

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055069.D
 Acq On : 16 Apr 2019 11:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:22:59 AM

Quant Time: Apr 17 02:09:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	442090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	687994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	268743	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	7.59	113	221525	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	10.09	98	810994	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	276253	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	237214	47.214	ug/l	99
3) Chloromethane	2.06	50	293750	44.827	ug/l	99
4) Vinyl Chloride	2.19	62	246454	44.745	ug/l	99
5) Bromomethane	2.56	94	136626	43.847	ug/l	98
6) Chloroethane	2.71	64	137136	46.169	ug/l	98
7) Trichlorofluoromethane	3.02	101	320351	46.506	ug/l	99
8) Diethyl Ether	3.41	74	97555	44.367	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	170521	47.303	ug/l	99
10) Methyl Iodide	3.94	142	300913	53.791	ug/l	95
11) Tert butyl alcohol	4.81	59	74179	230.291	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	157482	44.881	ug/l	97
13) Acrolein	3.61	56	94812	238.134	ug/l	96
14) Allyl chloride	4.32	41	407756	47.474	ug/l	99
15) Acrylonitrile	4.99	53	432629	224.487	ug/l	99
16) Acetone	3.82	43	377231	236.511	ug/l	98
17) Carbon Disulfide	4.04	76	524775	46.330	ug/l	100
18) Methyl Acetate	4.33	43	205600	44.679	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	585403	46.638	ug/l	99
20) Methylene Chloride	4.54	84	245386	43.765	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	220651	46.494	ug/l	99
22) Diisopropyl ether	5.96	45	851996	48.254	ug/l	99
23) Vinyl Acetate	5.90	43	2949631	252.738	ug/l	99
24) 1,1-Dichloroethane	5.85	63	440641	46.864	ug/l	100
25) 2-Butanone	6.84	43	571510	240.081	ug/l	98
26) 2,2-Dichloropropane	6.82	77	315479	53.161	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	253263	47.171	ug/l	99
28) Bromochloromethane	7.19	49	205741	45.393	ug/l	99
29) Tetrahydrofuran	7.22	42	344762	220.853	ug/l	99
30) Chloroform	7.37	83	421116	46.109	ug/l	100
31) Cyclohexane	7.65	56	411486	49.488	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	344119	47.557	ug/l	100
36) 1,1-Dichloropropene	7.79	75	318124	49.051	ug/l	99
37) Ethyl Acetate	6.94	43	236519	44.795	ug/l	98
38) Carbon Tetrachloride	7.77	117	295728	47.926	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	360381	51.278	ug/l	96
40) Benzene	8.04	78	947922	48.495	ug/l	98
41) Methacrylonitrile	7.17	41	140103	47.801	ug/l	94
42) 1,2-Dichloroethane	8.12	62	323497	47.667	ug/l	99
43) Isopropyl Acetate	8.17	43	398241	48.949	ug/l	99
44) Trichloroethene	8.83	130	247227	50.496	ug/l	97
45) 1,2-Dichloropropane	9.12	63	269448	49.428	ug/l	100
46) Dibromomethane	9.21	93	149386	48.145	ug/l	98
47) Bromodichloromethane	9.40	83	318551	49.795	ug/l	99
48) Methyl methacrylate	9.20	41	200229	49.653	ug/l	99
49) 1,4-Dioxane	9.20	88	40056	1060.229	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1136355	241.763	ug/l	98
52) Toluene	10.15	92	565288	50.493	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	305894	54.716	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	379341	54.670	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	209329	48.531	ug/l	99
56) Ethyl methacrylate	10.43	69	269785	52.118	ug/l	99
57) 1,3-Dichloropropane	10.71	76	360280	49.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	473669	210.121	ug/l	99
59) 2-Hexanone	10.75	43	723263	244.990	ug/l	100
60) Dibromochloromethane	10.90	129	217386	51.613	ug/l	98
61) 1,2-Dibromoethane	11.00	107	198107	49.901	ug/l	98
64) Tetrachloroethene	10.63	164	229058	47.681	ug/l	99
65) Chlorobenzene	11.43	112	585086	49.201	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	222640	50.904	ug/l	99
67) Ethyl Benzene	11.51	91	1081786	50.940	ug/l	100
68) m/p-Xylenes	11.62	106	787559	102.412	ug/l	99
69) o-Xylene	11.95	106	385430	51.748	ug/l	99
70) Styrene	11.96	104	642947	53.328	ug/l	99
71) Bromoform	12.13	173	134446	53.629	ug/l #	99
73) Isopropylbenzene	12.25	105	1025044	45.648	ug/l	99
74) N-amyl acetate	12.07	43	311099	49.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	251343	41.831	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	198654m	43.655	ug/l	
77) Bromobenzene	12.52	156	249767	44.616	ug/l	99
78) n-propylbenzene	12.59	91	1154786	47.598	ug/l	100
79) 2-Chlorotoluene	12.67	91	692578	45.768	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	851249	46.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58171	51.119	ug/l	92
82) 4-Chlorotoluene	12.77	91	684989	48.518	ug/l	99
83) tert-Butylbenzene	12.99	119	716870	46.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	833664	48.544	ug/l	100
85) sec-Butylbenzene	13.17	105	933772	47.884	ug/l	98
86) p-Isopropyltoluene	13.29	119	830690	49.652	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	422885	49.698	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	405018	49.914	ug/l	99
89) n-Butylbenzene	13.61	91	696228	56.058	ug/l	100
90) Hexachloroethane	13.87	117	133590	49.074	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	408967	47.769	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33936	45.865	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	201401	51.794	ug/l	99
94) Hexachlorobutadiene	15.01	225	140535	53.146	ug/l	99
95) Naphthalene	15.13	128	406340	45.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	199237	60.324	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

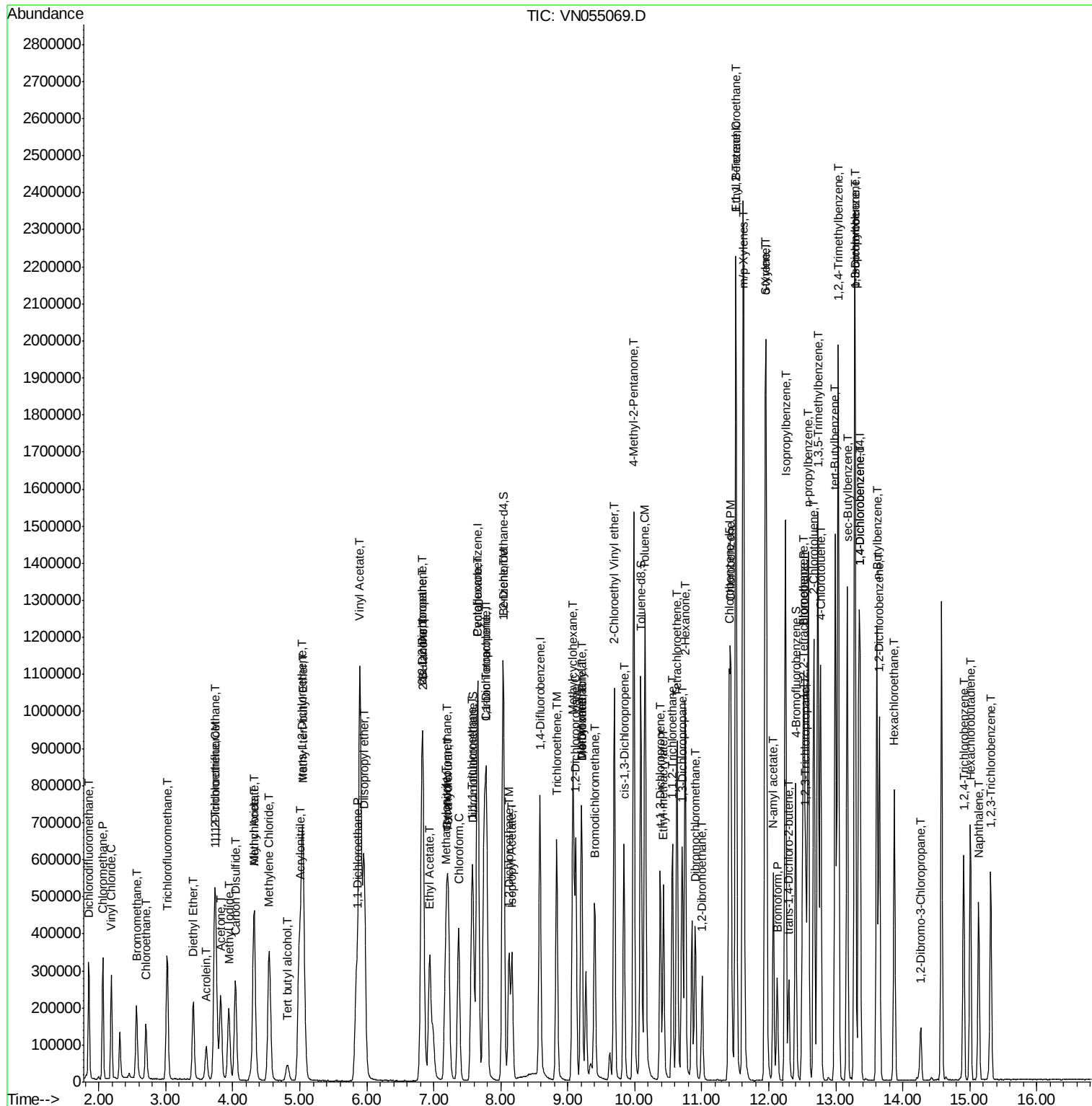
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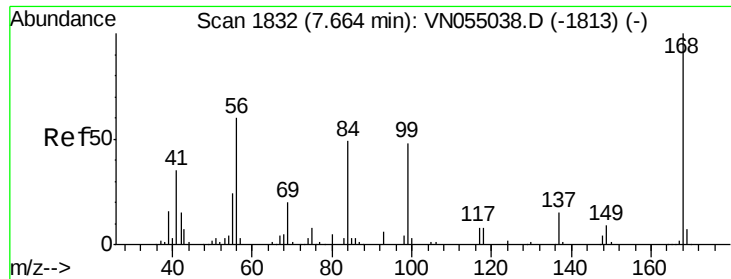
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 442090

Ion Ratio Lower Upper

168 100

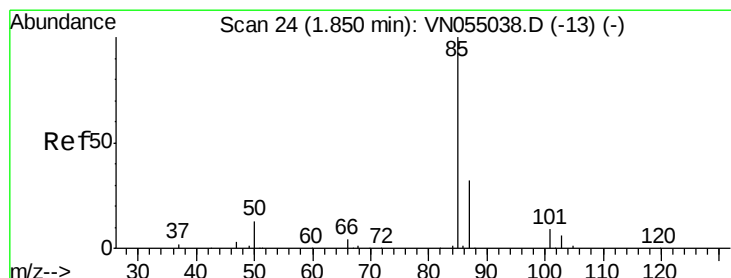
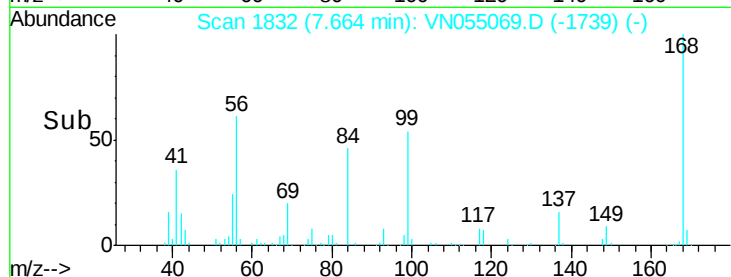
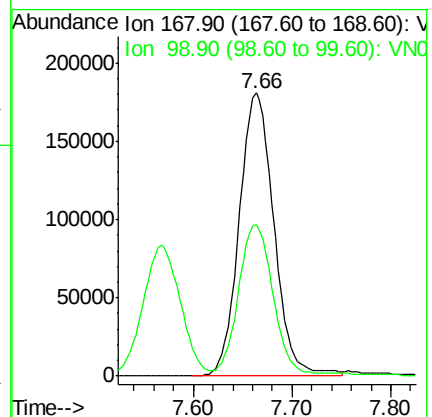
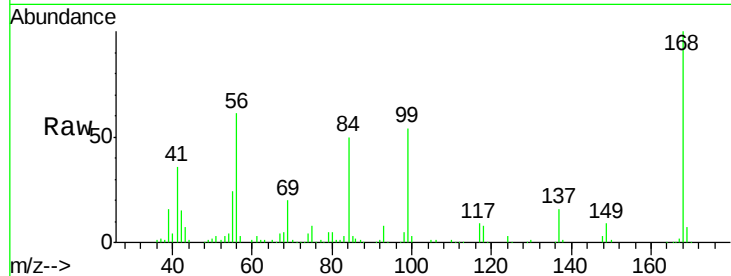
99 52.7 41.9 62.9

Manual Integrations

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4/17/2019 4:22:59 AM



#2

Dichlorodifluoromethane

Concen: 47.214 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055069.D

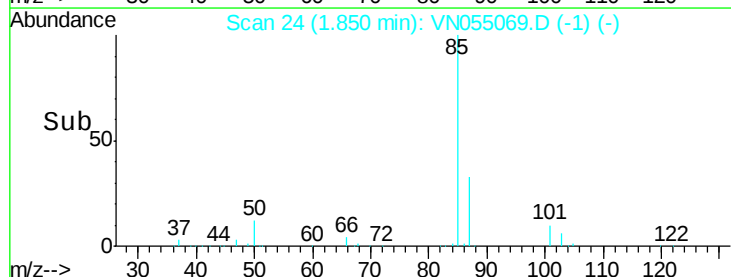
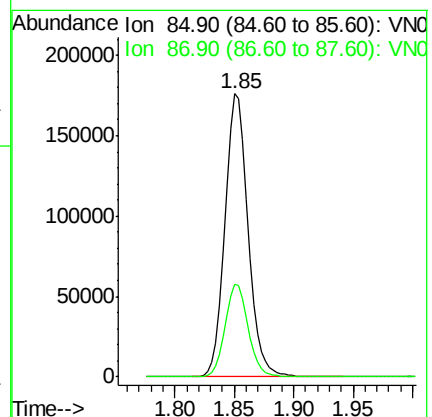
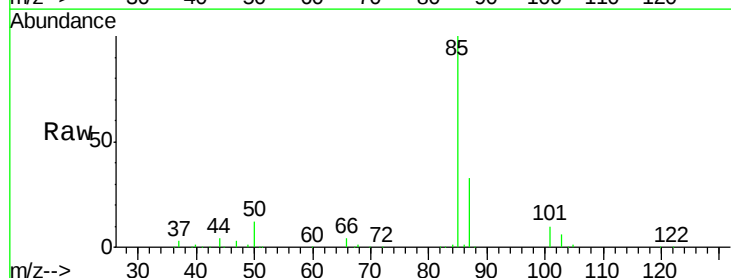
Acq: 16 Apr 2019 11:04

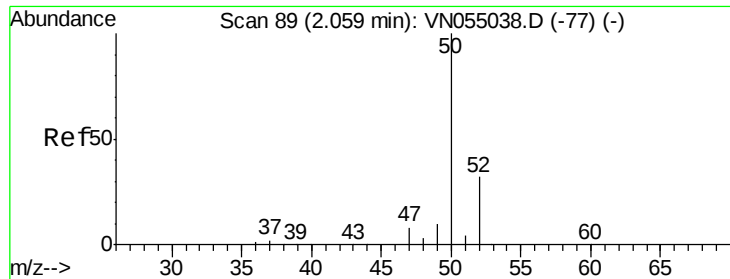
Tgt Ion: 85 Resp: 237214

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3





#3

Chloromethane

Concen: 44.827 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 293750

Ion Ratio Lower Upper

50 100

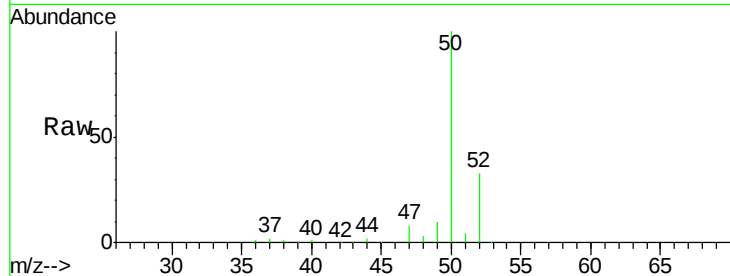
52 33.0 26.6 40.0

Manual Integrations

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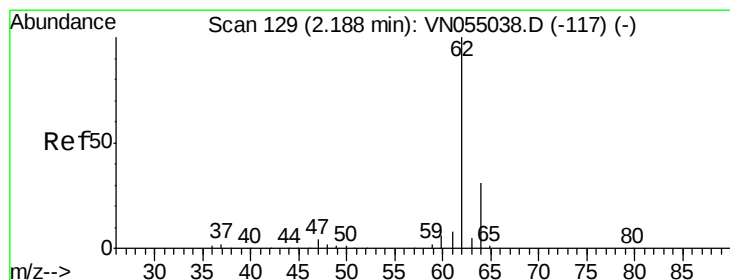
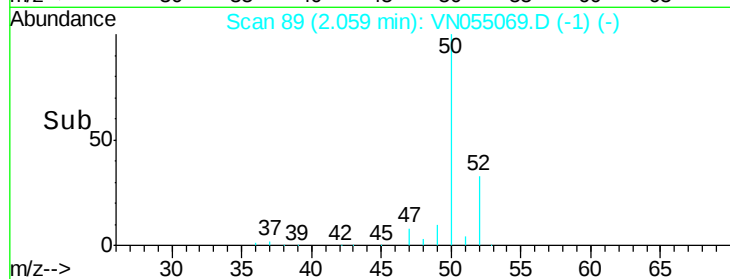
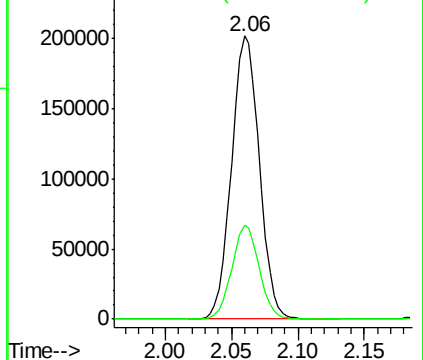
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.745 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055069.D

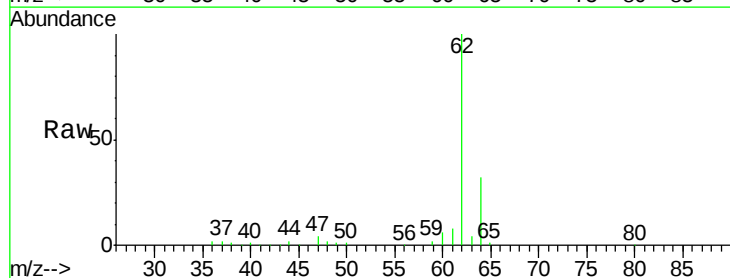
Acq: 16 Apr 2019 11:04

Tgt Ion: 62 Resp: 246454

Ion Ratio Lower Upper

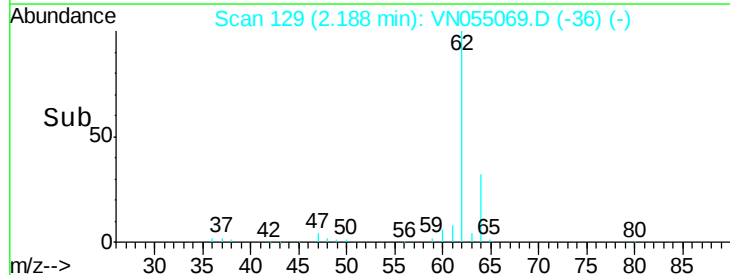
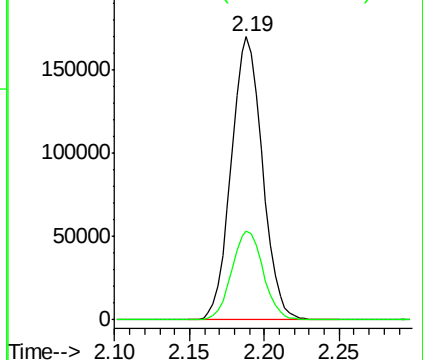
62 100

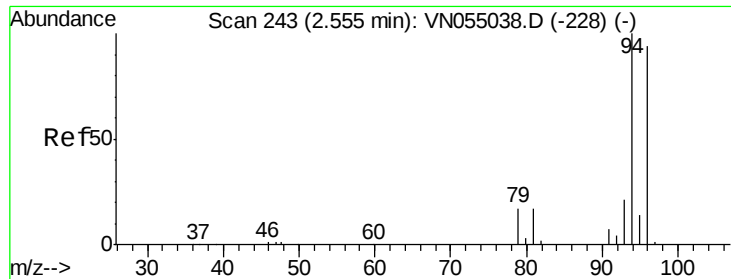
64 31.6 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 43.847 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

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Acq: 16 Apr 2019 11:04

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VSTDCCC050

Tot Ion: 94 Resp: 136626

Ion Ratio Lower Upper

94 100

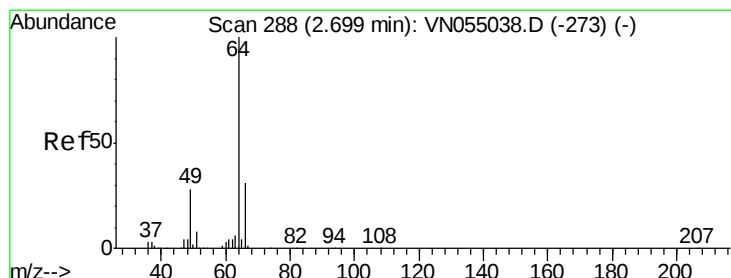
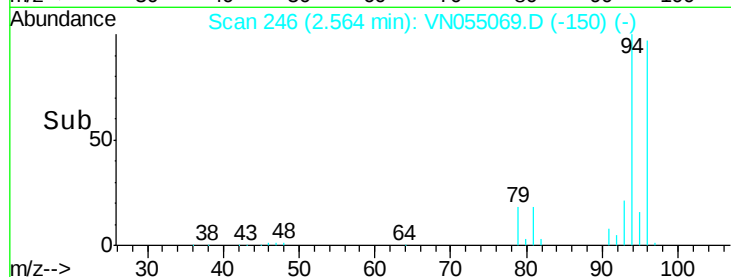
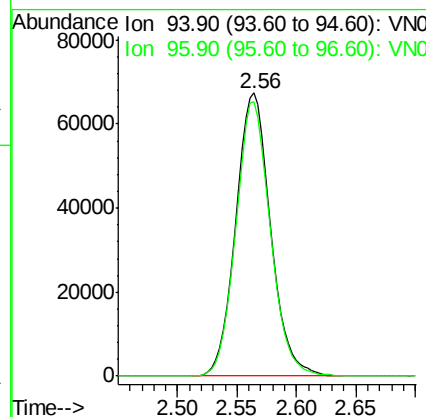
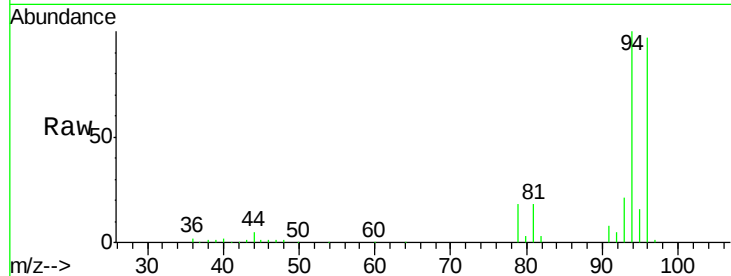
96 97.0 76.2 114.4

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#6

Chloroethane

Concen: 46.169 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

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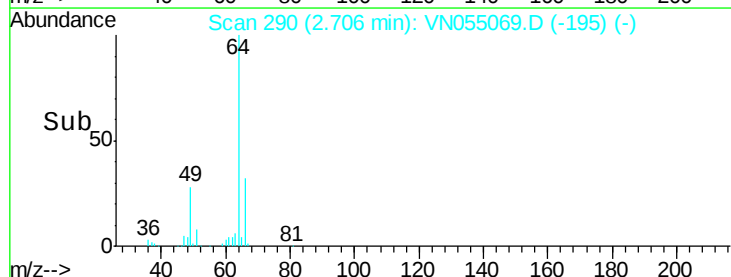
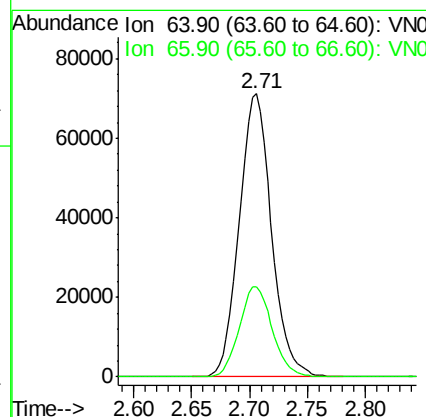
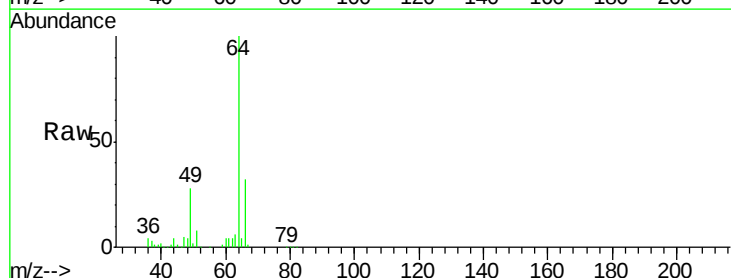
Acq: 16 Apr 2019 11:04

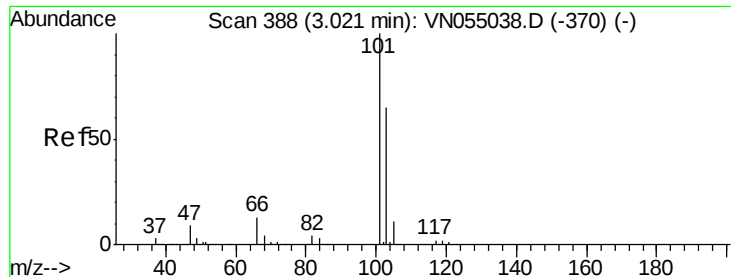
Tgt Ion: 64 Resp: 137136

Ion Ratio Lower Upper

64 100

66 31.9 26.6 40.0





#7

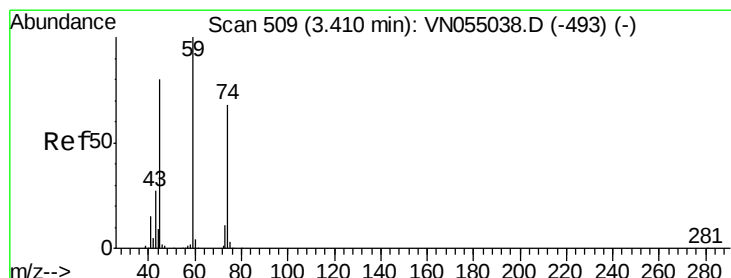
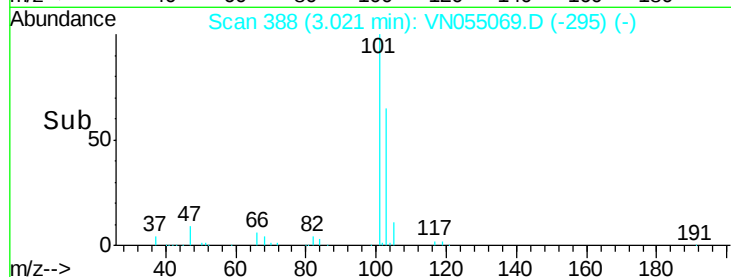
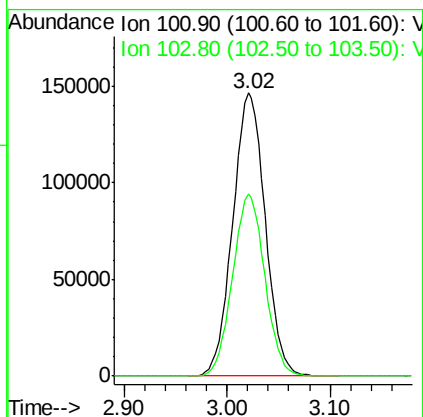
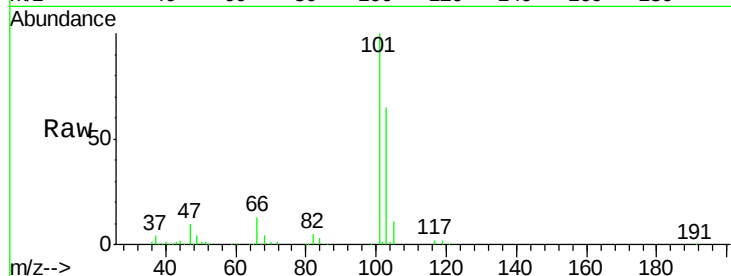
Trichlorofluoromethane
 Concen: 46.506 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.5	78.7

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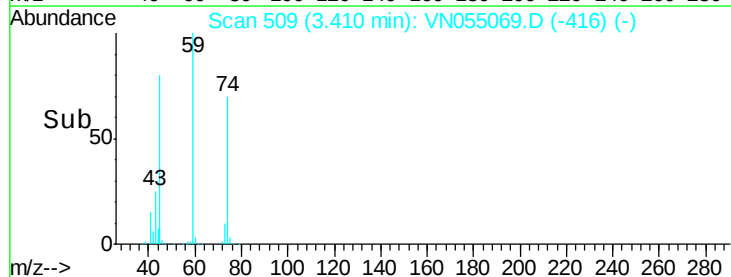
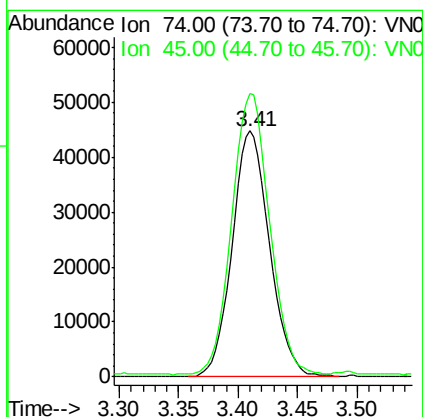
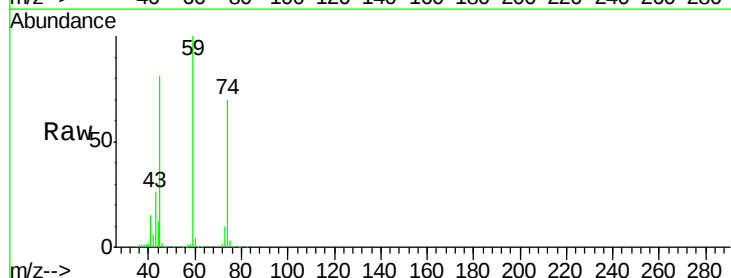
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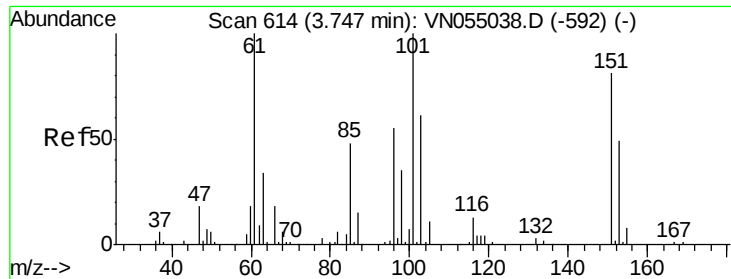


#8

Diethyl Ether
 Concen: 44.367 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.6	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.303 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

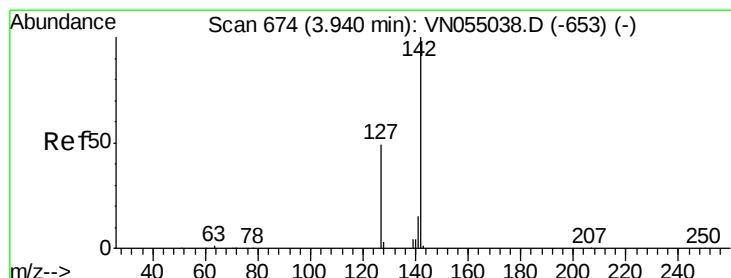
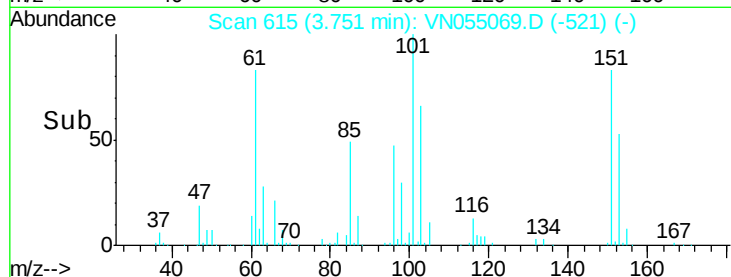
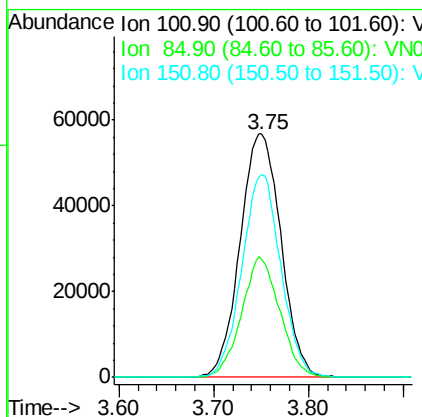
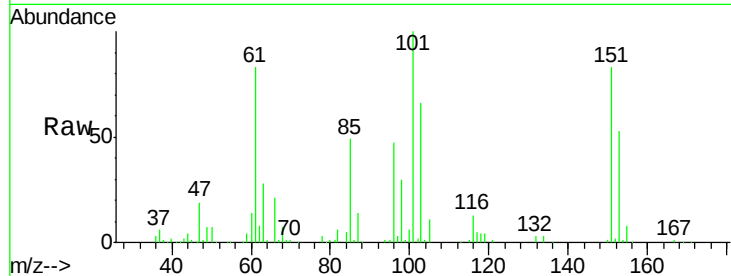
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	170521
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.9	55.3
151	79.4	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 53.791 ug/l

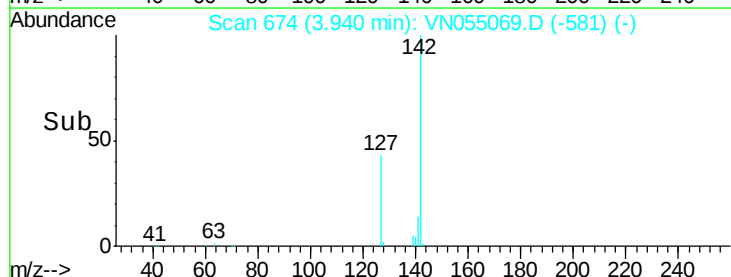
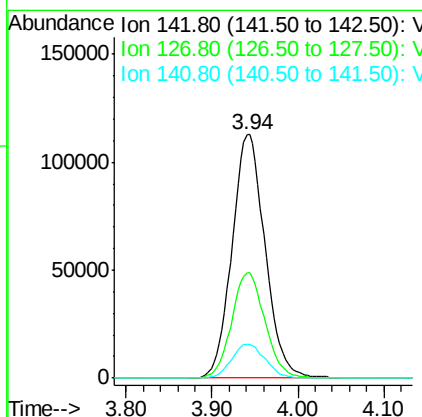
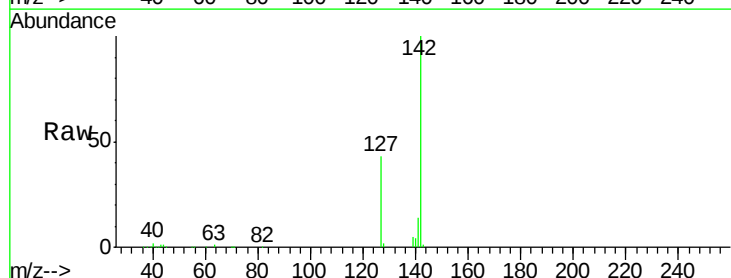
RT: 3.94 min Scan# 674

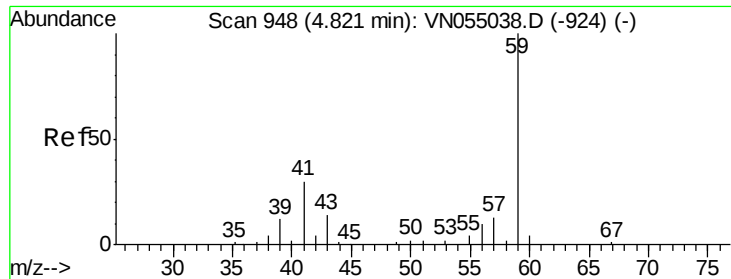
Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion:	142	Resp:	300913
Ion Ratio	Lower	Upper	
142	100		
127	43.7	37.9	56.9
141	14.2	11.8	17.8





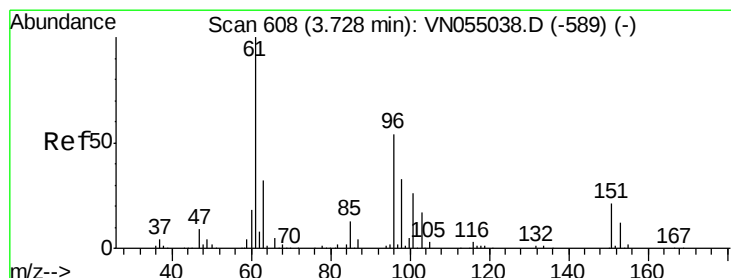
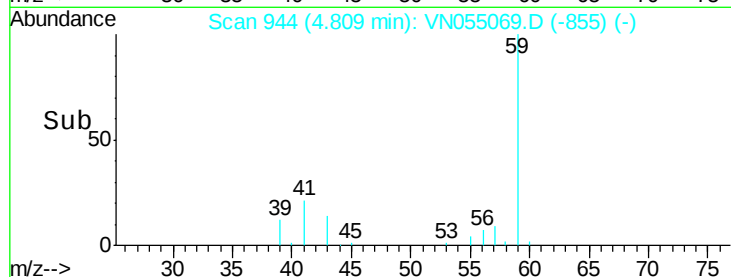
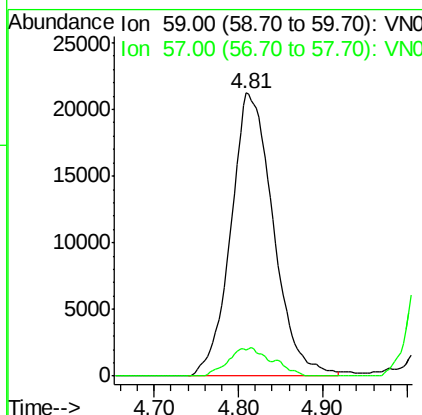
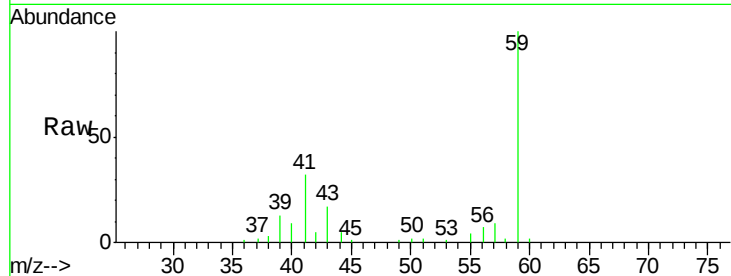
#11
Tert butyl alcohol
Concen: 230.291 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 74179
Ion Ratio Lower Upper
59 100
57 8.3 8.3 12.5#

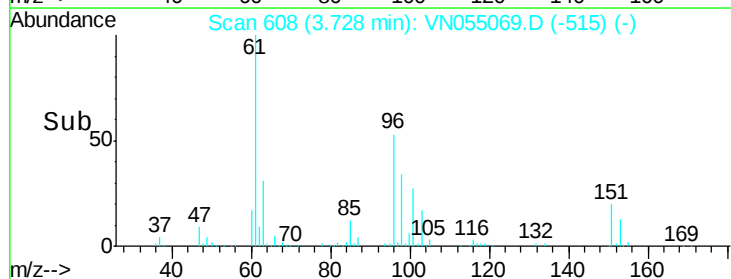
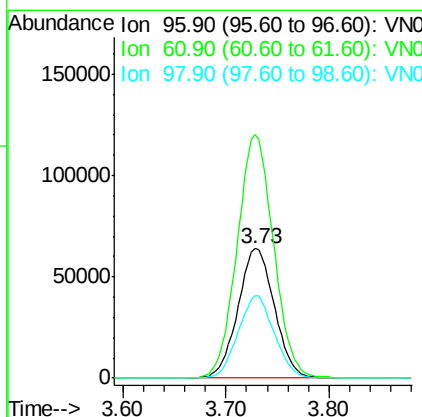
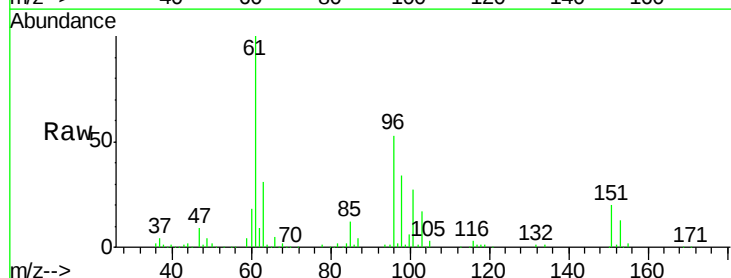
Manual Integrations
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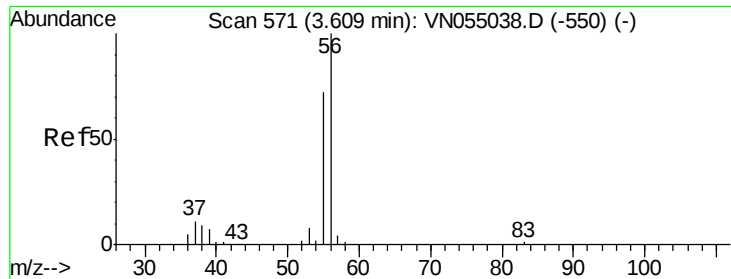
MMDadoda
4/17/2019 4:22:59 AM



#12
1,1-Dichloroethene
Concen: 44.881 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion: 96 Resp: 157482
Ion Ratio Lower Upper
96 100
61 187.8 154.2 231.4
98 63.4 52.9 79.3





#13

Acrolein

Concen: 238.134 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 94812

Ion Ratio Lower Upper

56 100

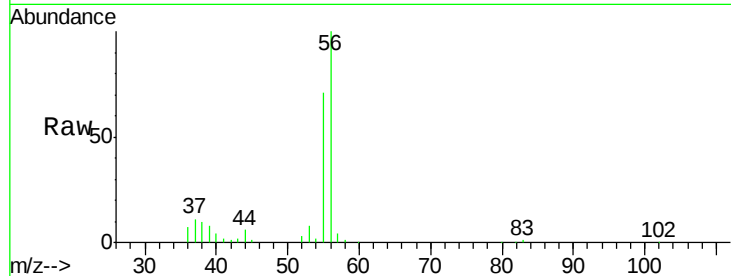
55 71.2 59.5 89.3

Manual Integrations

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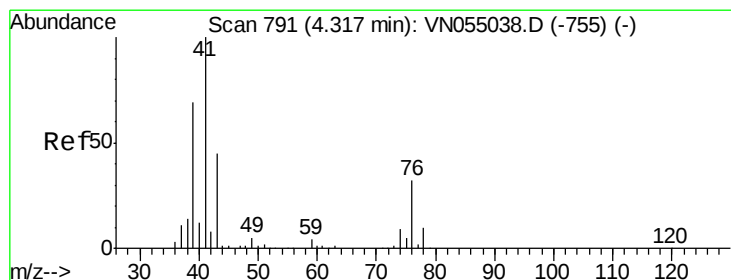
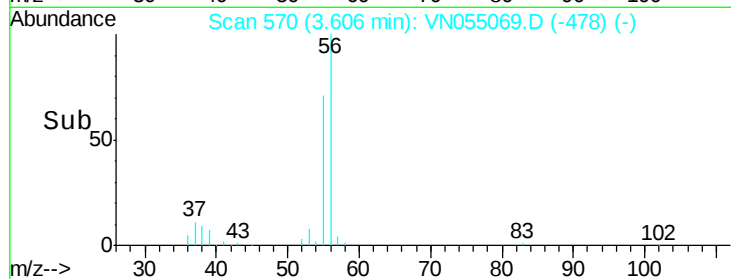
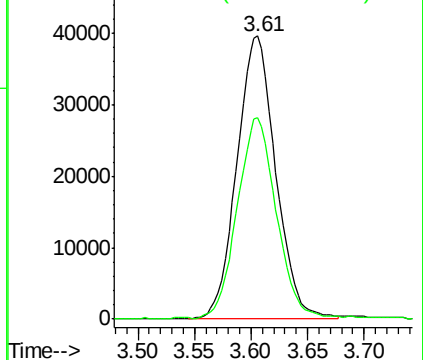
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055038.D (-550) (-)



#14

Allyl chloride

Concen: 47.474 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

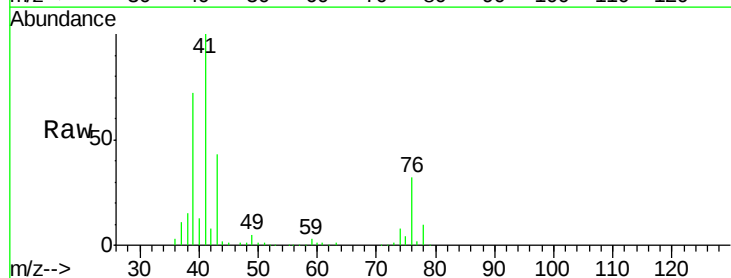
Tgt Ion: 41 Resp: 407756

Ion Ratio Lower Upper

41 100

39 66.7 52.7 79.1

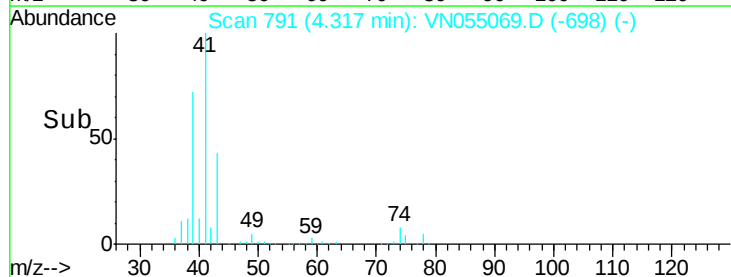
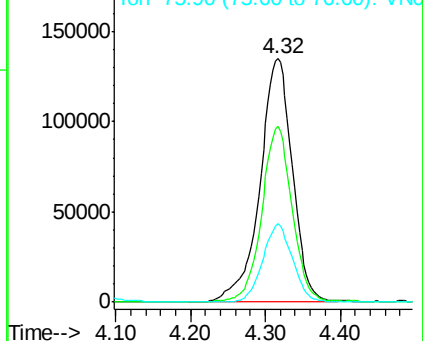
76 29.4 23.2 34.8

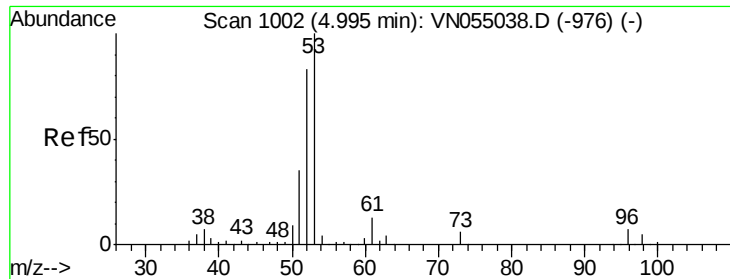


Abundance Ion 41.00 (40.70 to 41.70): VN055038.D (-755) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-755) (-)

Ion 75.90 (75.60 to 76.60): VN055038.D (-755) (-)





#15

Acrylonitrile

Concen: 224.487 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

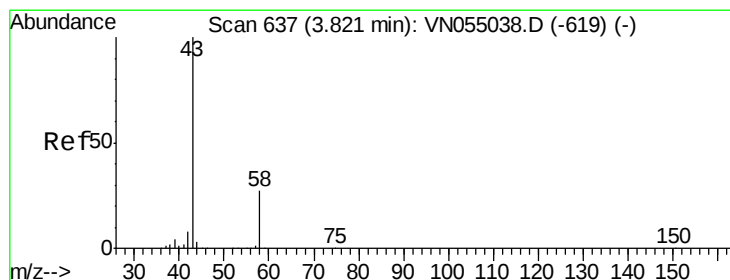
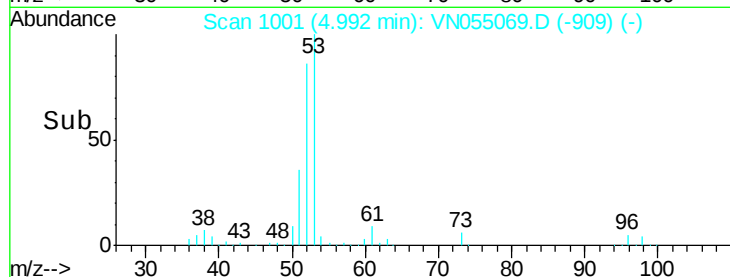
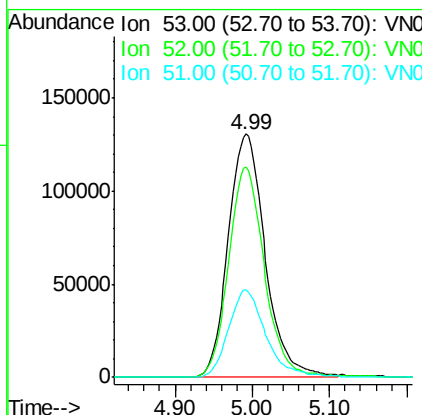
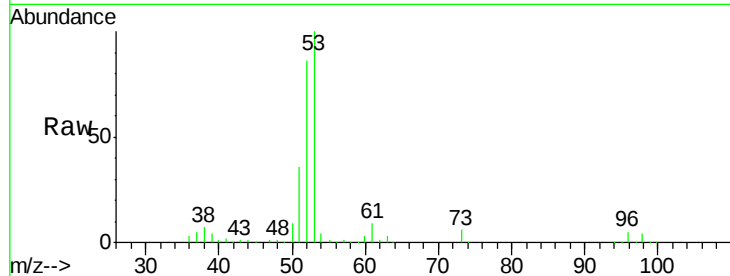
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	432629
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.9	98.9
51	35.8	29.7	44.5

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#16

Acetone

Concen: 236.511 ug/l

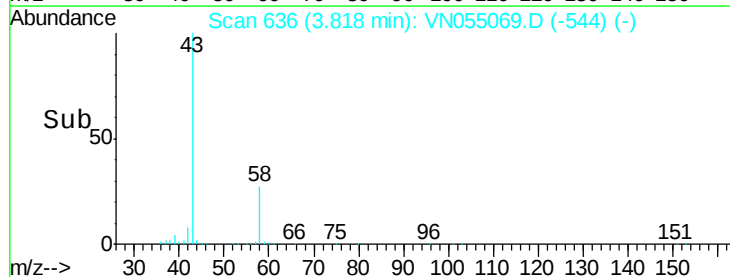
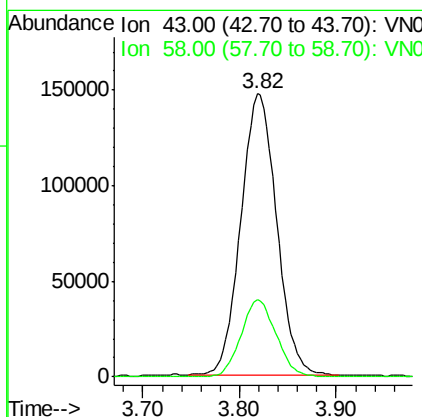
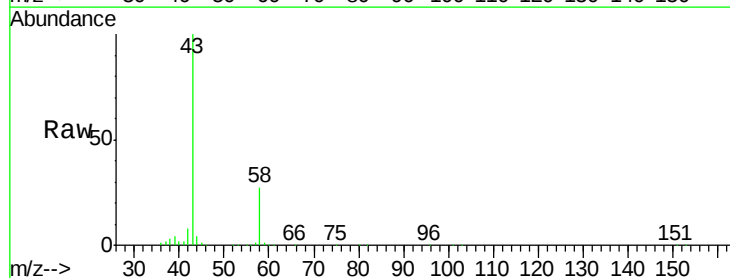
RT: 3.82 min Scan# 636

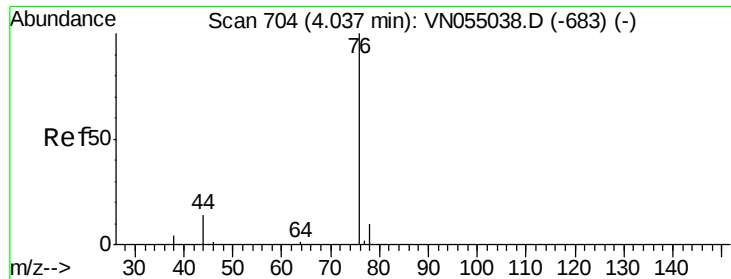
Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion:	43	Resp:	377231
Ion	Ratio	Lower	Upper
43	100		
58	27.2	20.9	31.3





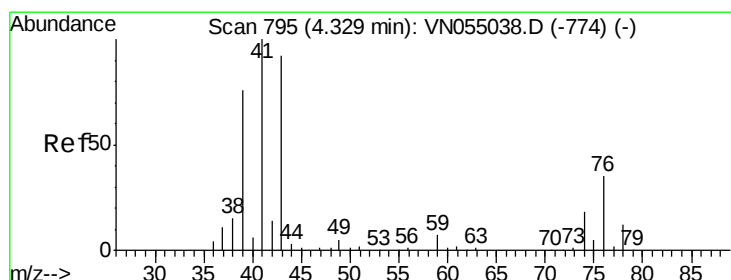
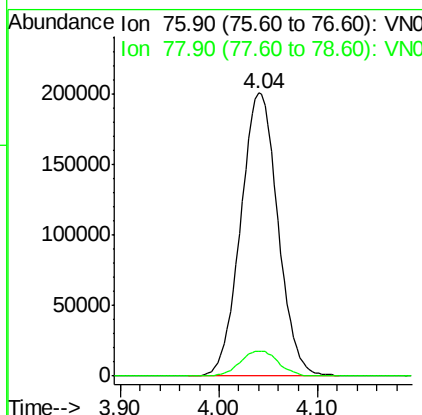
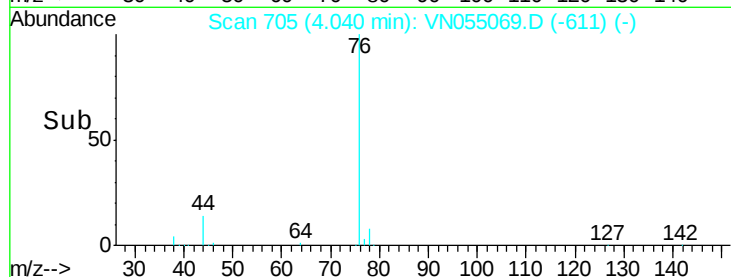
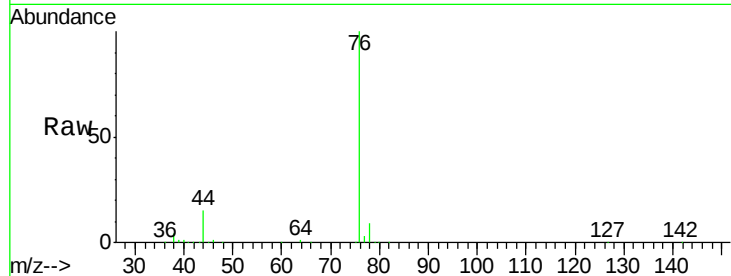
#17
Carbon Disulfide
Concen: 46.330 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

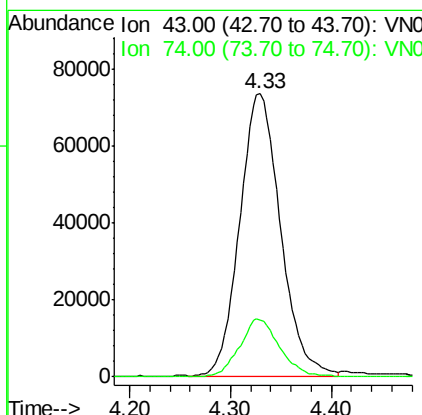
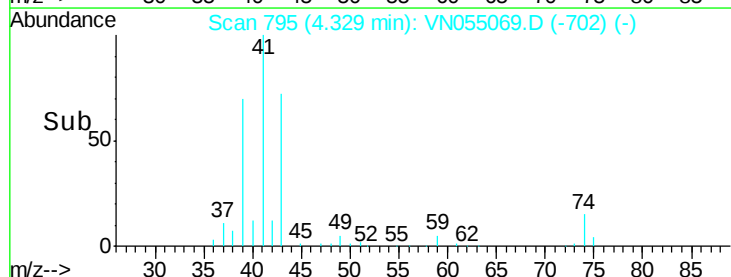
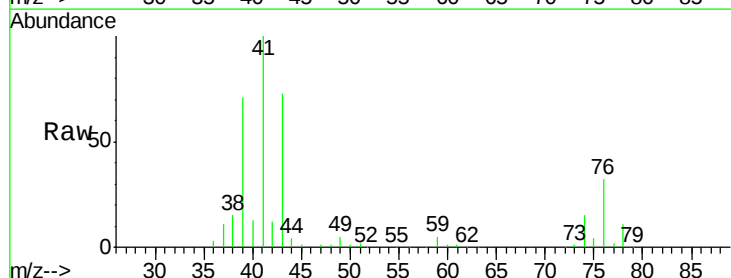
Manual Integrations
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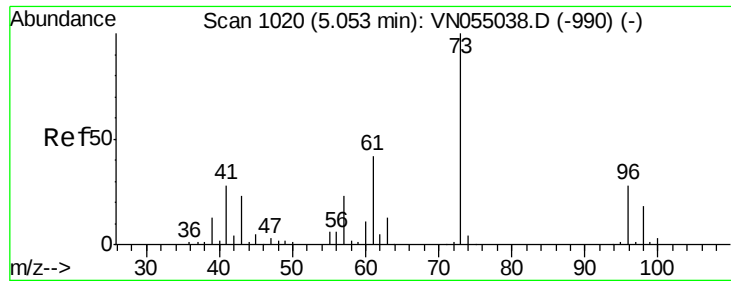
MMDadoda
4/17/2019 4:22:59 AM



#18
Methyl Acetate
Concen: 44.679 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.1	24.1





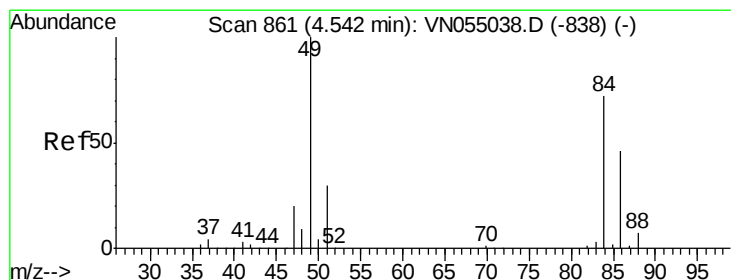
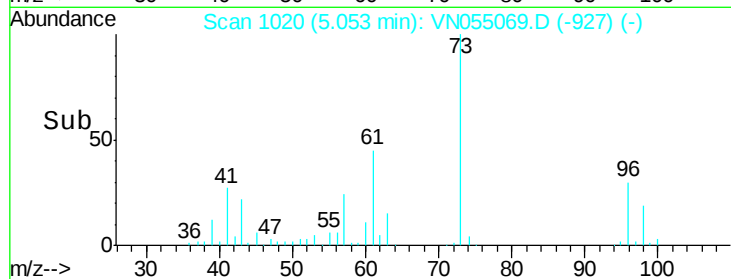
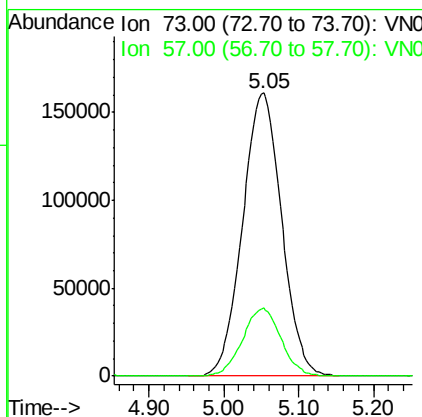
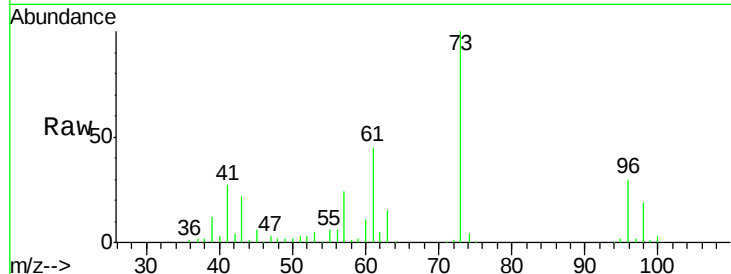
#19
Methvl tert-butvl Ether
Concen: 46.638 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 585403
Ion Ratio Lower Upper
73 100
57 24.0 19.0 28.4

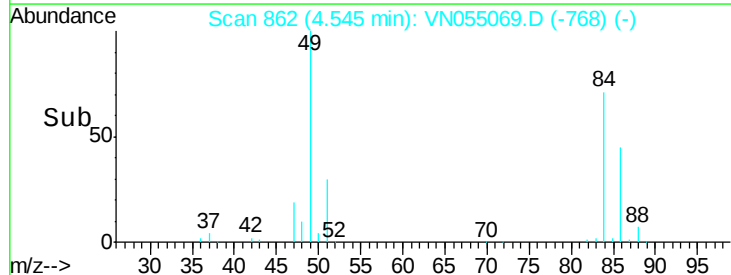
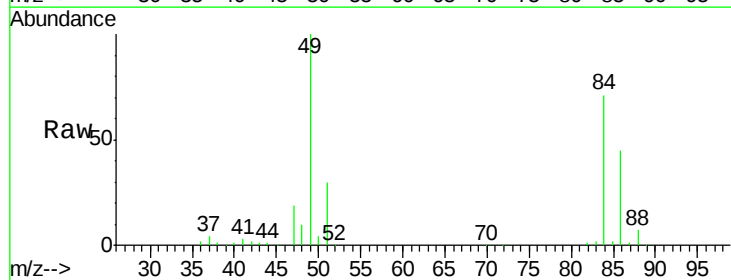
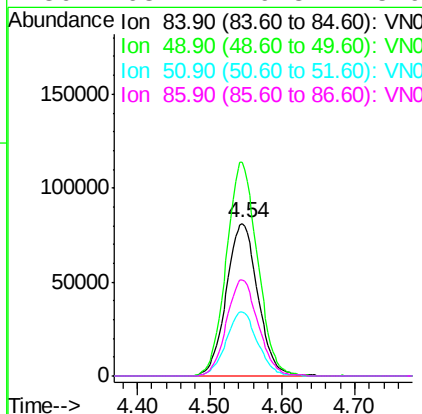
Manual Integrations
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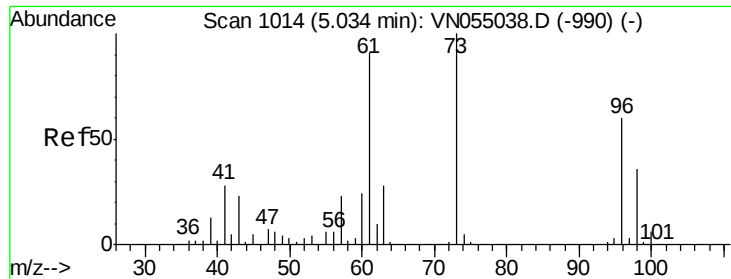
MMDadoda
4/17/2019 4:22:59 AM



#20
Methylene Chloride
Concen: 43.765 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion: 84 Resp: 245386
Ion Ratio Lower Upper
84 100
49 140.0 109.4 164.2
51 42.0 32.2 48.4
86 63.4 49.3 73.9





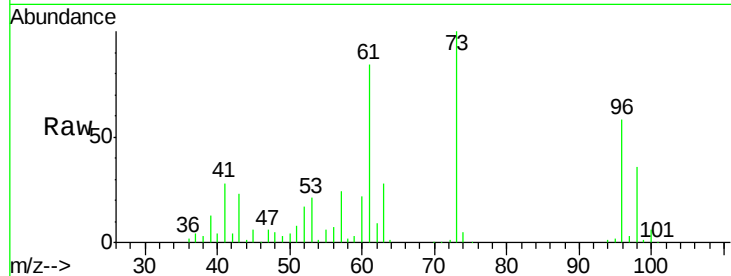
#21
trans-1,2-Dichloroethene
Concen: 46.494 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

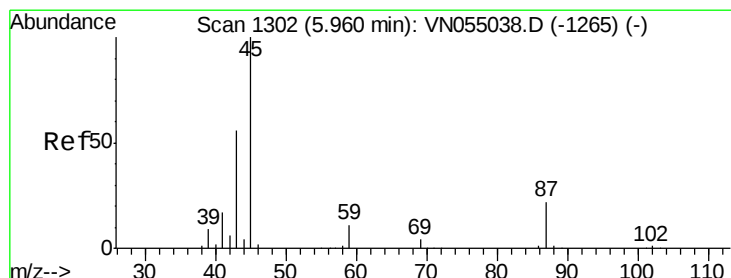
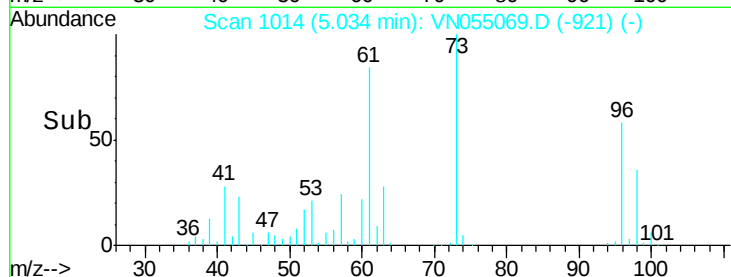
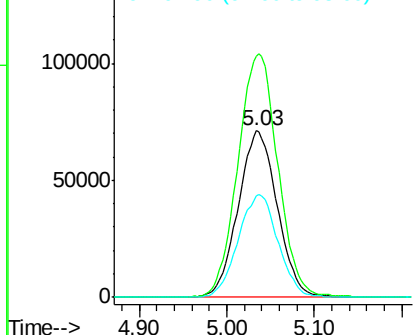
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	114.9	172.3
98	61.0	48.4	72.6

Manual Integrations
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4/17/2019 4:22:59 AM



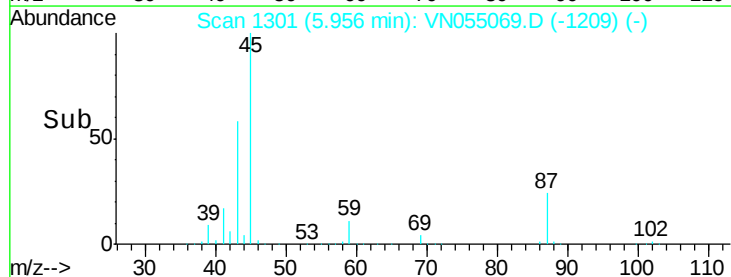
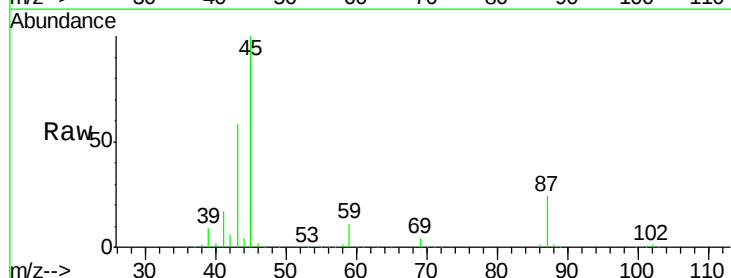
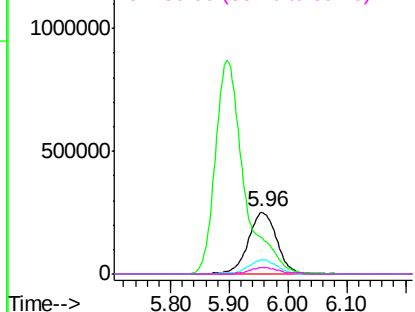
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

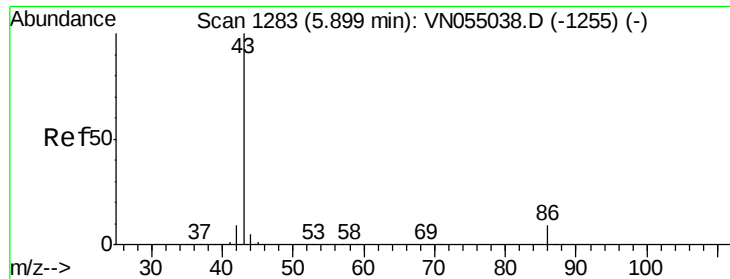


#22
Diisopropyl ether
Concen: 48.254 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	44.8	67.2
87	23.4	18.9	28.3
59	10.9	7.9	11.9

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 252.738 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2949631

Ion Ratio Lower Upper

43 100

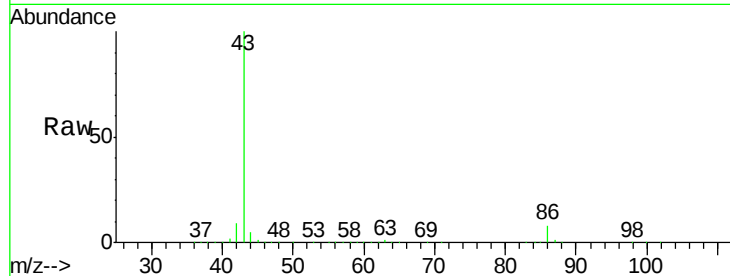
86 8.4 7.0 10.4

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1000000

800000

600000

400000

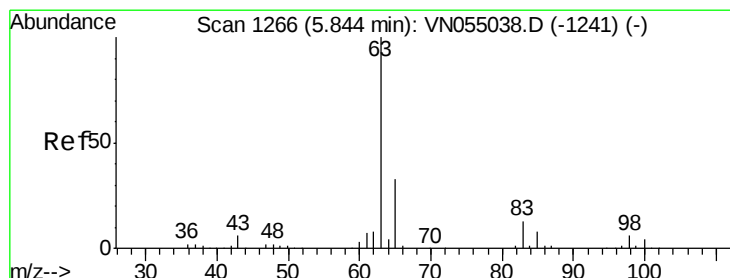
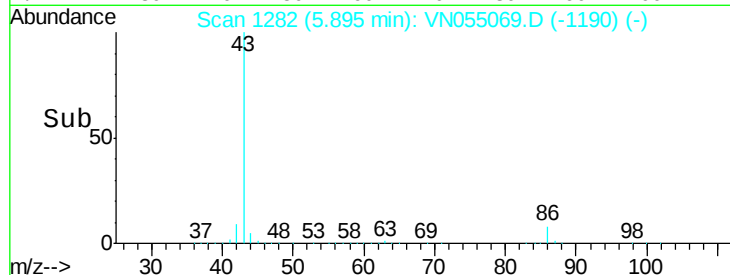
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 46.864 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

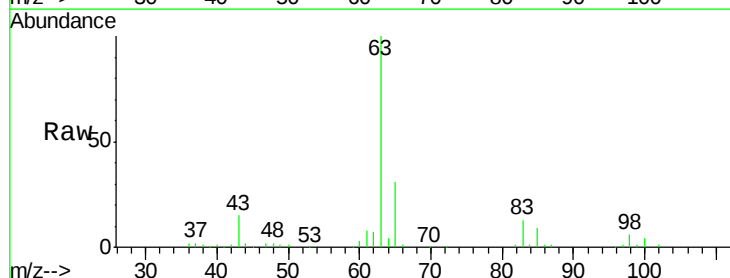
Tgt Ion: 63 Resp: 440641

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

100000

50000

0

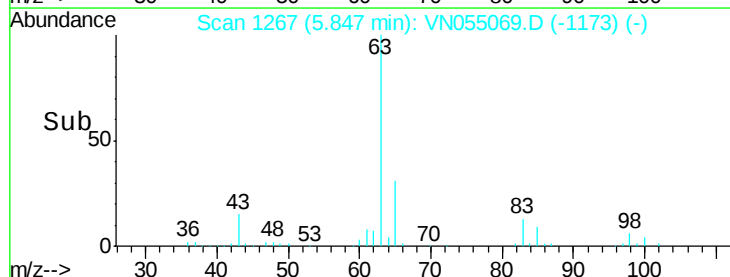
5.70

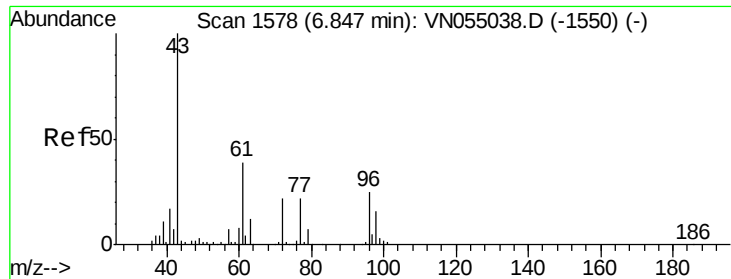
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 240.081 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 571510

Ion Ratio Lower Upper

43 100

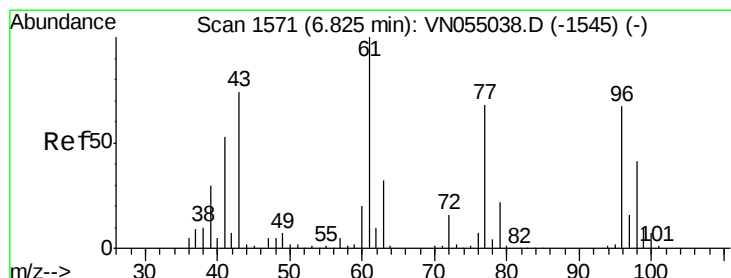
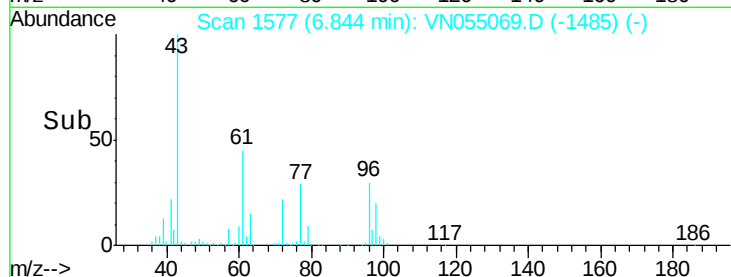
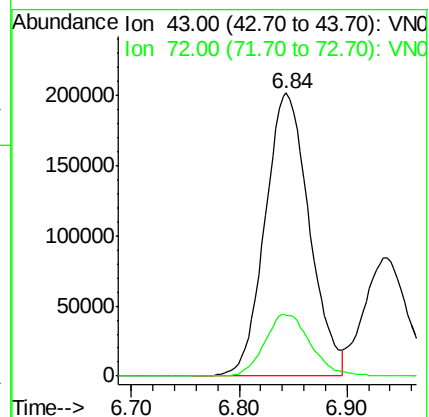
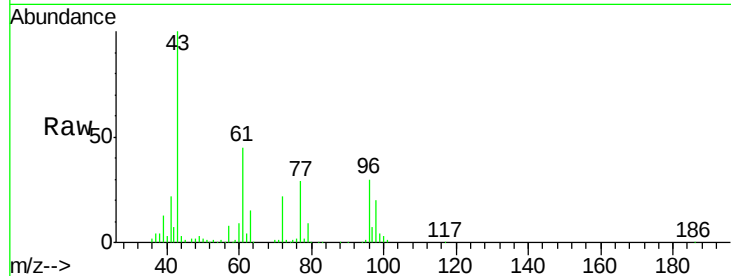
72 21.6 18.1 27.1

Manual Integrations

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4/17/2019 4:22:59 AM



#26

2,2-Dichloropropane

Concen: 53.161 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055069.D

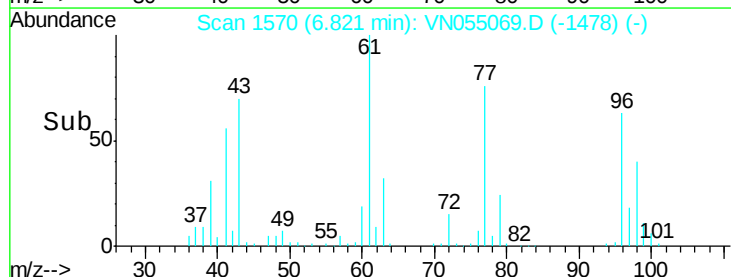
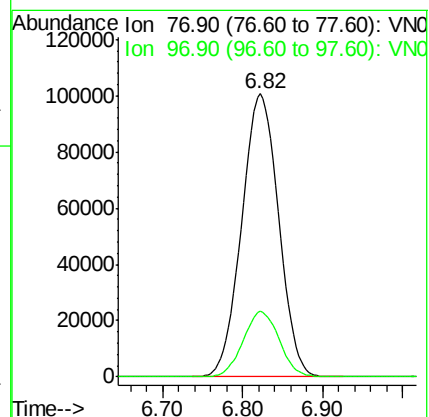
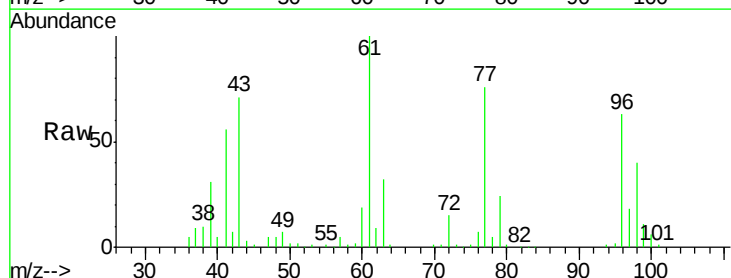
Acq: 16 Apr 2019 11:04

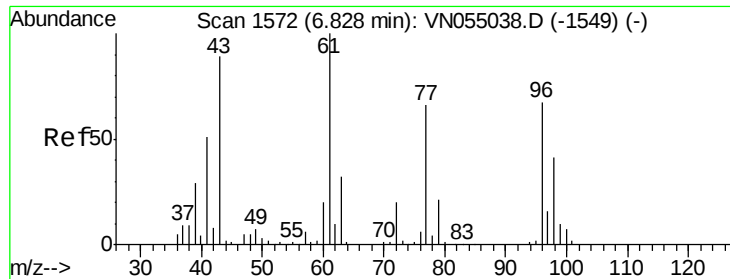
Tgt Ion: 77 Resp: 315479

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 47.171 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

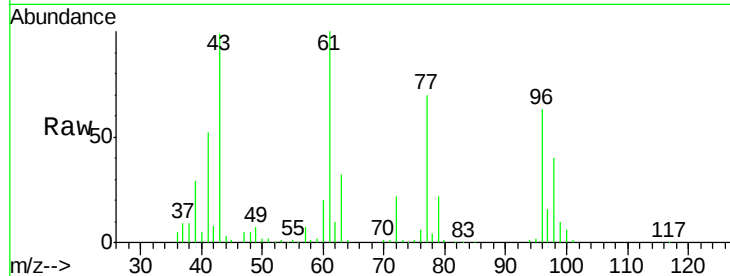
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	253263
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	311.0
98	63.4	0.0	127.4

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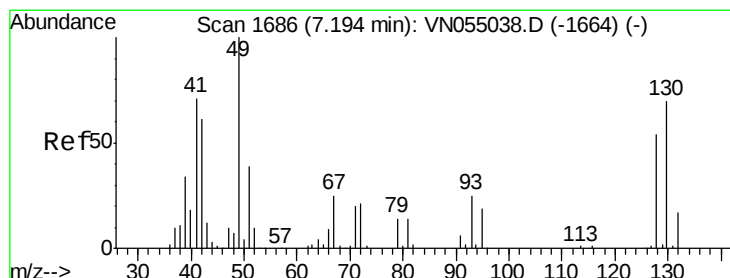
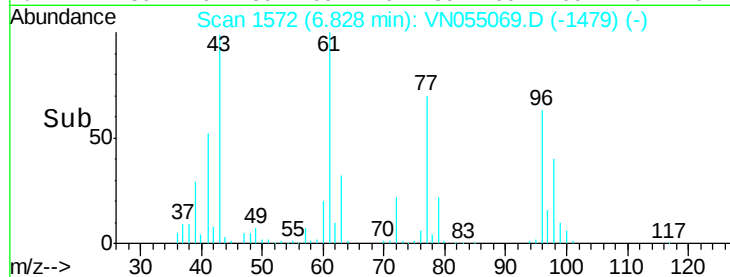
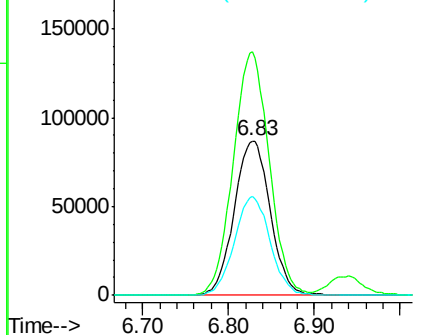
MMDadoda
4/17/2019 4:22:59 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055038.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055038.D (-1549) (-)



#28

Bromochloromethane

Concen: 45.393 ug/l

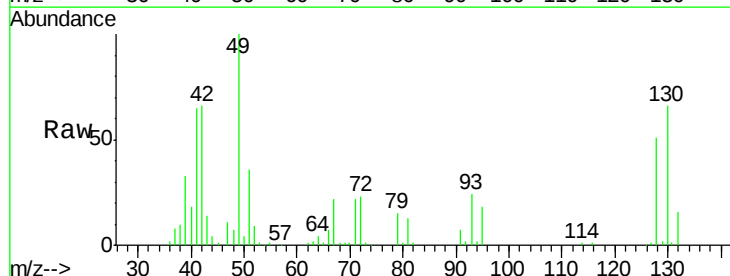
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

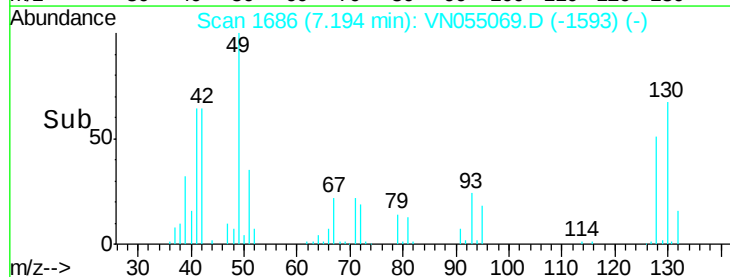
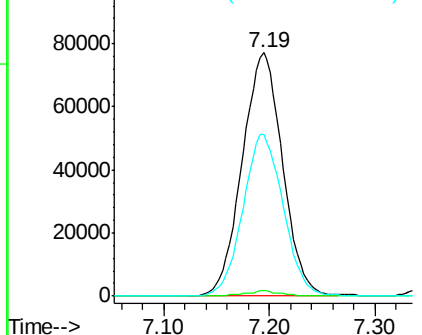
Tgt Ion:	49	Resp:	205741
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.0
130	66.4	53.4	80.2

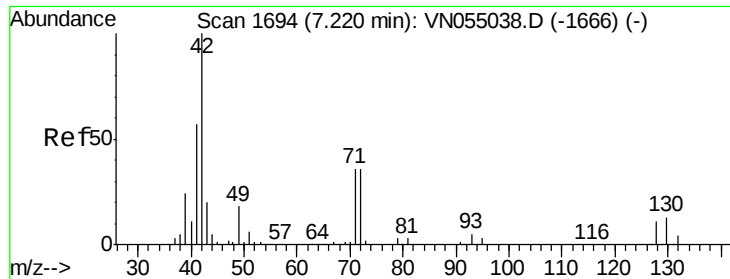


Abundance Ion 48.90 (48.60 to 49.60): VN055038.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055038.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055038.D (-1664) (-)





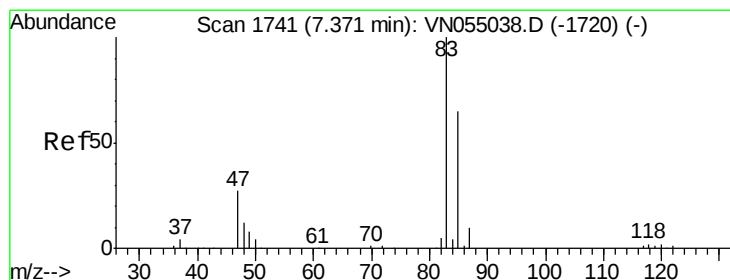
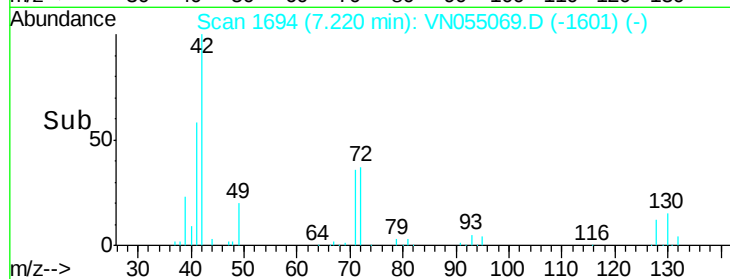
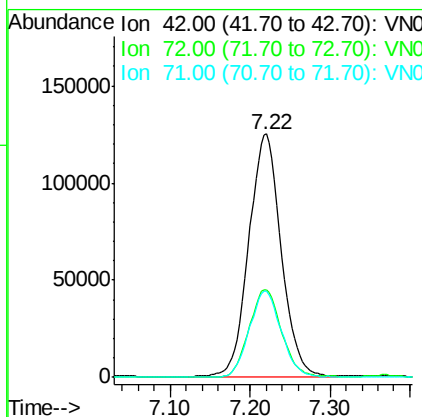
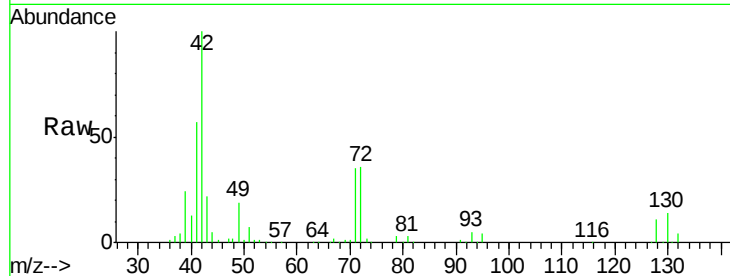
#29
Tetrahydrofuran
Concen: 220.853 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.0
71	35.1	27.8	41.6

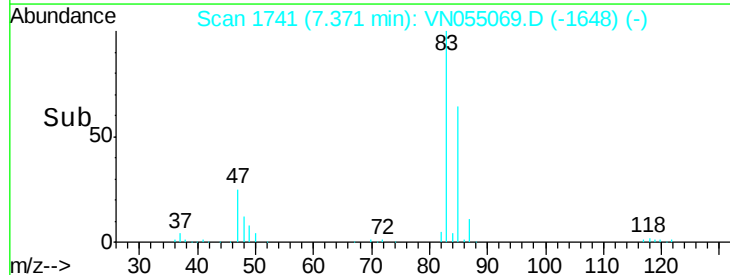
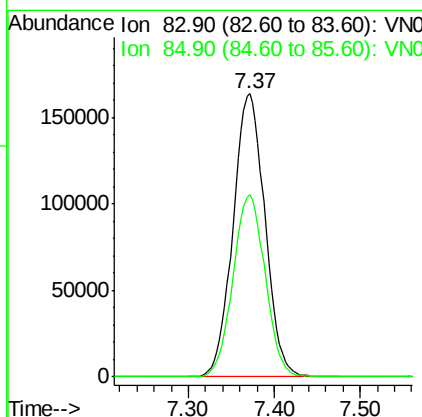
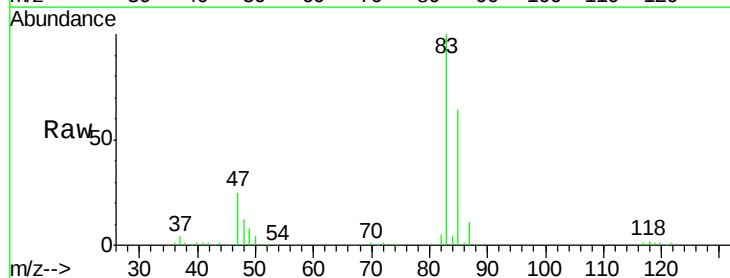
Manual Integrations
APPROVED

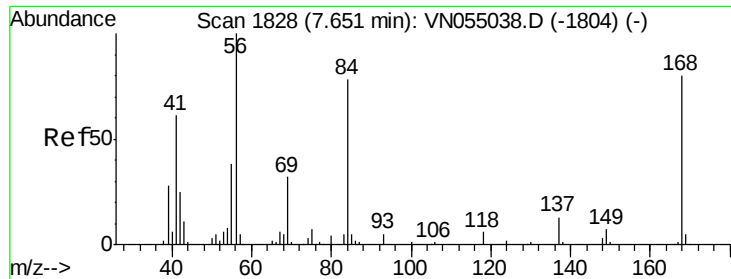
MMDadoda
4/17/2019 4:22:59 AM



#30
Chloroform
Concen: 46.109 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





#31

Cyclohexane

Concen: 49.488 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

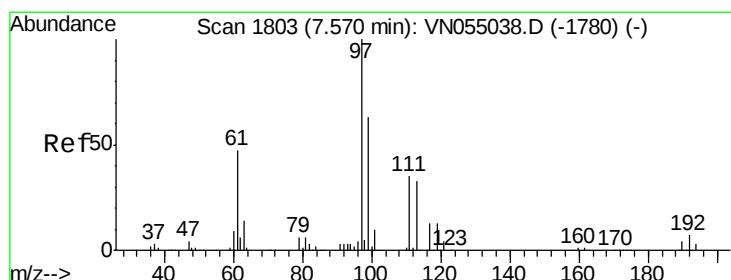
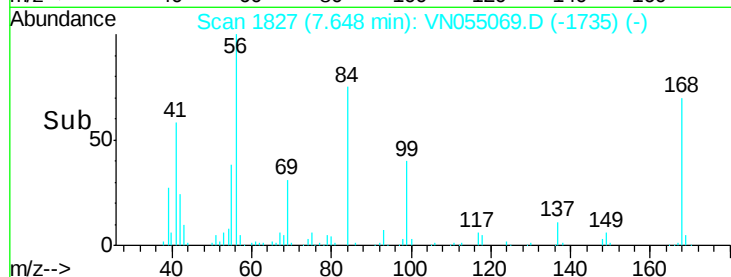
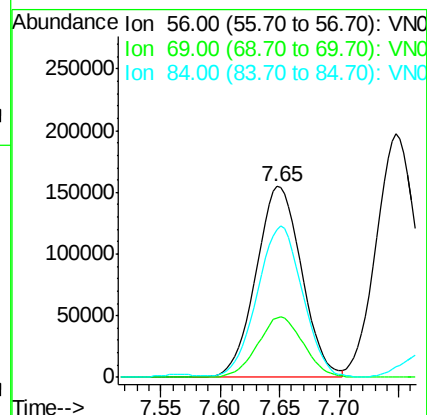
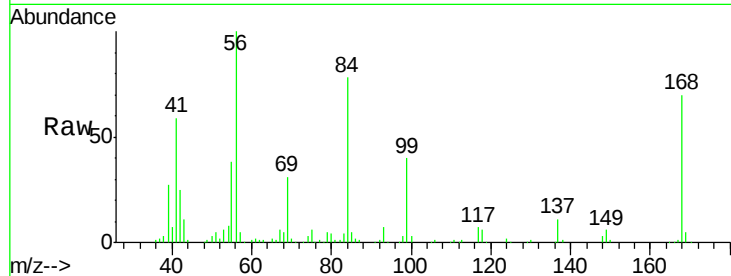
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	411486
Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.5	36.7
84	76.5	62.9	94.3

Manual Integrations
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MMDadoda
4/17/2019 4:22:59 AM



#32

1,1,1-Trichloroethane

Concen: 47.557 ug/l

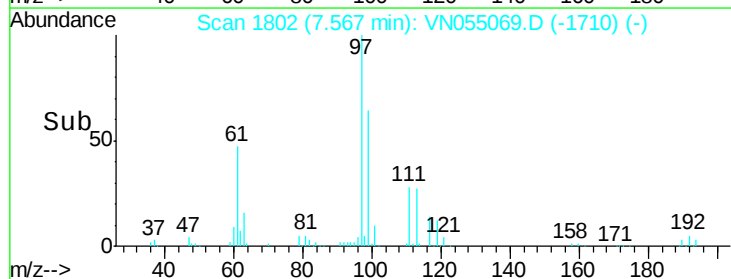
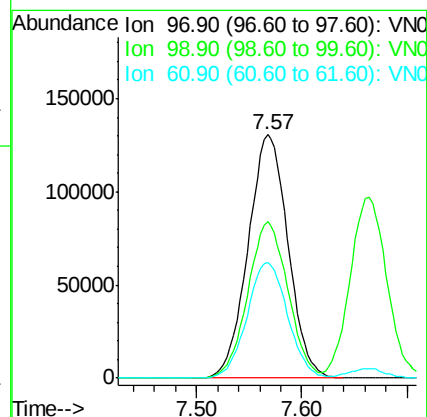
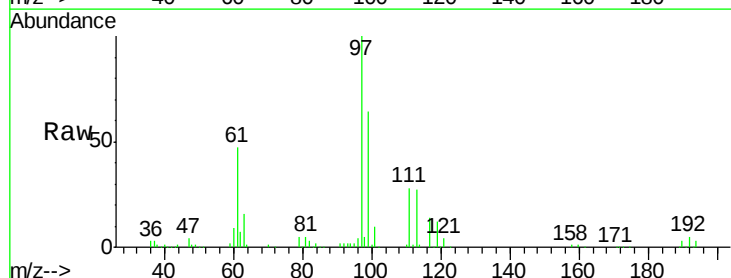
RT: 7.57 min Scan# 1802

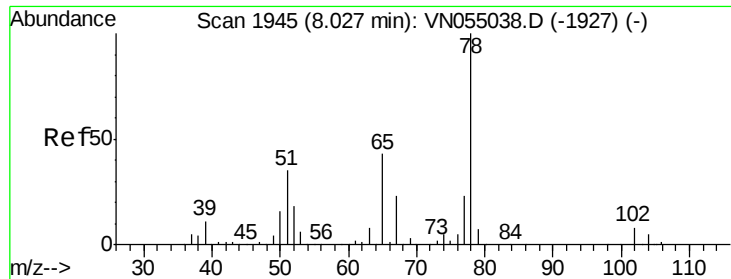
Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion:	97	Resp:	344119
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	48.0	38.3	57.5





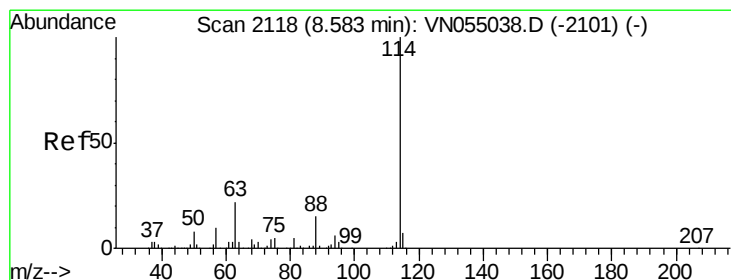
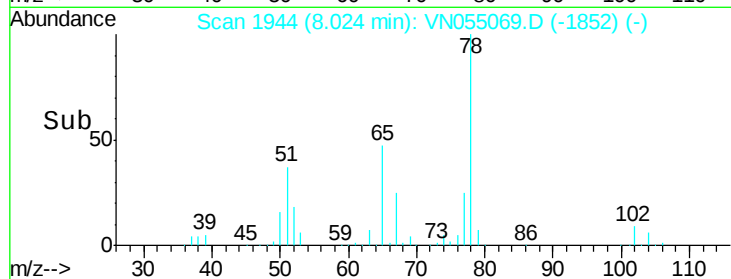
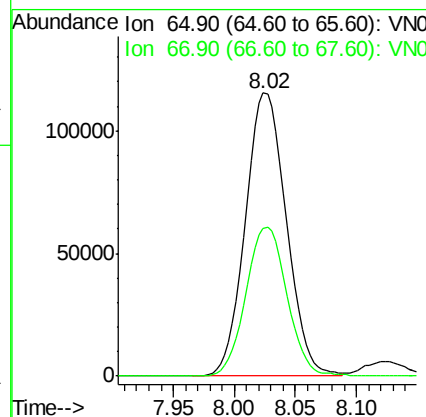
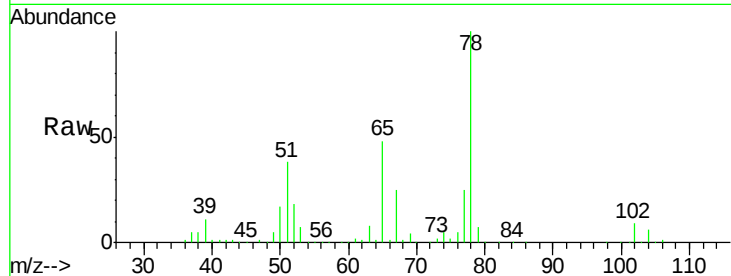
#33
 1,2-Dichloroethane-d4
 Concen: 45.732 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	268743		
67	52.6	0.0	106.4	

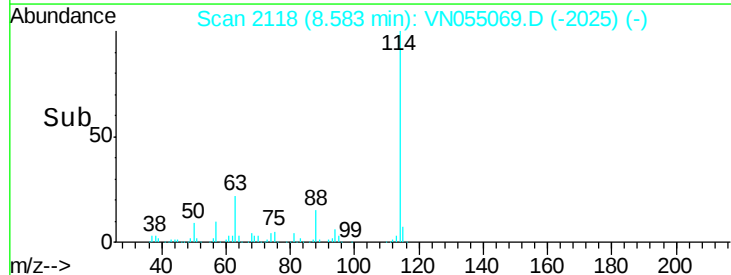
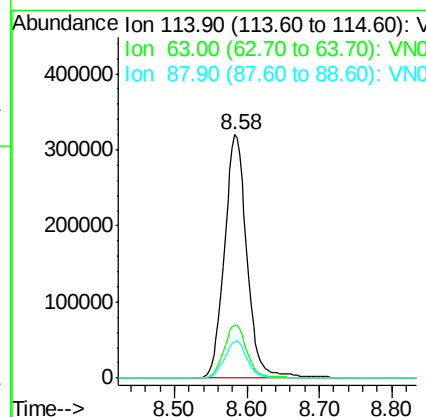
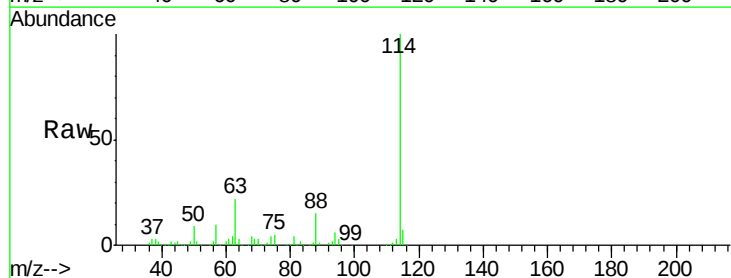
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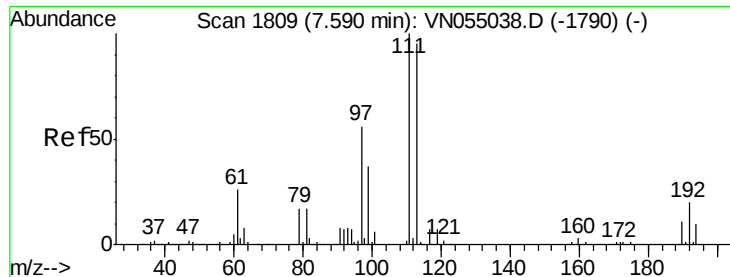
MMDadoda
 4/17/2019 4:22:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	687994		
63	21.9	0.0	45.2	
88	15.1	0.0	31.8	





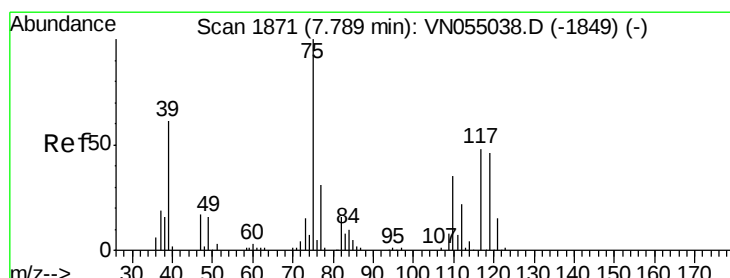
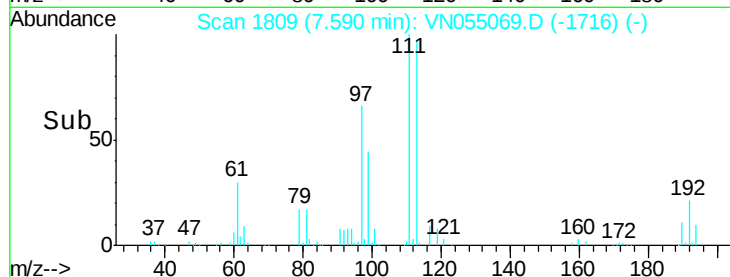
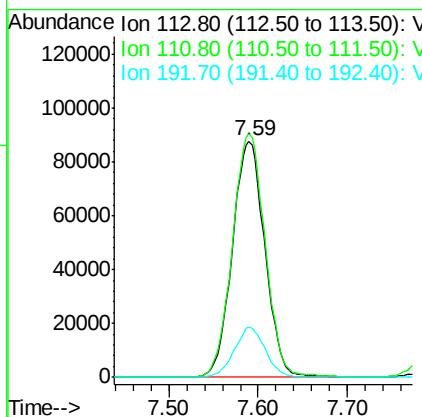
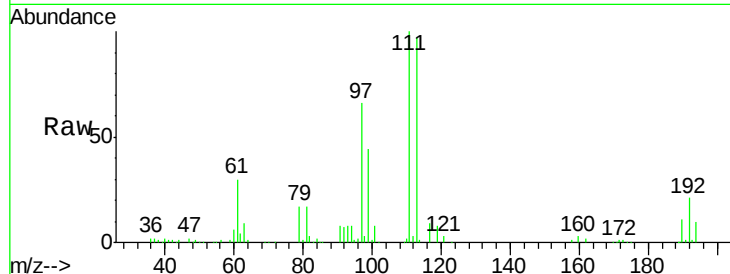
#35
Dibromofluoromethane
Concen: 48.179 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221525		
111	103.9	82.1	123.1	
192	20.3	16.5	24.7	

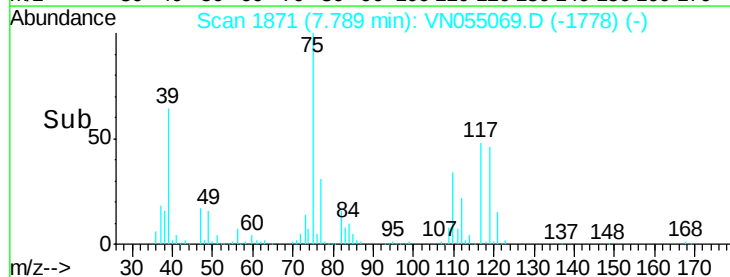
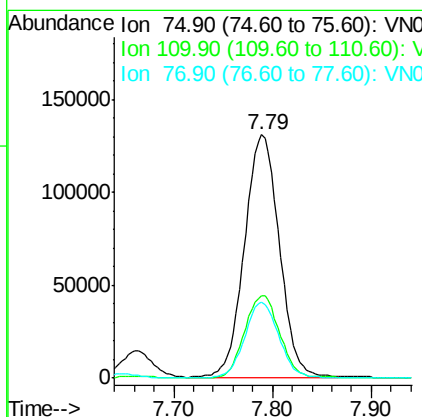
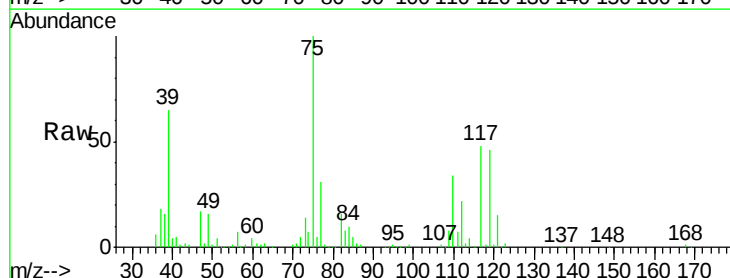
Manual Integrations
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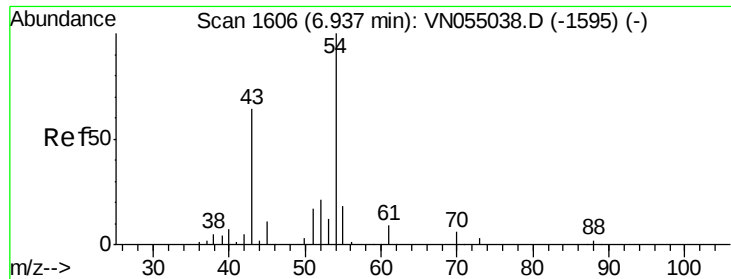
MMDadoda
4/17/2019 4:22:59 AM



#36
1,1-Dichloropropene
Concen: 49.051 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	318124		
110	34.4	17.5	52.5	
77	31.1	24.9	37.3	





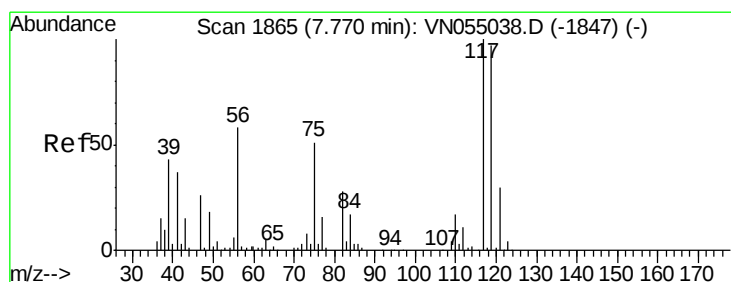
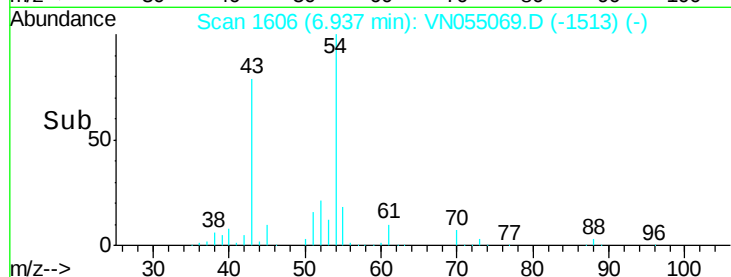
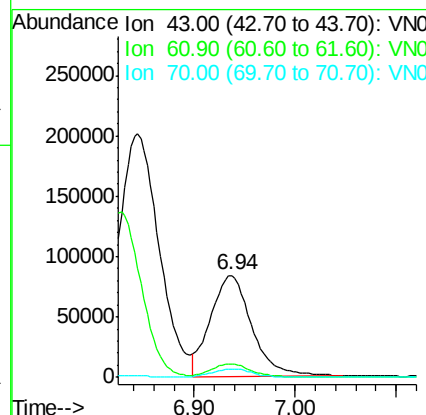
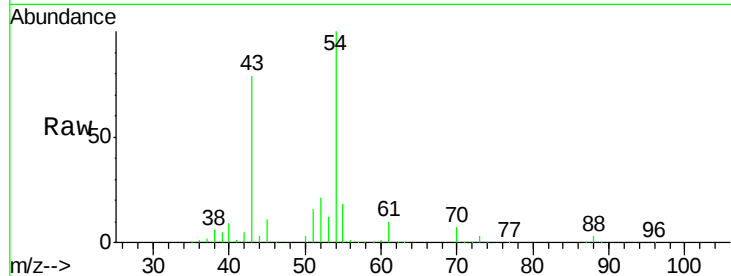
#37
Ethyl Acetate
Concen: 44.795 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.0	15.0
70	8.0	7.1	10.7

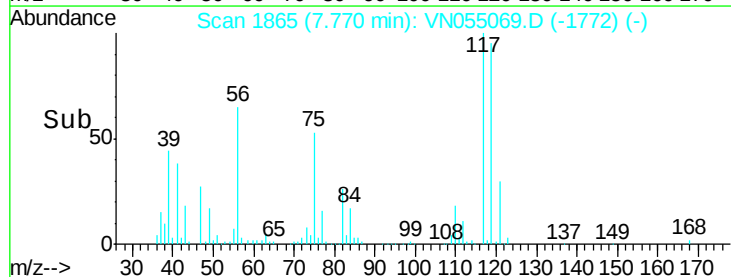
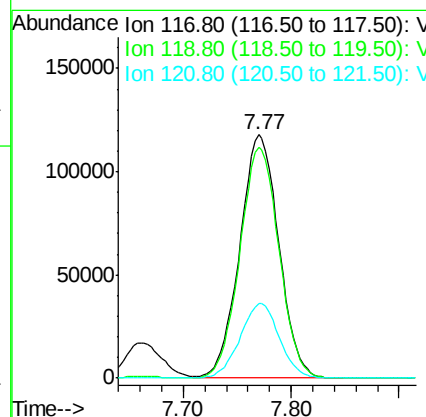
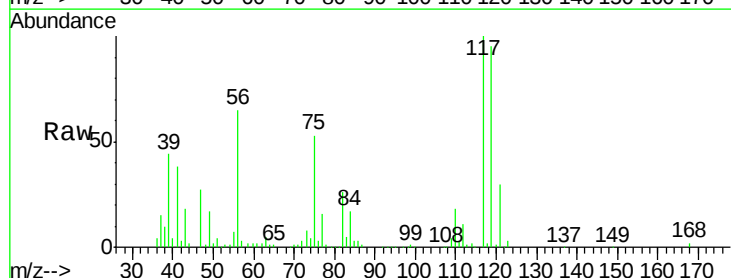
Manual Integrations
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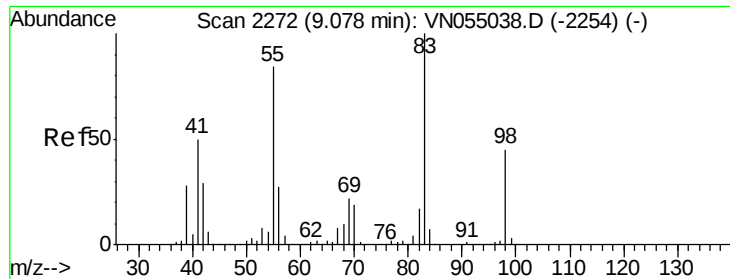
MMDadoda
4/17/2019 4:22:59 AM



#38
Carbon Tetrachloride
Concen: 47.926 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.3	114.5
121	30.5	23.9	35.9





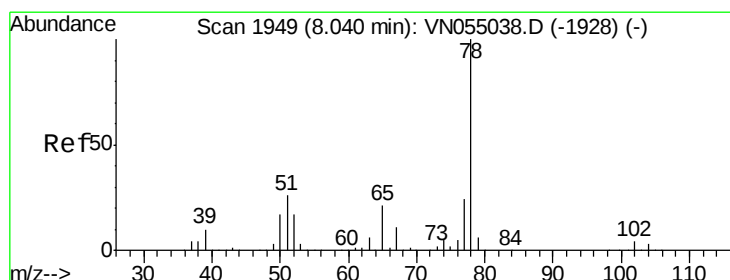
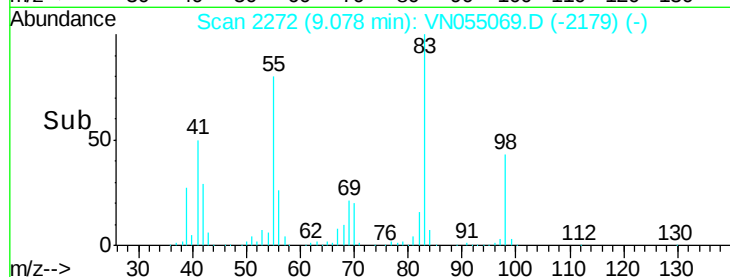
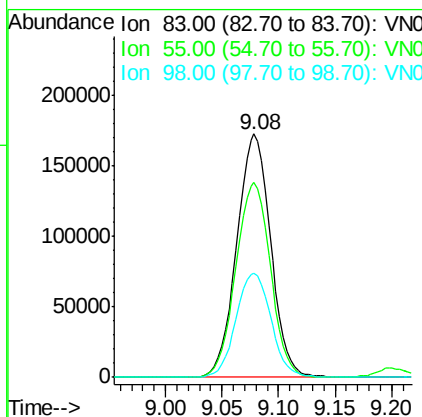
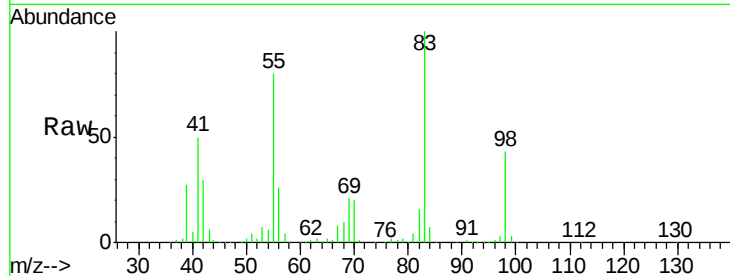
#39
Methvlcvclohexane
Concen: 51.278 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	360381
Ion	Ratio	Lower	Upper
83	100		
55	79.9	67.0	100.4
98	42.8	35.6	53.4

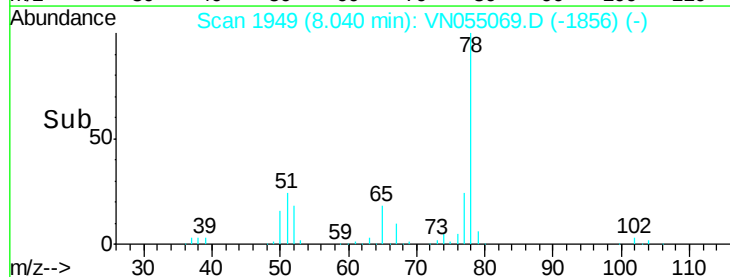
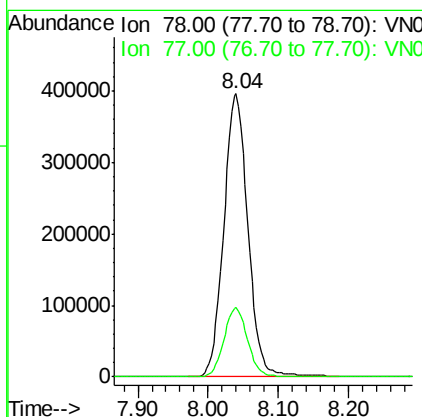
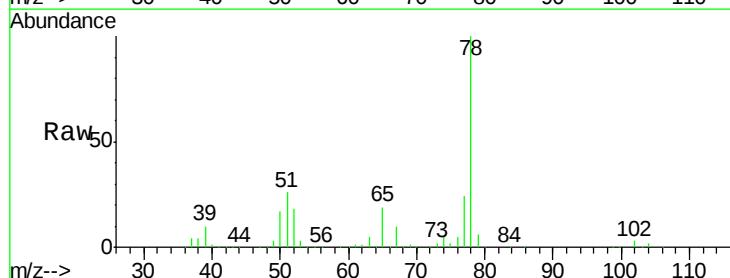
Manual Integrations
APPROVED

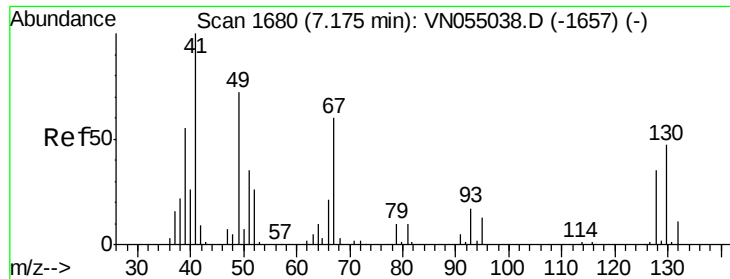
MMDadoda
4/17/2019 4:22:59 AM



#40
Benzene
Concen: 48.495 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	78.00	Resp	947922
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2





#41

Methacrylonitrile

Concen: 47.801 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 41 Resp: 140103
Ion Ratio Lower Upper

41 100

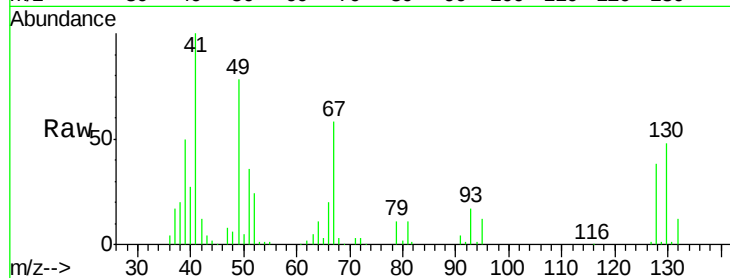
39 51.4 45.6 68.4

67 66.6 57.0 85.6

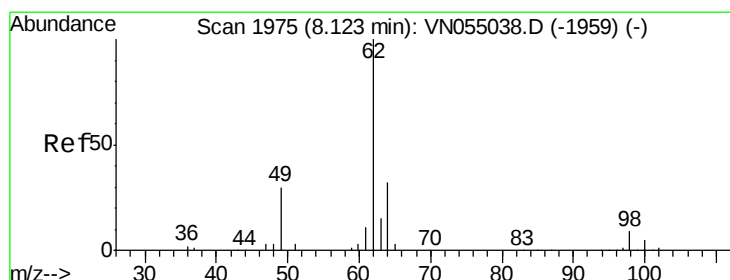
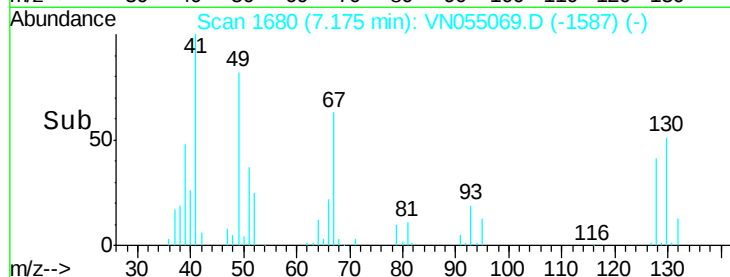
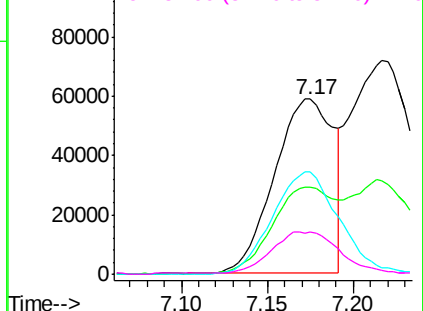
52 28.3 23.6 35.4

Manual Integrations
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MMDadoda
4/17/2019 4:22:59 AM



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 47.667 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

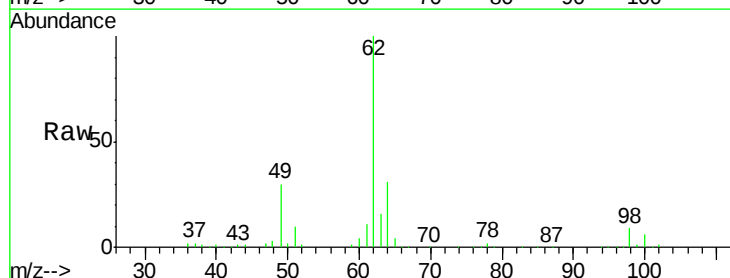
Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

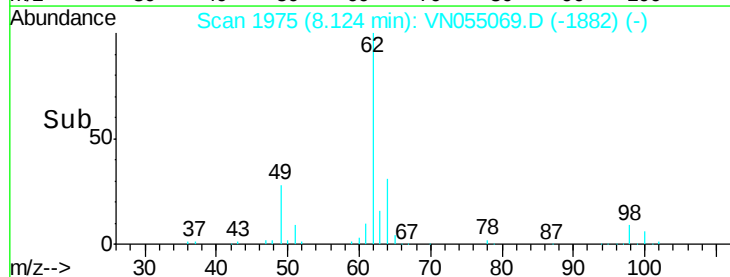
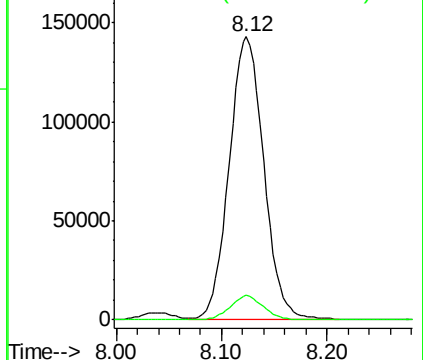
Tgt Ion: 62 Resp: 323497
Ion Ratio Lower Upper

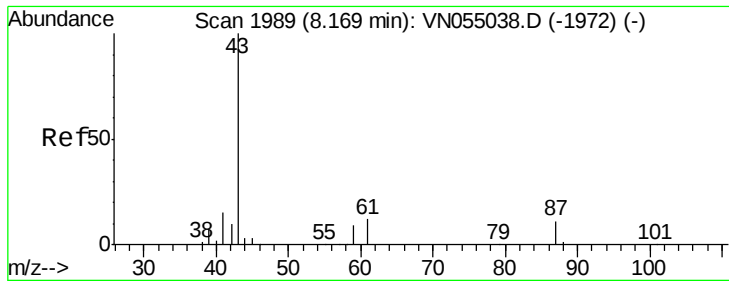
62 100

98 8.4 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





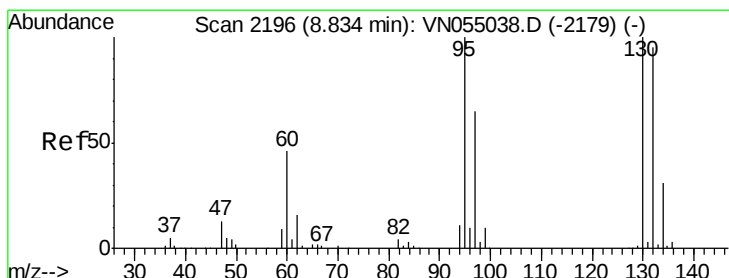
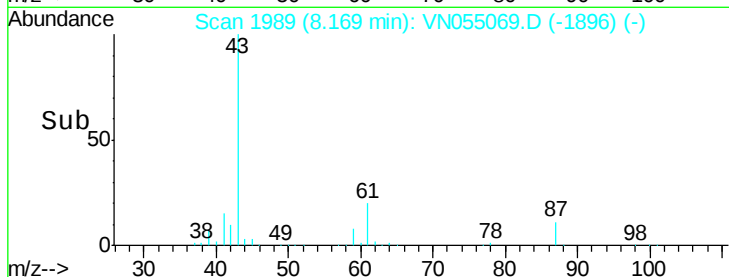
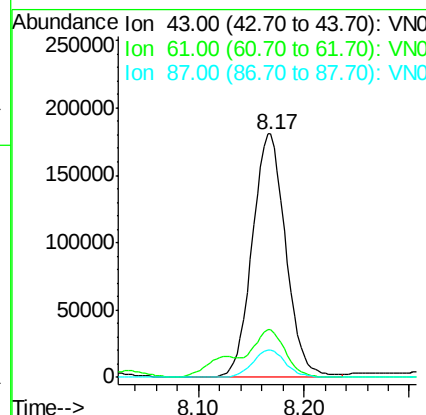
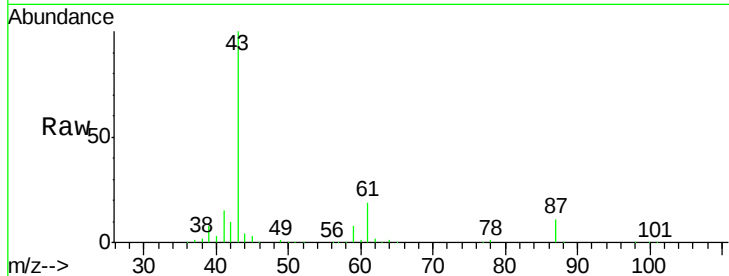
#43
Isopropyl Acetate
Concen: 48.949 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.3	21.5
87	11.2	8.6	13.0

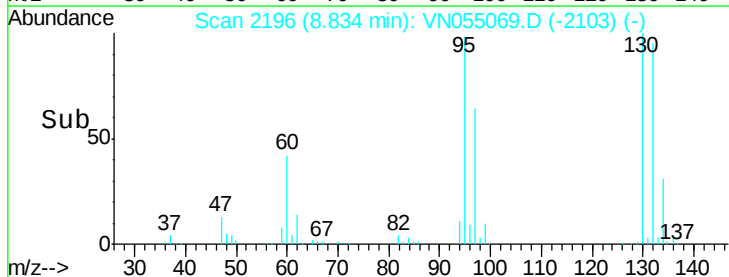
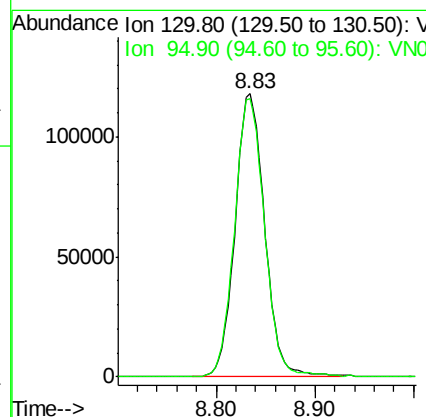
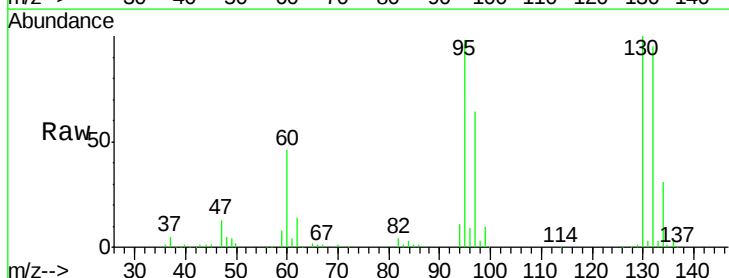
Manual Integrations
APPROVED

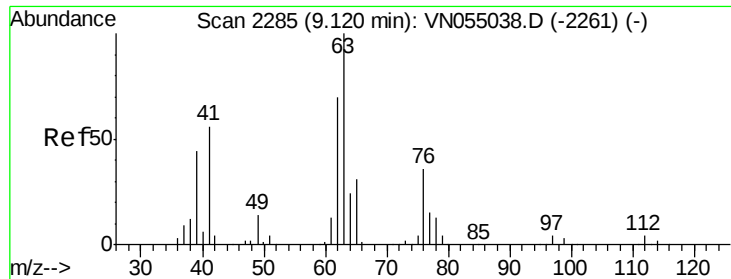
MMDadoda
4/17/2019 4:22:59 AM



#44
Trichloroethene
Concen: 50.496 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	201.6





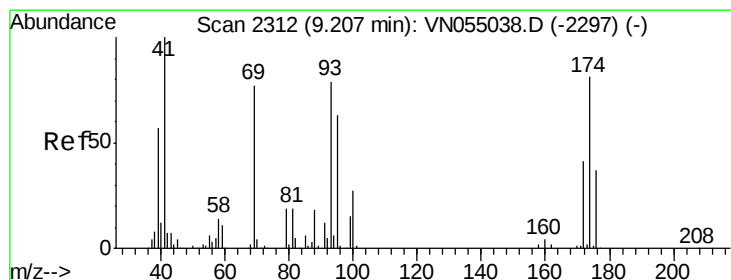
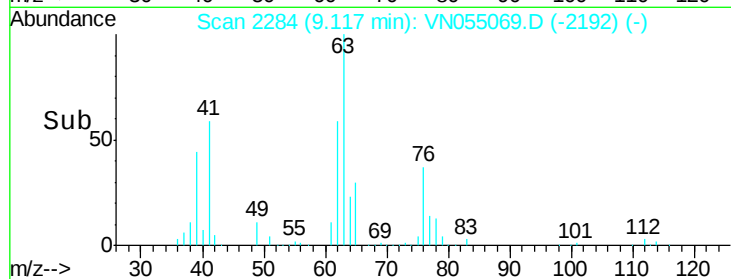
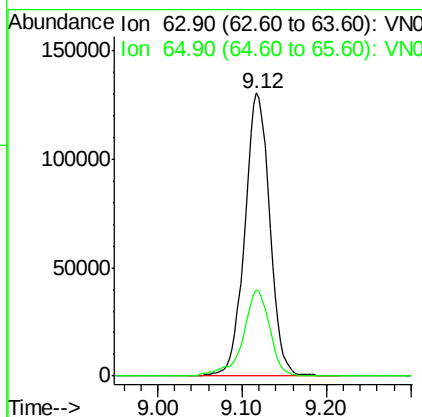
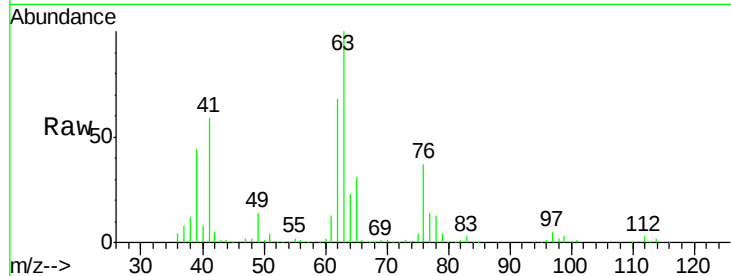
#45
 1,2-Dichloropropane
 Concen: 49.428 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 269448
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

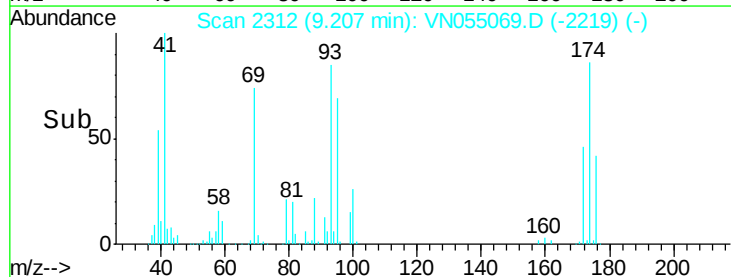
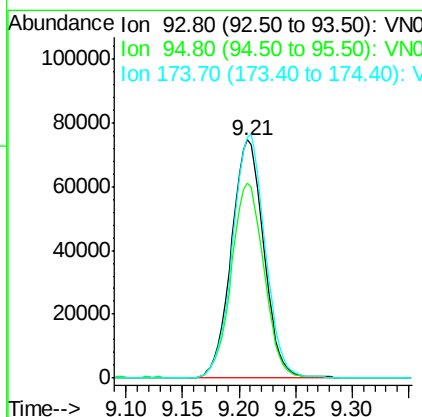
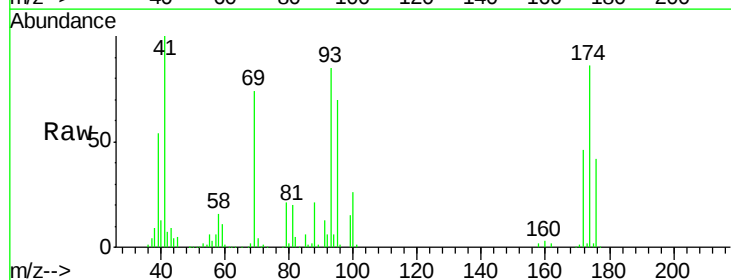
Manual Integrations
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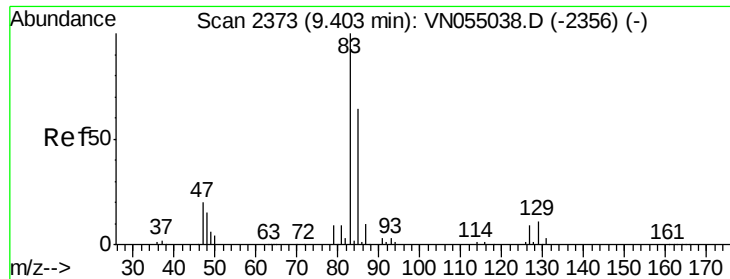
MMDadoda
 4/17/2019 4:22:59 AM



#46
 Dibromomethane
 Concen: 48.145 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion: 93 Resp: 149386
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.0 97.6
 174 102.7 81.0 121.6





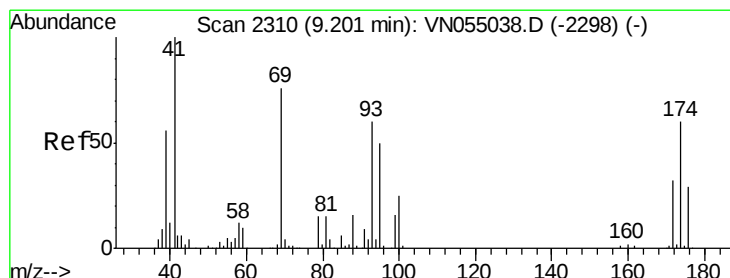
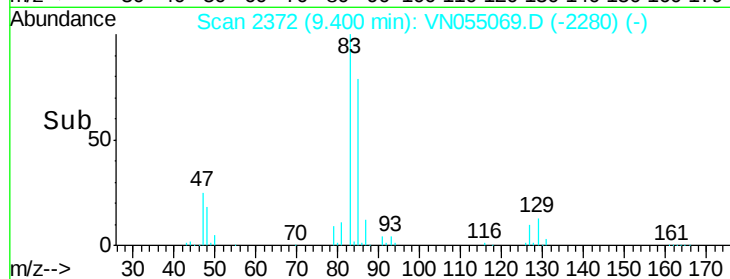
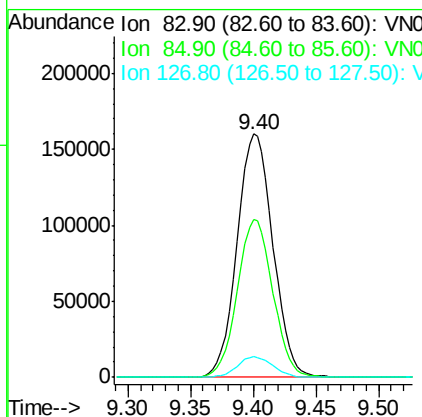
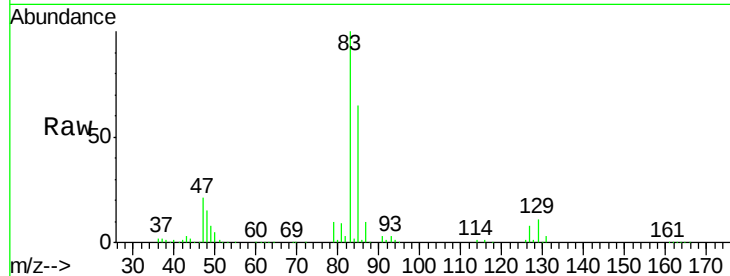
#47
Bromodichloromethane
Concen: 49.795 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	318551
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.4	6.8	10.2

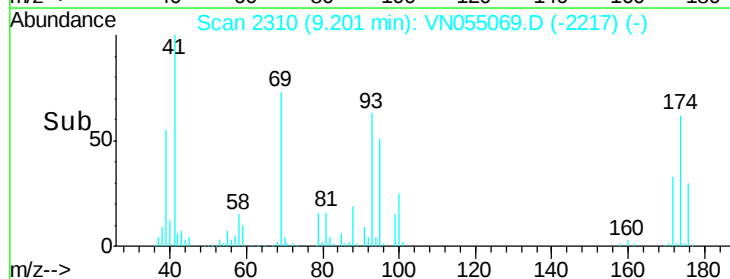
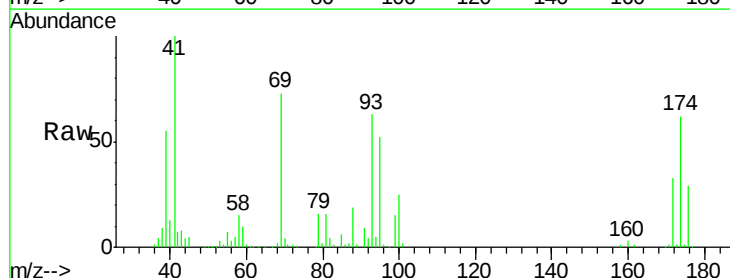
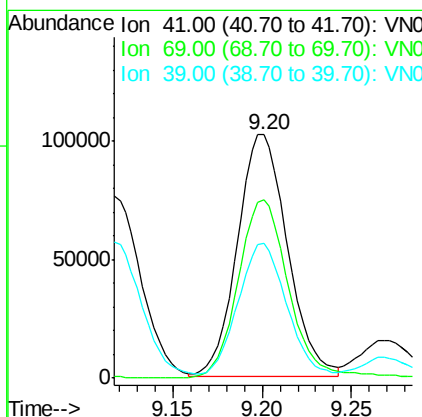
Manual Integrations
APPROVED

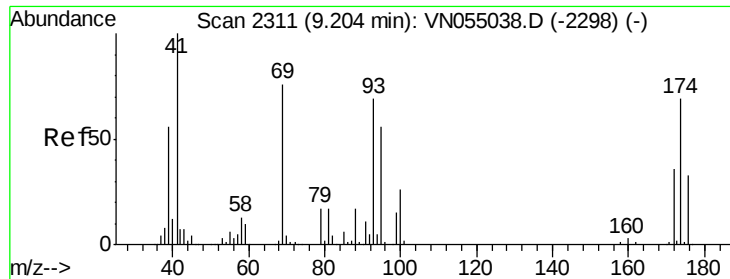
MMDadoda
4/17/2019 4:22:59 AM



#48
Methyl methacrylate
Concen: 49.653 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	41	Resp	200229
Ion Ratio	100	Lower	Upper
41	100		
69	75.0	60.5	90.7
39	53.8	43.9	65.9





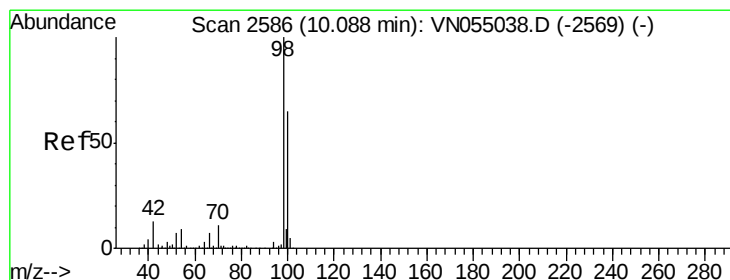
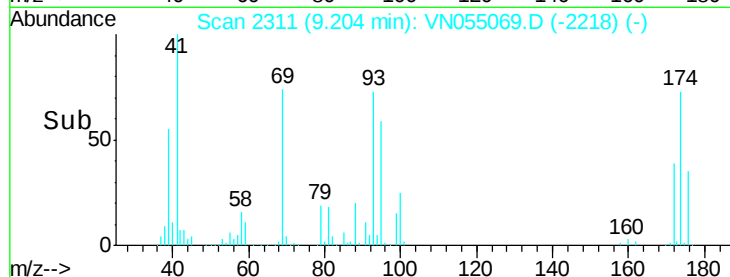
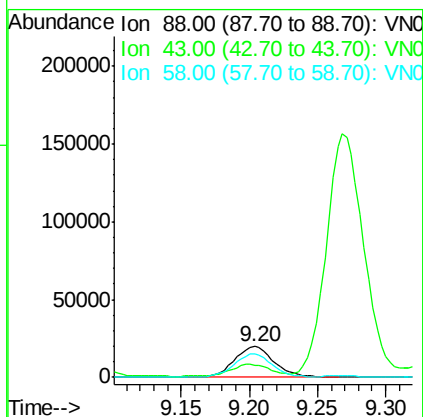
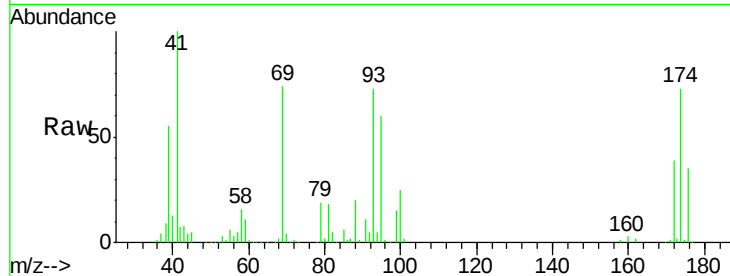
#49
1,4-Dioxane
Concen: 1060.229 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	40056
Ion	Ratio	Lower	Upper
88	100		
43	39.6	31.8	47.8
58	74.7	61.6	92.4

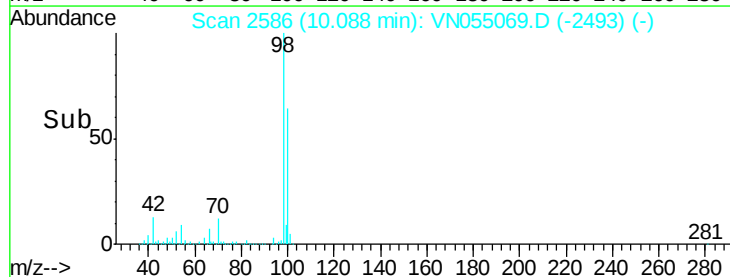
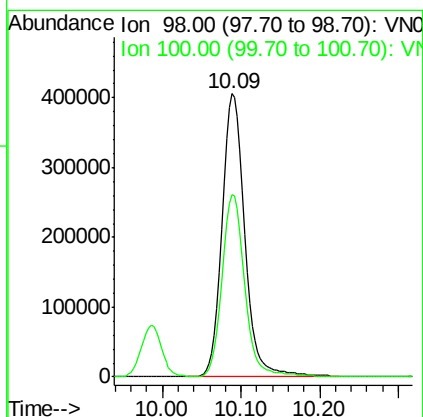
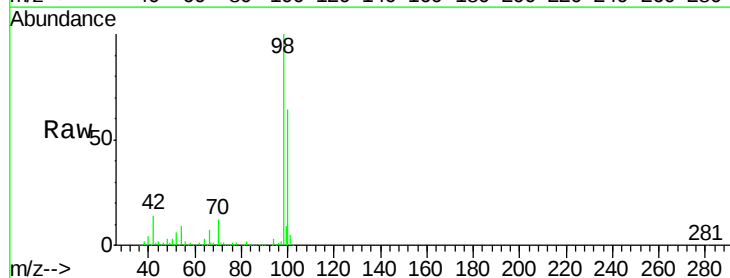
Manual Integrations
APPROVED

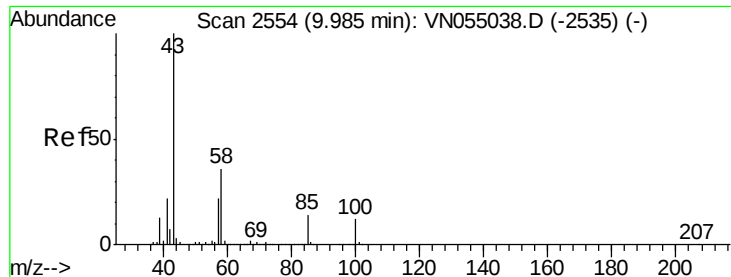
MMDadoda
4/17/2019 4:22:59 AM



#50
Toluene-d8
Concen: 49.282 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	98	Resp	810994
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 241.763 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1136355

Ion Ratio Lower Upper

43 100

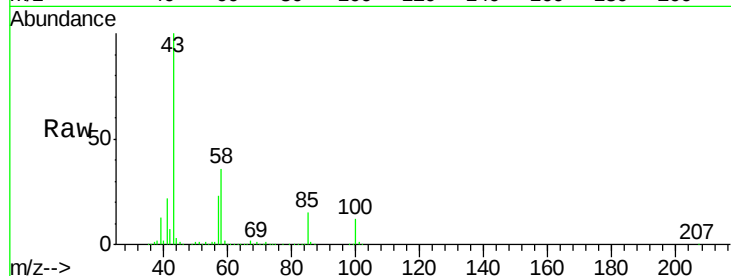
58 35.3 29.0 43.4

Manual Integrations

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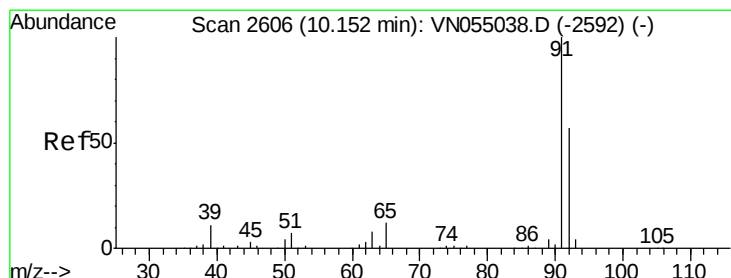
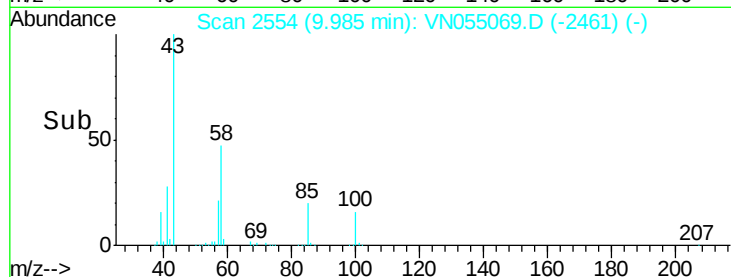
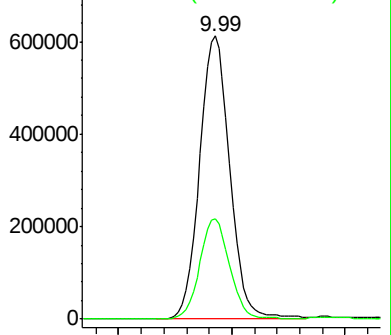
MMDadoda

4/17/2019 4:22:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.493 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055069.D

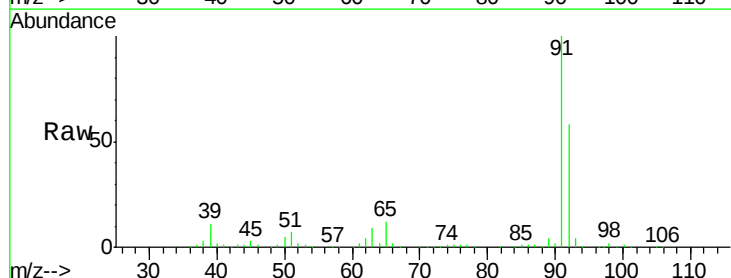
Acq: 16 Apr 2019 11:04

Tgt Ion: 92 Resp: 565288

Ion Ratio Lower Upper

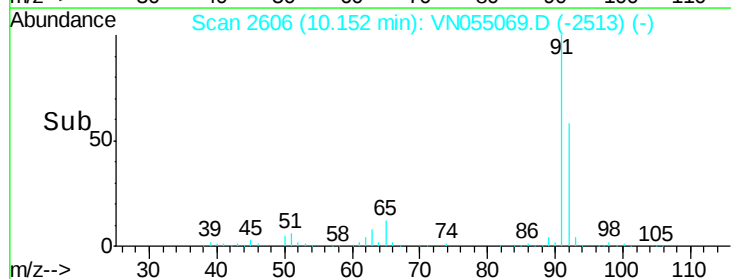
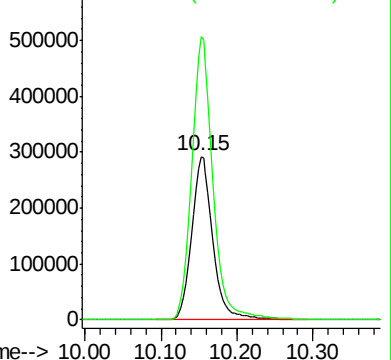
92 100

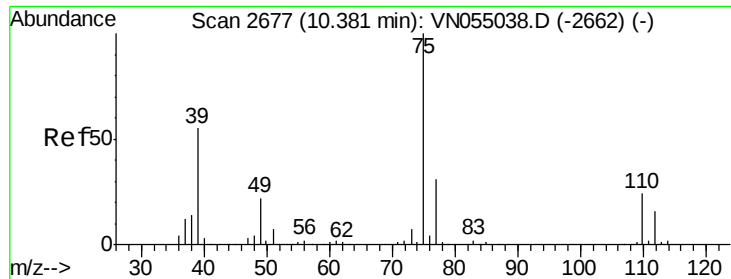
91 174.5 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





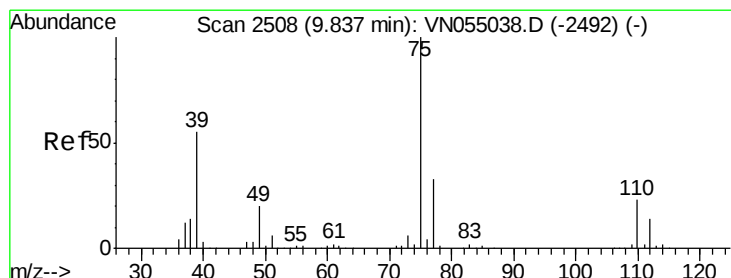
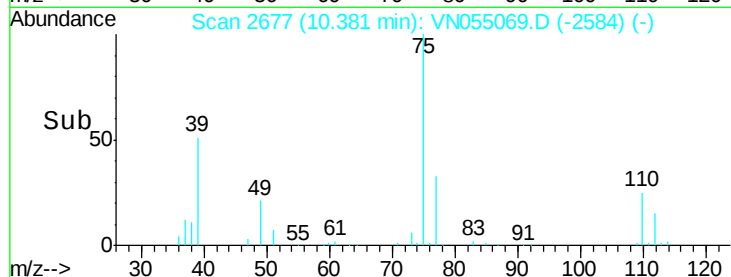
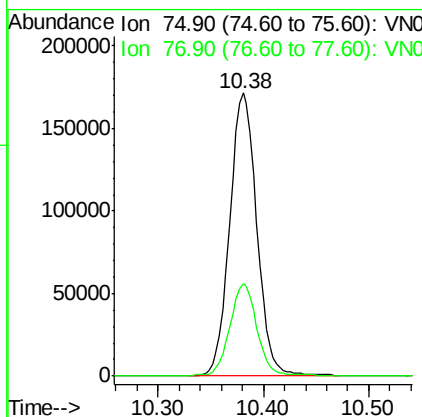
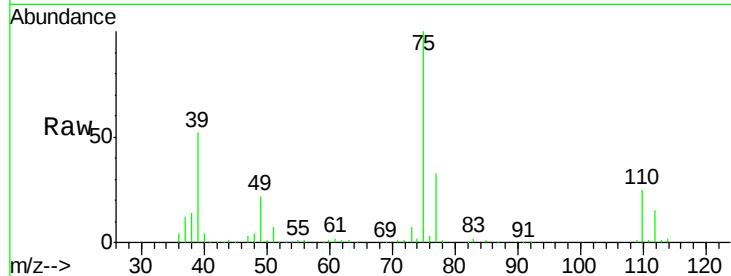
#53
t-1,3-Dichloropropene
Concen: 54.716 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 305894
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0

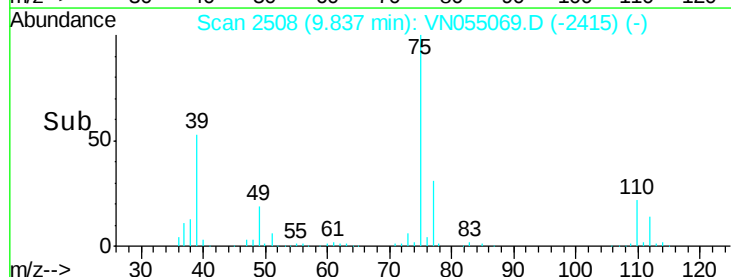
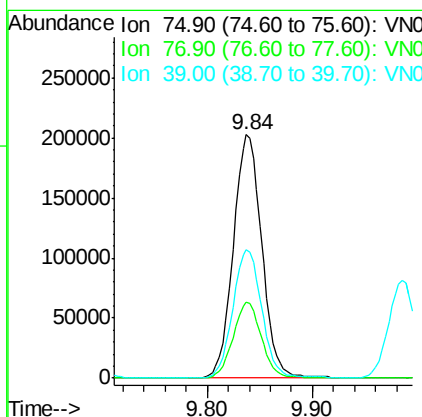
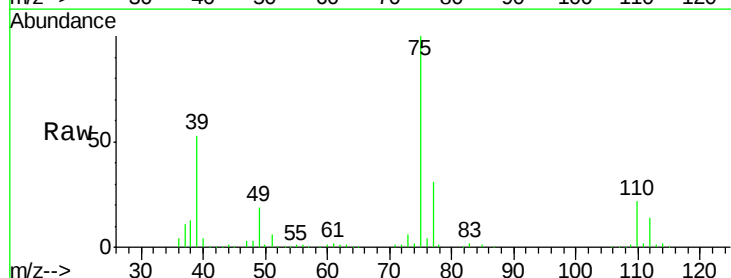
Manual Integrations
APPROVED

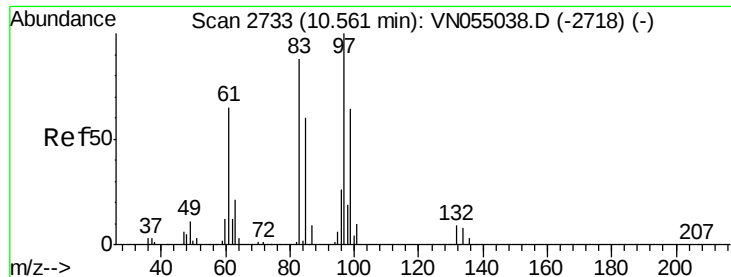
MMDadoda
4/17/2019 4:22:59 AM



#54
cis-1,3-Dichloropropene
Concen: 54.670 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion: 75 Resp: 379341
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6
39 52.7 43.8 65.8





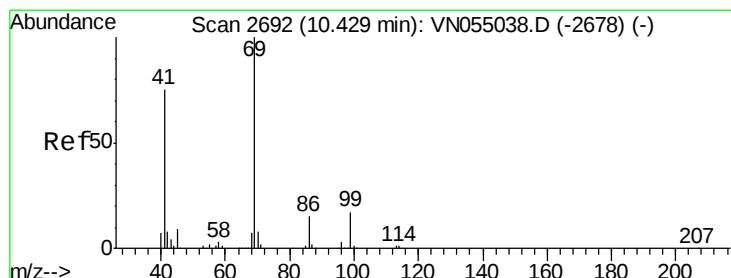
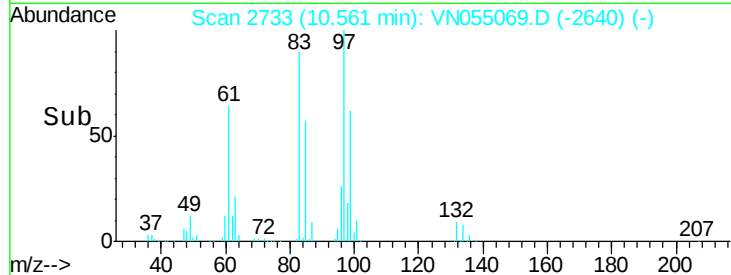
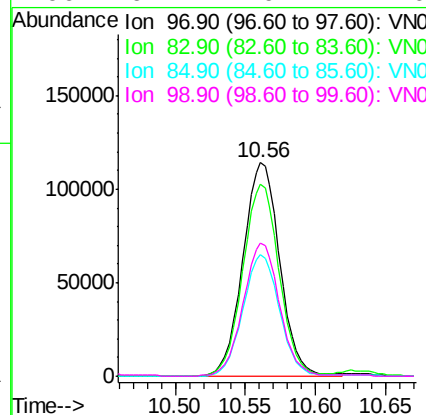
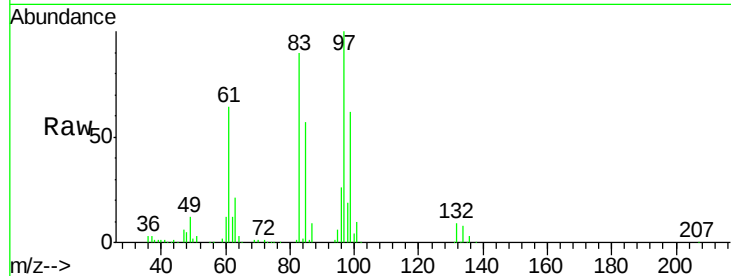
#55
 1,1,2-Trichloroethane
 Concen: 48.531 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	209329
Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.5	105.7
85	56.7	45.5	68.3
99	62.1	49.4	74.0

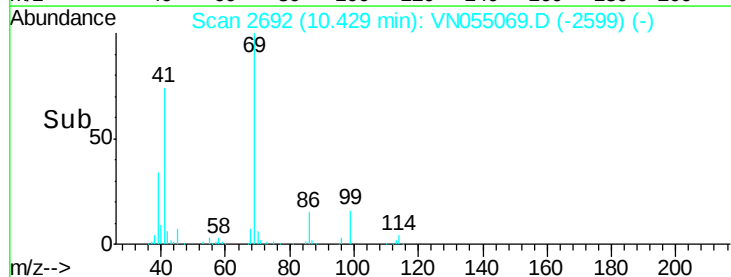
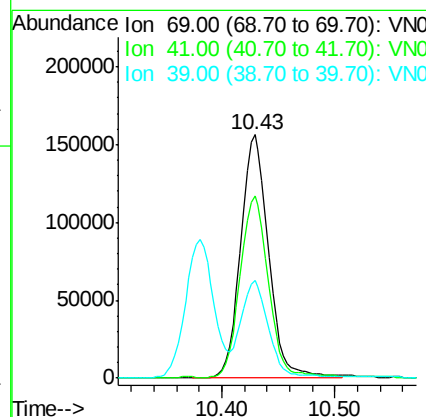
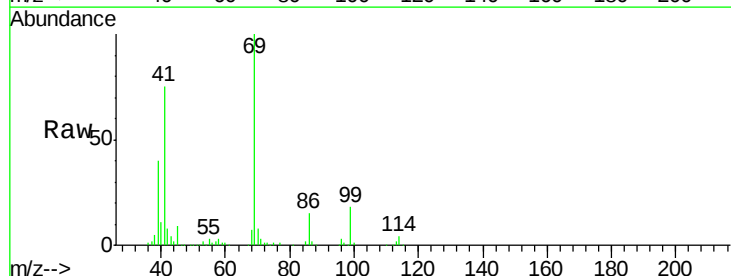
Manual Integrations
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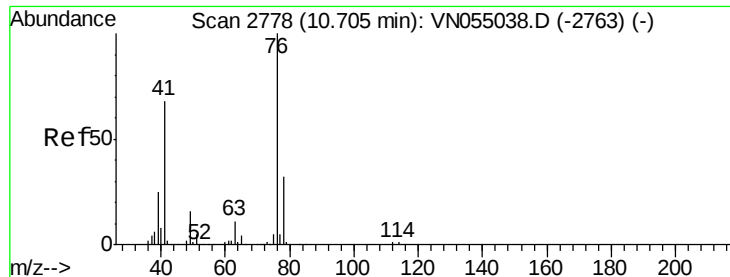
MMDadoda
 4/17/2019 4:22:59 AM



#56
 Ethyl methacrylate
 Concen: 52.118 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion:	69	Resp:	269785
Ion	Ratio	Lower	Upper
69	100		
41	75.3	61.4	92.0
39	38.6	30.8	46.2





#57

1,3-Dichloropropane

Concen: 49.059 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 360280

Ion Ratio Lower Upper

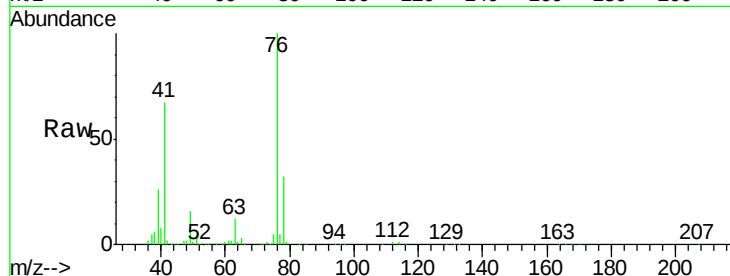
76 100

78 32.4 25.6 38.4

Manual Integrations
APPROVED

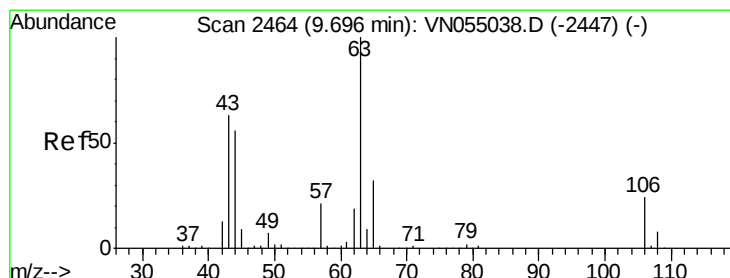
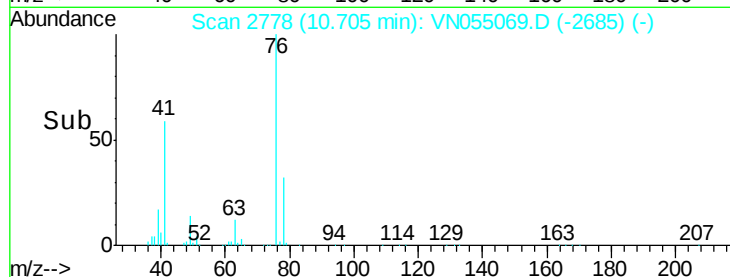
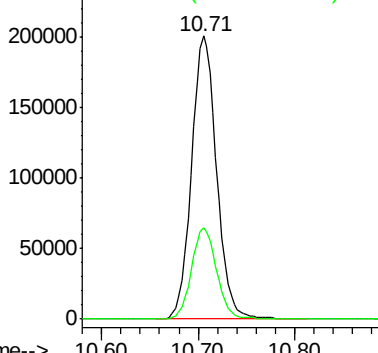
MMDadoda

4/17/2019 4:22:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 210.121 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055069.D

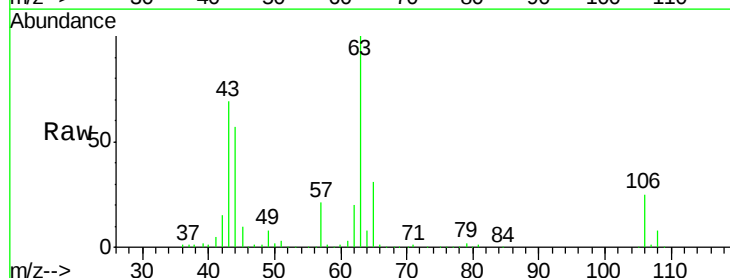
Acq: 16 Apr 2019 11:04

Tgt Ion: 63 Resp: 473669

Ion Ratio Lower Upper

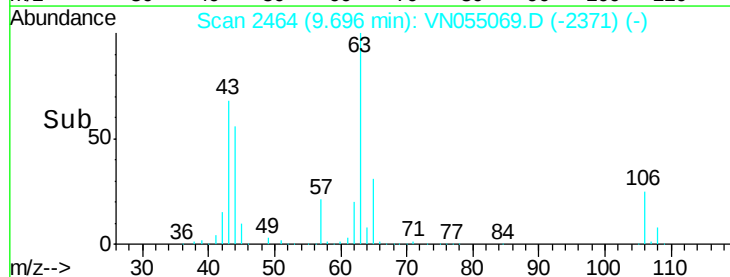
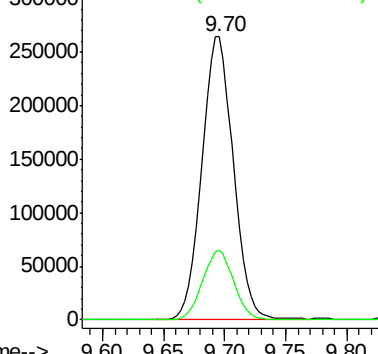
63 100

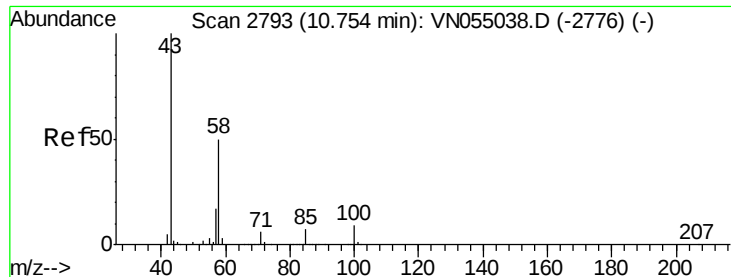
106 24.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





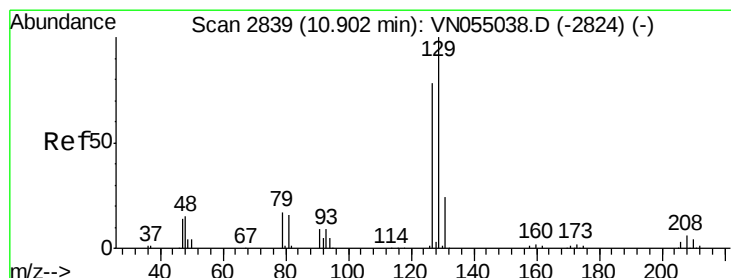
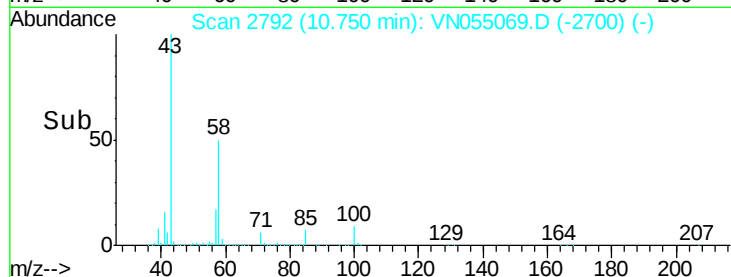
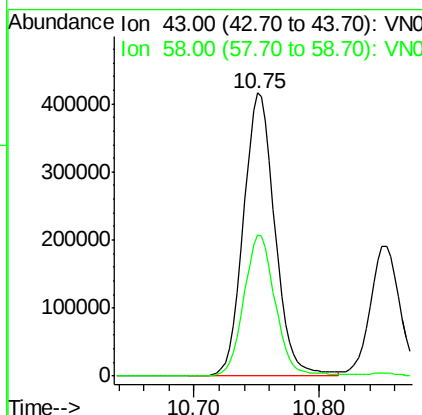
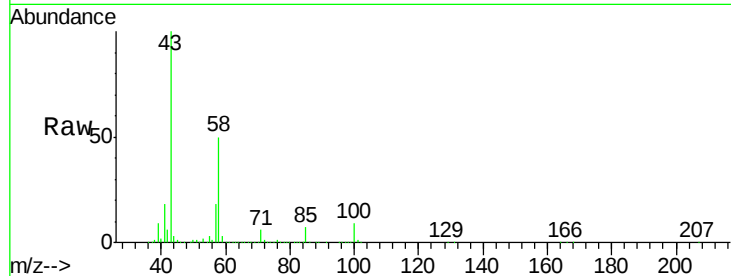
#59
2-Hexanone
Concen: 244.990 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	723263
Ion Ratio	43	100	
Lower	58	50.0	25.1
Upper			75.2

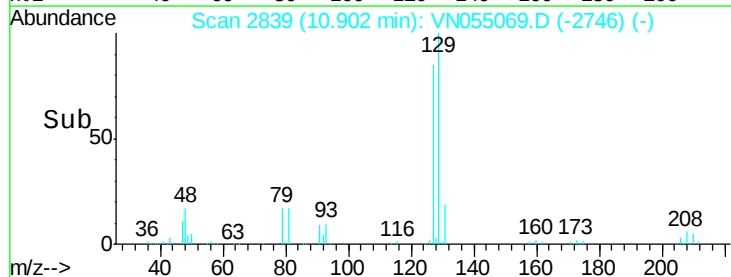
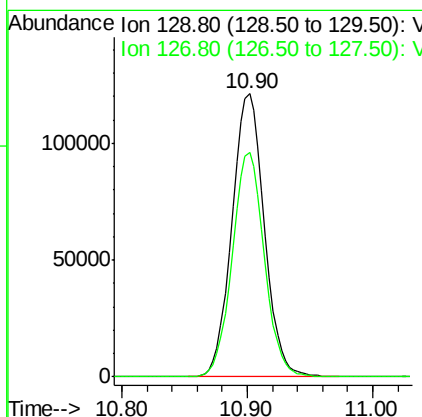
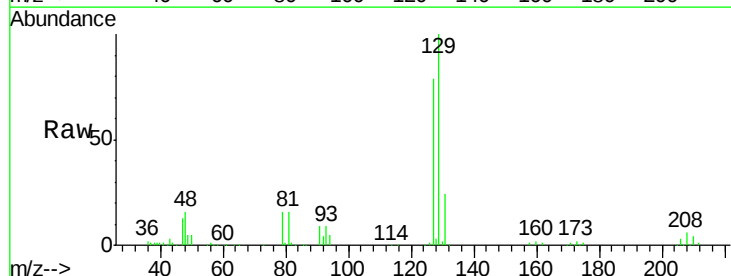
Manual Integrations
APPROVED

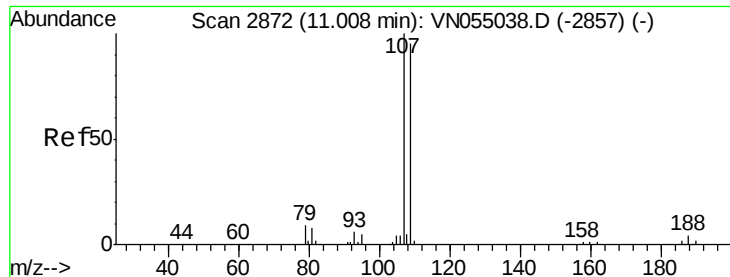
MMDadoda
4/17/2019 4:22:59 AM



#60
Dibromochloromethane
Concen: 51.613 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	129	Resp	217386
Ion Ratio	129	100	
Lower	127	78.5	38.2
Upper			114.6





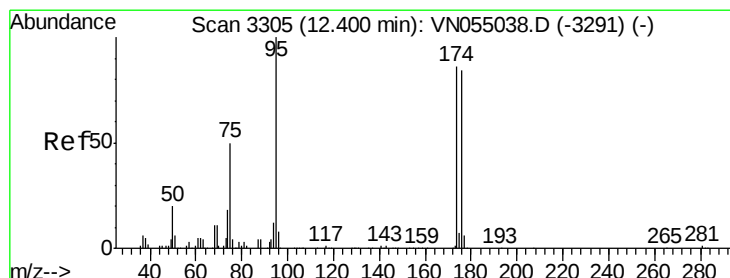
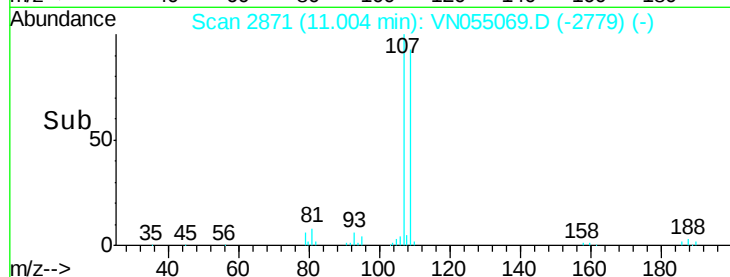
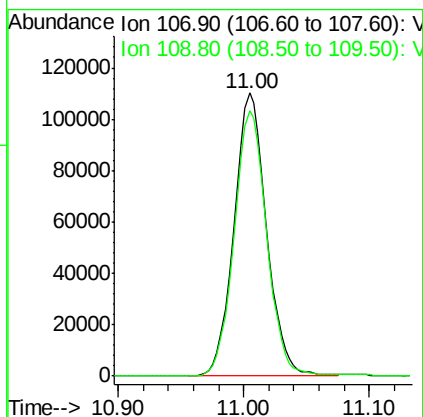
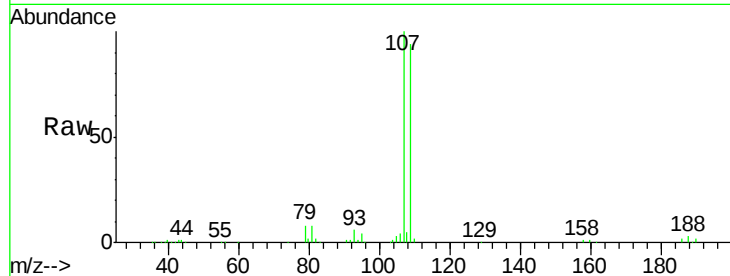
#61
 1,2-Dibromoethane
 Concen: 49.901 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.5	114.7

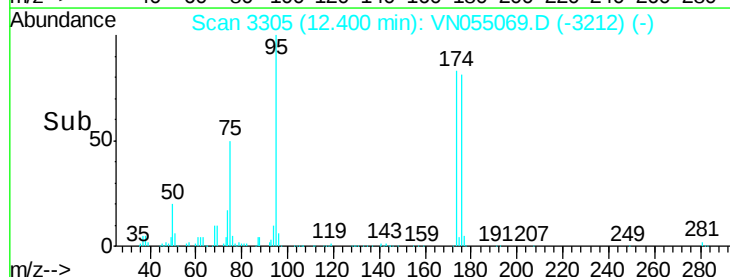
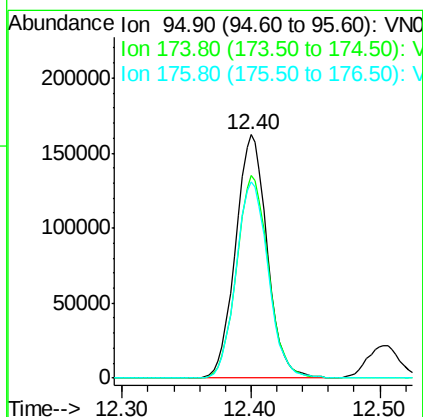
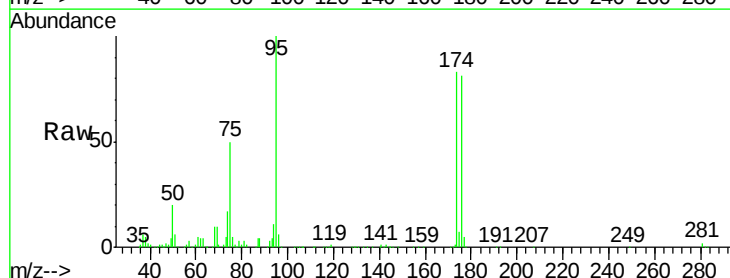
Manual Integrations
 APPROVED

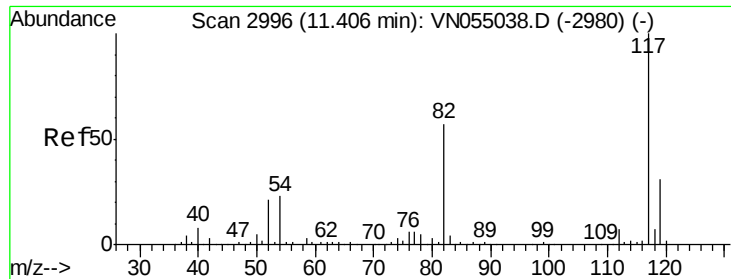
MMDadoda
 4/17/2019 4:22:59 AM



#62
 4-Bromofluorobenzene
 Concen: 51.637 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	174.4
176	82.1	0.0	166.8





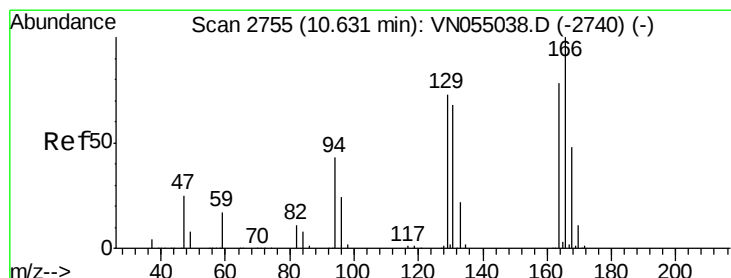
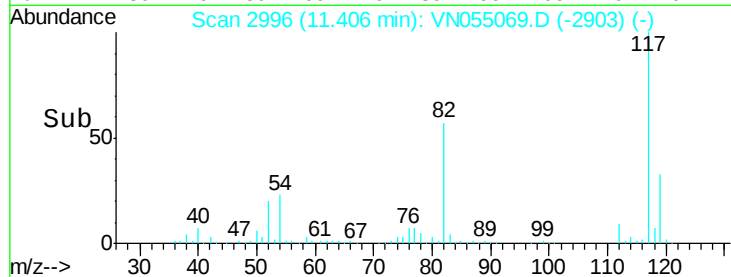
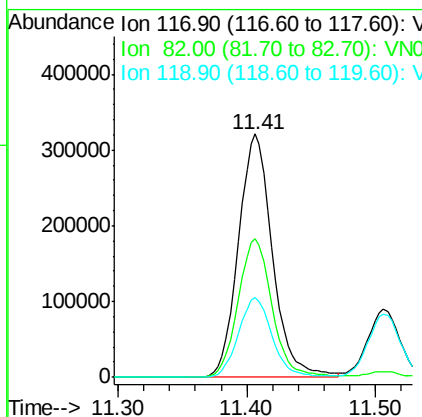
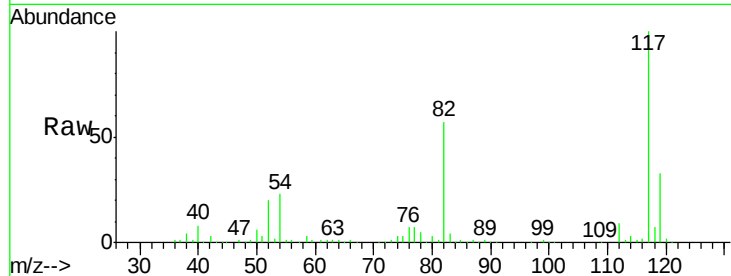
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	66.8
119	32.8	25.5	38.3

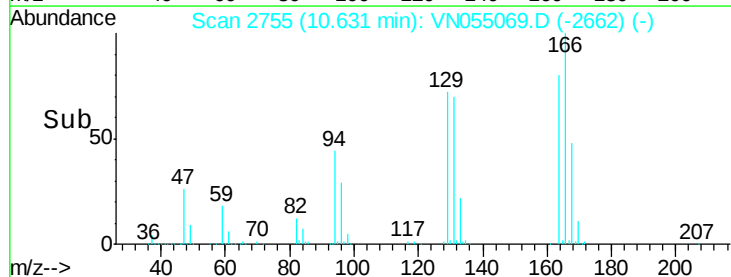
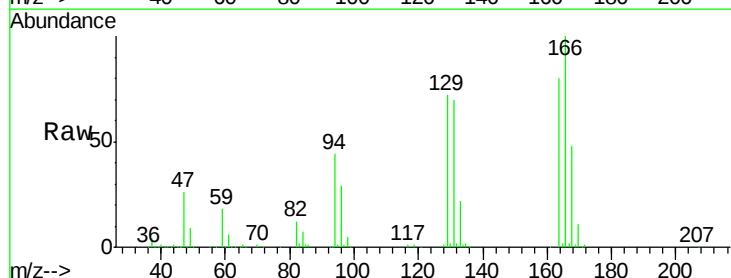
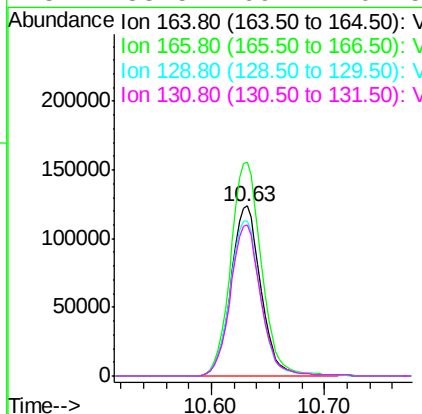
Manual Integrations
APPROVED

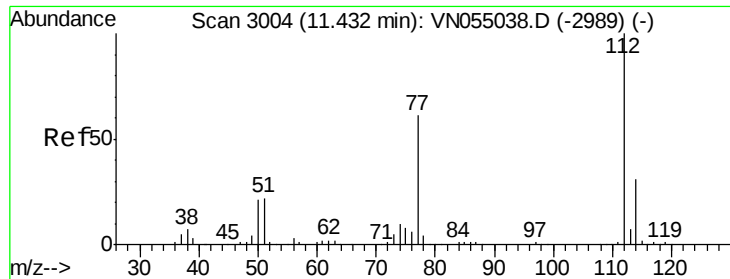
MMDadoda
4/17/2019 4:22:59 AM



#64
Tetrachloroethene
Concen: 47.681 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.0	150.0
129	90.9	72.0	108.0
131	88.5	69.7	104.5





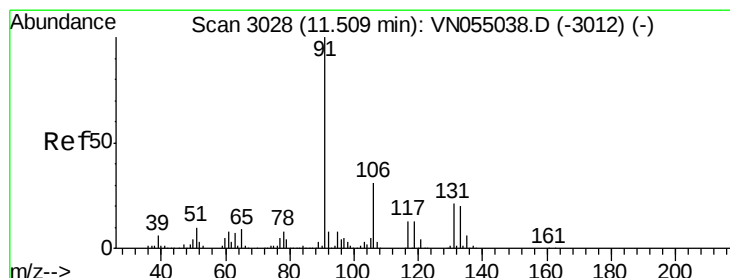
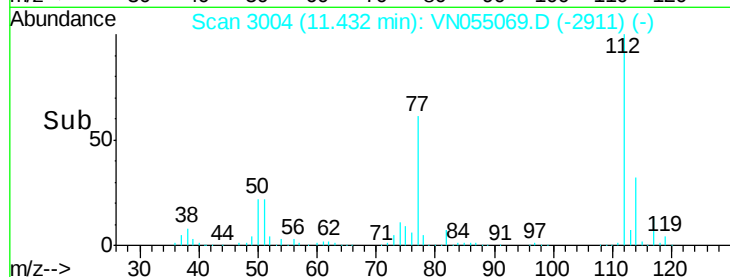
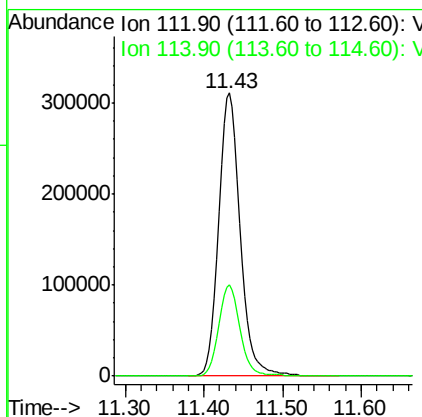
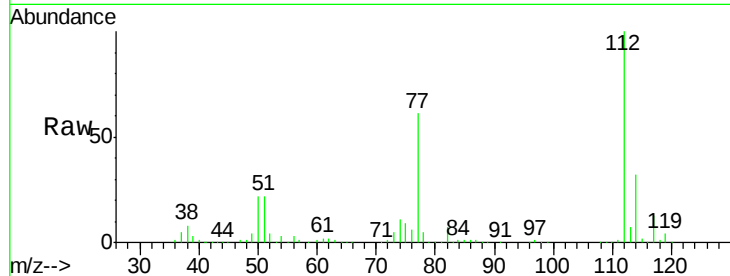
#65
Chlorobenzene
Concen: 49.201 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 585086
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

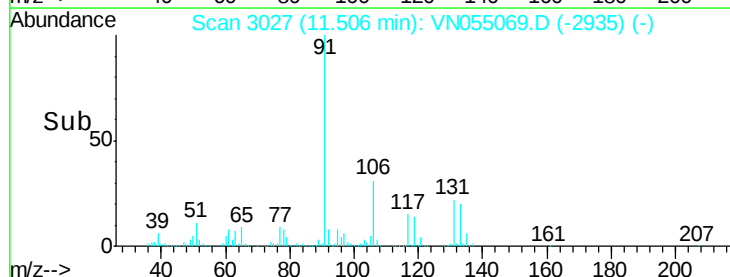
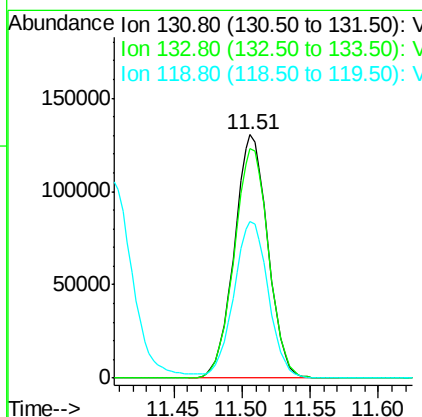
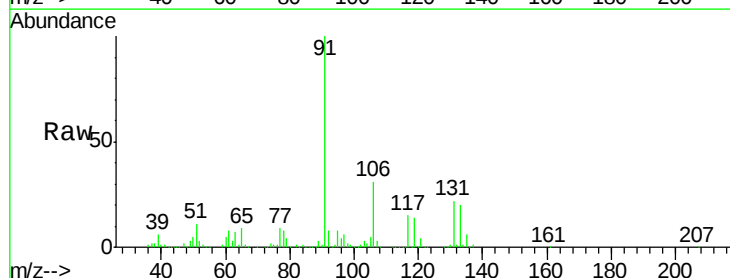
Manual Integrations
APPROVED

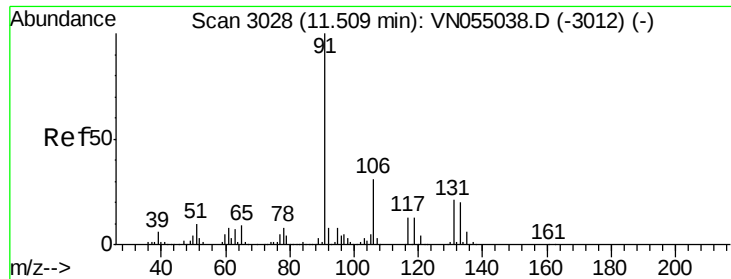
MMDadoda
4/17/2019 4:22:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.904 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion:131 Resp: 222640
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 66.1 33.6 100.6





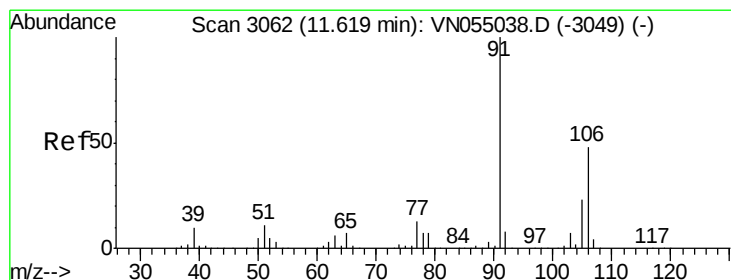
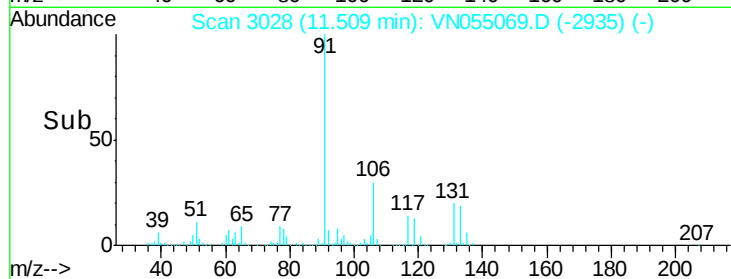
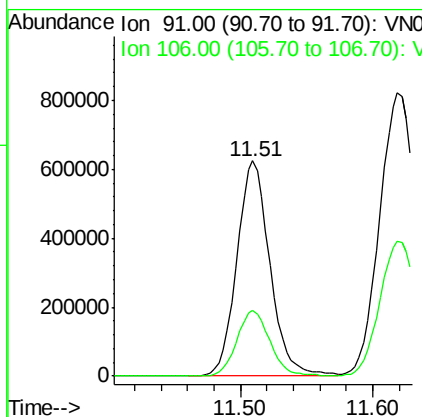
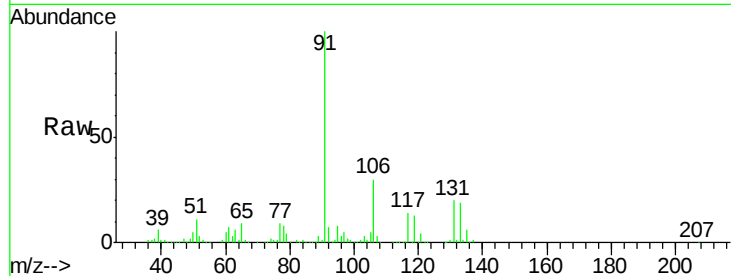
#67
Ethyl Benzene
Concen: 50.940 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1081786
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

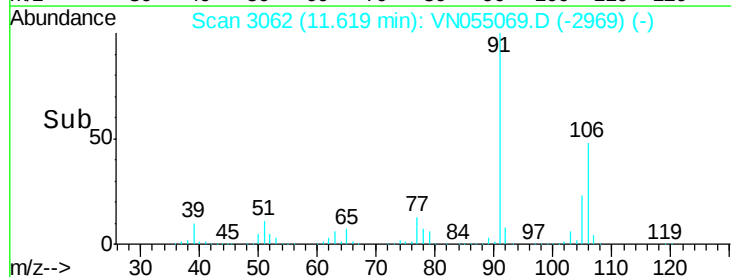
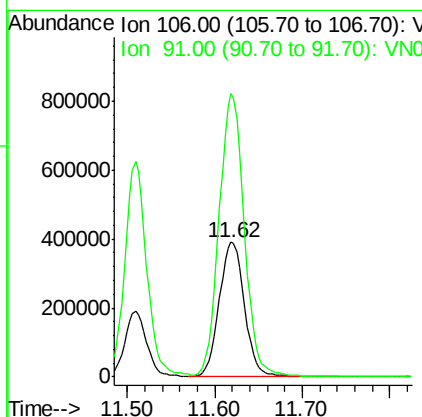
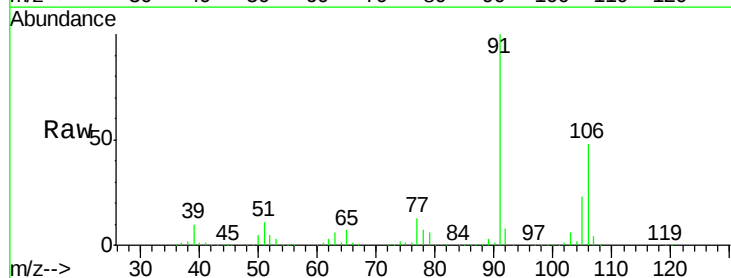
Manual Integrations
APPROVED

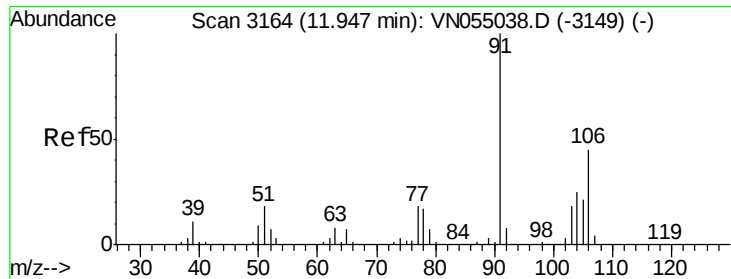
MMDadoda
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#68
m/p-Xylenes
Concen: 102.412 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion: 106 Resp: 787559
Ion Ratio Lower Upper
106 100
91 208.9 165.9 248.9





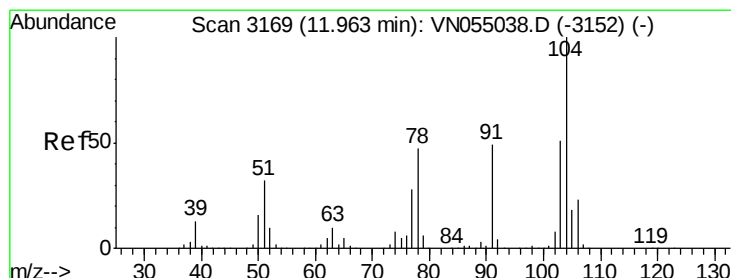
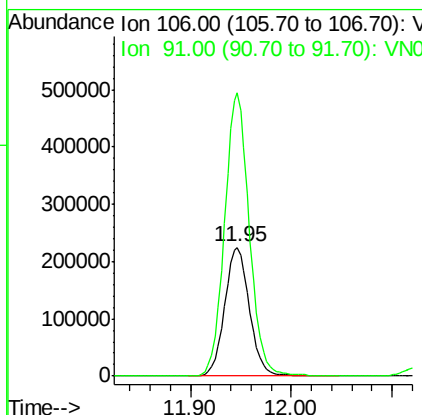
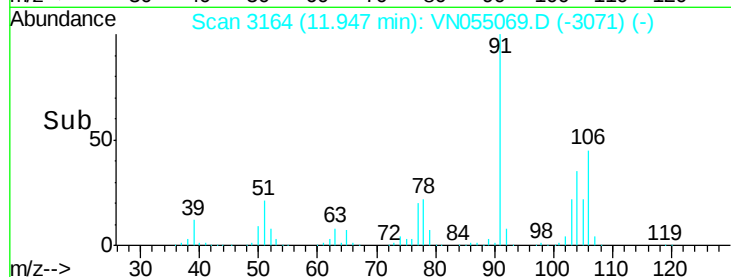
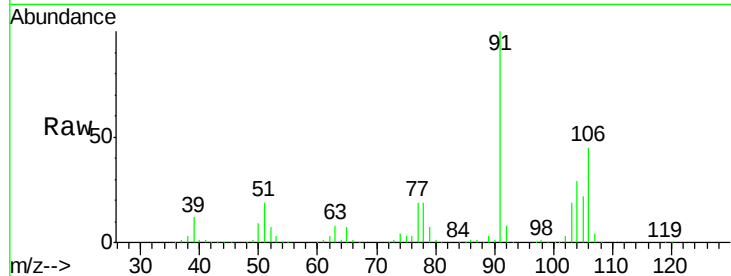
#69
o-Xylene
Concen: 51.748 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 385430
Ion Ratio Lower Upper
106 100
91 219.0 109.9 329.8

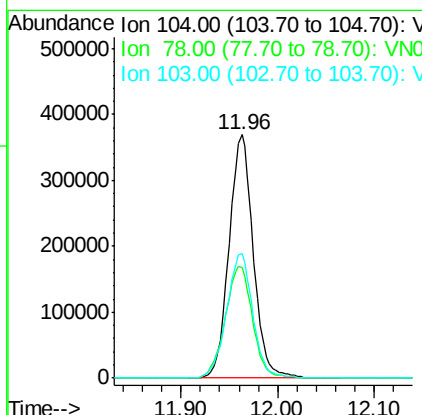
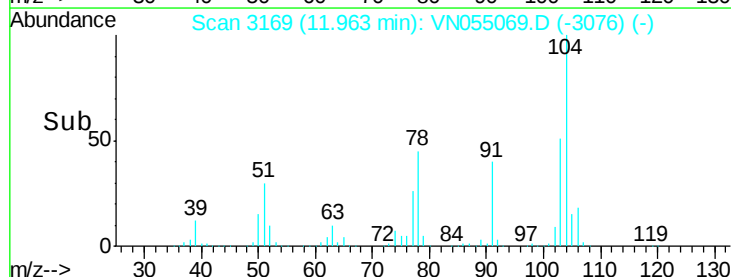
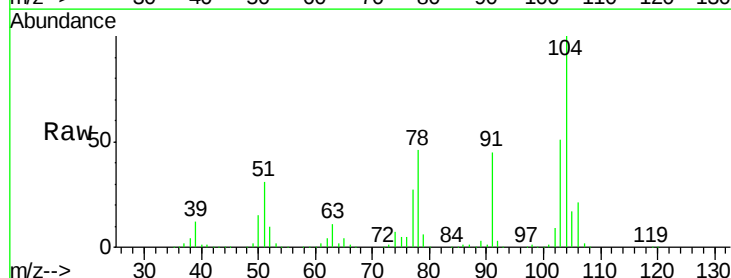
Manual Integrations
APPROVED

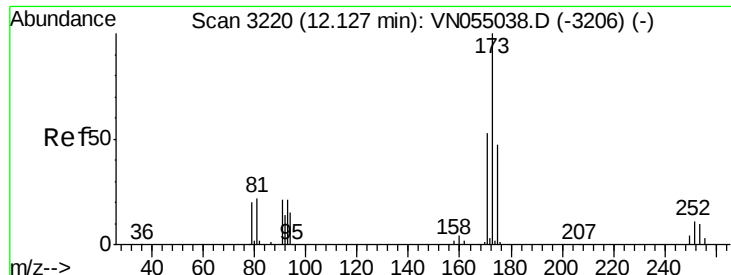
MMDadoda
4/17/2019 4:22:59 AM



#70
Styrene
Concen: 53.328 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion:104 Resp: 642947
Ion Ratio Lower Upper
104 100
78 51.7 40.3 60.5
103 55.5 44.3 66.5





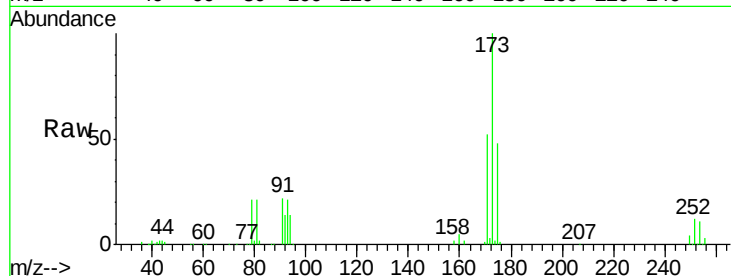
#71
Bromoform
Concen: 53.629 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

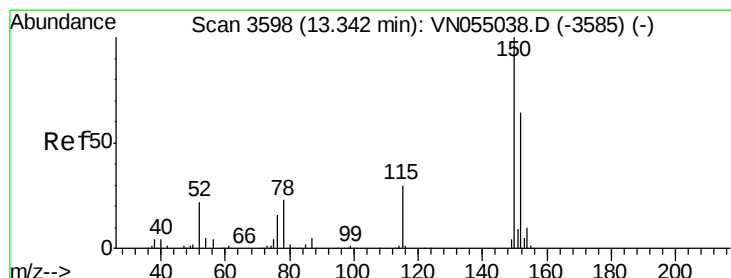
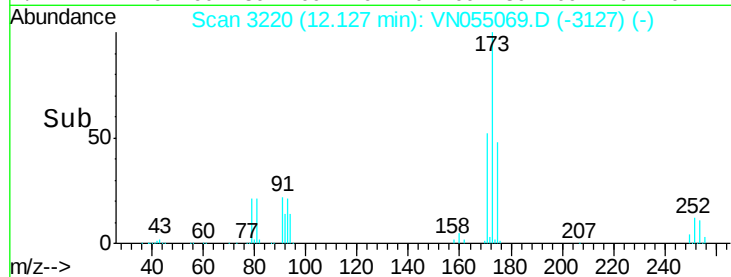
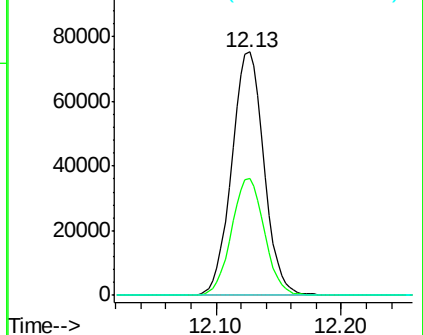
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.1	0.1	0.1#

Manual Integrations
APPROVED

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4/17/2019 4:22:59 AM

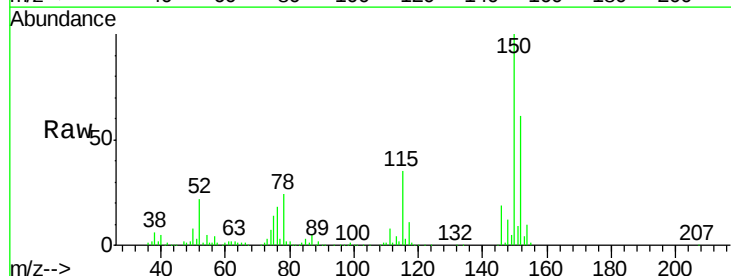


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

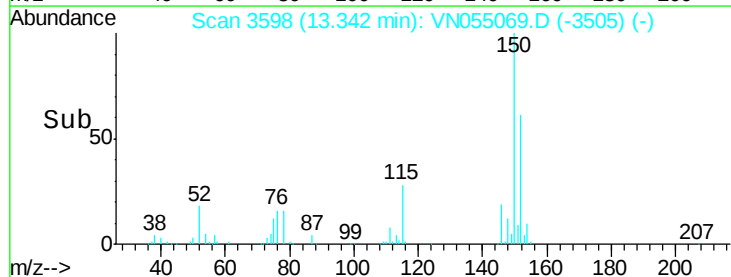
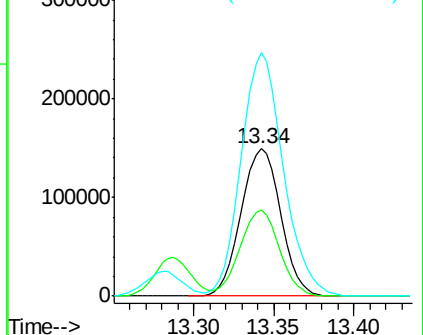


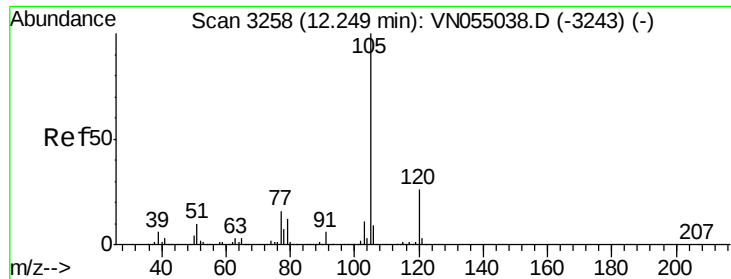
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.5	85.6
150	175.9	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.648 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1025044

Ion Ratio Lower Upper

105 100

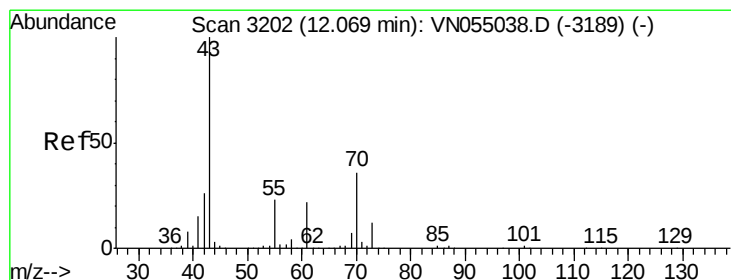
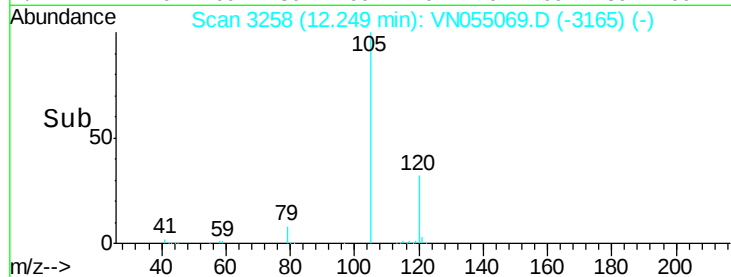
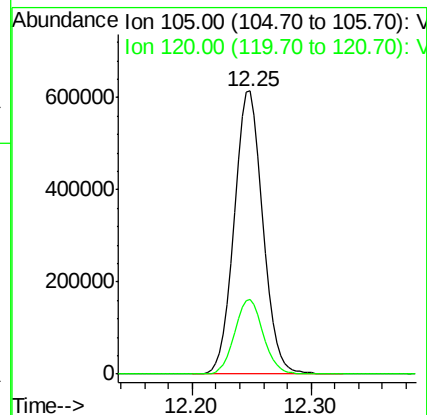
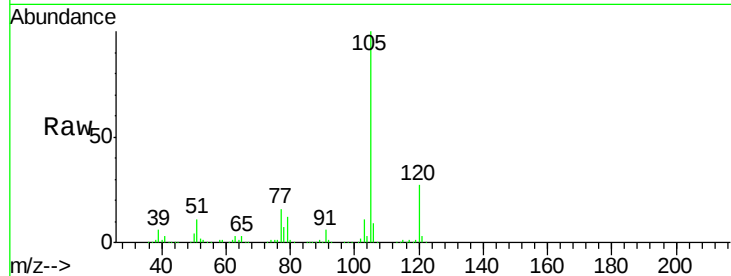
120 26.3 13.3 39.9

Manual Integrations

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4/17/2019 4:22:59 AM



#74

N-ethyl acetate

Concen: 49.216 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion: 43 Resp: 311099

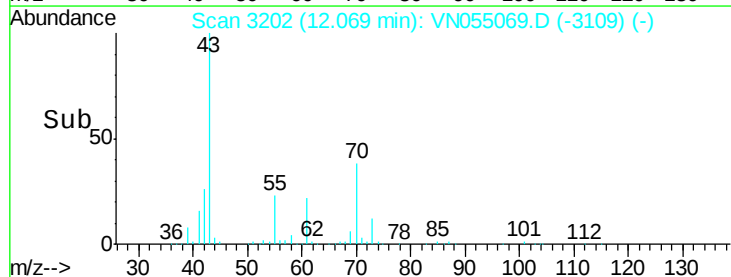
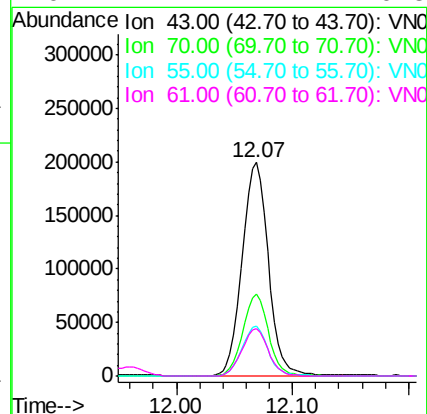
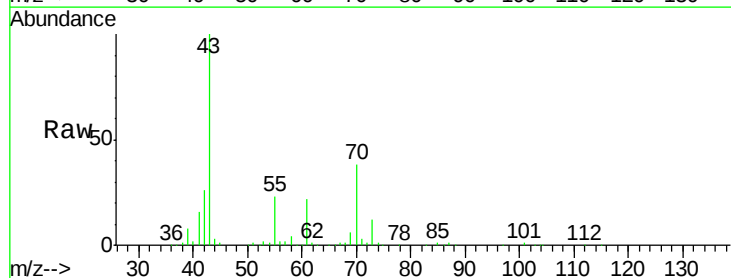
Ion Ratio Lower Upper

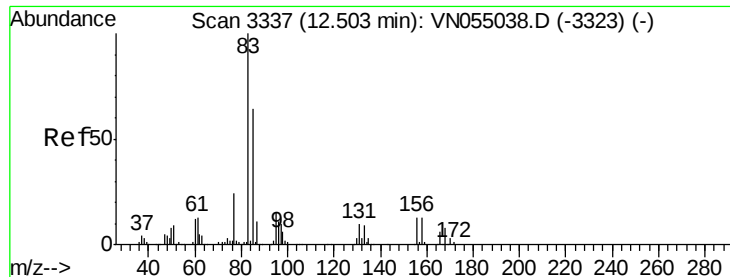
43 100

70 37.7 29.4 44.0

55 23.3 19.0 28.4

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 41.831 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

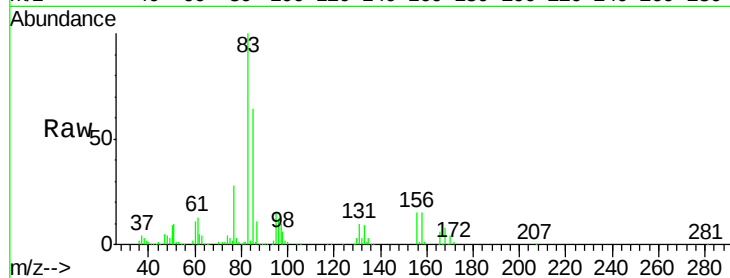
ClientSampleId :

VSTDCCC050

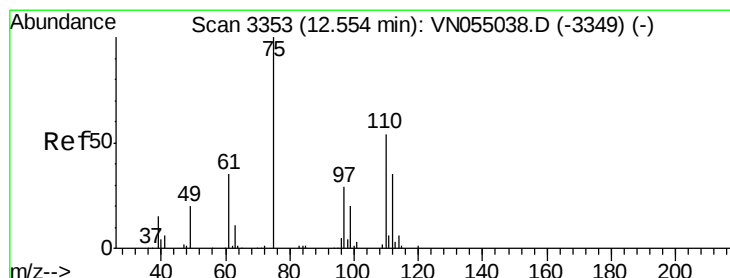
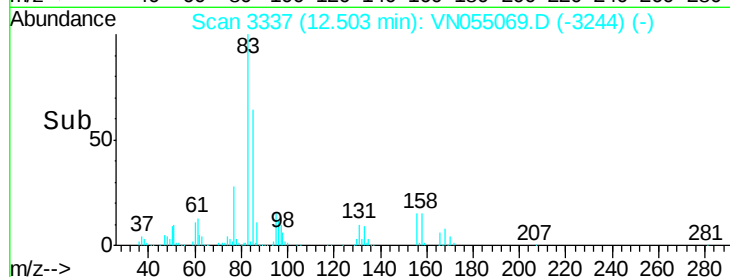
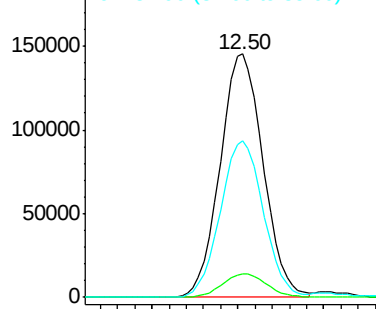
Tot Ion:	83	Resp:	251343
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	64.4	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055038.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 43.655 ug/l m

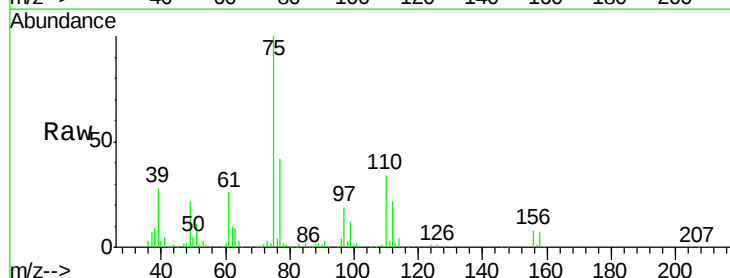
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

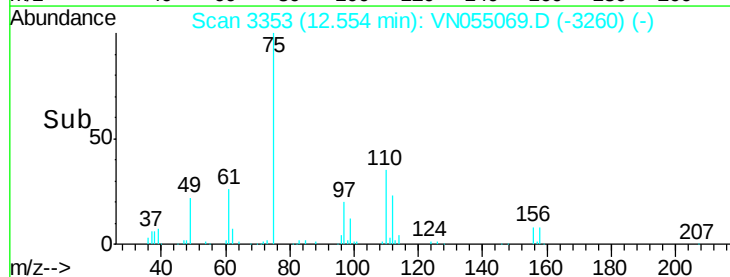
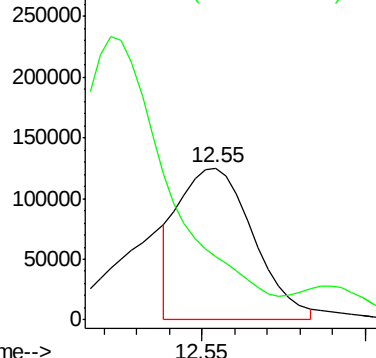
Lab File: VN055069.D

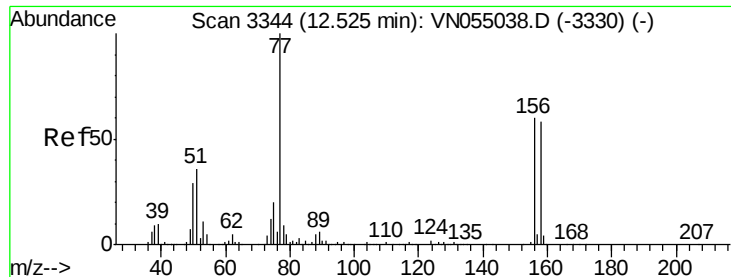
Acq: 16 Apr 2019 11:04

Tgt Ion:	75	Resp:	198654
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055038.D (-3349) (-)





#77

Bromobenzene

Concen: 44.616 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

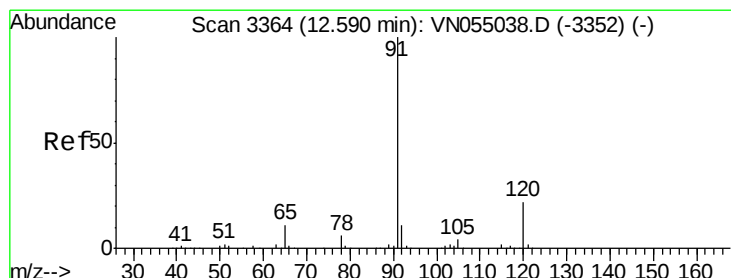
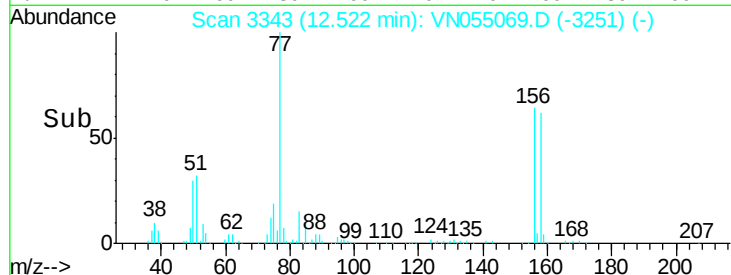
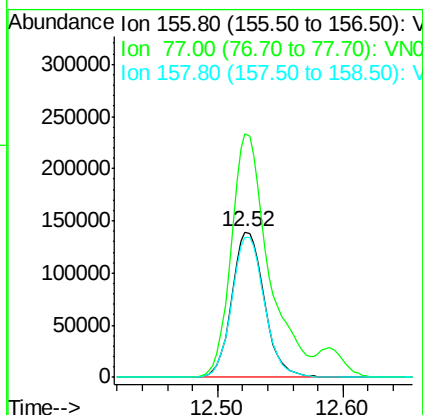
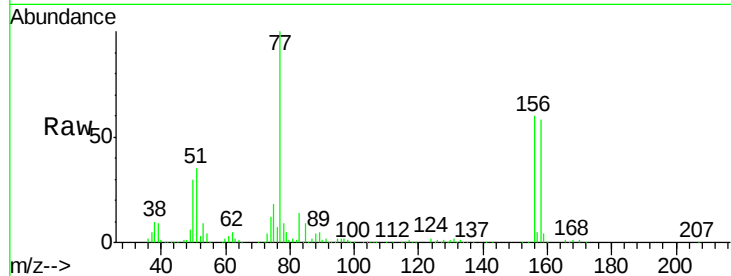
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	249767
Ion Ratio	Lower	Upper	
156	100		
77	192.5	97.2	291.5
158	97.4	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 47.598 ug/l

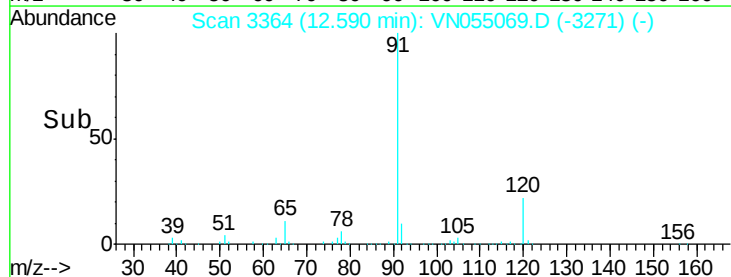
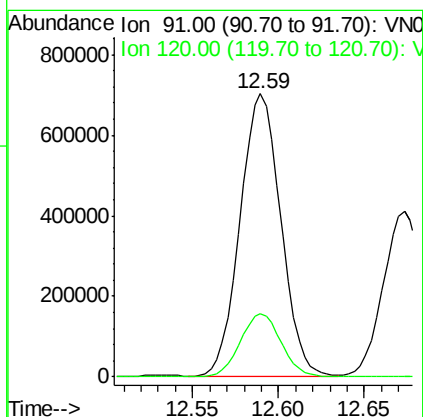
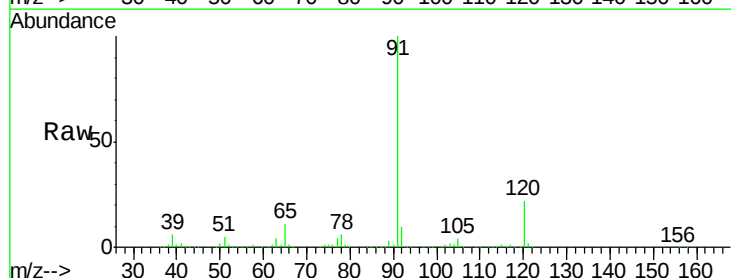
RT: 12.59 min Scan# 3364

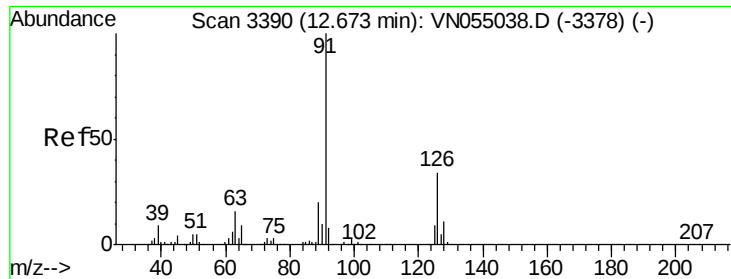
Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion:	91	Resp:	1154786
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 45.768 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 692578

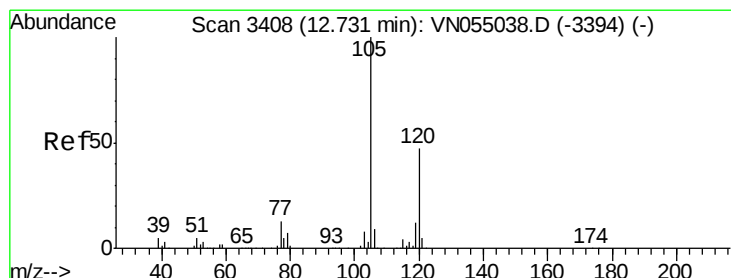
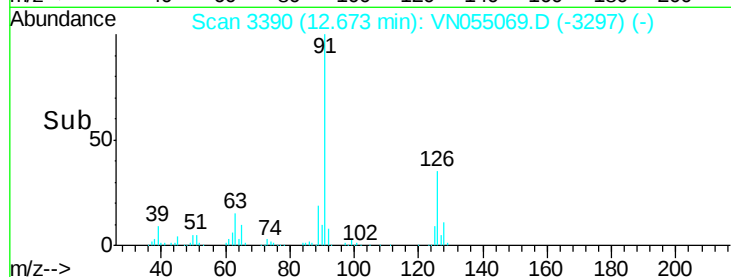
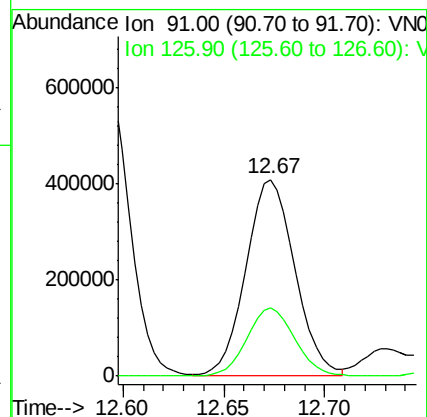
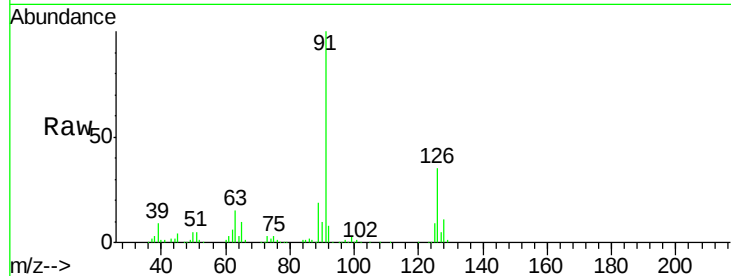
Ion Ratio Lower Upper

91 100

126 34.5 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 46.975 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055069.D

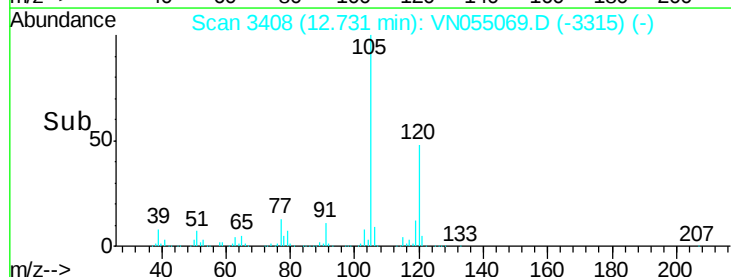
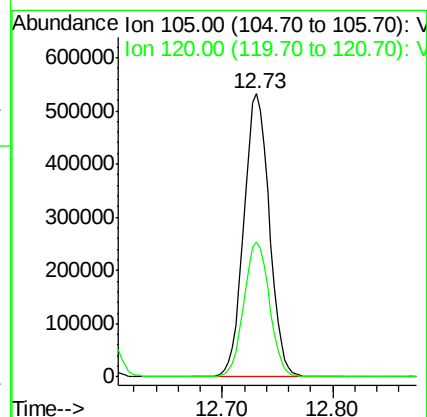
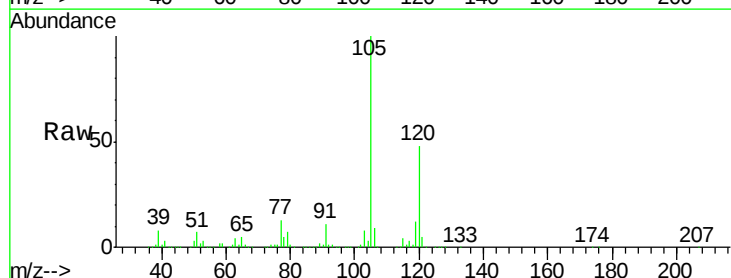
Acq: 16 Apr 2019 11:04

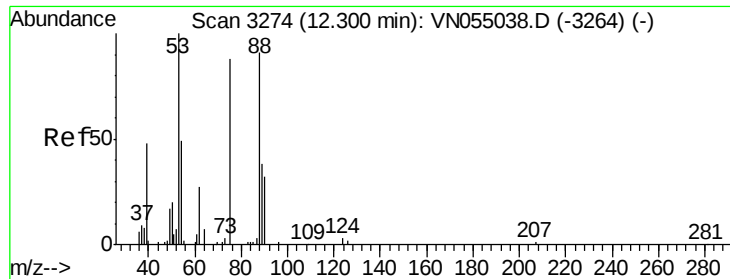
Tgt Ion: 105 Resp: 851249

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.119 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

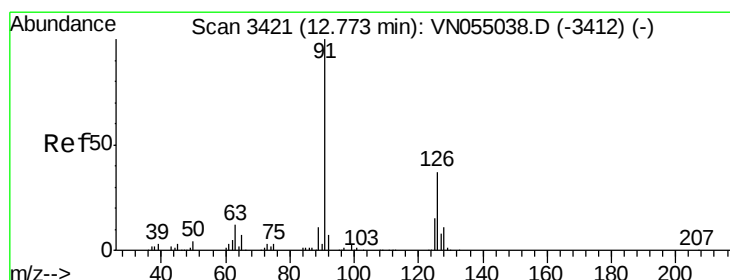
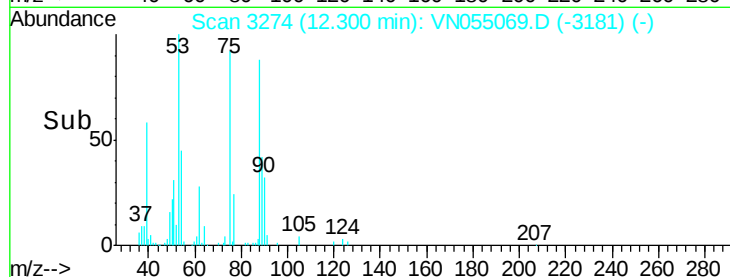
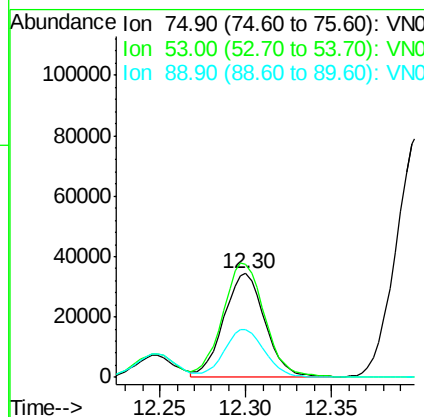
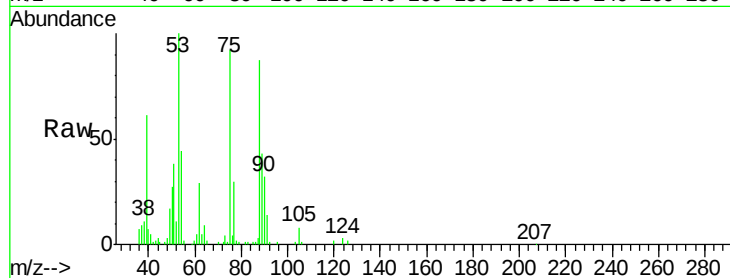
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	58171
Ion	Ratio	Lower	Upper
75	100		
53	109.8	96.3	144.5
89	45.0	38.6	57.8

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#82

4-Chlorotoluene

Concen: 48.518 ug/l

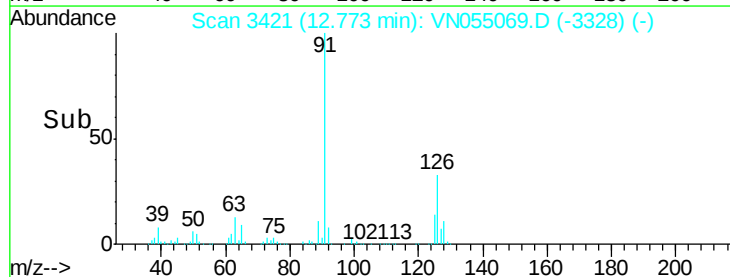
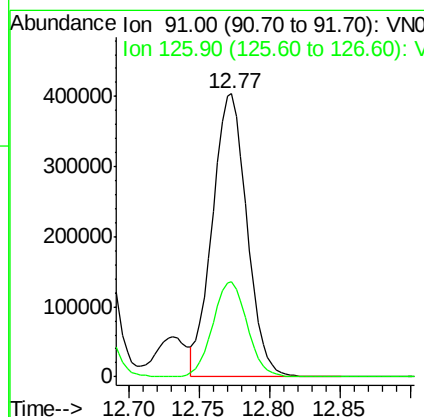
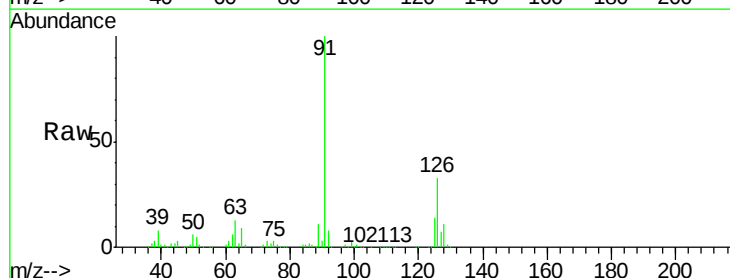
RT: 12.77 min Scan# 3421

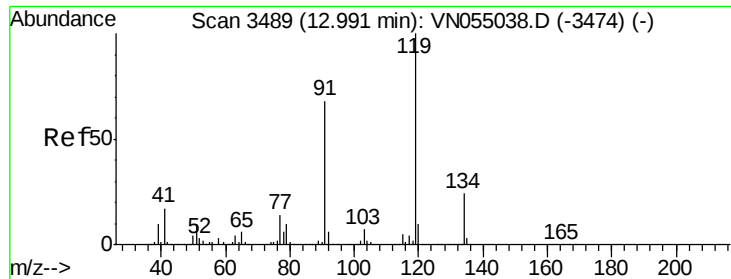
Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion:	91	Resp:	684989
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.2





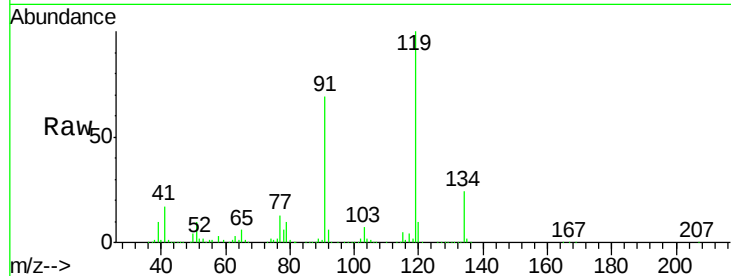
#83
tert-Butylbenzene
Concen: 46.843 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

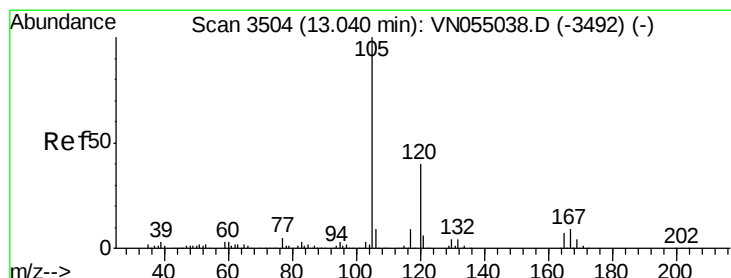
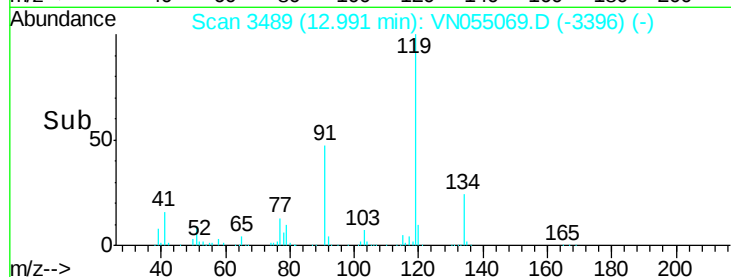
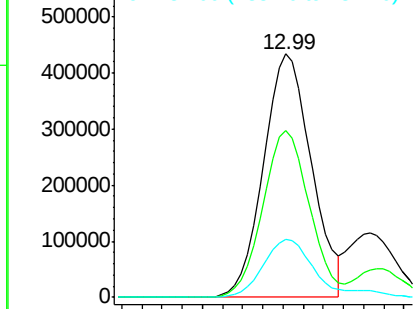
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.3	99.8
134	26.4	12.3	36.9

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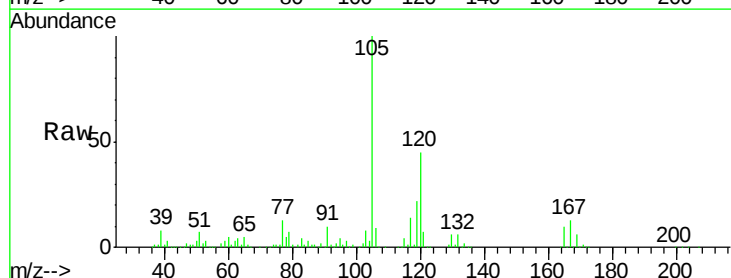


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

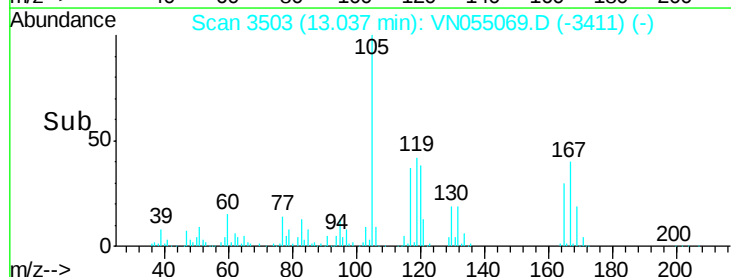
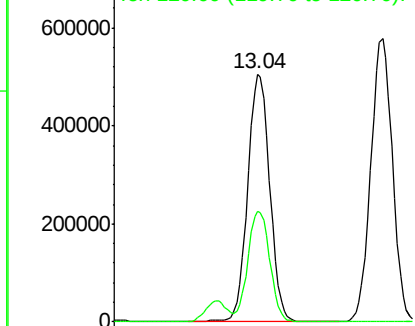


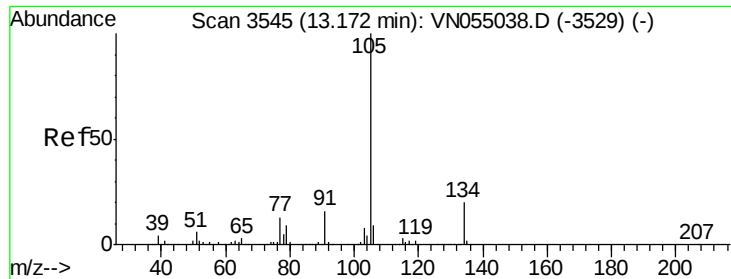
#84
1,2,4-Trimethylbenzene
Concen: 48.544 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.884 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 933772

Ion Ratio Lower Upper

105 100

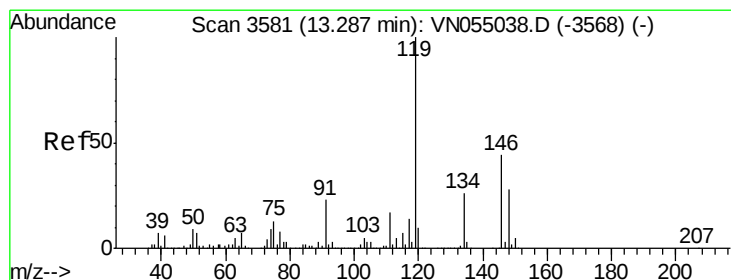
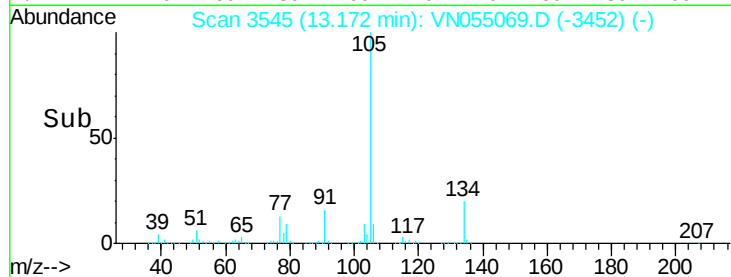
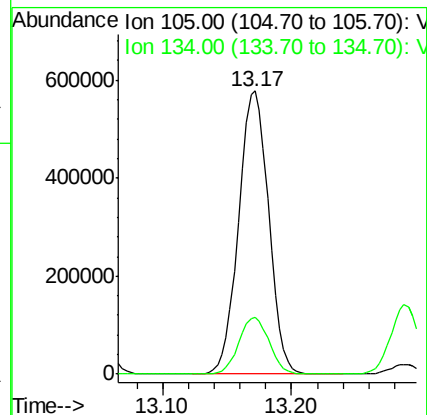
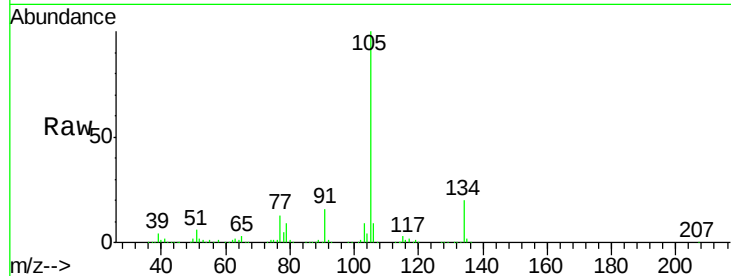
134 20.2 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 49.652 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

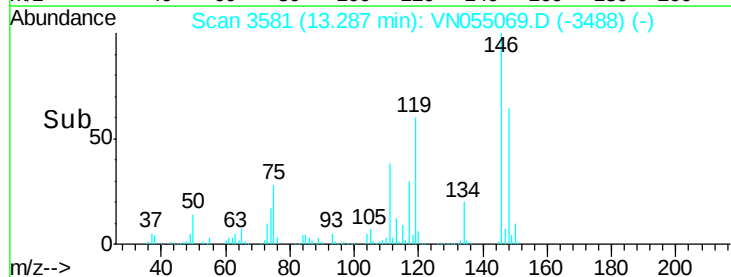
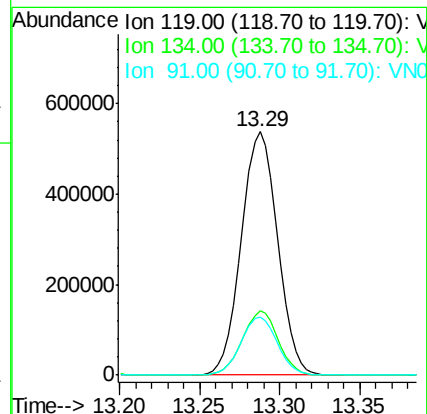
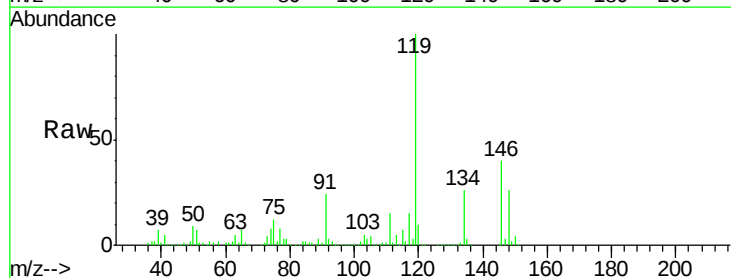
Tgt Ion:119 Resp: 830690

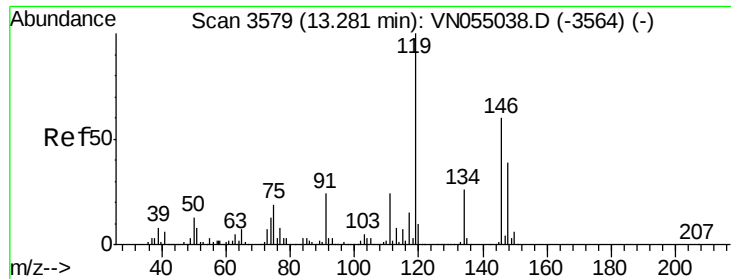
Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

91 23.8 11.7 35.1





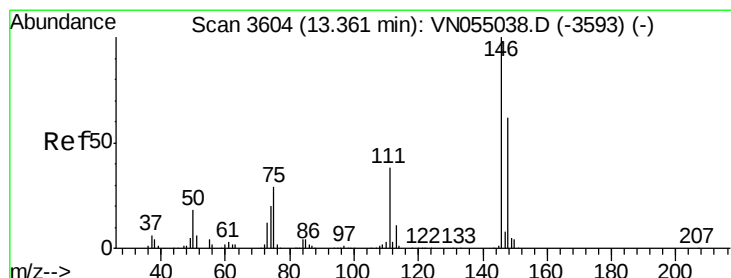
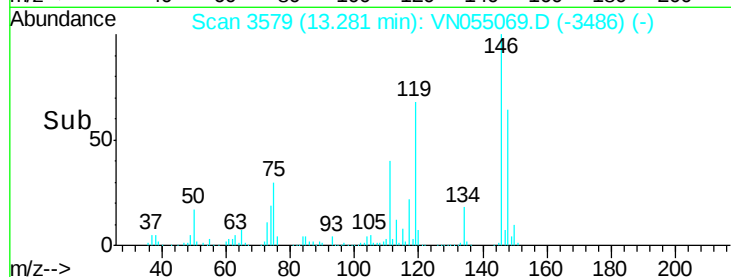
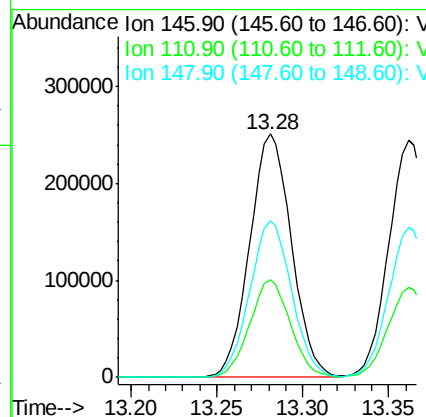
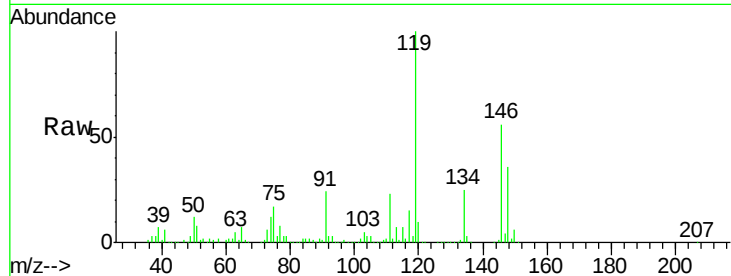
#87
 1,3-Dichlorobenzene
 Concen: 49.698 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	64.5	31.6	94.7

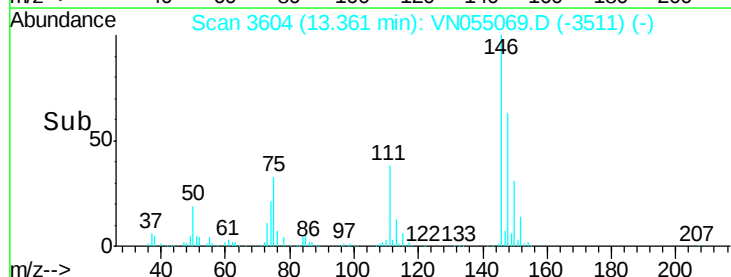
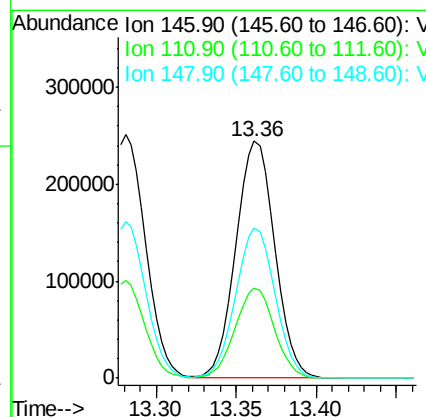
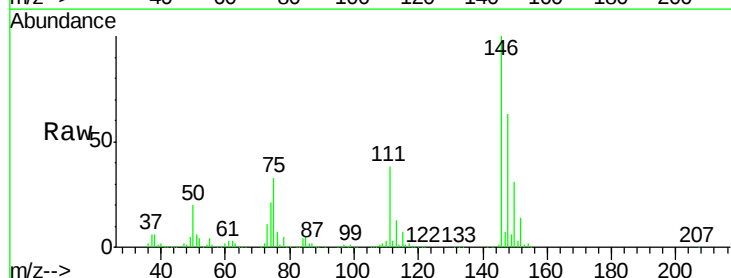
Manual Integrations
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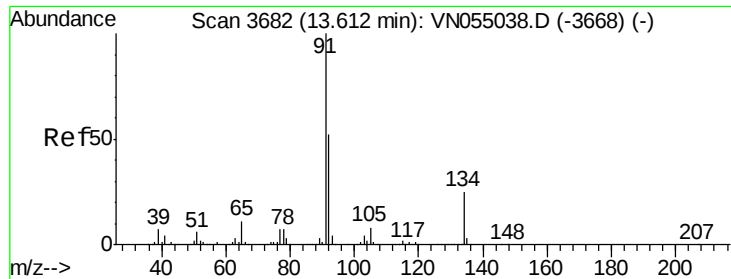
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#88
 1,4-Dichlorobenzene
 Concen: 49.914 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.4
148	64.0	32.4	97.2





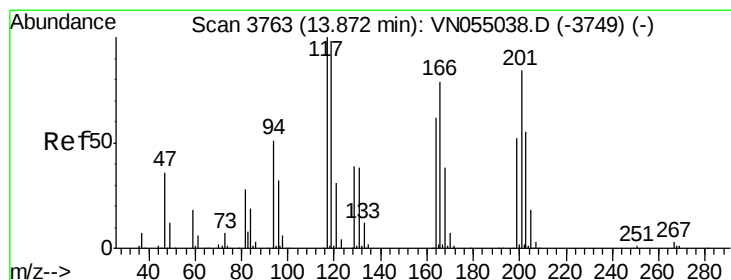
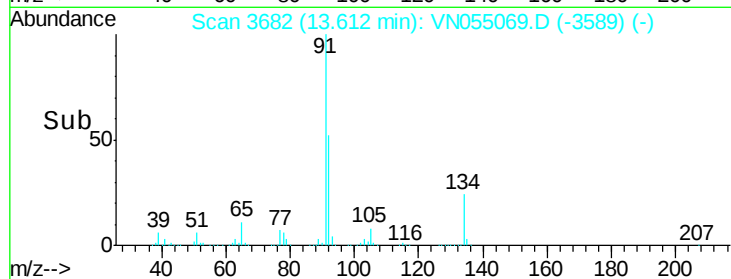
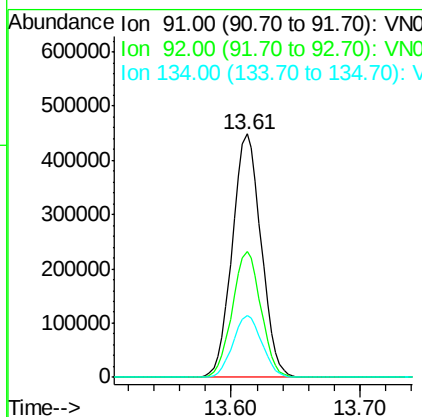
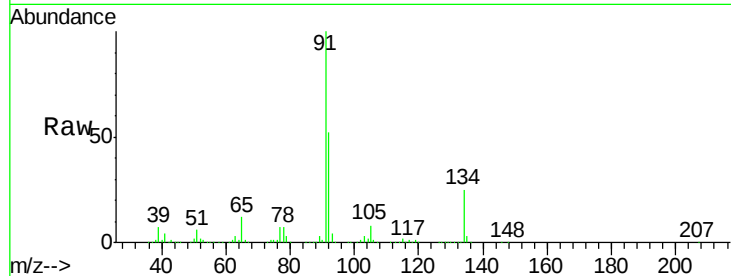
#89
n-Butylbenzene
Concen: 56.058 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.7
134	25.6	12.8	38.3

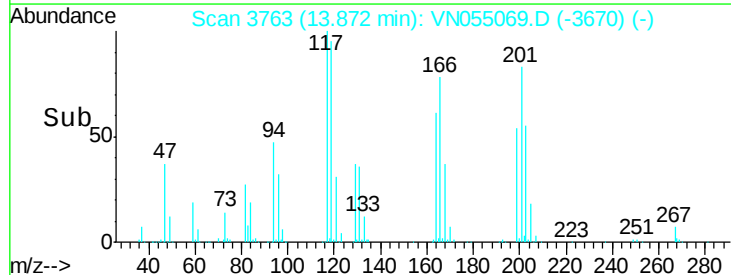
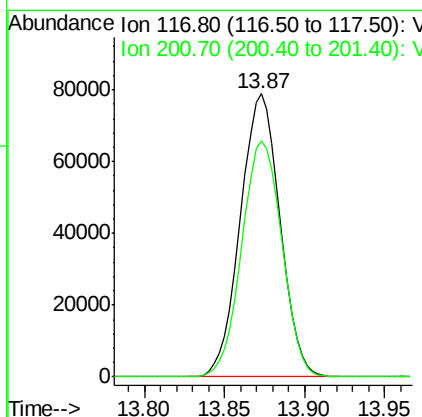
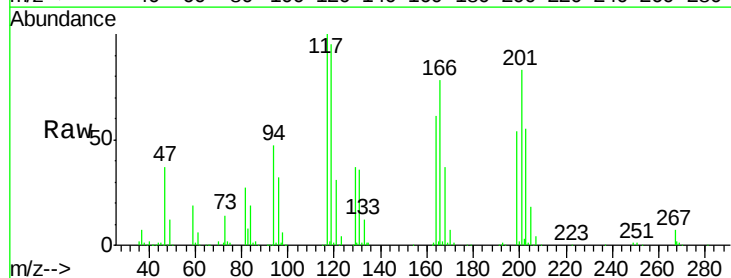
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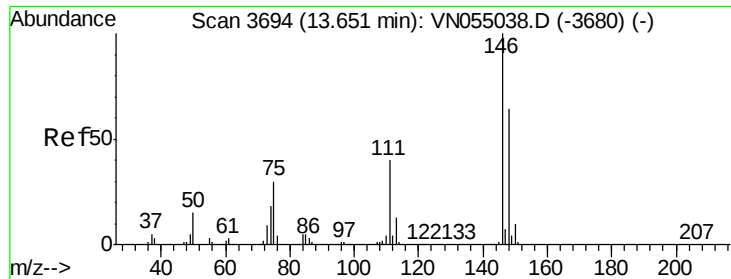
MMDadoda
4/17/2019 4:22:59 AM



#90
Hexachloroethane
Concen: 49.074 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055069.D
Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	43.4	130.2





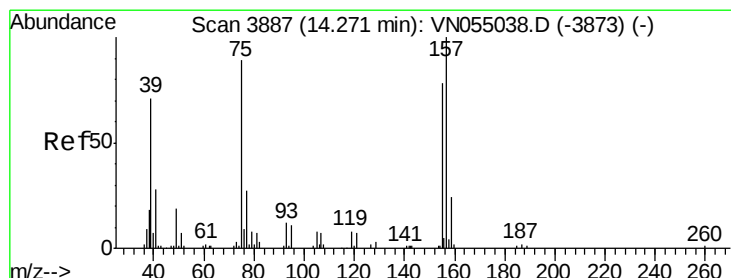
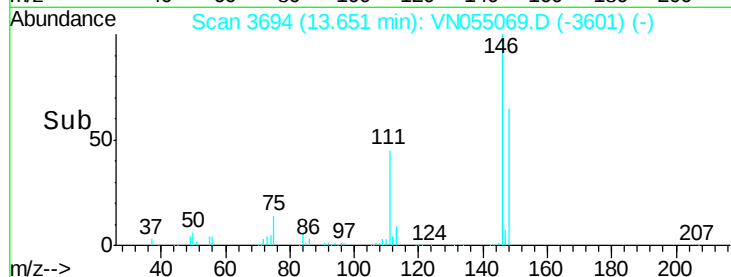
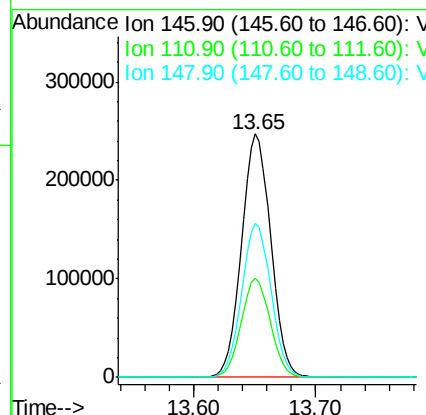
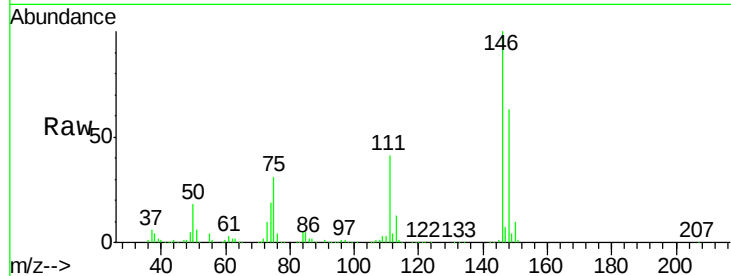
#91
 1,2-Dichlorobenzene
 Concen: 47.769 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.9
148	63.7	32.2	96.6

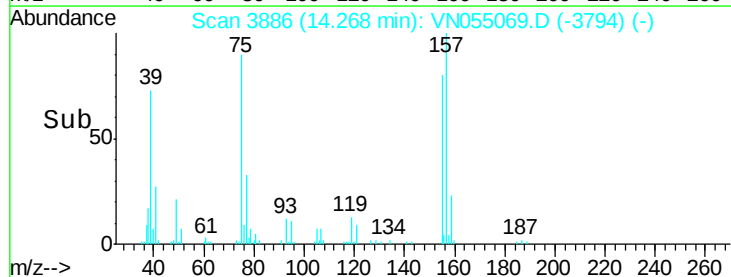
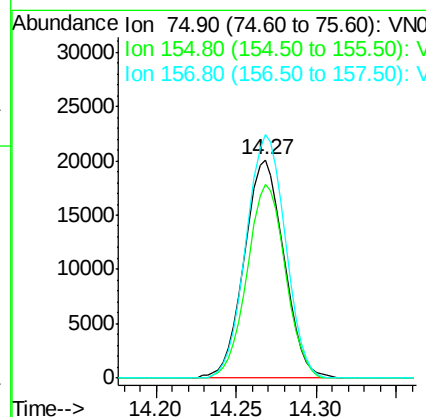
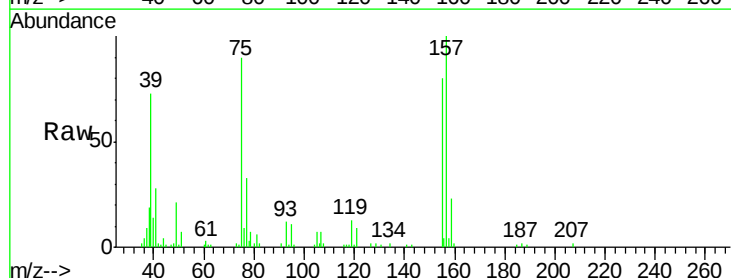
Manual Integrations
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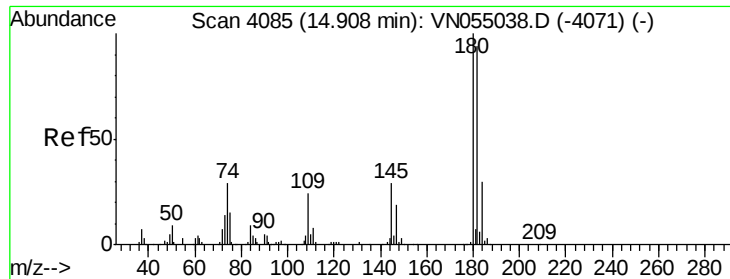
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 4/17/2019 4:22:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.865 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	42.0	126.0
157	110.5	52.1	156.4





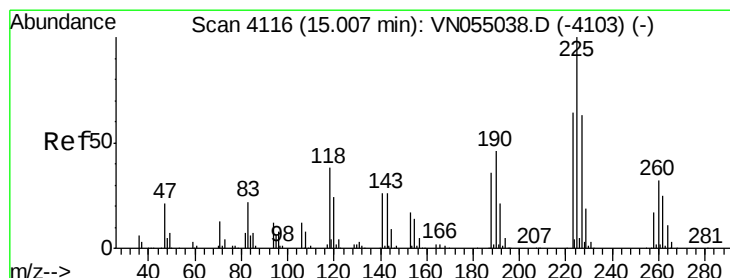
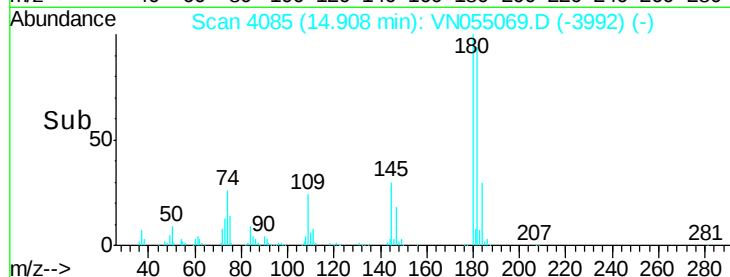
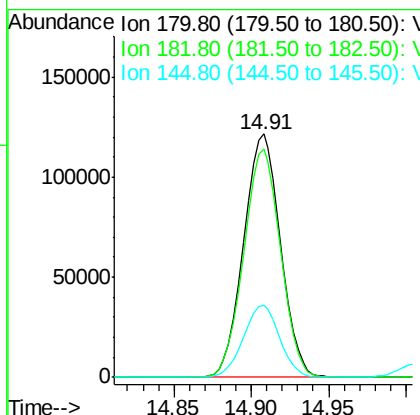
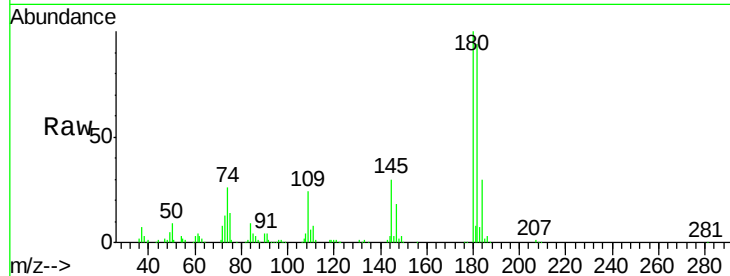
#93
 1,2,4-Trichlorobenzene
 Concen: 51.794 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201401		
182	93.7	47.5	142.6	
145	29.1	14.2	42.8	

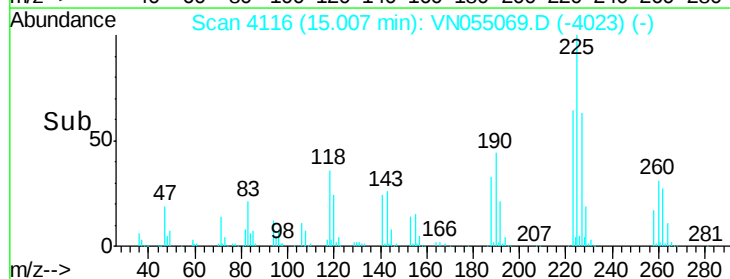
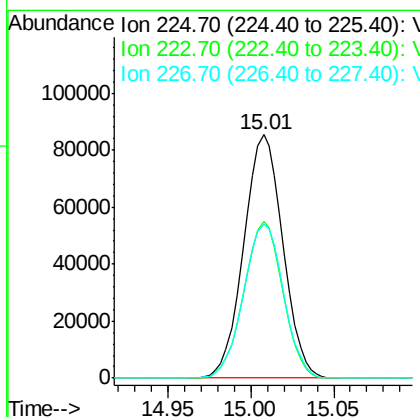
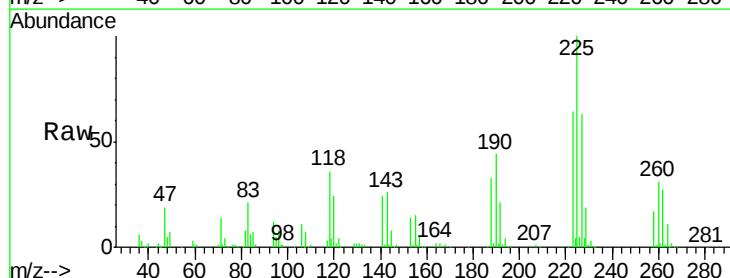
Manual Integrations
 APPROVED

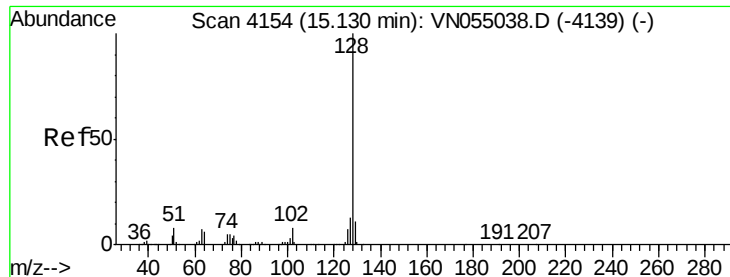
MMDadoda
 4/17/2019 4:22:59 AM



#94
 Hexachlorobutadiene
 Concen: 53.146 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055069.D
 Acq: 16 Apr 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	140535		
223	64.1	31.4	94.0	
227	64.5	32.6	97.7	





#95

Naphthalene

Concen: 45.079 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA_N

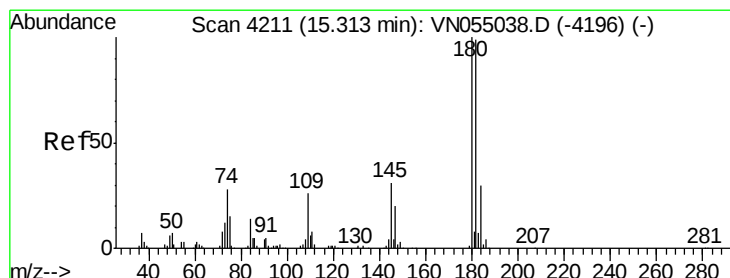
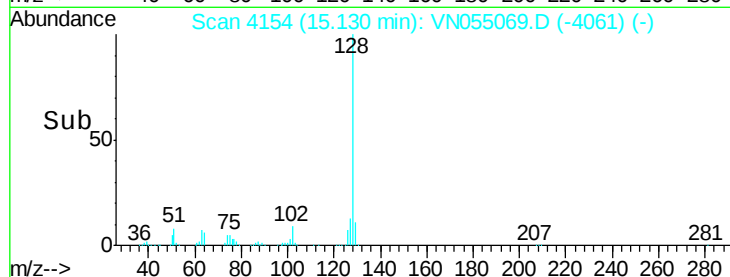
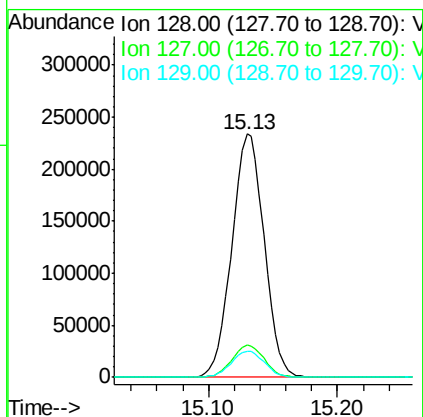
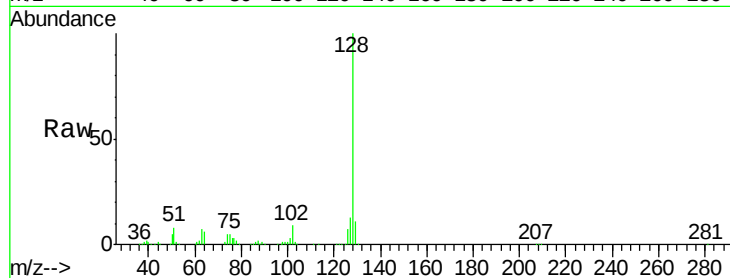
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	406340
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:22:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 60.324 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion:	180	Resp:	199237
Ion Ratio	Lower	Upper	
180	100		
182	93.3	48.0	144.0
145	30.8	15.3	45.9

