

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063747.D
 Acq On : 30 Sep 2020 14:15
 Operator : JC/MD
 Sample : VN0930WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Quant Time: Oct 01 02:13:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	253441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	424381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	397322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188664	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	216172	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.55	113	147898	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.06	98	546163	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.38	95	204840	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	50244	18.788	ug/l	96
3) Chloromethane	2.04	50	58658	18.694	ug/l	97
4) Vinyl Chloride	2.16	62	58308	18.512	ug/l	99
5) Bromomethane	2.53	94	38999	19.685	ug/l	98
6) Chloroethane	2.67	64	35736	18.987	ug/l	94
7) Trichlorofluoromethane	2.99	101	95952	19.208	ug/l	100
8) Diethyl Ether	3.38	74	33825	20.021	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51769	19.389	ug/l	98
10) Methyl Iodide	3.91	142	56670	18.280	ug/l	98
11) Tert butyl alcohol	4.73	59	48967	105.929	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48028	18.819	ug/l	98
13) Acrolein	3.57	56	29483	103.920	ug/l	97
14) Allyl chloride	4.28	41	91370	19.271	ug/l	98
15) Acrylonitrile	4.93	53	130098	98.321	ug/l	98
16) Acetone	3.78	43	124631	96.696	ug/l	94
17) Carbon Disulfide	4.01	76	130979	19.423	ug/l	97
18) Methyl Acetate	4.28	43	65586	19.598	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	181868	19.615	ug/l	100
20) Methylene Chloride	4.51	84	60709	20.622	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	54771	19.160	ug/l	93
22) Diisopropyl ether	5.90	45	195834	20.075	ug/l	98
23) Vinyl Acetate	5.85	43	805491	99.682	ug/l	100
24) 1,1-Dichloroethane	5.80	63	106223	19.044	ug/l	98
25) 2-Butanone	6.78	43	188528	103.171	ug/l	98
26) 2,2-Dichloropropane	6.78	77	96323	18.858	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	63189	19.220	ug/l	98
28) Bromochloromethane	7.15	49	53221	19.306	ug/l	100
29) Tetrahydrofuran	7.17	42	125184	102.142	ug/l	99
30) Chloroform	7.33	83	113567	19.528	ug/l	97
31) Cyclohexane	7.61	56	95217	19.588	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	102295	19.501	ug/l	99
36) 1,1-Dichloropropene	7.76	75	80437	18.709	ug/l	100
37) Ethyl Acetate	6.88	43	80059	18.743	ug/l	99
38) Carbon Tetrachloride	7.73	117	87974	18.248	ug/l	95

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Quant Time: Oct 01 02:13:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80983	18.888	ug/l	98
40) Benzene	8.00	78	234047	19.059	ug/l	99
41) Methacrylonitrile	7.13	41	37415	19.708	ug/l	92
42) 1,2-Dichloroethane	8.09	62	98050	18.705	ug/l	98
43) Isopropyl Acetate	8.13	43	140511	19.943	ug/l	99
44) Trichloroethene	8.80	130	59317	18.435	ug/l	98
45) 1,2-Dichloropropane	9.09	63	64298	19.387	ug/l	98
46) Dibromomethane	9.18	93	43864	19.172	ug/l	98
47) Bromodichloromethane	9.37	83	89525	18.987	ug/l	96
48) Methyl methacrylate	9.17	41	68225	19.599	ug/l	98
49) 1,4-Dioxane	9.17	88	19006	384.171	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	415818	100.567	ug/l	100
52) Toluene	10.13	92	146085	19.233	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	97624	19.315	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	102592	19.408	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	59022	19.376	ug/l	97
56) Ethyl methacrylate	10.40	69	83939	19.440	ug/l	100
57) 1,3-Dichloropropane	10.68	76	101087	19.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	239137	103.539	ug/l	99
59) 2-Hexanone	10.72	43	305544	99.476	ug/l	100
60) Dibromochloromethane	10.87	129	65051	18.337	ug/l	100
61) 1,2-Dibromoethane	10.98	107	62689	20.119	ug/l	100
64) Tetrachloroethene	10.60	164	56329	18.325	ug/l	95
65) Chlorobenzene	11.41	112	157658	19.344	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	59245	18.961	ug/l	99
67) Ethyl Benzene	11.49	91	283254	19.099	ug/l	98
68) m/p-Xylenes	11.59	106	208956	37.804	ug/l	98
69) o-Xylene	11.92	106	99455	19.251	ug/l	99
70) Styrene	11.94	104	167979	19.155	ug/l	100
71) Bromoform	12.10	173	43487	18.197	ug/l #	99
73) Isopropylbenzene	12.23	105	275864	20.047	ug/l	99
74) N-amyl acetate	12.05	43	118169	19.873	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	84110	19.988	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	117786	28.321	ug/l #	100
77) Bromobenzene	12.50	156	66048	19.560	ug/l	99
78) n-propylbenzene	12.57	91	309283	19.312	ug/l	99
79) 2-Chlorotoluene	12.65	91	191736	19.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	229768	19.902	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27534	19.068	ug/l	92
82) 4-Chlorotoluene	12.75	91	200475	19.607	ug/l	100
83) tert-Butylbenzene	12.97	119	184157	19.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	224151	19.447	ug/l	98
85) sec-Butylbenzene	13.15	105	243029	19.594	ug/l	100
86) p-Isopropyltoluene	13.26	119	216580	19.738	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	113990	18.660	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	119826	18.839	ug/l	99
89) n-Butylbenzene	13.59	91	190726	18.833	ug/l	98
90) Hexachloroethane	13.85	117	38790	18.243	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	115843	19.146	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18943	19.195	ug/l	98

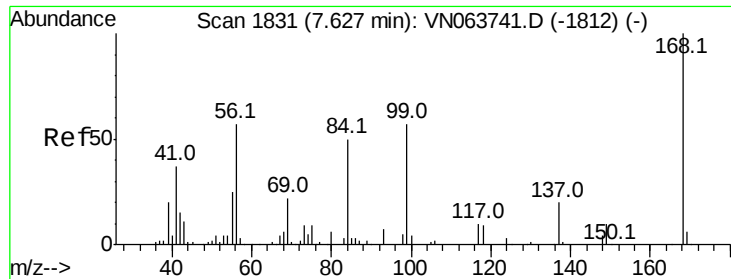
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	58705	18.960	ug/l	99
94) Hexachlorobutadiene	14.98	225	31377	19.167	ug/l	98
95) Naphthalene	15.10	128	183927	19.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	56545	18.732	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

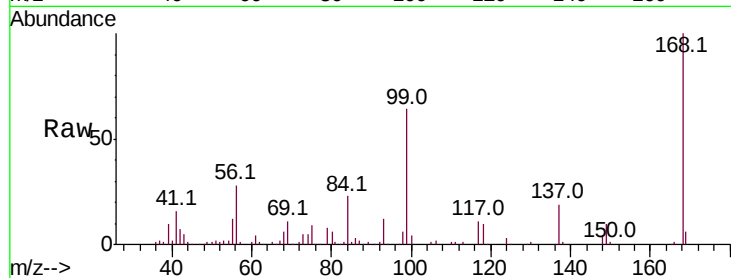
VN0930WBS01

Tot Ion:168 Resp: 253441

Ion Ratio Lower Upper

168 100

99 63.1 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

60000

40000

20000

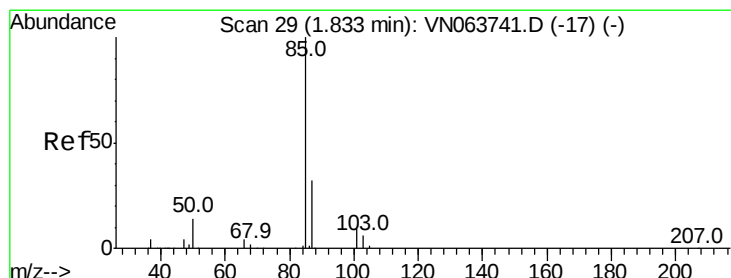
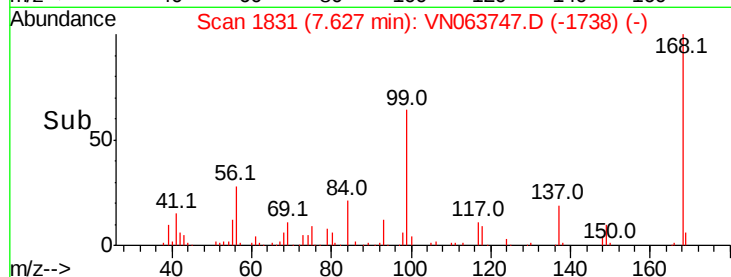
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Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 18.788 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063747.D

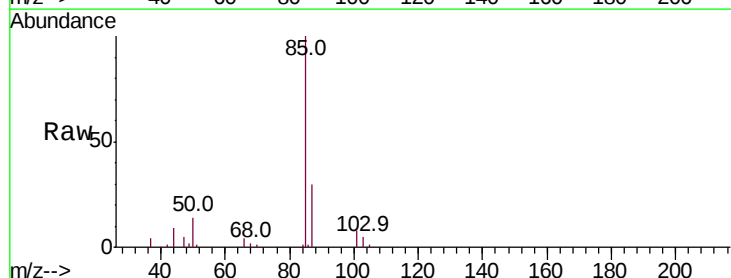
Acq: 30 Sep 2020 14:15

Tgt Ion: 85 Resp: 50244

Ion Ratio Lower Upper

85 100

87 30.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

20000

10000

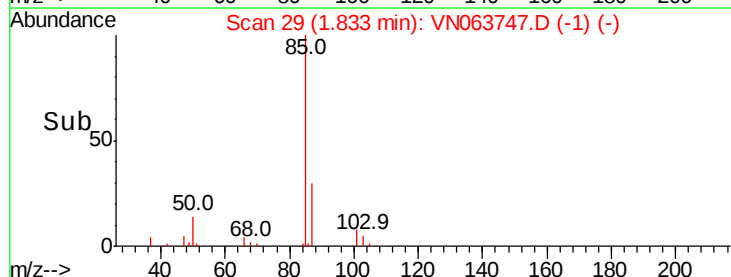
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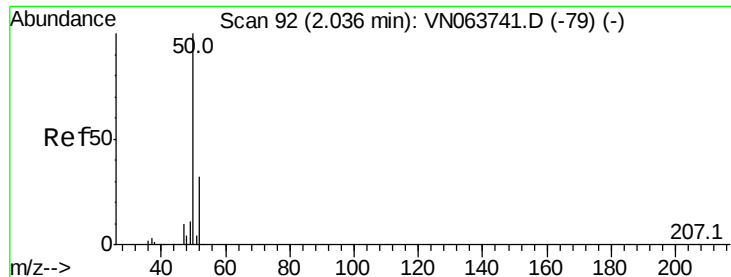
Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 18.694 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

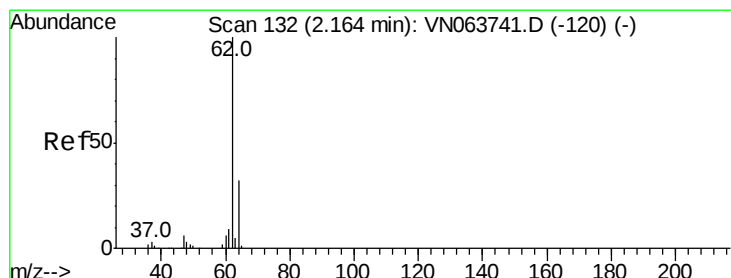
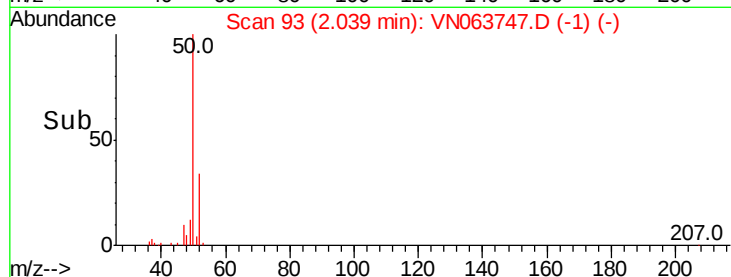
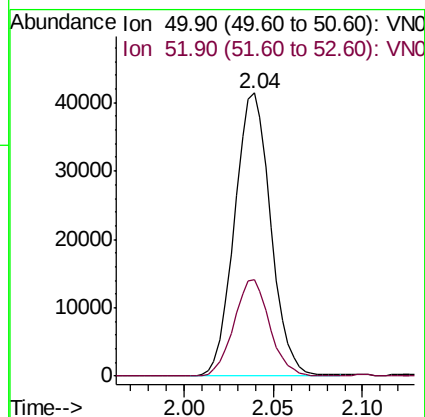
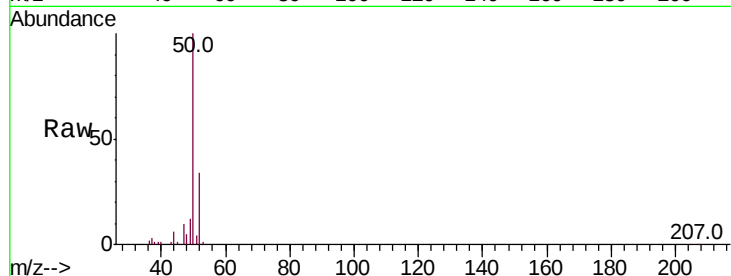
VN0930WBS01

Tot Ion: 50 Resp: 58658

Ion Ratio Lower Upper

50 100

52 34.0 25.8 38.8



#4

Vinyl Chloride

Concen: 18.512 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063747.D

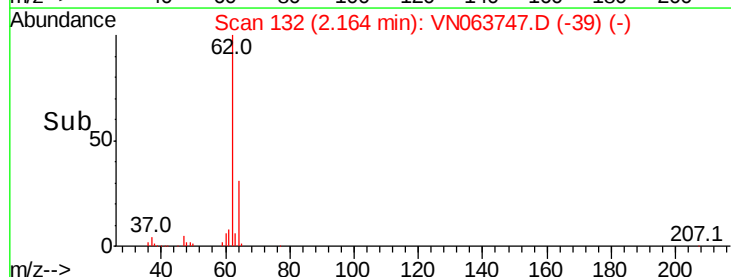
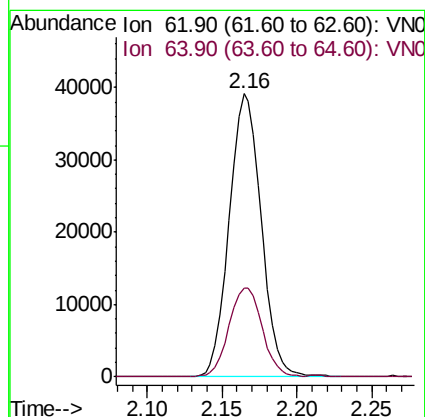
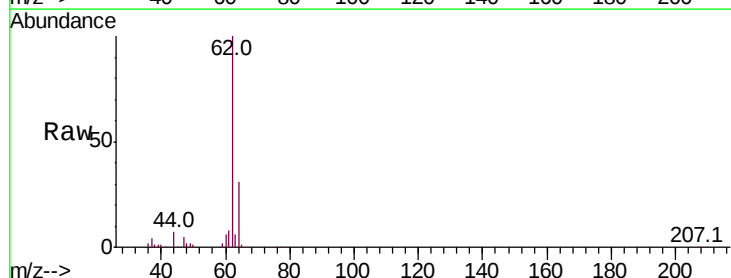
Acq: 30 Sep 2020 14:15

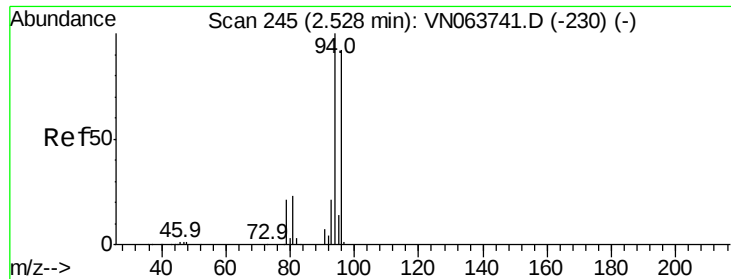
Tgt Ion: 62 Resp: 58308

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 19.685 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

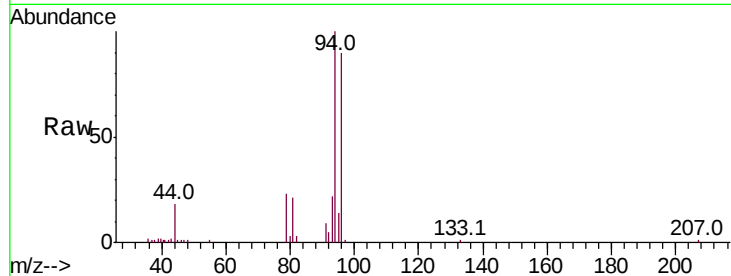
VN0930WBS01

Tot Ion: 94 Resp: 38999

Ion Ratio Lower Upper

94 100

96 90.0 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

20000

15000

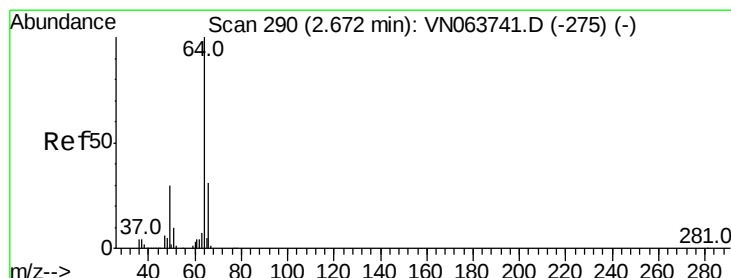
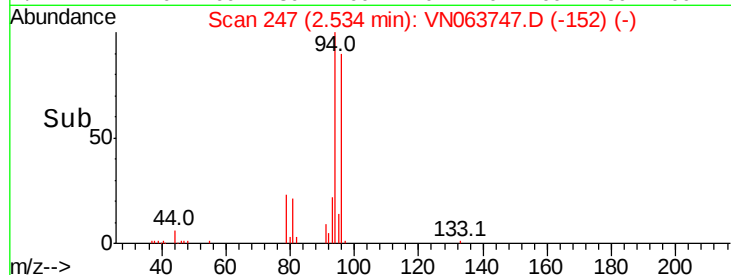
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 18.987 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063747.D

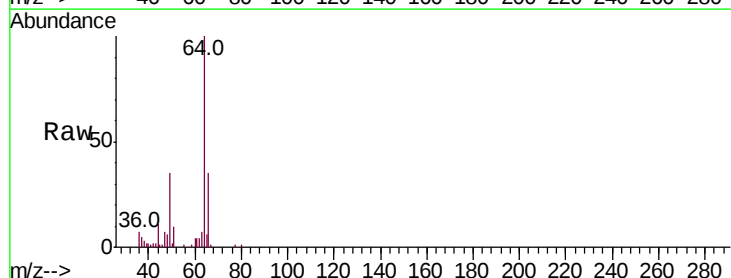
Acq: 30 Sep 2020 14:15

Tgt Ion: 64 Resp: 35736

Ion Ratio Lower Upper

64 100

66 35.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

20000

15000

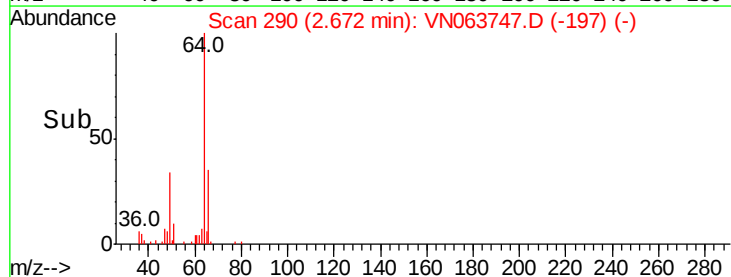
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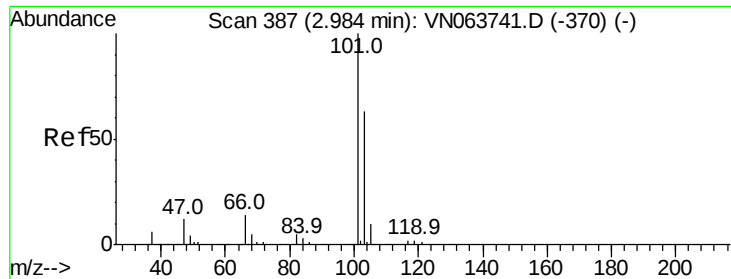
5000

0

Time-->

2.60 2.65 2.70 2.75



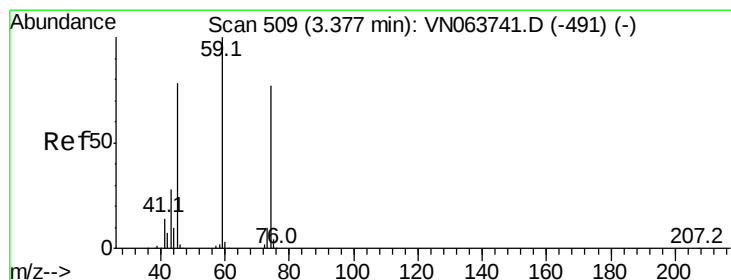
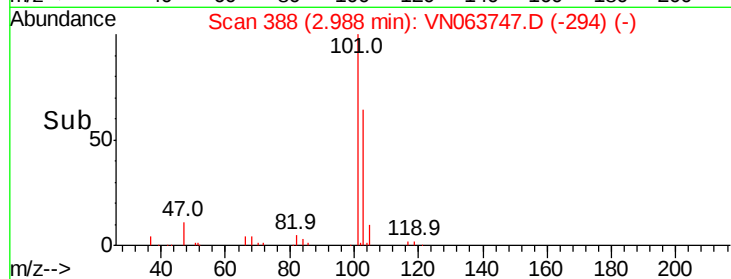
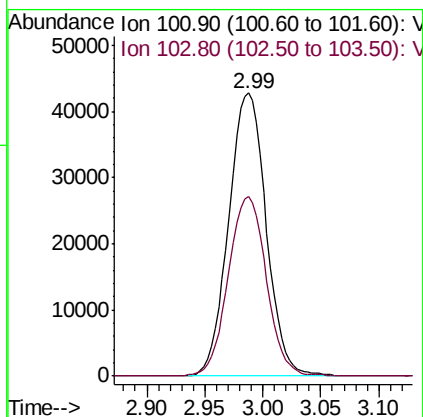
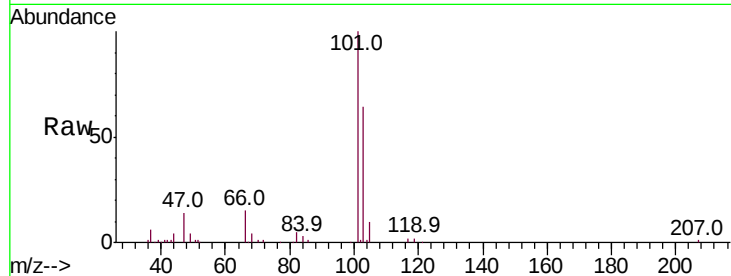


#7

Trichlorofluoromethane
 Concen: 19.208 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

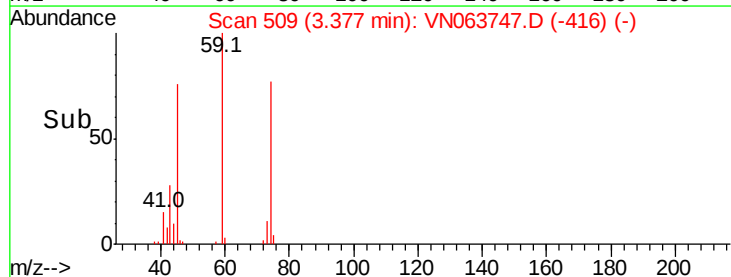
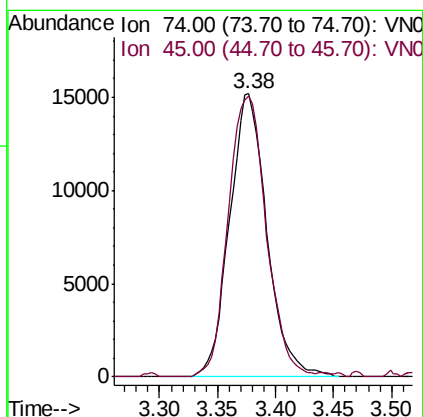
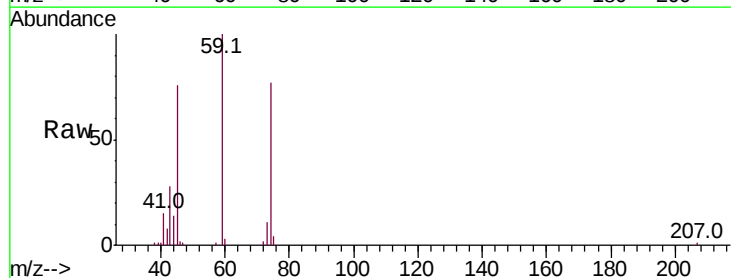
Tot Ion:101 Resp: 95952
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.7 76.1

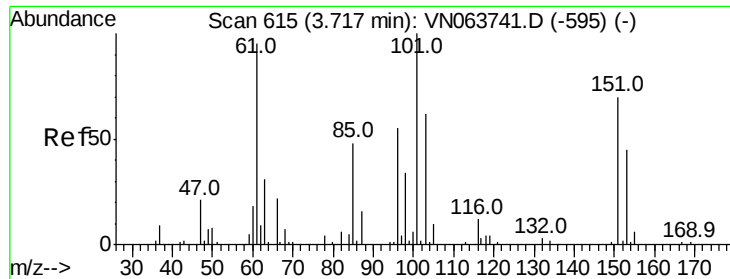


#8

Diethyl Ether
 Concen: 20.021 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion: 74 Resp: 33825
 Ion Ratio Lower Upper
 74 100
 45 101.3 50.9 152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.389 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

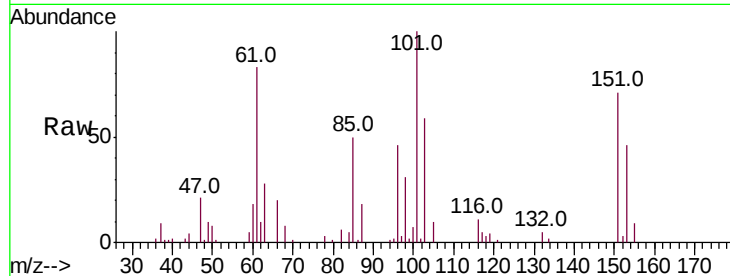
Tot Ion:101 Resp: 51769

Ion Ratio Lower Upper

101 100

85 46.1 38.6 58.0

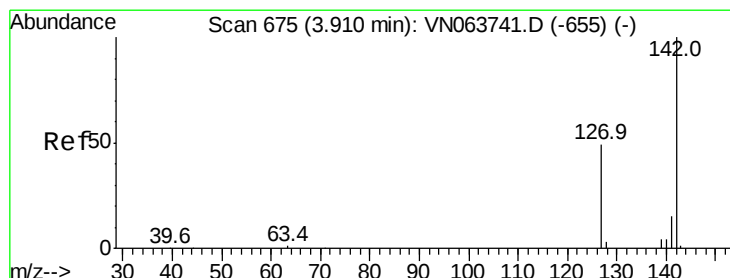
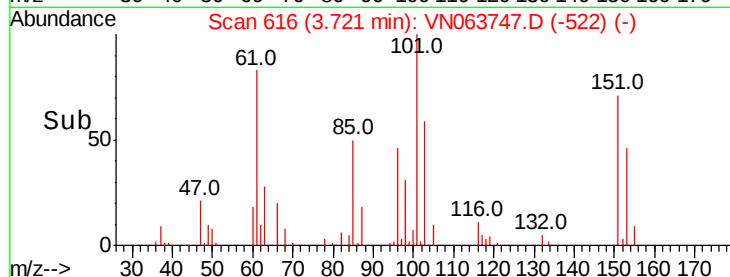
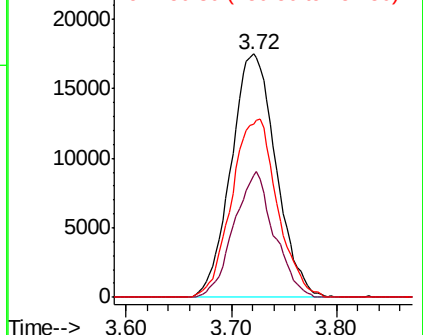
151 74.5 58.7 88.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.280 ug/l

RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

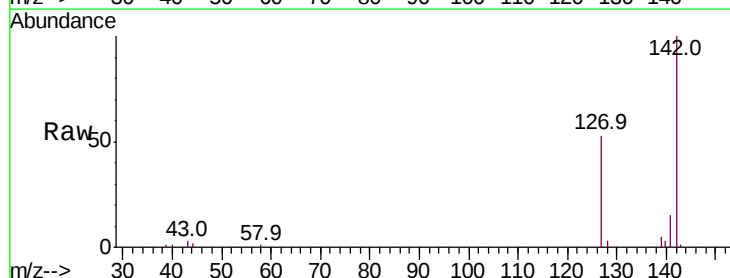
Tgt Ion:142 Resp: 56670

Ion Ratio Lower Upper

142 100

127 52.0 40.5 60.7

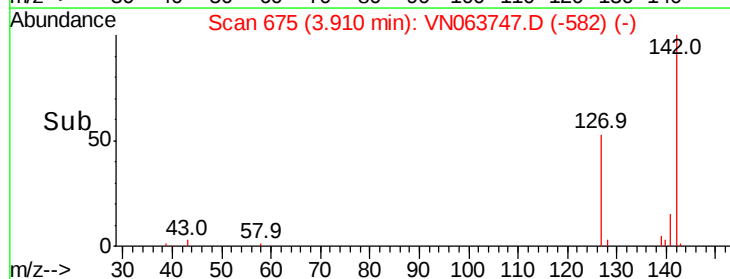
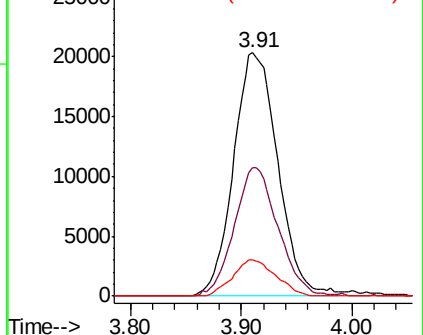
141 14.4 11.7 17.5

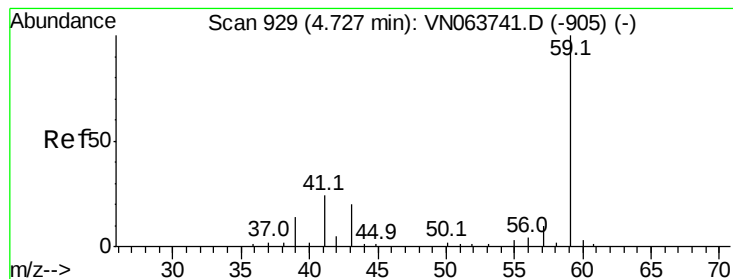


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



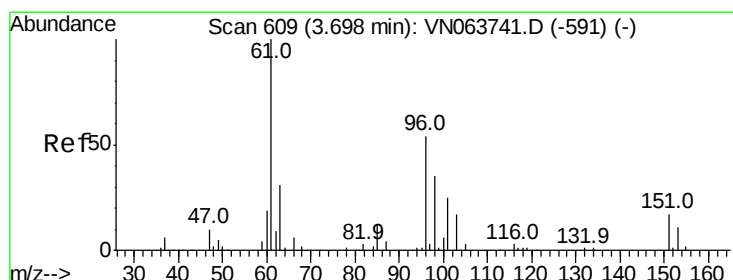
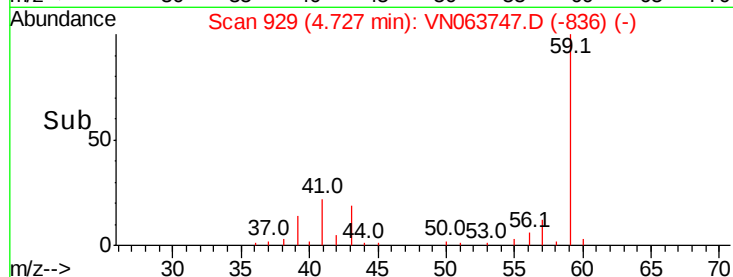
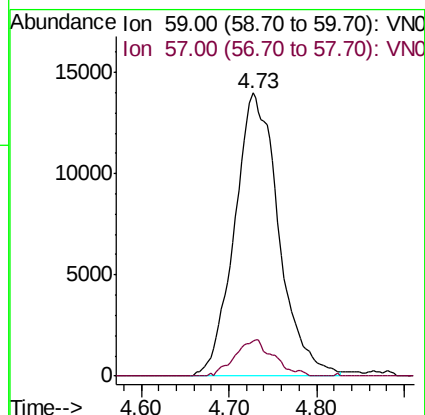
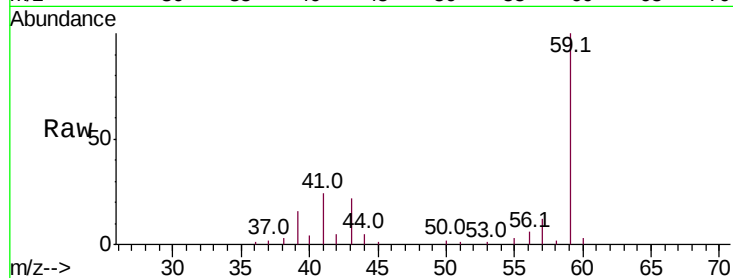


#11

Tert butyl alcohol
 Concen: 105.929 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

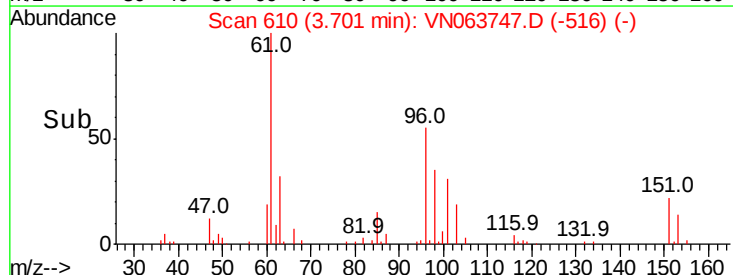
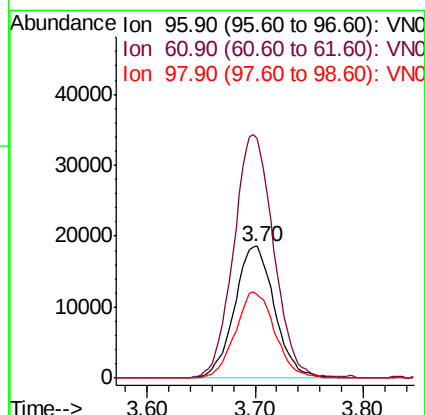
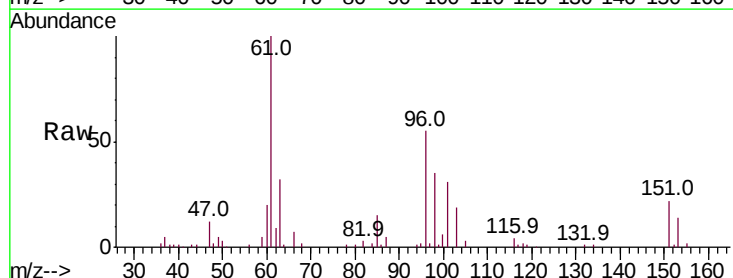
Tot Ion: 59 Resp: 48967
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.7 13.1

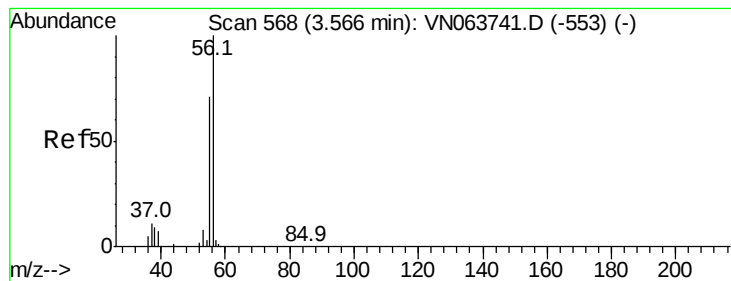


#12

1,1-Dichloroethene
 Concen: 18.819 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion: 96 Resp: 48028
 Ion Ratio Lower Upper
 96 100
 61 181.7 147.7 221.5
 98 63.9 51.9 77.9





#13

Acrolein

Concen: 103.920 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

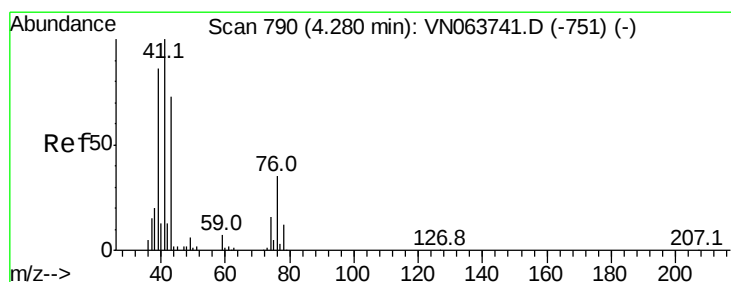
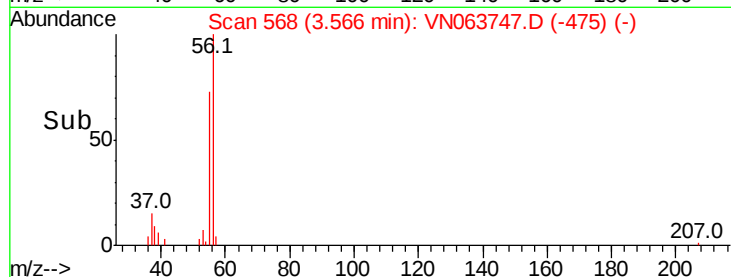
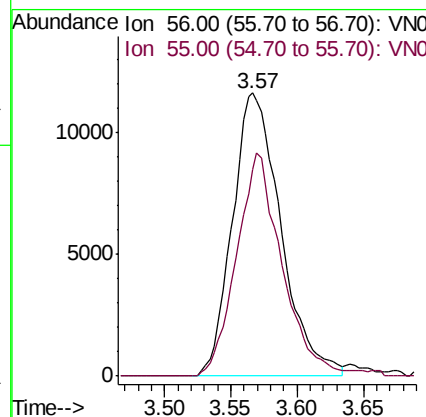
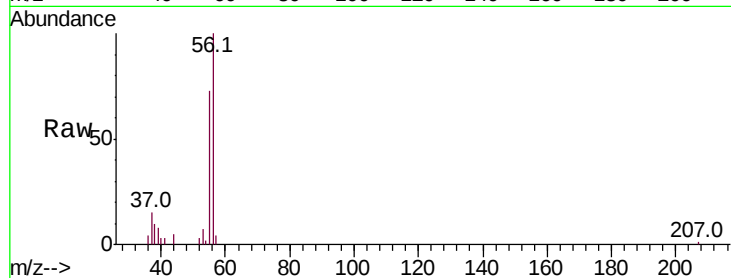
VN0930WBS01

Tot Ion: 56 Resp: 29483

Ion Ratio Lower Upper

56 100

55 73.6 56.9 85.3



#14

Allyl chloride

Concen: 19.271 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

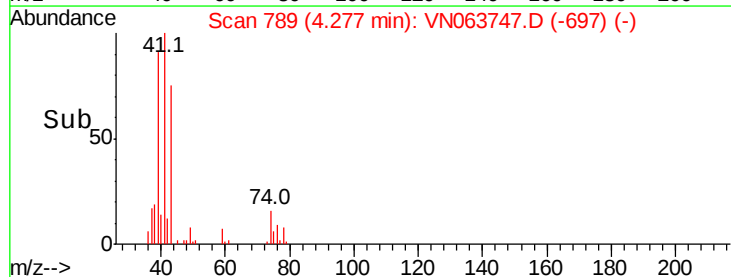
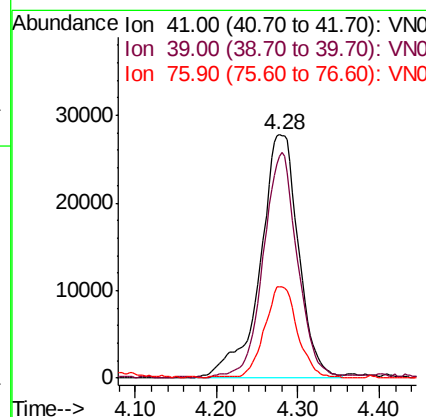
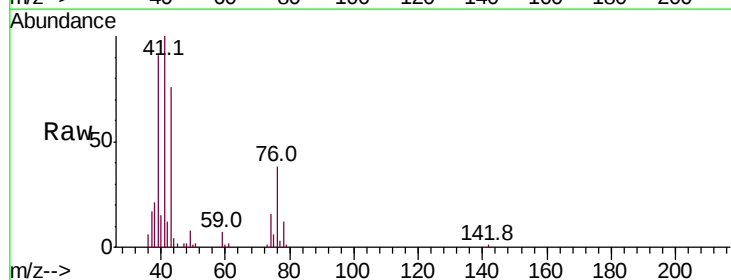
Tgt Ion: 41 Resp: 91370

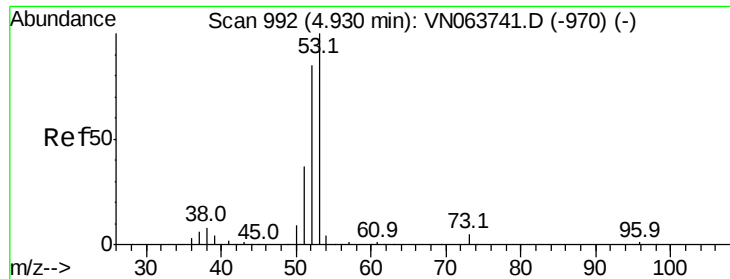
Ion Ratio Lower Upper

41 100

39 82.8 64.5 96.7

76 32.2 25.9 38.9





#15

Acrylonitrile

Concen: 98.321 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

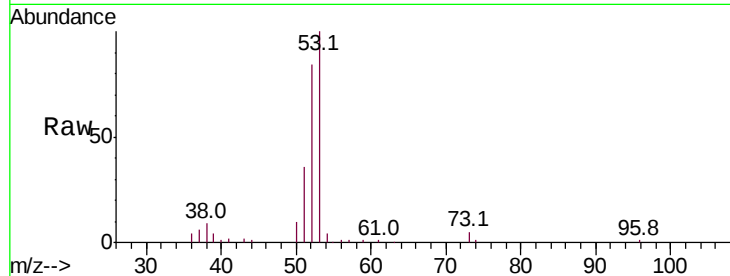
Tot Ion: 53 Resp: 130098

Ion Ratio Lower Upper

53 100

52 84.9 66.5 99.7

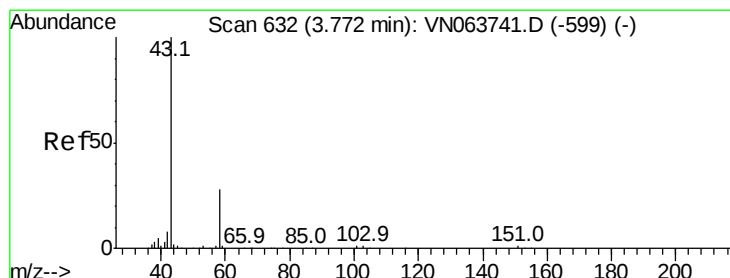
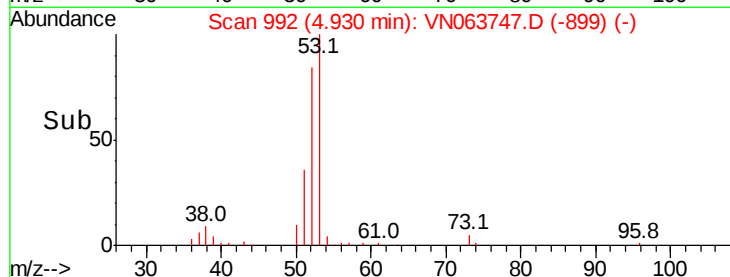
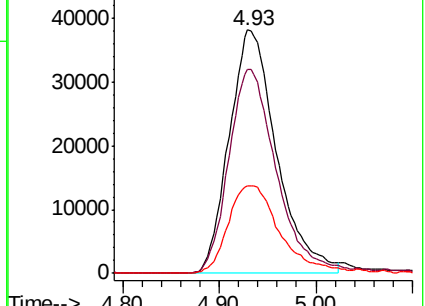
51 39.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 96.696 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063747.D

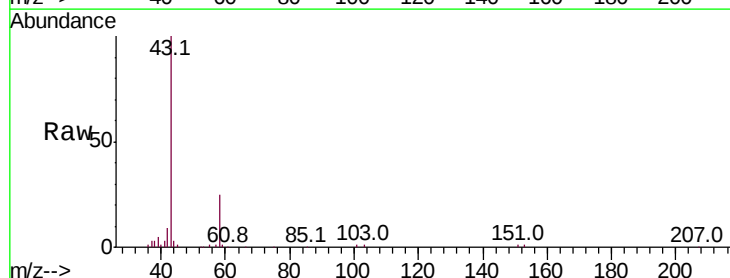
Acq: 30 Sep 2020 14:15

Tgt Ion: 43 Resp: 124631

Ion Ratio Lower Upper

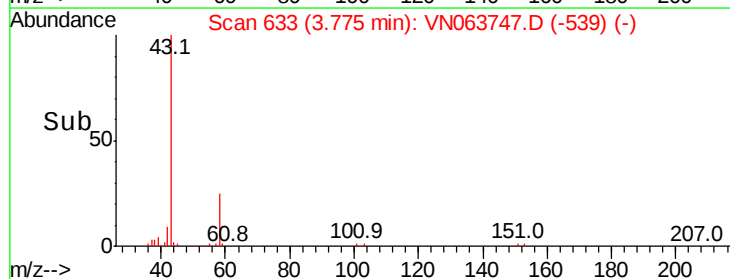
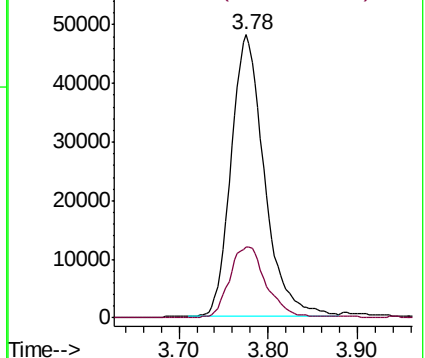
43 100

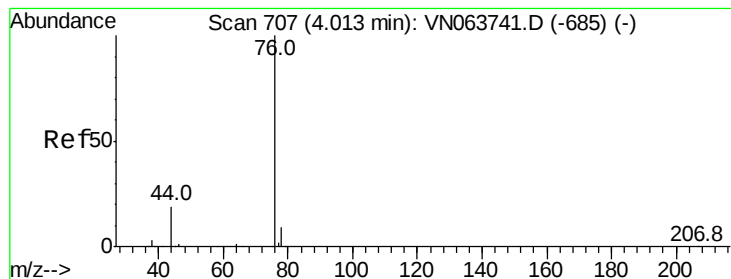
58 25.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.423 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

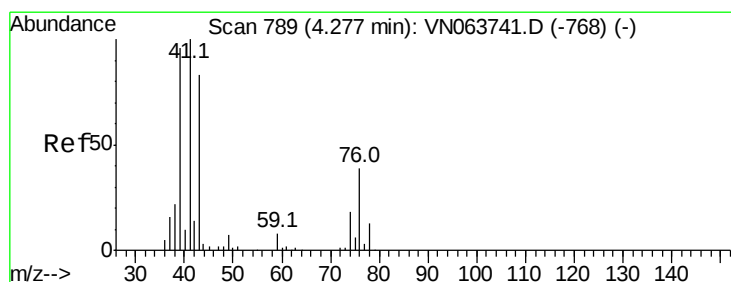
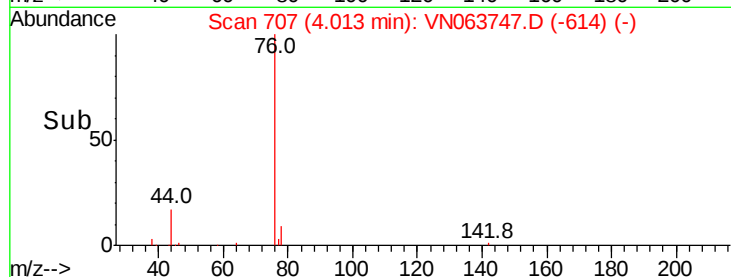
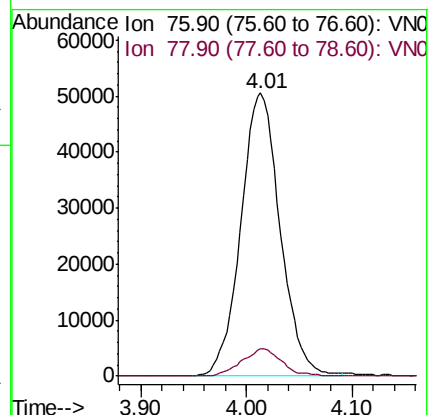
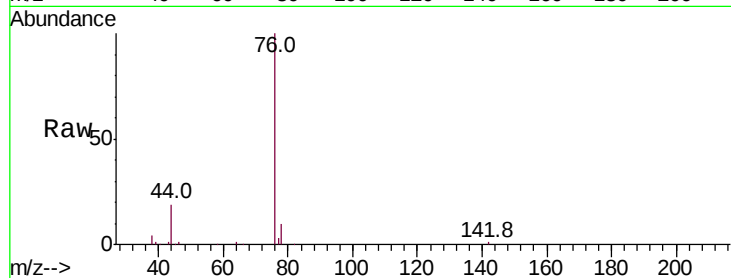
VN0930WBS01

Tot Ion: 76 Resp: 130979

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.4



#18

Methyl Acetate

Concen: 19.598 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063747.D

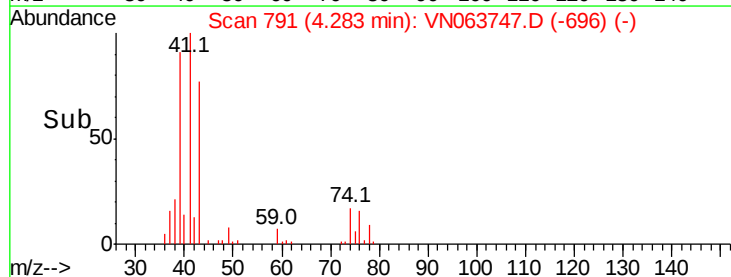
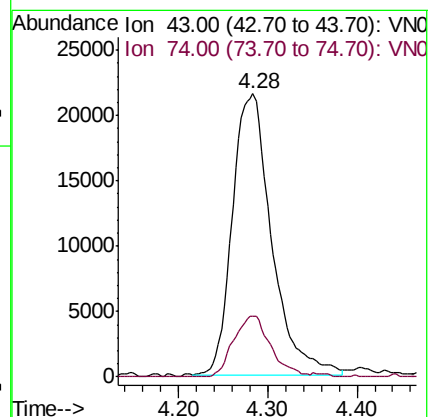
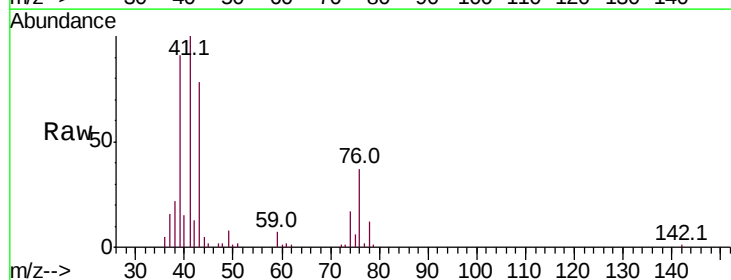
Acq: 30 Sep 2020 14:15

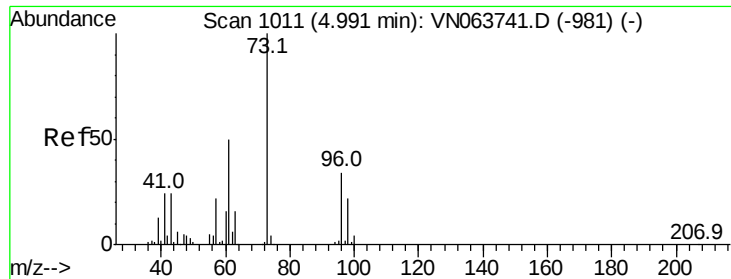
Tgt Ion: 43 Resp: 65586

Ion Ratio Lower Upper

43 100

74 20.5 17.4 26.2

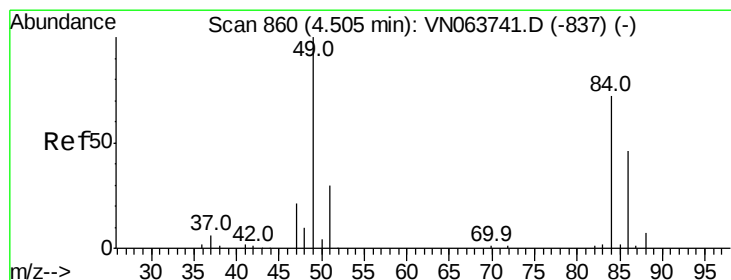
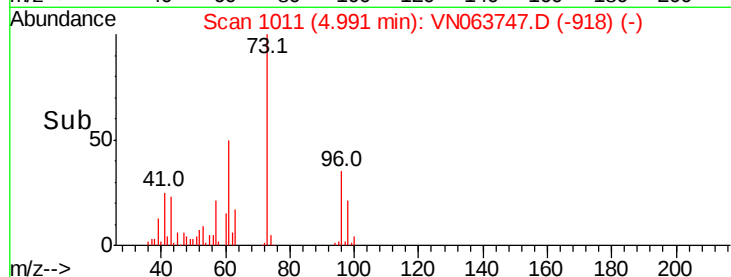
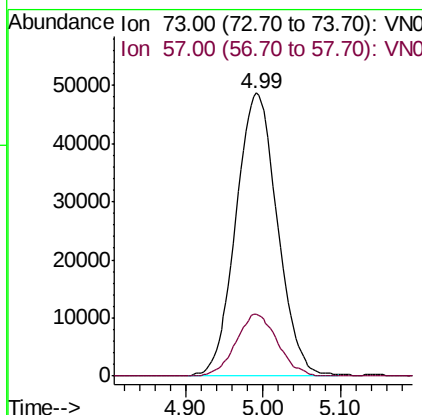
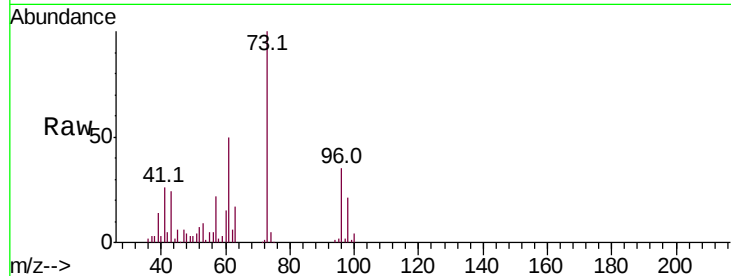




#19
Methvl tert-butvl Ether
Concen: 19.615 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

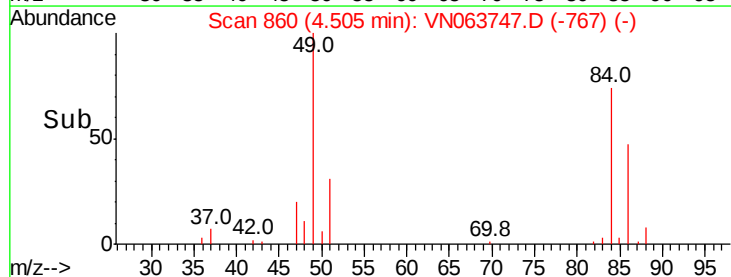
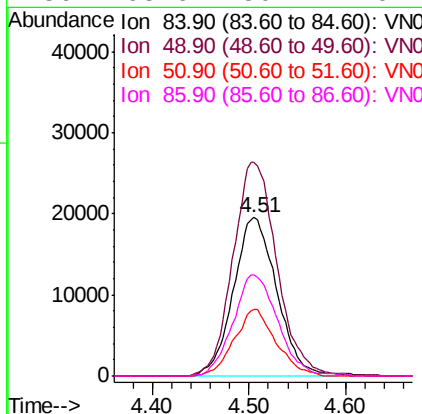
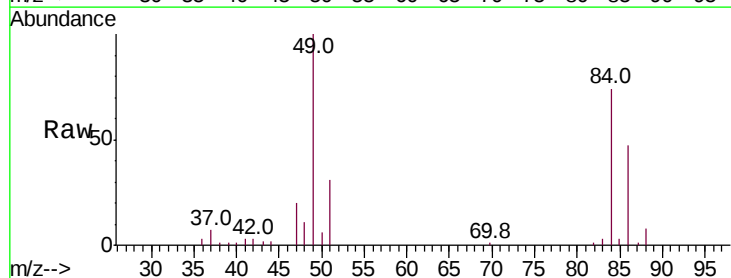
Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

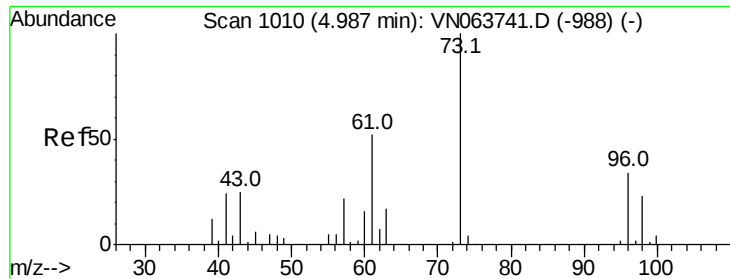
Tot Ion: 73 Resp: 181868
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 20.622 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 84 Resp: 60709
Ion Ratio Lower Upper
84 100
49 134.7 110.4 165.6
51 42.1 33.3 49.9
86 63.6 50.7 76.1

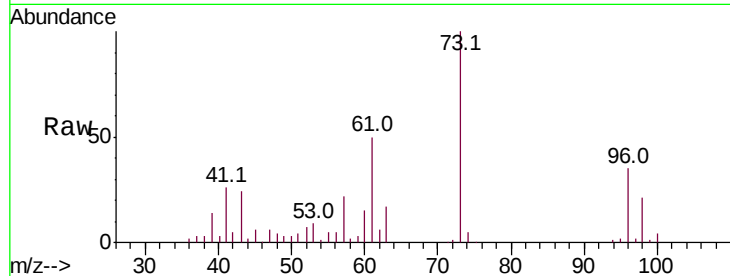




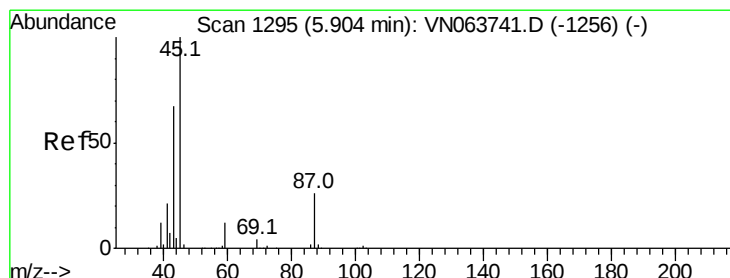
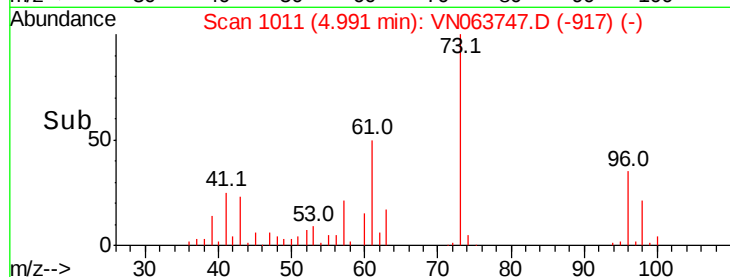
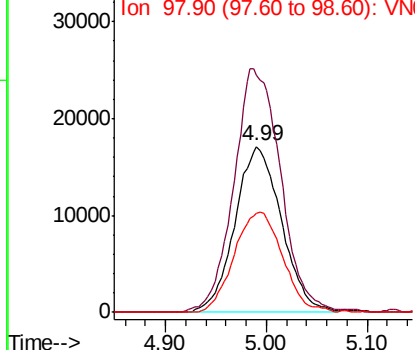
#21
trans-1,2-Dichloroethene
Concen: 19.160 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion: 96 Resp: 54771
Ion Ratio Lower Upper
96 100
61 141.2 120.2 180.2
98 59.3 52.6 79.0

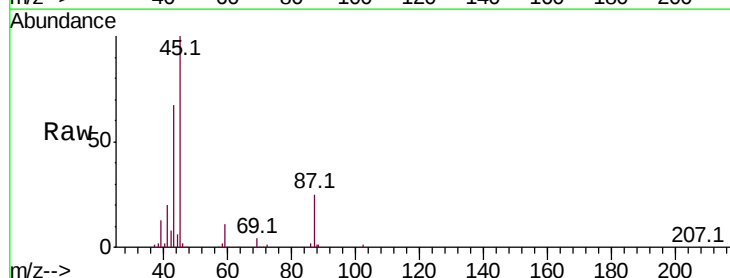


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

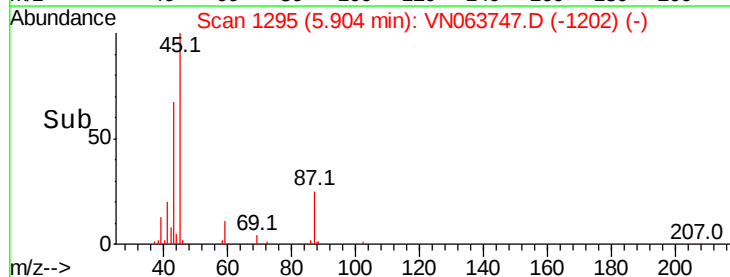
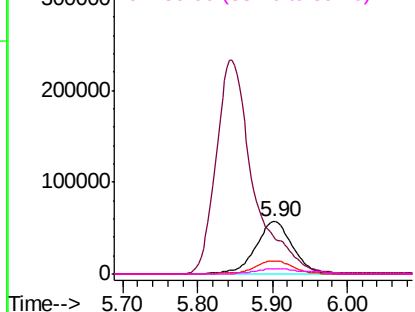


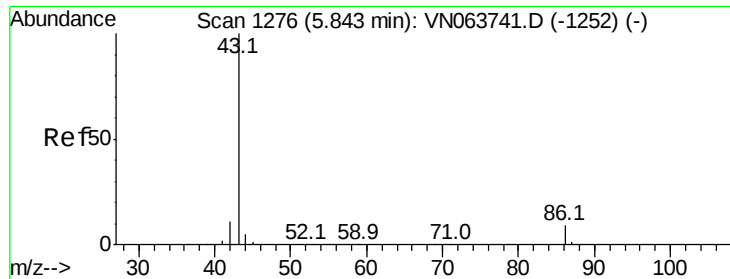
#22
Diisopropyl ether
Concen: 20.075 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 45 Resp: 195834
Ion Ratio Lower Upper
45 100
43 65.4 53.7 80.5
87 25.0 21.1 31.7
59 10.1 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 99.682 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

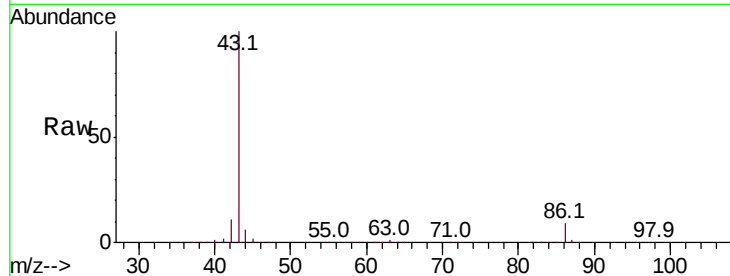
VN0930WBS01

Tot Ion: 43 Resp: 805491

Ion Ratio Lower Upper

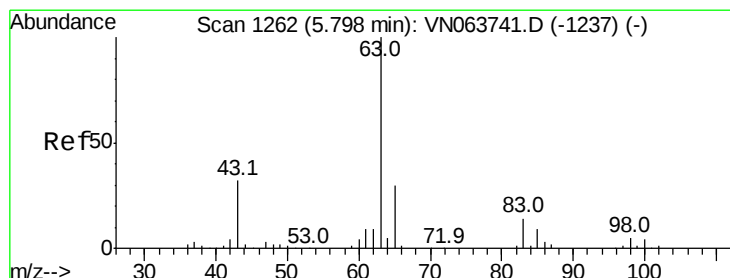
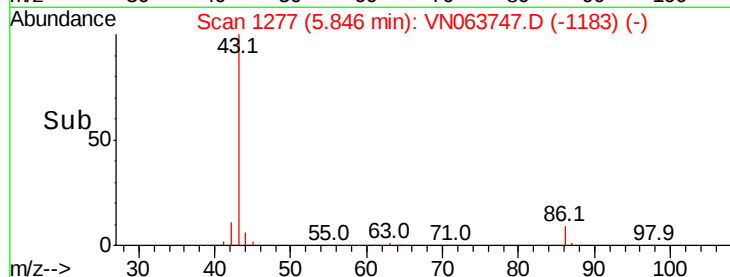
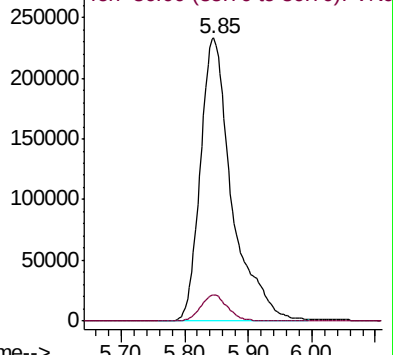
43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.044 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

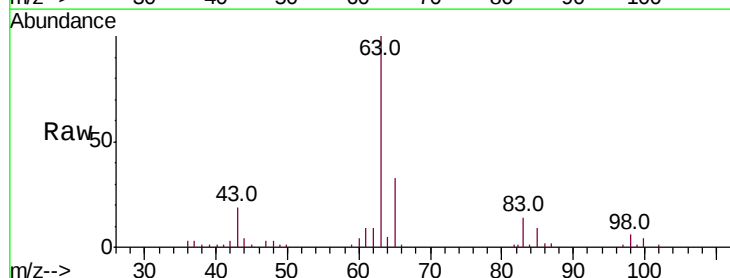
Tgt Ion: 63 Resp: 106223

Ion Ratio Lower Upper

63 100

98 6.4 2.7 8.1

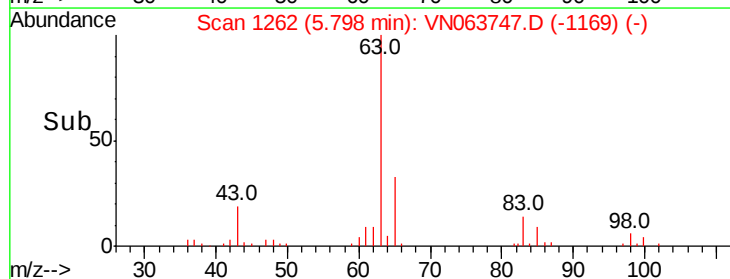
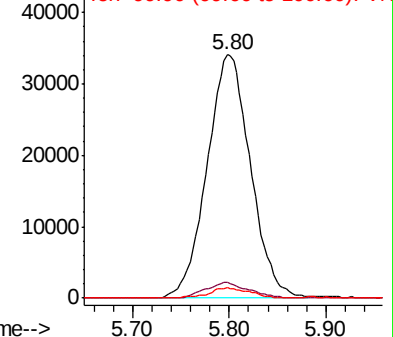
100 4.3 1.9 5.7

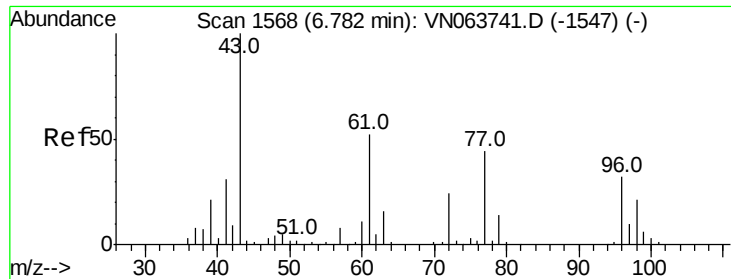


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

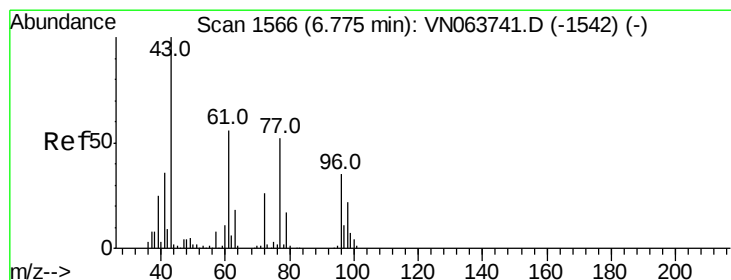
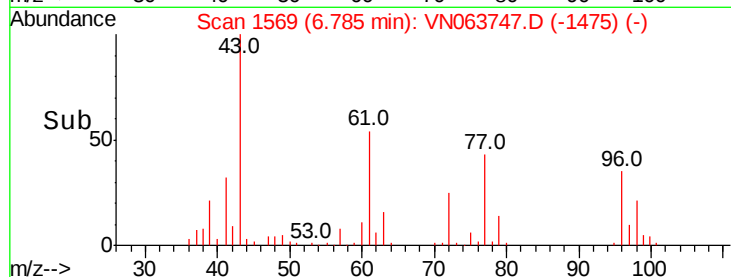
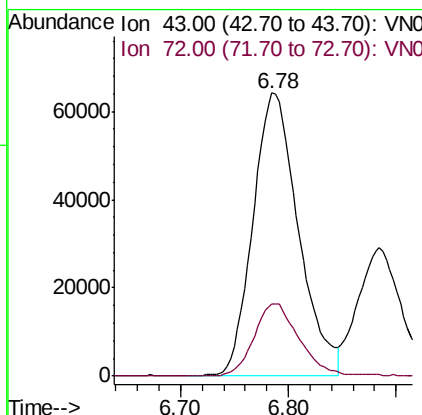
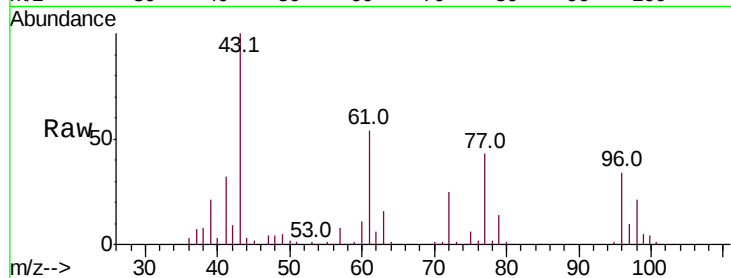




#25
2-Butanone
Concen: 103.171 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

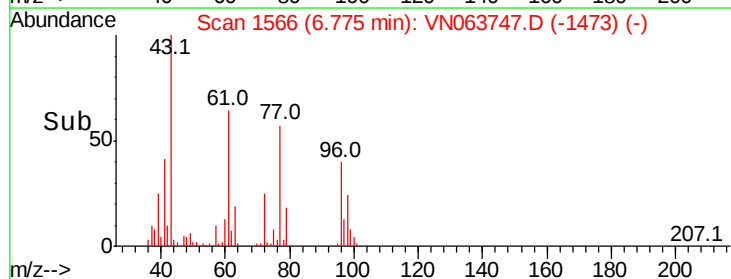
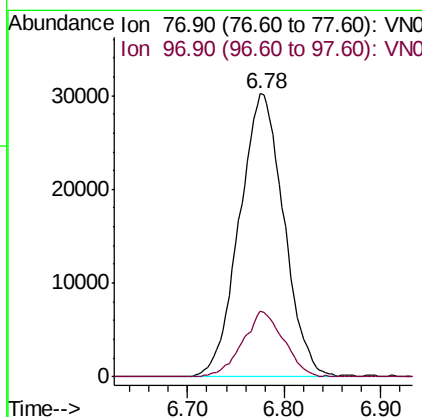
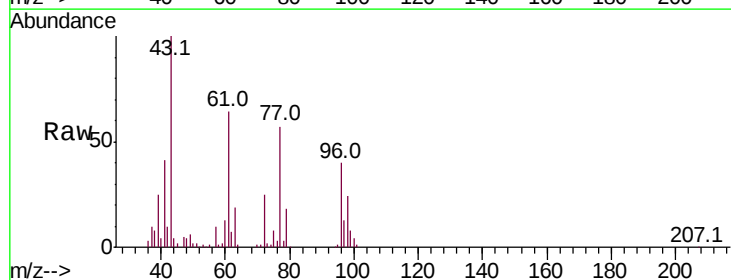
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

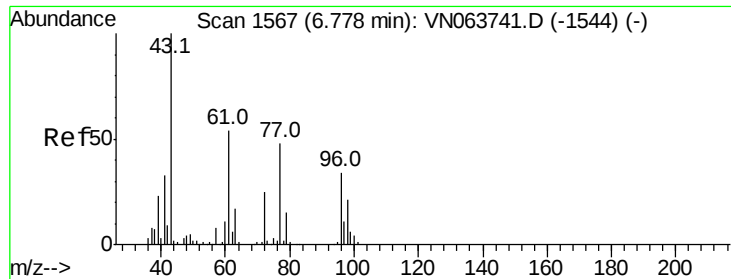
Tot Ion: 43 Resp: 188528
Ion Ratio Lower Upper
43 100
72 25.3 19.3 28.9



#26
2,2-Dichloropropane
Concen: 18.858 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 77 Resp: 96323
Ion Ratio Lower Upper
77 100
97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

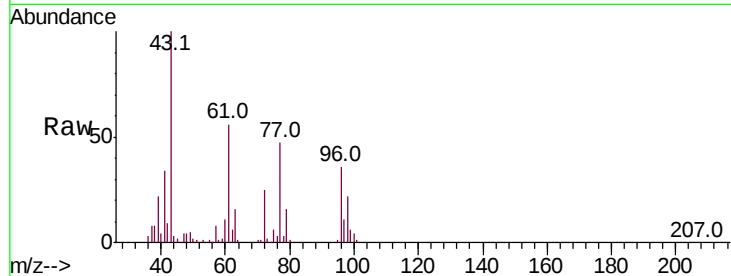
Tot Ion: 96 Resp: 63189

Ion Ratio Lower Upper

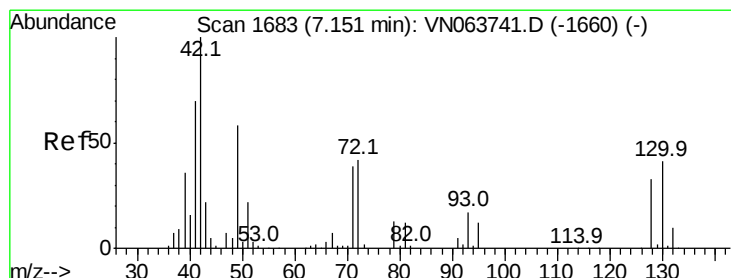
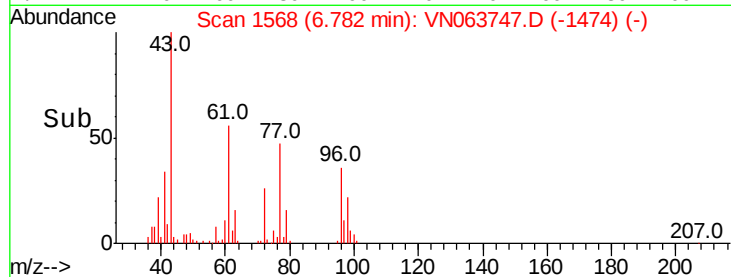
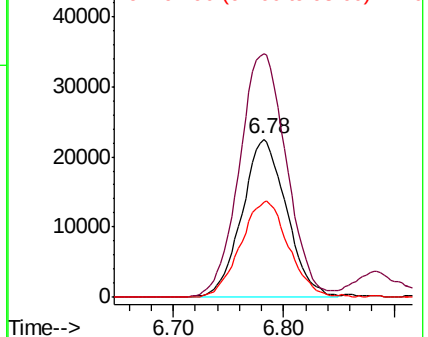
96 100

61 163.2 0.0 321.2

98 64.9 0.0 124.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.306 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

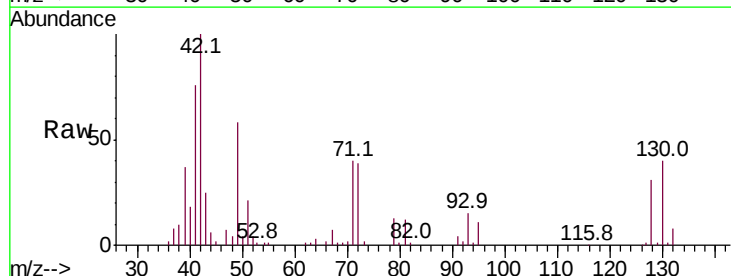
Tgt Ion: 49 Resp: 53221

Ion Ratio Lower Upper

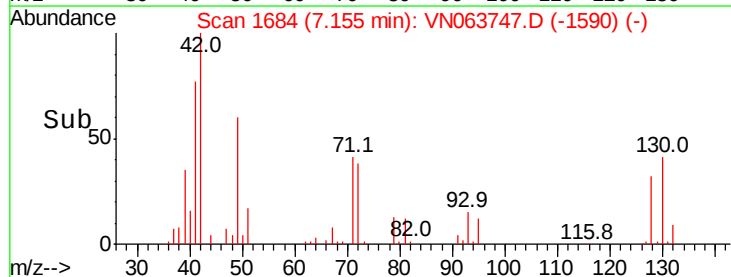
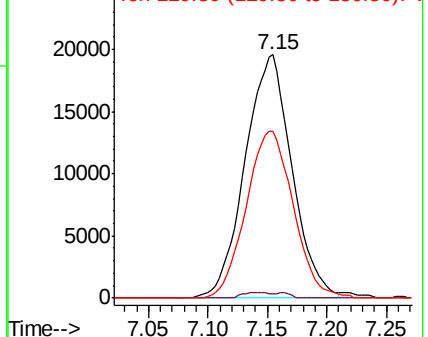
49 100

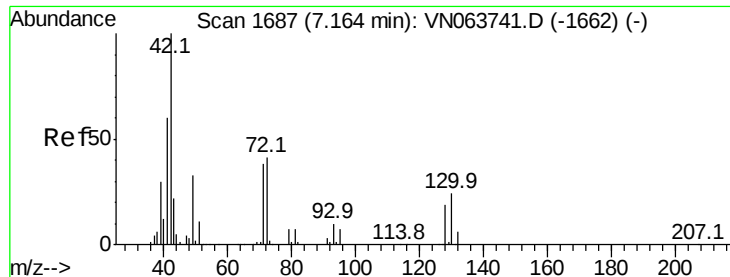
129 1.4 0.0 4.8

130 69.3 55.6 83.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.142 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

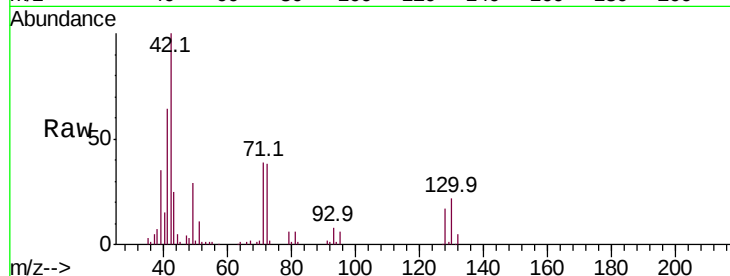
Tot Ion: 42 Resp: 125184

Ion Ratio Lower Upper

42 100

72 39.4 32.8 49.2

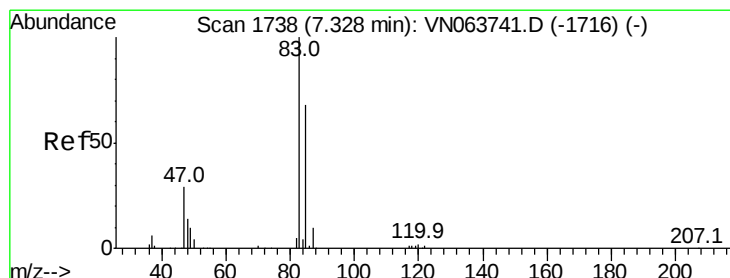
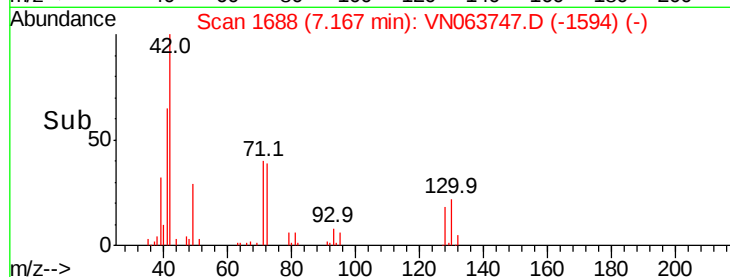
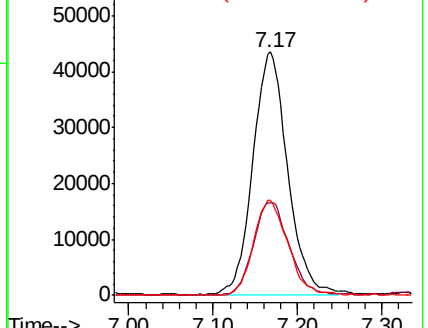
71 38.4 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.528 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063747.D

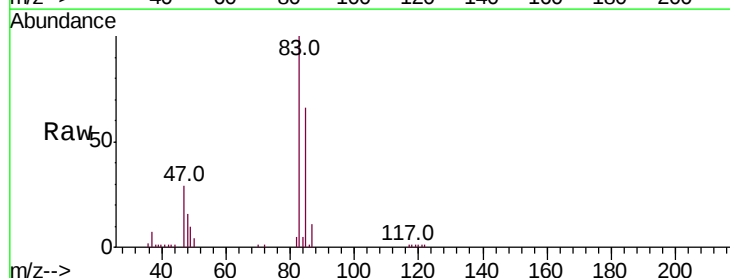
Acq: 30 Sep 2020 14:15

Tgt Ion: 83 Resp: 113567

Ion Ratio Lower Upper

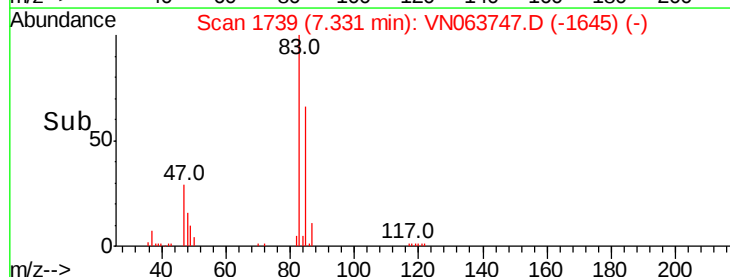
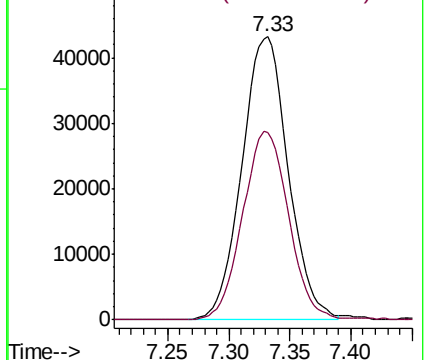
83 100

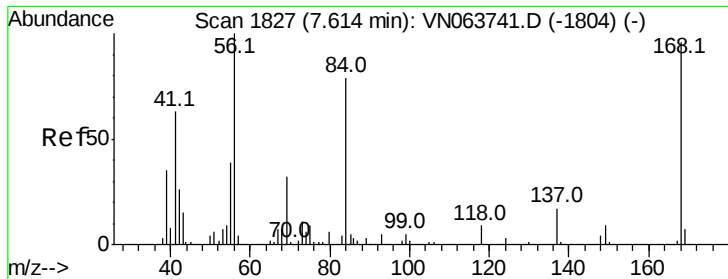
85 66.3 54.6 82.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

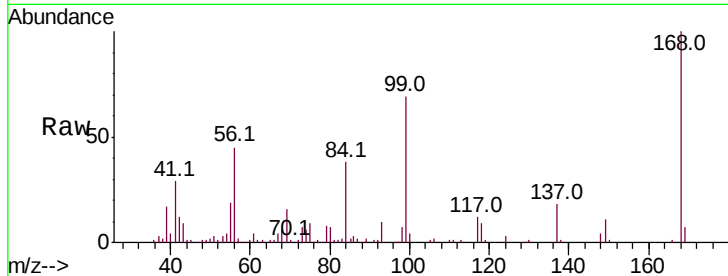




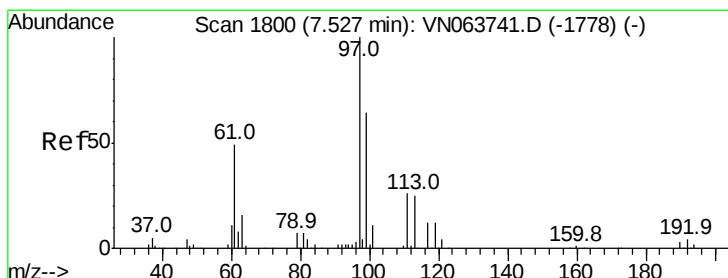
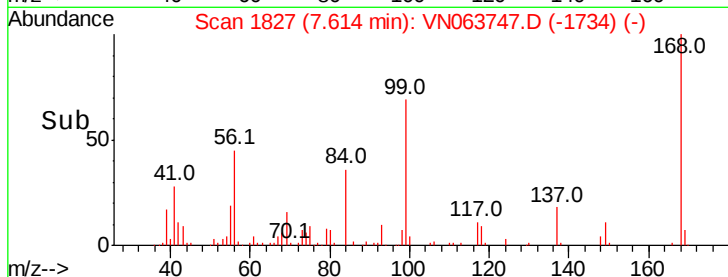
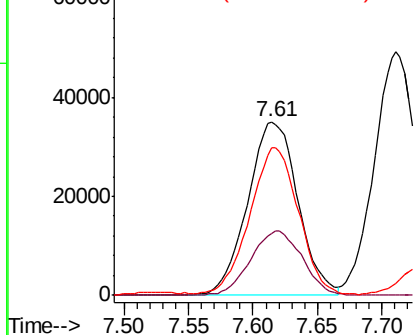
#31
Cyclohexane
Concen: 19.588 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion: 56 Resp: 95217
Ion Ratio Lower Upper
56 100
69 35.9 25.4 38.2
84 83.4 63.3 94.9

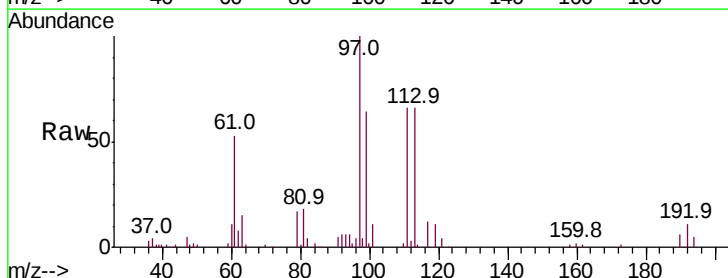


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

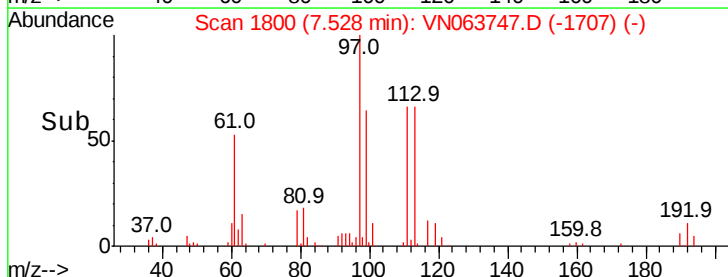
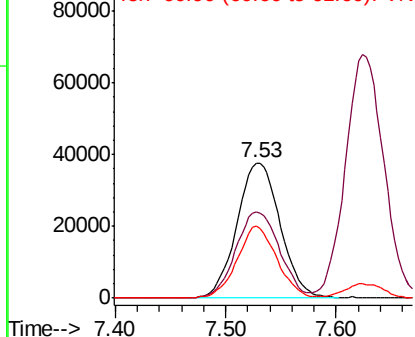


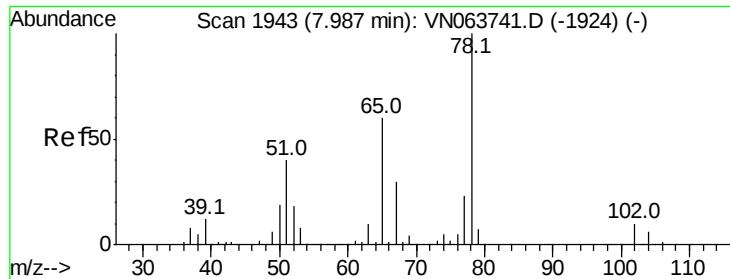
#32
1,1,1-Trichloroethane
Concen: 19.501 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 97 Resp: 102295
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.6
61 48.9 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 51.629 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

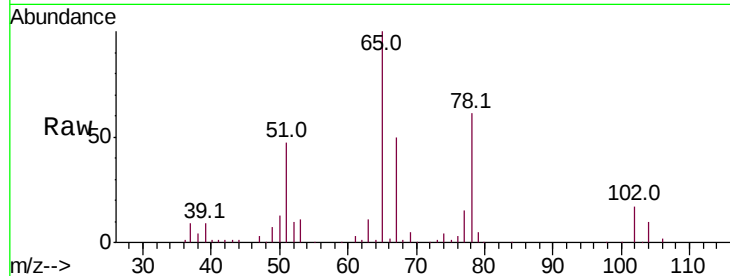
VN0930WBS01

Tot Ion: 65 Resp: 216172

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

100000

80000

60000

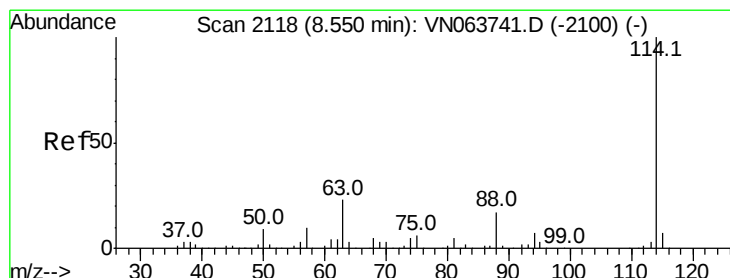
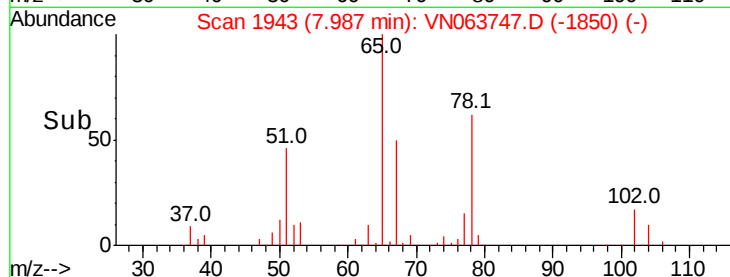
40000

20000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

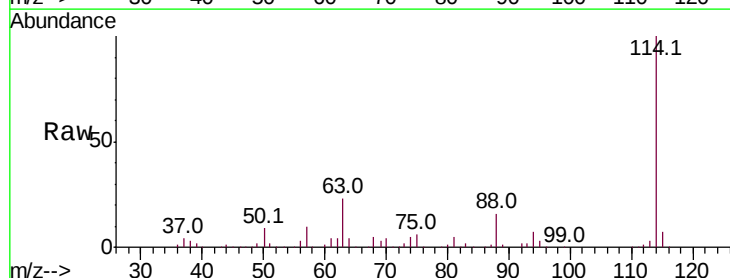
Tgt Ion: 114 Resp: 424381

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 16.3 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

250000

200000

150000

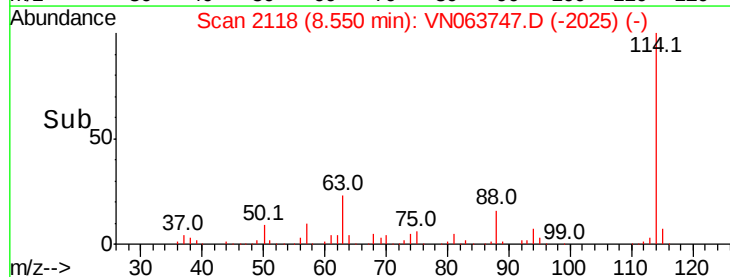
100000

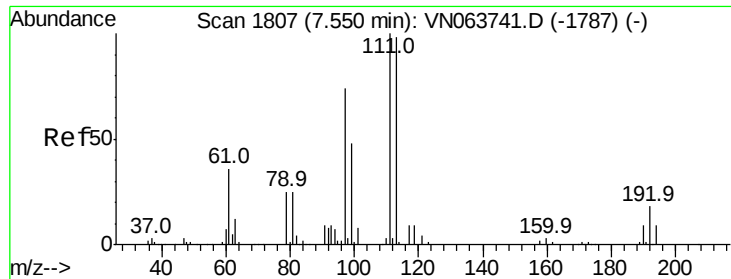
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

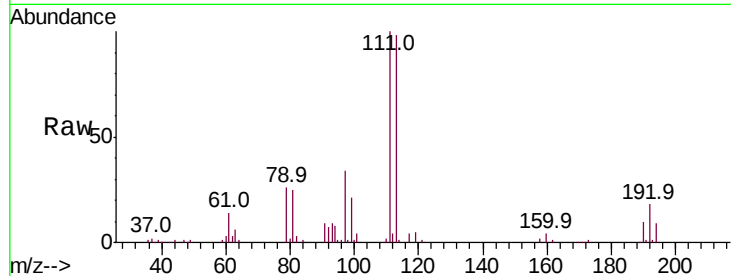




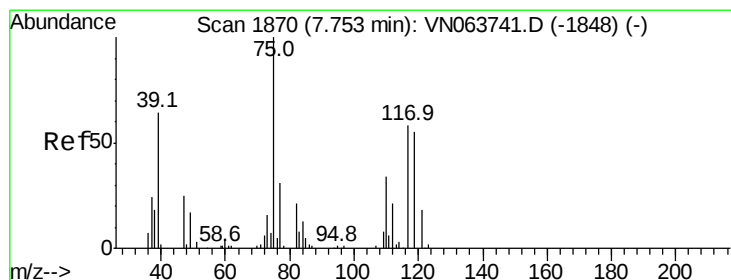
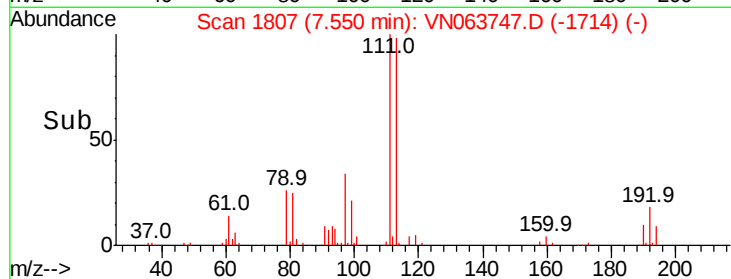
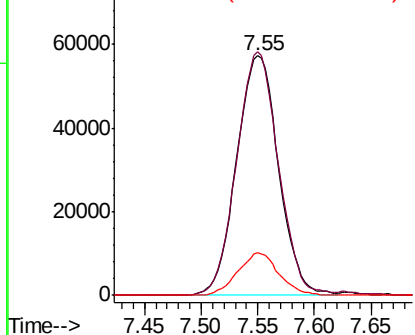
#35
 Dibromofluoromethane
 Concen: 50.226 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion:113 Resp: 147898
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.8 122.8
 192 17.3 14.2 21.2

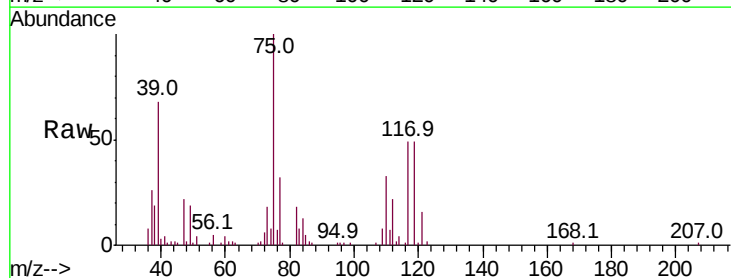


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

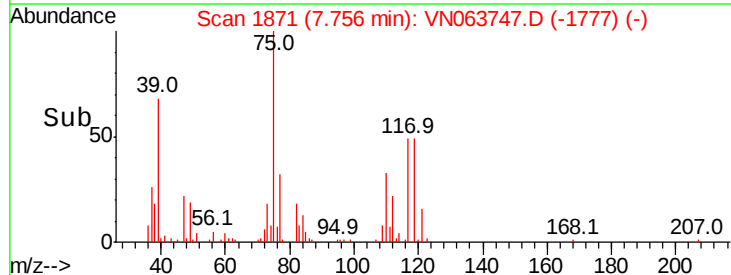
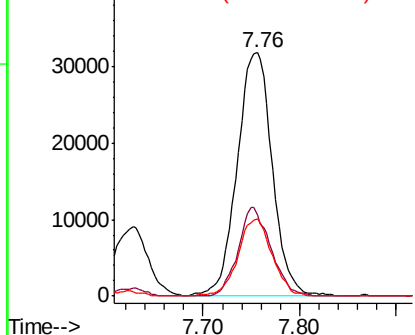


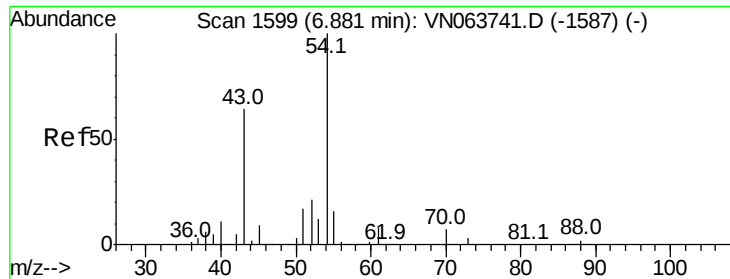
#36
 1,1-Dichloropropene
 Concen: 18.709 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion: 75 Resp: 80437
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.9 50.6
 77 30.8 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

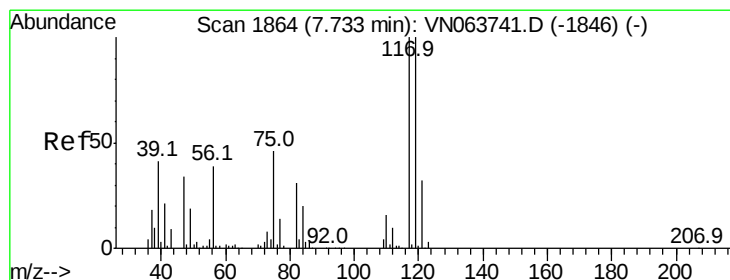
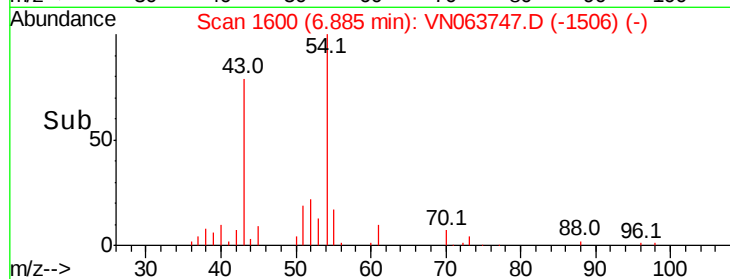
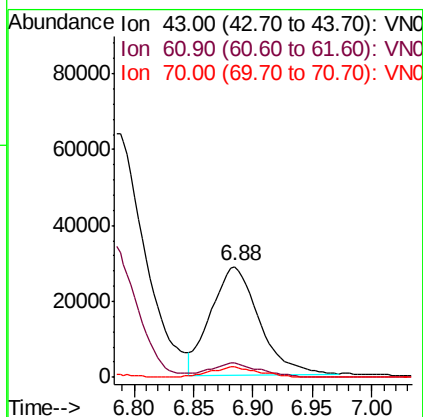
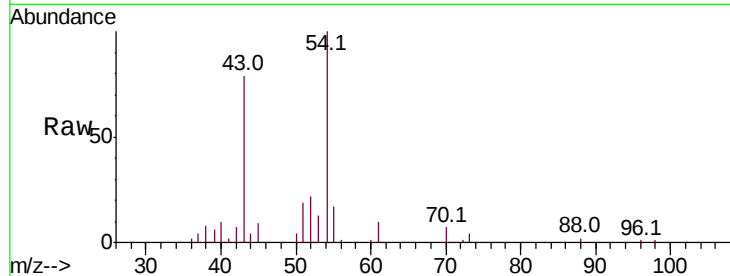




#37
Ethyl Acetate
Concen: 18.743 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

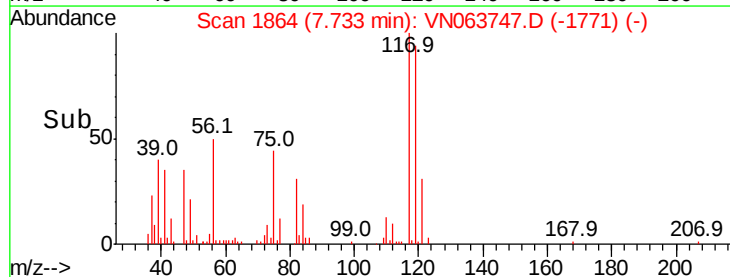
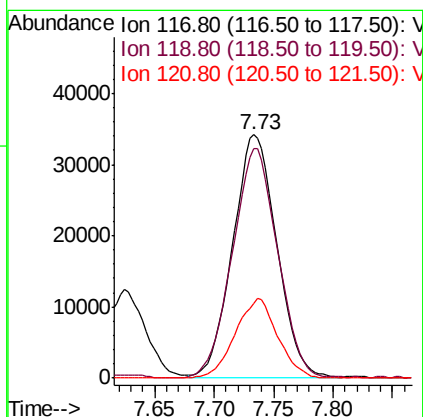
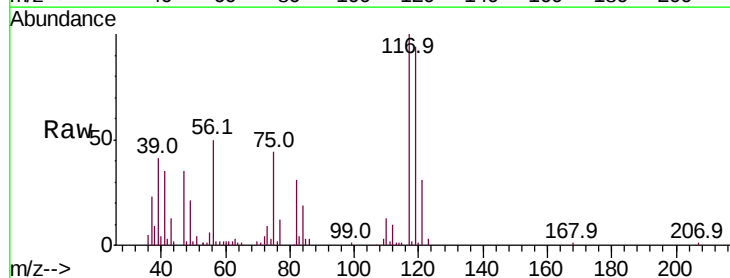
Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

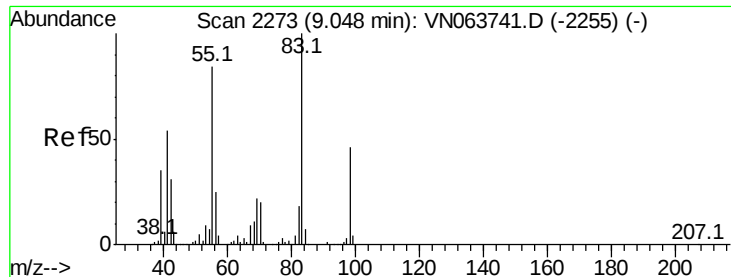
Tot Ion: 43 Resp: 80059
Ion Ratio Lower Upper
43 100
61 12.8 10.4 15.6
70 9.5 7.3 10.9



#38
Carbon Tetrachloride
Concen: 18.248 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 117 Resp: 87974
Ion Ratio Lower Upper
117 100
119 93.8 80.1 120.1
121 30.6 25.7 38.5

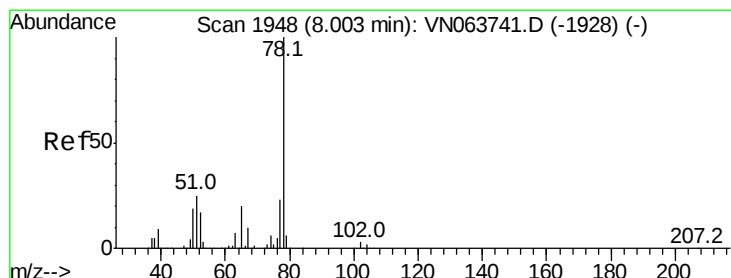
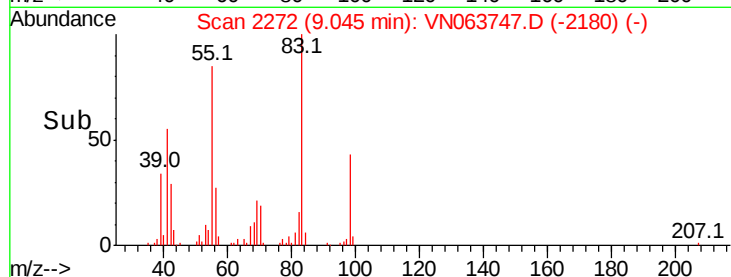
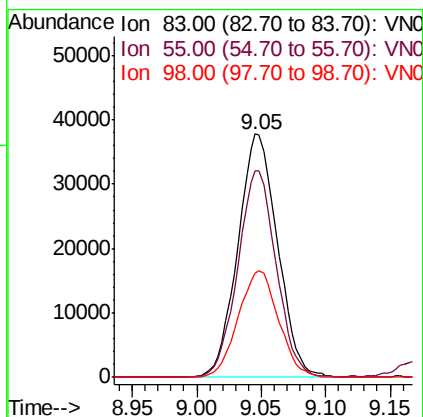
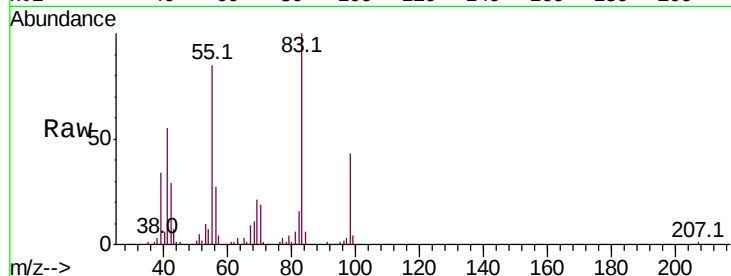




#39
Methvlcvclohexane
Concen: 18.888 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

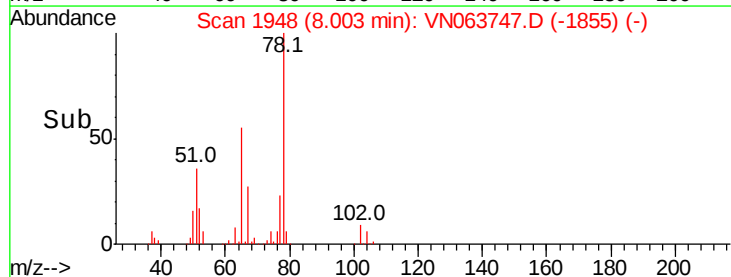
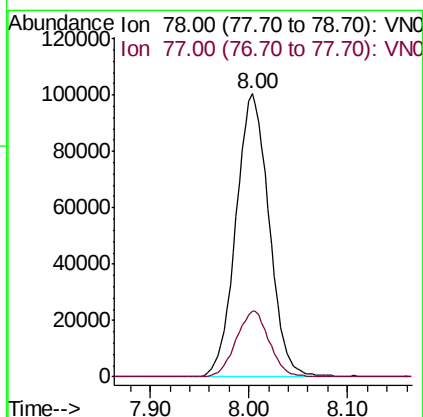
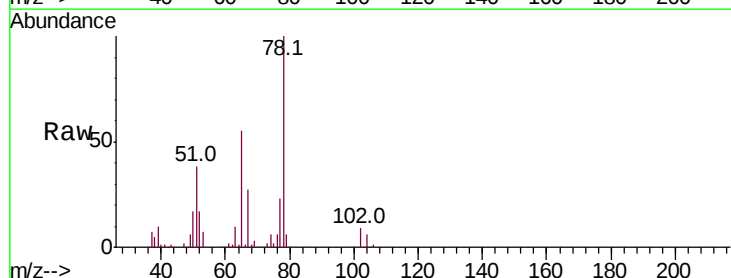
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

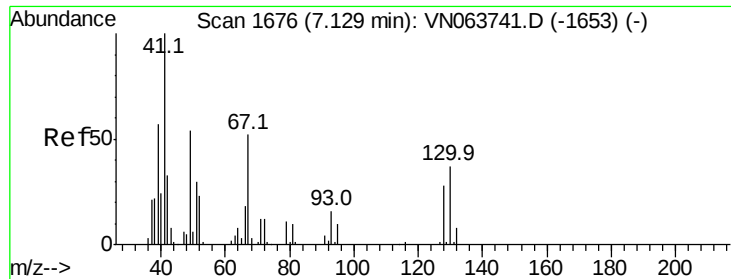
Tot Ion: 83 Resp: 80983
Ion Ratio Lower Upper
83 100
55 85.0 67.1 100.7
98 42.6 36.6 54.8



#40
Benzene
Concen: 19.059 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 78 Resp: 234047
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1

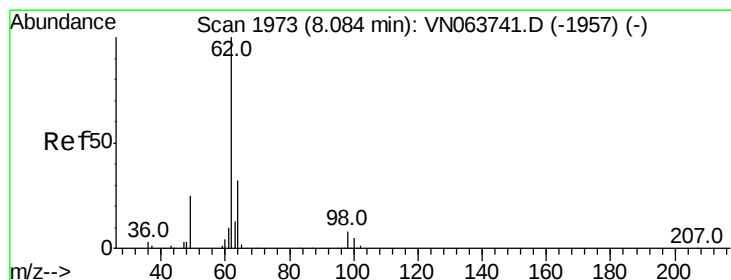
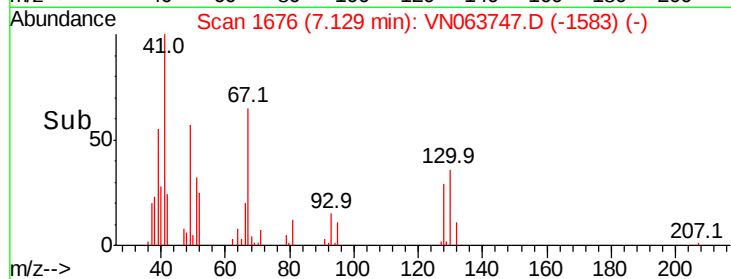
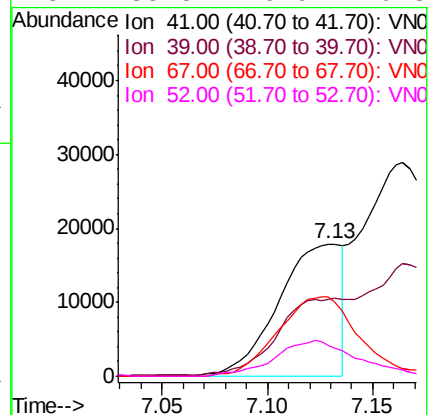
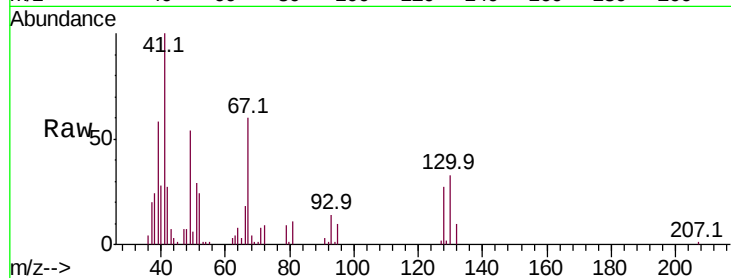




#41
Methacrylonitrile
Concen: 19.708 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

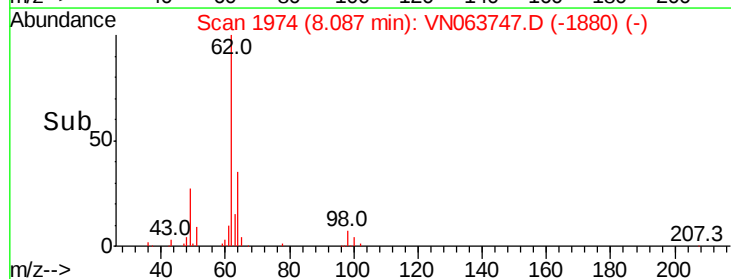
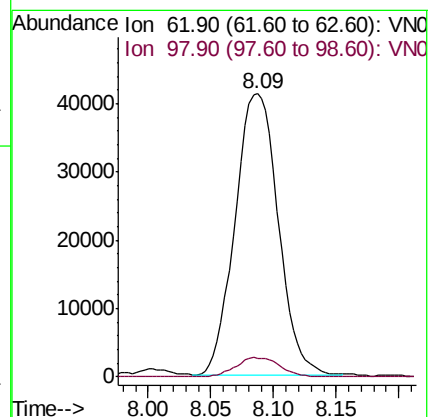
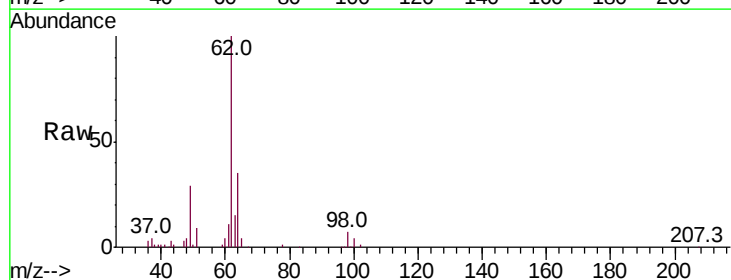
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

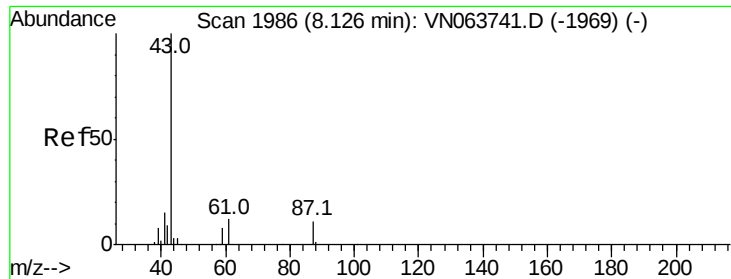
Tot Ion:	41	Resp:	37415
Ion	Ratio	Lower	Upper
41	100		
39	62.9	42.5	63.7
67	77.3	57.4	86.2
52	35.8	26.9	40.3



#42
1,2-Dichloroethane
Concen: 18.705 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion:	62	Resp:	98050
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	15.0





#43

Isopropyl Acetate

Concen: 19.943 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

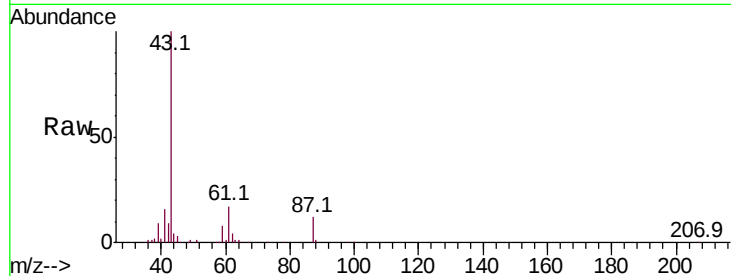
Tot Ion: 43 Resp: 140511

Ion Ratio Lower Upper

43 100

61 18.3 14.2 21.4

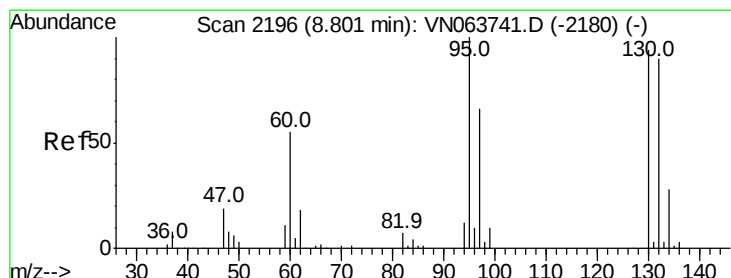
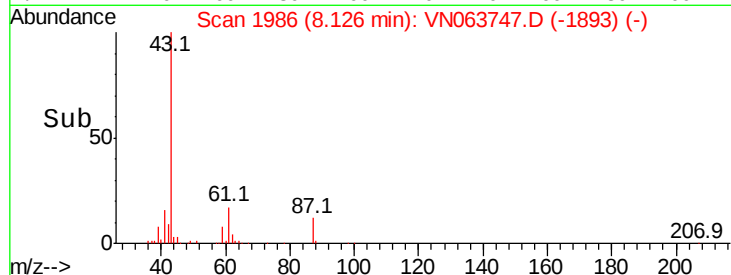
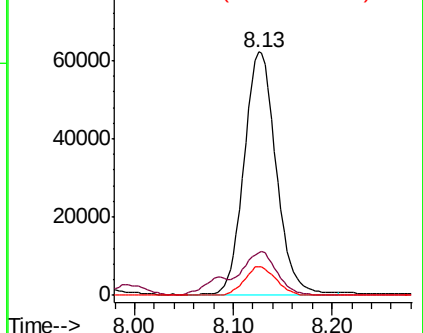
87 11.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.435 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063747.D

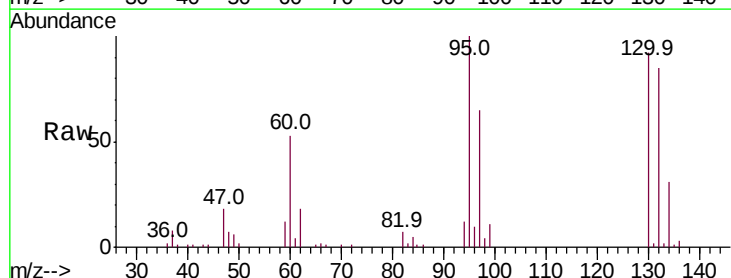
Acq: 30 Sep 2020 14:15

Tgt Ion: 130 Resp: 59317

Ion Ratio Lower Upper

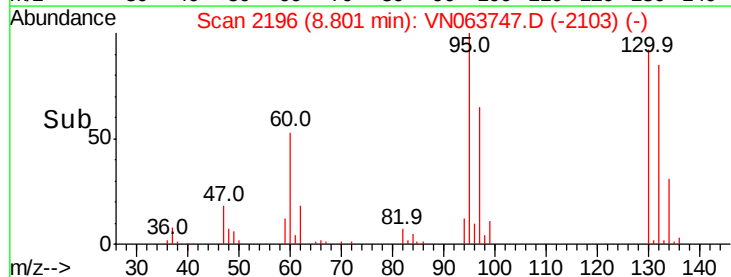
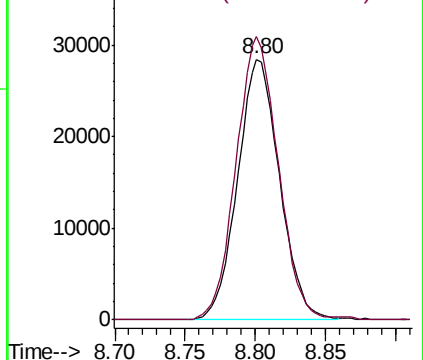
130 100

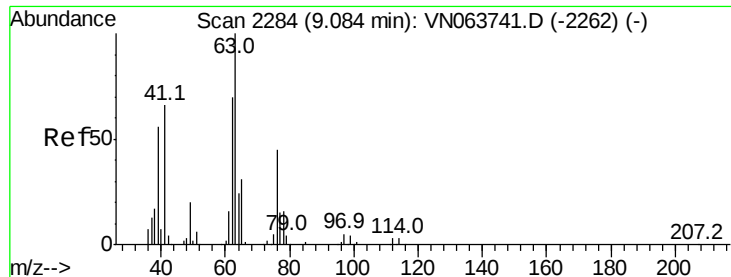
95 108.5 0.0 213.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.387 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

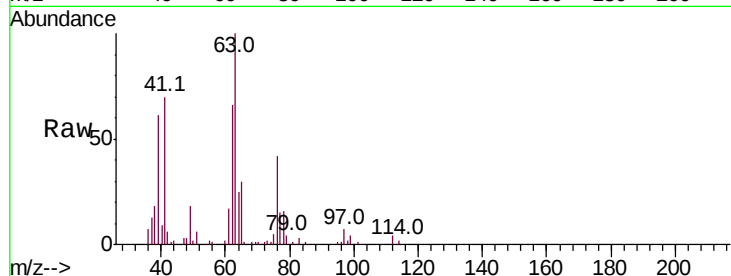
VN0930WBS01

Tot Ion: 63 Resp: 64298

Ion Ratio Lower Upper

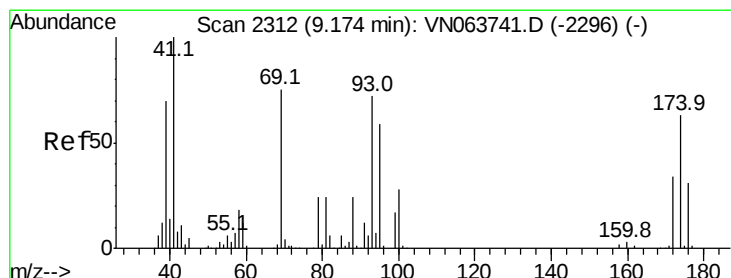
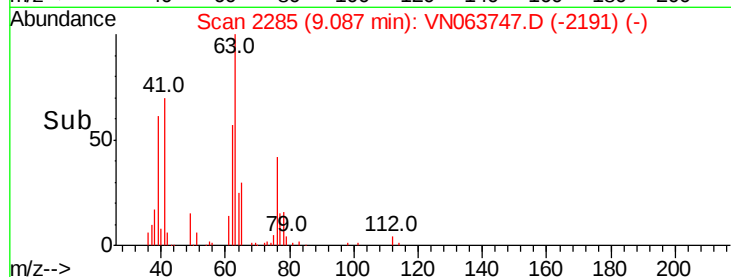
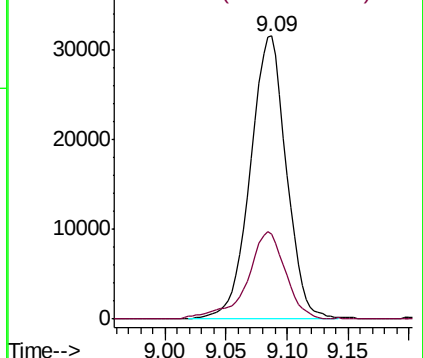
63 100

65 29.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.172 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

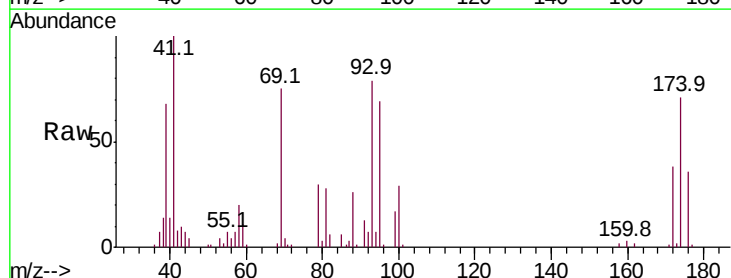
Tgt Ion: 93 Resp: 43864

Ion Ratio Lower Upper

93 100

95 85.0 66.3 99.5

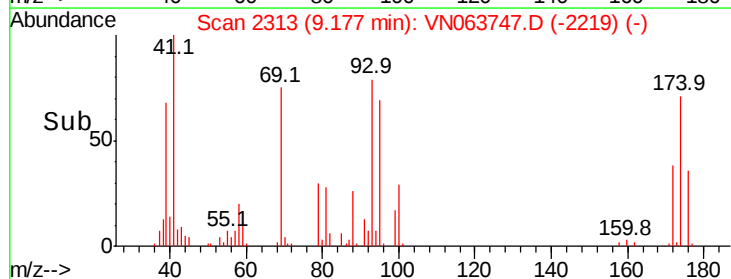
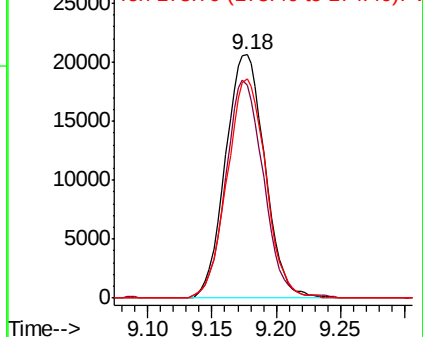
174 88.4 72.7 109.1

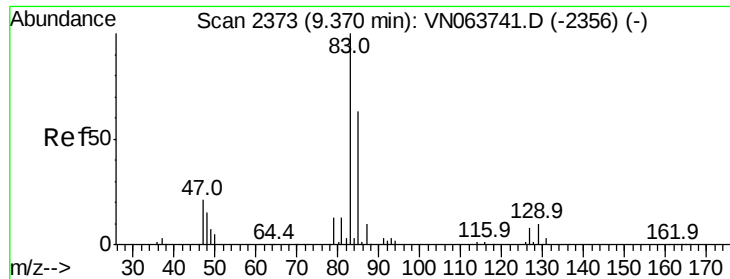


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.987 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

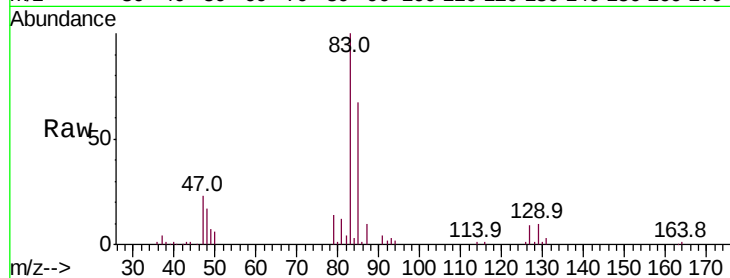
Tot Ion: 83 Resp: 89525

Ion Ratio Lower Upper

83 100

85 66.8 50.6 75.8

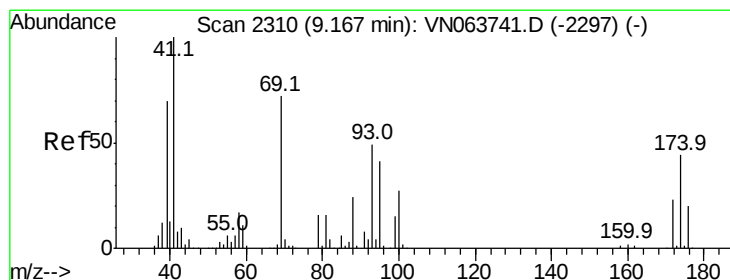
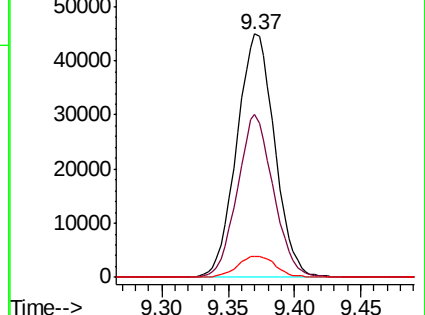
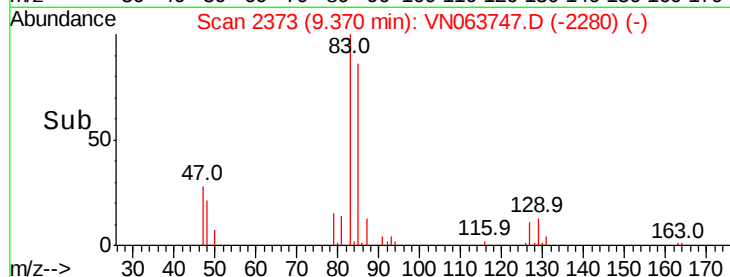
127 8.7 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.599 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

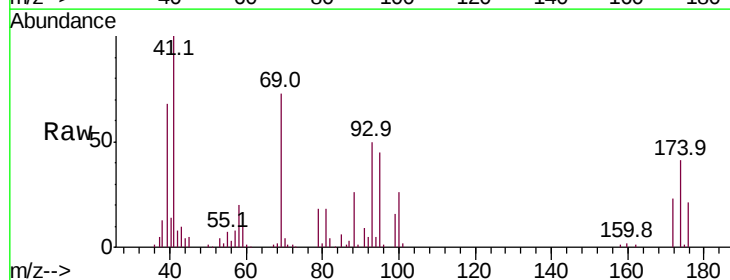
Tgt Ion: 41 Resp: 68225

Ion Ratio Lower Upper

41 100

69 73.7 60.9 91.3

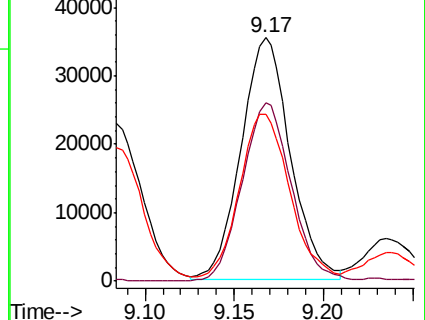
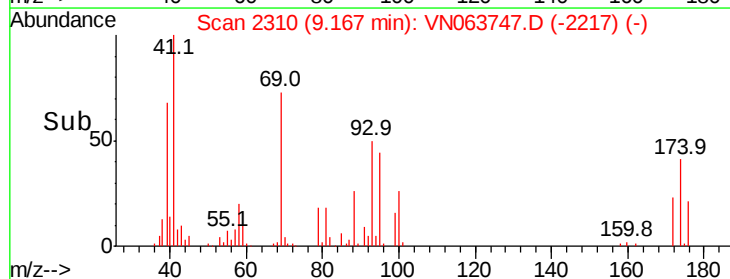
39 70.3 57.5 86.3

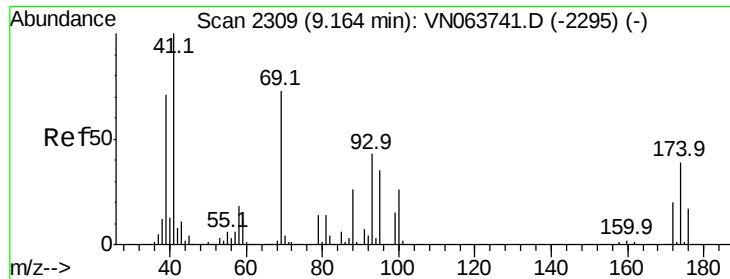


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 384.171 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

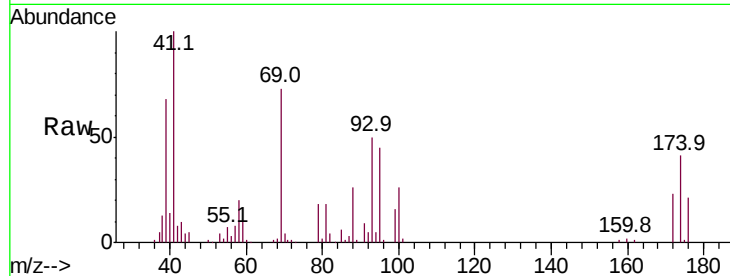
Tot Ion: 88 Resp: 19006

Ion Ratio Lower Upper

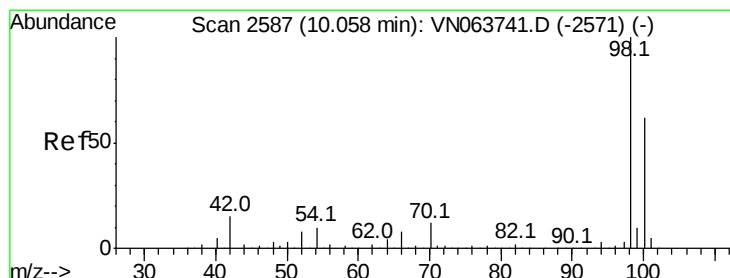
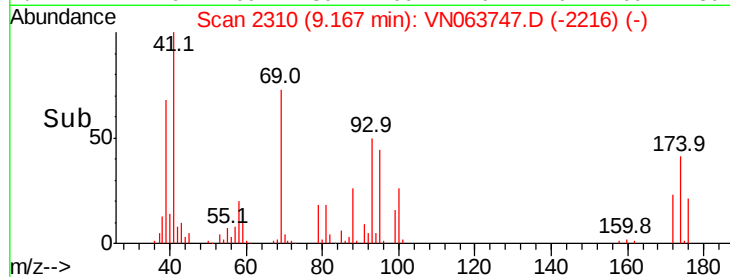
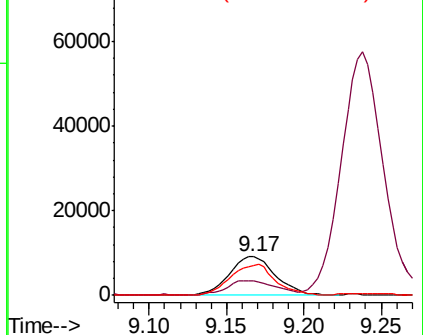
88 100

43 41.1 33.1 49.7

58 76.8 58.9 88.3



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: 48.926 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063747.D

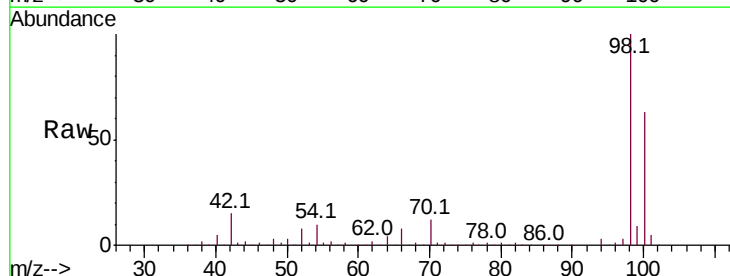
Acq: 30 Sep 2020 14:15

Tgt Ion: 98 Resp: 546163

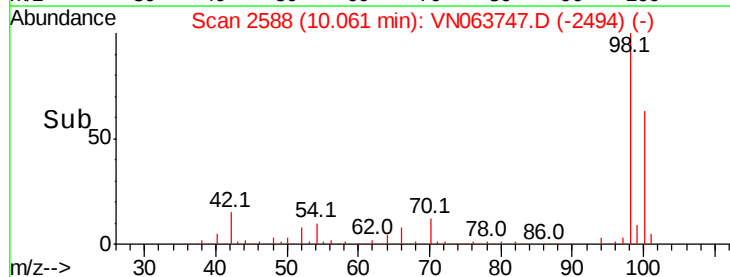
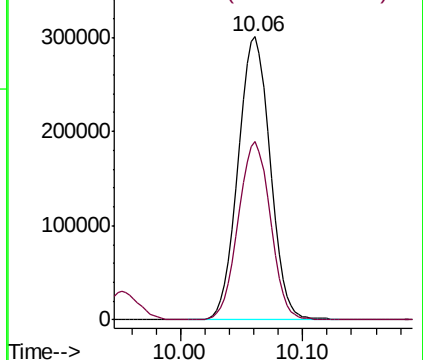
Ion Ratio Lower Upper

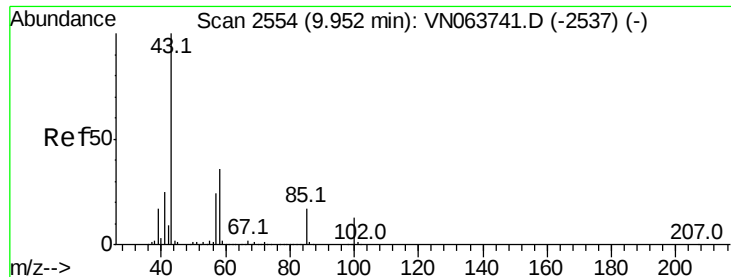
98 100

100 63.1 49.8 74.6



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: 100.567 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

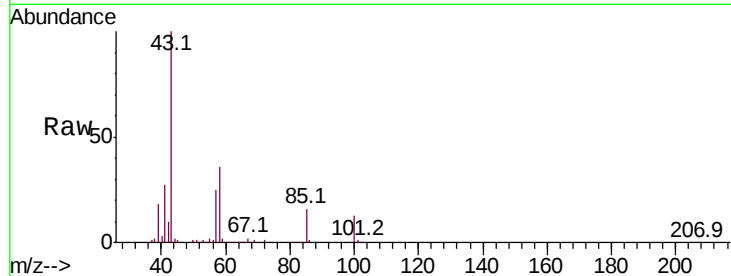
VN0930WBS01

Tot Ion: 43 Resp: 415818

Ion Ratio Lower Upper

43 100

58 35.8 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

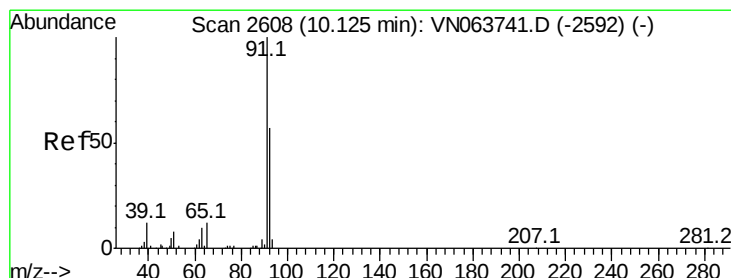
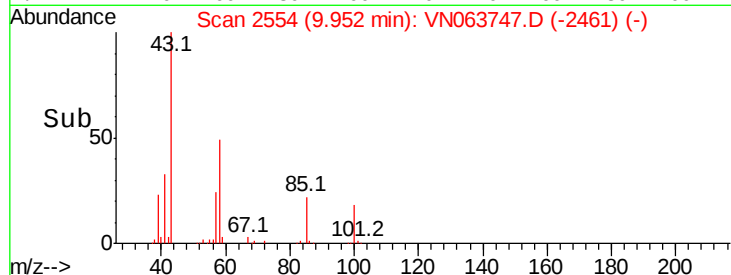
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 19.233 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063747.D

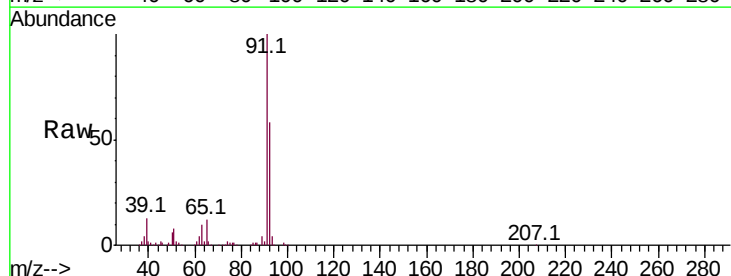
Acq: 30 Sep 2020 14:15

Tgt Ion: 92 Resp: 146085

Ion Ratio Lower Upper

92 100

91 173.3 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

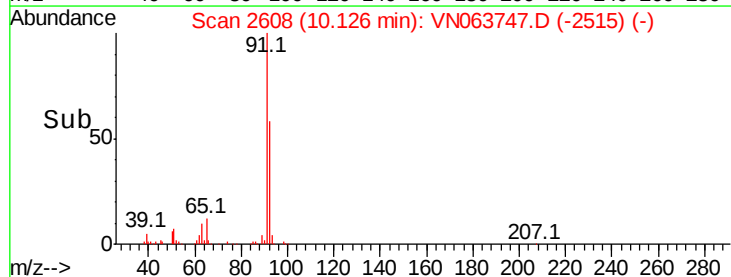
0

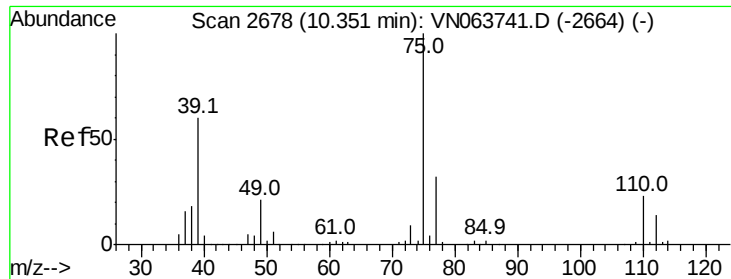
10.10

10.13

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.315 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

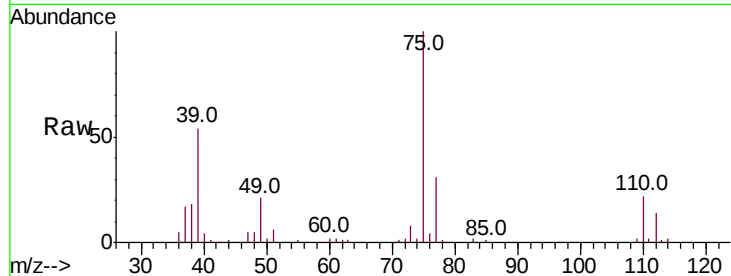
VN0930WBS01

Tot Ion: 75 Resp: 97624

Ion Ratio Lower Upper

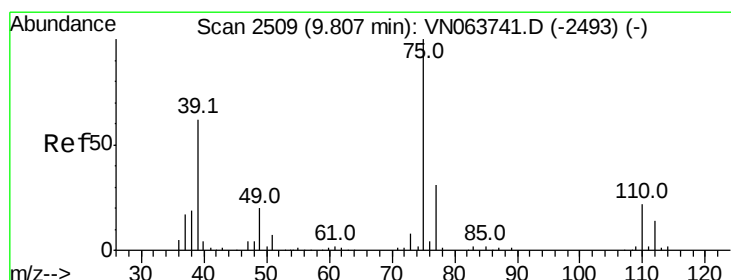
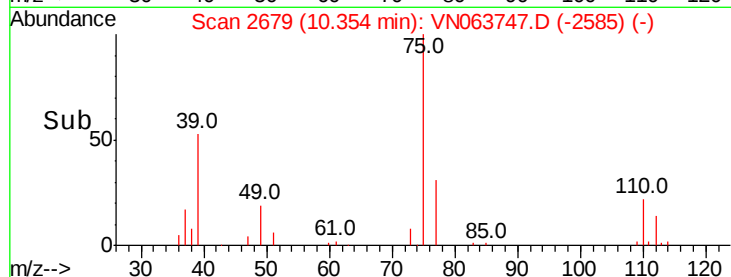
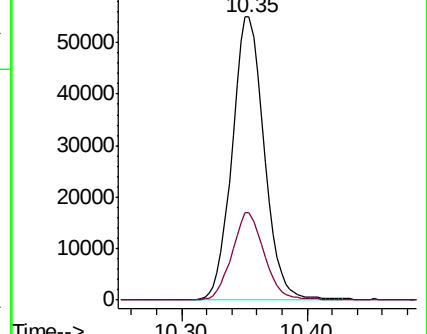
75 100

77 31.0 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.408 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

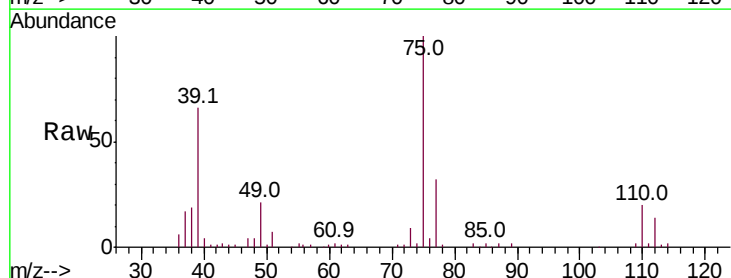
Tgt Ion: 75 Resp: 102592

Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8

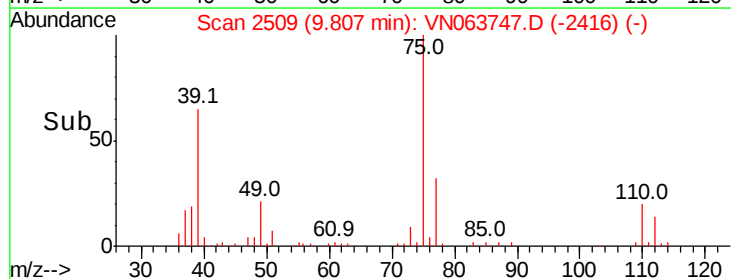
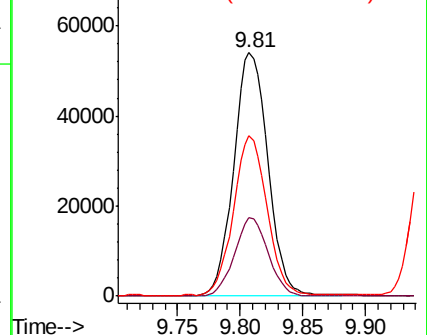
39 65.3 49.7 74.5

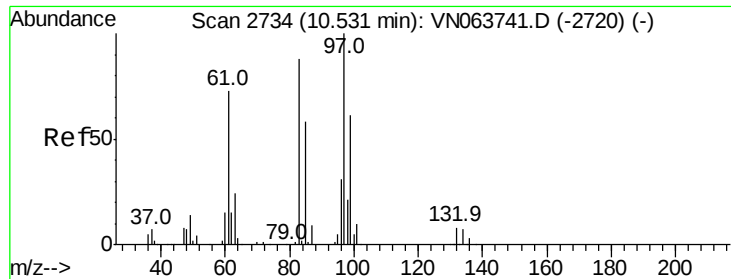


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

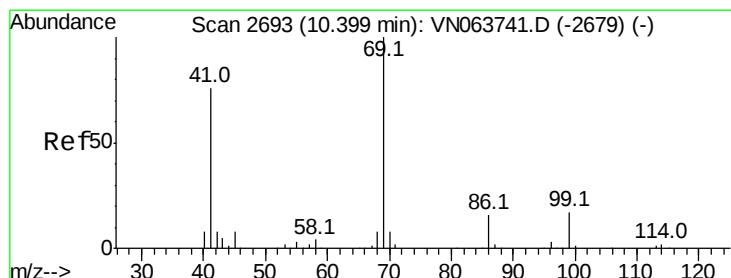
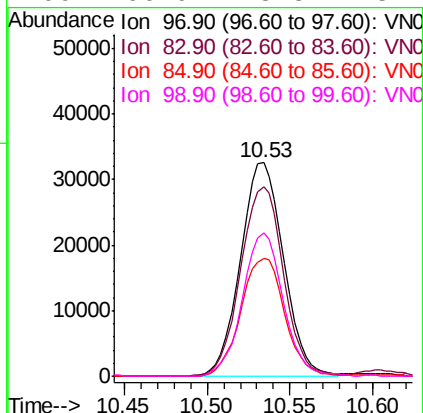
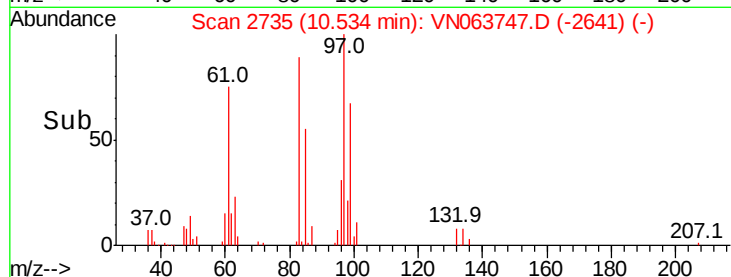
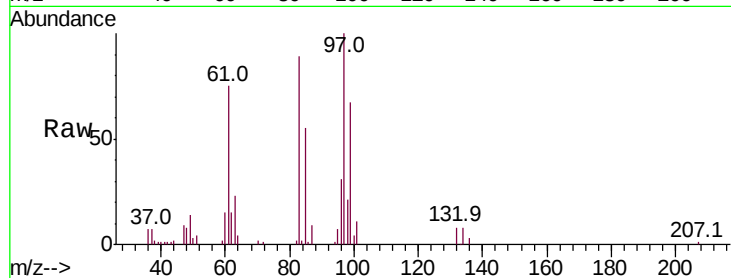




#55
 1,1,2-Trichloroethane
 Concen: 19.376 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

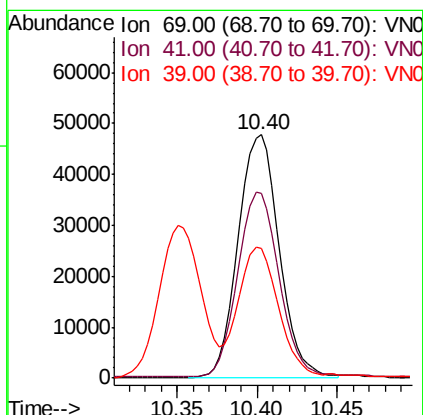
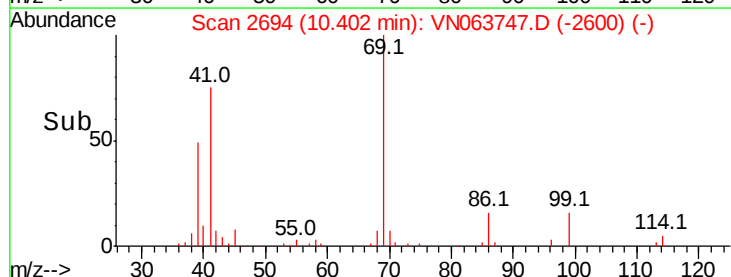
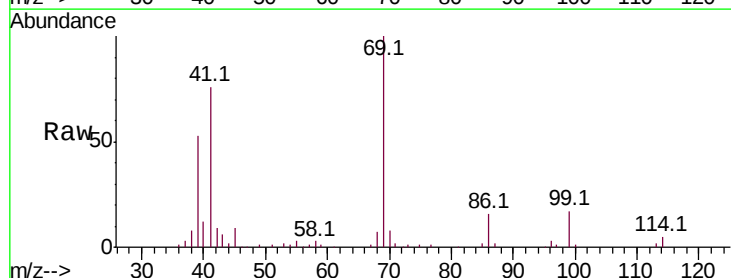
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

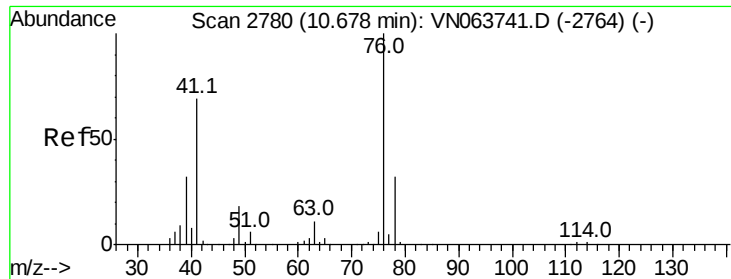
Tot Ion: 97 Resp: 59022
 Ion Ratio Lower Upper
 97 100
 83 88.7 70.7 106.1
 85 54.9 46.1 69.1
 99 66.9 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 19.440 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion: 69 Resp: 83939
 Ion Ratio Lower Upper
 69 100
 41 76.4 61.1 91.7
 39 52.2 42.2 63.4





#57

1,3-Dichloropropane

Concen: 19.615 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

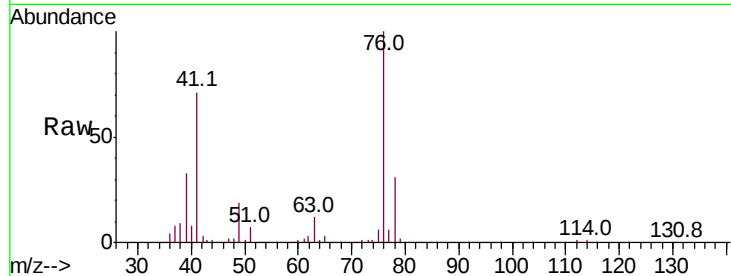
VN0930WBS01

Tot Ion: 76 Resp: 101087

Ion Ratio Lower Upper

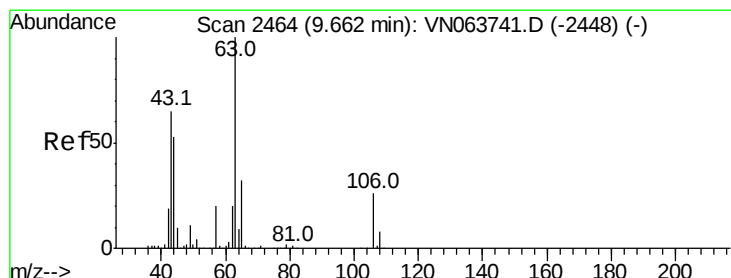
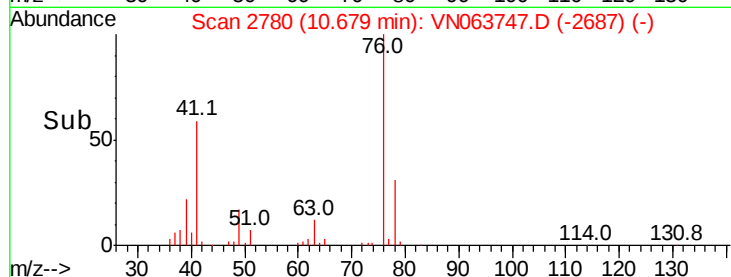
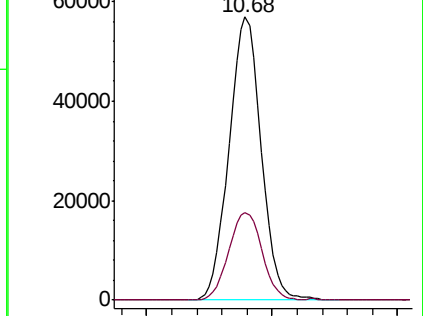
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.539 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063747.D

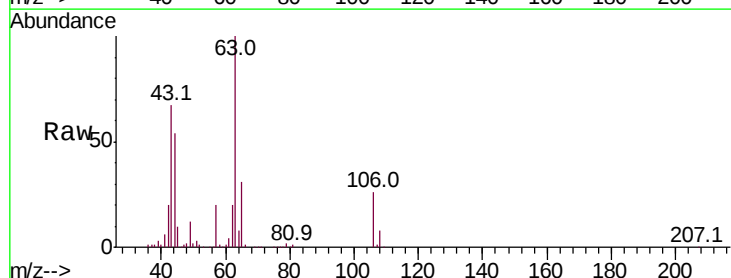
Acq: 30 Sep 2020 14:15

Tgt Ion: 63 Resp: 239137

Ion Ratio Lower Upper

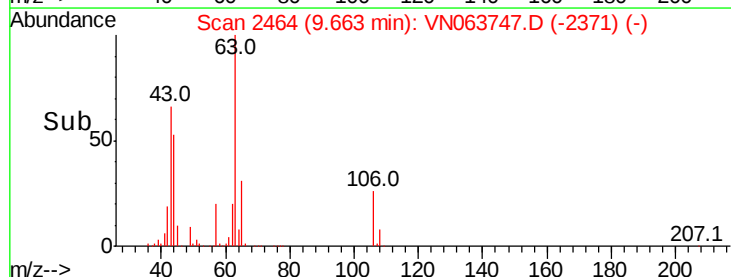
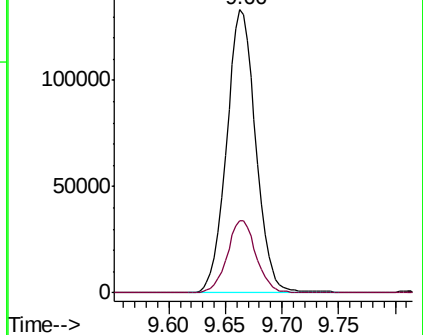
63 100

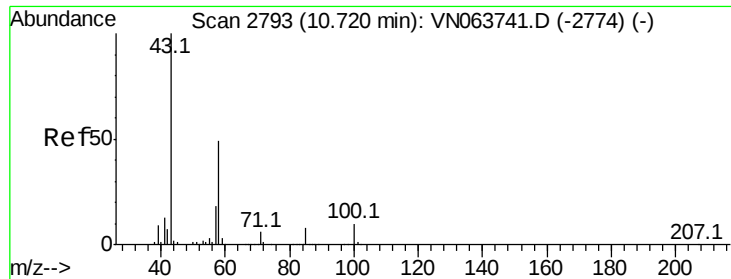
106 25.3 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 99.476 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

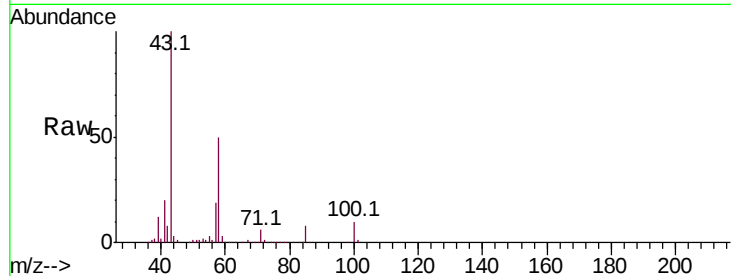
VN0930WBS01

Tot Ion: 43 Resp: 305544

Ion Ratio Lower Upper

43 100

58 49.1 24.6 73.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.72

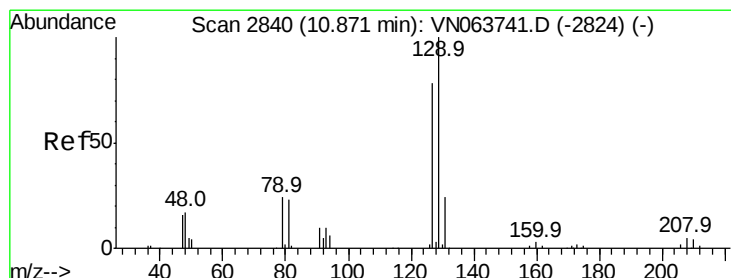
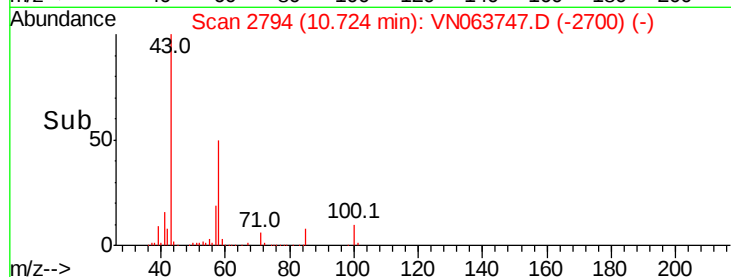
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#60

Dibromochloromethane

Concen: 18.337 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063747.D

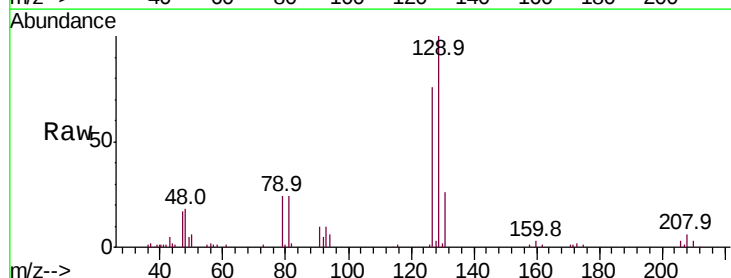
Acq: 30 Sep 2020 14:15

Tgt Ion: 129 Resp: 65051

Ion Ratio Lower Upper

129 100

127 77.5 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.87

40000

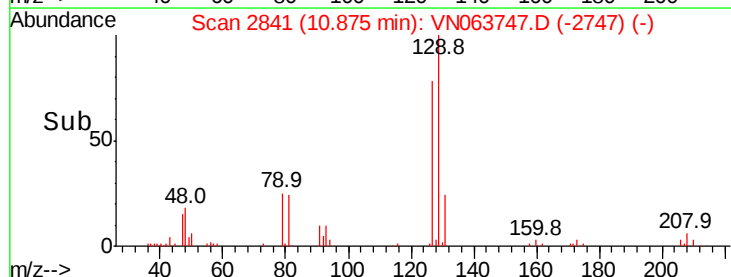
30000

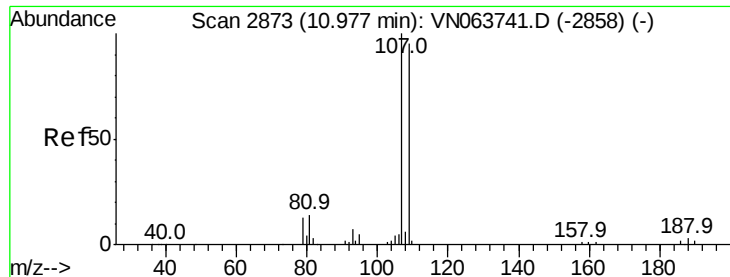
20000

10000

0

Time--> 10.80 10.85 10.90 10.95





#61

1,2-Dibromoethane

Concen: 20.119 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

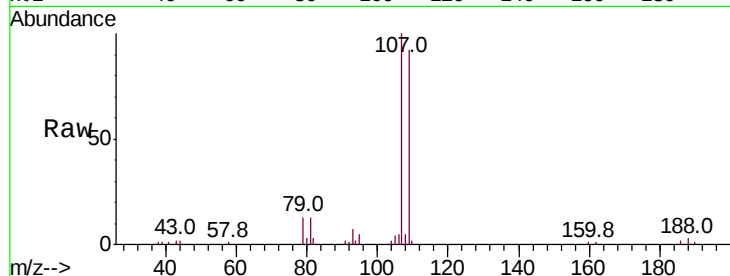
VN0930WBS01

Tot Ion:107 Resp: 62689

Ion Ratio Lower Upper

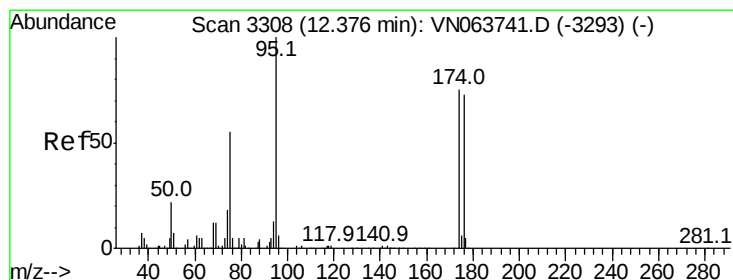
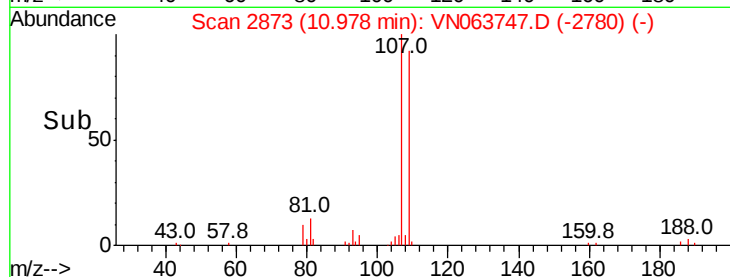
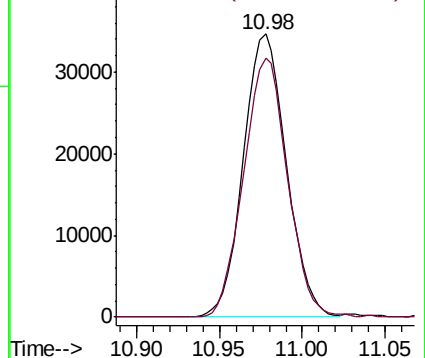
107 100

109 93.2 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.815 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

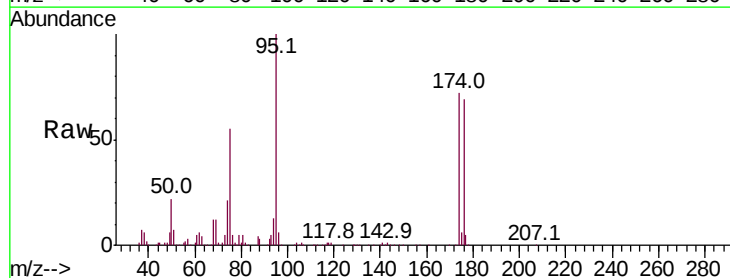
Tgt Ion: 95 Resp: 204840

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.6

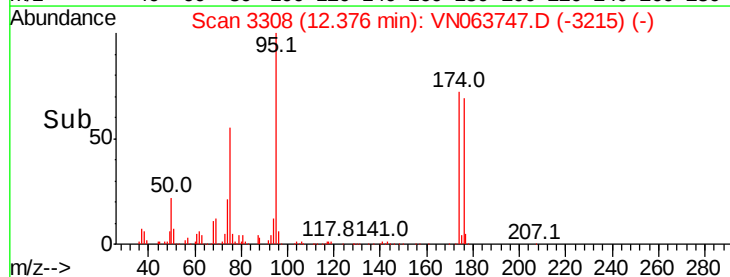
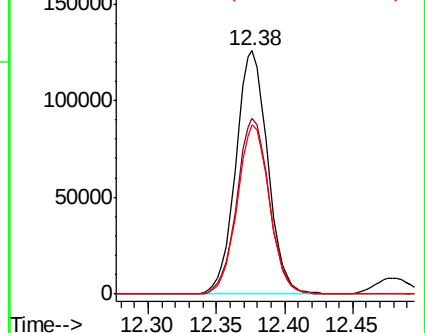
176 69.8 0.0 145.4

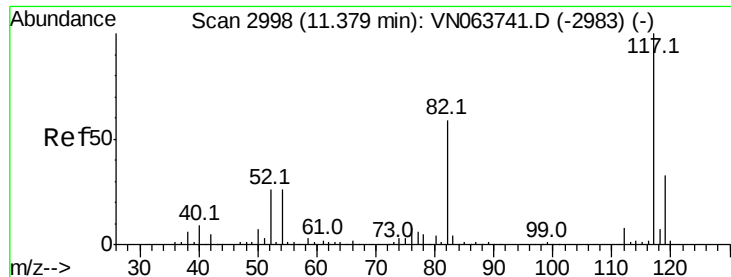


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

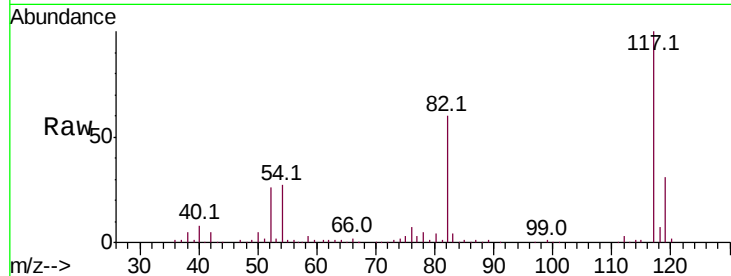




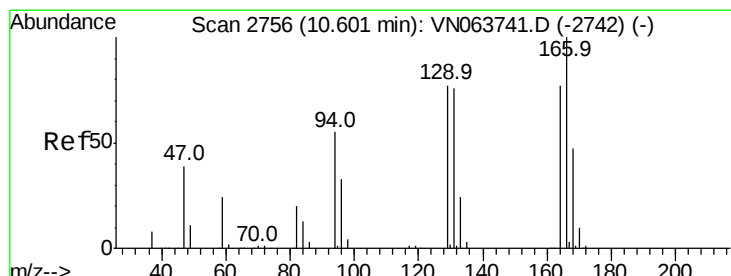
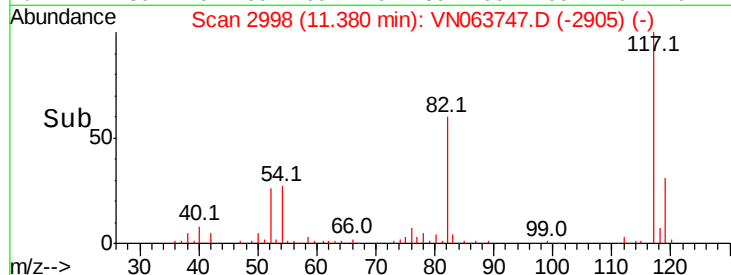
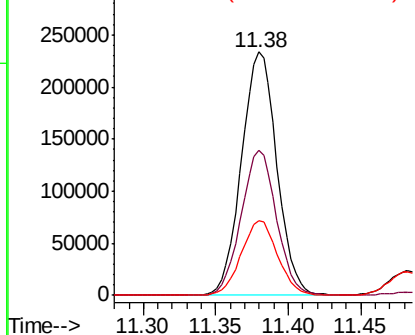
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion:117 Resp: 397322
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 30.9 26.4 39.6

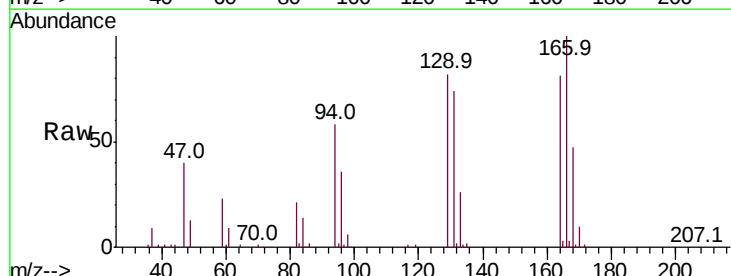


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

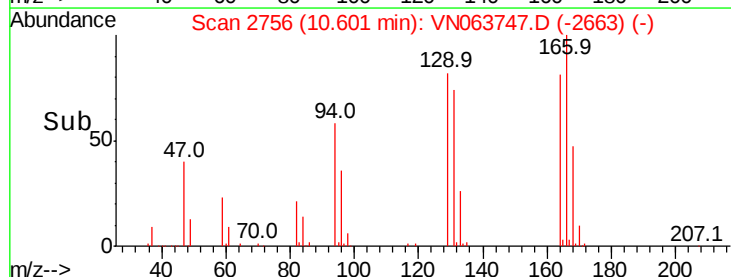
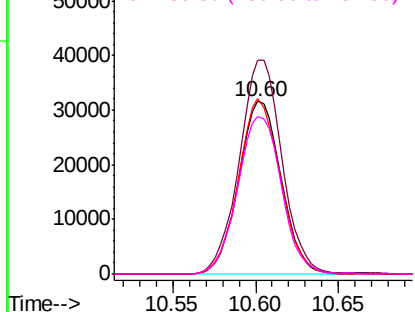


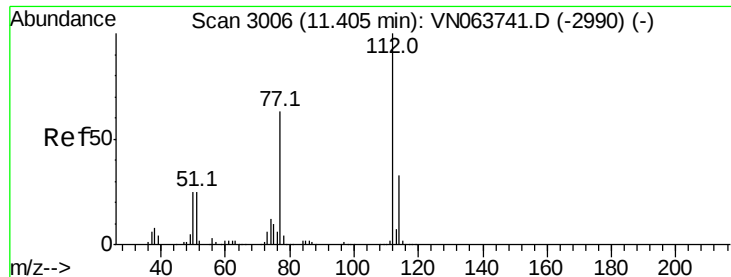
#64
Tetrachloroethene
Concen: 18.325 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion:164 Resp: 56329
Ion Ratio Lower Upper
164 100
166 123.9 103.9 155.9
129 101.6 80.3 120.5
131 91.3 78.9 118.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.344 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

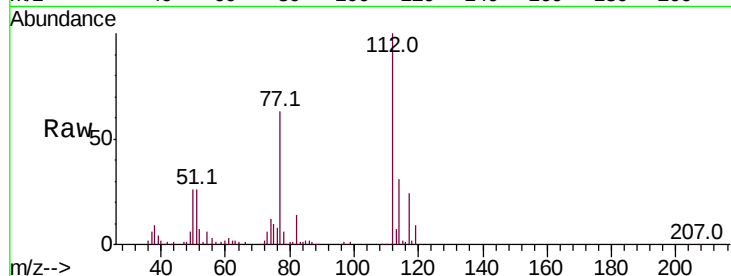
VN0930WBS01

Tot Ion:112 Resp: 157658

Ion Ratio Lower Upper

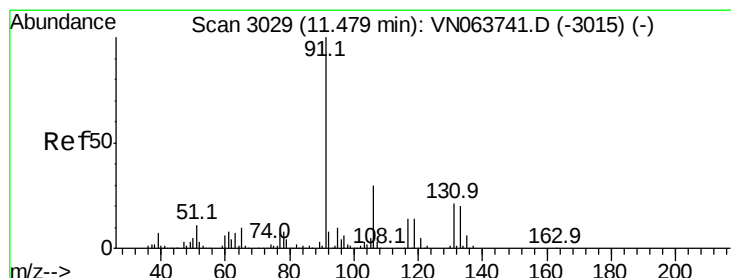
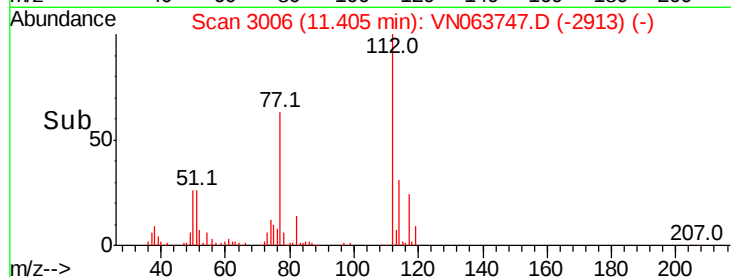
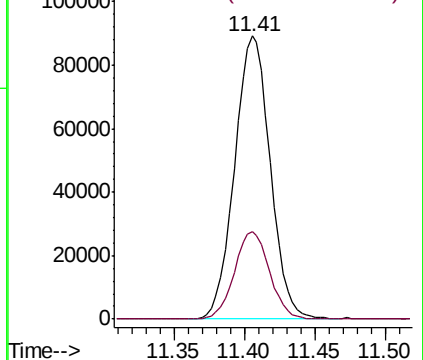
112 100

114 30.8 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.961 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

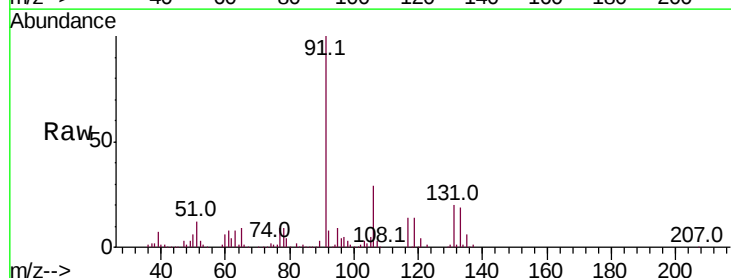
Tgt Ion:131 Resp: 59245

Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.8

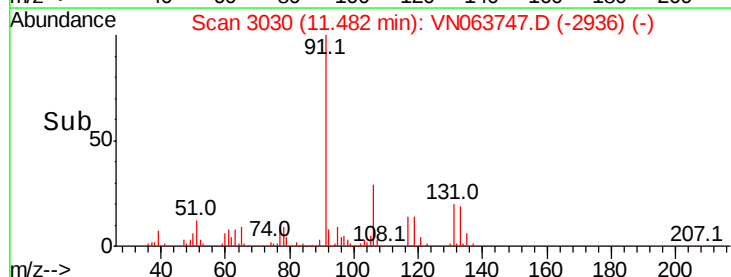
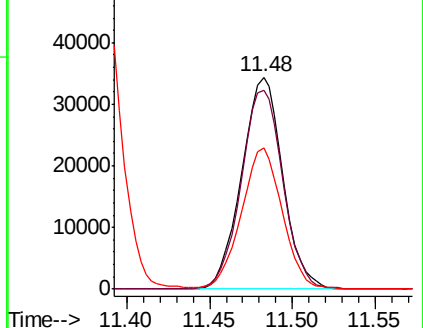
119 66.6 32.6 97.7

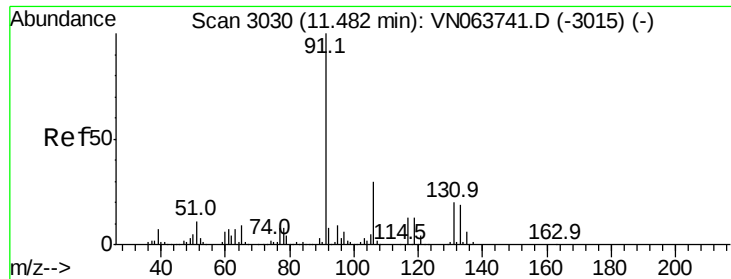


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

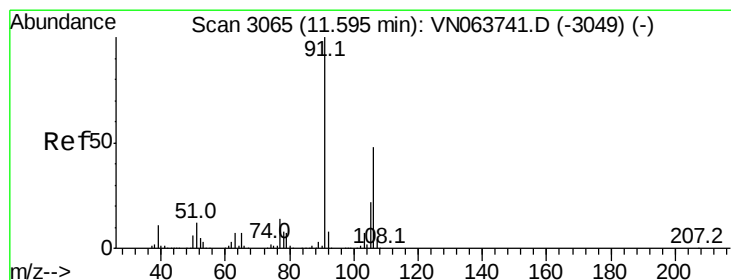
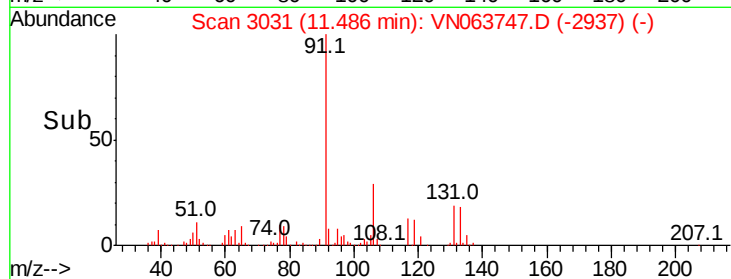
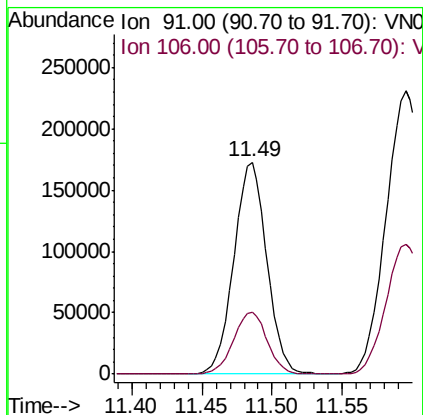
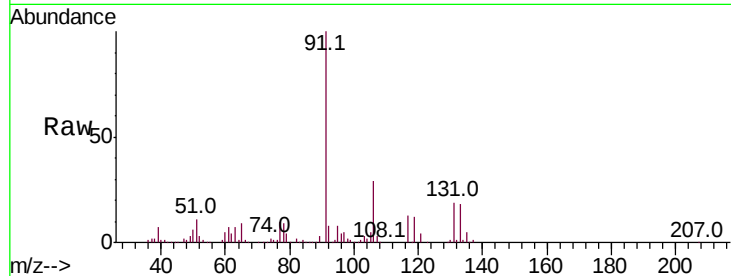




#67
Ethyl Benzene
Concen: 19.099 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

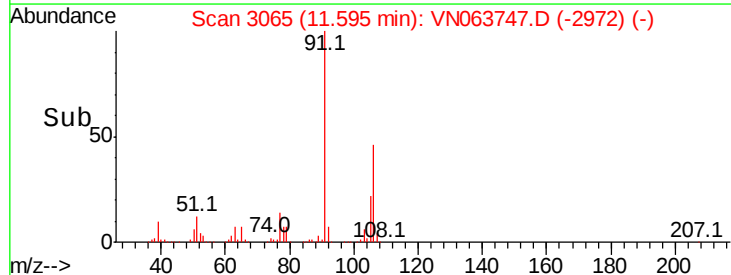
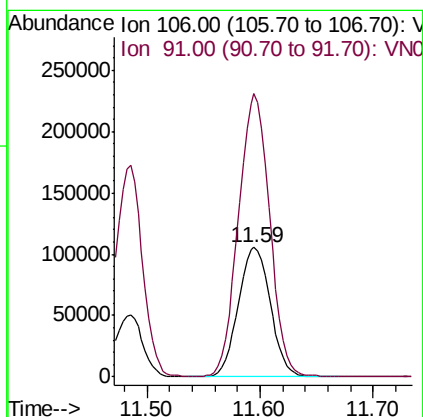
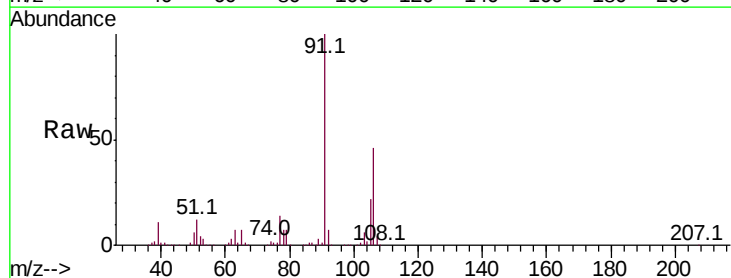
Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

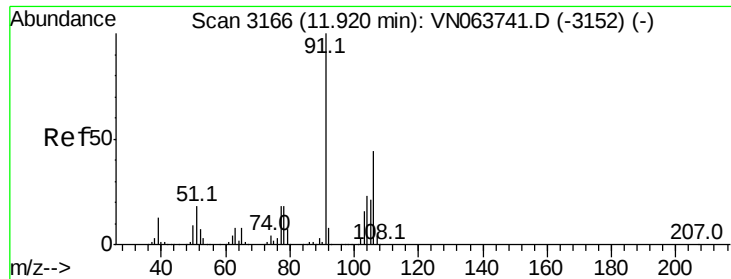
Tot Ion: 91 Resp: 283254
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.2



#68
m/p-Xylenes
Concen: 37.804 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 106 Resp: 208956
Ion Ratio Lower Upper
106 100
91 213.0 168.0 252.0

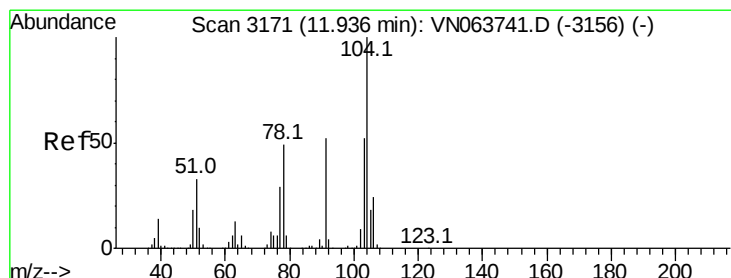
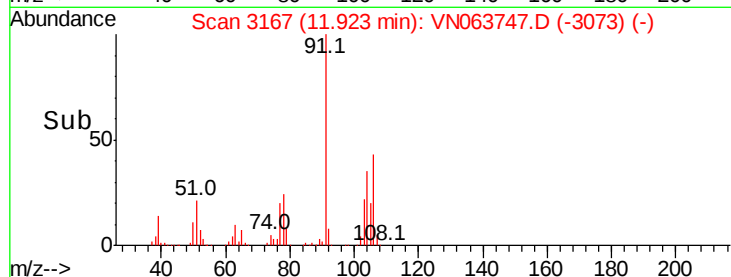
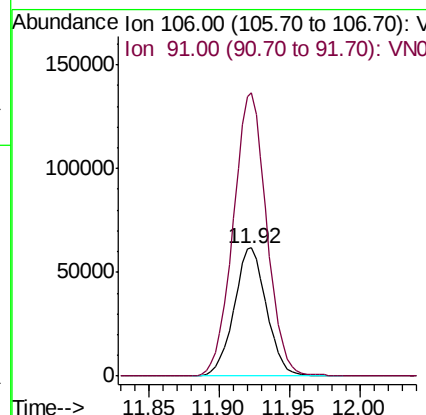
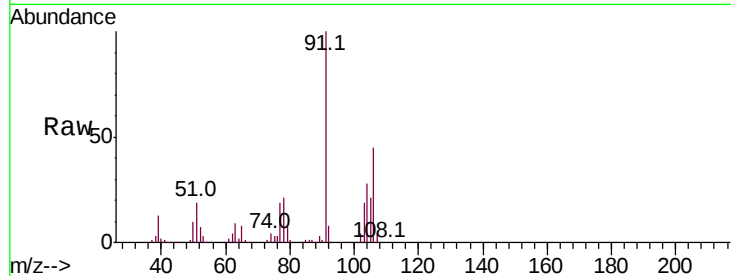




#69
o-Xylene
Concen: 19.251 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

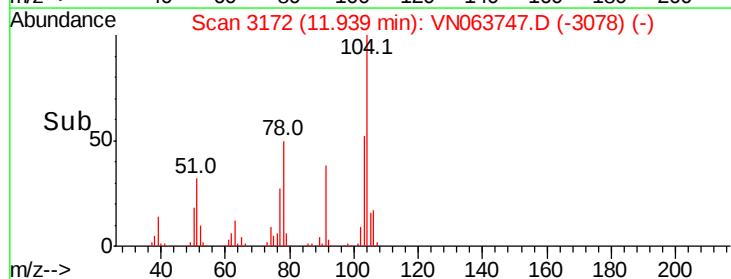
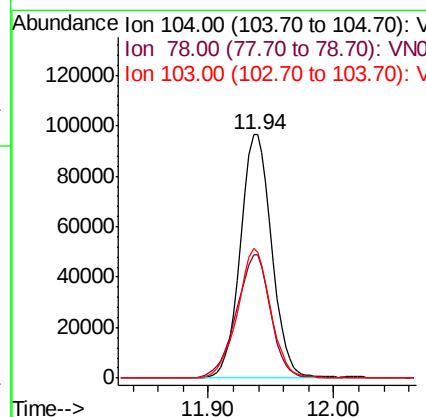
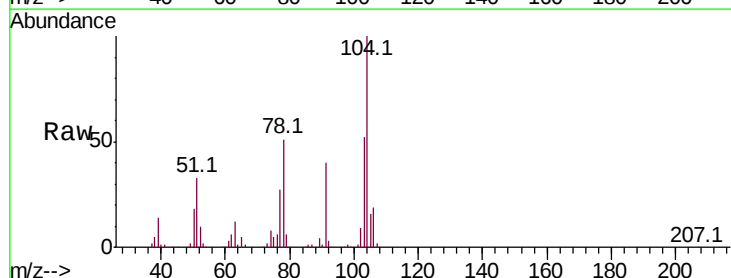
Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

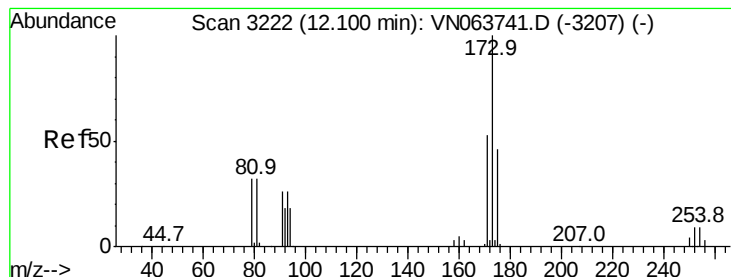
Tot Ion:106 Resp: 99455
Ion Ratio Lower Upper
106 100
91 227.3 112.7 338.0



#70
Styrene
Concen: 19.155 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion:104 Resp: 167979
Ion Ratio Lower Upper
104 100
78 55.4 44.1 66.1
103 55.7 44.3 66.5





#71

Bromoform

Concen: 18.197 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

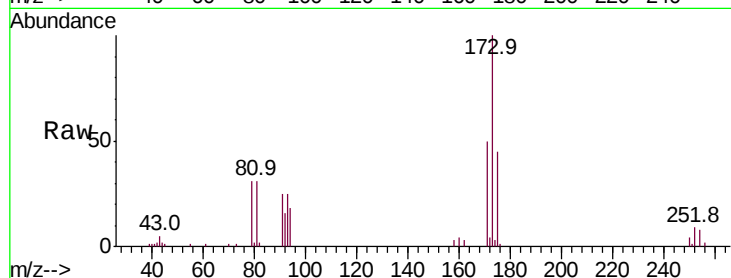
Tot Ion:173 Resp: 43487

Ion Ratio Lower Upper

173 100

175 46.4 23.5 70.5

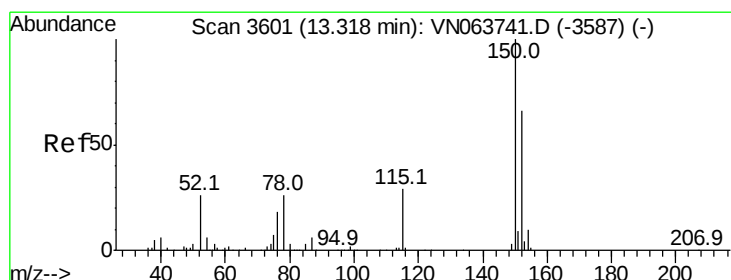
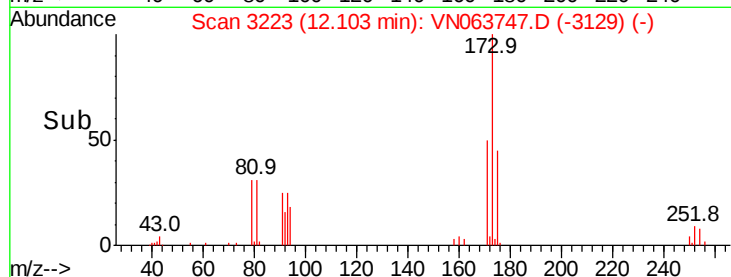
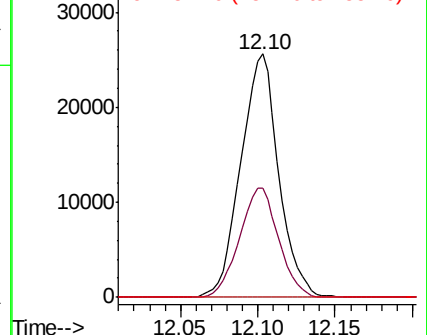
254 0.0 0.0 0.0



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: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

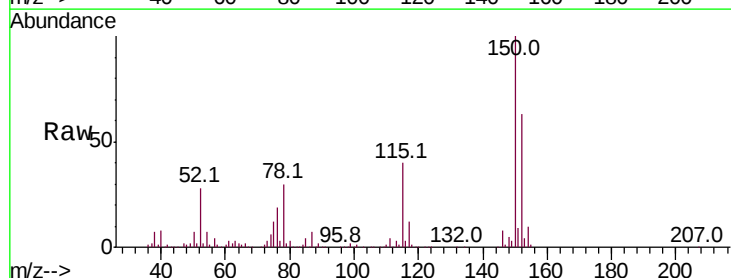
Tgt Ion:152 Resp: 188664

Ion Ratio Lower Upper

152 100

115 62.9 31.3 93.8

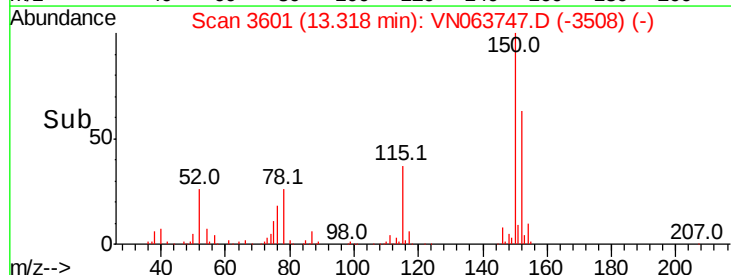
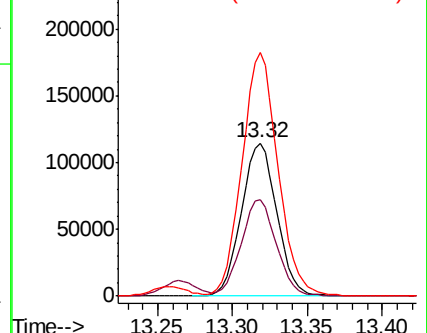
150 161.2 0.0 341.8

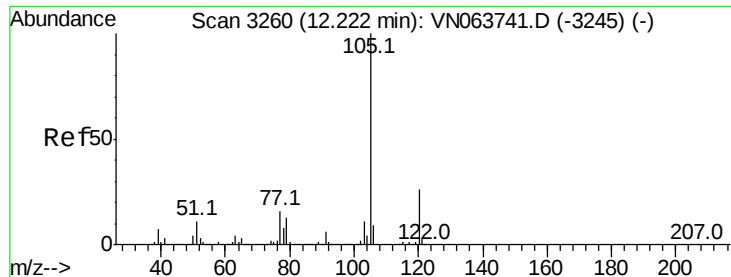


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.047 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

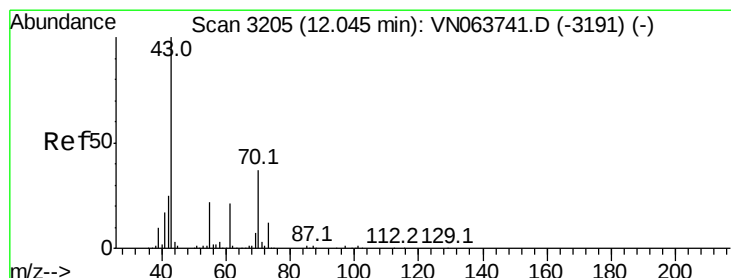
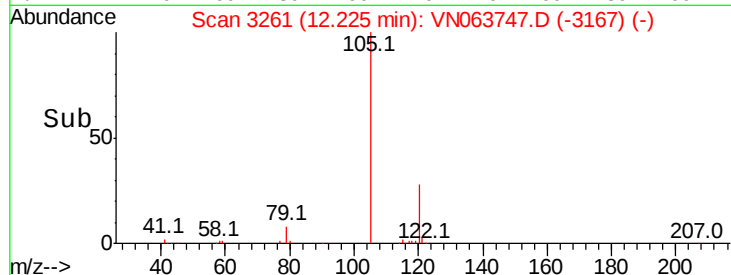
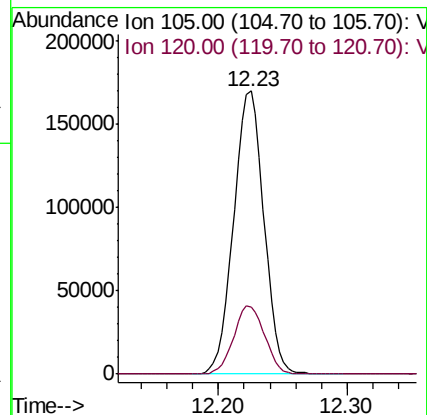
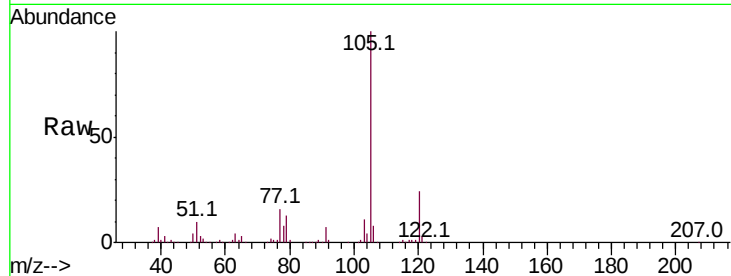
VN0930WBS01

Tot Ion:105 Resp: 275864

Ion Ratio Lower Upper

105 100

120 24.8 12.6 37.8



#74

N-ethyl acetate

Concen: 19.873 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Tgt Ion: 43 Resp: 118169

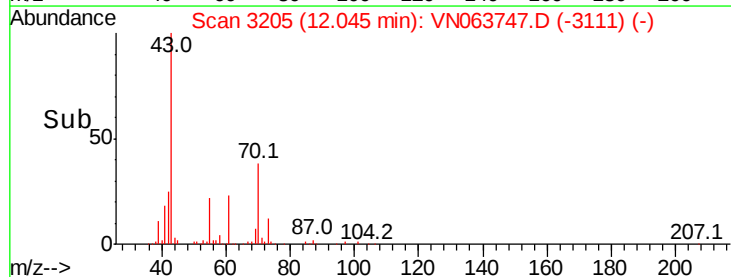
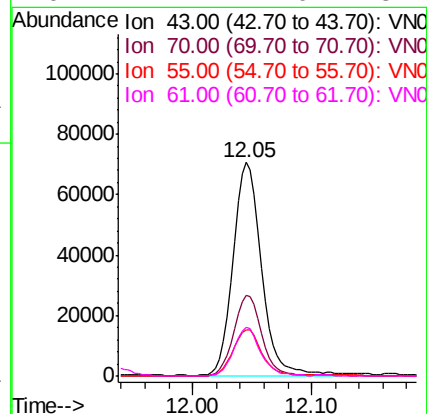
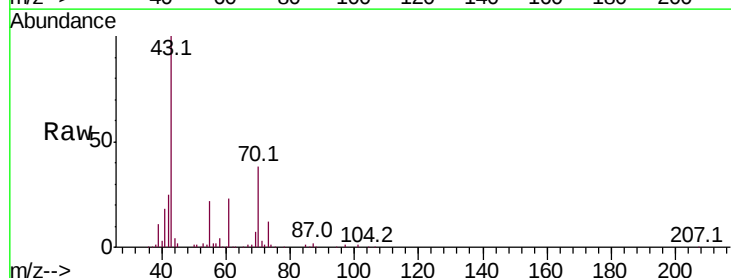
Ion Ratio Lower Upper

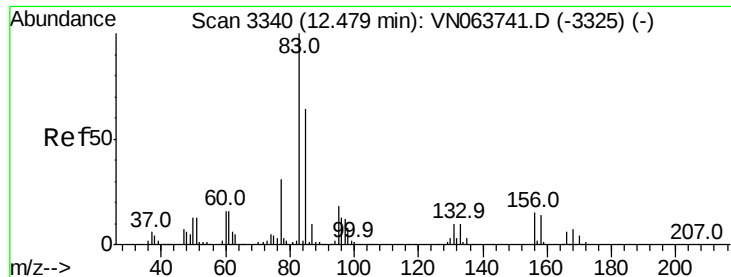
43 100

70 36.5 29.8 44.8

55 21.8 17.9 26.9

61 21.4 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.988 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

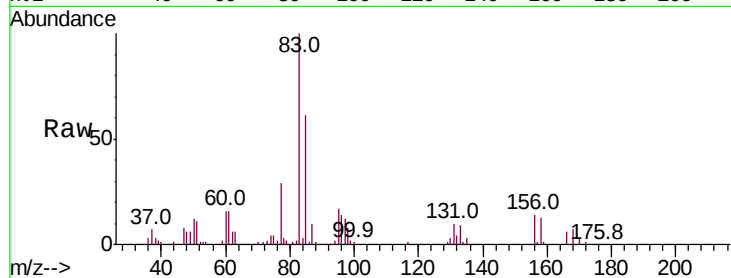
Tot Ion: 83 Resp: 84110

Ion Ratio Lower Upper

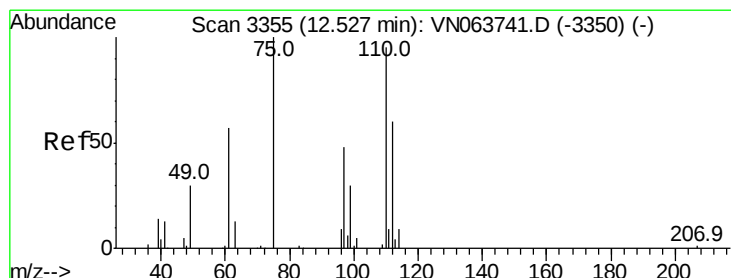
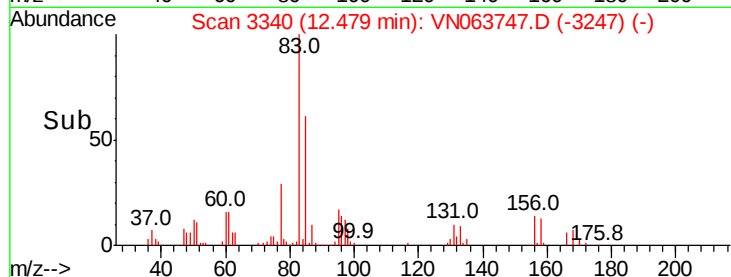
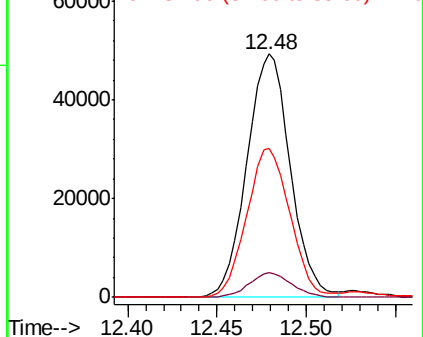
83 100

131 9.9 5.3 15.8

85 61.1 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.321 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063747.D

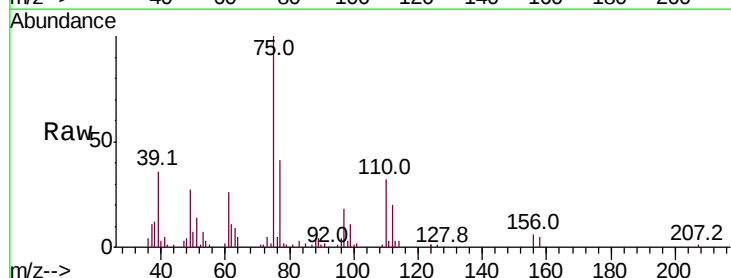
Acq: 30 Sep 2020 14:15

Tgt Ion: 75 Resp: 117786

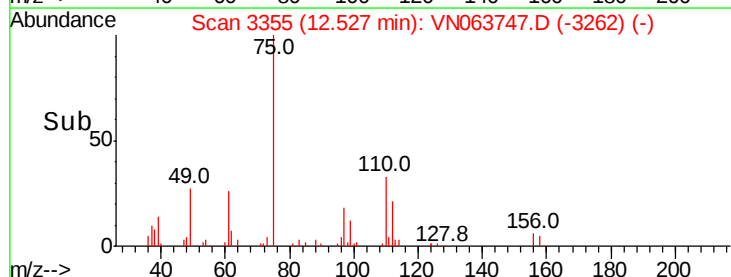
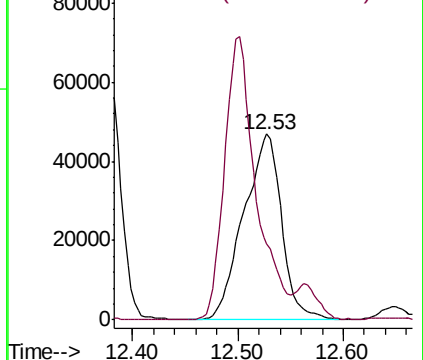
Ion Ratio Lower Upper

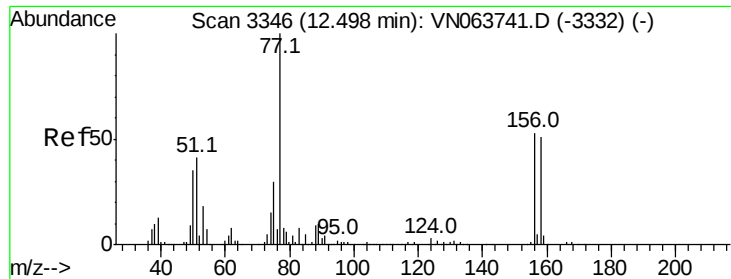
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.560 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

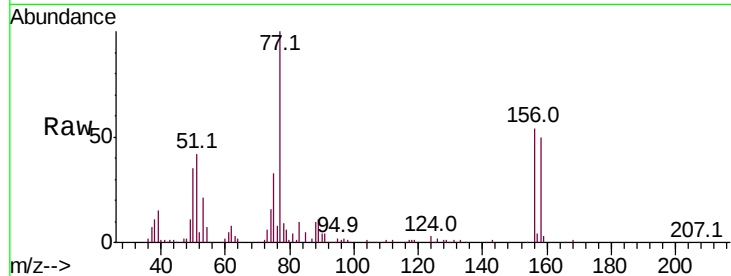
Tot Ion:156 Resp: 66048

Ion Ratio Lower Upper

156 100

77 223.8 110.9 332.7

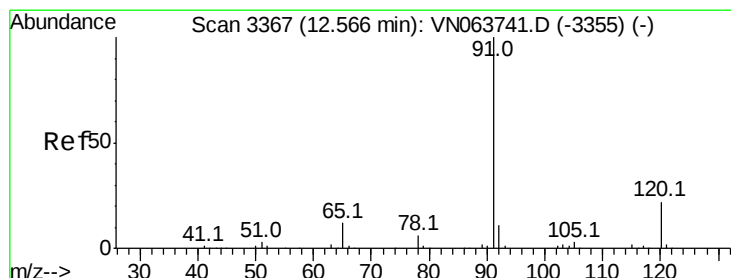
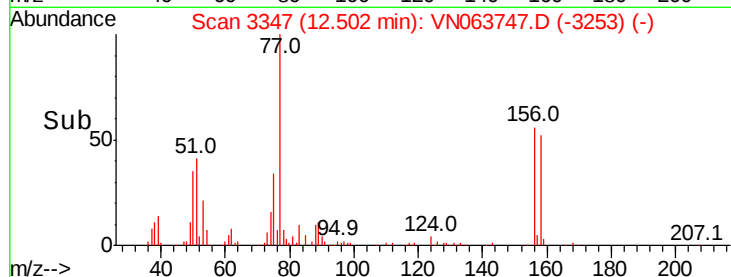
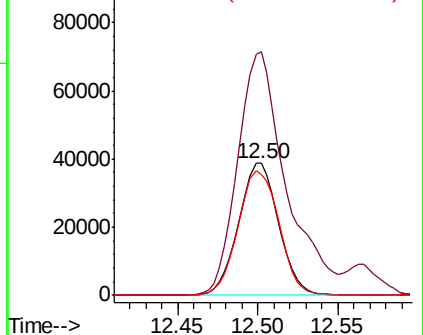
158 96.8 47.7 143.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.312 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063747.D

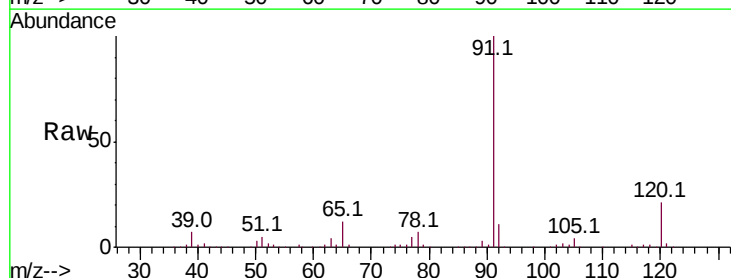
Acq: 30 Sep 2020 14:15

Tgt Ion: 91 Resp: 309283

Ion Ratio Lower Upper

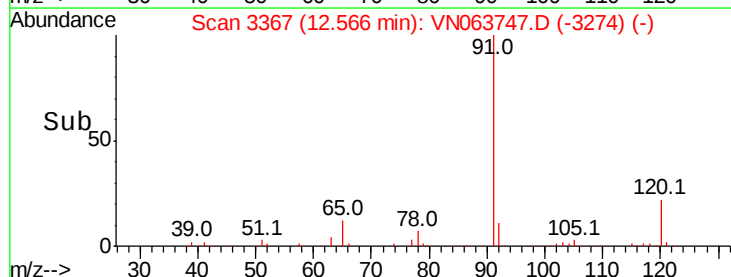
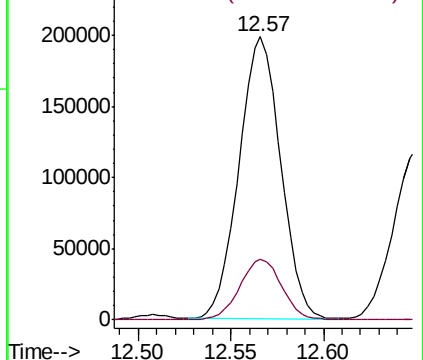
91 100

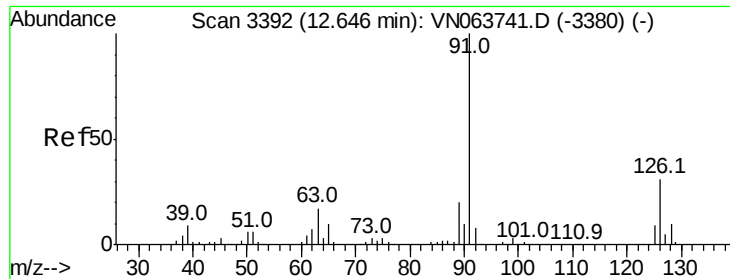
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

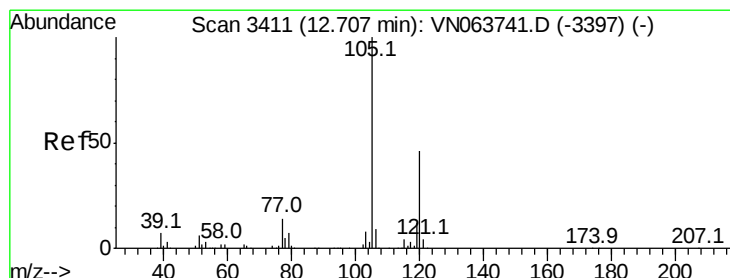
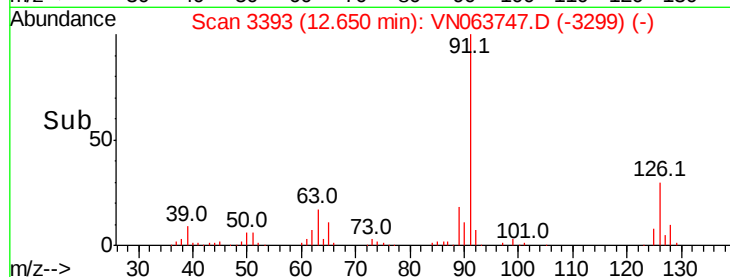
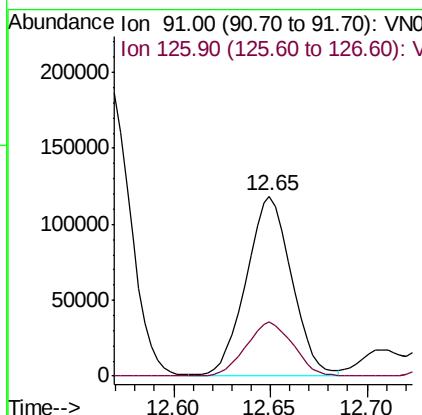
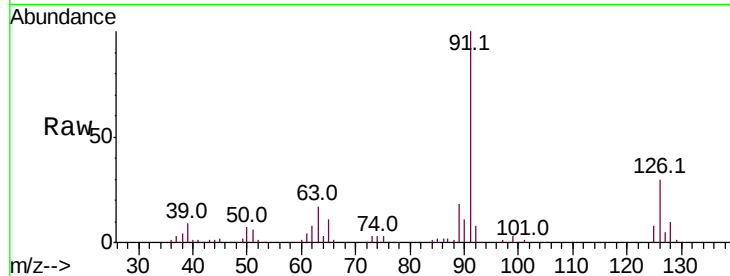




#79
 2-Chlorotoluene
 Concen: 19.467 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

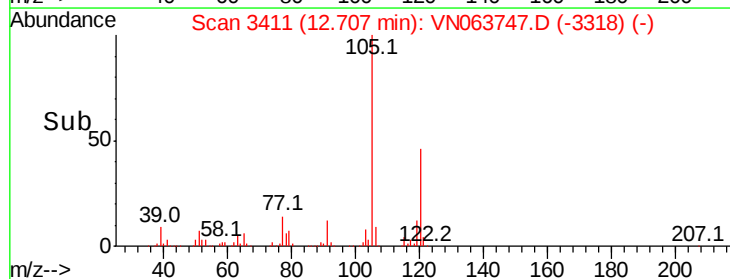
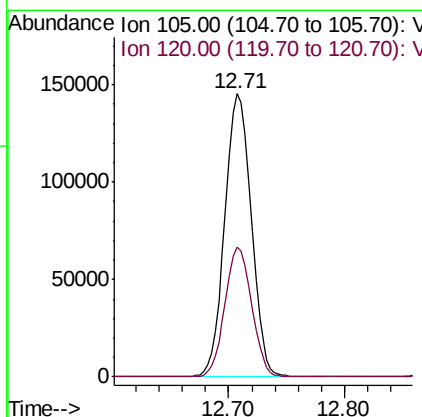
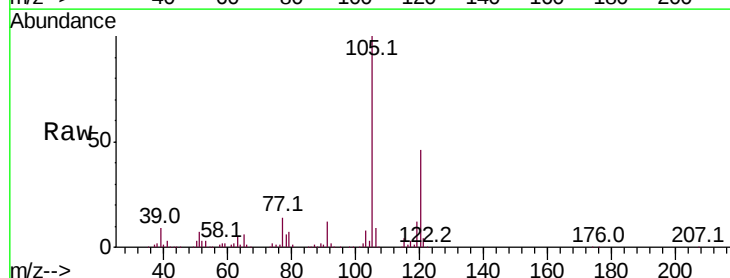
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

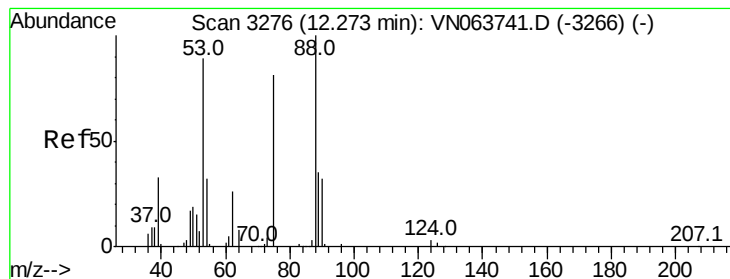
Tot Ion: 91 Resp: 191736
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.902 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion:105 Resp: 229768
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.068 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

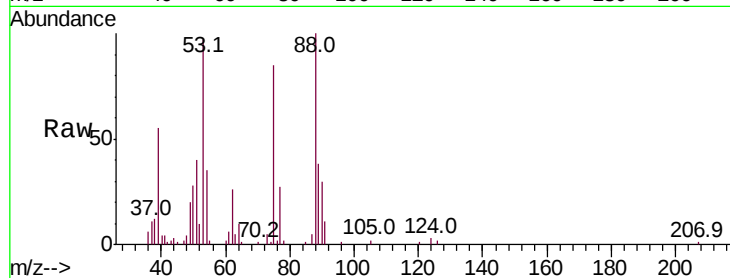
Tot Ion: 75 Resp: 27534

Ion Ratio Lower Upper

75 100

53 121.1 88.2 132.2

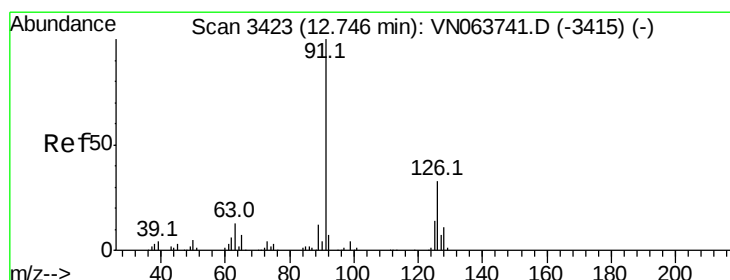
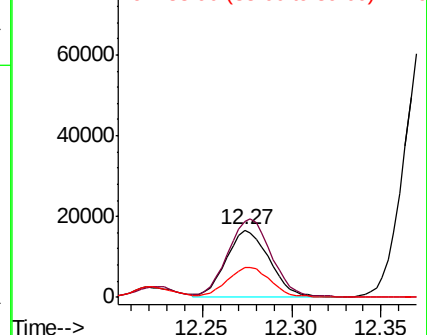
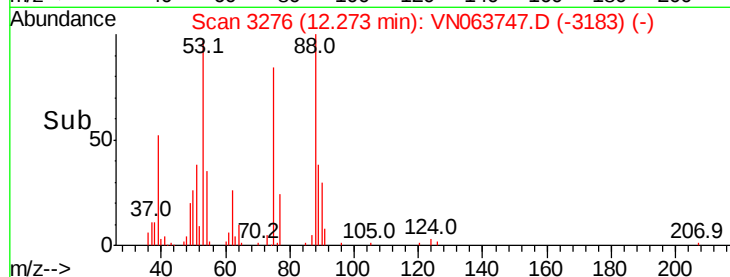
89 46.1 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.607 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063747.D

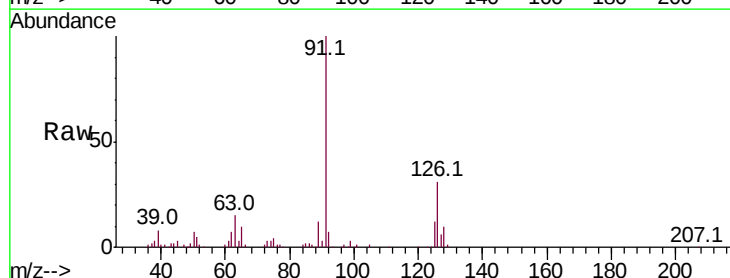
Acq: 30 Sep 2020 14:15

Tgt Ion: 91 Resp: 200475

Ion Ratio Lower Upper

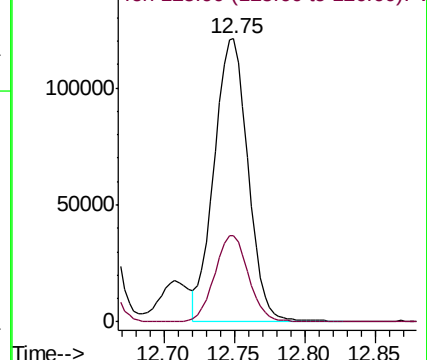
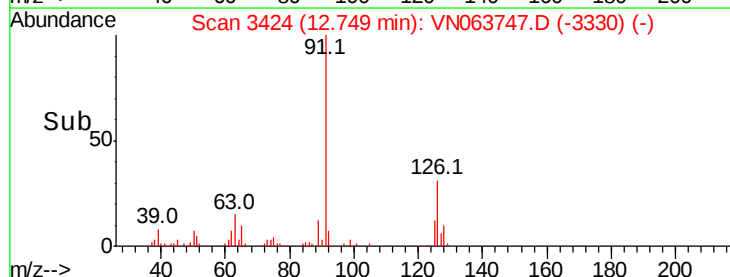
91 100

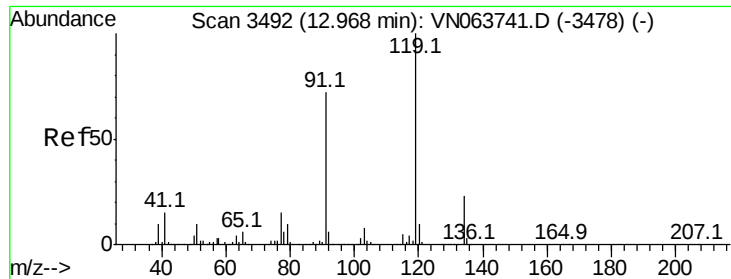
126 30.6 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

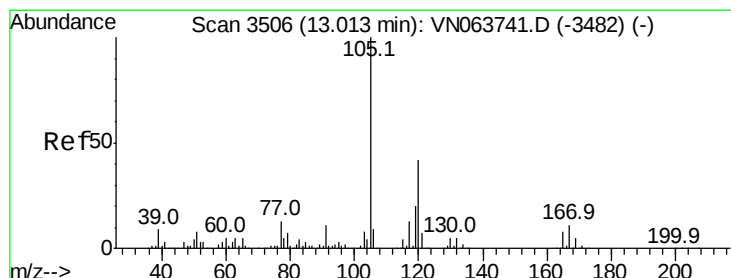
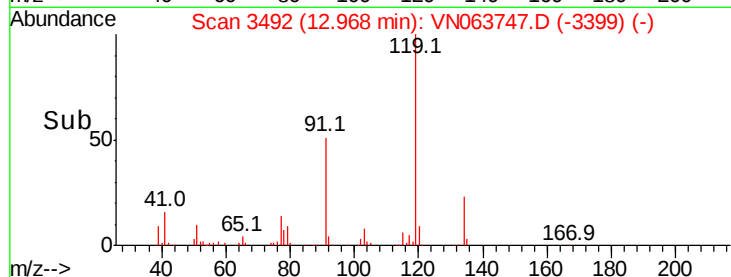
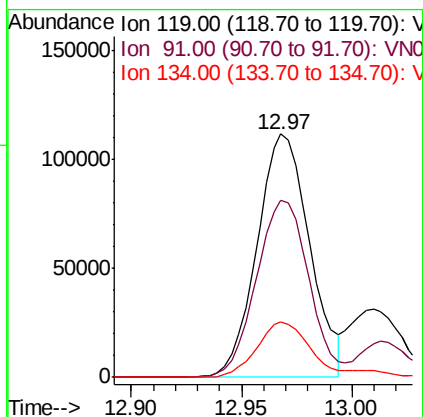
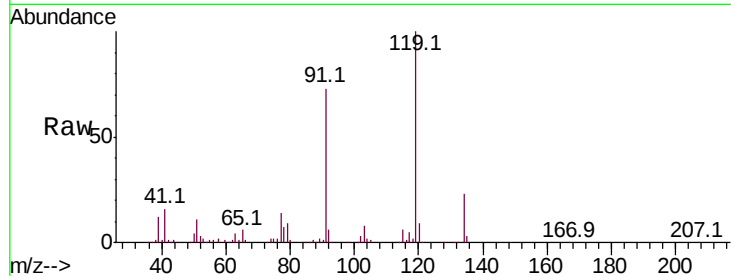




#83
tert-Butylbenzene
Concen: 19.501 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

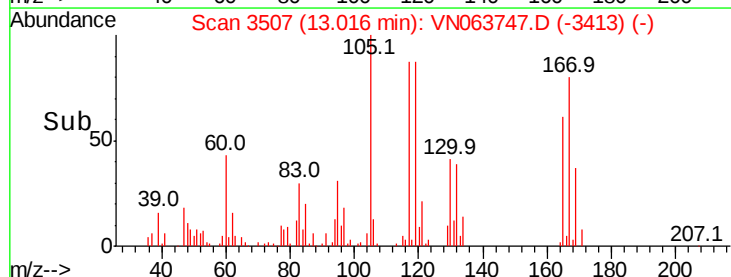
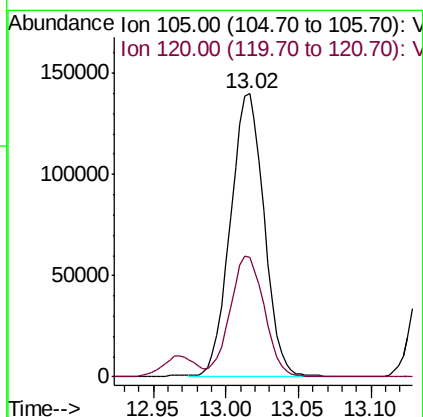
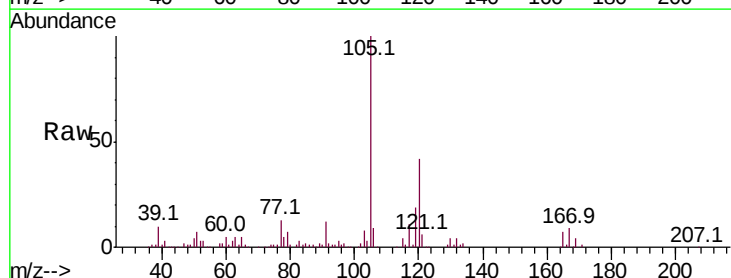
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

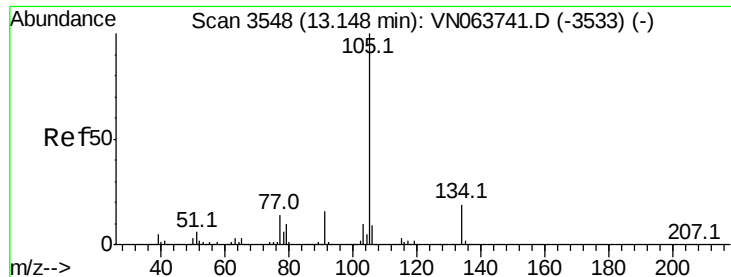
Tot Ion:119 Resp: 184157
Ion Ratio Lower Upper
119 100
91 73.0 35.5 106.5
134 22.8 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 19.447 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion:105 Resp: 224151
Ion Ratio Lower Upper
105 100
120 43.2 20.9 62.7





#85

sec-Butylbenzene

Concen: 19.594 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

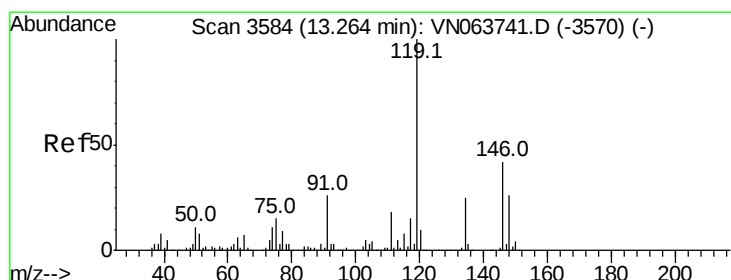
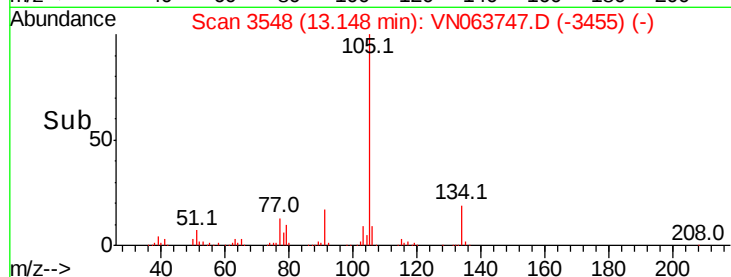
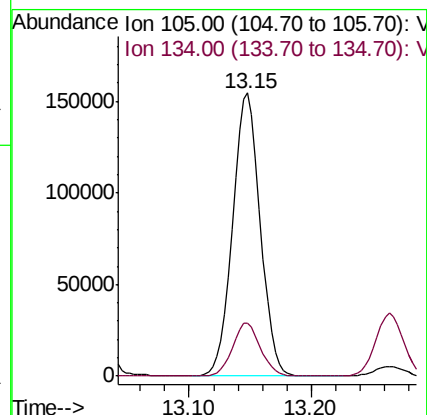
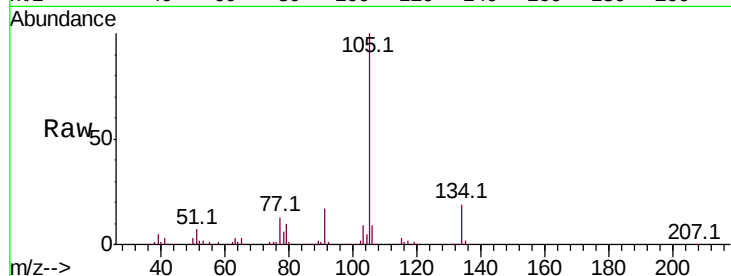
VN0930WBS01

Tot Ion:105 Resp: 243029

Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5



#86

p-Isopropyltoluene

Concen: 19.738 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

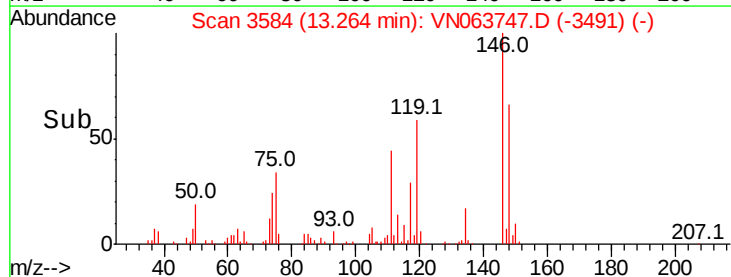
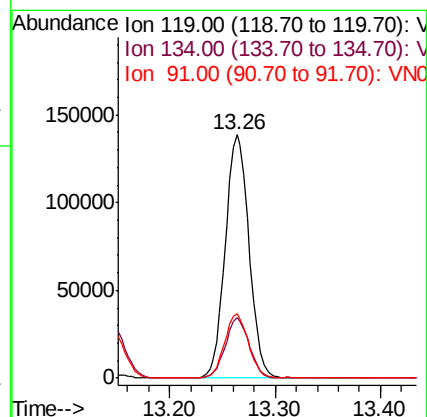
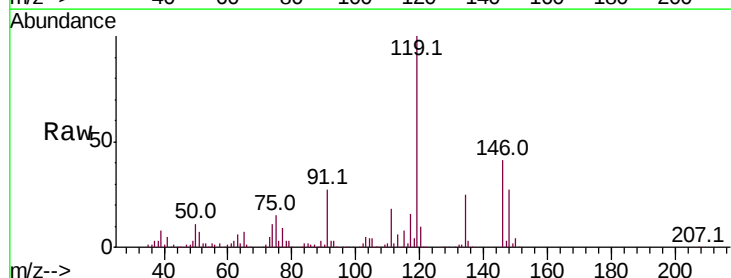
Tgt Ion:119 Resp: 216580

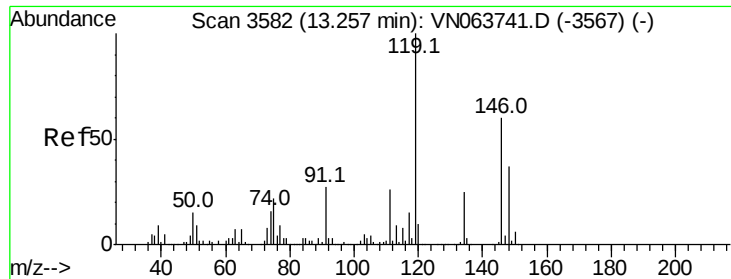
Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.8

91 26.4 13.4 40.2

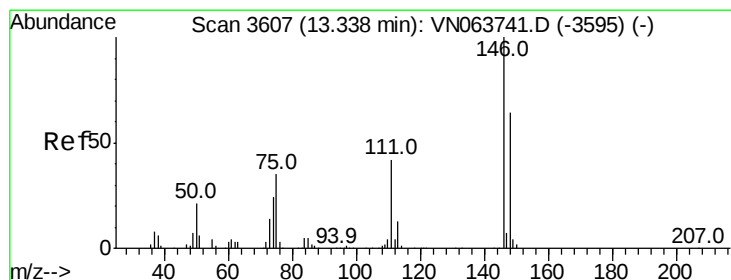
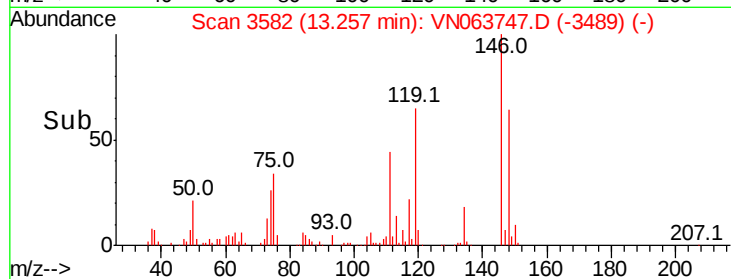
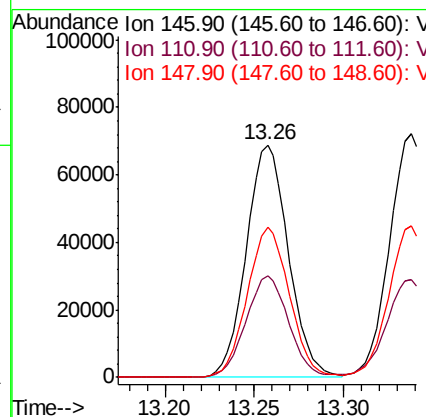
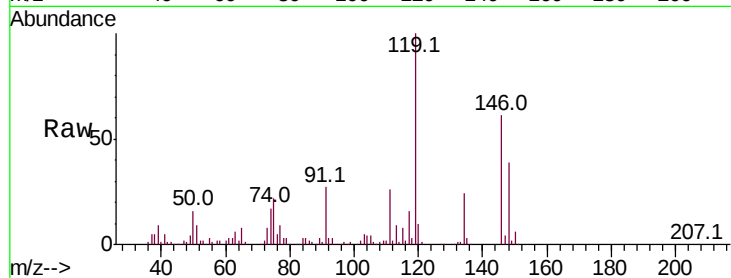




#87
 1,3-Dichlorobenzene
 Concen: 18.660 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

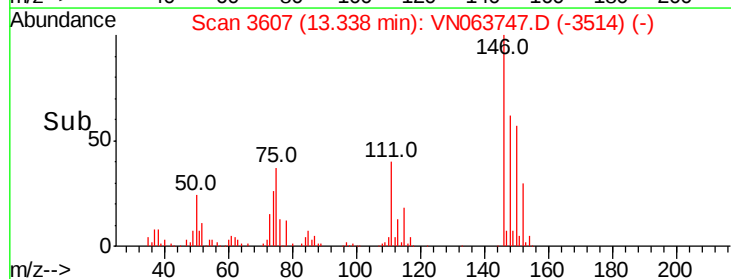
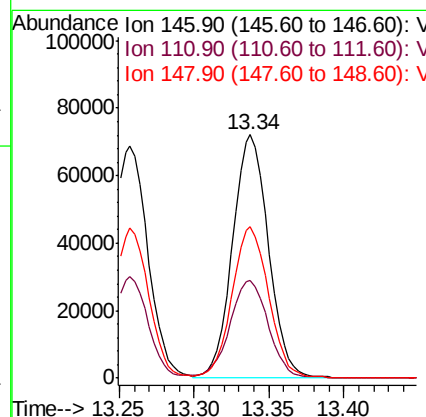
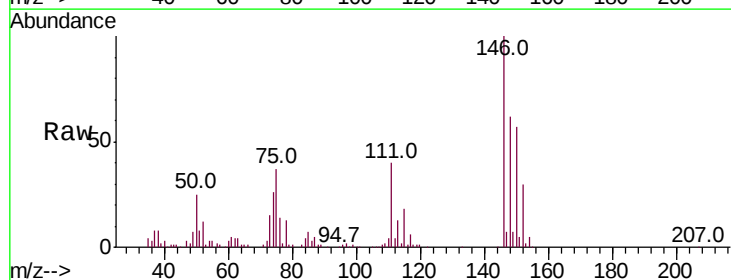
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

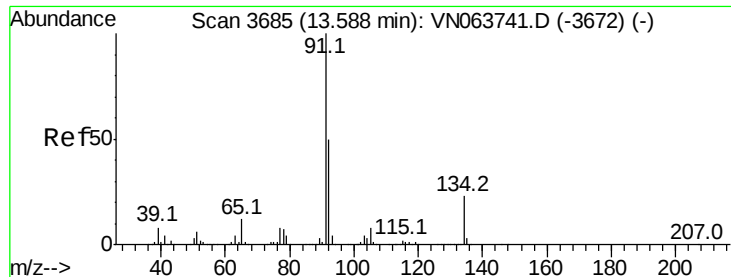
Tot Ion:146 Resp: 113990
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.5 64.5
 148 64.8 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 18.839 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion:146 Resp: 119826
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.3 63.7
 148 64.0 32.0 96.0

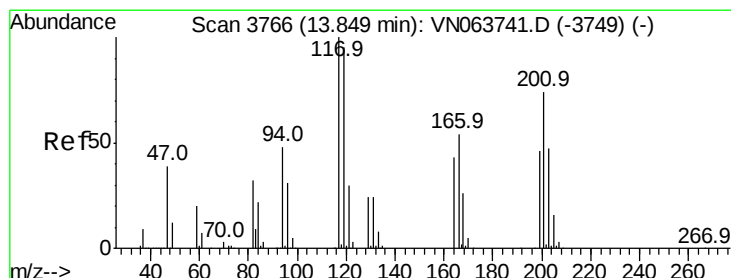
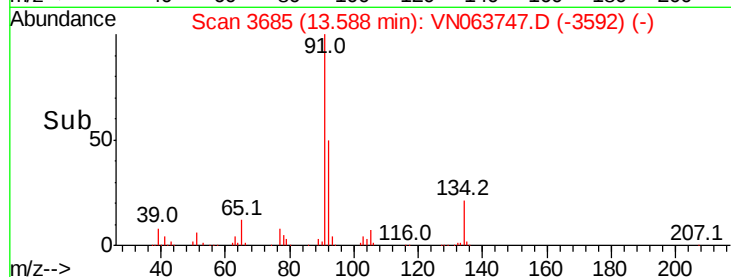
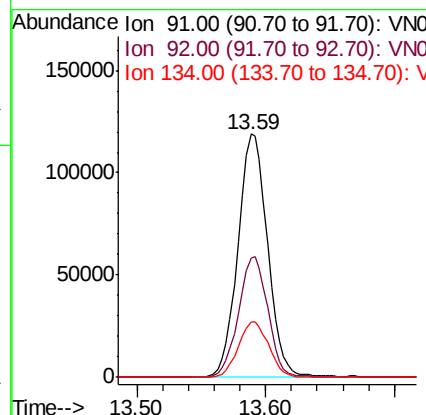
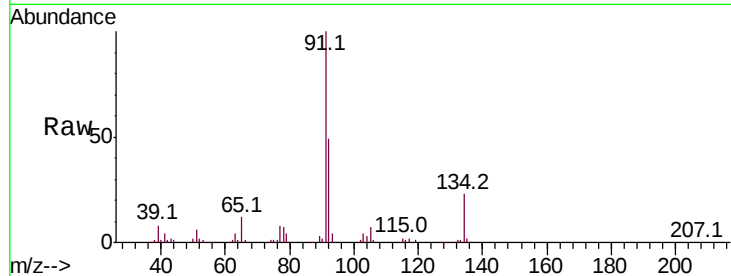




#89
n-Butylbenzene
Concen: 18.833 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

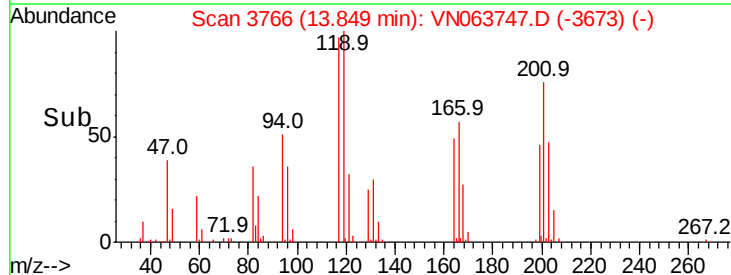
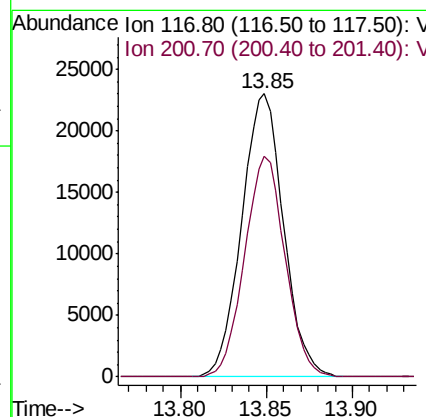
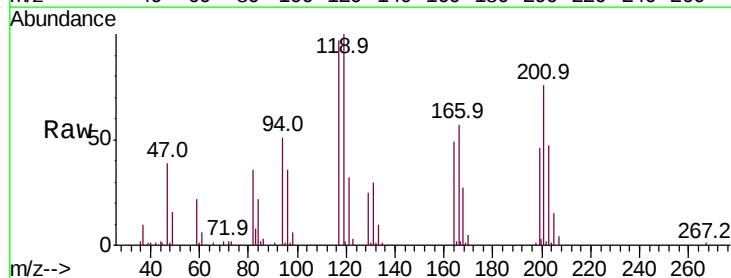
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

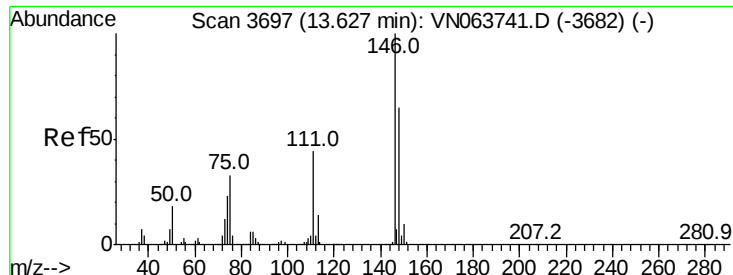
Tot Ion: 91 Resp: 190726
Ion Ratio Lower Upper
91 100
92 48.8 25.4 76.4
134 23.1 11.7 35.1



#90
Hexachloroethane
Concen: 18.243 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion: 117 Resp: 38790
Ion Ratio Lower Upper
117 100
201 75.3 36.0 108.0





#91

1,2-Dichlorobenzene

Concen: 19.146 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

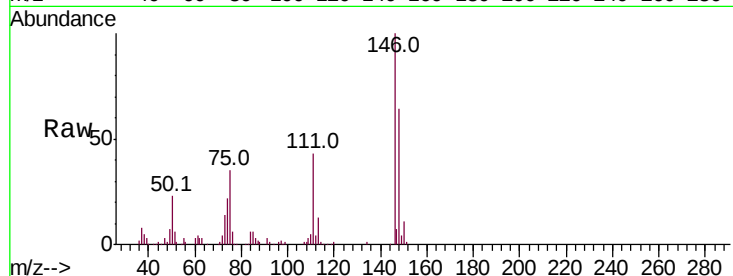
Tot Ion:146 Resp: 115843

Ion Ratio Lower Upper

146 100

111 42.4 22.2 66.6

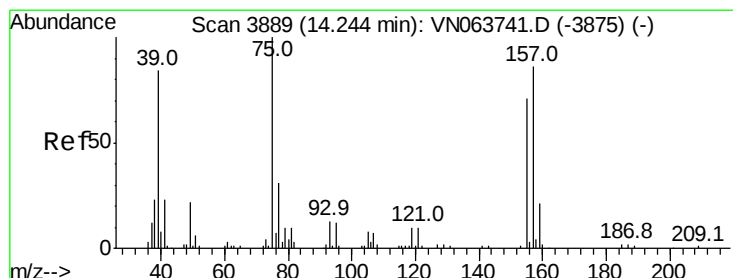
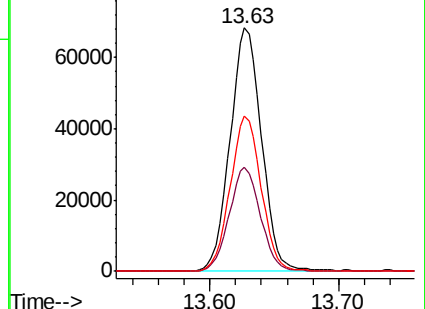
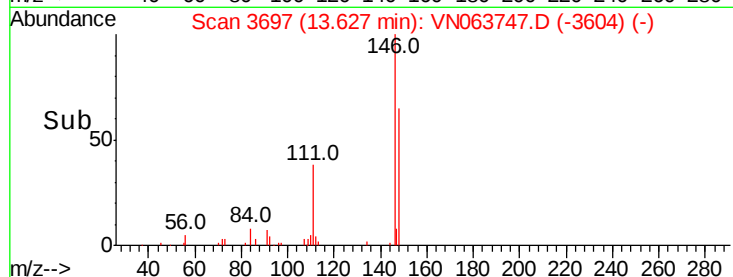
148 62.5 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.195 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063747.D

Acq: 30 Sep 2020 14:15

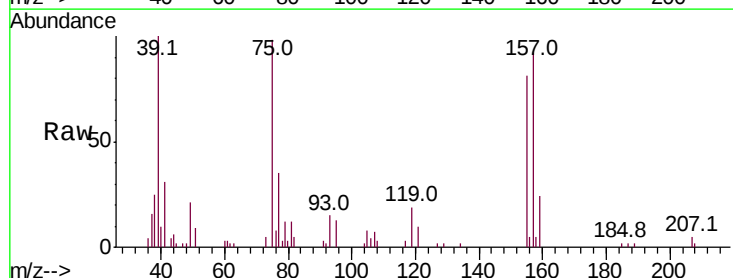
Tgt Ion: 75 Resp: 18943

Ion Ratio Lower Upper

75 100

155 73.0 34.8 104.5

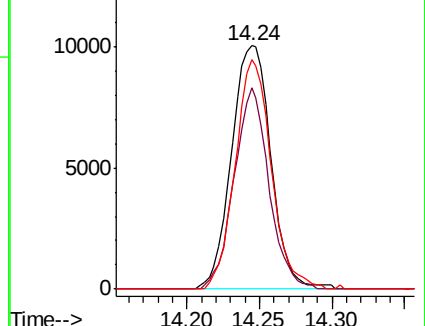
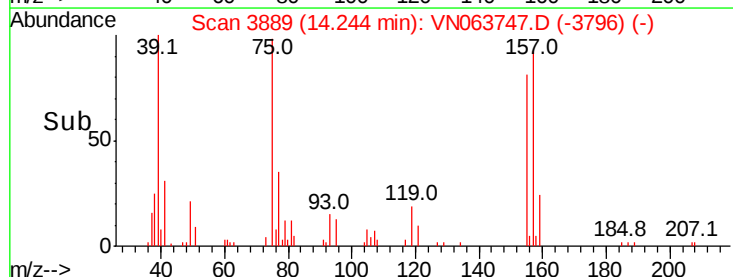
157 86.5 43.7 131.1

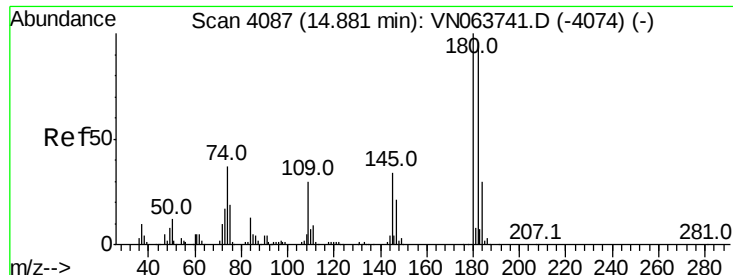


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

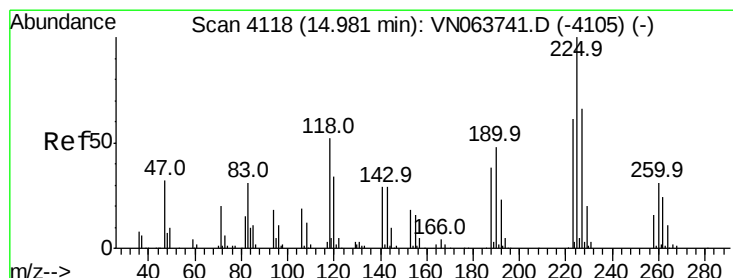
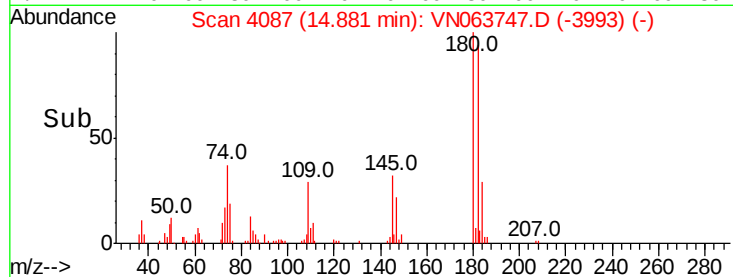
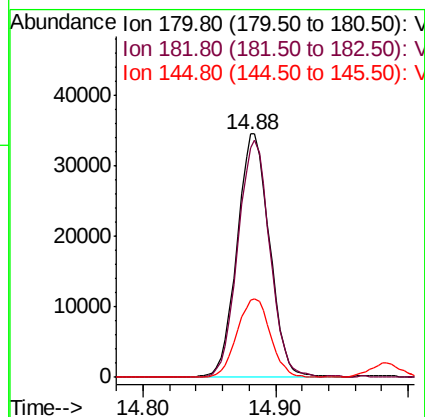
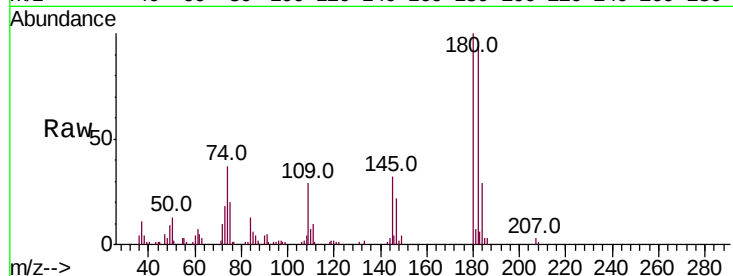




#93
 1,2,4-Trichlorobenzene
 Concen: 18.960 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

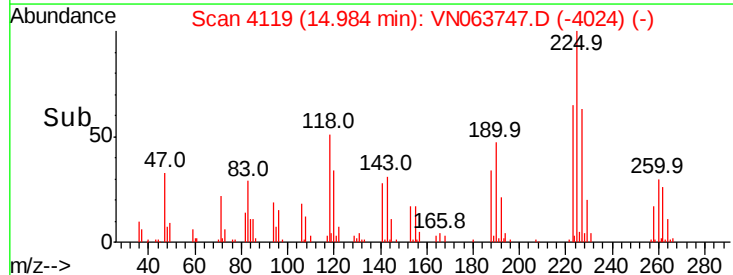
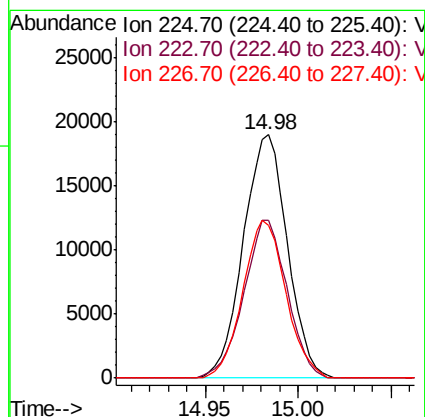
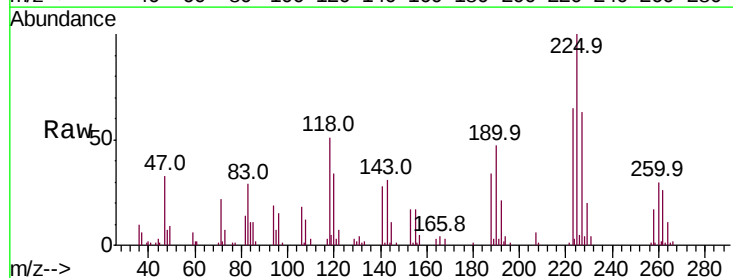
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

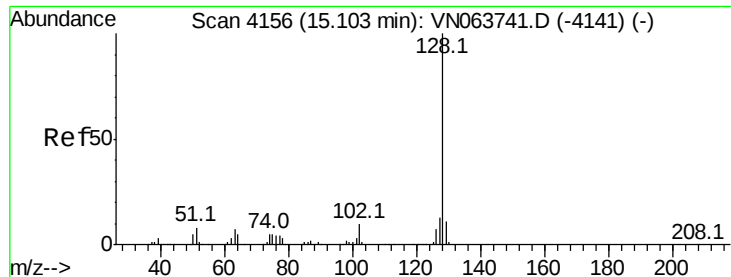
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	33.0	17.1	51.2



#94
 Hexachlorobutadiene
 Concen: 19.167 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063747.D
 Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.3	91.0
227	63.4	31.9	95.5

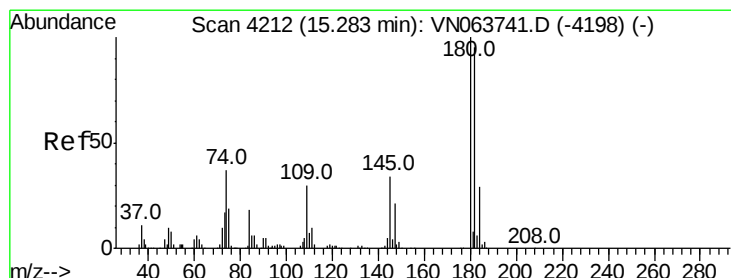
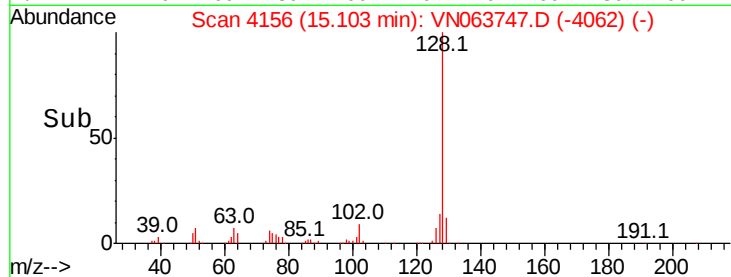
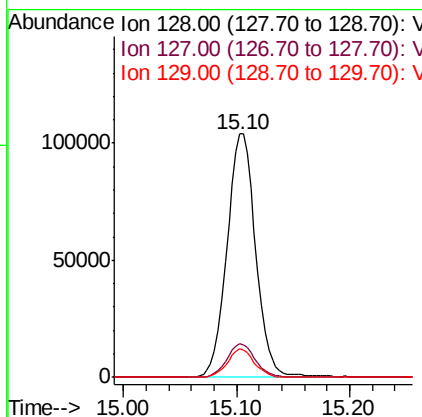
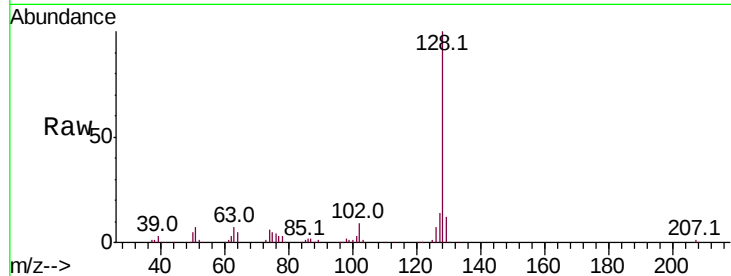




#95
Naphthalene
Concen: 19.297 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.732 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063747.D
Acq: 30 Sep 2020 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	34.9	17.2	51.5

