

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055089.D
 Acq On : 16 Apr 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:23:12 AM

Quant Time: Apr 17 03:31:17 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	399868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	666312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	259748	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	7.59	113	212706	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.09	98	788757	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	266559	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	217406	47.841	ug/l	99
3) Chloromethane	2.06	50	284737	48.040	ug/l	98
4) Vinyl Chloride	2.19	62	235143	47.200	ug/l	100
5) Bromomethane	2.55	94	130729	46.385	ug/l	95
6) Chloroethane	2.70	64	132316	49.250	ug/l	98
7) Trichlorofluoromethane	3.02	101	300504	48.231	ug/l	100
8) Diethyl Ether	3.41	74	95840	48.189	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154419	47.359	ug/l	99
10) Methyl Iodide	3.94	142	295071	58.316	ug/l	94
11) Tert butyl alcohol	4.82	59	75074	257.679	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	147552	46.491	ug/l	98
13) Acrolein	3.61	56	96147	266.985	ug/l	98
14) Allyl chloride	4.32	41	377870	48.640	ug/l	100
15) Acrylonitrile	4.99	53	434076	249.021	ug/l	99
16) Acetone	3.82	43	293483	203.433	ug/l	99
17) Carbon Disulfide	4.04	76	465407	45.427	ug/l	100
18) Methyl Acetate	4.33	43	210153	50.548	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	573768	50.538	ug/l	100
20) Methylene Chloride	4.54	84	236173	46.570	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	207978	48.451	ug/l	92
22) Diisopropyl ether	5.96	45	820786	51.395	ug/l	98
23) Vinyl Acetate	5.90	43	2853976	270.363	ug/l	99
24) 1,1-Dichloroethane	5.85	63	426344	50.132	ug/l	98
25) 2-Butanone	6.85	43	527831	245.145	ug/l	99
26) 2,2-Dichloropropane	6.82	77	271118	50.509	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	244569	50.361	ug/l	100
28) Bromochloromethane	7.19	49	199664	48.704	ug/l	100
29) Tetrahydrofuran	7.22	42	352351	249.547	ug/l	99
30) Chloroform	7.37	83	408029	49.393	ug/l	96
31) Cyclohexane	7.65	56	386098	51.385	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	336285	51.382	ug/l	99
36) 1,1-Dichloropropene	7.79	75	296792	47.251	ug/l	99
37) Ethyl Acetate	6.93	43	228293	44.644	ug/l	99
38) Carbon Tetrachloride	7.77	117	280544	46.945	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	323180	47.481	ug/l	100
40) Benzene	8.04	78	917806	48.482	ug/l	100
41) Methacrylonitrile	7.18	41	130346	45.919	ug/l	99
42) 1,2-Dichloroethane	8.12	62	315530	48.006	ug/l	100
43) Isopropyl Acetate	8.17	43	395722	50.222	ug/l	99
44) Trichloroethene	8.83	130	232644	49.063	ug/l	99
45) 1,2-Dichloropropane	9.12	63	262690	49.756	ug/l	100
46) Dibromomethane	9.21	93	145655	48.470	ug/l	98
47) Bromodichloromethane	9.40	83	306796	49.518	ug/l	99
48) Methyl methacrylate	9.20	41	197875	50.666	ug/l	99
49) 1,4-Dioxane	9.20	88	40926	1118.506	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1130899	248.432	ug/l	99
52) Toluene	10.16	92	540574	49.857	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	292161	53.960	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	355230	52.861	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	202564	48.491	ug/l	99
56) Ethyl methacrylate	10.43	69	274395	54.733	ug/l	99
57) 1,3-Dichloropropane	10.71	76	361026	50.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	501932	228.893	ug/l	97
59) 2-Hexanone	10.75	43	696281	243.525	ug/l	99
60) Dibromochloromethane	10.90	129	212671	52.136	ug/l	100
61) 1,2-Dibromoethane	11.00	107	196210	51.031	ug/l	98
64) Tetrachloroethene	10.63	164	217679	45.738	ug/l	98
65) Chlorobenzene	11.43	112	570448	48.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	212610	49.068	ug/l	100
67) Ethyl Benzene	11.51	91	1032259	49.065	ug/l	99
68) m/p-Xylenes	11.62	106	759239	99.658	ug/l	99
69) o-Xylene	11.95	106	374178	50.709	ug/l	100
70) Styrene	11.96	104	627563	52.541	ug/l	99
71) Bromoform	12.13	173	131101	52.787	ug/l #	98
73) Isopropylbenzene	12.25	105	983288	44.374	ug/l	100
74) N-amyl acetate	12.07	43	313839	50.313	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	252401	42.568	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	201369m	44.843	ug/l	
77) Bromobenzene	12.53	156	245401	44.422	ug/l	99
78) n-propylbenzene	12.59	91	1084225	45.287	ug/l	99
79) 2-Chlorotoluene	12.67	91	672640	45.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	809329	45.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56239	50.082	ug/l	91
82) 4-Chlorotoluene	12.77	91	647002	46.440	ug/l	98
83) tert-Butylbenzene	12.99	119	690798	45.742	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	790989	46.675	ug/l	100
85) sec-Butylbenzene	13.17	105	877865	45.619	ug/l	99
86) p-Isopropyltoluene	13.29	119	773451	46.849	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399209	47.543	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	389377	48.628	ug/l	99
89) n-Butylbenzene	13.61	91	630092	51.411	ug/l	99
90) Hexachloroethane	13.87	117	124027	46.170	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	394420	46.686	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34418	47.139	ug/l	96

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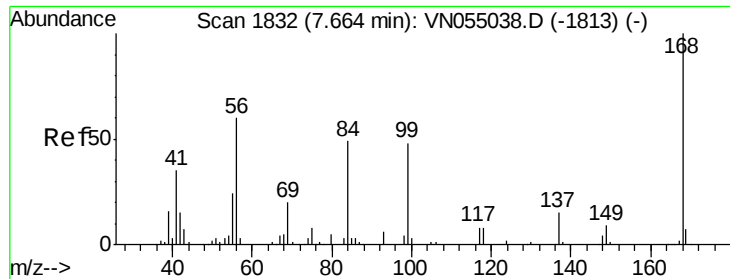
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181039	47.418	ug/l	99
94) Hexachlorobutadiene	15.01	225	124584	47.744	ug/l	99
95) Naphthalene	15.13	128	394301	44.379	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	182050	55.857	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 399868

Ion Ratio Lower Upper

168 100

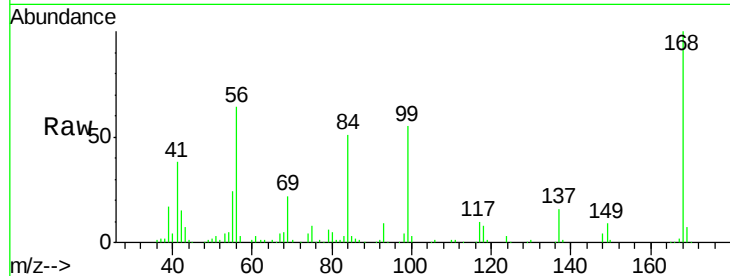
99 53.9 41.9 62.9

Manual Integrations

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4/17/2019 4:23:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

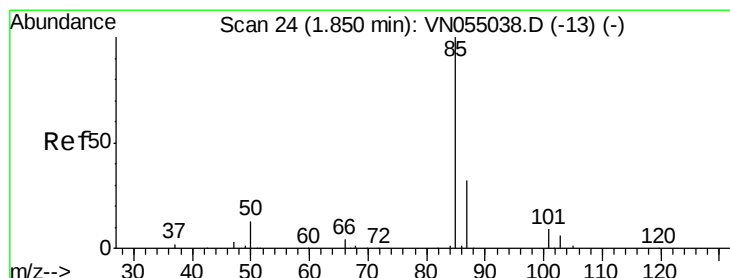
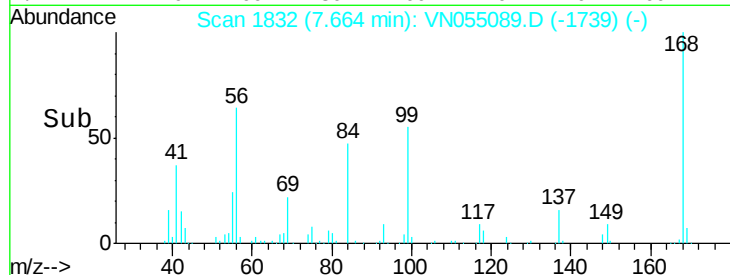
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50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 47.841 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055089.D

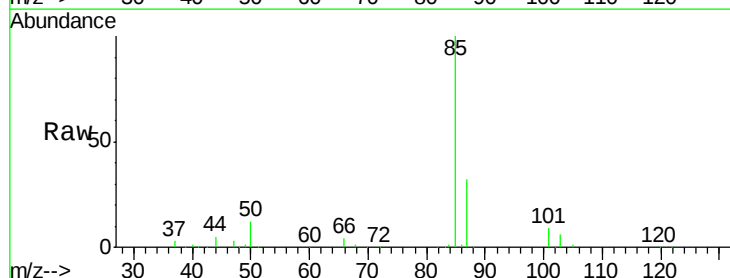
Acq: 16 Apr 2019 19:57

Tgt Ion: 85 Resp: 217406

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

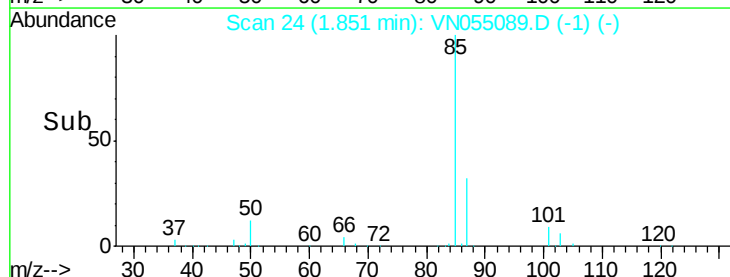
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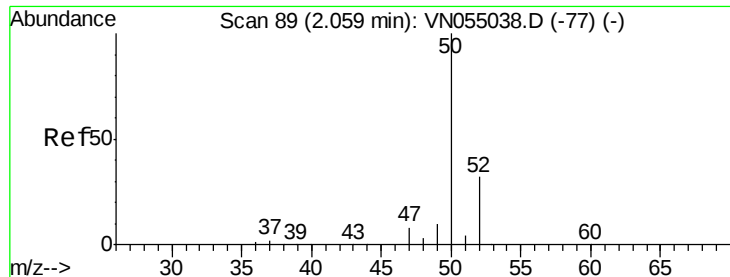
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.040 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 284737

Ion Ratio Lower Upper

50 100

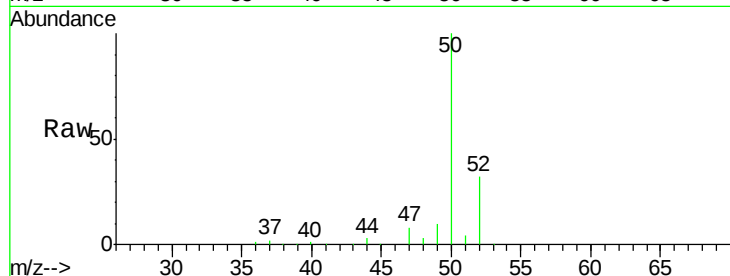
52 32.1 26.6 40.0

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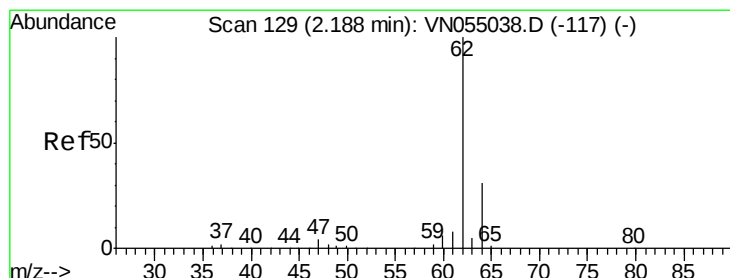
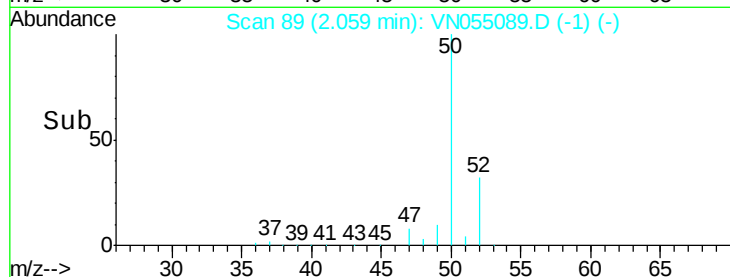
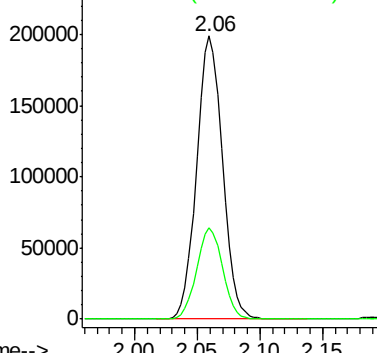
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.200 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055089.D

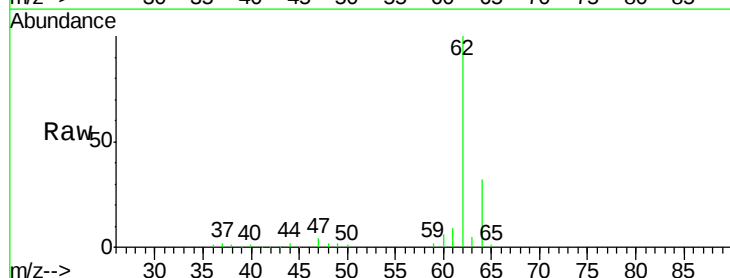
Acq: 16 Apr 2019 19:57

Tgt Ion: 62 Resp: 235143

Ion Ratio Lower Upper

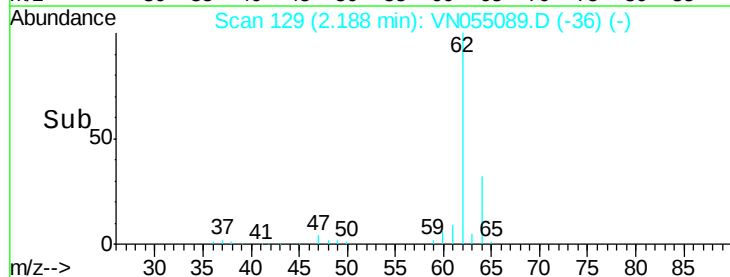
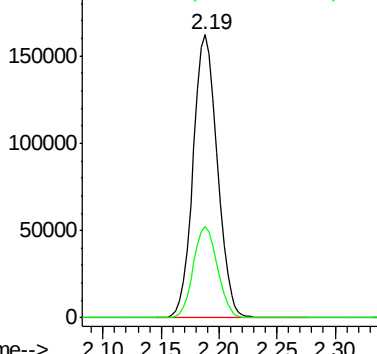
62 100

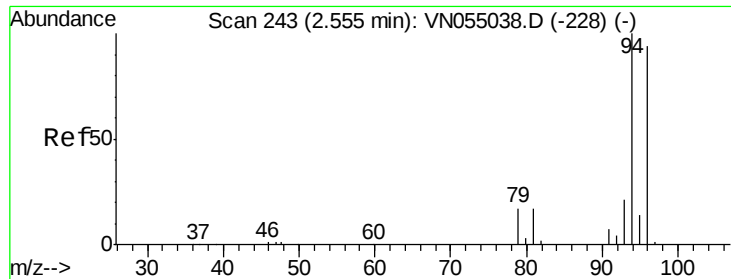
64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.385 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Tot Ion: 94 Resp: 130729

Ion Ratio Lower Upper

94 100

96 90.5 76.2 114.4

Instrument :

MSVOA_N

ClientSampleId :

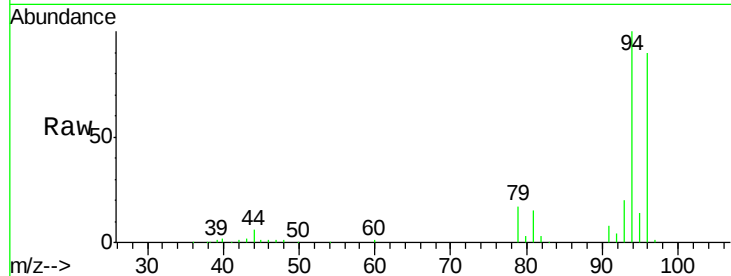
VSTDCCC050EC

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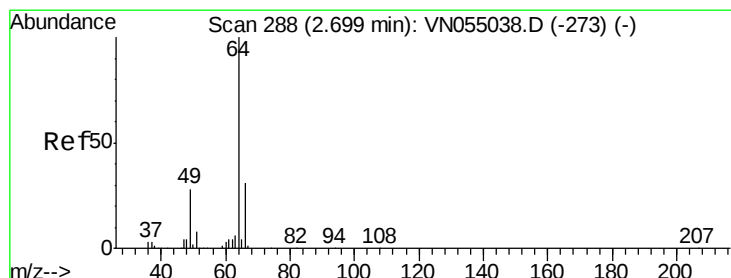
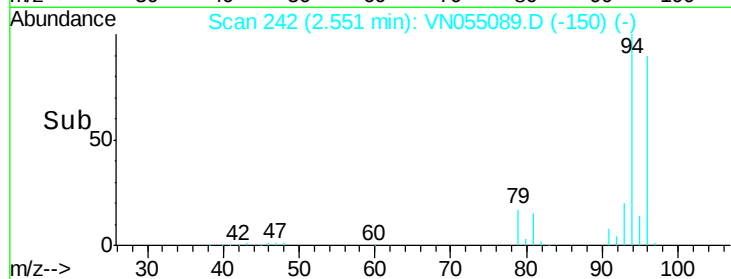
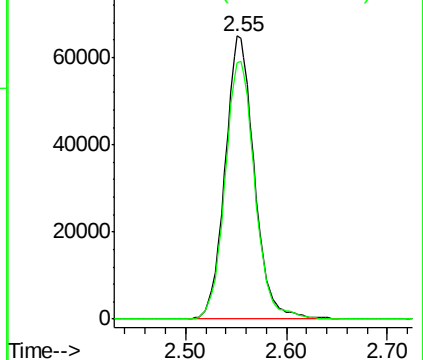
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 49.250 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055089.D

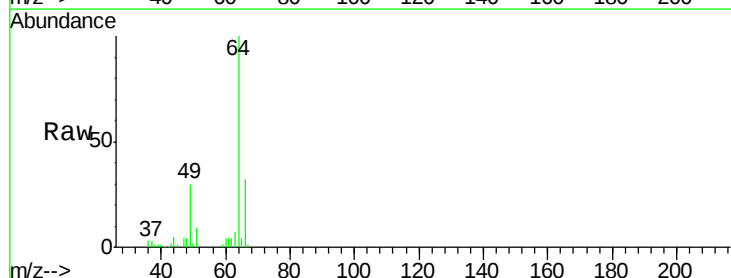
Acq: 16 Apr 2019 19:57

Tgt Ion: 64 Resp: 132316

Ion Ratio Lower Upper

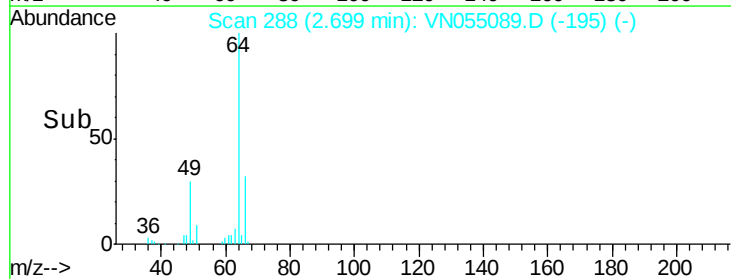
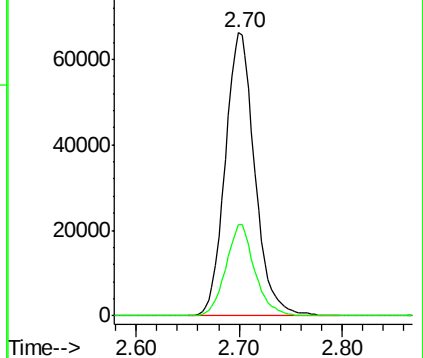
64 100

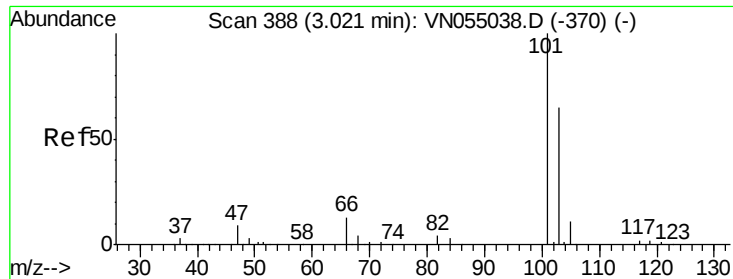
66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

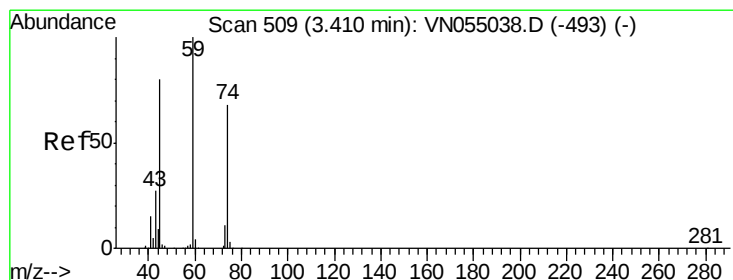
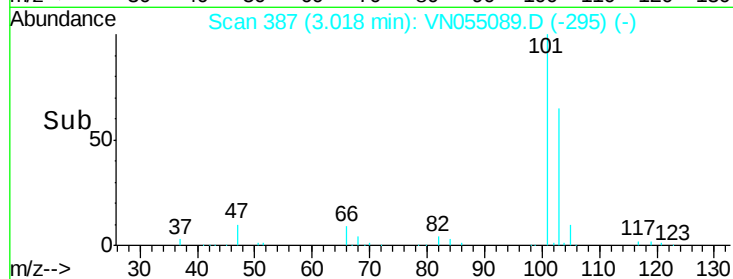
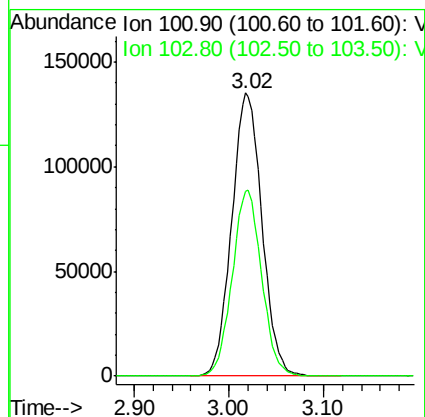
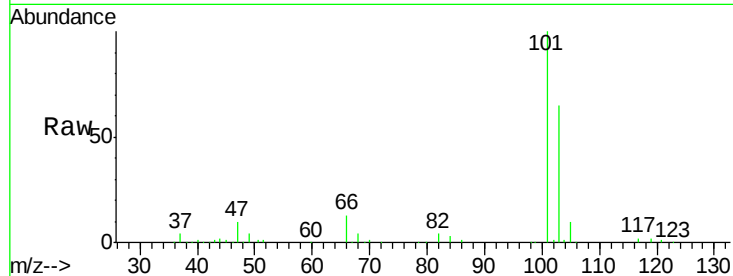
Trichlorofluoromethane
Concen: 48.231 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 300504
Ion Ratio Lower Upper
101 100
103 65.4 52.5 78.7

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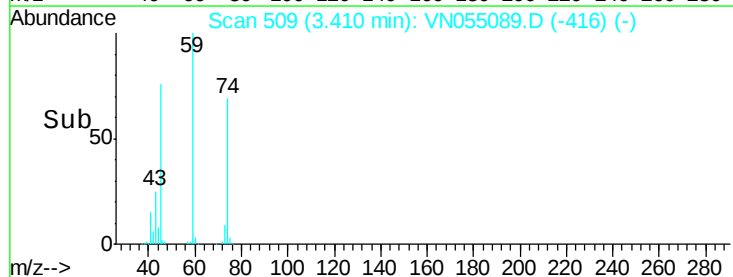
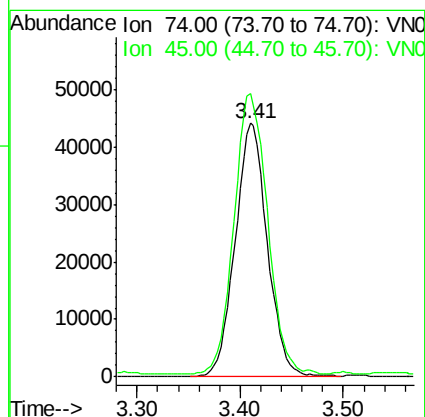
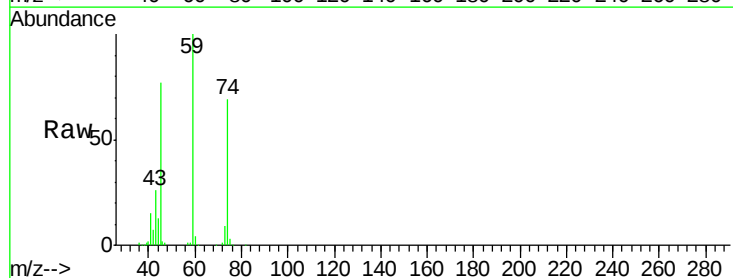
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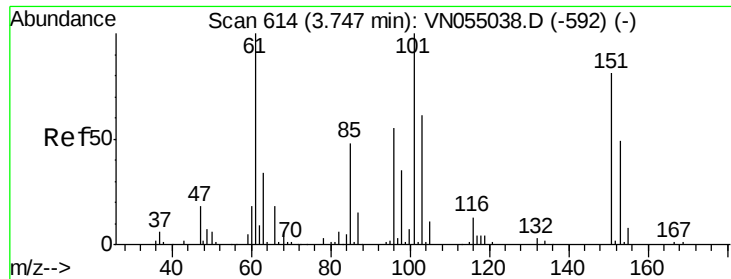


#8

Diethyl Ether
Concen: 48.189 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion: 74 Resp: 95840
Ion Ratio Lower Upper
74 100
45 115.4 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.359 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

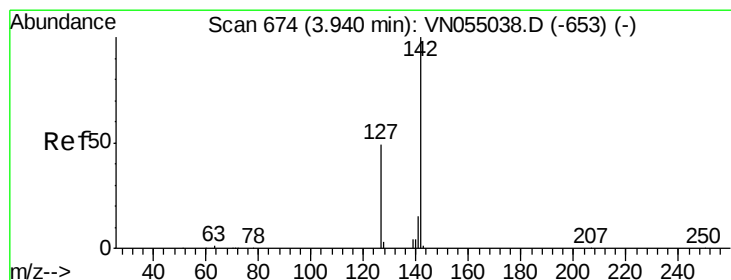
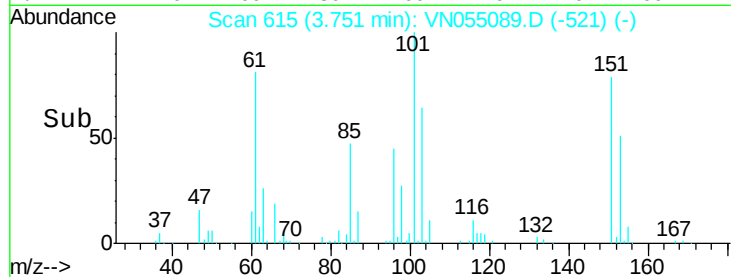
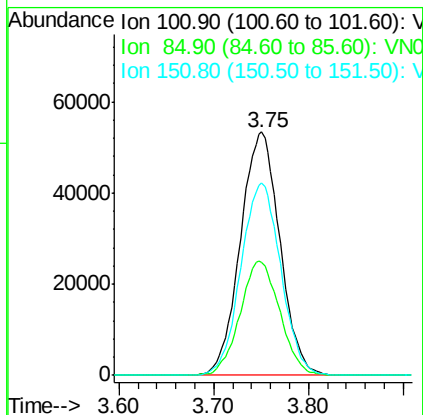
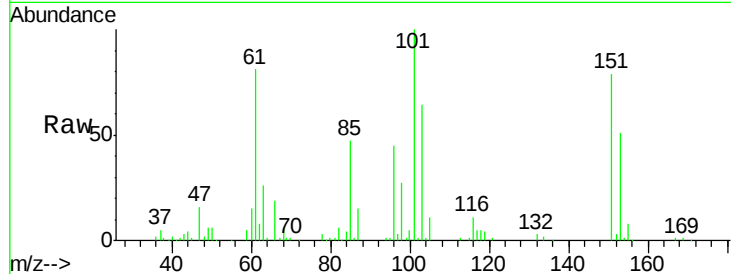
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	154419
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.9	55.3
151	79.9	64.4	96.6

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#10

Methyl Iodide

Concen: 58.316 ug/l

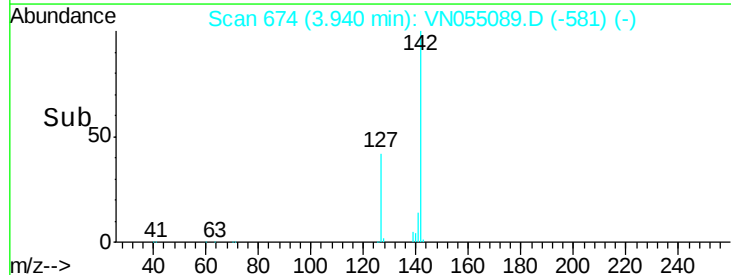
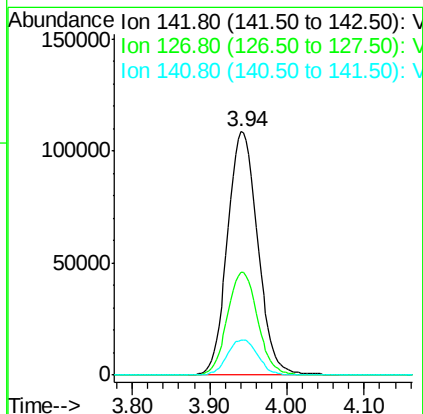
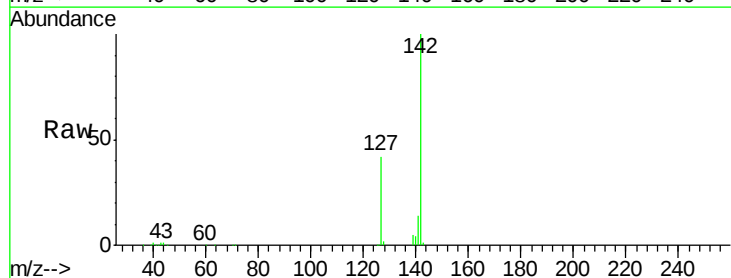
RT: 3.94 min Scan# 674

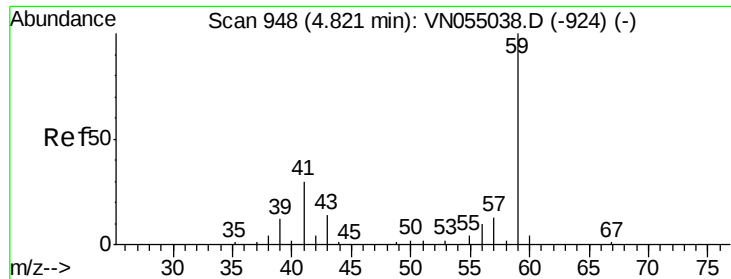
Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Tgt Ion:	142	Resp:	295071
Ion Ratio	Lower	Upper	
142	100		
127	42.3	37.9	56.9
141	14.6	11.8	17.8





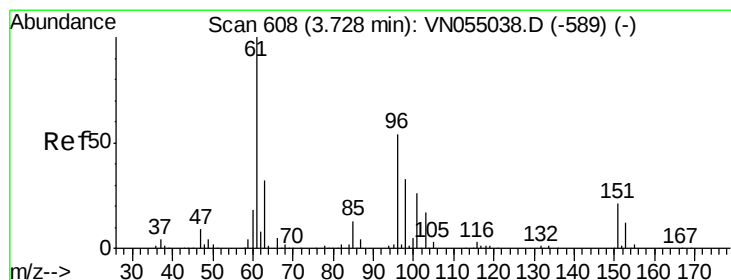
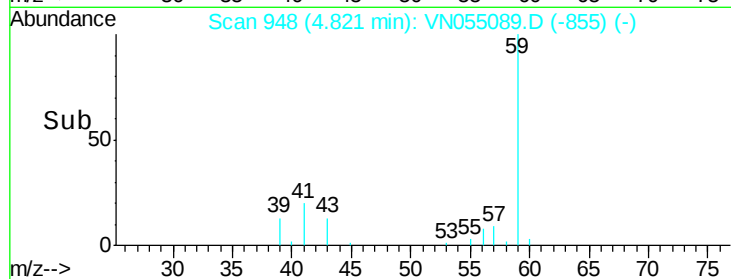
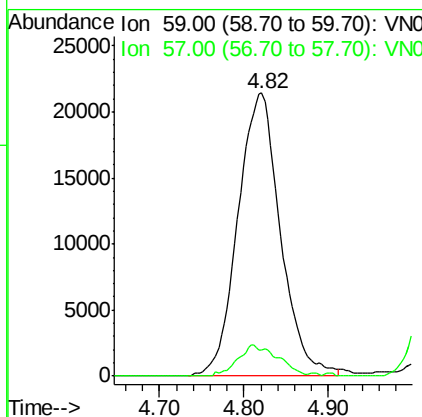
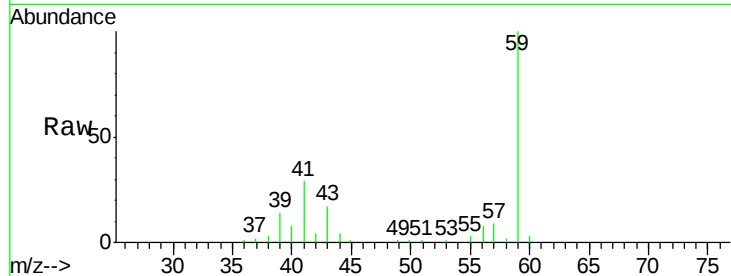
#11
Tert butyl alcohol
Concen: 257.679 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 75074
Ion Ratio Lower Upper
59 100
57 6.0 8.3 12.5#

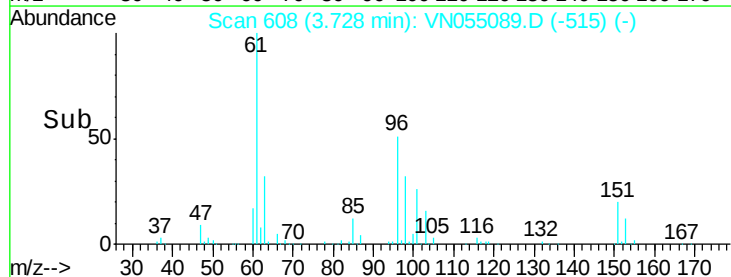
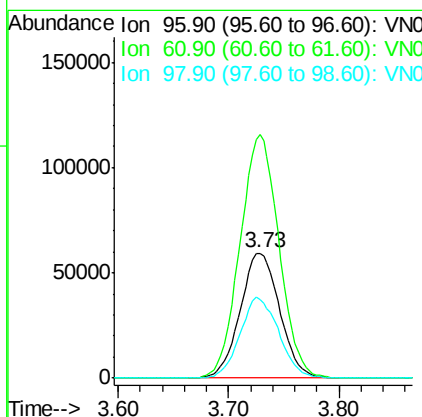
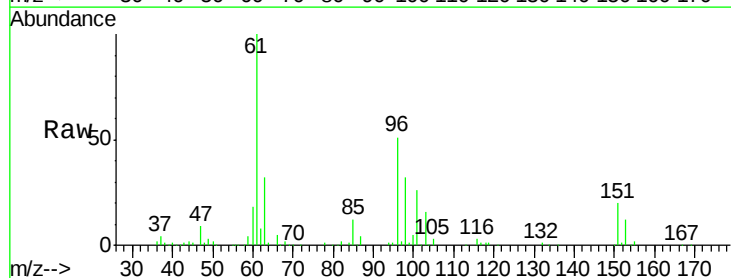
Manual Integrations
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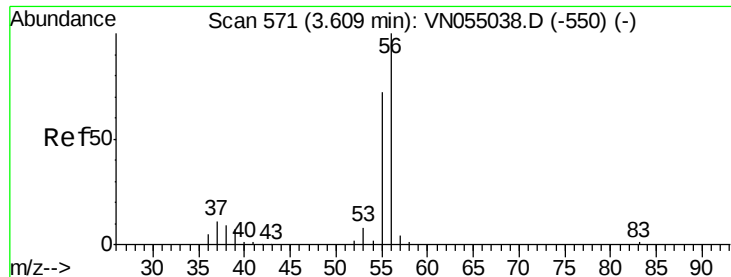
MMDadoda
4/17/2019 4:23:12 AM



#12
1,1-Dichloroethene
Concen: 46.491 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion: 96 Resp: 147552
Ion Ratio Lower Upper
96 100
61 194.7 154.2 231.4
98 63.2 52.9 79.3





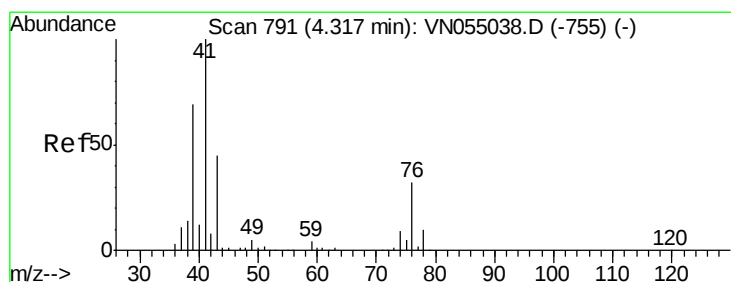
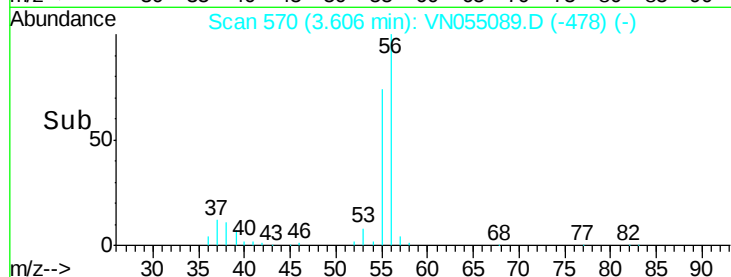
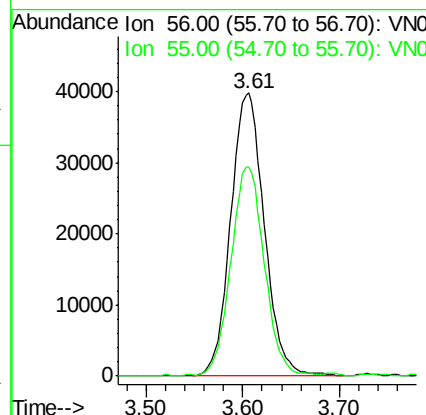
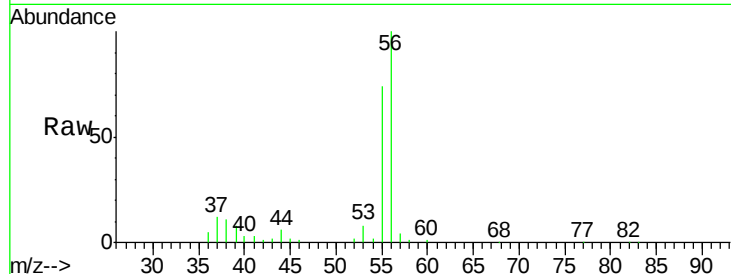
#13
 Acrolein
 Concen: 266.985 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.3	59.5	89.3	

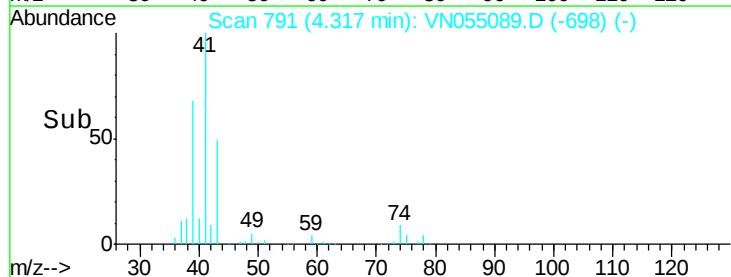
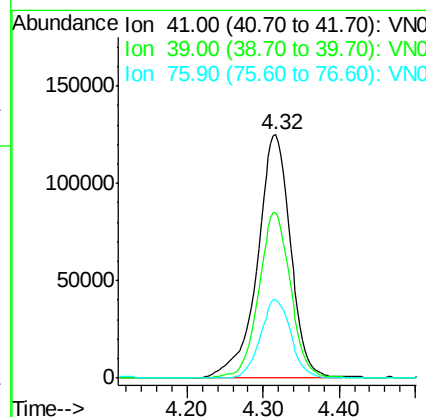
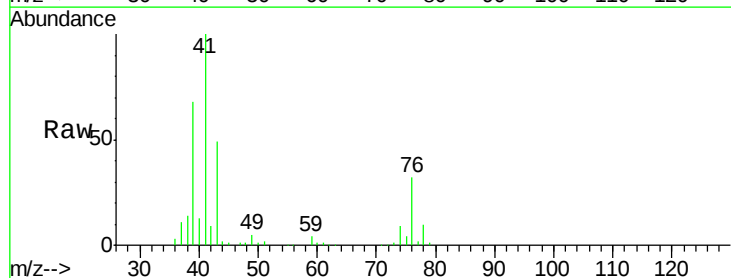
Manual Integrations
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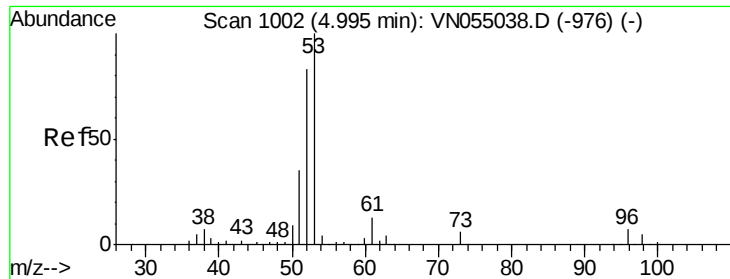
MMDadoda
 4/17/2019 4:23:12 AM



#14
 Allyl chloride
 Concen: 48.640 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.8	52.7	79.1	
76	29.7	23.2	34.8	





#15

Acrylonitrile

Concen: 249.021 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

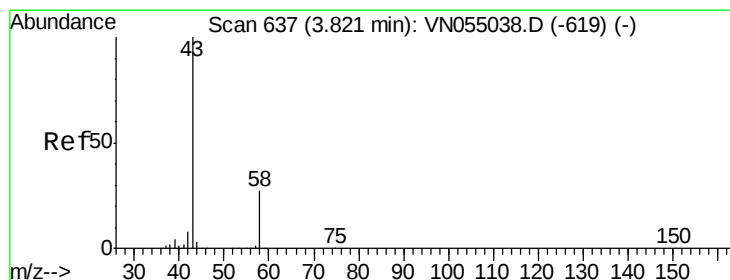
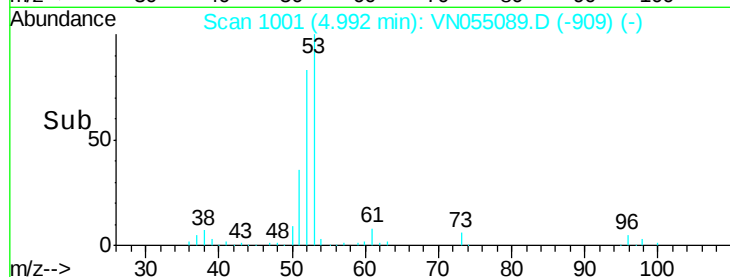
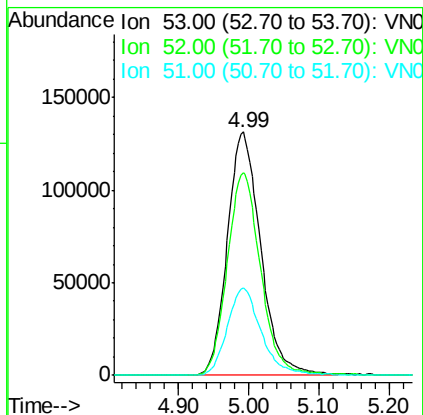
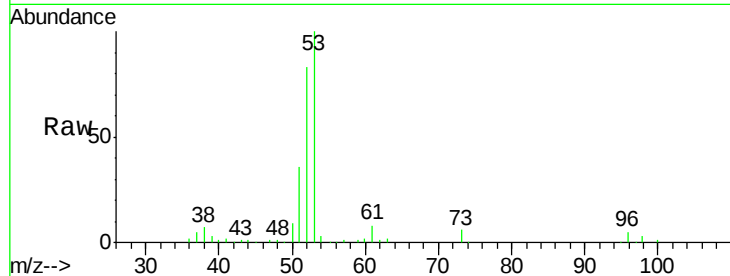
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	434076
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.9	98.9
51	36.5	29.7	44.5

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#16

Acetone

Concen: 203.433 ug/l

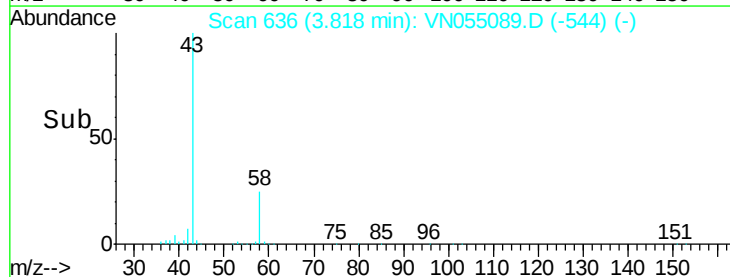
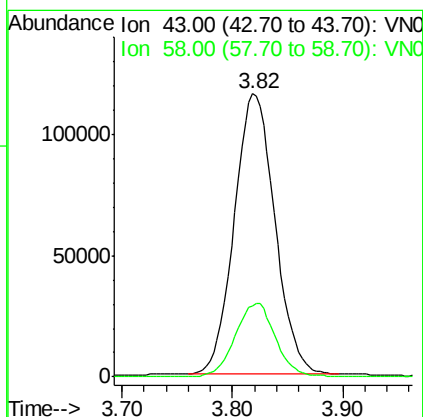
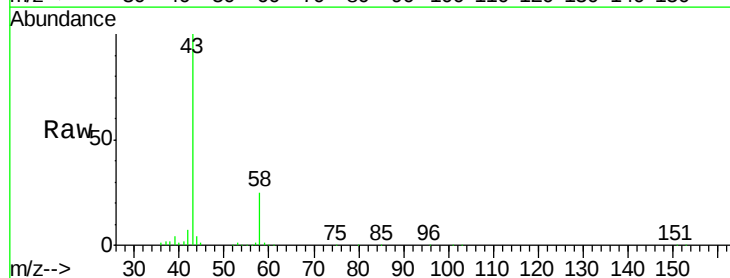
RT: 3.82 min Scan# 636

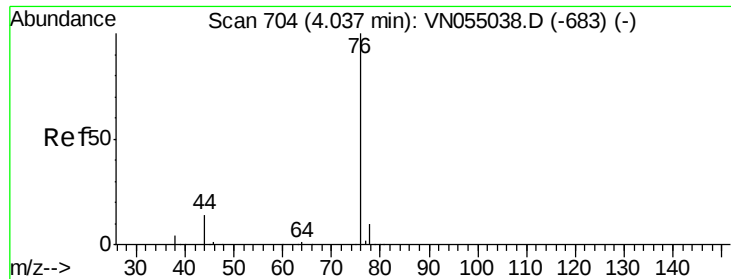
Delta R.T. -0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Tgt Ion:	43	Resp:	293483
Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.9	31.3





#17

Carbon Disulfide

Concen: 45.427 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 465407

Ion Ratio Lower Upper

76 100

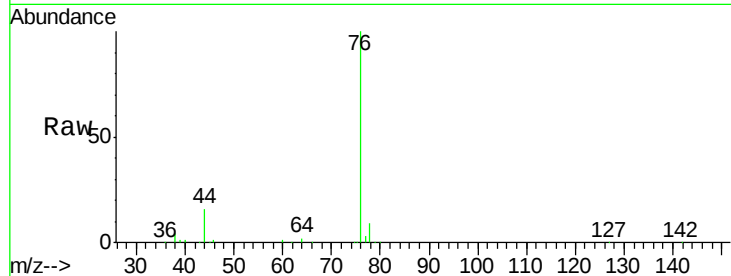
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.04

200000

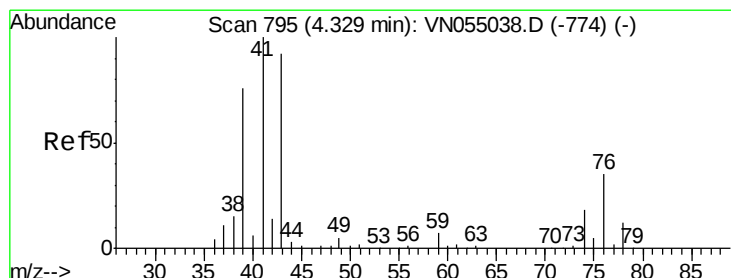
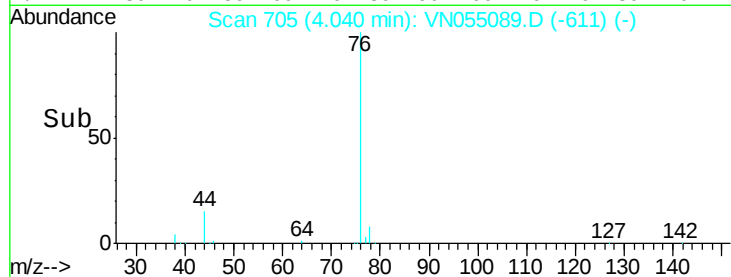
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.548 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055089.D

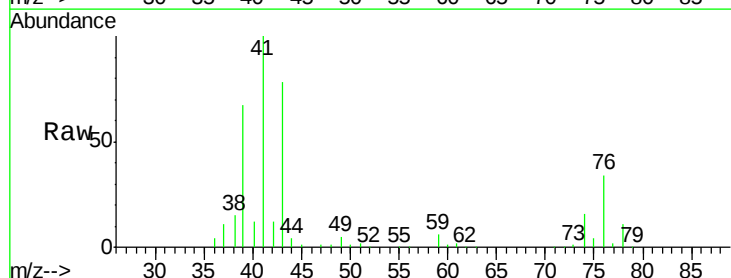
Acq: 16 Apr 2019 19:57

Tgt Ion: 43 Resp: 210153

Ion Ratio Lower Upper

43 100

74 20.0 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

80000

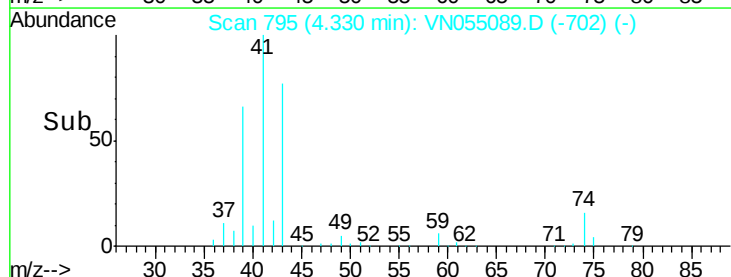
60000

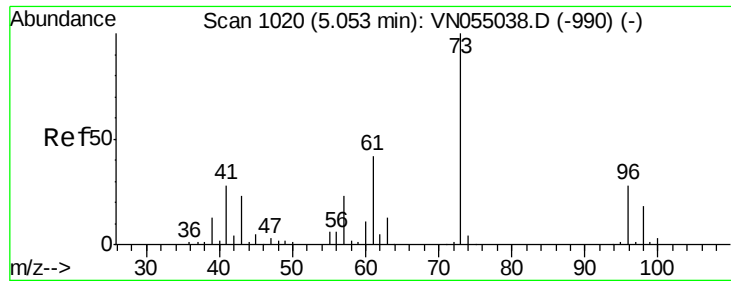
40000

20000

0

Time-->





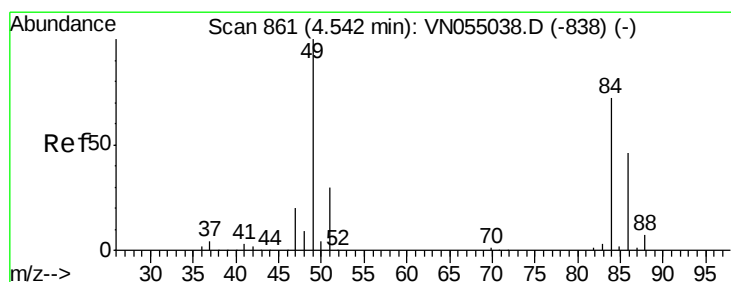
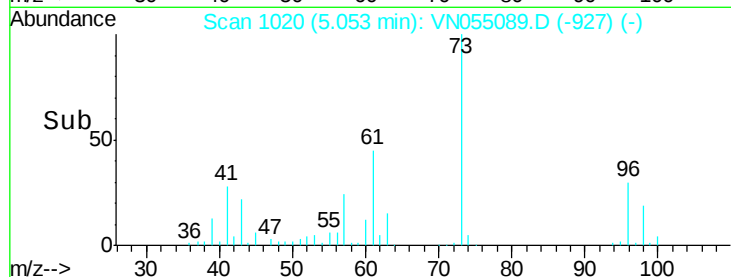
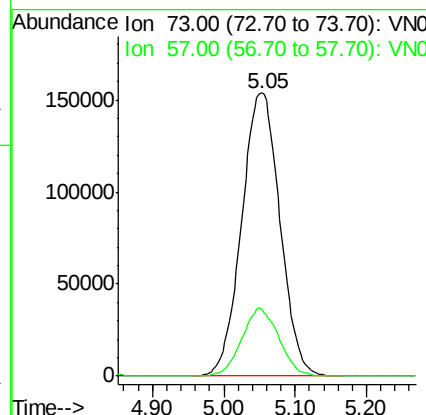
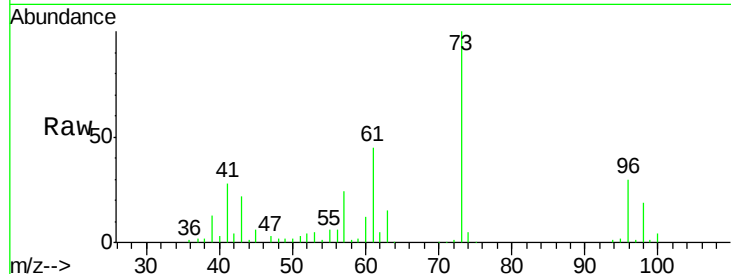
#19
Methyl tert-butyl Ether
Concen: 50.538 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 573768
Ion Ratio Lower Upper
73 100
57 23.6 19.0 28.4

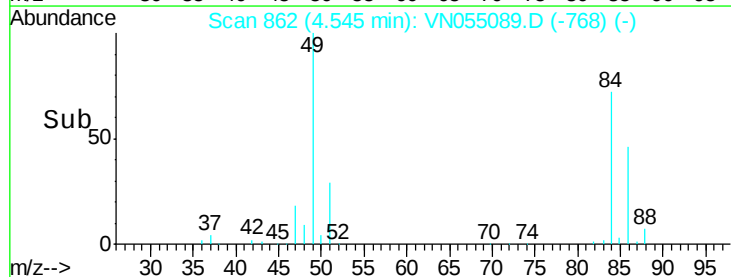
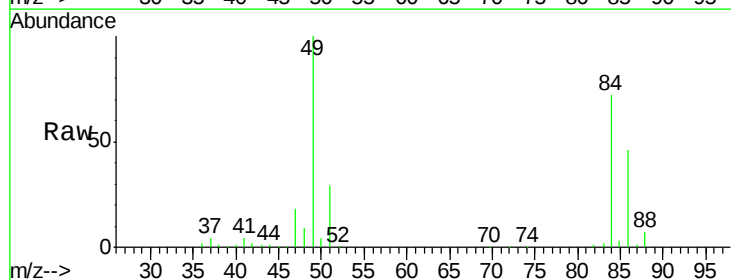
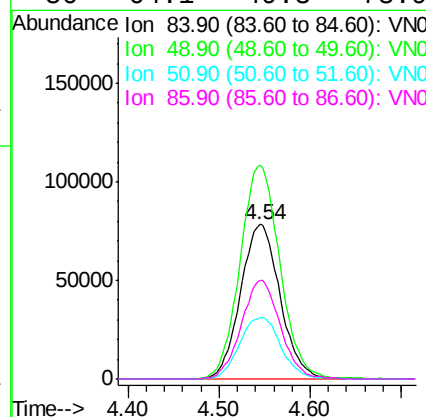
Manual Integrations
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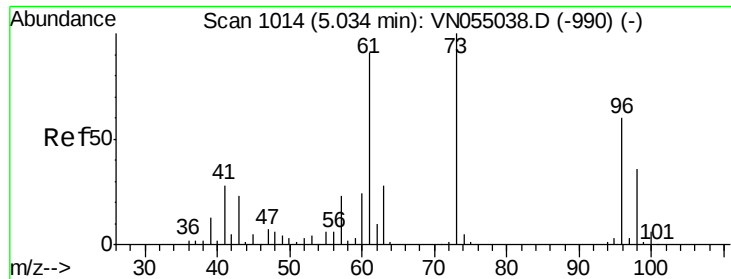
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#20
Methylene Chloride
Concen: 46.570 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion: 84 Resp: 236173
Ion Ratio Lower Upper
84 100
49 138.3 109.4 164.2
51 39.8 32.2 48.4
86 64.1 49.3 73.9





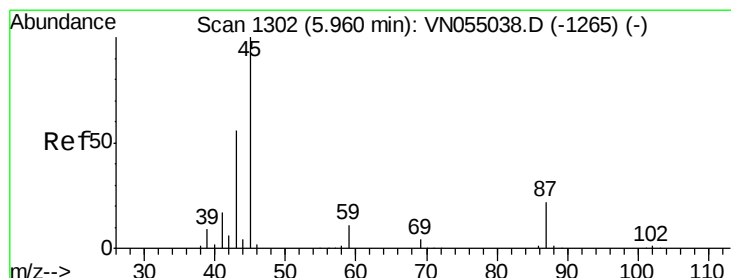
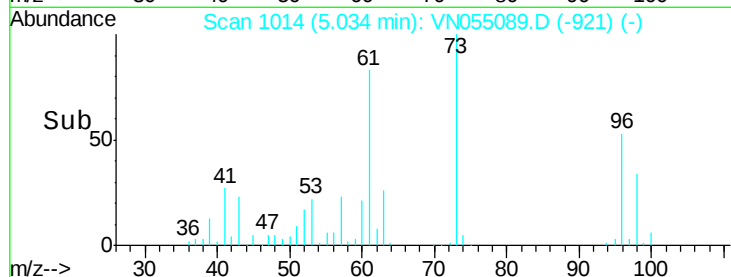
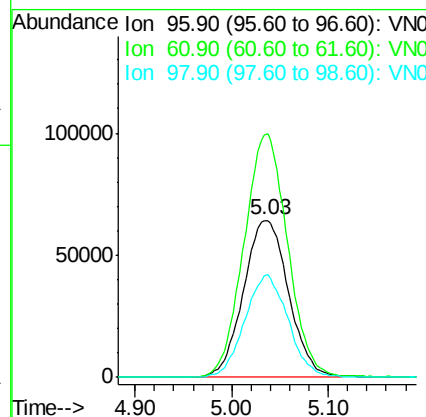
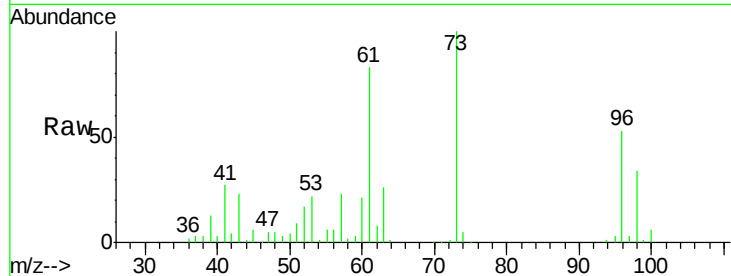
#21
trans-1,2-Dichloroethene
Concen: 48.451 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	114.9	172.3
98	64.5	48.4	72.6

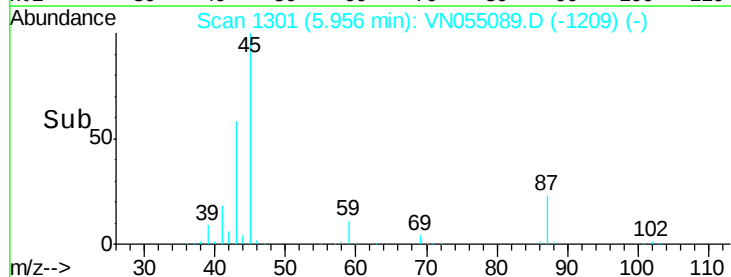
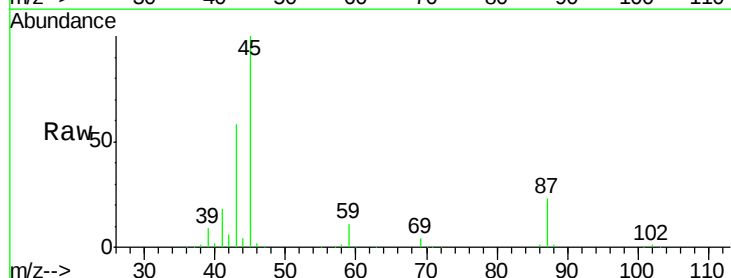
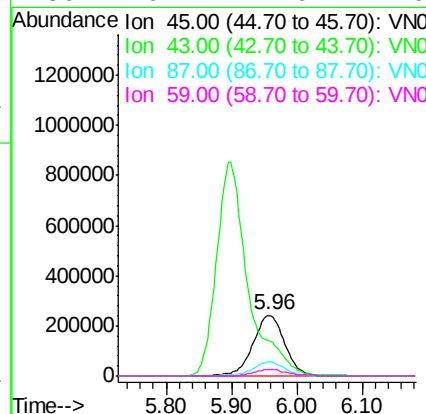
Manual Integrations
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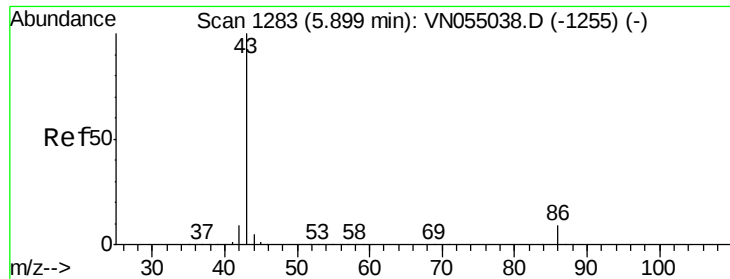
MMDadoda
4/17/2019 4:23:12 AM



#22
Diisopropyl ether
Concen: 51.395 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	44.8	67.2
87	23.0	18.9	28.3
59	10.4	7.9	11.9





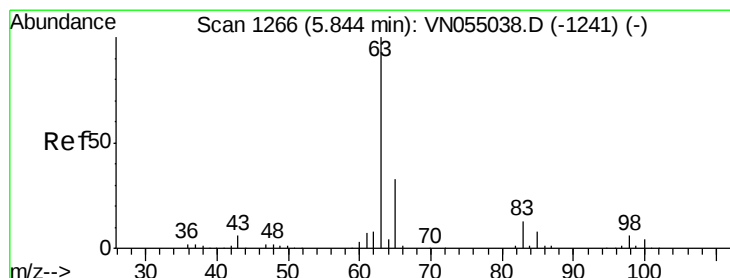
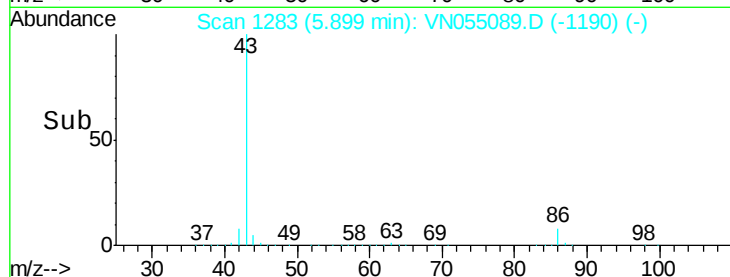
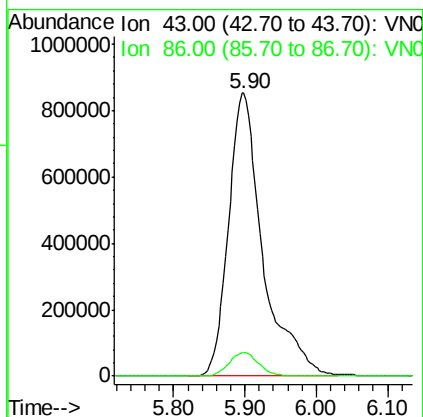
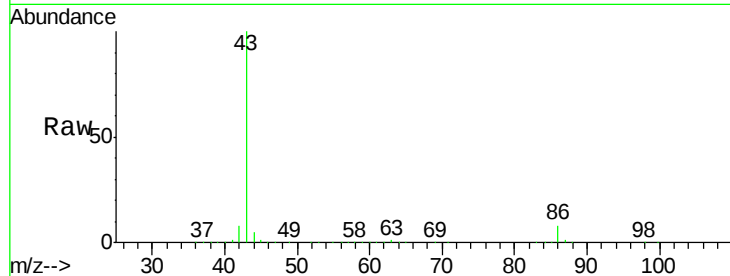
#23
 Vinyl Acetate
 Concen: 270.363 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2853976
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.0 10.4

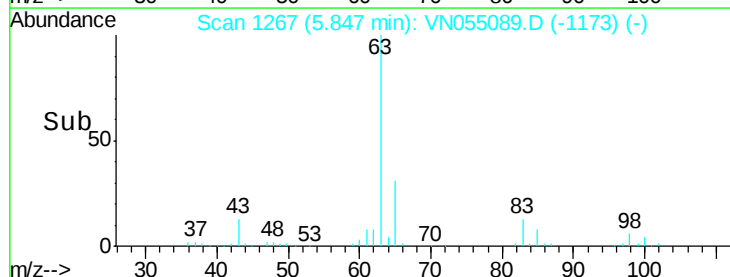
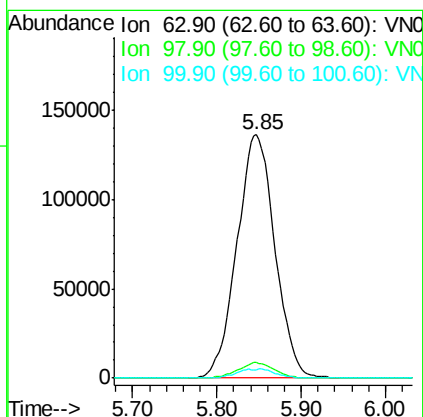
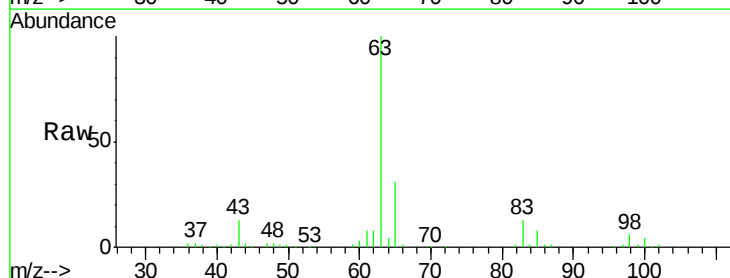
Manual Integrations
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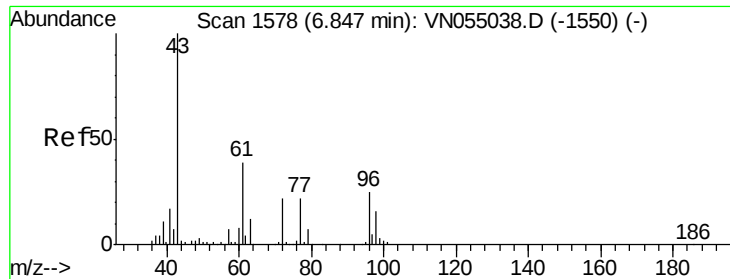
MMDadoda
 4/17/2019 4:23:12 AM



#24
 1,1-Dichloroethane
 Concen: 50.132 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion: 63 Resp: 426344
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.8 8.4
 100 3.5 2.0 5.8





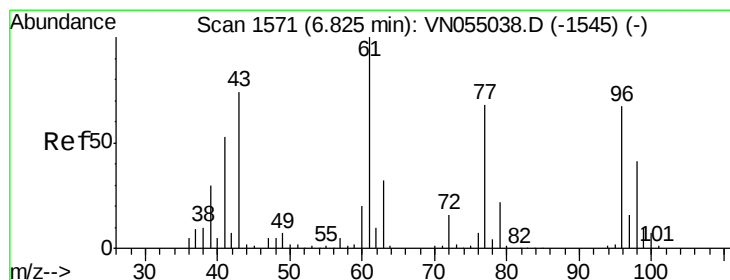
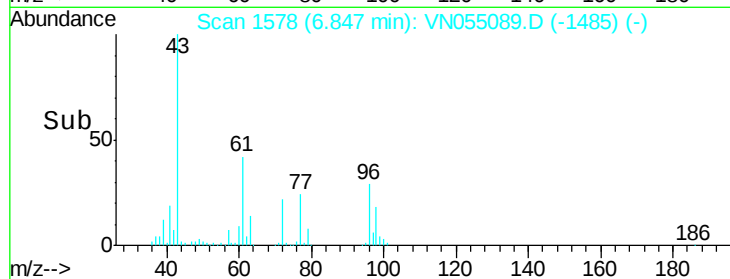
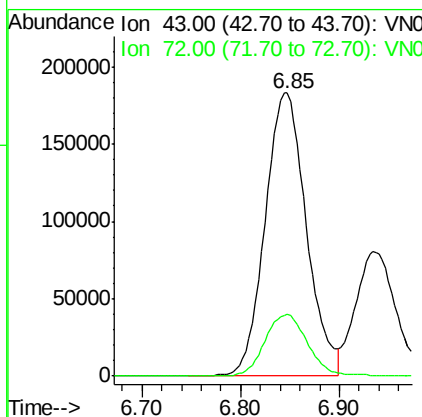
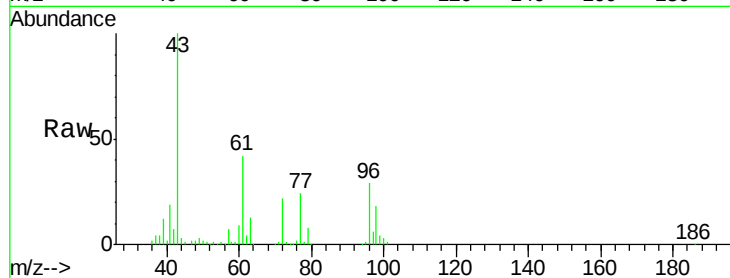
#25
2-Butanone
Concen: 245.145 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 527831
Ion Ratio Lower Upper
43 100
72 21.9 18.1 27.1

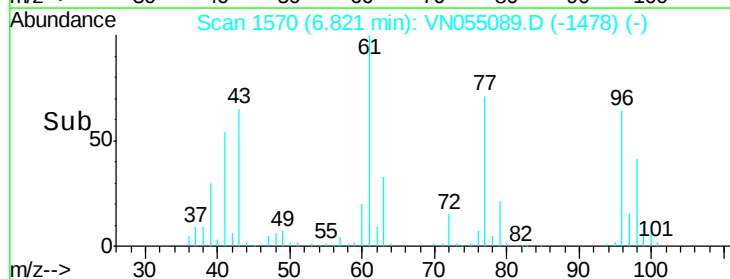
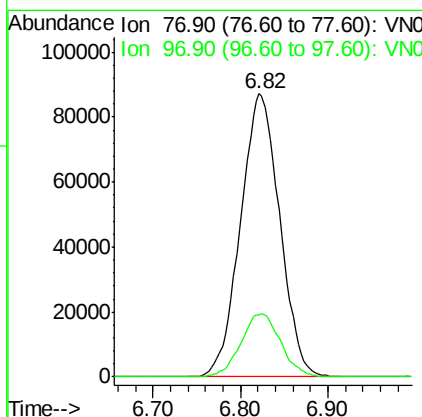
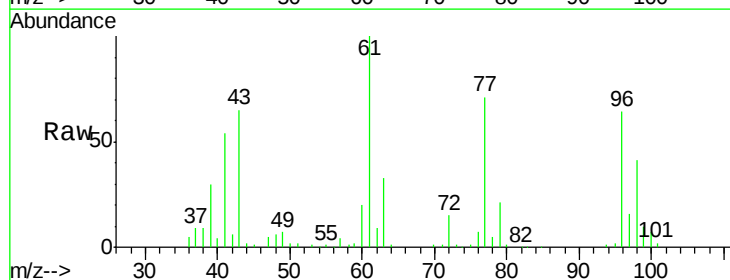
Manual Integrations
APPROVED

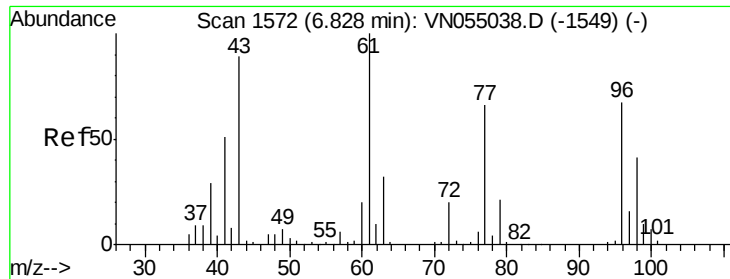
MMDadoda
4/17/2019 4:23:12 AM



#26
2,2-Dichloropropane
Concen: 50.509 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion: 77 Resp: 271118
Ion Ratio Lower Upper
77 100
97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 50.361 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 244569

Ion Ratio Lower Upper

96 100

61 155.6 0.0 311.0

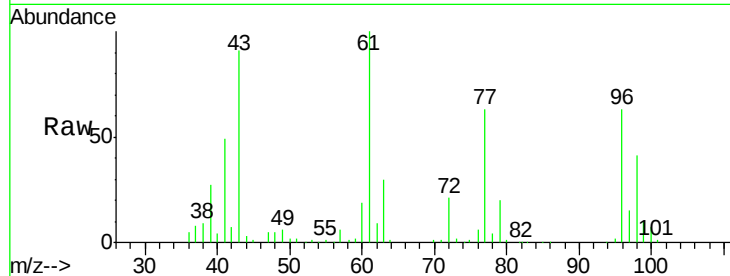
98 64.8 0.0 127.4

Manual Integrations

APPROVED

MMDadoda

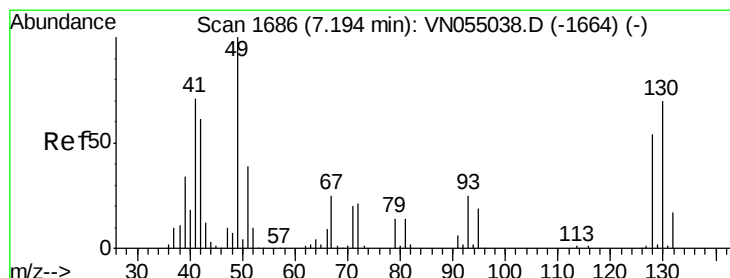
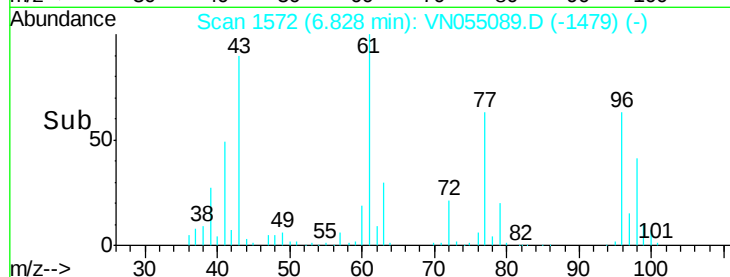
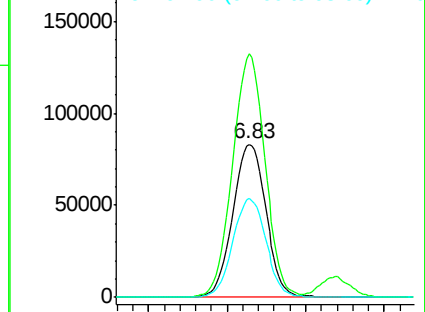
4/17/2019 4:23:12 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055089.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055089.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055089.D (-1549) (-)



#28

Bromochloromethane

Concen: 48.704 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

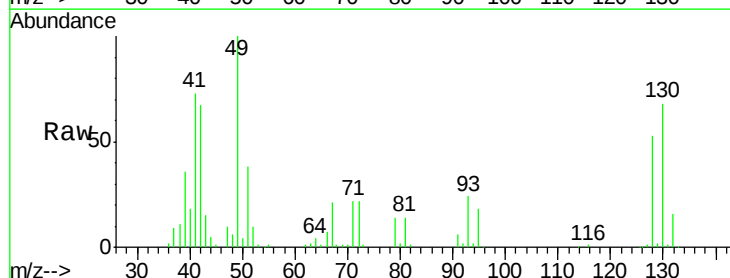
Tgt Ion: 49 Resp: 199664

Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.0

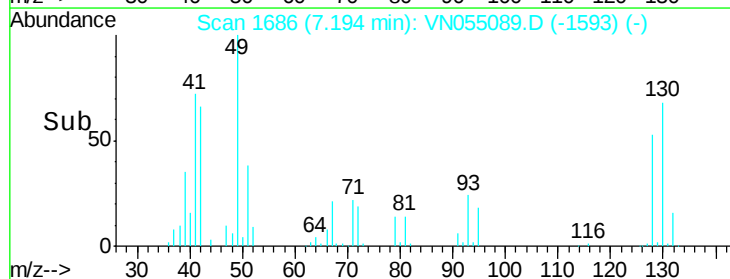
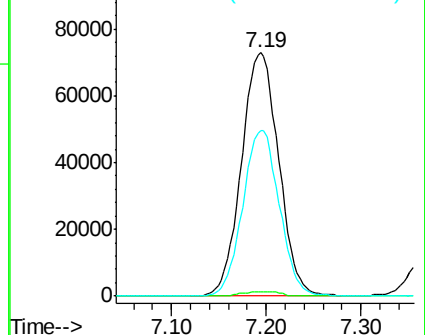
130 66.8 53.4 80.2

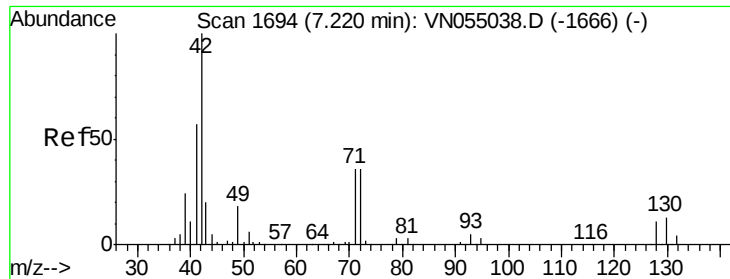


Abundance Ion 48.90 (48.60 to 49.60): VN055089.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN055089.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN055089.D (-1593) (-)





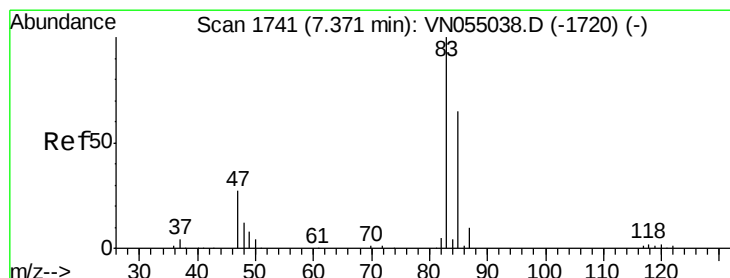
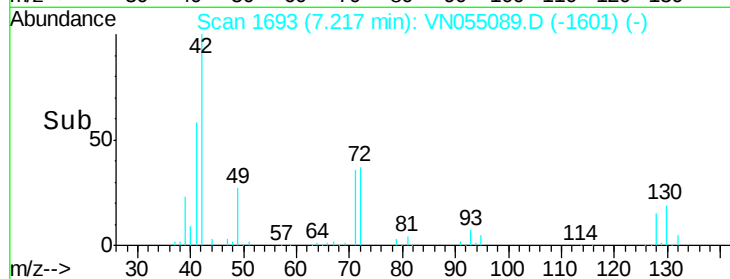
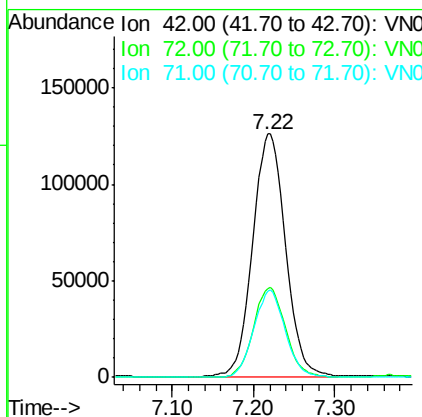
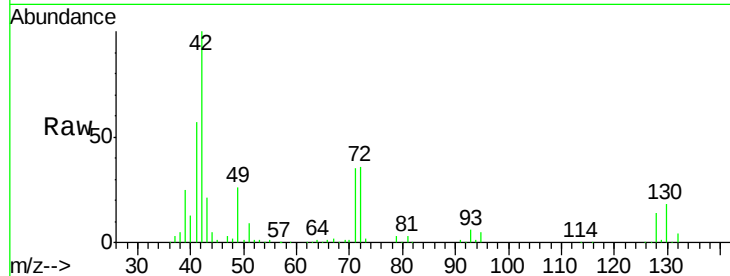
#29
Tetrahydrofuran
Concen: 249.547 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.4	44.0
71	34.3	27.8	41.6

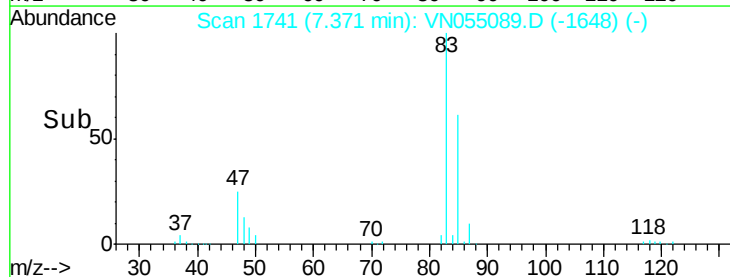
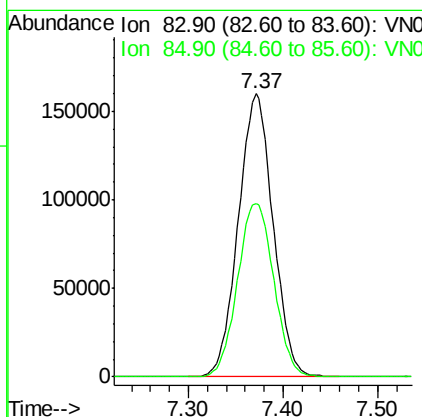
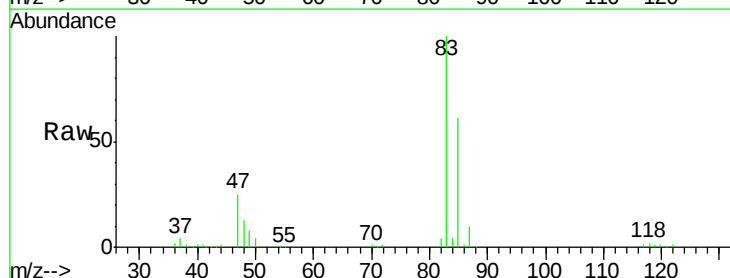
Manual Integrations
APPROVED

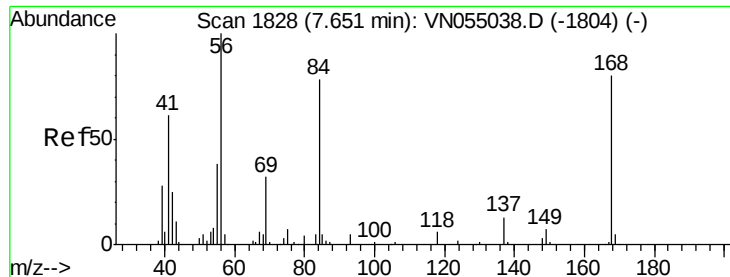
MMDadoda
4/17/2019 4:23:12 AM



#30
Chloroform
Concen: 49.393 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6





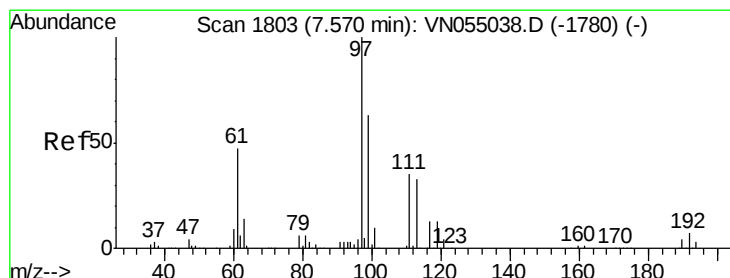
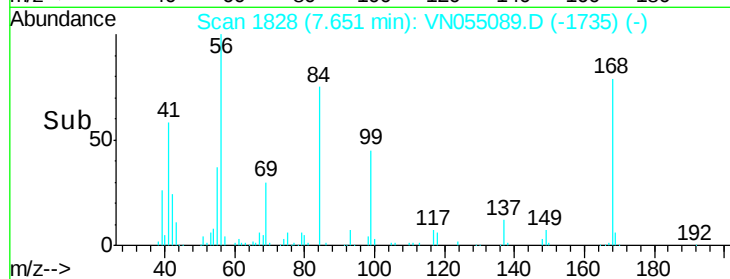
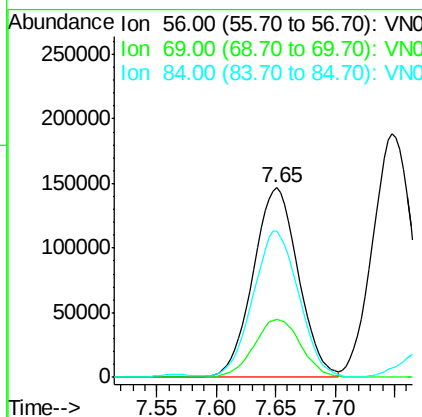
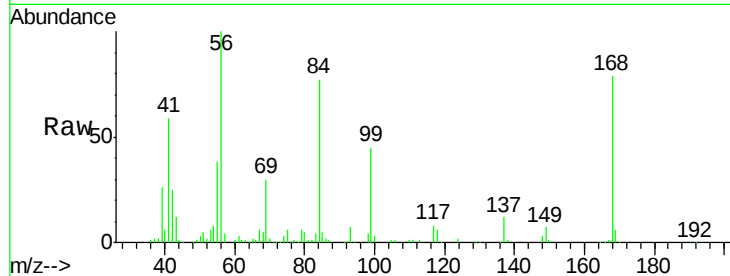
#31
Cyclohexane
Concen: 51.385 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	386098
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.5	36.7
84	76.0	62.9	94.3

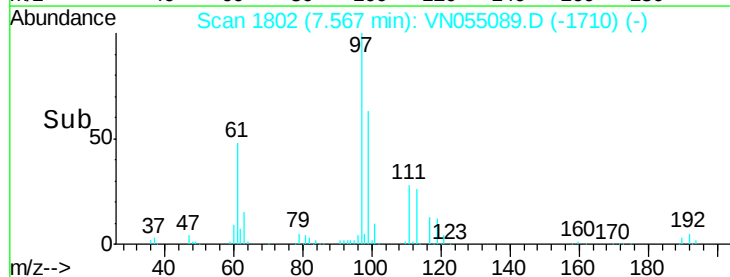
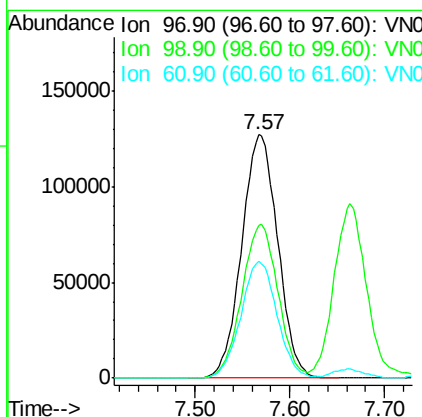
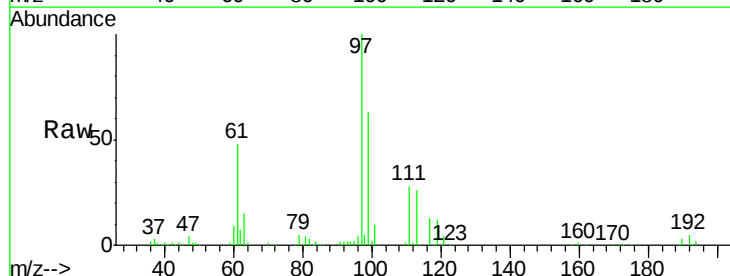
Manual Integrations
APPROVED

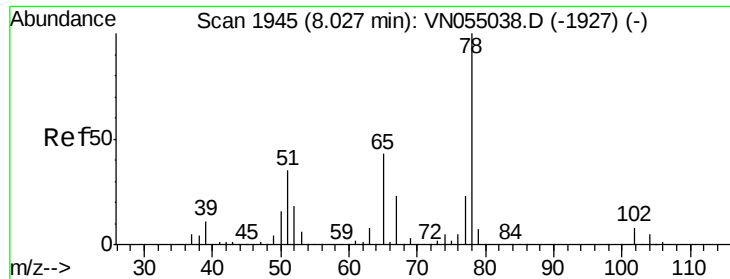
MMDadoda
4/17/2019 4:23:12 AM



#32
1,1,1-Trichloroethane
Concen: 51.382 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	97	Resp	336285
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	48.0	38.3	57.5





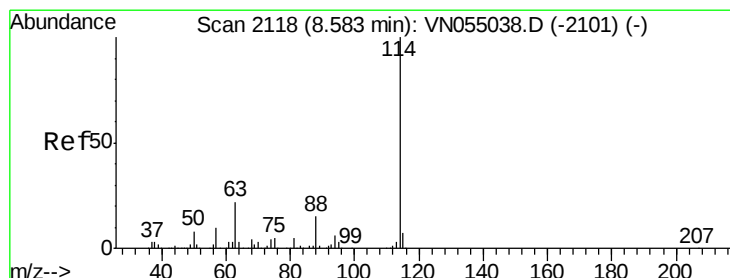
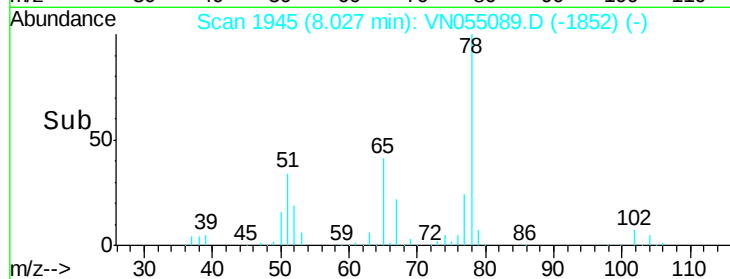
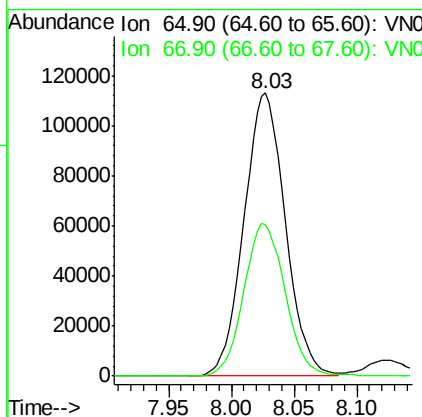
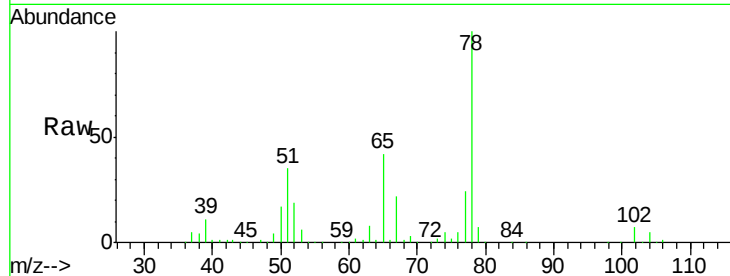
#33
 1,2-Dichloroethane-d4
 Concen: 48.869 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	259748		
67	54.0	0.0	106.4	

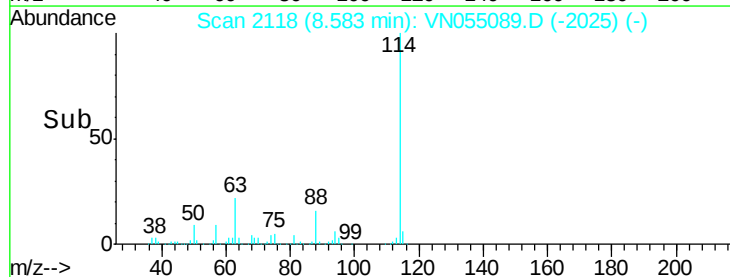
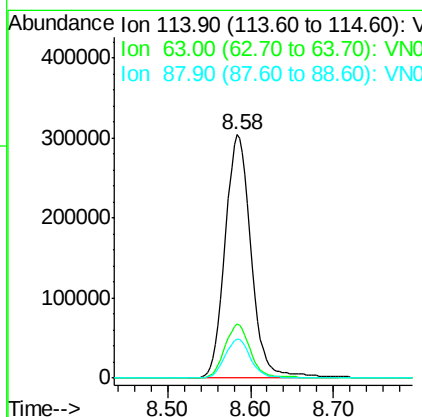
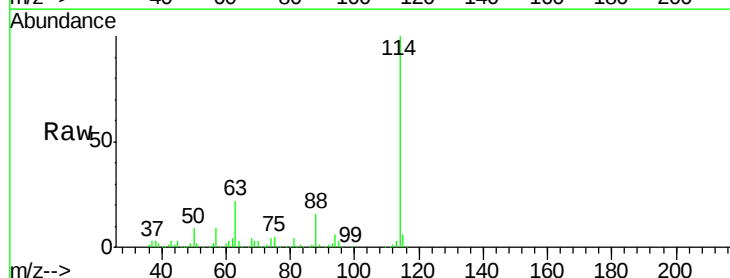
Manual Integrations
 APPROVED

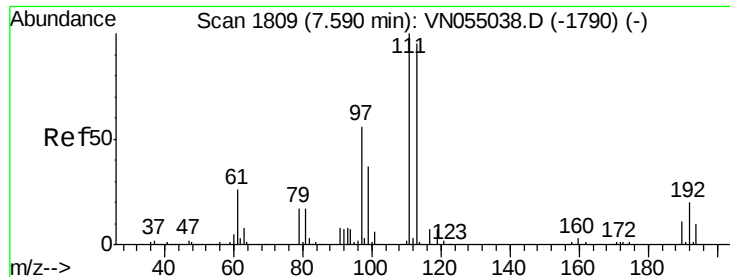
MMDadoda
 4/17/2019 4:23:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	666312		
63	22.2	0.0	45.2	
88	16.0	0.0	31.8	





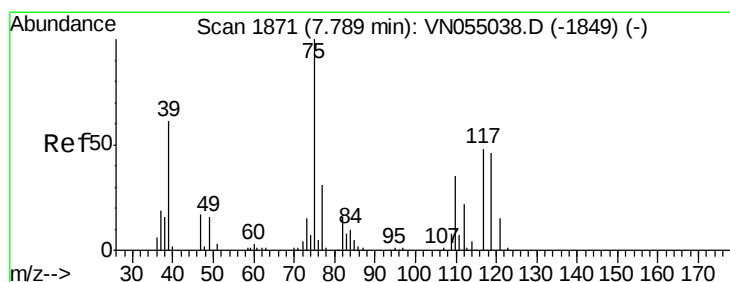
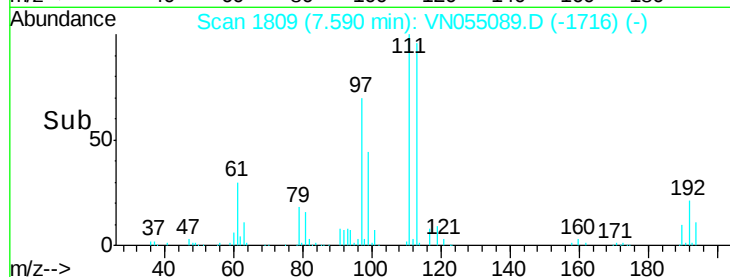
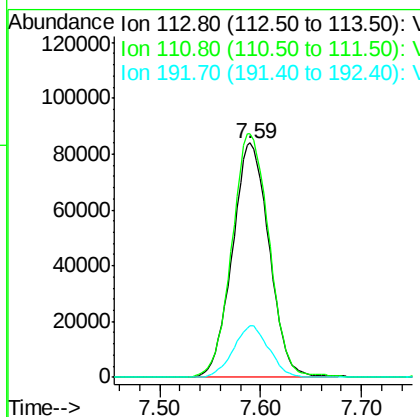
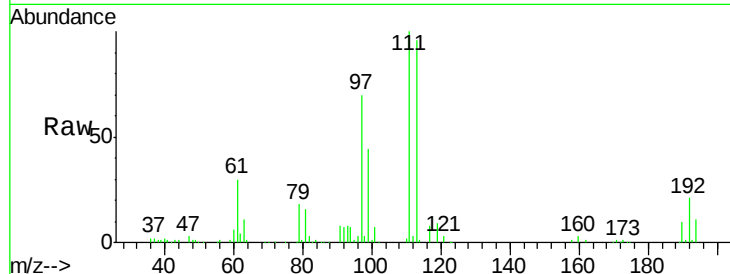
#35
 Dibromofluoromethane
 Concen: 47.767 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	82.1	123.1	
192	21.2	16.5	24.7	

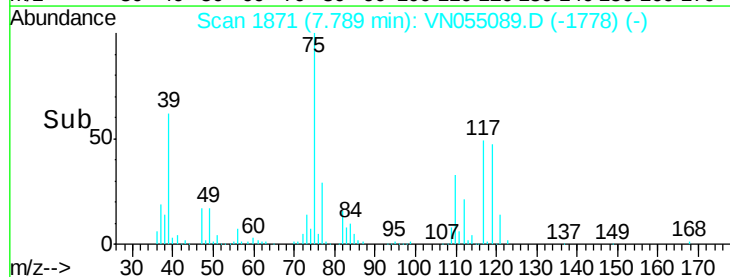
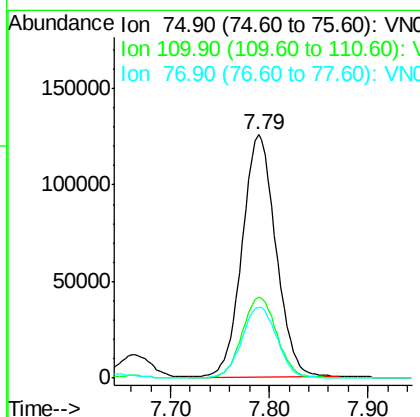
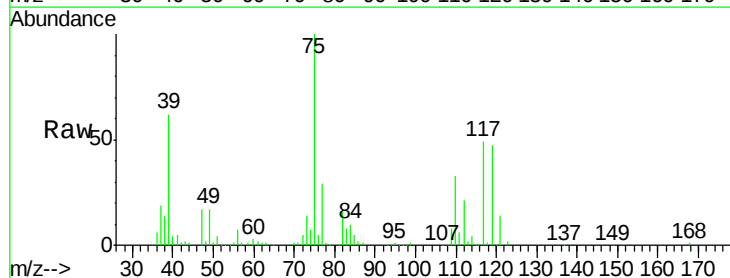
Manual Integrations
 APPROVED

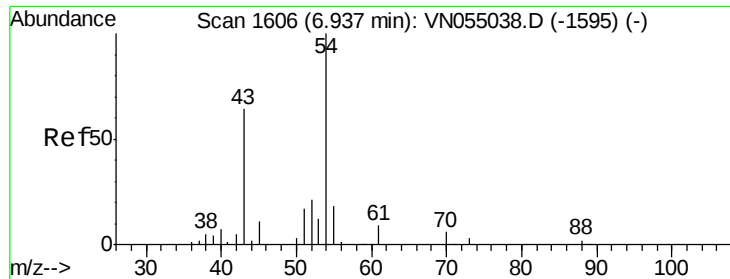
MMDadoda
 4/17/2019 4:23:12 AM



#36
 1,1-Dichloropropene
 Concen: 47.251 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	17.5	52.5	
77	30.7	24.9	37.3	





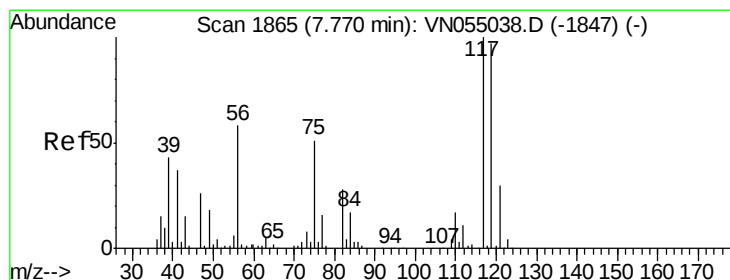
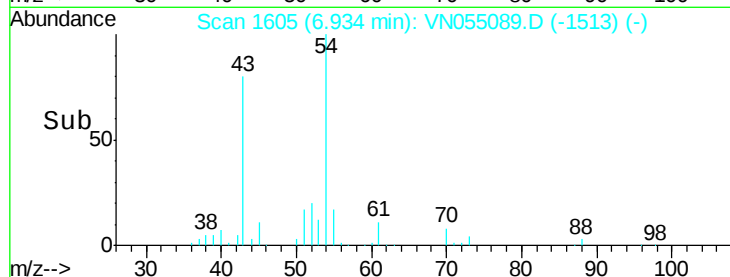
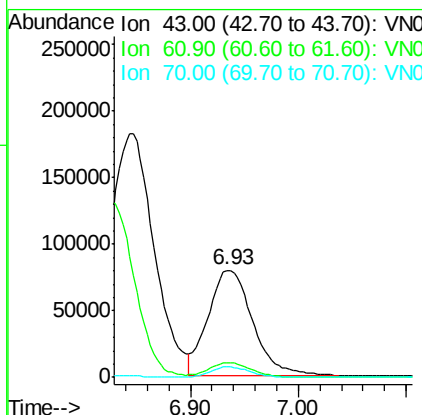
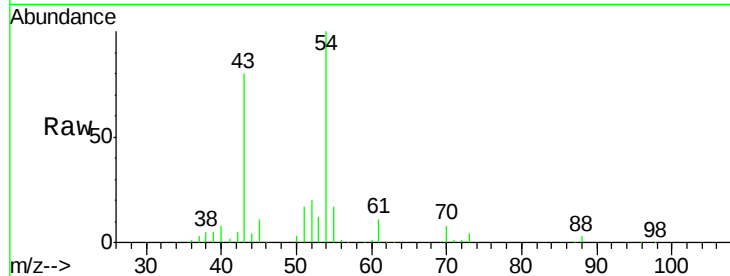
#37
Ethyl Acetate
Concen: 44.644 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.0	15.0
70	8.9	7.1	10.7

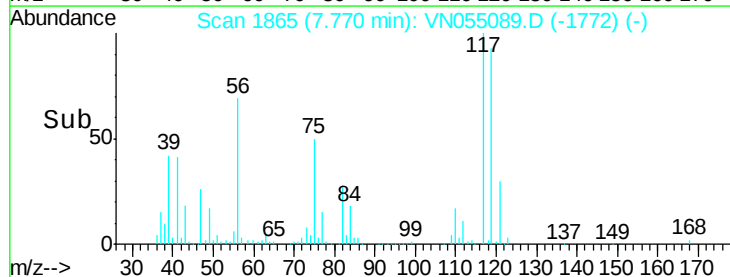
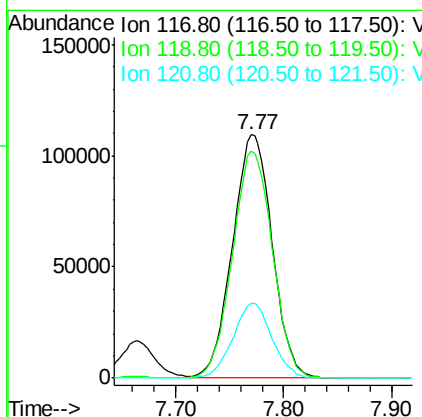
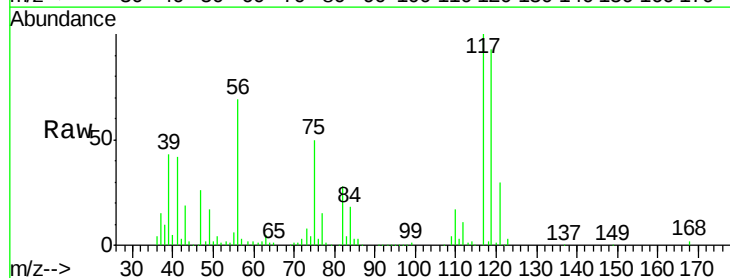
Manual Integrations
APPROVED

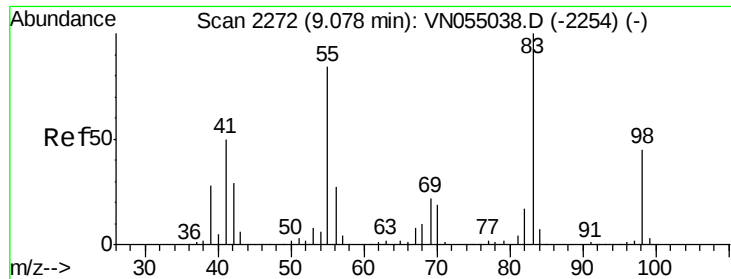
MMDadoda
4/17/2019 4:23:12 AM



#38
Carbon Tetrachloride
Concen: 46.945 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.3	114.5
121	30.4	23.9	35.9





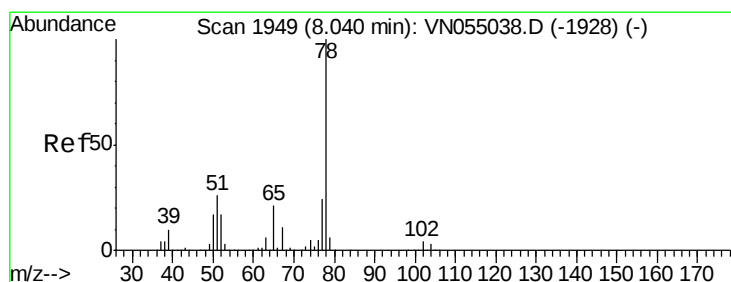
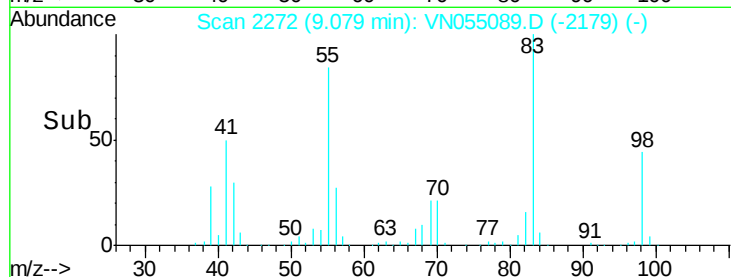
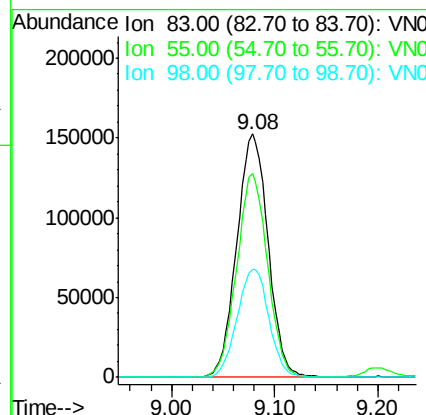
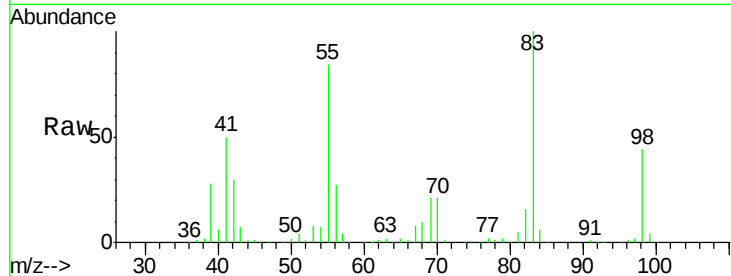
#39
Methvlcvclohexane
Concen: 47.481 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	323180
Ion Ratio	Lower	Upper	
83	100		
55	83.9	67.0	100.4
98	44.3	35.6	53.4

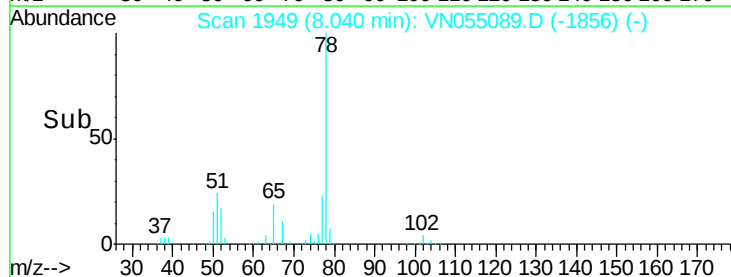
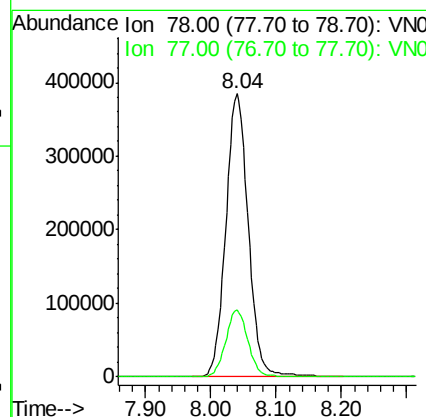
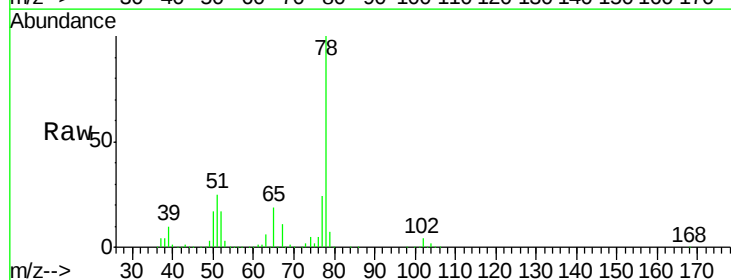
Manual Integrations
APPROVED

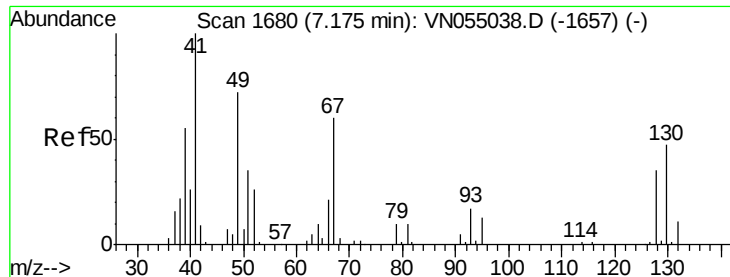
MMDadoda
4/17/2019 4:23:12 AM



#40
Benzene
Concen: 48.482 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	78	Resp	917806
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2





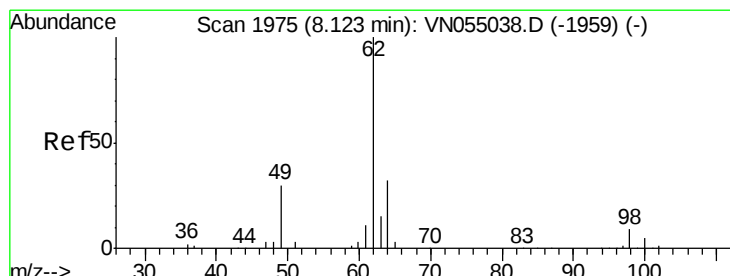
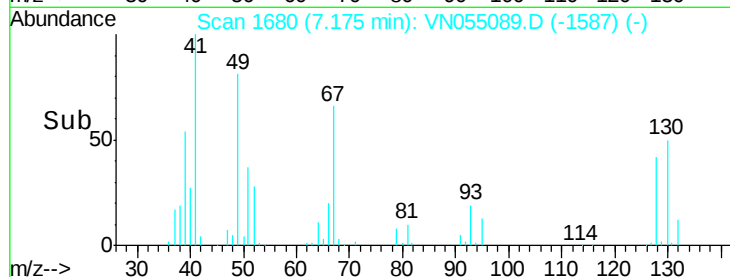
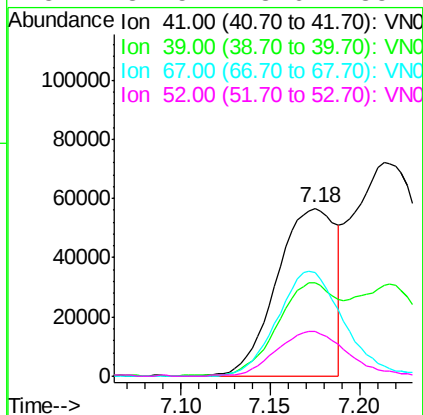
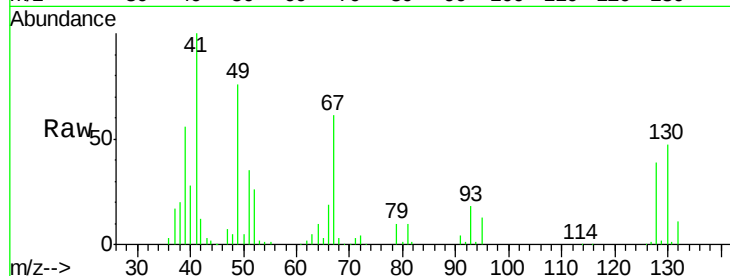
#41
Methacrylonitrile
Concen: 45.919 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	130346
Ion Ratio	Lower	Upper	
41	100		
39	56.7	45.6	68.4
67	71.1	57.0	85.6
52	32.5	23.6	35.4

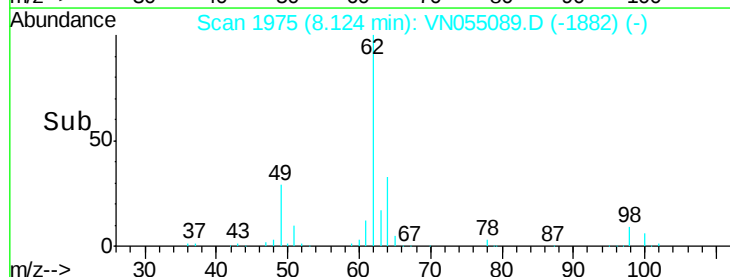
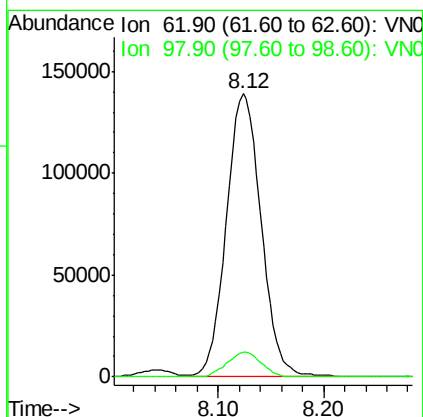
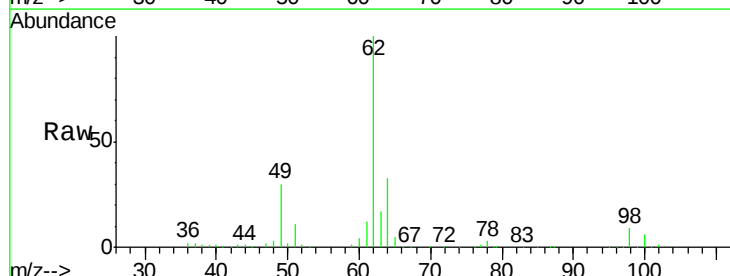
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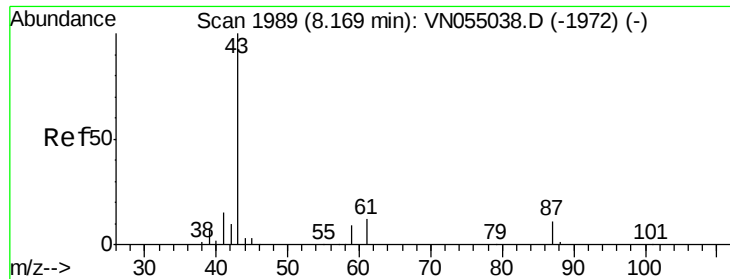
MMDadoda
4/17/2019 4:23:12 AM



#42
1,2-Dichloroethane
Concen: 48.006 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	62	Resp	315530
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	17.4





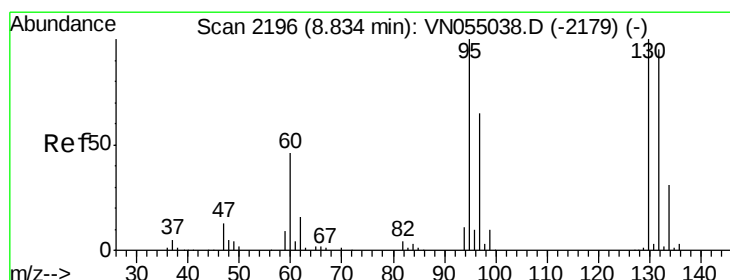
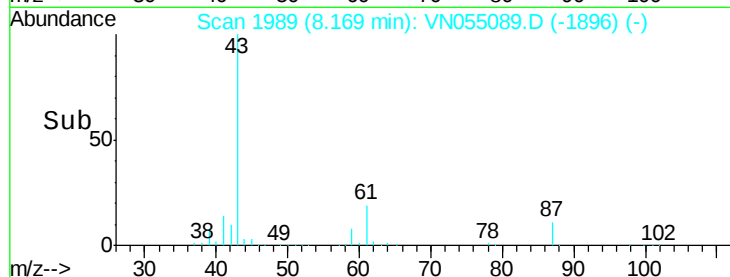
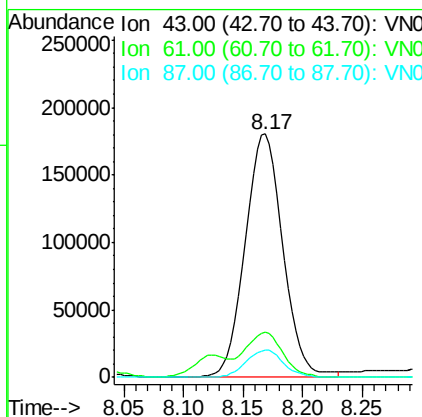
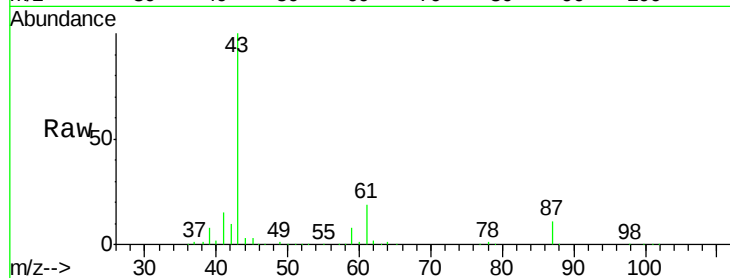
#43
Isopropyl Acetate
Concen: 50.222 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.3	21.5
87	11.2	8.6	13.0

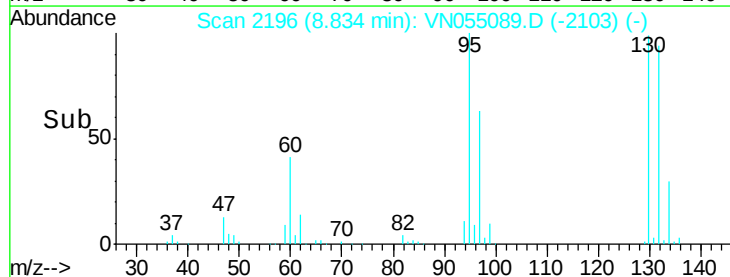
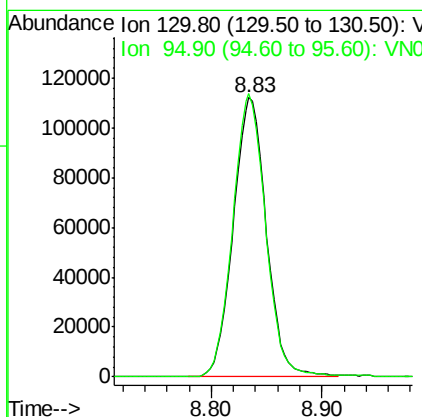
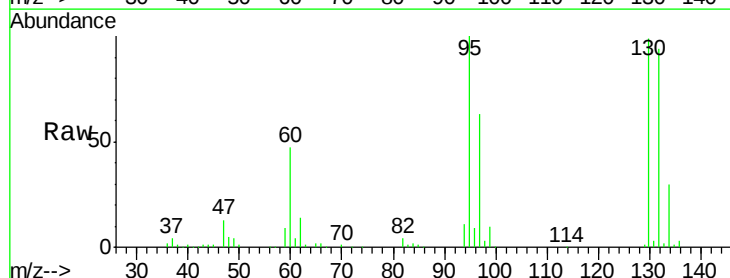
Manual Integrations
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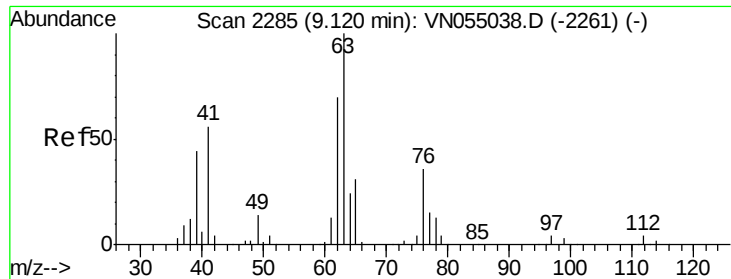
MMDadoda
4/17/2019 4:23:12 AM



#44
Trichloroethene
Concen: 49.063 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	201.6





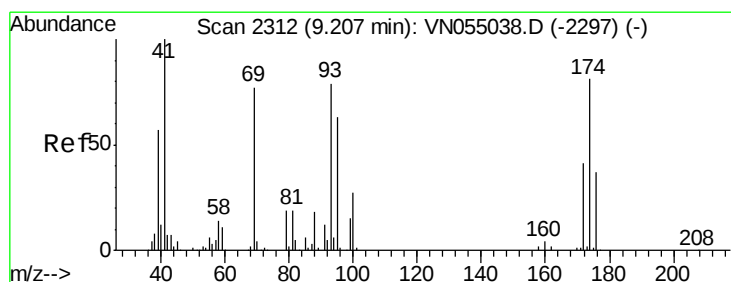
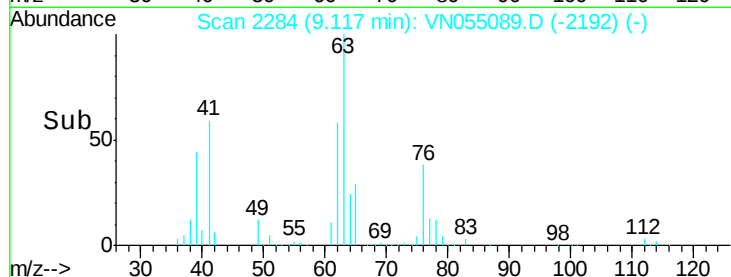
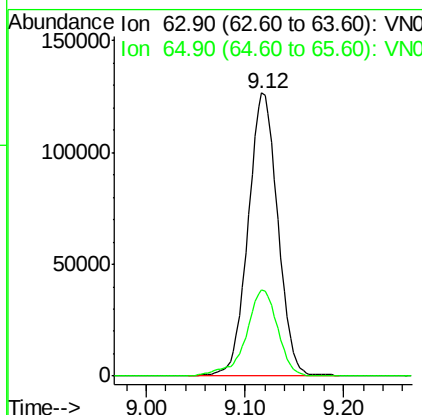
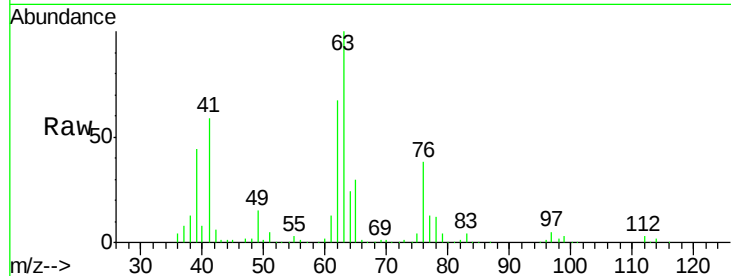
#45
 1,2-Dichloropropane
 Concen: 49.756 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 262690
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6

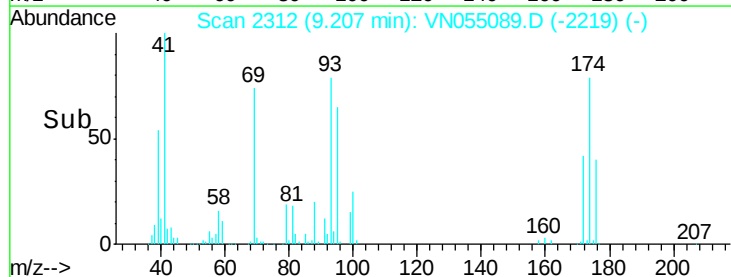
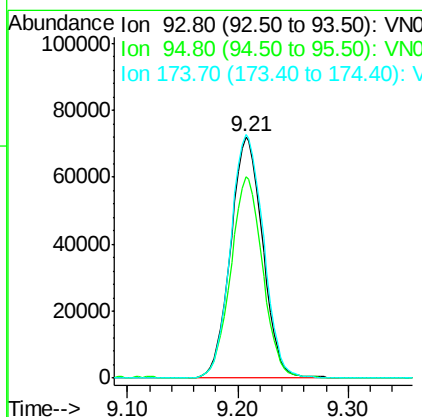
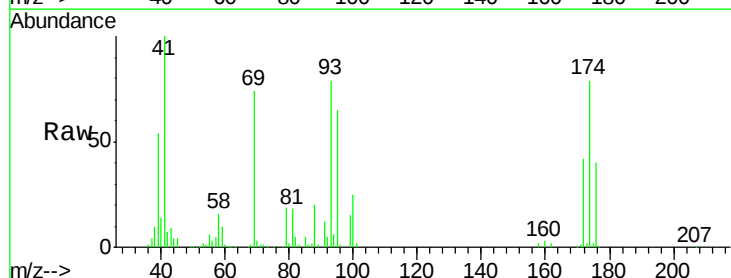
Manual Integrations
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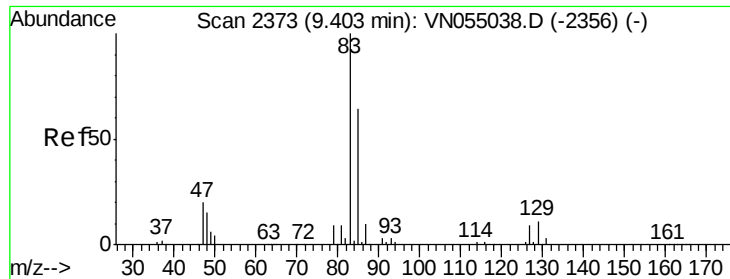
MMDadoda
 4/17/2019 4:23:12 AM



#46
 Dibromomethane
 Concen: 48.470 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion: 93 Resp: 145655
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.0 97.6
 174 103.4 81.0 121.6





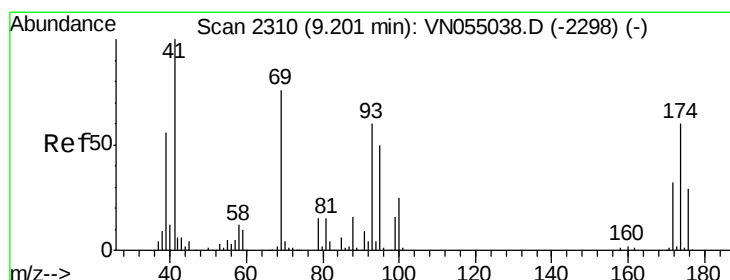
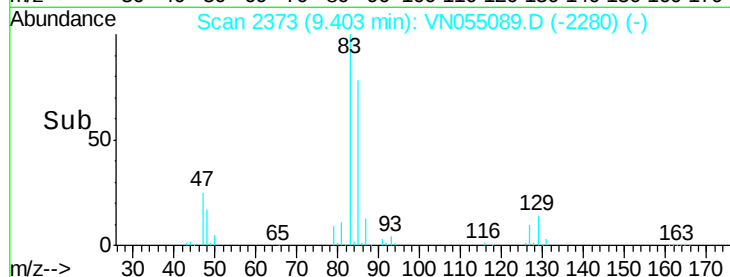
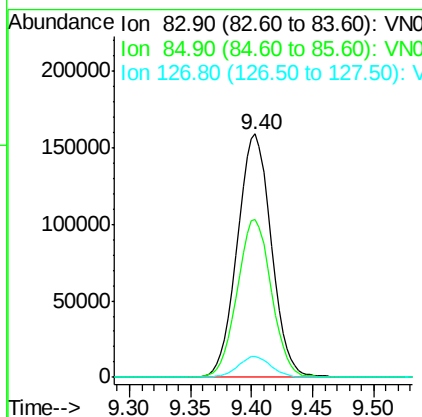
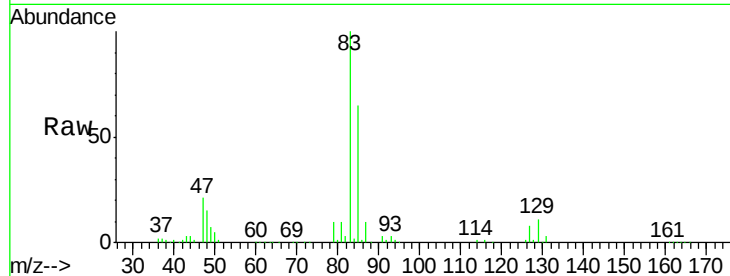
#47
 Bromodichloromethane
 Concen: 49.518 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	306796
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.4	6.8	10.2

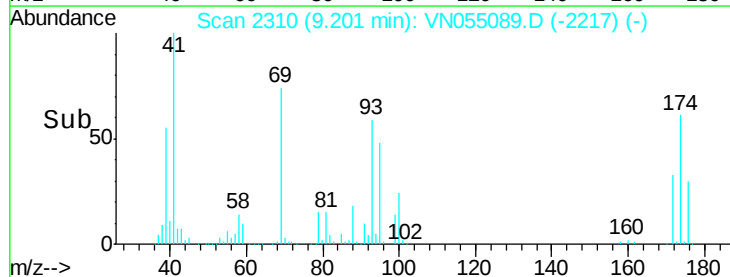
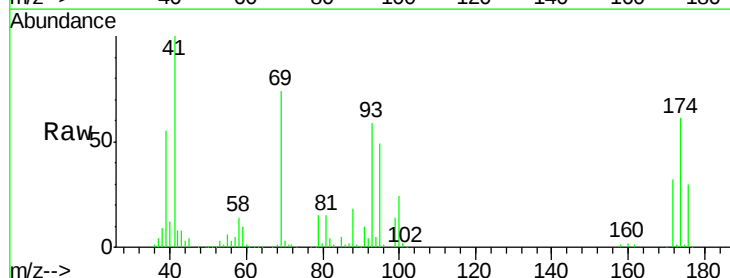
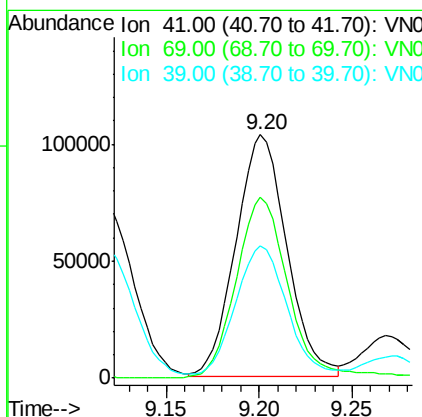
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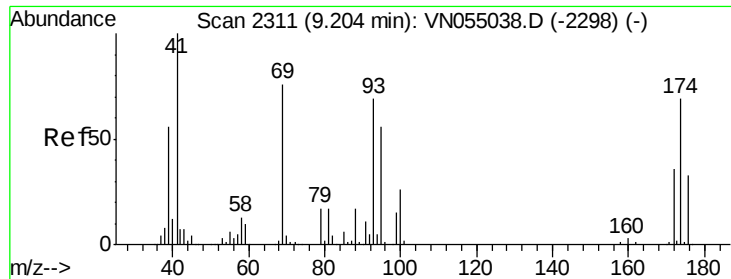
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#48
 Methyl methacrylate
 Concen: 50.666 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	41	Resp	197875
Ion Ratio	100	Lower	Upper
41	100		
69	77.6	60.5	90.7
39	55.0	43.9	65.9





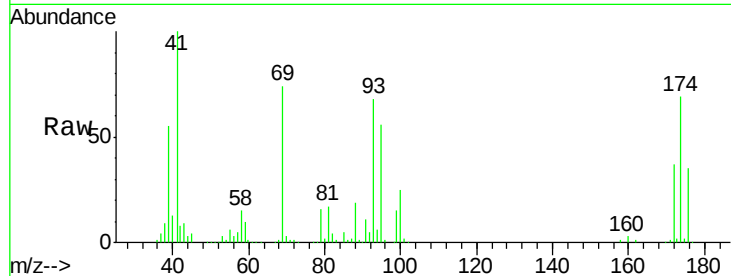
#49
1,4-Dioxane
Concen: 1118.506 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	40926
Ion	Ratio	Lower	Upper
88	100		
43	41.2	31.8	47.8
58	75.8	61.6	92.4

Manual Integrations
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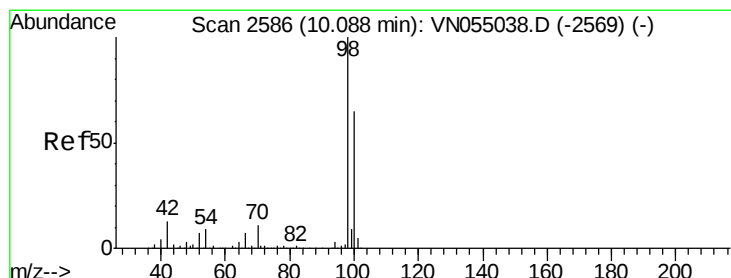
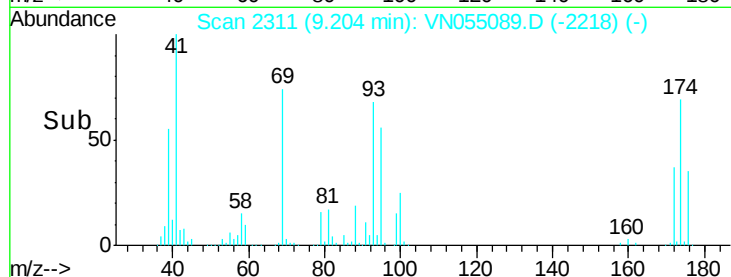
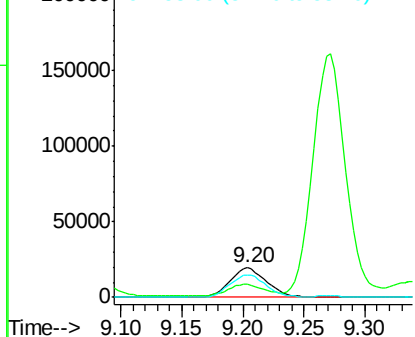
MMDadoda
4/17/2019 4:23:12 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055089.D (-2218) (-)

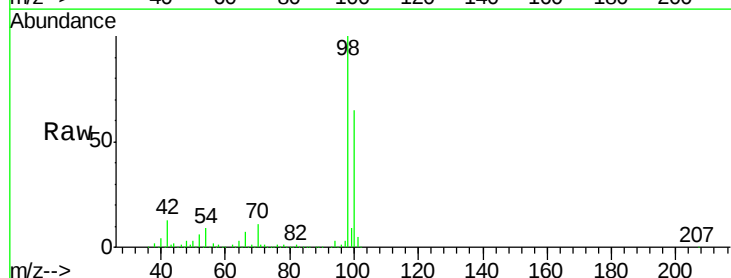
Ion 43.00 (42.70 to 43.70): VN055089.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055089.D (-2218) (-)



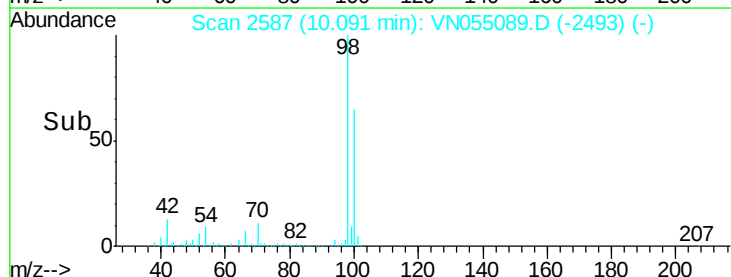
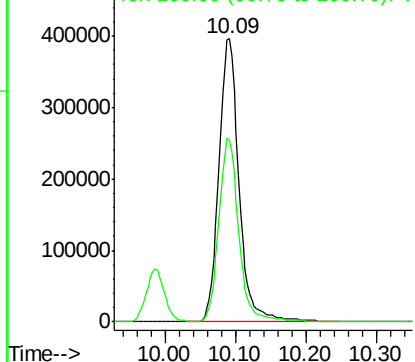
#50
Toluene-d8
Concen: 49.490 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	98	Resp	788757
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055089.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055089.D (-2493) (-)





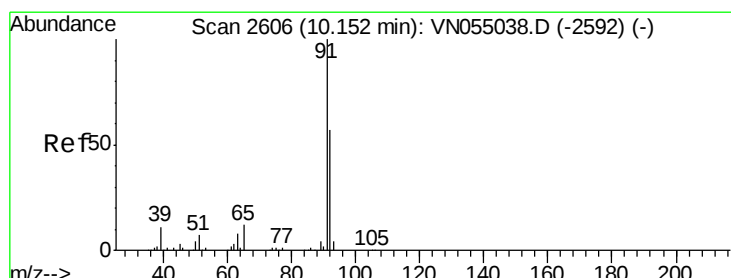
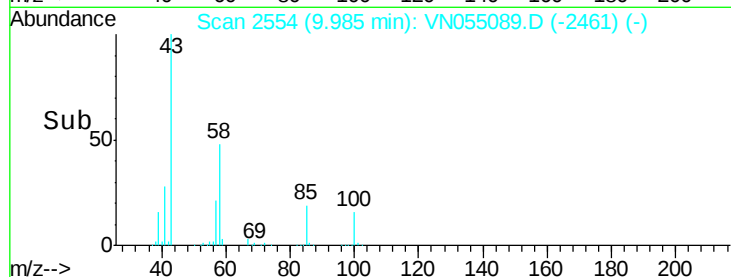
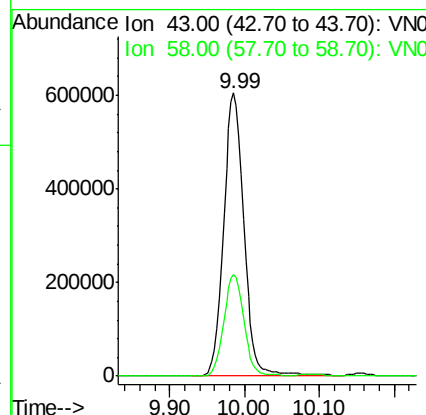
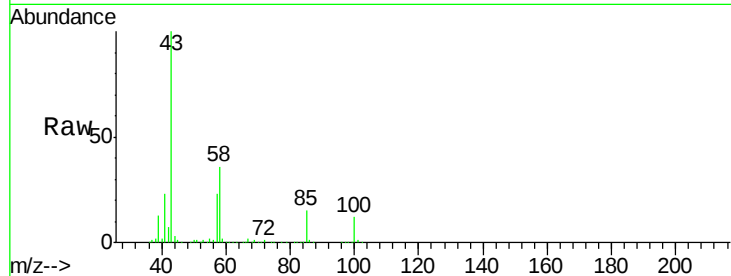
#51
4-Methyl-2-Pentanone
Concen: 248.432 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1130899
Ion Ratio Lower Upper
43 100
58 35.7 29.0 43.4

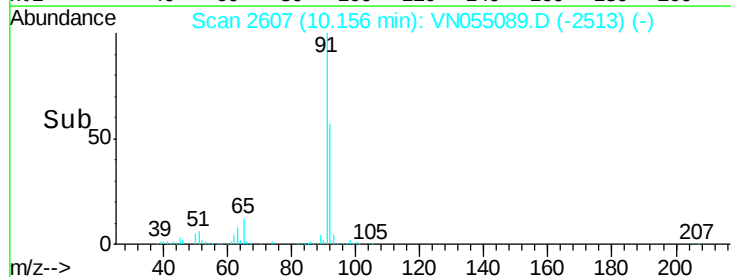
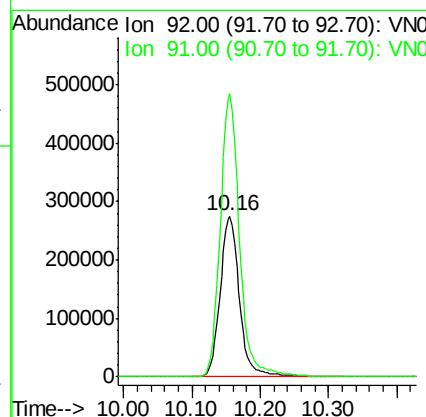
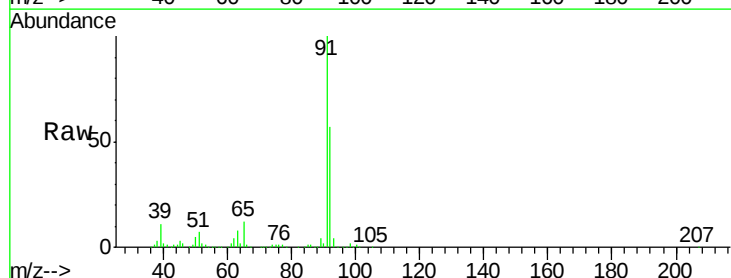
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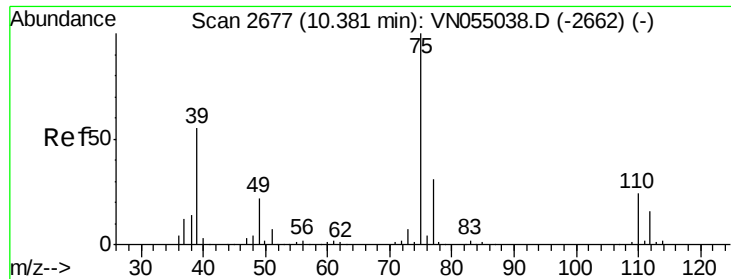
MMDadoda
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#52
Toluene
Concen: 49.857 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion: 92 Resp: 540574
Ion Ratio Lower Upper
92 100
91 176.1 140.8 211.2





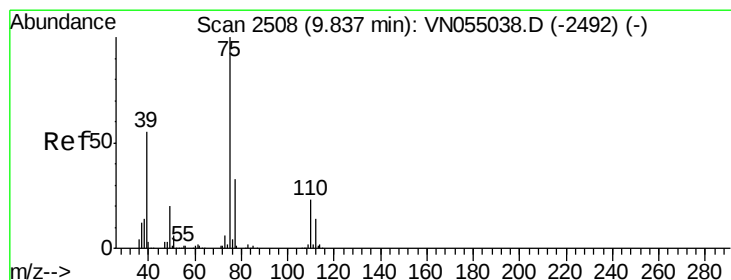
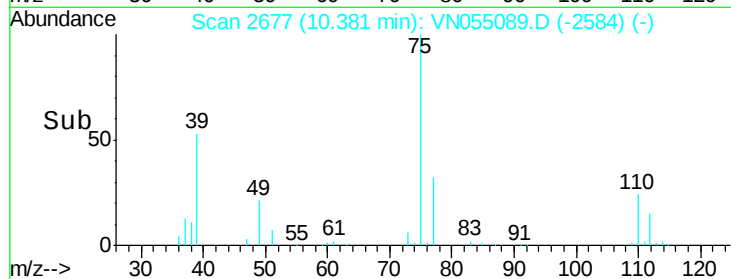
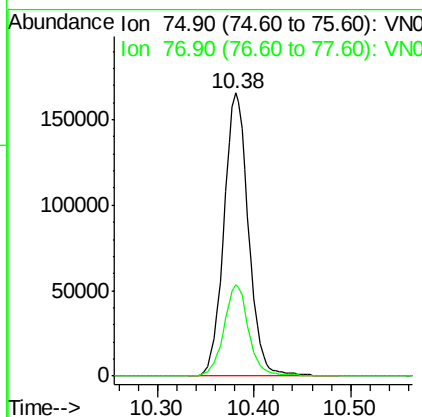
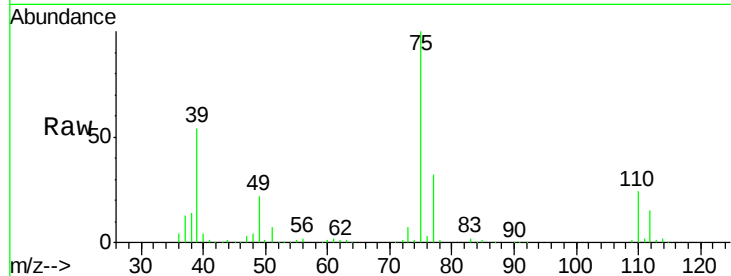
#53
 t-1,3-Dichloropropene
 Concen: 53.960 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 292161
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0

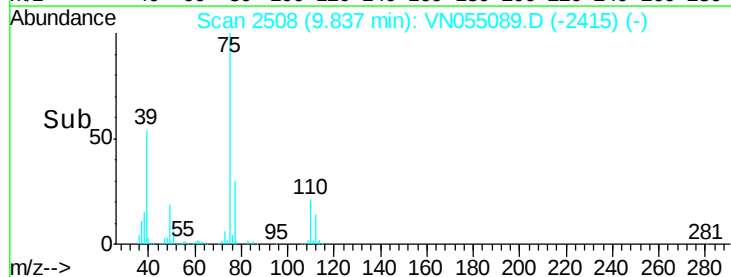
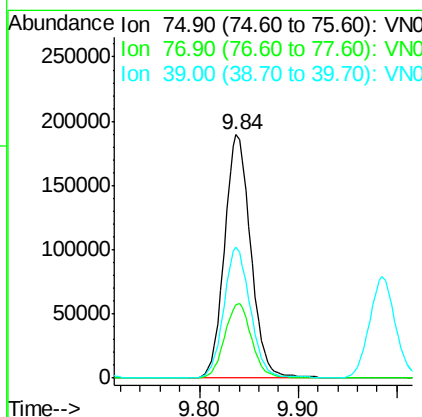
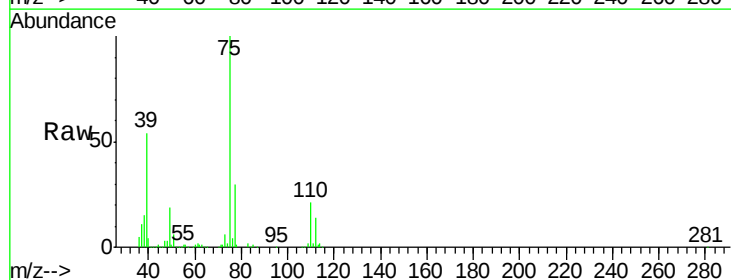
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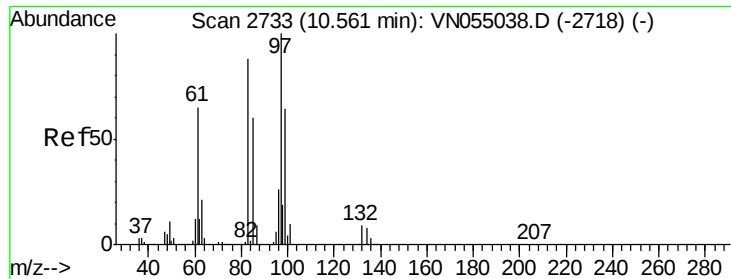
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#54
 cis-1,3-Dichloropropene
 Concen: 52.861 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion: 75 Resp: 355230
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.8 38.6
 39 53.7 43.8 65.8





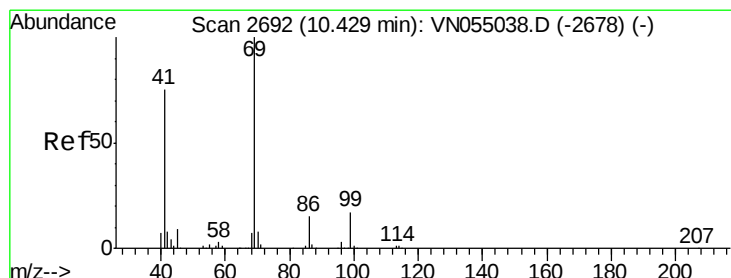
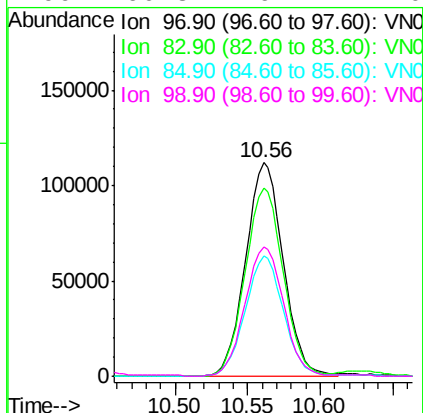
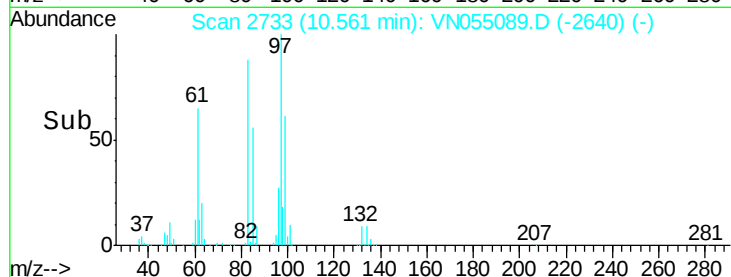
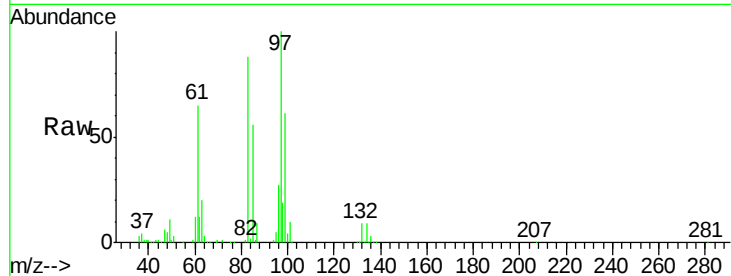
#55
 1,1,2-Trichloroethane
 Concen: 48.491 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	202564
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.5	105.7
85	56.1	45.5	68.3
99	60.3	49.4	74.0

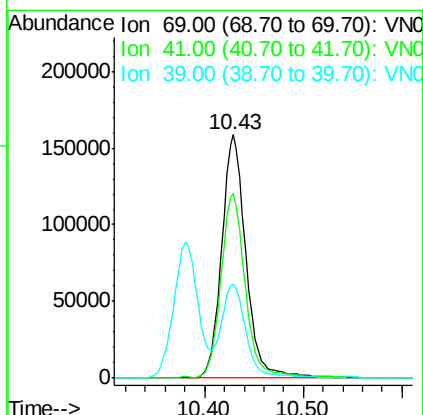
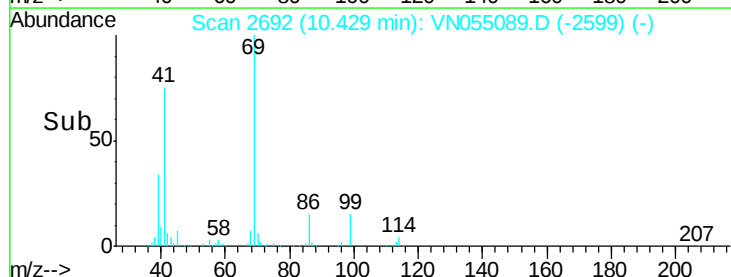
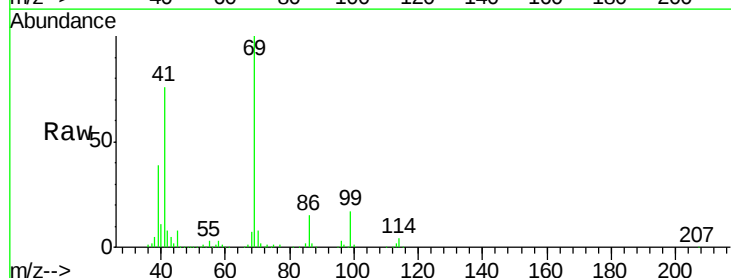
Manual Integrations
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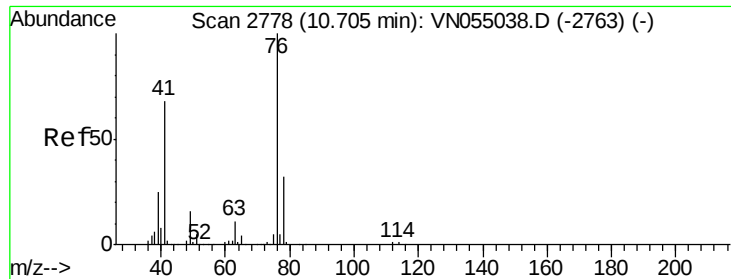
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#56
 Ethyl methacrylate
 Concen: 54.733 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion:	69	Resp:	274395
Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.4	92.0
39	38.8	30.8	46.2





#57

1,3-Dichloropropane

Concen: 50.761 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 361026

Ion Ratio Lower Upper

76 100

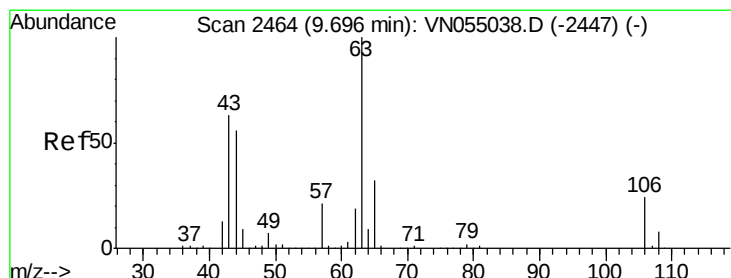
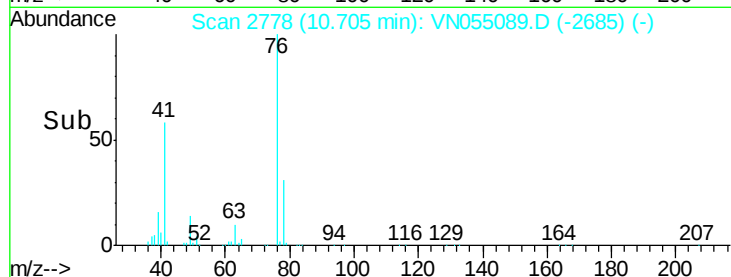
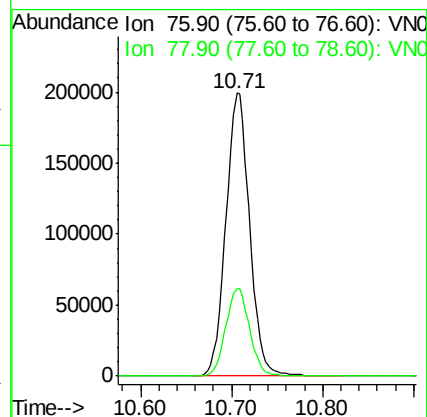
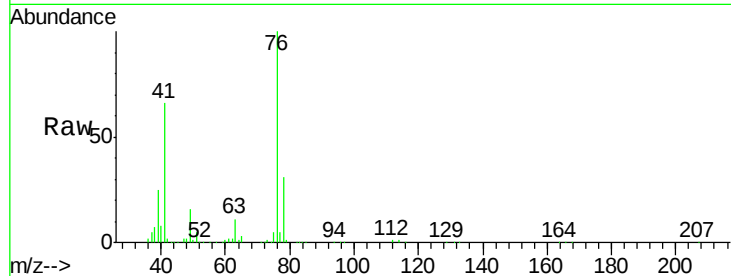
78 31.3 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 228.893 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055089.D

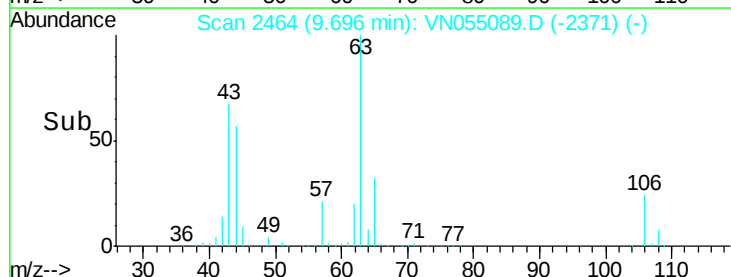
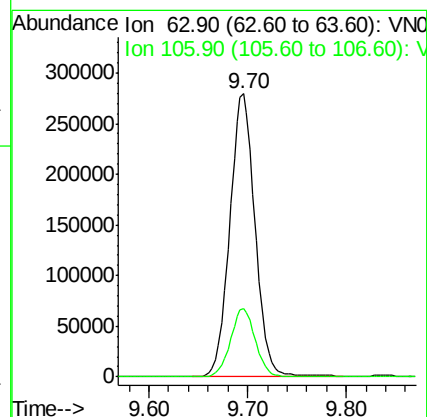
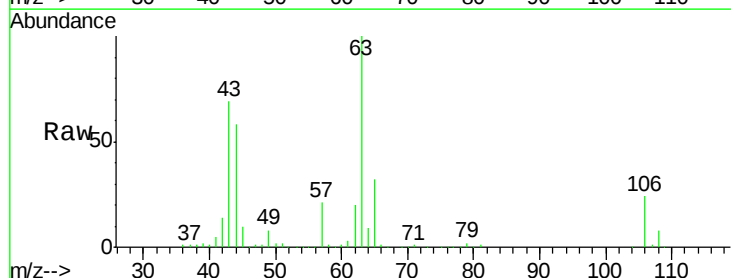
Acq: 16 Apr 2019 19:57

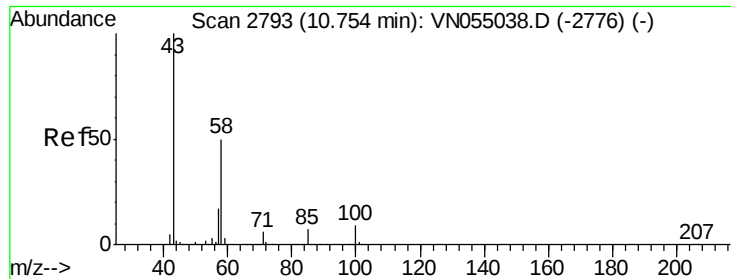
Tgt Ion: 63 Resp: 501932

Ion Ratio Lower Upper

63 100

106 23.7 20.0 30.0





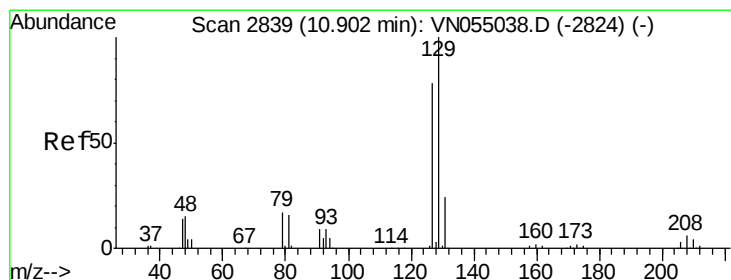
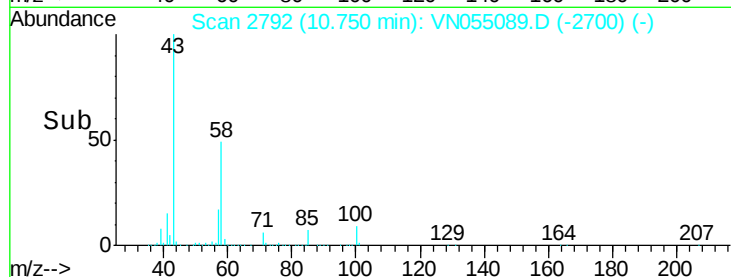
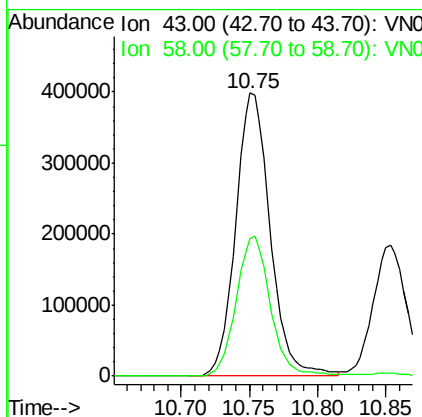
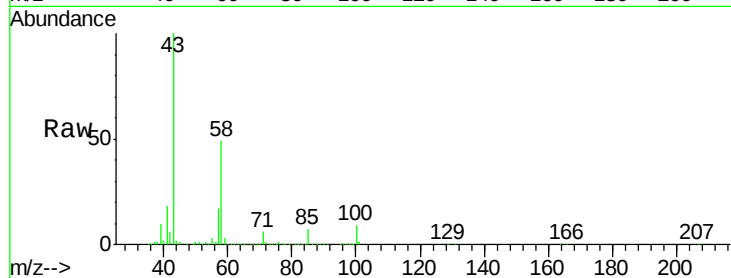
#59
2-Hexanone
Concen: 243.525 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	696281
Ion Ratio	100	Lower	Upper
43	100		
58	49.3	25.1	75.2

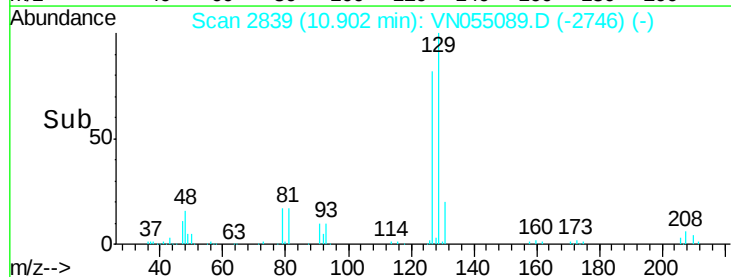
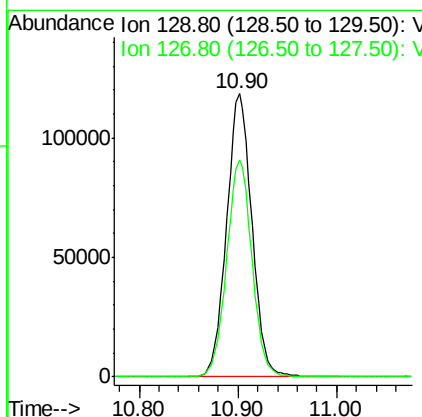
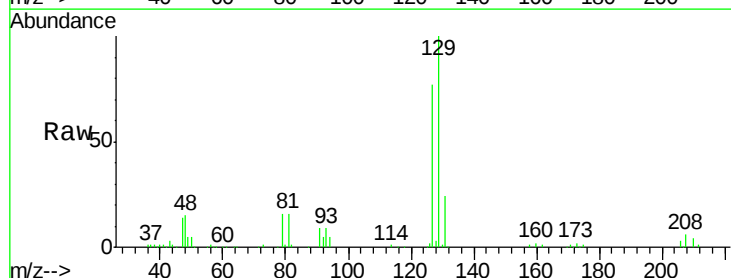
Manual Integrations
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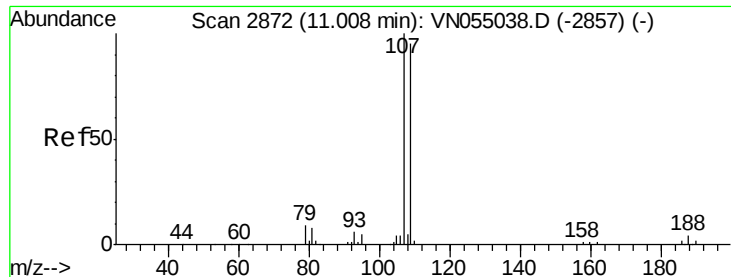
MMDadoda
4/17/2019 4:23:12 AM



#60
Dibromochloromethane
Concen: 52.136 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	129	Resp	212671
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	38.2	114.6





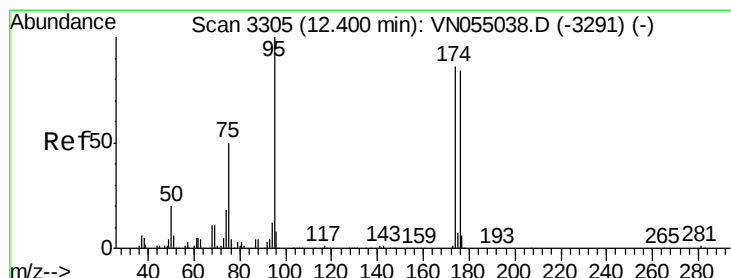
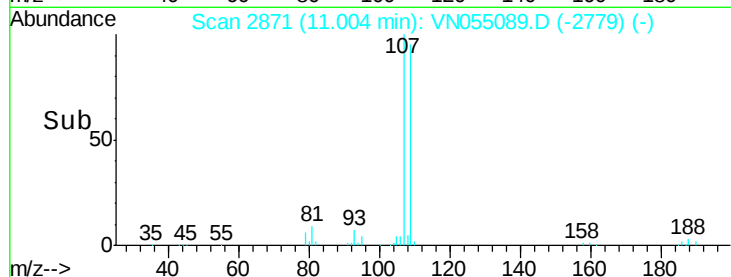
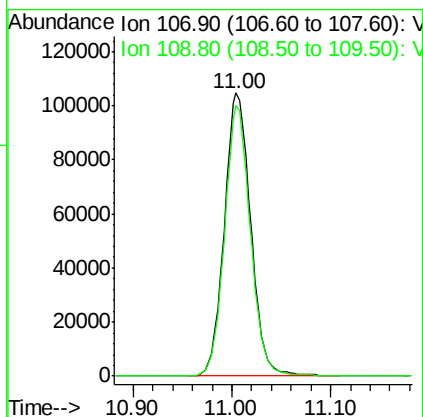
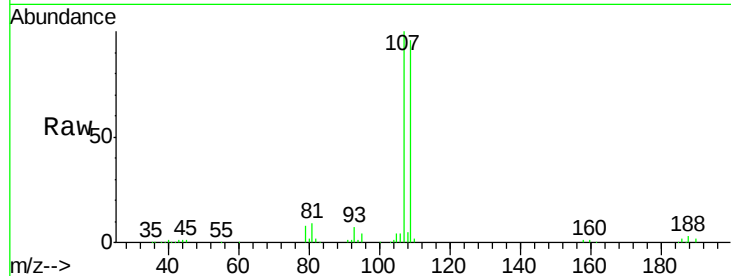
#61
 1,2-Dibromoethane
 Concen: 51.031 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.5	114.7

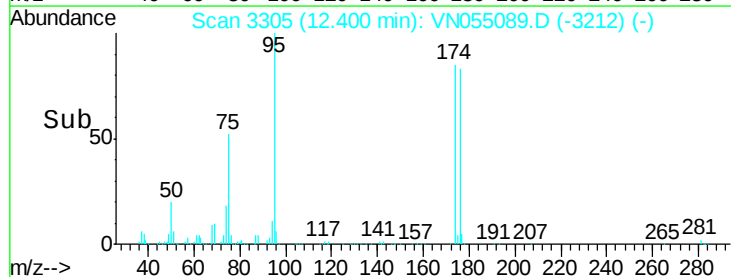
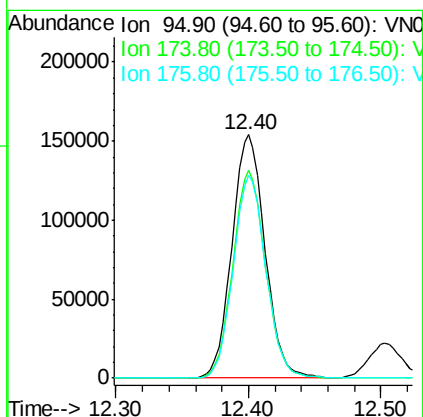
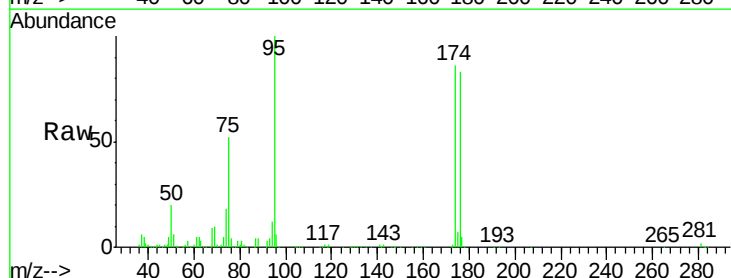
Manual Integrations
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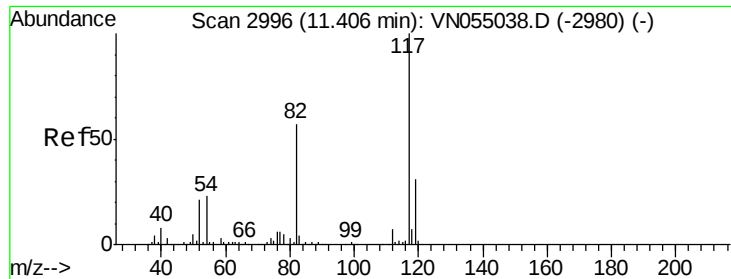
MMDadoda
 4/17/2019 4:23:12 AM



#62
 4-Bromofluorobenzene
 Concen: 51.446 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	174.4
176	82.4	0.0	166.8





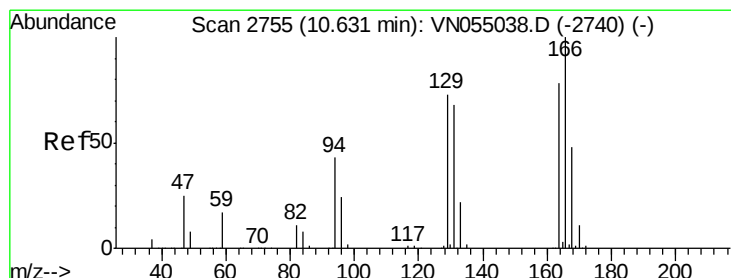
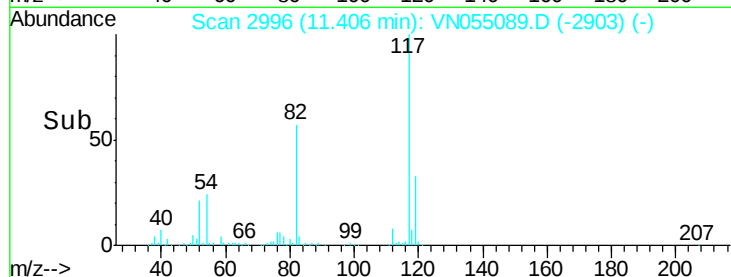
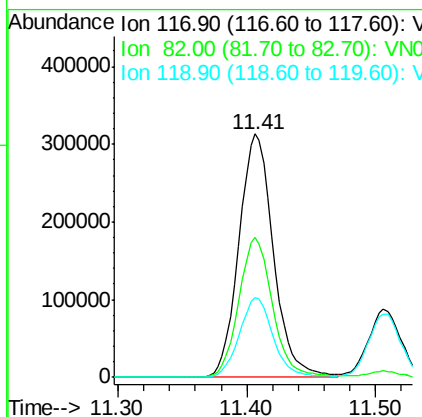
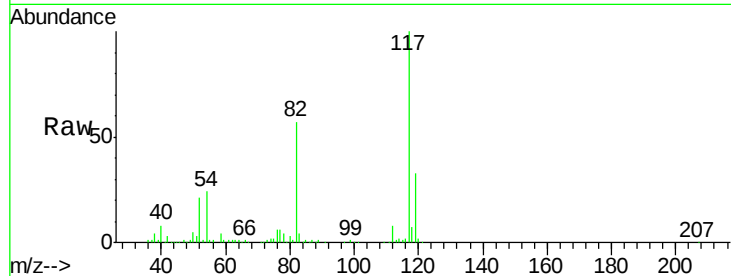
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	585272		
82	57.2		44.6	66.8
119	33.0		25.5	38.3

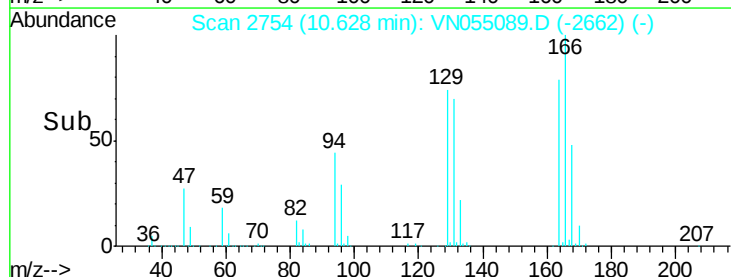
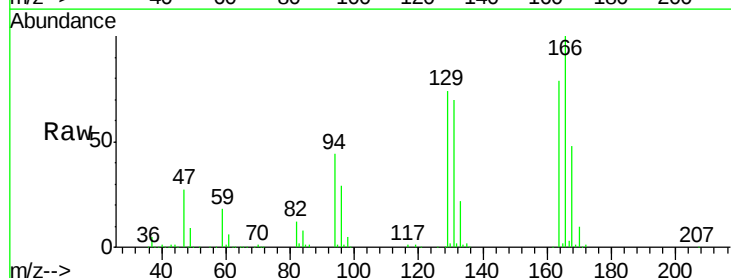
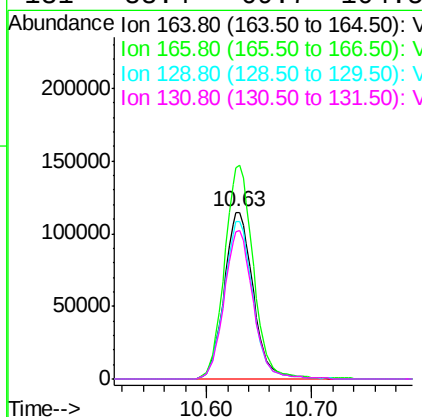
Manual Integrations
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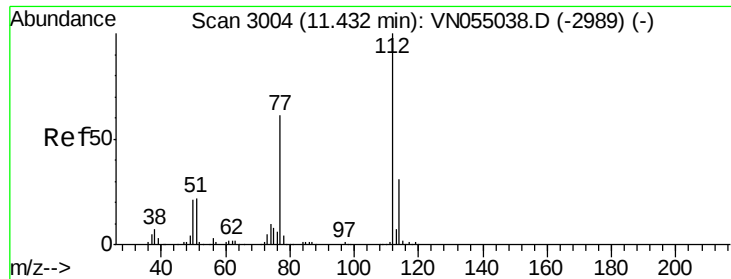
MMDadoda
4/17/2019 4:23:12 AM



#64
Tetrachloroethene
Concen: 45.738 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217679		
166	126.6		100.0	150.0
129	94.1		72.0	108.0
131	88.4		69.7	104.5





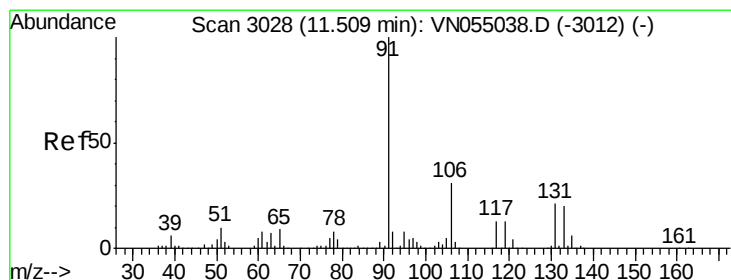
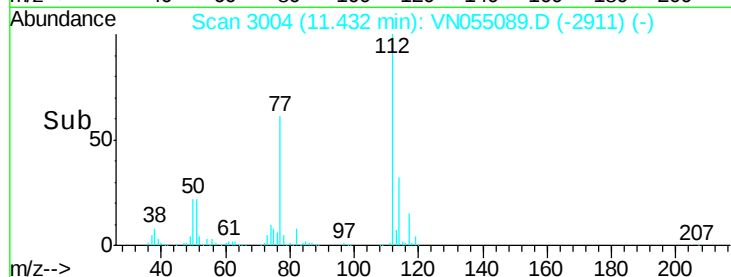
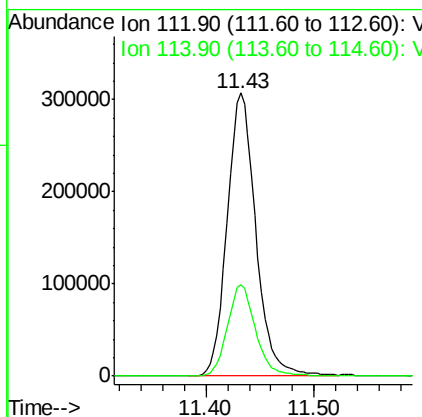
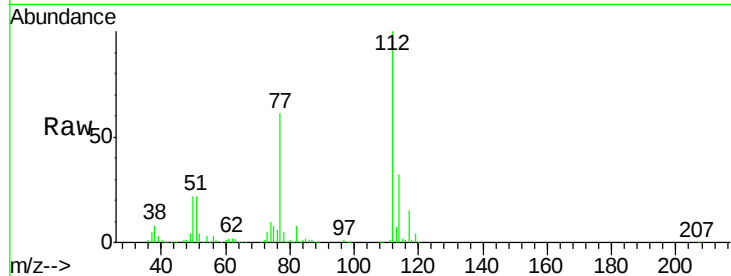
#65
Chlorobenzene
Concen: 48.421 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 570448
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

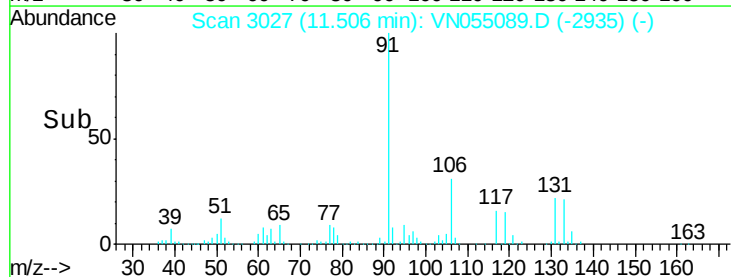
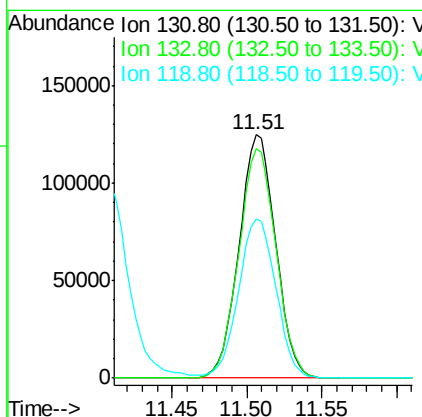
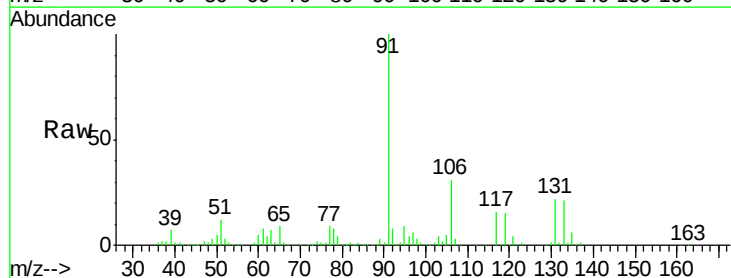
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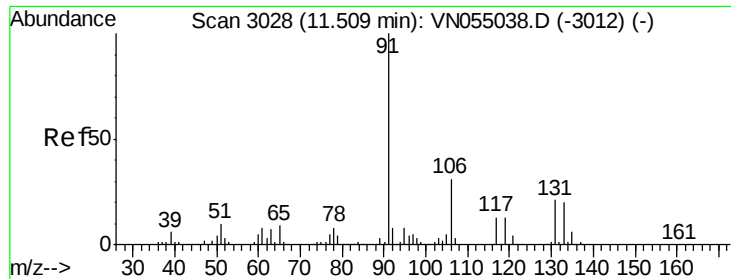
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.068 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion:131 Resp: 212610
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 67.0 33.6 100.6





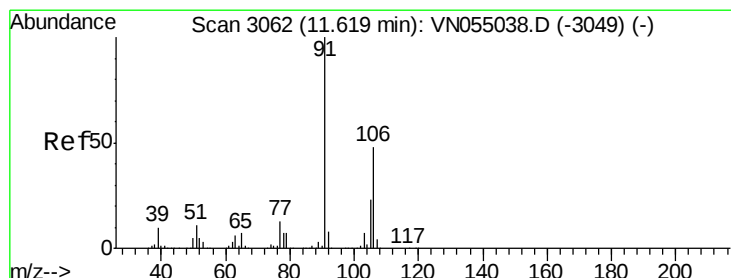
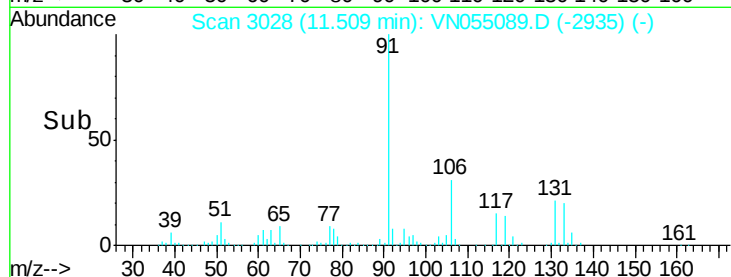
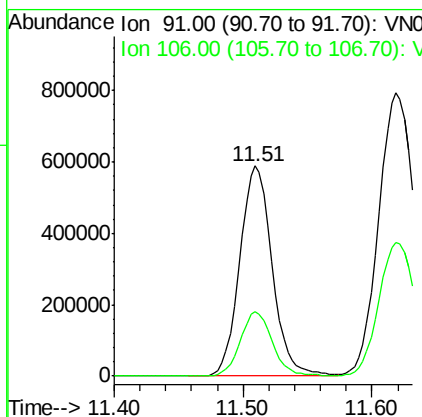
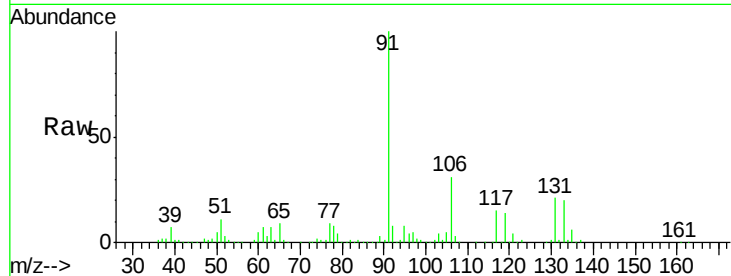
#67
Ethyl Benzene
Concen: 49.065 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1032259
Ion Ratio Lower Upper
91 100
106 30.8 24.3 36.5

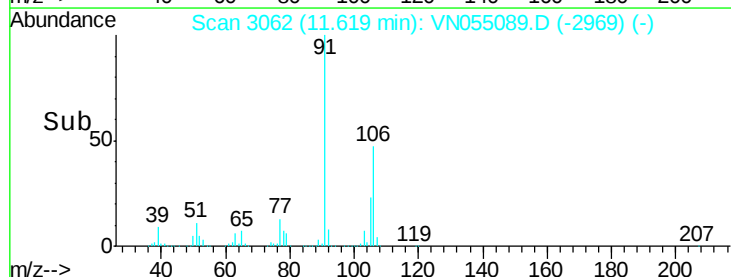
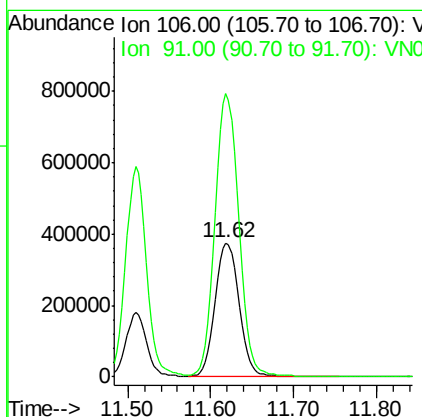
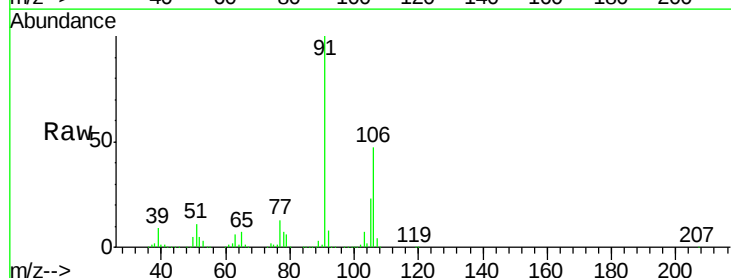
Manual Integrations
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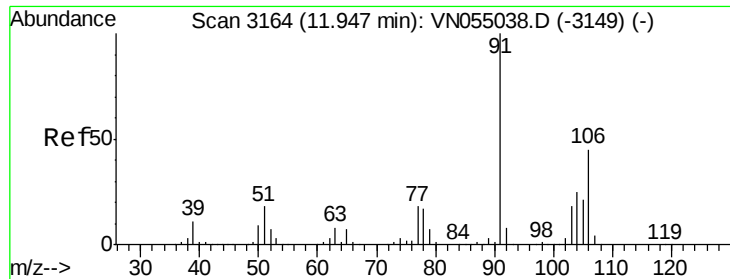
MMDadoda
4/17/2019 4:23:12 AM



#68
m/p-Xylenes
Concen: 99.658 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion: 106 Resp: 759239
Ion Ratio Lower Upper
106 100
91 209.5 165.9 248.9





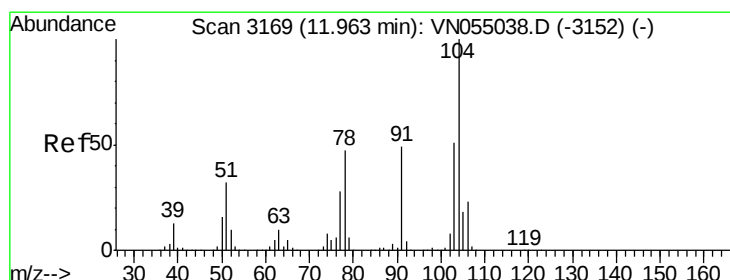
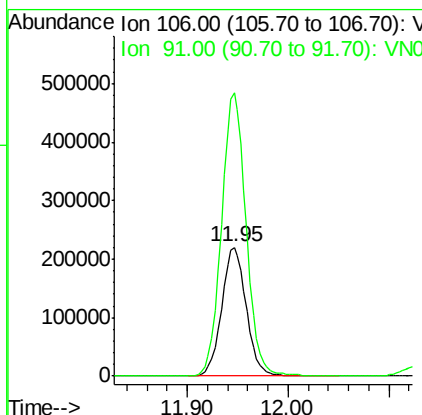
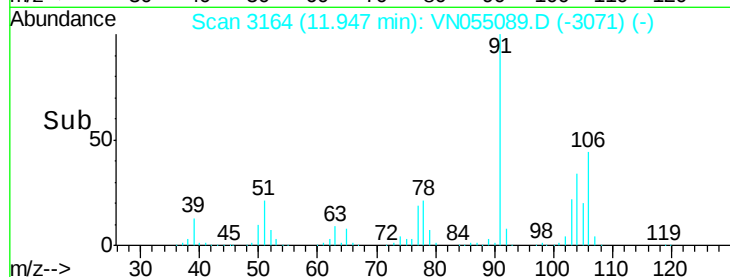
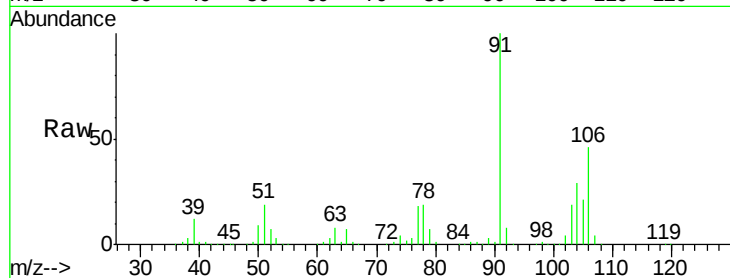
#69
o-Xylene
Concen: 50.709 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 374178
Ion Ratio Lower Upper
106 100
91 220.0 109.9 329.8

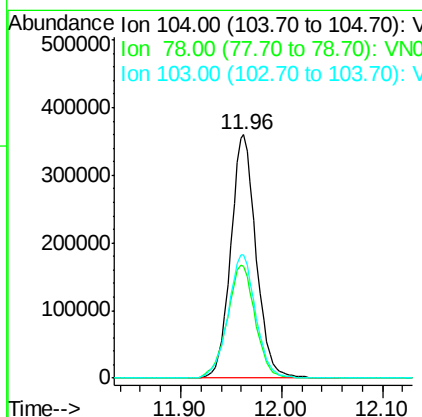
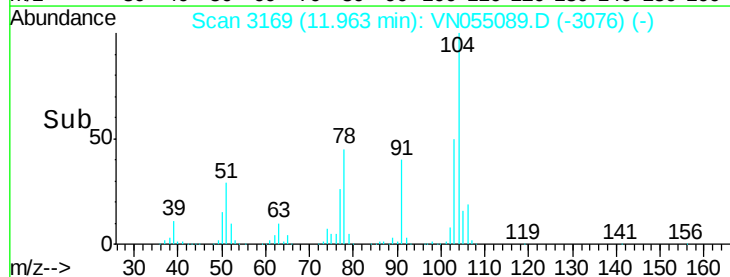
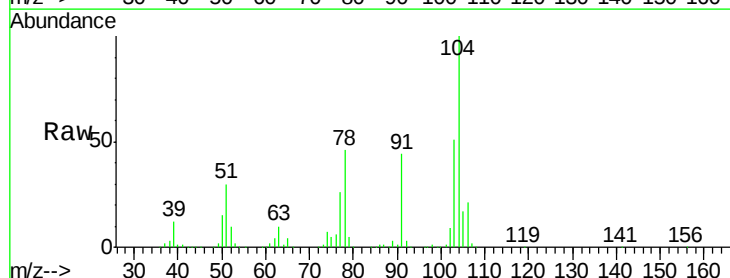
Manual Integrations
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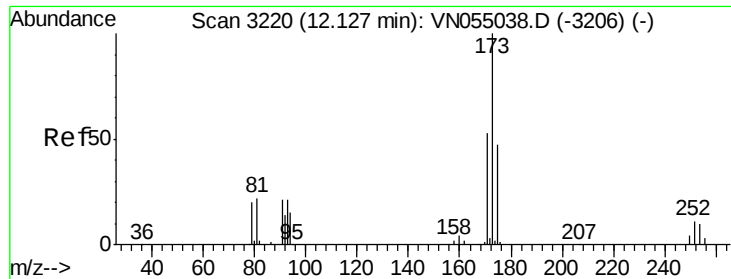
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#70
Styrene
Concen: 52.541 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion:104 Resp: 627563
Ion Ratio Lower Upper
104 100
78 51.4 40.3 60.5
103 55.5 44.3 66.5





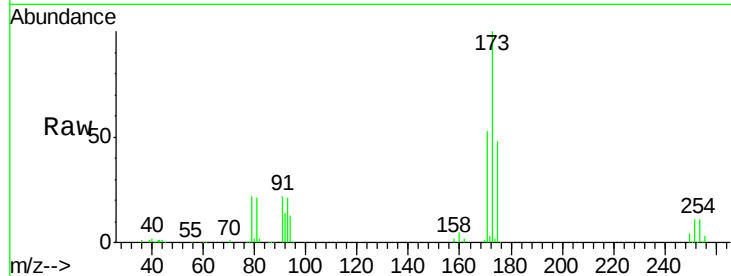
#71
Bromoform
Concen: 52.787 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

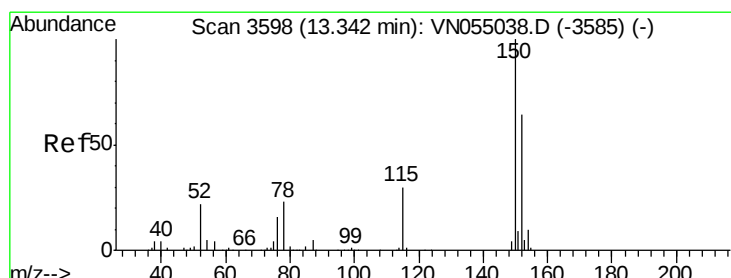
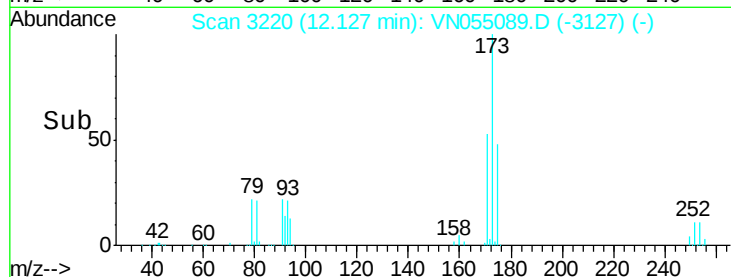
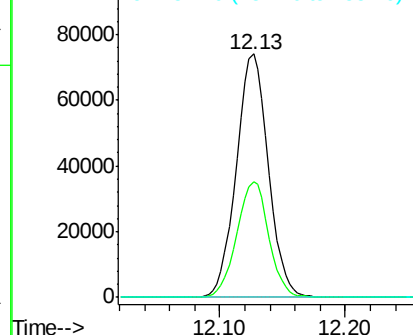
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	73.0
254	0.2	0.1	0.1#

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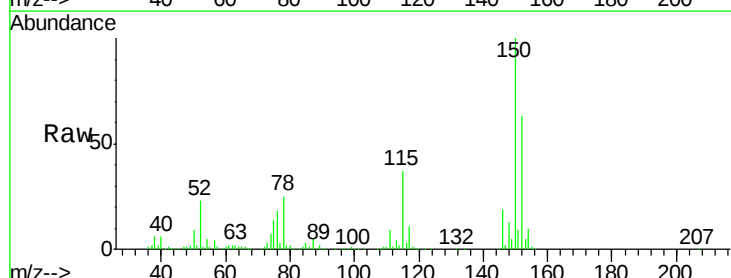


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

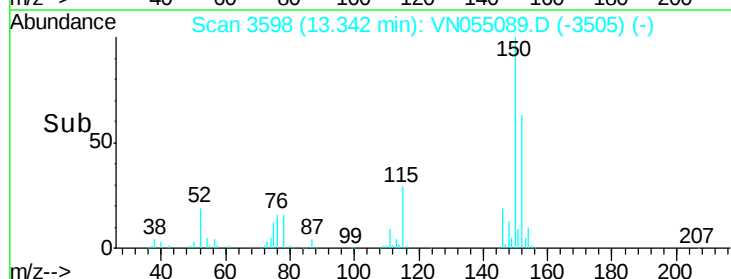
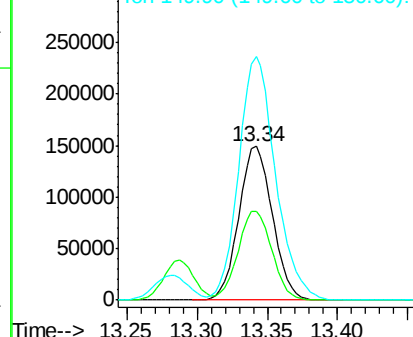


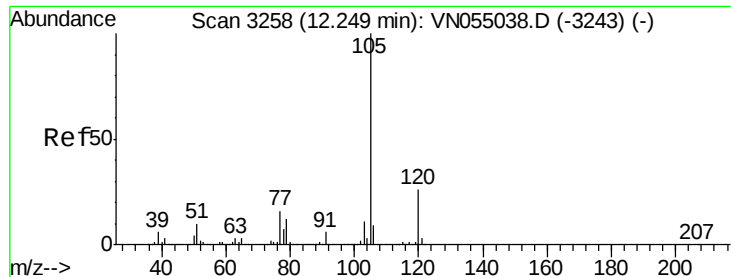
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.5	85.6
150	172.8	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





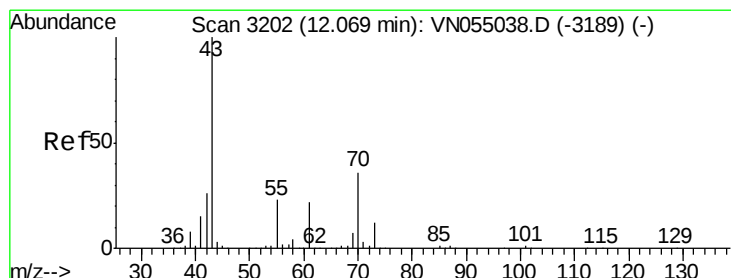
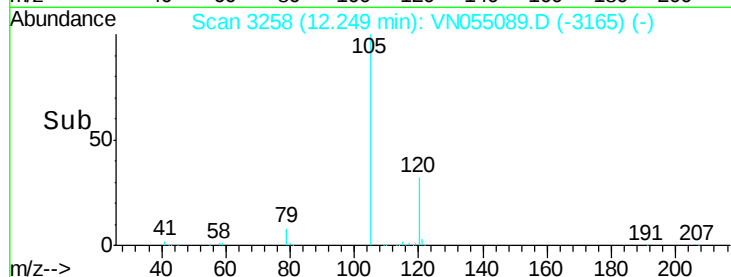
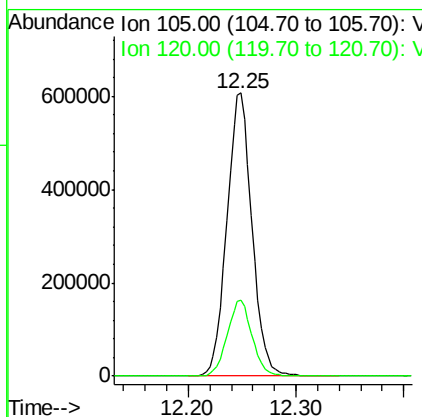
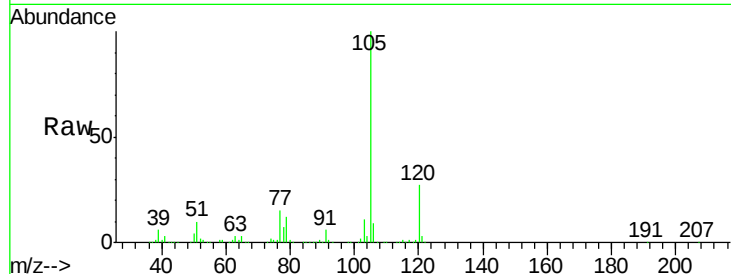
#73
Isopropylbenzene
Concen: 44.374 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9

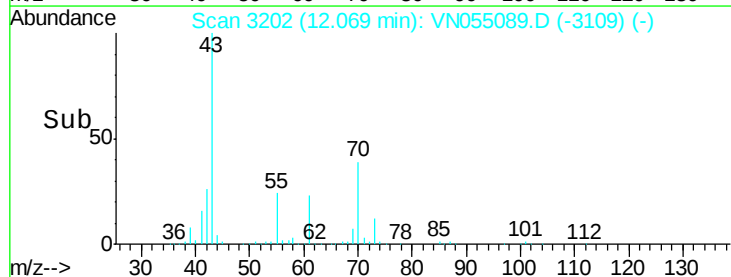
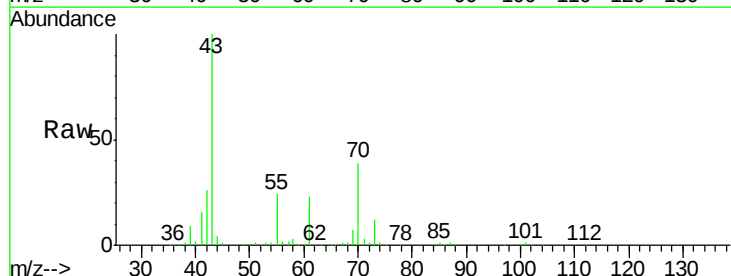
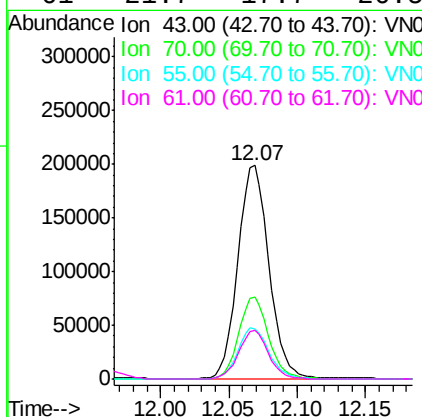
Manual Integrations
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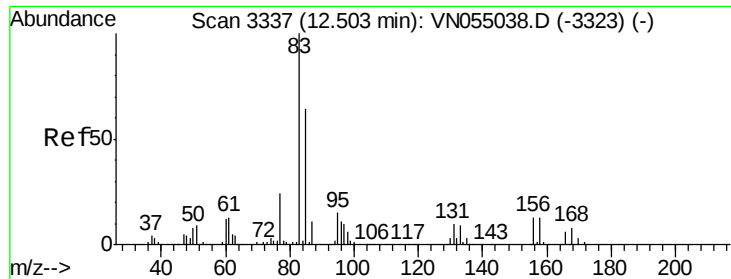
MMDadoda
4/17/2019 4:23:12 AM



#74
N-ethyl acetate
Concen: 50.313 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.1	29.4	44.0
55	24.1	19.0	28.4
61	21.7	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.568 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

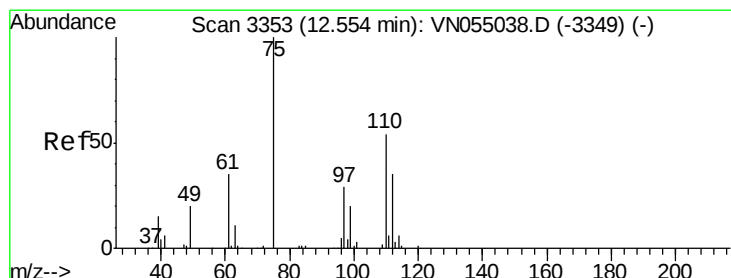
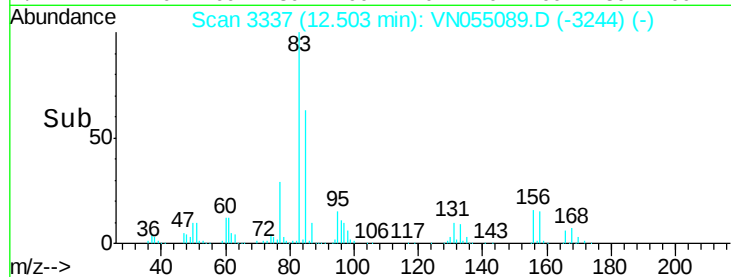
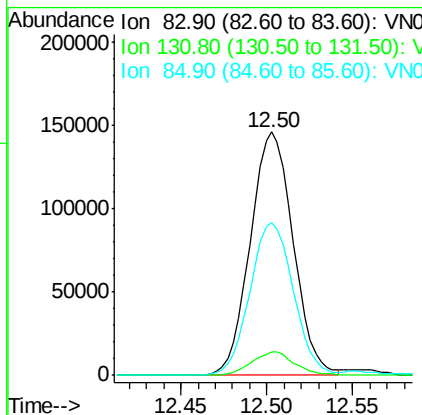
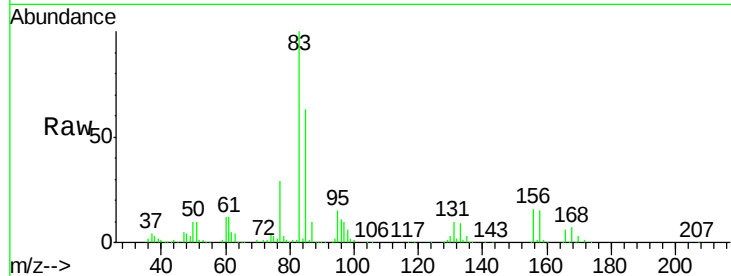
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	252401
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	63.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.843 ug/l m

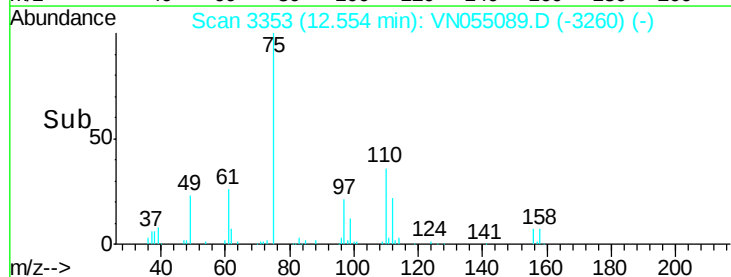
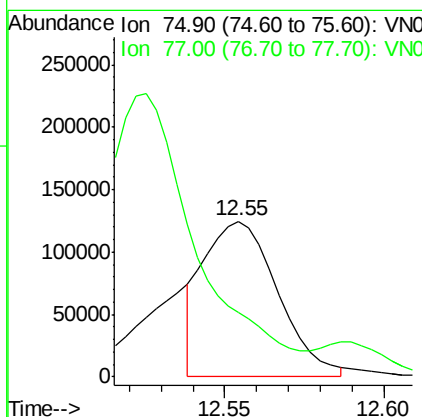
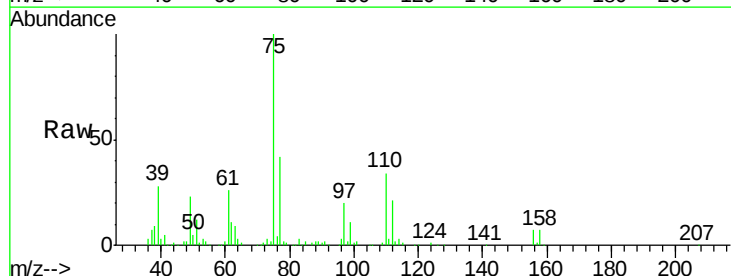
RT: 12.55 min Scan# 3353

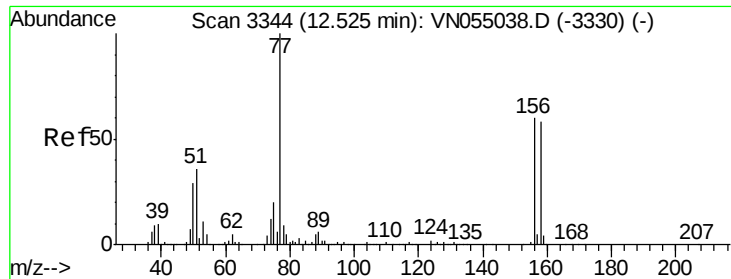
Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Tgt Ion:	75	Resp:	201369
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





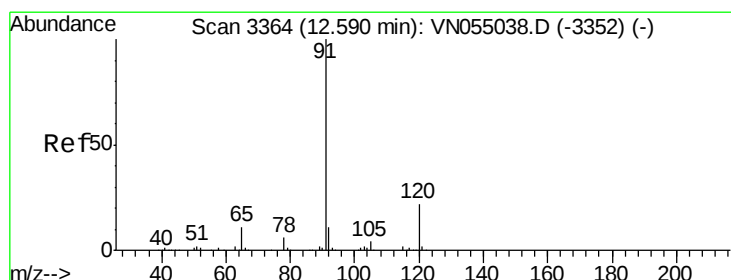
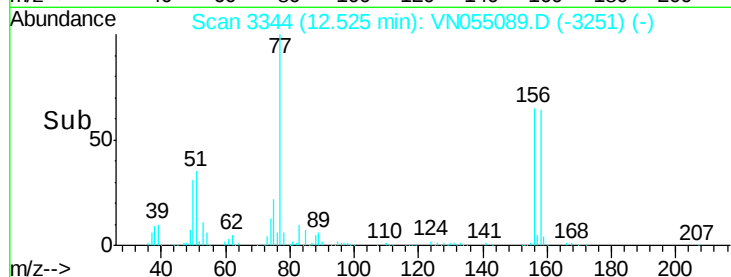
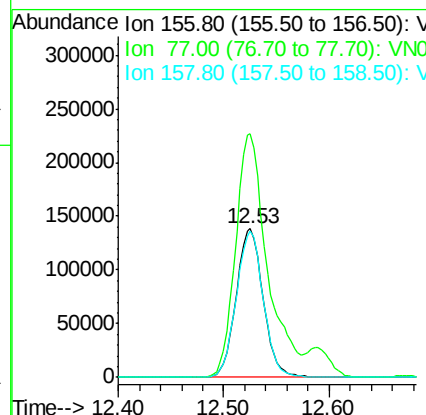
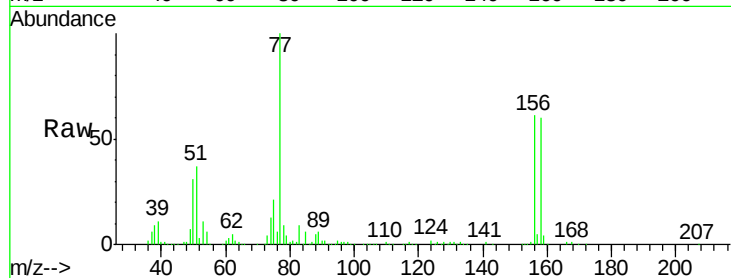
#77
Bromobenzene
Concen: 44.422 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.0	97.2	291.5
158	98.2	48.6	145.9

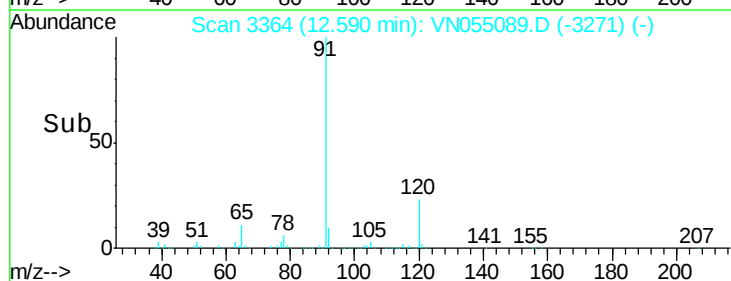
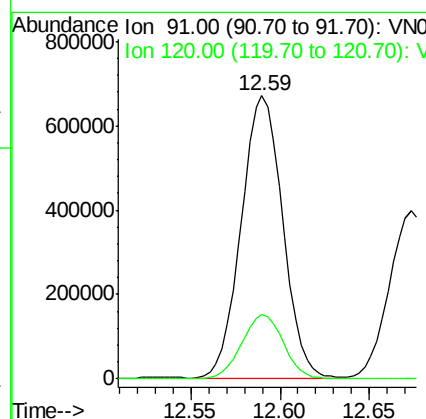
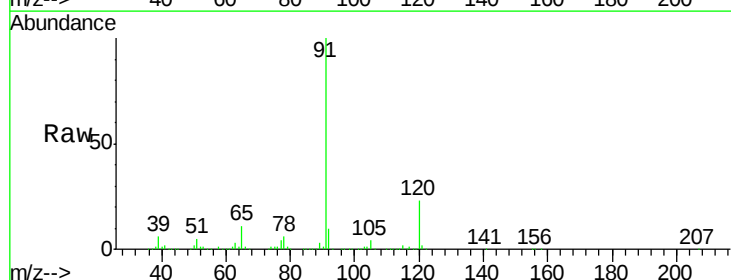
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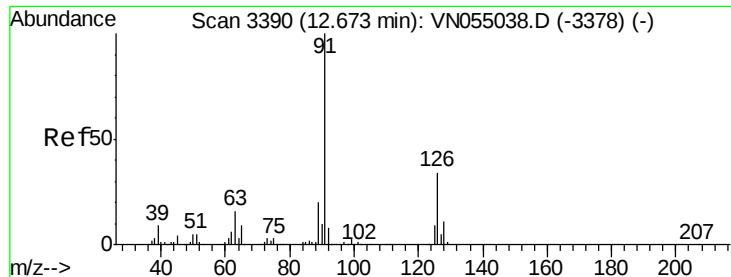
MMDadoda
4/17/2019 4:23:12 AM



#78
n-propylbenzene
Concen: 45.287 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 45.044 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 672640

Ion Ratio Lower Upper

91 100

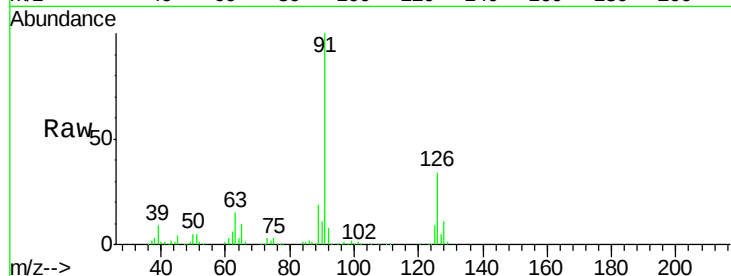
126 34.1 17.1 51.2

Manual Integrations

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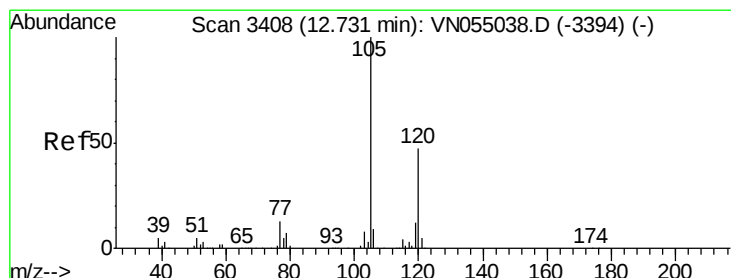
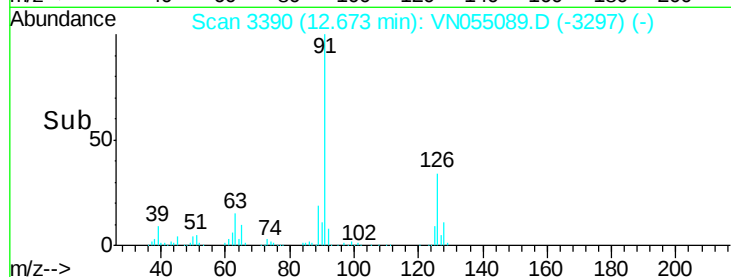
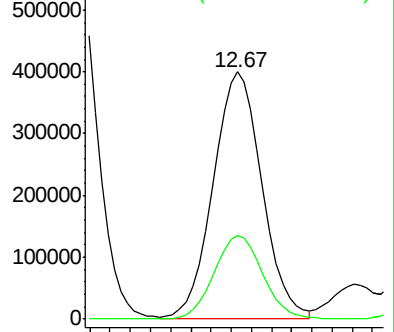
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Abundance Ion 91.00 (90.70 to 91.70): VN055089.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055089.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.259 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055089.D

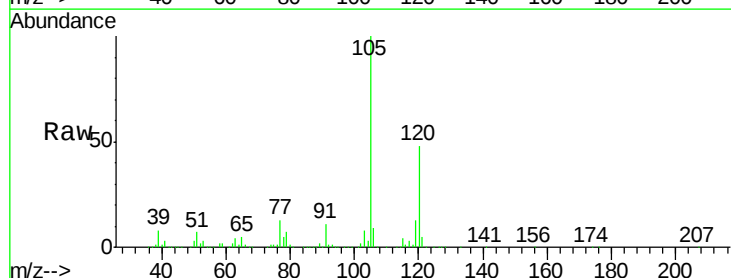
Acq: 16 Apr 2019 19:57

Tgt Ion: 105 Resp: 809329

Ion Ratio Lower Upper

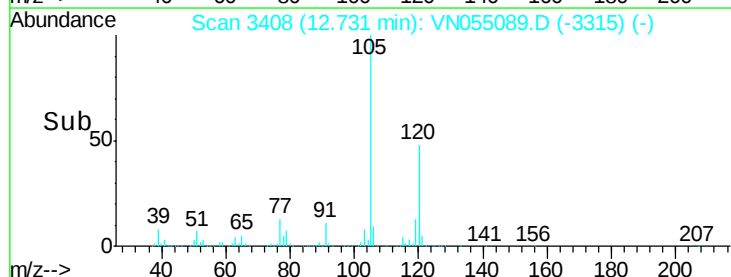
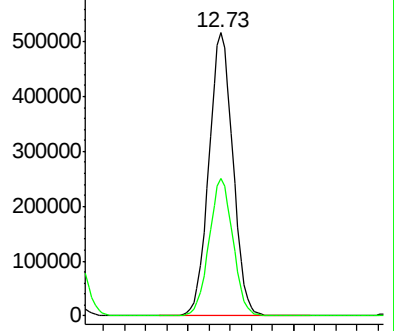
105 100

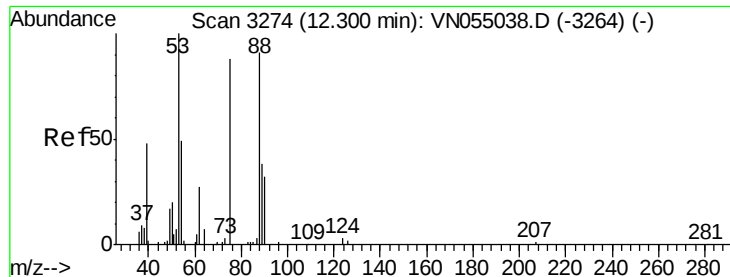
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055089.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055089.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.082 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 56239

Ion Ratio Lower Upper

75 100

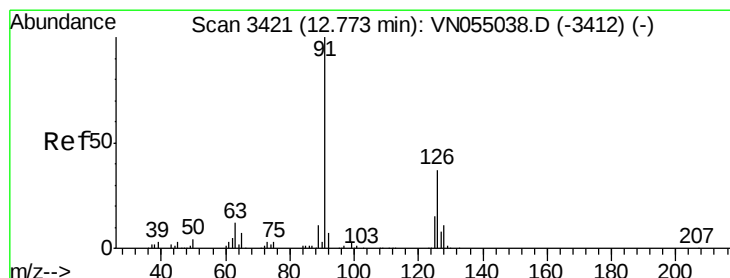
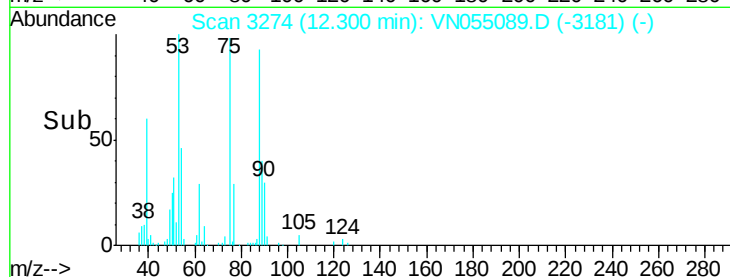
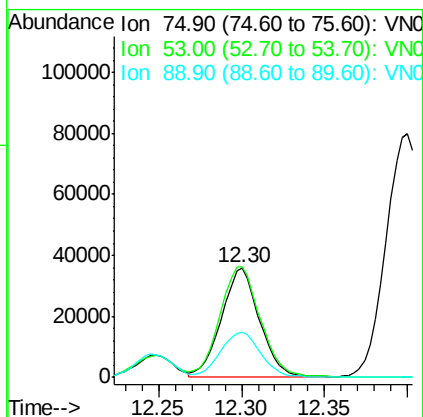
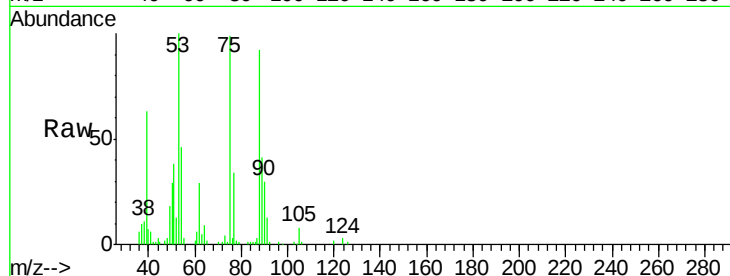
53 108.8 96.3 144.5

89 44.7 38.6 57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.440 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055089.D

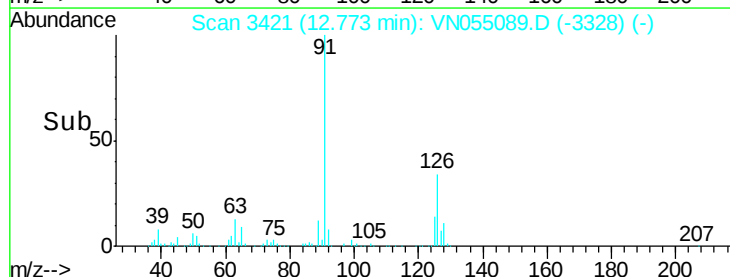
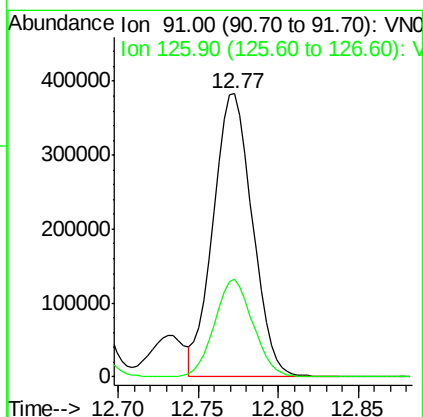
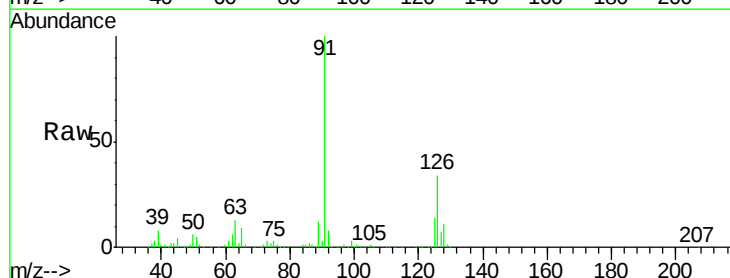
Acq: 16 Apr 2019 19:57

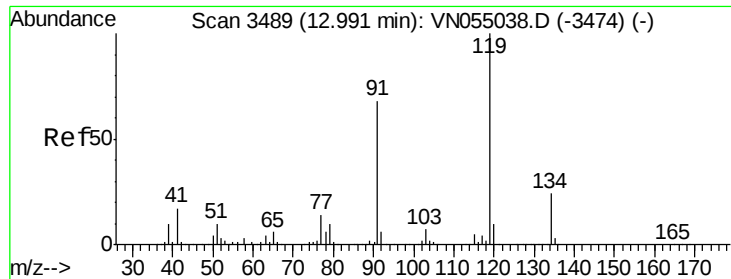
Tgt Ion: 91 Resp: 647002

Ion Ratio Lower Upper

91 100

126 33.8 16.4 49.2





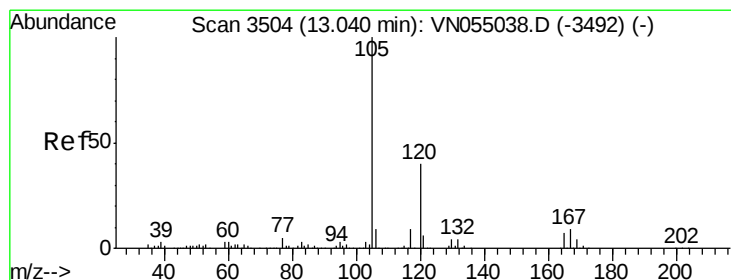
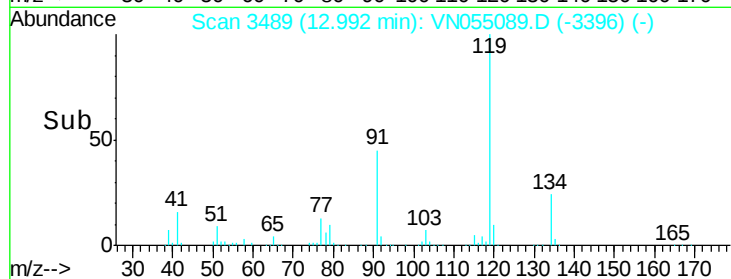
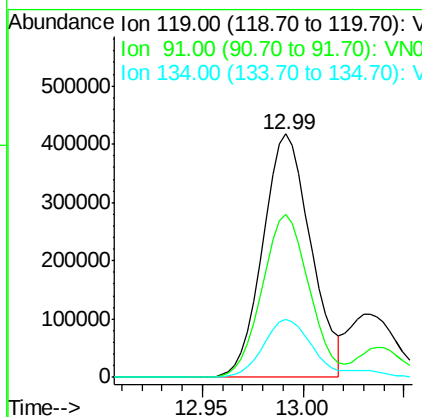
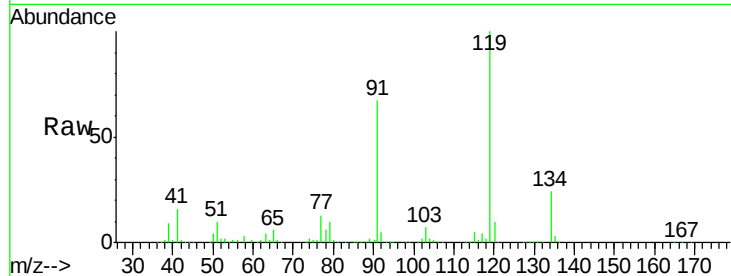
#83
 tert-Butylbenzene
 Concen: 45.742 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	690798		
91	65.9	33.3	99.8	
134	26.1	12.3	36.9	

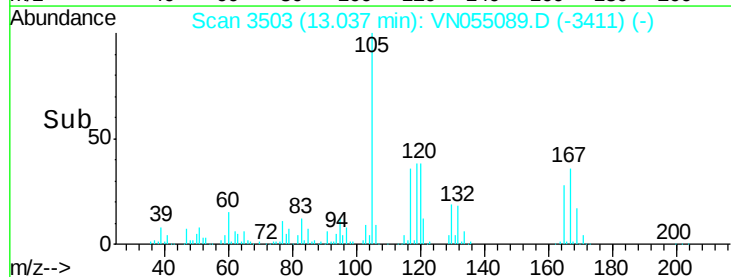
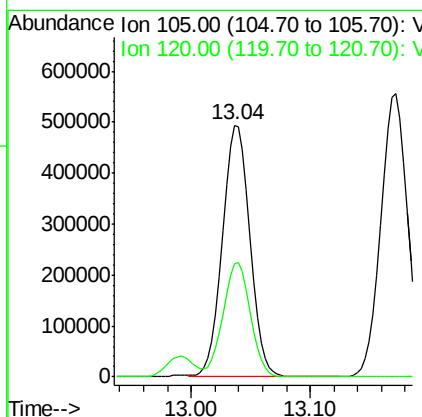
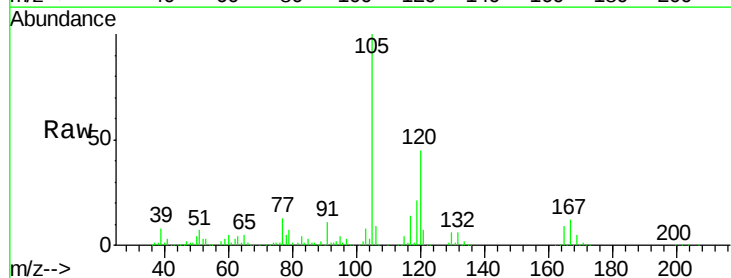
Manual Integrations
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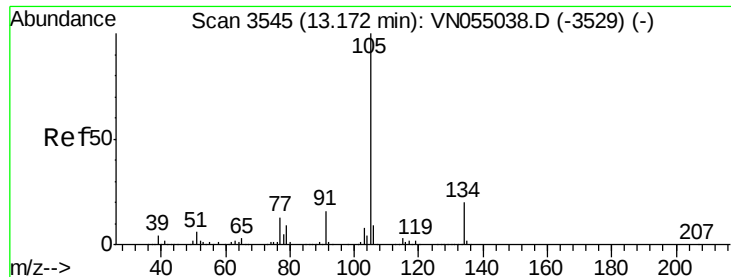
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.675 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	790989		
120	45.2	22.4	67.3	





#85

sec-Butylbenzene

Concen: 45.619 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 877865

Ion Ratio Lower Upper

105 100

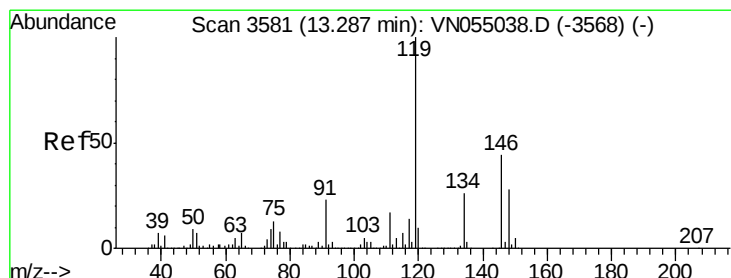
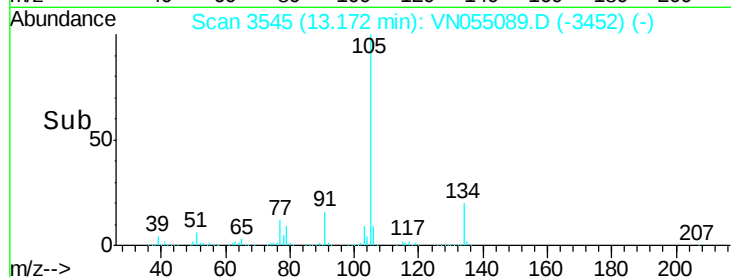
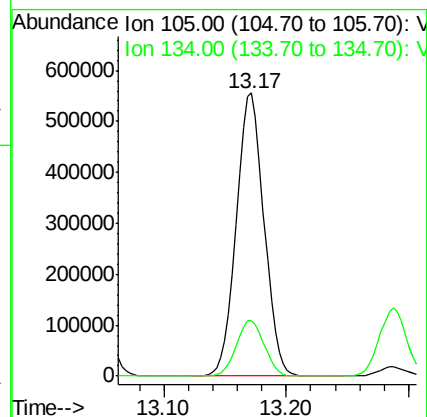
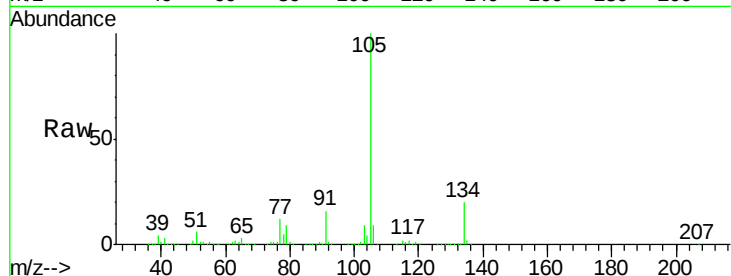
134 19.8 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.849 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

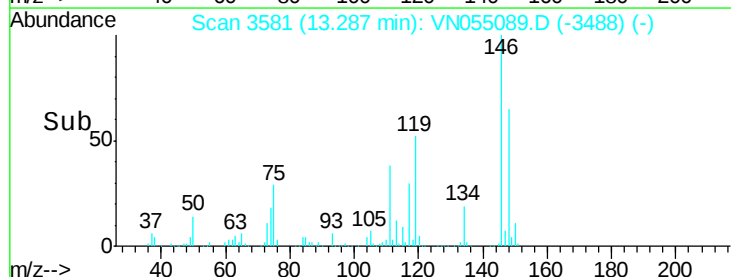
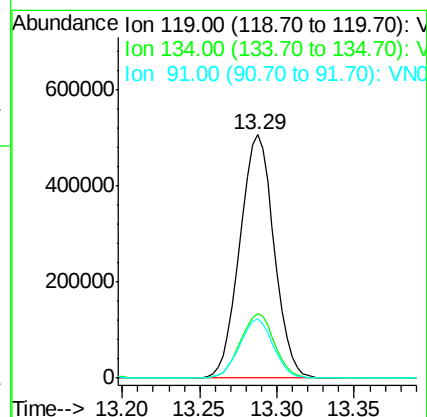
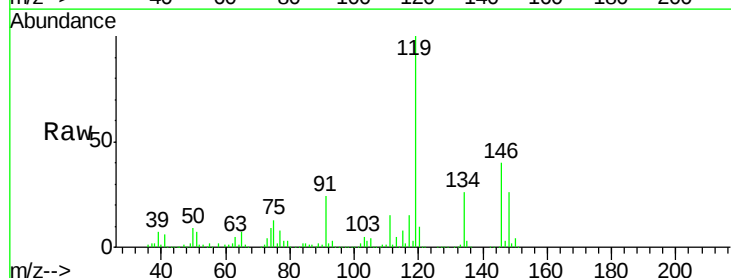
Tgt Ion:119 Resp: 773451

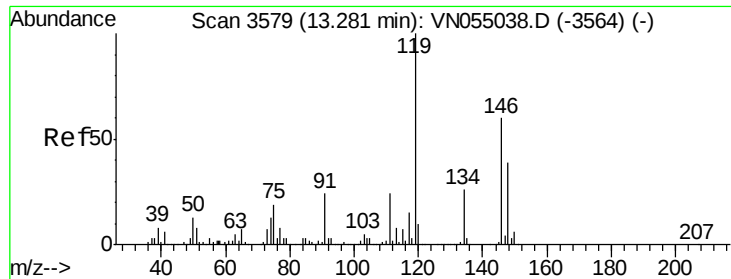
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 23.9 11.7 35.1





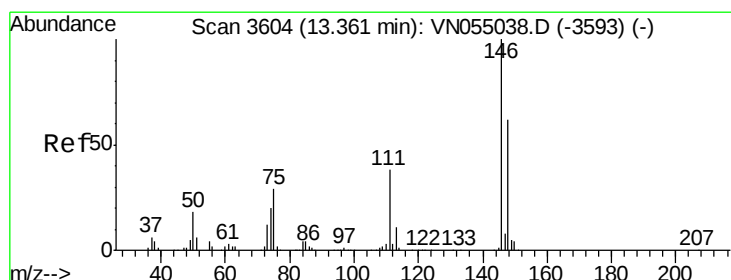
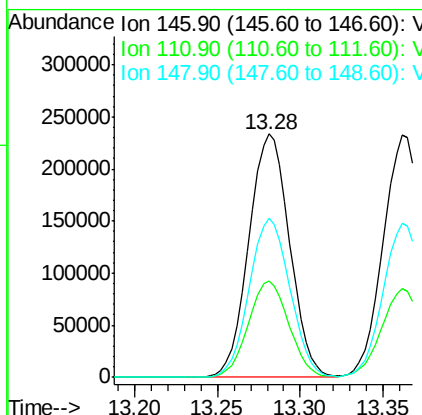
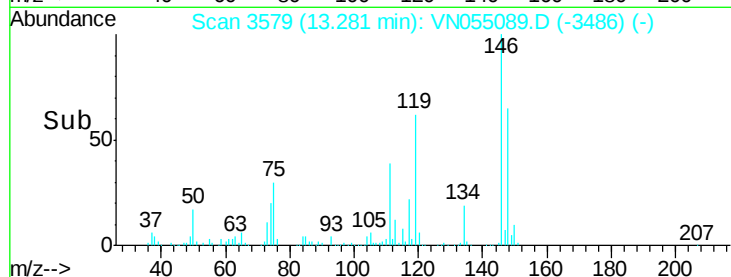
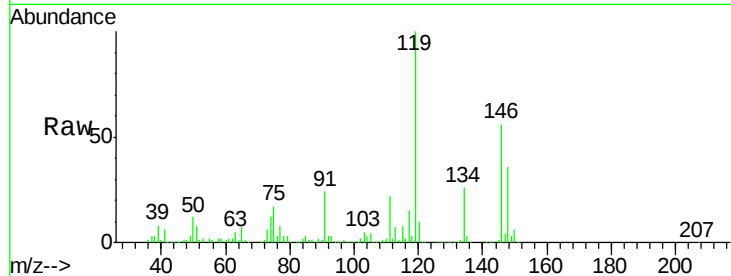
#87
 1,3-Dichlorobenzene
 Concen: 47.543 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	65.2	31.6	94.7

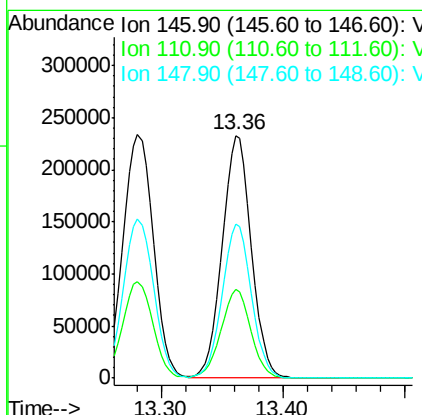
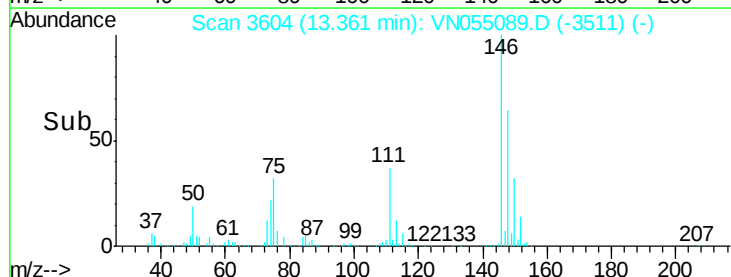
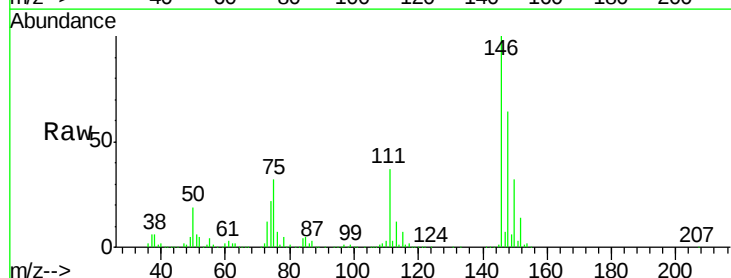
Manual Integrations
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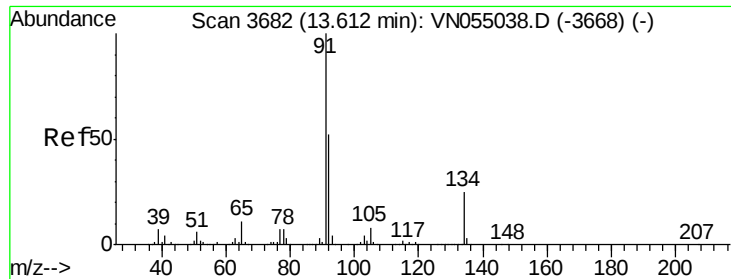
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#88
 1,4-Dichlorobenzene
 Concen: 48.628 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	63.9	32.4	97.2





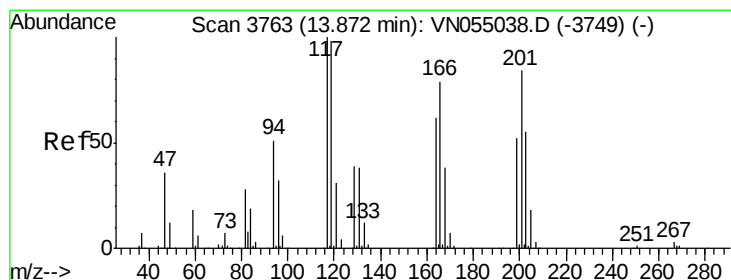
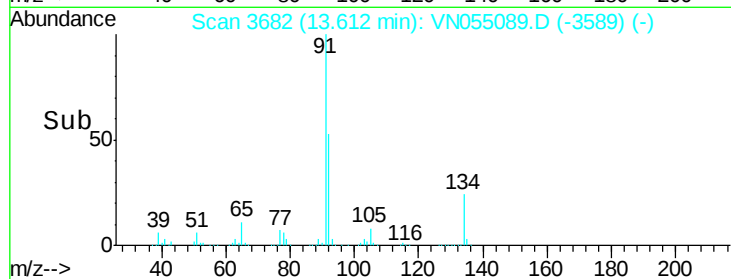
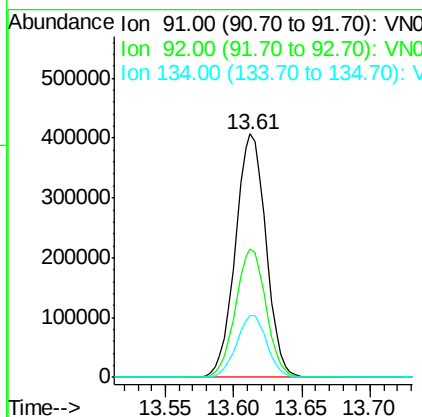
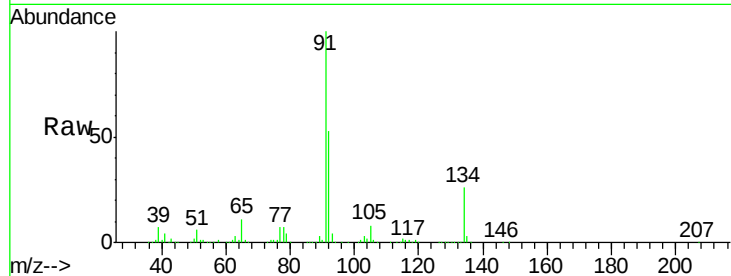
#89
n-Butylbenzene
Concen: 51.411 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.9	77.7
134	25.5	12.8	38.3

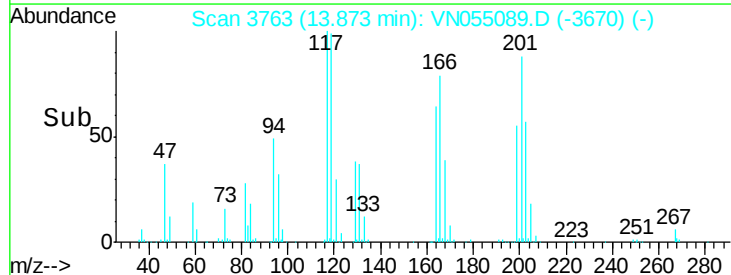
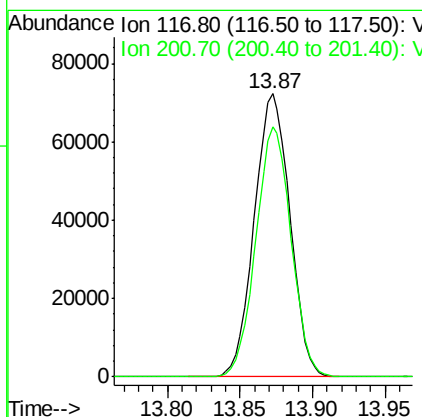
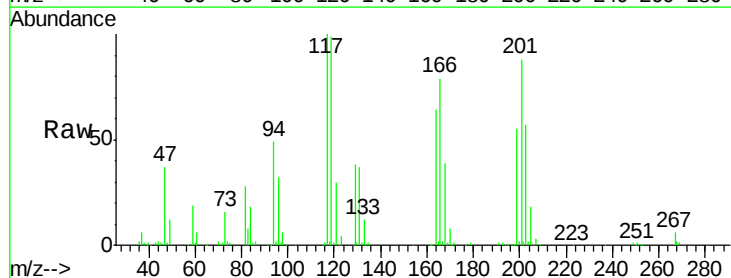
Manual Integrations
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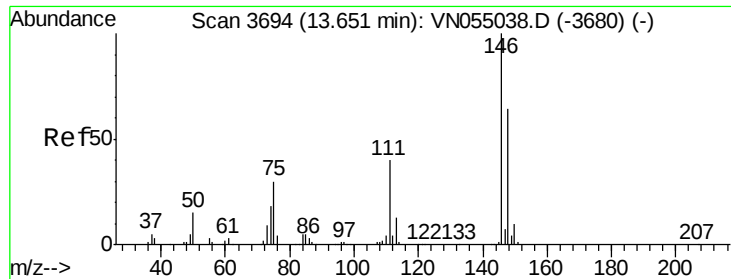
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#90
Hexachloroethane
Concen: 46.170 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055089.D
Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	43.4	130.2





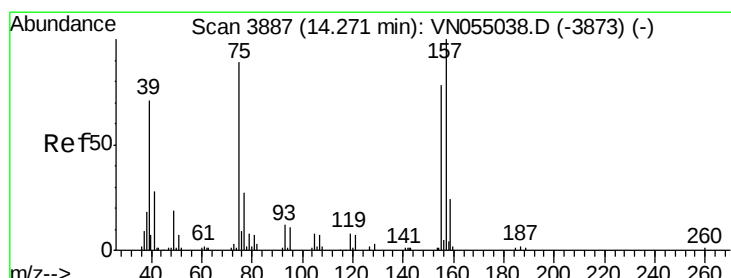
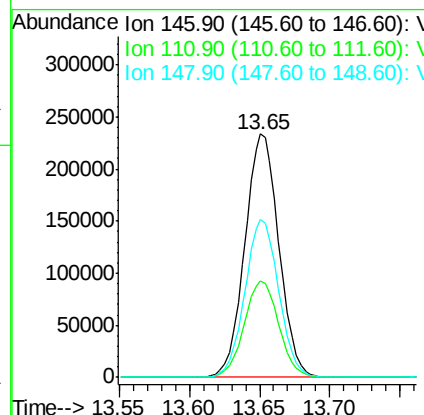
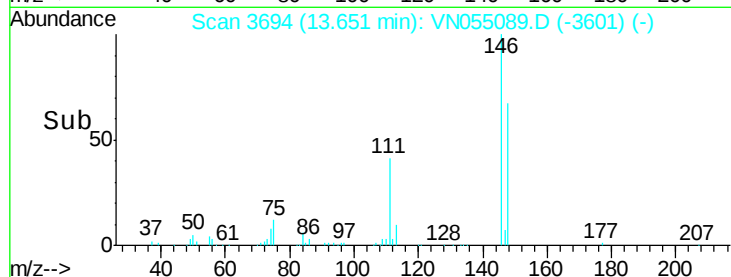
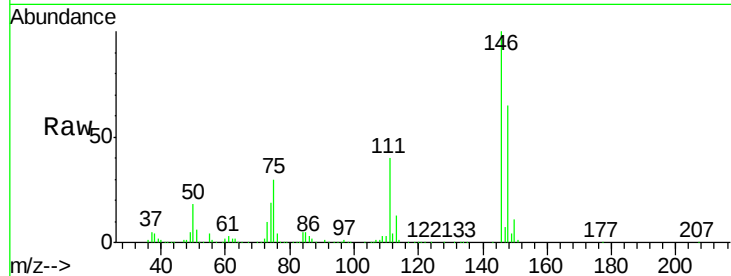
#91
 1,2-Dichlorobenzene
 Concen: 46.686 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	64.4	32.2	96.6

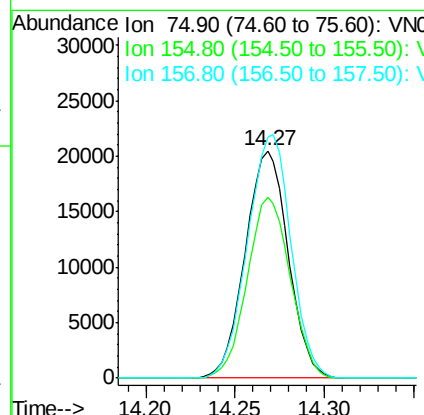
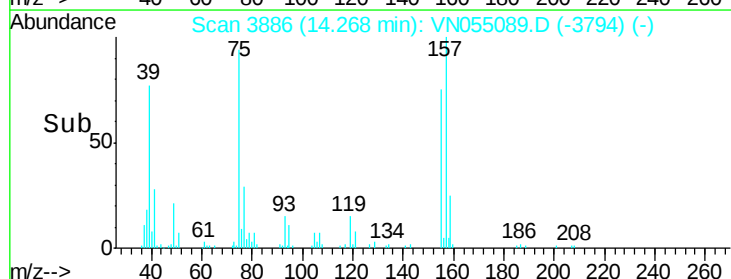
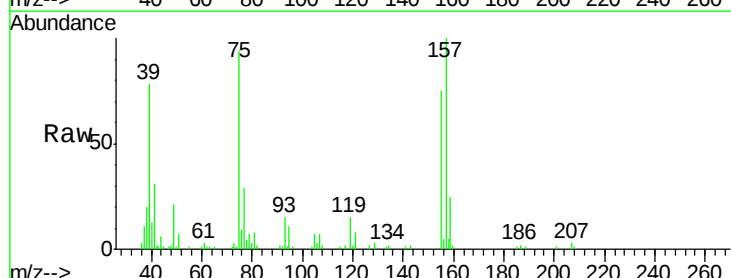
Manual Integrations
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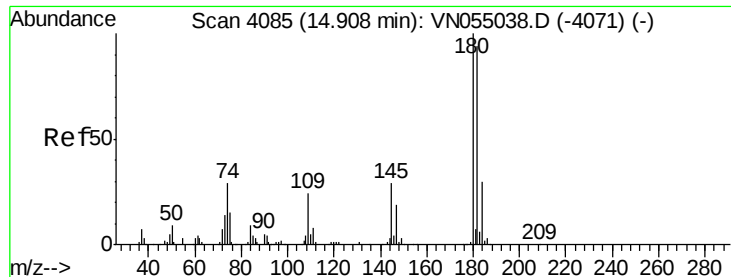
MMDadoda
 4/17/2019 4:23:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.139 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055089.D
 Acq: 16 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	42.0	126.0
157	108.8	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 47.418 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

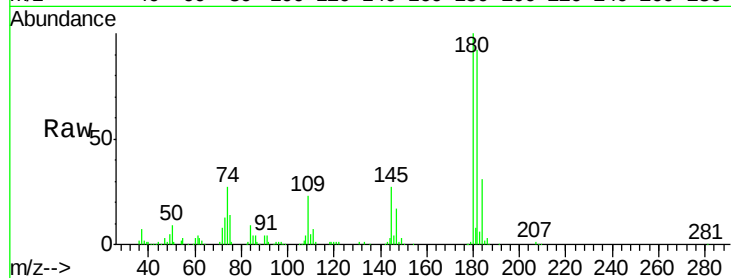
ClientSampleId :

VSTDCCC050EC

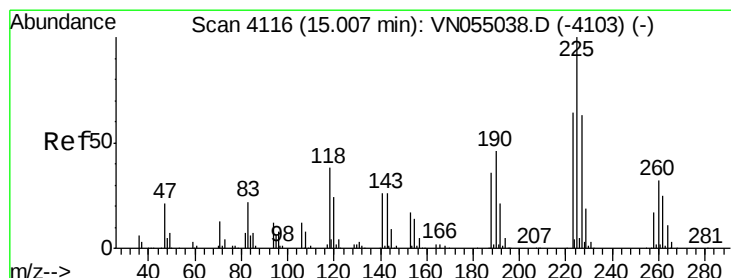
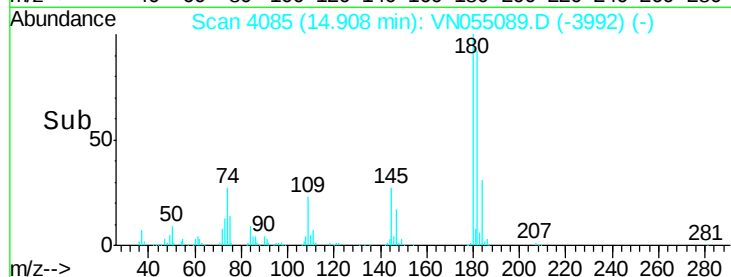
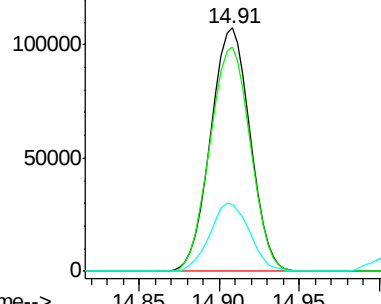
Tot Ion:180	Resp:	181039
Ion Ratio	Lower	Upper
180	100	
182	94.4	47.5 142.6
145	28.2	14.2 42.8

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 47.744 ug/l

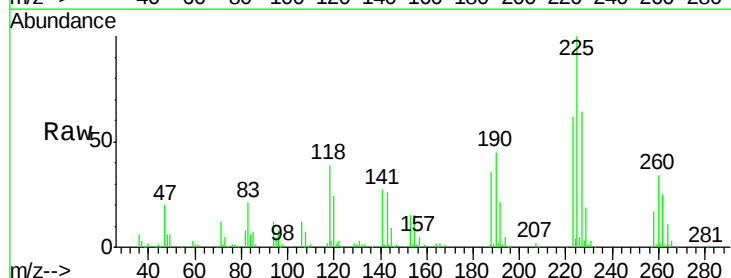
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

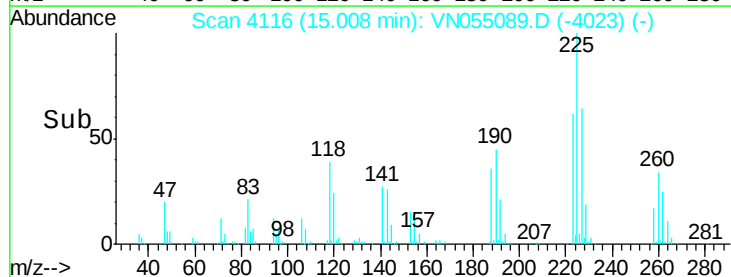
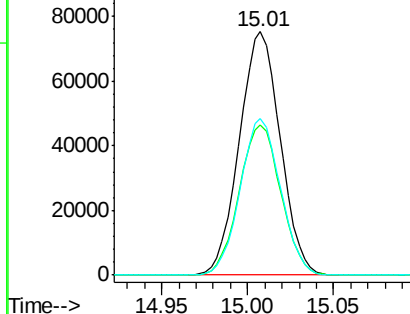
Lab File: VN055089.D

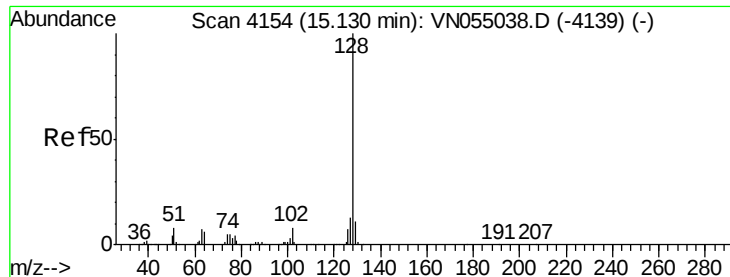
Acq: 16 Apr 2019 19:57

Tgt Ion:225	Resp:	124584
Ion Ratio	Lower	Upper
225	100	
223	62.6	31.4 94.0
227	63.3	32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.379 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Instrument :

MSVOA_N

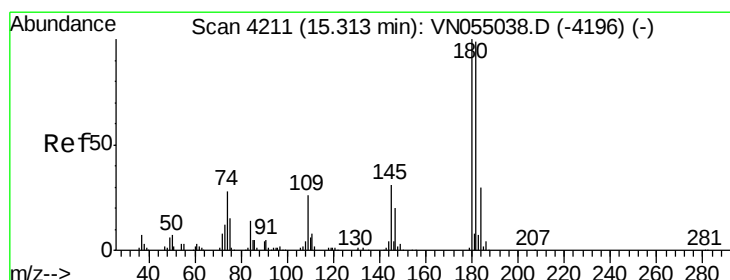
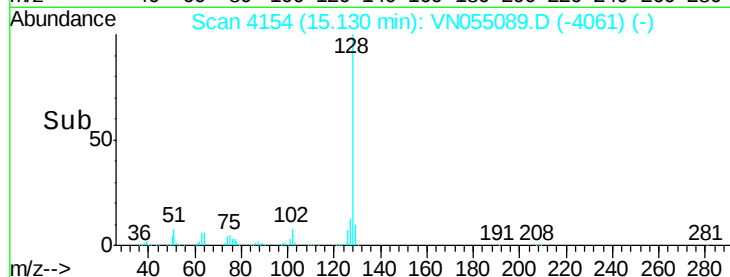
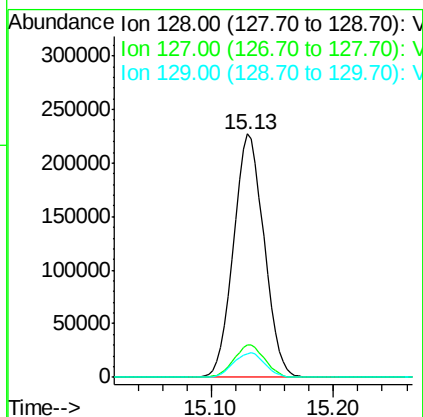
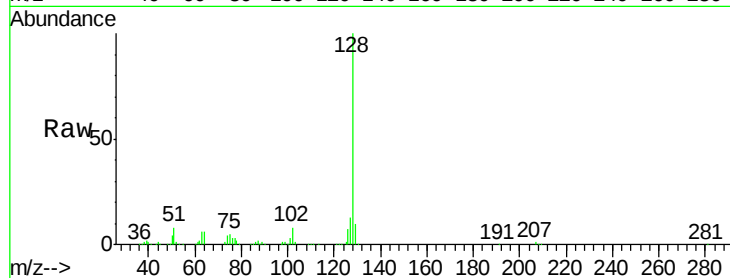
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	394301
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.1	15.1
129	10.4	8.8	13.2

Manual Integrations
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MMDadoda
4/17/2019 4:23:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.857 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055089.D

Acq: 16 Apr 2019 19:57

Tgt Ion:	180	Resp:	182050
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.0	144.0
145	30.8	15.3	45.9

