

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064237.D
 Acq On : 21 Oct 2020 23:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 22 02:41:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	236363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	408369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177323	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	196840	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
35) Dibromofluoromethane	7.54	113	136110	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.06	98	474243	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.38	95	191353	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	138799	48.098	ug/l	100
3) Chloromethane	2.04	50	152117	55.683	ug/l	99
4) Vinyl Chloride	2.16	62	140979	52.052	ug/l	97
5) Bromomethane	2.53	94	98760	55.942	ug/l	98
6) Chloroethane	2.67	64	87750	53.222	ug/l	100
7) Trichlorofluoromethane	2.99	101	233178	52.353	ug/l	98
8) Diethyl Ether	3.37	74	88230	59.885	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	112398	48.801	ug/l	97
10) Methyl Iodide	3.91	142	177652	54.242	ug/l	99
11) Tert butyl alcohol	4.72	59	135826	289.070	ug/l	98
12) 1,1-Dichloroethene	3.69	96	113531	51.249	ug/l	99
13) Acrolein	3.56	56	64607	219.041	ug/l	98
14) Allyl chloride	4.27	41	225717	50.909	ug/l	92
15) Acrylonitrile	4.92	53	295125	303.748	ug/l	99
16) Acetone	3.77	43	306491	305.165	ug/l	99
17) Carbon Disulfide	4.01	76	322707	51.069	ug/l	98
18) Methyl Acetate	4.27	43	152778	59.696	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	458518	60.205	ug/l	96
20) Methylene Chloride	4.50	84	151263	56.481	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	131209	53.713	ug/l	95
22) Diisopropyl ether	5.90	45	473163	57.408	ug/l	97
23) Vinyl Acetate	5.84	43	2200713	299.402	ug/l	99
24) 1,1-Dichloroethane	5.79	63	273183	57.214	ug/l	100
25) 2-Butanone	6.78	43	463811	290.668	ug/l	100
26) 2,2-Dichloropropane	6.78	77	215560	45.348	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	160113	56.283	ug/l	97
28) Bromochloromethane	7.15	49	133119	58.687	ug/l	98
29) Tetrahydrofuran	7.16	42	285687	299.309	ug/l	99
30) Chloroform	7.33	83	290778	57.093	ug/l	97
31) Cyclohexane	7.61	56	189767	45.605	ug/l	95
32) 1,1,1-Trichloroethane	7.52	97	258174	54.111	ug/l	98
36) 1,1-Dichloropropene	7.75	75	197241	48.448	ug/l	98
37) Ethyl Acetate	6.87	43	201876	54.614	ug/l	99
38) Carbon Tetrachloride	7.73	117	222181	47.966	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	171078	46.213	ug/l	99
40) Benzene	8.00	78	579108	51.530	ug/l	99
41) Methacrylonitrile	7.12	41	83614	43.122	ug/l #	82
42) 1,2-Dichloroethane	8.08	62	265073	55.059	ug/l	99
43) Isopropyl Acetate	8.12	43	388415	56.383	ug/l	99
44) Trichloroethene	8.80	130	153133	50.003	ug/l	95
45) 1,2-Dichloropropane	9.08	63	161845	53.944	ug/l	98
46) Dibromomethane	9.17	93	113330	56.255	ug/l	95
47) Bromodichloromethane	9.37	83	252330	56.693	ug/l	98
48) Methyl methacrylate	9.16	41	193447	53.755	ug/l	99
49) 1,4-Dioxane	9.16	88	44556	1058.193	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1026202	278.725	ug/l	99
52) Toluene	10.12	92	366121	50.914	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	270235	54.656	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	277540	53.313	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	153992	56.700	ug/l	98
56) Ethyl methacrylate	10.40	69	238547	56.805	ug/l	99
57) 1,3-Dichloropropane	10.68	76	264589	56.087	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	603494	279.080	ug/l	100
59) 2-Hexanone	10.72	43	746716	277.710	ug/l	99
60) Dibromochloromethane	10.87	129	191988	54.606	ug/l	100
61) 1,2-Dibromoethane	10.97	107	163977	57.216	ug/l	99
64) Tetrachloroethene	10.60	164	147417	49.566	ug/l	96
65) Chlorobenzene	11.41	112	401762	52.539	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	163075	53.724	ug/l	100
67) Ethyl Benzene	11.48	91	713386	50.762	ug/l	98
68) m/p-Xylenes	11.59	106	525147	100.856	ug/l	98
69) o-Xylene	11.92	106	257948	51.223	ug/l	98
70) Styrene	11.94	104	446792	52.931	ug/l	99
71) Bromoform	12.10	173	130277	55.559	ug/l #	100
73) Isopropylbenzene	12.22	105	661933	48.944	ug/l	100
74) N-amyl acetate	12.04	43	329533	56.390	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	199520	55.593	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	295350	79.007	ug/l #	100
77) Bromobenzene	12.50	156	171204	53.622	ug/l	99
78) n-propylbenzene	12.57	91	754072	49.452	ug/l	99
79) 2-Chlorotoluene	12.65	91	478072	51.043	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	571786	50.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	77455	52.311	ug/l	98
82) 4-Chlorotoluene	12.75	91	506929	51.887	ug/l	100
83) tert-Butylbenzene	12.97	119	454463	48.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	581853	51.130	ug/l	99
85) sec-Butylbenzene	13.14	105	580454	49.117	ug/l	100
86) p-Isopropyltoluene	13.26	119	541172	50.287	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	293822	51.719	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	297322	51.131	ug/l	99
89) n-Butylbenzene	13.59	91	471078	48.832	ug/l	99
90) Hexachloroethane	13.85	117	92206	47.309	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	291466	52.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	48528	54.199	ug/l	97

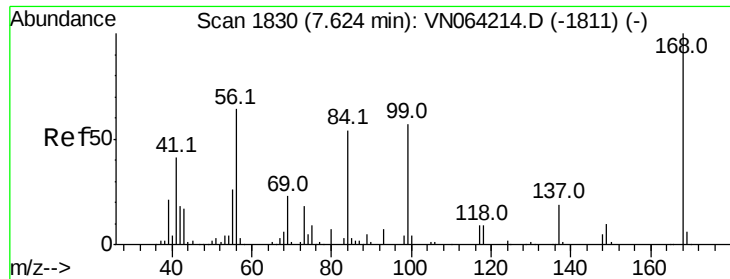
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	169013	54.069	ug/l	98
94) Hexachlorobutadiene	14.98	225	73081	43.347	ug/l	99
95) Naphthalene	15.10	128	535355	57.189	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	161963	52.314	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

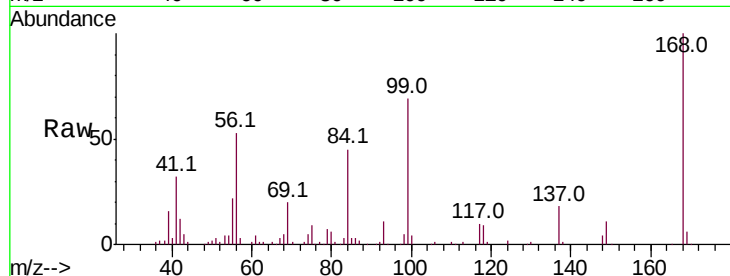
VSTDCCC050

Tot Ion:168 Resp: 236363

Ion Ratio Lower Upper

168 100

99 68.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

120000

100000

80000

60000

40000

20000

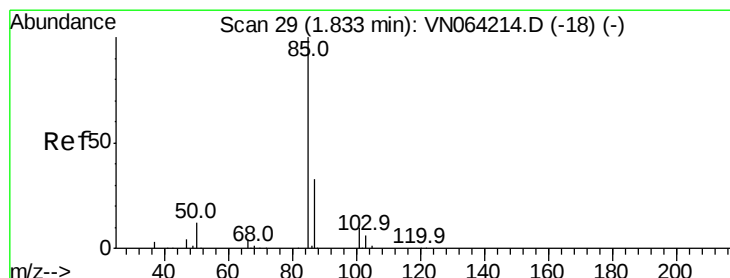
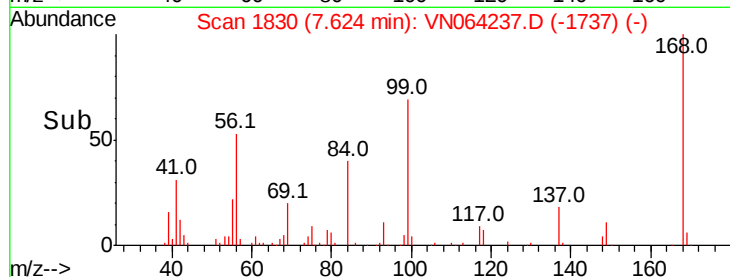
0

7.50

7.62

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.098 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064237.D

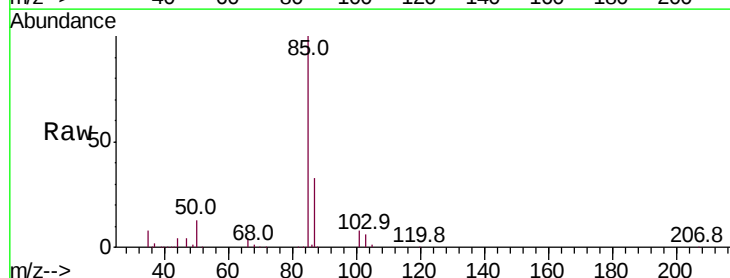
Acq: 21 Oct 2020 23:56

Tgt Ion: 85 Resp: 138799

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

40000

20000

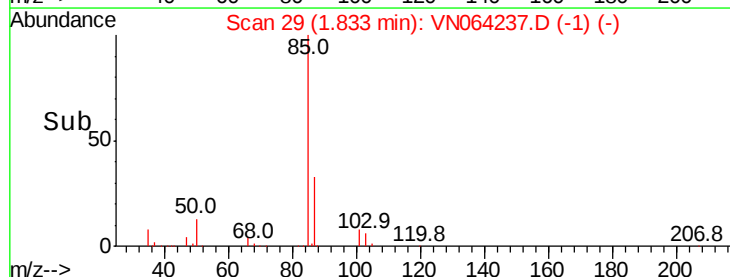
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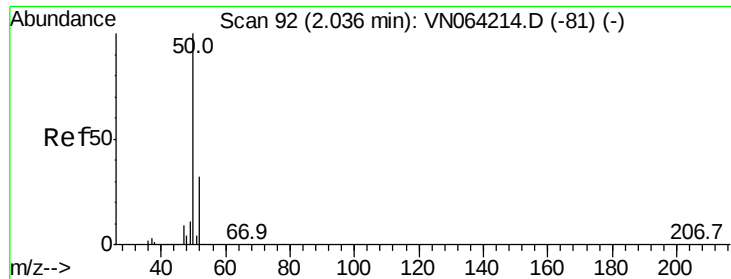
1.75

1.83

1.90

Time-->

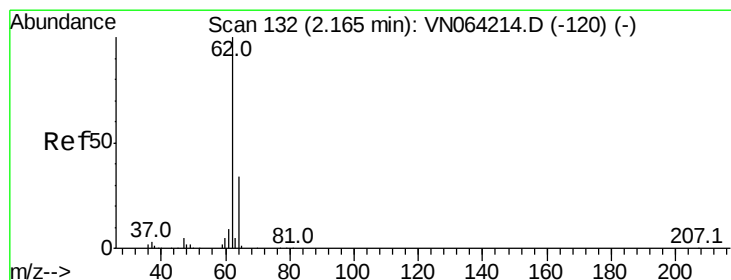
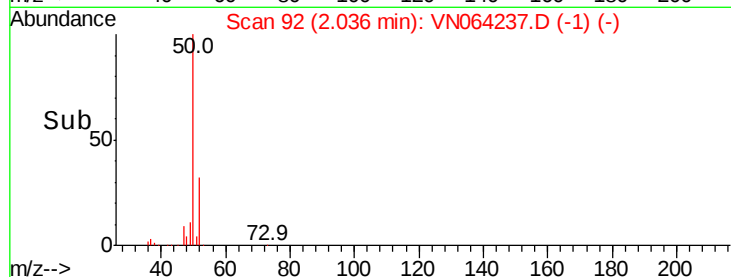
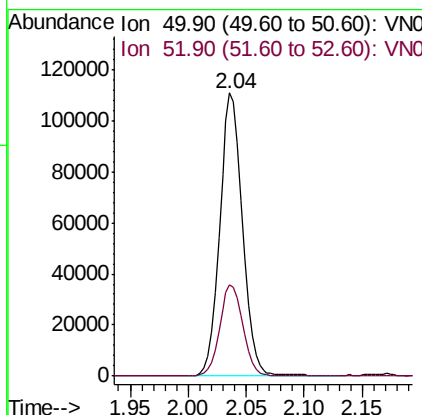
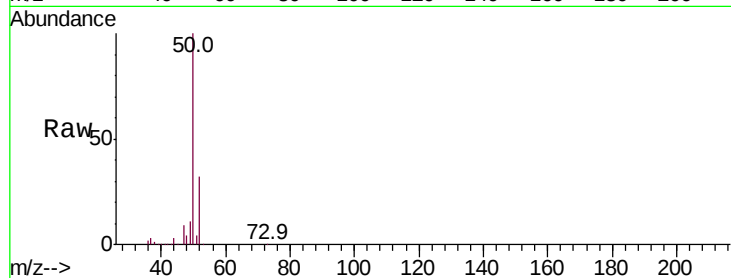




#3
Chloromethane
Concen: 55.683 ug/l
RT: 2.04 min Scan# 92
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

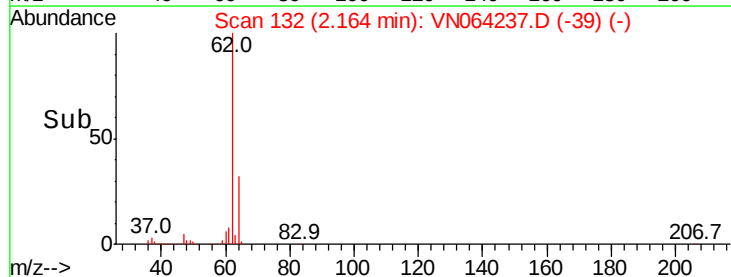
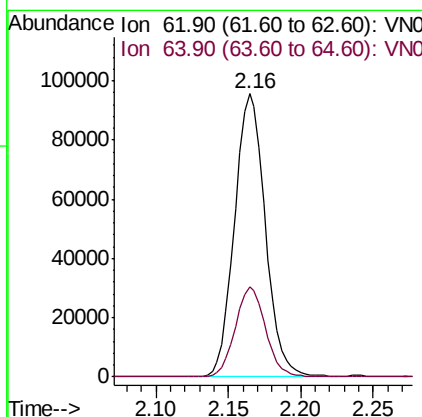
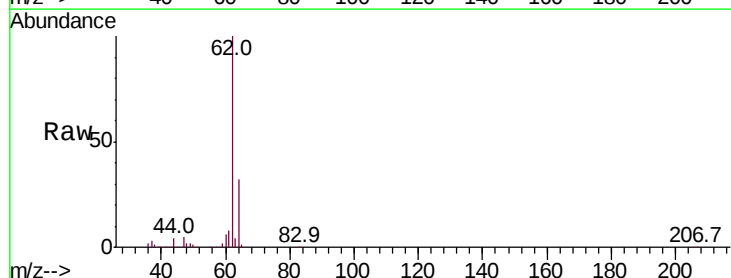
Instrument :
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VSTDCCC050

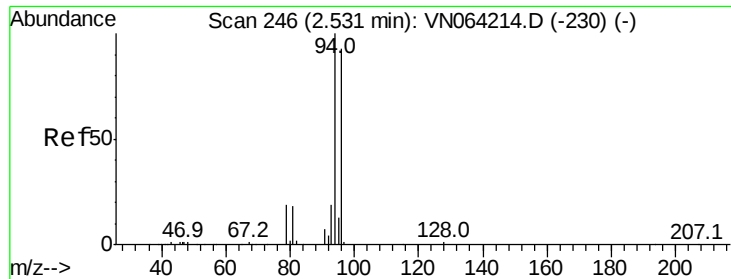
Tot Ion: 50 Resp: 152117
Ion Ratio Lower Upper
50 100
52 32.1 25.3 37.9



#4
Vinyl Chloride
Concen: 52.052 ug/l
RT: 2.16 min Scan# 132
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 62 Resp: 140979
Ion Ratio Lower Upper
62 100
64 31.6 26.8 40.2





#5

Bromomethane

Concen: 55.942 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

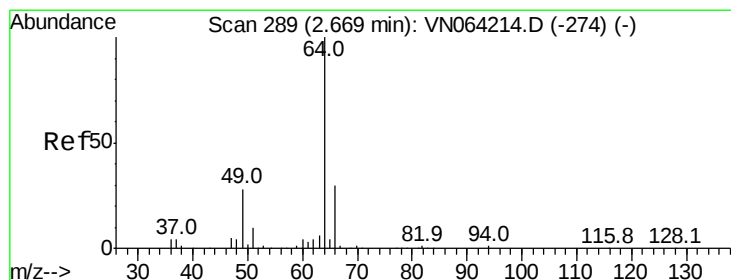
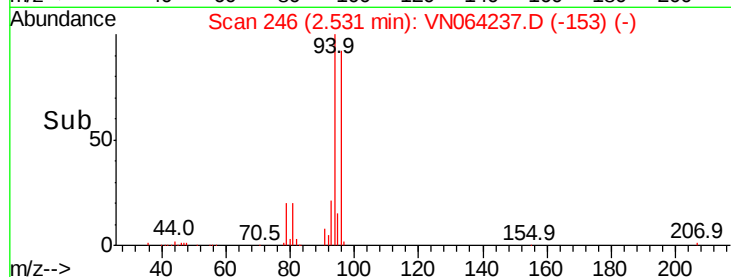
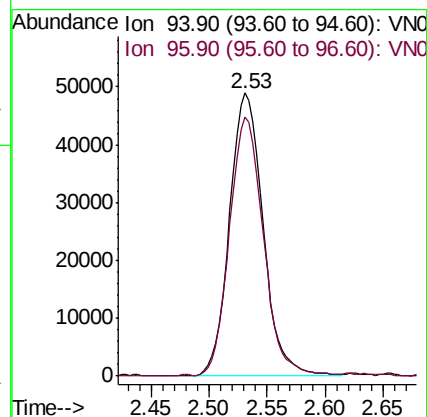
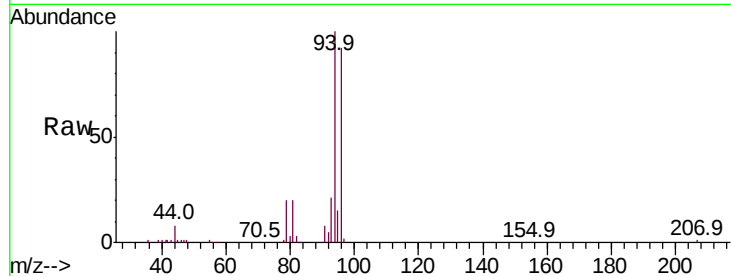
VSTDCCC050

Tot Ion: 94 Resp: 98760

Ion Ratio Lower Upper

94 100

96 91.2 74.2 111.4



#6

Chloroethane

Concen: 53.222 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064237.D

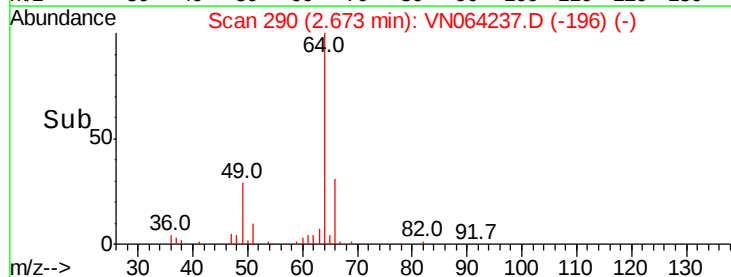
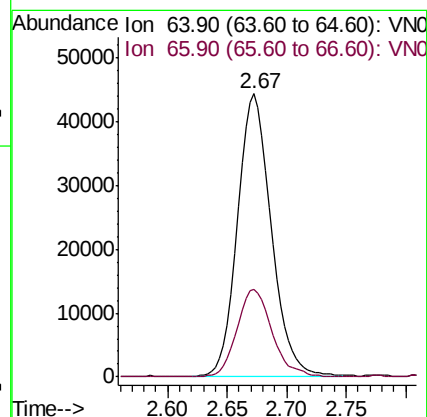
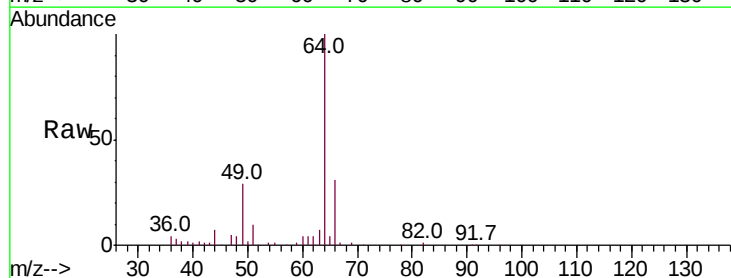
Acq: 21 Oct 2020 23:56

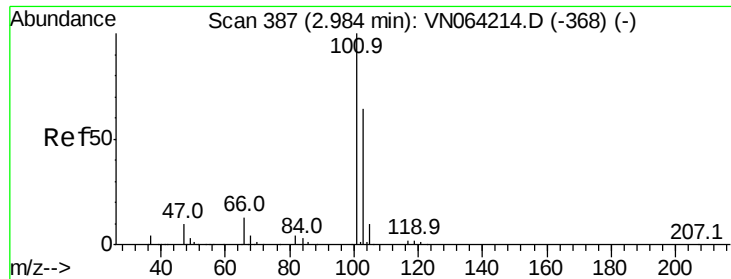
Tgt Ion: 64 Resp: 87750

Ion Ratio Lower Upper

64 100

66 30.9 24.5 36.7



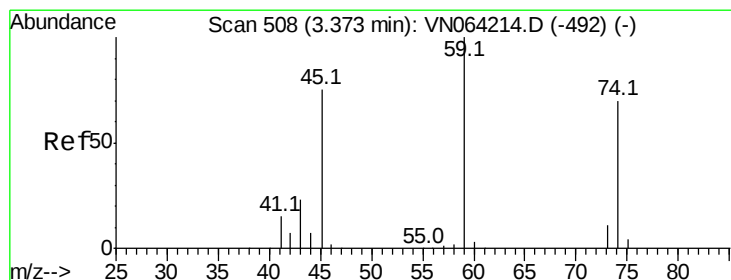
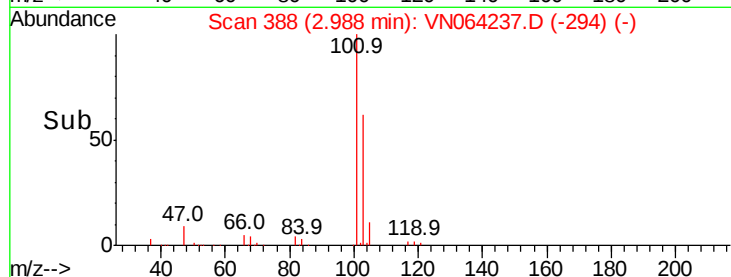
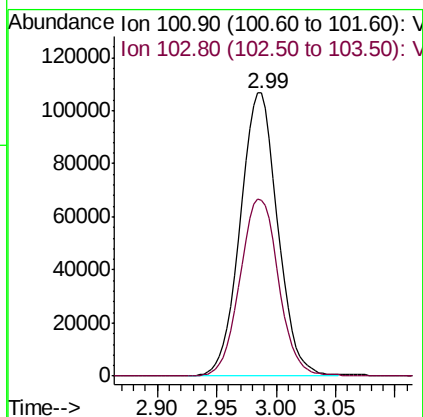
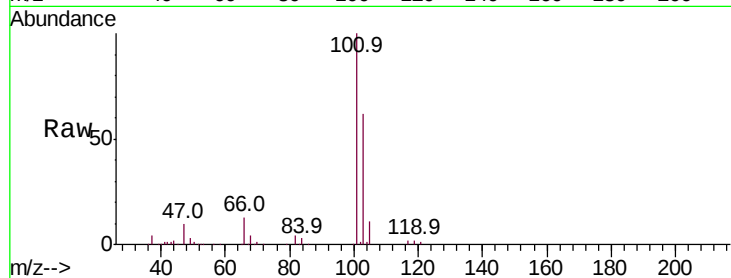


#7

Trichlorofluoromethane
Concen: 52.353 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
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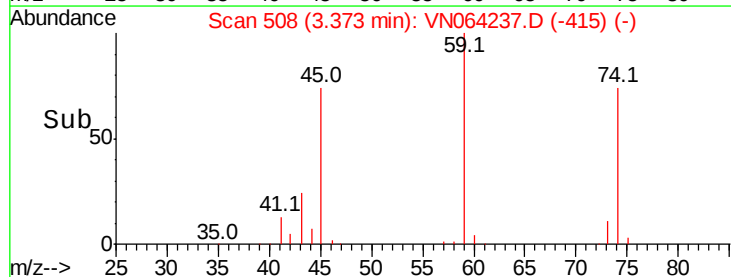
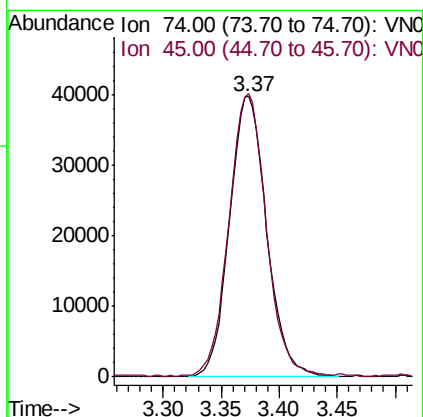
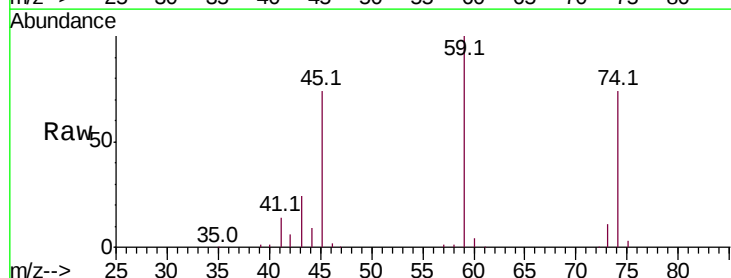
Tot Ion:101 Resp: 233178
Ion Ratio Lower Upper
101 100
103 62.1 51.0 76.6

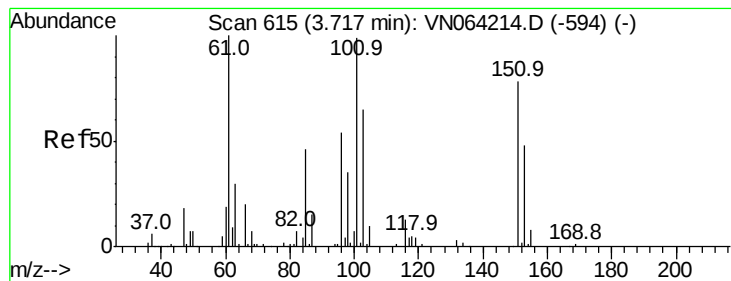


#8

Diethyl Ether
Concen: 59.885 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 74 Resp: 88230
Ion Ratio Lower Upper
74 100
45 101.9 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.801 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

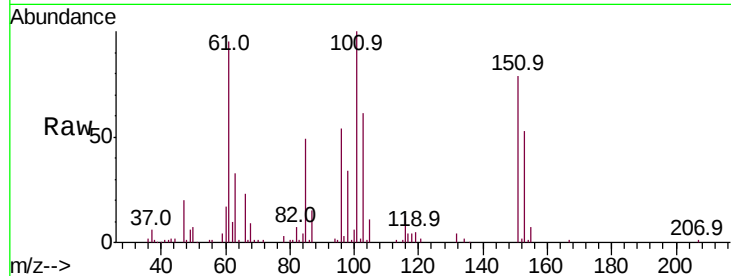
Tot Ion:101 Resp: 112398

Ion Ratio Lower Upper

101 100

85 49.5 37.8 56.8

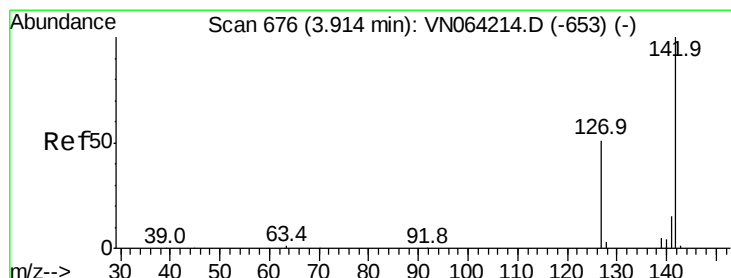
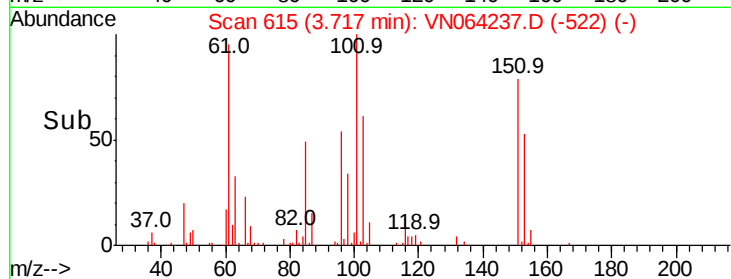
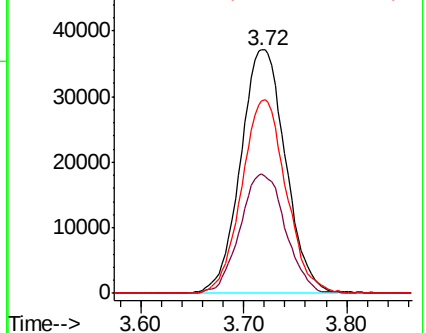
151 78.6 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.242 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

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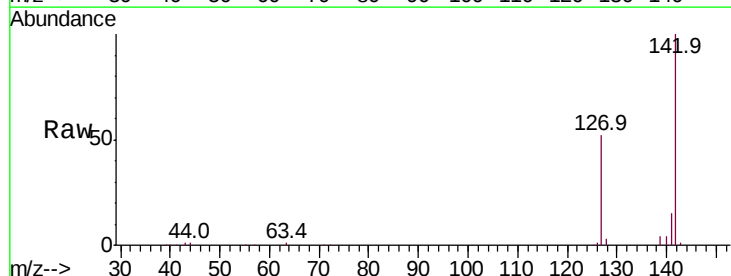
Tgt Ion:142 Resp: 177652

Ion Ratio Lower Upper

142 100

127 51.0 41.0 61.6

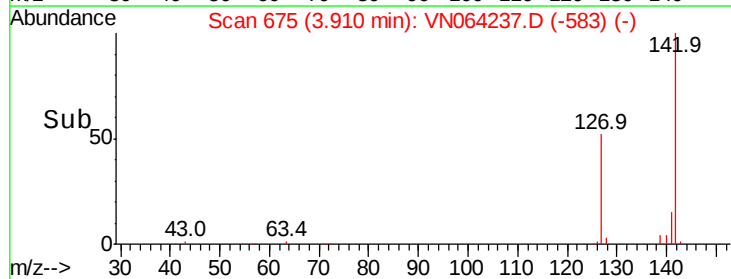
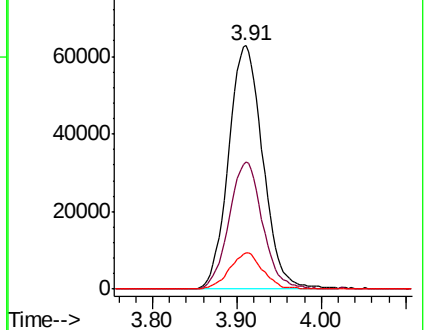
141 14.6 11.3 16.9

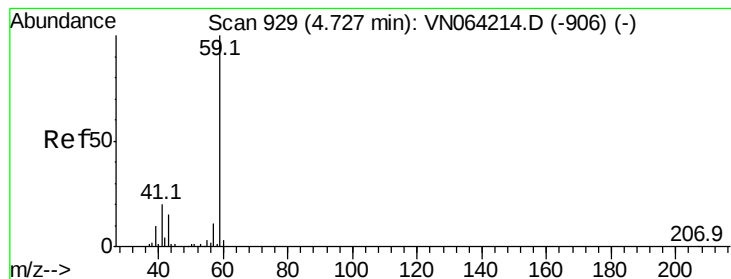


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



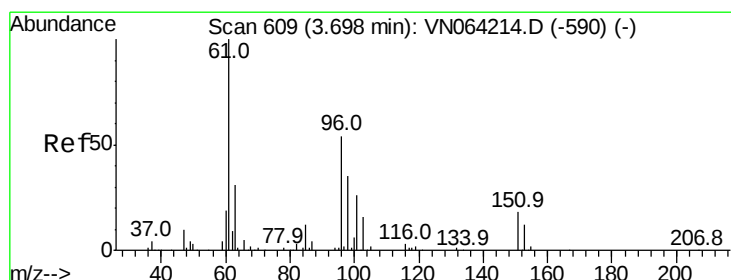
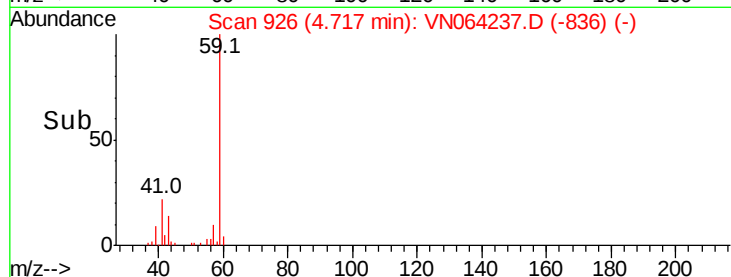
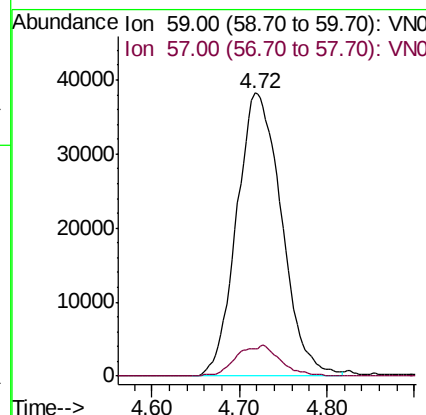
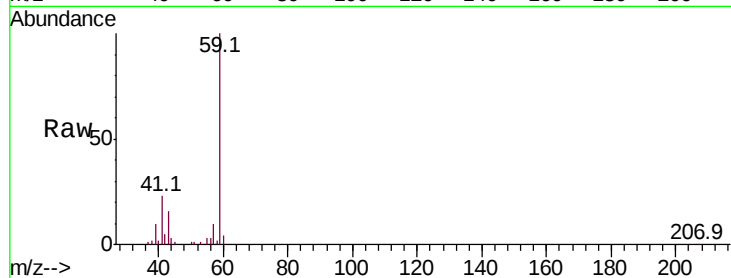


#11

Tert butyl alcohol
Concen: 289.070 ug/l
RT: 4.72 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

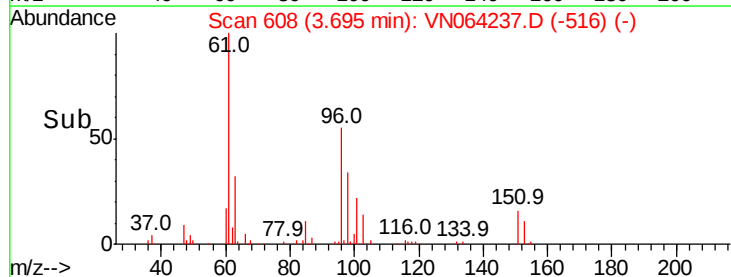
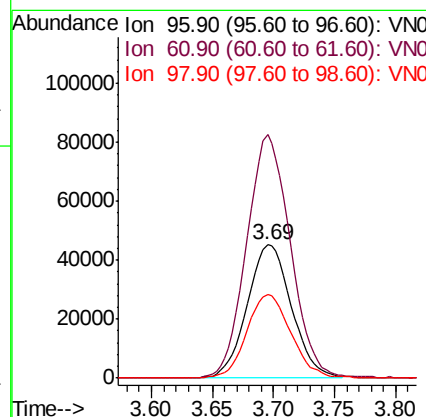
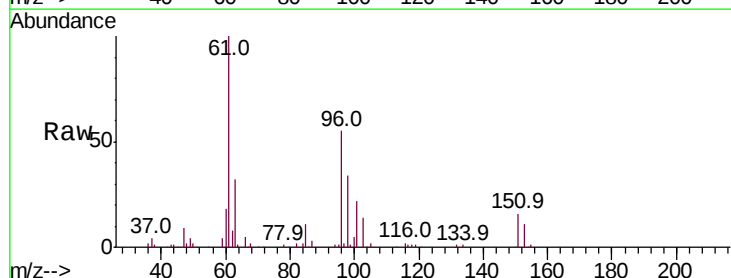
Tot Ion: 59 Resp: 135826
Ion Ratio Lower Upper
59 100
57 10.8 9.2 13.8

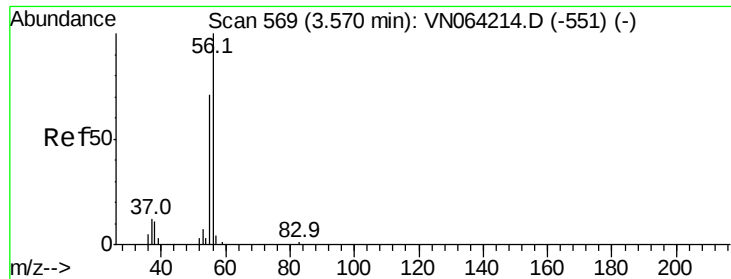


#12

1,1-Dichloroethene
Concen: 51.249 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 96 Resp: 113531
Ion Ratio Lower Upper
96 100
61 182.4 147.0 220.4
98 62.8 51.7 77.5





#13

Acrolein

Concen: 219.041 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

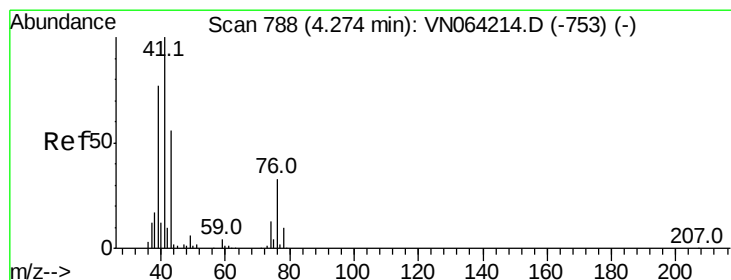
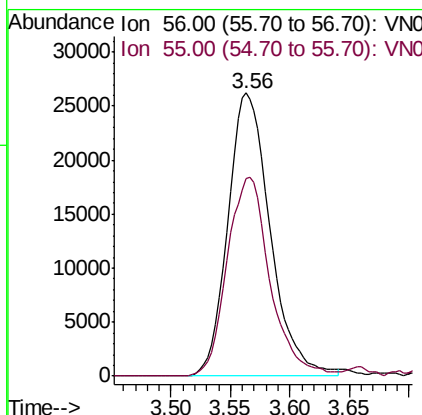
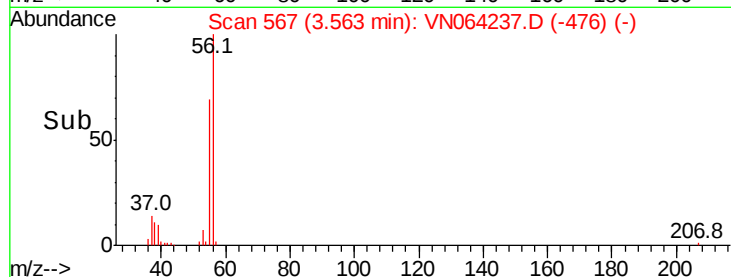
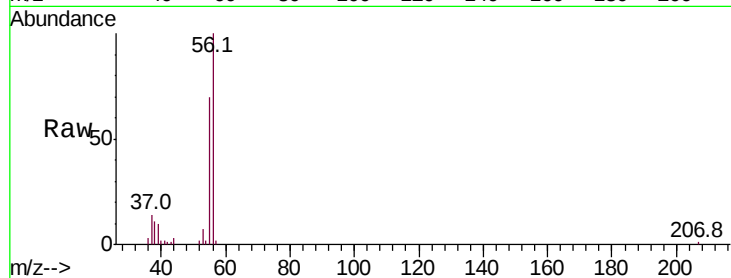
VSTDCCC050

Tot Ion: 56 Resp: 64607

Ion Ratio Lower Upper

56 100

55 71.5 56.1 84.1



#14

Allyl chloride

Concen: 50.909 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

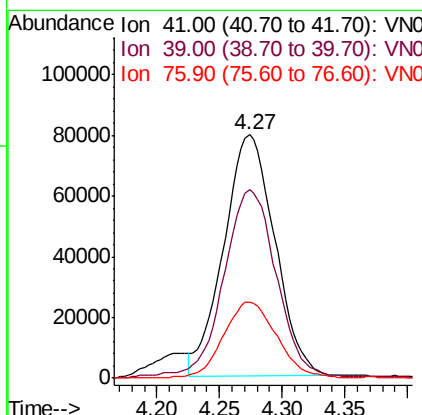
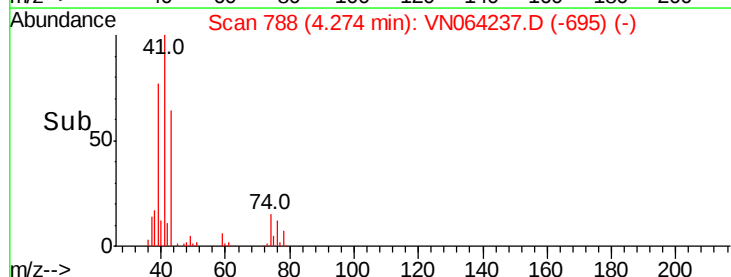
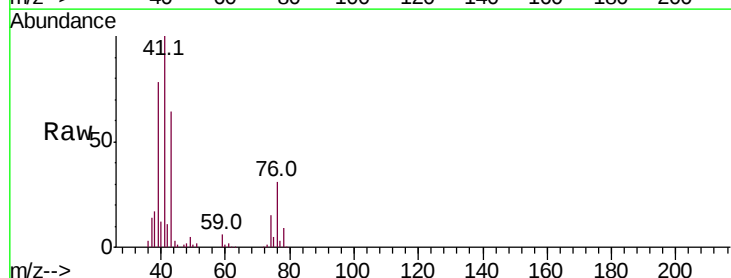
Tgt Ion: 41 Resp: 225717

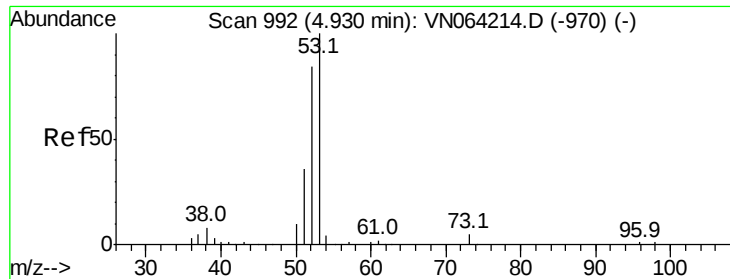
Ion Ratio Lower Upper

41 100

39 81.6 58.6 88.0

76 32.8 24.5 36.7





#15

Acrylonitrile

Concen: 303.748 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

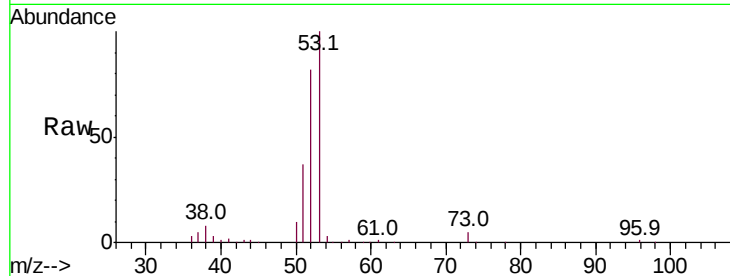
Tot Ion: 53 Resp: 295125

Ion Ratio Lower Upper

53 100

52 81.8 66.8 100.2

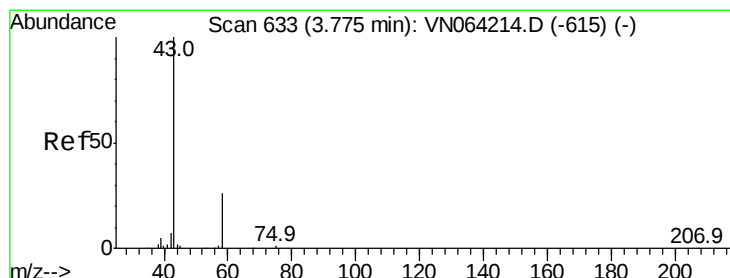
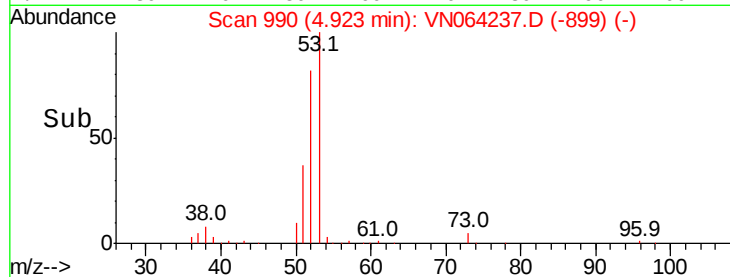
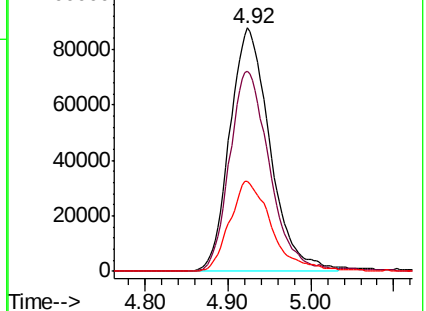
51 38.1 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VN064214.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064214.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064214.D (-970) (-)



#16

Acetone

Concen: 305.165 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064237.D

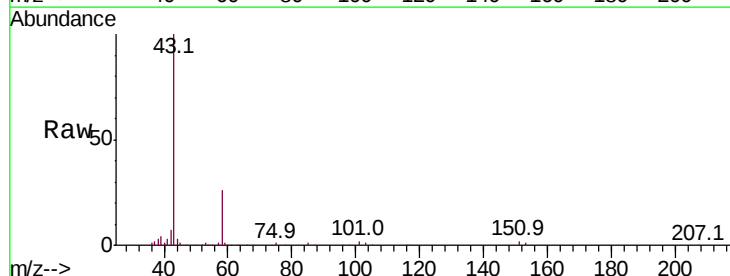
Acq: 21 Oct 2020 23:56

Tgt Ion: 43 Resp: 306491

Ion Ratio Lower Upper

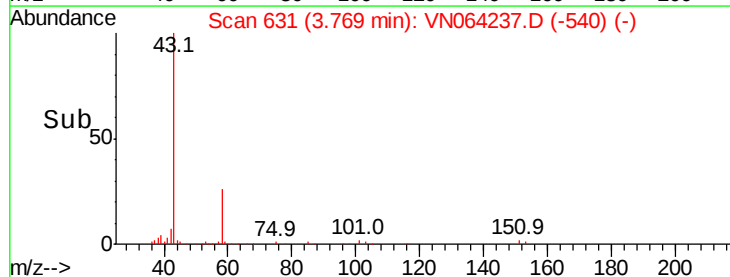
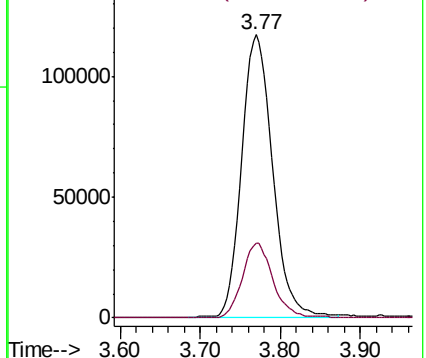
43 100

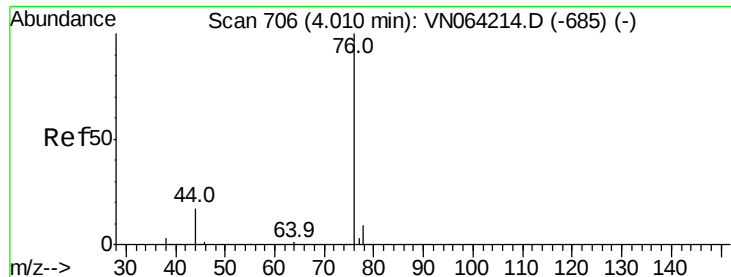
58 26.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-615) (-)

Ion 58.00 (57.70 to 58.70): VN064214.D (-615) (-)





#17

Carbon Disulfide

Concen: 51.069 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

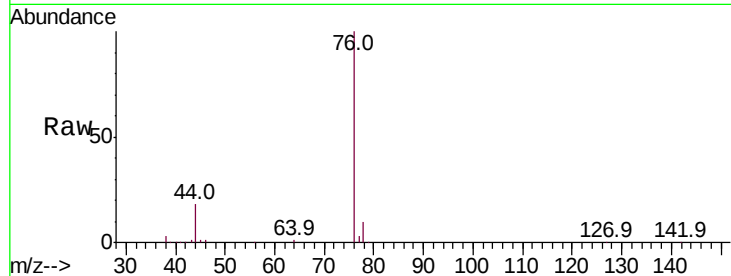
VSTDCCC050

Tot Ion: 76 Resp: 322707

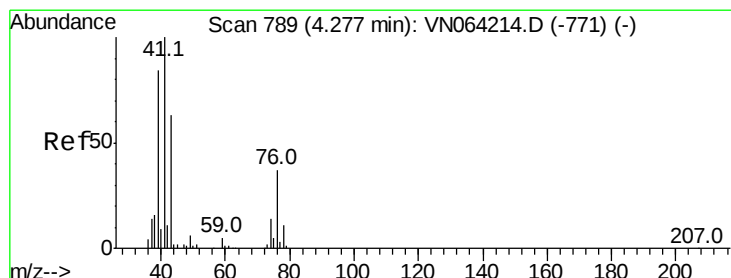
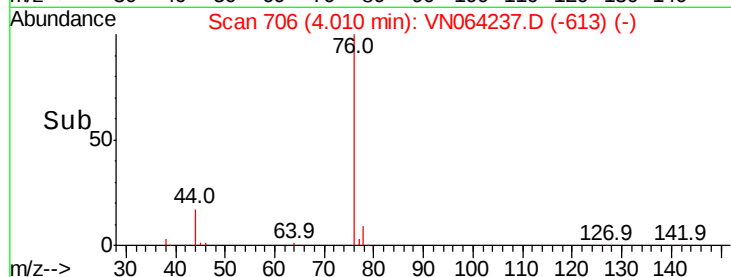
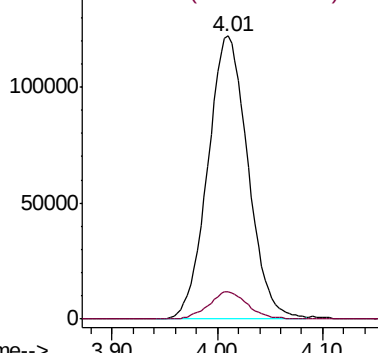
Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 59.696 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN064237.D

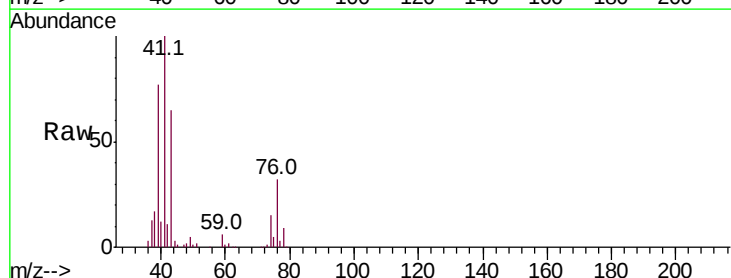
Acq: 21 Oct 2020 23:56

Tgt Ion: 43 Resp: 152778

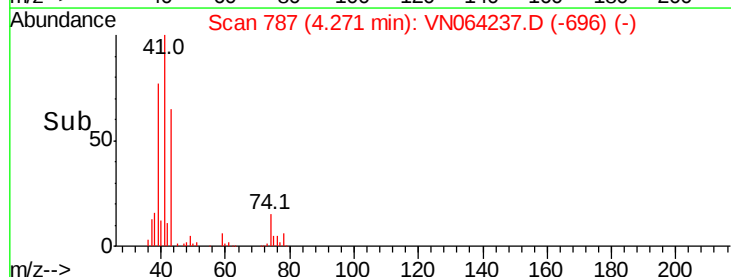
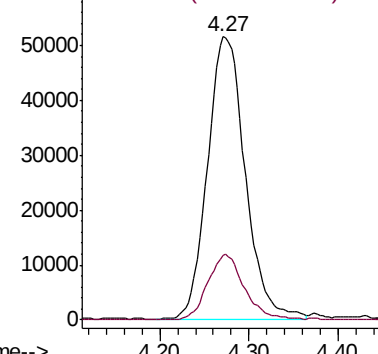
Ion Ratio Lower Upper

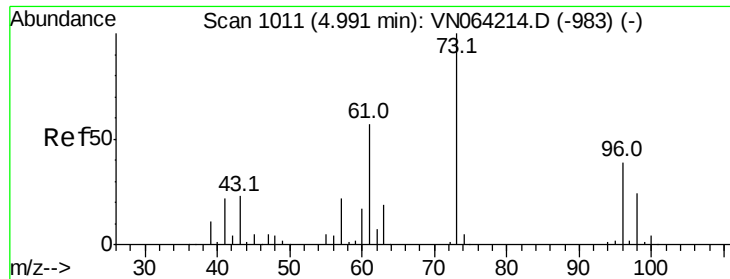
43 100

74 22.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

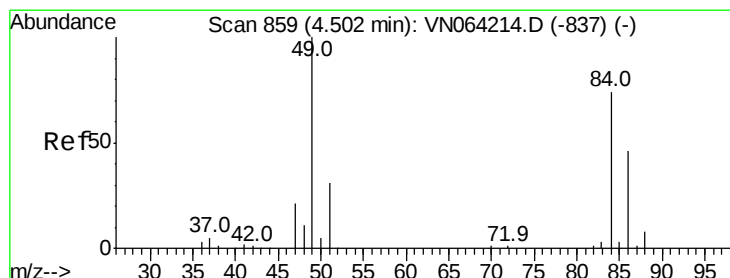
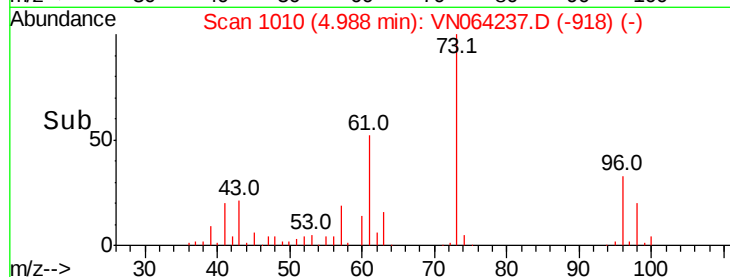
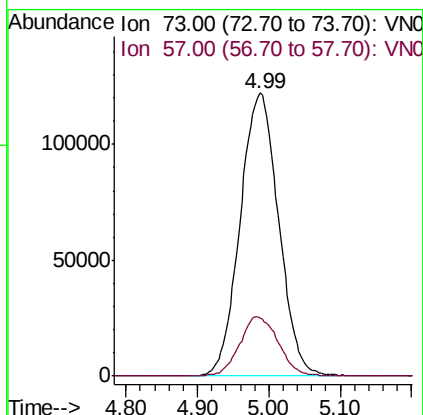
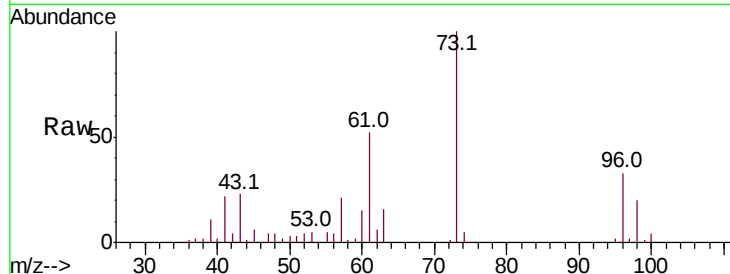




#19
Methyl tert-butyl Ether
Concen: 60.205 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

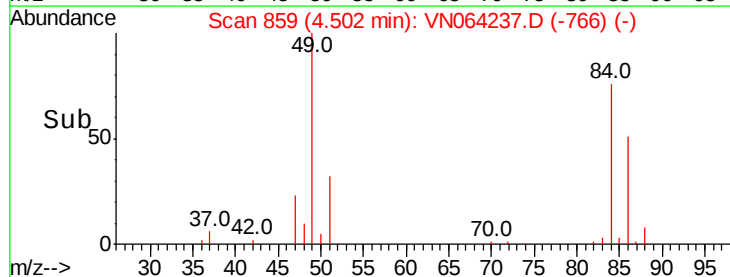
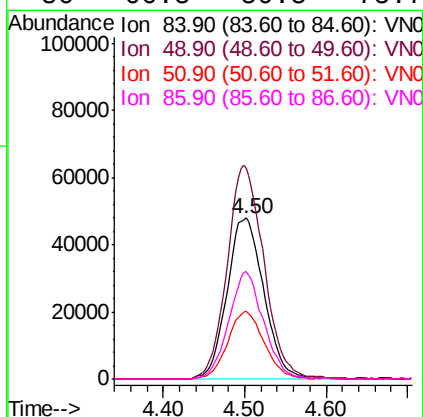
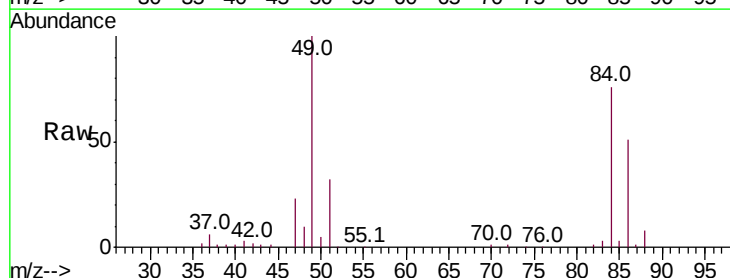
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

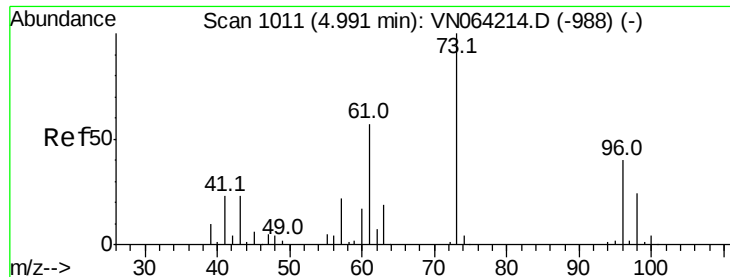
Tot Ion: 73 Resp: 458518
Ion Ratio Lower Upper
73 100
57 20.6 18.0 27.0



#20
Methylene Chloride
Concen: 56.481 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 84 Resp: 151263
Ion Ratio Lower Upper
84 100
49 131.5 108.5 162.7
51 41.9 33.8 50.8
86 66.5 50.5 75.7

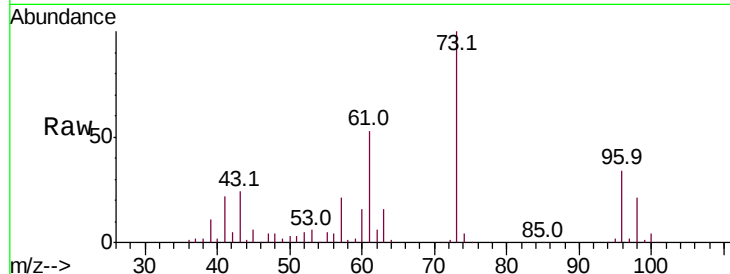




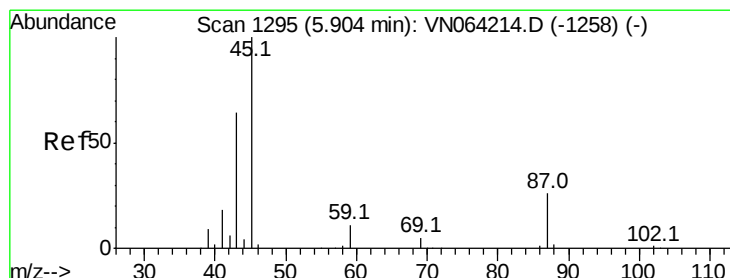
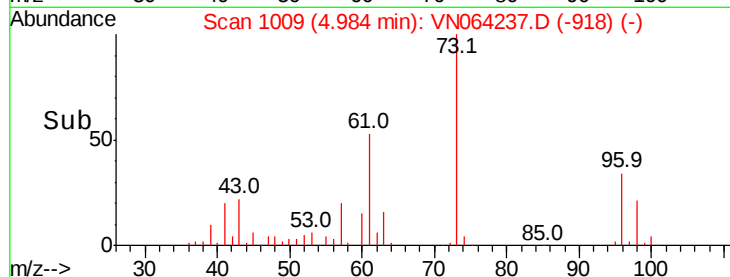
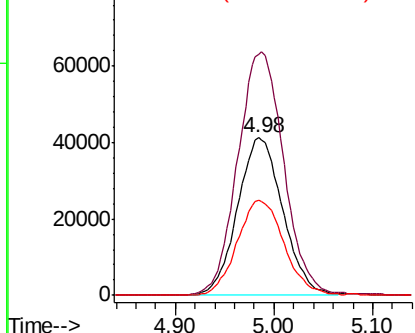
#21
trans-1,2-Dichloroethene
Concen: 53.713 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 131209
Ion Ratio Lower Upper
96 100
61 152.7 115.8 173.6
98 60.6 49.4 74.0

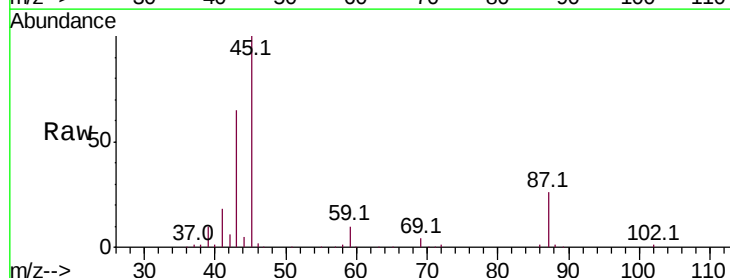


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

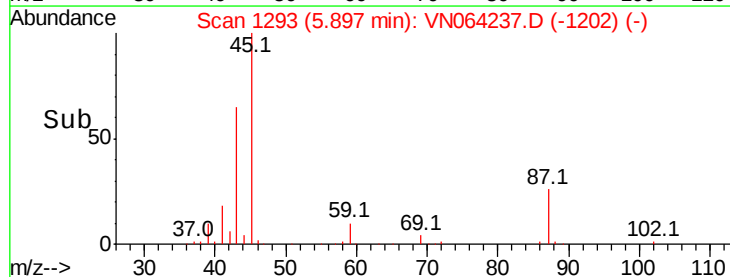
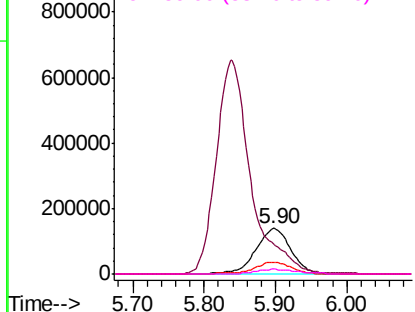


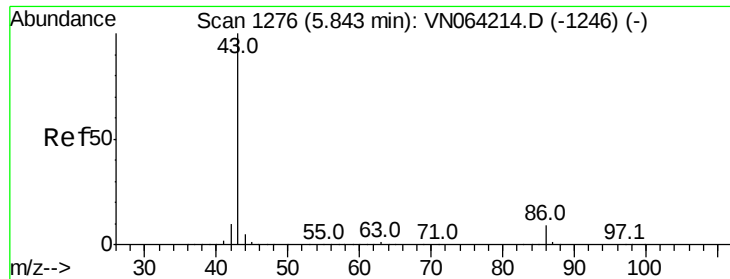
#22
Diisopropyl ether
Concen: 57.408 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 45 Resp: 473163
Ion Ratio Lower Upper
45 100
43 62.6 52.2 78.4
87 25.7 21.4 32.0
59 10.0 8.3 12.5



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

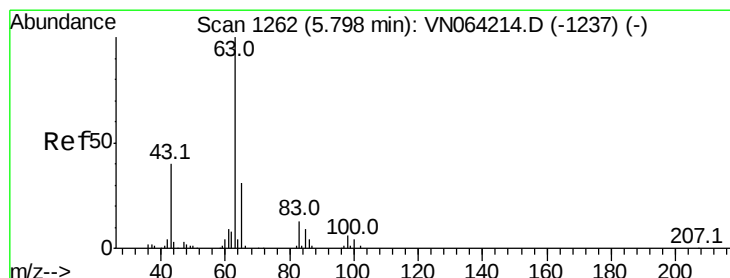
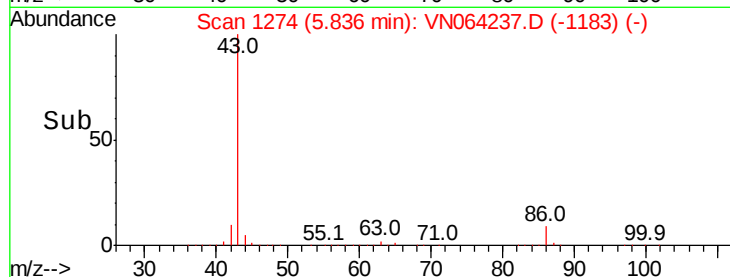
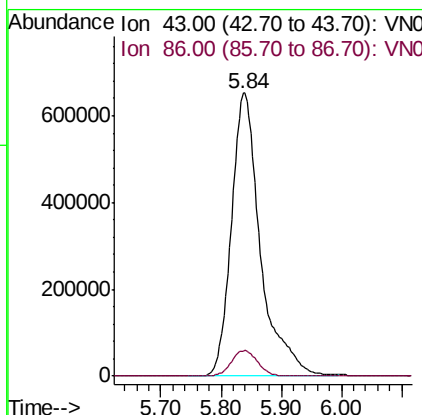
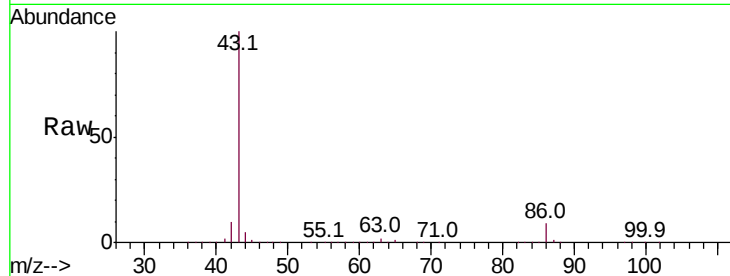




#23
 Vinyl Acetate
 Concen: 299.402 ug/l
 RT: 5.84 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

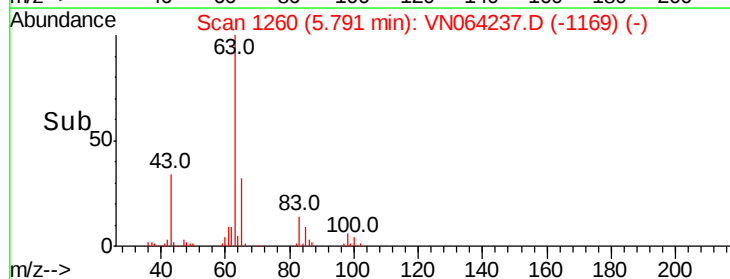
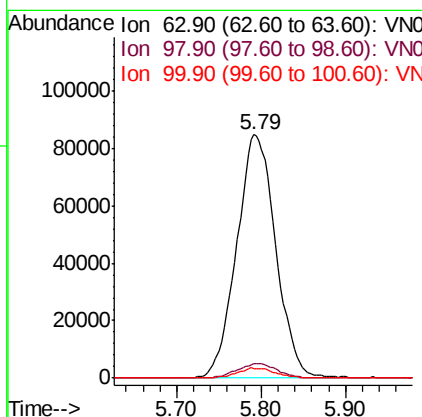
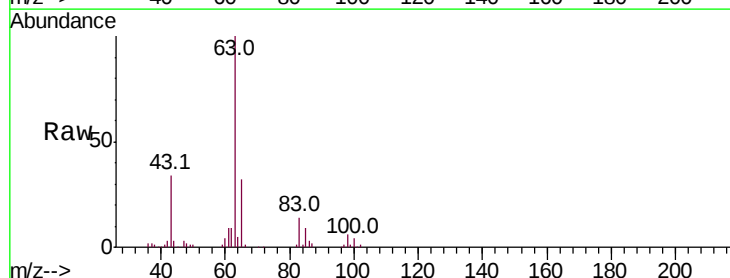
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

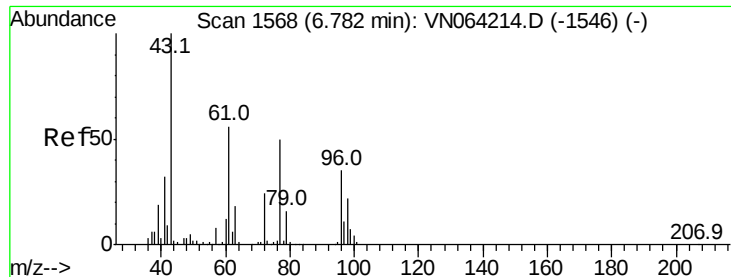
Tot Ion: 43 Resp: 2200713
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 57.214 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Tgt Ion: 63 Resp: 273183
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.7
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 290.668 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

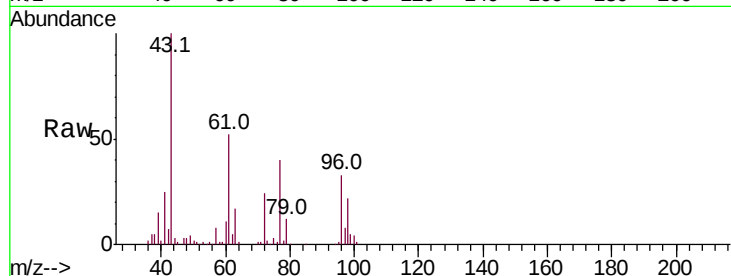
VSTDCCC050

Tot Ion: 43 Resp: 463811

Ion Ratio Lower Upper

43 100

72 24.0 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-1546) (-)

Ion 72.00 (71.70 to 72.70): VN064214.D (-1546) (-)

6.78

150000

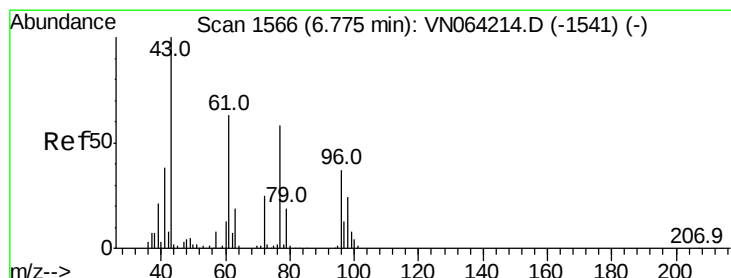
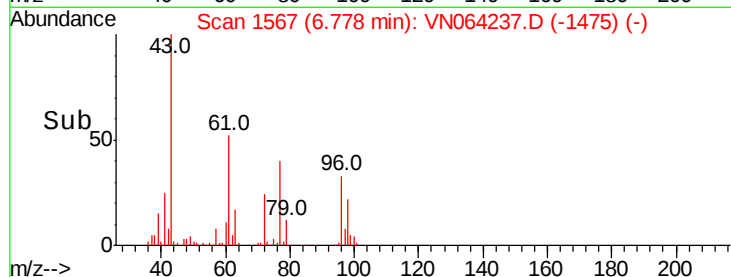
100000

50000

0

6.65 6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 45.348 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064237.D

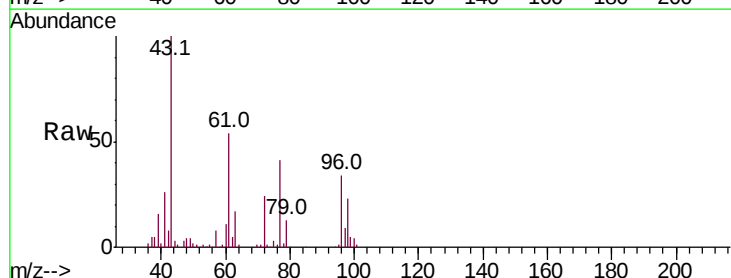
Acq: 21 Oct 2020 23:56

Tgt Ion: 77 Resp: 215560

Ion Ratio Lower Upper

77 100

97 20.9 10.4 31.4



Abundance Ion 76.90 (76.60 to 77.60): VN064237.D (-1473) (-)

Ion 96.90 (96.60 to 97.60): VN064237.D (-1473) (-)

6.78

60000

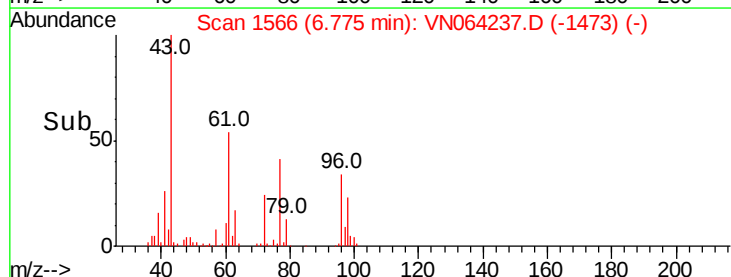
40000

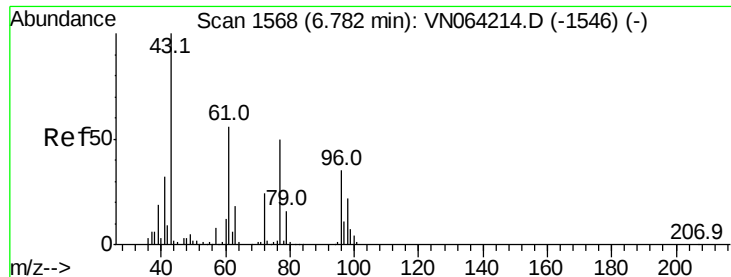
20000

0

6.70 6.80 6.90

Time-->

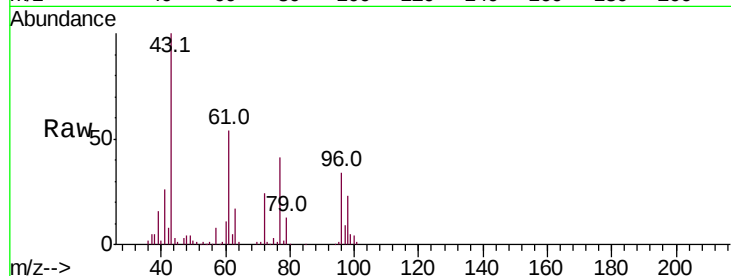




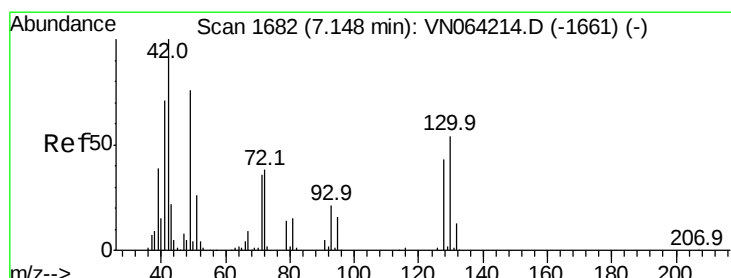
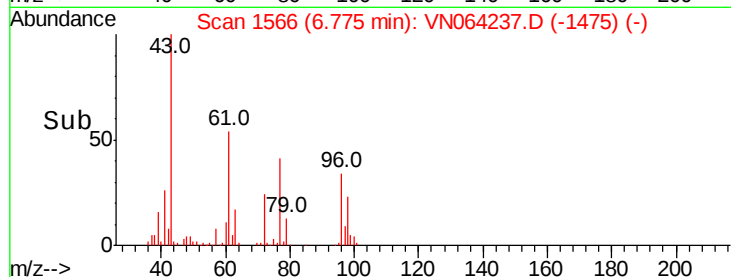
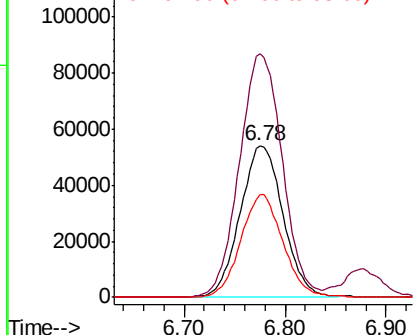
#27
 cis-1,2-Dichloroethene
 Concen: 56.283 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	330.0
98	66.6	0.0	130.6

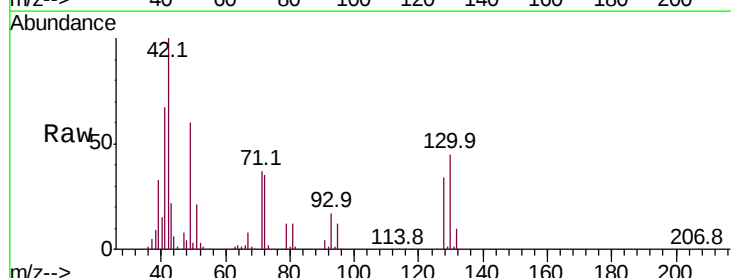


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

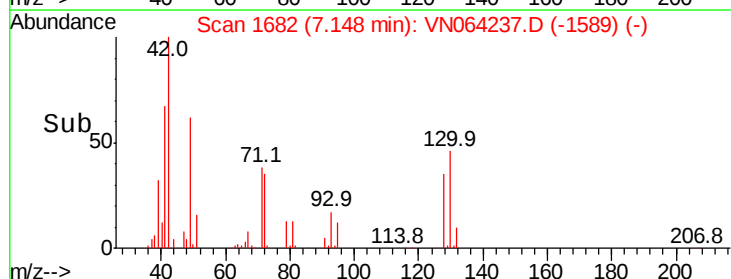
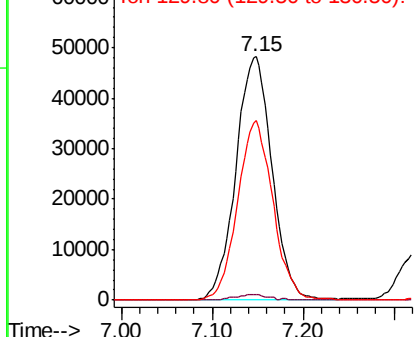


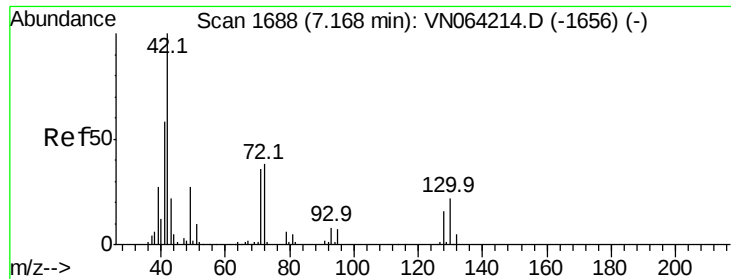
#28
 Bromochloromethane
 Concen: 58.687 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.8
130	71.8	58.8	88.2



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





#29

Tetrahydrofuran

Concen: 299.309 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

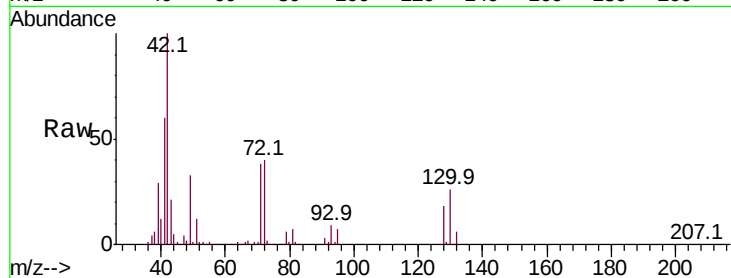
Tot Ion: 42 Resp: 285687

Ion Ratio Lower Upper

42 100

72 38.2 30.8 46.2

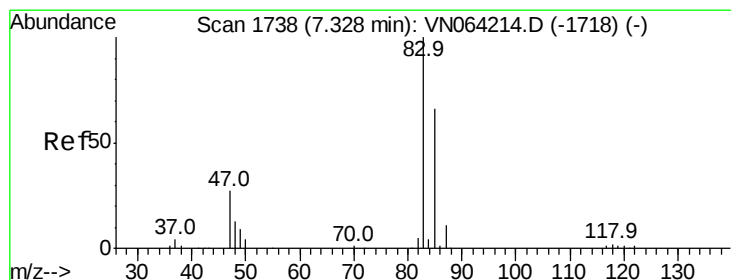
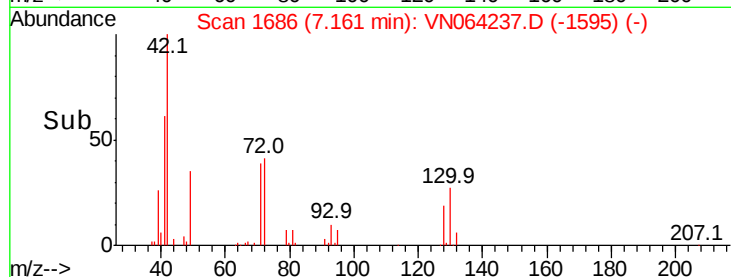
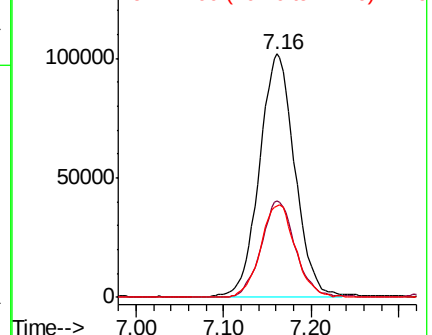
71 37.1 29.0 43.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 57.093 ug/l

RT: 7.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064237.D

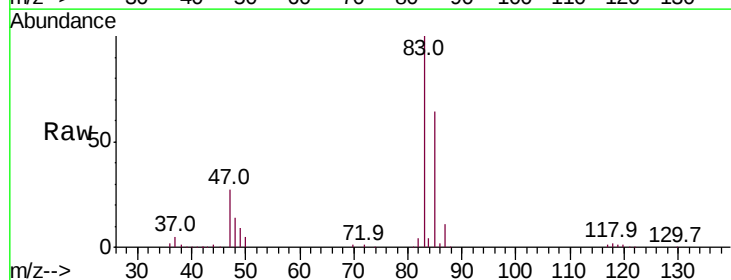
Acq: 21 Oct 2020 23:56

Tgt Ion: 83 Resp: 290778

Ion Ratio Lower Upper

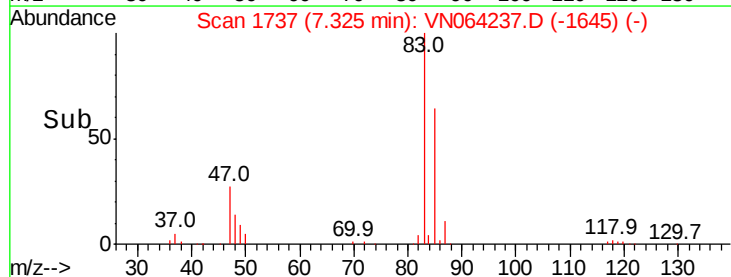
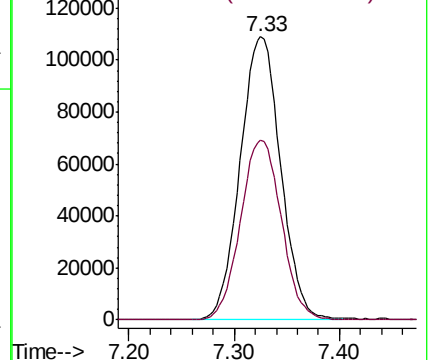
83 100

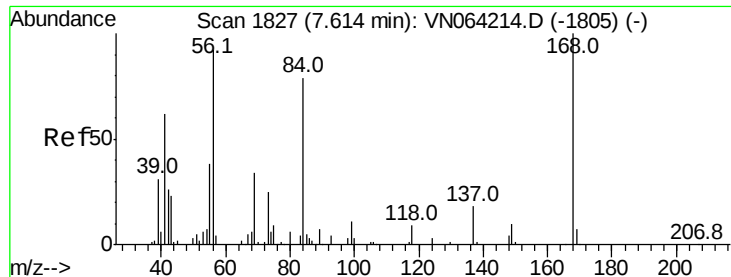
85 63.4 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

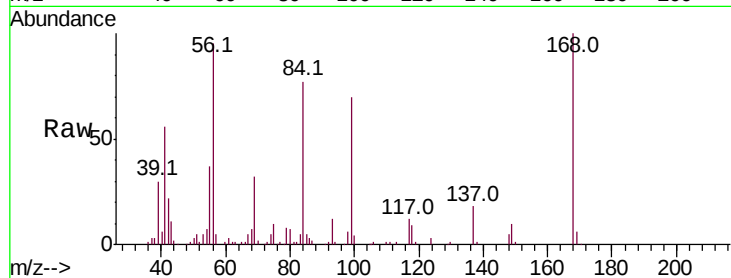




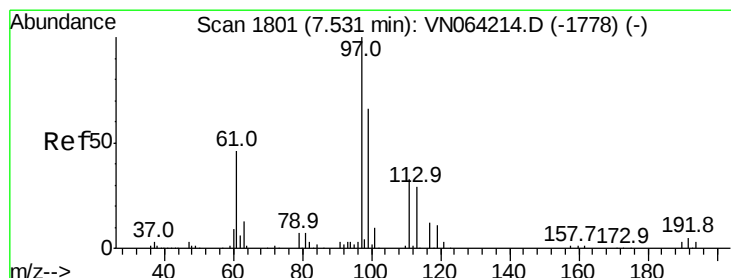
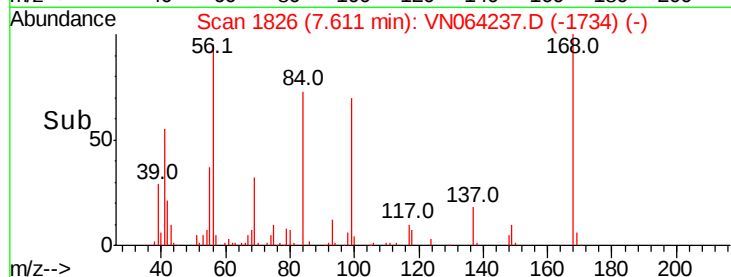
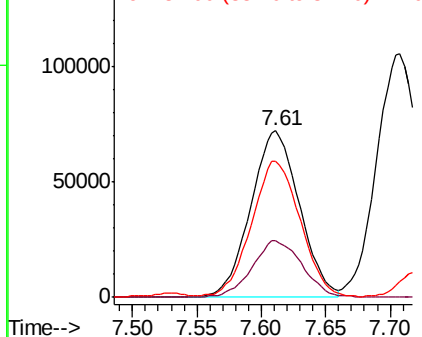
#31
Cyclohexane
Concen: 45.605 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 189767
Ion Ratio Lower Upper
56 100
69 33.8 29.8 44.6
84 80.5 68.1 102.1

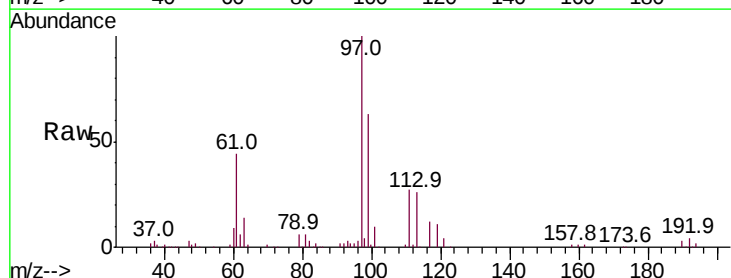


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

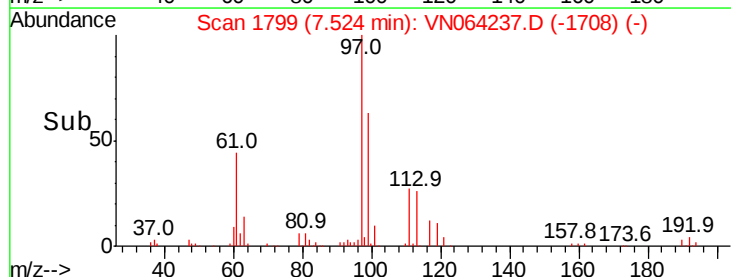
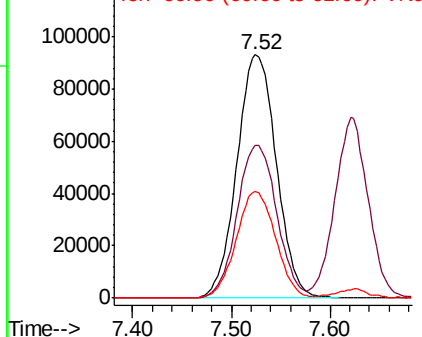


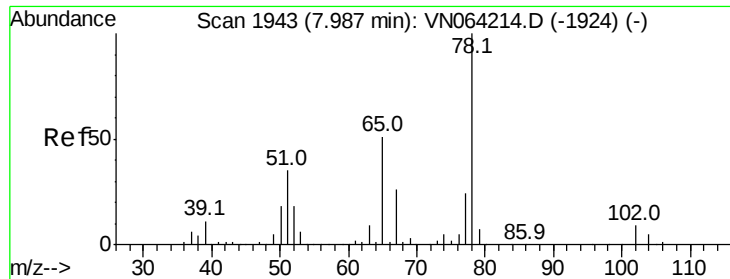
#32
1,1,1-Trichloroethane
Concen: 54.111 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 97 Resp: 258174
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 43.7 36.3 54.5



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

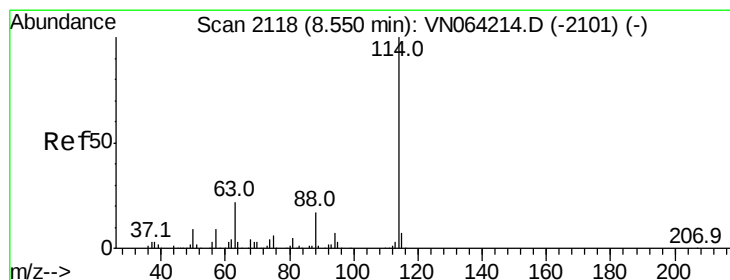
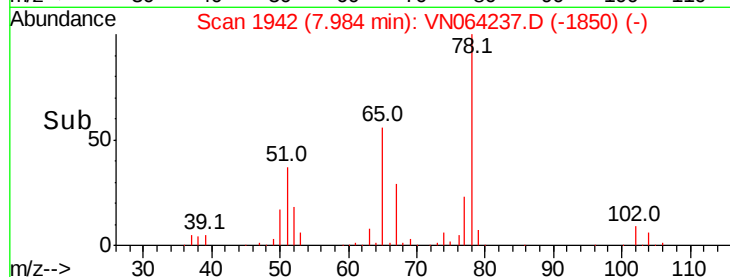
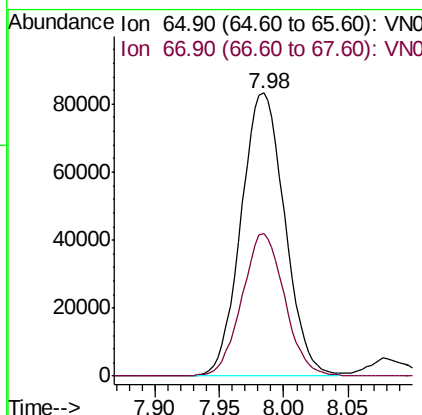
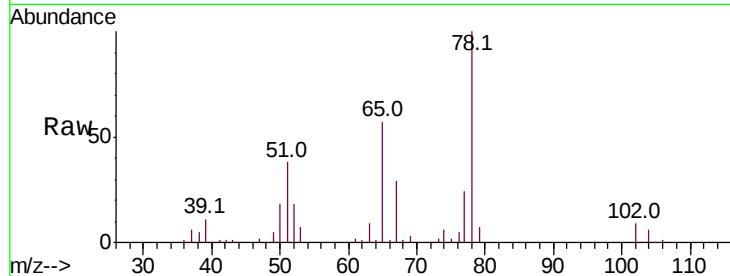




#33
 1,2-Dichloroethane-d4
 Concen: 56.077 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

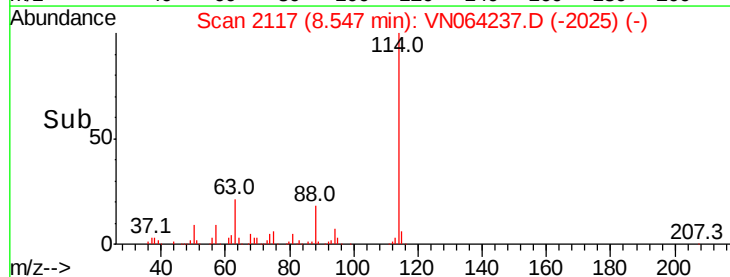
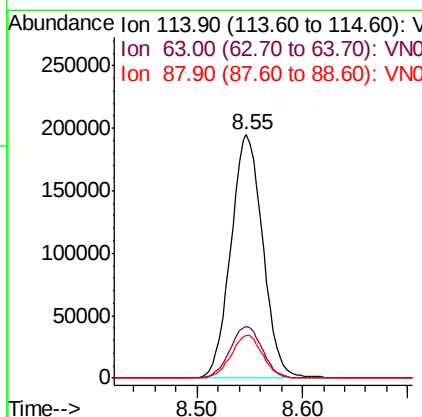
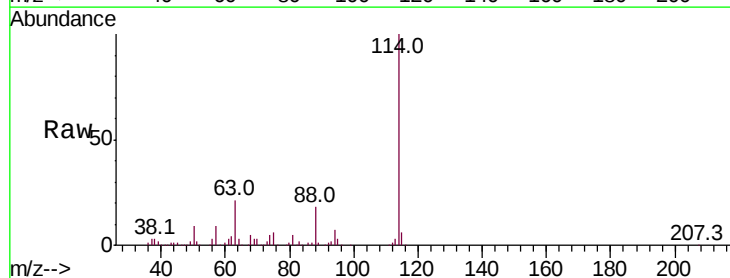
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

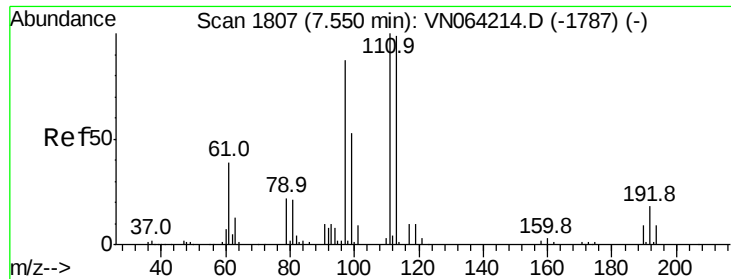
Tot Ion: 65 Resp: 196840
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Tgt Ion: 114 Resp: 408369
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.0
 88 17.7 0.0 34.2

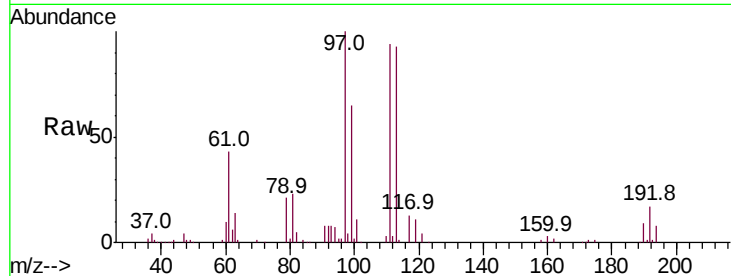




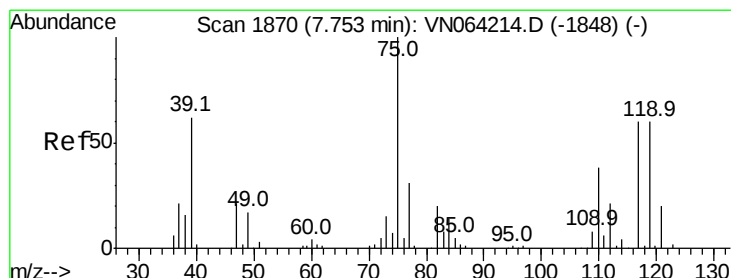
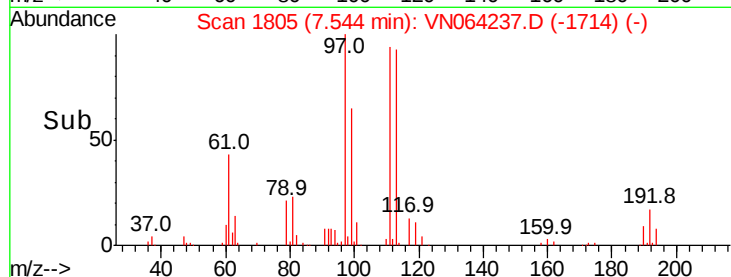
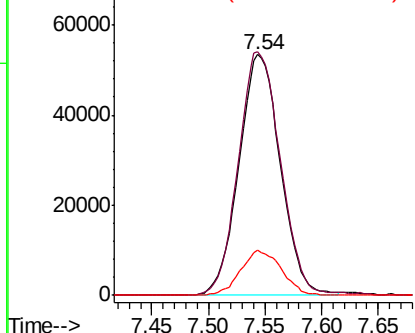
#35
Dibromofluoromethane
Concen: 50.132 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 136110
Ion Ratio Lower Upper
113 100
111 103.1 84.2 126.2
192 18.4 15.2 22.8

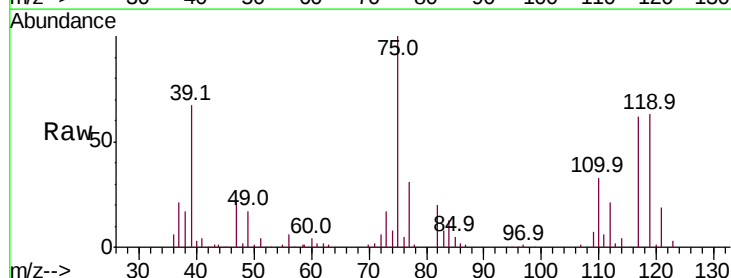


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

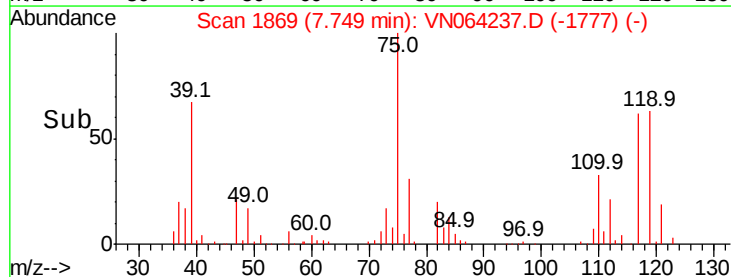
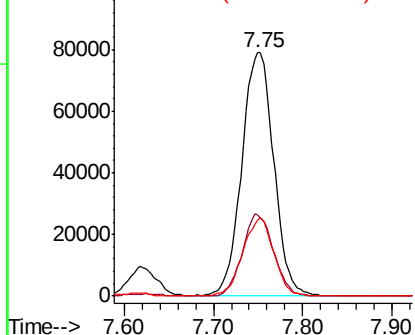


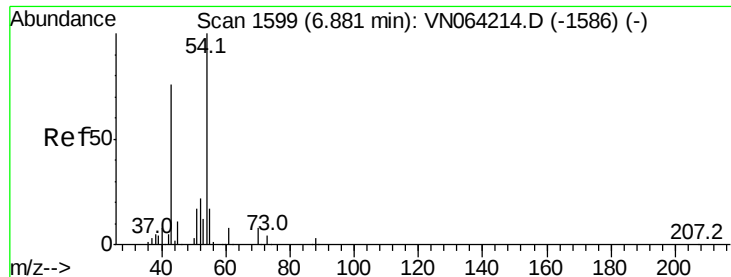
#36
1,1-Dichloropropene
Concen: 48.448 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 75 Resp: 197241
Ion Ratio Lower Upper
75 100
110 32.7 17.2 51.6
77 31.2 24.9 37.3



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

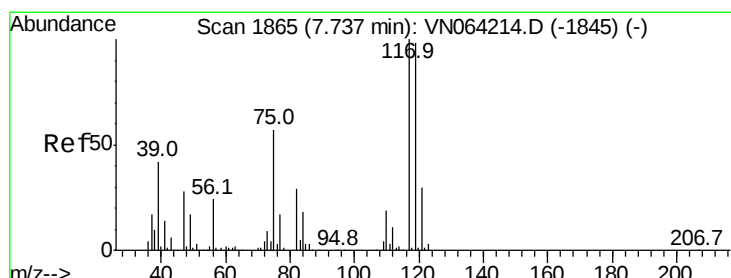
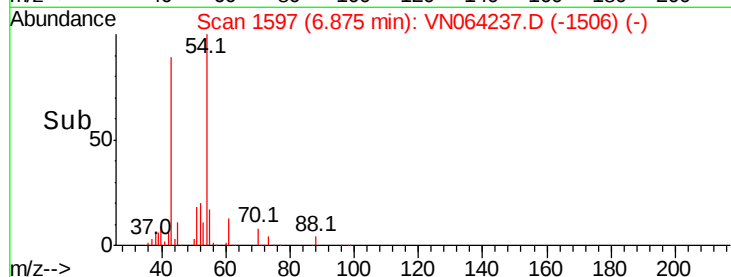
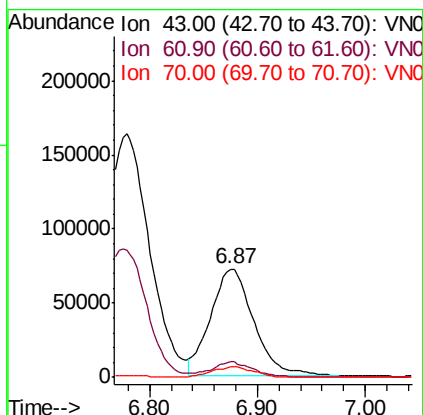
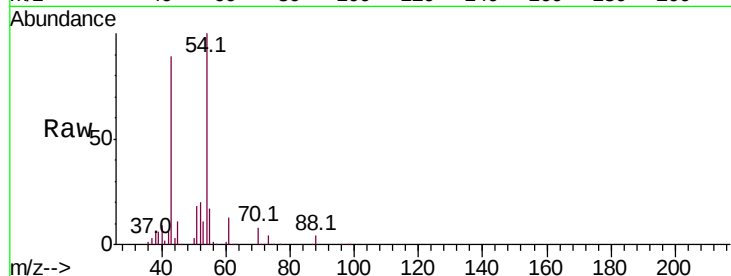




#37
Ethyl Acetate
Concen: 54.614 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

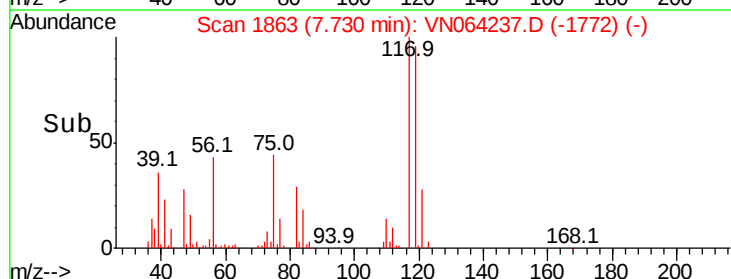
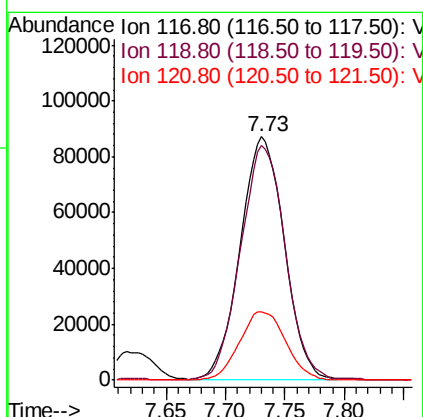
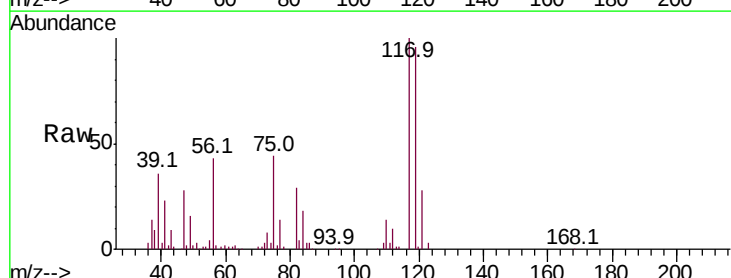
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

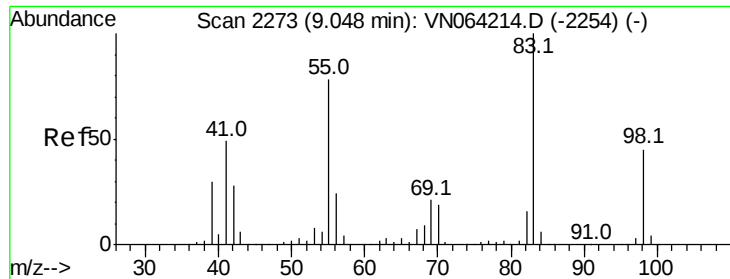
Tot Ion: 43 Resp: 201876
Ion Ratio Lower Upper
43 100
61 13.0 10.0 15.0
70 9.6 7.5 11.3



#38
Carbon Tetrachloride
Concen: 47.966 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 117 Resp: 222181
Ion Ratio Lower Upper
117 100
119 96.3 78.5 117.7
121 28.0 24.3 36.5

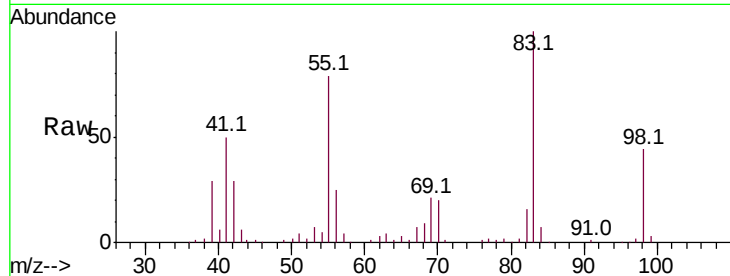




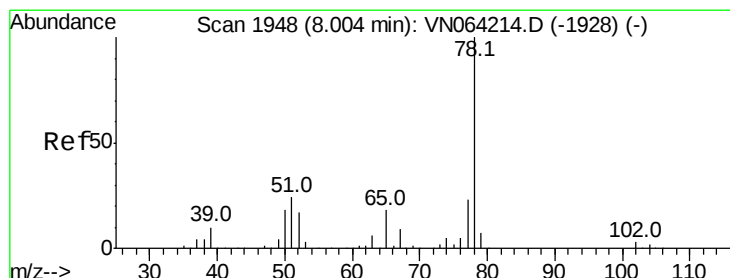
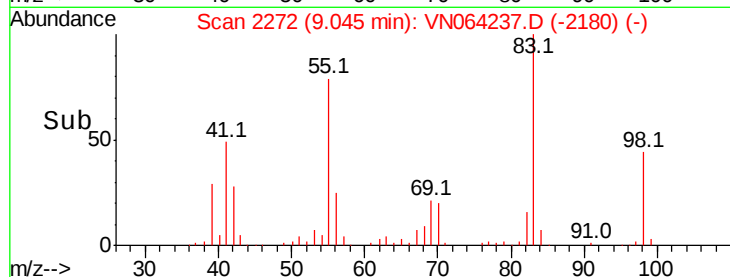
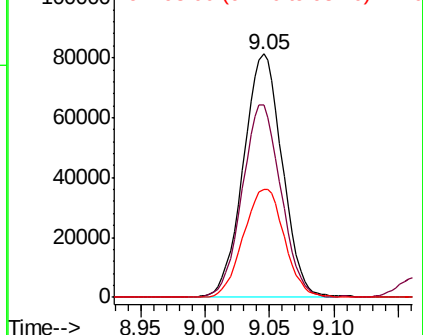
#39
Methvlcvclohexane
Concen: 46.213 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 171078
Ion Ratio Lower Upper
83 100
55 78.8 62.2 93.2
98 44.4 35.9 53.9

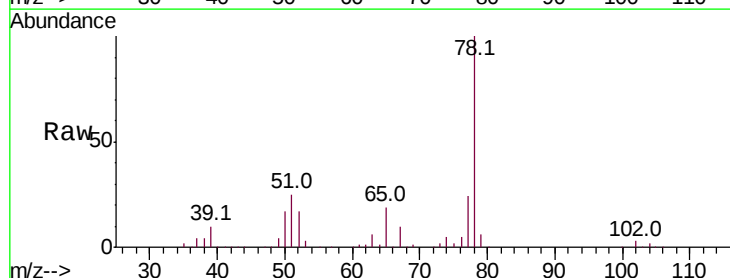


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

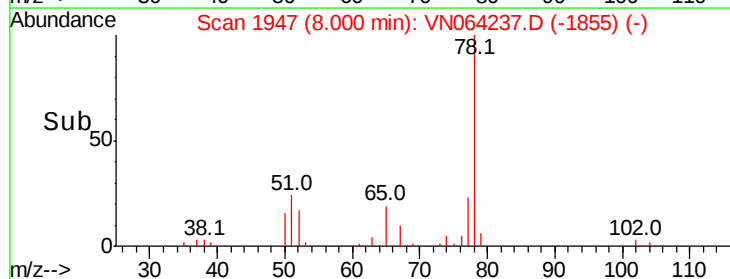
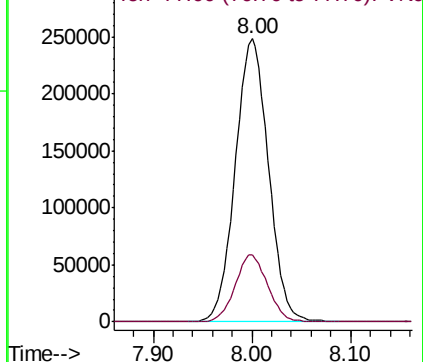


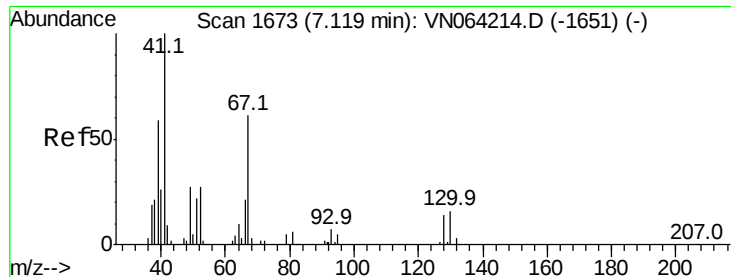
#40
Benzene
Concen: 51.530 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 78 Resp: 579108
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

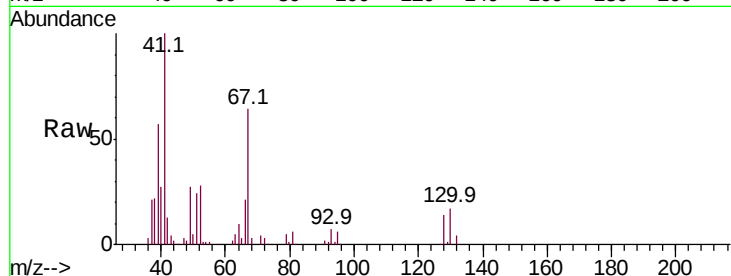




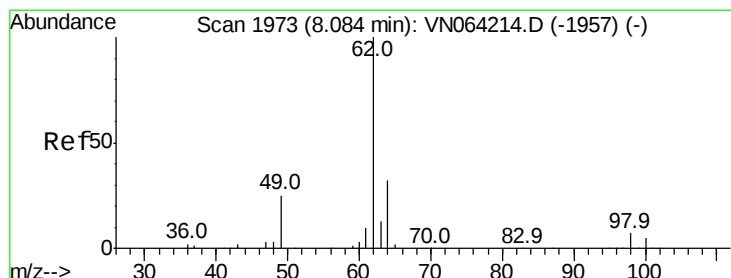
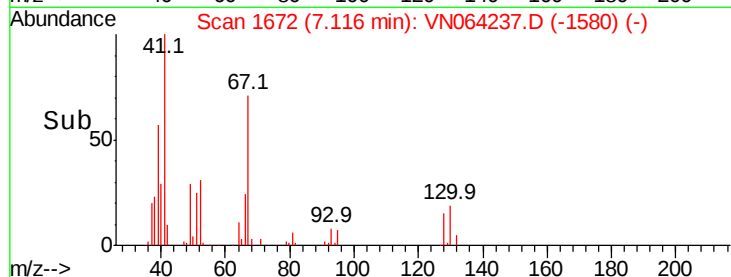
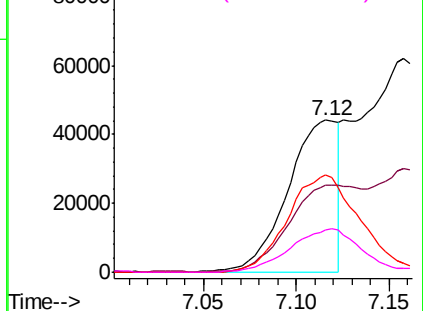
#41
Methacrylonitrile
Concen: 43.122 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	83614
Ion	Ratio	Lower	Upper
41	100		
39	85.2	50.5	75.7#
67	92.3	63.2	94.8
52	41.1	29.3	43.9

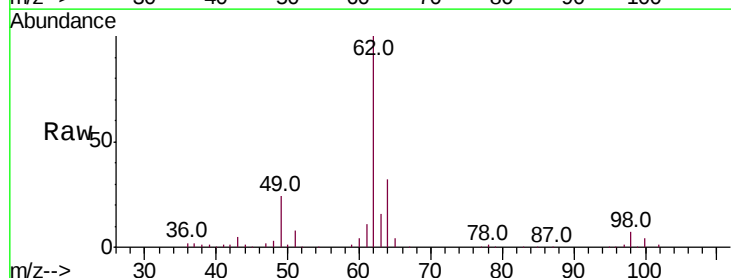


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

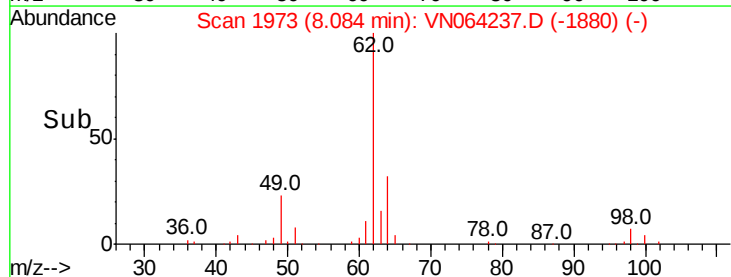
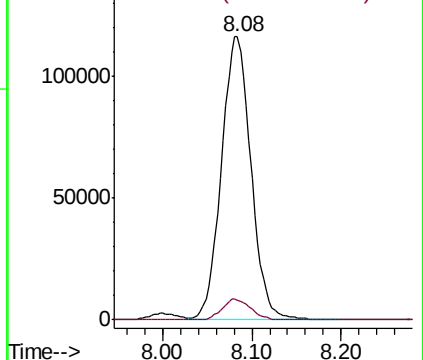


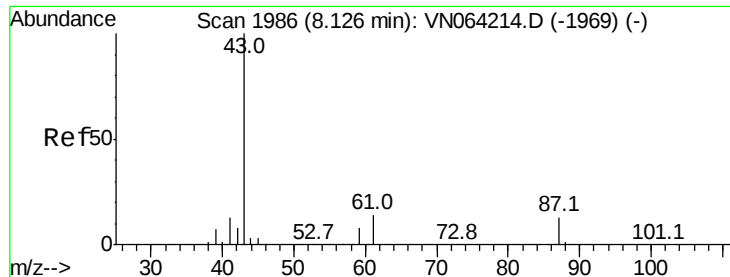
#42
1,2-Dichloroethane
Concen: 55.059 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion:	62	Resp:	265073
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.0



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





#43

Isopropyl Acetate

Concen: 56.383 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

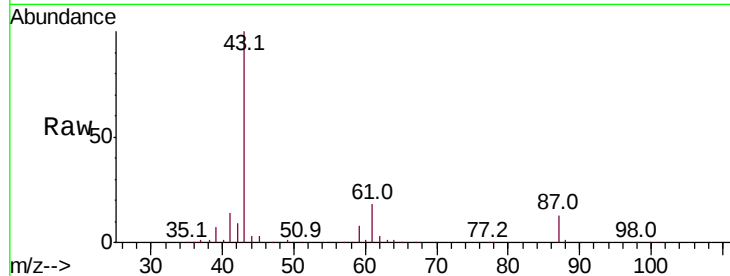
Tot Ion: 43 Resp: 388415

Ion Ratio Lower Upper

43 100

61 23.9 19.6 29.4

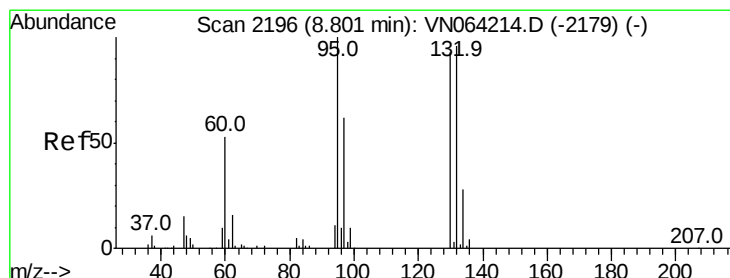
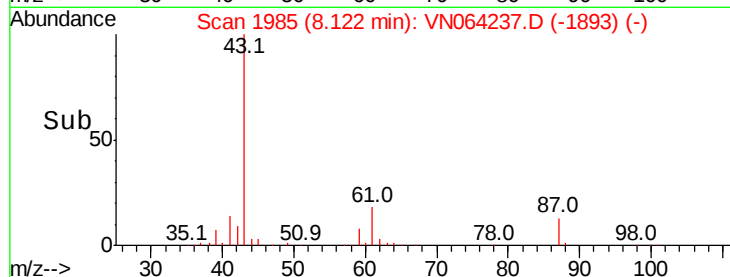
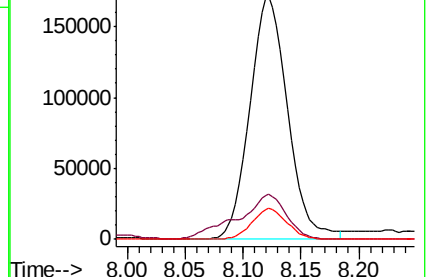
87 11.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN064214.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN064214.D (-1969) (-)



#44

Trichloroethene

Concen: 50.003 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064237.D

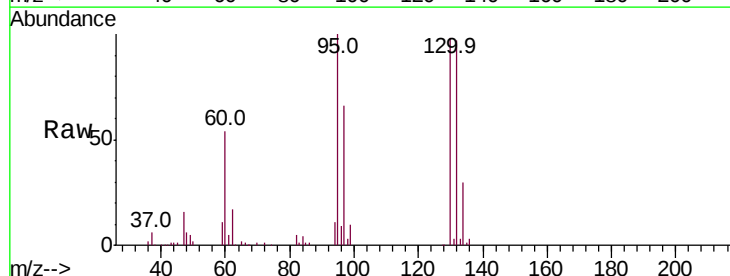
Acq: 21 Oct 2020 23:56

Tgt Ion:130 Resp: 153133

Ion Ratio Lower Upper

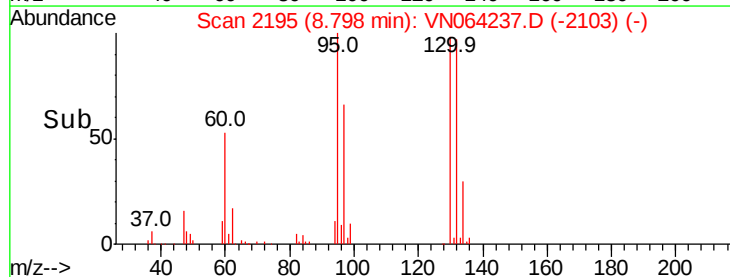
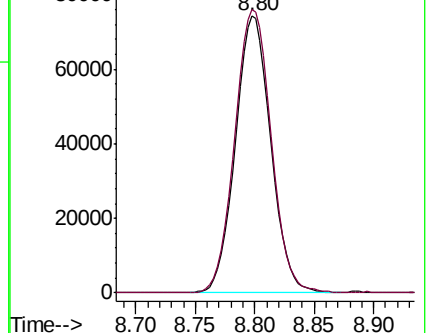
130 100

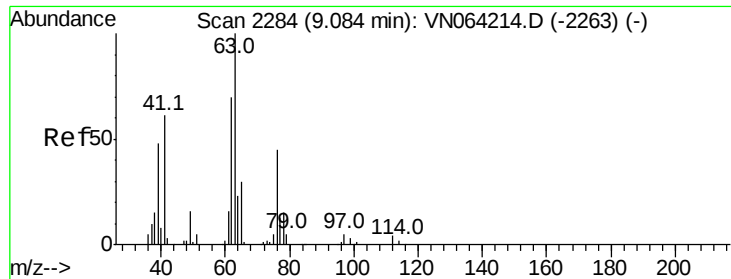
95 102.2 0.0 214.0



Abundance Ion 129.80 (129.50 to 130.50): VN064214.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064214.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 53.944 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

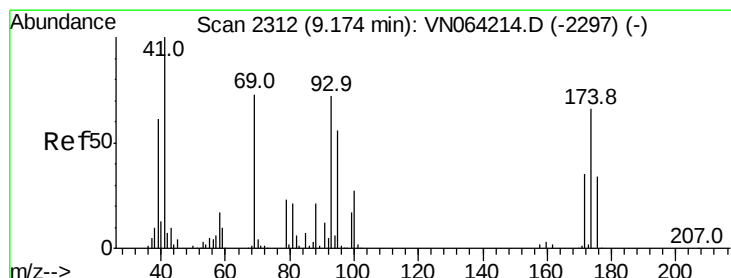
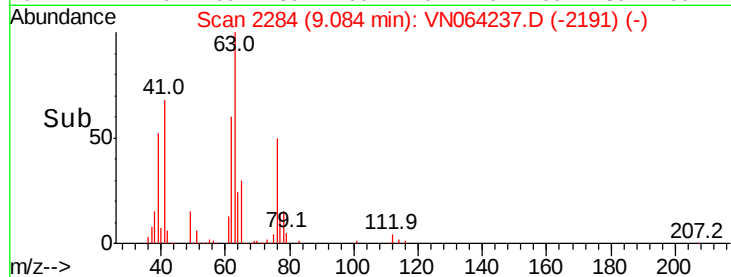
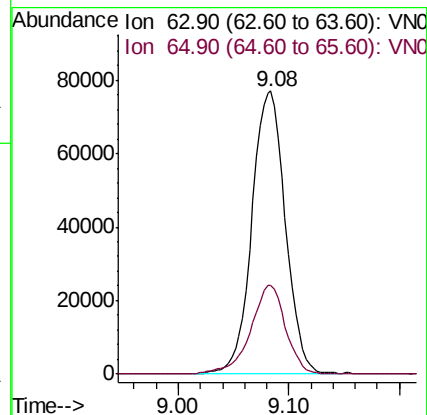
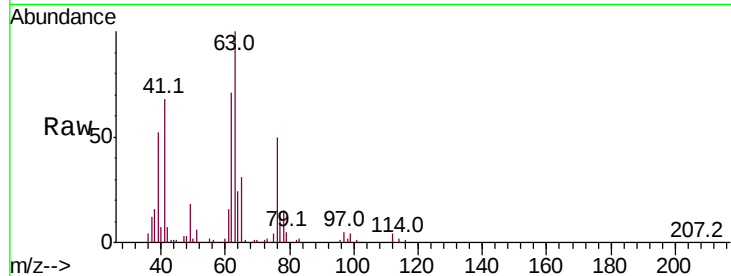
VSTDCCC050

Tot Ion: 63 Resp: 161845

Ion Ratio Lower Upper

63 100

65 31.2 24.0 36.0



#46

Dibromomethane

Concen: 56.255 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

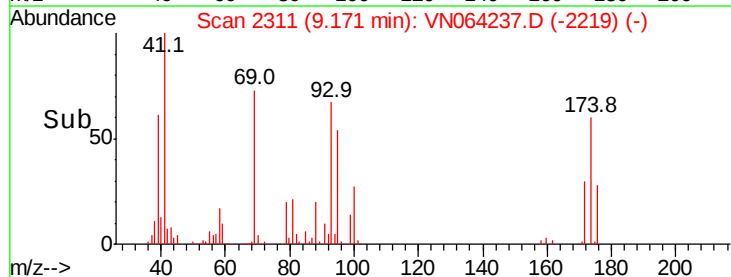
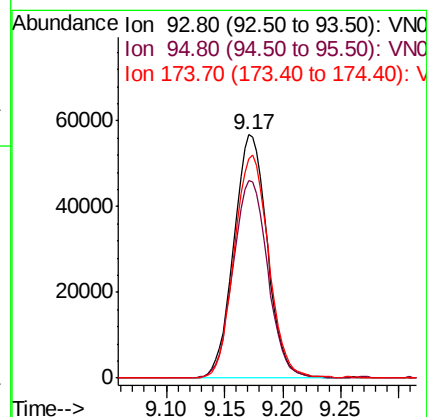
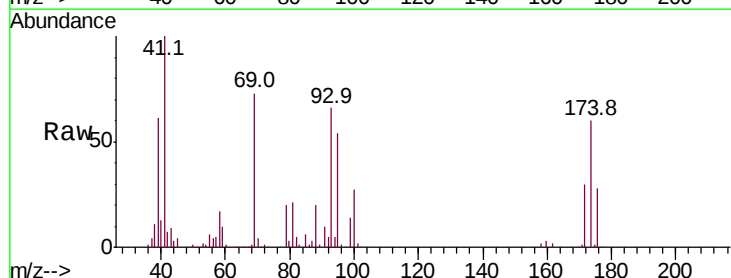
Tgt Ion: 93 Resp: 113330

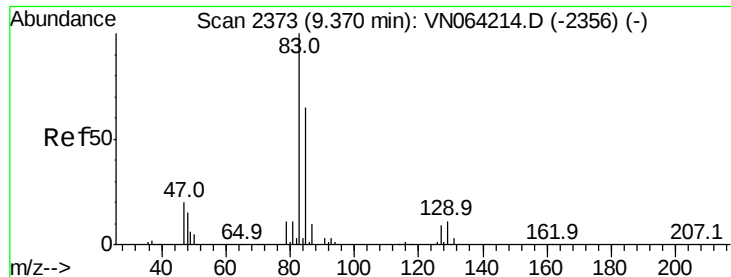
Ion Ratio Lower Upper

93 100

95 84.2 63.0 94.4

174 94.4 72.9 109.3





#47

Bromodichloromethane

Concen: 56.693 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

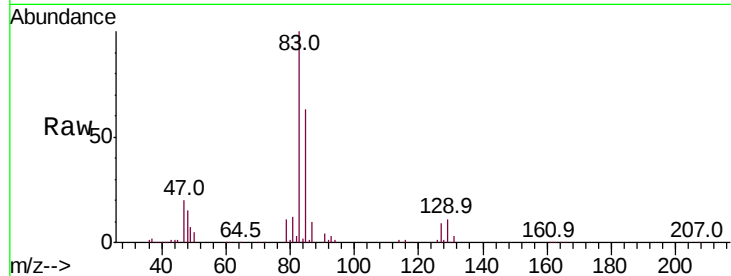
Tot Ion: 83 Resp: 252330

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.8

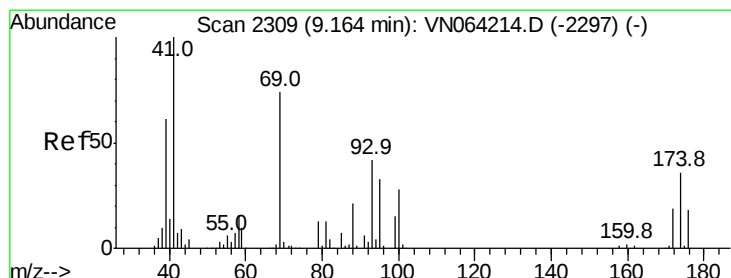
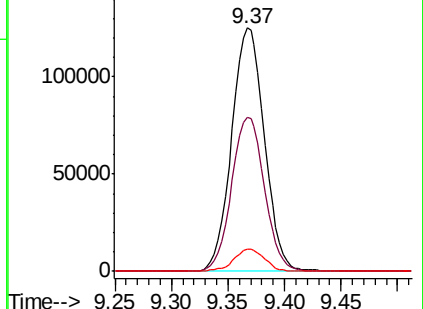
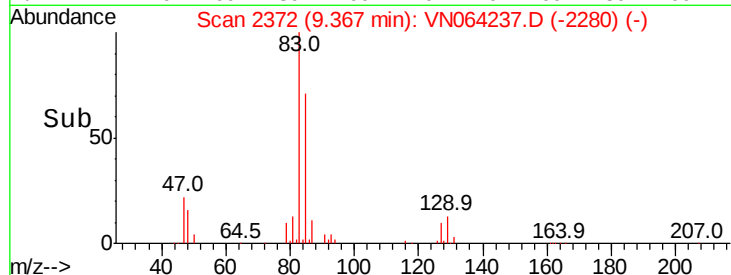
127 9.0 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN064237.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064237.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064237.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.755 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

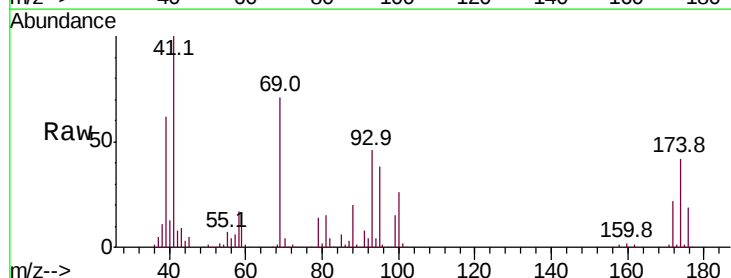
Tgt Ion: 41 Resp: 193447

Ion Ratio Lower Upper

41 100

69 70.8 57.3 85.9

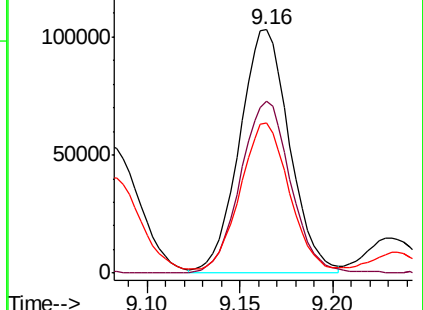
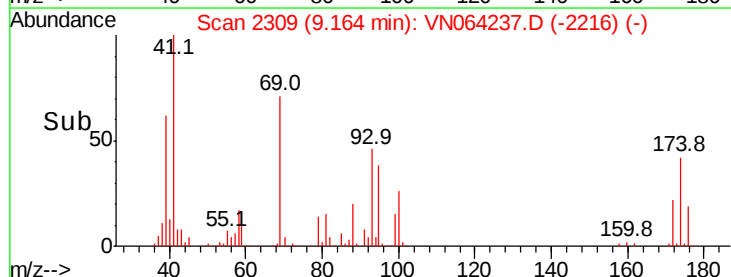
39 61.1 48.6 73.0

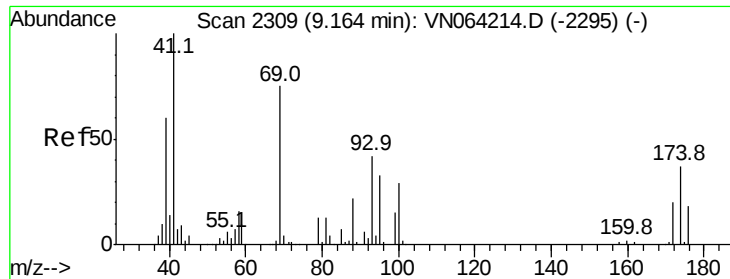


Abundance Ion 41.00 (40.70 to 41.70): VN064237.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064237.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064237.D (-2216) (-)

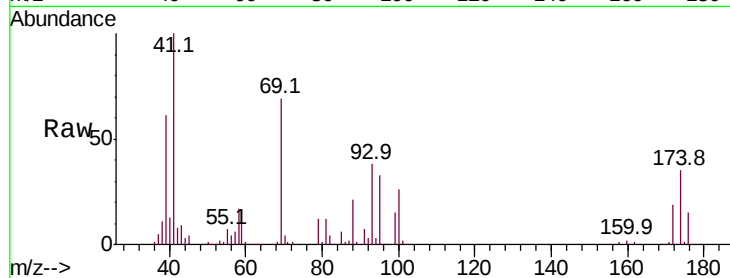




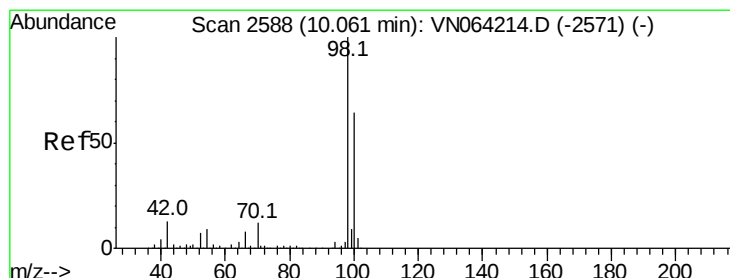
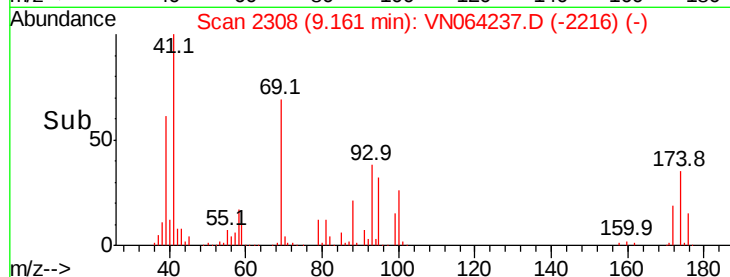
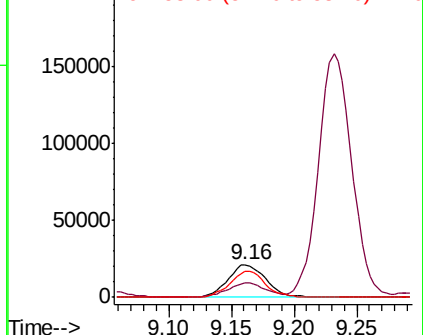
#49
1,4-Dioxane
Concen: 1058.193 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 44556
Ion Ratio Lower Upper
88 100
43 41.1 34.6 52.0
58 75.4 59.0 88.6

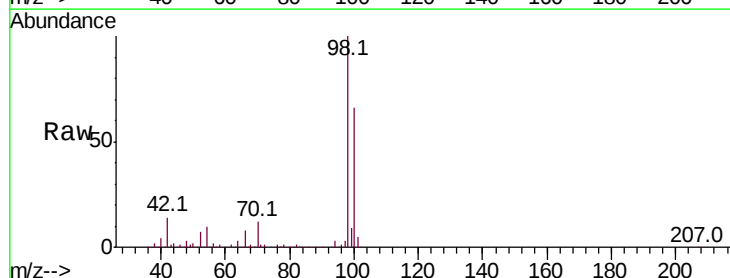


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

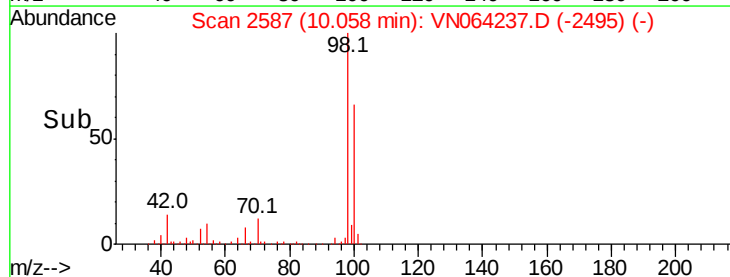
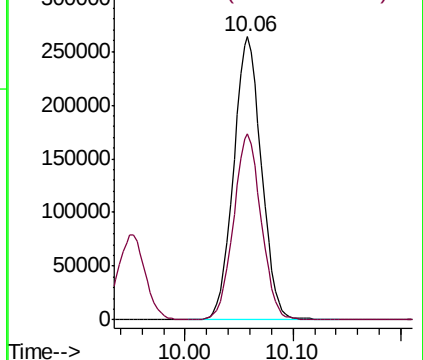


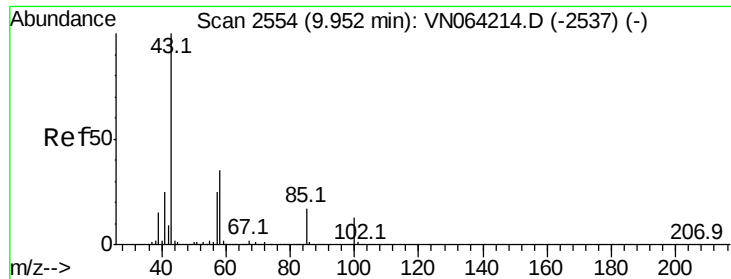
#50
Toluene-d8
Concen: 48.152 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 98 Resp: 474243
Ion Ratio Lower Upper
98 100
100 65.2 50.8 76.2



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

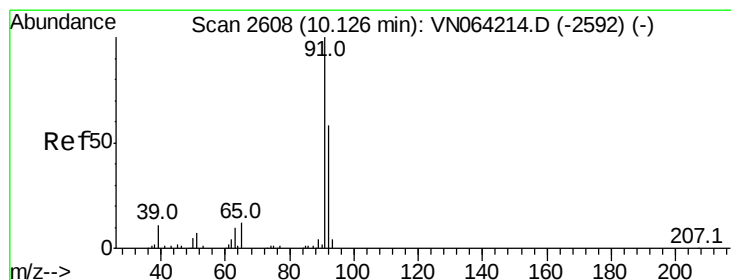
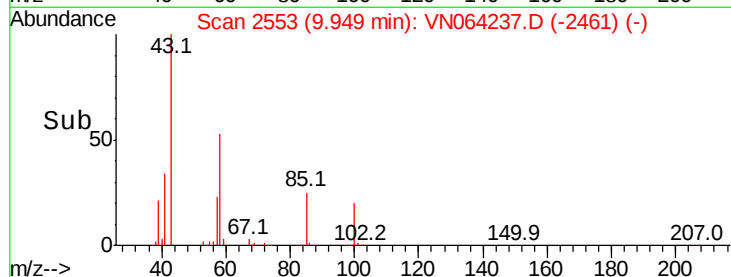
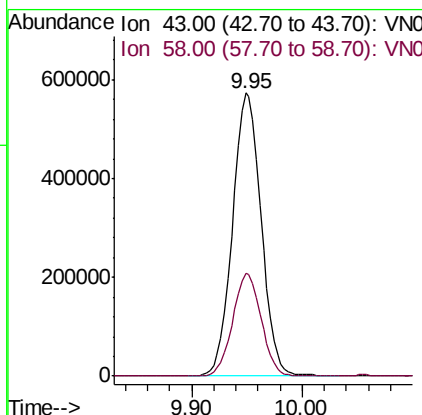
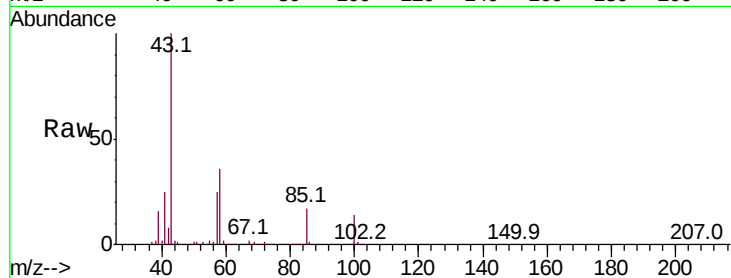




#51
 4-Methyl-2-Pentanone
 Concen: 278.725 ug/l
 RT: 9.95 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

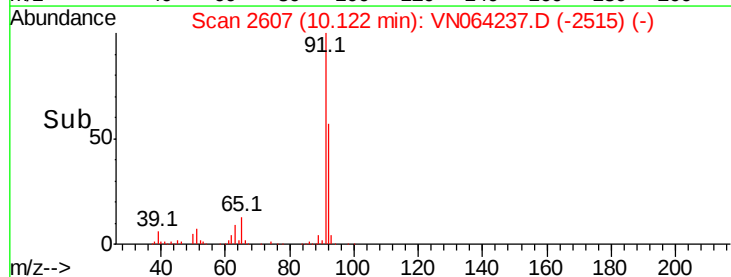
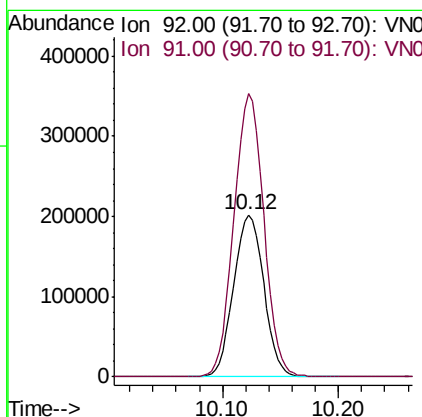
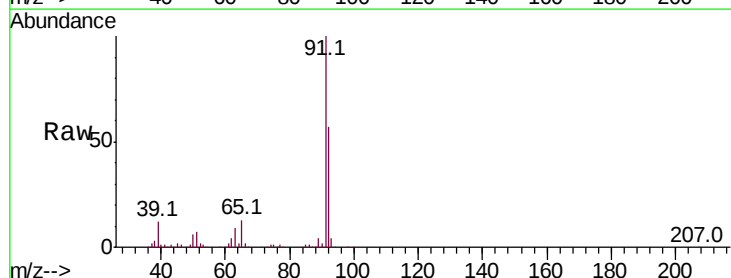
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

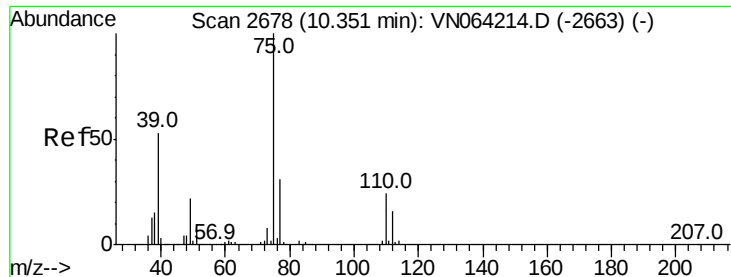
Tot Ion: 43 Resp: 1026202
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.6 42.8



#52
 Toluene
 Concen: 50.914 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Tgt Ion: 92 Resp: 366121
 Ion Ratio Lower Upper
 92 100
 91 173.3 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 54.656 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

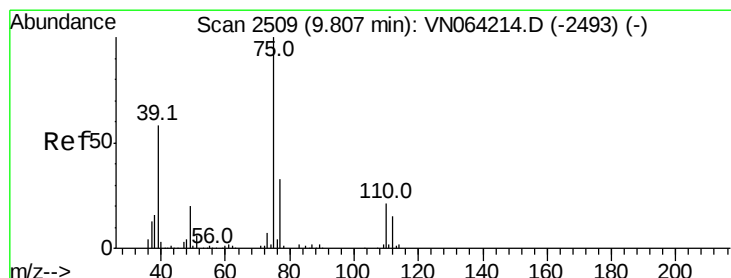
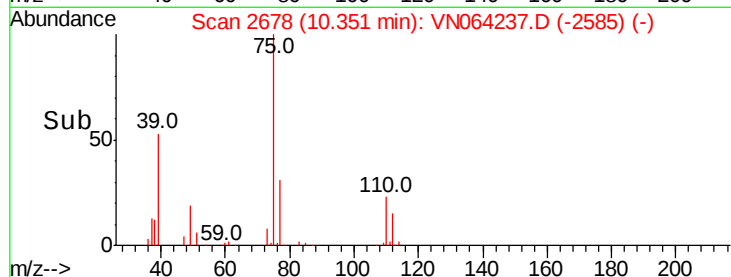
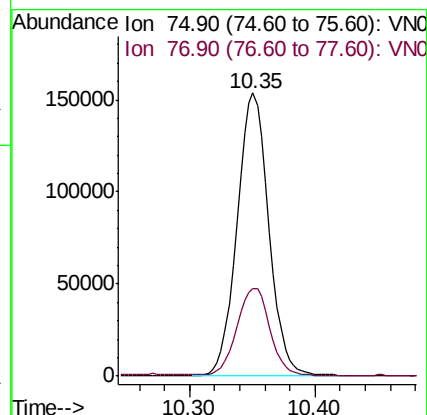
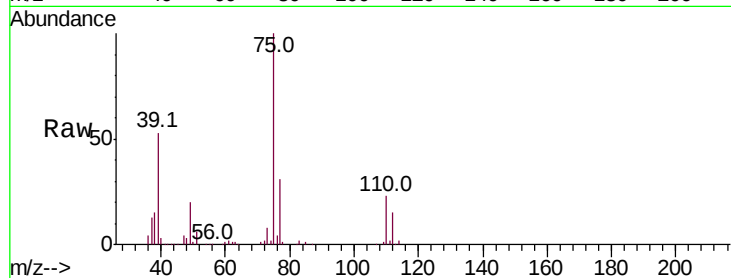
VSTDCCC050

Tot Ion: 75 Resp: 270235

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.313 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

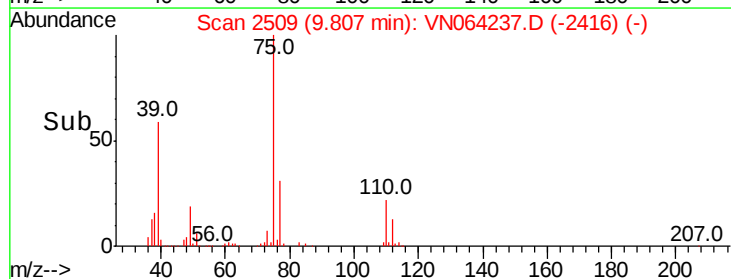
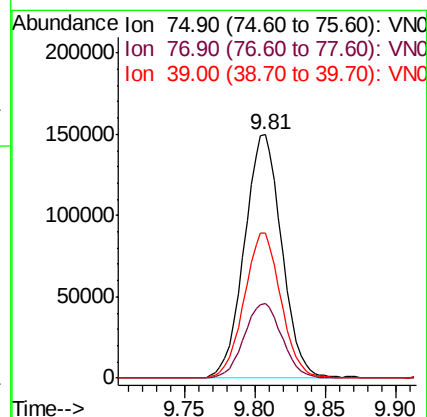
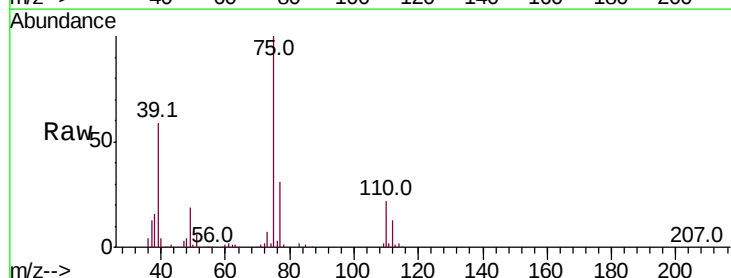
Tgt Ion: 75 Resp: 277540

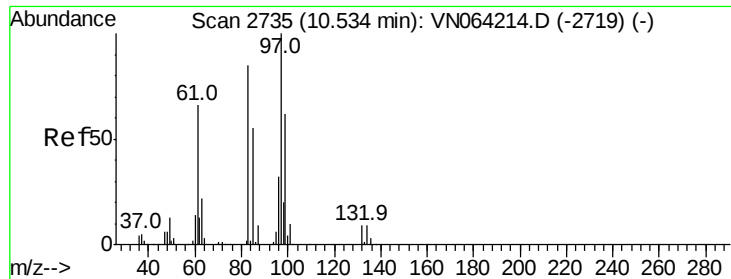
Ion Ratio Lower Upper

75 100

77 30.7 26.6 39.8

39 59.5 46.7 70.1

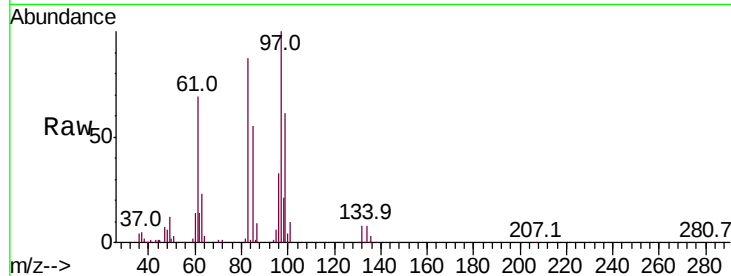




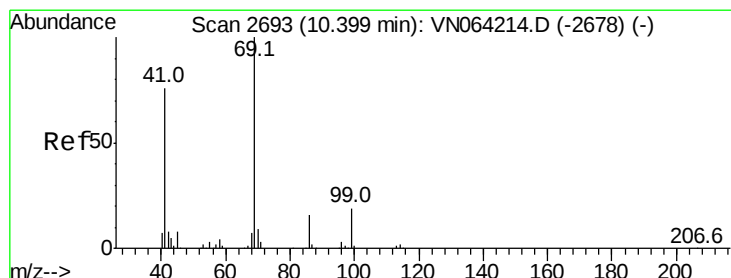
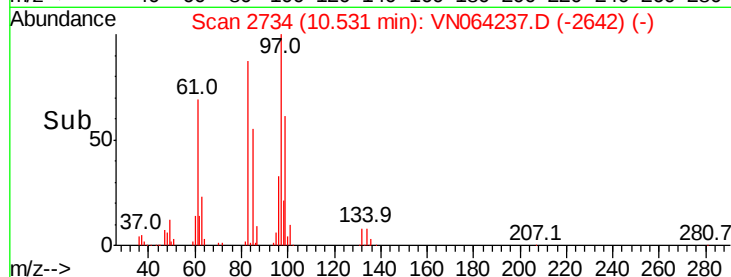
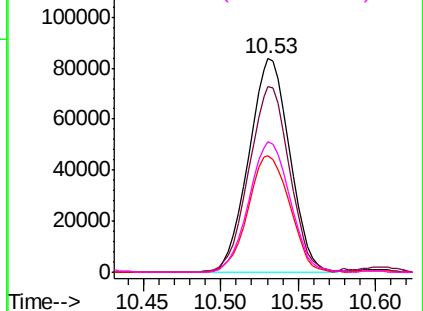
#55
 1,1,2-Trichloroethane
 Concen: 56.700 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 153992
 Ion Ratio Lower Upper
 97 100
 83 86.9 67.8 101.6
 85 54.7 43.6 65.4
 99 61.1 49.9 74.9

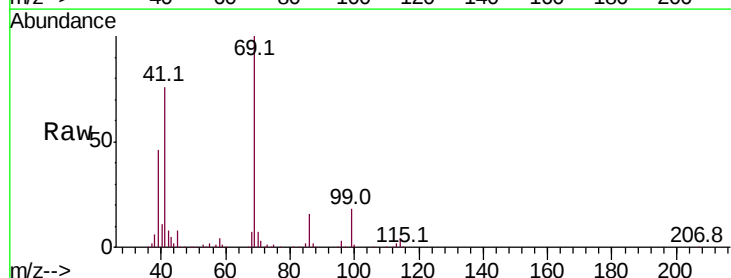


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

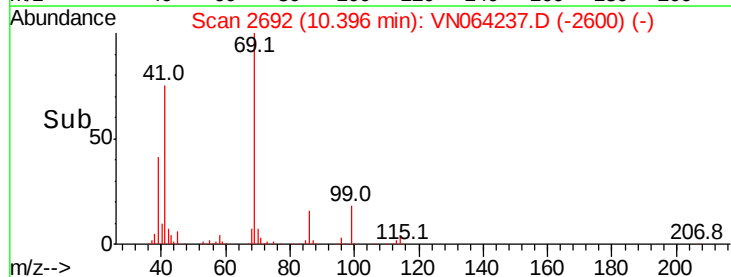
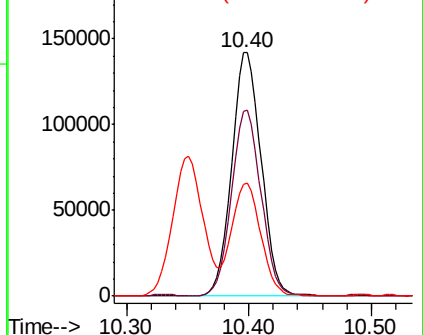


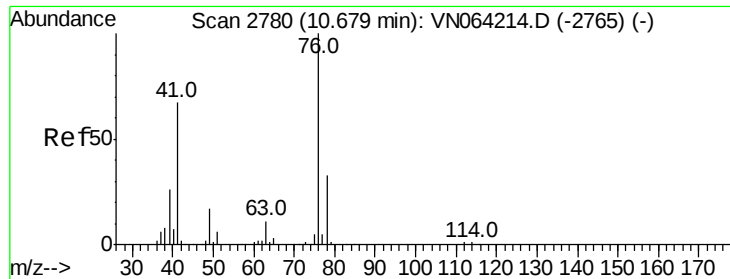
#56
 Ethyl methacrylate
 Concen: 56.805 ug/l
 RT: 10.40 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Tgt Ion: 69 Resp: 238547
 Ion Ratio Lower Upper
 69 100
 41 76.1 61.4 92.2
 39 45.2 36.0 54.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 56.087 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

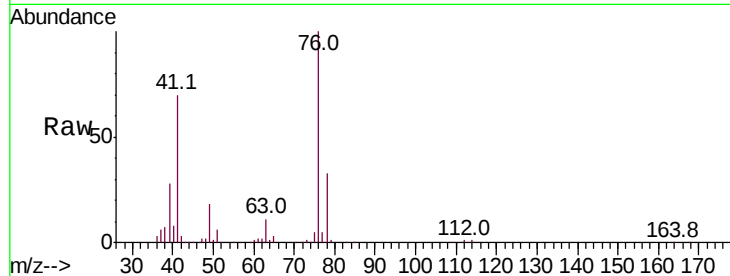
VSTDCCC050

Tot Ion: 76 Resp: 264589

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

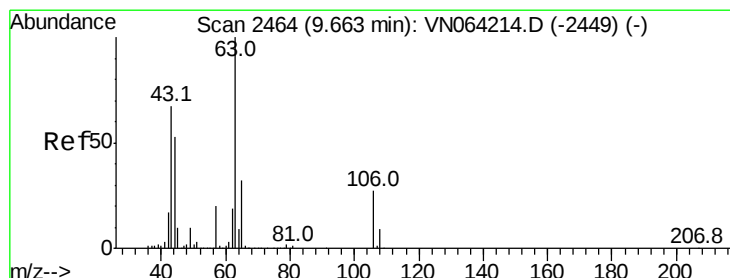
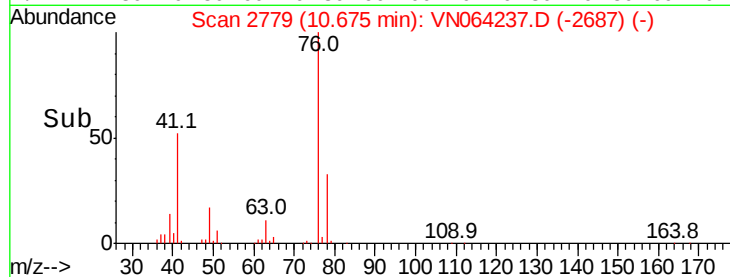
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 279.080 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064237.D

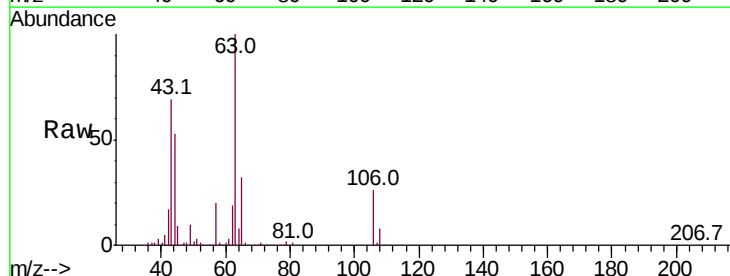
Acq: 21 Oct 2020 23:56

Tgt Ion: 63 Resp: 603494

Ion Ratio Lower Upper

63 100

106 26.7 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

400000

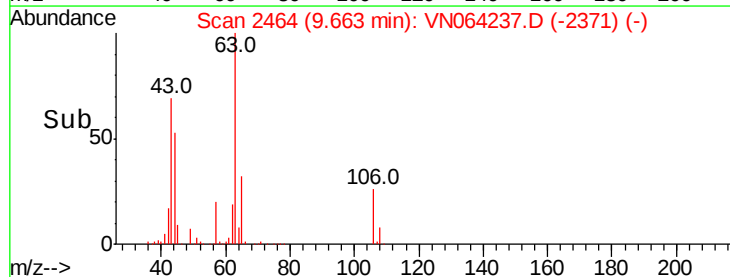
300000

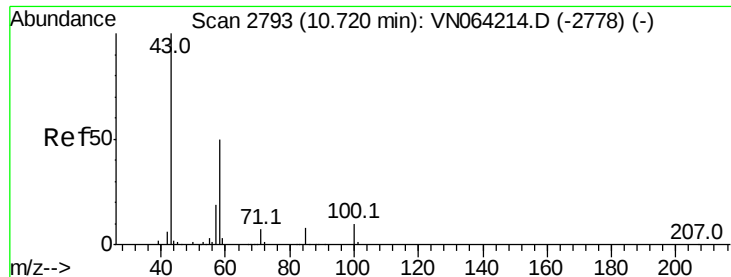
200000

100000

0

Time-->

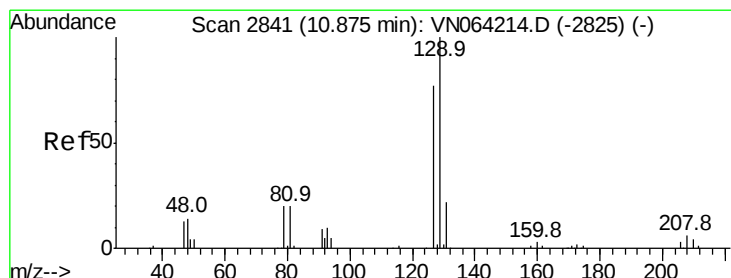
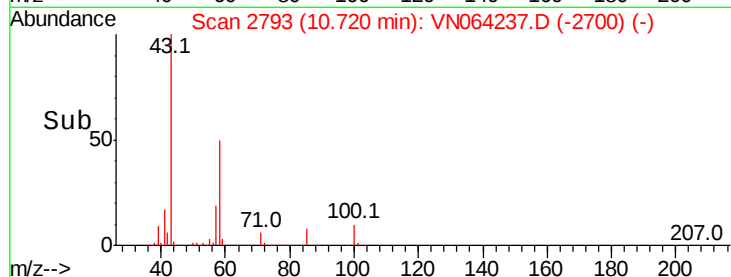
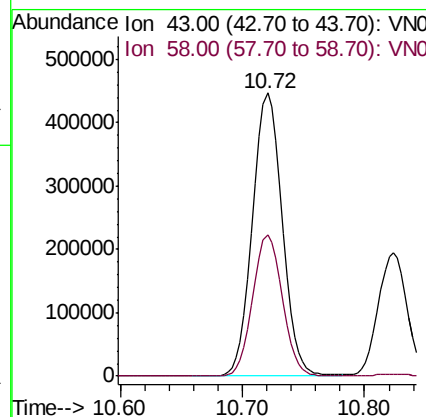
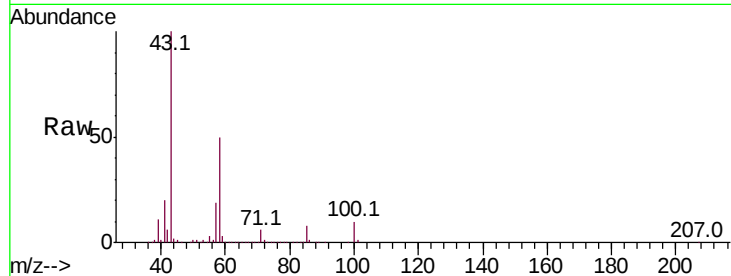




#59
2-Hexanone
Concen: 277.710 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

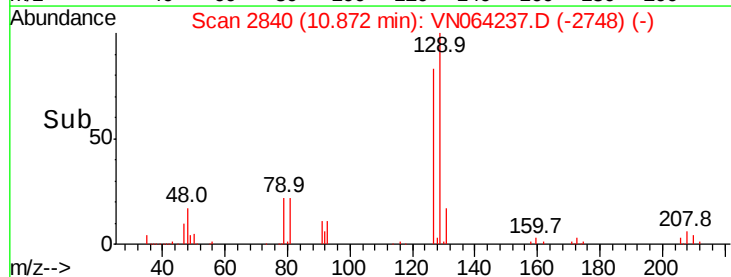
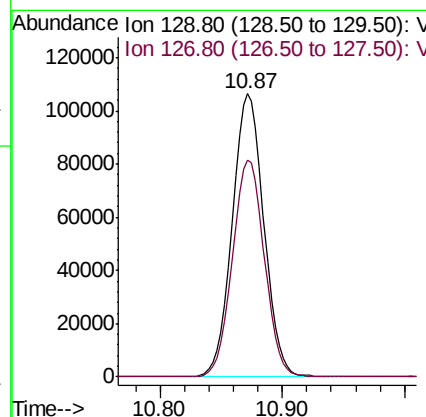
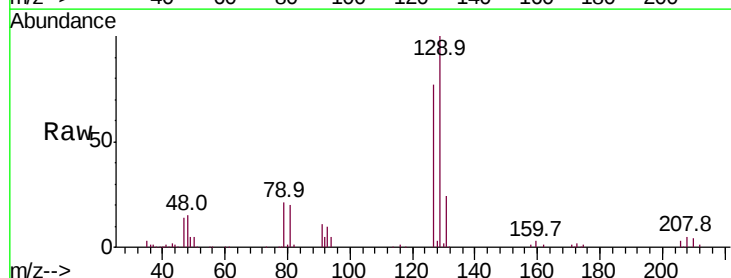
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

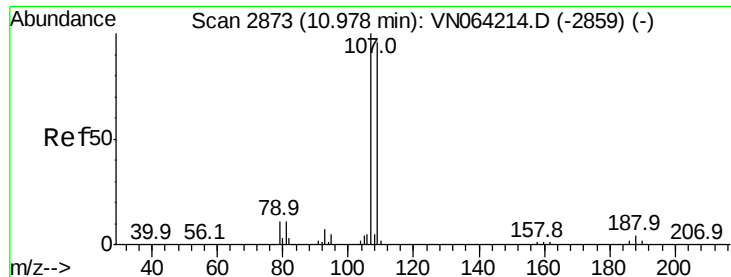
Tot Ion: 43 Resp: 746716
Ion Ratio Lower Upper
43 100
58 49.9 24.8 74.3



#60
Dibromochloromethane
Concen: 54.606 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 129 Resp: 191988
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 57.216 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

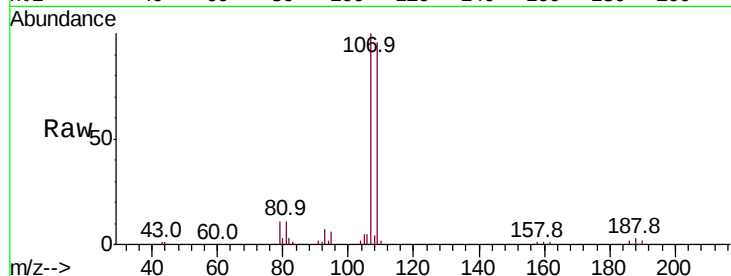
VSTDCCC050

Tot Ion:107 Resp: 163977

Ion Ratio Lower Upper

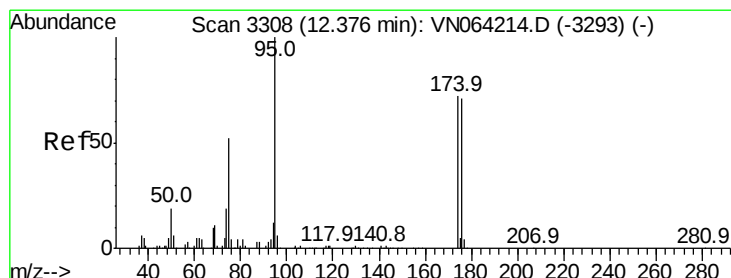
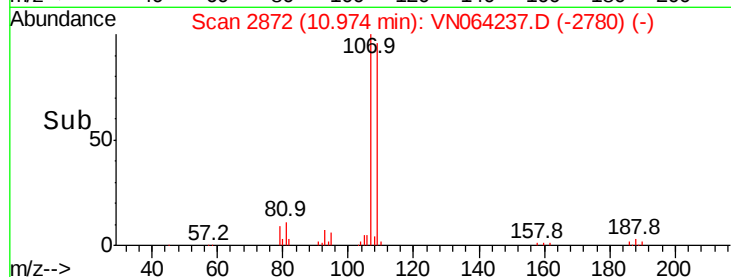
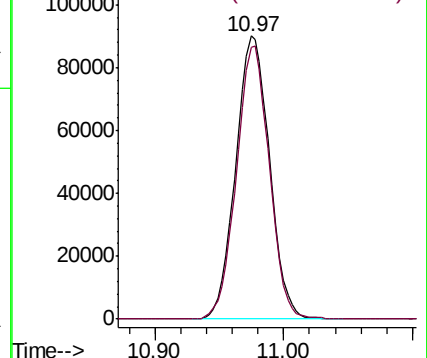
107 100

109 93.9 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.927 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

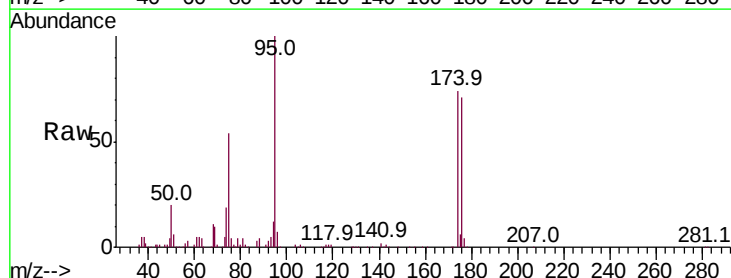
Tgt Ion: 95 Resp: 191353

Ion Ratio Lower Upper

95 100

174 72.7 0.0 144.4

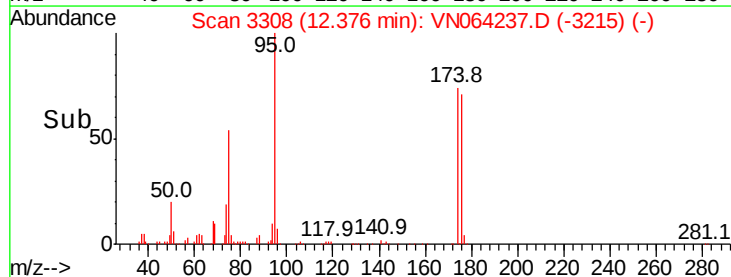
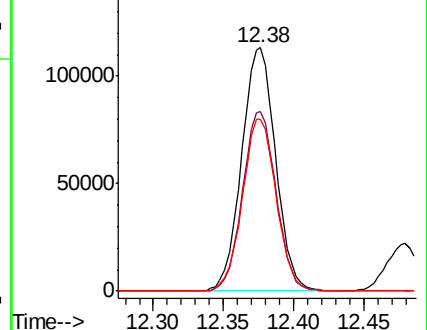
176 70.1 0.0 139.2

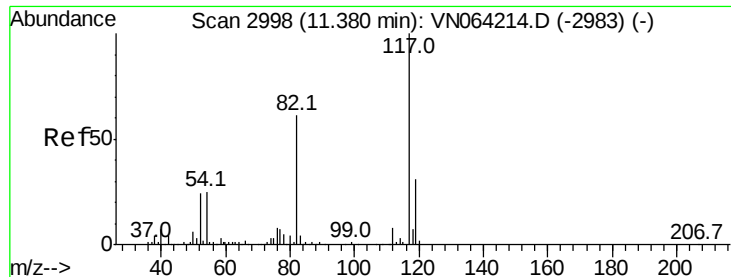


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

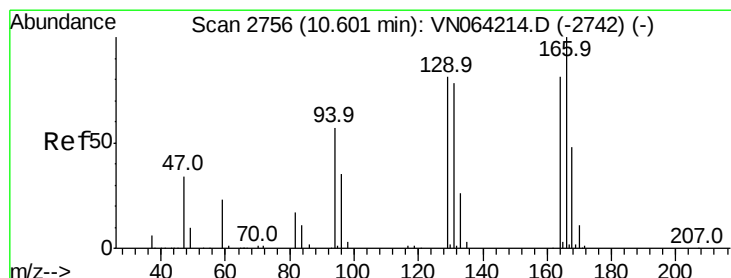
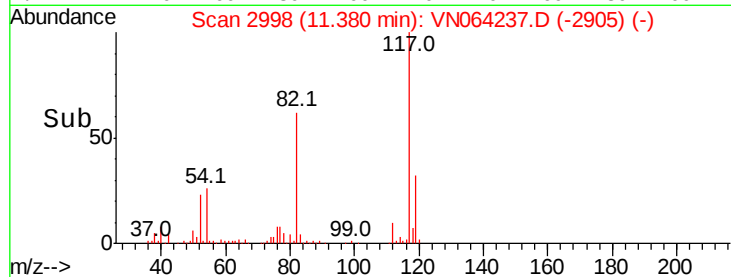
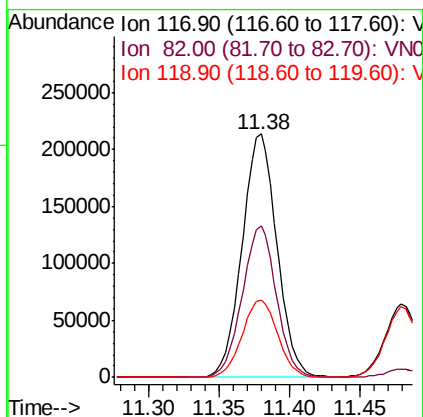
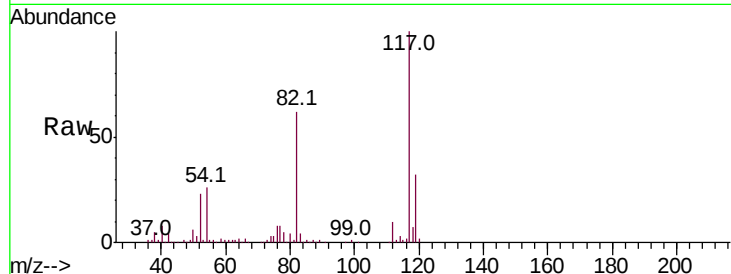




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

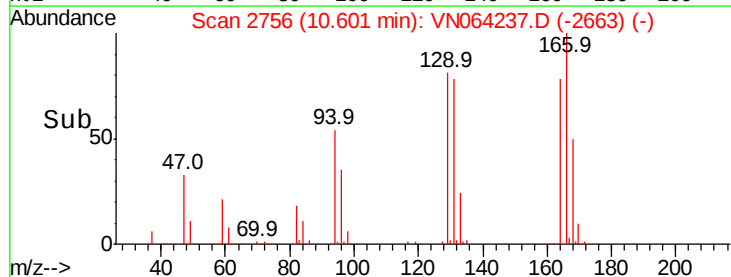
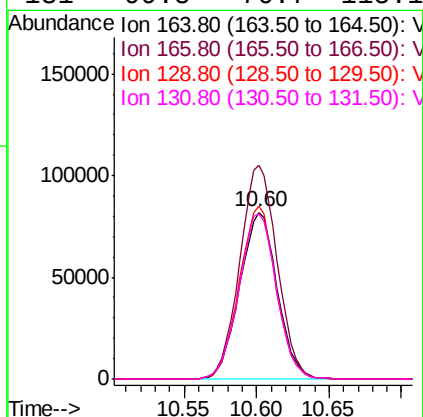
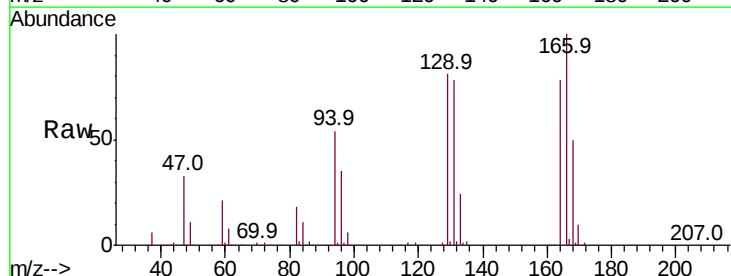
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

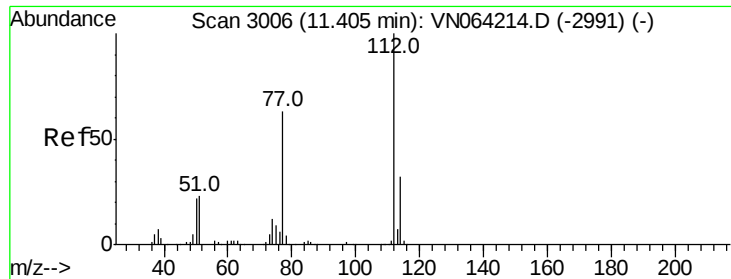
Tot Ion:117 Resp: 369432
Ion Ratio Lower Upper
117 100
82 62.4 48.8 73.2
119 31.7 24.7 37.1



#64
Tetrachloroethene
Concen: 49.566 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion:164 Resp: 147417
Ion Ratio Lower Upper
164 100
166 128.3 98.9 148.3
129 104.1 79.9 119.9
131 99.5 76.7 115.1





#65

Chlorobenzene

Concen: 52.539 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

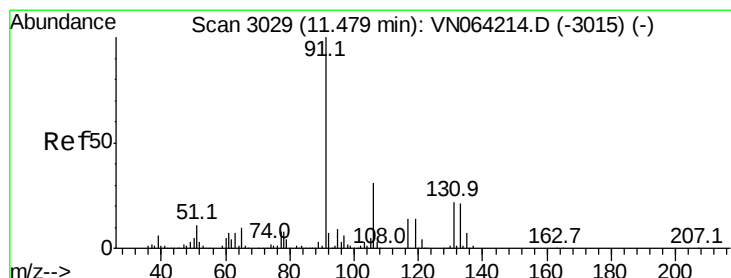
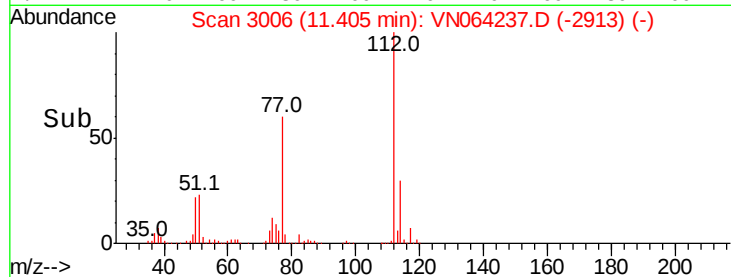
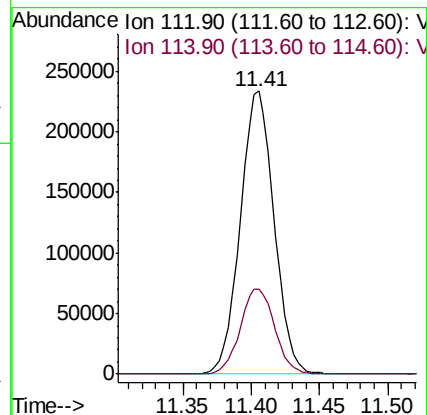
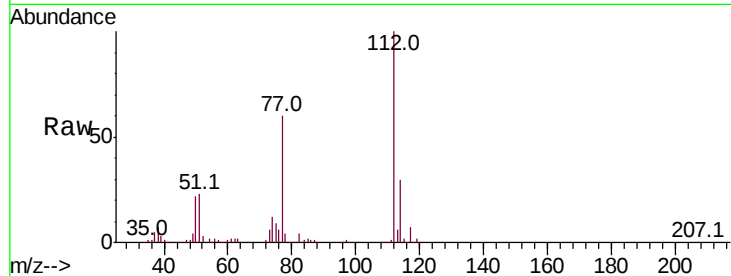
VSTDCCC050

Tot Ion:112 Resp: 401762

Ion Ratio Lower Upper

112 100

114 30.0 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 53.724 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

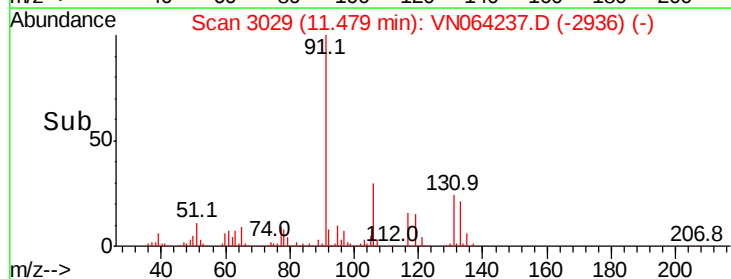
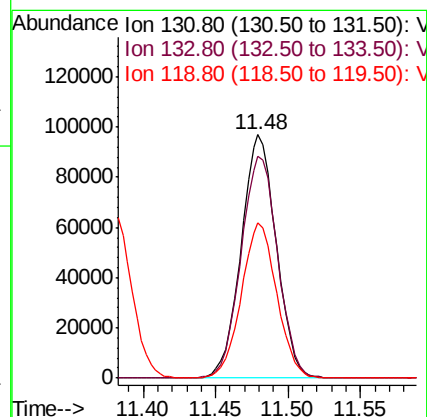
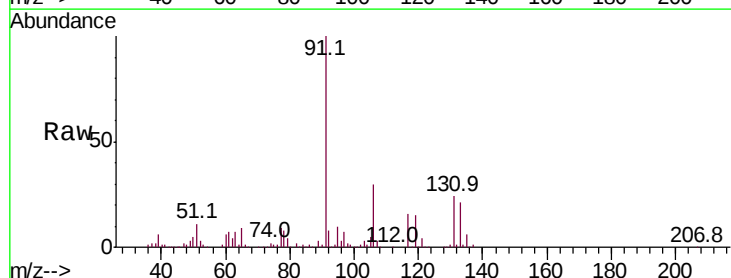
Tgt Ion:131 Resp: 163075

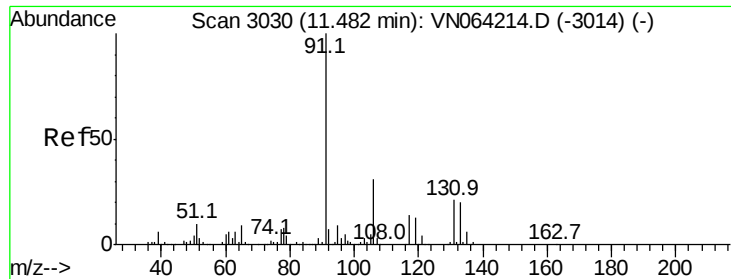
Ion Ratio Lower Upper

131 100

133 95.3 47.8 143.4

119 64.5 32.2 96.6

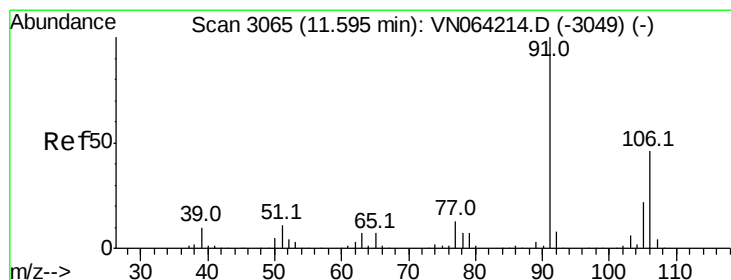
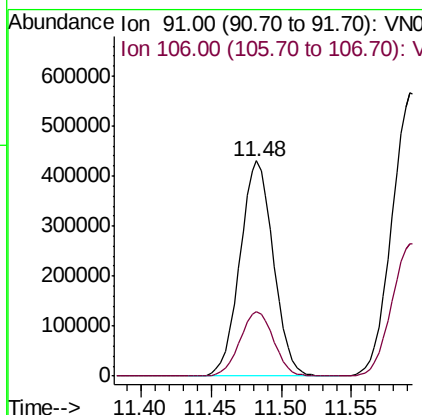
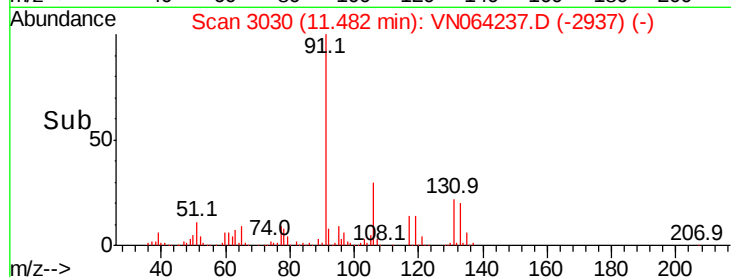
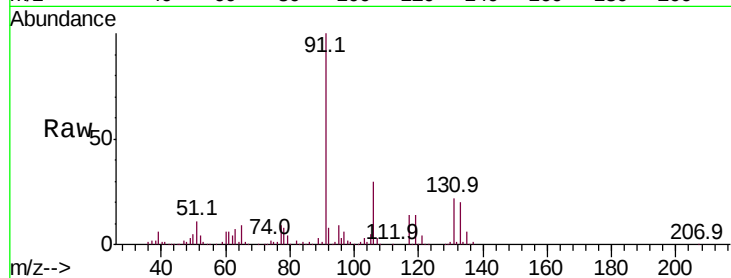




#67
Ethyl Benzene
Concen: 50.762 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

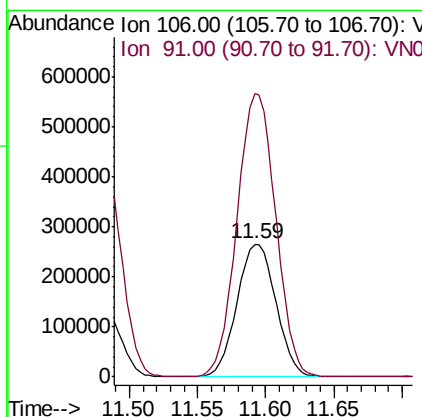
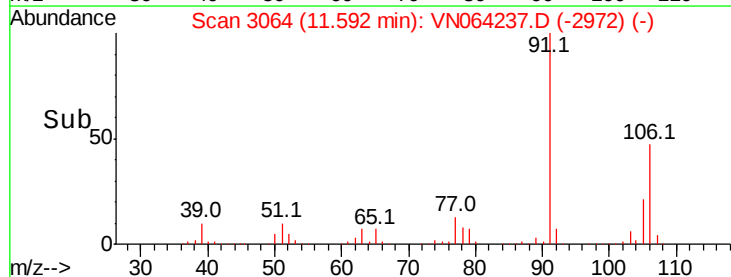
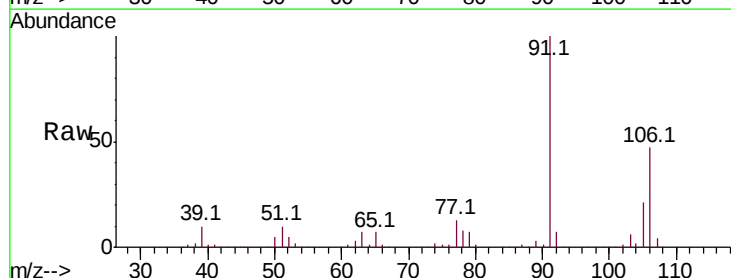
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

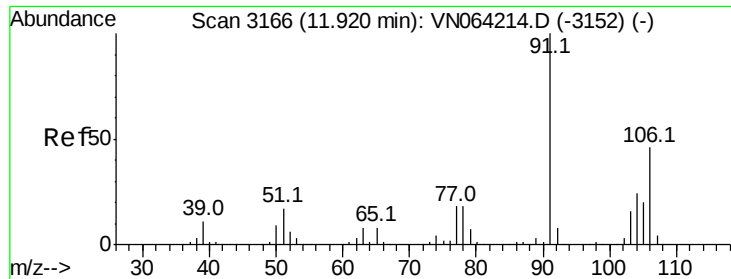
Tot Ion: 91 Resp: 713386
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2



#68
m/p-Xylenes
Concen: 100.856 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 106 Resp: 525147
Ion Ratio Lower Upper
106 100
91 211.9 172.2 258.2

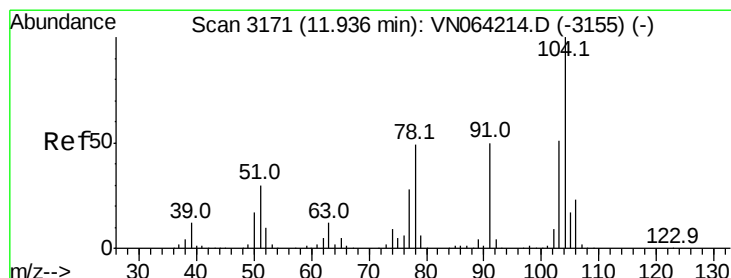
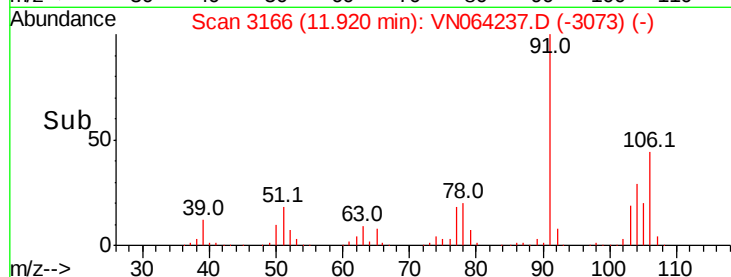
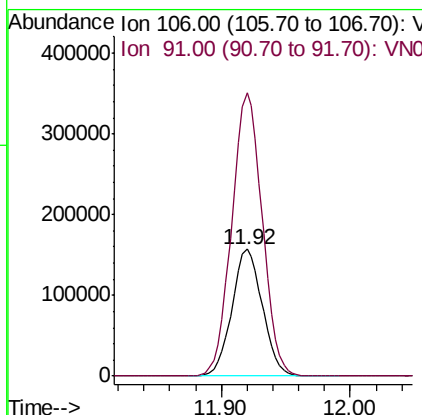
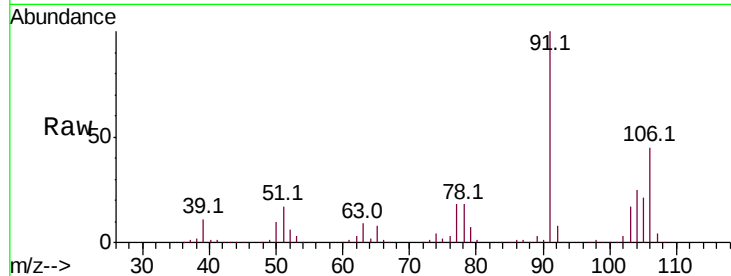




#69
o-Xylene
Concen: 51.223 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

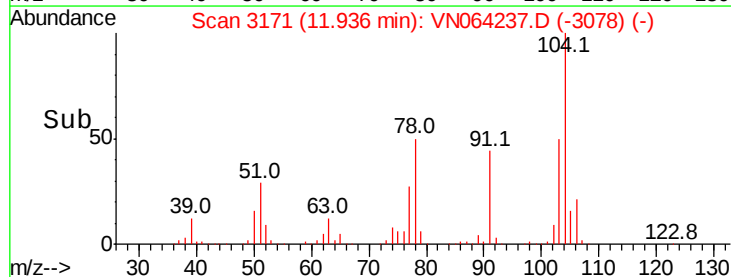
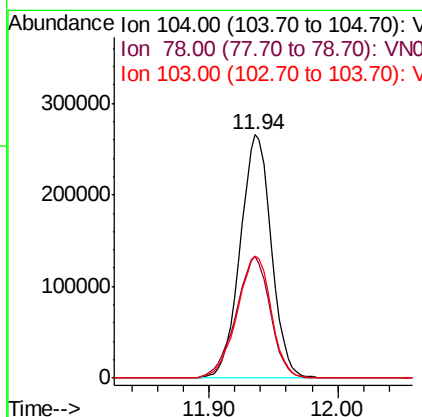
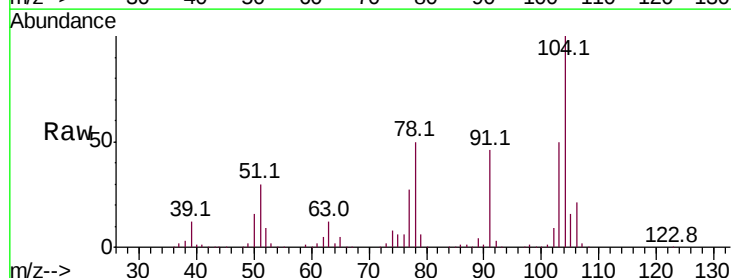
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

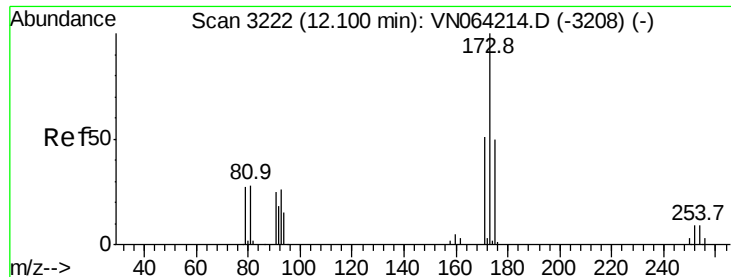
Tot Ion:106 Resp: 257948
Ion Ratio Lower Upper
106 100
91 222.8 109.9 329.6



#70
Styrene
Concen: 52.931 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion:104 Resp: 446792
Ion Ratio Lower Upper
104 100
78 55.0 43.8 65.6
103 54.7 43.4 65.2





#71

Bromoform

Concen: 55.559 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

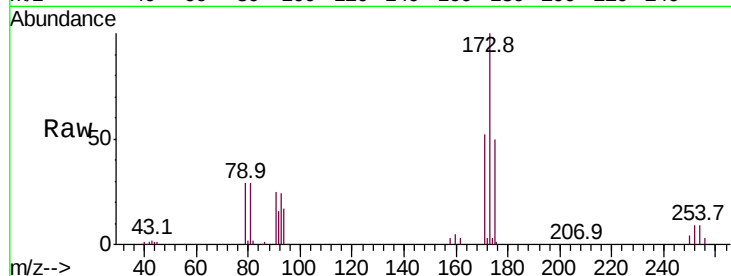
Tot Ion:173 Resp: 130277

Ion Ratio Lower Upper

173 100

175 50.3 25.1 75.3

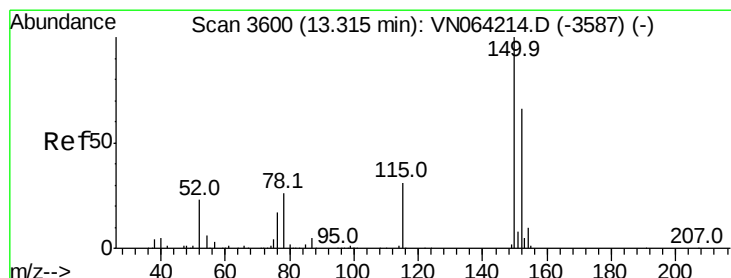
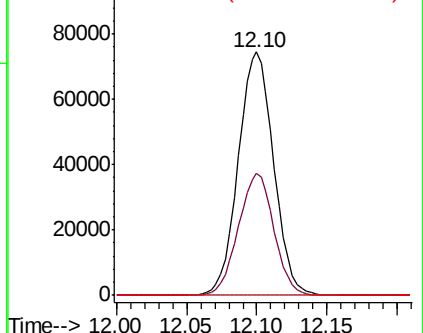
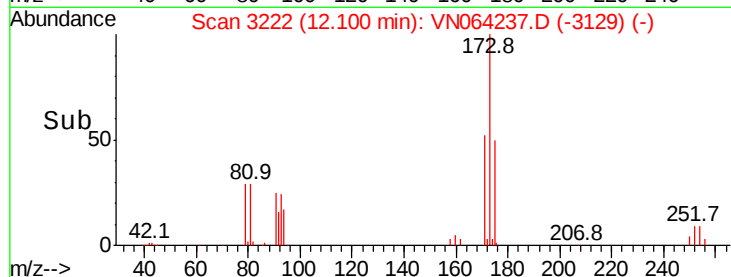
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

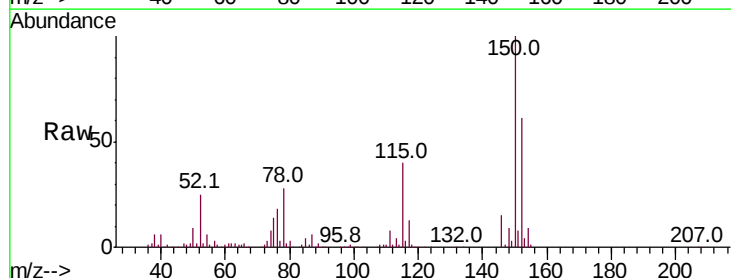
Tgt Ion:152 Resp: 177323

Ion Ratio Lower Upper

152 100

115 63.1 32.0 96.2

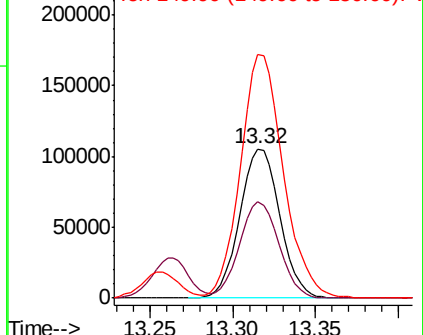
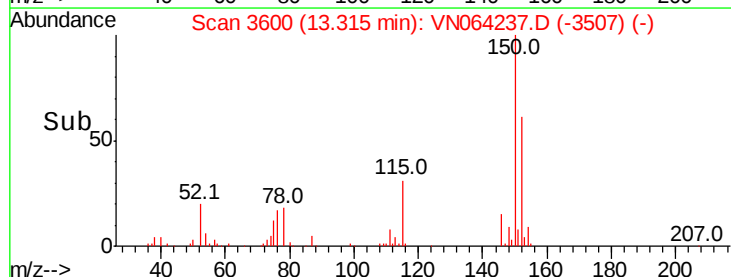
150 174.0 0.0 356.6

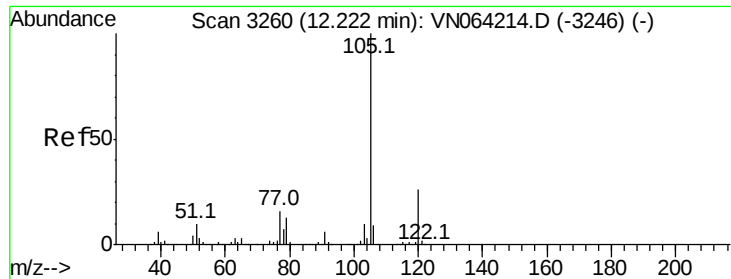


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.944 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

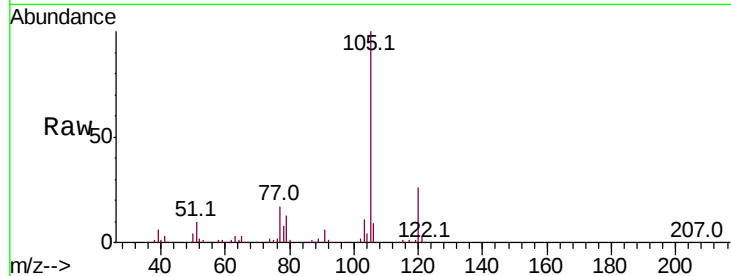
VSTDCCC050

Tot Ion:105 Resp: 661933

Ion Ratio Lower Upper

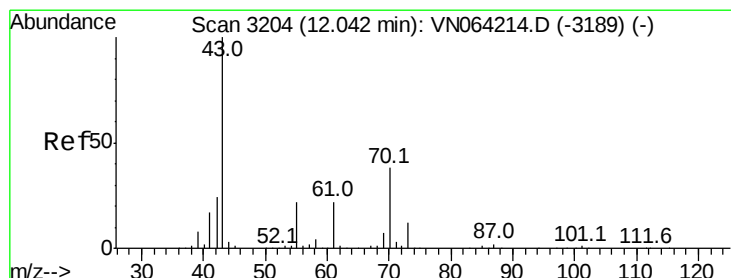
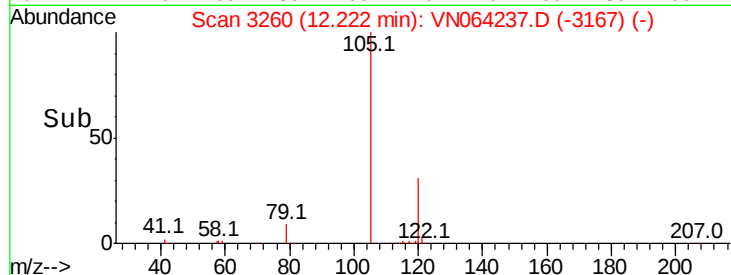
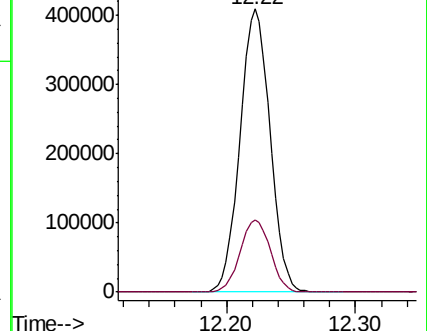
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.390 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Tgt Ion: 43 Resp: 329533

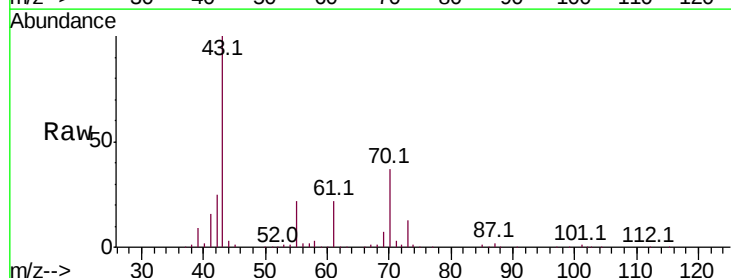
Ion Ratio Lower Upper

43 100

70 37.3 30.2 45.4

55 22.5 18.0 27.0

61 21.8 17.4 26.2

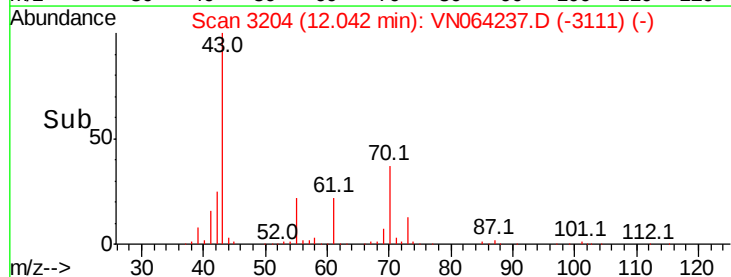
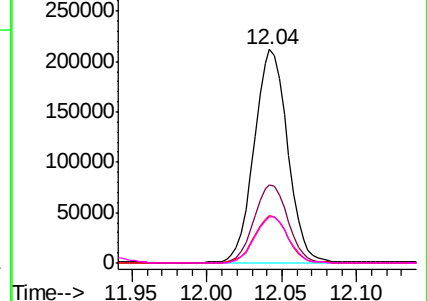


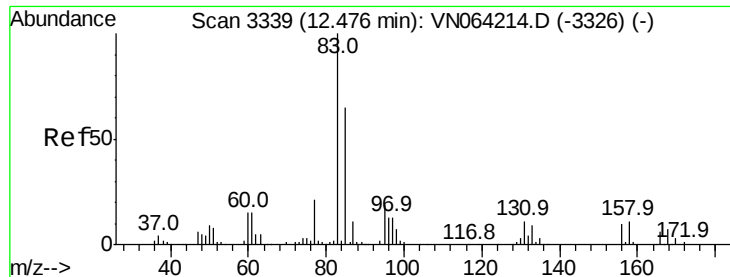
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.593 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

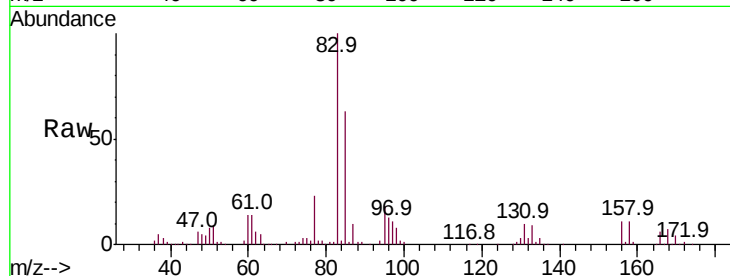
Tot Ion: 83 Resp: 199520

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.7

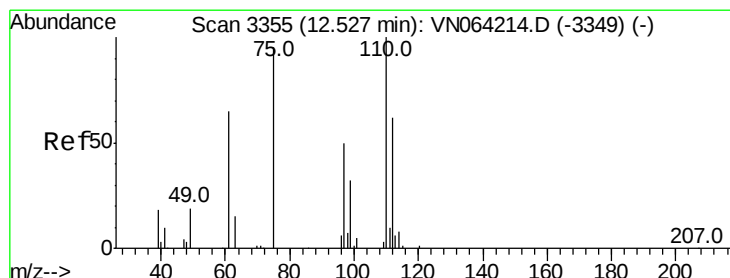
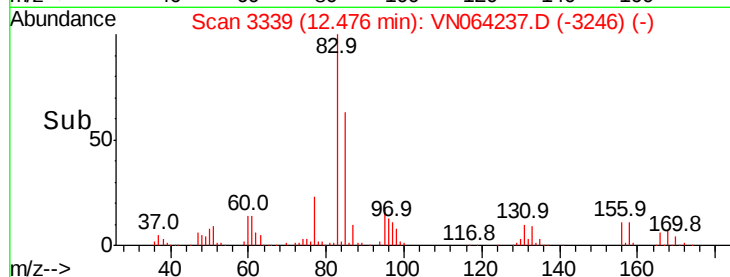
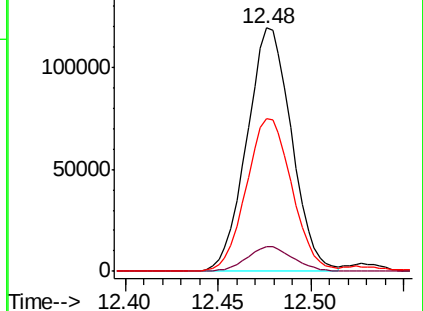
85 64.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN064214.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN064214.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN064214.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 79.007 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064237.D

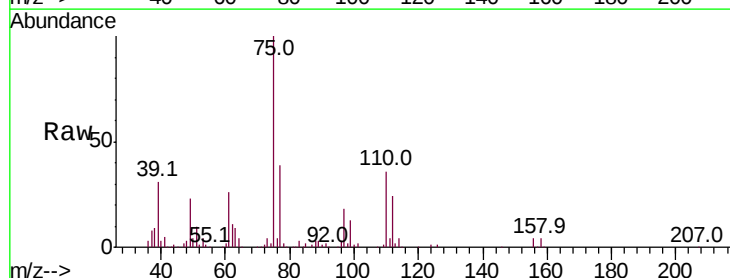
Acq: 21 Oct 2020 23:56

Tgt Ion: 75 Resp: 295350

Ion Ratio Lower Upper

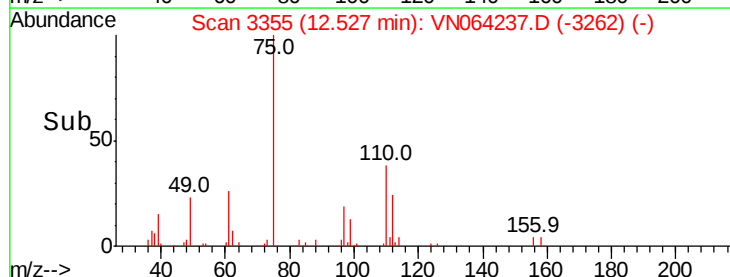
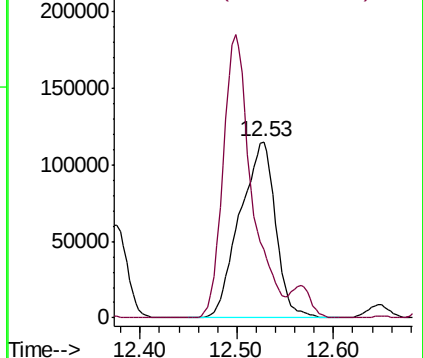
75 100

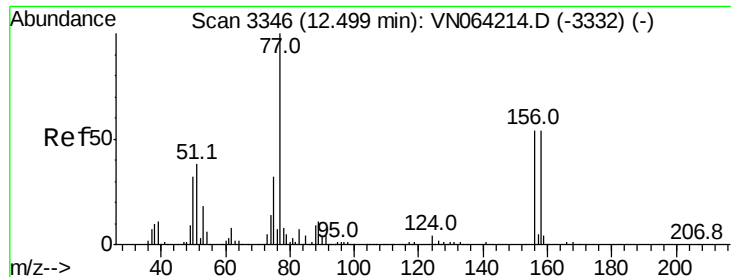
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064214.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064214.D (-3349) (-)





#77

Bromobenzene

Concen: 53.622 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

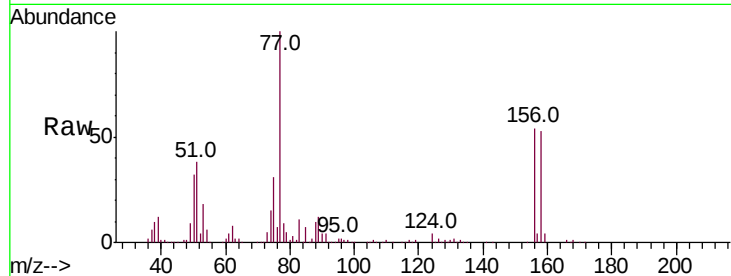
Tot Ion:156 Resp: 171204

Ion Ratio Lower Upper

156 100

77 222.5 111.1 333.4

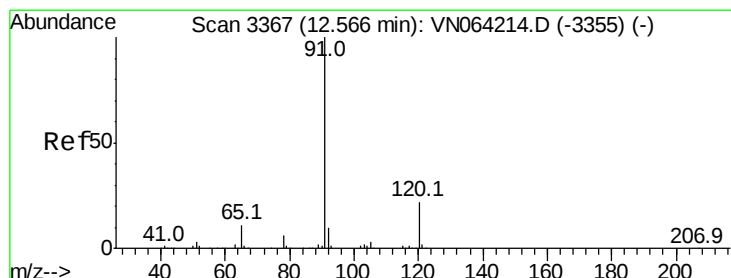
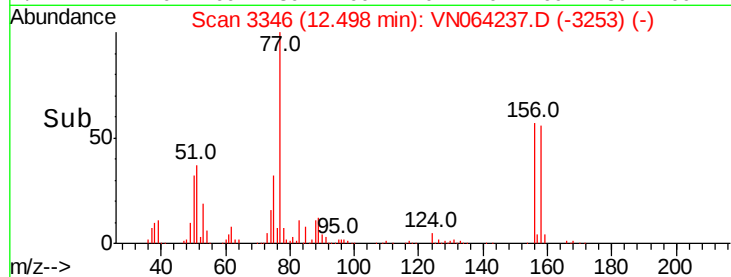
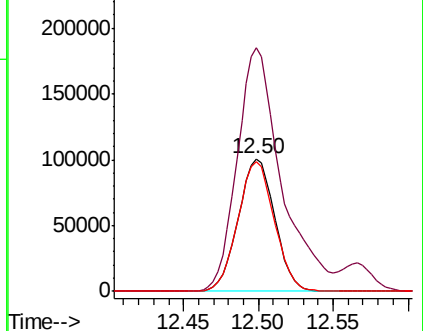
158 97.8 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.452 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064237.D

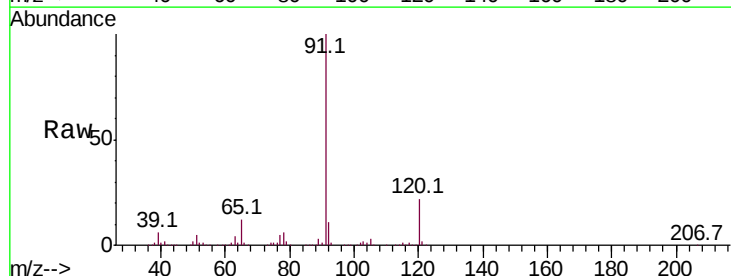
Acq: 21 Oct 2020 23:56

Tgt Ion: 91 Resp: 754072

Ion Ratio Lower Upper

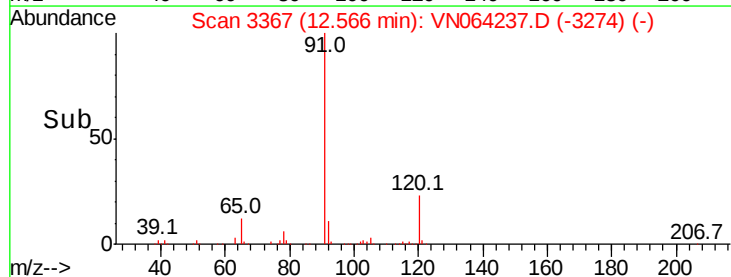
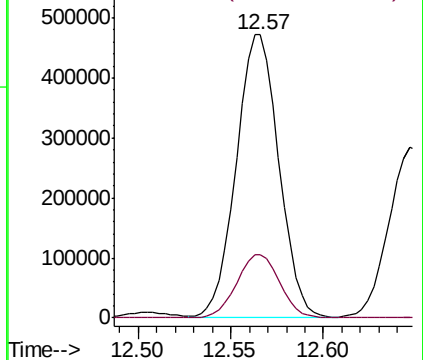
91 100

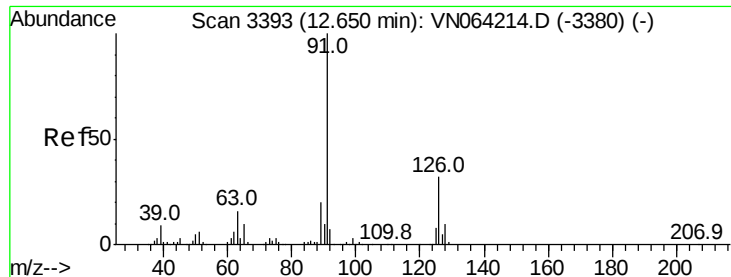
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.043 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

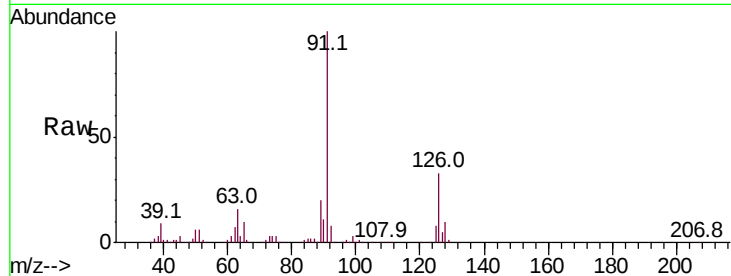
VSTDCCC050

Tot Ion: 91 Resp: 478072

Ion Ratio Lower Upper

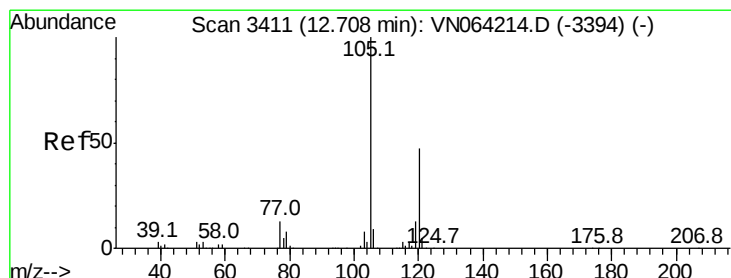
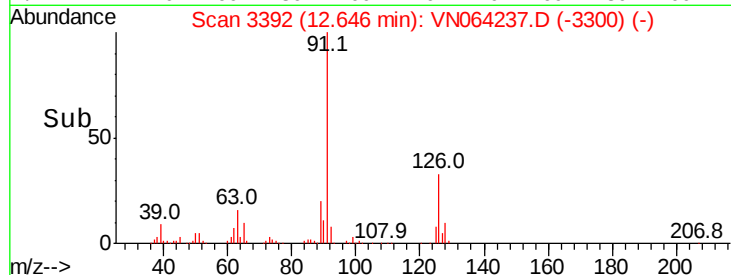
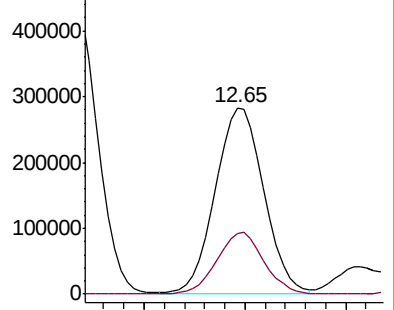
91 100

126 32.1 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064214.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064214.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.009 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064237.D

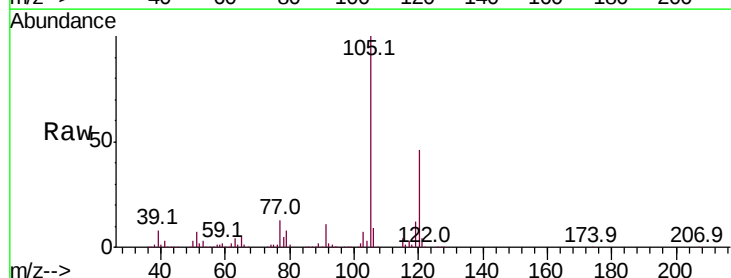
Acq: 21 Oct 2020 23:56

Tgt Ion: 105 Resp: 571786

Ion Ratio Lower Upper

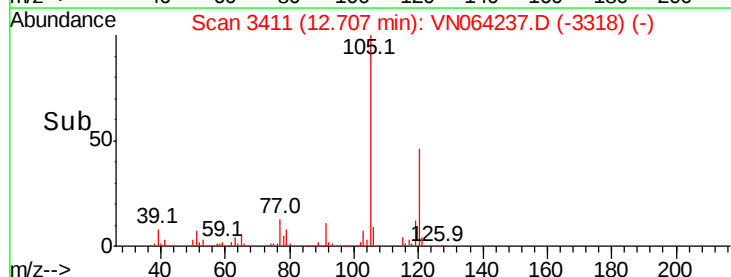
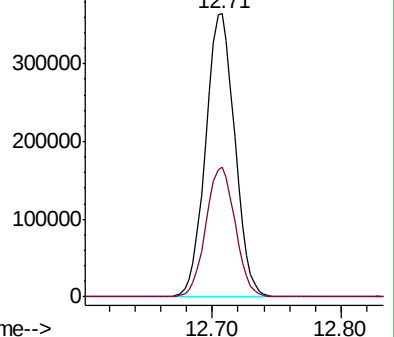
105 100

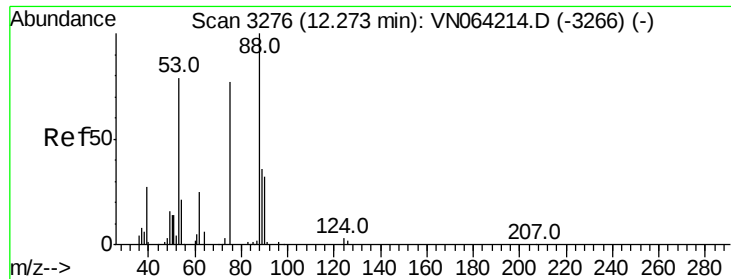
120 46.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064214.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN064214.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.311 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

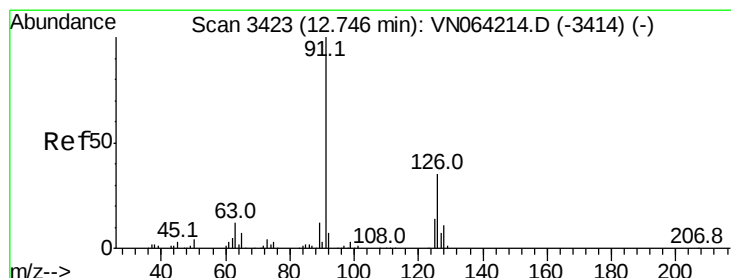
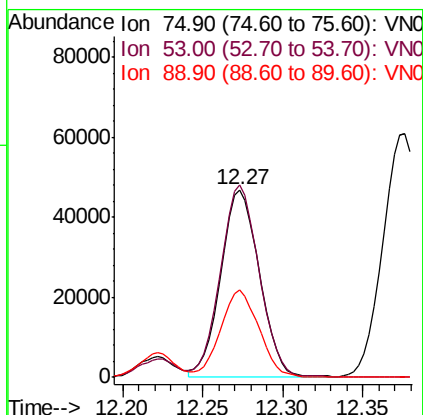
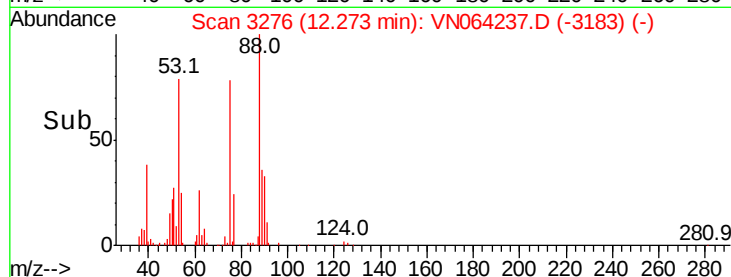
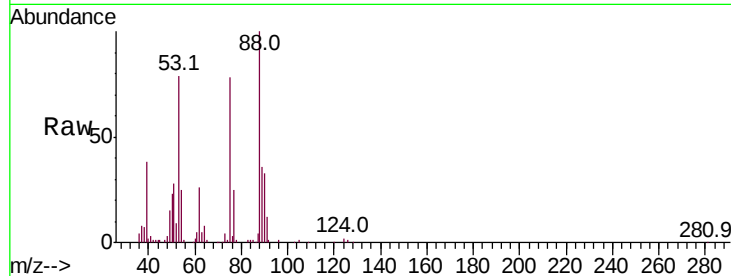
Tot Ion: 75 Resp: 77455

Ion Ratio Lower Upper

75 100

53 102.9 81.0 121.4

89 46.0 38.7 58.1



#82

4-Chlorotoluene

Concen: 51.887 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064237.D

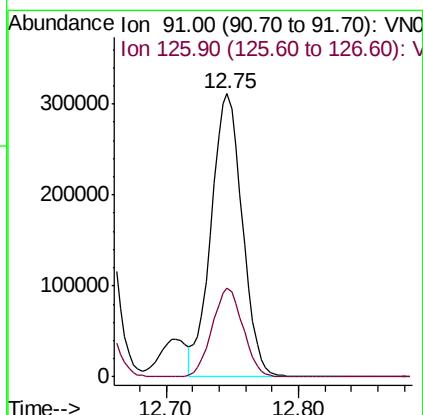
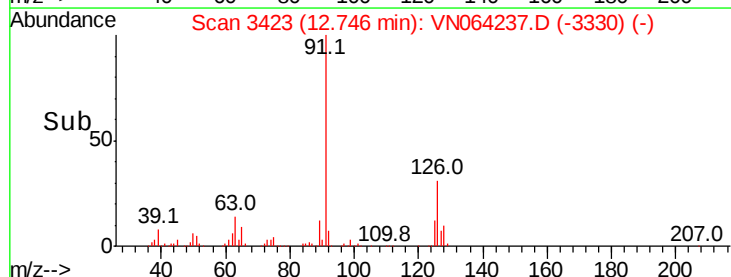
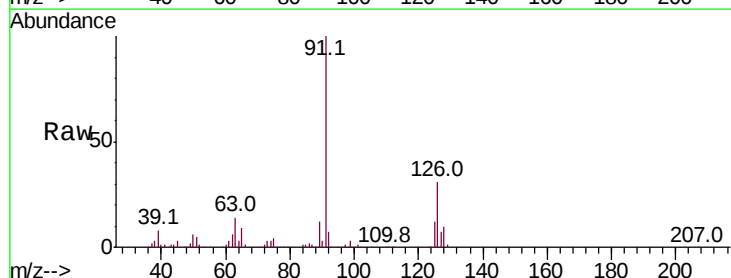
Acq: 21 Oct 2020 23:56

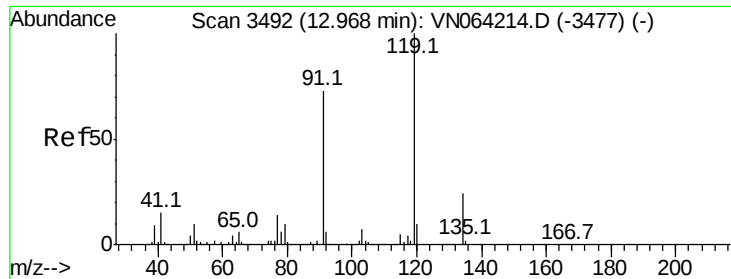
Tgt Ion: 91 Resp: 506929

Ion Ratio Lower Upper

91 100

126 31.3 15.8 47.3

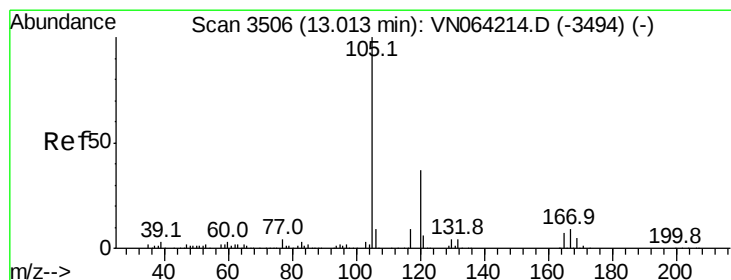
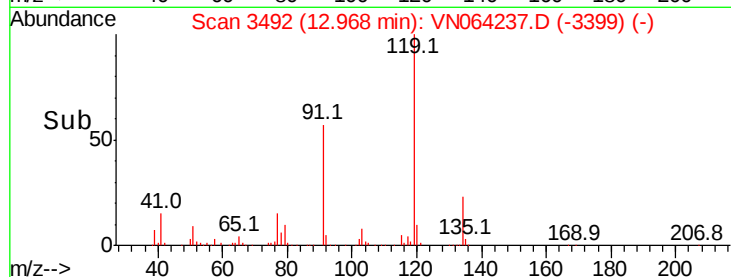
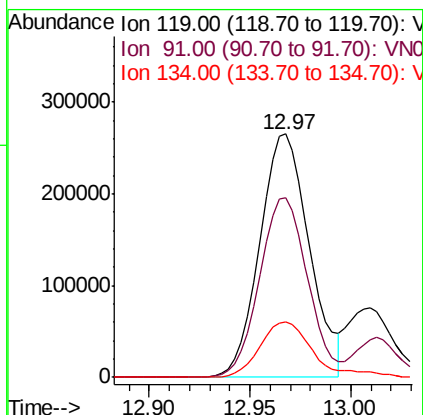
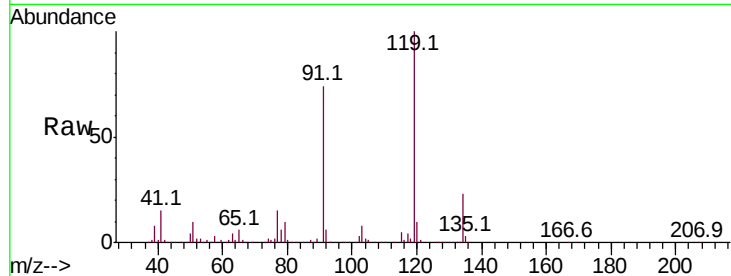




#83
tert-Butylbenzene
Concen: 48.480 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

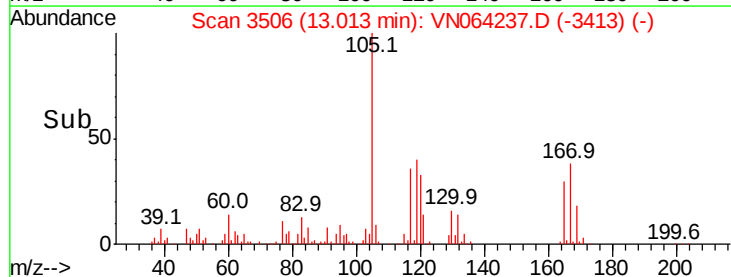
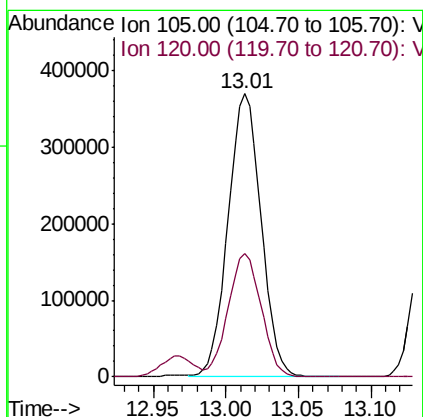
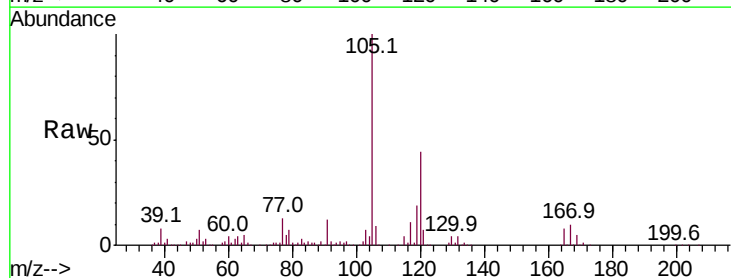
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

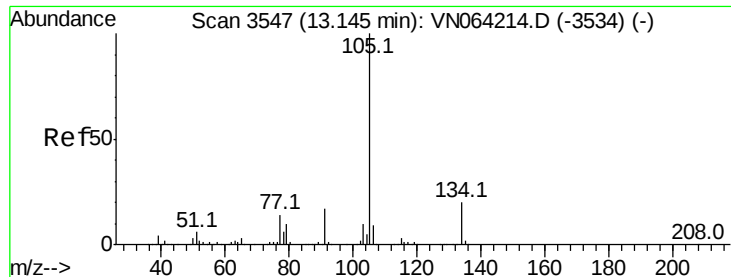
Tot Ion:119 Resp: 454463
Ion Ratio Lower Upper
119 100
91 71.3 35.1 105.3
134 24.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 51.130 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion:105 Resp: 581853
Ion Ratio Lower Upper
105 100
120 43.9 21.5 64.5





#85

sec-Butylbenzene

Concen: 49.117 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

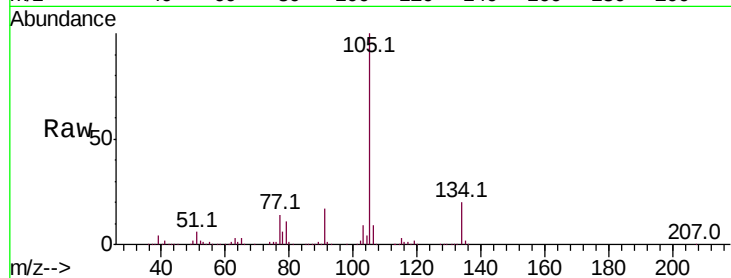
VSTDCCC050

Tot Ion:105 Resp: 580454

Ion Ratio Lower Upper

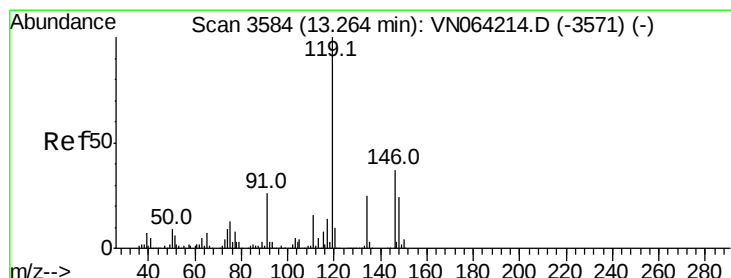
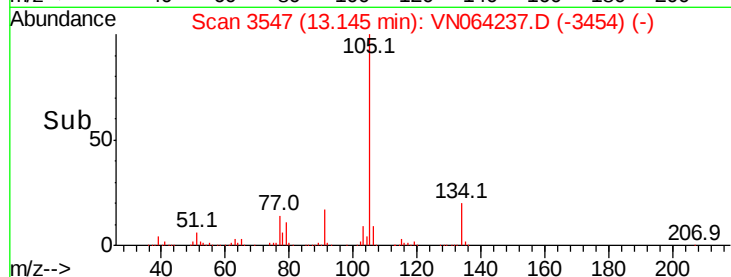
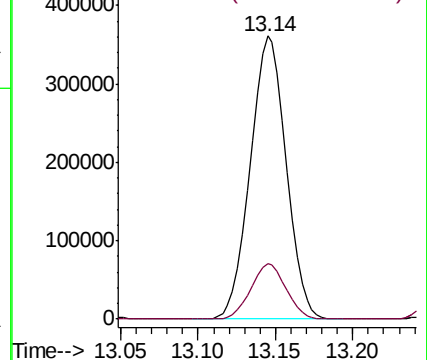
105 100

134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.287 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

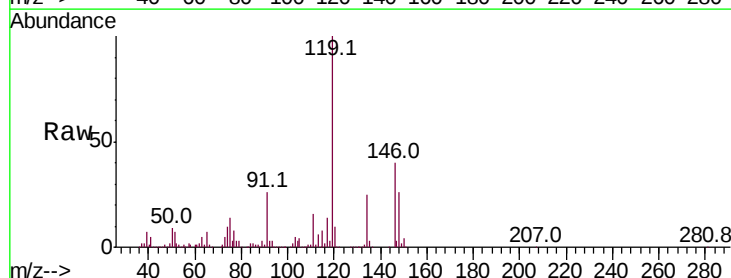
Tgt Ion:119 Resp: 541172

Ion Ratio Lower Upper

119 100

134 25.2 13.1 39.3

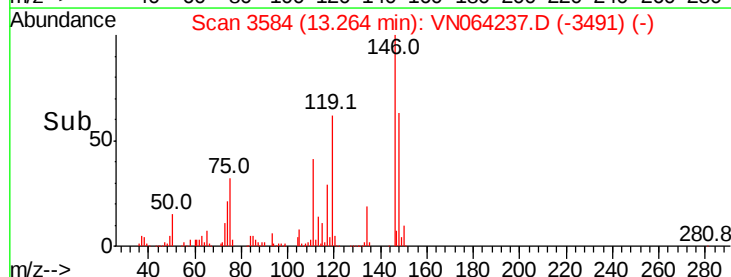
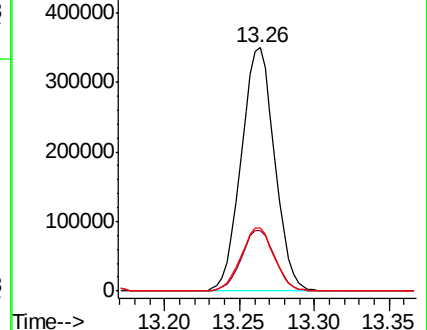
91 26.1 13.4 40.2

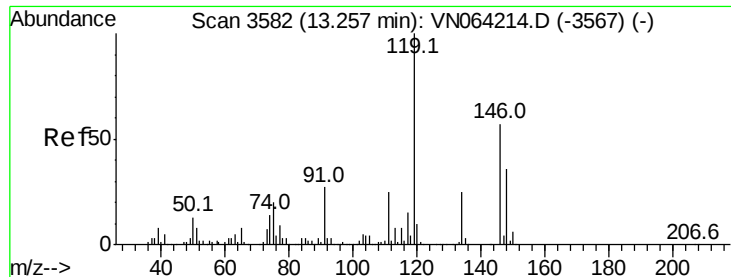


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.719 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

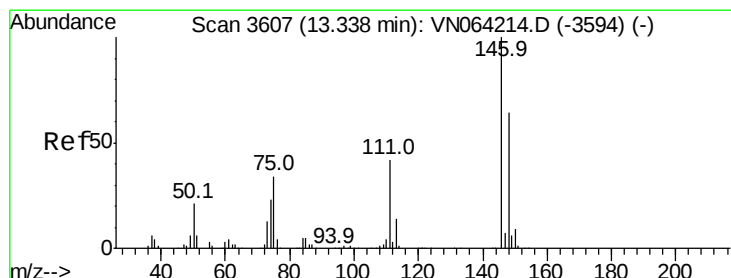
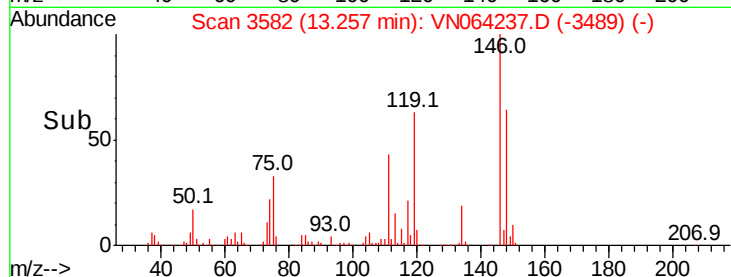
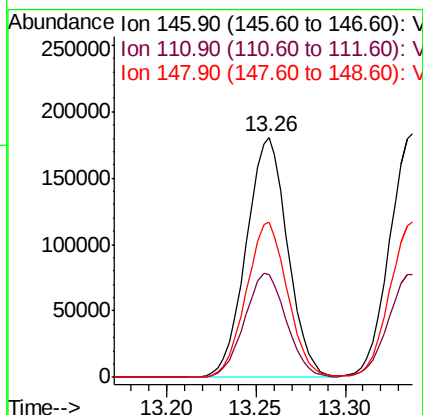
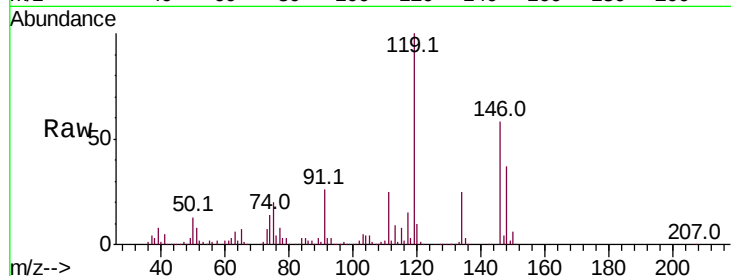
Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 293822

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	65.0
148	64.4	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 51.131 ug/l

RT: 13.34 min Scan# 3607

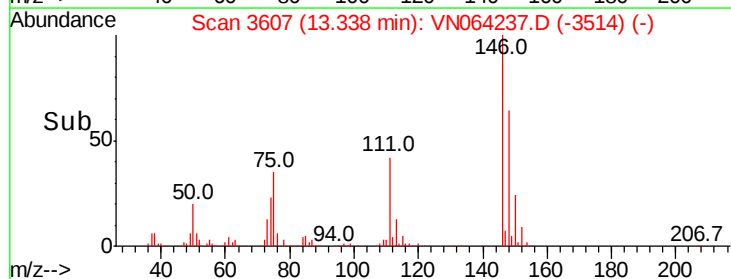
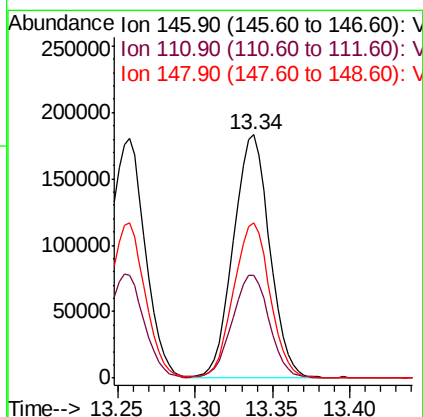
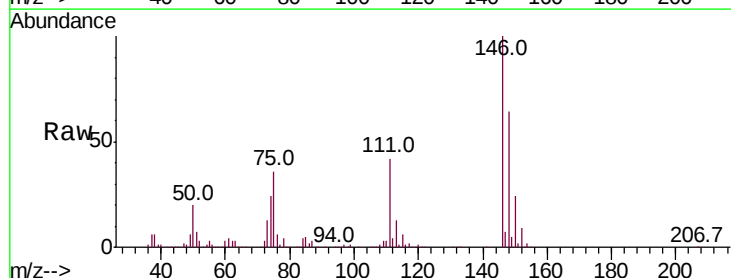
Delta R.T. -0.00 min

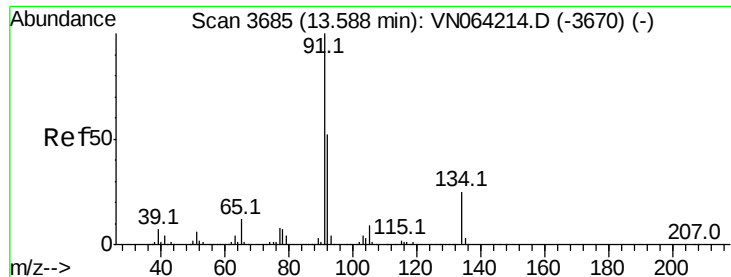
Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Tgt Ion:146 Resp: 297322

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	64.3	32.0	96.0

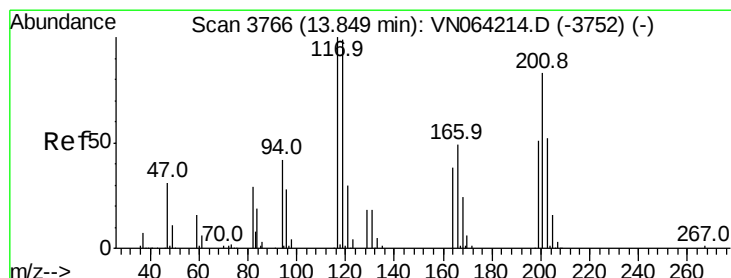
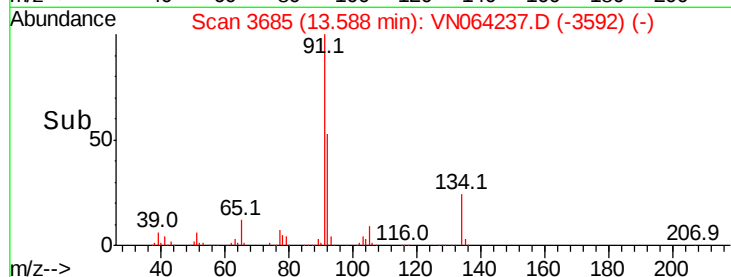
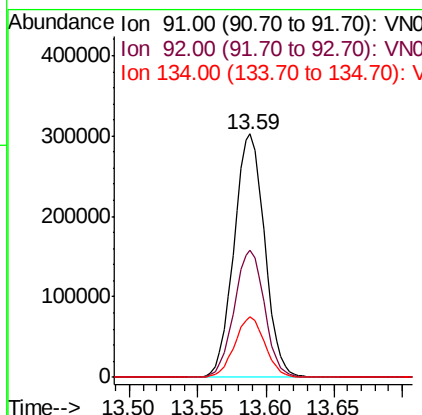
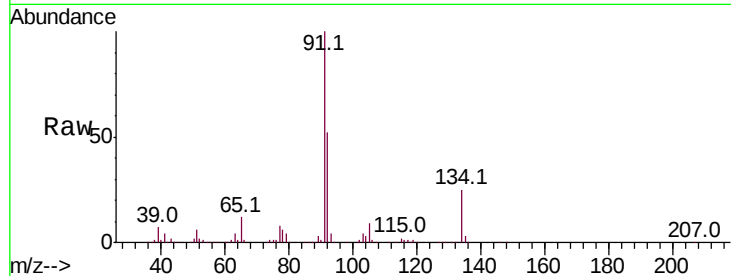




#89
n-Butylbenzene
Concen: 48.832 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

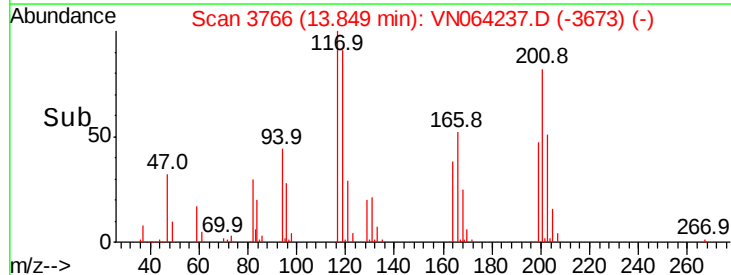
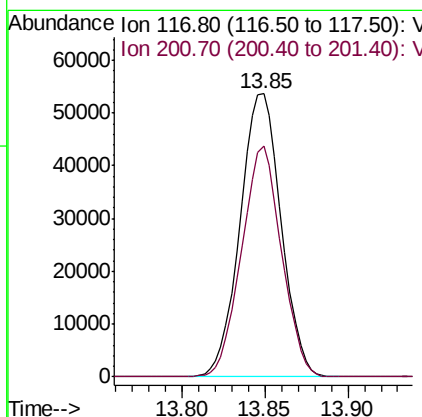
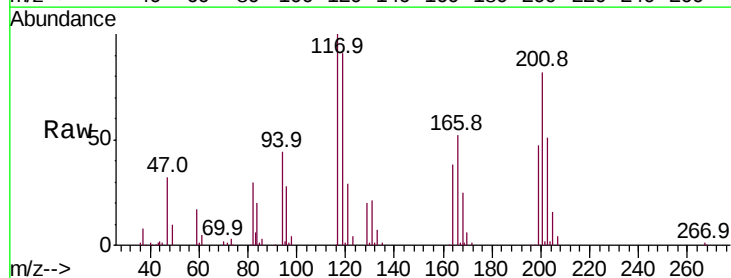
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

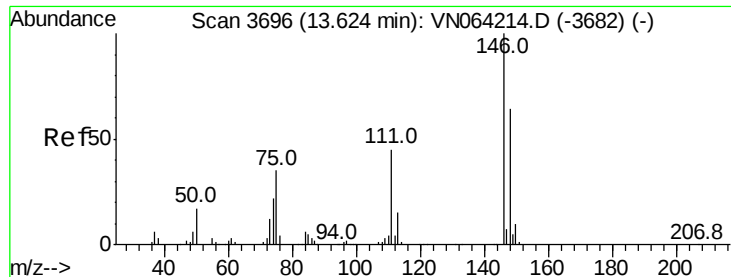
Tot Ion: 91 Resp: 471078
Ion Ratio Lower Upper
91 100
92 51.8 25.7 77.0
134 24.7 12.3 36.8



#90
Hexachloroethane
Concen: 47.309 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064237.D
Acq: 21 Oct 2020 23:56

Tgt Ion: 117 Resp: 92206
Ion Ratio Lower Upper
117 100
201 79.0 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 52.296 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

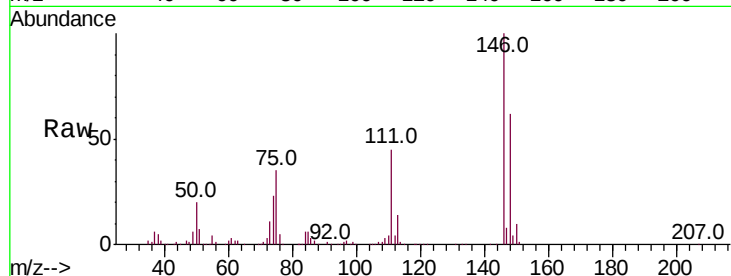
Tot Ion:146 Resp: 291466

Ion Ratio Lower Upper

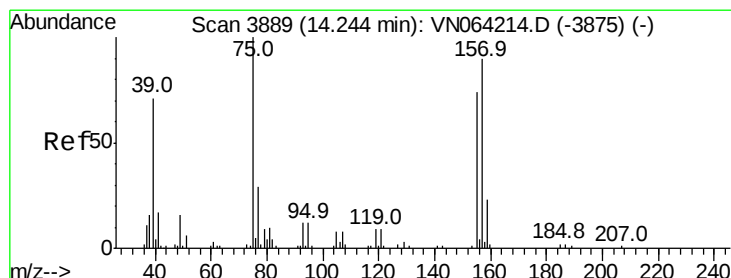
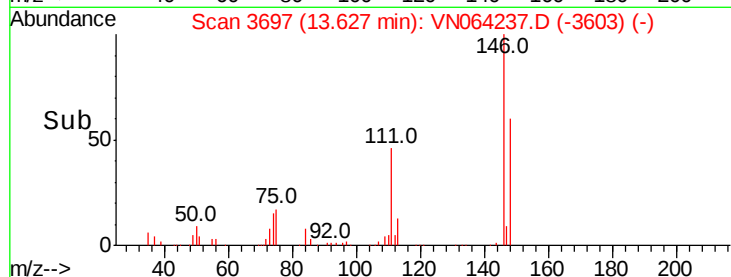
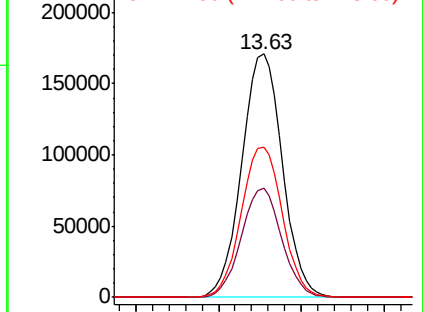
146 100

111 44.8 22.9 68.7

148 62.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.199 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

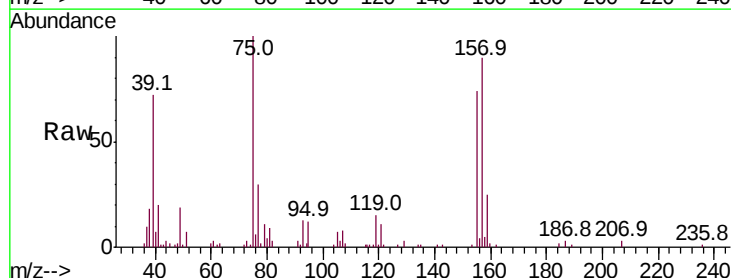
Tgt Ion: 75 Resp: 48528

Ion Ratio Lower Upper

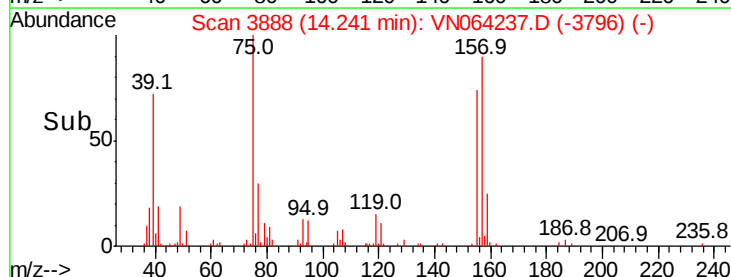
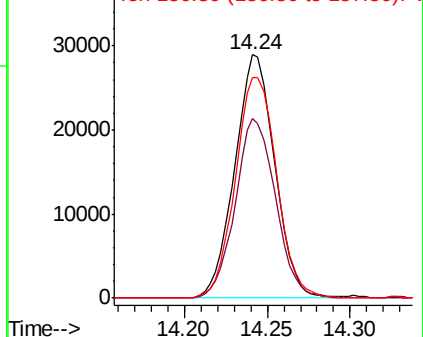
75 100

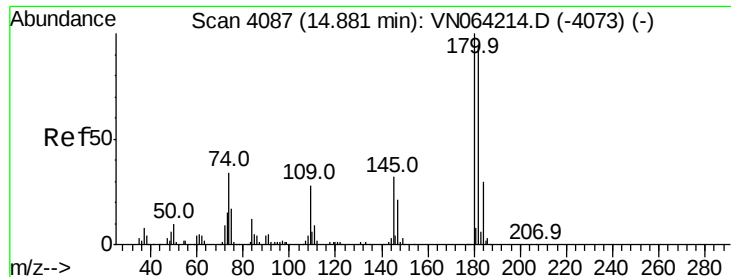
155 74.4 36.9 110.7

157 93.7 44.6 133.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

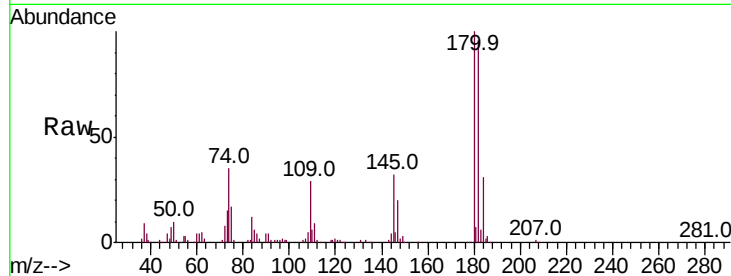




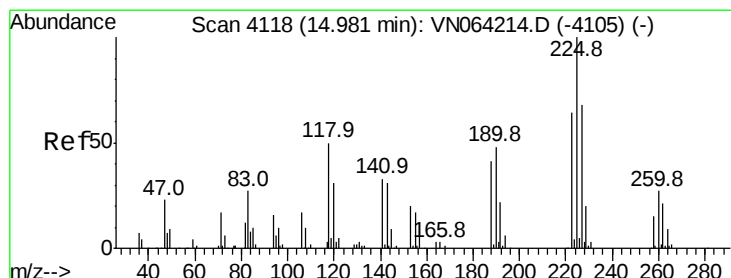
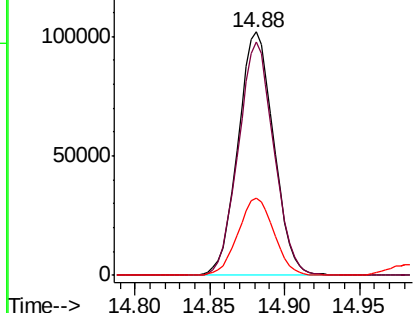
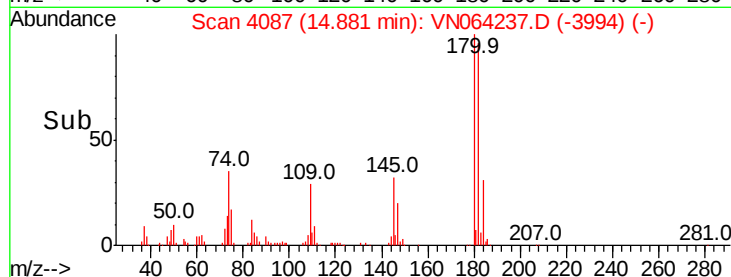
#93
 1,2,4-Trichlorobenzene
 Concen: 54.069 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 169013
 Ion Ratio Lower Upper
 180 100
 182 95.5 46.9 140.7
 145 31.7 16.1 48.3

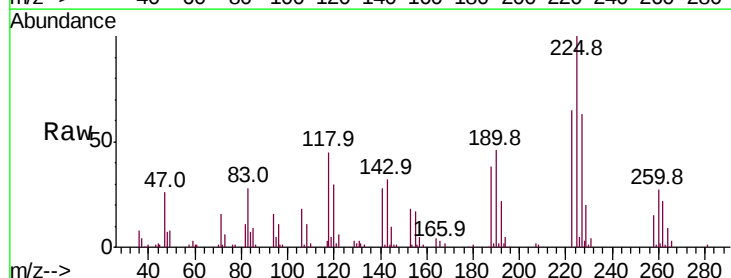


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

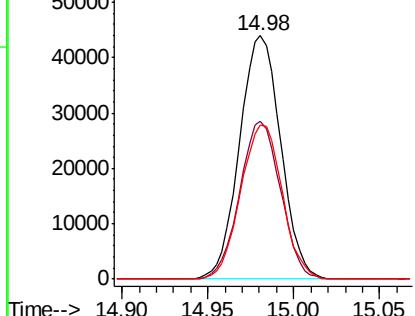
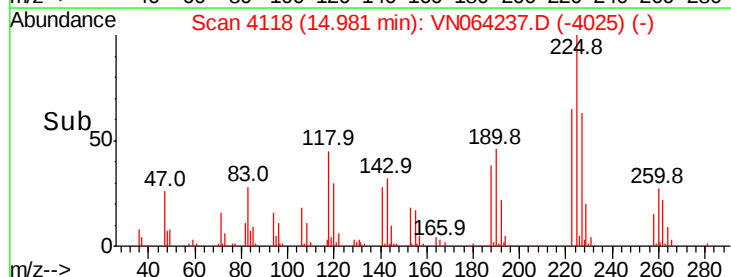


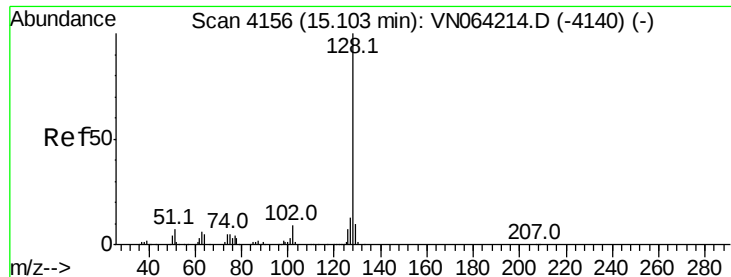
#94
 Hexachlorobutadiene
 Concen: 43.347 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064237.D
 Acq: 21 Oct 2020 23:56

Tgt Ion:225 Resp: 73081
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.5 94.5
 227 64.0 32.1 96.5



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





#95

Naphthalene

Concen: 57.189 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

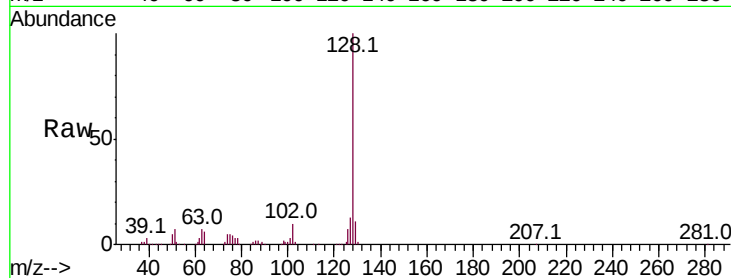
Tot Ion:128 Resp: 535355

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

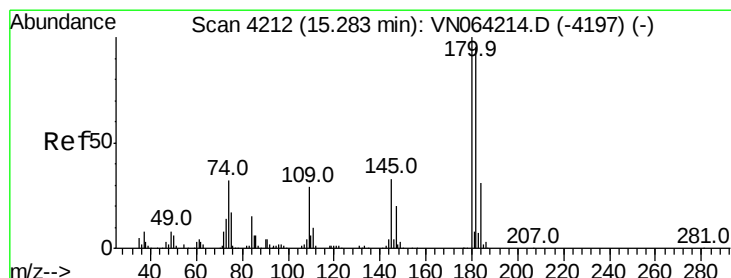
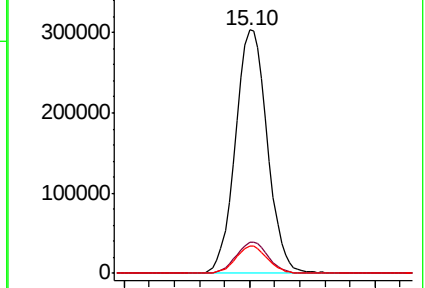
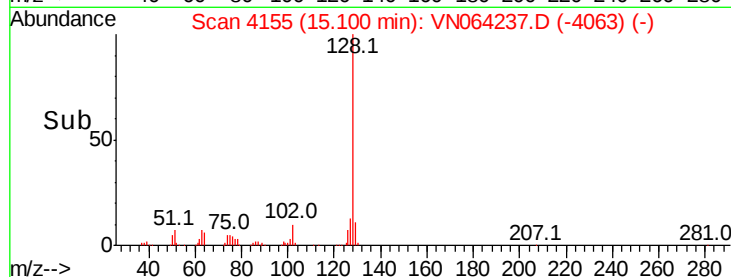
129 11.1 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 52.314 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064237.D

Acq: 21 Oct 2020 23:56

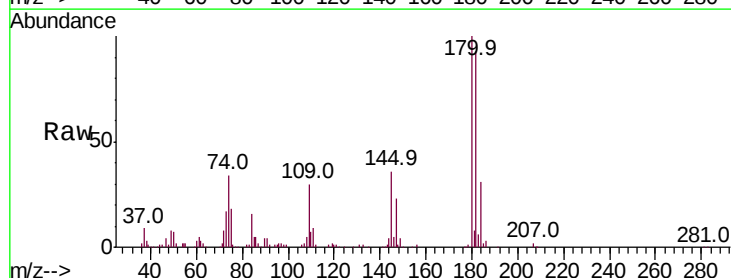
Tgt Ion:180 Resp: 161963

Ion Ratio Lower Upper

180 100

182 93.5 48.0 144.2

145 35.0 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

