

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064197.D
 Acq On : 20 Oct 2020 15:55
 Operator : JC/MD
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 05:40:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	49778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	284136	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	251383	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130785	32.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.97%
60) 4-Bromofluorobenzene	12.38	95	131162	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	10.06	98	338300	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	7153	2.094 ug/l	87
3) Chloromethane	2.04	50	9162	2.618 ug/l	100
4) Vinyl Chloride	2.17	62	8254	2.397 ug/l #	87
5) Bromomethane	2.54	94	6779	3.291 ug/l	82
6) Chloroethane	2.67	64	5548	2.766 ug/l	99
7) Trichlorofluoromethane	2.98	101	15066	2.726 ug/l	99
8) Diethyl Ether	3.38	74	5978	3.185 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	8440	2.893 ug/l	91
10) 1,1-Dichloroethene	3.69	96	7217	2.541 ug/l #	74
11) Methyl Iodide	3.90	142	4154	1.015 ug/l	90
12) Methyl Acetate	4.28	43	6429	2.147 ug/l #	89
13) Acrolein	3.57	56	3408	10.411 ug/l #	5
14) Acrylonitrile	4.93	53	7626	6.321 ug/l #	61
15) Acetone	3.76	58	1114	3.420 ug/l	95
16) Carbon Disulfide	4.01	76	22340	2.750 ug/l	95
17) Allyl chloride	4.27	41	14270	2.702 ug/l	93
18) Methylene Chloride	4.51	84	9555	2.941 ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	8251	2.693 ug/l	89
20) Diisopropyl ether	5.90	45	29550	3.028 ug/l	95
21) 1,1-Dichloroethane	5.80	63	17409	2.922 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	10246	2.861 ug/l #	54
23) tert-Butyl Alcohol	4.71	59	3424	6.136 ug/l #	100
24) Methyl tert-Butyl Ether	4.98	73	12929	1.378 ug/l	99
26) Cyclohexane	7.71	56	16100	3.408 ug/l #	27
29) 1,1-Dichloropropene	7.75	75	13968	2.960 ug/l	86
31) 2,2-Dichloropropane	6.77	77	16669	2.783 ug/l #	77
32) 1,1,1-Trichloroethane	7.52	97	10008	1.665 ug/l	91
33) Carbon Tetrachloride	7.73	117	7628	1.392 ug/l	92
34) Benzene	8.00	78	36184	2.754 ug/l #	34
35) Methacrylonitrile	7.12	41	4898	2.295 ug/l	81
36) 1,2-Dichloroethane	8.08	62	15529	2.922 ug/l	96
37) Trichloroethene	8.80	130	9496	2.625 ug/l	88
38) Methylcyclohexane	9.05	83	11657	2.583 ug/l	92
39) 1,2-Dichloropropane	9.09	63	9751	2.781 ug/l	93
40) Dibromomethane	9.18	93	7161	2.935 ug/l	94
41) Bromodichloromethane	9.37	83	15483	2.932 ug/l #	90
43) Ethyl Acetate	6.87	43	4658	1.096 ug/l #	75

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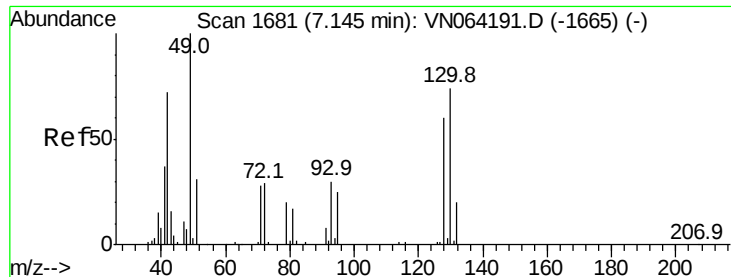
Instrument :
 MSVOA_N
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Quant Time: Oct 21 05:40:02 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,4-Dioxane	9.16	88	1170	24.519	ug/l #	49
46) Methyl methacrylate	9.16	41	10826	2.796	ug/l	90
47) n-amyl Acetate	12.04	43	17923	2.476	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	16220	2.724	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	17879	2.906	ug/l	93
50) 1,1,2-Trichloroethane	10.53	97	9243	2.828	ug/l #	93
51) Ethyl methacrylate	10.40	69	13791	2.668	ug/l	86
52) 1,3-Dichloropropane	10.68	76	15540	2.758	ug/l	100
53) Dibromochloromethane	10.87	129	10806	2.627	ug/l	96
54) 1,2-Dibromoethane	10.97	107	9373	2.698	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	29855	11.753	ug/l	99
56) Bromoform	12.10	173	7704	2.689	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	60367	14.171	ug/l	99
59) 2-Hexanone	10.72	43	43119	13.635	ug/l	100
61) Tetrachloroethene	10.60	164	10533	3.108	ug/l	97
62) Toluene	10.12	91	39879	2.775	ug/l	99
64) Chlorobenzene	11.41	112	24489	2.736	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	9393	2.679	ug/l	94
66) Ethyl Benzene	11.49	91	44691	2.705	ug/l	97
67) m/p-Xylenes	11.59	106	32713	5.324	ug/l	92
68) o-Xylene	11.92	106	15582	2.613	ug/l	96
69) Styrene	11.94	104	26880	2.664	ug/l	96
70) Isopropylbenzene	12.22	105	44340	2.816	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	10661	2.470	ug/l	82
72) 1,2,3-Trichloropropane	12.52	75	16757	3.721	ug/l	57
73) Bromobenzene	12.50	156	9488	2.498	ug/l	80
74) n-propylbenzene	12.57	91	45475	2.530	ug/l	100
75) 2-Chlorotoluene	12.65	91	32077	2.883	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	36559	2.728	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	4850	2.755	ug/l	89
78) 4-Chlorotoluene	12.75	91	29391	2.525	ug/l	97
79) tert-butylbenzene	12.97	119	29255	2.670	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	37862	2.783	ug/l	94
81) sec-Butylbenzene	13.14	105	37114	2.604	ug/l	97
82) p-Isopropyltoluene	13.26	119	34784	2.637	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	18159	2.668	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	17639	2.588	ug/l	98
85) n-Butylbenzene	13.59	91	29535	2.522	ug/l	98
86) Hexachloroethane	13.85	117	5752	2.533	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	17555	2.644	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	2882	2.637	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	9091	2.280	ug/l	97
90) Hexachlorobutadiene	14.98	225	4803	2.377	ug/l	90
91) Naphthalene	15.11	128	27394	2.267	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	8738	2.292	ug/l	94

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

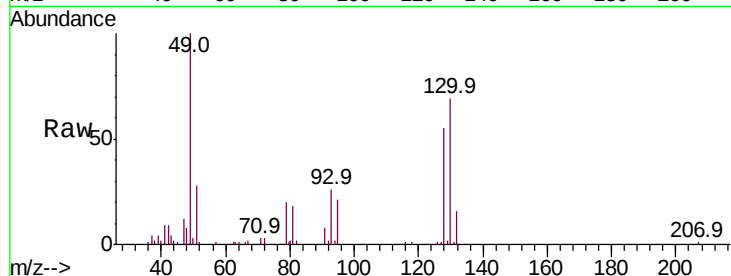
Tot Ion:128 Resp: 49778

Ion Ratio Lower Upper

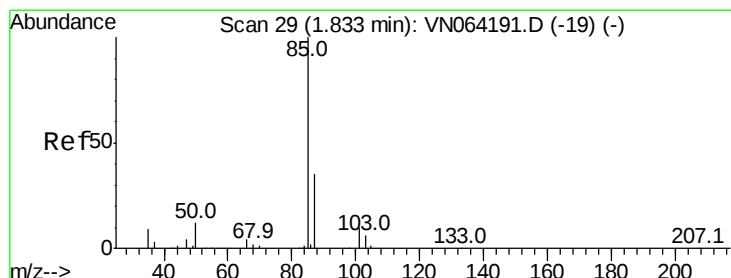
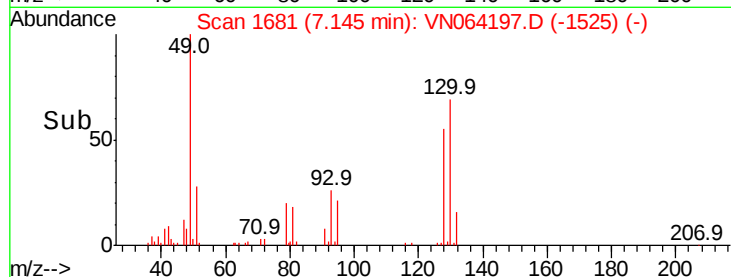
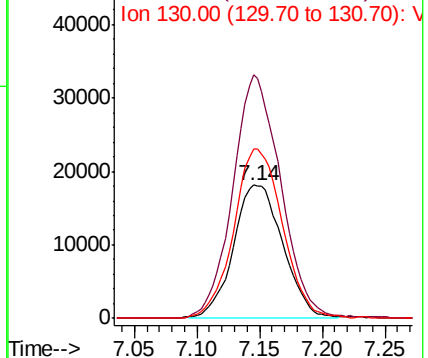
128 100

49 176.4 0.0 433.3

130 125.6 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.094 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064197.D

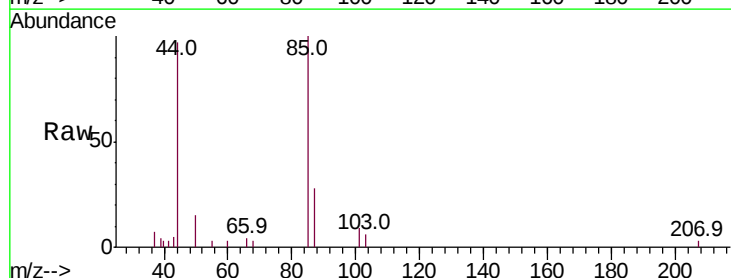
Acq: 20 Oct 2020 15:55

Tgt Ion: 85 Resp: 7153

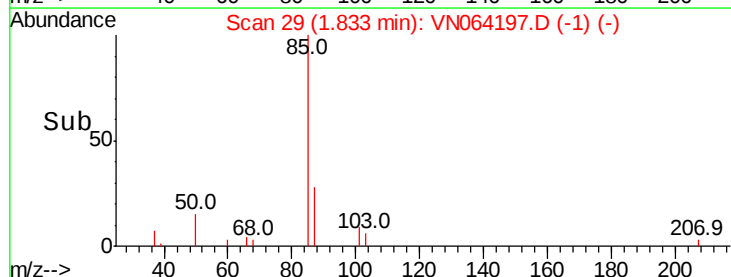
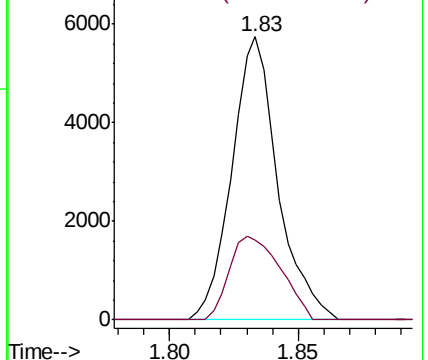
Ion Ratio Lower Upper

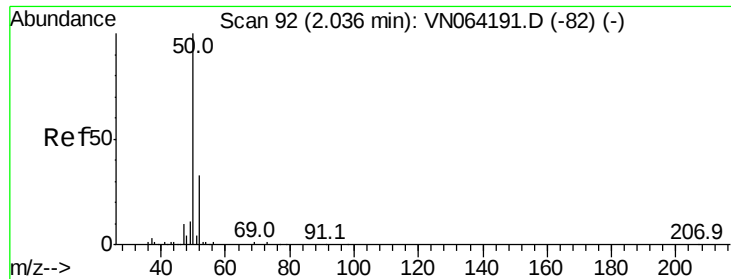
85 100

87 28.1 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 2.618 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

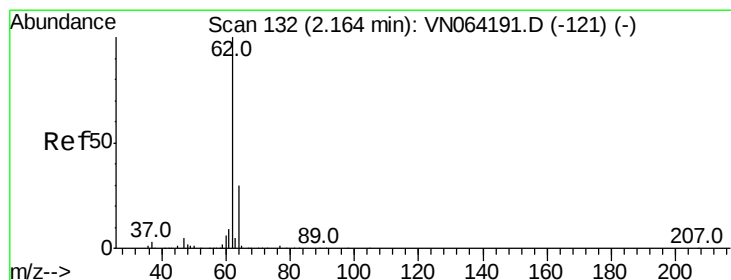
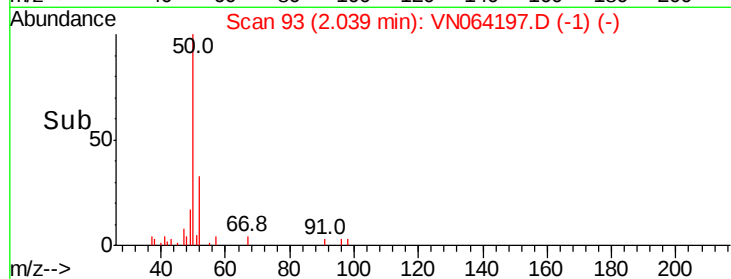
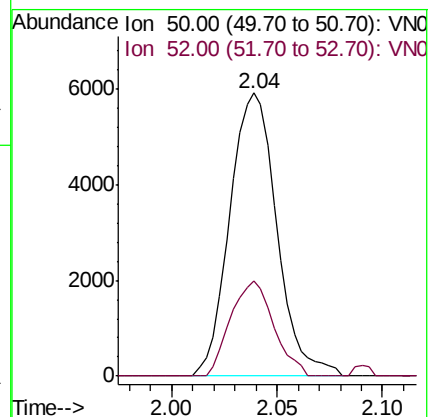
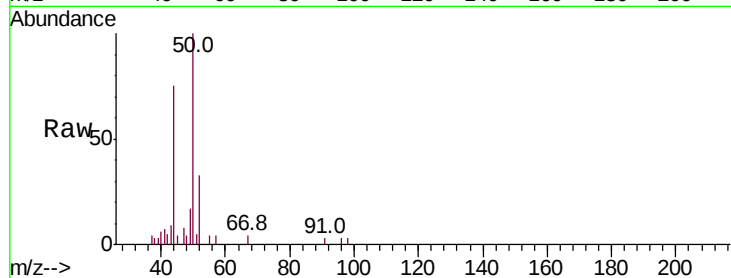
ClientSampleId :

Tot Ion: 50 Resp: 9162

Ion Ratio Lower Upper

50 100

52 33.4 26.6 40.0



#4

Vinyl Chloride

Concen: 2.397 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064197.D

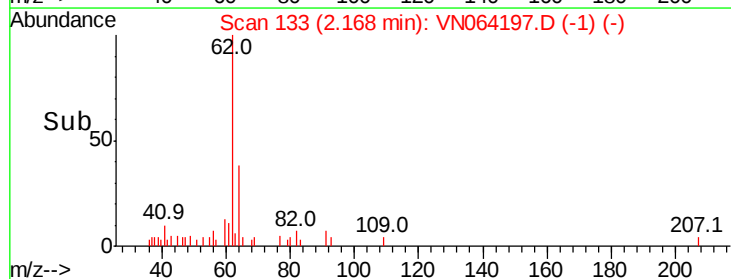
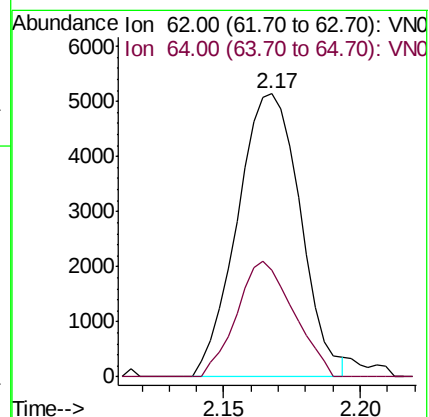
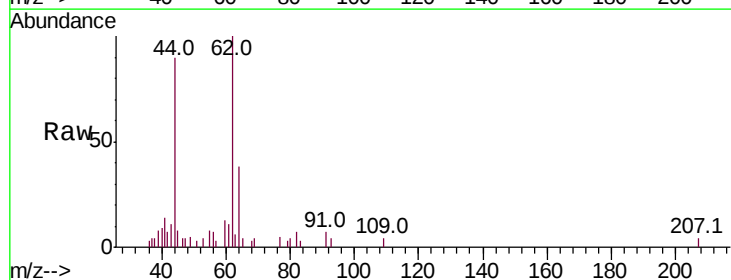
Acq: 20 Oct 2020 15:55

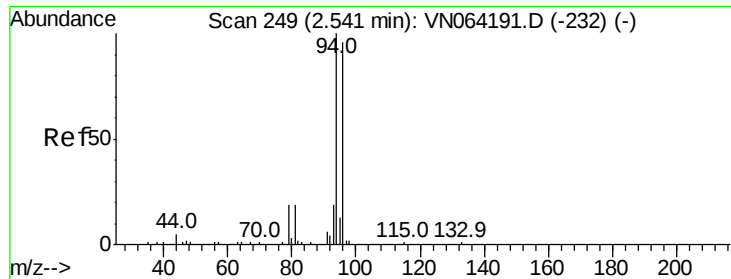
Tgt Ion: 62 Resp: 8254

Ion Ratio Lower Upper

62 100

64 37.8 24.4 36.6#





#5

Bromomethane

Concen: 3.291 ug/l

RT: 2.54 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

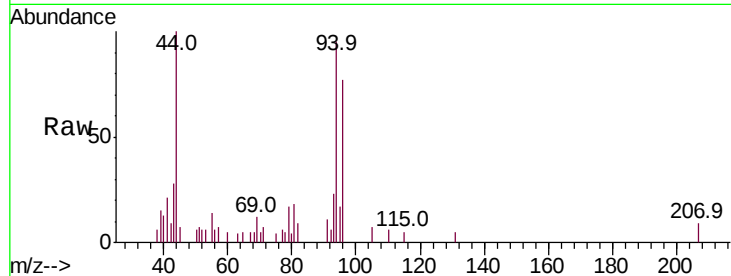
ClientSampleId :

Tot Ion: 94 Resp: 6779

Ion Ratio Lower Upper

94 100

96 77.9 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064197.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN064197.D (-232) (-)

2.54

4000

3000

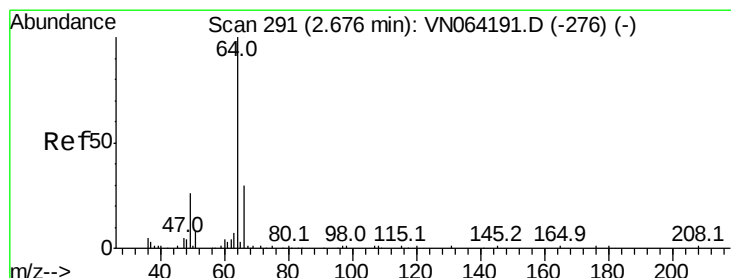
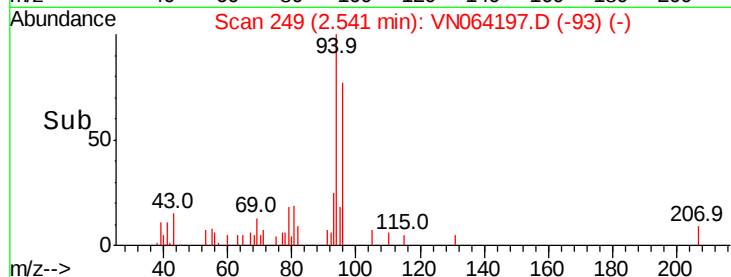
2000

1000

0

2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 2.766 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN064197.D

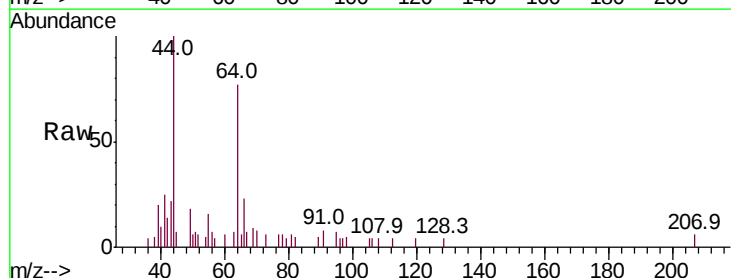
Acq: 20 Oct 2020 15:55

Tgt Ion: 64 Resp: 5548

Ion Ratio Lower Upper

64 100

66 29.7 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064197.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN064197.D (-276) (-)

2.67

3000

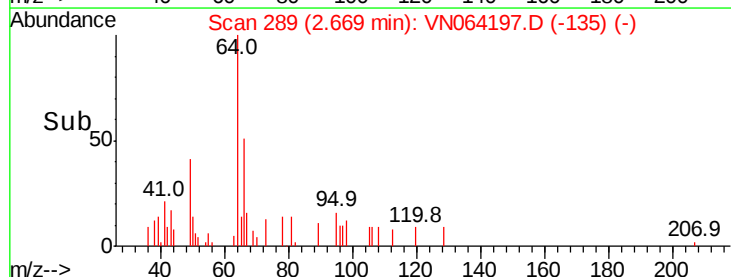
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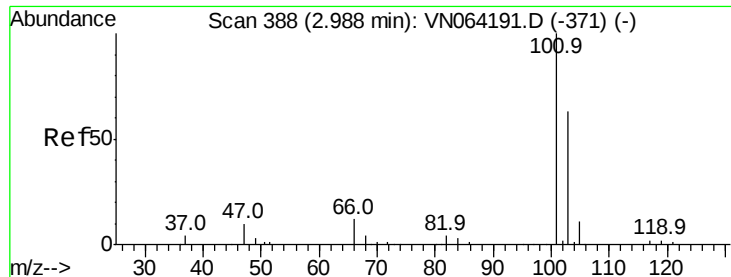
1000

0

2.65 2.70

Time-->



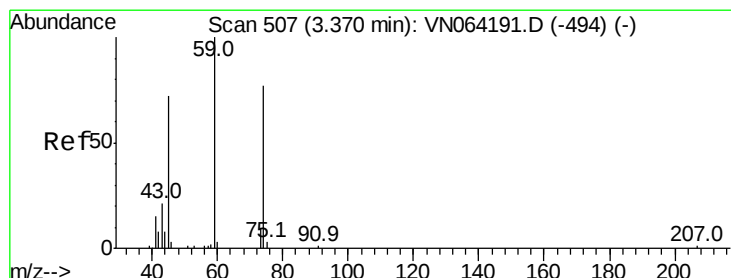
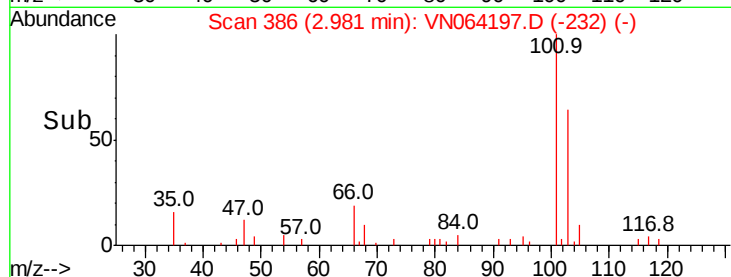
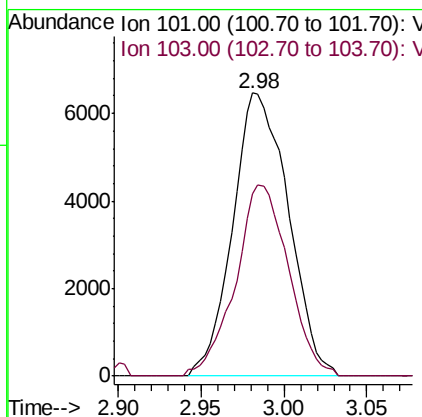
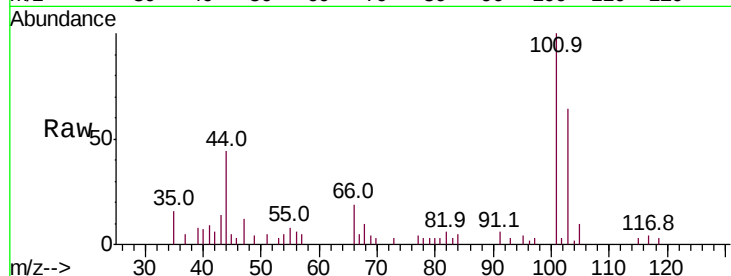


#7

Trichlorofluoromethane
 Concen: 2.726 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :

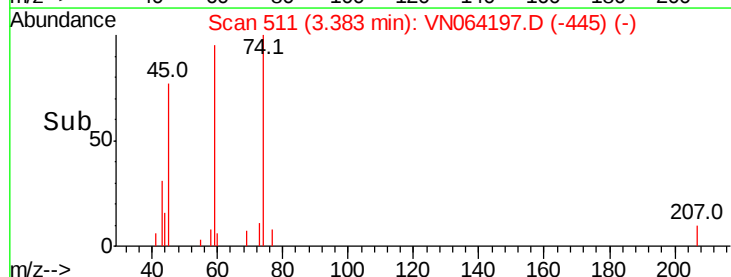
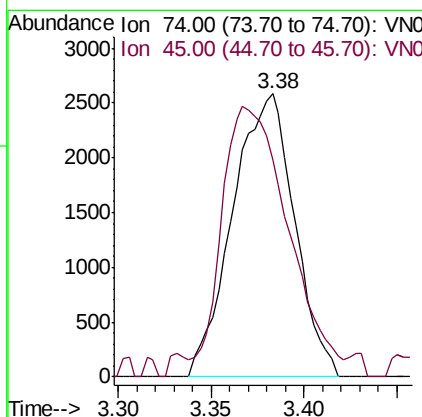
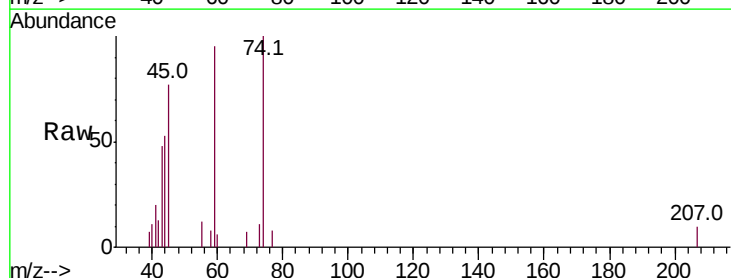
Tot Ion:101 Resp: 15066
 Ion Ratio Lower Upper
 101 100
 103 62.9 50.7 76.1

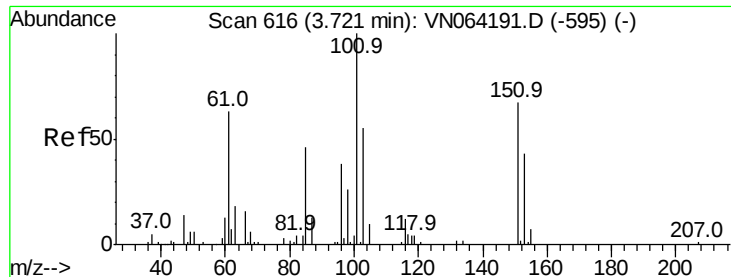


#8

Diethyl Ether
 Concen: 3.185 ug/l
 RT: 3.38 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion: 74 Resp: 5978
 Ion Ratio Lower Upper
 74 100
 45 97.2 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.893 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

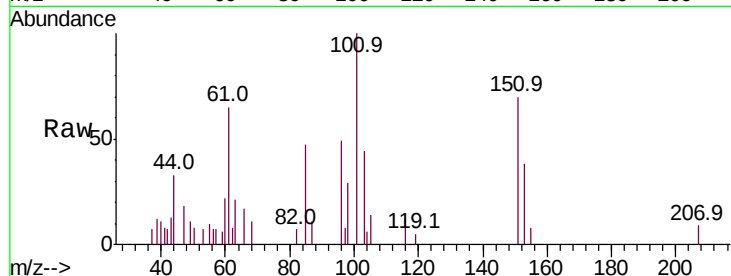
Tot Ion:101 Resp: 8440

Ion Ratio Lower Upper

101 100

85 32.9 0.0 94.0

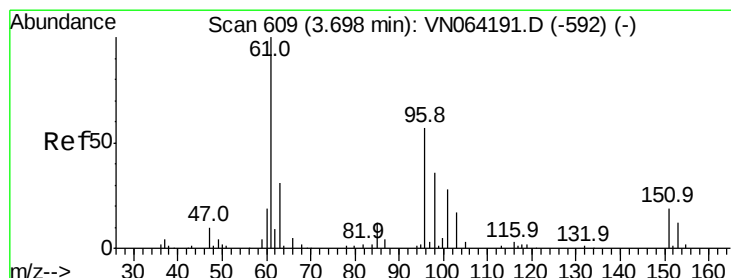
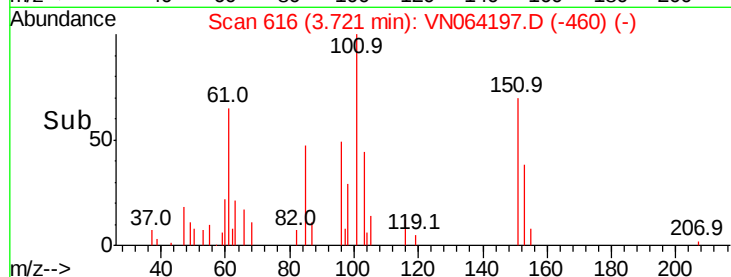
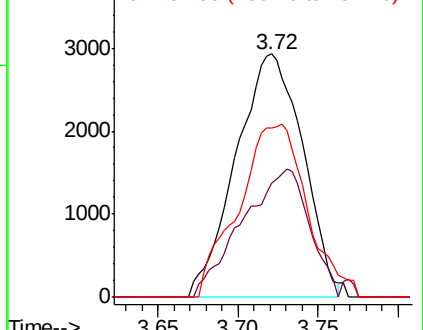
151 72.6 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.541 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

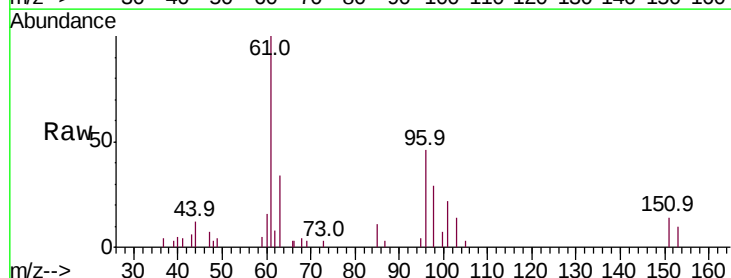
Tgt Ion: 96 Resp: 7217

Ion Ratio Lower Upper

96 100

61 224.5 141.0 211.4#

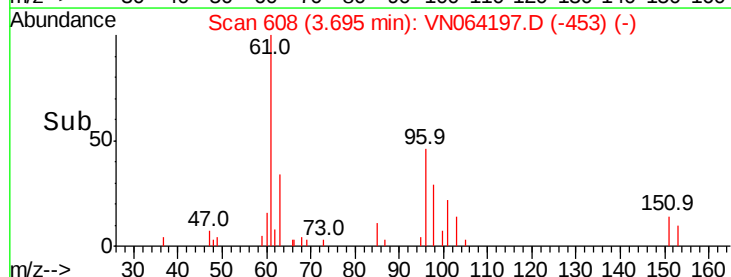
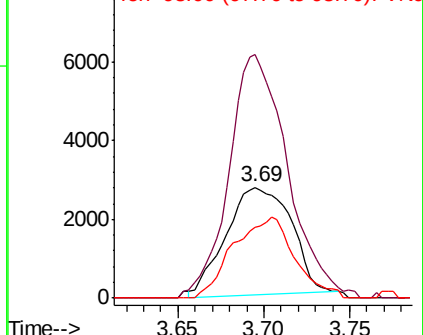
98 67.7 51.4 77.2

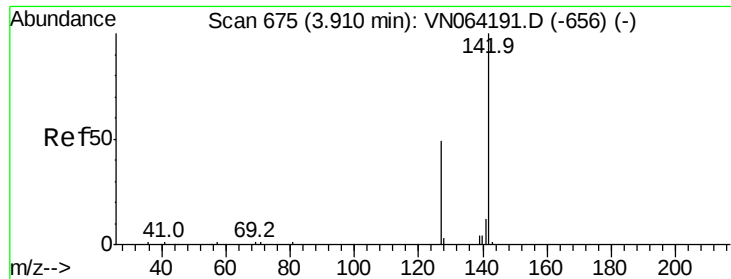


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

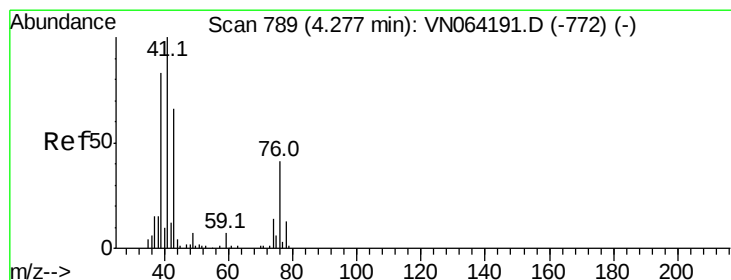
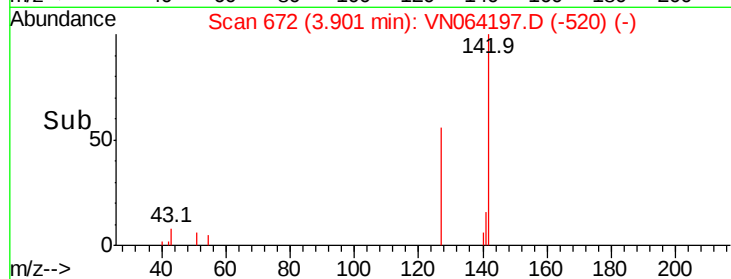
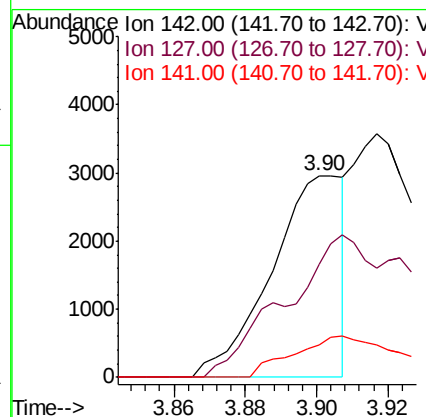
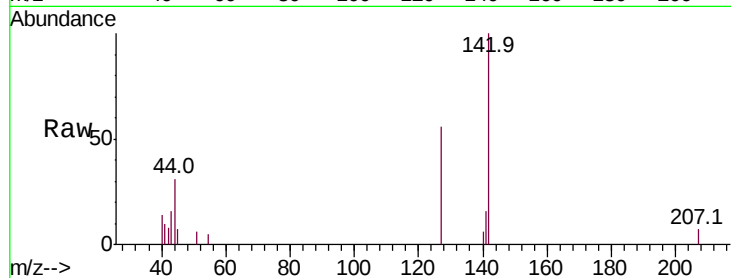




#11
Methvl Iodide
Concen: 1.015 ug/l
RT: 3.90 min Scan# 672
Delta R.T. -0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

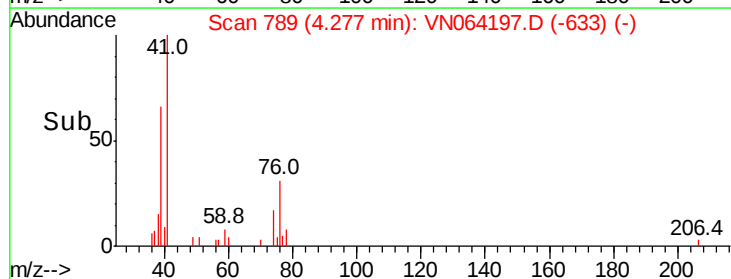
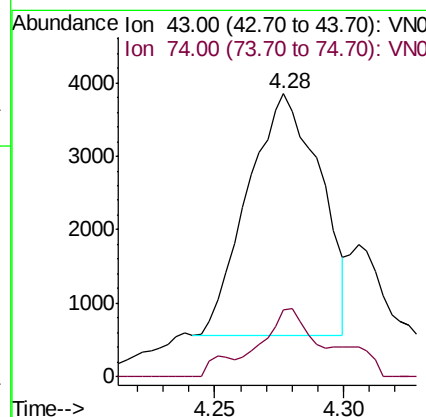
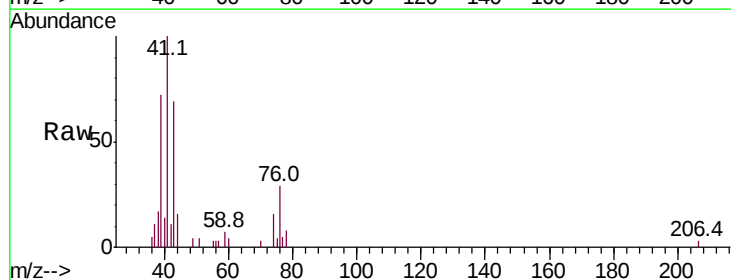
Instrument :
MSVOA_N
ClientSampled :

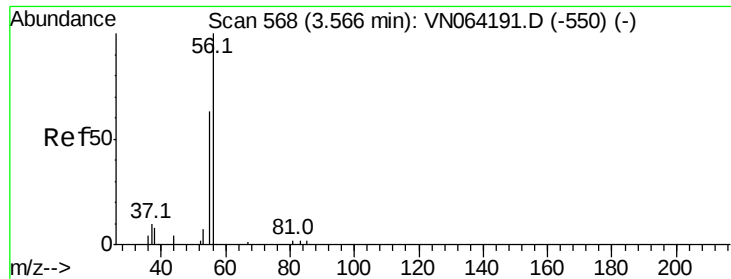
Tot Ion:142 Resp: 4154
Ion Ratio Lower Upper
142 100
127 41.0 24.5 73.5
141 11.9 6.0 18.1



#12
Methyl Acetate
Concen: 2.147 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 43 Resp: 6429
Ion Ratio Lower Upper
43 100
74 25.5 16.2 24.2#





#13

Acrolein

Concen: 10.411 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

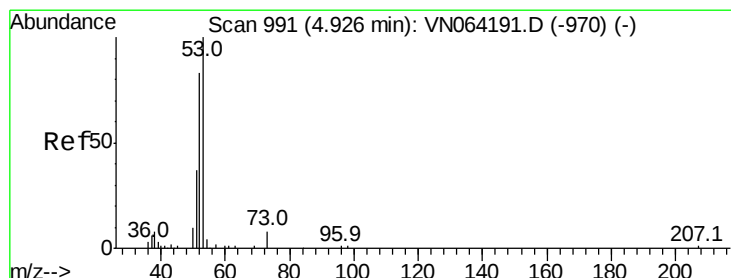
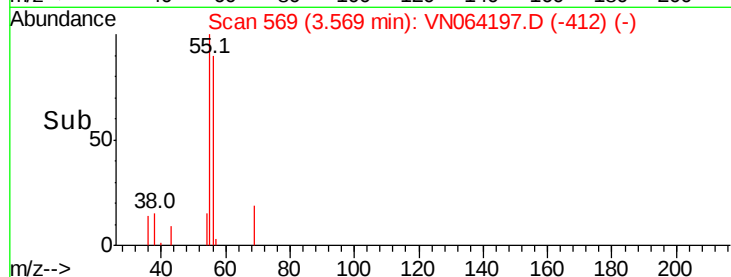
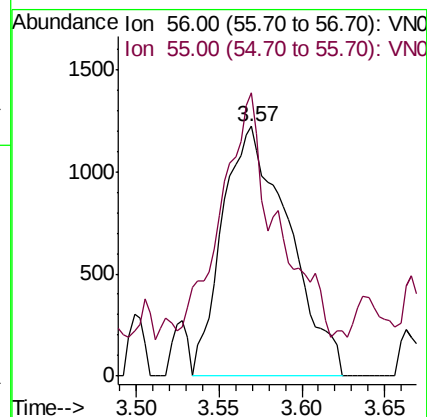
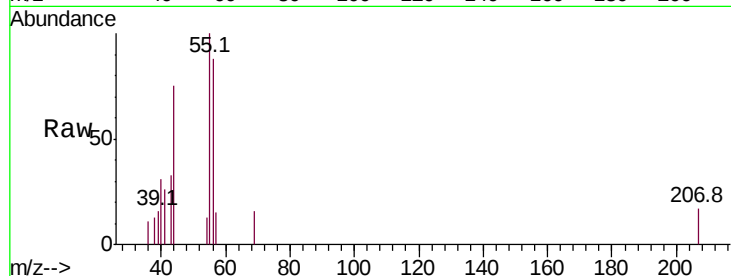
ClientSampleId :

Tot Ion: 56 Resp: 3408

Ion Ratio Lower Upper

56 100

55 55.3 0.5 0.7#



#14

Acrylonitrile

Concen: 6.321 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

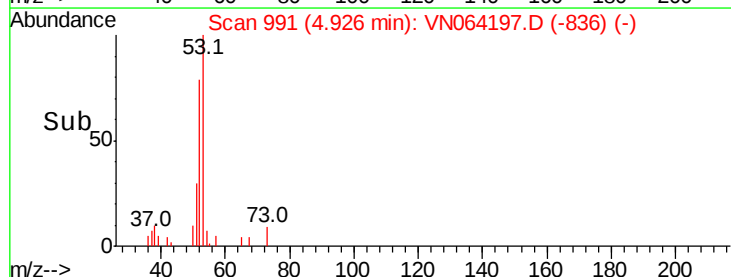
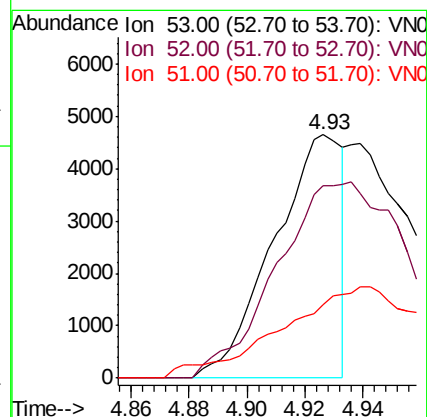
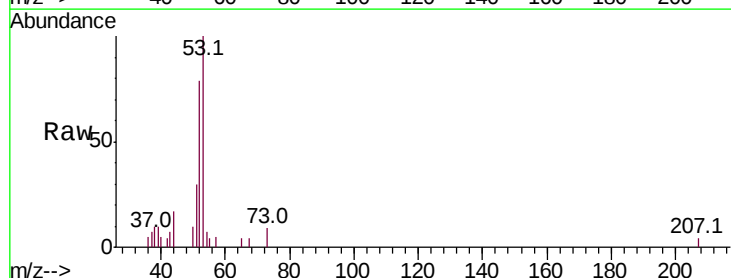
Tgt Ion: 53 Resp: 7626

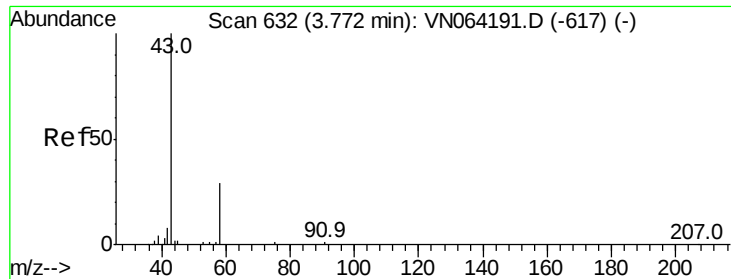
Ion Ratio Lower Upper

53 100

52 114.3 41.3 123.9

51 64.1 18.1 54.1#





#15

Acetone

Concen: 3.420 ug/l

RT: 3.76 min Scan# 629

Delta R.T. -0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

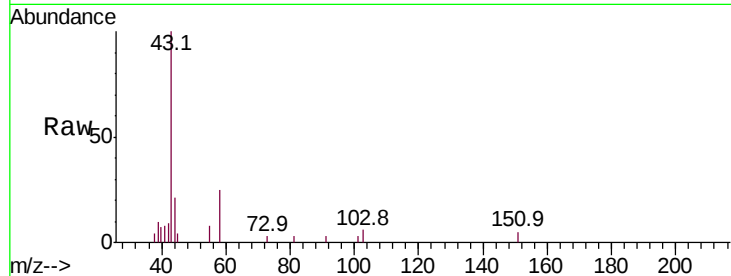
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 1114

Ion Ratio Lower Upper

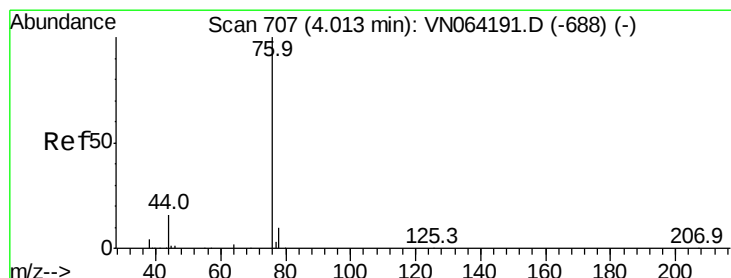
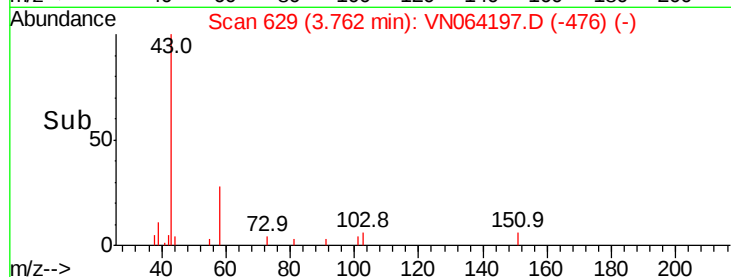
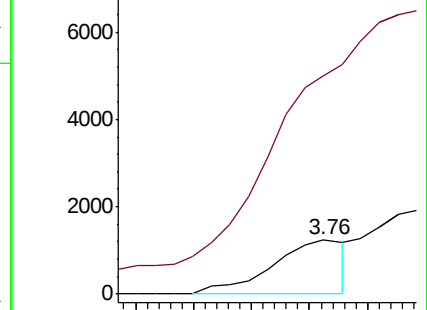
58 100

43 330.3 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064197.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VN064197.D (-617) (-)



#16

Carbon Disulfide

Concen: 2.750 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064197.D

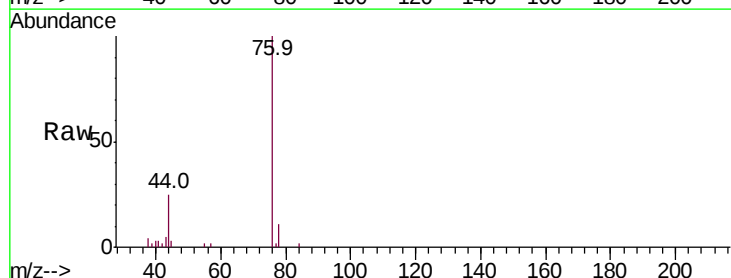
Acq: 20 Oct 2020 15:55

Tgt Ion: 76 Resp: 22340

Ion Ratio Lower Upper

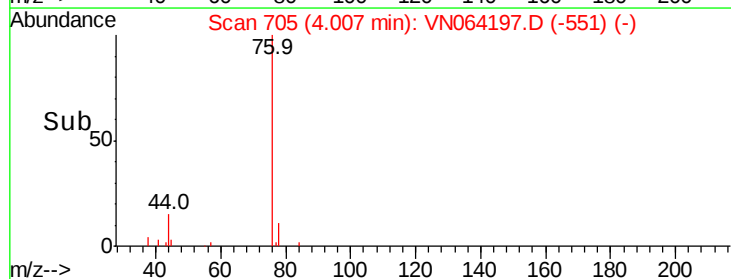
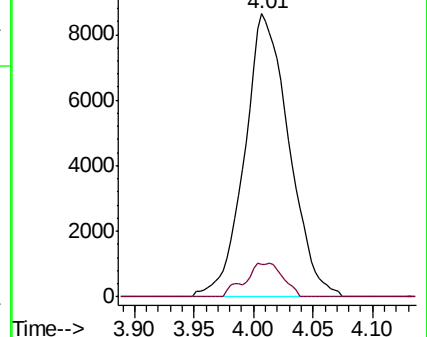
76 100

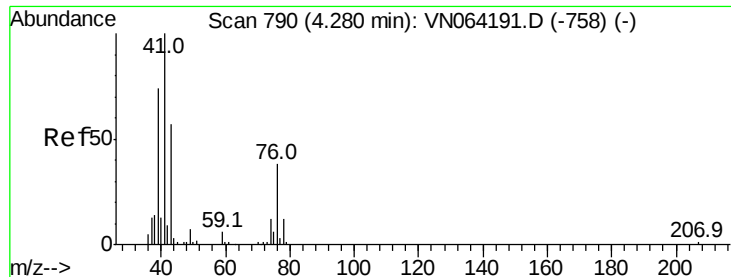
78 11.5 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064197.D (-688) (-)

Ion 78.00 (77.70 to 78.70): VN064197.D (-688) (-)





#17

Allvl chloride

Concen: 2.702 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

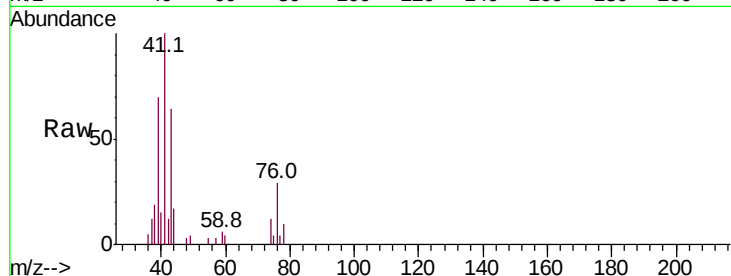
Tot Ion: 41 Resp: 14270

Ion Ratio Lower Upper

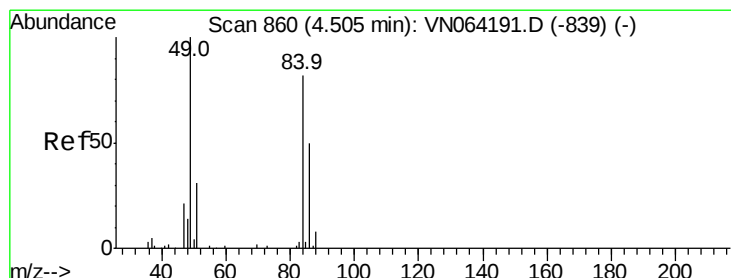
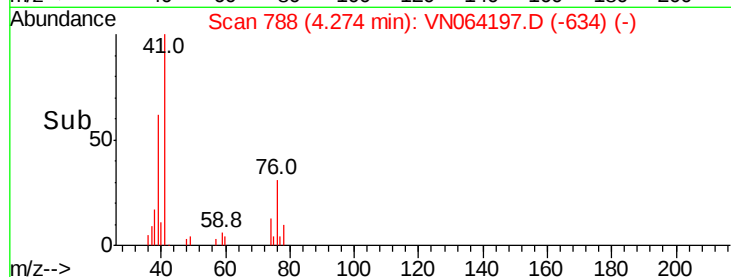
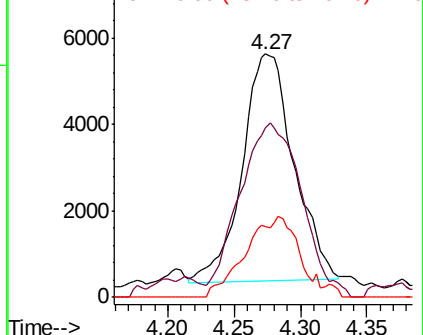
41 100

39 68.7 36.8 110.4

76 31.3 18.8 56.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 2.941 ug/l

RT: 4.51 min Scan# 860

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion: 84 Resp: 9555

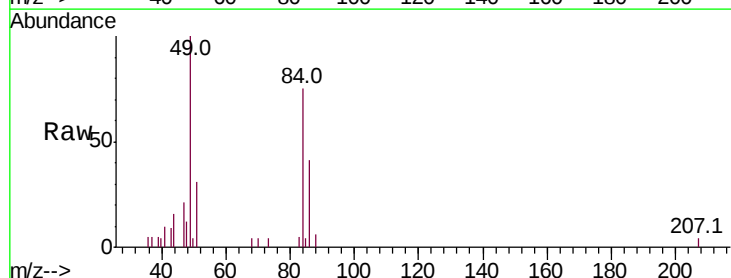
Ion Ratio Lower Upper

84 100

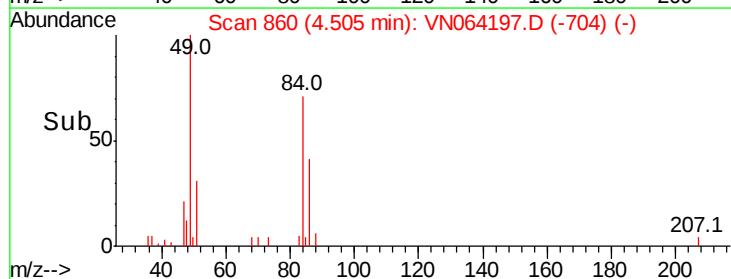
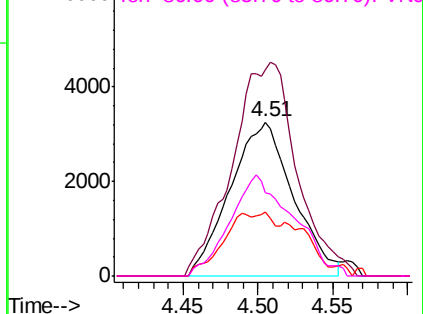
49 128.3 97.6 146.4

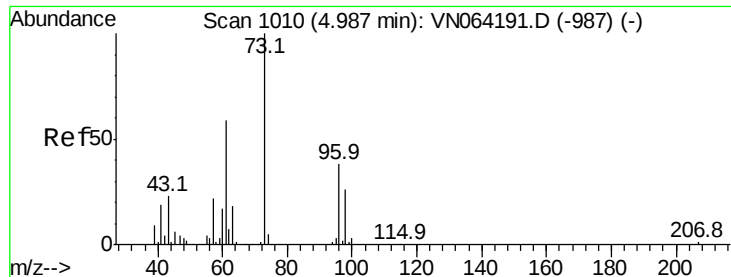
51 41.3 31.1 46.7

86 54.3 49.3 73.9



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO



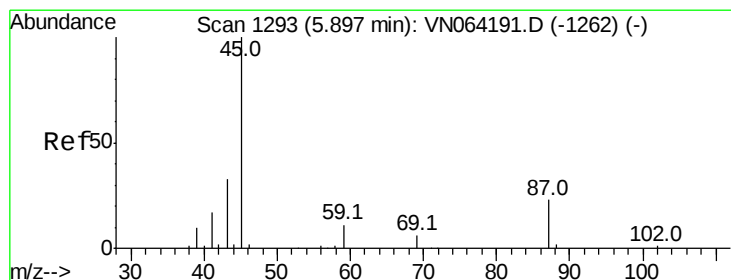
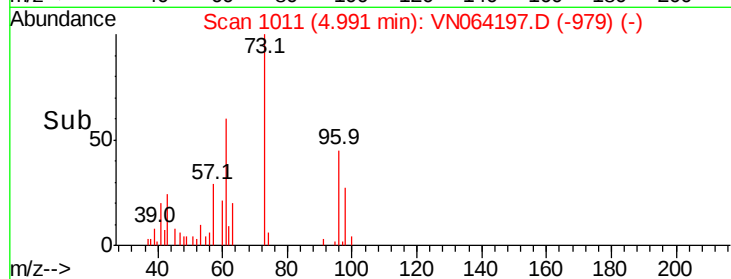
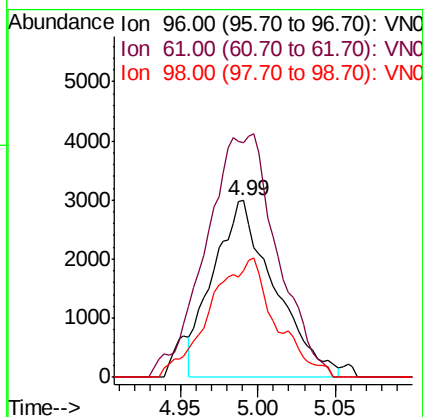
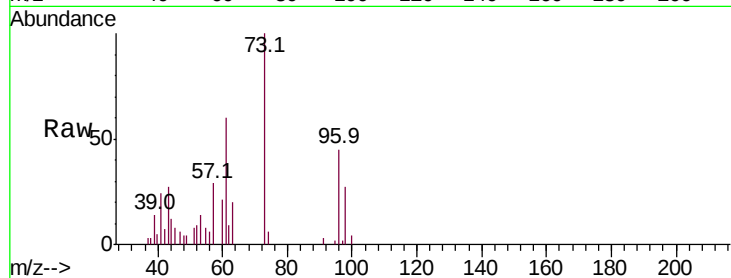


#19

trans-1,2-Dichloroethene
Concen: 2.693 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

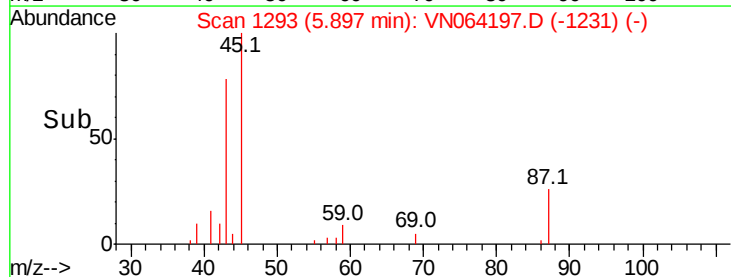
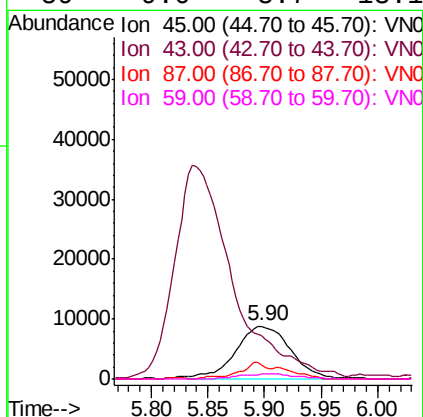
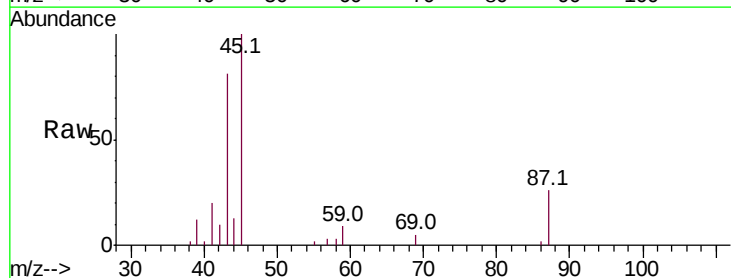
Tot Ion: 96 Resp: 8251
Ion Ratio Lower Upper
96 100
61 140.4 125.5 188.3
98 63.4 54.7 82.1

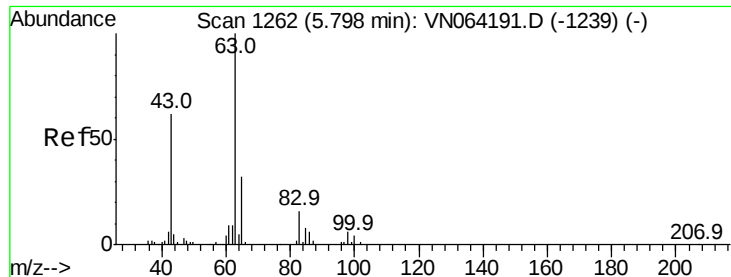


#20

Diisopropyl ether
Concen: 3.028 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 45 Resp: 29550
Ion Ratio Lower Upper
45 100
43 73.4 55.1 82.7
87 26.9 19.4 29.2
59 9.0 8.7 13.1





#21

1,1-Dichloroethane

Concen: 2.922 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :

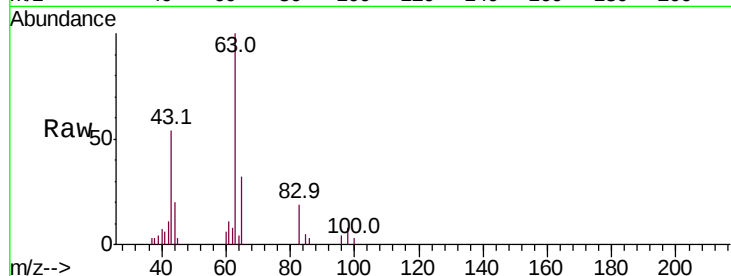
Tot Ion: 63 Resp: 17409

Ion Ratio Lower Upper

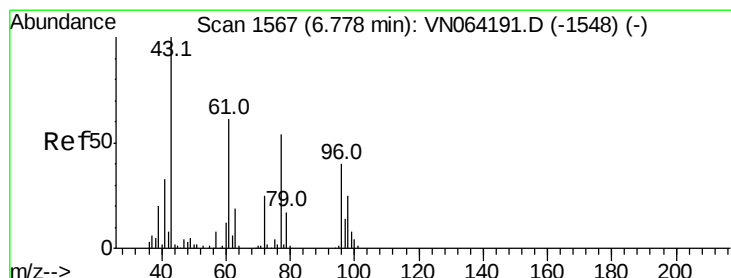
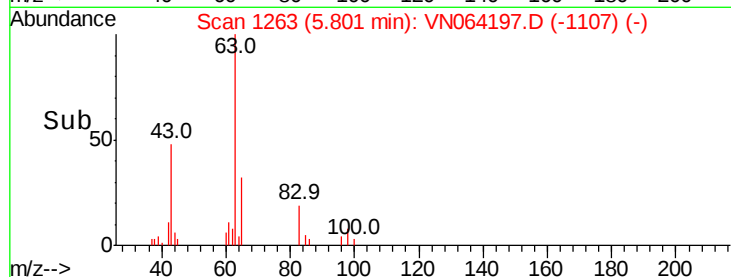
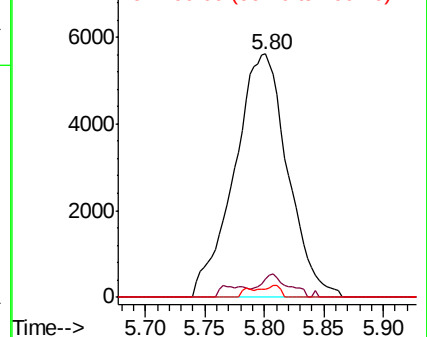
63 100

98 7.6 2.9 8.7

100 3.5 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VNO
Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO



#22

cis-1,2-Dichloroethene

Concen: 2.861 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

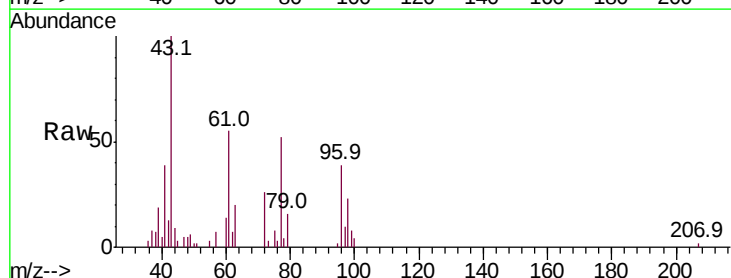
Tgt Ion: 96 Resp: 10246

Ion Ratio Lower Upper

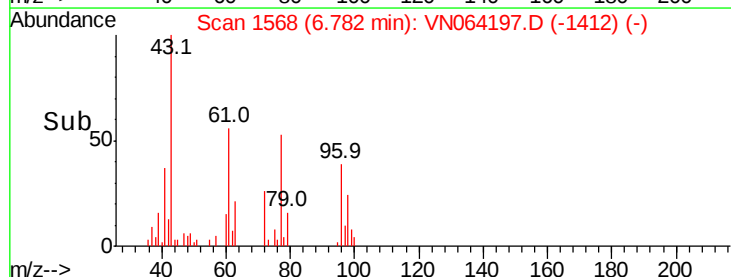
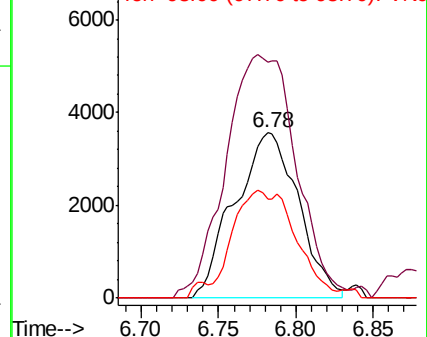
96 100

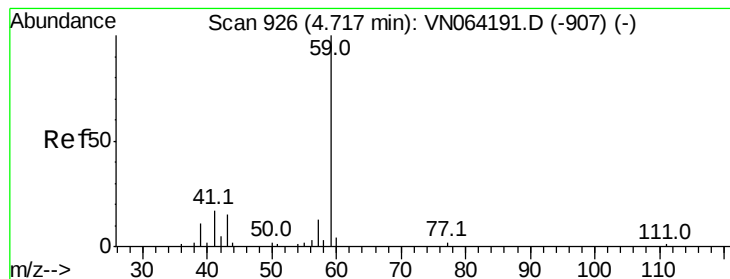
61 97.1 126.2 189.4#

98 28.9 50.2 75.4#



Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#23

tert-Butyl Alcohol

Concen: 6.136 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

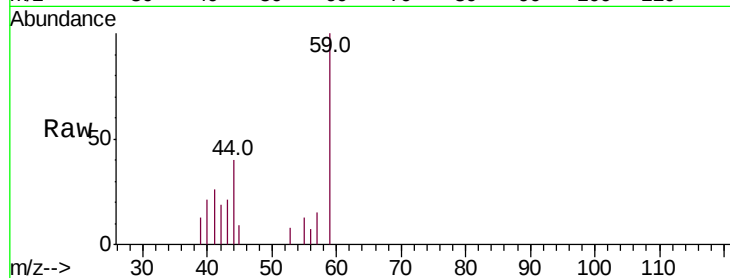
ClientSampleId :

Tot Ion: 59 Resp: 3424

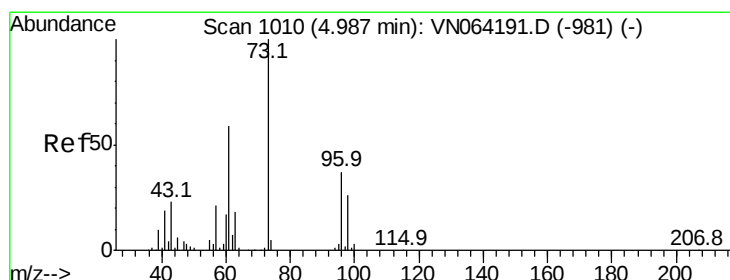
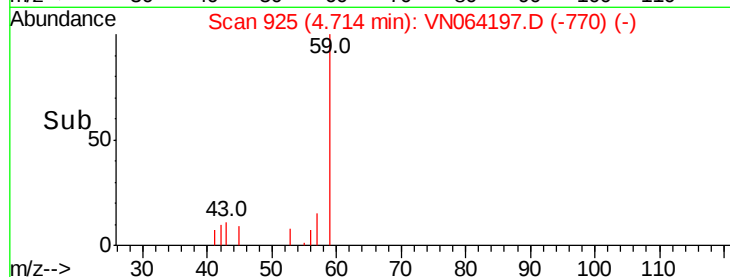
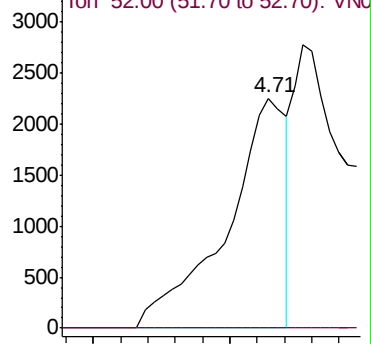
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064197.D (-907) (-)



#24

Methyl tert-Butyl Ether

Concen: 1.378 ug/l

RT: 4.98 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN064197.D

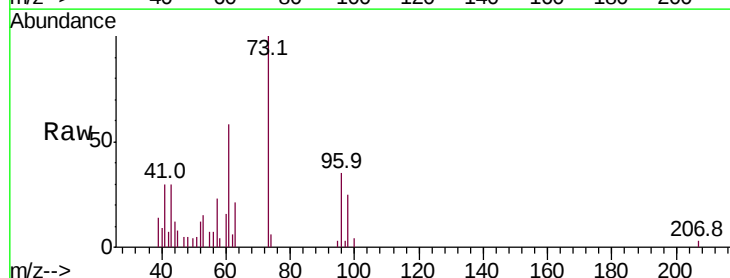
Acq: 20 Oct 2020 15:55

Tgt Ion: 73 Resp: 12929

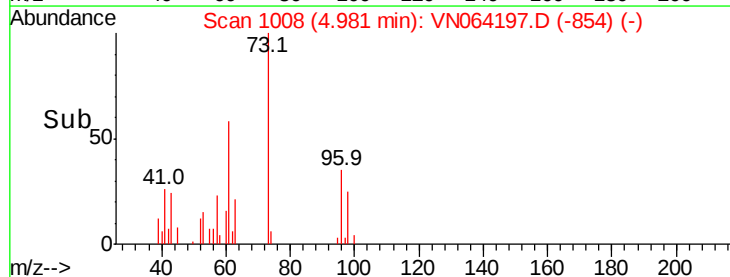
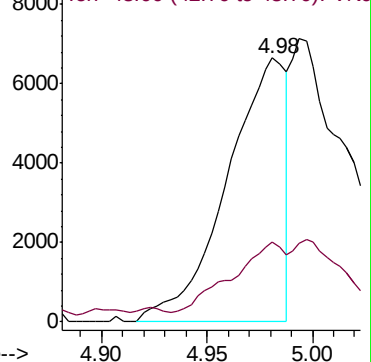
Ion Ratio Lower Upper

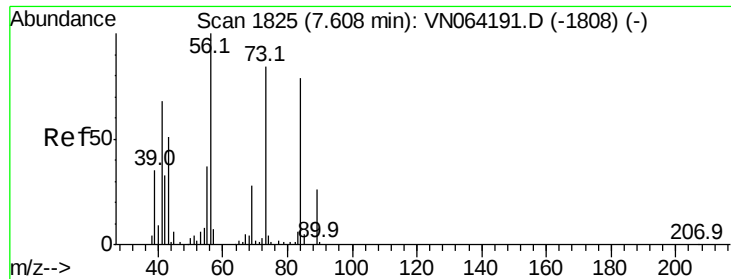
73 100

43 23.3 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN064197.D (-981) (-)

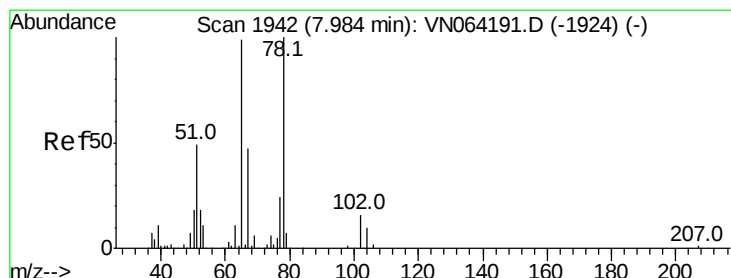
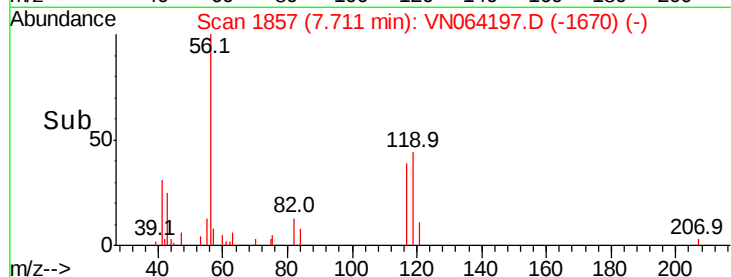
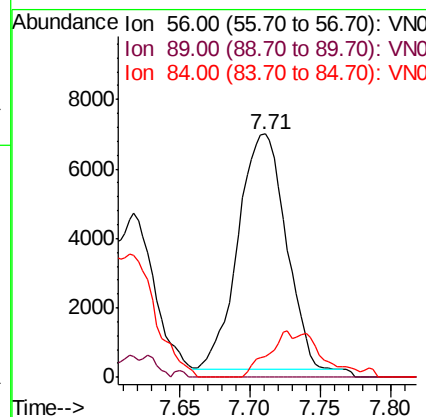
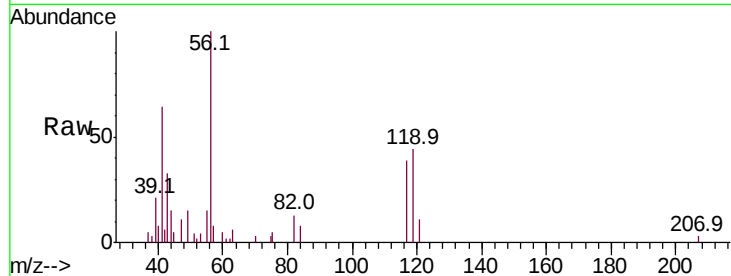




#26
Cyclohexane
Concen: 3.408 ug/l
RT: 7.71 min Scan# 1857
Delta R.T. 0.10 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

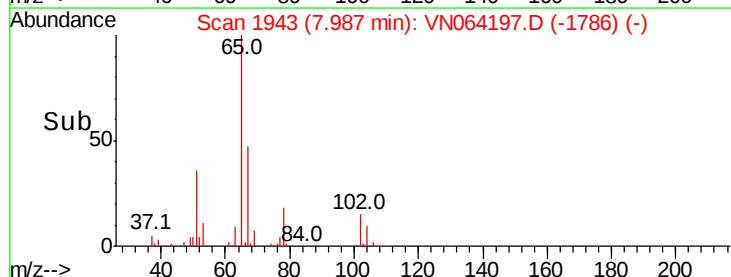
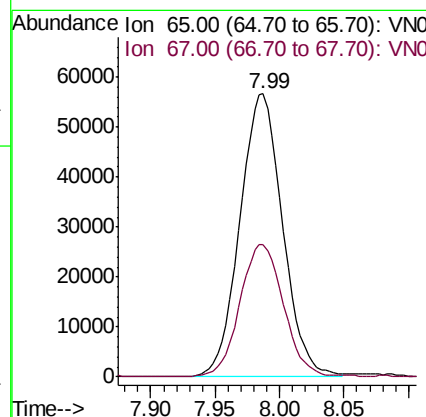
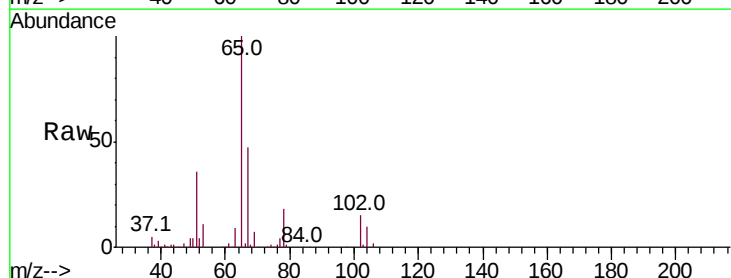
Instrument :
MSVOA_N
ClientSampled :

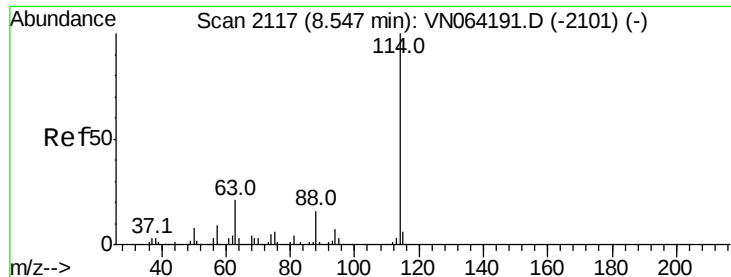
Tot Ion: 56 Resp: 16100
Ion Ratio Lower Upper
56 100
89 0.6 21.4 32.0#
84 10.1 65.8 98.6#



#27
1,2-Dichloroethane-d4
Concen: 32.091 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 65 Resp: 130785
Ion Ratio Lower Upper
65 100
67 47.7 39.8 59.6

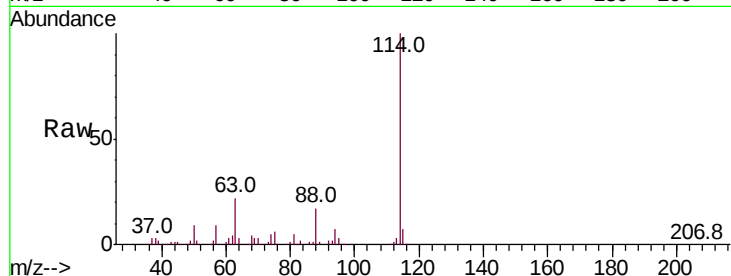




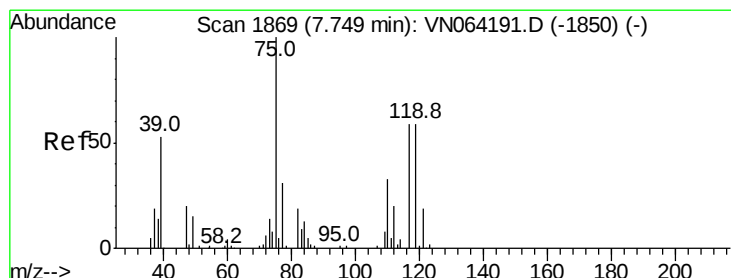
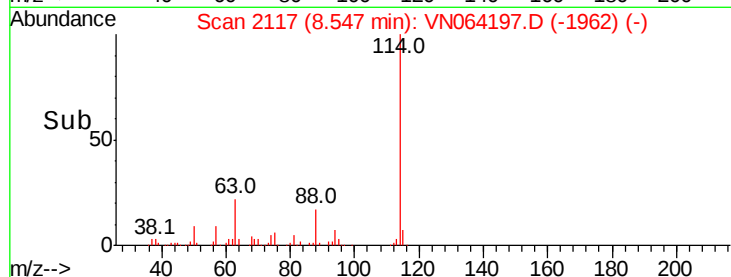
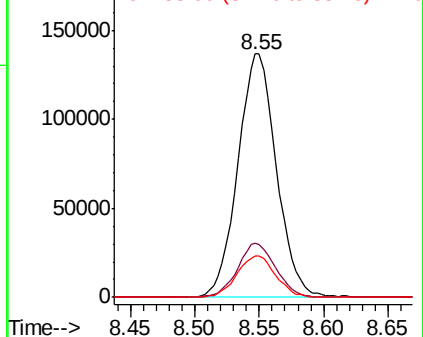
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	17.0	25.4
88	17.1	13.0	19.4

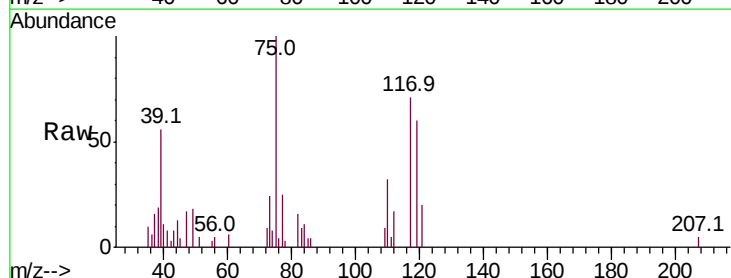


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

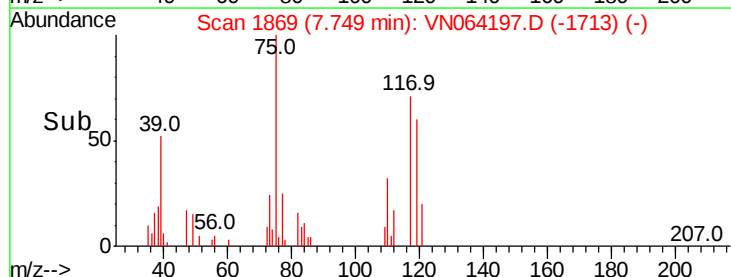
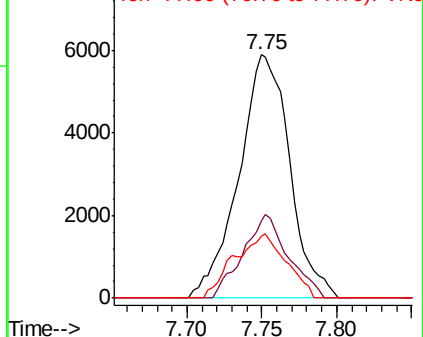


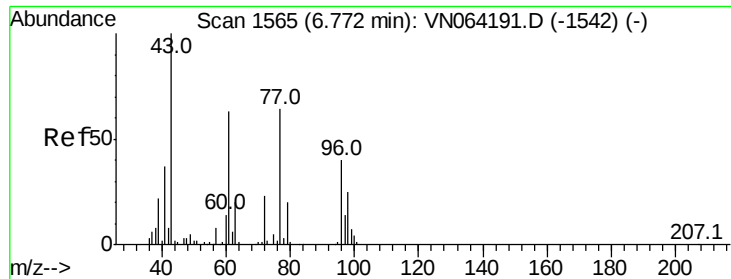
#29
 1,1-Dichloropropene
 Concen: 2.960 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.3	0.0	66.8
77	19.3	0.0	63.6



Abundance Ion 75.00 (74.70 to 75.70): VN
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN





#31

2,2-Dichloropropane

Concen: 2.783 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

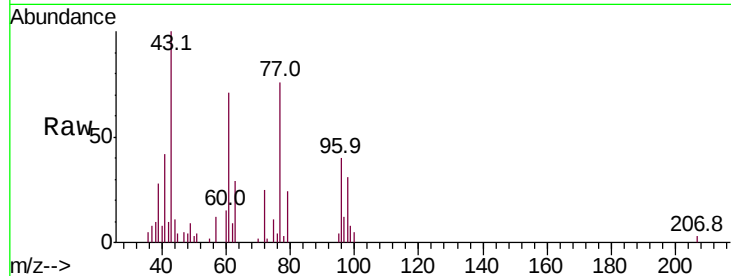
ClientSampled :

Tot Ion: 77 Resp: 16669

Ion Ratio Lower Upper

77 100

97 10.5 17.3 25.9#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.77

6000

5000

4000

3000

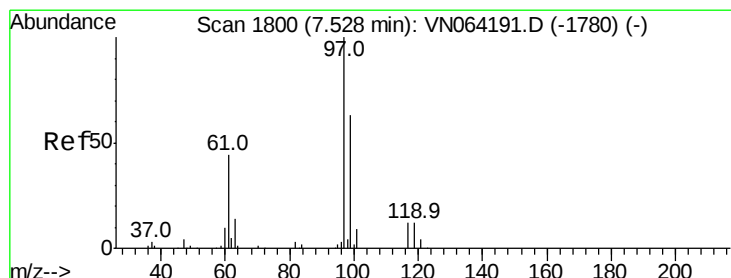
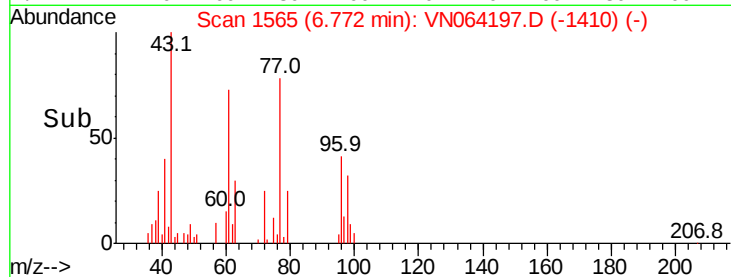
2000

1000

0

6.70 6.75 6.80 6.85

Time-->



#32

1,1,1-Trichloroethane

Concen: 1.665 ug/l

RT: 7.52 min Scan# 1798

Delta R.T. -0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

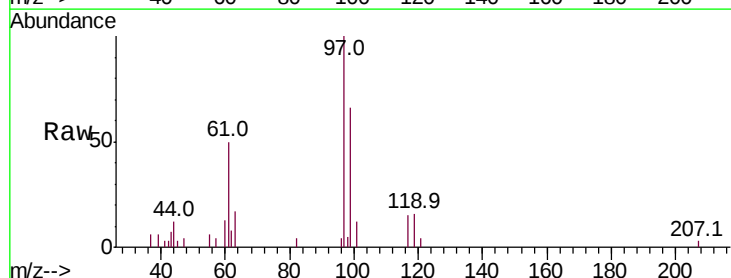
Tgt Ion: 97 Resp: 10008

Ion Ratio Lower Upper

97 100

99 57.0 51.3 76.9

61 48.9 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

8000

6000

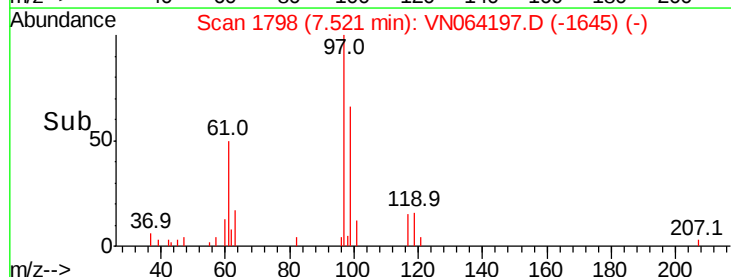
4000

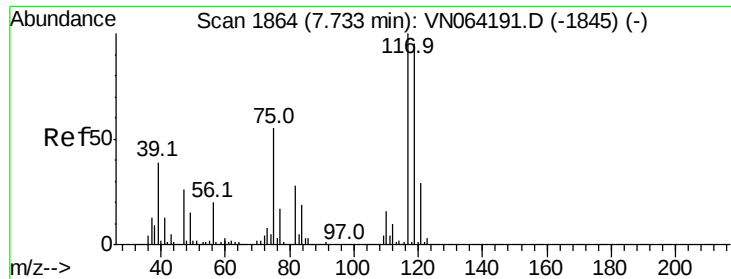
2000

0

7.45 7.50 7.55

Time-->

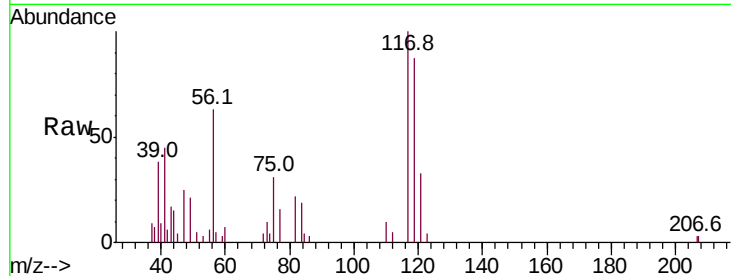




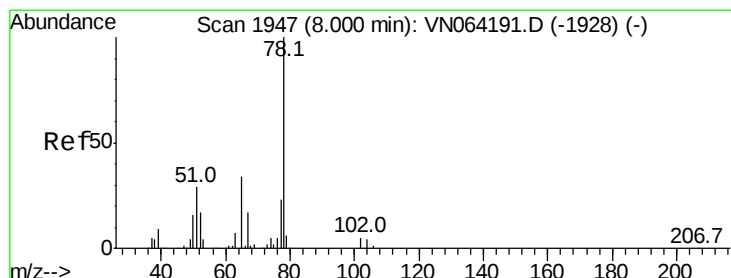
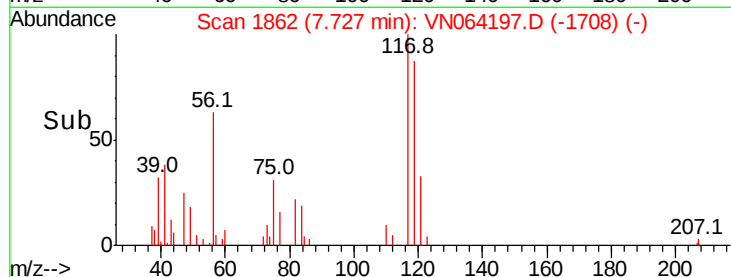
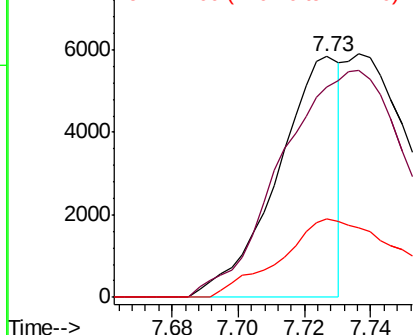
#33
Carbon Tetrachloride
Concen: 1.392 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 7628
Ion Ratio Lower Upper
117 100
119 87.5 76.0 114.0
121 32.8 23.0 34.6

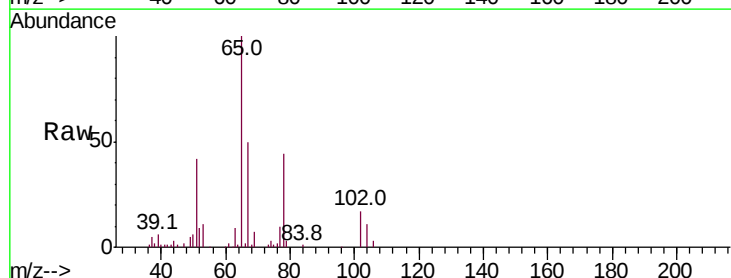


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

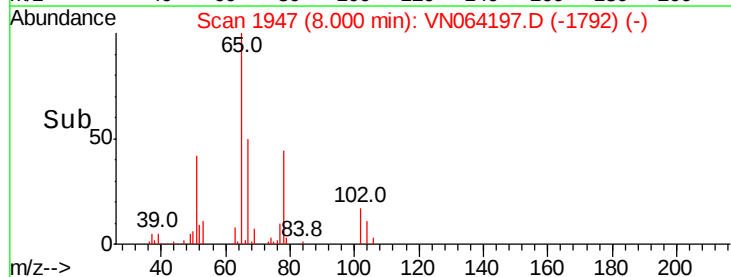
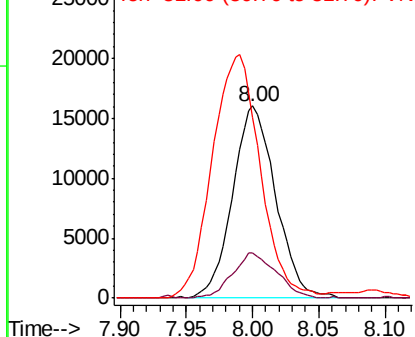


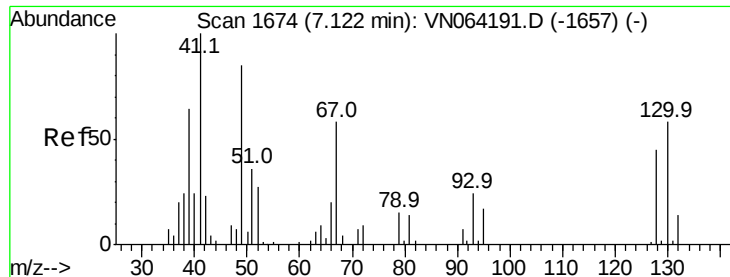
#34
Benzene
Concen: 2.754 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 78 Resp: 36184
Ion Ratio Lower Upper
78 100
77 23.4 18.4 27.6
51 91.6 23.0 34.6#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

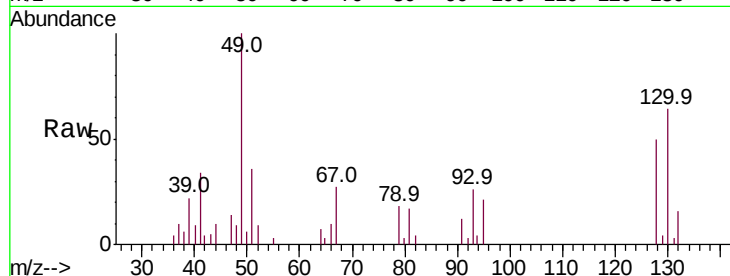




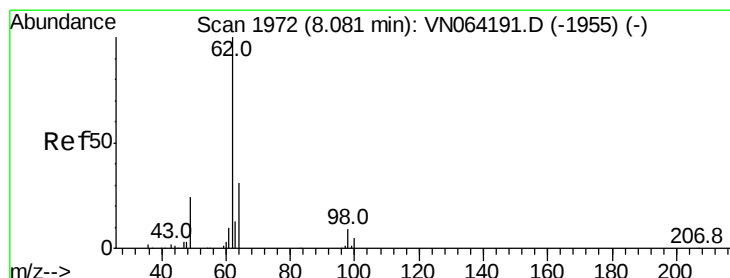
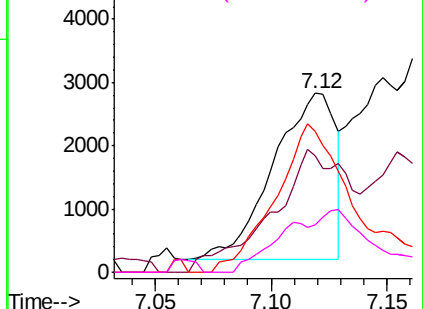
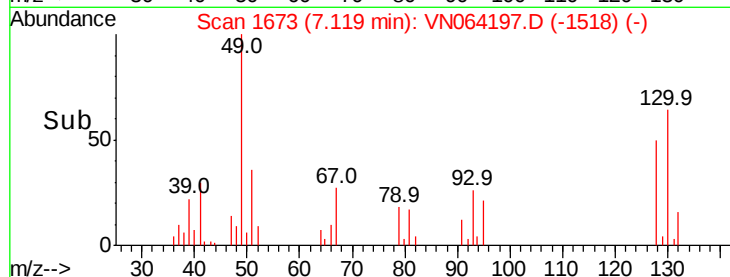
#35
Methacrylonitrile
Concen: 2.295 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 4898
Ion Ratio Lower Upper
41 100
39 69.7 32.1 96.3
67 84.6 28.9 86.8
52 21.3 13.4 40.2

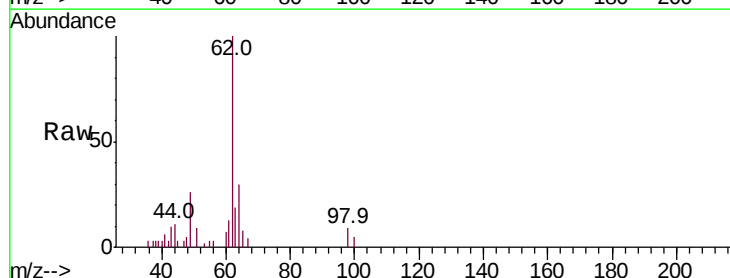


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

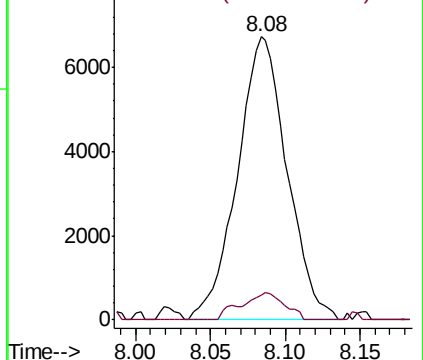
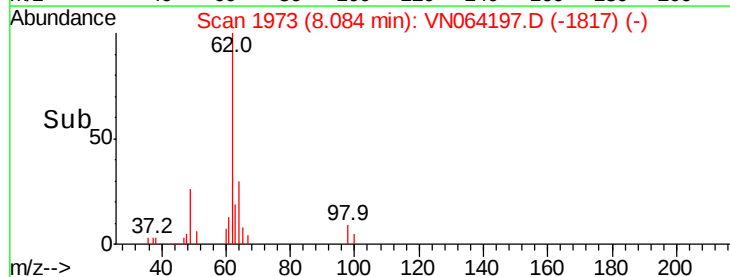


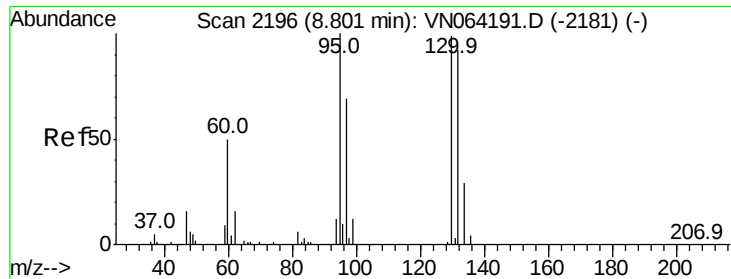
#36
1,2-Dichloroethane
Concen: 2.922 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 62 Resp: 15529
Ion Ratio Lower Upper
62 100
98 6.5 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 2.625 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

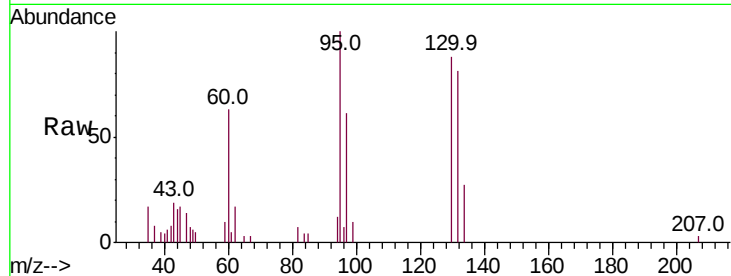
ClientSampleId :

Tot Ion:130 Resp: 9496

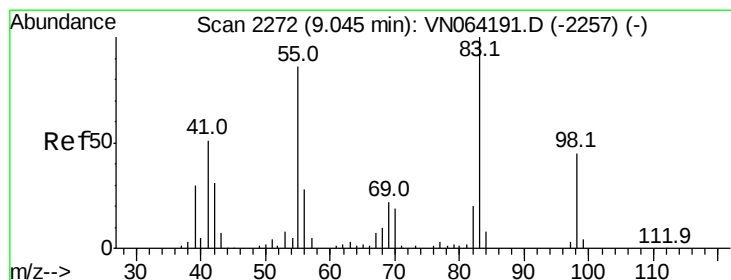
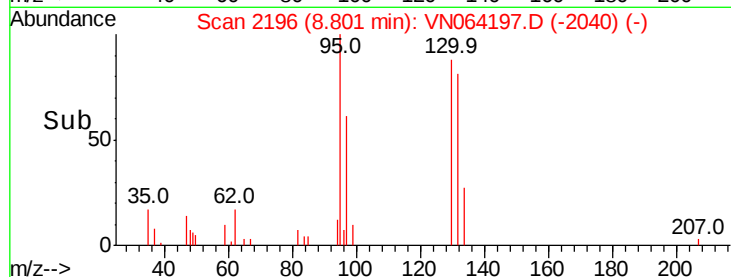
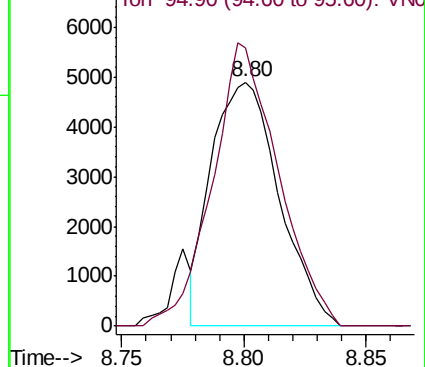
Ion Ratio Lower Upper

130 100

95 113.7 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): VN064197.D (-2181) (-)



#38

Methylcyclohexane

Concen: 2.583 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

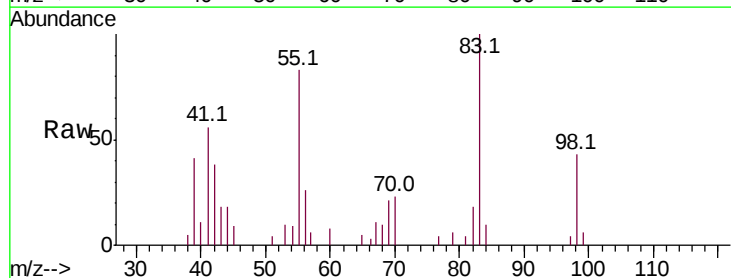
Tgt Ion: 83 Resp: 11657

Ion Ratio Lower Upper

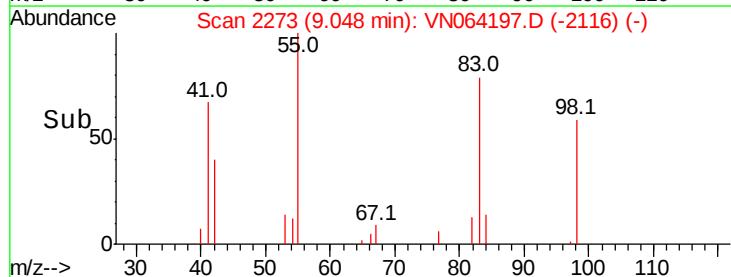
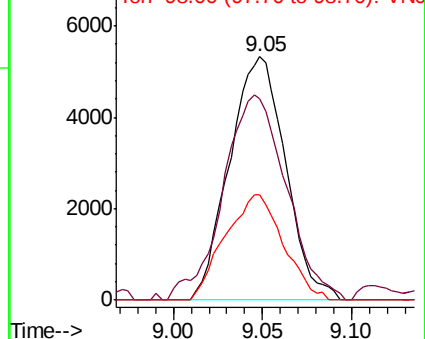
83 100

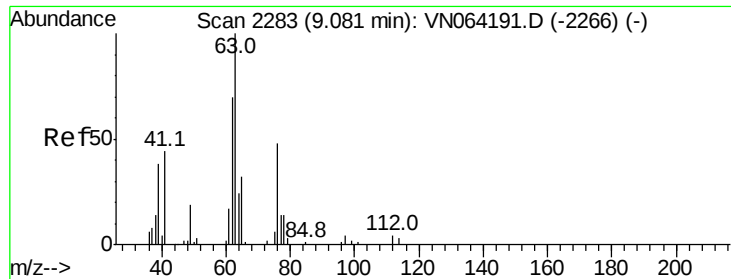
55 92.1 40.3 120.9

98 44.8 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN064197.D (-2257) (-)





#39

1,2-Dichloropropane

Concen: 2.781 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

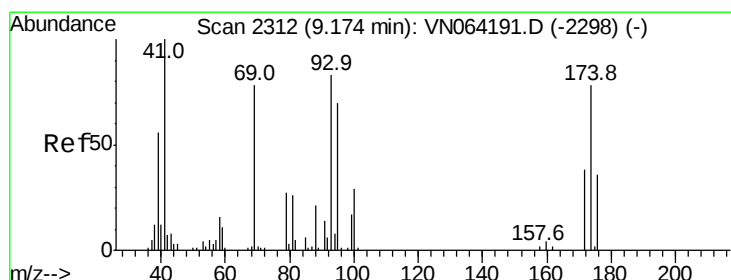
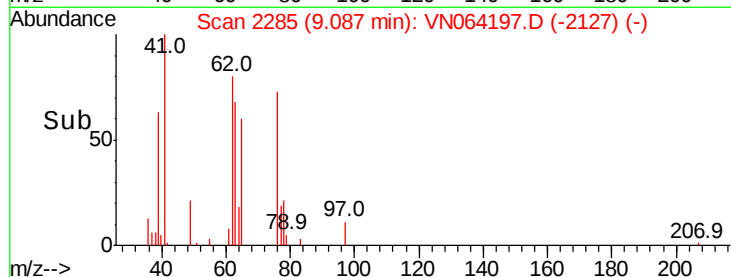
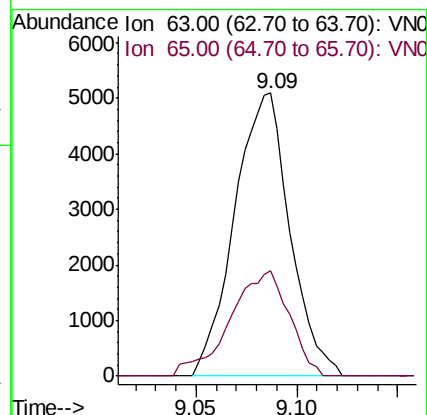
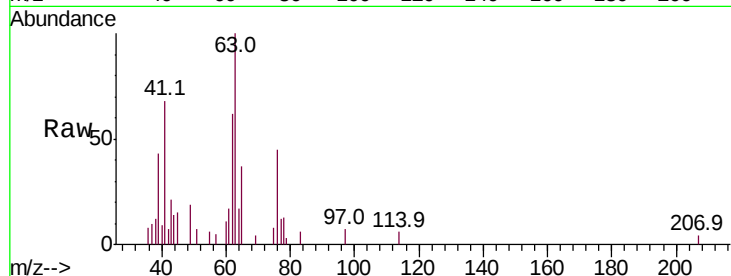
ClientSampleId :

Tot Ion: 63 Resp: 9751

Ion Ratio Lower Upper

63 100

65 37.2 26.5 39.7



#40

Dibromomethane

Concen: 2.935 ug/l

RT: 9.18 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

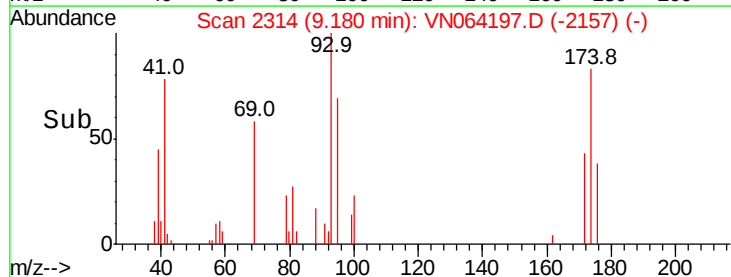
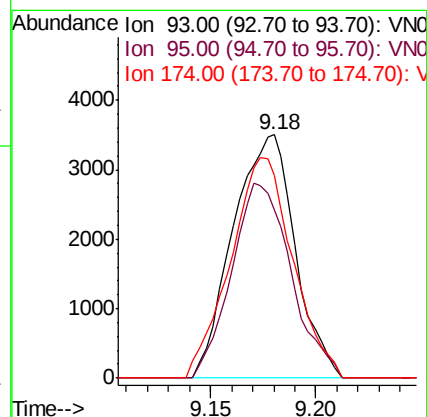
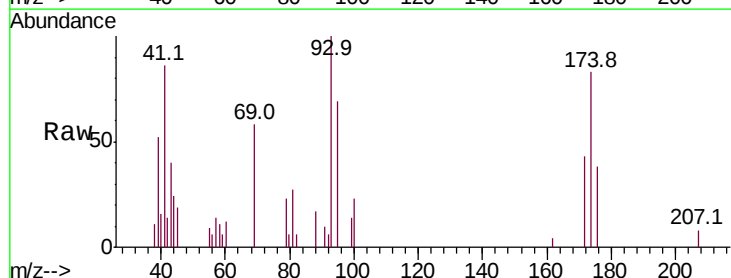
Tgt Ion: 93 Resp: 7161

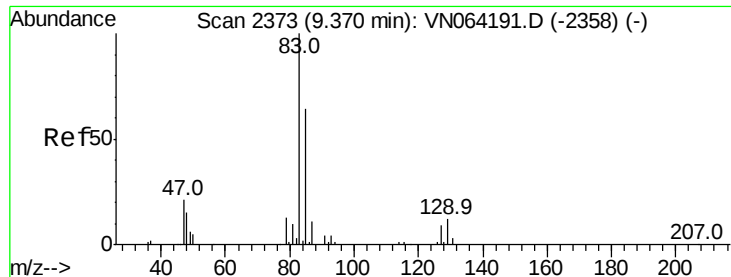
Ion Ratio Lower Upper

93 100

95 76.8 0.0 169.2

174 90.8 0.0 187.4





#41

Bromodichloromethane

Concen: 2.932 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampled :

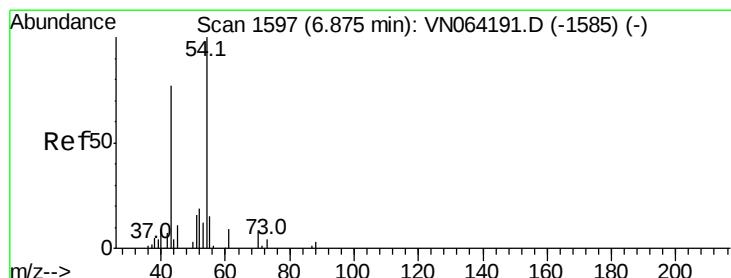
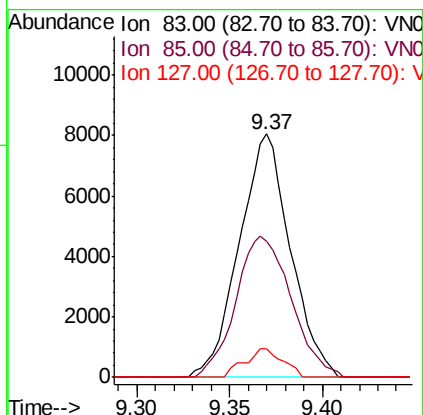
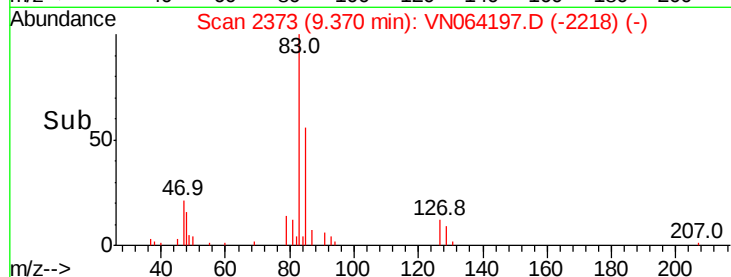
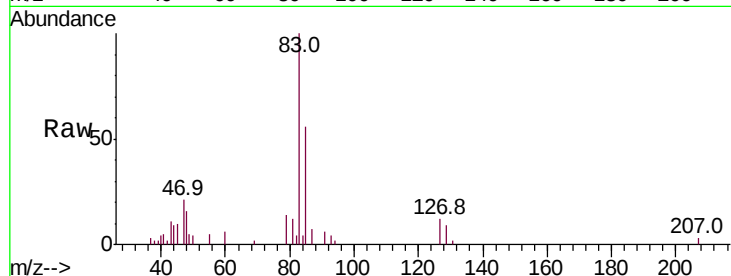
Tot Ion: 83 Resp: 15483

Ion Ratio Lower Upper

83 100

85 56.1 51.5 77.3

127 11.5 6.8 10.2#



#43

Ethyl Acetate

Concen: 1.096 ug/l

RT: 6.87 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN064197.D

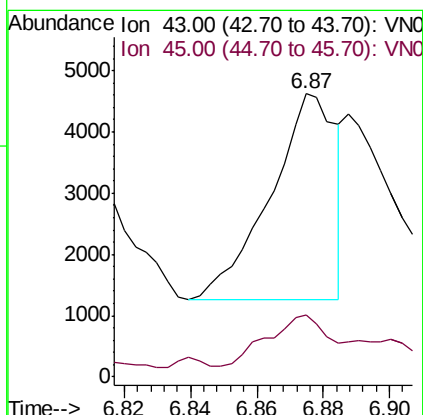
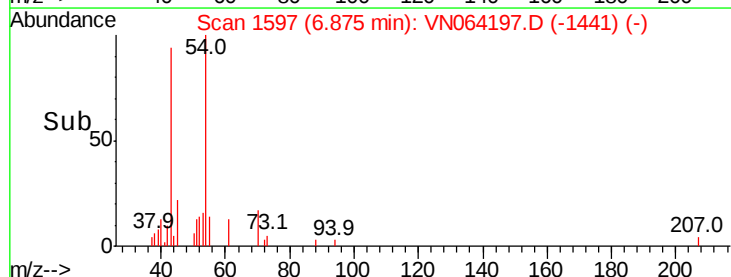
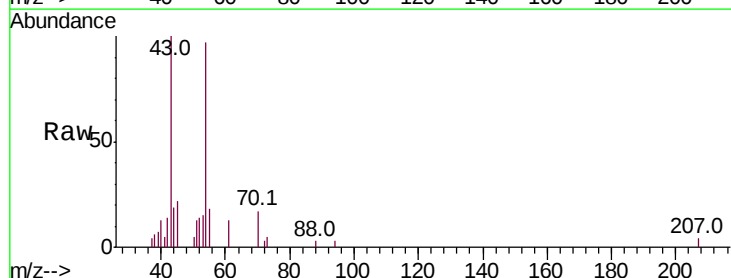
Acq: 20 Oct 2020 15:55

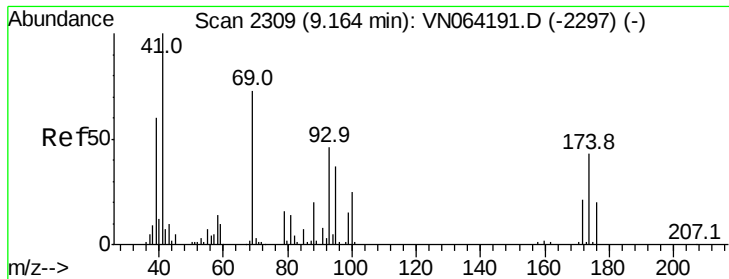
Tgt Ion: 43 Resp: 4658

Ion Ratio Lower Upper

43 100

45 22.1 9.8 14.8#

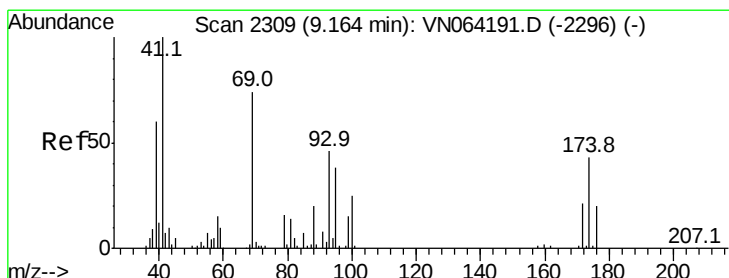
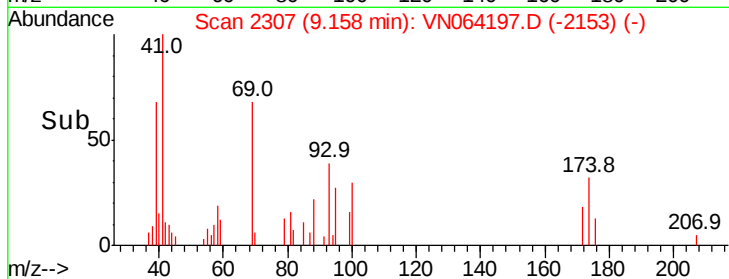
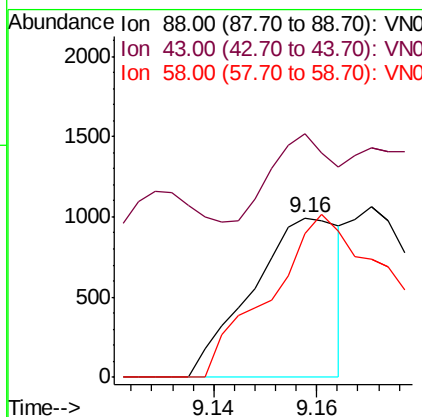
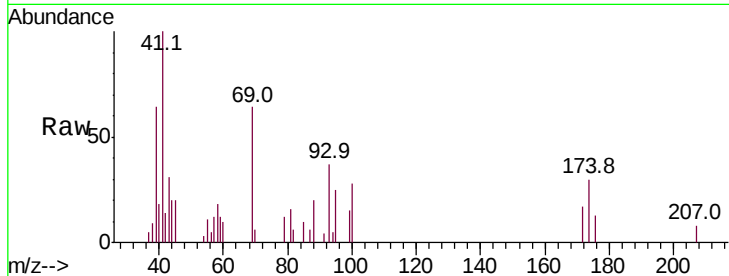




#45
1,4-Dioxane
Concen: 24.519 ug/l
RT: 9.16 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

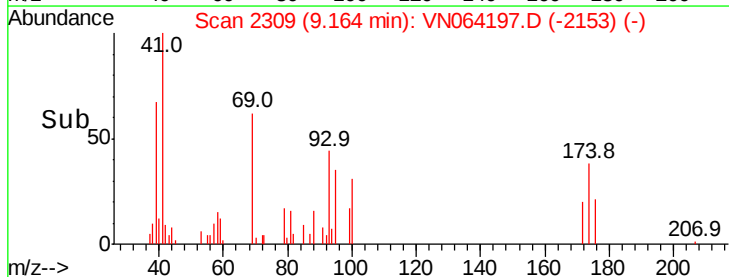
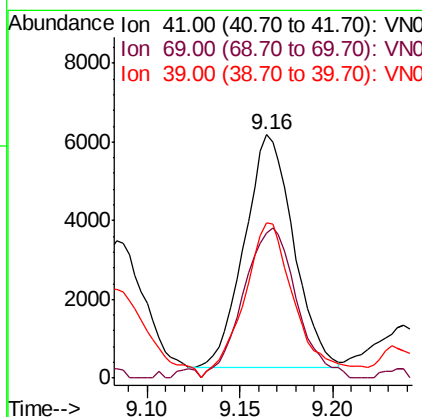
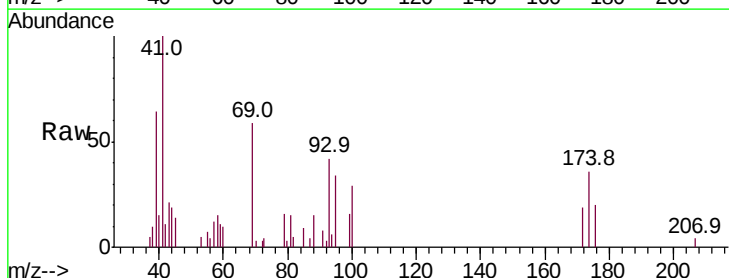
Instrument :
MSVOA_N
ClientSampleId :

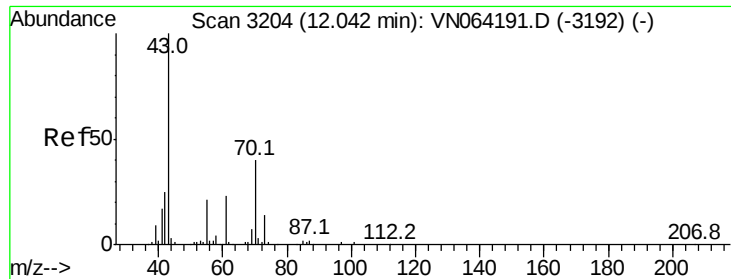
Tot Ion: 88 Resp: 1170
Ion Ratio Lower Upper
88 100
43 37.5 37.0 55.4
58 141.7 62.4 93.6#



#46
Methyl methacrylate
Concen: 2.796 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 41 Resp: 10826
Ion Ratio Lower Upper
41 100
69 58.2 36.8 110.4
39 61.3 30.4 91.2

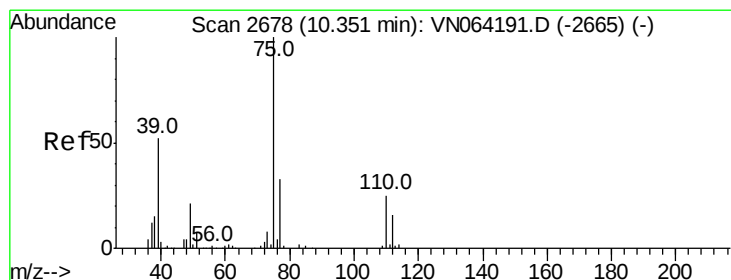
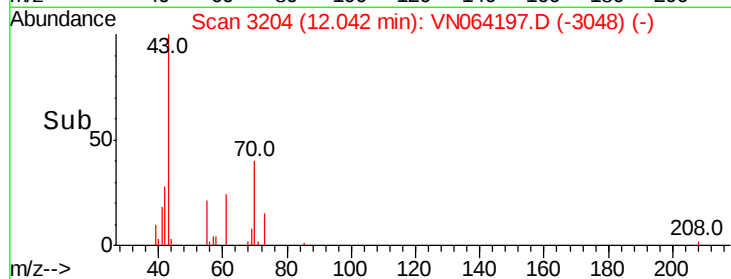
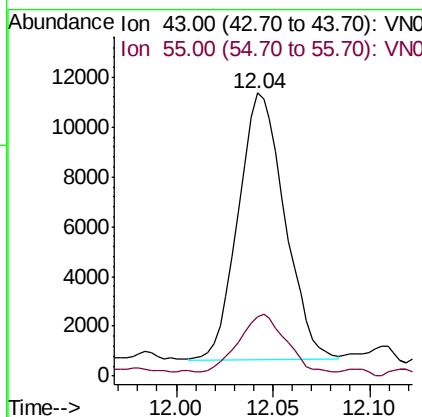
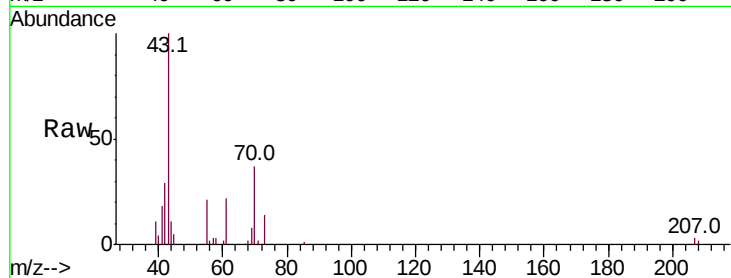




#47
 n-amvl Acetate
 Concen: 2.476 ug/l
 RT: 12.04 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

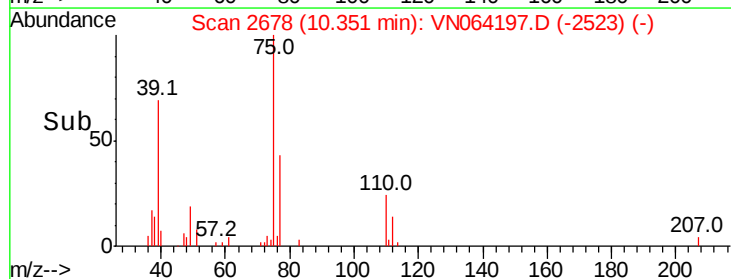
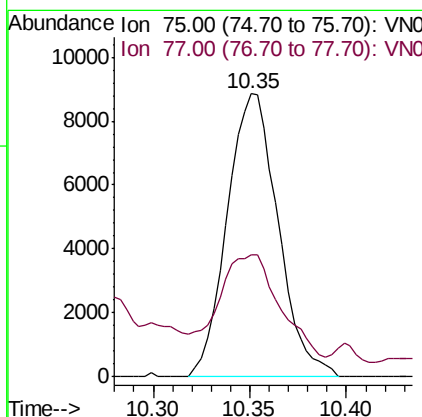
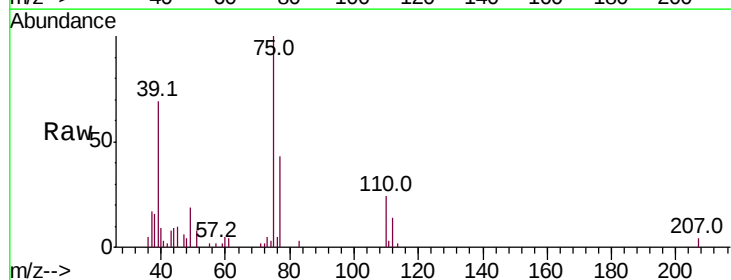
Instrument :
 MSVOA_N
 ClientSampleId :

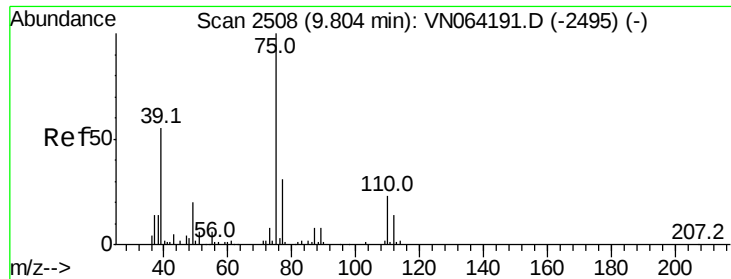
Tot Ion: 43 Resp: 17923
 Ion Ratio Lower Upper
 43 100
 55 21.3 17.6 26.4



#48
 t-1,3-Dichloropropene
 Concen: 2.724 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion: 75 Resp: 16220
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.4 41.2



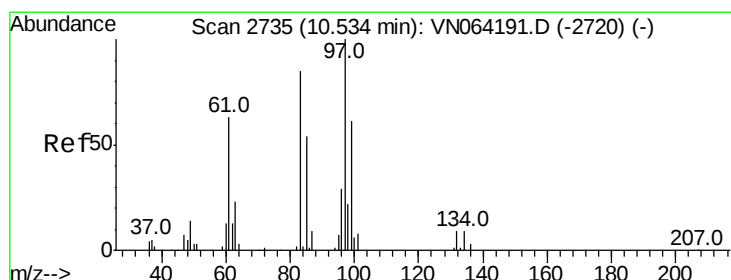
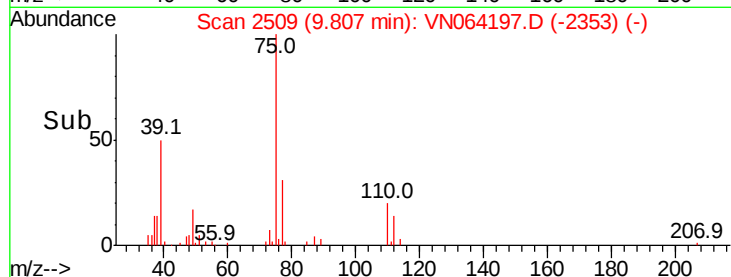
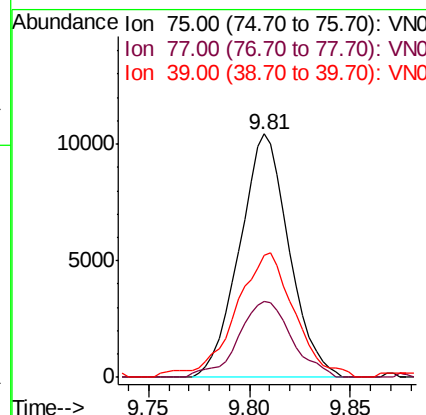
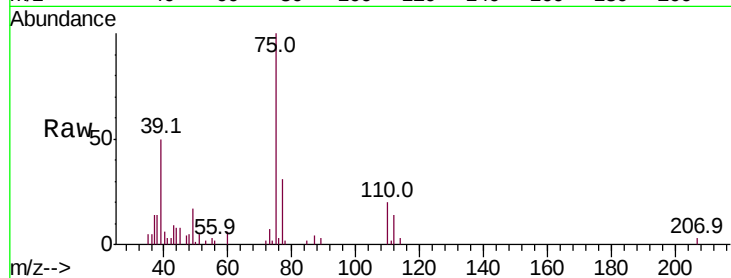


#49

cis-1,3-Dichloropropene
 Concen: 2.906 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampled :

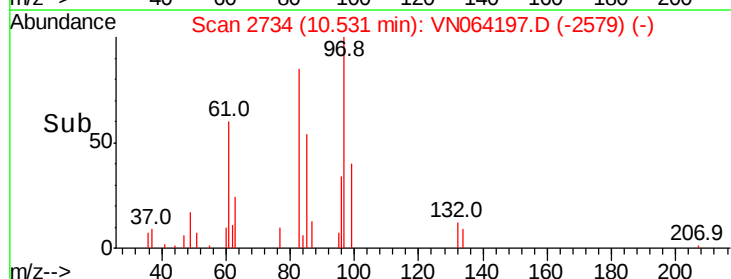
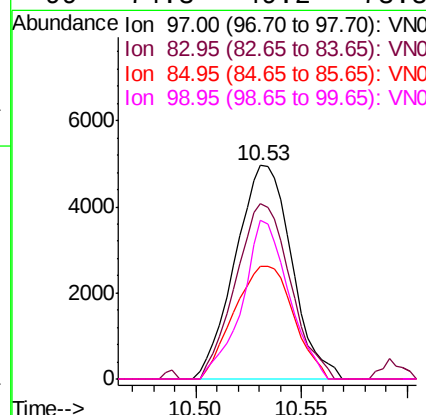
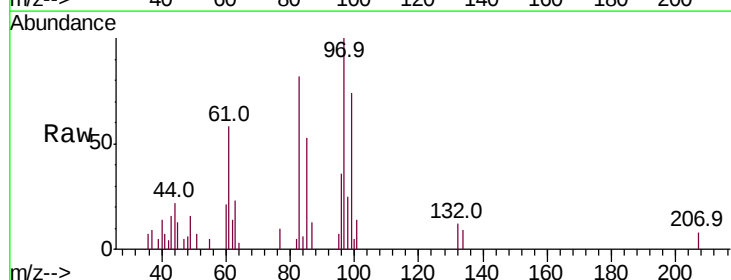
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7
39	47.3	43.8	65.8

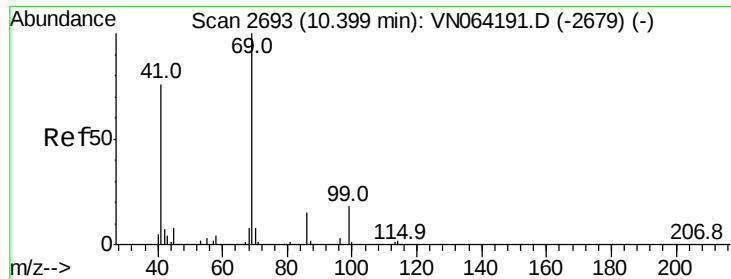


#50

1,1,2-Trichloroethane
 Concen: 2.828 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.7	101.5
85	52.6	43.2	64.8
99	74.3	49.2	73.8





#51

Ethyl methacrylate

Concen: 2.668 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

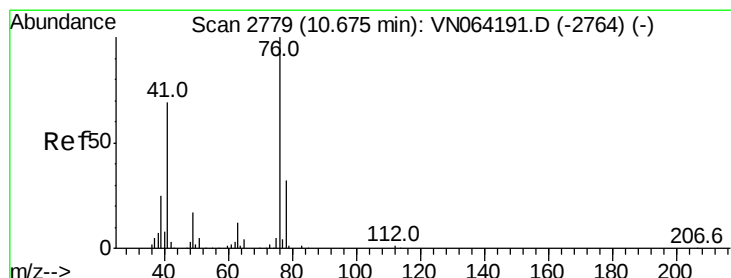
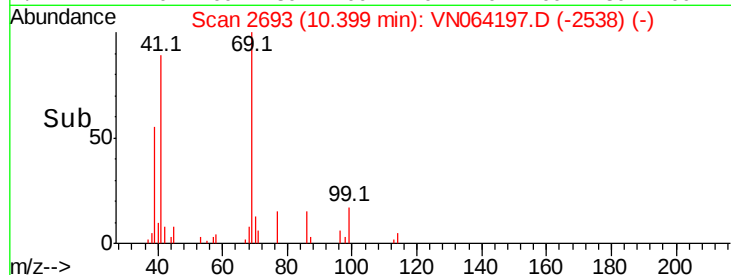
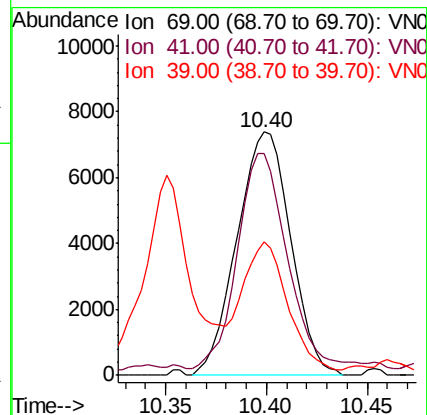
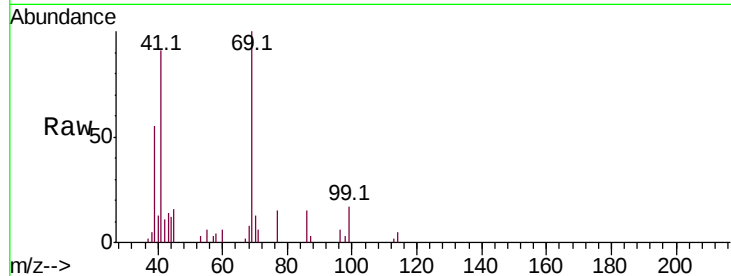
Tot Ion: 69 Resp: 13791

Ion Ratio Lower Upper

69 100

41 87.9 38.0 114.1

39 52.2 21.4 64.3



#52

1,3-Dichloropropane

Concen: 2.758 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064197.D

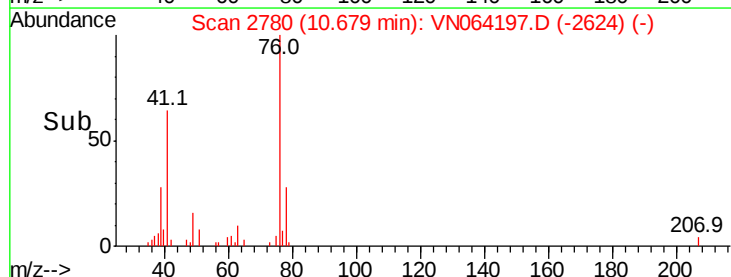
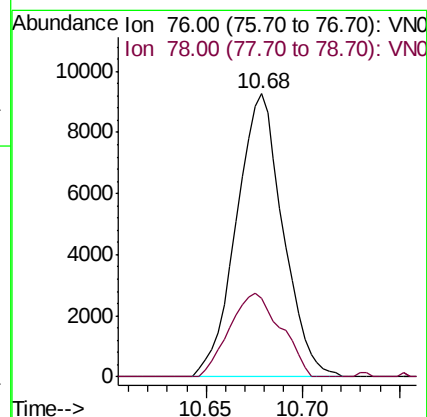
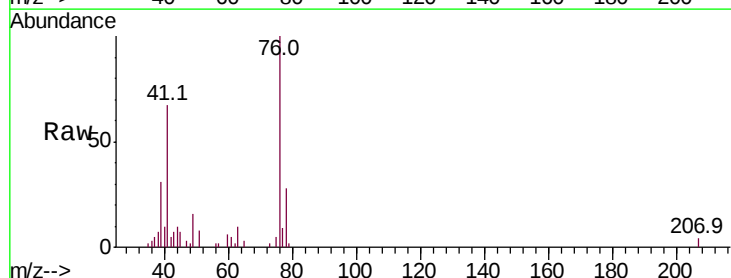
Acq: 20 Oct 2020 15:55

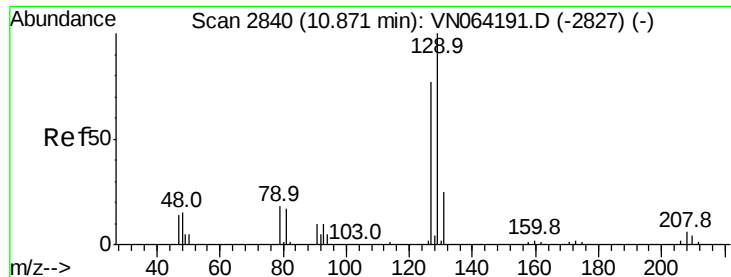
Tgt Ion: 76 Resp: 15540

Ion Ratio Lower Upper

76 100

78 32.4 0.0 64.4

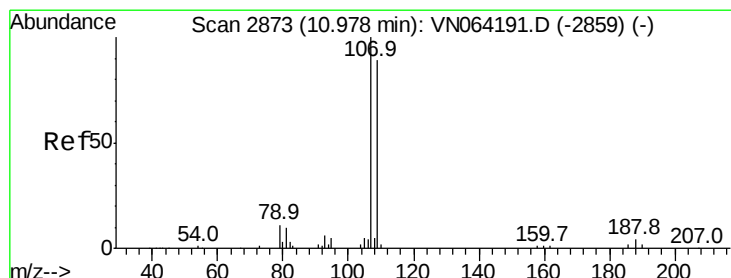
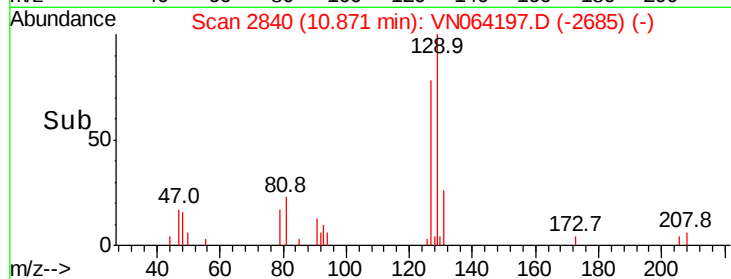
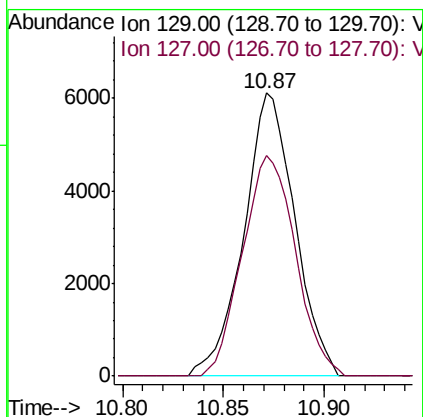
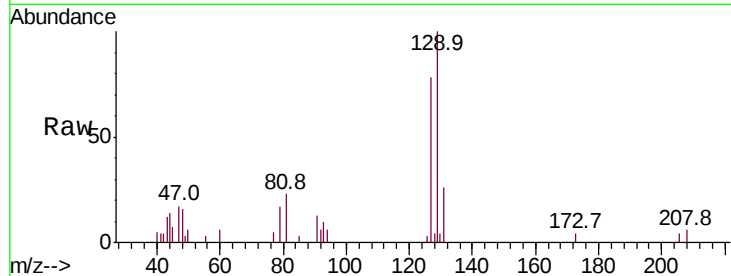




#53
Dibromochloromethane
Concen: 2.627 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

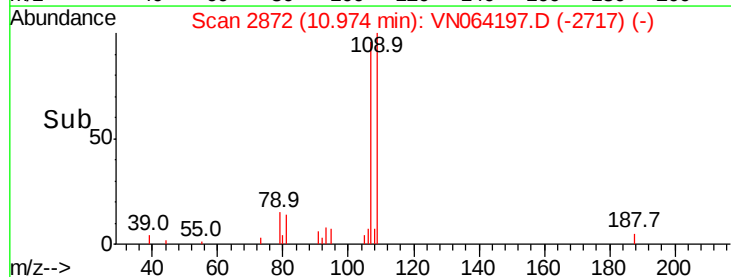
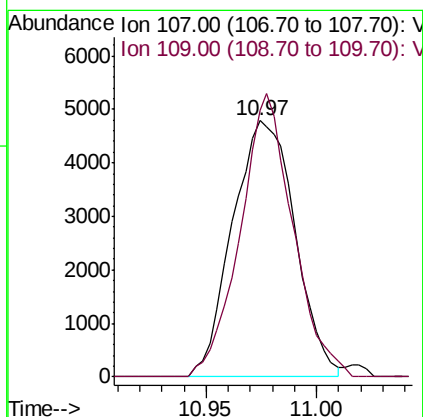
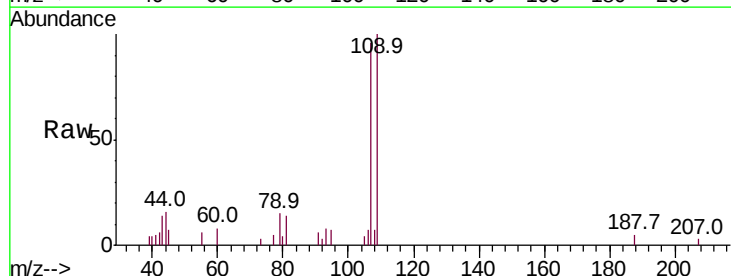
Instrument :
MSVOA_N
ClientSampleId :

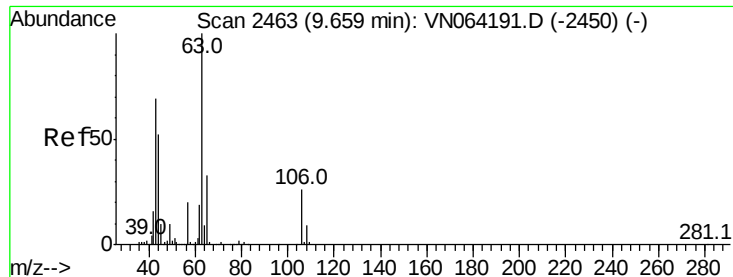
Tot Ion:129 Resp: 10806
Ion Ratio Lower Upper
129 100
127 81.2 39.0 117.0



#54
1,2-Dibromoethane
Concen: 2.698 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion:107 Resp: 9373
Ion Ratio Lower Upper
107 100
109 93.6 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 11.753 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

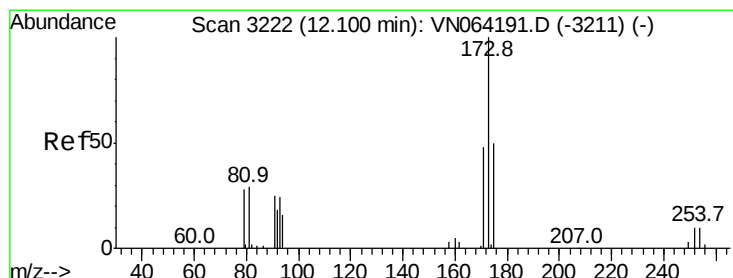
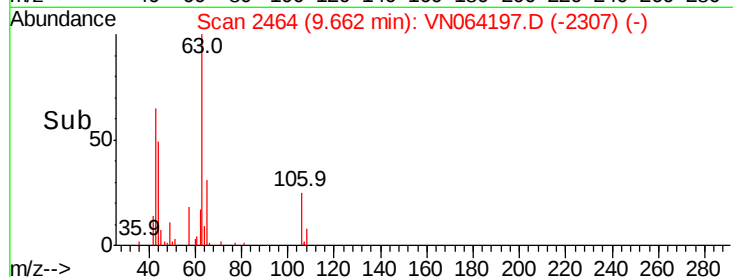
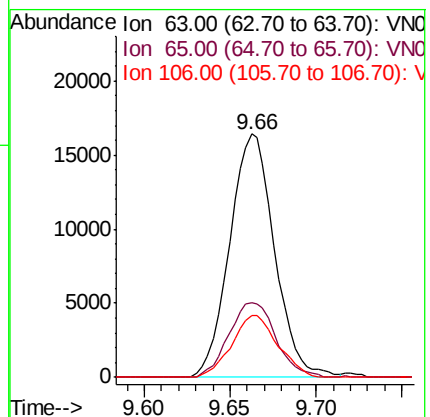
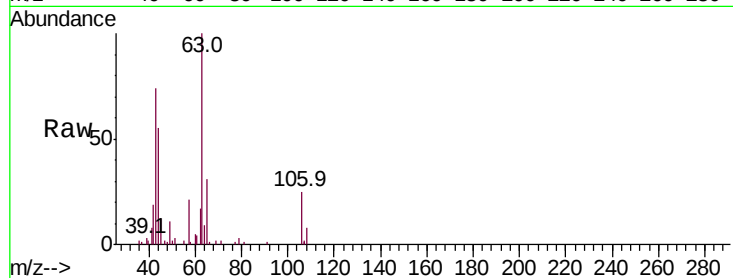
Tot Ion: 63 Resp: 29855

Ion Ratio Lower Upper

63 100

65 32.2 25.9 38.9

106 26.1 21.4 32.2



#56

Bromoform

Concen: 2.689 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

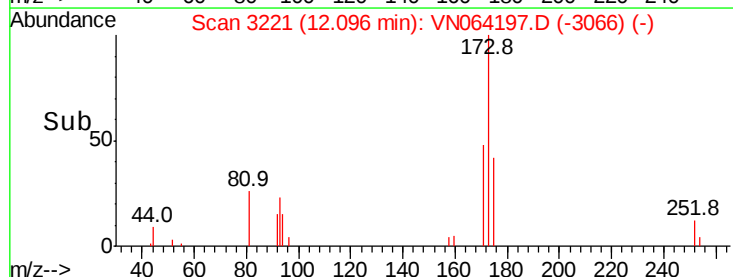
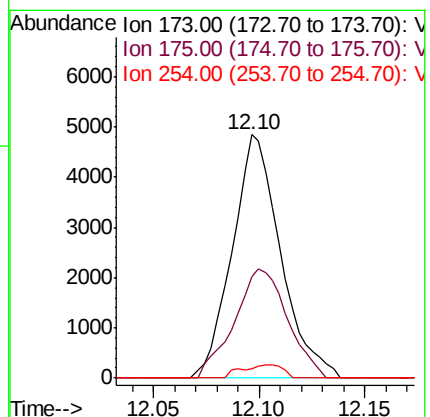
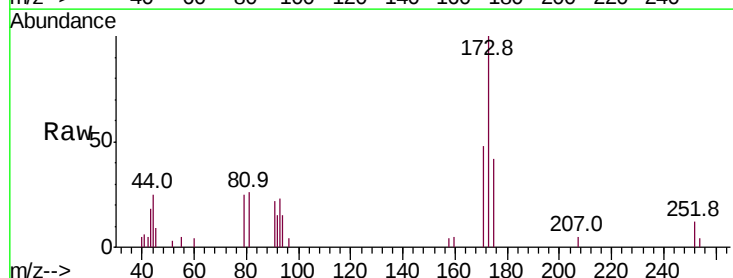
Tgt Ion: 173 Resp: 7704

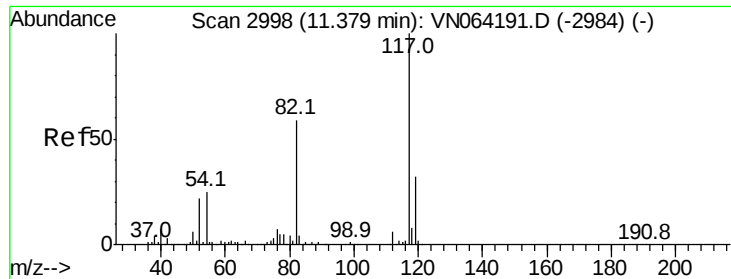
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 3.3 6.8 10.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

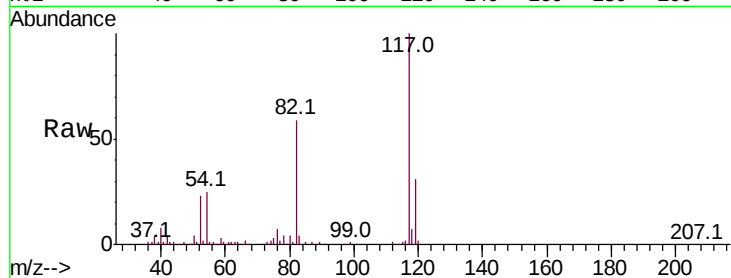
Tot Ion:117 Resp: 251383

Ion Ratio Lower Upper

117 100

82 59.9 47.8 71.8

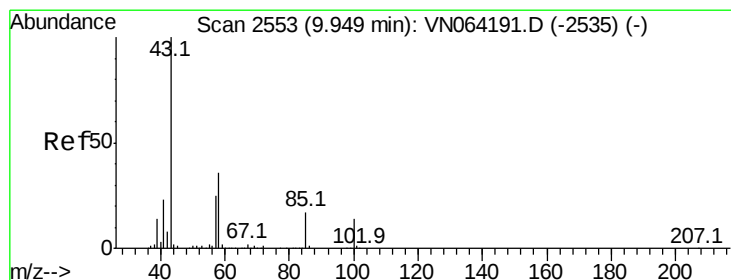
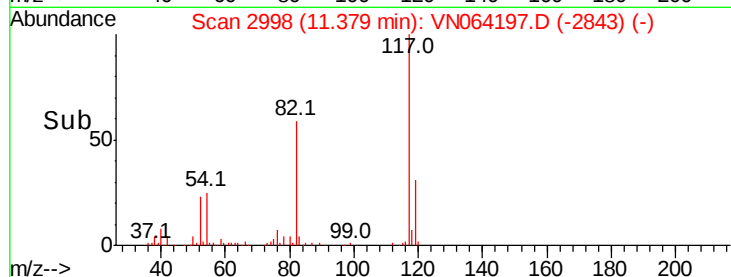
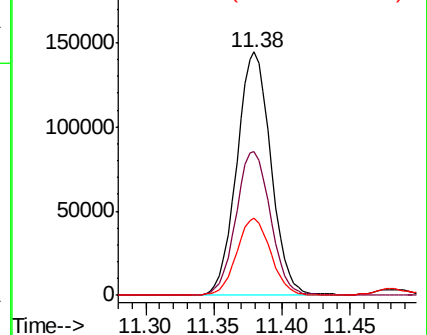
119 31.6 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 14.171 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

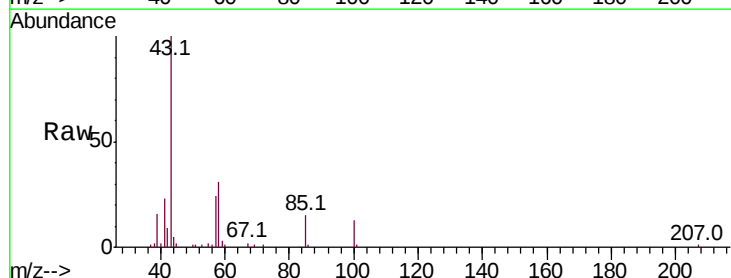
Tgt Ion: 43 Resp: 60367

Ion Ratio Lower Upper

43 100

58 36.4 29.5 44.3

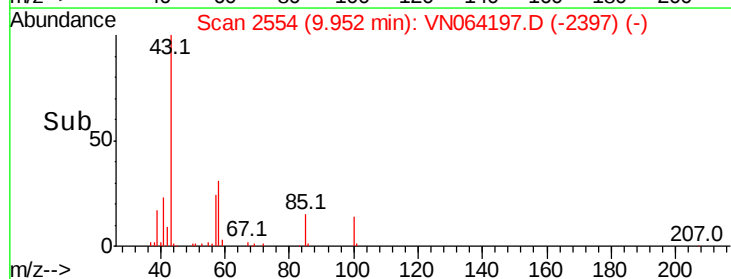
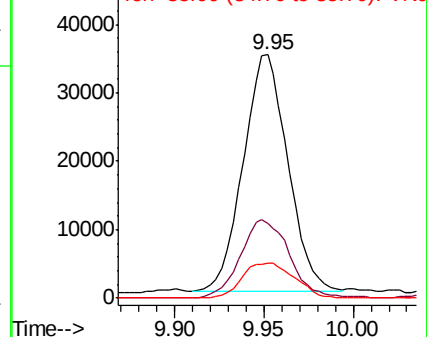
85 17.4 13.7 20.5

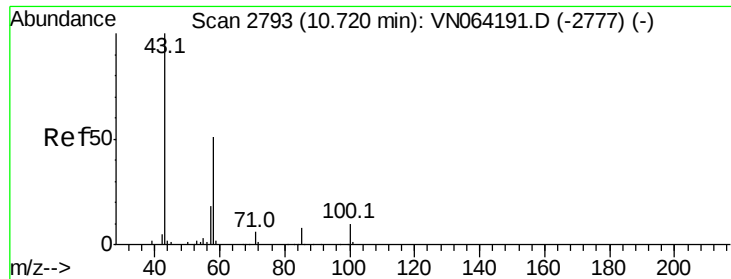


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN

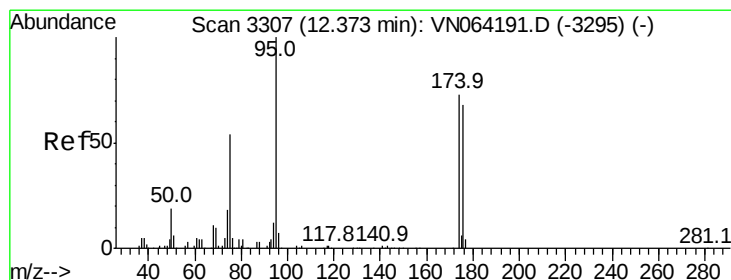
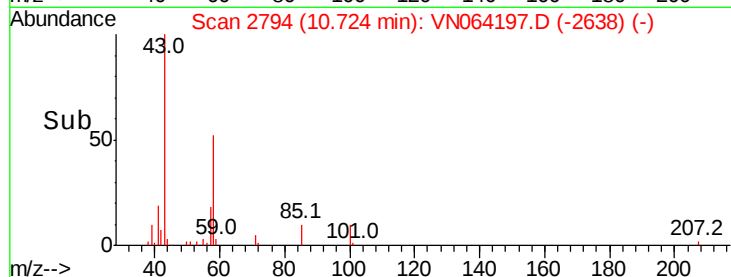
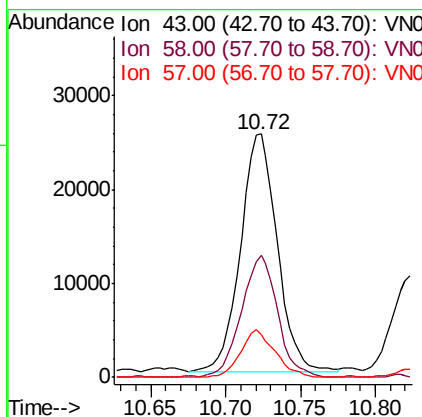
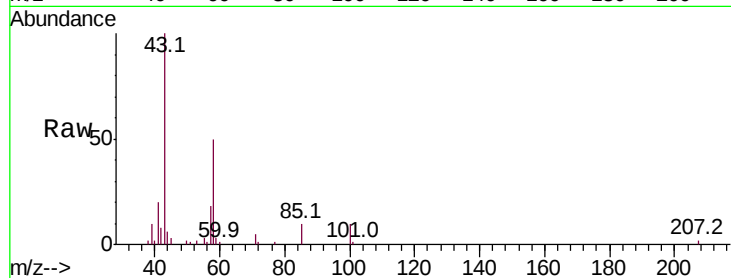




#59
2-Hexanone
Concen: 13.635 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

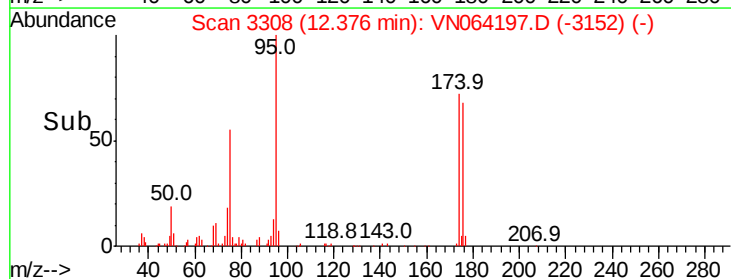
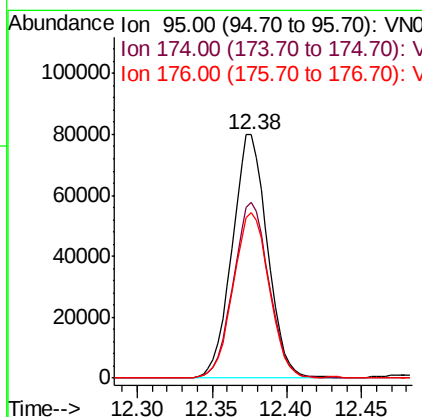
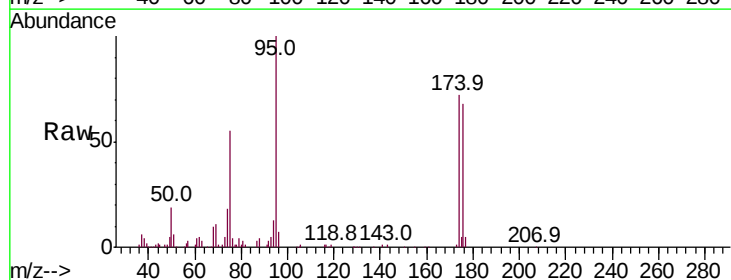
Instrument :
MSVOA_N
ClientSampleId :

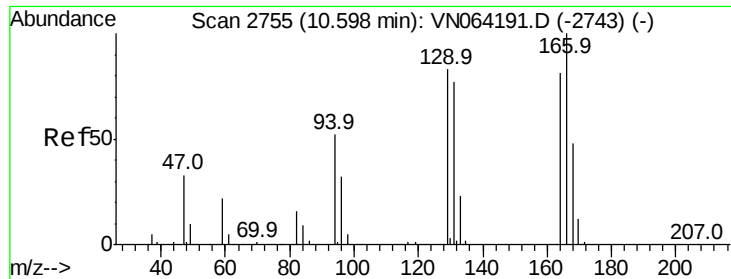
Tot Ion: 43 Resp: 43119
Ion Ratio Lower Upper
43 100
58 50.6 40.2 60.4
57 18.7 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 29.115 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 95 Resp: 131162
Ion Ratio Lower Upper
95 100
174 73.1 57.6 86.4
176 69.4 54.9 82.3

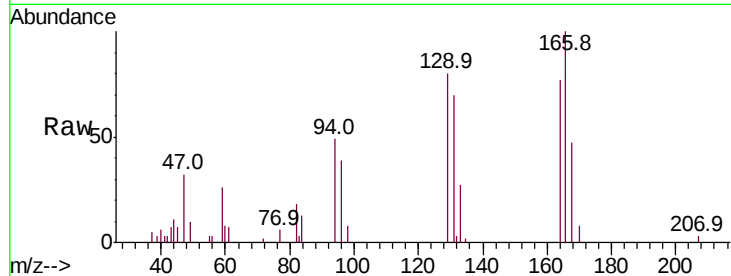




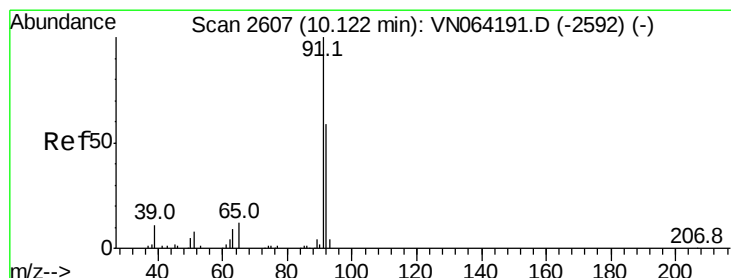
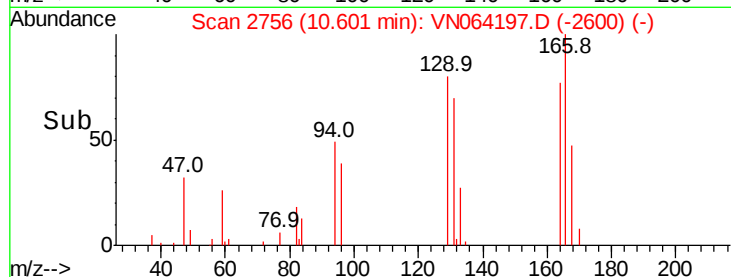
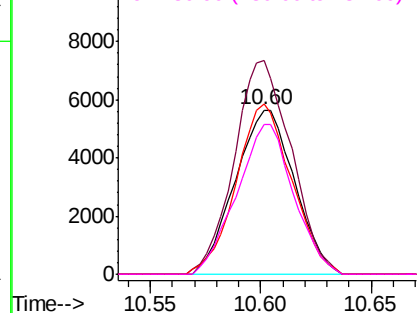
#61
Tetrachloroethene
Concen: 3.108 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:164 Resp: 10533
Ion Ratio Lower Upper
164 100
166 129.9 99.2 148.8
129 103.9 82.8 124.2
131 91.0 76.2 114.4

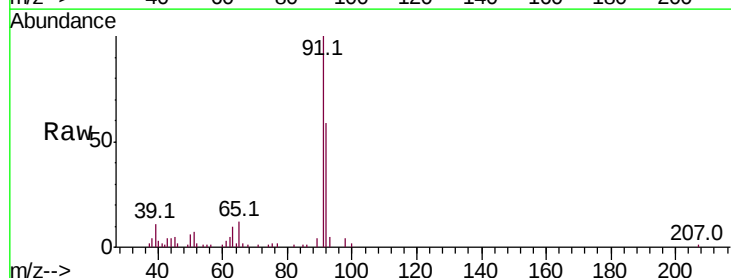


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

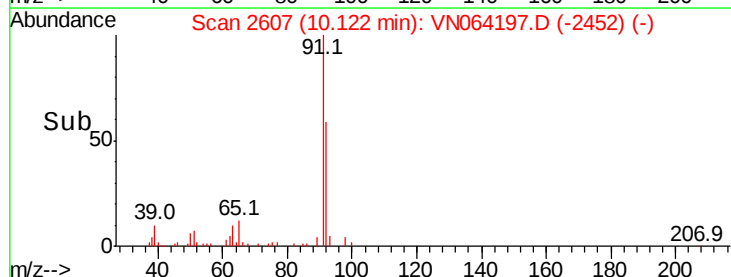
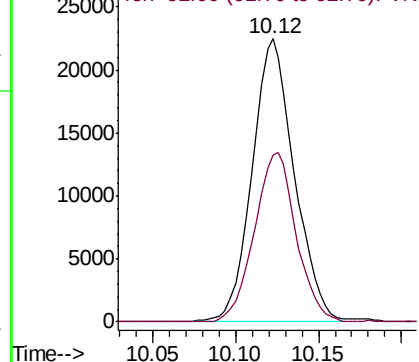


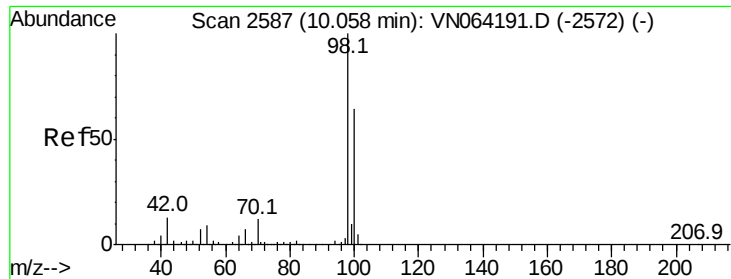
#62
Toluene
Concen: 2.775 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 91 Resp: 39879
Ion Ratio Lower Upper
91 100
92 59.2 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.725 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

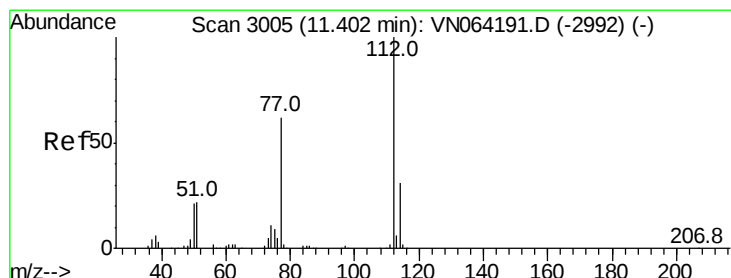
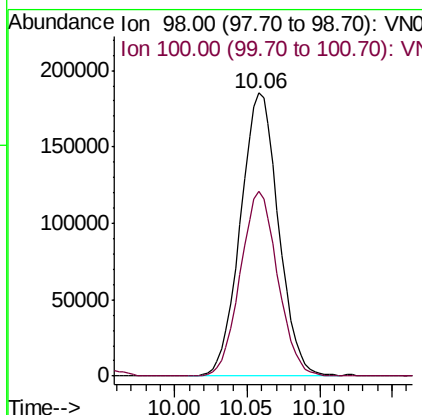
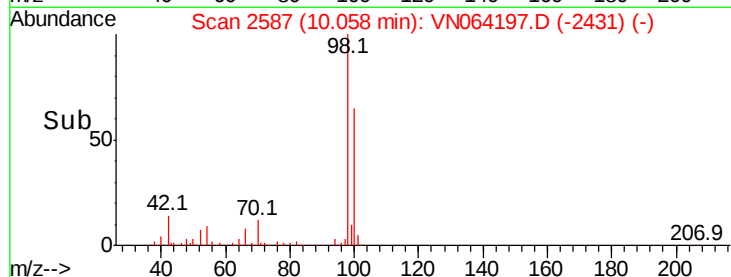
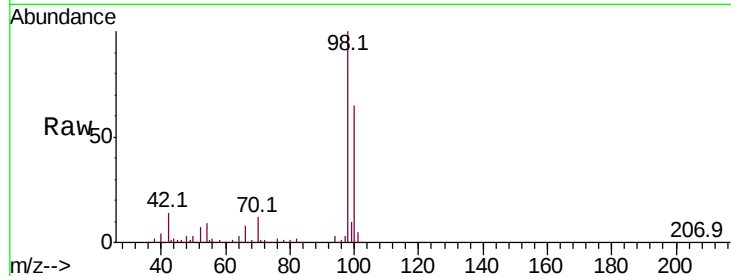
ClientSampled :

Tot Ion: 98 Resp: 338300

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



#64

Chlorobenzene

Concen: 2.736 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064197.D

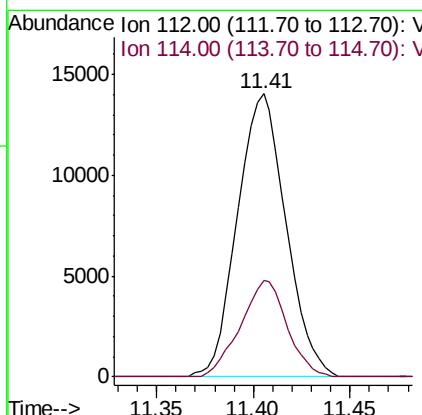
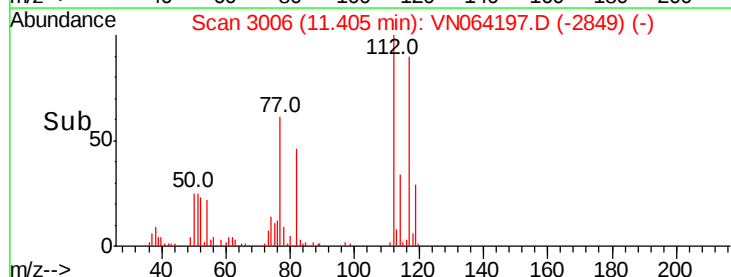
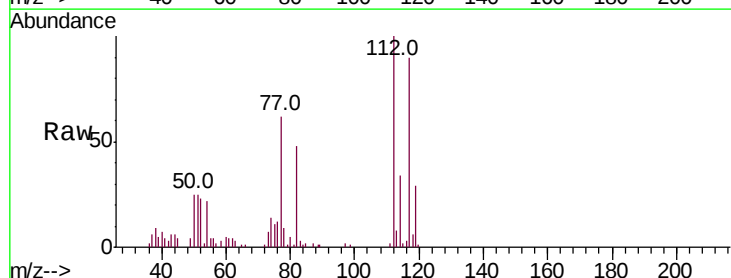
Acq: 20 Oct 2020 15:55

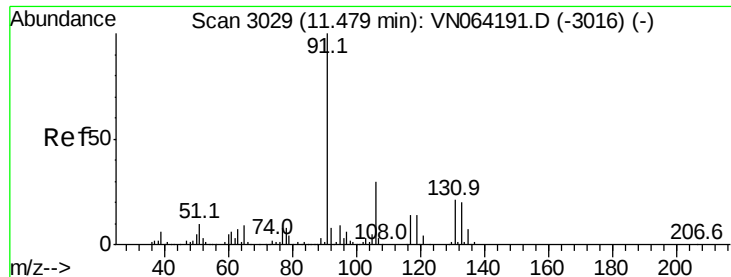
Tgt Ion: 112 Resp: 24489

Ion Ratio Lower Upper

112 100

114 33.9 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 2.679 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

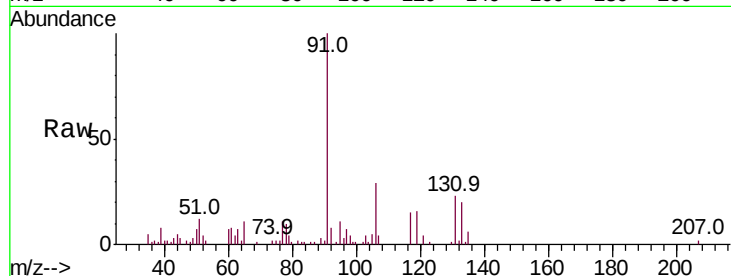
Tot Ion:131 Resp: 9393

Ion Ratio Lower Upper

131 100

133 93.7 0.0 193.0

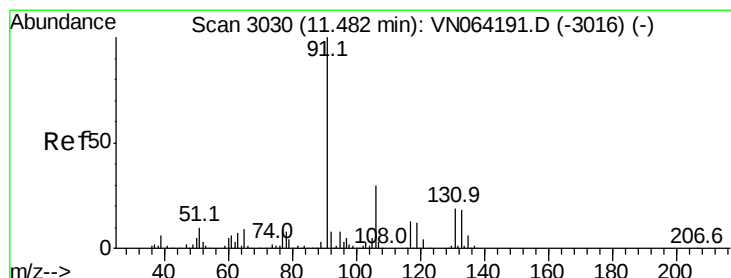
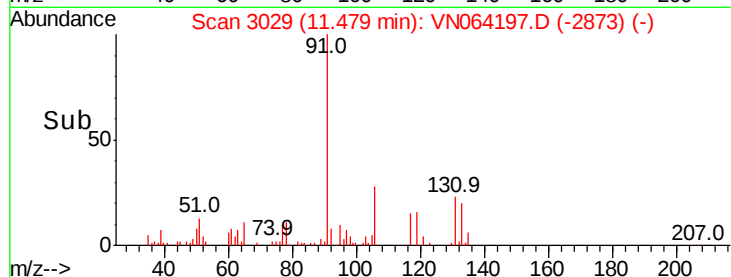
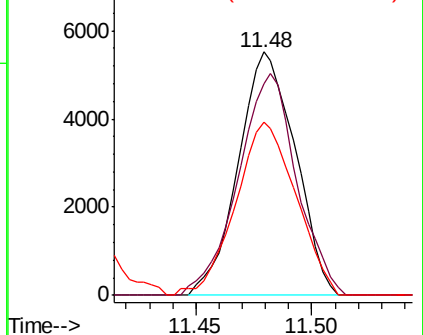
119 75.0 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.705 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064197.D

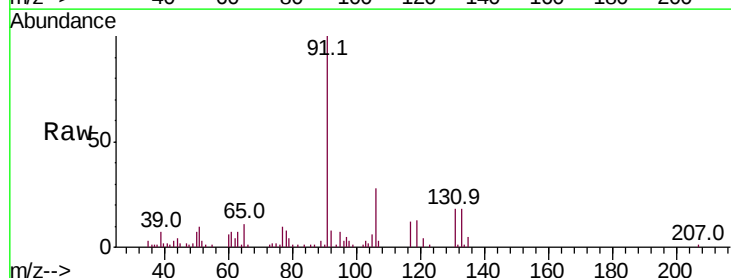
Acq: 20 Oct 2020 15:55

Tgt Ion: 91 Resp: 44691

Ion Ratio Lower Upper

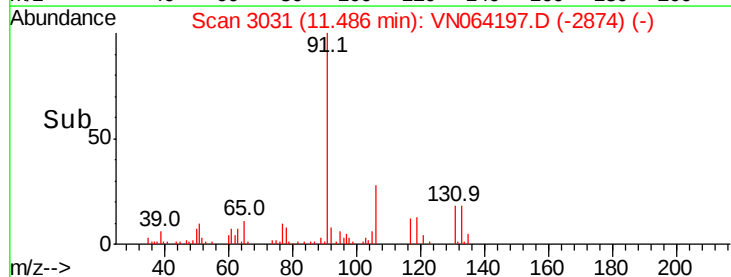
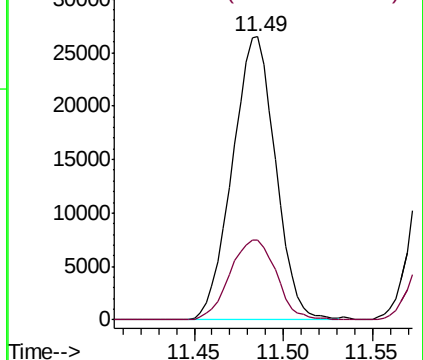
91 100

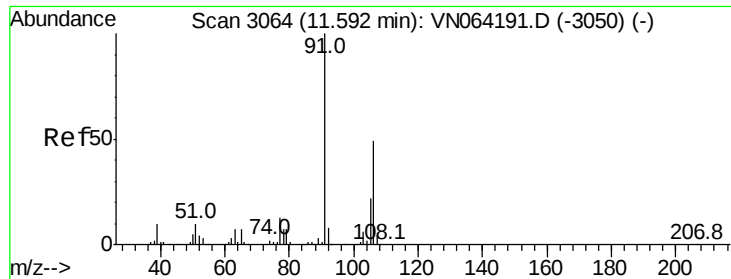
106 28.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

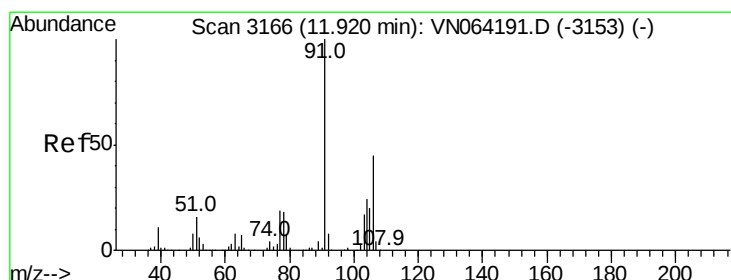
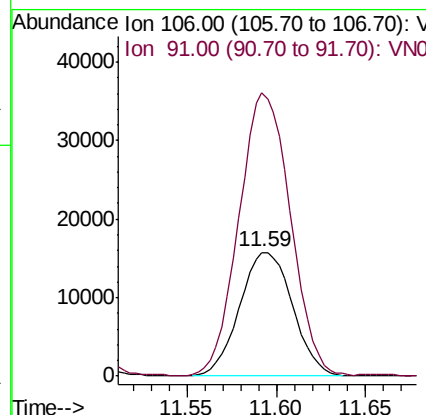
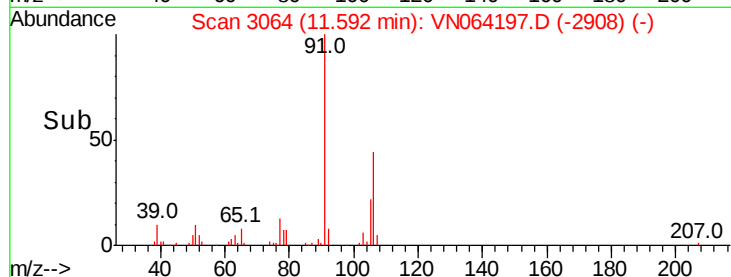
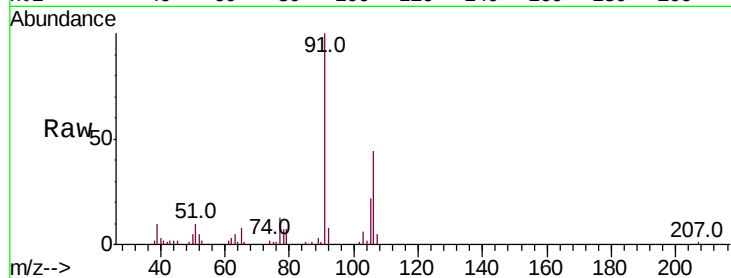




#67
m/p-Xvlenes
Concen: 5.324 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

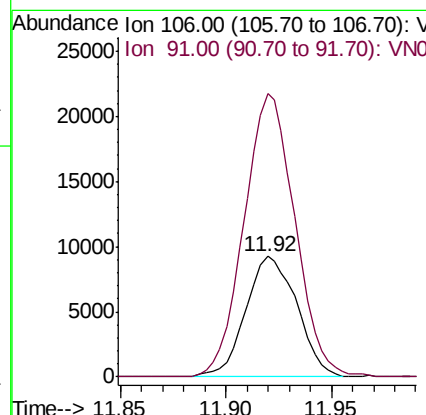
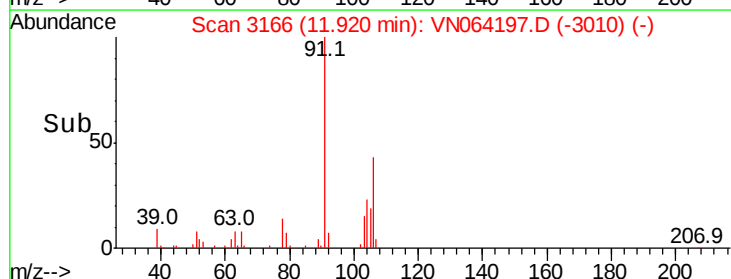
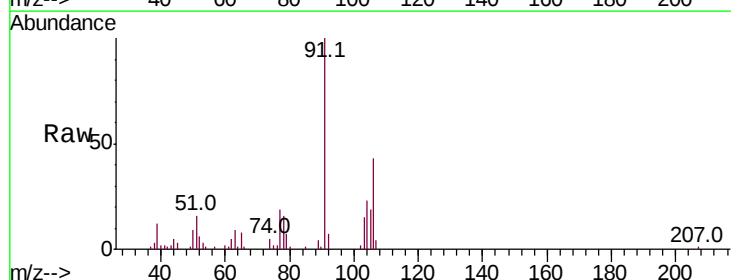
Instrument :
MSVOA_N
ClientSampled :

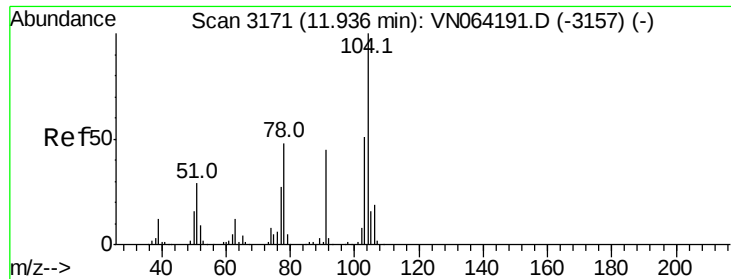
Tot Ion:106 Resp: 32713
Ion Ratio Lower Upper
106 100
91 222.1 167.9 251.9



#68
o-Xylene
Concen: 2.613 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion:106 Resp: 15582
Ion Ratio Lower Upper
106 100
91 233.7 113.9 341.7

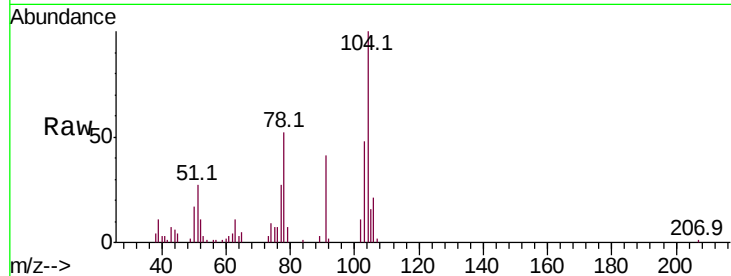




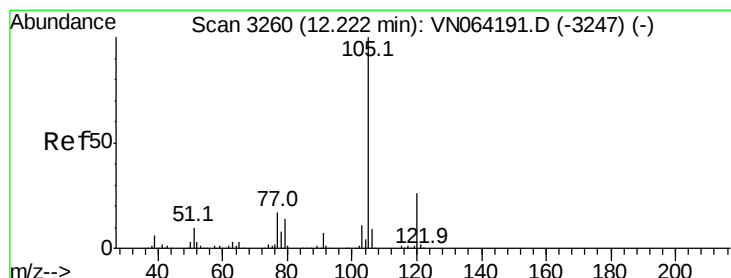
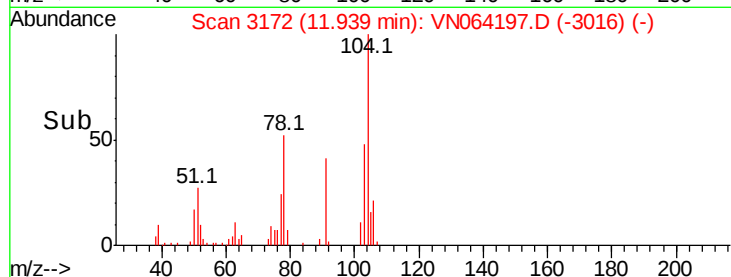
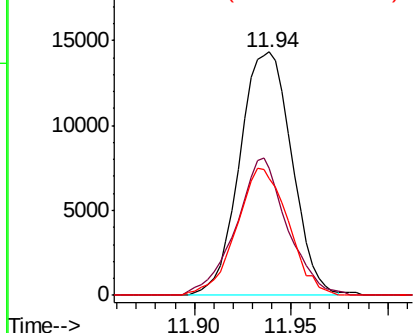
#69
Stvrene
Concen: 2.664 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 26880
Ion Ratio Lower Upper
104 100
78 55.5 43.6 65.4
103 51.8 44.8 67.2

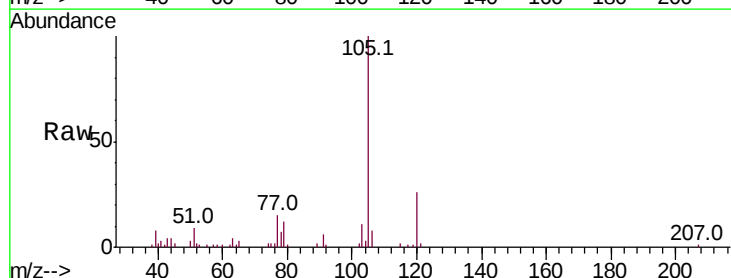


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

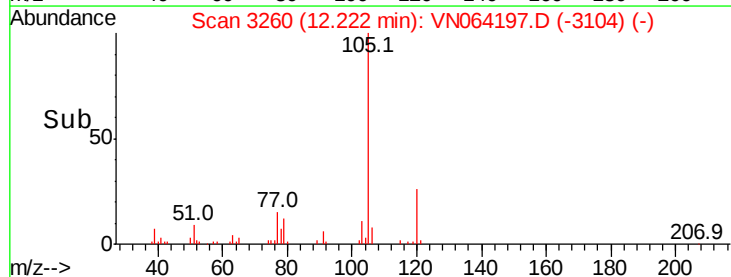
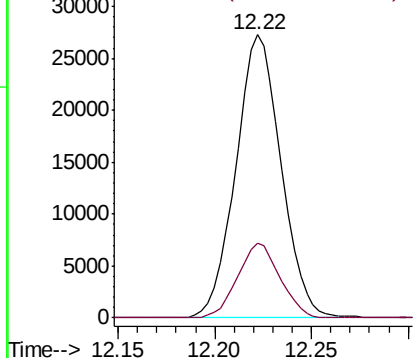


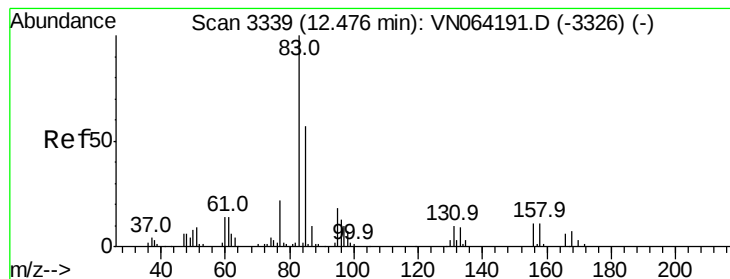
#70
Isopropylbenzene
Concen: 2.816 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion:105 Resp: 44340
Ion Ratio Lower Upper
105 100
120 24.7 18.1 33.7



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





#71

1,1,2,2-Tetrachloroethane

Concen: 2.470 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampled :

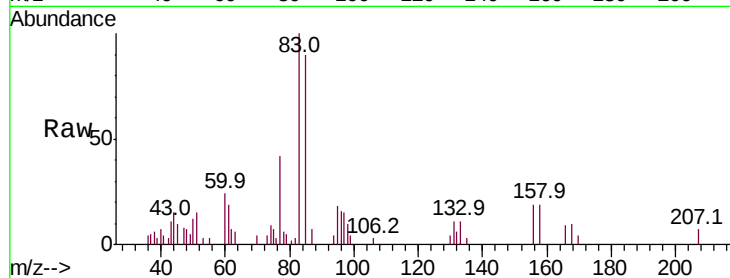
Tot Ion: 83 Resp: 10661

Ion Ratio Lower Upper

83 100

131 10.0 5.5 16.4

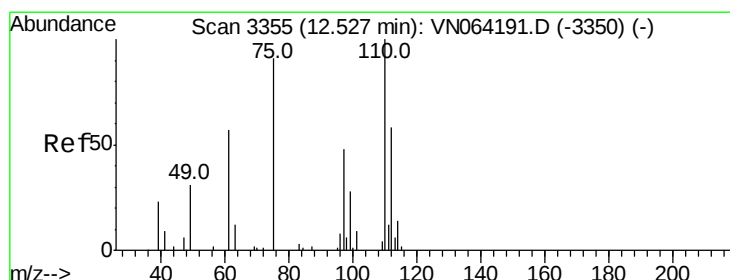
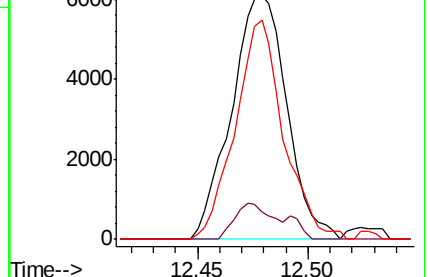
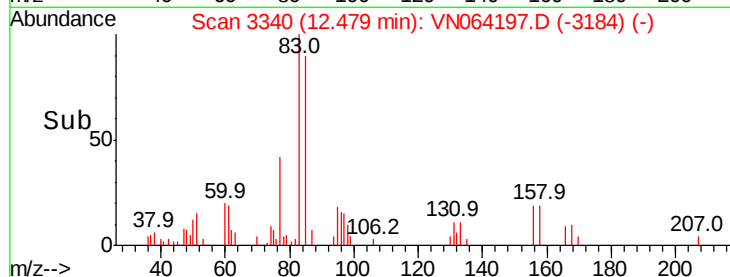
85 77.4 30.8 92.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 3.721 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064197.D

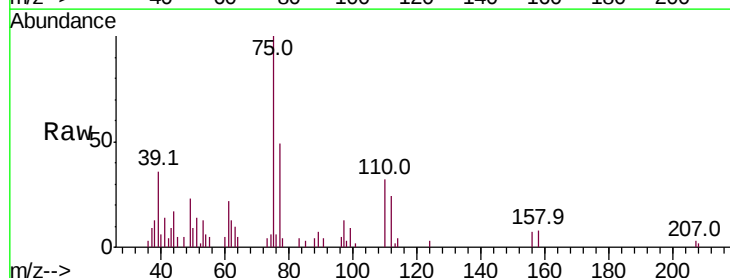
Acq: 20 Oct 2020 15:55

Tgt Ion: 75 Resp: 16757

Ion Ratio Lower Upper

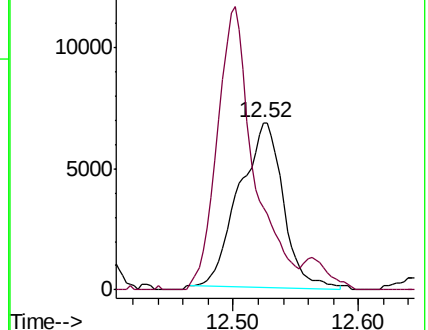
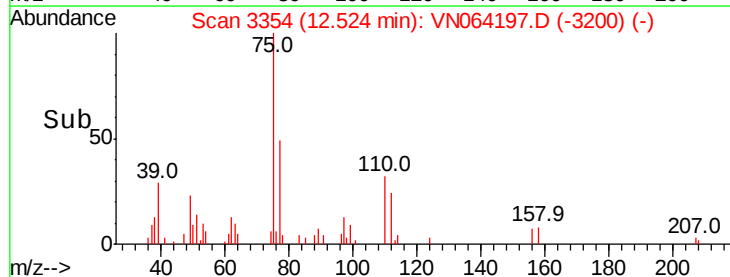
75 100

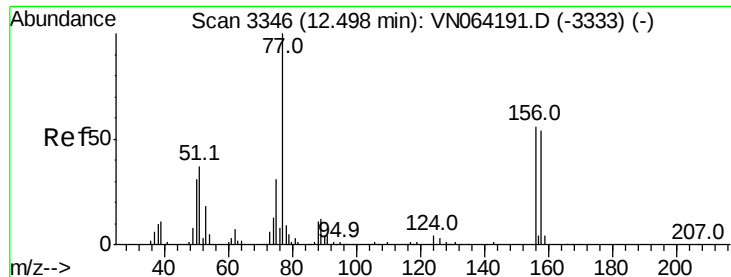
77 142.0 0.0 417.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 2.498 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampled :

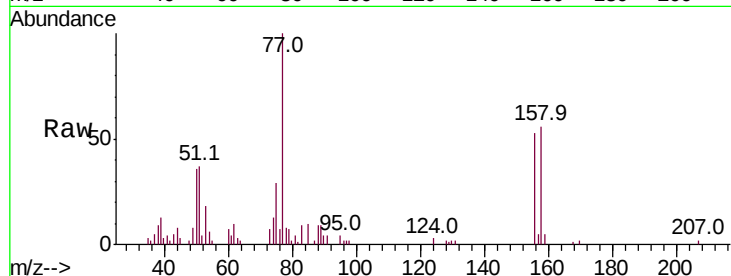
Tot Ion:156 Resp: 9488

Ion Ratio Lower Upper

156 100

77 250.8 0.0 429.8

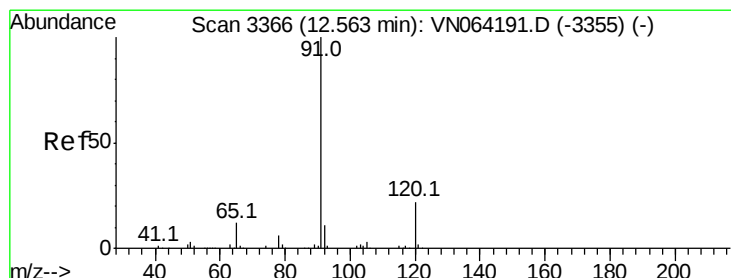
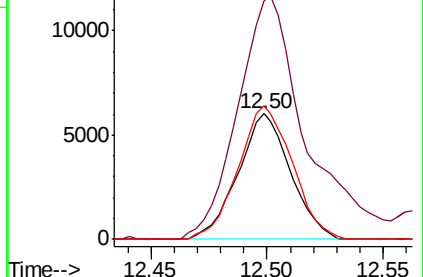
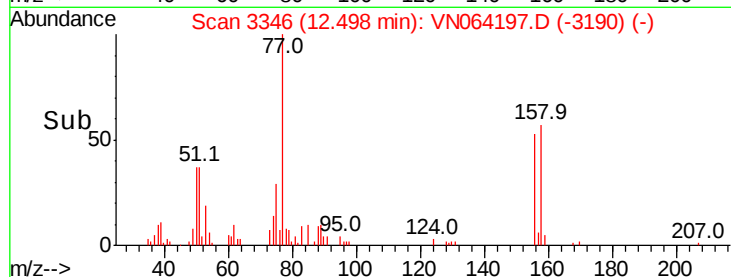
158 109.4 0.0 190.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.530 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064197.D

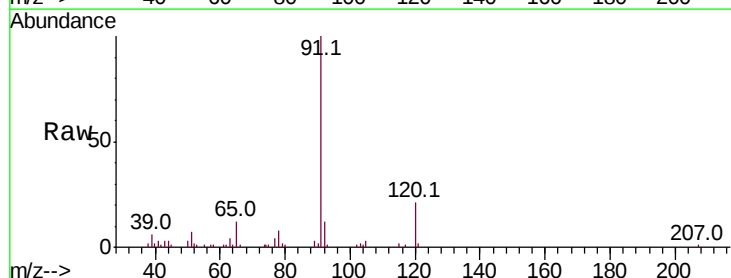
Acq: 20 Oct 2020 15:55

Tgt Ion: 91 Resp: 45475

Ion Ratio Lower Upper

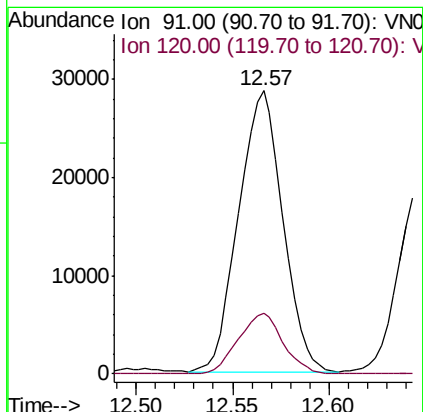
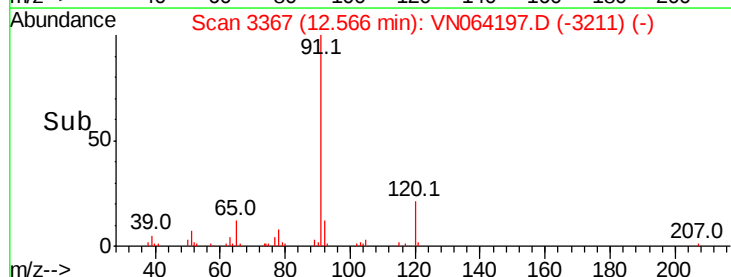
91 100

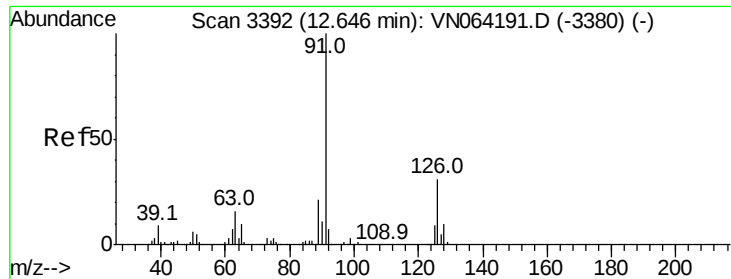
120 21.7 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.883 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

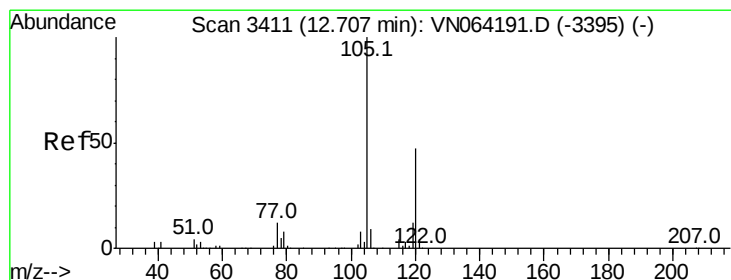
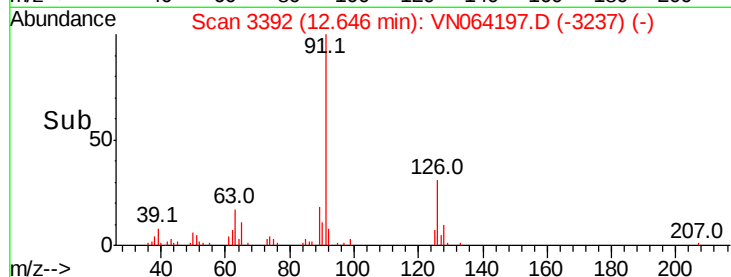
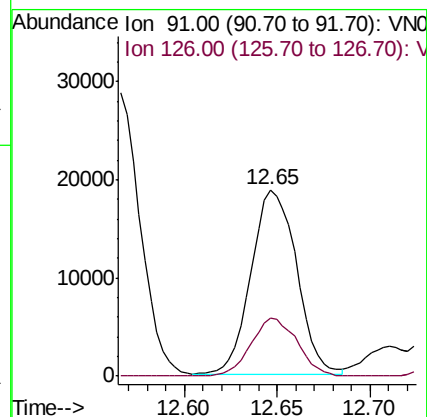
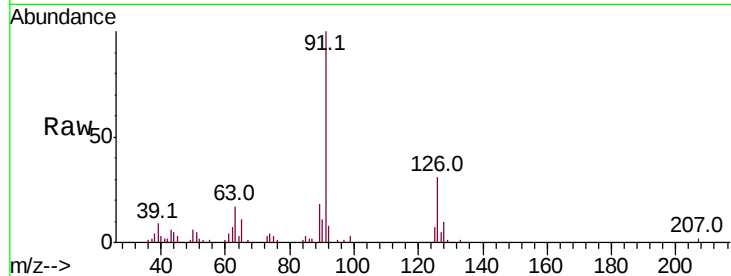
ClientSampleId :

Tot Ion: 91 Resp: 32077

Ion Ratio Lower Upper

91 100

126 32.0 0.0 62.4



#76

1,3,5-Trimethylbenzene

Concen: 2.728 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064197.D

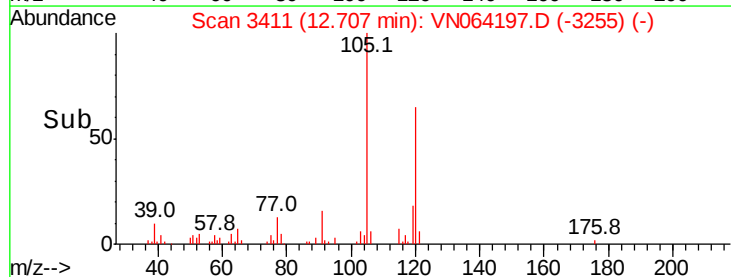
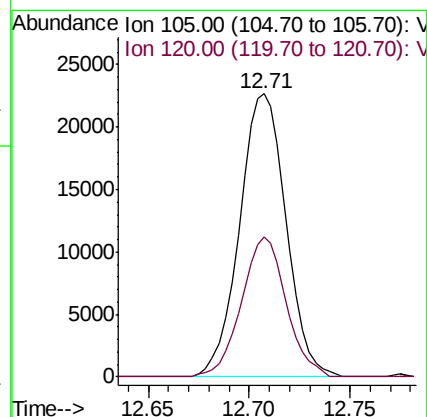
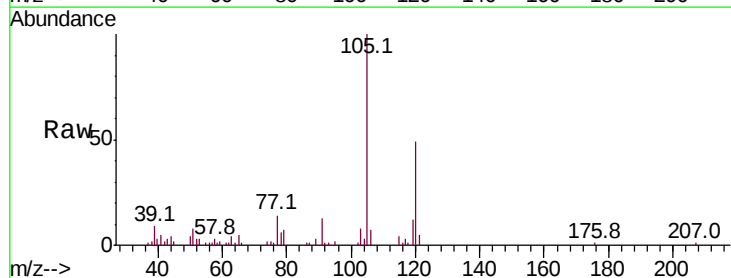
Acq: 20 Oct 2020 15:55

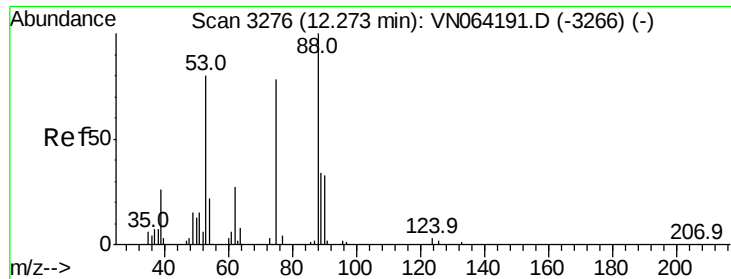
Tgt Ion: 105 Resp: 36559

Ion Ratio Lower Upper

105 100

120 47.4 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 2.755 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

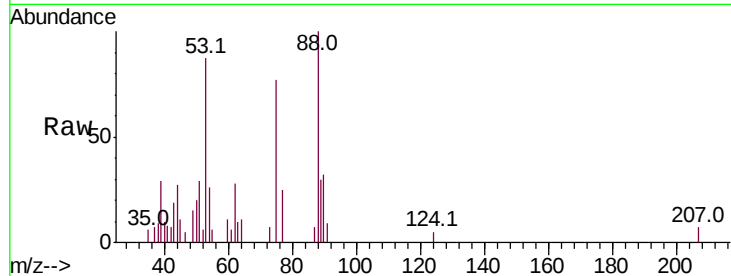
Tot Ion: 75 Resp: 4850

Ion Ratio Lower Upper

75 100

53 113.0 51.4 154.2

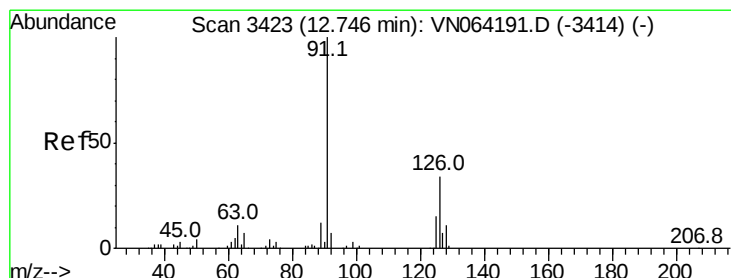
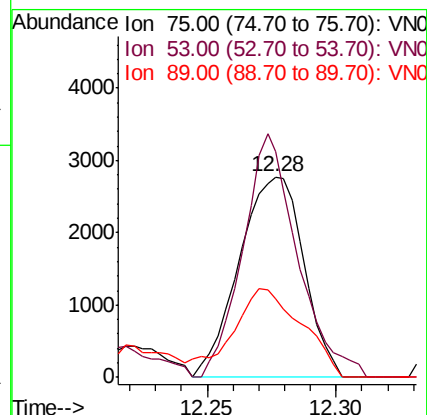
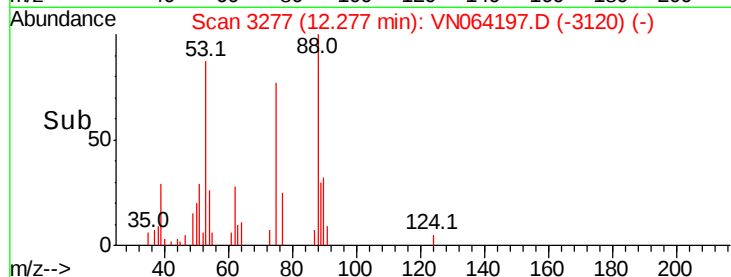
89 39.4 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 2.525 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064197.D

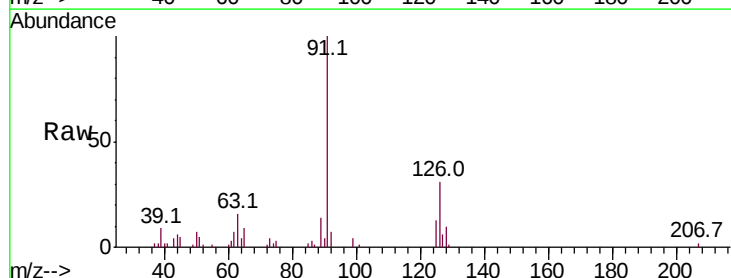
Acq: 20 Oct 2020 15:55

Tgt Ion: 91 Resp: 29391

Ion Ratio Lower Upper

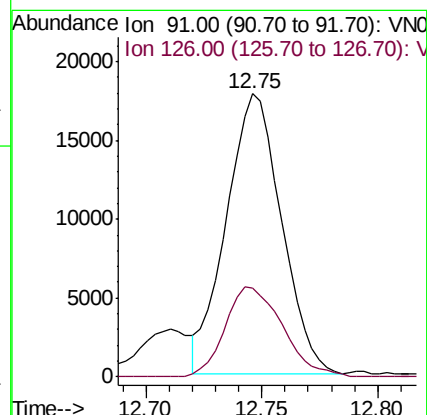
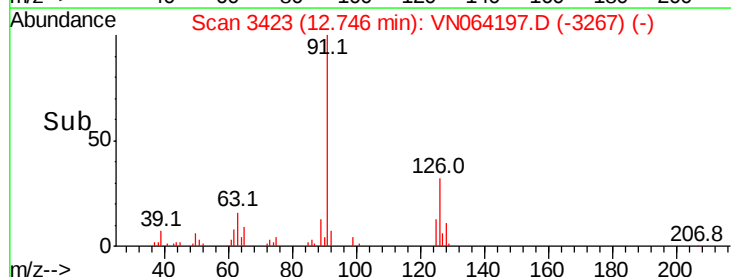
91 100

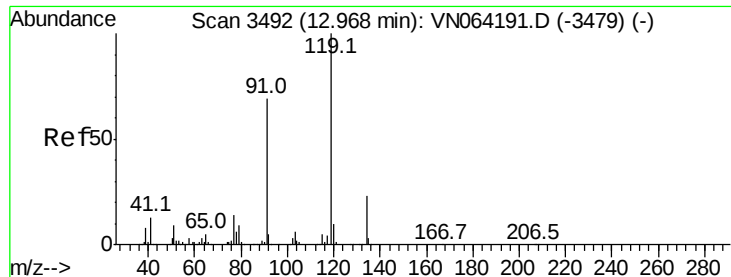
126 33.4 0.0 63.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 2.670 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

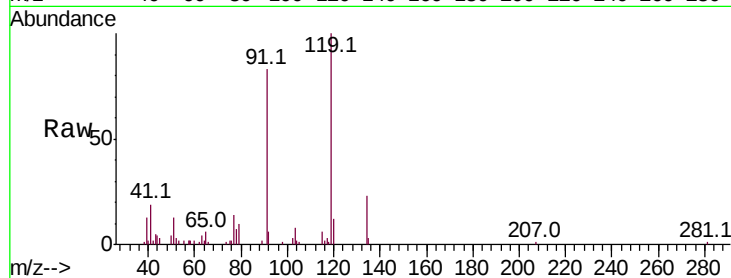
Tot Ion:119 Resp: 29255

Ion Ratio Lower Upper

119 100

91 75.5 0.0 143.2

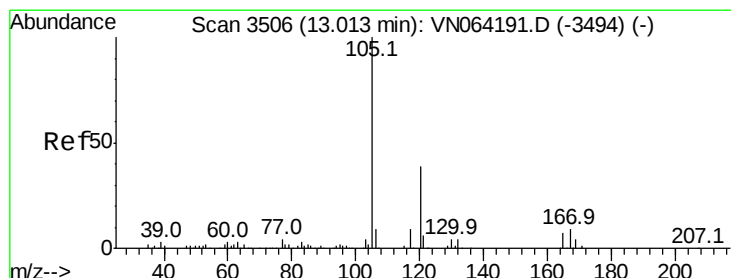
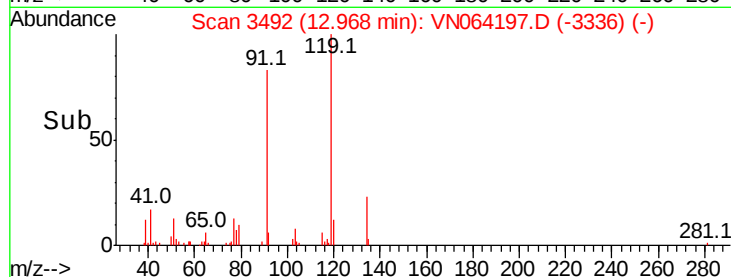
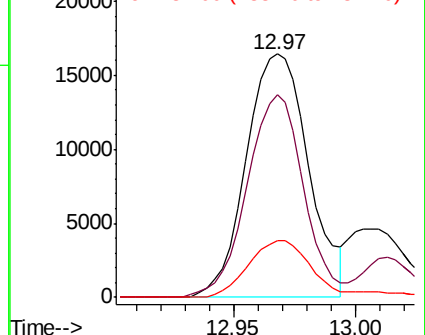
134 23.3 0.0 49.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 2.783 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064197.D

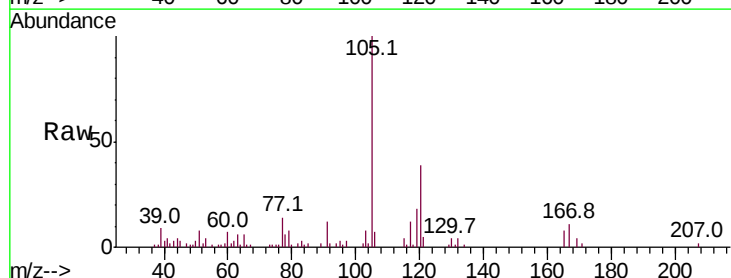
Acq: 20 Oct 2020 15:55

Tgt Ion:105 Resp: 37862

Ion Ratio Lower Upper

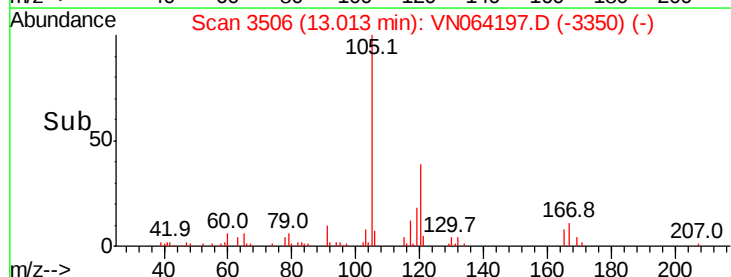
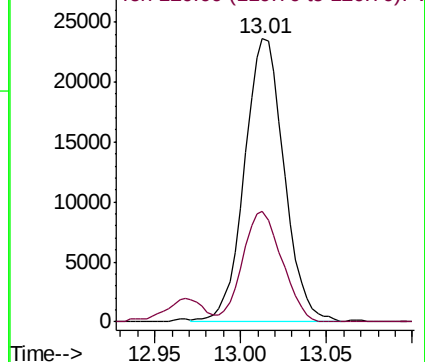
105 100

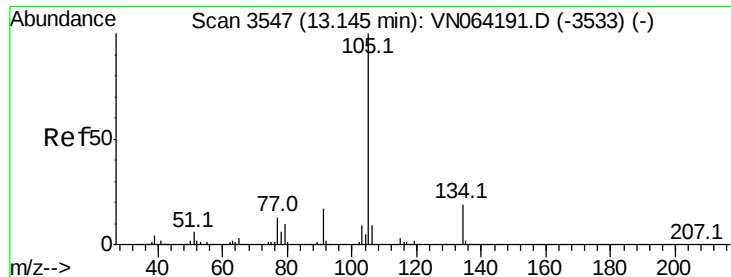
120 38.8 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 2.604 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

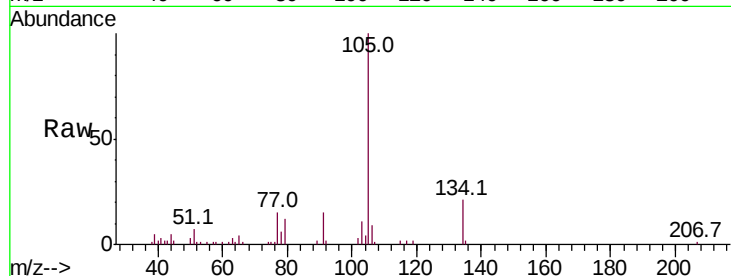
ClientSampled :

Tot Ion:105 Resp: 37114

Ion Ratio Lower Upper

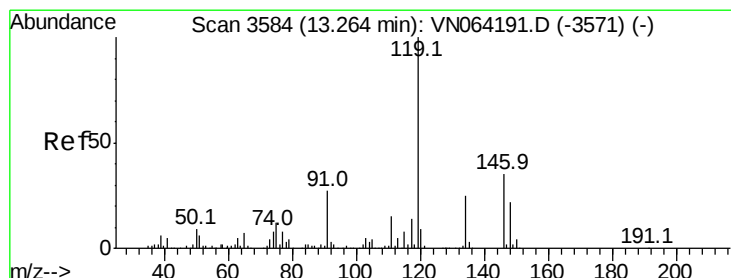
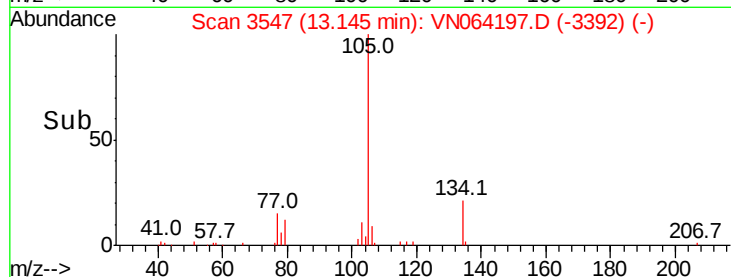
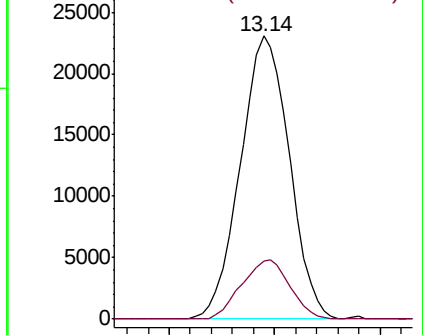
105 100

134 20.6 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 2.637 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

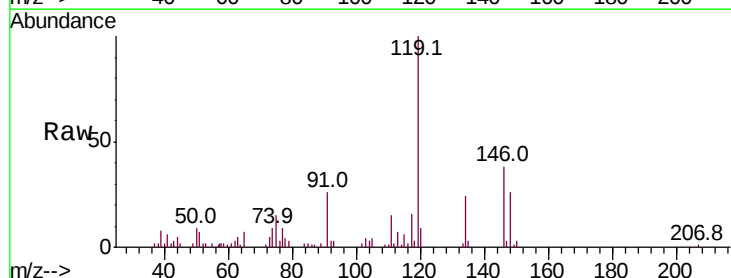
Tgt Ion:119 Resp: 34784

Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.4

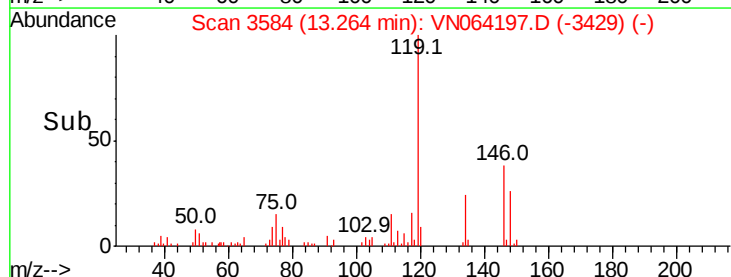
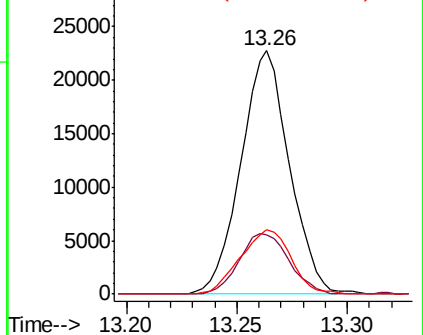
91 27.6 0.0 52.8

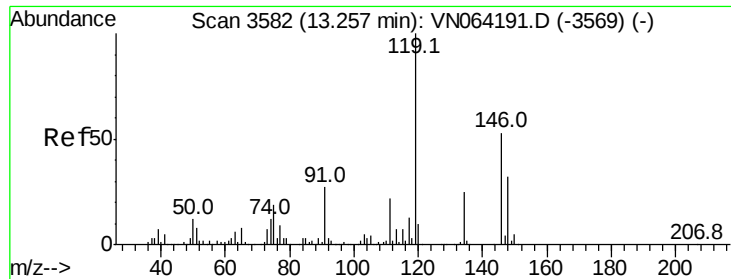


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 2.668 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

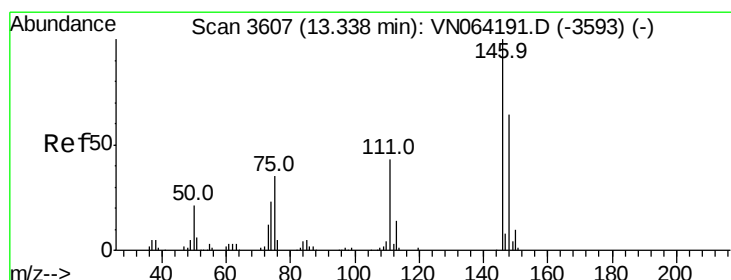
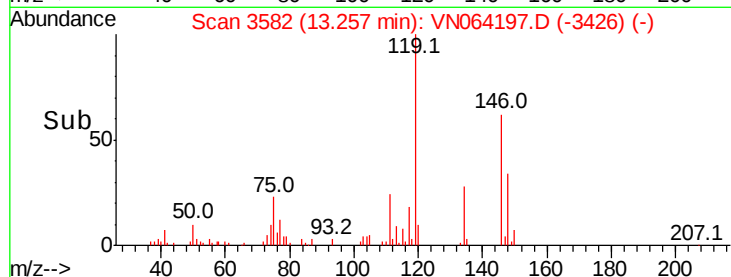
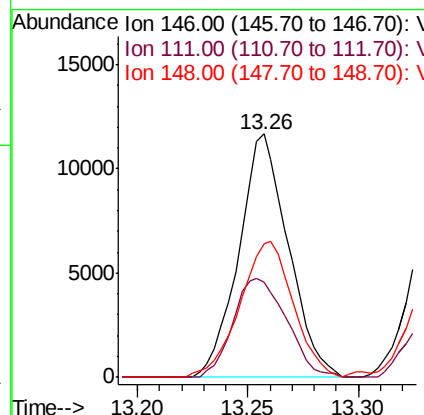
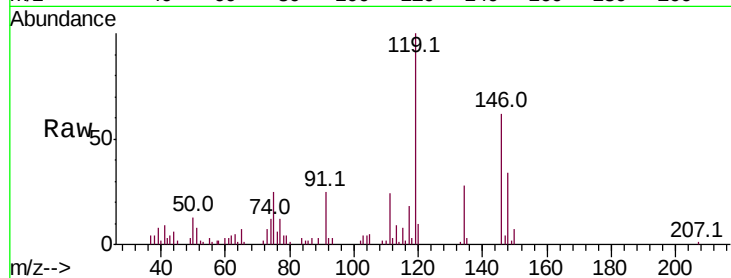
Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:146 Resp: 18159

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.4
148	60.0	31.4	94.2



#84

1,4-Dichlorobenzene

Concen: 2.588 ug/l

RT: 13.34 min Scan# 3607

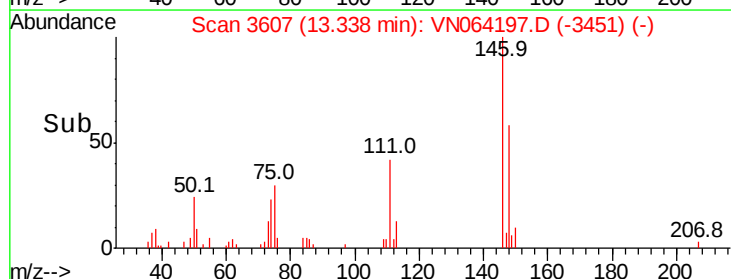
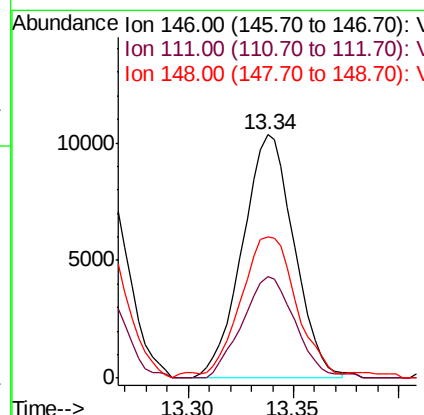
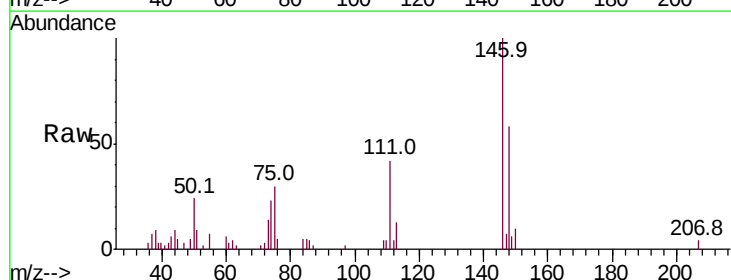
Delta R.T. -0.00 min

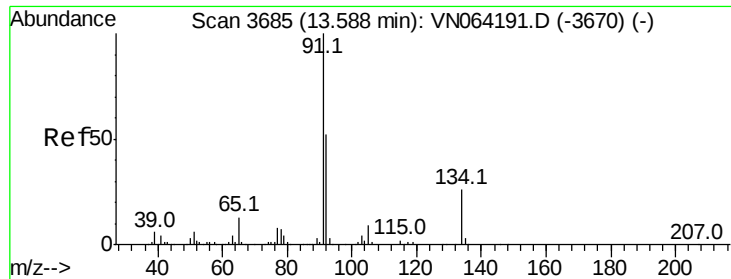
Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Tgt Ion:146 Resp: 17639

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	60.0	30.9	92.7

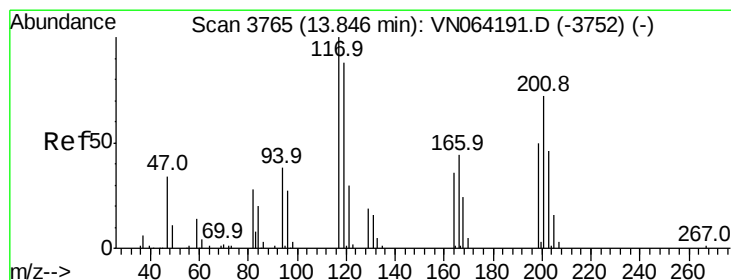
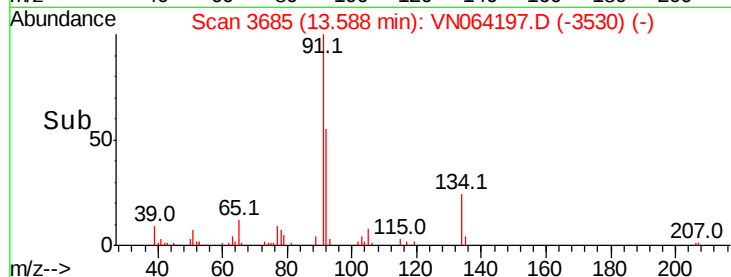
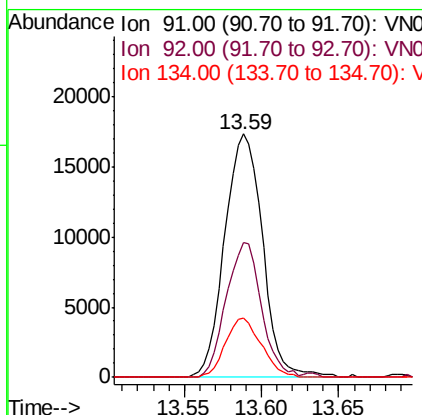
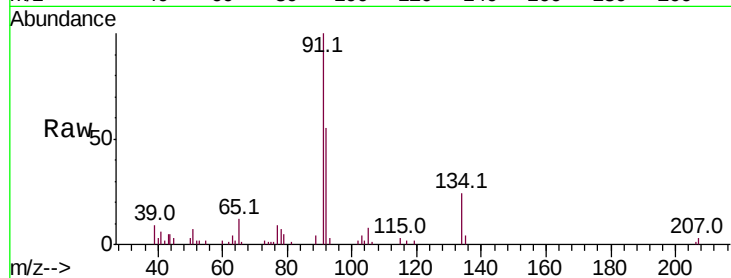




#85
n-Butylbenzene
Concen: 2.522 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

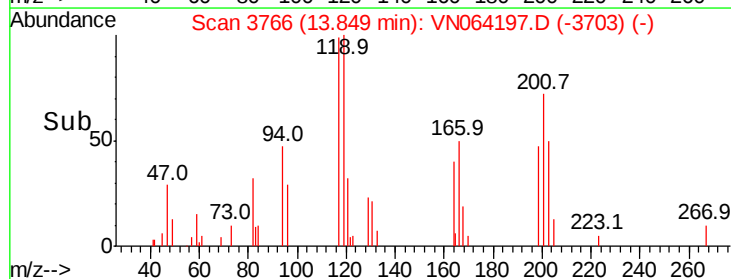
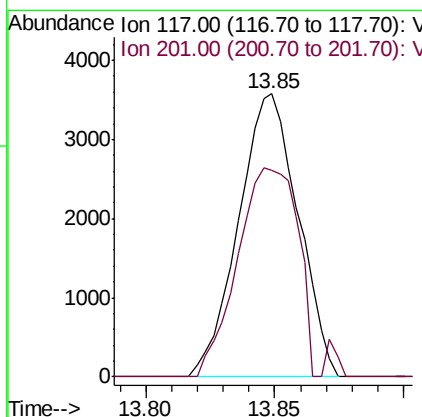
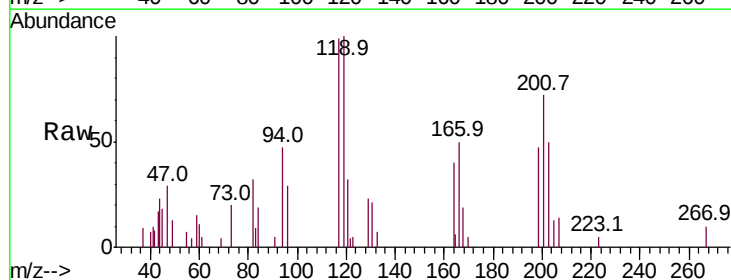
Instrument :
MSVOA_N
ClientSampleId :

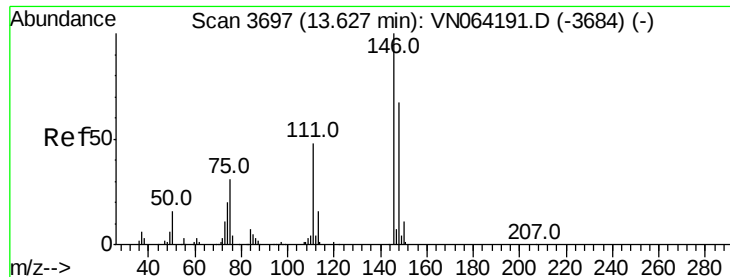
Tot Ion: 91 Resp: 29535
Ion Ratio Lower Upper
91 100
92 51.2 0.0 104.8
134 23.0 0.0 49.8



#86
Hexachloroethane
Concen: 2.533 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064197.D
Acq: 20 Oct 2020 15:55

Tgt Ion: 117 Resp: 5752
Ion Ratio Lower Upper
117 100
201 74.7 37.5 112.3

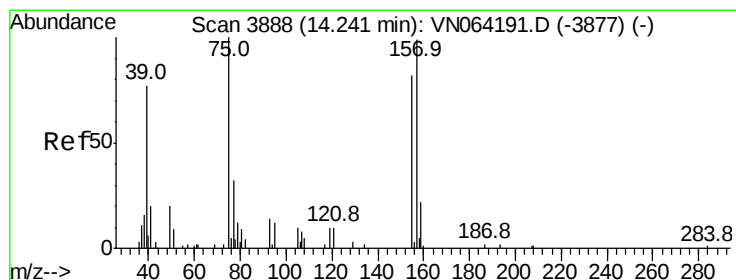
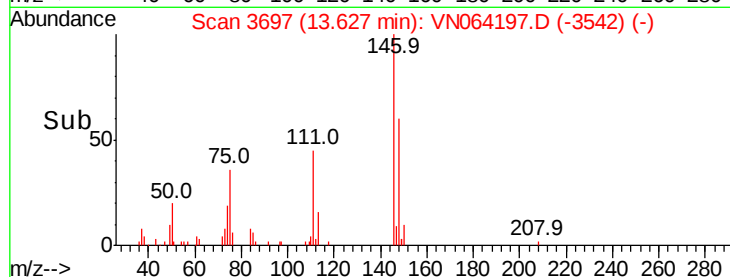
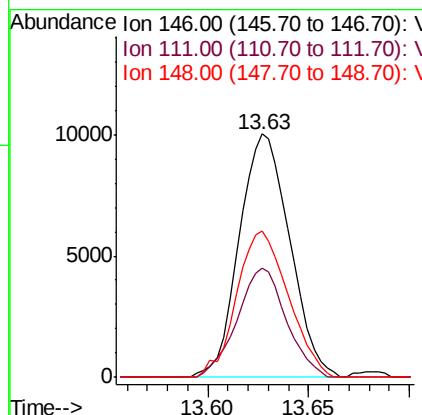
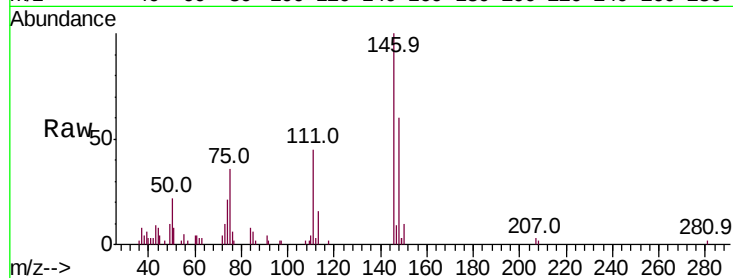




#87
 1,2-Dichlorobenzene
 Concen: 2.644 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

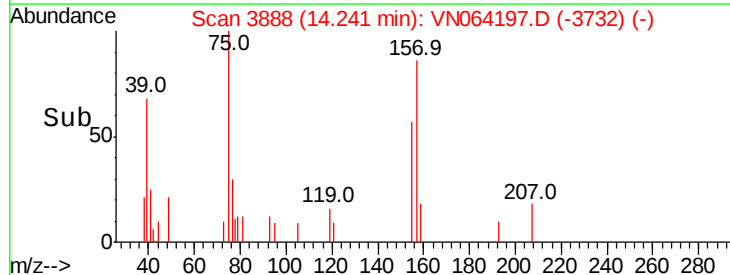
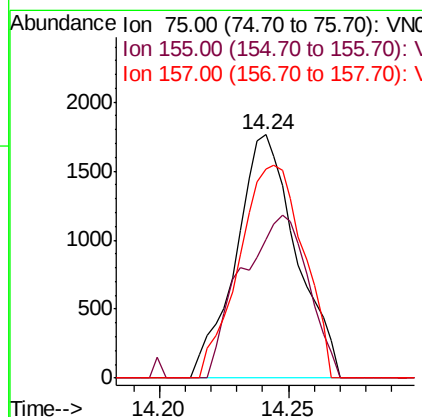
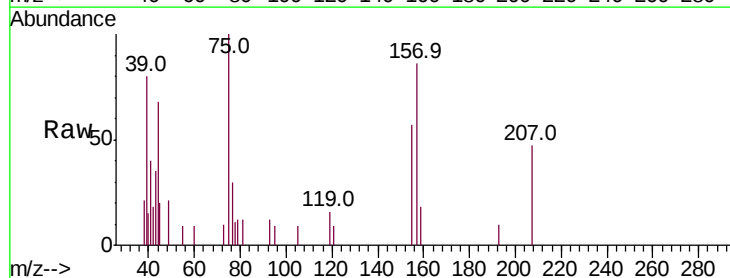
Instrument :
 MSVOA_N
 ClientSampled :

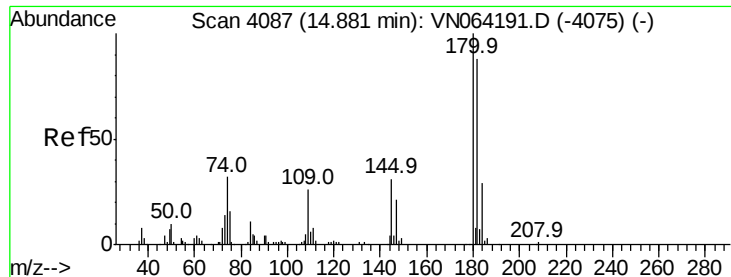
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.6	67.8
148	61.4	32.6	97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.637 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	61.1	91.7
157	93.0	76.5	114.7

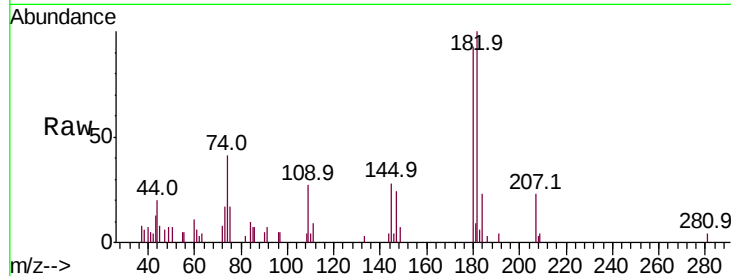




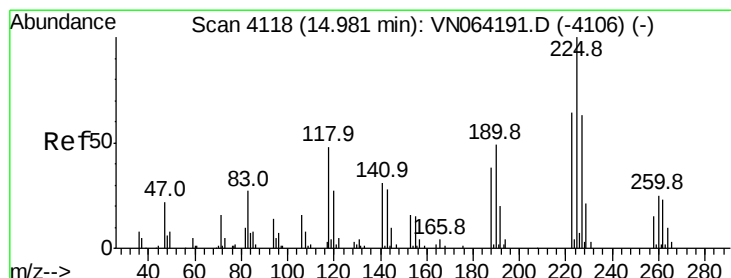
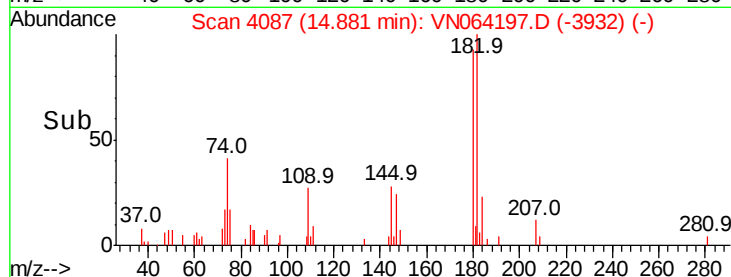
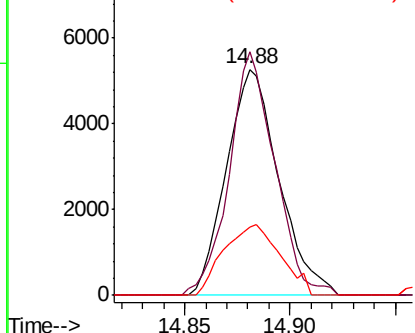
#89
 1,2,4-Trichlorobenzene
 Concen: 2.280 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 9091
 Ion Ratio Lower Upper
 180 100
 182 93.3 73.0 109.4
 145 32.5 24.3 36.5

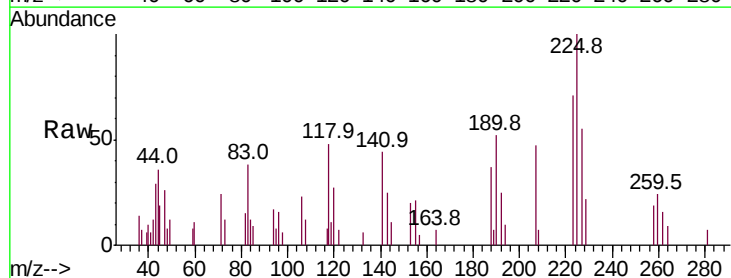


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

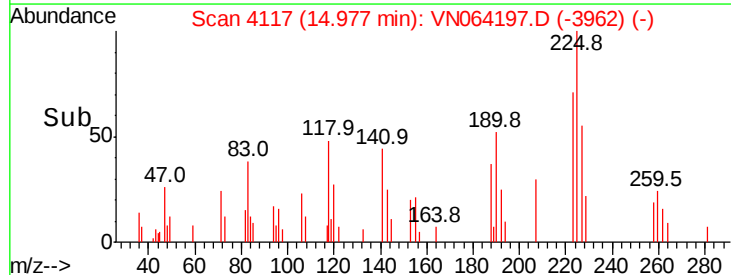
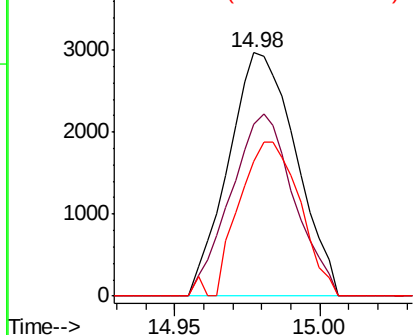


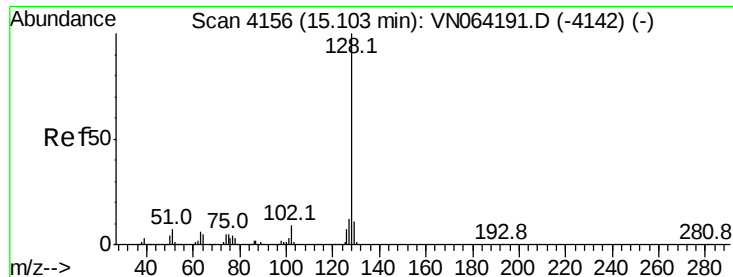
#90
 Hexachlorobutadiene
 Concen: 2.377 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064197.D
 Acq: 20 Oct 2020 15:55

Tgt Ion:225 Resp: 4803
 Ion Ratio Lower Upper
 225 100
 223 70.1 0.0 127.0
 227 56.3 0.0 129.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 2.267 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

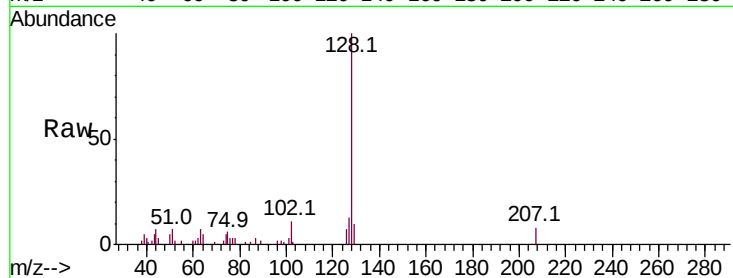
Tot Ion:128 Resp: 27394

Ion Ratio Lower Upper

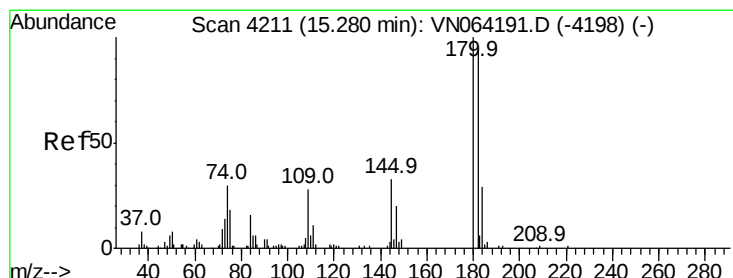
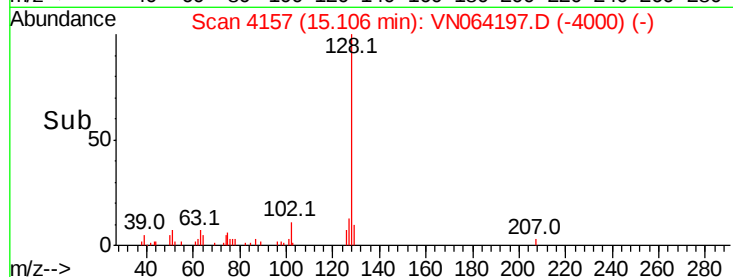
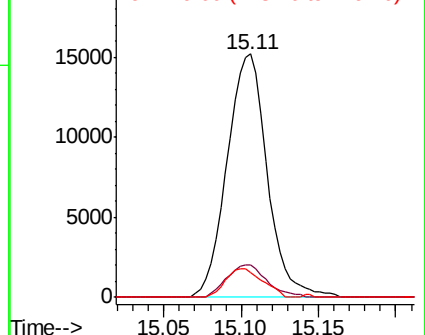
128 100

127 13.3 10.1 15.1

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 2.292 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN064197.D

Acq: 20 Oct 2020 15:55

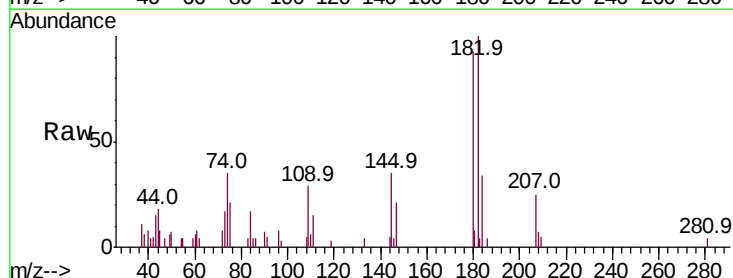
Tgt Ion:180 Resp: 8738

Ion Ratio Lower Upper

180 100

182 99.6 0.0 190.0

145 38.6 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

