

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055043.D
 Acq On : 15 Apr 2019 14:39
 Operator : JC/SP
 Sample : VN0415MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Manual Integrations
 APPROVED

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 4/17/2019 1:49:23 PM

Quant Time: Apr 16 05:58:52 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	433313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	698494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	235599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	285487	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	227454	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	10.09	98	837809	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	264418	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	96506	19.597	ug/l 100
3) Chloromethane	2.06	50	122462	19.067	ug/l 100
4) Vinyl Chloride	2.19	62	104407	19.340	ug/l 99
5) Bromomethane	2.55	94	59767	19.569	ug/l 99
6) Chloroethane	2.70	64	56851	19.528	ug/l 95
7) Trichlorofluoromethane	3.01	101	129433	19.171	ug/l 99
8) Diethyl Ether	3.41	74	41771	19.382	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68540	19.398	ug/l 99
10) Methyl Iodide	3.94	142	124712	22.745	ug/l 94
11) Tert butyl alcohol	4.82	59	28871	91.446	ug/l 96
12) 1,1-Dichloroethene	3.73	96	64014	18.613	ug/l 98
13) Acrolein	3.60	56	34391	88.128	ug/l 99
14) Allyl chloride	4.31	41	165712	19.684	ug/l 99
15) Acrylonitrile	4.99	53	189764	100.461	ug/l 99
16) Acetone	3.82	43	154253	98.671	ug/l 99
17) Carbon Disulfide	4.04	76	203238	18.306	ug/l 97
18) Methyl Acetate	4.33	43	91197	19.978	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	246098	20.003	ug/l 94
20) Methylene Chloride	4.54	84	102239	18.604	ug/l 99
21) trans-1,2-Dichloroethene	5.03	96	89823	19.310	ug/l 96
22) Diisopropyl ether	5.96	45	345238	19.949	ug/l 98
23) Vinyl Acetate	5.90	43	1189251	103.965	ug/l 99
24) 1,1-Dichloroethane	5.85	63	182814	19.837	ug/l 98
25) 2-Butanone	6.85	43	243209	104.237	ug/l 100
26) 2,2-Dichloropropane	6.82	77	120591	20.732	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	105346	20.018	ug/l 98
28) Bromochloromethane	7.19	49	88107	19.833	ug/l 100
29) Tetrahydrofuran	7.22	42	157227	102.759	ug/l 99
30) Chloroform	7.37	83	174698	19.515	ug/l 100
31) Cyclohexane	7.65	56	169863	20.101	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	141519	19.954	ug/l 99
36) 1,1-Dichloropropene	7.79	75	125873	19.116	ug/l 100
37) Ethyl Acetate	6.94	43	97368	18.164	ug/l 97
38) Carbon Tetrachloride	7.77	117	116585	18.610	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139840	19.598	ug/l	99
40) Benzene	8.04	78	386929	19.497	ug/l	99
41) Methacrylonitrile	7.17	41	57630	19.367	ug/l	96
42) 1,2-Dichloroethane	8.13	62	138286	20.070	ug/l	99
43) Isopropyl Acetate	8.17	43	168856	20.443	ug/l	99
44) Trichloroethene	8.83	130	97358	19.586	ug/l	97
45) 1,2-Dichloropropane	9.12	63	109107	19.714	ug/l	98
46) Dibromomethane	9.21	93	62726	19.912	ug/l	98
47) Bromodichloromethane	9.40	83	124076	19.104	ug/l	99
48) Methyl methacrylate	9.20	41	83348	20.358	ug/l	97
49) 1,4-Dioxane	9.21	88	13859	361.315	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	478591	100.291	ug/l	98
52) Toluene	10.16	92	232480	20.454	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	110250	19.424	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	142181	20.183	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	88816	20.282	ug/l	99
56) Ethyl methacrylate	10.43	69	107013	20.362	ug/l	99
57) 1,3-Dichloropropane	10.71	76	149650	20.072	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	198825	93.172	ug/l	98
59) 2-Hexanone	10.75	43	303136	101.137	ug/l	99
60) Dibromochloromethane	10.90	129	86120	20.140	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81573	20.238	ug/l	99
64) Tetrachloroethene	10.63	164	93156	18.993	ug/l	97
65) Chlorobenzene	11.43	112	235444	19.391	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87333	19.557	ug/l	99
67) Ethyl Benzene	11.51	91	423828	19.547	ug/l	100
68) m/p-Xylenes	11.62	106	315584	40.194	ug/l	98
69) o-Xylene	11.95	106	155300	20.422	ug/l	98
70) Styrene	11.96	104	246236	20.003	ug/l	99
71) Bromoform	12.13	173	50701	19.808	ug/l #	100
73) Isopropylbenzene	12.25	105	405843	19.412	ug/l	99
74) N-amyl acetate	12.07	43	116280	19.758	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	104975	18.765	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83938m	19.812	ug/l	
77) Bromobenzene	12.53	156	98012	18.805	ug/l	99
78) n-propylbenzene	12.59	91	441099	19.528	ug/l	100
79) 2-Chlorotoluene	12.67	91	272917	19.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	327902	19.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21917	20.687	ug/l	96
82) 4-Chlorotoluene	12.77	91	256769	19.534	ug/l	98
83) tert-Butylbenzene	12.99	119	279192	19.595	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	321062	20.080	ug/l	100
85) sec-Butylbenzene	13.17	105	360940	19.880	ug/l	100
86) p-Isopropyltoluene	13.29	119	308322	19.794	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	155122	19.581	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	147952	19.584	ug/l	99
89) n-Butylbenzene	13.61	91	231538	20.024	ug/l	99
90) Hexachloroethane	13.88	117	46940	18.521	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	152748	19.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12418	18.027	ug/l	88

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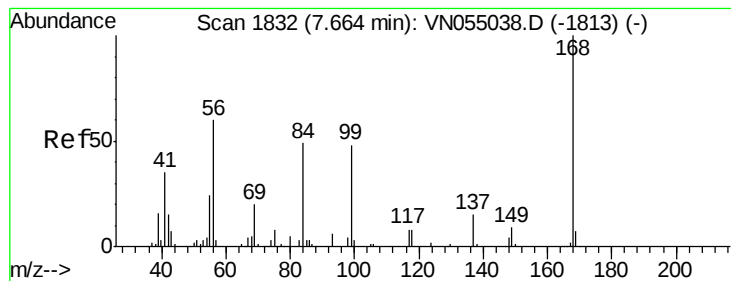
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61795	18.864	ug/l	98
94) Hexachlorobutadiene	15.01	225	50418	20.479	ug/l	98
95) Naphthalene	15.13	128	131888	17.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63409	20.621	ug/l	97

(#) = 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: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion:168 Resp: 433313

Ion Ratio Lower Upper

168 100

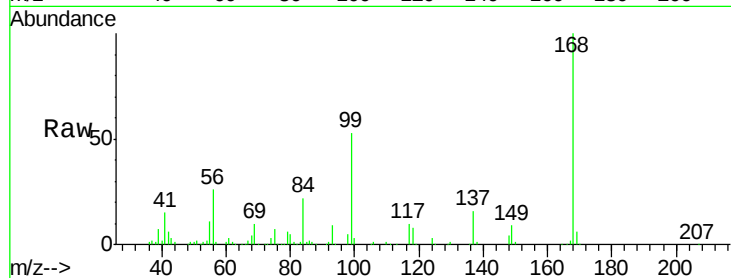
99 52.1 41.9 62.9

Manual Integrations

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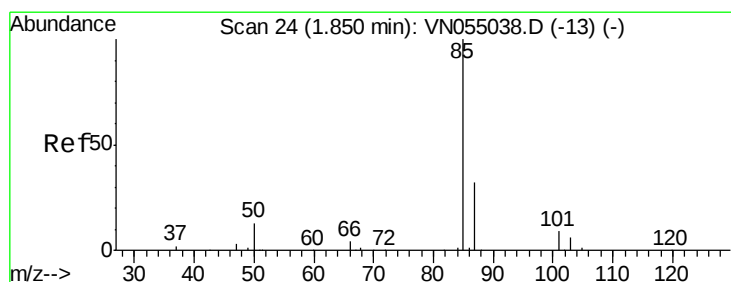
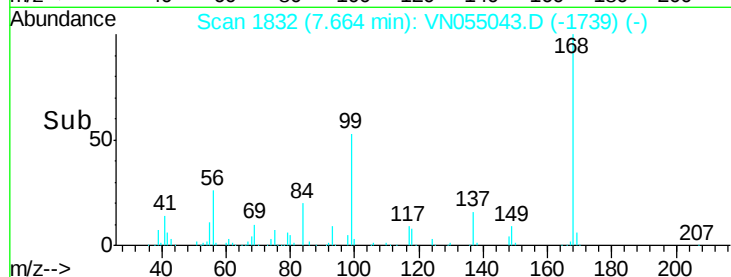
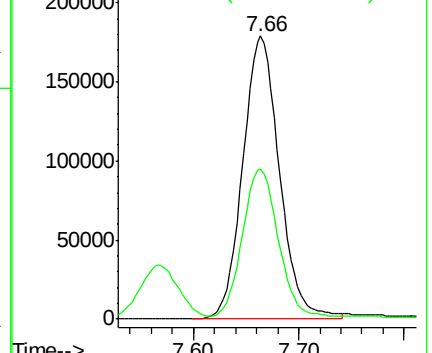
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.597 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055043.D

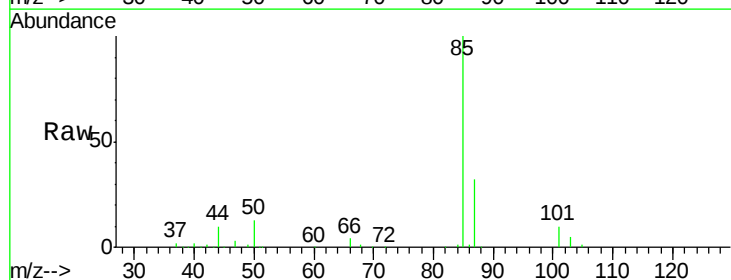
Acq: 15 Apr 2019 14:39

Tgt Ion: 85 Resp: 96506

Ion Ratio Lower Upper

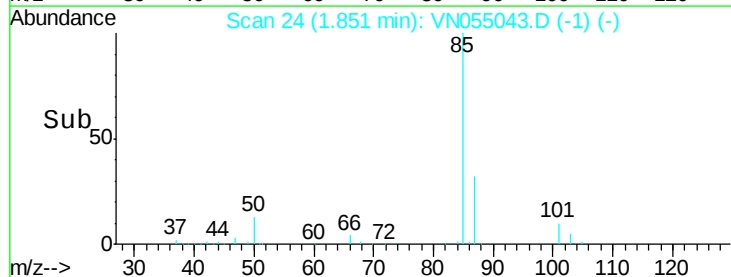
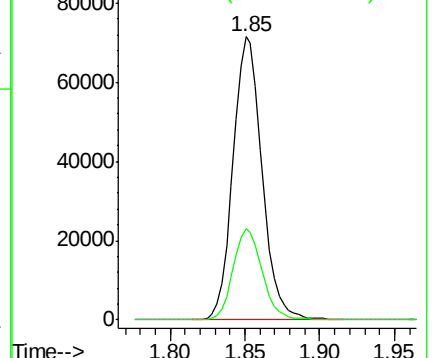
85 100

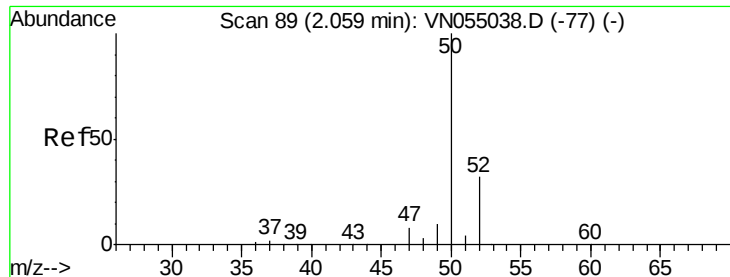
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.067 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion: 50 Resp: 122462

Ion Ratio Lower Upper

50 100

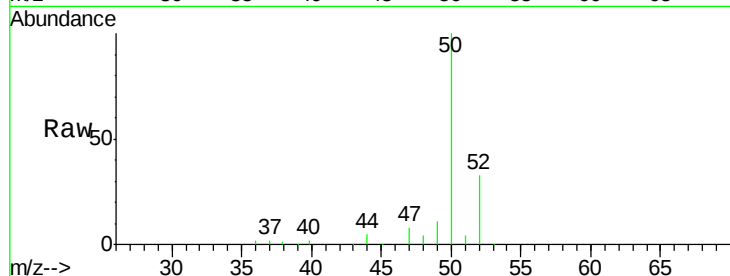
52 33.3 26.6 40.0

Manual Integrations

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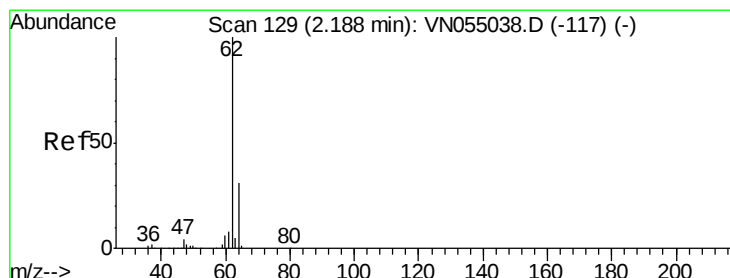
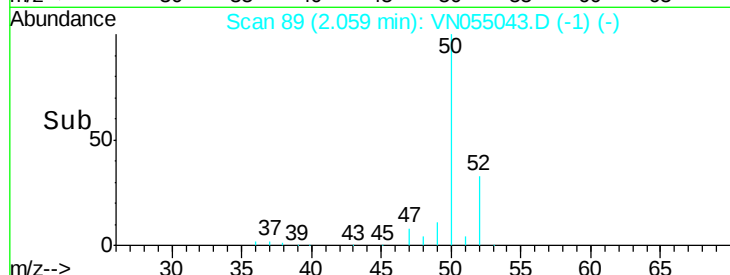
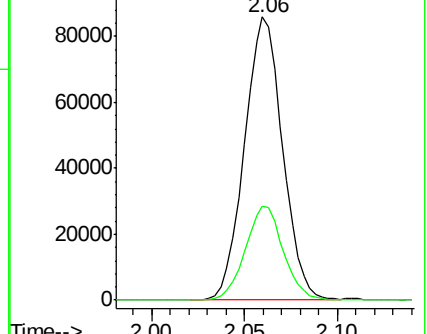
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.340 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055043.D

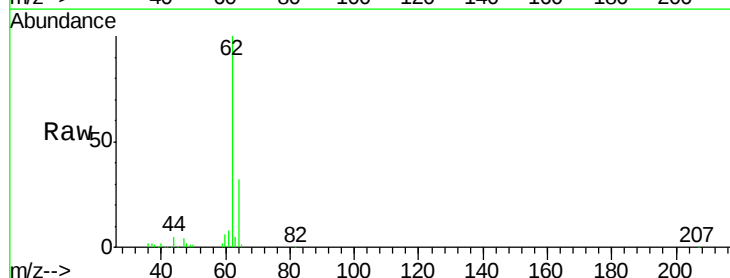
Acq: 15 Apr 2019 14:39

Tgt Ion: 62 Resp: 104407

Ion Ratio Lower Upper

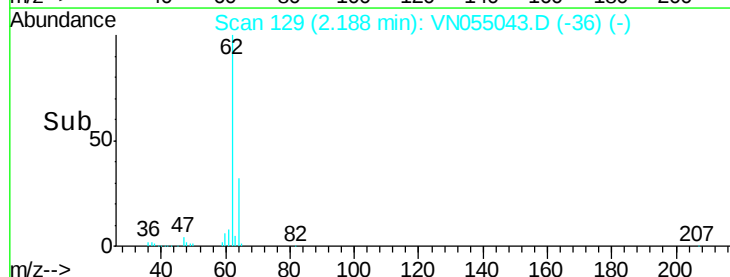
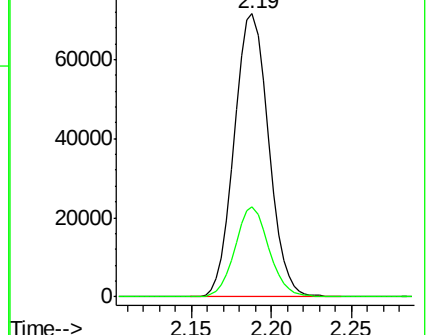
62 100

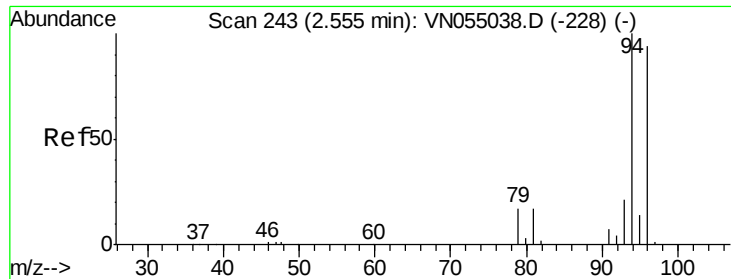
64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.569 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion: 94 Resp: 59767

Ion Ratio Lower Upper

94 100

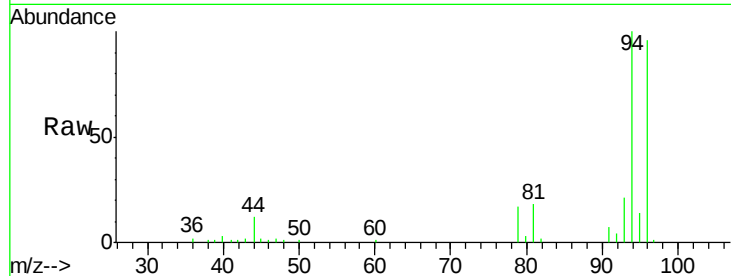
96 95.9 76.2 114.4

Manual Integrations

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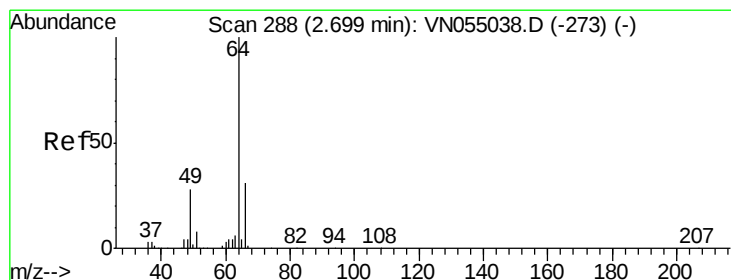
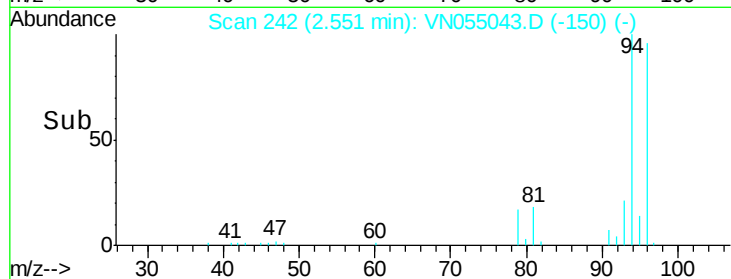
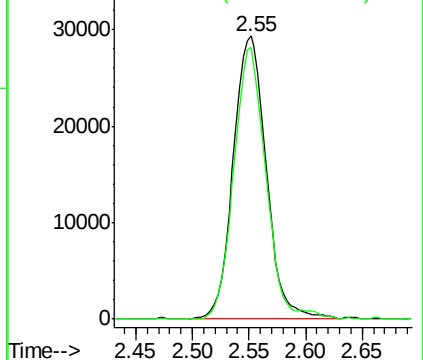
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.528 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN055043.D

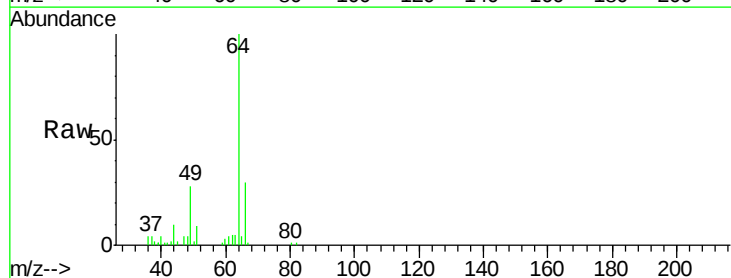
Acq: 15 Apr 2019 14:39

Tgt Ion: 64 Resp: 56851

Ion Ratio Lower Upper

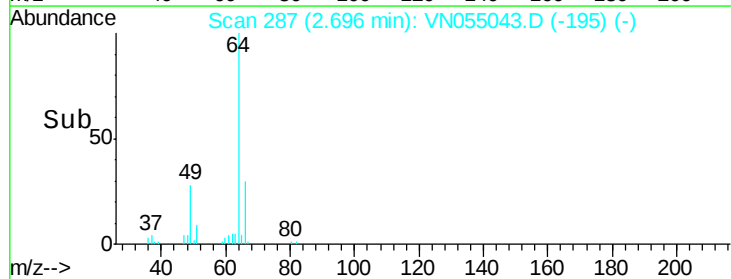
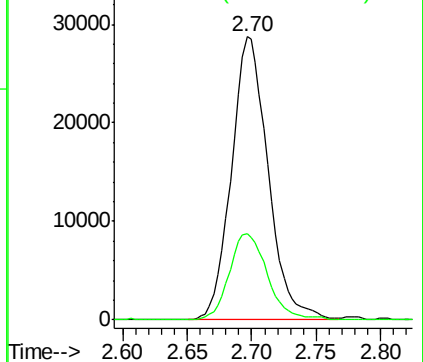
64 100

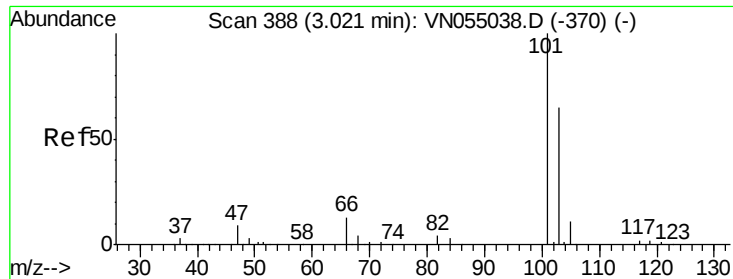
66 30.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

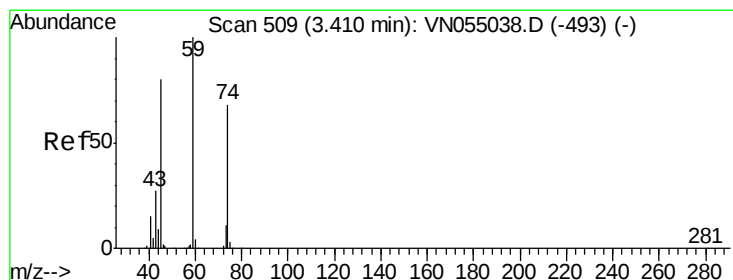
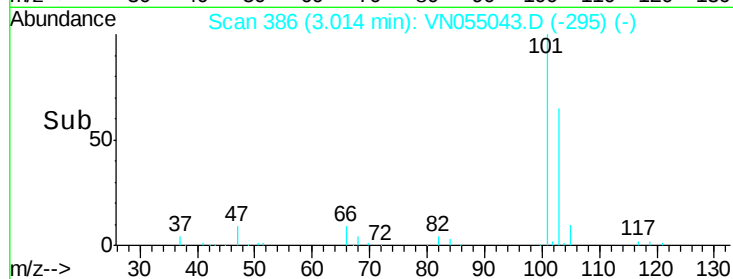
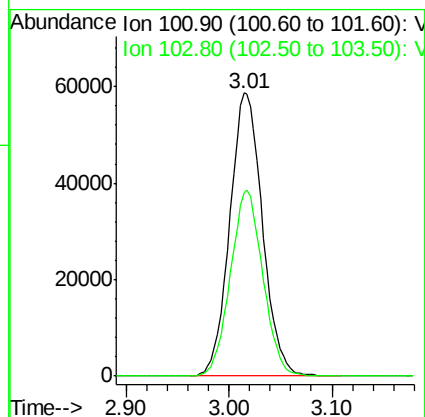
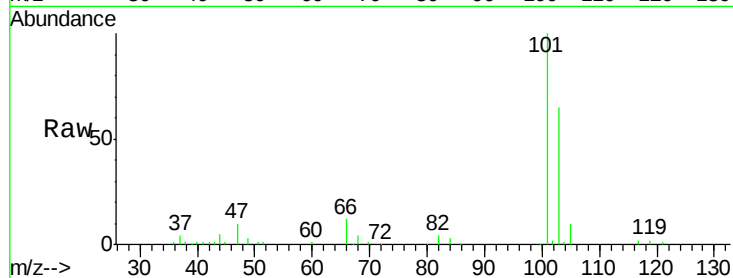
Trichlorofluoromethane
Concen: 19.171 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

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Tot Ion:101 Resp: 129433
Ion Ratio Lower Upper
101 100
103 64.7 52.5 78.7

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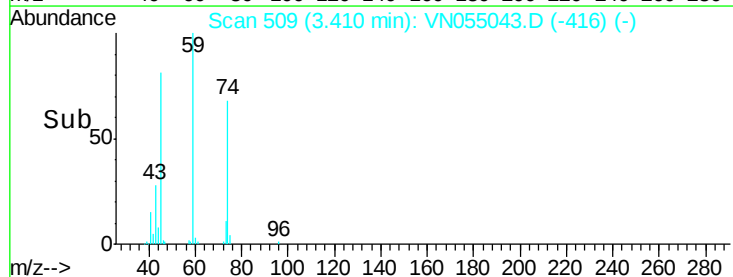
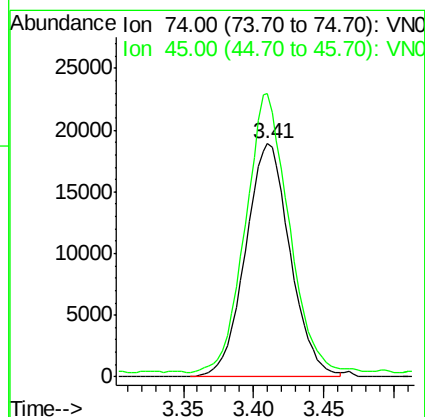
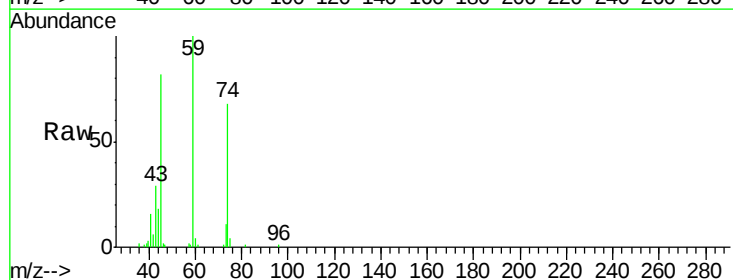
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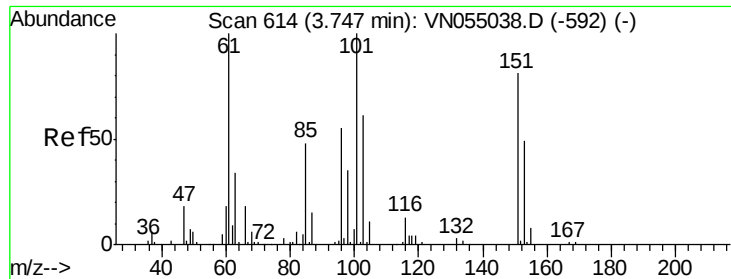


#8

Diethyl Ether
Concen: 19.382 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 74 Resp: 41771
Ion Ratio Lower Upper
74 100
45 116.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.398 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

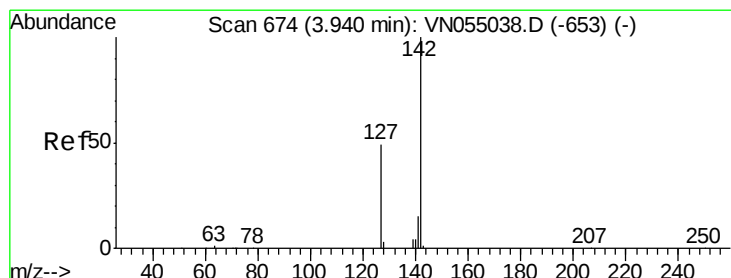
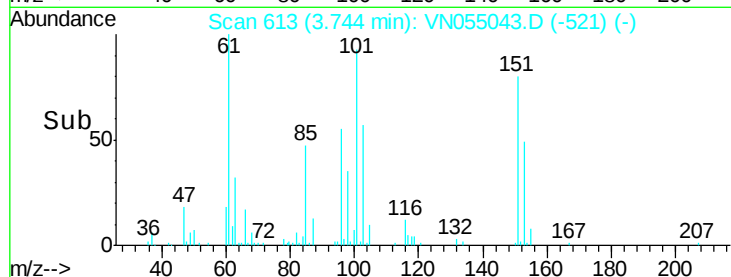
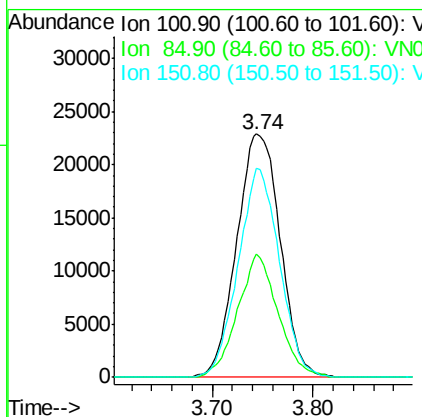
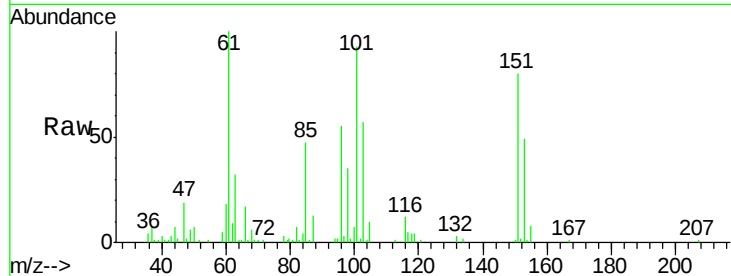
ClientSampleId :

VN0415MBS01

Tot Ion:	101	Resp:	68540
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.9	55.3
151	81.6	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 22.745 ug/l

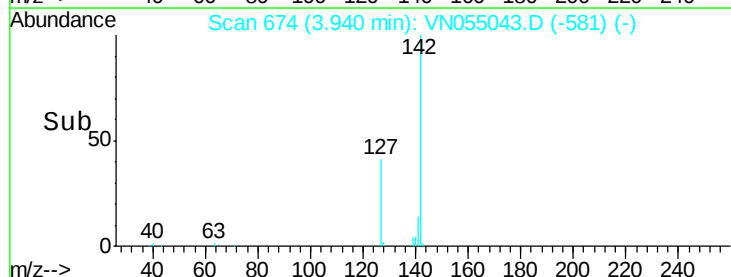
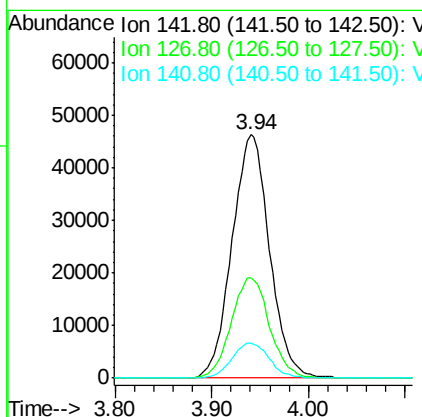
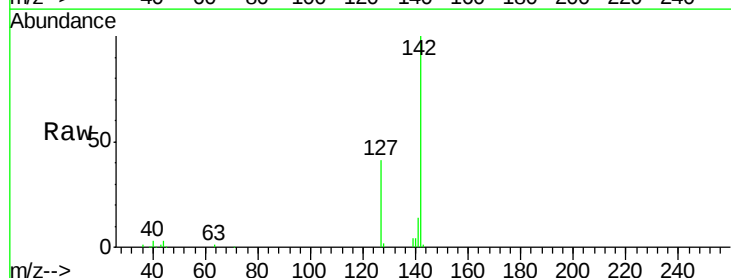
RT: 3.94 min Scan# 674

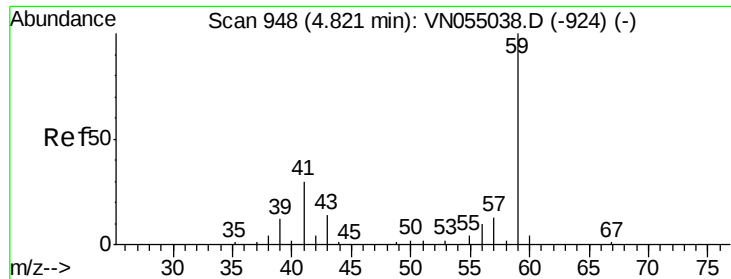
Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	142	Resp:	124712
Ion Ratio	Lower	Upper	
142	100		
127	42.0	37.9	56.9
141	14.3	11.8	17.8





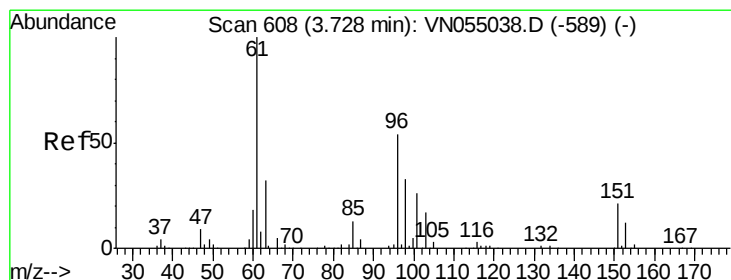
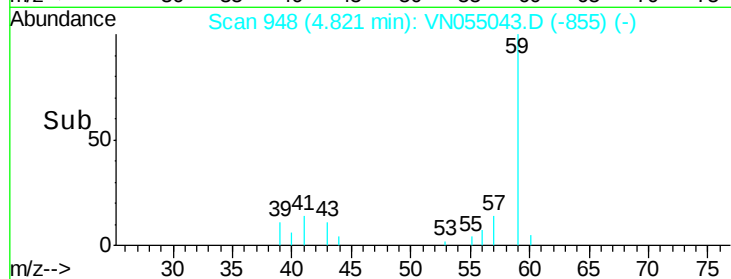
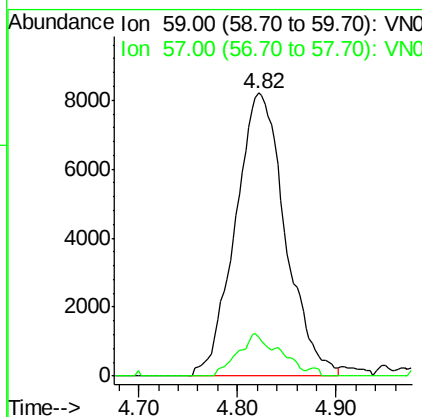
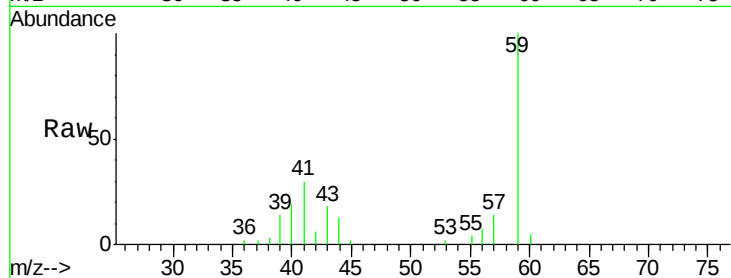
#11
Tert butyl alcohol
Concen: 91.446 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion: 59 Resp: 28871
Ion Ratio Lower Upper
59 100
57 8.8 8.3 12.5

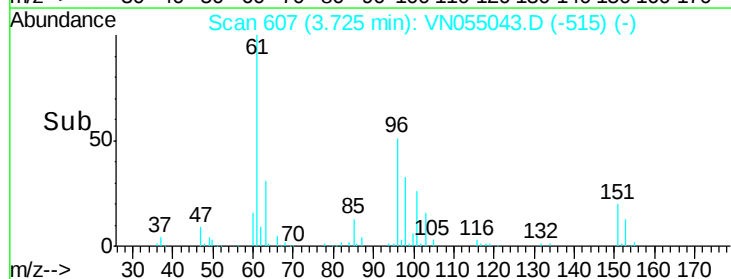
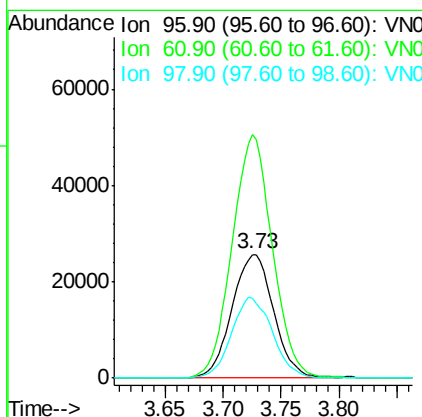
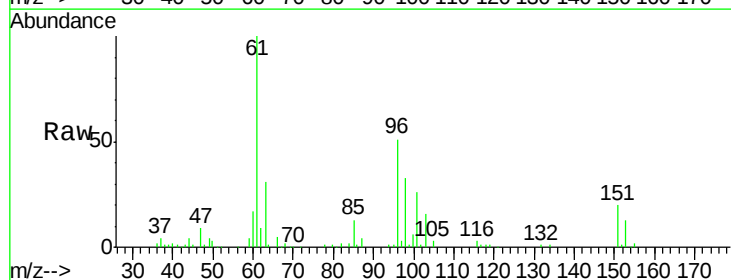
Manual Integrations
APPROVED

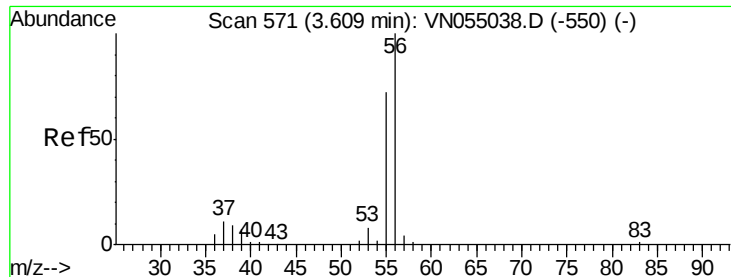
MMDadoda
4/17/2019 1:49:23 PM



#12
1,1-Dichloroethene
Concen: 18.613 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 96 Resp: 64014
Ion Ratio Lower Upper
96 100
61 196.5 154.2 231.4
98 65.1 52.9 79.3





#13

Acrolein

Concen: 88.128 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion: 56 Resp: 34391

Ion Ratio Lower Upper

56 100

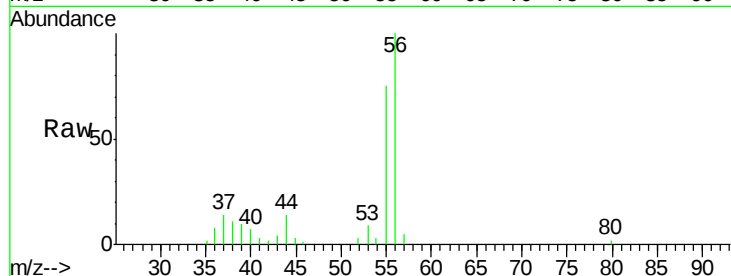
55 73.6 59.5 89.3

Manual Integrations

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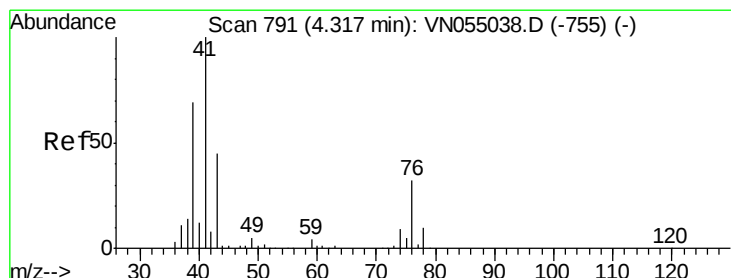
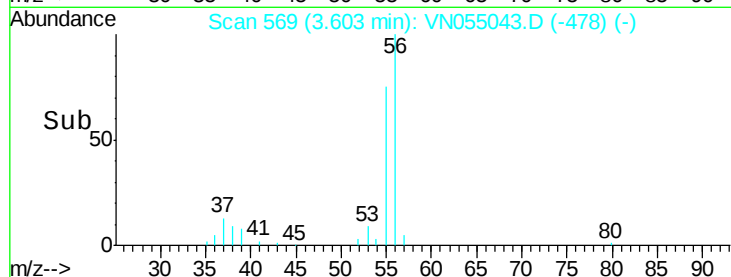
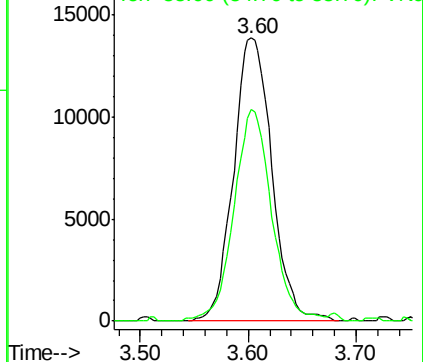
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.684 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

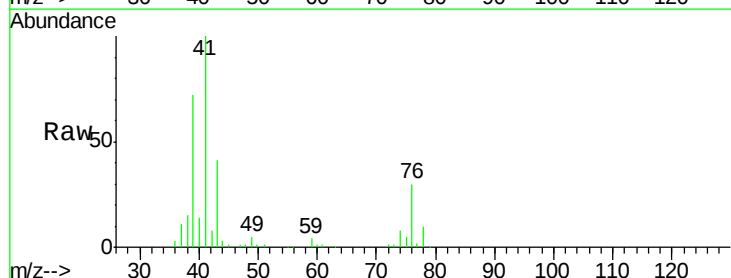
Tgt Ion: 41 Resp: 165712

Ion Ratio Lower Upper

41 100

39 66.4 52.7 79.1

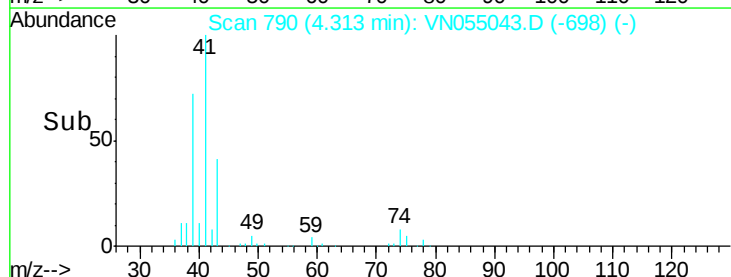
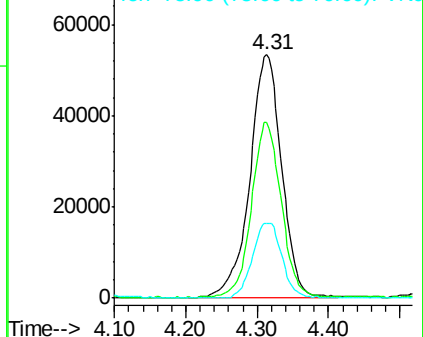
76 28.2 23.2 34.8

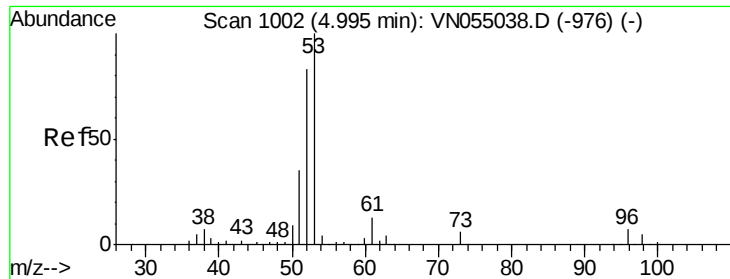


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





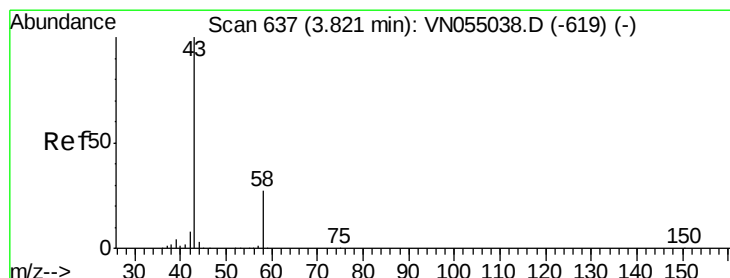
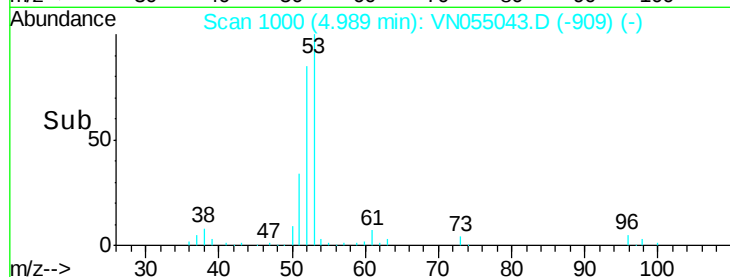
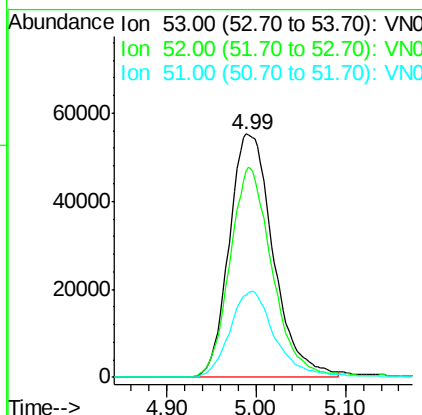
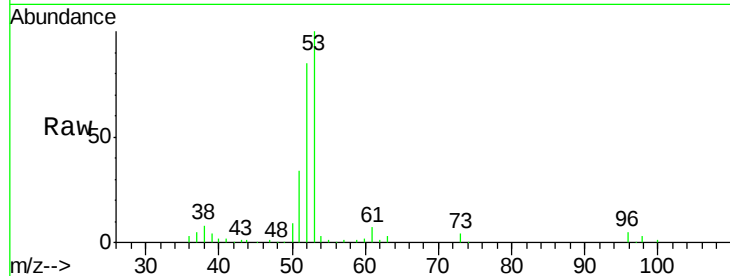
#15
 Acrylonitrile
 Concen: 100.461 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.9	98.9
51	35.8	29.7	44.5

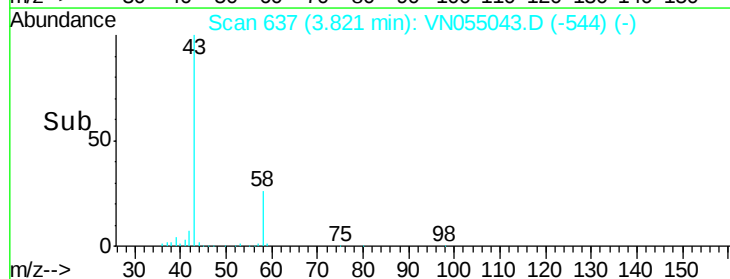
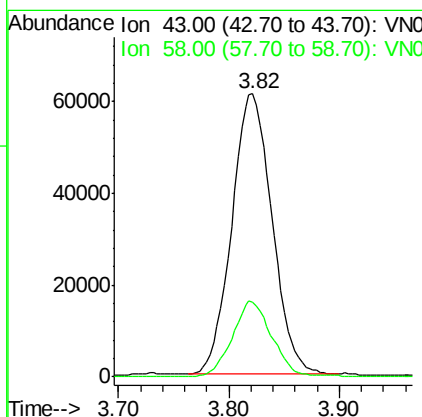
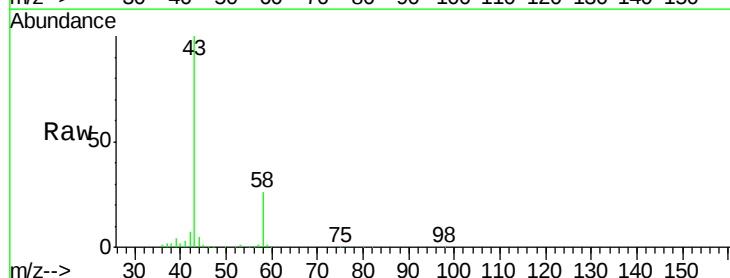
Manual Integrations
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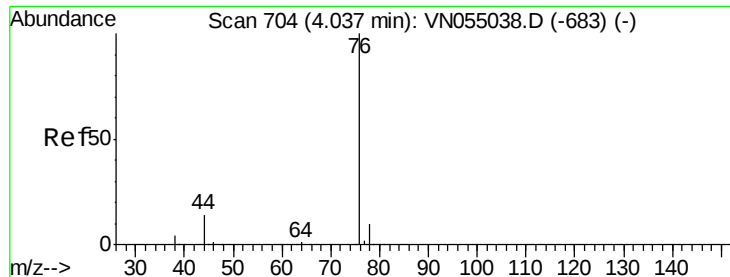
MMDadoda
 4/17/2019 1:49:23 PM



#16
 Acetone
 Concen: 98.671 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.9	31.3





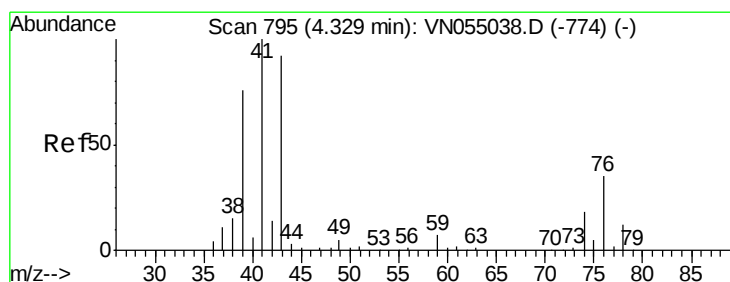
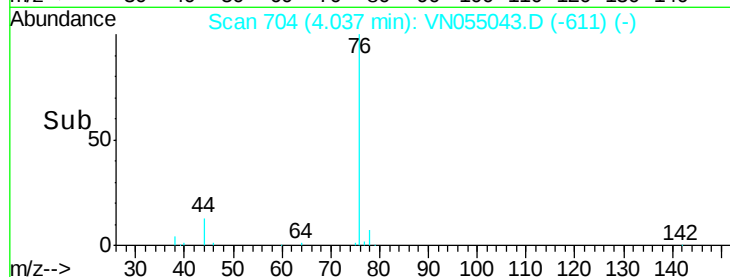
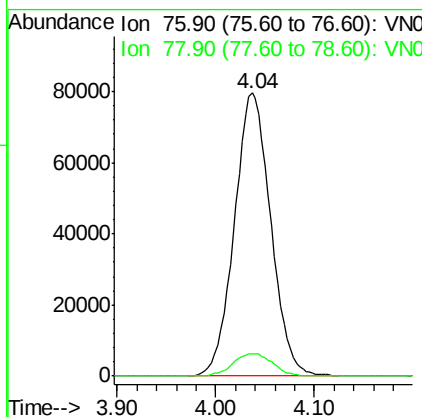
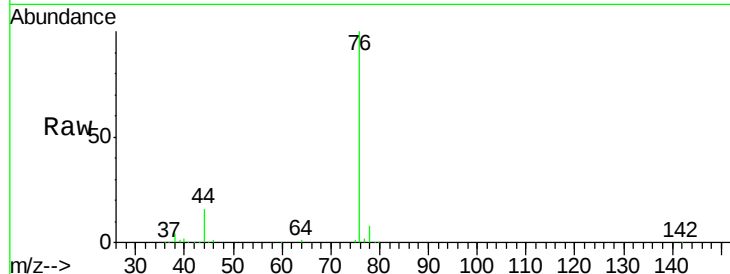
#17
Carbon Disulfide
Concen: 18.306 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.2	10.8

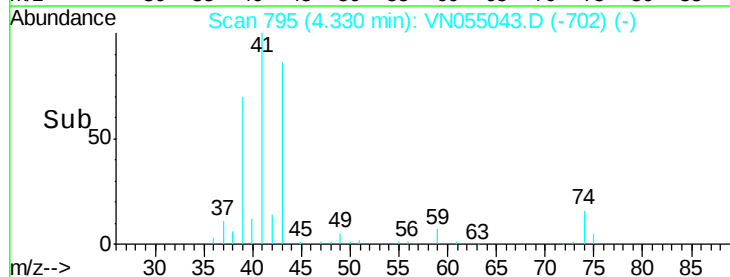
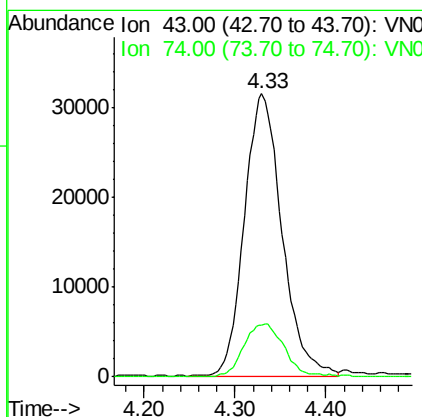
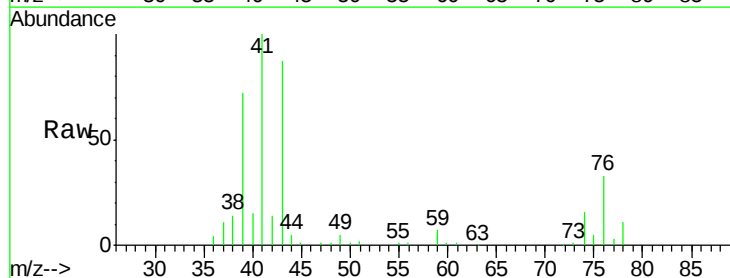
Manual Integrations
APPROVED

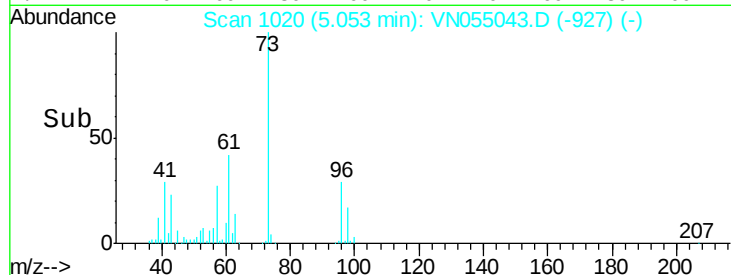
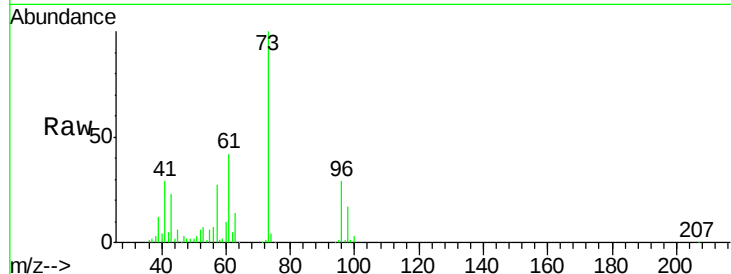
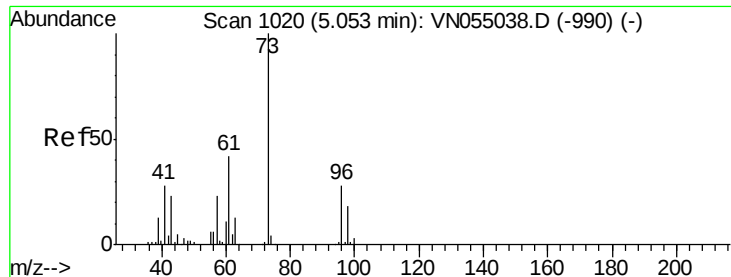
MMDadoda
4/17/2019 1:49:23 PM



#18
Methyl Acetate
Concen: 19.978 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.1	24.1





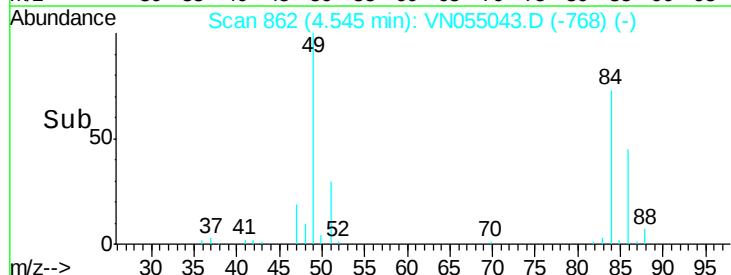
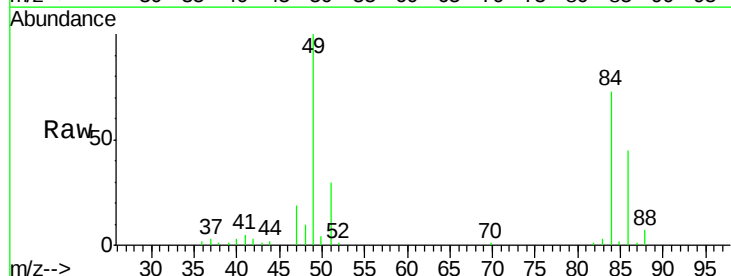
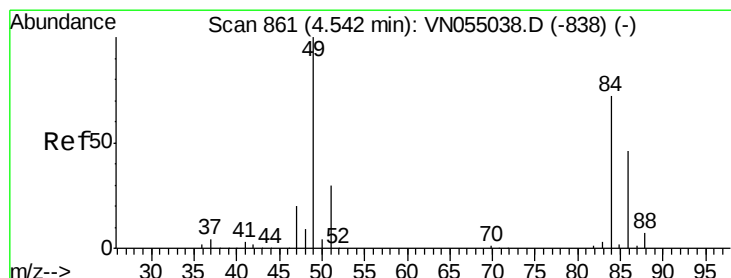
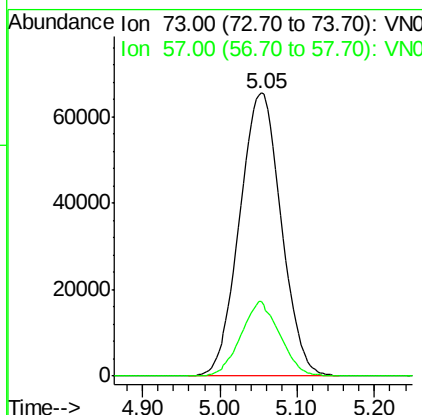
#19
Methvl tert-butvl Ether
Concen: 20.003 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tot Ion: 73 Resp: 246098
Ion Ratio Lower Upper
73 100
57 26.5 19.0 28.4

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

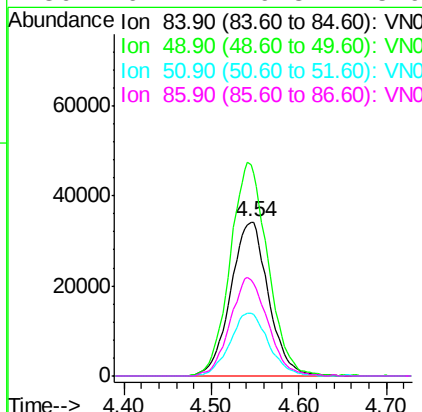
Manual Integrations
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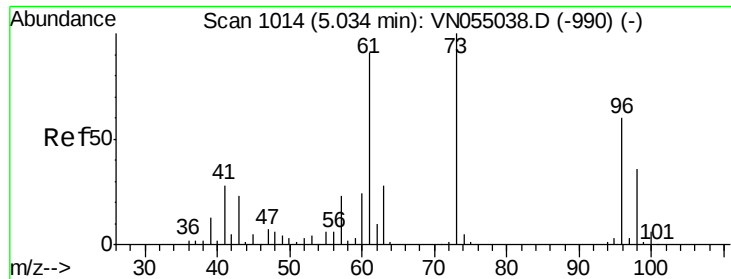
MMDadoda
4/17/2019 1:49:23 PM



#20
Methylene Chloride
Concen: 18.604 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 84 Resp: 102239
Ion Ratio Lower Upper
84 100
49 137.6 109.4 164.2
51 40.7 32.2 48.4
86 62.4 49.3 73.9





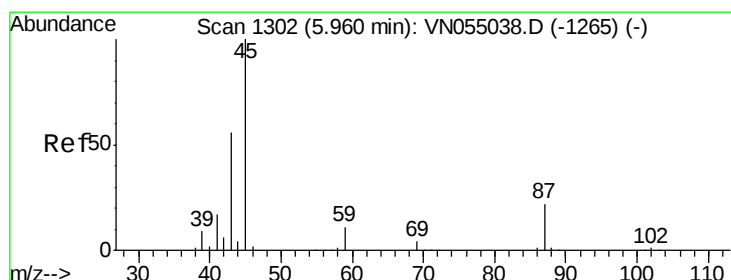
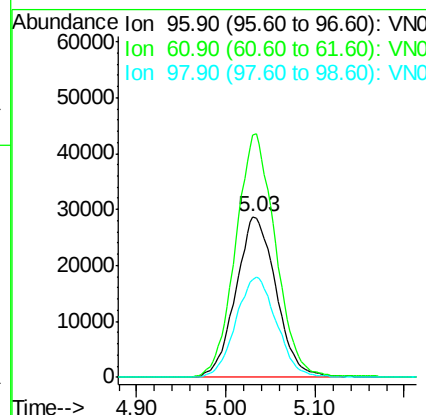
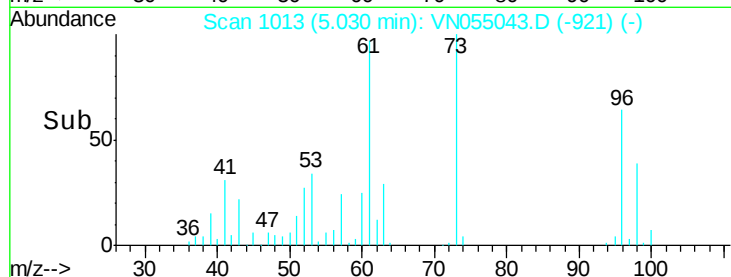
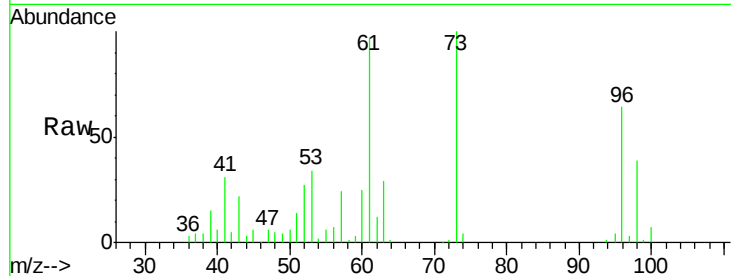
#21
trans-1,2-Dichloroethene
Concen: 19.310 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	114.9	172.3
98	61.0	48.4	72.6

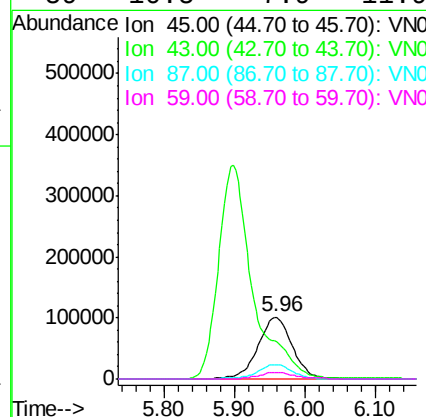
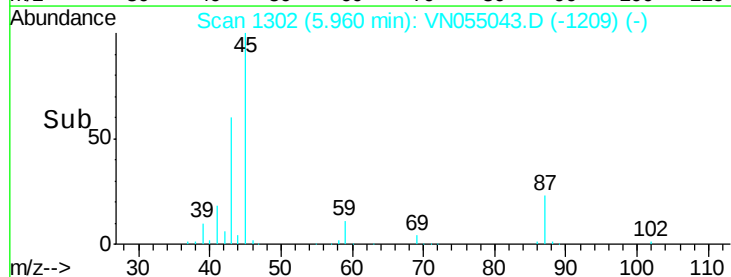
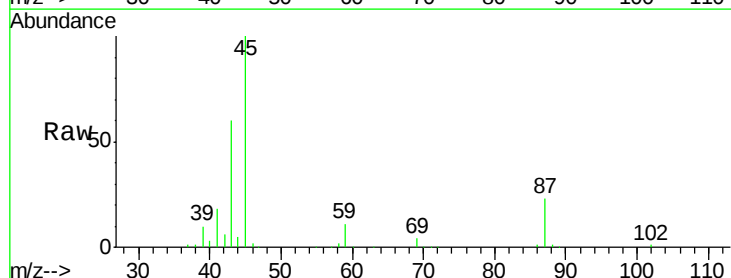
Manual Integrations
APPROVED

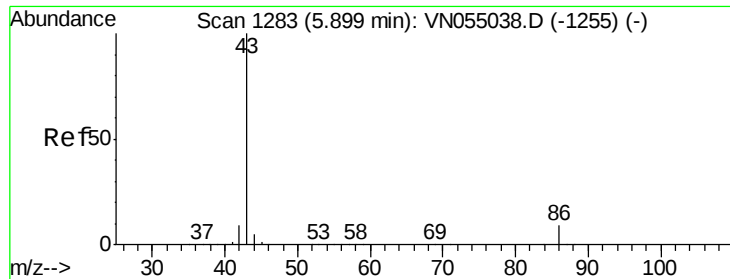
MMDadoda
4/17/2019 1:49:23 PM



#22
Diisopropyl ether
Concen: 19.949 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	44.8	67.2
87	23.0	18.9	28.3
59	10.5	7.9	11.9





#23

Vinyl Acetate

Concen: 103.965 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion: 43 Resp: 1189251

Ion Ratio Lower Upper

43 100

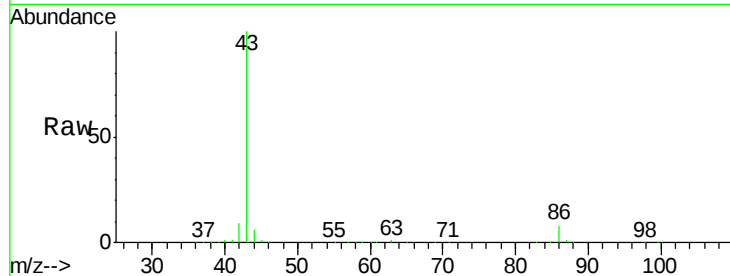
86 8.4 7.0 10.4

Manual Integrations

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MMDadoda

4/17/2019 1:49:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

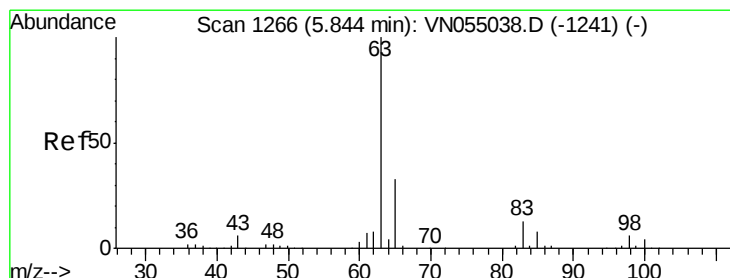
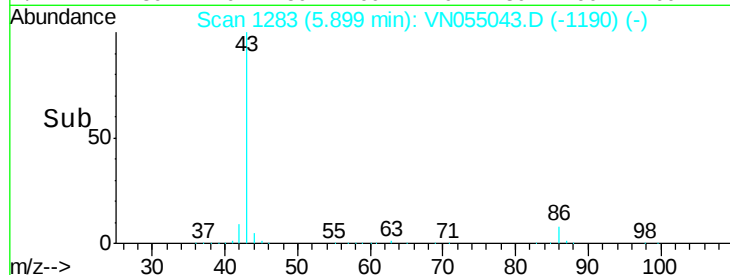
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.837 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

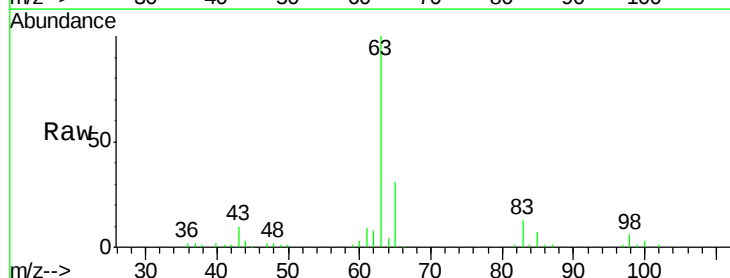
Tgt Ion: 63 Resp: 182814

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

100 3.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

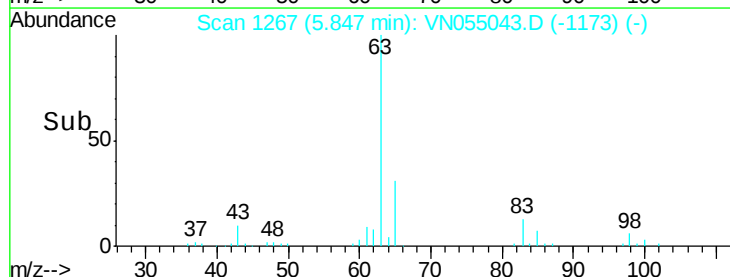
60000

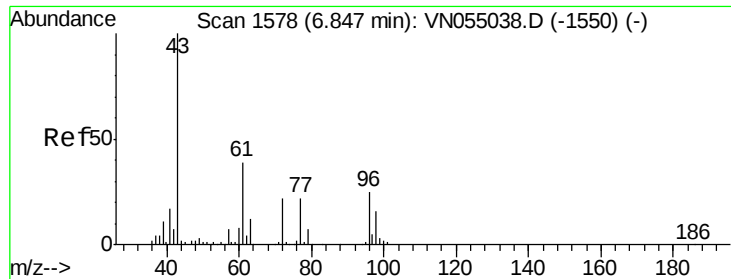
40000

20000

0

Time-->





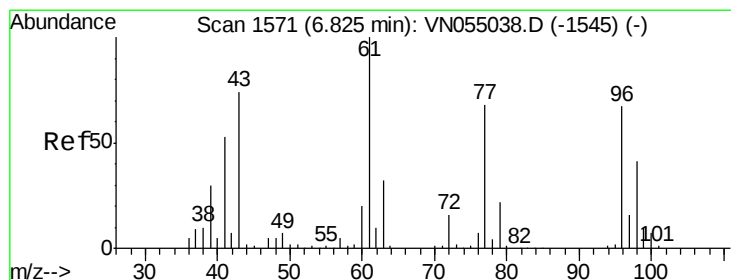
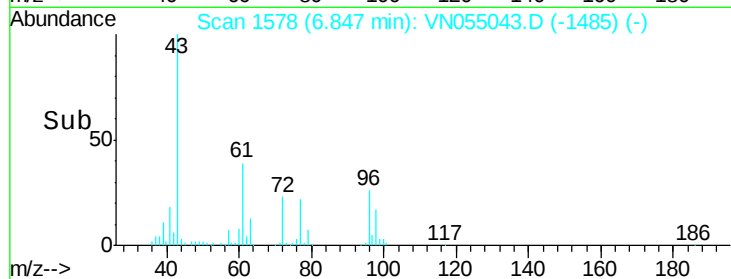
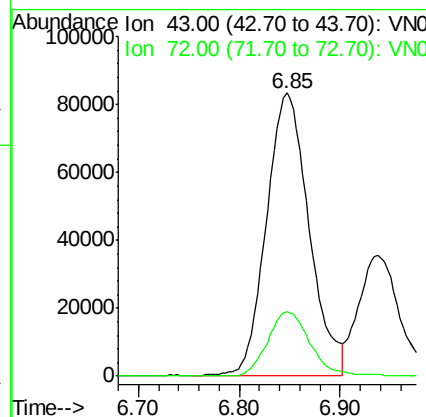
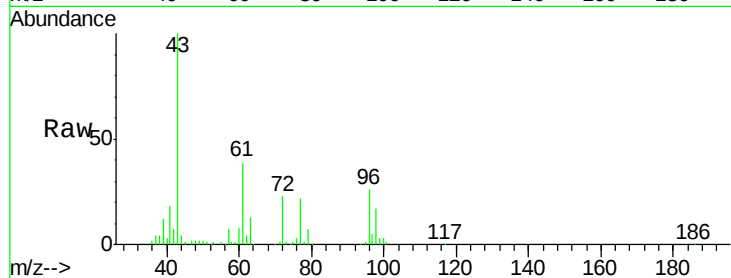
#25
2-Butanone
Concen: 104.237 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion: 43 Resp: 243209
Ion Ratio Lower Upper
43 100
72 22.8 18.1 27.1

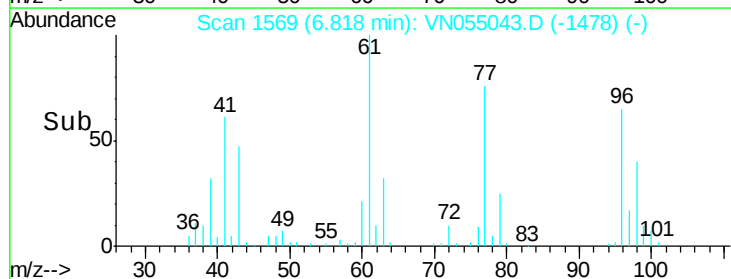
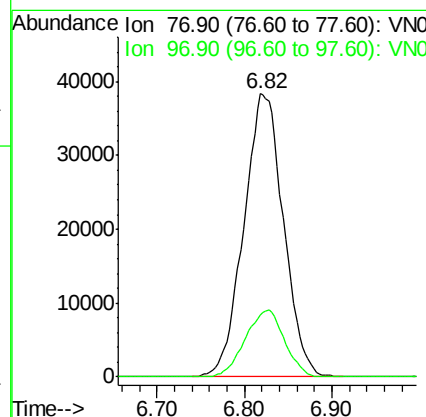
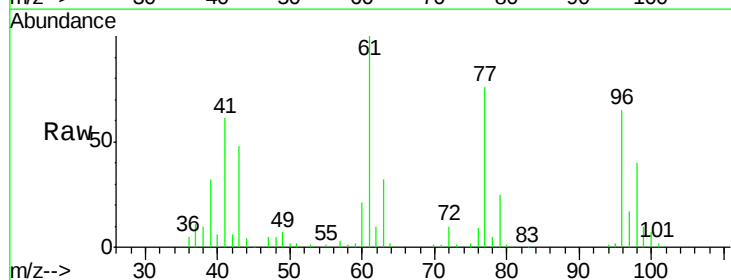
Manual Integrations
APPROVED

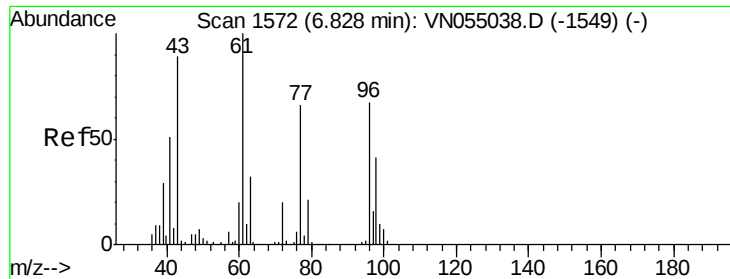
MMDadoda
4/17/2019 1:49:23 PM



#26
2,2-Dichloropropane
Concen: 20.732 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 77 Resp: 120591
Ion Ratio Lower Upper
77 100
97 23.1 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.018 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

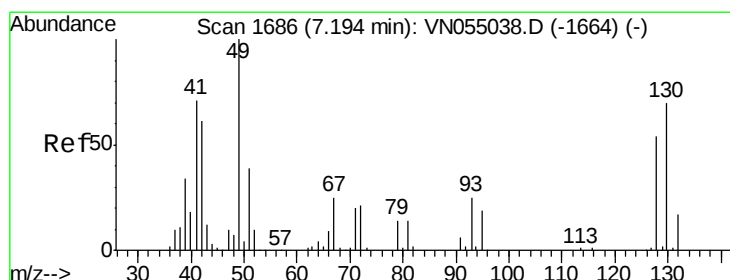
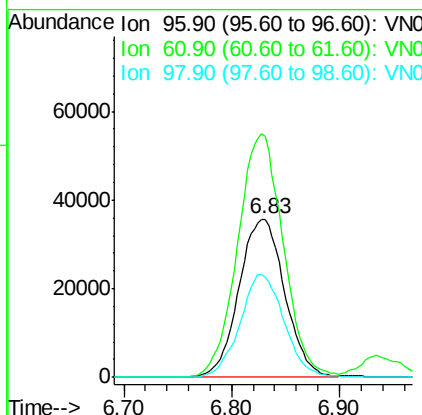
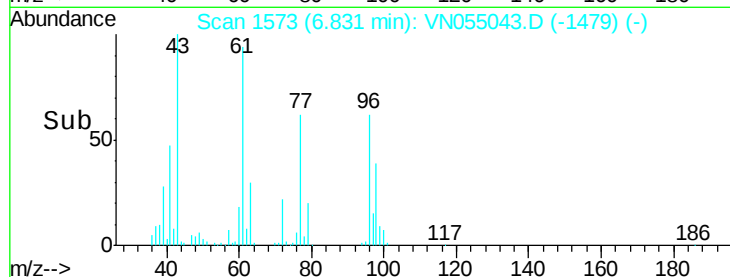
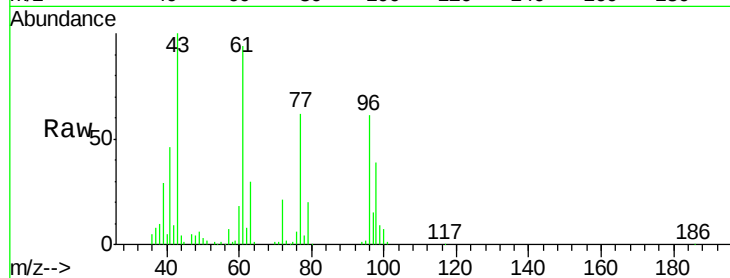
ClientSampleId :

VN0415MBS01

Tot Ion:	96	Resp:	105346
Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	311.0
98	63.0	0.0	127.4

Manual Integrations
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MMDadoda
4/17/2019 1:49:23 PM



#28

Bromochloromethane

Concen: 19.833 ug/l

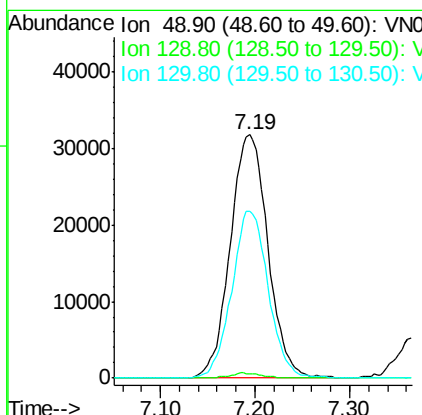
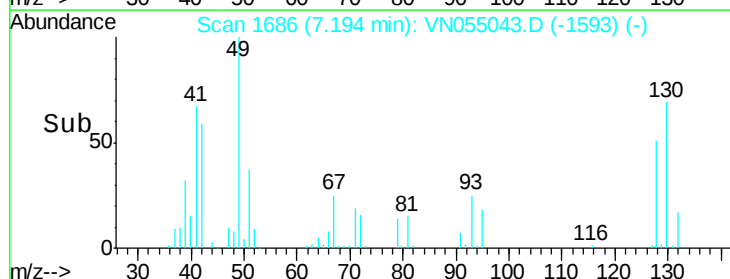
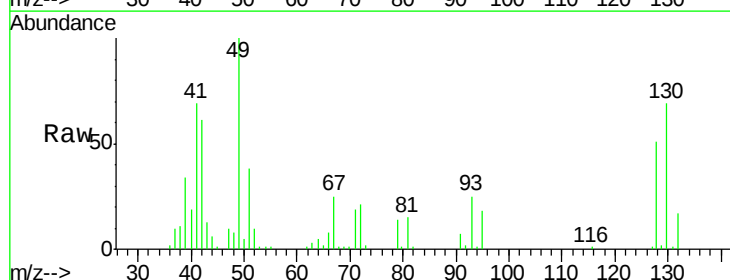
RT: 7.19 min Scan# 1686

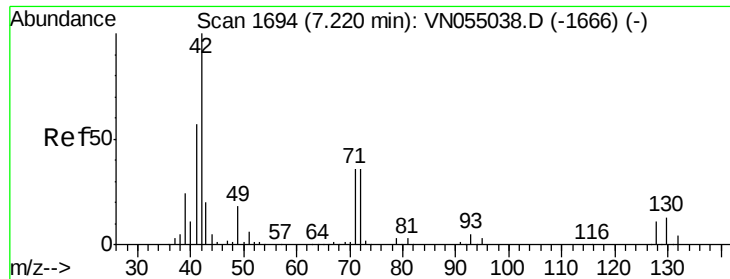
Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	49	Resp:	88107
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	66.5	53.4	80.2





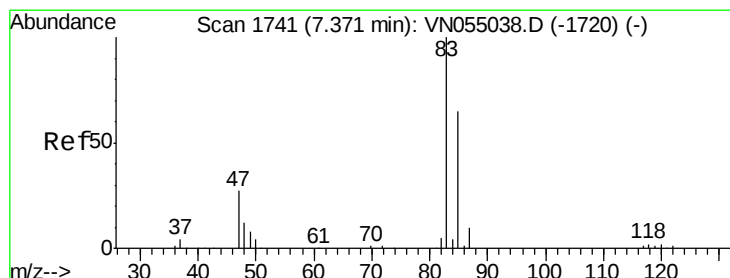
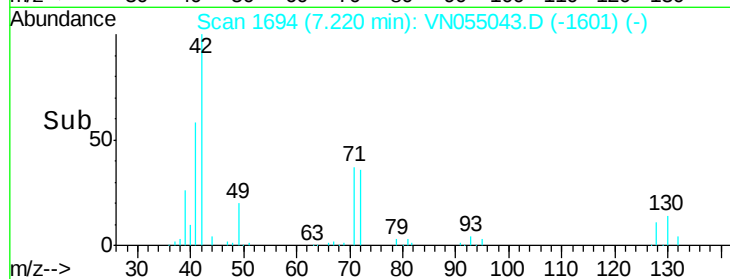
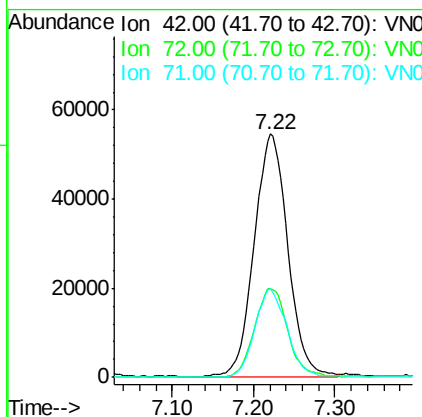
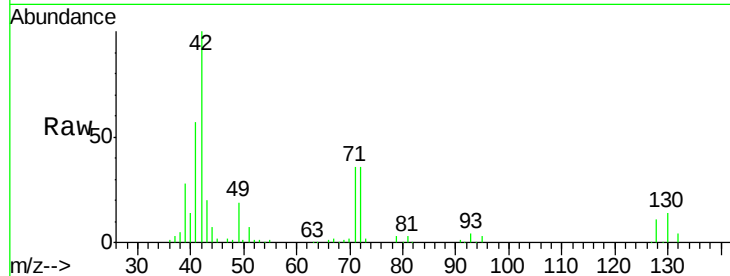
#29
Tetrahydrofuran
Concen: 102.759 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.4	44.0
71	34.4	27.8	41.6

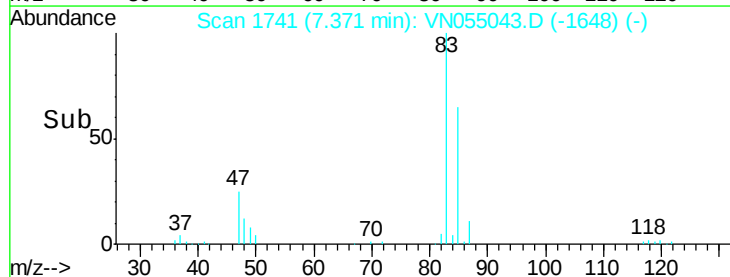
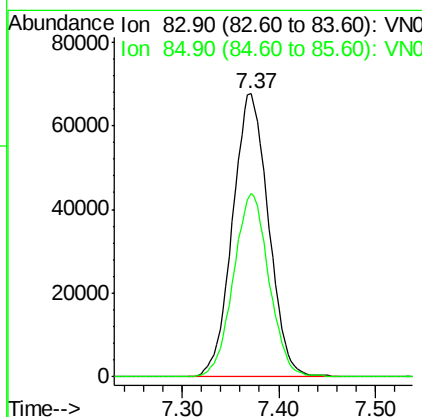
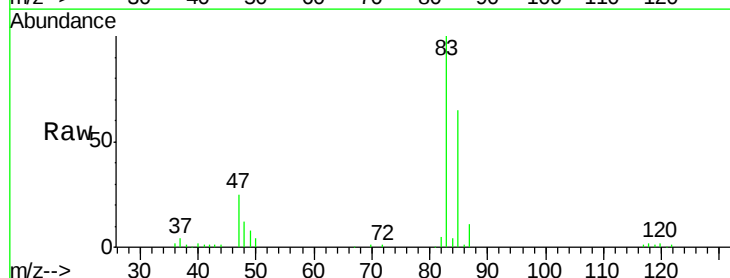
Manual Integrations
APPROVED

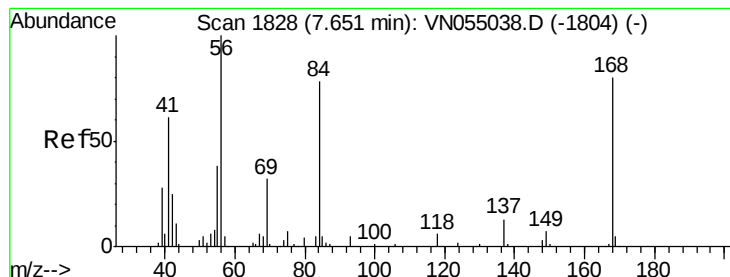
MMDadoda
4/17/2019 1:49:23 PM



#30
Chloroform
Concen: 19.515 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6





#31

Cyclohexane

Concen: 20.101 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

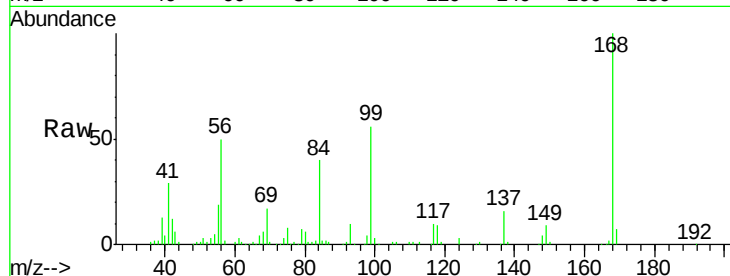
ClientSampleId :

VN0415MBS01

Tot Ion:	56	Resp:	169863
Ion Ratio	Lower	Upper	
56	100		
69	33.0	24.5	36.7
84	78.7	62.9	94.3

Manual Integrations
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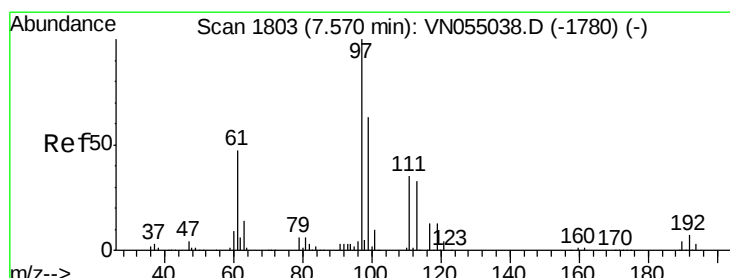
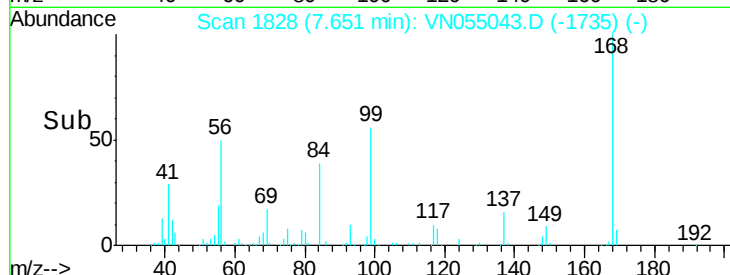
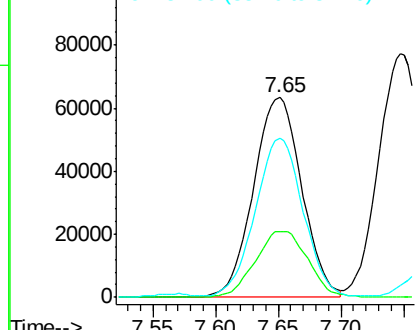


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.954 ug/l

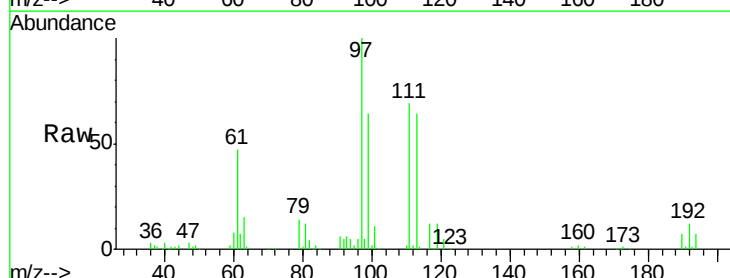
RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	97	Resp:	141519
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.6	77.4
61	48.1	38.3	57.5

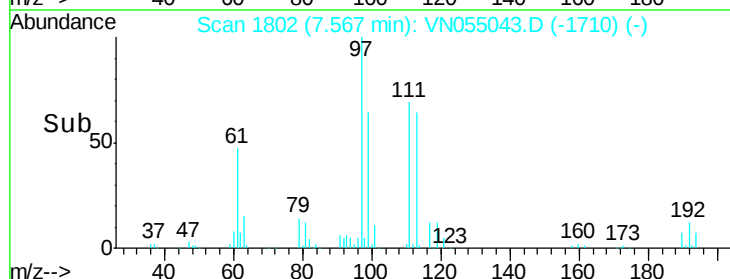
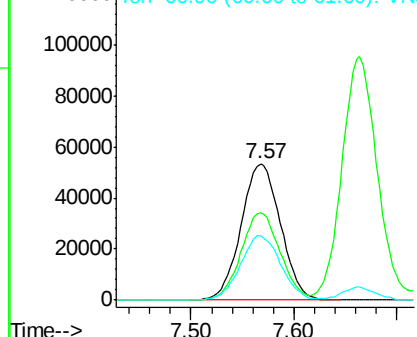


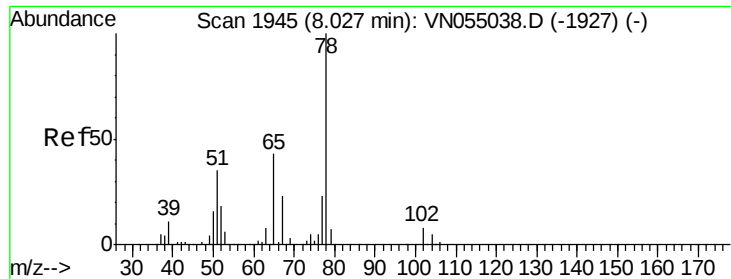
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





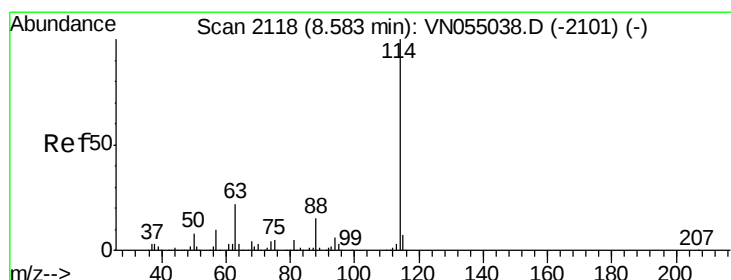
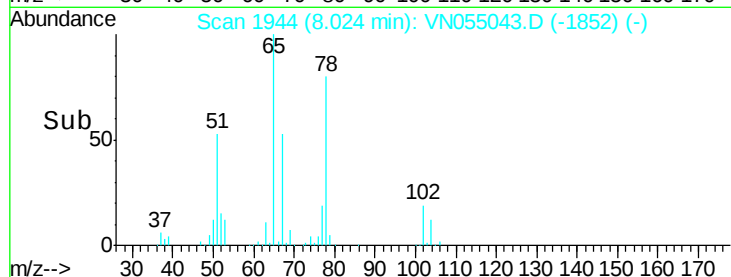
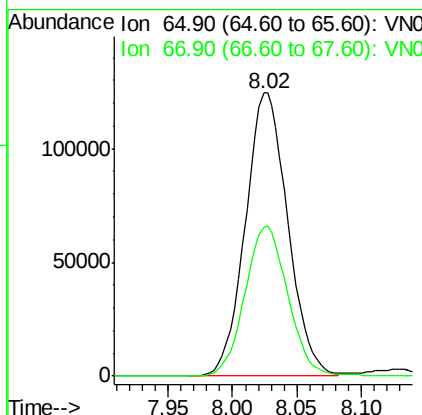
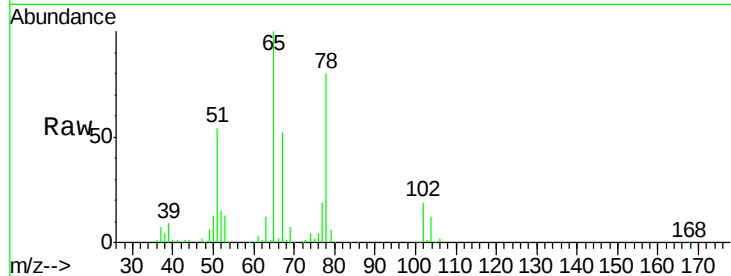
#33
 1,2-Dichloroethane-d4
 Concen: 49.565 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	285487		
67	53.7	0.0	106.4	

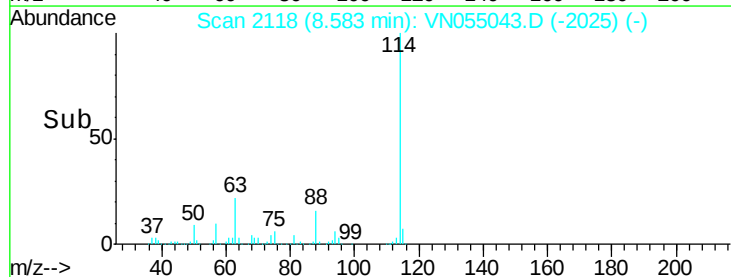
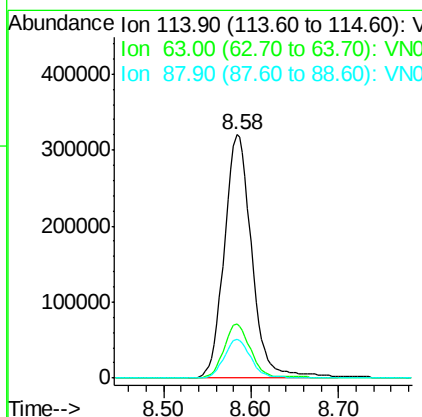
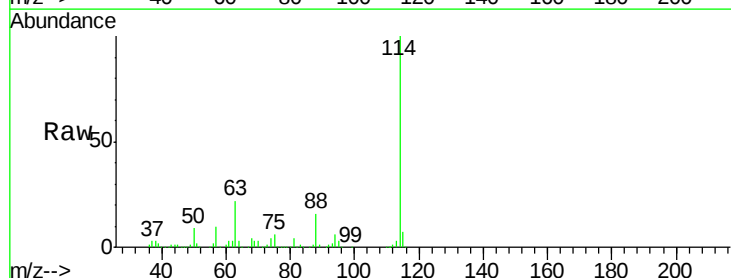
Manual Integrations
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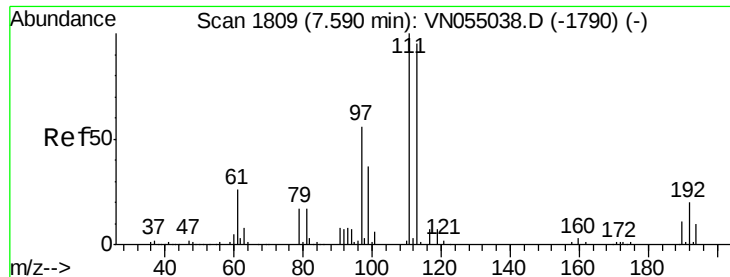
MMDadoda
 4/17/2019 1:49:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	698494		
63	22.3	0.0	45.2	
88	15.9	0.0	31.8	





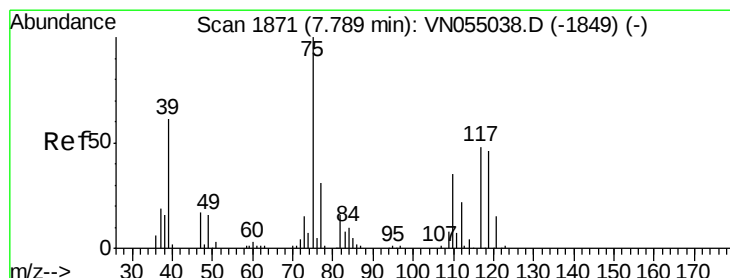
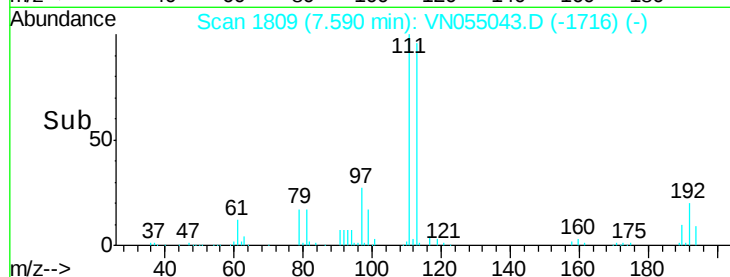
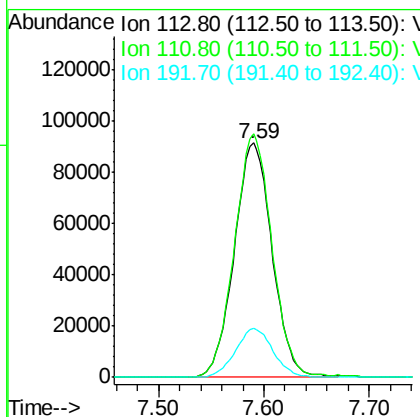
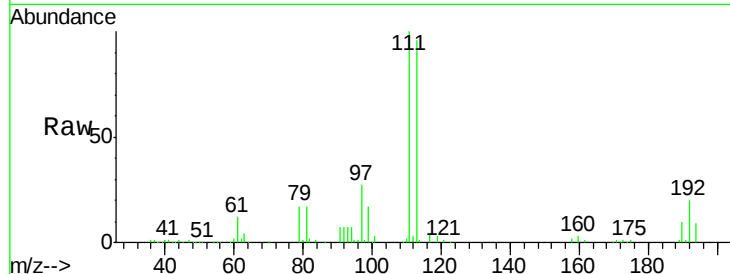
#35
 Dibromofluoromethane
 Concen: 48.725 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227454		
111	102.4	82.1	123.1	
192	20.9	16.5	24.7	

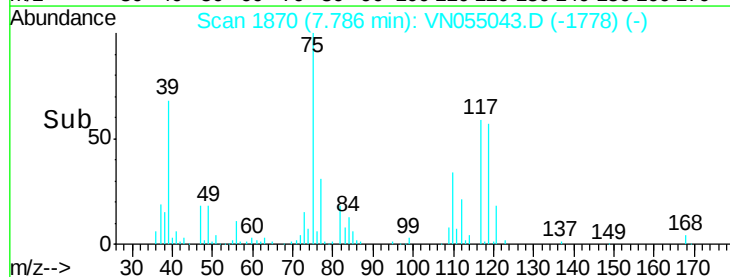
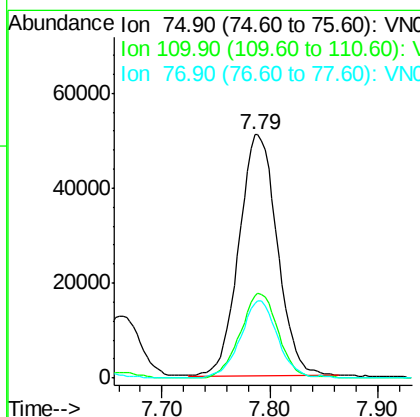
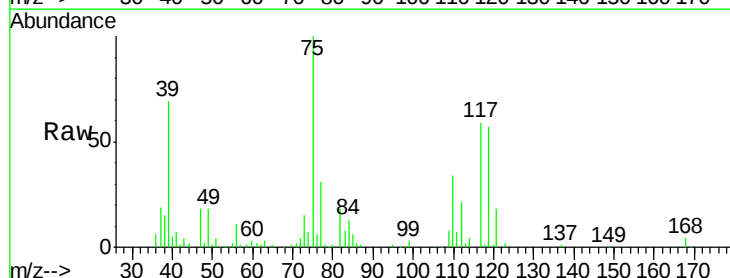
Manual Integrations
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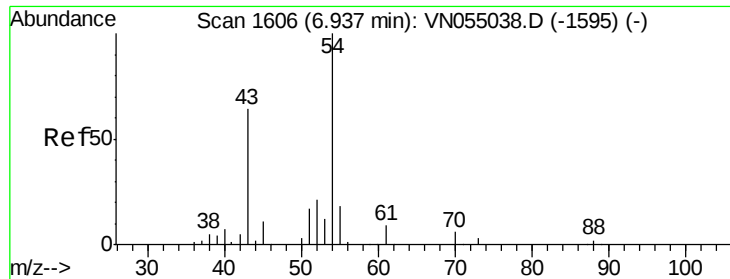
MMDadoda
 4/17/2019 1:49:23 PM



#36
 1,1-Dichloropropene
 Concen: 19.116 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125873		
110	34.9	17.5	52.5	
77	30.9	24.9	37.3	





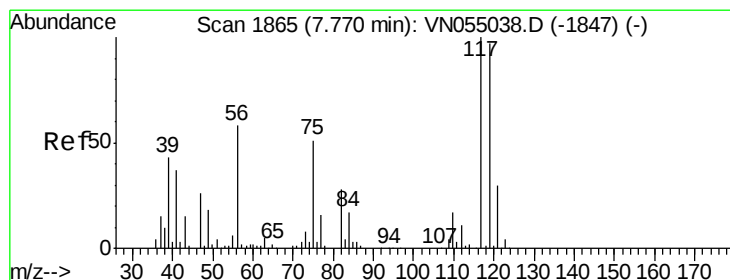
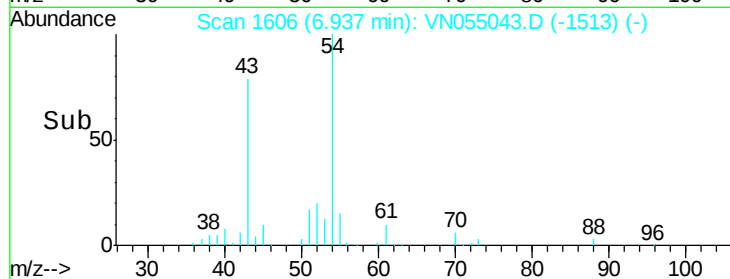
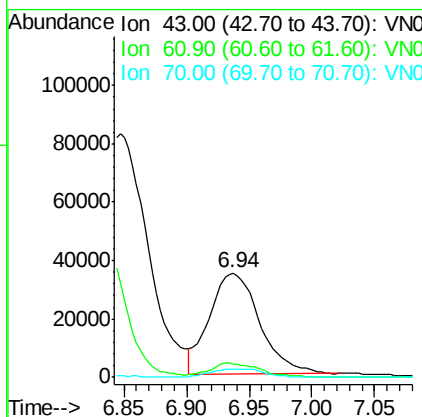
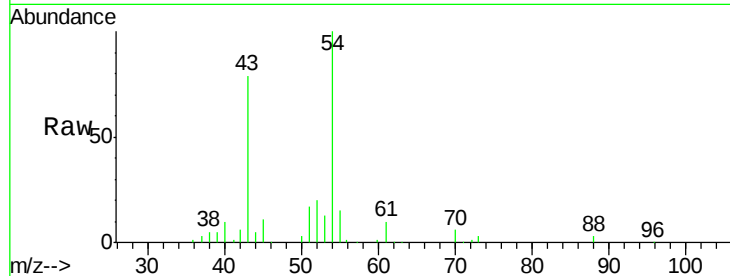
#37
Ethyl Acetate
Concen: 18.164 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampled :
VN0415MBS01

Tot Ion	43	61	70
Resp	97368		
Ratio	100	14.4	9.0
Lower		10.0	7.1
Upper		15.0	10.7

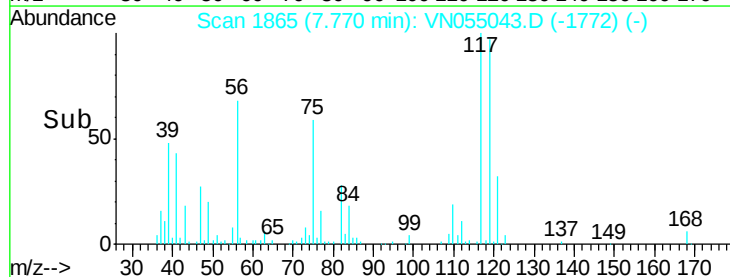
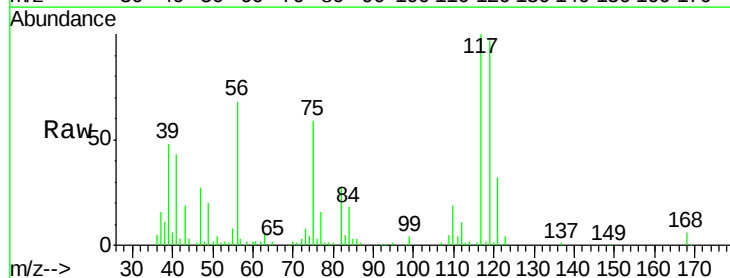
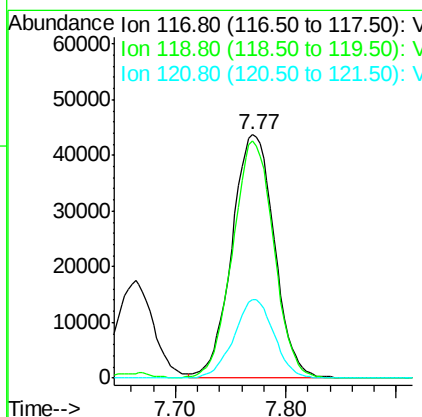
Manual Integrations
APPROVED

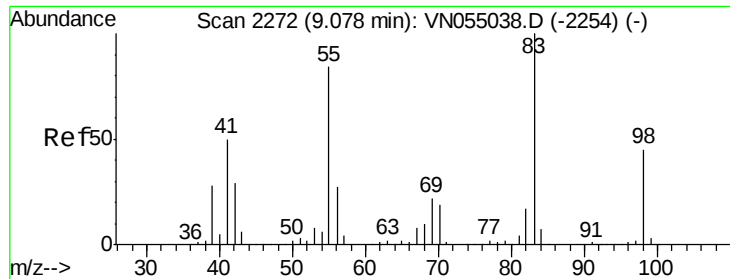
MMDadoda
4/17/2019 1:49:23 PM



#38
Carbon Tetrachloride
Concen: 18.610 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	117	119	121
Resp	116585		
Ratio	100	97.5	32.2
Lower		76.3	23.9
Upper		114.5	35.9





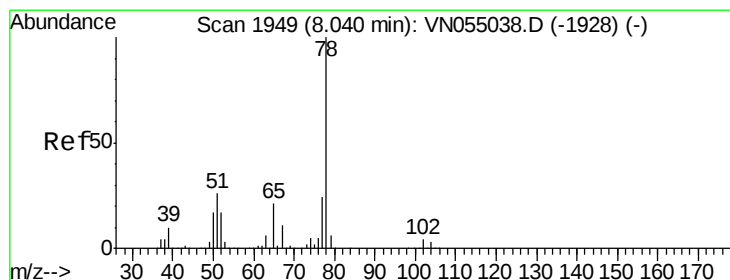
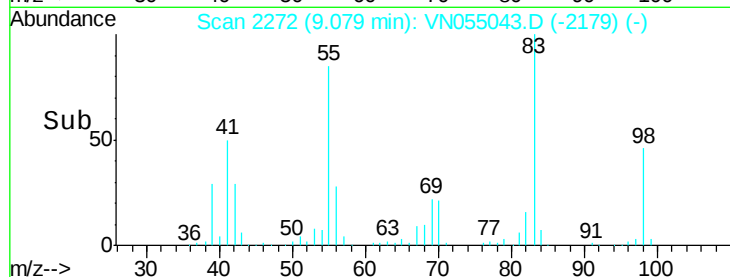
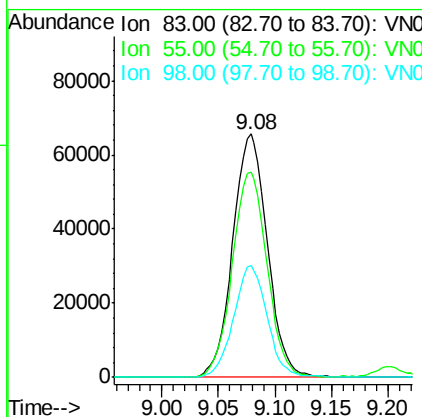
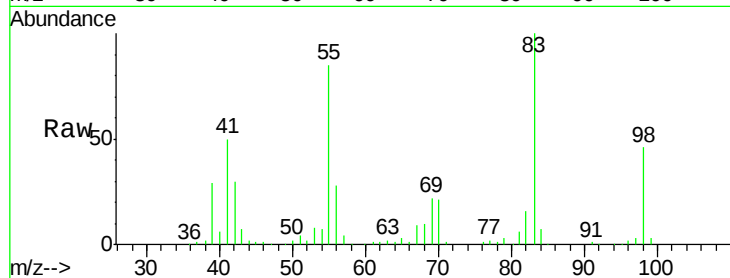
#39
Methvlcvclohexane
Concen: 19.598 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	83	Resp	139840
Ion Ratio	Lower	Upper	
83	100		
55	84.5	67.0	100.4
98	45.8	35.6	53.4

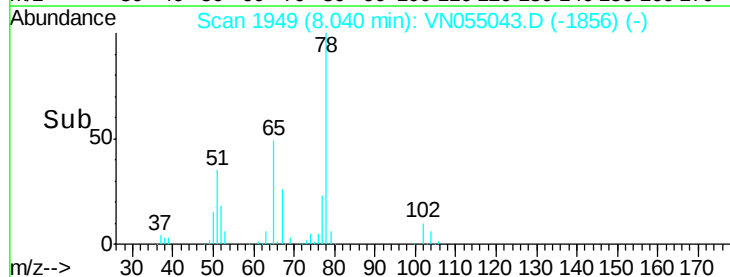
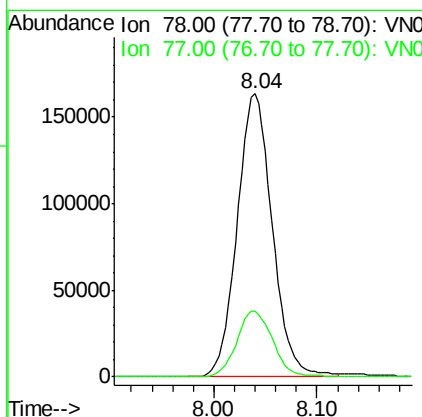
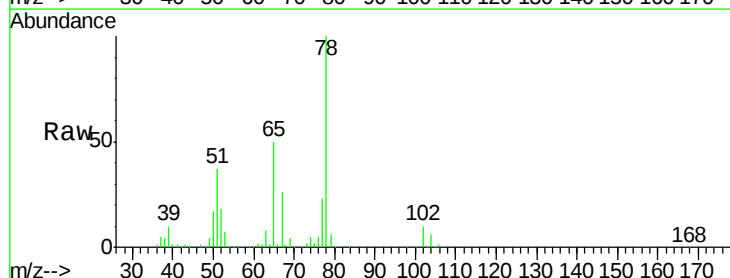
Manual Integrations
APPROVED

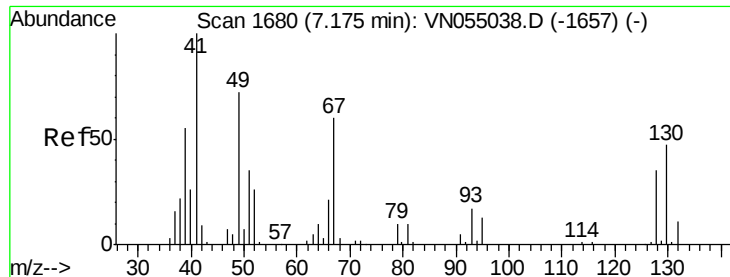
MMDadoda
4/17/2019 1:49:23 PM



#40
Benzene
Concen: 19.497 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	78	Resp	386929
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.8	28.2





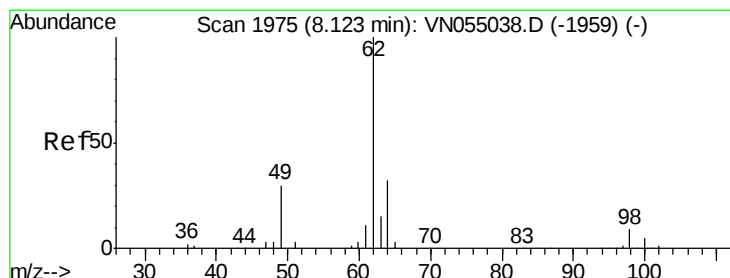
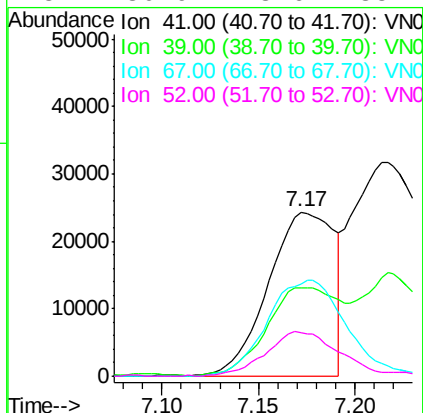
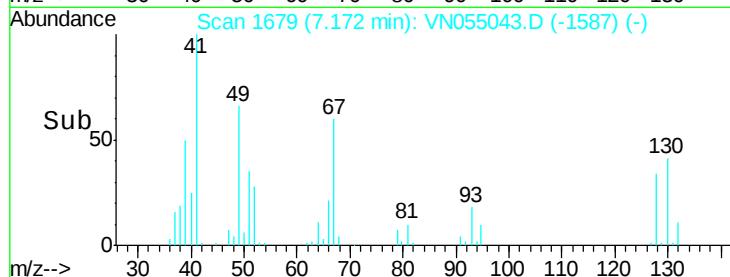
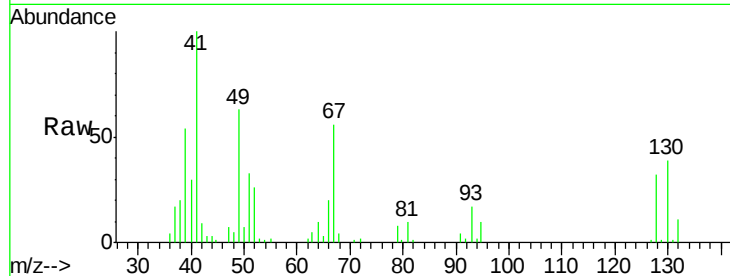
#41
Methacrylonitrile
Concen: 19.367 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	41	Resp	57630
Ion Ratio	Lower	Upper	
41	100		
39	62.5	45.6	68.4
67	70.4	57.0	85.6
52	30.9	23.6	35.4

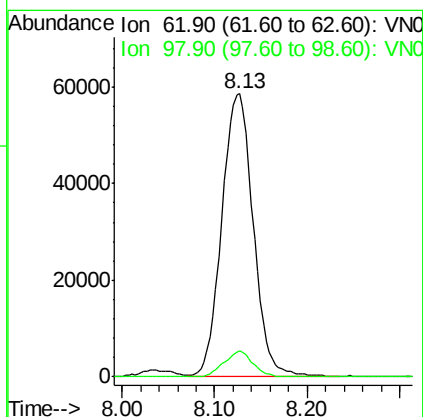
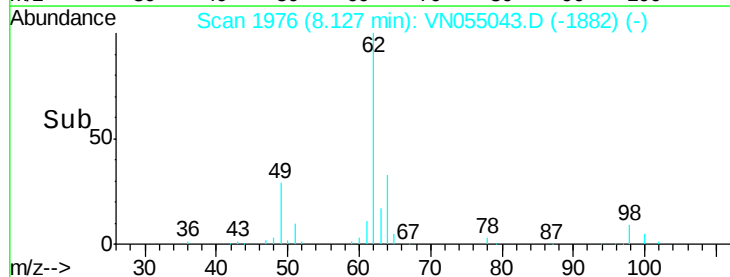
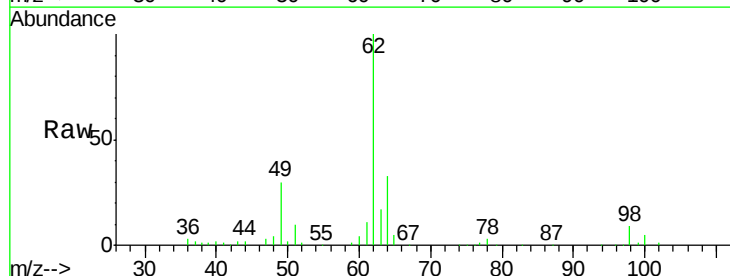
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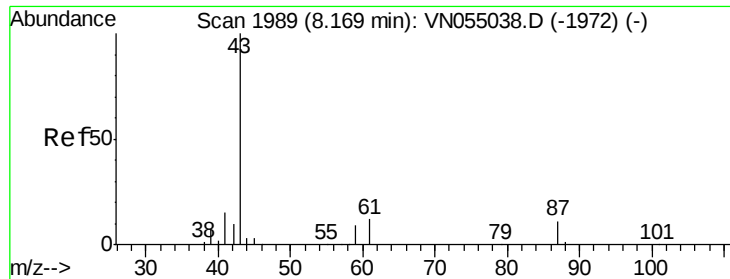
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.070 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	62	Resp	138286
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.443 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

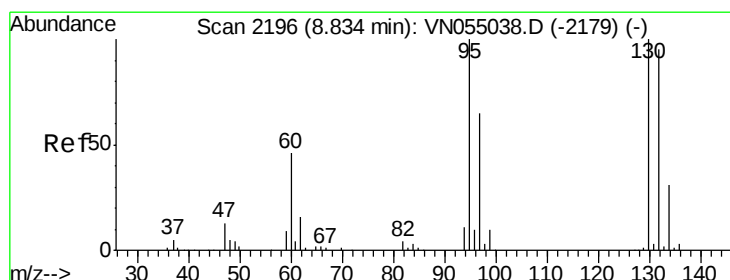
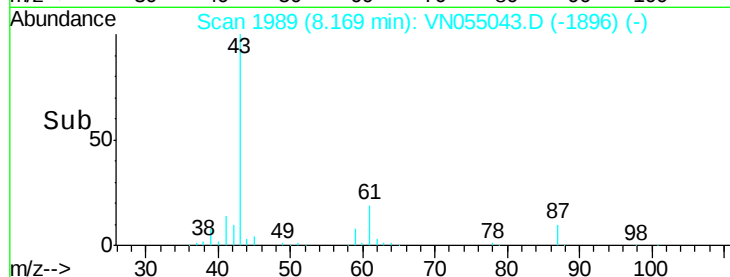
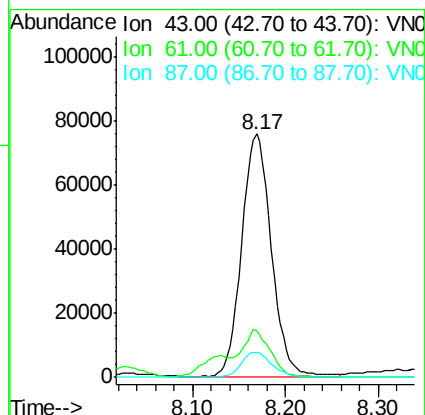
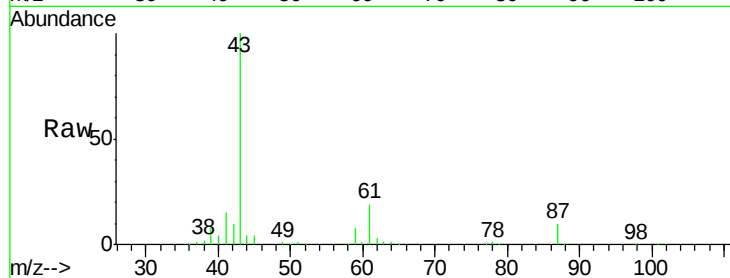
ClientSampleId :

VN0415MBS01

Tot Ion:	43	Resp:	168856
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.3	21.5
87	10.6	8.6	13.0

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#44

Trichloroethene

Concen: 19.586 ug/l

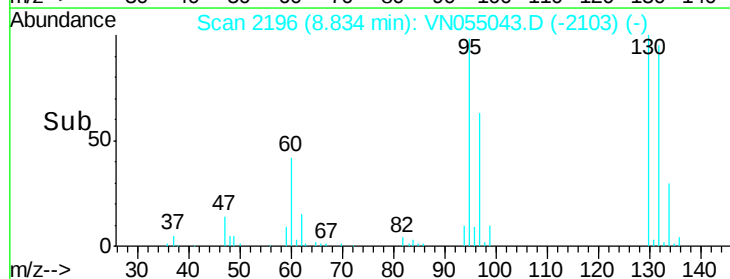
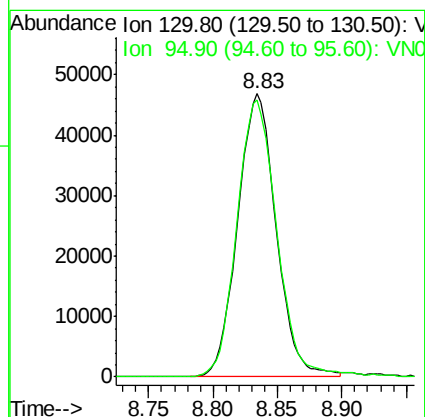
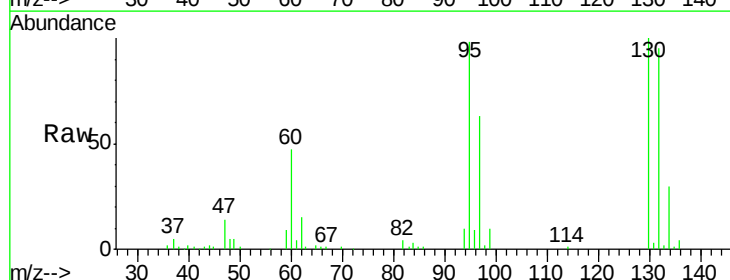
RT: 8.83 min Scan# 2196

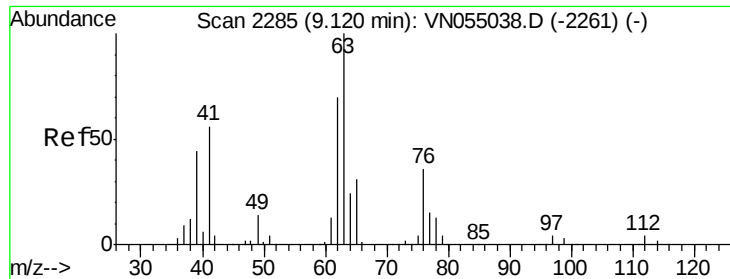
Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	130	Resp:	97358
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	201.6





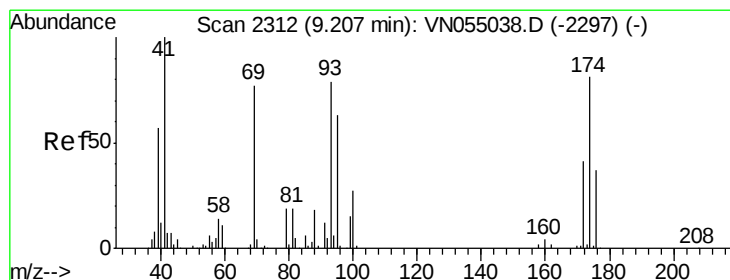
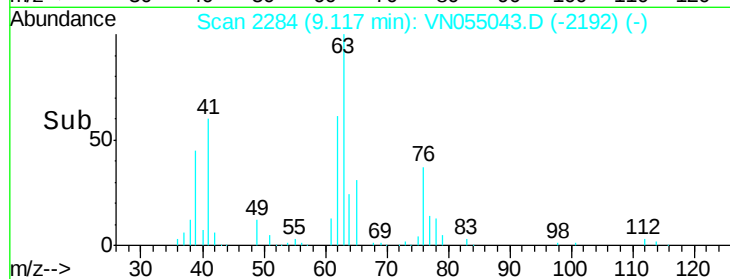
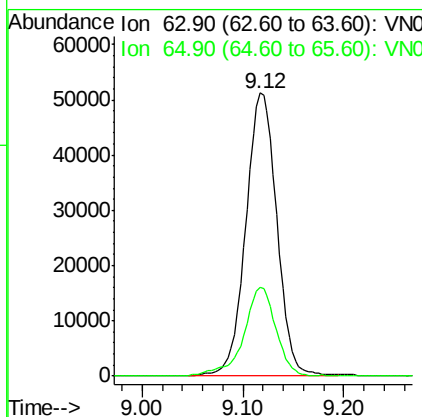
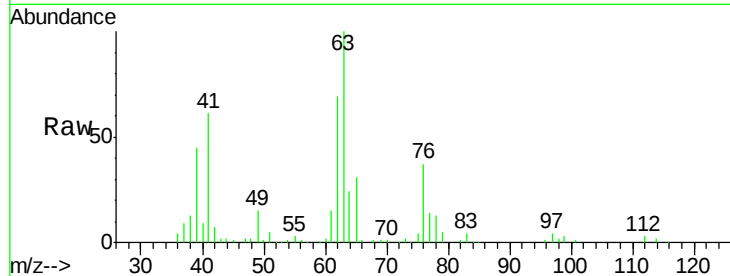
#45
 1,2-Dichloropropane
 Concen: 19.714 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion: 63 Resp: 109107
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.4 36.6

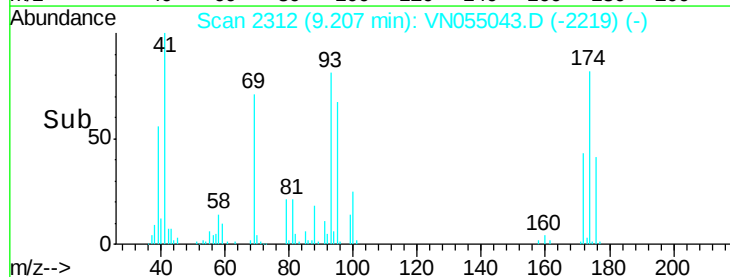
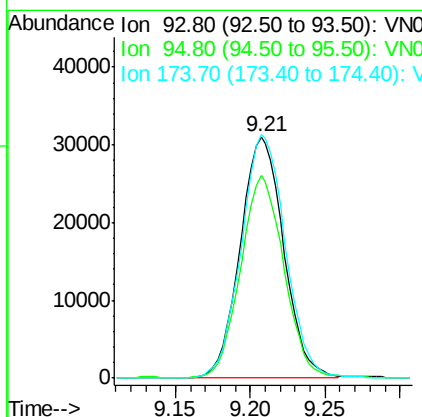
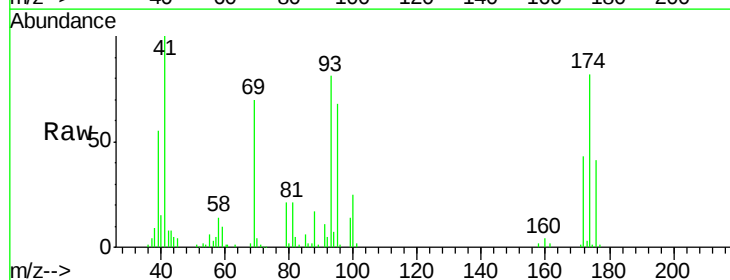
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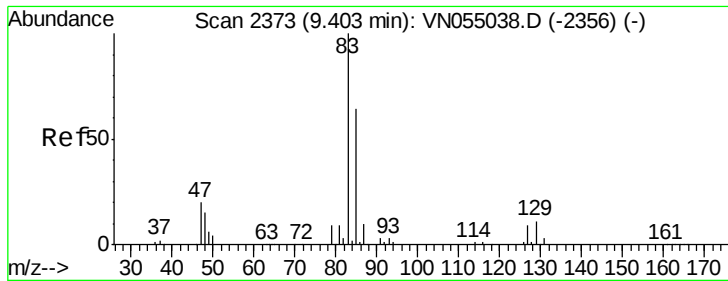
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#46
 Dibromomethane
 Concen: 19.912 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 93 Resp: 62726
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.0 97.6
 174 102.8 81.0 121.6





#47

Bromodichloromethane

Concen: 19.104 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

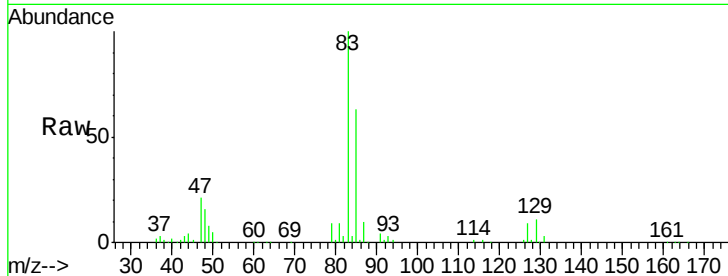
ClientSampleId :

VN0415MBS01

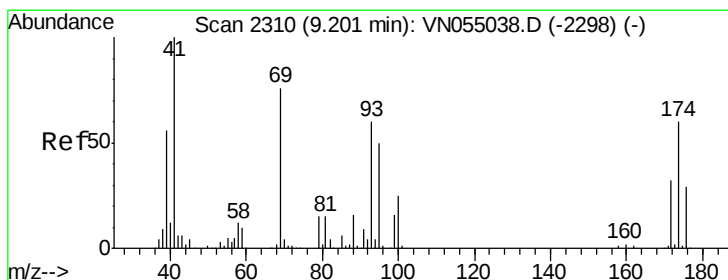
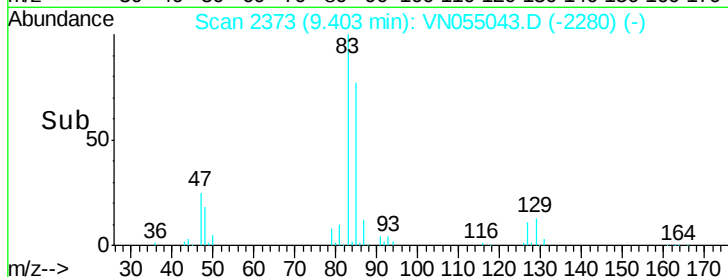
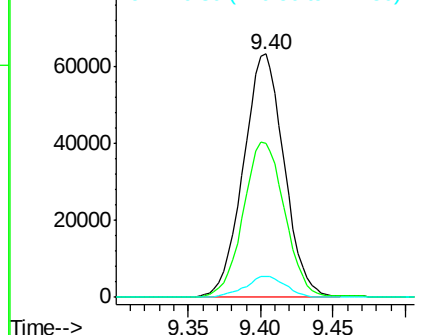
Tot Ion:	83	Resp:	124076
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.2	76.8
127	8.8	6.8	10.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055043.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.358 ug/l

RT: 9.20 min Scan# 2310

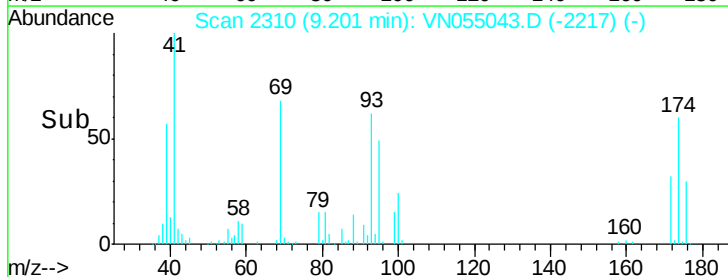
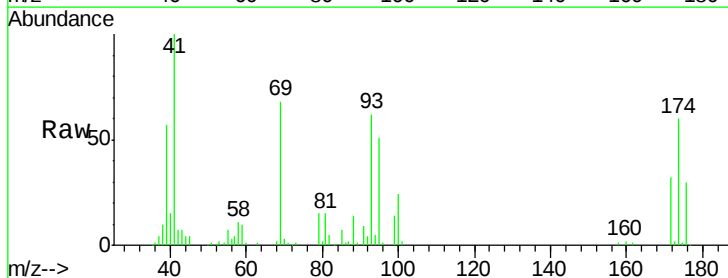
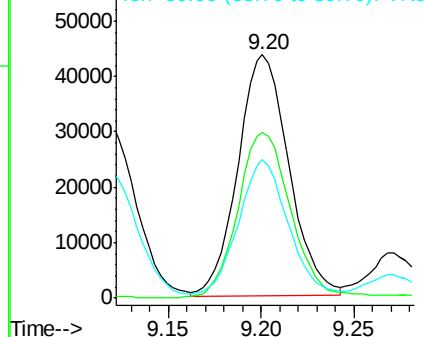
Delta R.T. 0.00 min

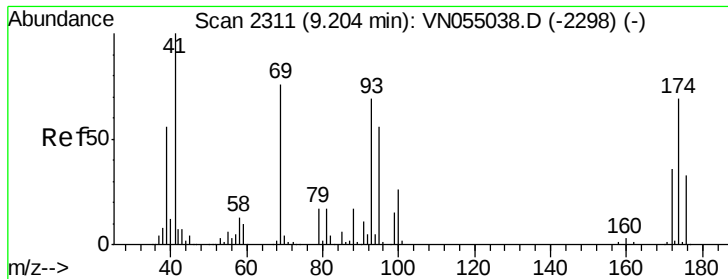
Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	41	Resp:	83348
Ion Ratio	Lower	Upper	
41	100		
69	71.6	60.5	90.7
39	55.3	43.9	65.9

Abundance Ion 41.00 (40.70 to 41.70): VN055043.D (-2217) (-)





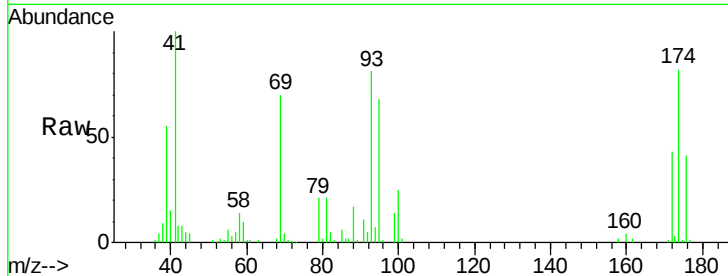
#49
1,4-Dioxane
Concen: 361.315 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

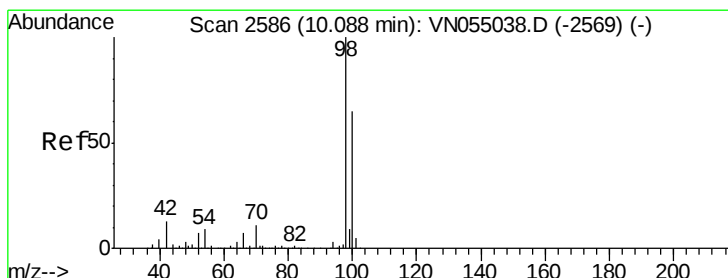
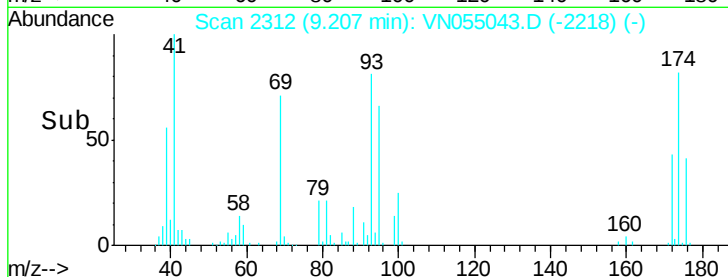
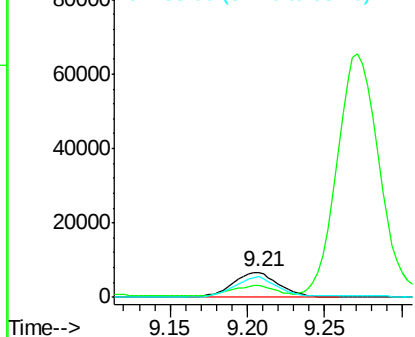
Tot Ion	88	Resp	13859
Ion	Ratio	Lower	Upper
88	100		
43	37.1	31.8	47.8
58	77.7	61.6	92.4

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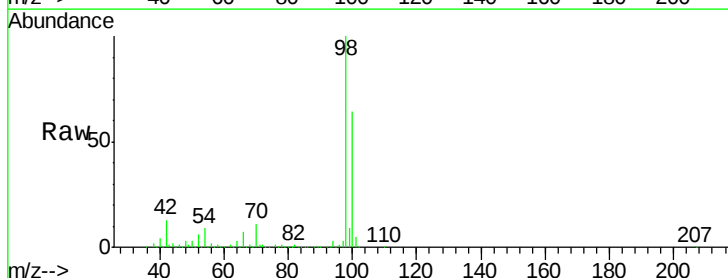


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

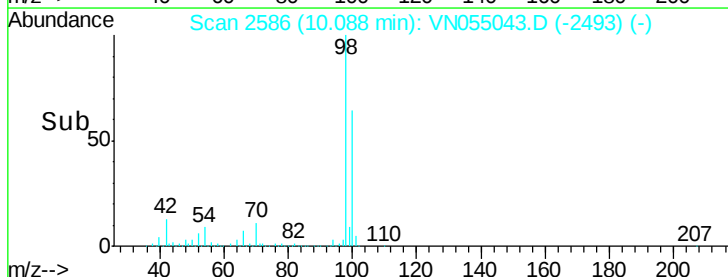
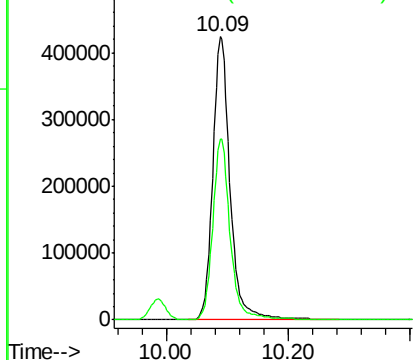


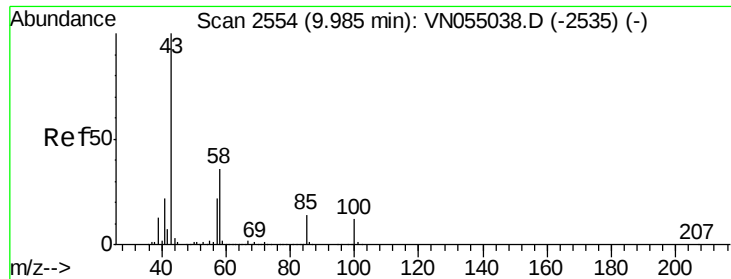
#50
Toluene-d8
Concen: 50.146 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	98	Resp	837809
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





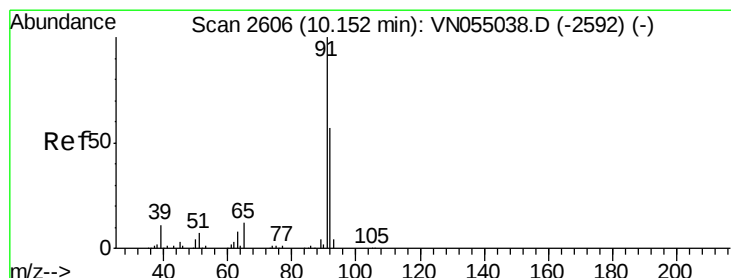
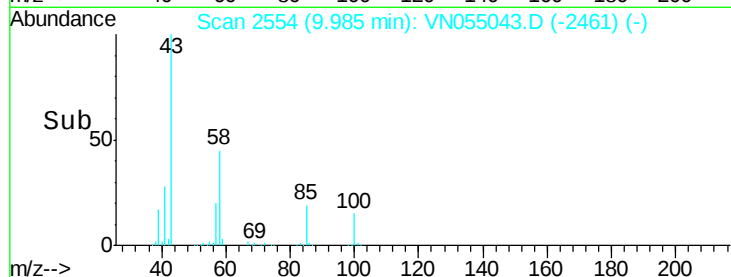
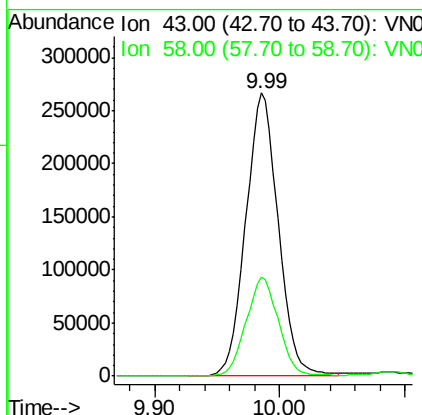
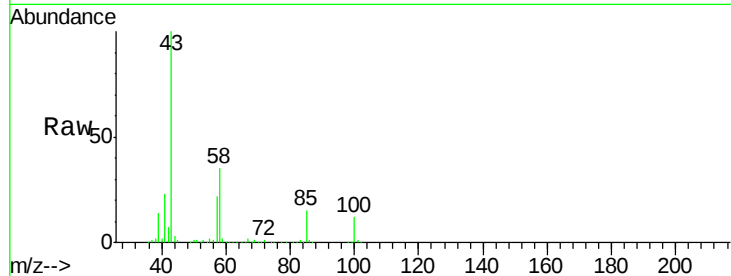
#51
4-Methyl-2-Pentanone
Concen: 100.291 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.0	43.4

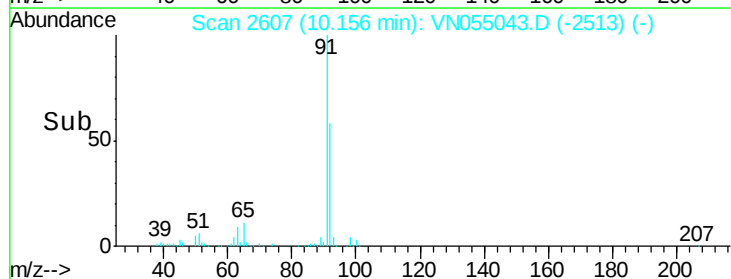
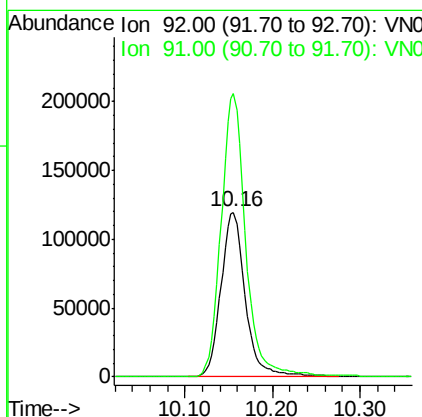
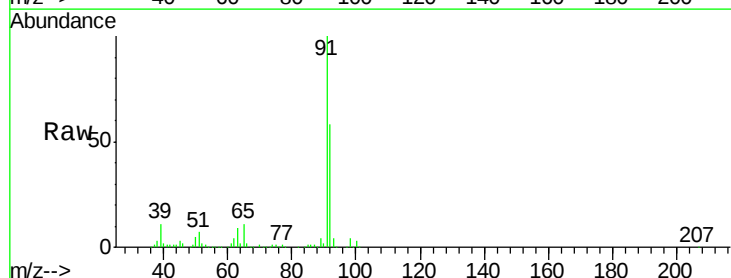
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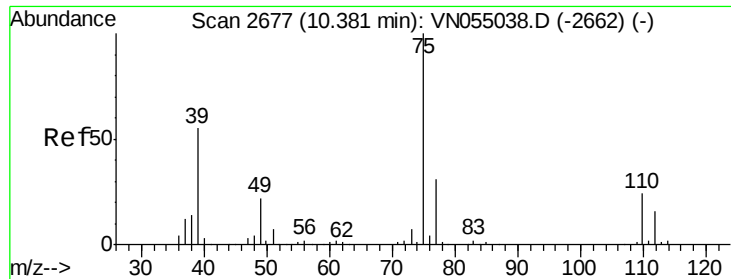
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#52
Toluene
Concen: 20.454 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.8	140.8	211.2





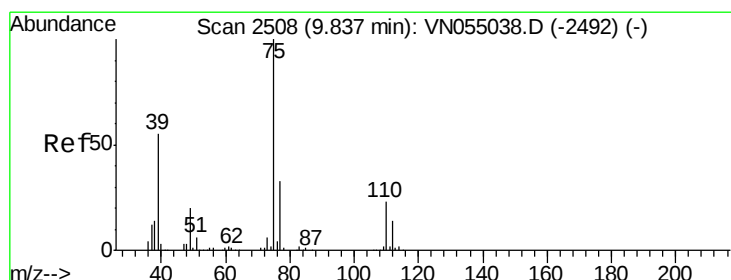
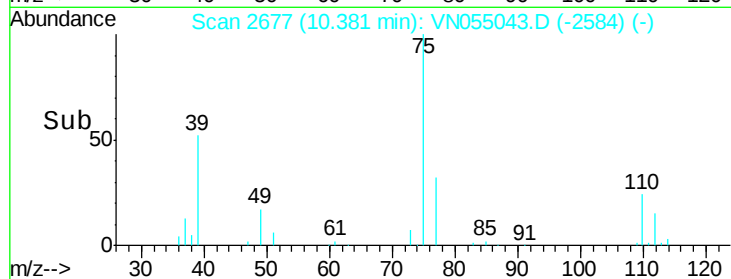
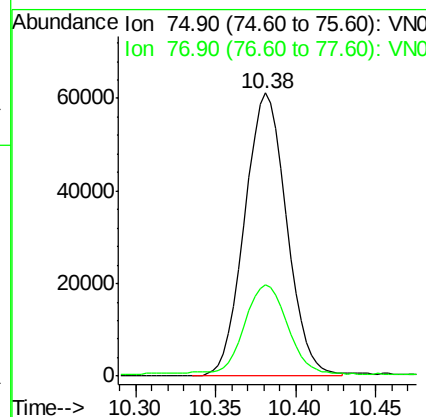
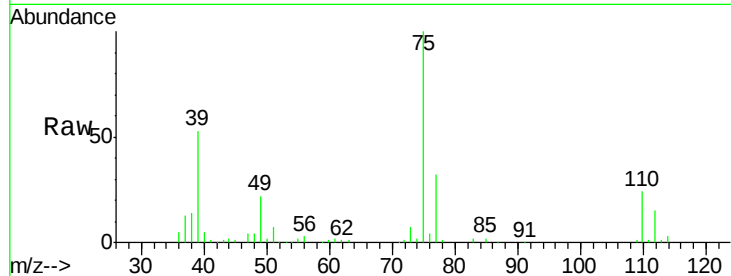
#53
 t-1,3-Dichloropropene
 Concen: 19.424 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	110250		
77	31.2	24.6		37.0

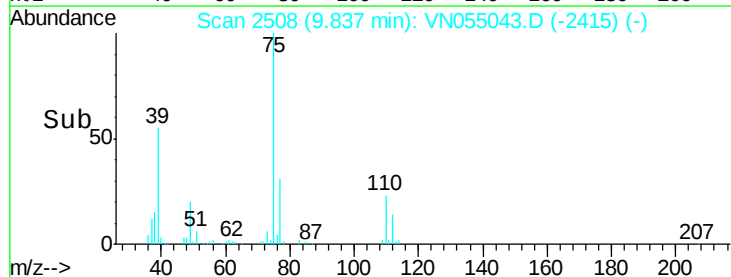
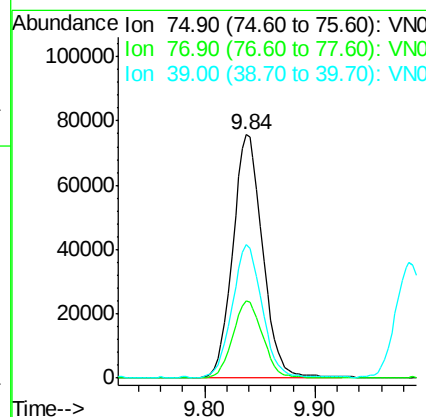
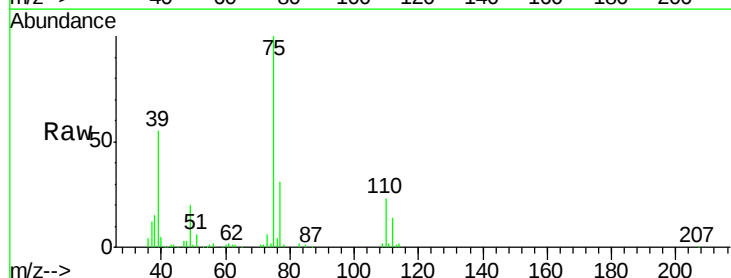
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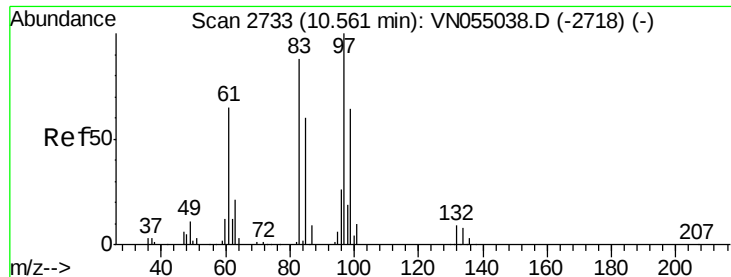
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#54
 cis-1,3-Dichloropropene
 Concen: 20.183 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142181		
77	31.5	25.8		38.6
39	54.5	43.8		65.8





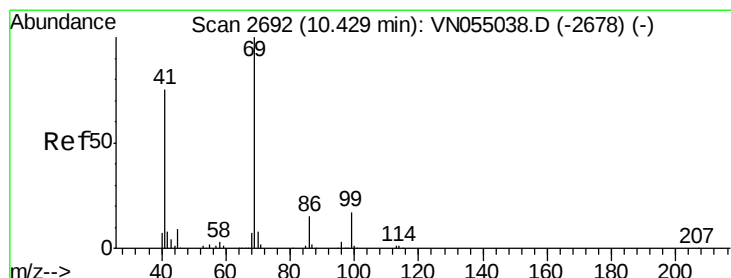
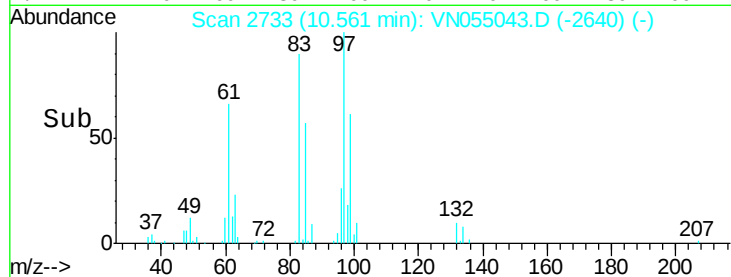
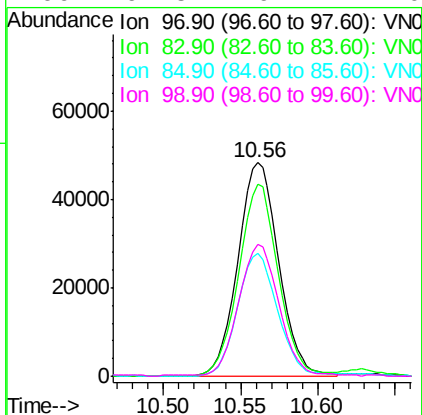
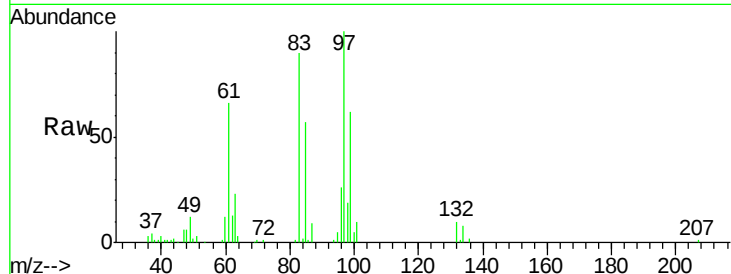
#55
 1,1,2-Trichloroethane
 Concen: 20.282 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion:	97	Resp:	88816
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.5	105.7
85	57.4	45.5	68.3
99	61.5	49.4	74.0

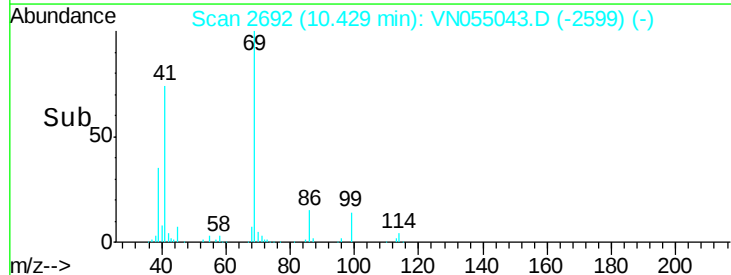
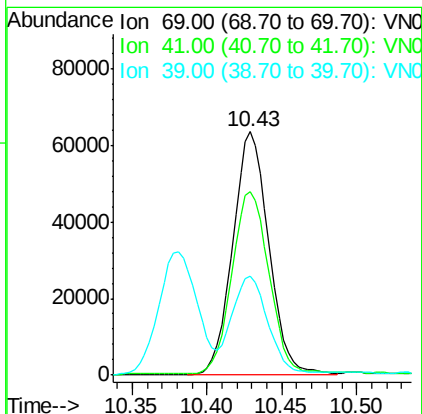
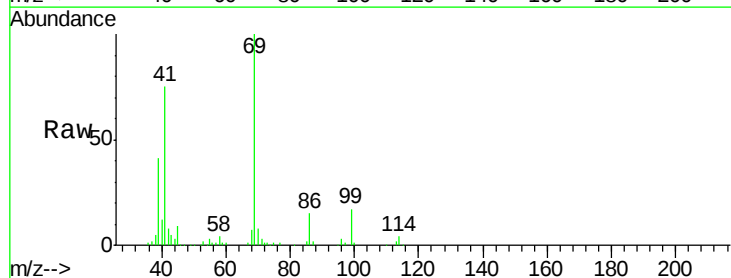
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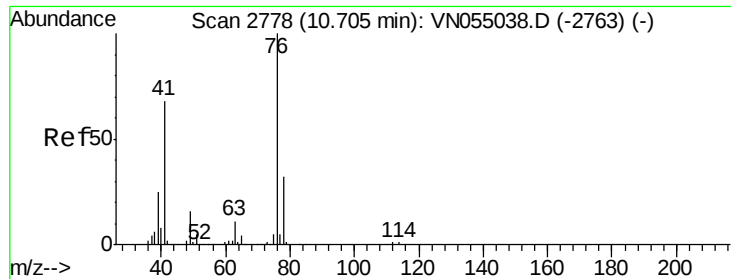
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#56
 Ethyl methacrylate
 Concen: 20.362 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion:	69	Resp:	107013
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.4	92.0
39	39.5	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.072 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion: 76 Resp: 149650

Ion Ratio Lower Upper

76 100

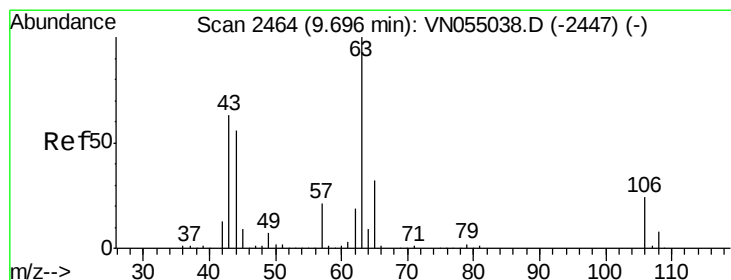
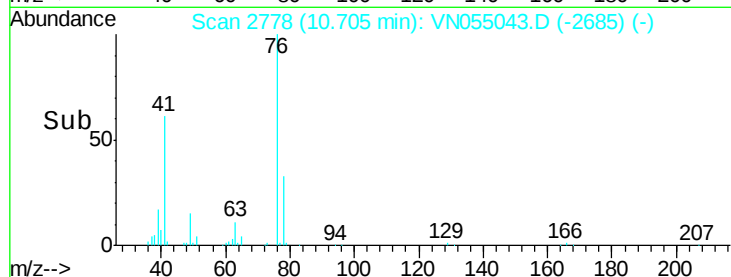
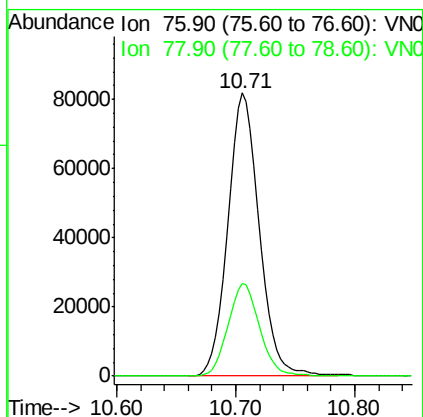
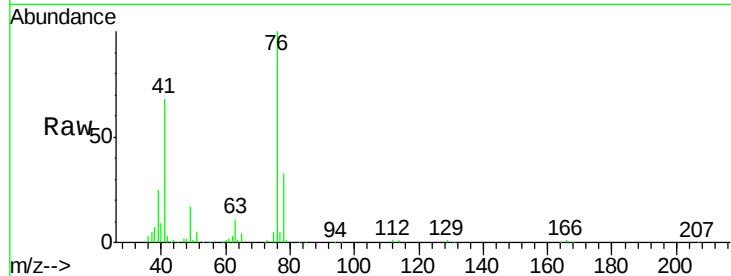
78 32.9 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.172 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055043.D

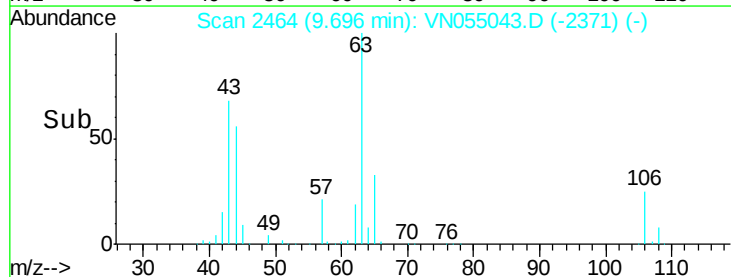
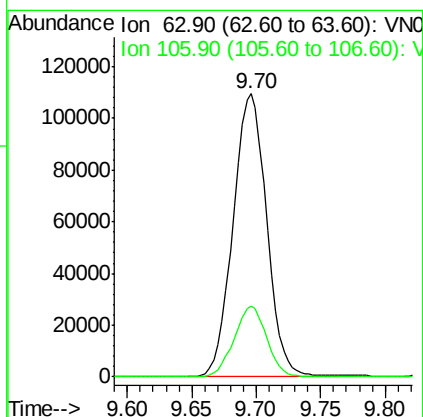
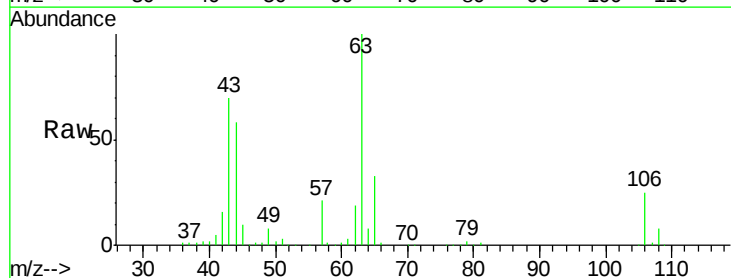
Acq: 15 Apr 2019 14:39

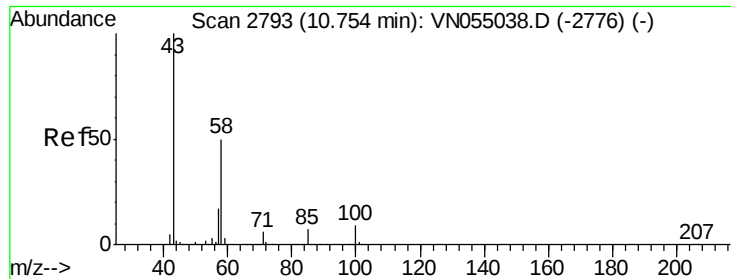
Tgt Ion: 63 Resp: 198825

Ion Ratio Lower Upper

63 100

106 24.1 20.0 30.0





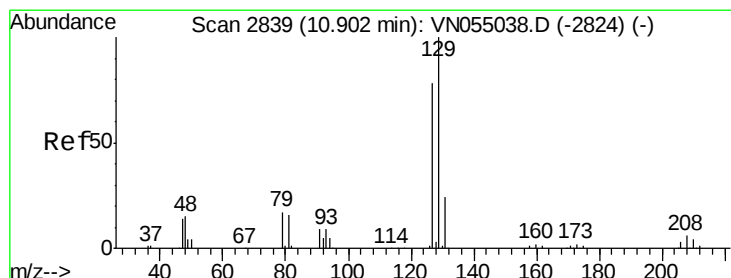
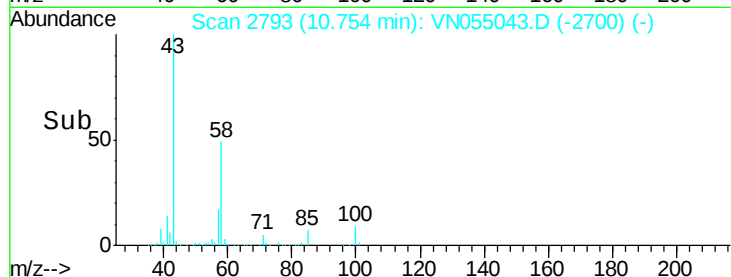
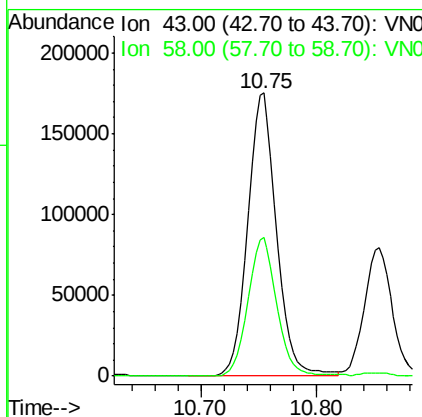
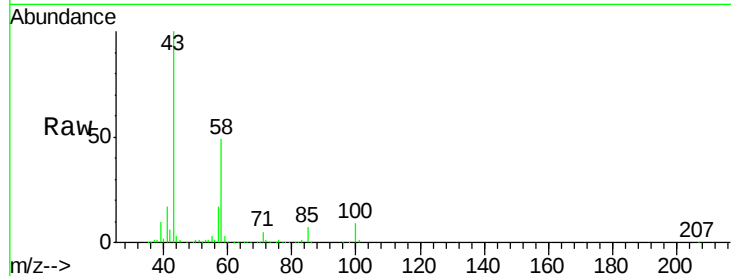
#59
2-Hexanone
Concen: 101.137 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion: 43 Resp: 303136
Ion Ratio Lower Upper
43 100
58 49.3 25.1 75.2

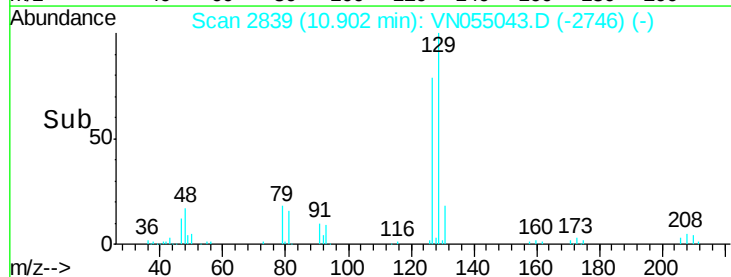
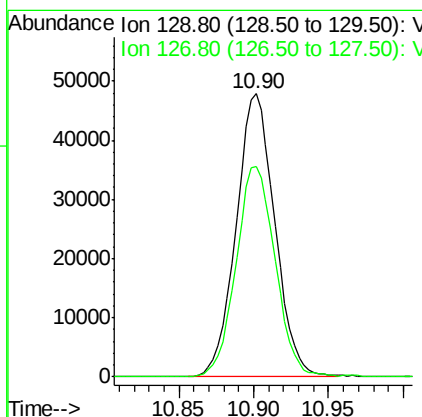
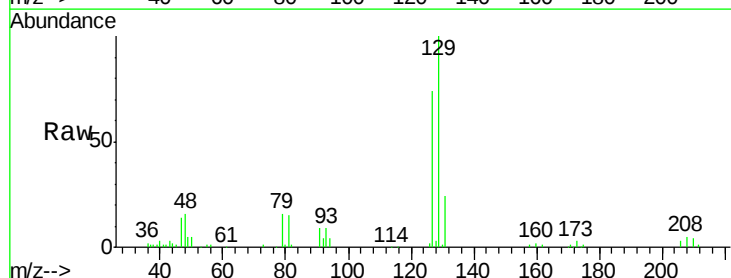
Manual Integrations
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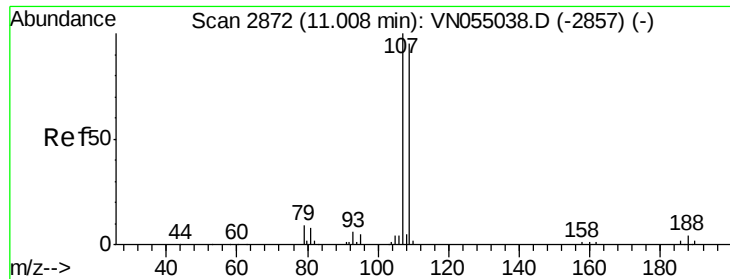
MMDadoda
4/17/2019 1:49:23 PM



#60
Dibromochloromethane
Concen: 20.140 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 129 Resp: 86120
Ion Ratio Lower Upper
129 100
127 75.2 38.2 114.6





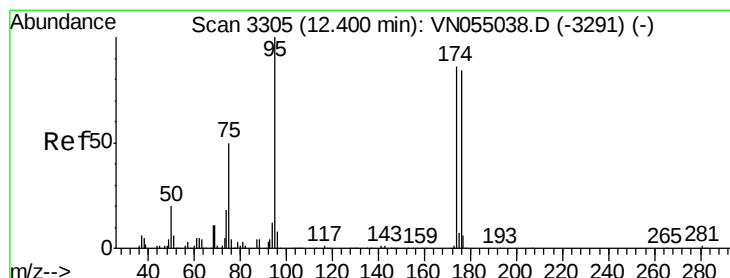
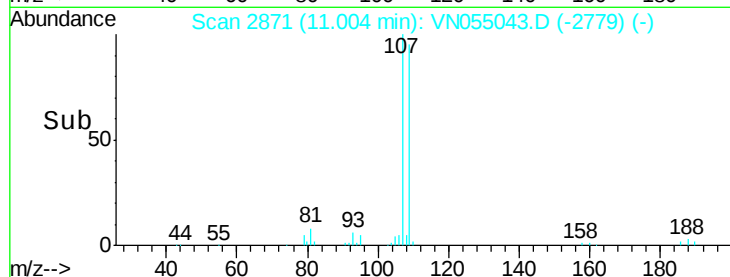
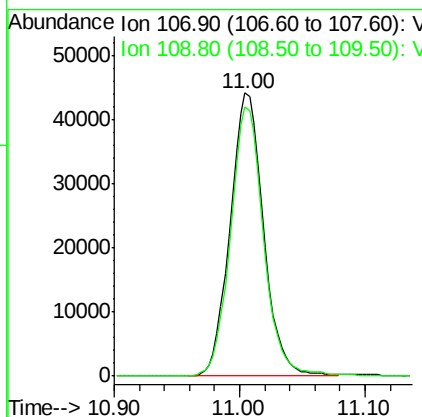
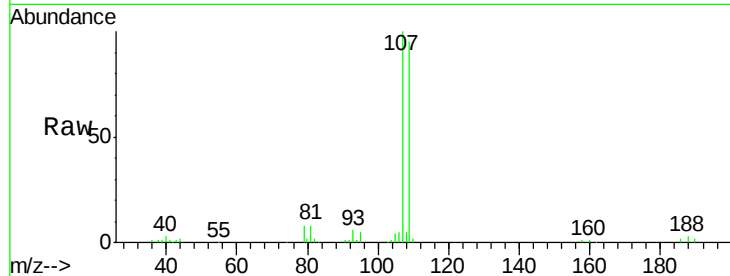
#61
 1,2-Dibromoethane
 Concen: 20.238 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion: 107 Resp: 81573
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.5 114.7

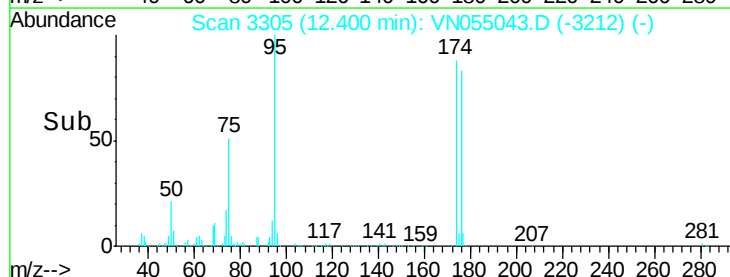
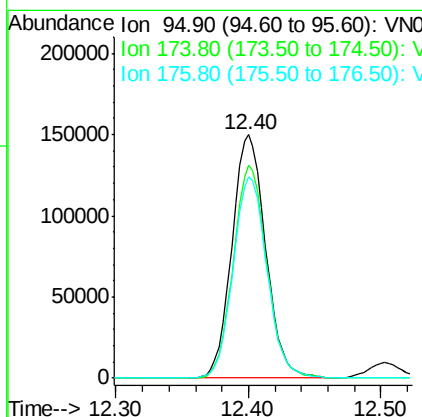
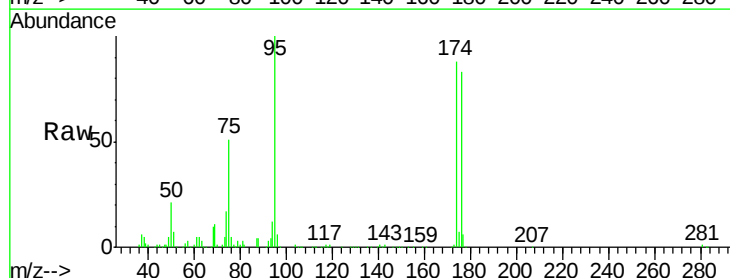
Manual Integrations
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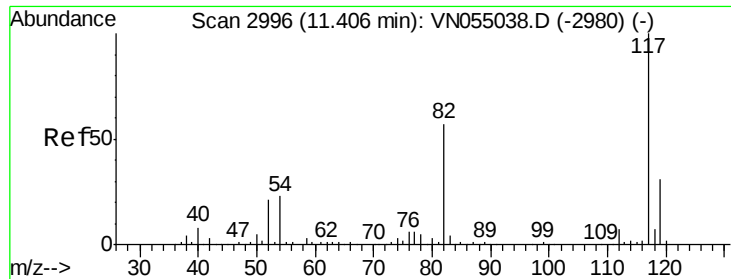
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.682 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 95 Resp: 264418
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 174.4
 176 83.4 0.0 166.8





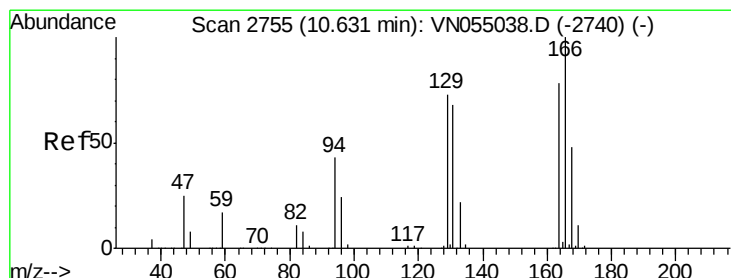
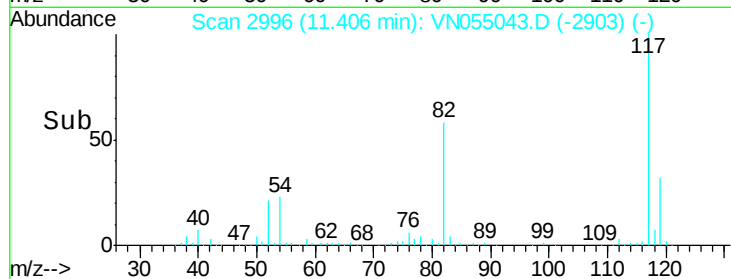
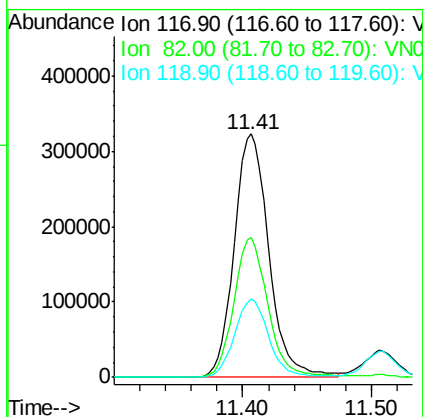
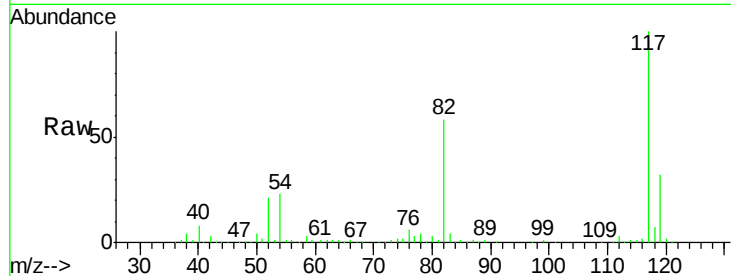
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	66.8
119	32.2	25.5	38.3

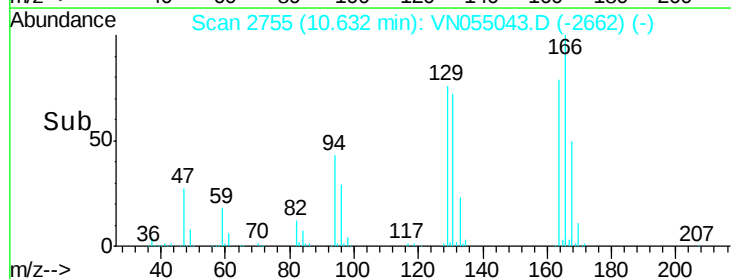
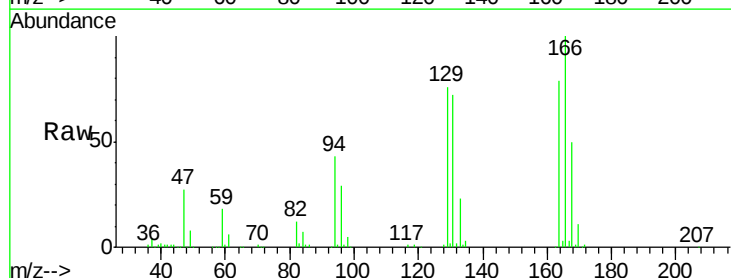
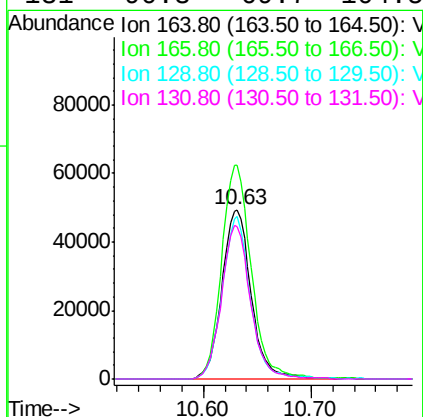
Manual Integrations
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#64
Tetrachloroethene
Concen: 18.993 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	100.0	150.0
129	95.7	72.0	108.0
131	90.3	69.7	104.5





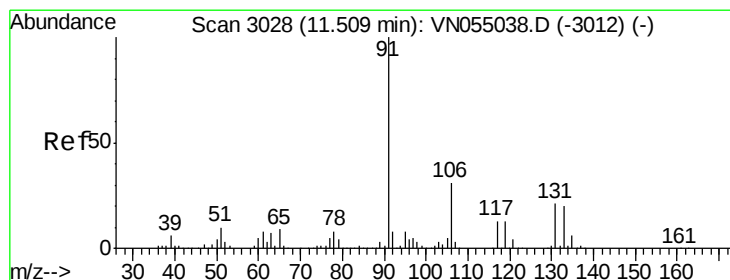
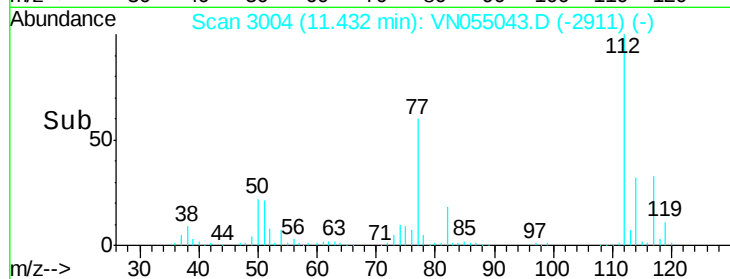
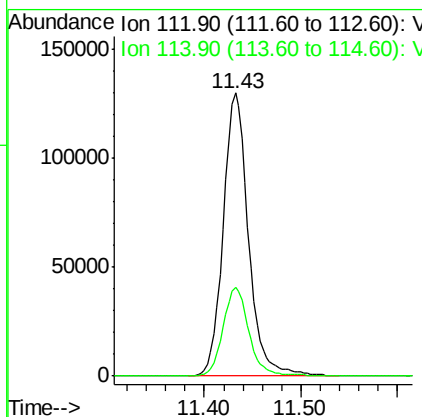
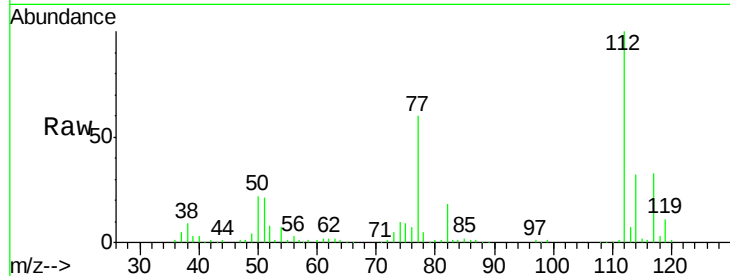
#65
Chlorobenzene
Concen: 19.391 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion:112 Resp: 235444
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

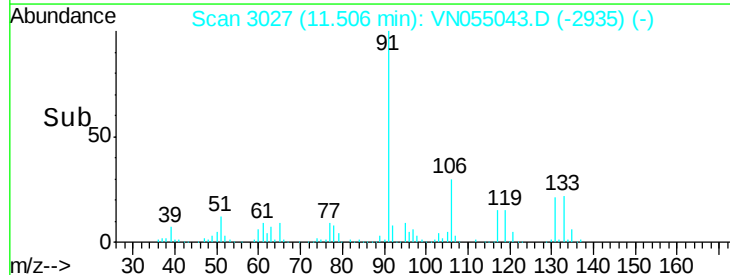
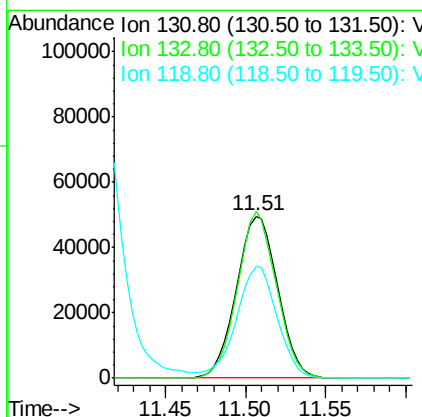
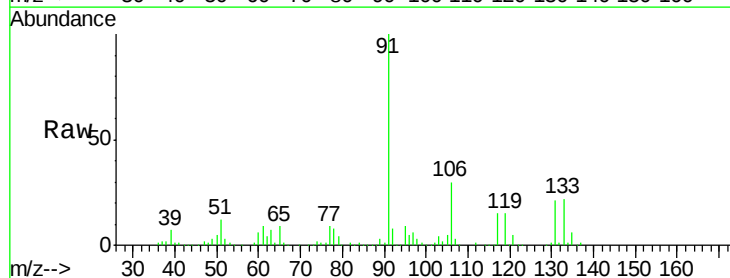
Manual Integrations
APPROVED

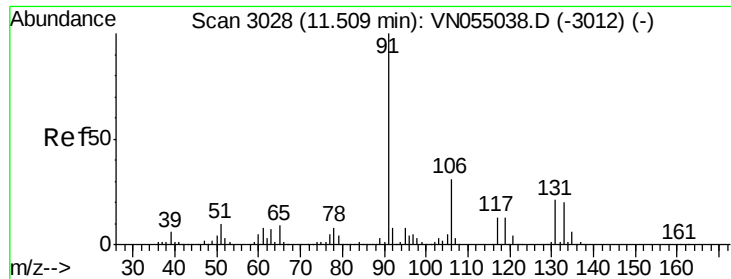
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.557 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion:131 Resp: 87333
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 68.1 33.6 100.6





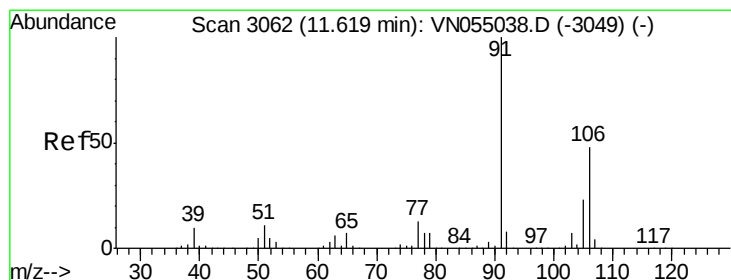
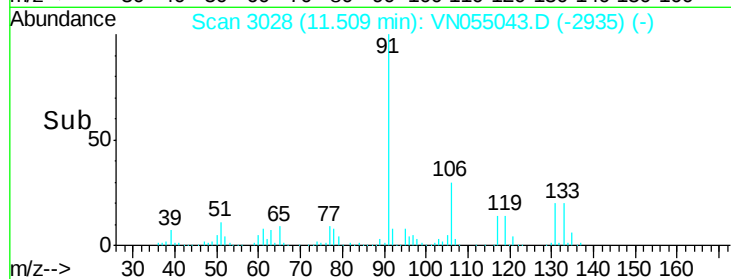
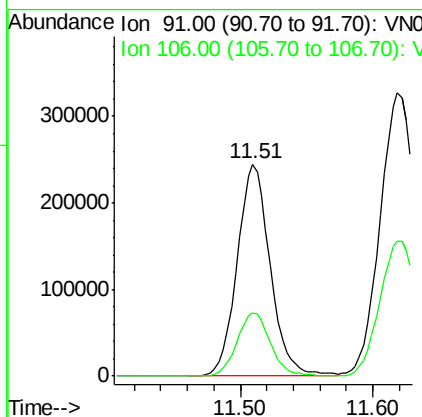
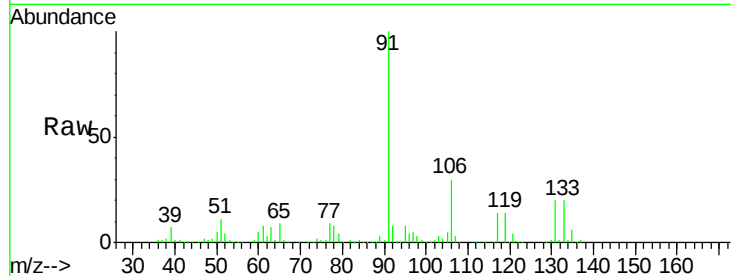
#67
Ethyl Benzene
Concen: 19.547 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion: 91 Resp: 423828
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5

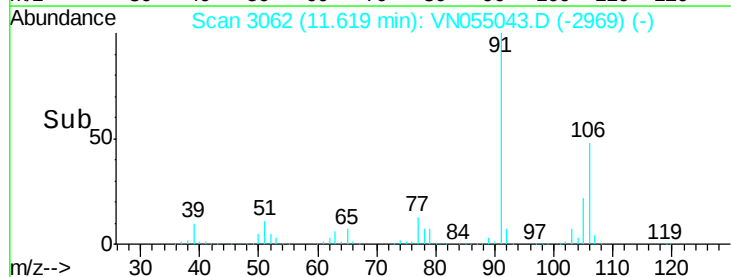
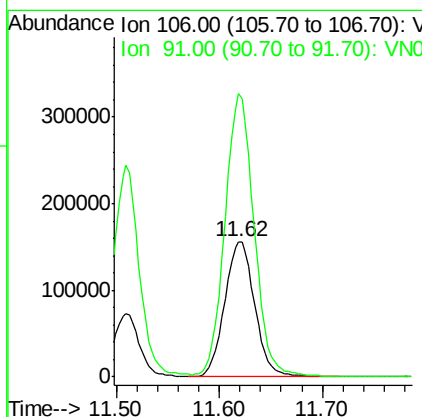
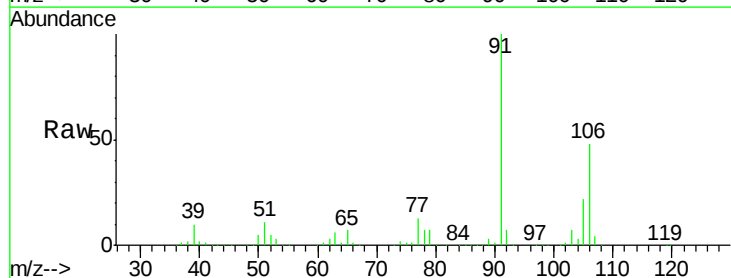
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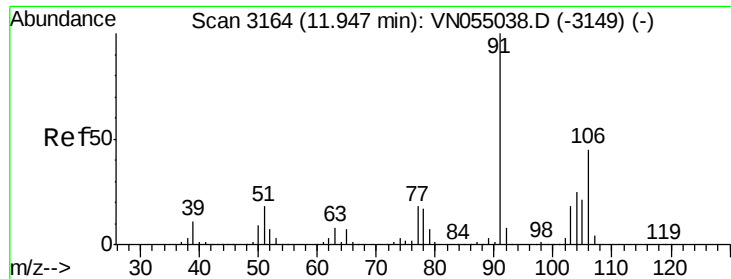
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#68
m/p-Xylenes
Concen: 40.194 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 106 Resp: 315584
Ion Ratio Lower Upper
106 100
91 204.5 165.9 248.9





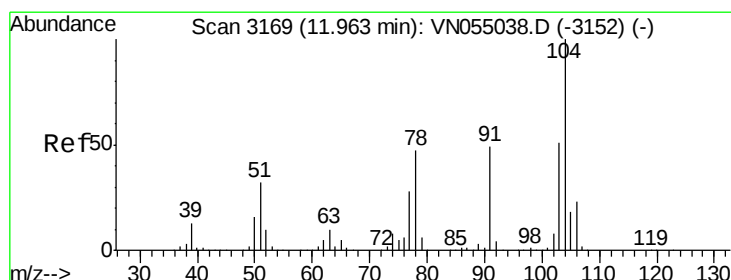
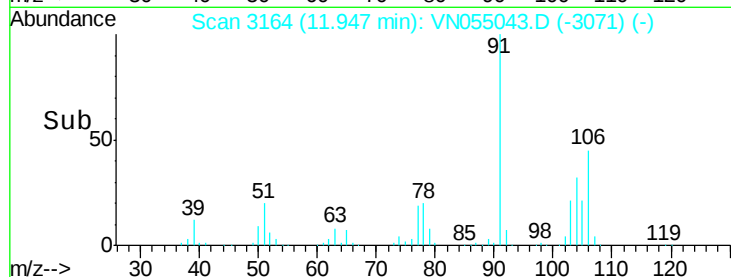
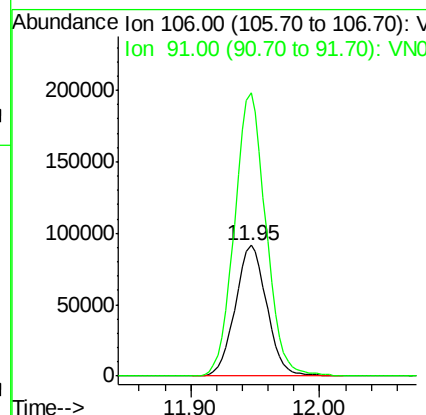
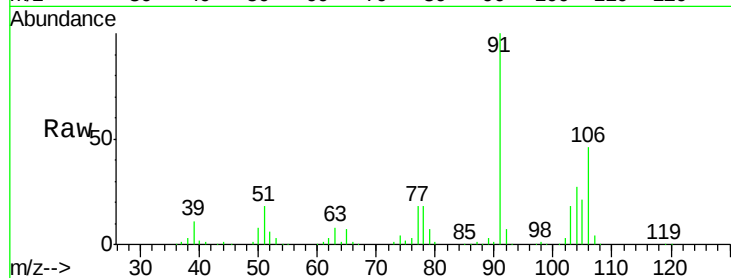
#69
o-Xylene
Concen: 20.422 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion:106 Resp: 155300
Ion Ratio Lower Upper
106 100
91 216.2 109.9 329.8

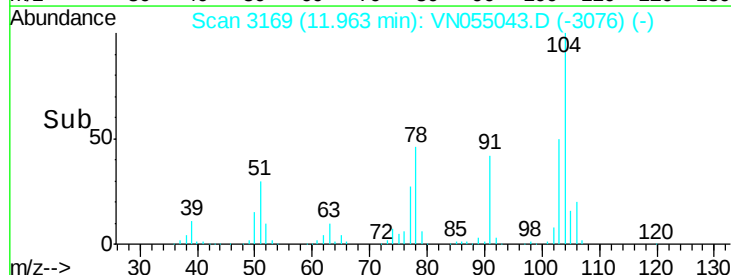
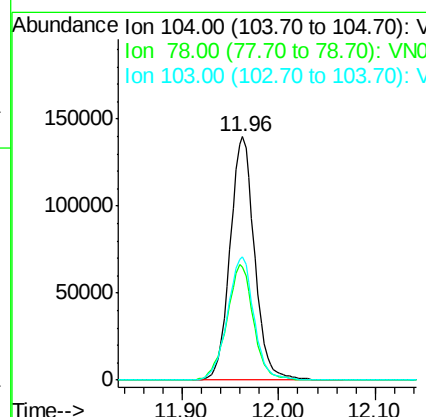
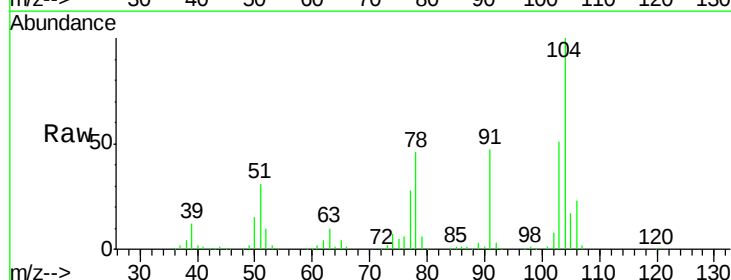
Manual Integrations
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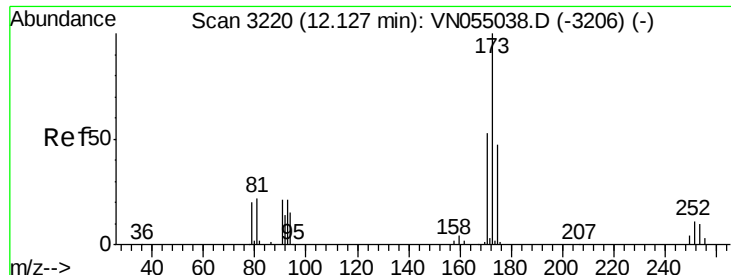
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#70
Styrene
Concen: 20.003 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion:104 Resp: 246236
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 54.7 44.3 66.5





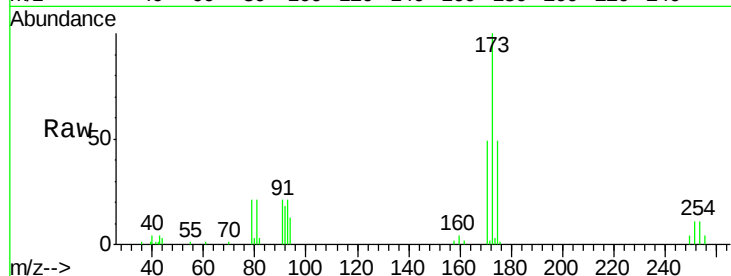
#71
Bromoform
Concen: 19.808 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

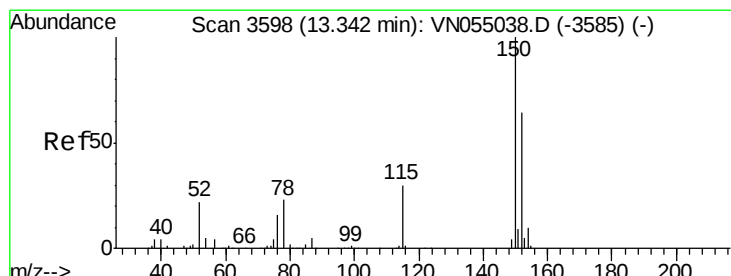
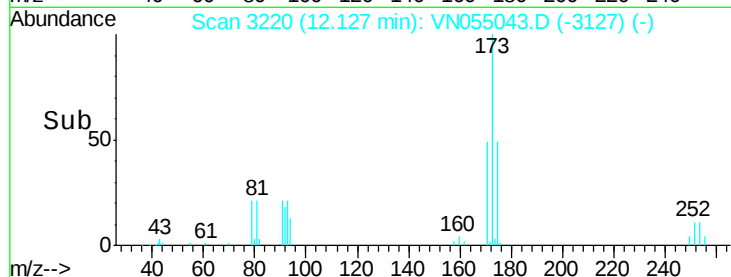
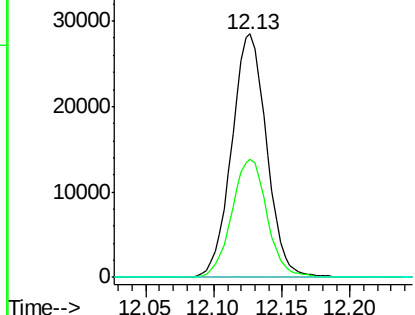
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.1	0.1#

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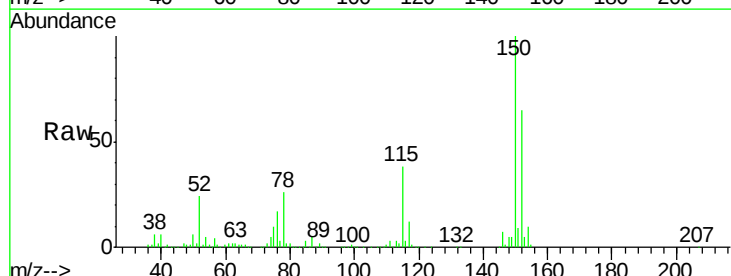


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

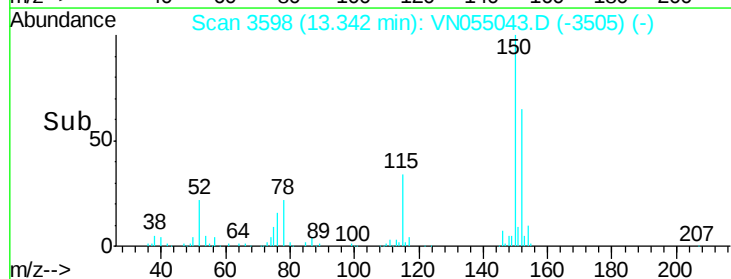
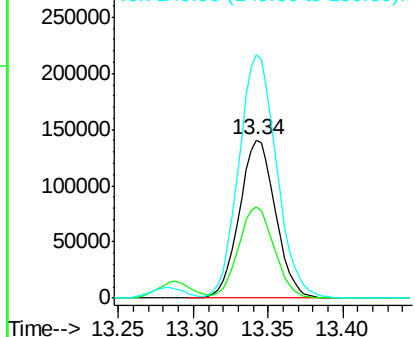


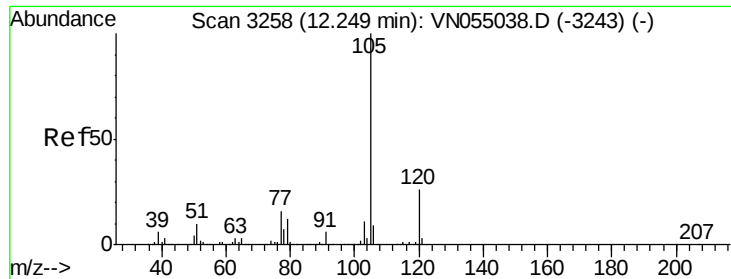
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.5	85.6
150	162.4	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: 19.412 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion:105 Resp: 405843

Ion Ratio Lower Upper

105 100

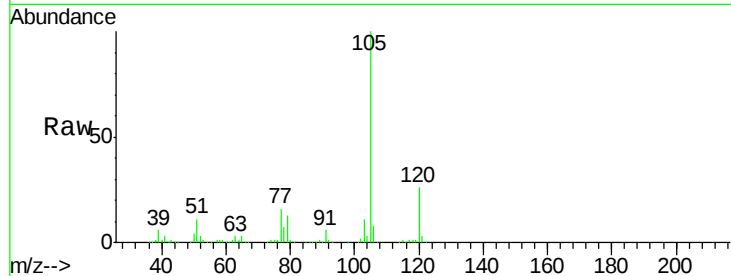
120 26.2 13.3 39.9

Manual Integrations

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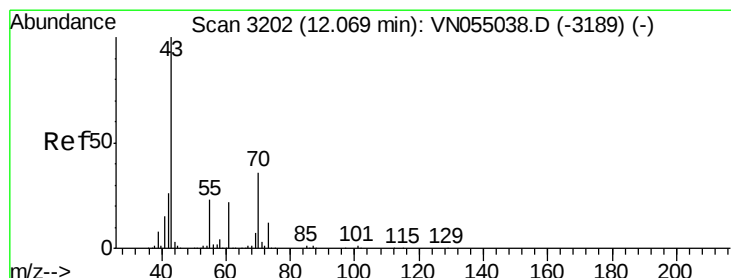
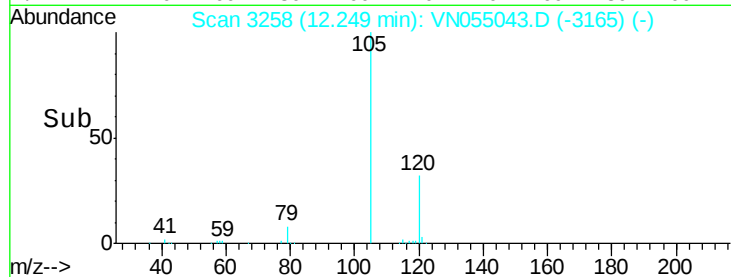
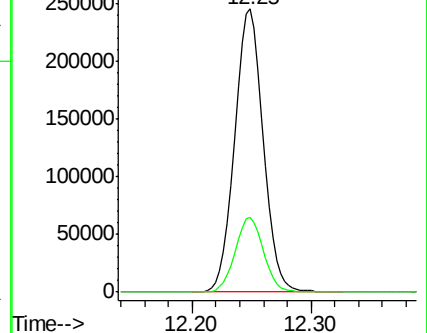
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.758 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion: 43 Resp: 116280

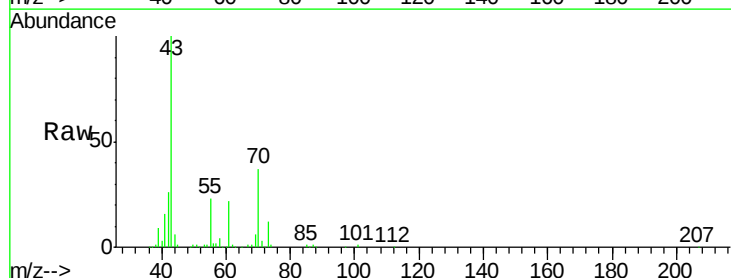
Ion Ratio Lower Upper

43 100

70 37.9 29.4 44.0

55 24.7 19.0 28.4

61 22.4 17.7 26.5

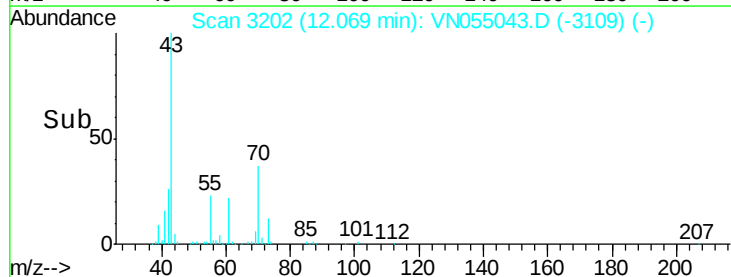
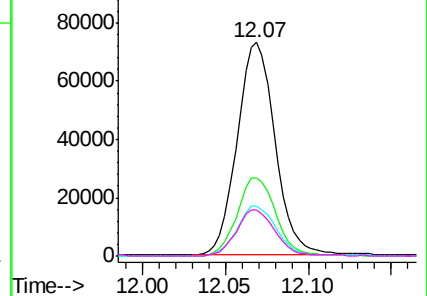


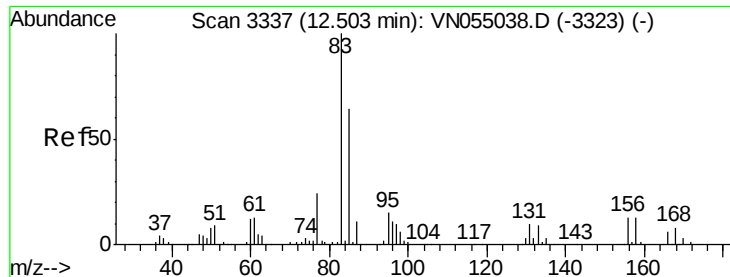
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.765 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

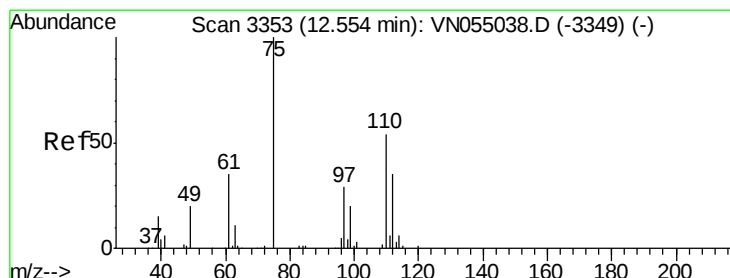
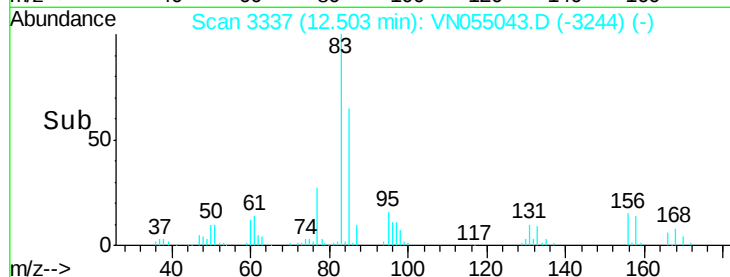
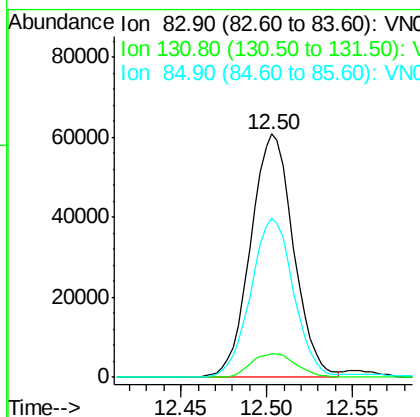
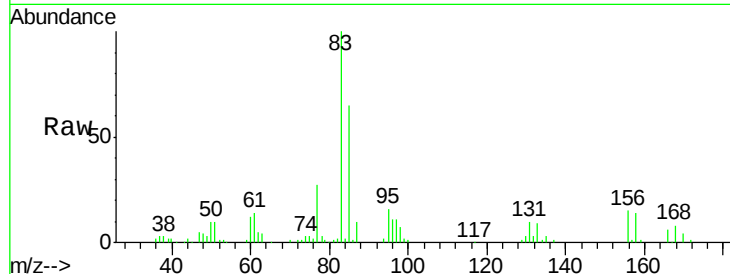
ClientSampleId :

VN0415MBS01

Tot Ion:	83	Resp:	104975
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	65.7	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.812 ug/l m

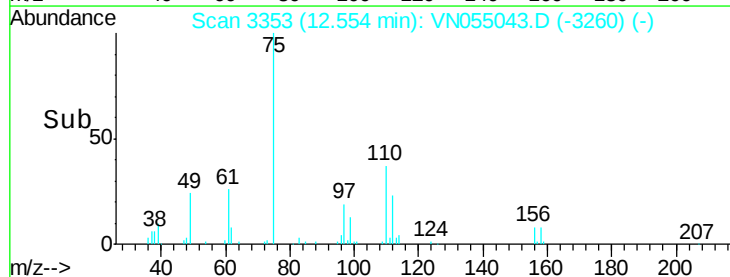
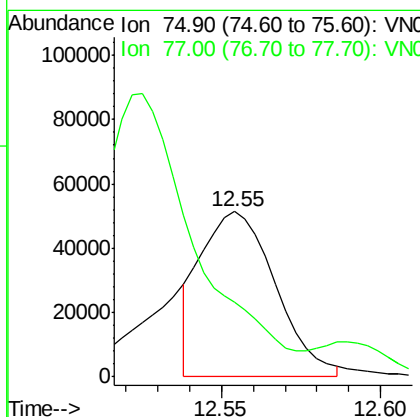
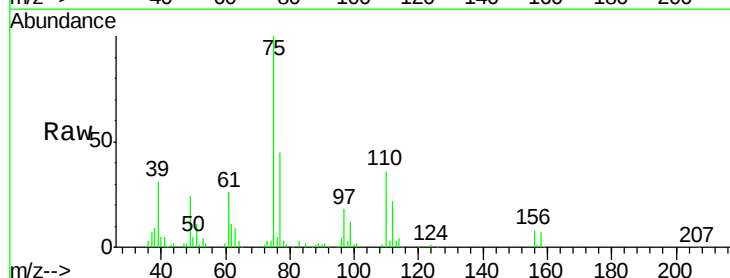
RT: 12.55 min Scan# 3353

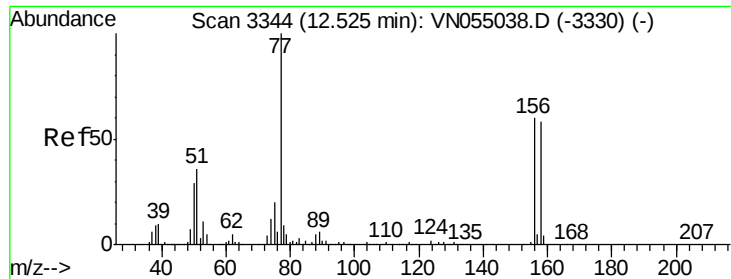
Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	75	Resp:	83938
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.805 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

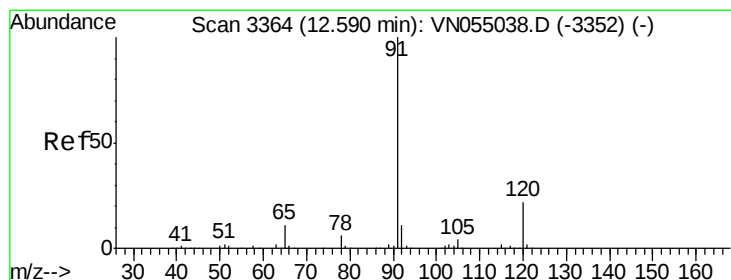
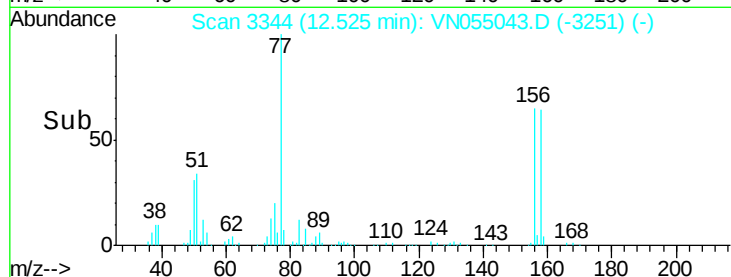
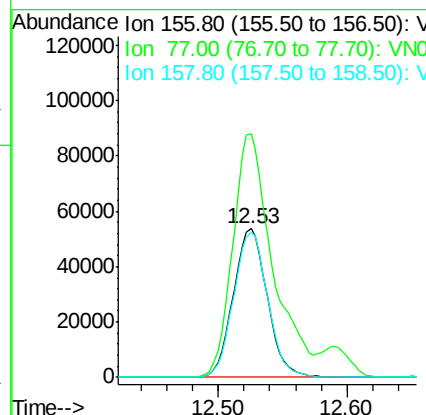
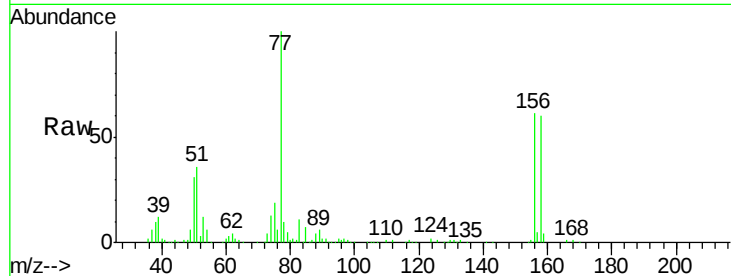
ClientSampleId :

VN0415MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	192.2	97.2	291.5	
158	98.1	48.6	145.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.528 ug/l

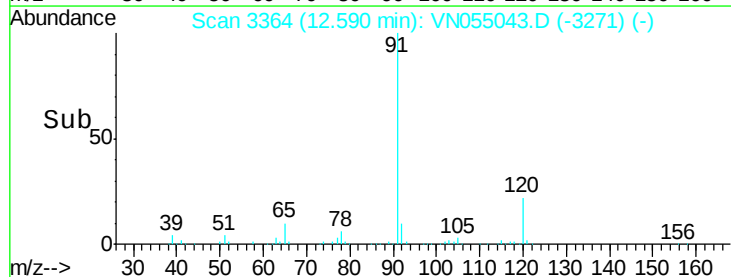
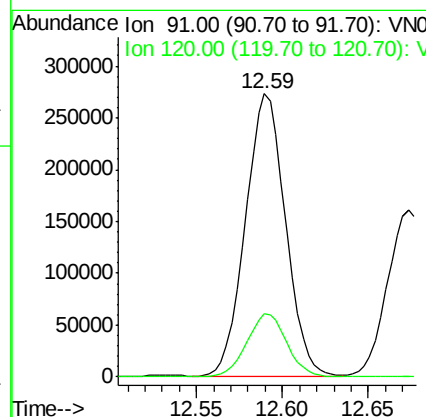
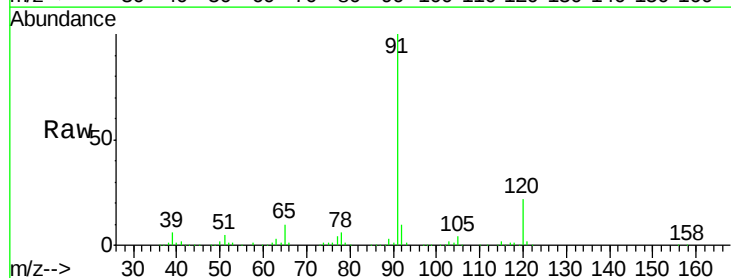
RT: 12.59 min Scan# 3364

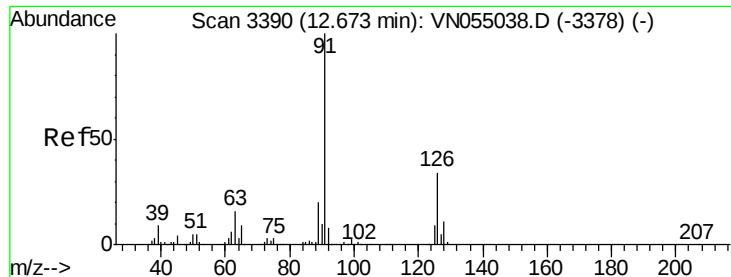
Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.2	33.5	





#79

2-Chlorotoluene

Concen: 19.371 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion: 91 Resp: 272917

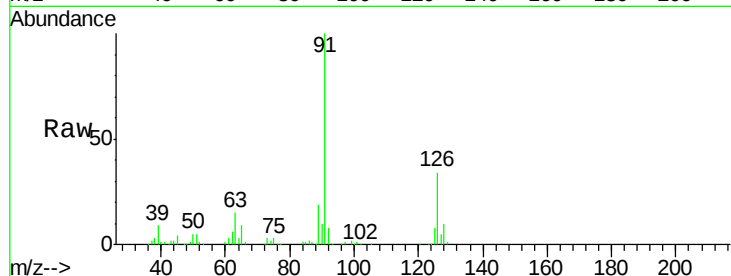
Ion Ratio Lower Upper

91 100

126 34.2 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VN055038.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055038.D (-3378) (-)

200000

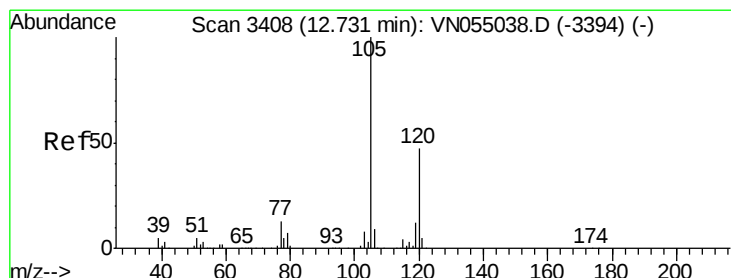
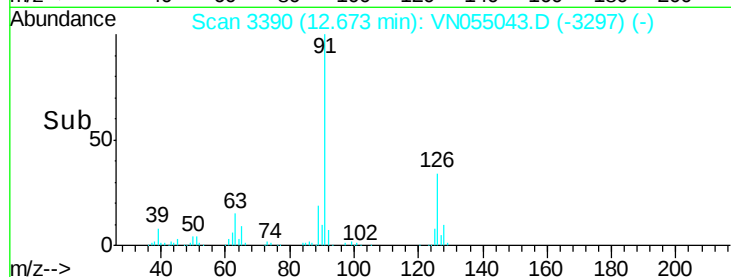
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.435 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055043.D

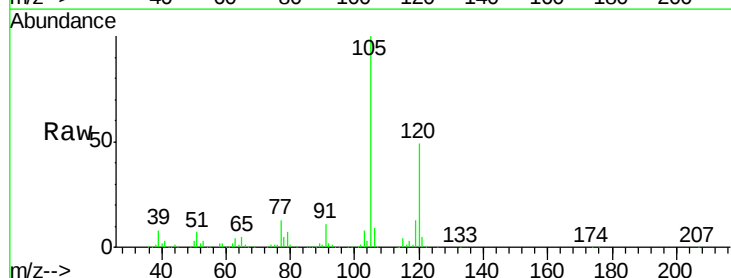
Acq: 15 Apr 2019 14:39

Tgt Ion: 105 Resp: 327902

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055038.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055038.D (-3394) (-)

200000

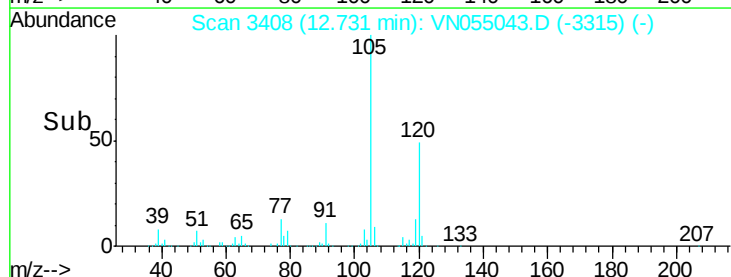
150000

100000

50000

0

Time--> 12.65 12.70 12.75 12.80





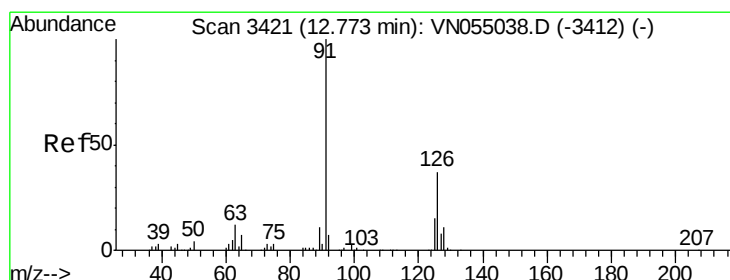
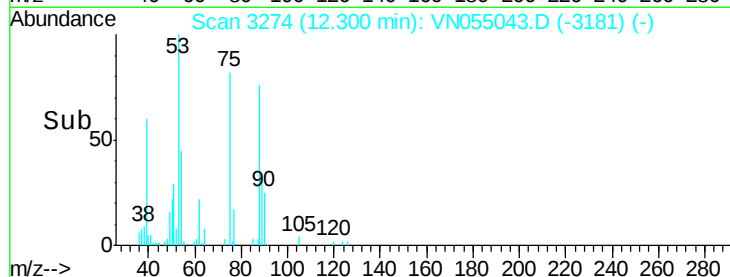
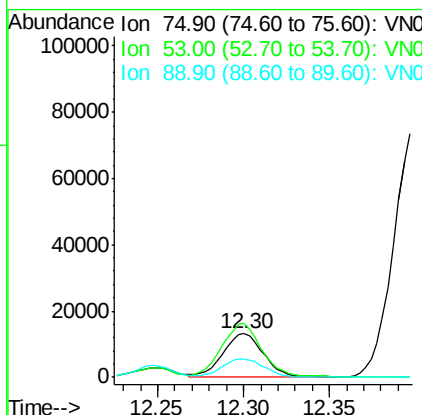
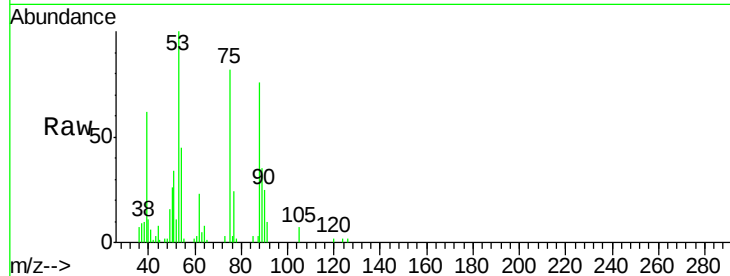
#81
trans-1,4-Dichloro-2-butene
Concen: 20.687 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.8	96.3	144.5
89	44.1	38.6	57.8

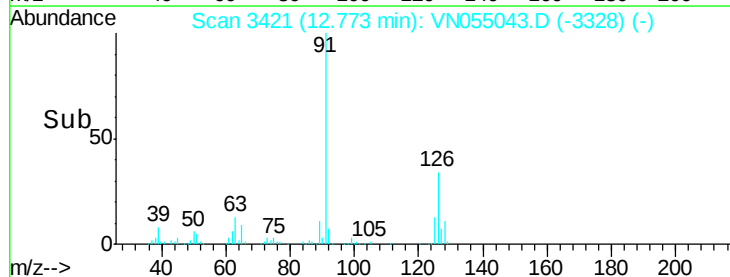
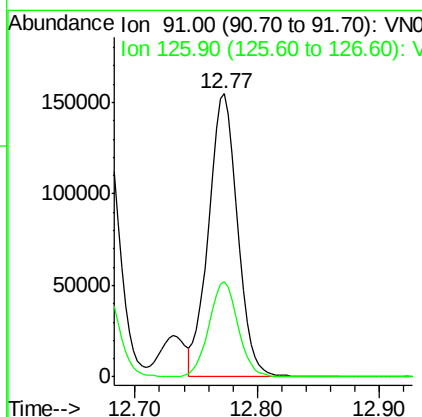
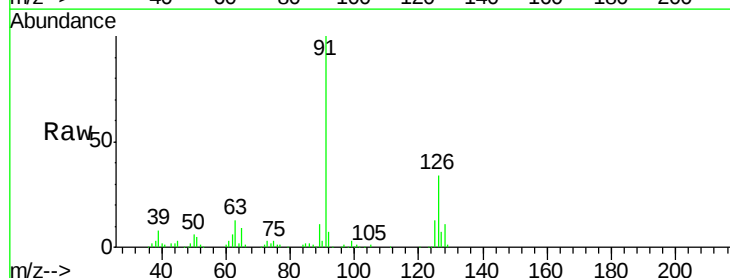
Manual Integrations
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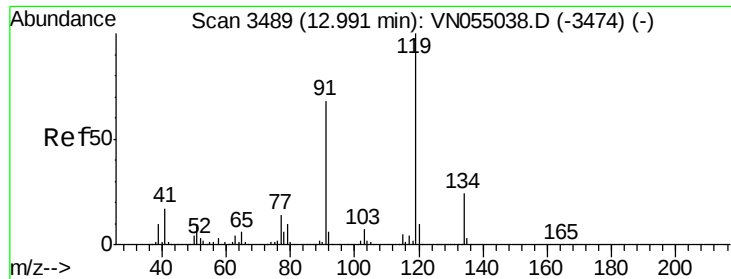
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.534 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.2





#83

tert-Butylbenzene

Concen: 19.595 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

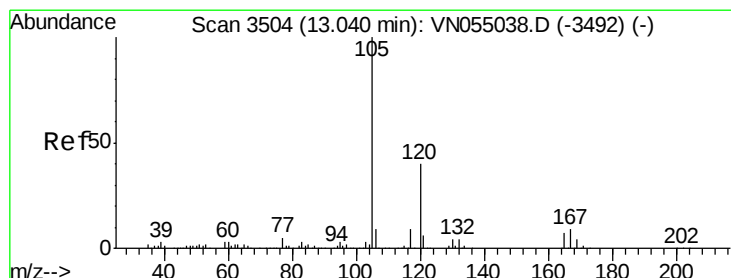
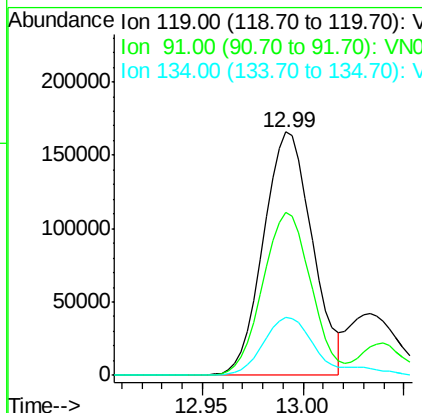
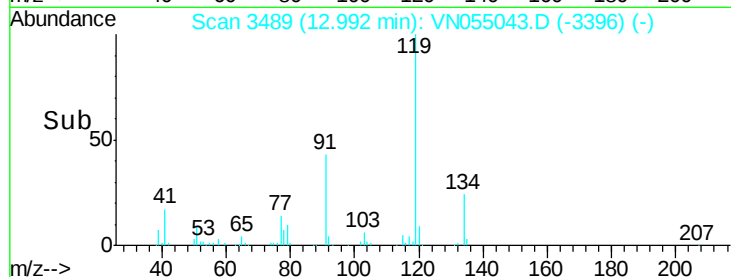
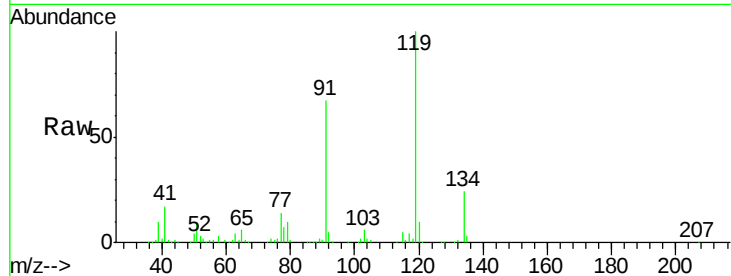
ClientSampleId :

VN0415MBS01

Tot Ion:	119	Resp:	279192
Ion Ratio	Lower	Upper	
119	100		
91	66.4	33.3	99.8
134	26.6	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 20.080 ug/l

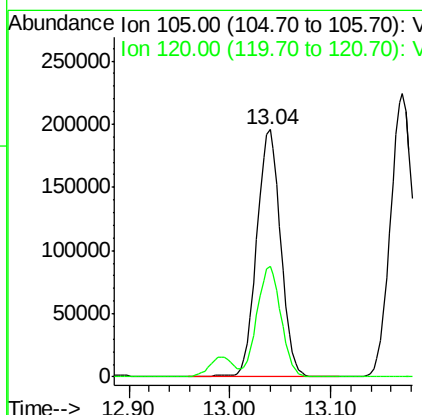
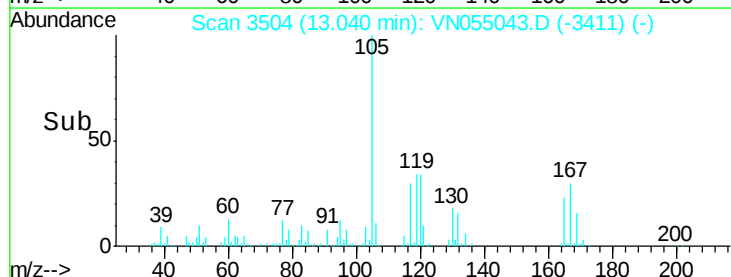
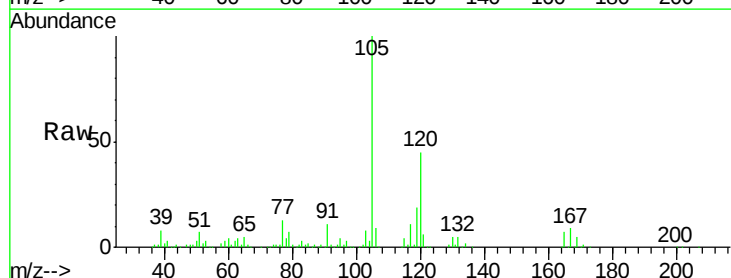
RT: 13.04 min Scan# 3504

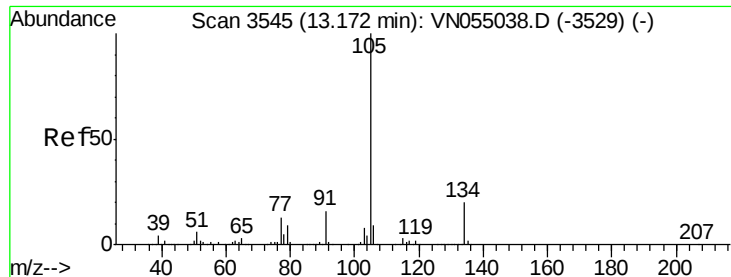
Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	105	Resp:	321062
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 19.880 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion:105 Resp: 360940

Ion Ratio Lower Upper

105 100

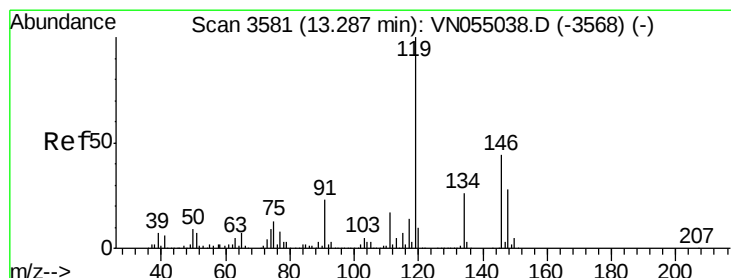
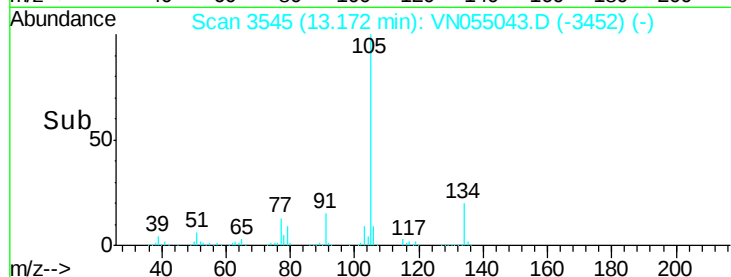
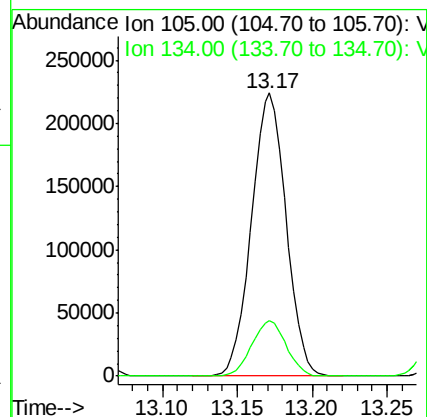
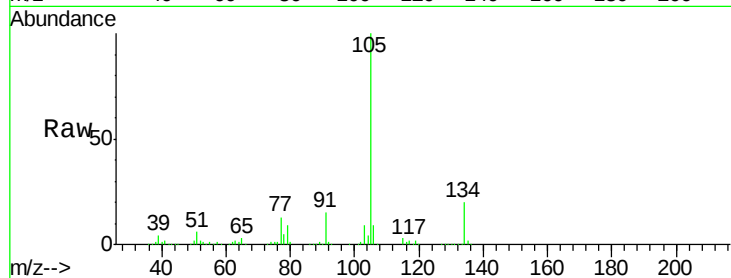
134 19.4 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.794 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

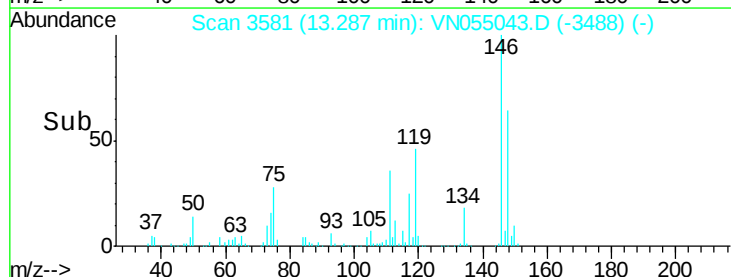
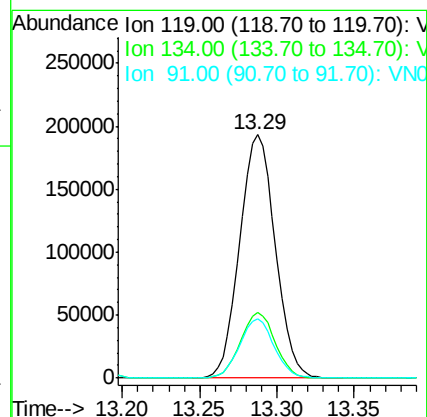
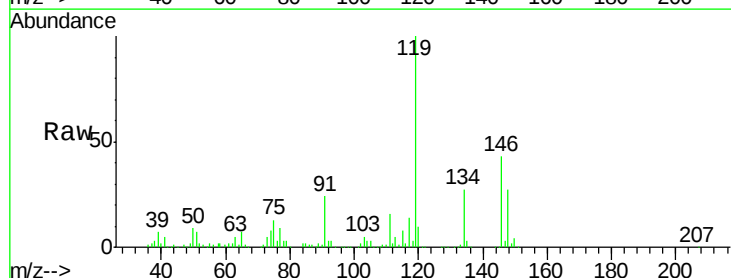
Tgt Ion:119 Resp: 308322

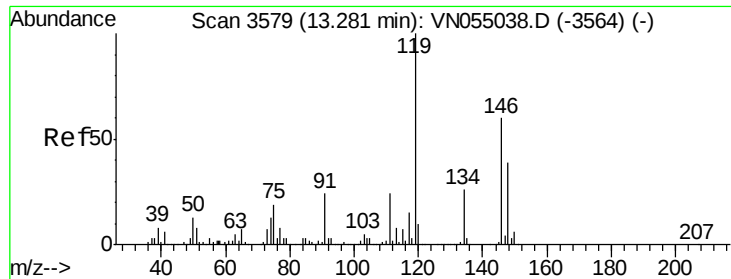
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.9 11.7 35.1





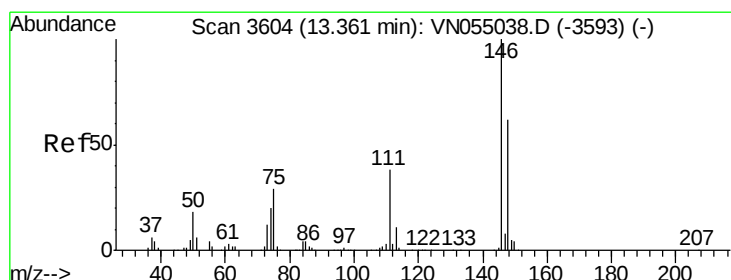
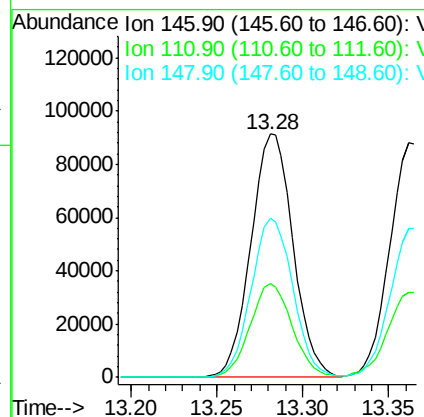
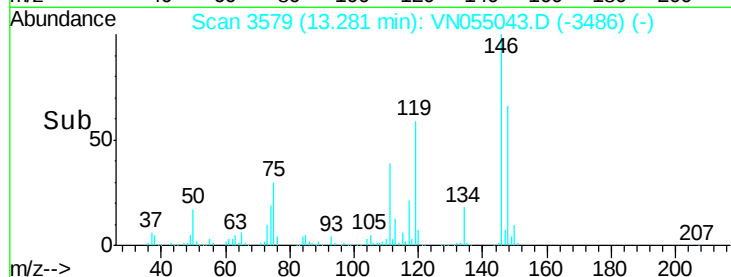
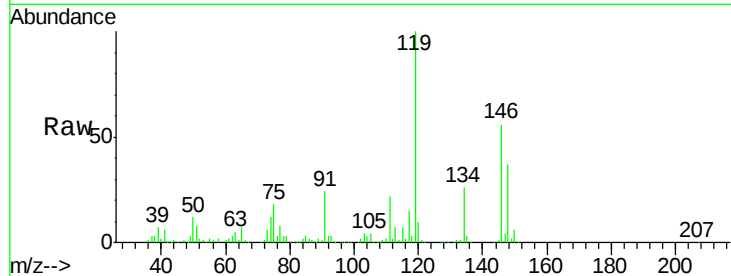
#87
 1,3-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	65.0	31.6	94.7

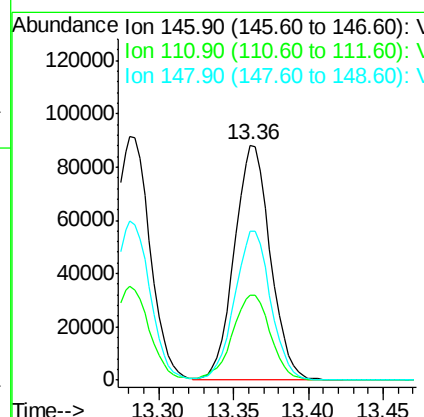
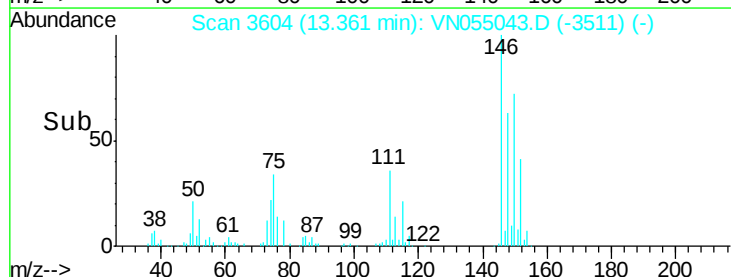
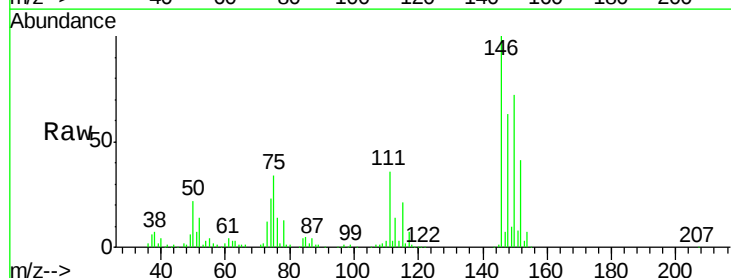
Manual Integrations
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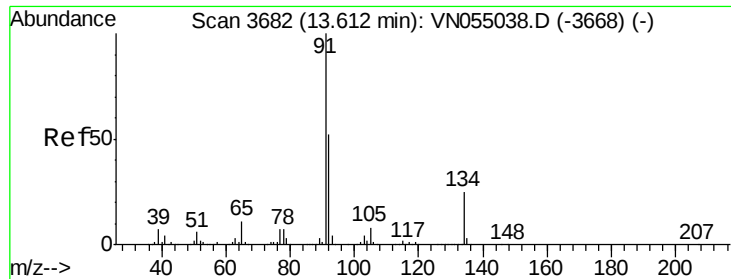
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#88
 1,4-Dichlorobenzene
 Concen: 19.584 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	63.5	32.4	97.2





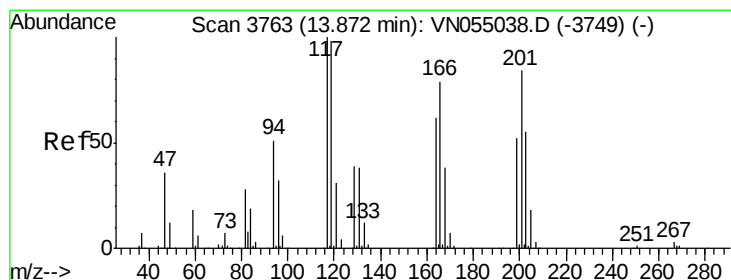
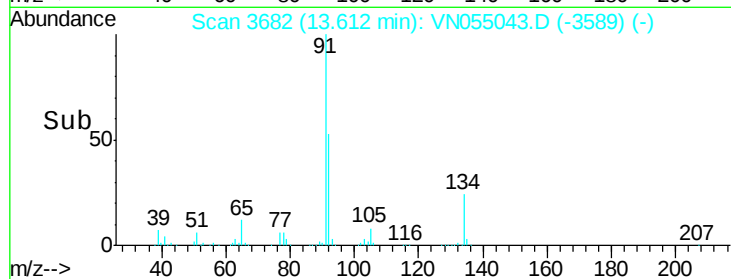
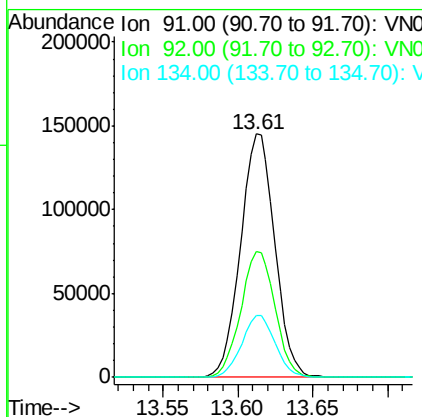
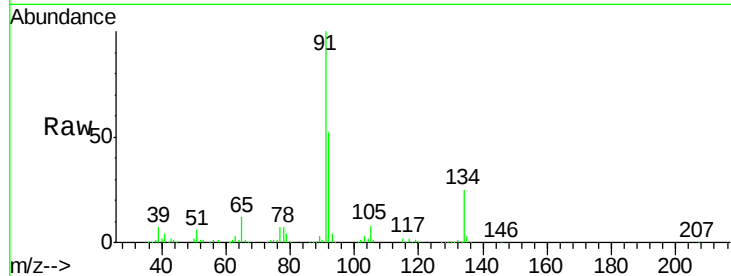
#89
n-Butylbenzene
Concen: 20.024 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	24.9	12.8	38.3

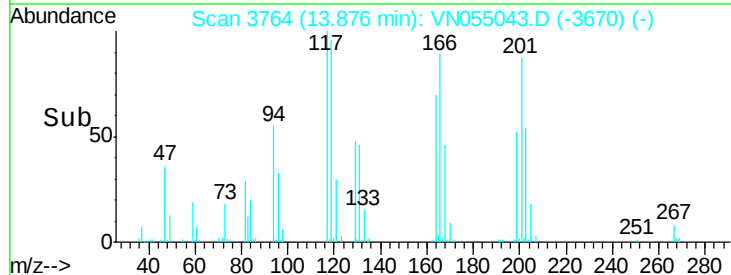
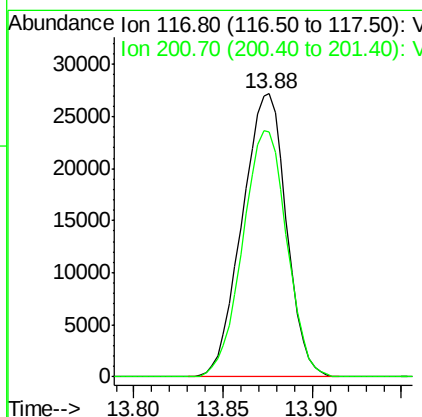
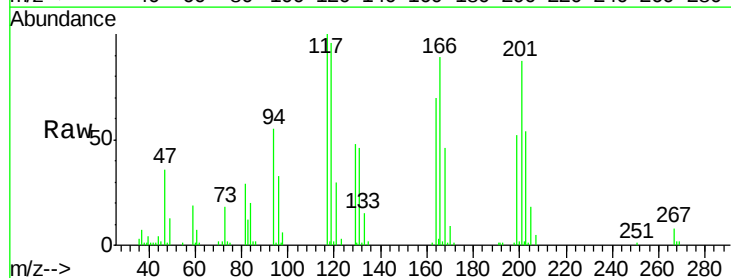
Manual Integrations
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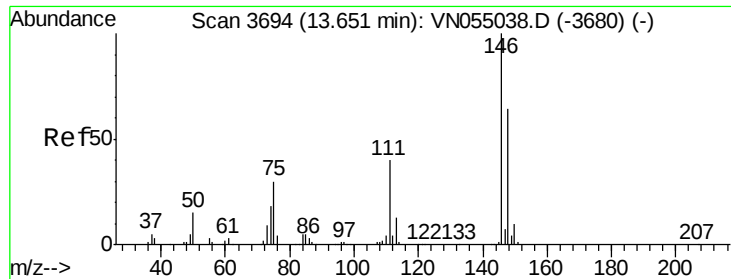
MMDadoda
4/17/2019 1:49:23 PM



#90
Hexachloroethane
Concen: 18.521 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.4	130.2





#91

1,2-Dichlorobenzene

Concen: 19.163 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

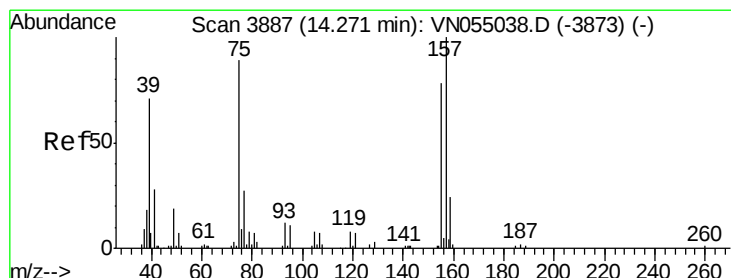
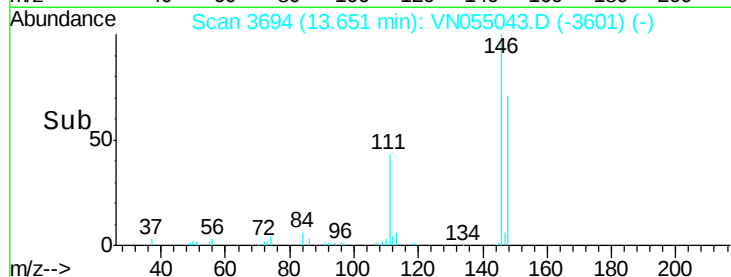
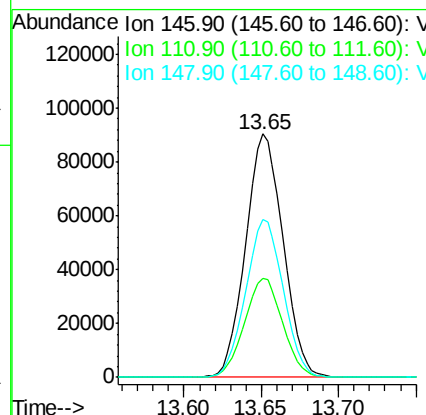
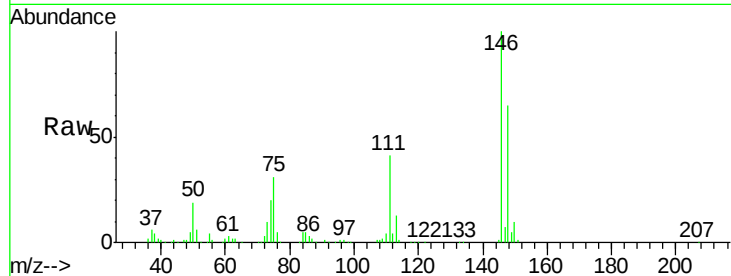
ClientSampleId :

VN0415MBS01

Tot Ion:	146	Resp:	152748
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.3	60.9
148	64.8	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.027 ug/l

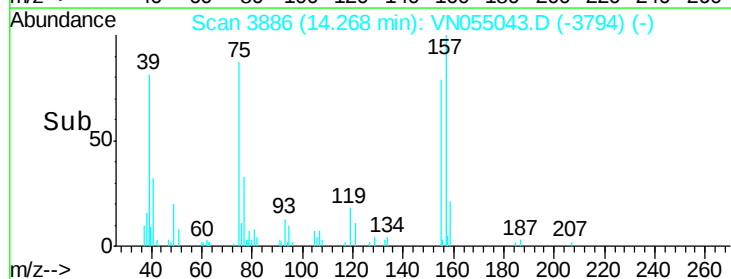
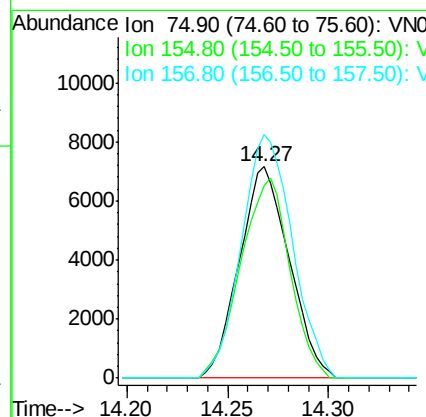
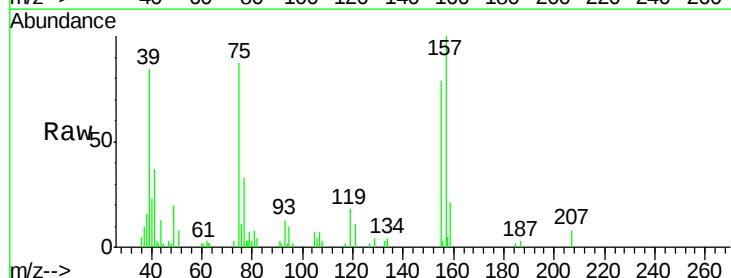
RT: 14.27 min Scan# 3886

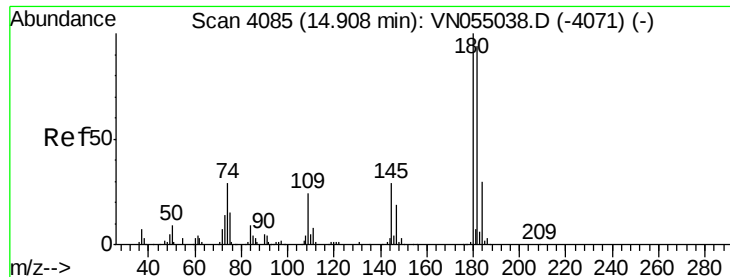
Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion:	75	Resp:	12418
Ion Ratio	Lower	Upper	
75	100		
155	93.1	42.0	126.0
157	117.4	52.1	156.4





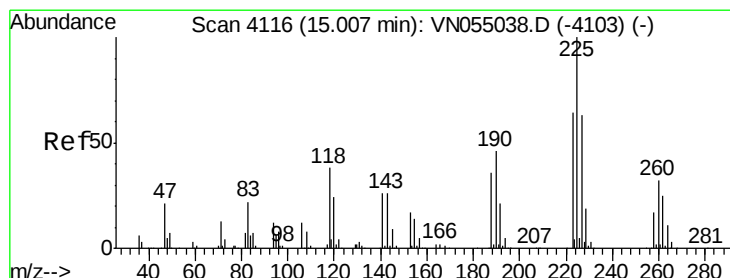
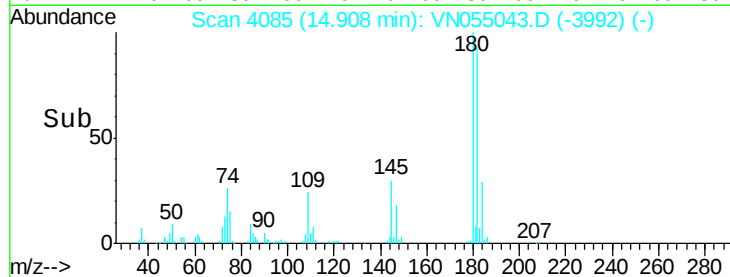
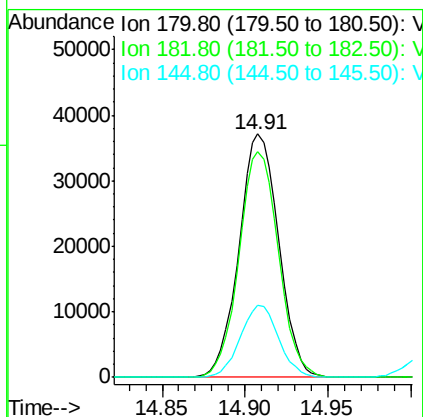
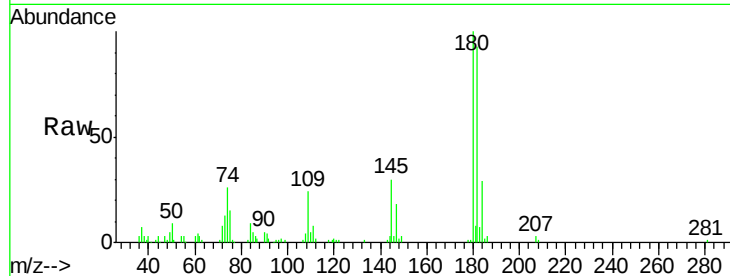
#93
 1,2,4-Trichlorobenzene
 Concen: 18.864 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.5	142.6
145	28.5	14.2	42.8

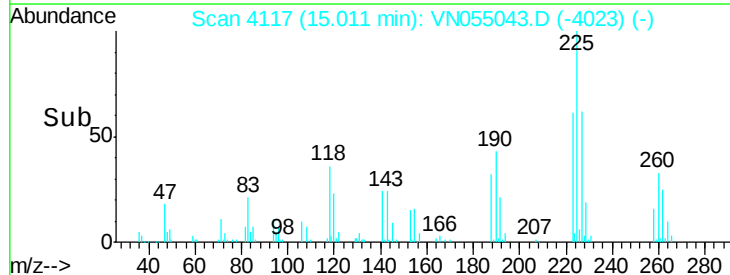
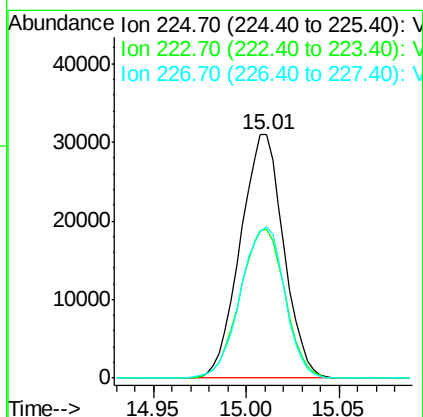
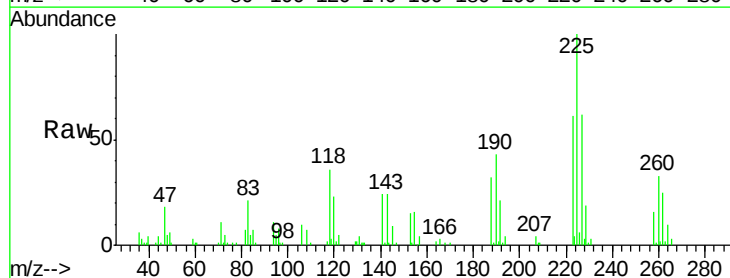
Manual Integrations
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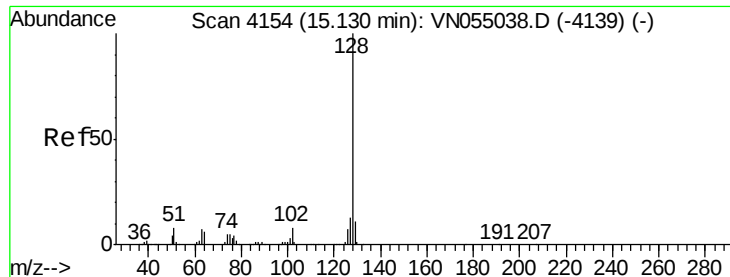
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#94
 Hexachlorobutadiene
 Concen: 20.479 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.0
227	63.3	32.6	97.7





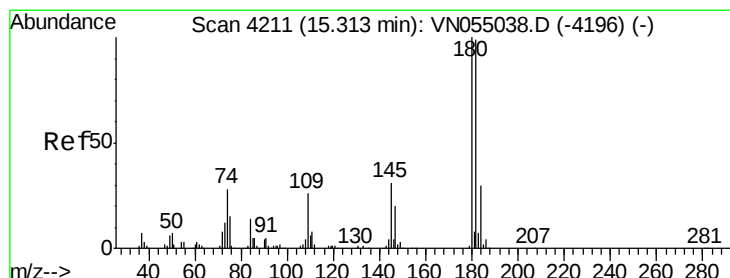
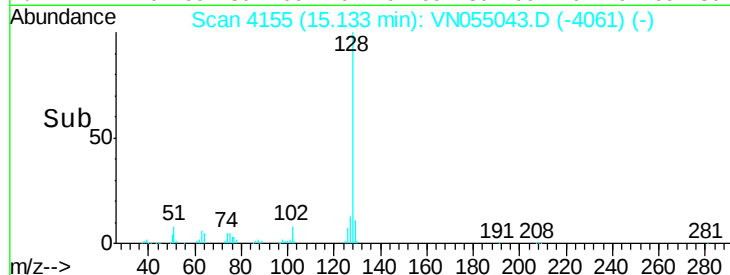
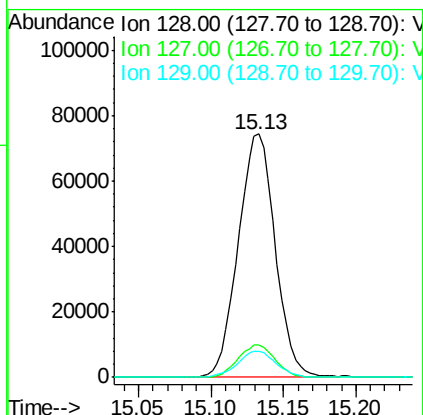
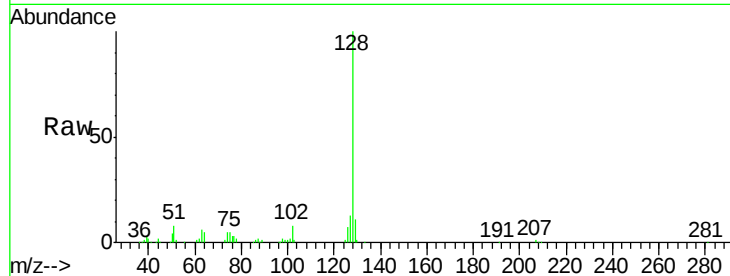
#95
Naphthalene
Concen: 17.722 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	11.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.621 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.0	144.0
145	30.6	15.3	45.9

