

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064909.D
 Acq On : 4 Dec 2020 10:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 05 01:23:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	242961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	360665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	328734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162330	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	135296	47.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.80%
35) Dibromofluoromethane	7.55	113	117451	54.42	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.84%
50) Toluene-d8	10.06	98	451018	51.15	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.30%
62) 4-Bromofluorobenzene	12.37	95	161454	51.16	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.32%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	88617	42.085	ug/l 97
3) Chloromethane	2.04	50	113881	41.618	ug/l 100
4) Vinyl Chloride	2.17	62	123642	43.340	ug/l 97
5) Bromomethane	2.54	94	84194	44.983	ug/l 100
6) Chloroethane	2.68	64	79330	44.959	ug/l 98
7) Trichlorofluoromethane	2.99	101	186659	47.333	ug/l 99
8) Diethyl Ether	3.37	74	72568	46.619	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	115743	48.926	ug/l 99
10) Methyl Iodide	3.91	142	141413	46.086	ug/l 99
11) Tert butyl alcohol	4.74	59	90490	205.425	ug/l 99
12) 1,1-Dichloroethene	3.69	96	110487	46.896	ug/l 99
13) Acrolein	3.57	56	58013	215.609	ug/l 98
14) Allyl chloride	4.27	41	180812	46.531	ug/l 99
15) Acrylonitrile	4.93	53	282868	232.451	ug/l 99
16) Acetone	3.78	43	208555	224.610	ug/l 97
17) Carbon Disulfide	4.01	76	266594	43.826	ug/l 99
18) Methyl Acetate	4.28	43	132042	47.299	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	375826	49.737	ug/l 99
20) Methylene Chloride	4.50	84	132781	45.636	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	120432	46.031	ug/l 99
22) Diisopropyl ether	5.90	45	385310	49.540	ug/l 99
23) Vinyl Acetate	5.84	43	1544320	248.294	ug/l 99
24) 1,1-Dichloroethane	5.79	63	227326	48.905	ug/l 99
25) 2-Butanone	6.78	43	352012	233.868	ug/l 97
26) 2,2-Dichloropropane	6.77	77	197965	49.105	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	144392	49.045	ug/l 98
28) Bromochloromethane	7.15	49	90594	42.603	ug/l 97
29) Tetrahydrofuran	7.16	42	231124	222.446	ug/l 98
30) Chloroform	7.32	83	231315	48.256	ug/l 99
31) Cyclohexane	7.61	56	173484	44.067	ug/l 98
32) 1,1,1-Trichloroethane	7.52	97	197473	47.965	ug/l 99
36) 1,1-Dichloropropene	7.75	75	168233	50.324	ug/l 99
37) Ethyl Acetate	6.88	43	148991	46.268	ug/l 99
38) Carbon Tetrachloride	7.73	117	177527	51.037	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	177120	49.217	ug/l	95
40) Benzene	8.00	78	520381	50.798	ug/l	99
41) Methacrylonitrile	7.12	41	77878	52.412	ug/l	86
42) 1,2-Dichloroethane	8.08	62	170757	49.412	ug/l	99
43) Isopropyl Acetate	8.13	43	251794	48.593	ug/l #	90
44) Trichloroethene	8.80	130	151694	50.187	ug/l	95
45) 1,2-Dichloropropane	9.08	63	140029	52.783	ug/l	99
46) Dibromomethane	9.17	93	89614	50.563	ug/l	99
47) Bromodichloromethane	9.37	83	185472	52.010	ug/l	100
48) Methyl methacrylate	9.16	41	123169	49.745	ug/l	98
49) 1,4-Dioxane	9.16	88	41504	886.893	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	760937	244.609	ug/l	100
52) Toluene	10.12	92	329700	52.261	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	205946	51.850	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	227921	53.536	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	130898	50.457	ug/l	97
56) Ethyl methacrylate	10.40	69	190188	53.126	ug/l	98
57) 1,3-Dichloropropane	10.68	76	216865	50.677	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	473581	240.493	ug/l	100
59) 2-Hexanone	10.72	43	559696	249.996	ug/l	99
60) Dibromochloromethane	10.87	129	150347	52.137	ug/l	98
61) 1,2-Dibromoethane	10.97	107	136155	51.659	ug/l	98
64) Tetrachloroethene	10.60	164	157634	49.287	ug/l	97
65) Chlorobenzene	11.40	112	365729	51.807	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	136089	52.455	ug/l	98
67) Ethyl Benzene	11.48	91	617353	52.348	ug/l	100
68) m/p-Xylenes	11.59	106	482224	108.000	ug/l	98
69) o-Xylene	11.92	106	231261	54.580	ug/l	99
70) Styrene	11.94	104	398074	55.652	ug/l	99
71) Bromoform	12.10	173	105784	51.051	ug/l #	99
73) Isopropylbenzene	12.22	105	603487	53.448	ug/l	100
74) N-amyl acetate	12.04	43	222906	50.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	163280	49.337	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	239055	68.381	ug/l #	100
77) Bromobenzene	12.50	156	156051	51.264	ug/l	99
78) n-propylbenzene	12.56	91	677956	52.706	ug/l	98
79) 2-Chlorotoluene	12.65	91	405493	50.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	507090	54.031	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	63482	49.769	ug/l	98
82) 4-Chlorotoluene	12.75	91	431530	51.778	ug/l	98
83) tert-Butylbenzene	12.97	119	421930	53.636	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	519078	54.703	ug/l	100
85) sec-Butylbenzene	13.14	105	550309	52.688	ug/l	100
86) p-Isopropyltoluene	13.26	119	519783	54.661	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	276749	51.171	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	277228	48.470	ug/l	100
89) n-Butylbenzene	13.59	91	432284	51.765	ug/l	100
90) Hexachloroethane	13.85	117	86856	52.578	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	269702	50.788	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	33446	44.914	ug/l	98

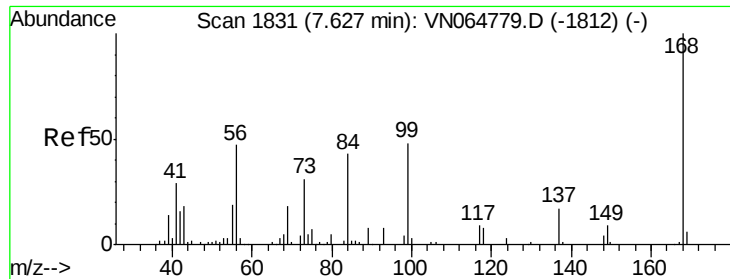
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	158598	48.279	ug/l	100
94) Hexachlorobutadiene	14.98	225	74150	50.124	ug/l	99
95) Naphthalene	15.10	128	465810	47.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	148173	47.534	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: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

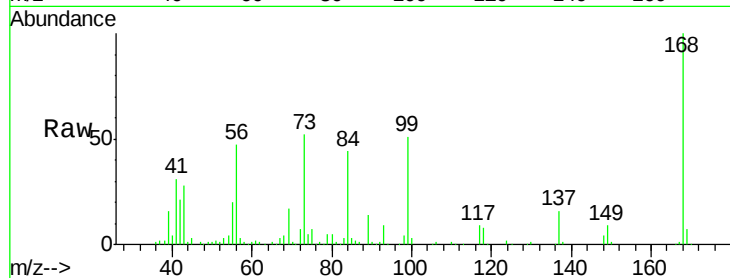
VSTDCCC050

Tot Ion:168 Resp: 242961

Ion Ratio Lower Upper

168 100

99 50.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

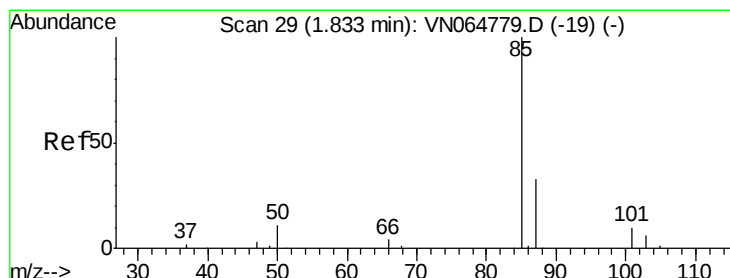
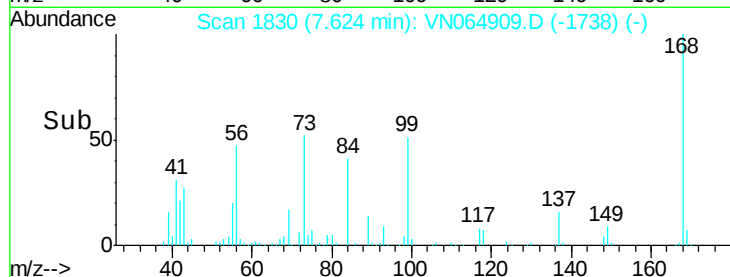
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 42.085 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064909.D

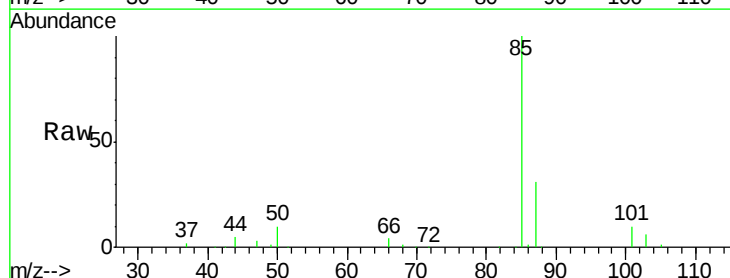
Acq: 4 Dec 2020 10:51

Tgt Ion: 85 Resp: 88617

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

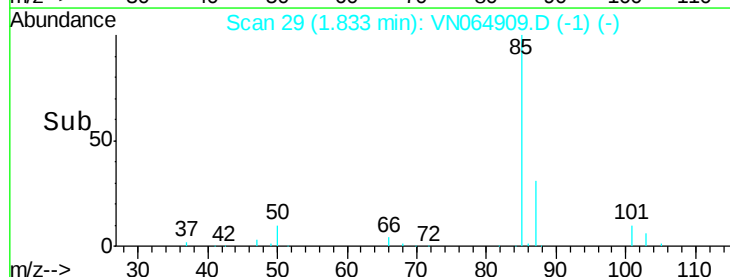
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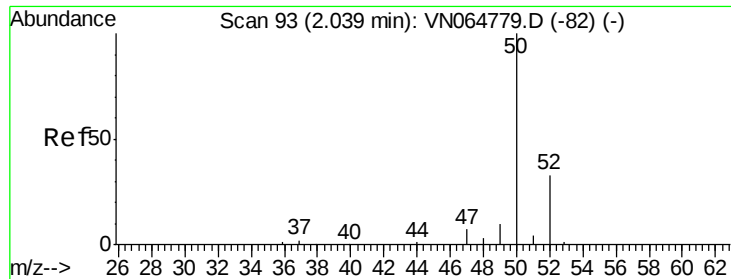
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 41.618 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

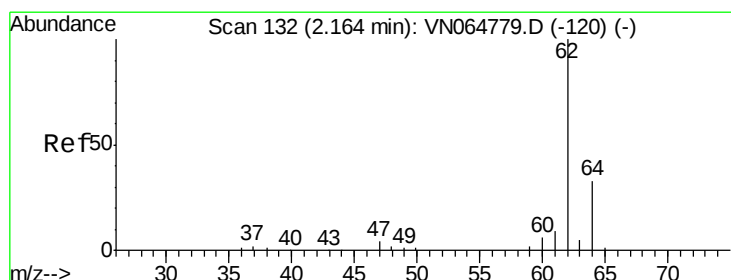
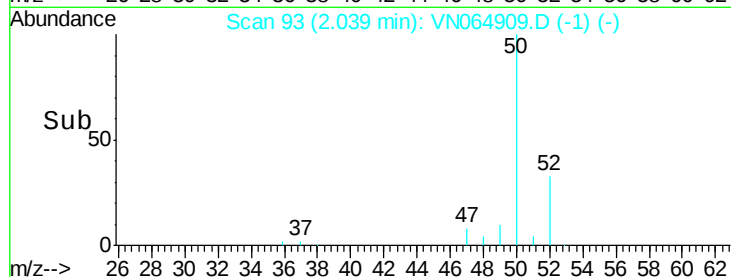
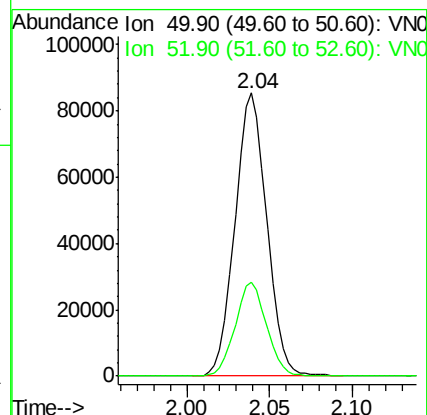
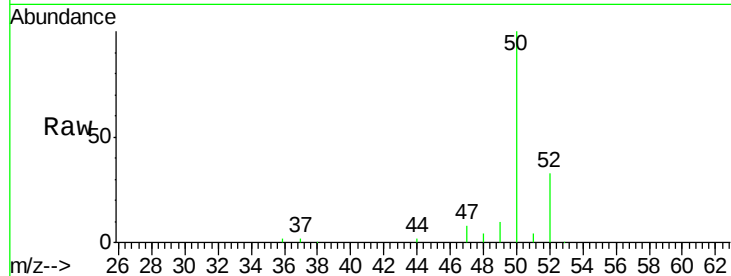
VSTDCCC050

Tot Ion: 50 Resp: 113881

Ion Ratio Lower Upper

50 100

52 33.4 26.6 39.8



#4

Vinyl Chloride

Concen: 43.340 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064909.D

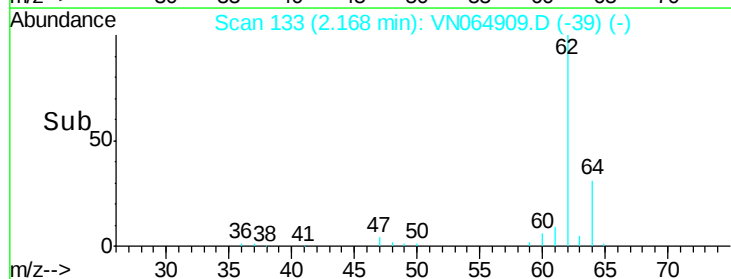
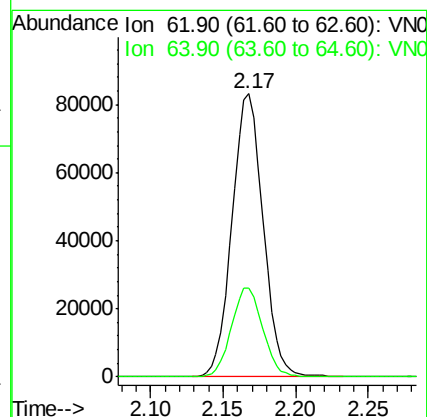
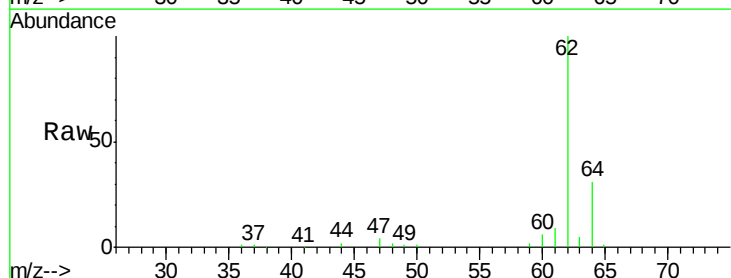
Acq: 4 Dec 2020 10:51

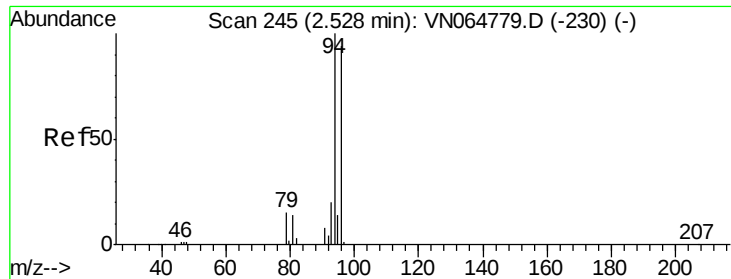
Tgt Ion: 62 Resp: 123642

Ion Ratio Lower Upper

62 100

64 31.4 26.5 39.7





#5

Bromomethane

Concen: 44.983 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

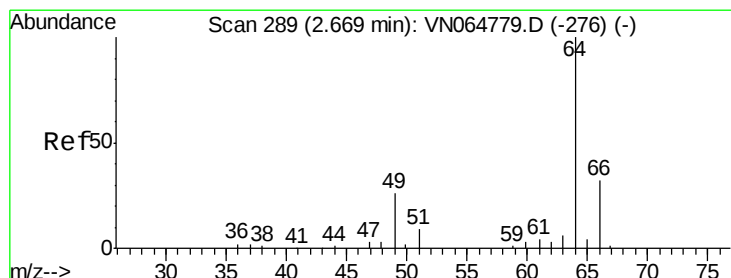
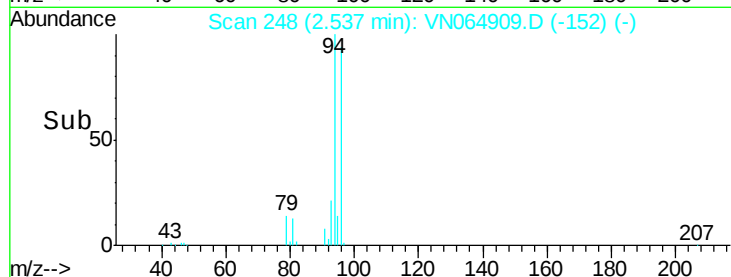
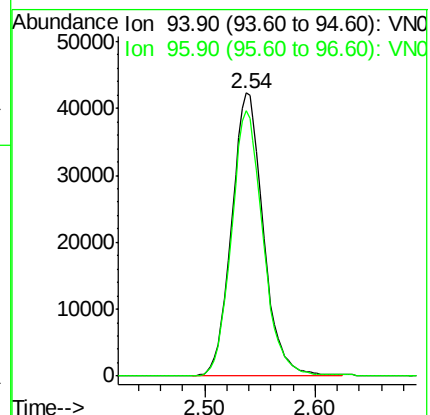
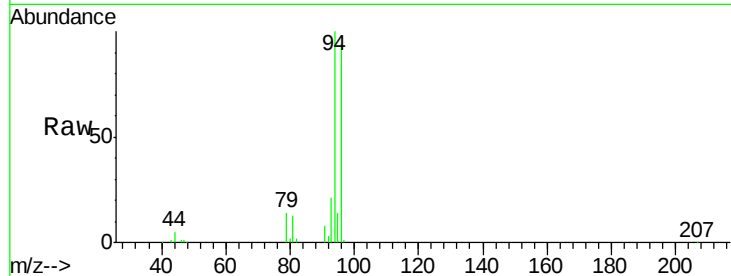
VSTDCCC050

Tot Ion: 94 Resp: 84194

Ion Ratio Lower Upper

94 100

96 93.8 75.4 113.0



#6

Chloroethane

Concen: 44.959 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064909.D

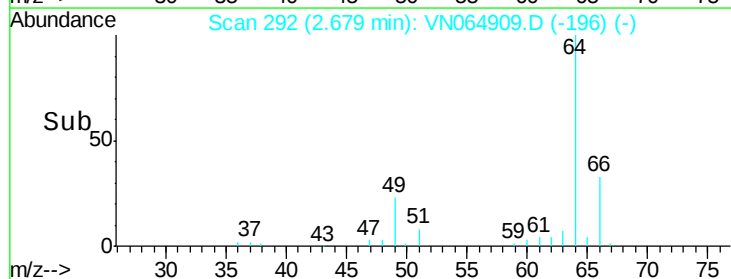
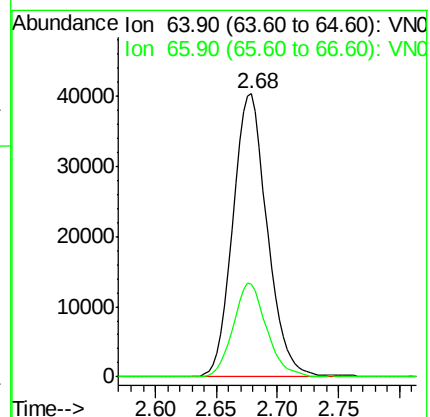
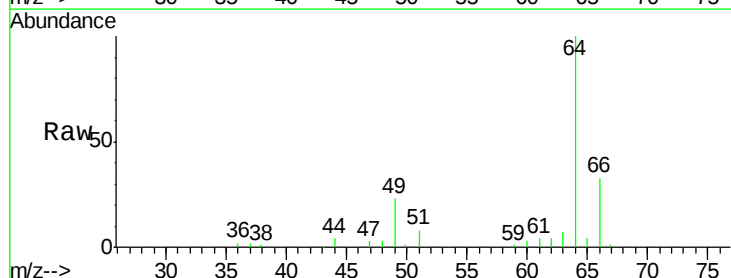
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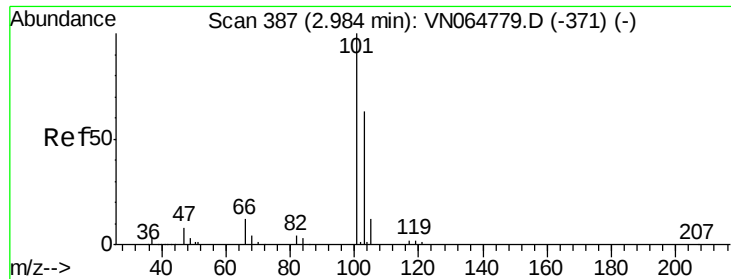
Tgt Ion: 64 Resp: 79330

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4



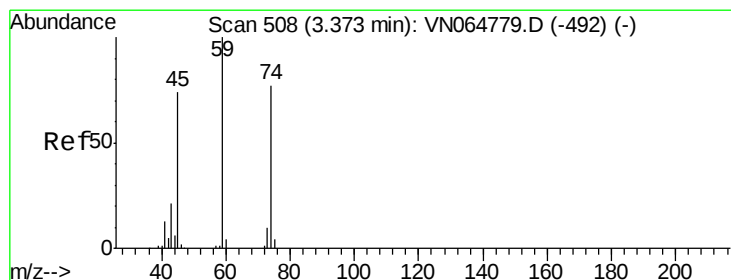
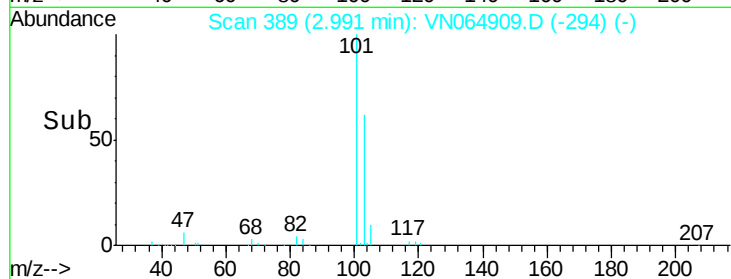
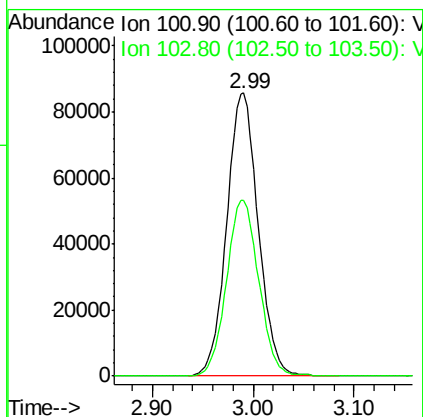
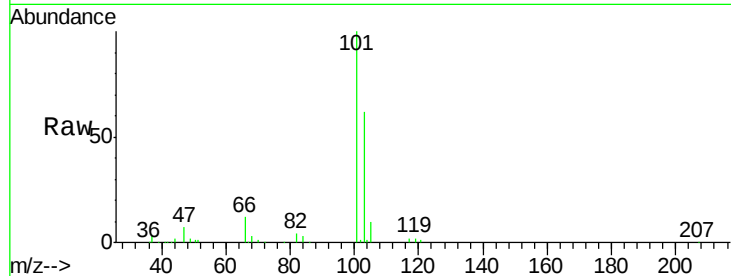


#7

Trichlorofluoromethane
 Concen: 47.333 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
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 VSTDCCC050

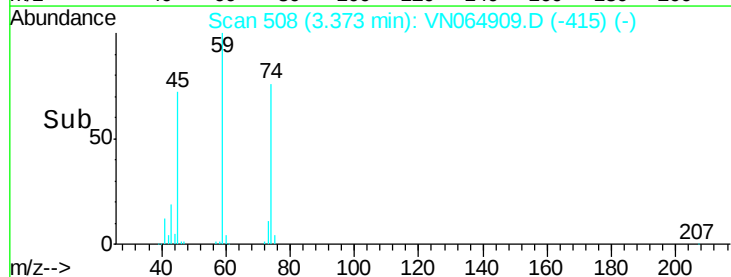
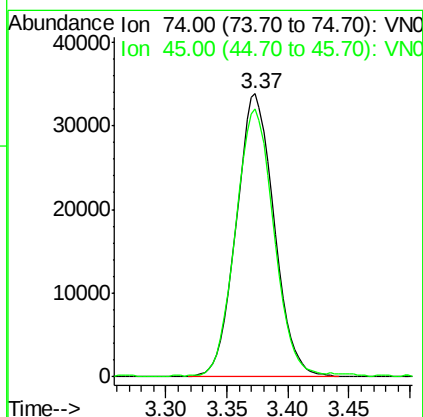
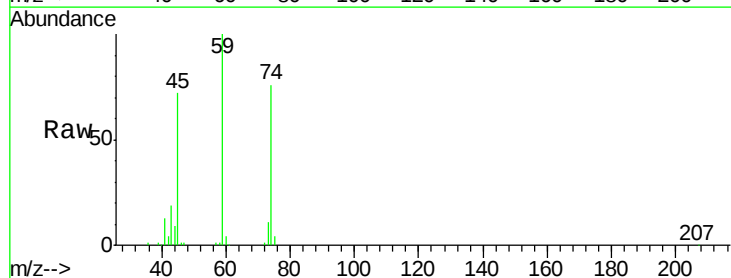
Tot Ion:101 Resp: 186659
 Ion Ratio Lower Upper
 101 100
 103 62.1 50.5 75.7

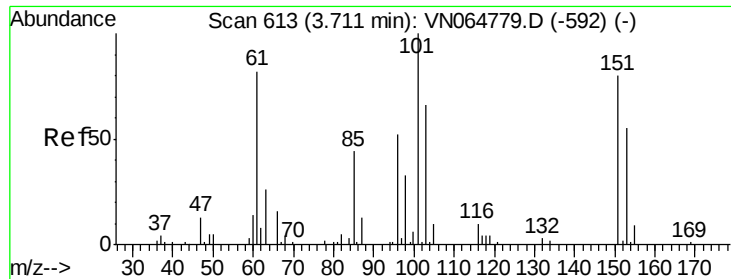


#8

Diethyl Ether
 Concen: 46.619 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 74 Resp: 72568
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.926 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

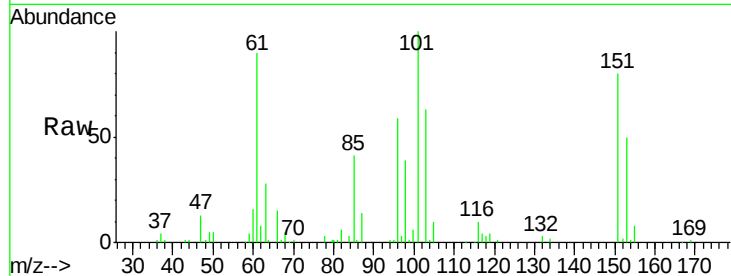
Tot Ion:101 Resp: 115743

Ion Ratio Lower Upper

101 100

85 41.2 34.4 51.6

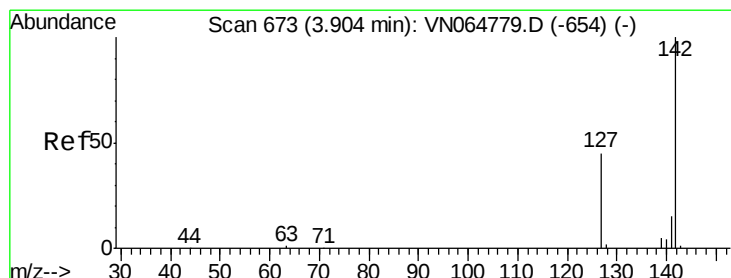
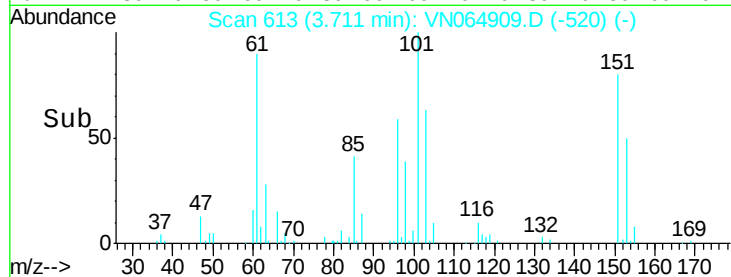
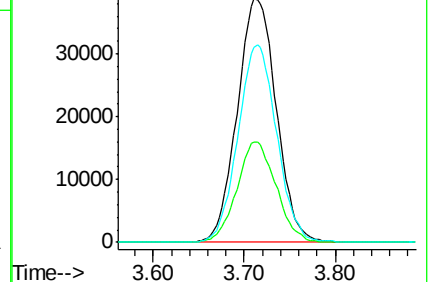
151 80.1 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.086 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

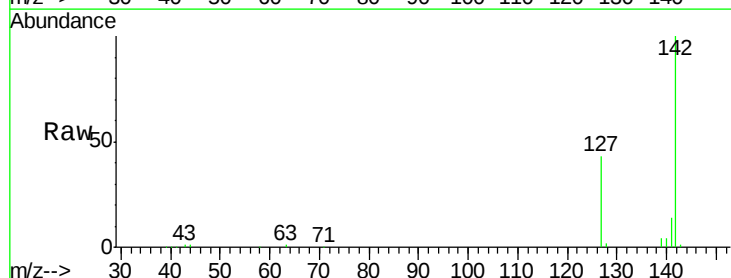
Tgt Ion:142 Resp: 141413

Ion Ratio Lower Upper

142 100

127 43.1 35.0 52.6

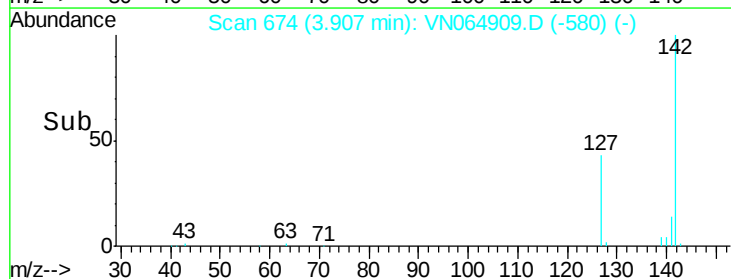
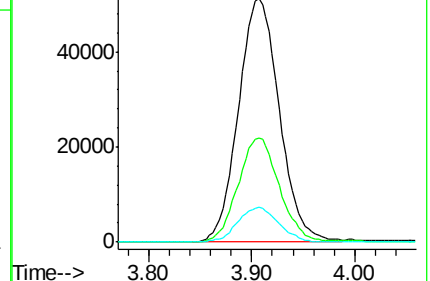
141 14.3 11.8 17.6

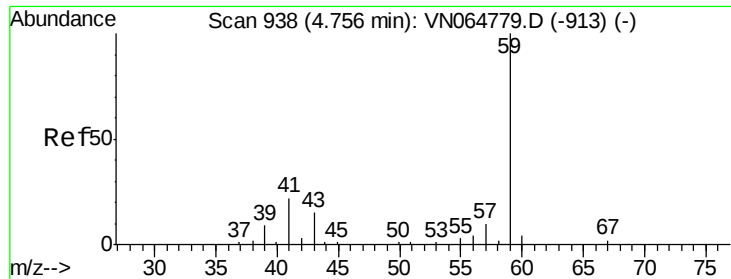


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

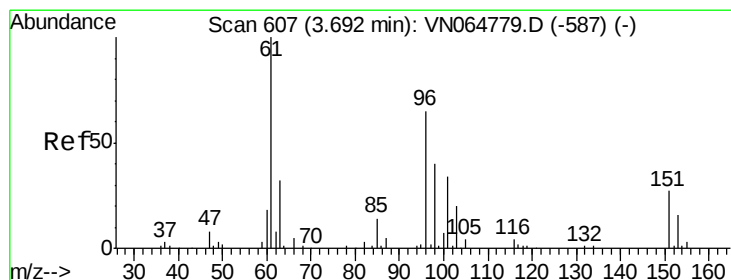
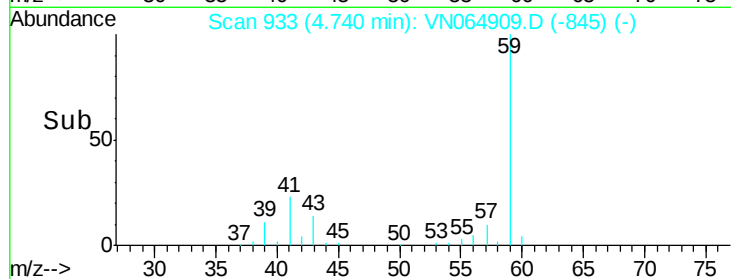
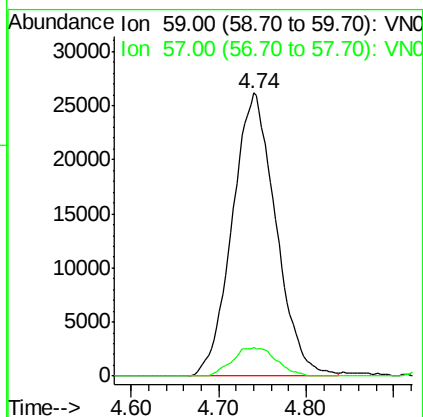
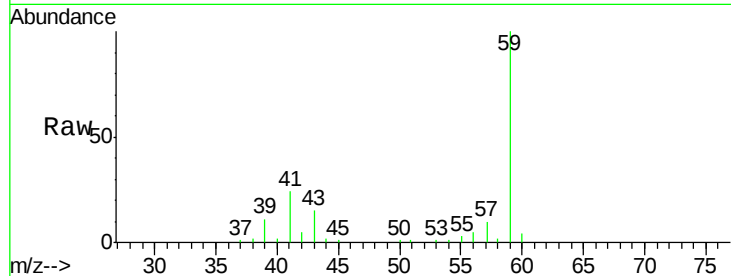




#11
Tert butyl alcohol
Concen: 205.425 ug/l
RT: 4.74 min Scan# 933
Delta R.T. -0.02 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

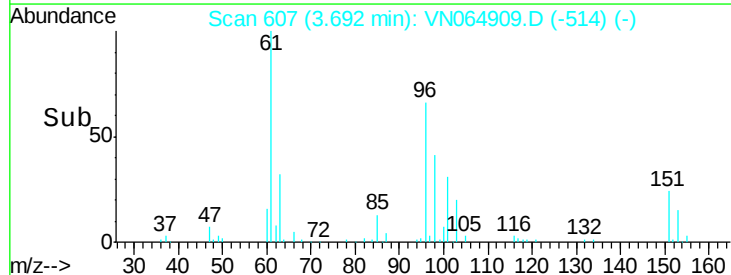
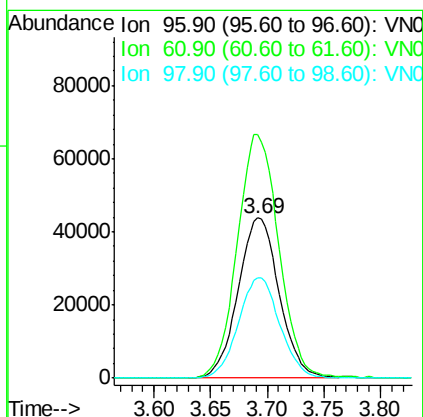
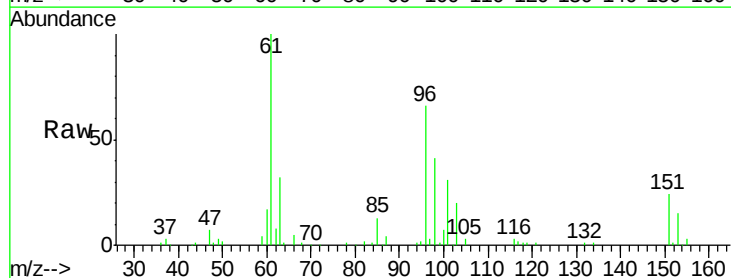
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

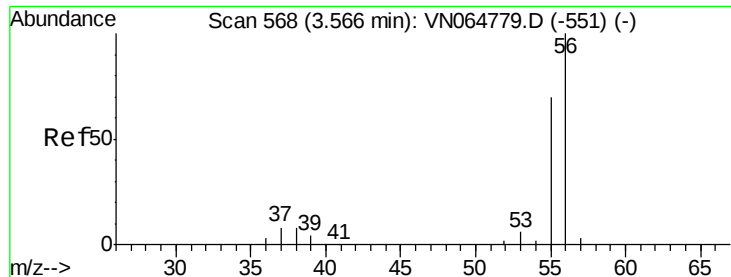
Tot Ion: 59 Resp: 90490
Ion Ratio Lower Upper
59 100
57 10.1 7.9 11.9



#12
1,1-Dichloroethene
Concen: 46.896 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 96 Resp: 110487
Ion Ratio Lower Upper
96 100
61 152.0 123.4 185.2
98 62.7 49.8 74.8





#13

Acrolein

Concen: 215.609 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

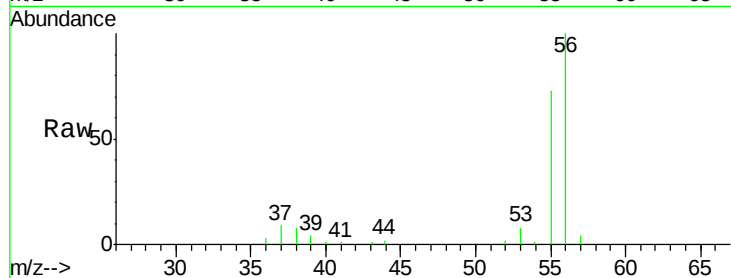
VSTDCCC050

Tot Ion: 56 Resp: 58013

Ion Ratio Lower Upper

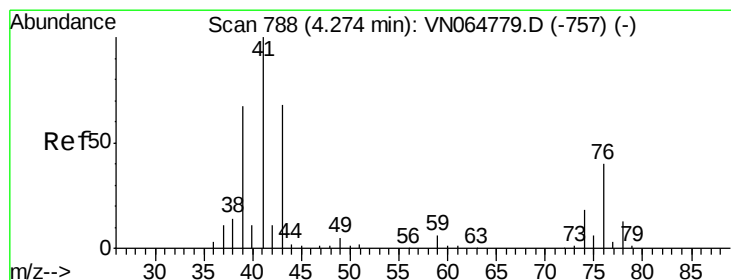
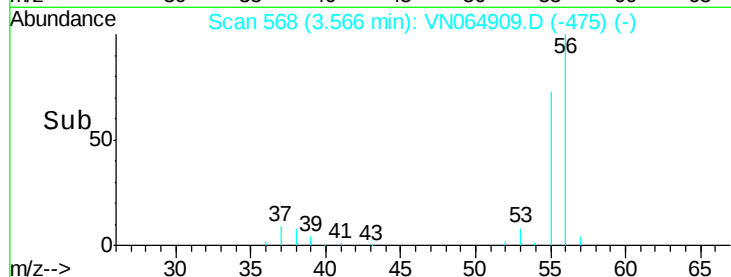
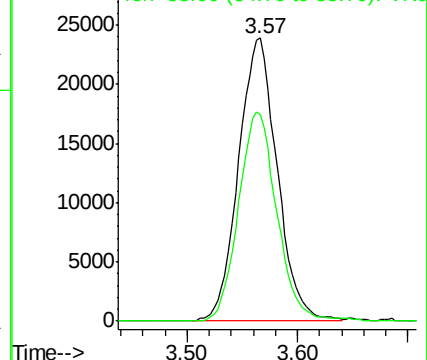
56 100

55 72.7 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.531 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

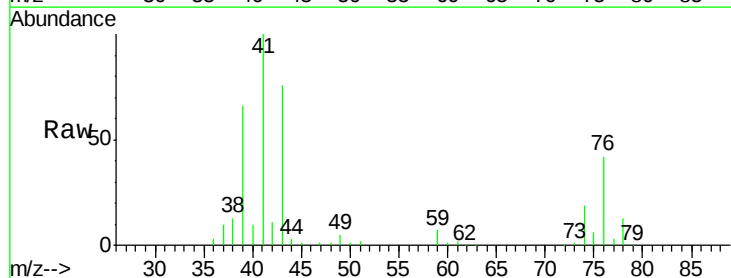
Tgt Ion: 41 Resp: 180812

Ion Ratio Lower Upper

41 100

39 62.7 50.9 76.3

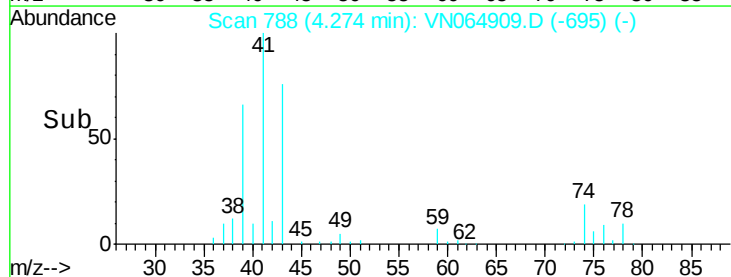
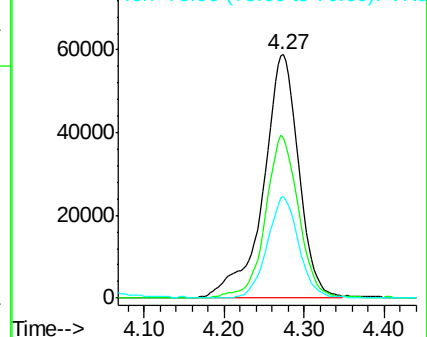
76 36.9 29.0 43.4

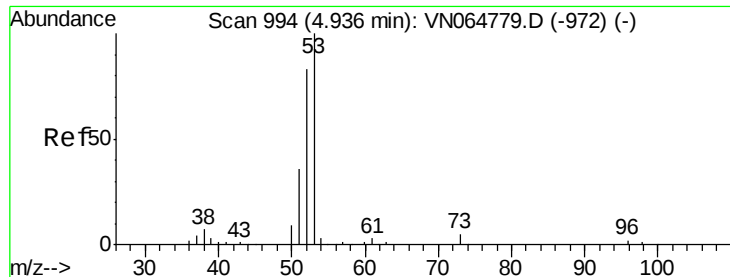


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 232.451 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

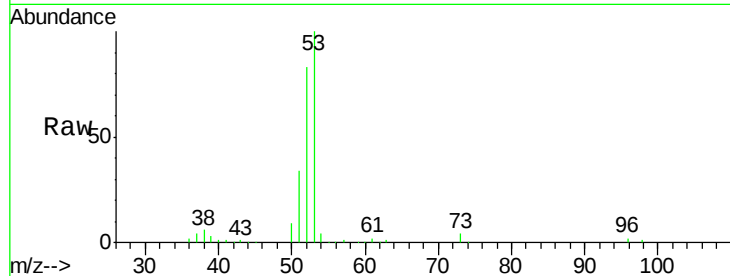
Tot Ion: 53 Resp: 282868

Ion Ratio Lower Upper

53 100

52 81.6 65.5 98.3

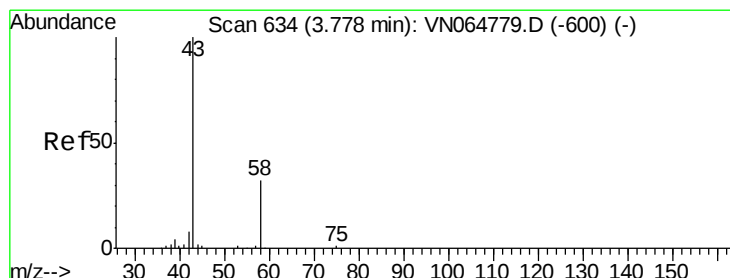
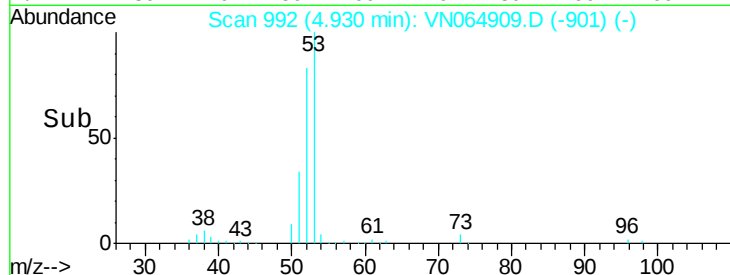
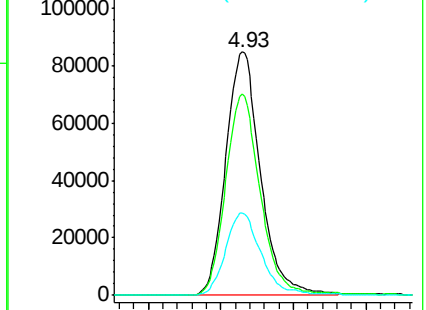
51 34.8 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064909.D (-901) (-)

Ion 52.00 (51.70 to 52.70): VN064909.D (-901) (-)

Ion 51.00 (50.70 to 51.70): VN064909.D (-901) (-)



#16

Acetone

Concen: 224.610 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064909.D

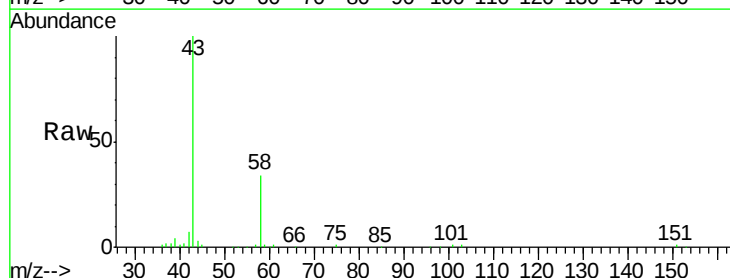
Acq: 4 Dec 2020 10:51

Tgt Ion: 43 Resp: 208555

Ion Ratio Lower Upper

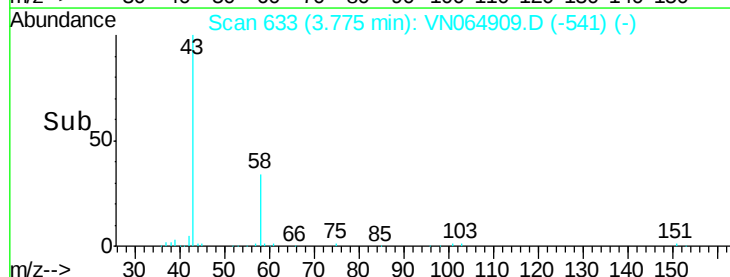
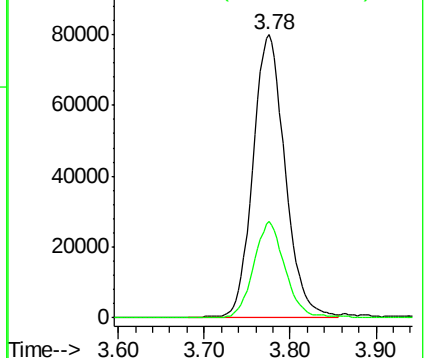
43 100

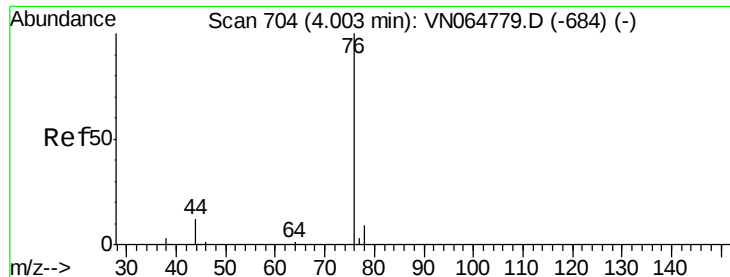
58 33.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064909.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN064909.D (-541) (-)

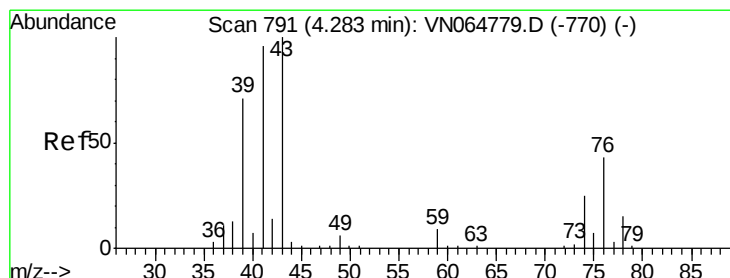
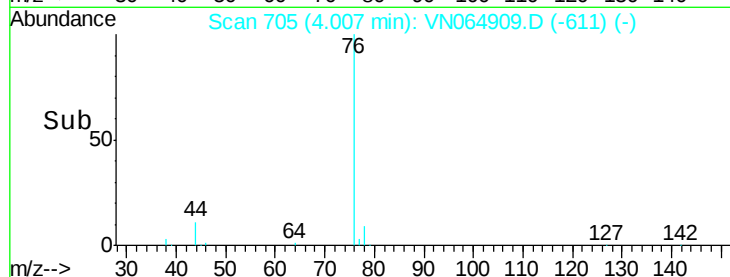
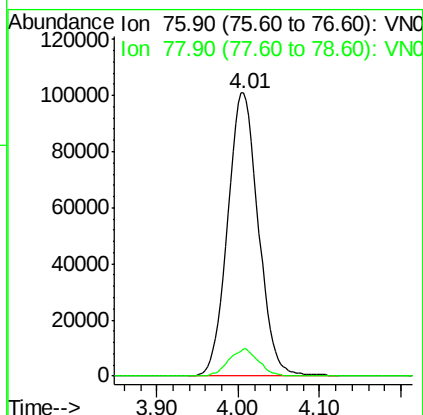
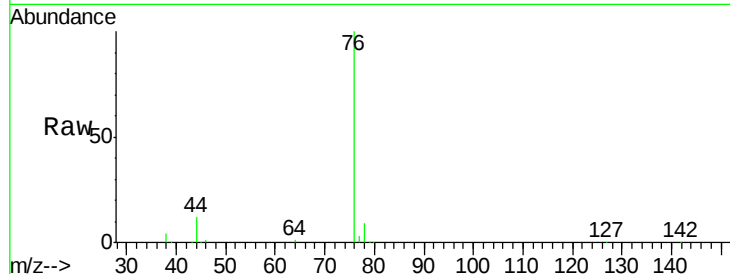




#17
Carbon Disulfide
Concen: 43.826 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

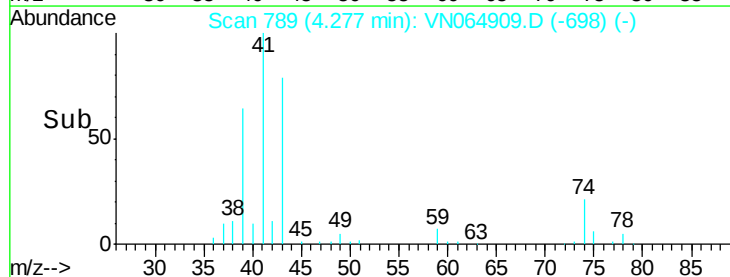
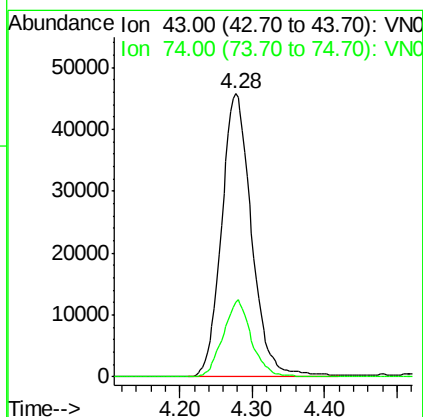
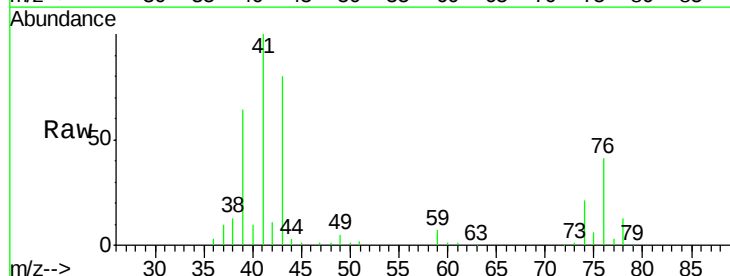
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

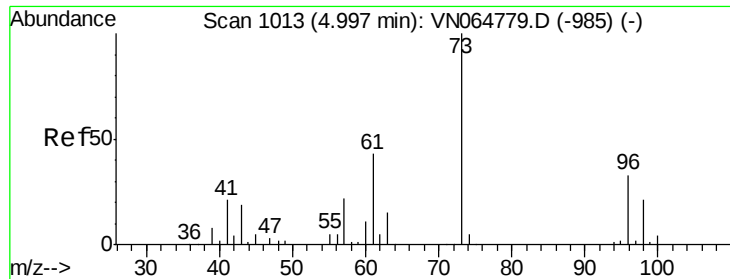
Tot Ion: 76 Resp: 266594
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 47.299 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 43 Resp: 132042
Ion Ratio Lower Upper
43 100
74 25.5 20.2 30.2

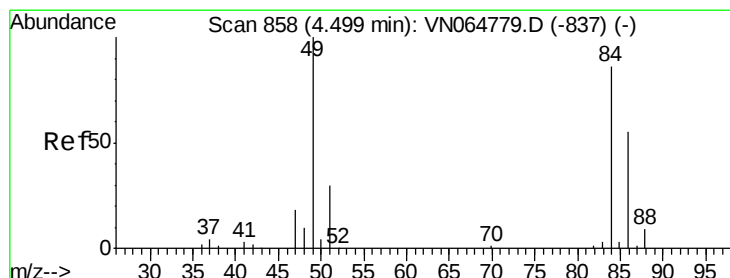
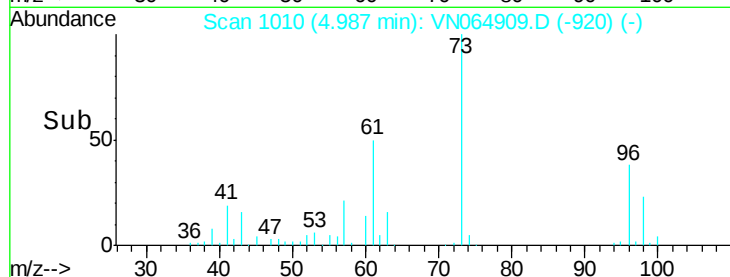
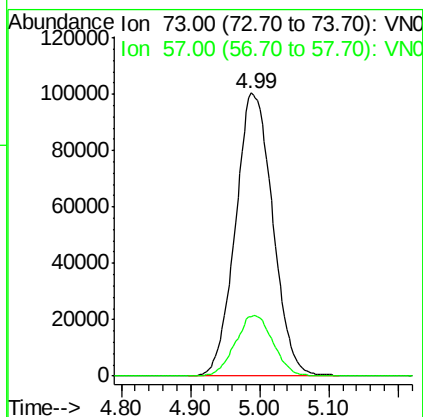
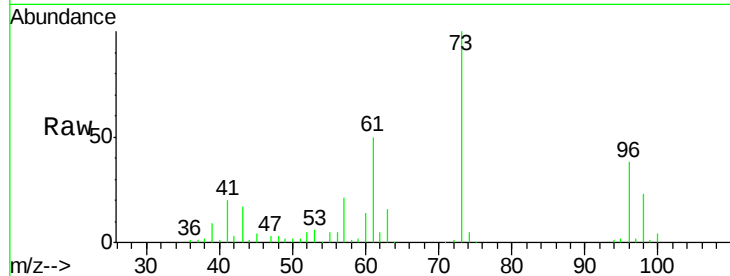




#19
Methyl tert-butyl Ether
Concen: 49.737 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

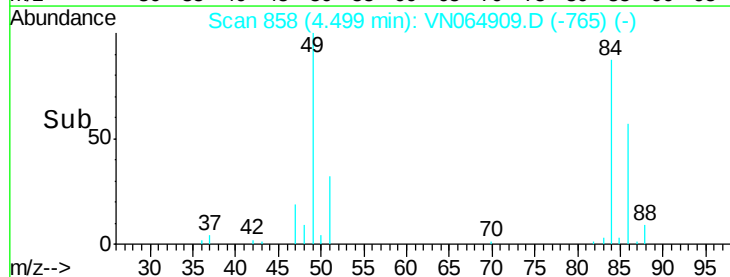
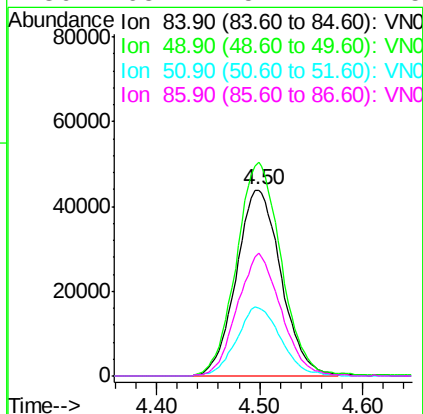
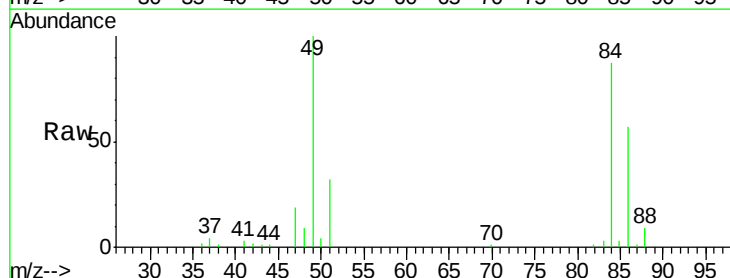
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

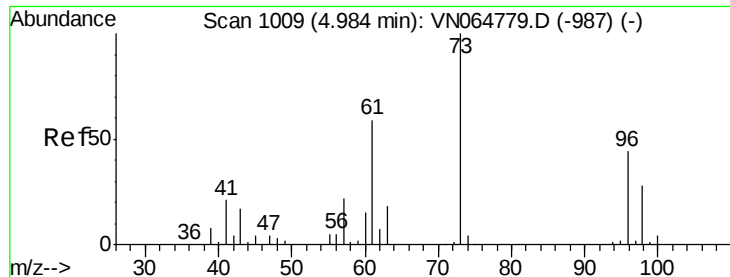
Tot Ion: 73 Resp: 375826
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0



#20
Methylene Chloride
Concen: 45.636 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 84 Resp: 132781
Ion Ratio Lower Upper
84 100
49 114.7 93.4 140.0
51 36.8 28.2 42.4
86 65.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.031 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

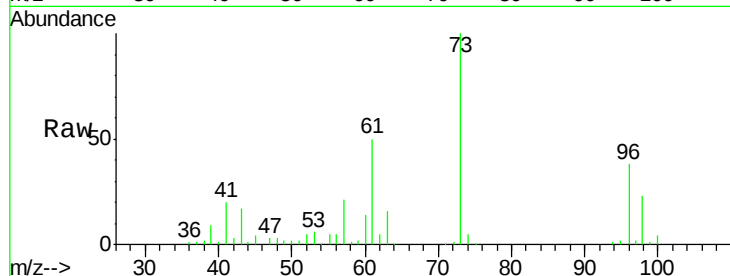
Tot Ion: 96 Resp: 120432

Ion Ratio Lower Upper

96 100

61 134.0 108.4 162.6

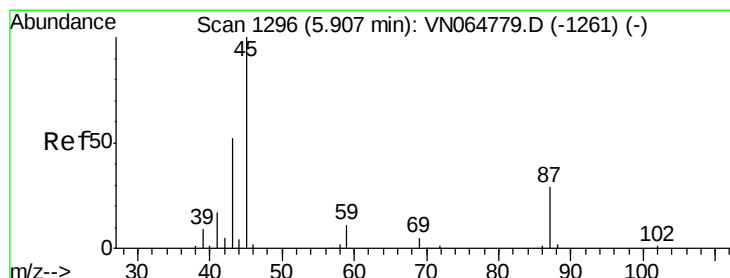
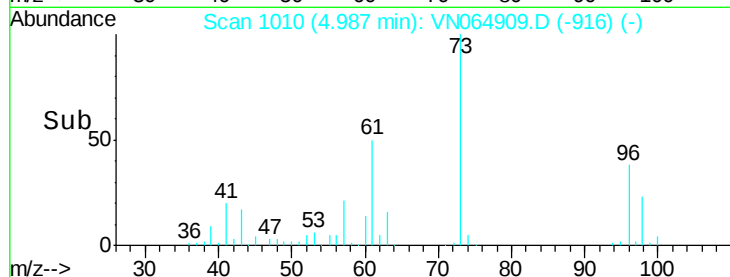
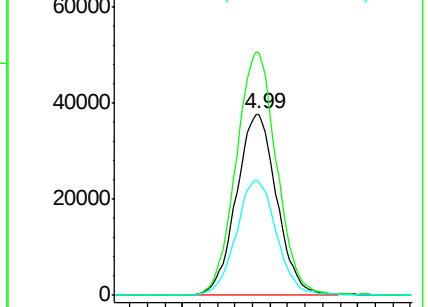
98 62.6 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VN064909.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN064909.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN064909.D (-916) (-)



#22

Diisopropyl ether

Concen: 49.540 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion: 45 Resp: 385310

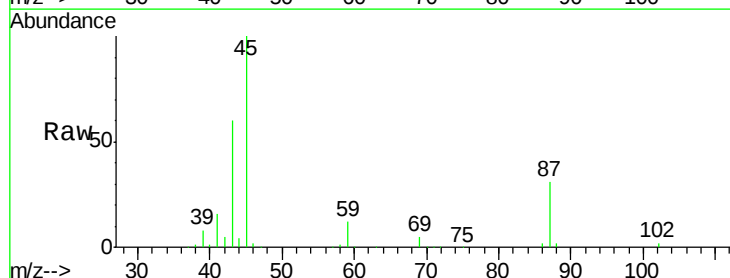
Ion Ratio Lower Upper

45 100

43 58.6 46.2 69.2

87 31.2 24.1 36.1

59 11.5 9.0 13.4

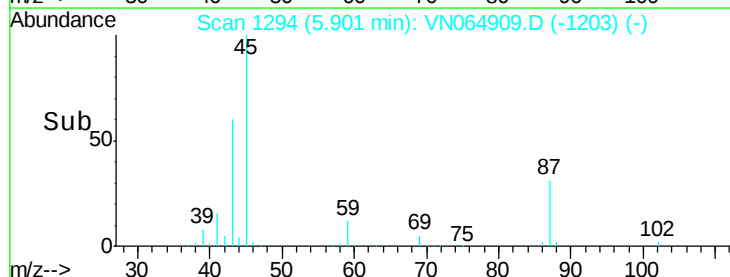
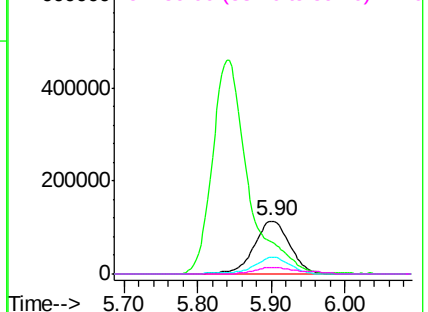


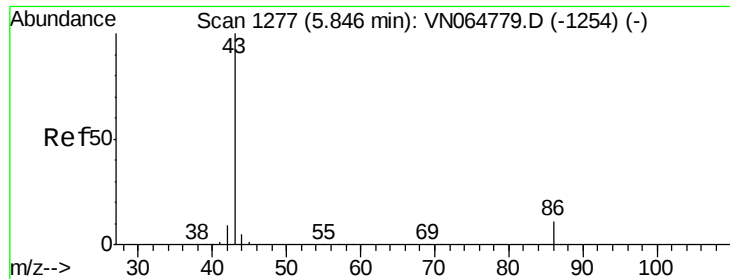
Abundance Ion 45.00 (44.70 to 45.70): VN064909.D (-1203) (-)

Ion 43.00 (42.70 to 43.70): VN064909.D (-1203) (-)

Ion 87.00 (86.70 to 87.70): VN064909.D (-1203) (-)

Ion 59.00 (58.70 to 59.70): VN064909.D (-1203) (-)





#23

Vinyl Acetate

Concen: 248.294 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

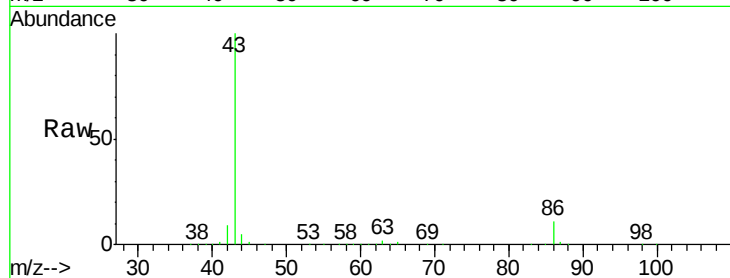
VSTDCCC050

Tot Ion: 43 Resp: 1544320

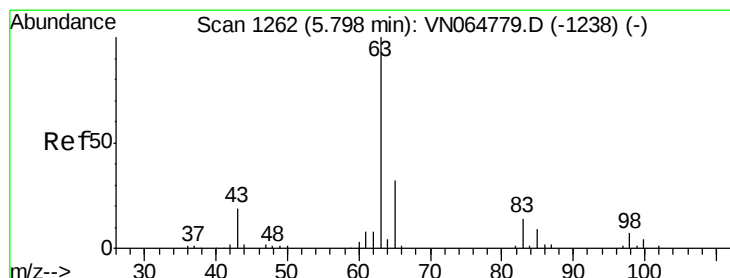
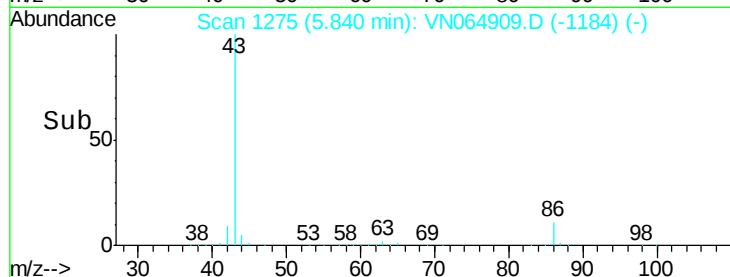
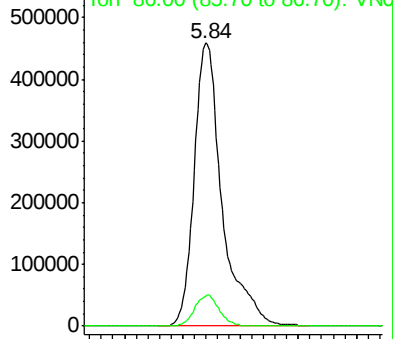
Ion Ratio Lower Upper

43 100

86 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN064909.D (-1184) (-)



#24

1,1-Dichloroethane

Concen: 48.905 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

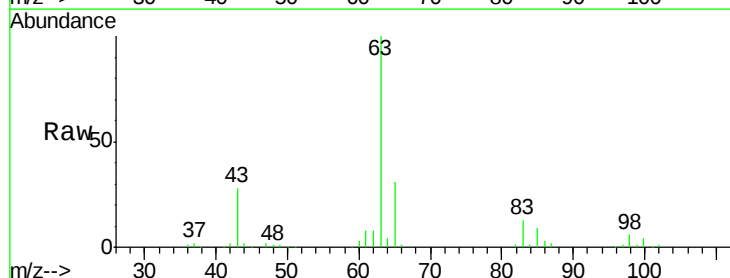
Tgt Ion: 63 Resp: 227326

Ion Ratio Lower Upper

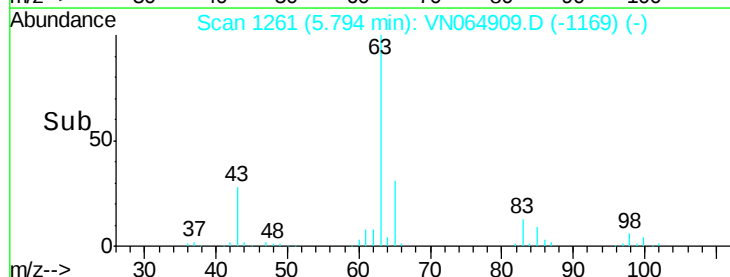
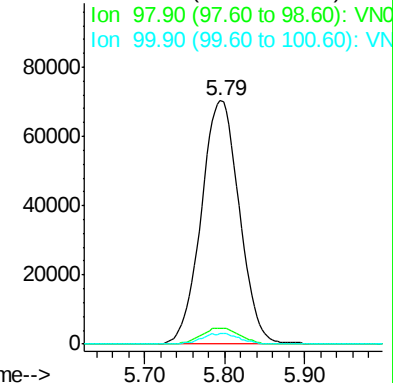
63 100

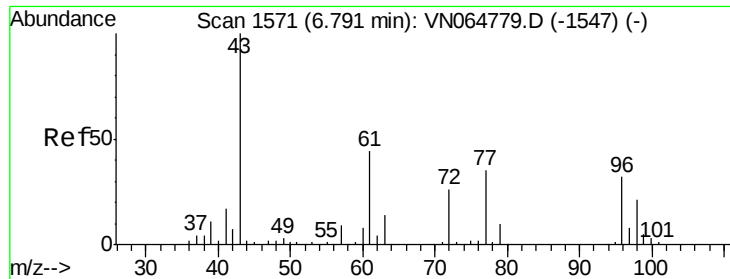
98 6.4 3.5 10.5

100 4.3 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064909.D (-1169) (-)

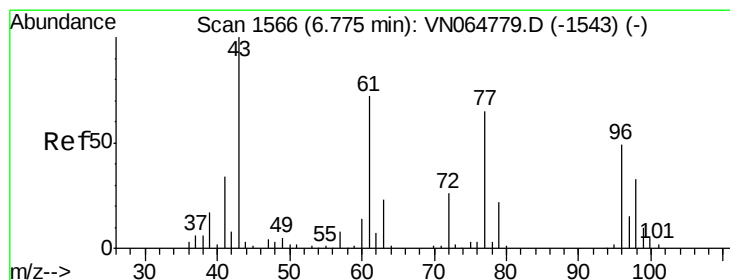
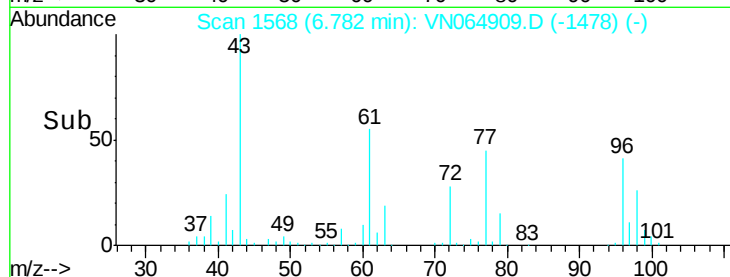
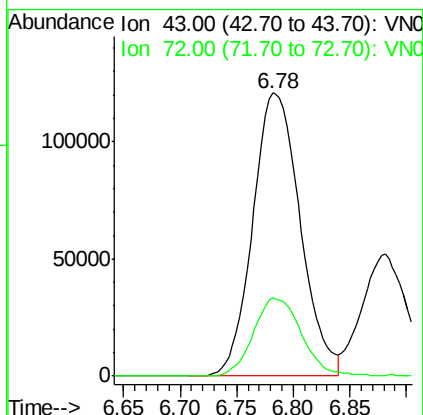
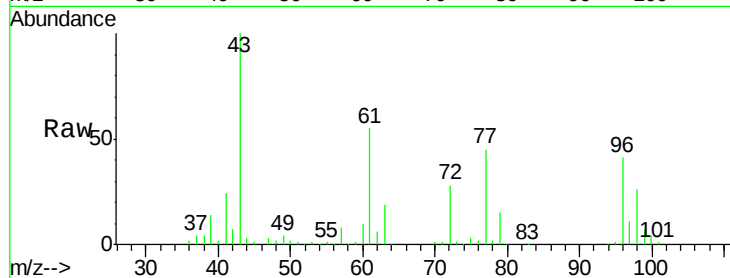




#25
2-Butanone
Concen: 233.868 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

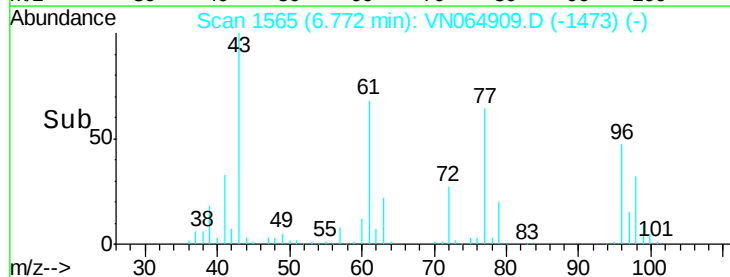
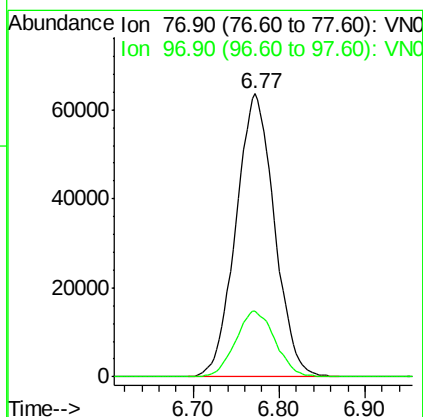
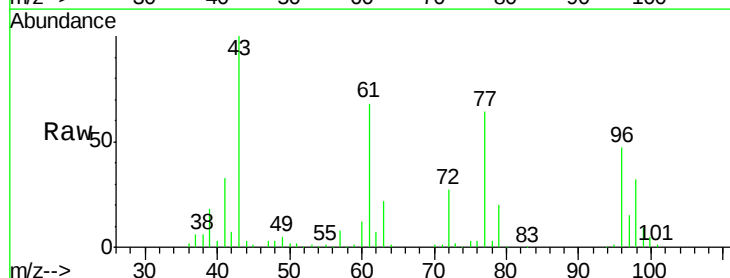
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

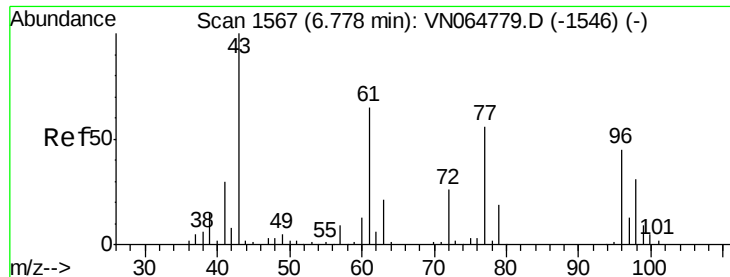
Tot Ion: 43 Resp: 352012
Ion Ratio Lower Upper
43 100
72 27.7 21.0 31.6



#26
2,2-Dichloropropane
Concen: 49.105 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 77 Resp: 197965
Ion Ratio Lower Upper
77 100
97 23.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 49.045 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

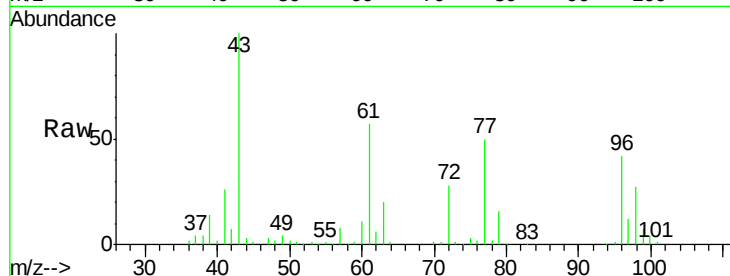
Tot Ion: 96 Resp: 144392

Ion Ratio Lower Upper

96 100

61 140.2 0.0 285.8

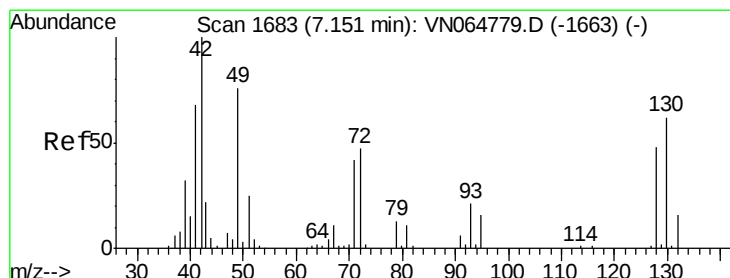
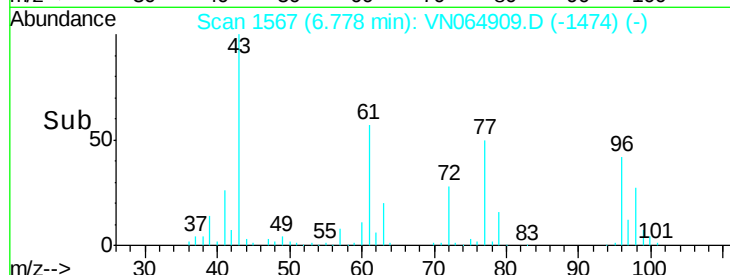
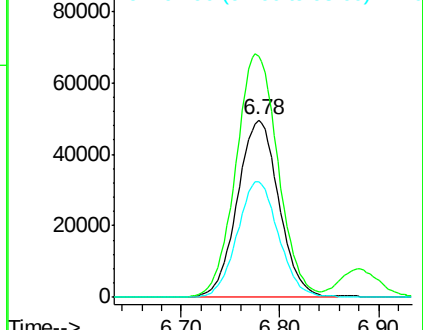
98 65.2 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064909.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064909.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064909.D (-1474) (-)



#28

Bromochloromethane

Concen: 42.603 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

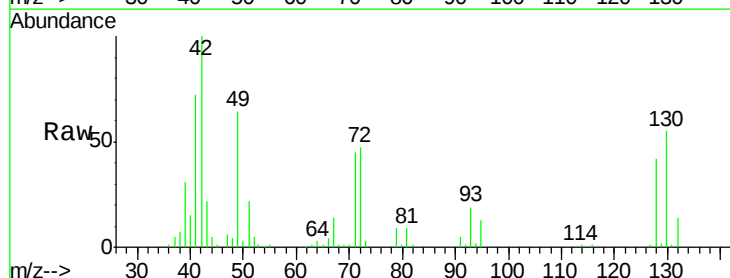
Tgt Ion: 49 Resp: 90594

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

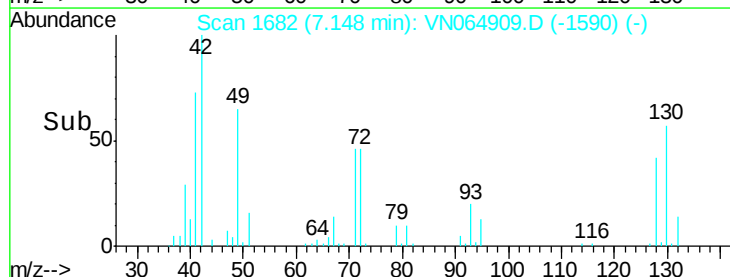
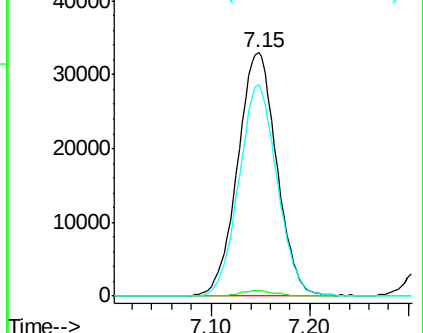
130 85.1 66.2 99.2

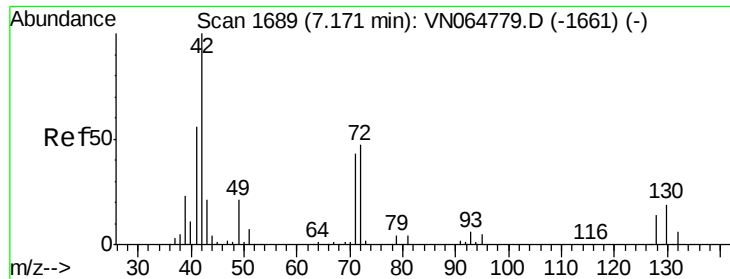


Abundance Ion 48.90 (48.60 to 49.60): VN064909.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN064909.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN064909.D (-1590) (-)





#29

Tetrahydrofuran

Concen: 222.446 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

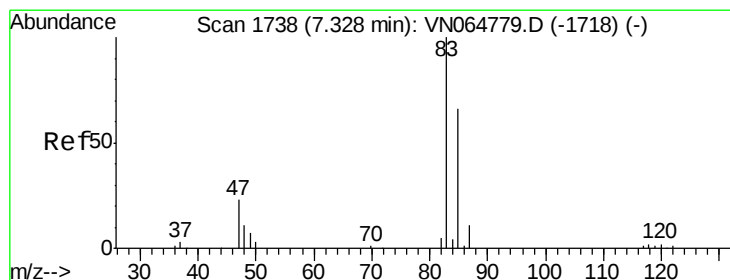
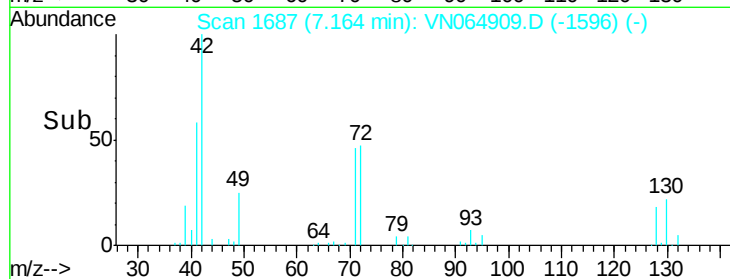
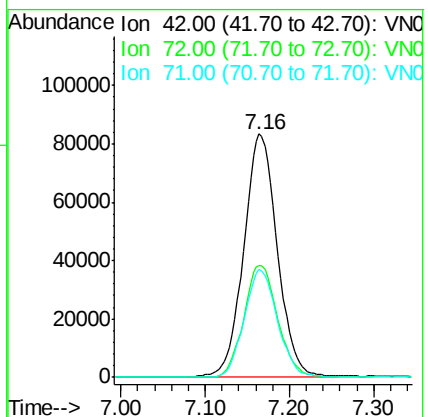
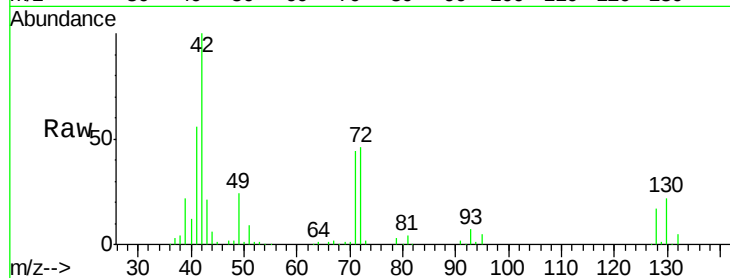
Tot Ion: 42 Resp: 231124

Ion Ratio Lower Upper

42 100

72 46.4 36.6 54.8

71 43.8 33.6 50.4



#30

Chloroform

Concen: 48.256 ug/l

RT: 7.32 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064909.D

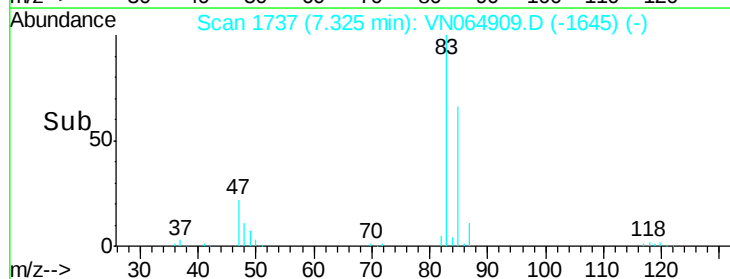
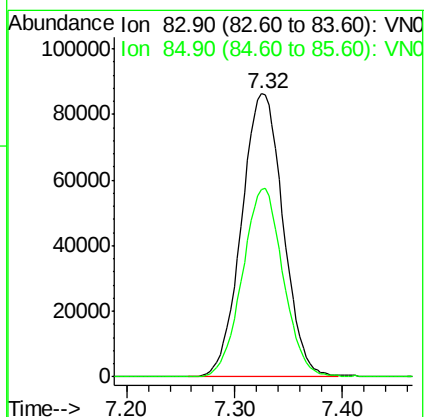
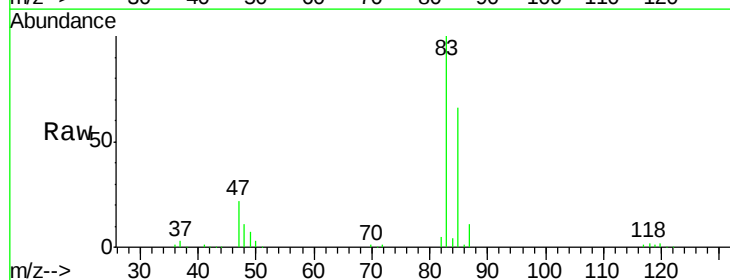
Acq: 4 Dec 2020 10:51

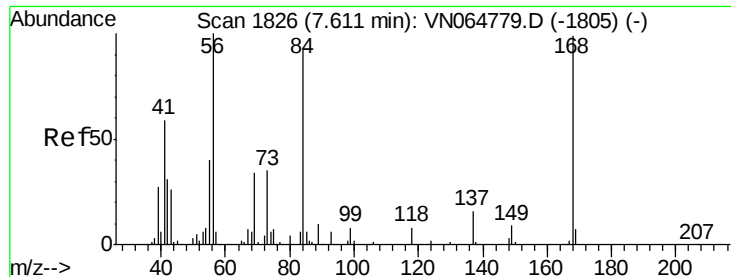
Tgt Ion: 83 Resp: 231315

Ion Ratio Lower Upper

83 100

85 66.2 52.6 78.8

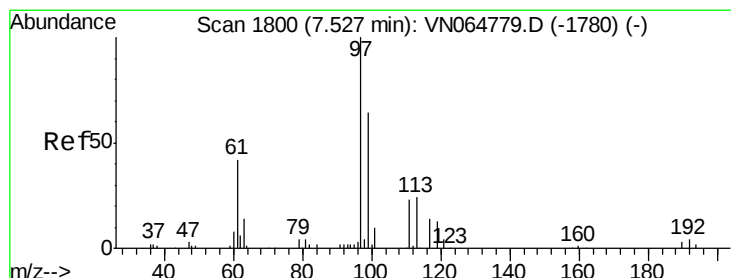
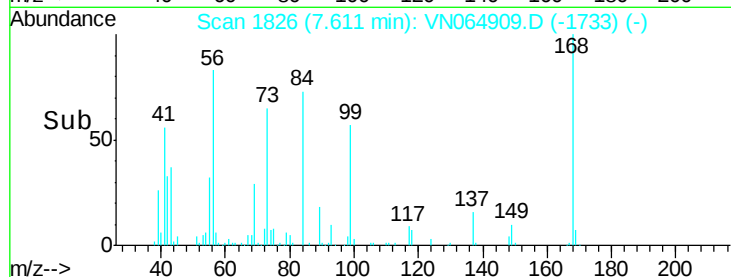
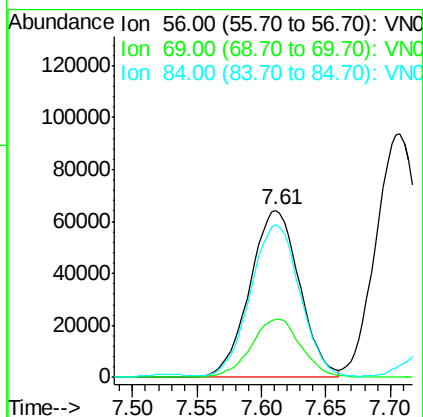
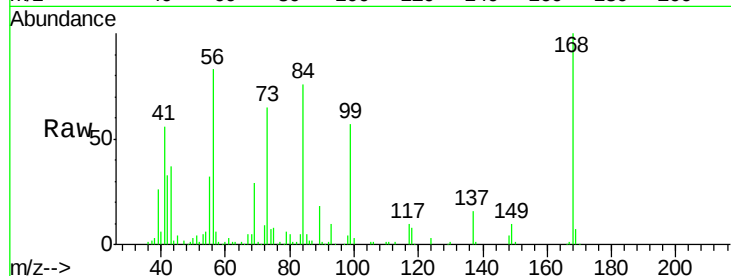




#31
Cyclohexane
Concen: 44.067 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

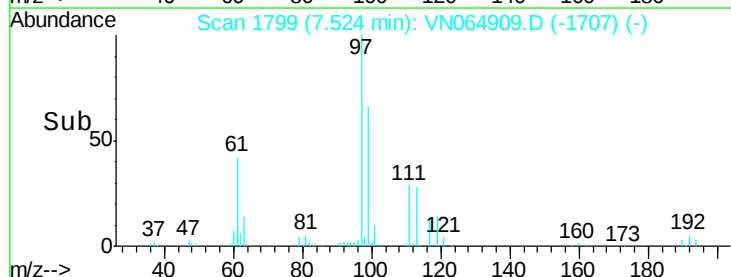
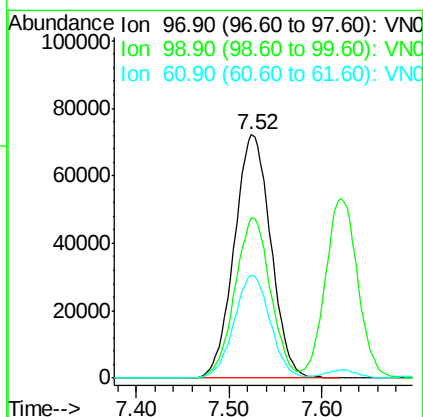
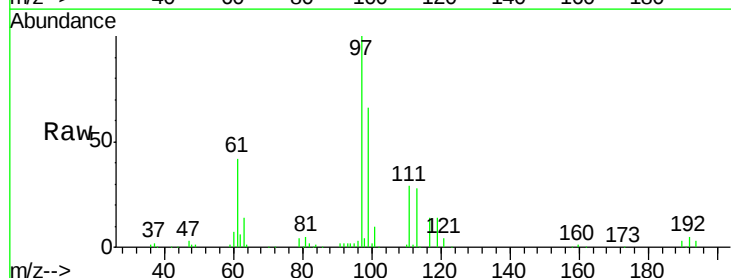
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

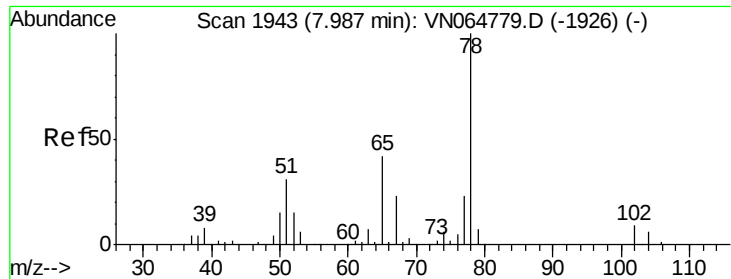
Tot Ion: 56 Resp: 173484
Ion Ratio Lower Upper
56 100
69 34.4 27.5 41.3
84 90.0 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 47.965 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 97 Resp: 197473
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 41.7 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 47.899 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

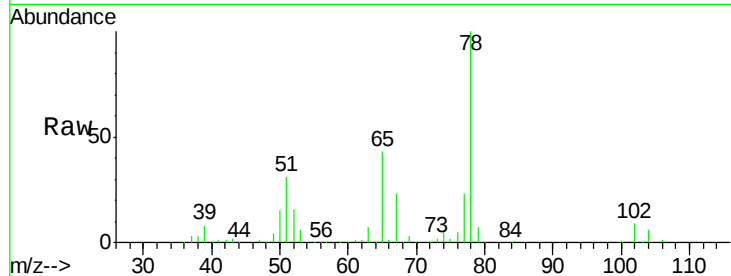
VSTDCCC050

Tot Ion: 65 Resp: 135296

Ion Ratio Lower Upper

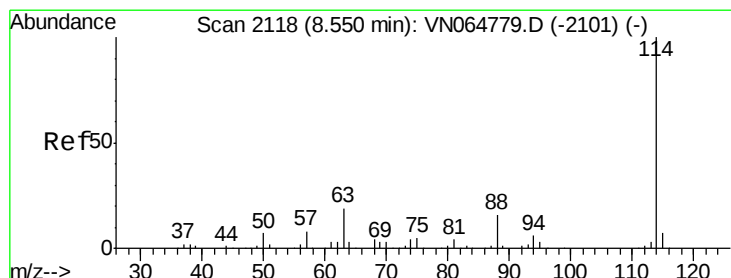
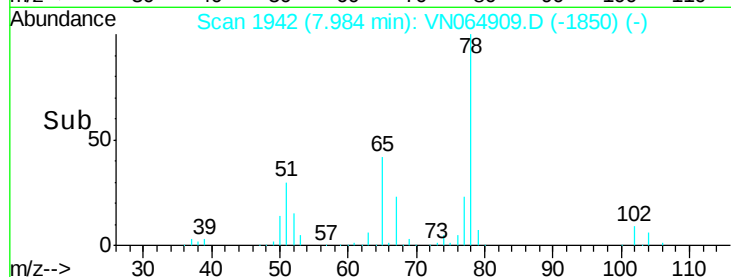
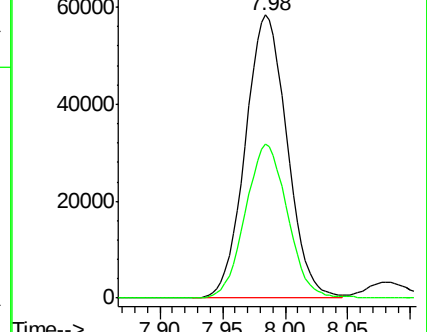
65 100

67 54.8 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

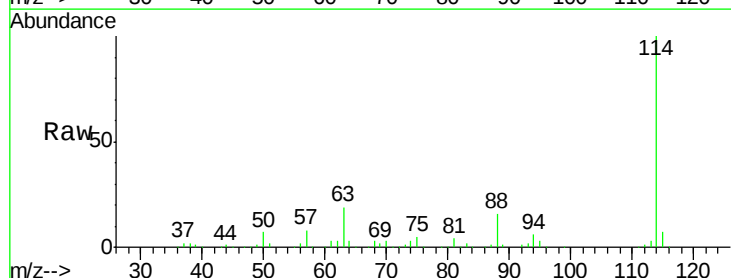
Tgt Ion: 114 Resp: 360665

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

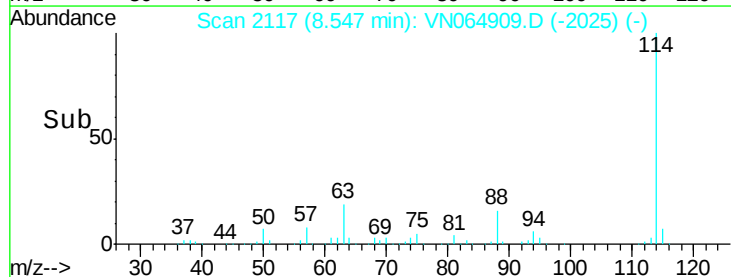
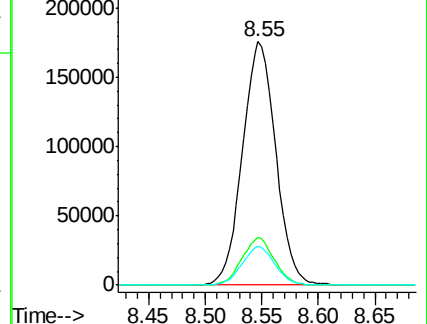
88 15.8 0.0 32.6

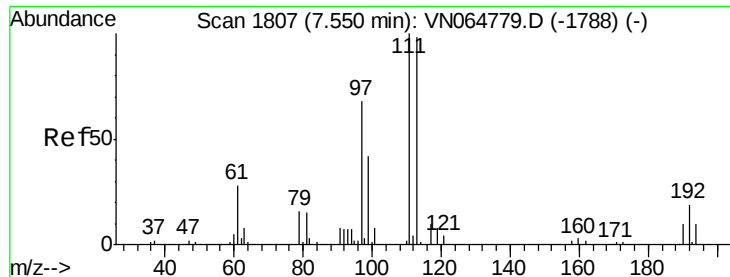


Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)

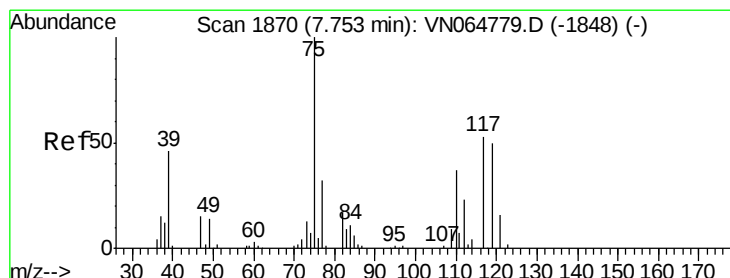
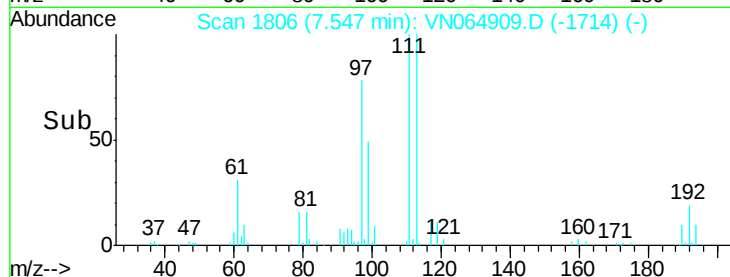
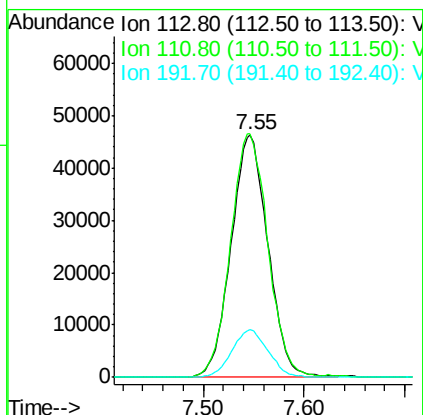
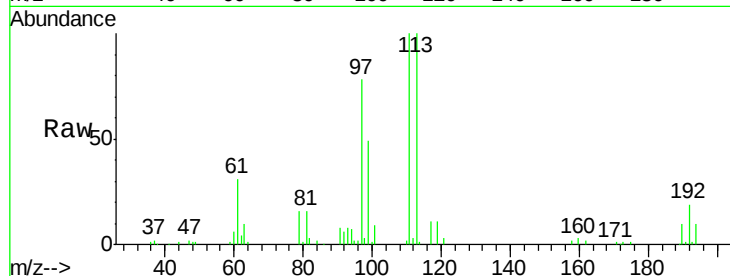




#35
 Dibromofluoromethane
 Concen: 54.423 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

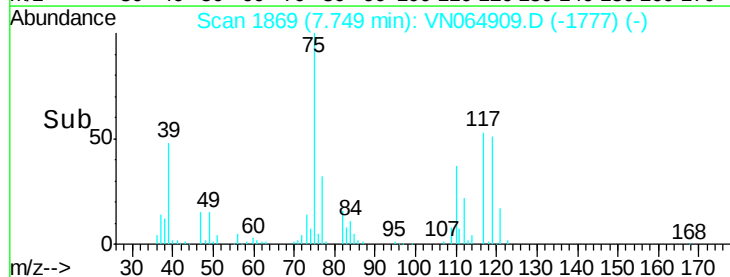
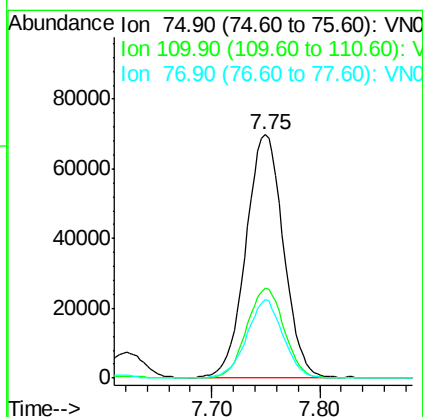
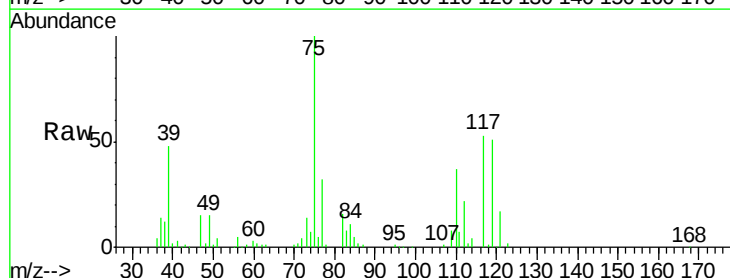
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

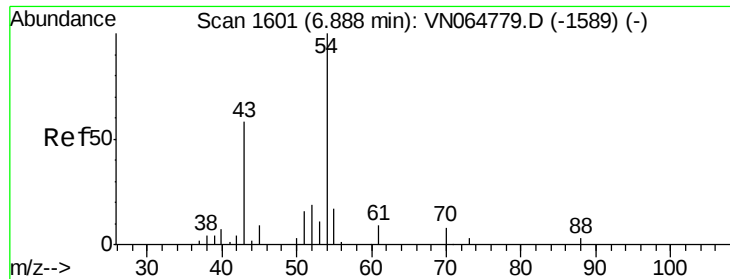
Tot Ion:113 Resp: 117451
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 19.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 50.324 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 75 Resp: 168233
 Ion Ratio Lower Upper
 75 100
 110 37.0 17.8 53.3
 77 31.3 25.0 37.4

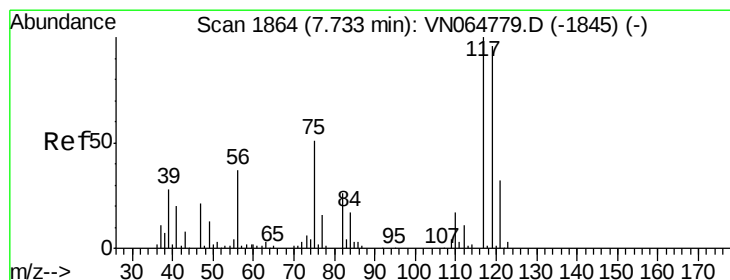
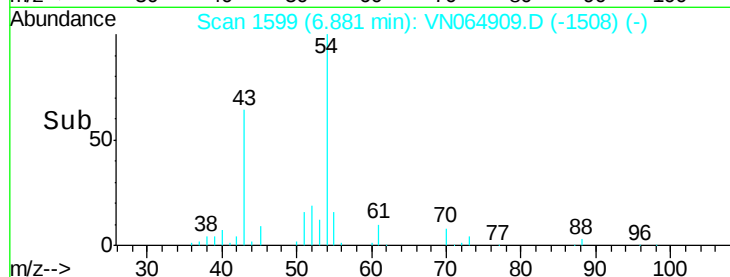
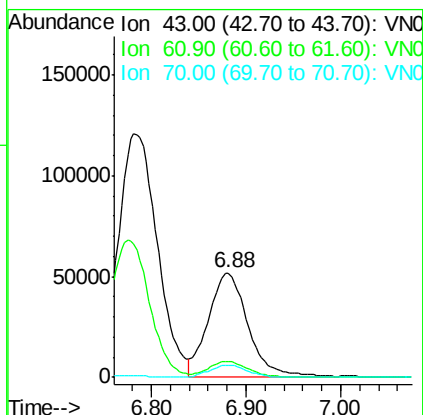
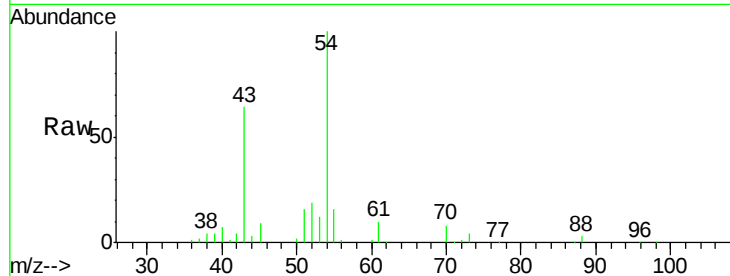




#37
Ethyl Acetate
Concen: 46.268 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

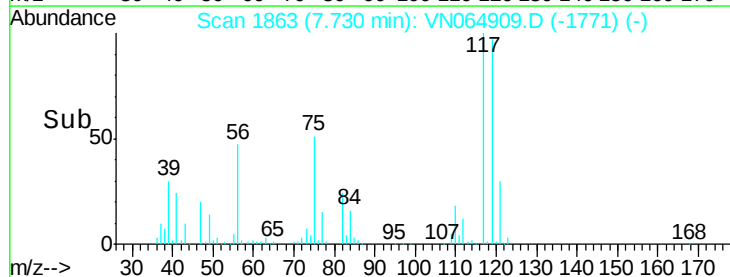
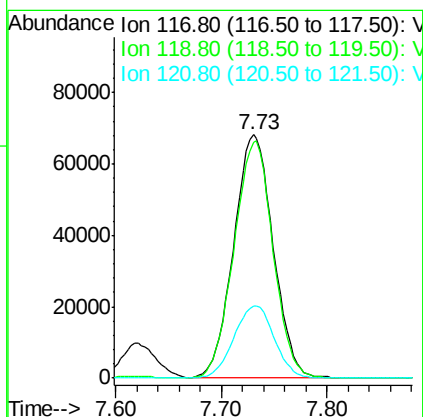
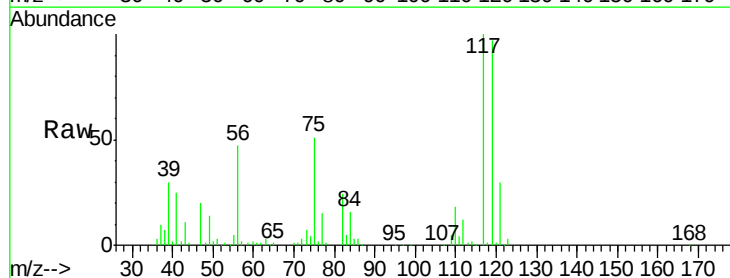
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

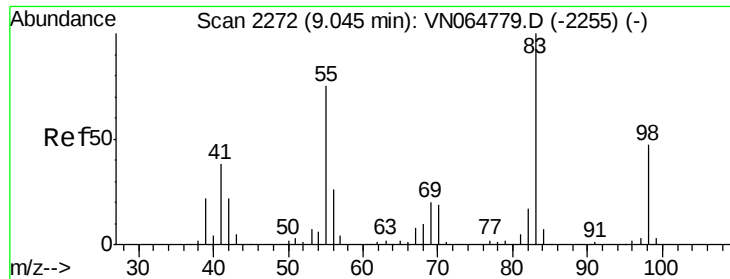
Tot Ion: 43 Resp: 148991
Ion Ratio Lower Upper
43 100
61 15.5 12.8 19.2
70 11.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 51.037 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 117 Resp: 177527
Ion Ratio Lower Upper
117 100
119 97.0 76.7 115.1
121 29.6 25.4 38.2

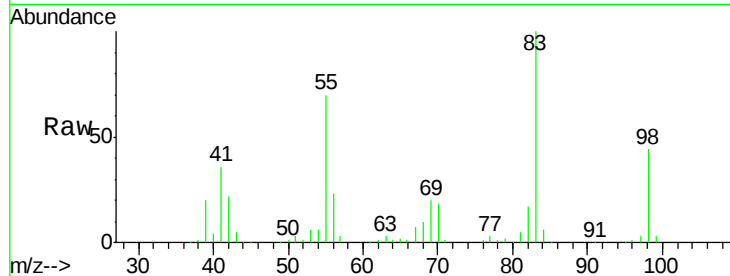




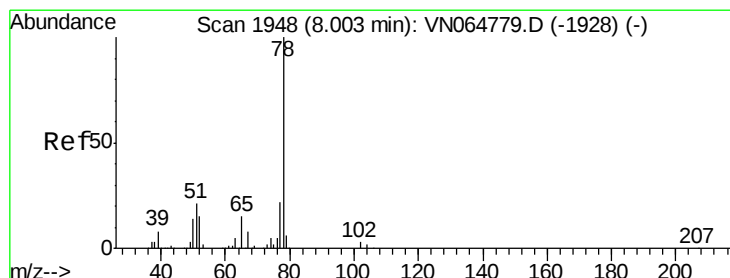
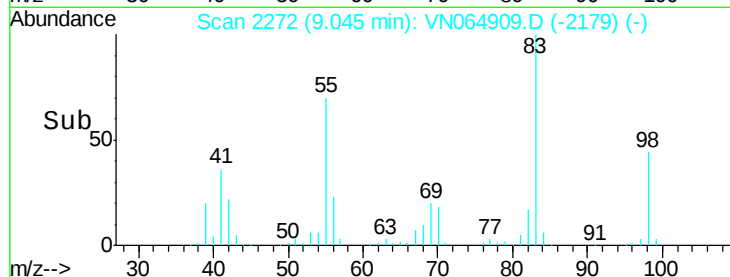
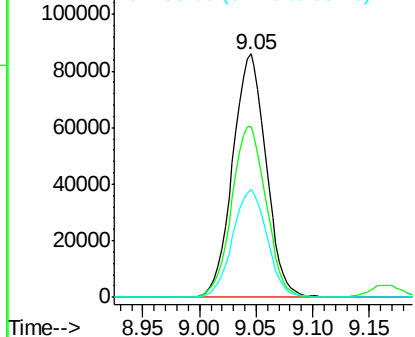
#39
Methvlcvclohexane
Concen: 49.217 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 177120
Ion Ratio Lower Upper
83 100
55 70.2 60.2 90.2
98 44.1 37.4 56.2

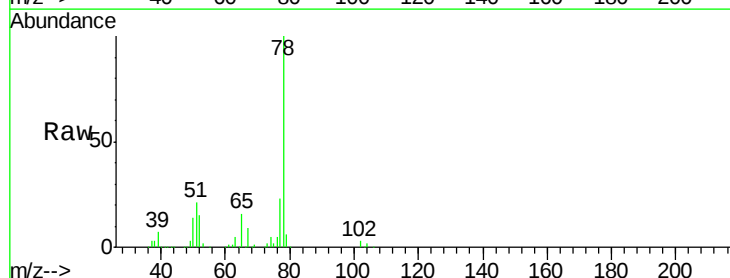


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

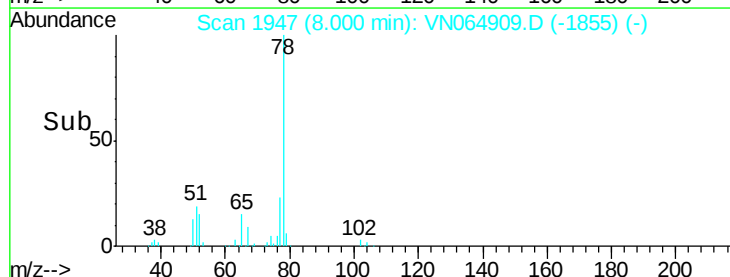
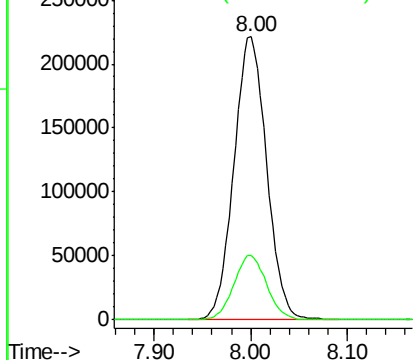


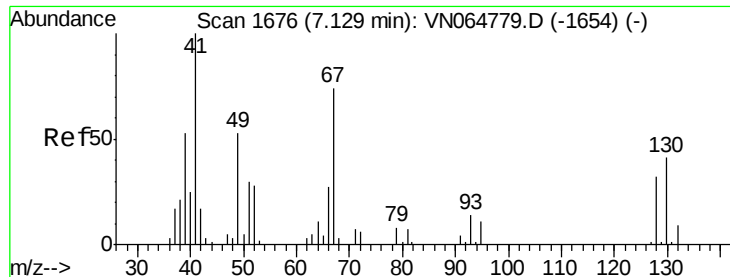
#40
Benzene
Concen: 50.798 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 78 Resp: 520381
Ion Ratio Lower Upper
78 100
77 22.9 17.9 26.9



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

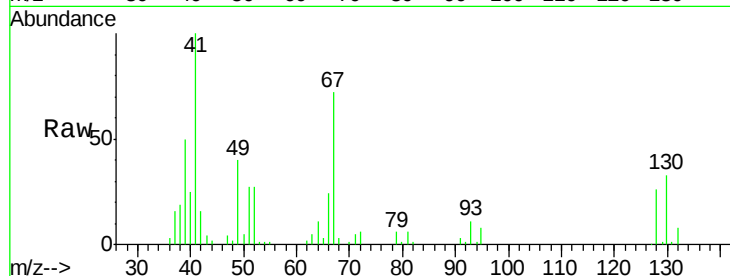




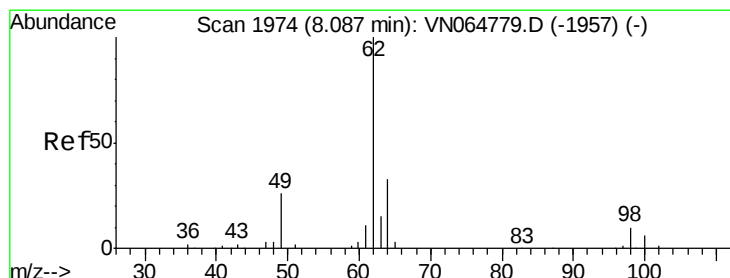
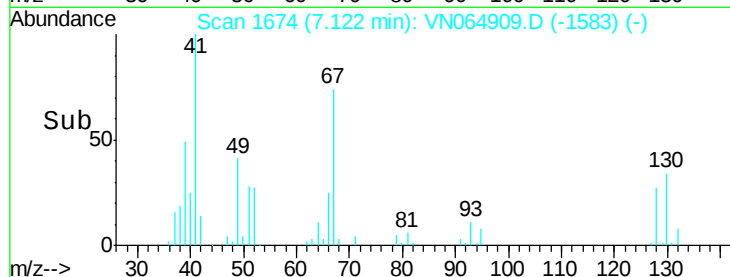
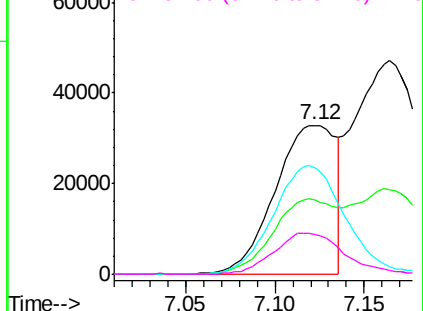
#41
Methacrylonitrile
Concen: 52.412 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 77878
Ion Ratio Lower Upper
41 100
39 51.2 51.0 76.6
67 86.2 79.8 119.8
52 32.1 31.5 47.3

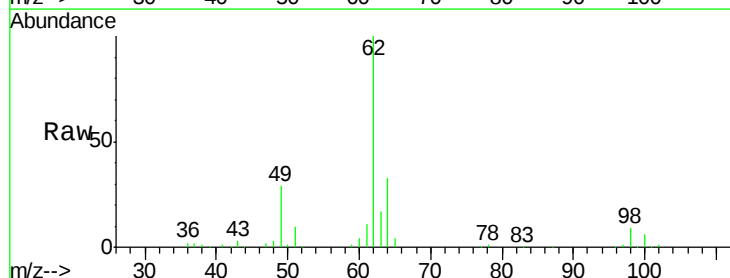


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

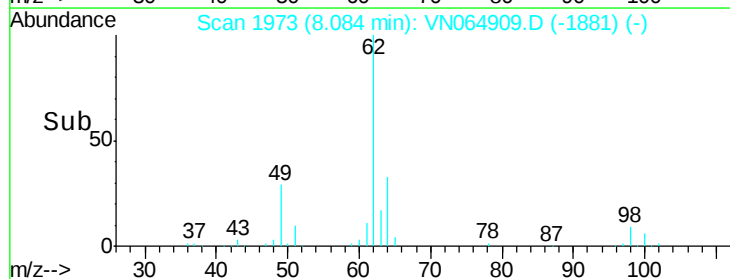
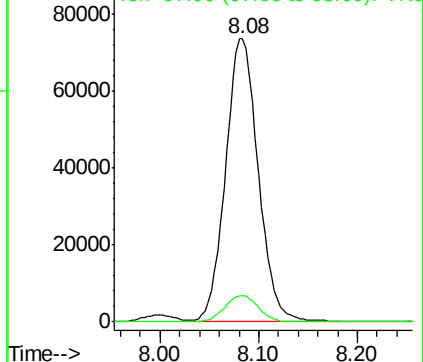


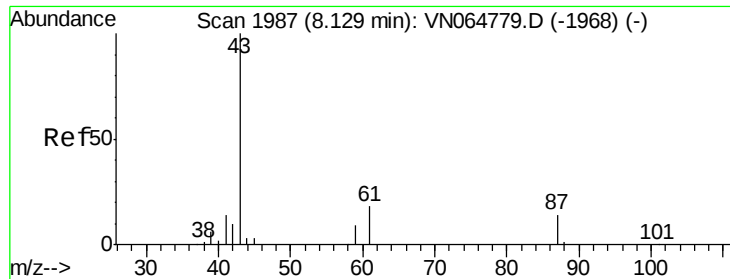
#42
1,2-Dichloroethane
Concen: 49.412 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 62 Resp: 170757
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 48.593 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

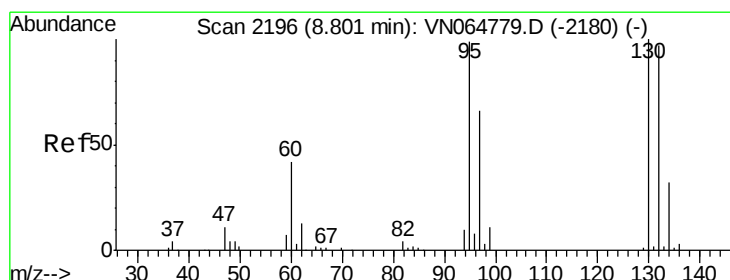
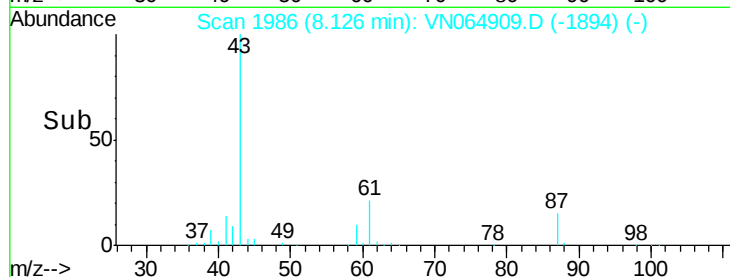
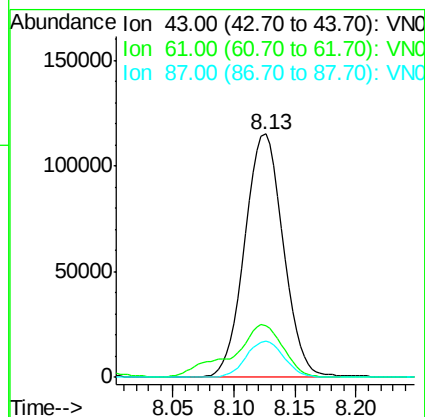
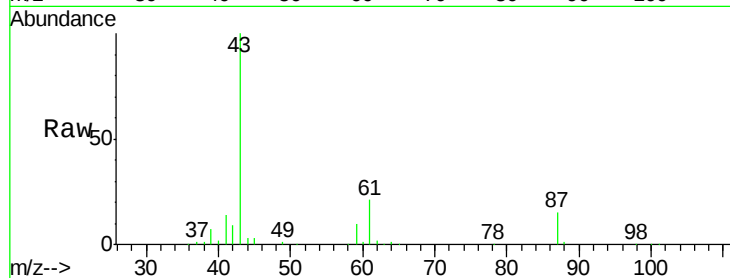
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 251794

Ion	Ratio	Lower	Upper
43	100		
61	29.0	17.2	25.8#
87	14.6	11.4	17.0



#44

Trichloroethene

Concen: 50.187 ug/l

RT: 8.80 min Scan# 2195

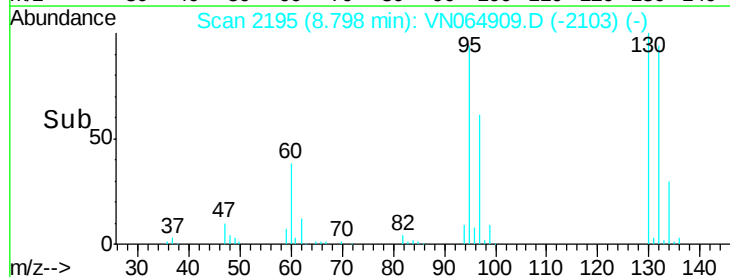
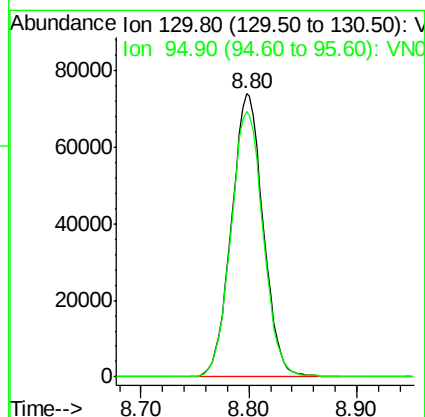
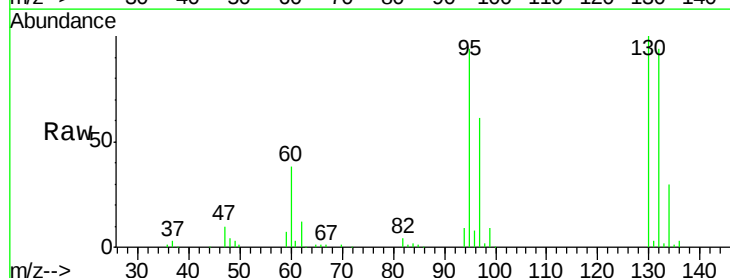
Delta R.T. -0.00 min

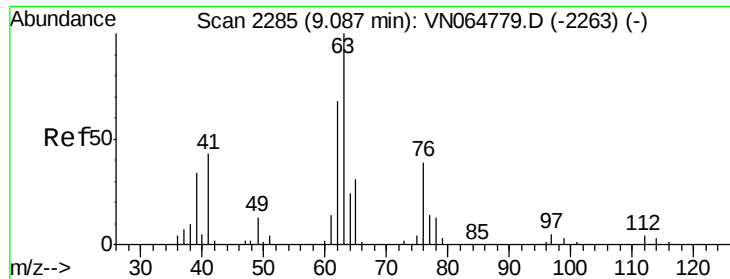
Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion: 130 Resp: 151694

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	197.8

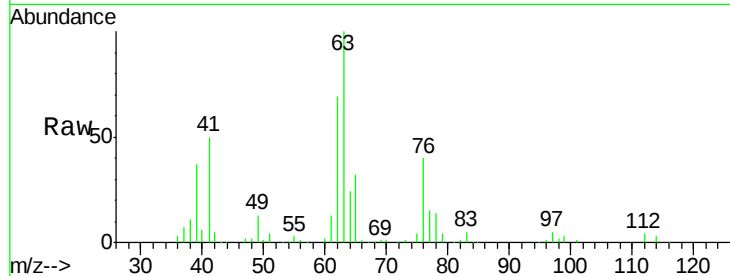




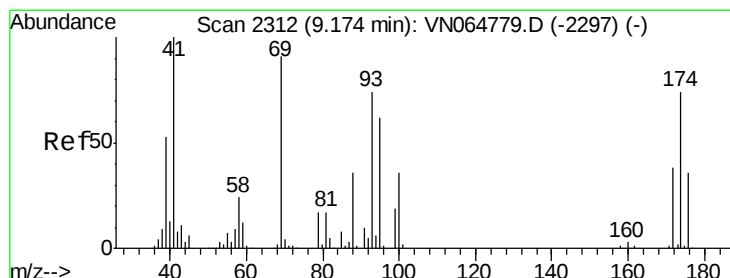
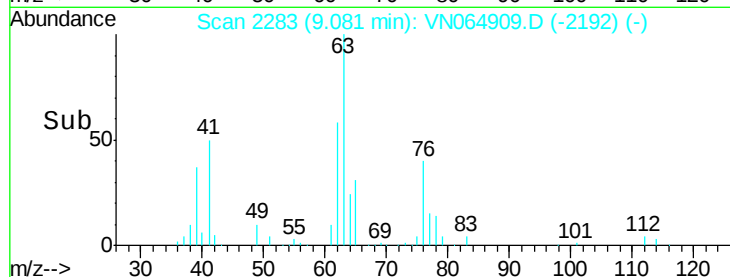
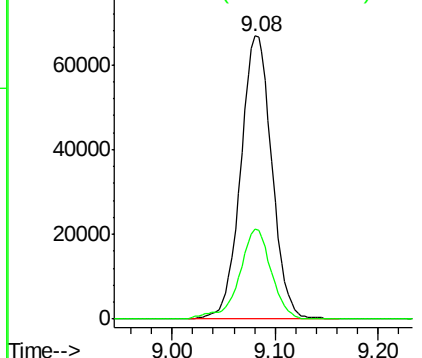
#45
 1,2-Dichloropropane
 Concen: 52.783 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 140029
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

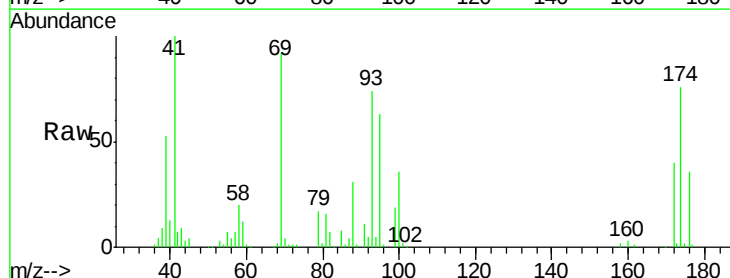


Abundance Ion 62.90 (62.60 to 63.60): VN064909.D (-2192) (-)
 Ion 64.90 (64.60 to 65.60): VN064909.D (-2192) (-)

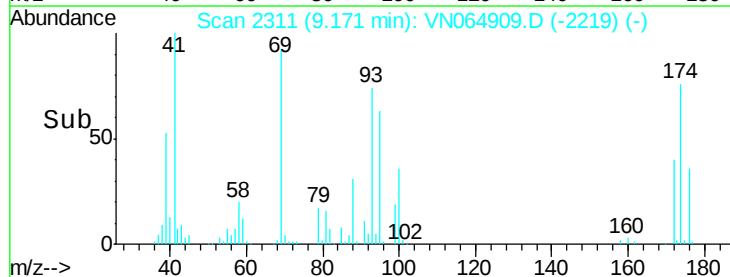
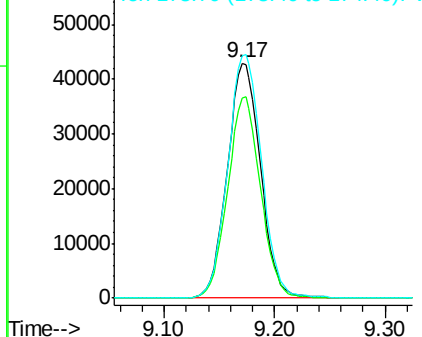


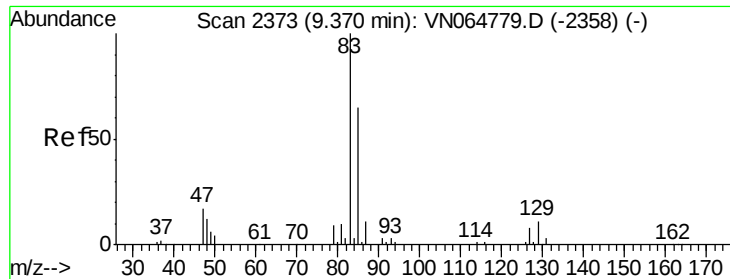
#46
 Dibromomethane
 Concen: 50.563 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 93 Resp: 89614
 Ion Ratio Lower Upper
 93 100
 95 84.5 68.8 103.2
 174 105.3 83.1 124.7



Abundance Ion 92.80 (92.50 to 93.50): VN064909.D (-2219) (-)
 Ion 94.80 (94.50 to 95.50): VN064909.D (-2219) (-)
 Ion 173.70 (173.40 to 174.40): VN064909.D (-2219) (-)





#47

Bromodichloromethane

Concen: 52.010 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

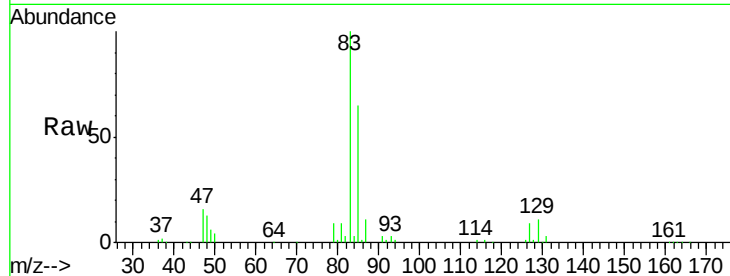
Tot Ion: 83 Resp: 185472

Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.8

127 9.3 6.8 10.2

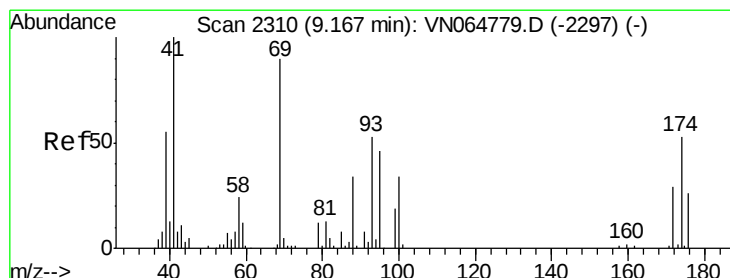
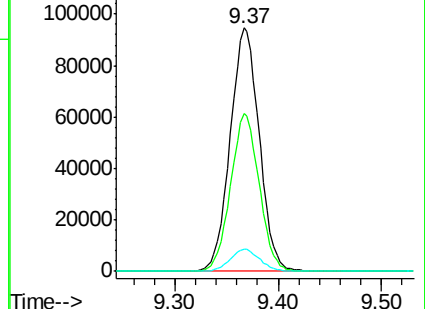
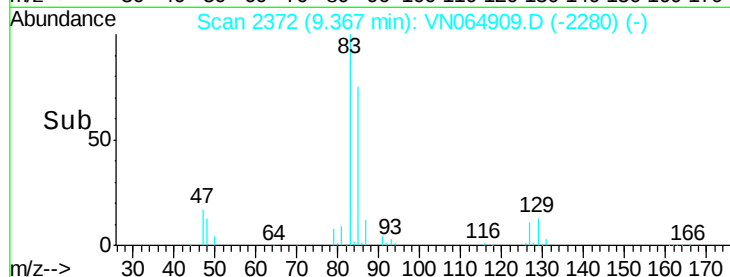


Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-2358) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-2358) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2358) (-)

Time-->



#48

Methyl methacrylate

Concen: 49.745 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

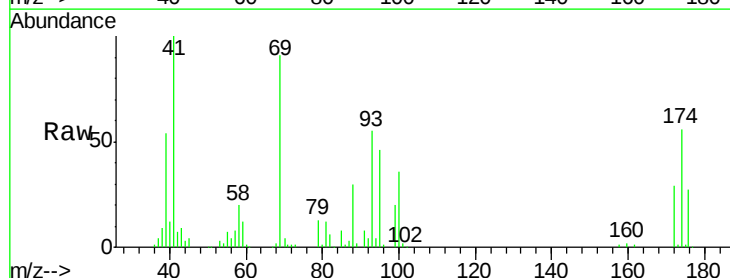
Tgt Ion: 41 Resp: 123169

Ion Ratio Lower Upper

41 100

69 92.0 71.8 107.8

39 54.3 44.1 66.1

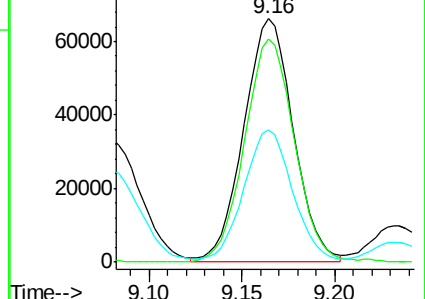
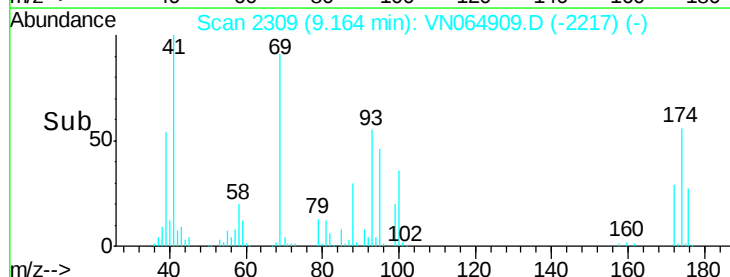


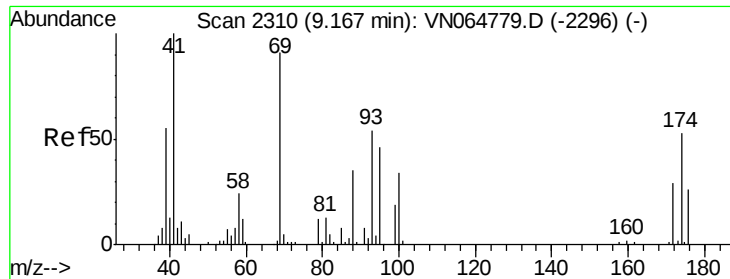
Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2297) (-)

Time-->

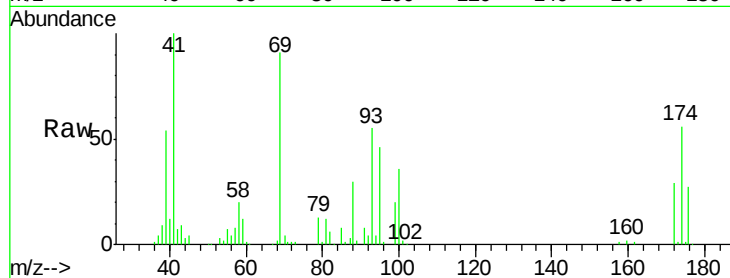




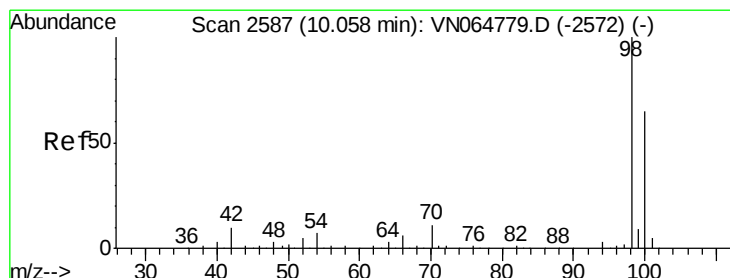
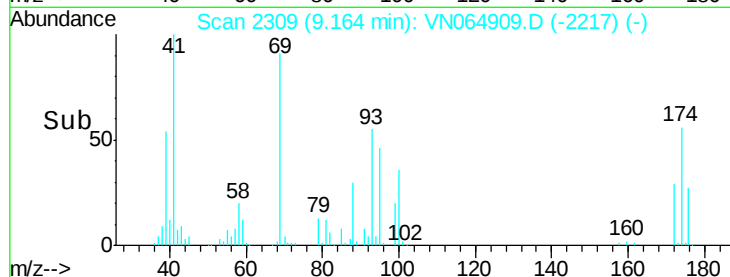
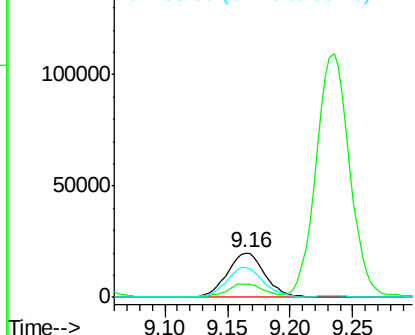
#49
1,4-Dioxane
Concen: 886.893 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 41504
Ion Ratio Lower Upper
88 100
43 29.8 24.2 36.4
58 66.8 52.5 78.7

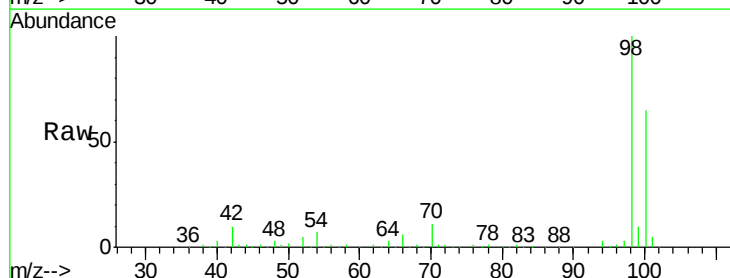


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

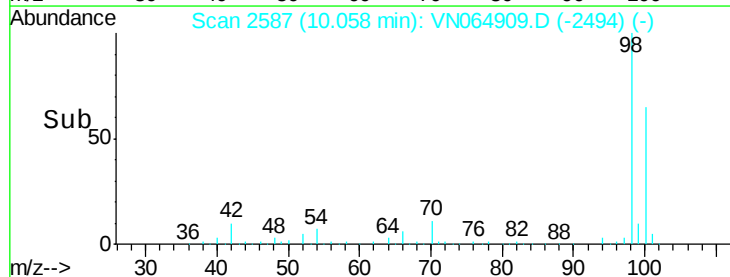
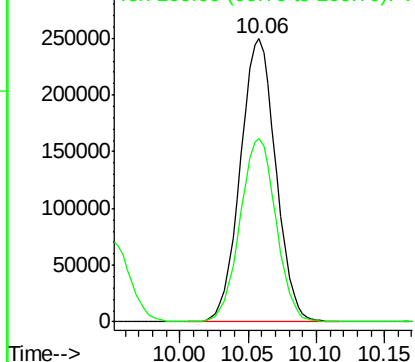


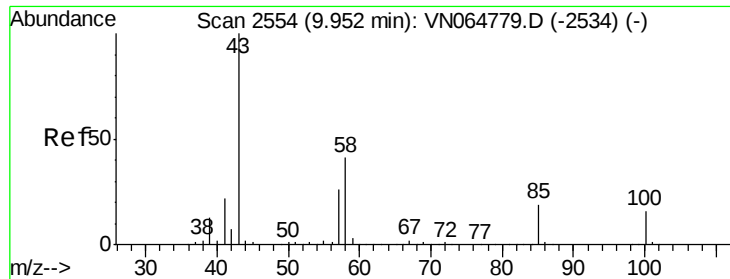
#50
Toluene-d8
Concen: 51.148 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 98 Resp: 451018
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



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: 244.609 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

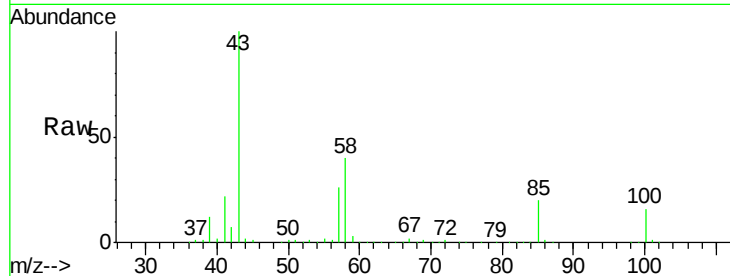
VSTDCCC050

Tot Ion: 43 Resp: 760937

Ion Ratio Lower Upper

43 100

58 40.6 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

400000

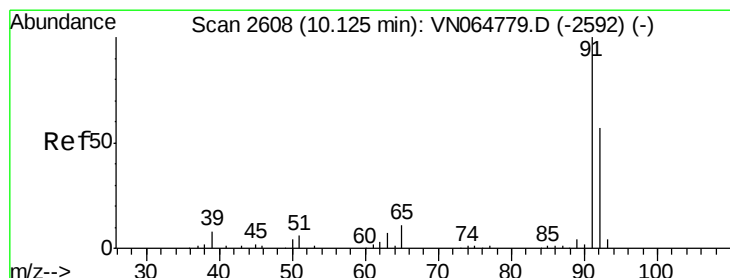
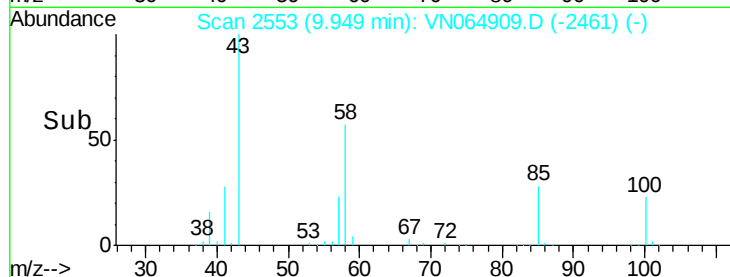
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.261 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064909.D

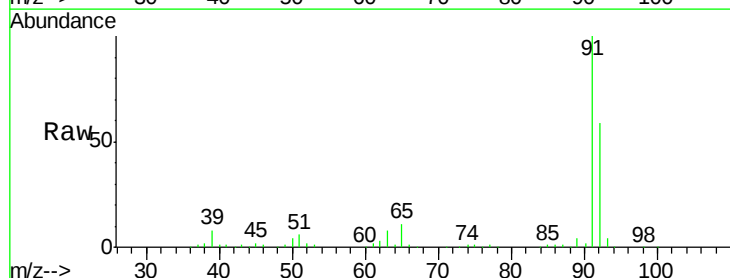
Acq: 4 Dec 2020 10:51

Tgt Ion: 92 Resp: 329700

Ion Ratio Lower Upper

92 100

91 172.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

10.12

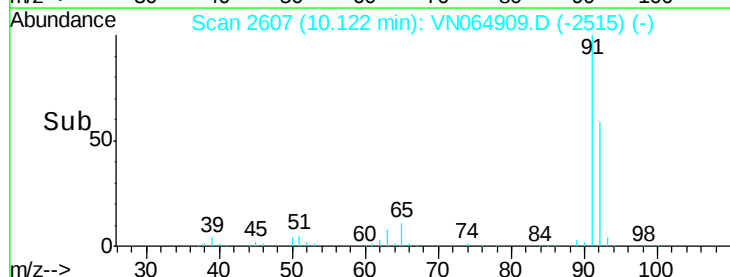
300000

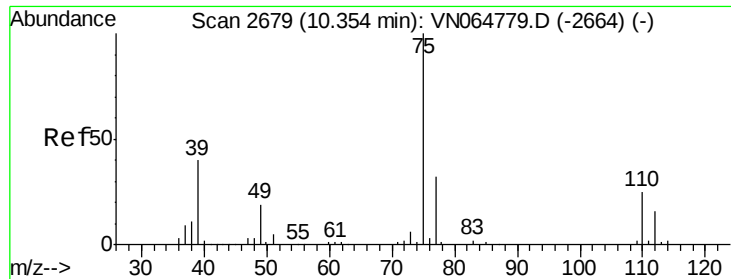
200000

100000

0

Time-->

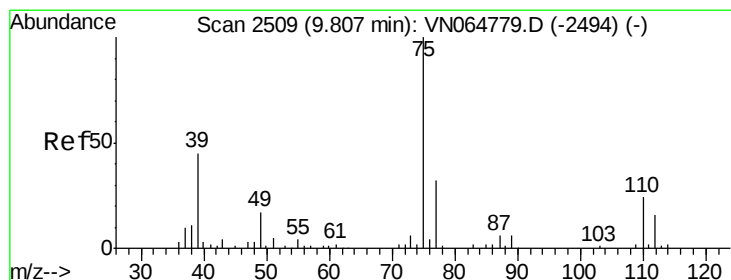
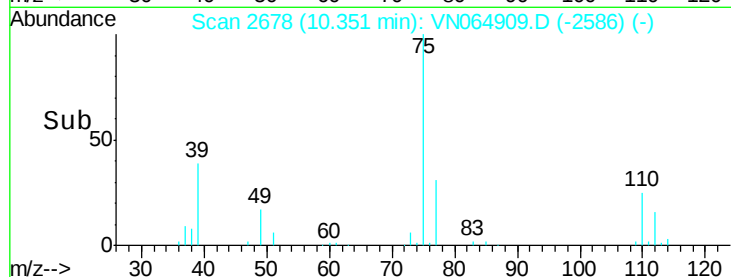
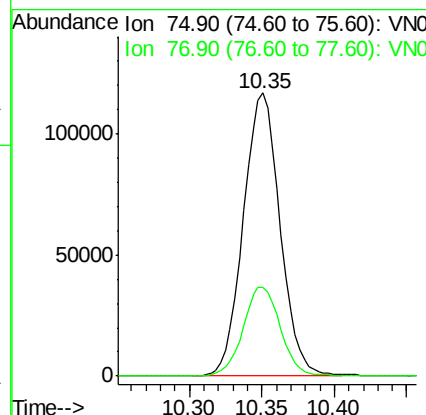
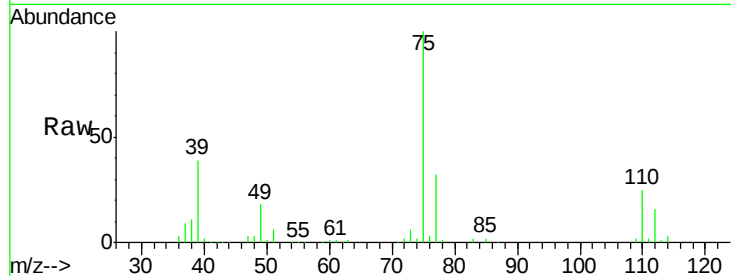




#53
t-1,3-Dichloropropene
Concen: 51.850 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

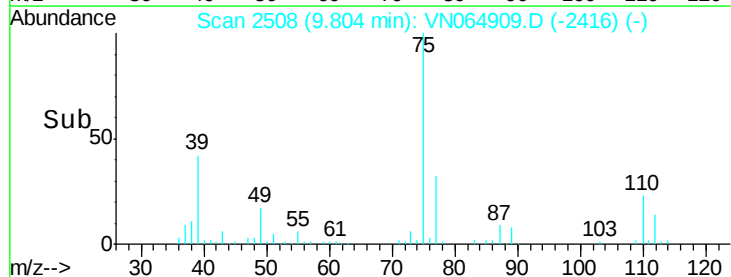
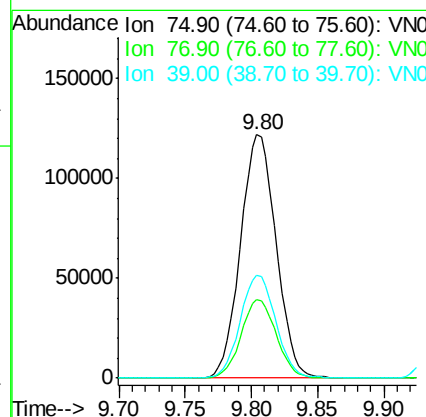
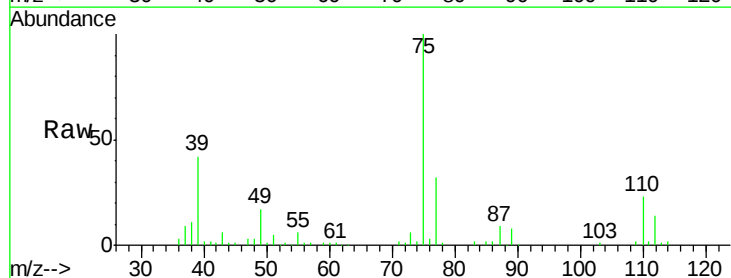
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

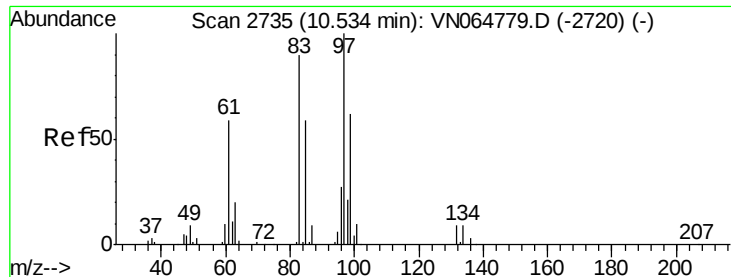
Tot Ion: 75 Resp: 205946
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 53.536 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 75 Resp: 227921
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3
39 42.3 35.6 53.4

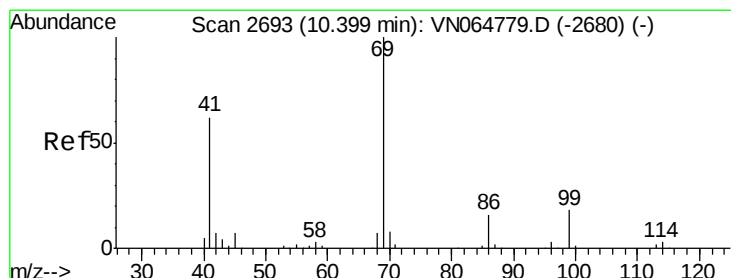
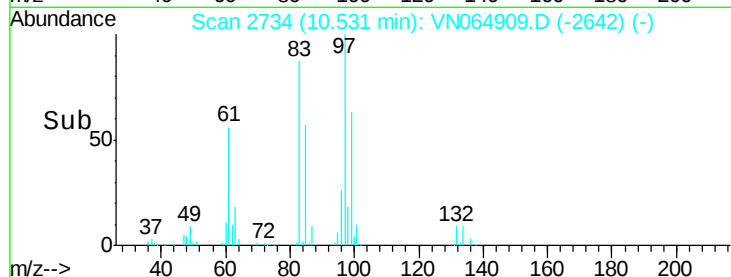
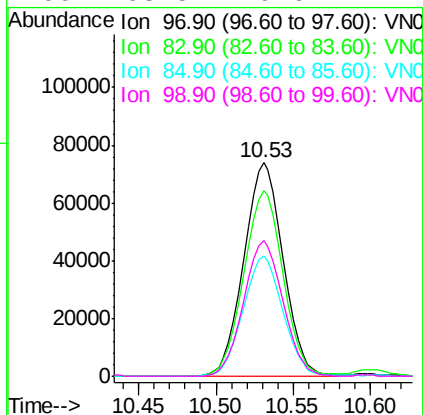
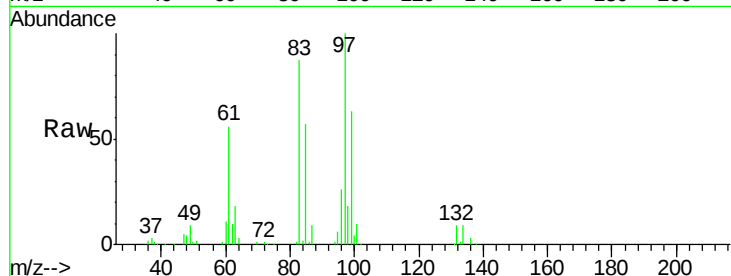




#55
 1,1,2-Trichloroethane
 Concen: 50.457 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

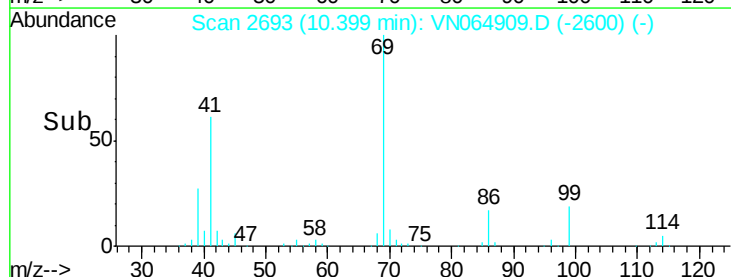
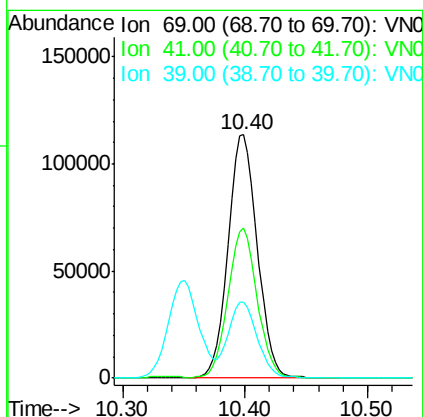
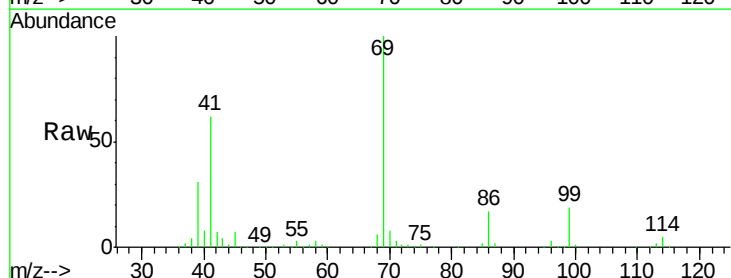
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

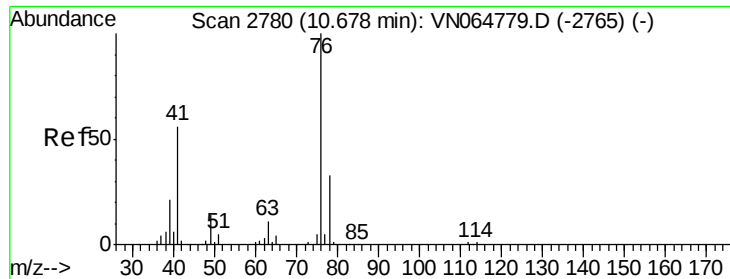
Tot Ion: 97 Resp: 130898
 Ion Ratio Lower Upper
 97 100
 83 86.8 72.1 108.1
 85 56.5 46.8 70.2
 99 63.5 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 53.126 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 69 Resp: 190188
 Ion Ratio Lower Upper
 69 100
 41 60.7 49.4 74.0
 39 30.3 25.9 38.9





#57

1,3-Dichloropropane

Concen: 50.677 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

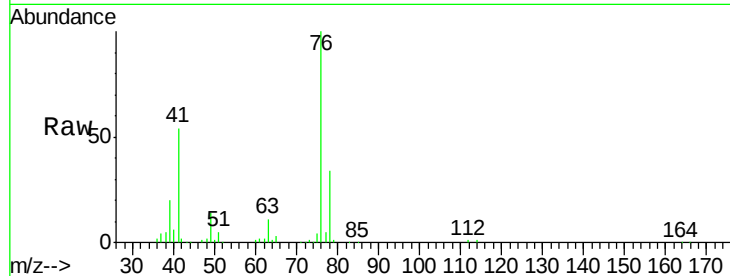
VSTDCCC050

Tot Ion: 76 Resp: 216865

Ion Ratio Lower Upper

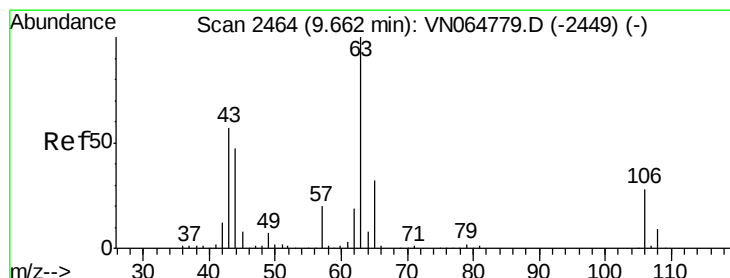
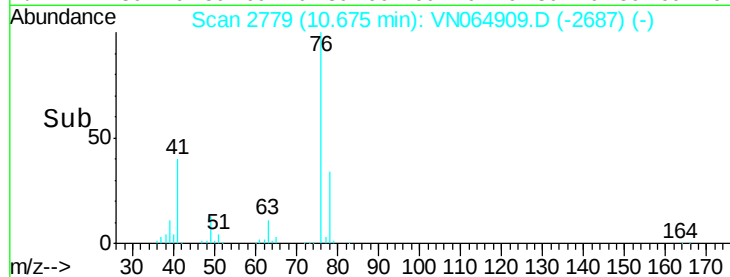
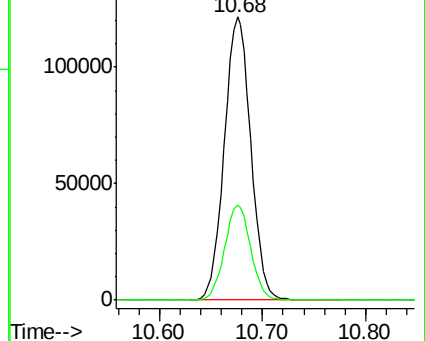
76 100

78 33.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 240.493 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064909.D

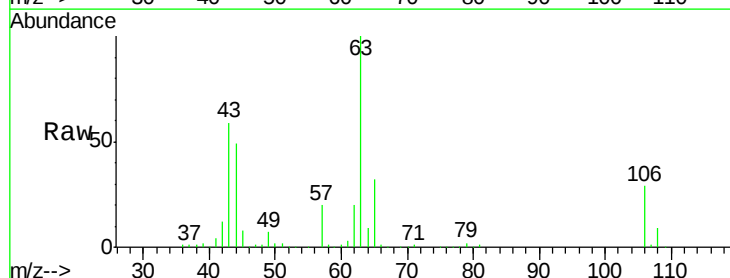
Acq: 4 Dec 2020 10:51

Tgt Ion: 63 Resp: 473581

Ion Ratio Lower Upper

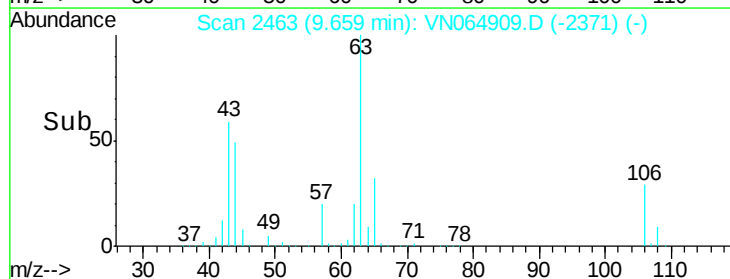
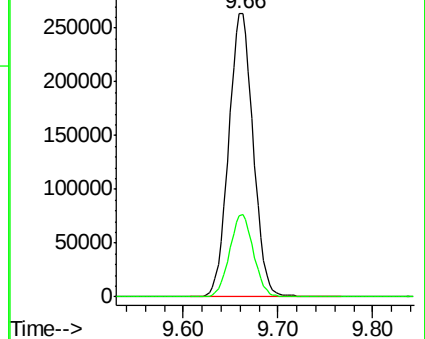
63 100

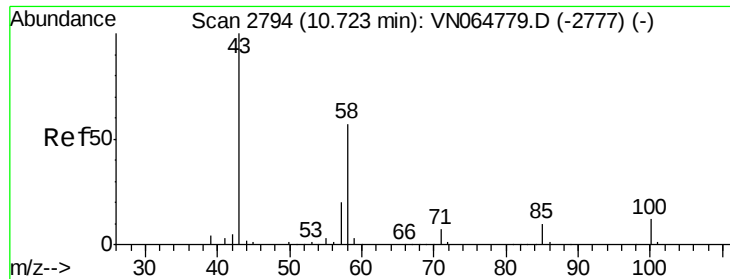
106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

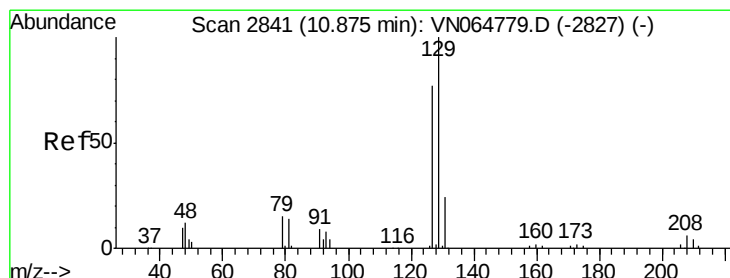
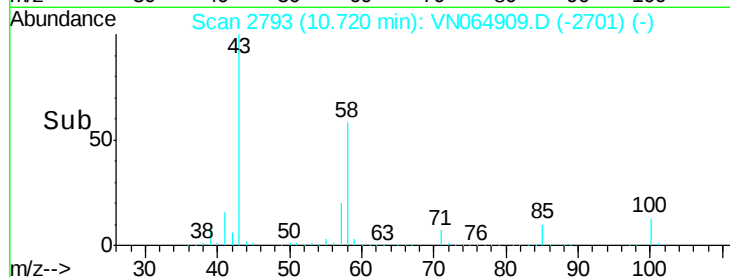
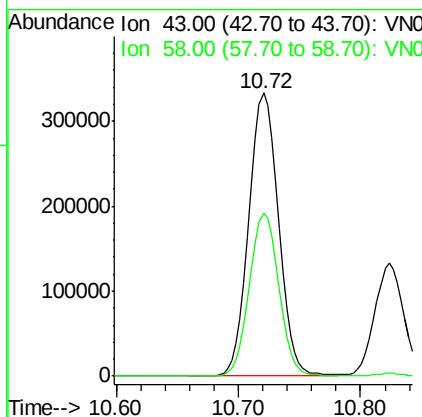
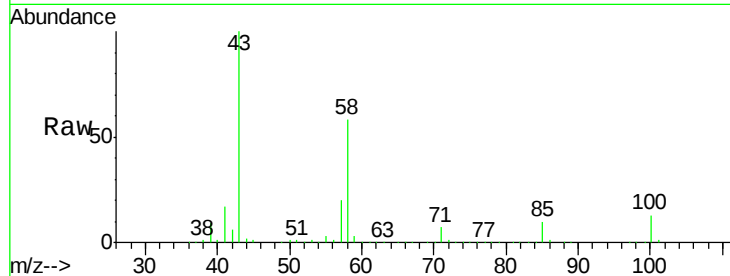




#59
2-Hexanone
Concen: 249.996 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

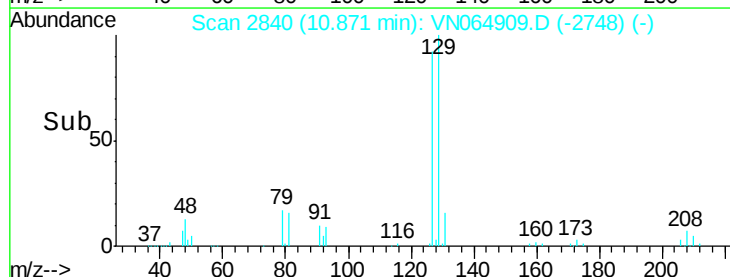
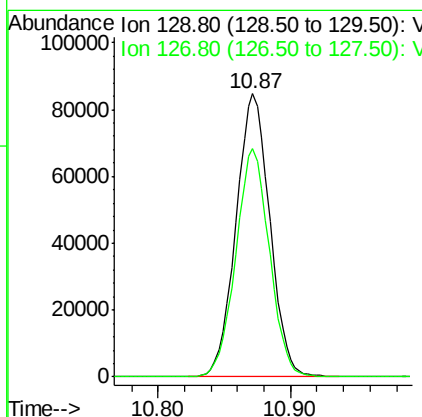
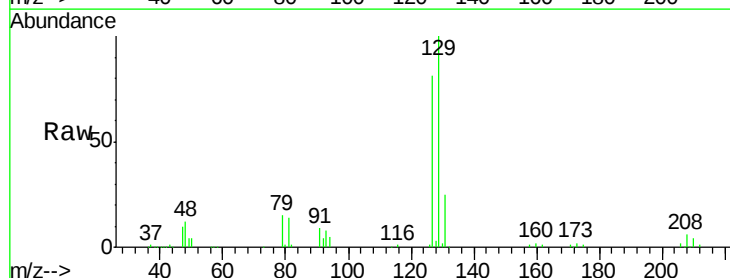
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

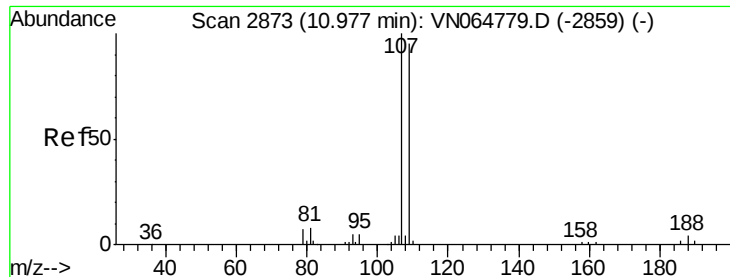
Tot Ion: 43 Resp: 559696
Ion Ratio Lower Upper
43 100
58 57.0 28.3 84.9



#60
Dibromochloromethane
Concen: 52.137 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 129 Resp: 150347
Ion Ratio Lower Upper
129 100
127 80.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.659 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

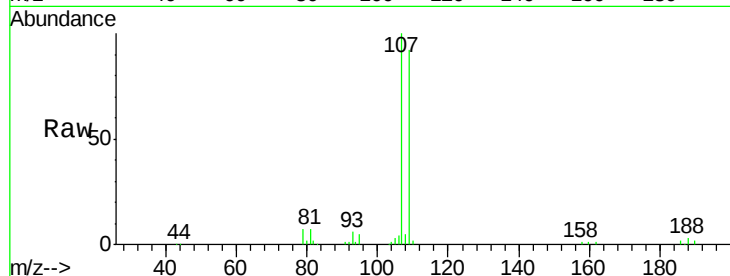
VSTDCCC050

Tot Ion: 107 Resp: 136155

Ion Ratio Lower Upper

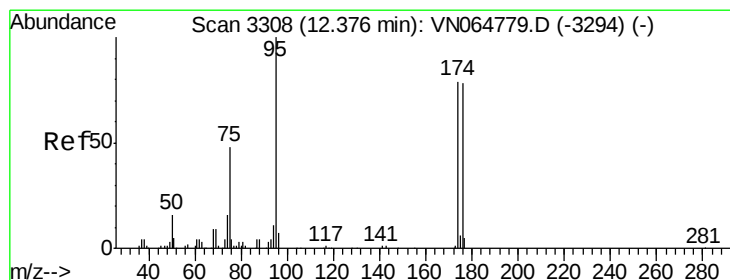
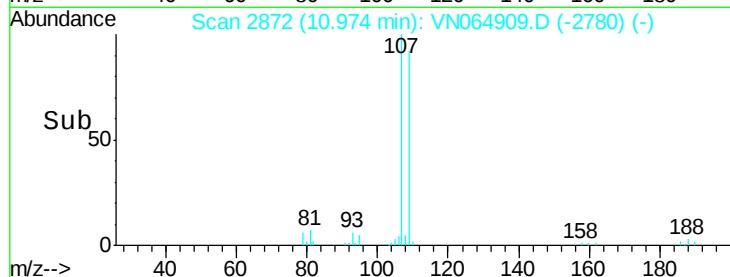
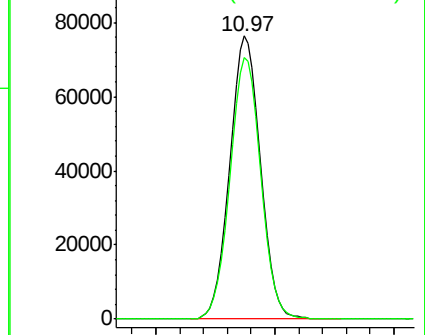
107 100

109 93.0 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.162 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

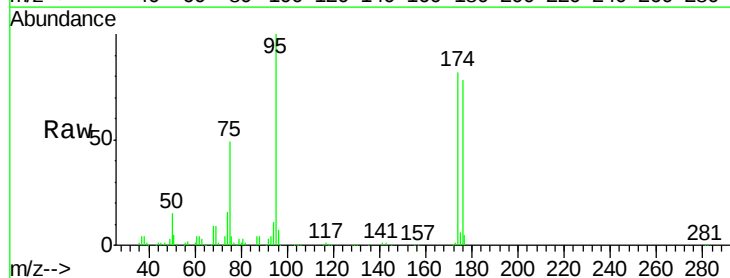
Tgt Ion: 95 Resp: 161454

Ion Ratio Lower Upper

95 100

174 83.7 0.0 160.4

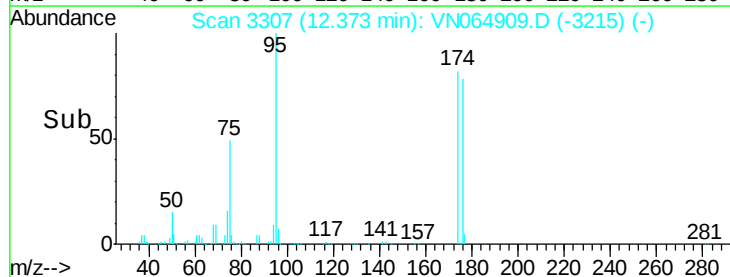
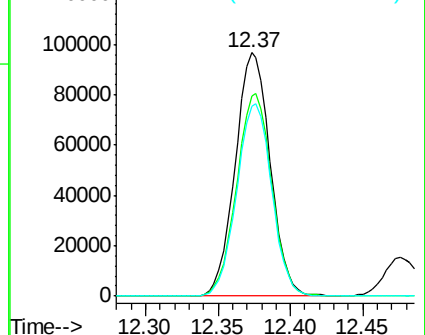
176 79.3 0.0 158.4

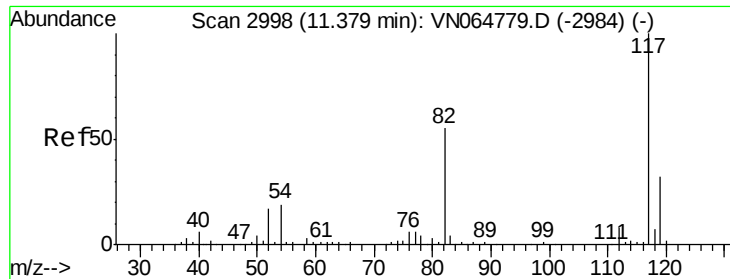


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

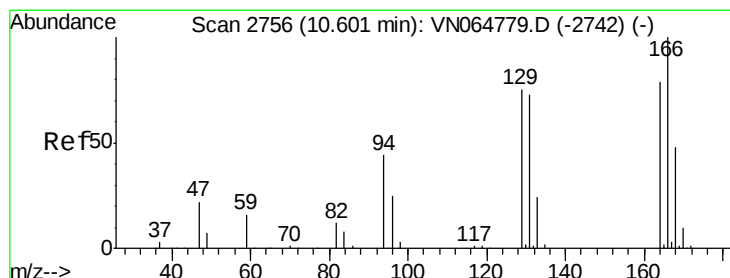
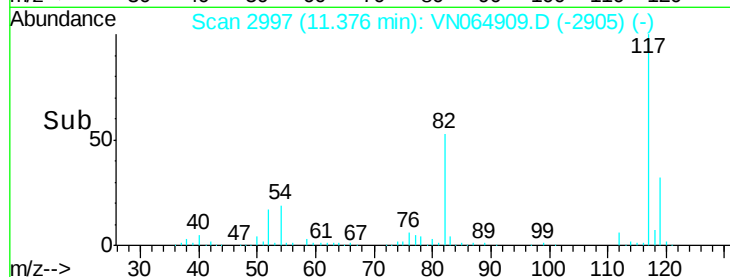
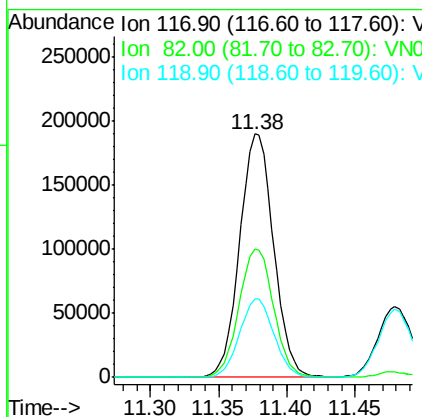
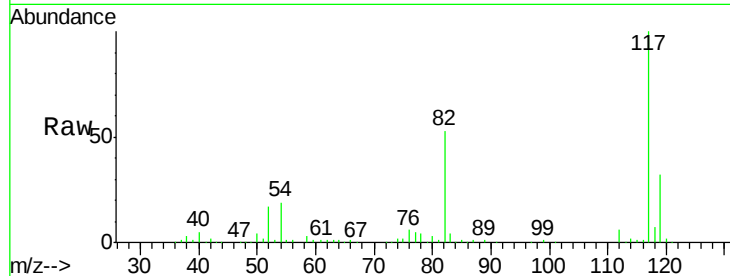




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

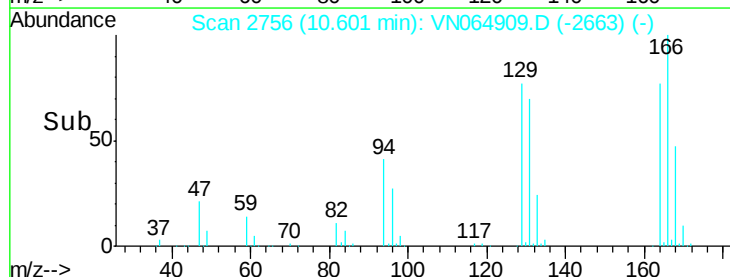
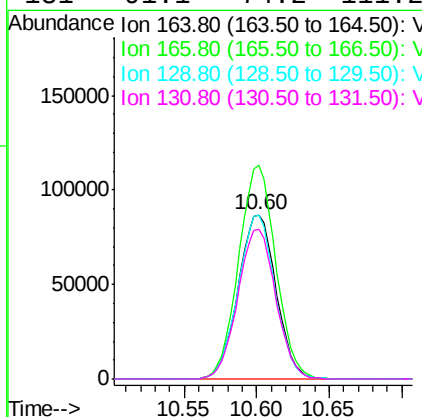
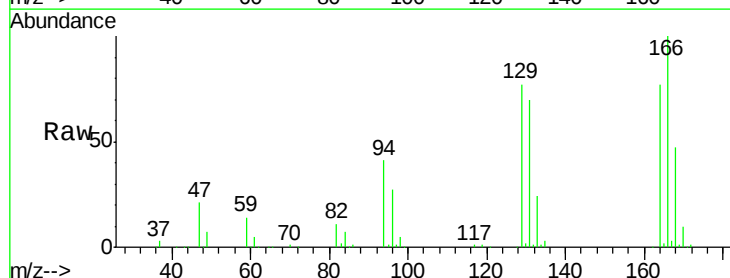
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

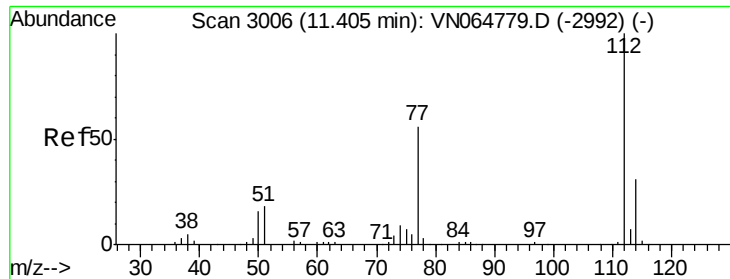
Tot Ion:117 Resp: 328734
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 49.287 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion:164 Resp: 157634
Ion Ratio Lower Upper
164 100
166 130.3 101.4 152.0
129 100.0 76.1 114.1
131 91.1 74.2 111.2

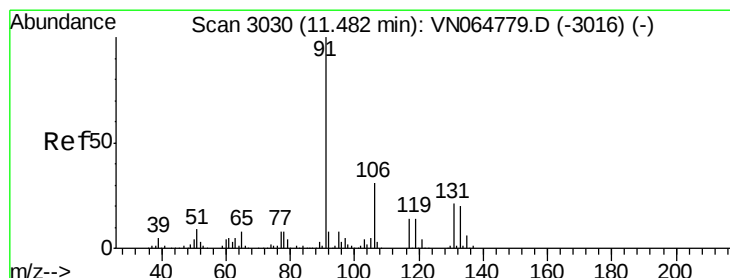
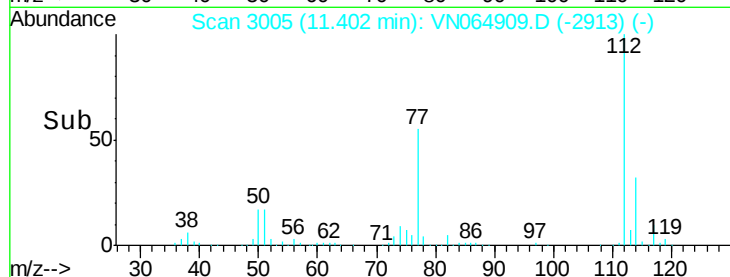
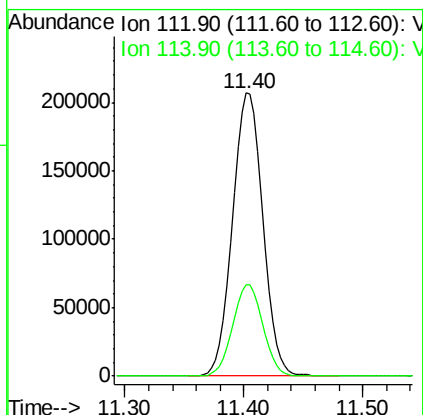
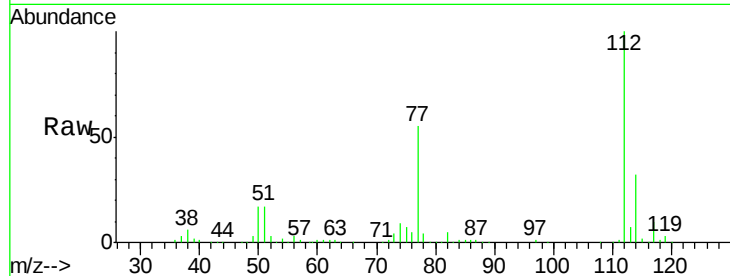




#65
Chlorobenzene
Concen: 51.807 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

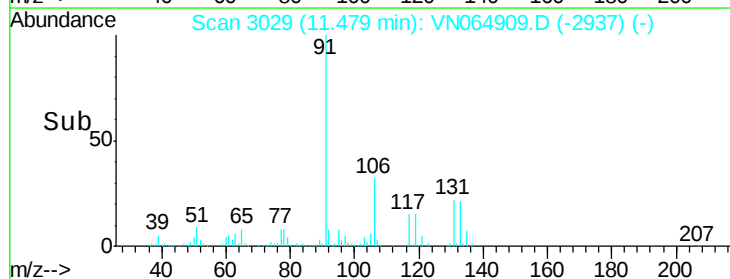
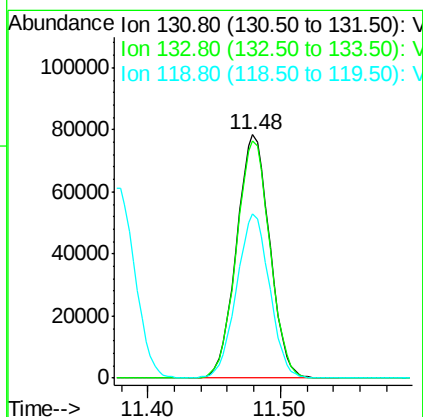
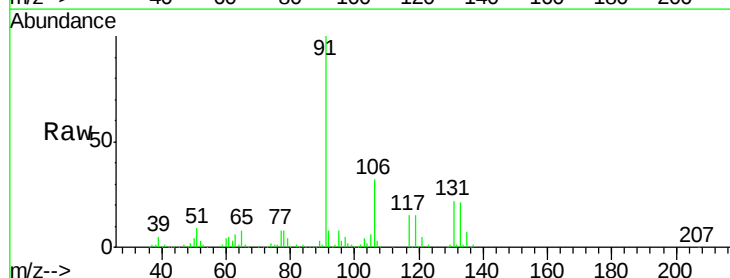
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

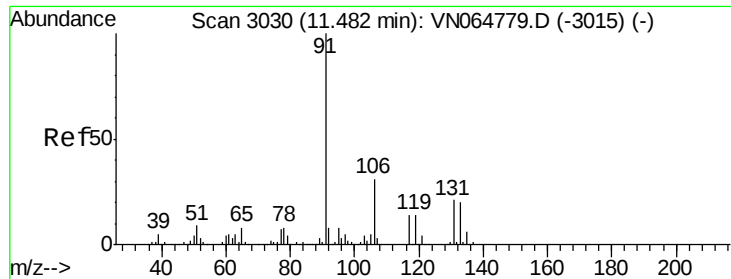
Tot Ion:112 Resp: 365729
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.455 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion:131 Resp: 136089
Ion Ratio Lower Upper
131 100
133 98.4 47.5 142.5
119 67.3 33.3 99.8

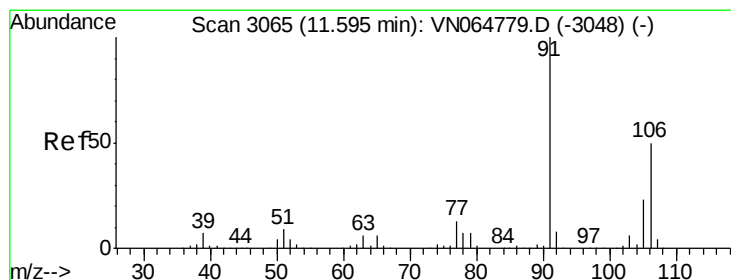
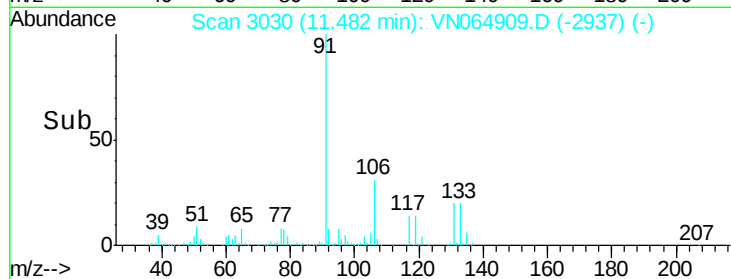
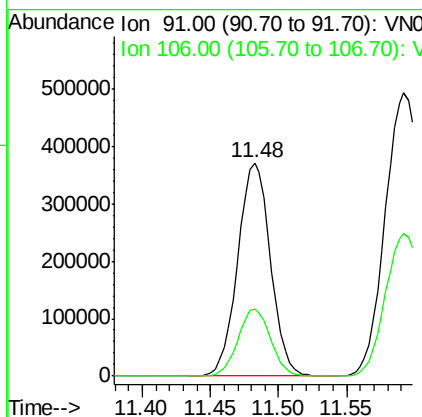
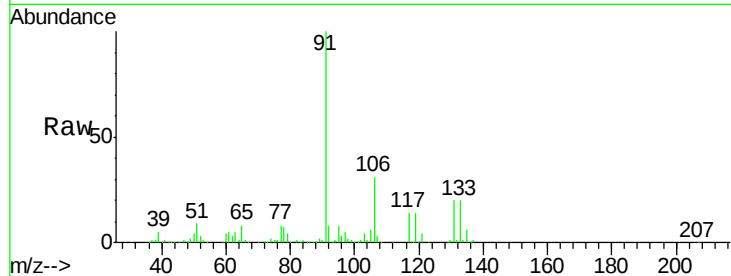




#67
Ethyl Benzene
Concen: 52.348 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

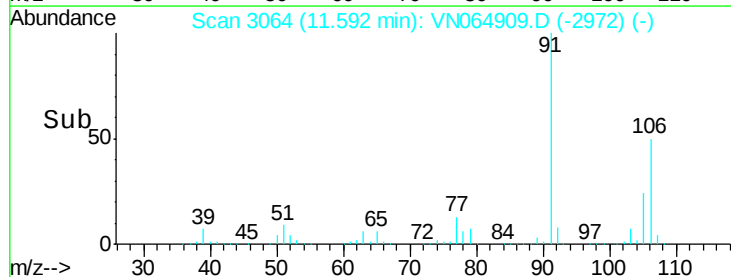
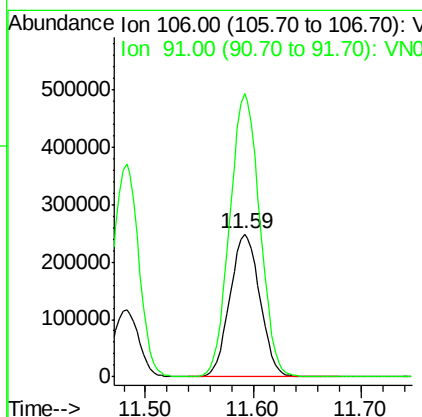
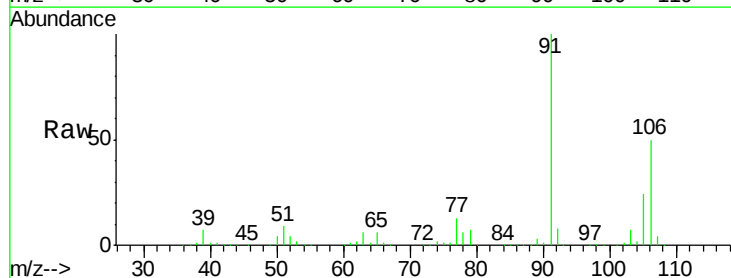
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

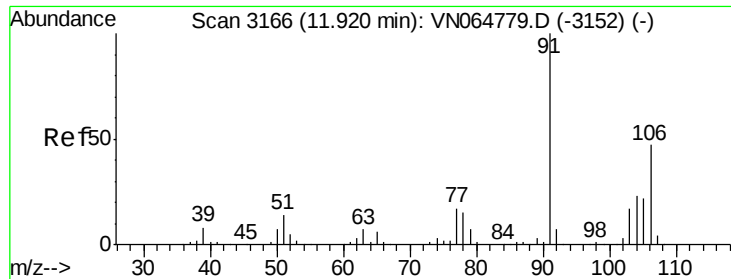
Tot Ion: 91 Resp: 617353
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 108.000 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 106 Resp: 482224
Ion Ratio Lower Upper
106 100
91 198.5 161.0 241.4

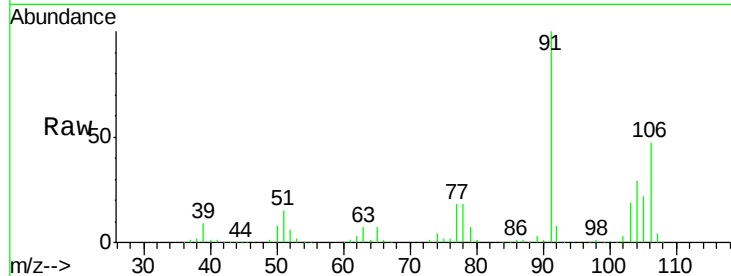




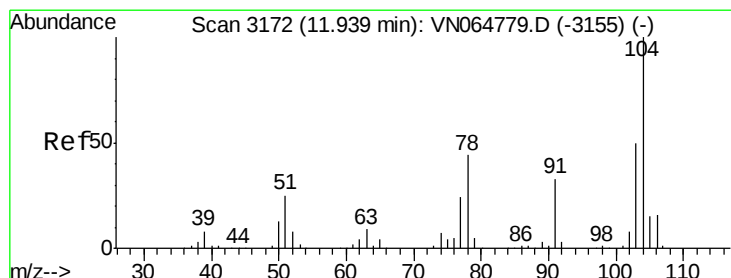
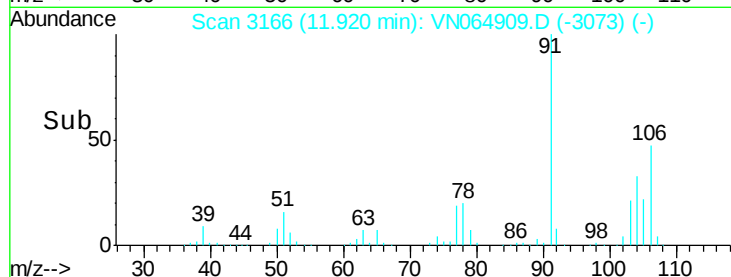
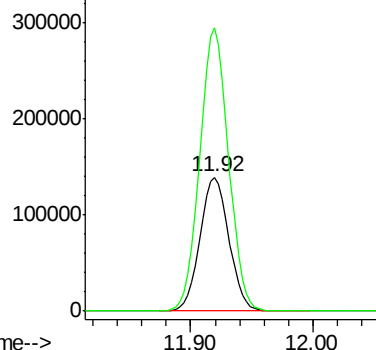
#69
o-Xylene
Concen: 54.580 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 231261
Ion Ratio Lower Upper
106 100
91 209.5 105.5 316.5

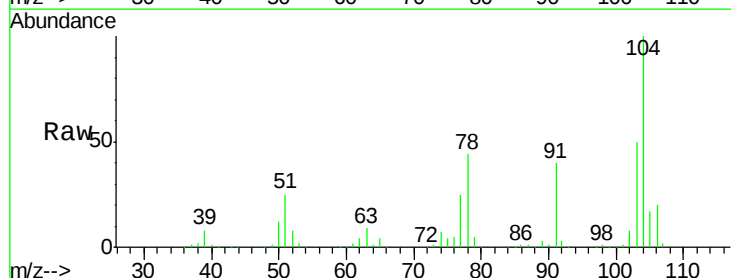


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

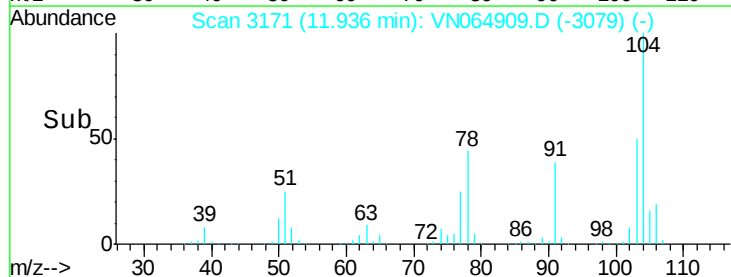
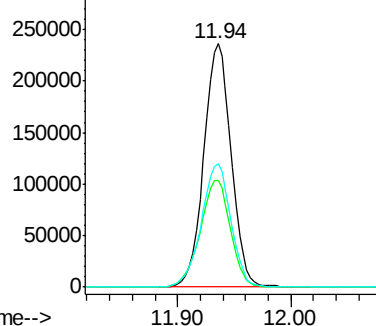


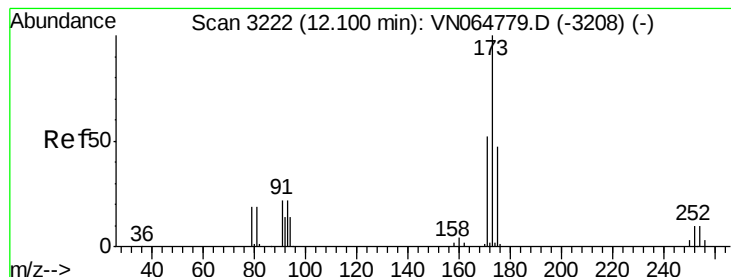
#70
Styrene
Concen: 55.652 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion:104 Resp: 398074
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.6
103 54.5 44.3 66.5



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





#71

Bromoform

Concen: 51.051 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

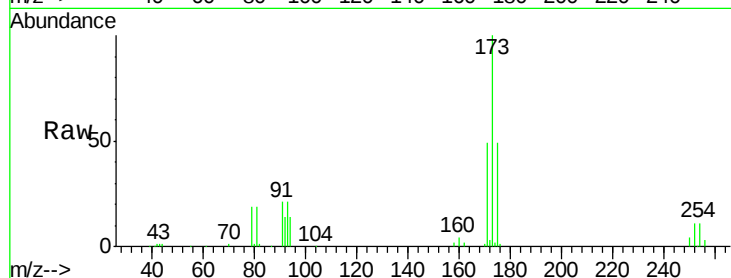
Tot Ion:173 Resp: 105784

Ion Ratio Lower Upper

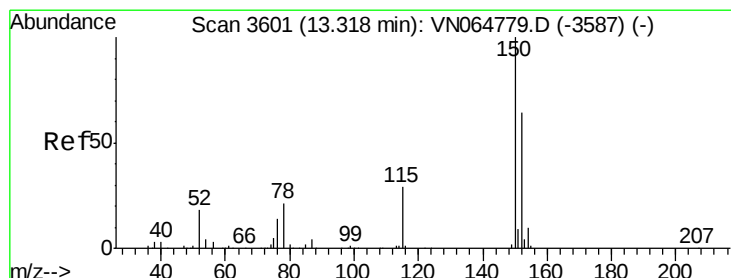
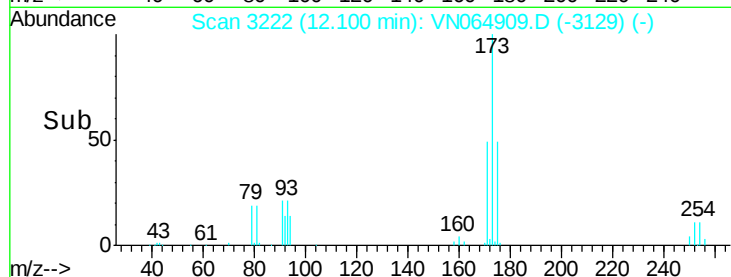
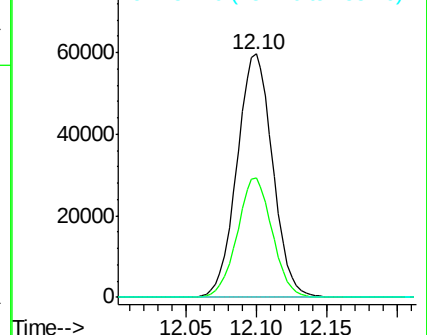
173 100

175 48.0 24.3 72.8

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: VN064909.D

Acq: 4 Dec 2020 10:51

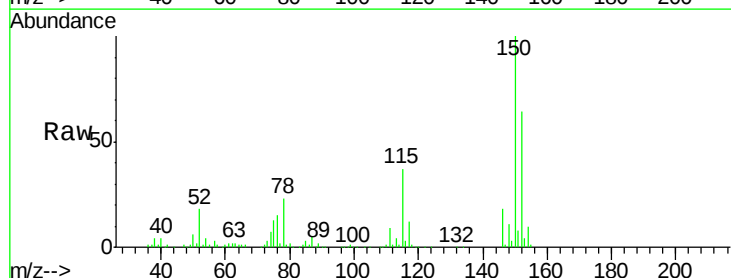
Tgt Ion:152 Resp: 162330

Ion Ratio Lower Upper

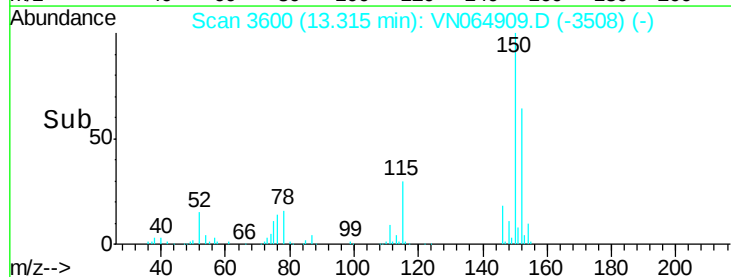
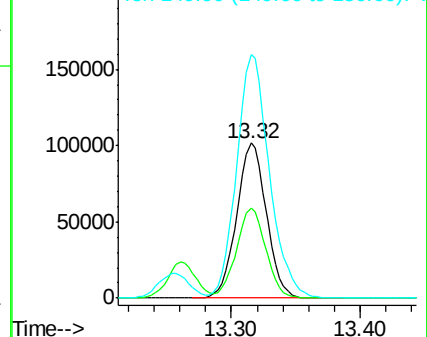
152 100

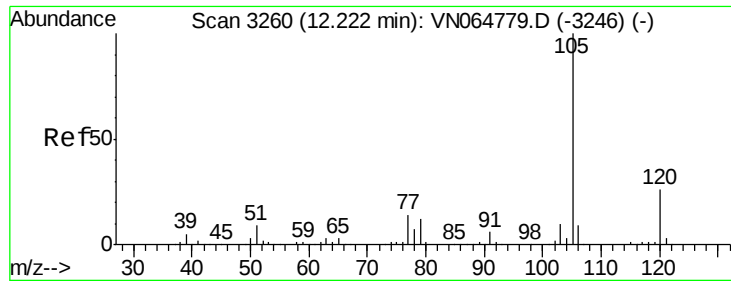
115 57.2 29.7 89.1

150 173.9 0.0 350.6



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: 53.448 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

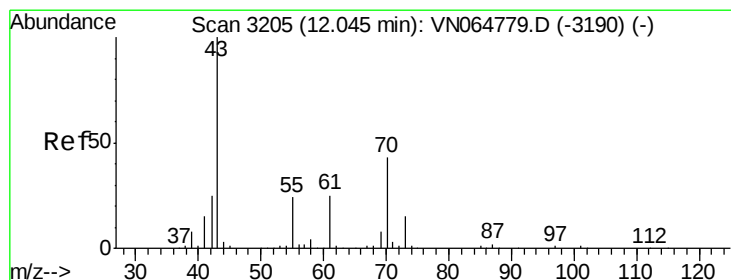
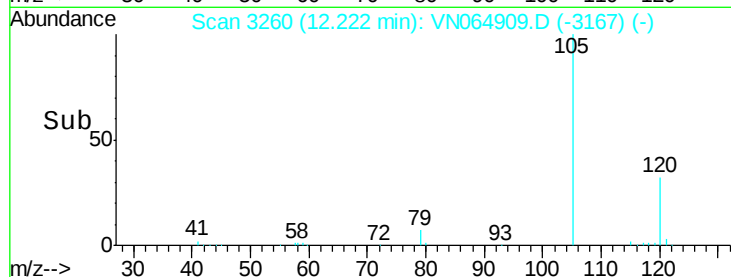
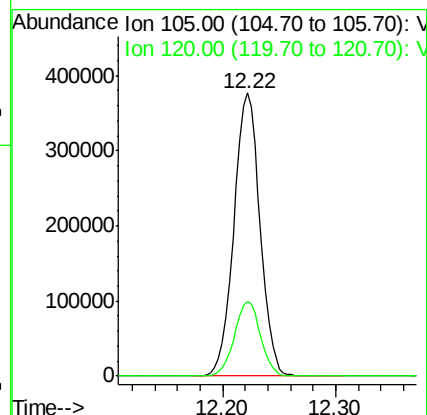
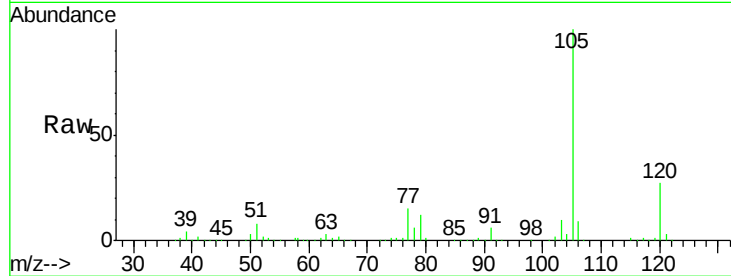
VSTDCCC050

Tot Ion:105 Resp: 603487

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 50.164 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Tgt Ion: 43 Resp: 222906

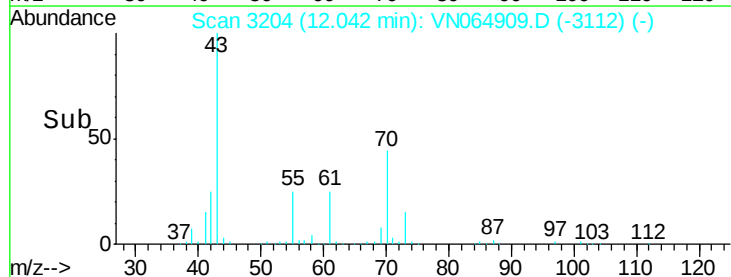
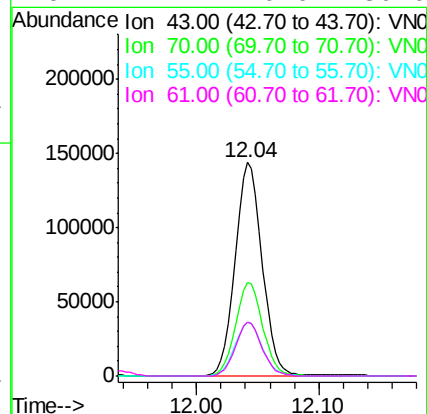
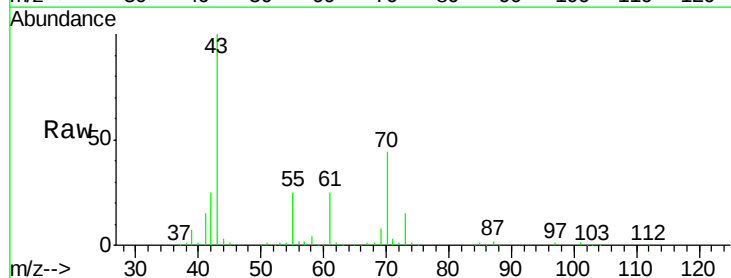
Ion Ratio Lower Upper

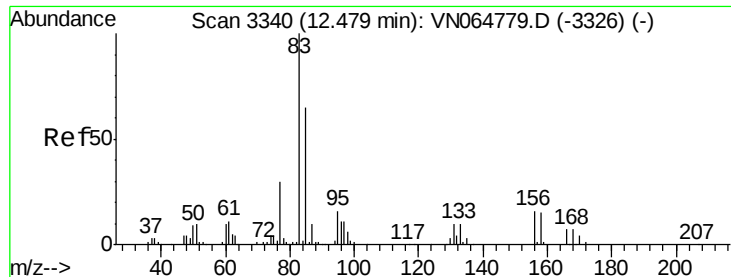
43 100

70 43.8 34.5 51.7

55 25.7 20.4 30.6

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.337 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

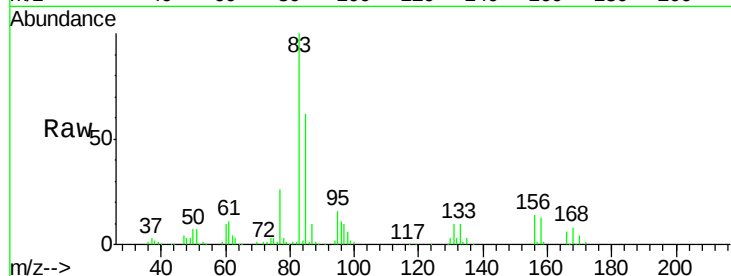
Tot Ion: 83 Resp: 163280

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

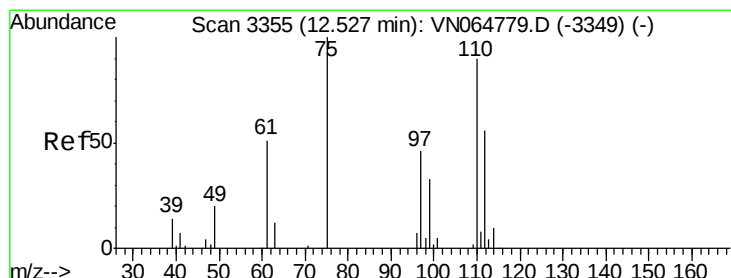
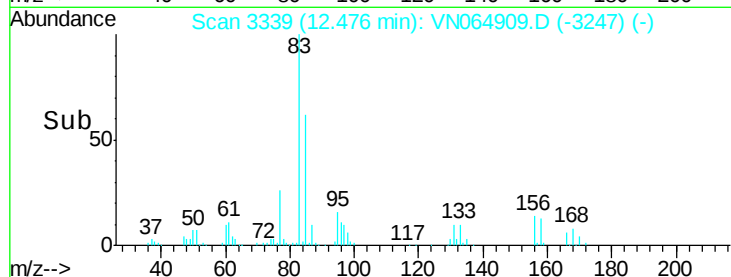
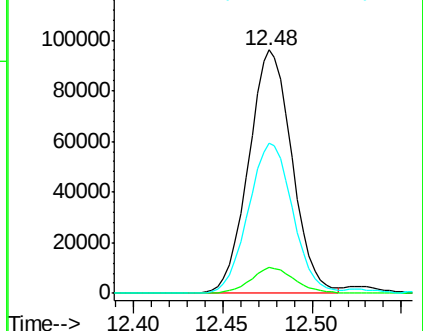
85 63.4 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 68.381 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064909.D

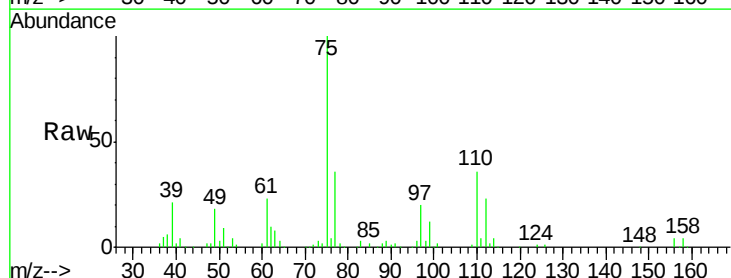
Acq: 4 Dec 2020 10:51

Tgt Ion: 75 Resp: 239055

Ion Ratio Lower Upper

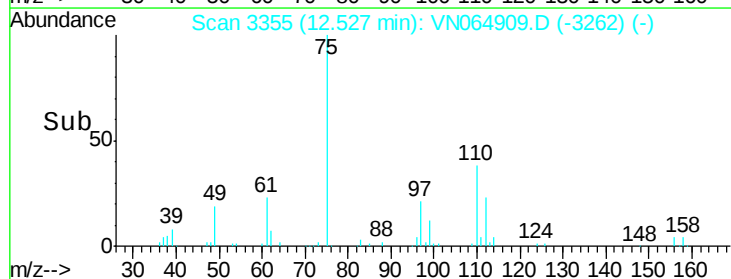
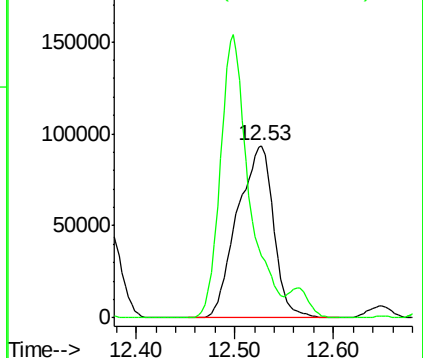
75 100

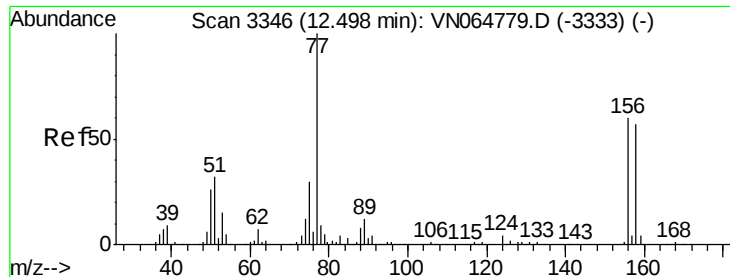
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.264 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

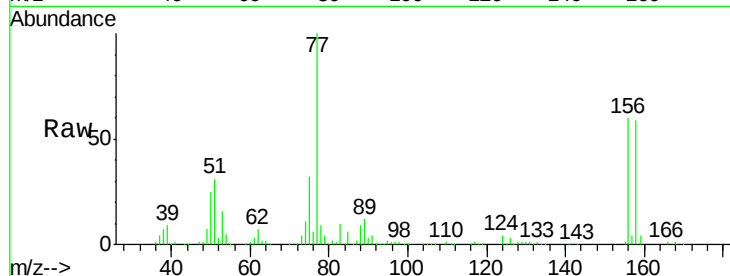
Tot Ion:156 Resp: 156051

Ion Ratio Lower Upper

156 100

77 201.3 101.3 303.7

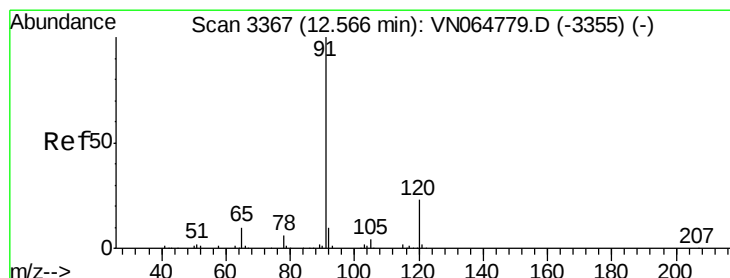
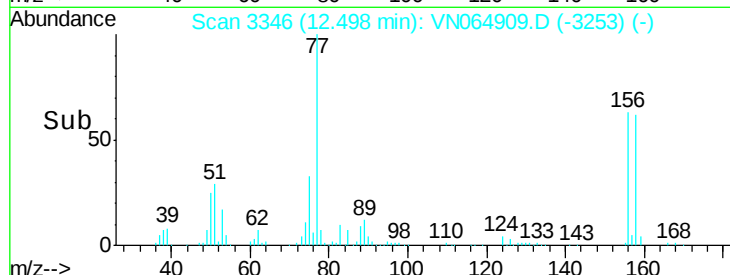
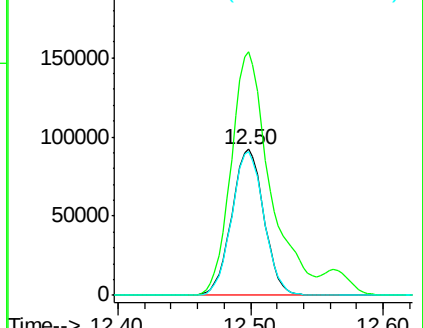
158 98.4 48.2 144.6



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: 52.706 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064909.D

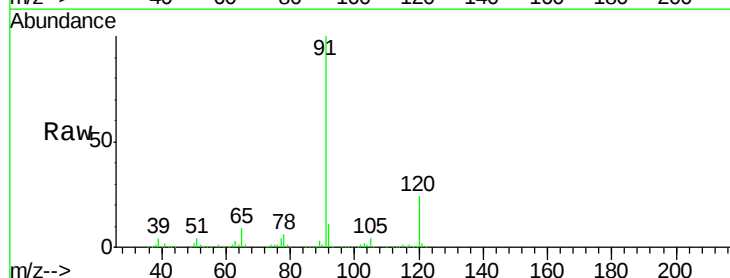
Acq: 4 Dec 2020 10:51

Tgt Ion: 91 Resp: 677956

Ion Ratio Lower Upper

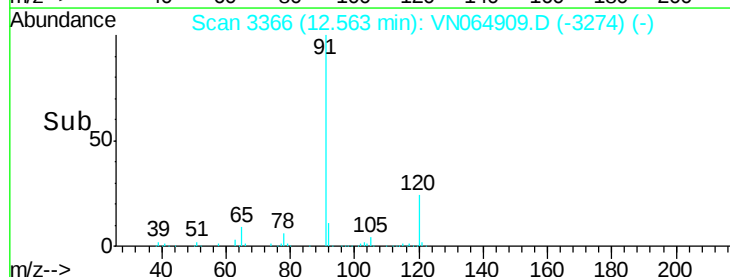
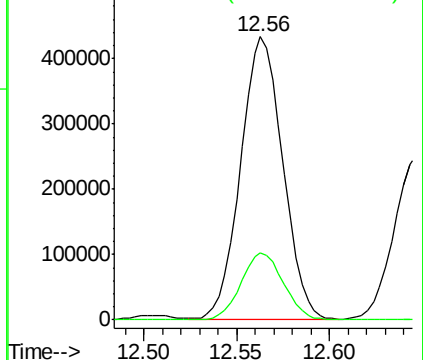
91 100

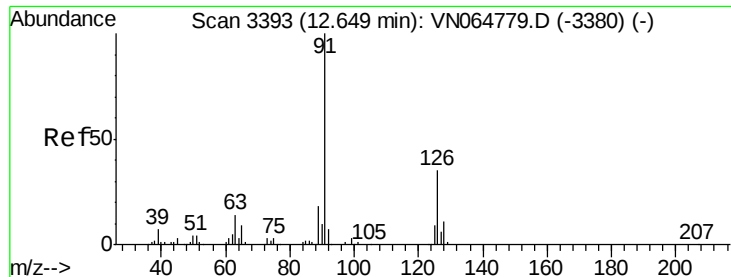
120 23.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.998 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

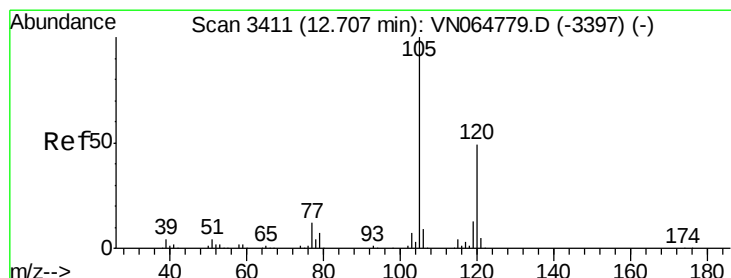
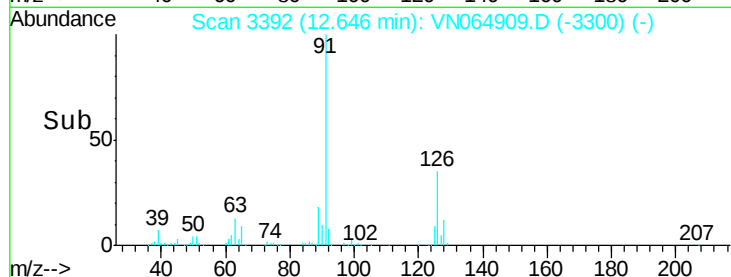
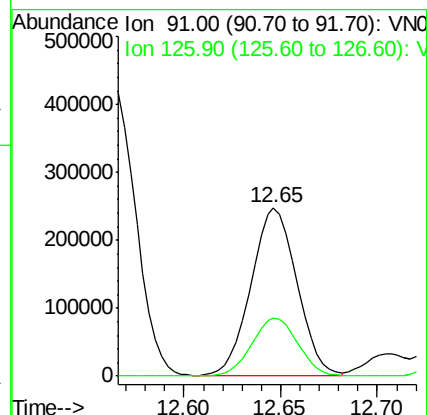
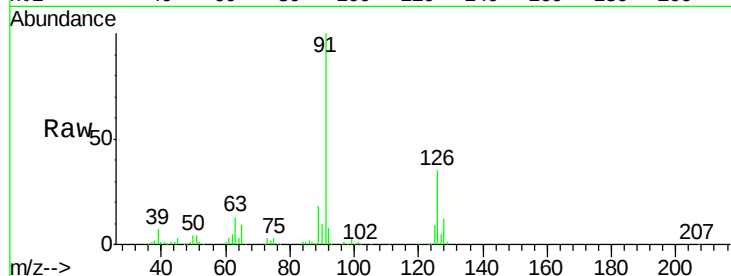
VSTDCCC050

Tot Ion: 91 Resp: 405493

Ion Ratio Lower Upper

91 100

126 35.1 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 54.031 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064909.D

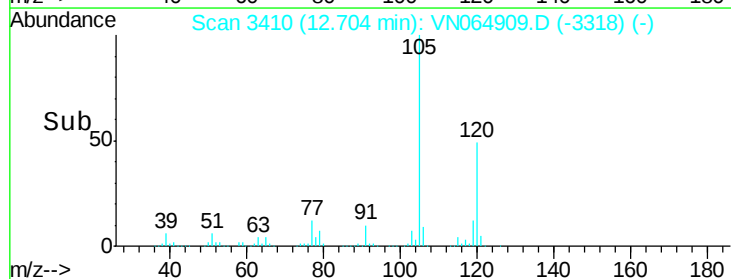
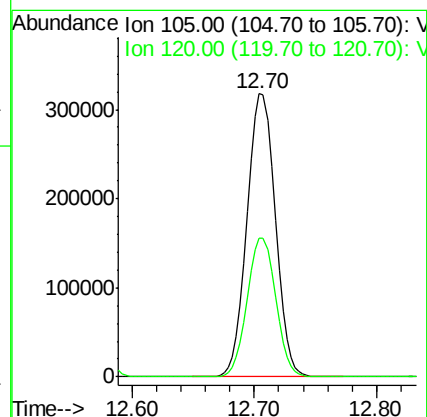
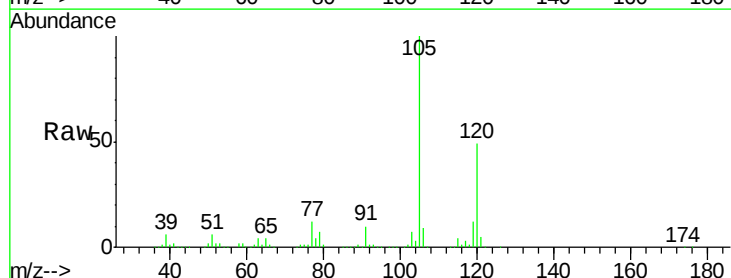
Acq: 4 Dec 2020 10:51

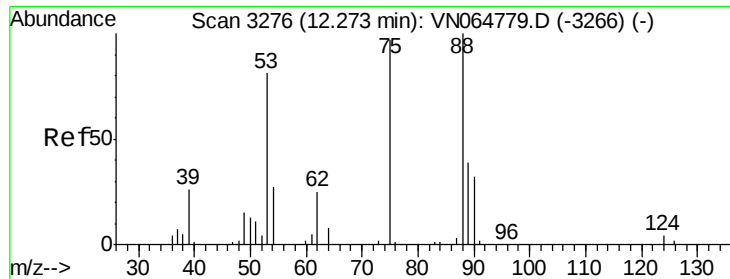
Tgt Ion: 105 Resp: 507090

Ion Ratio Lower Upper

105 100

120 49.7 24.6 73.6

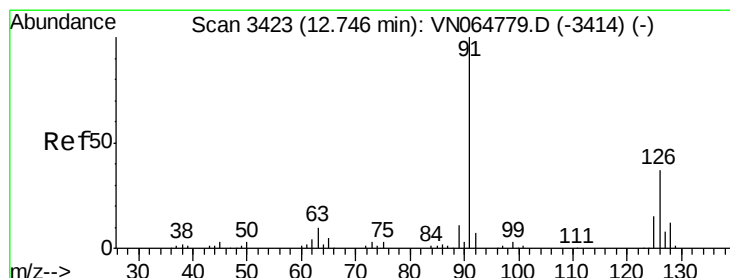
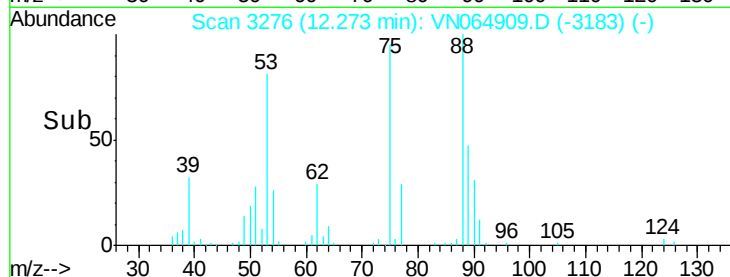
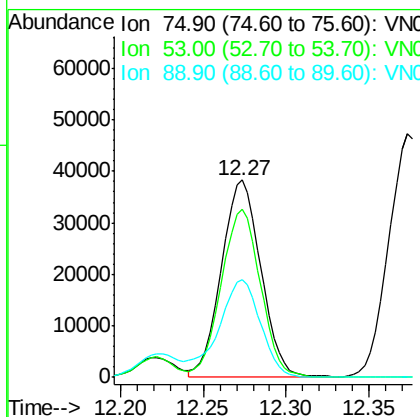
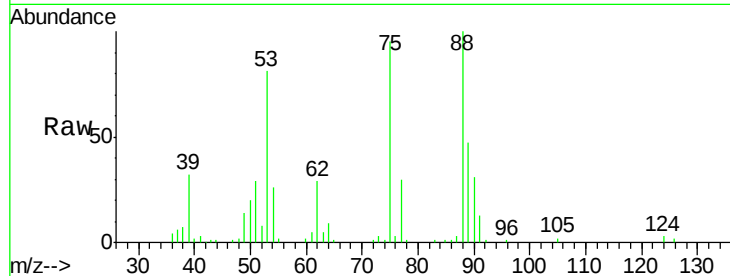




#81
trans-1,4-Dichloro-2-butene
Concen: 49.769 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

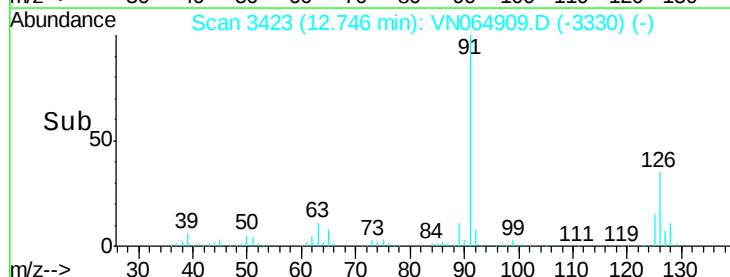
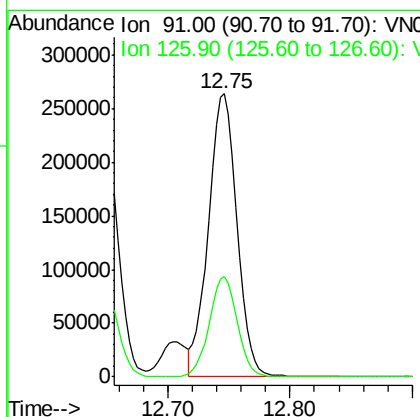
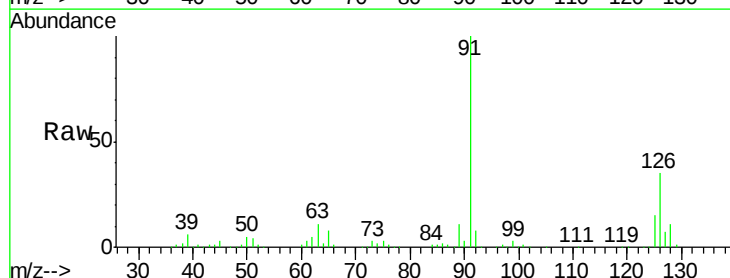
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

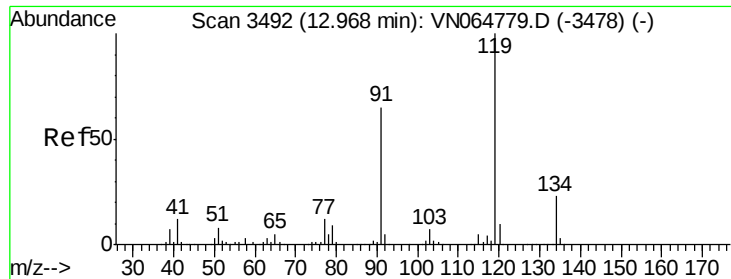
Tot Ion: 75 Resp: 63482
Ion Ratio Lower Upper
75 100
53 84.7 67.0 100.4
89 52.1 39.6 59.4



#82
4-Chlorotoluene
Concen: 51.778 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion: 91 Resp: 431530
Ion Ratio Lower Upper
91 100
126 34.9 16.9 50.7

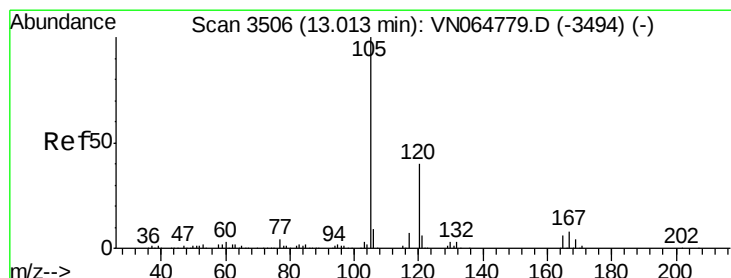
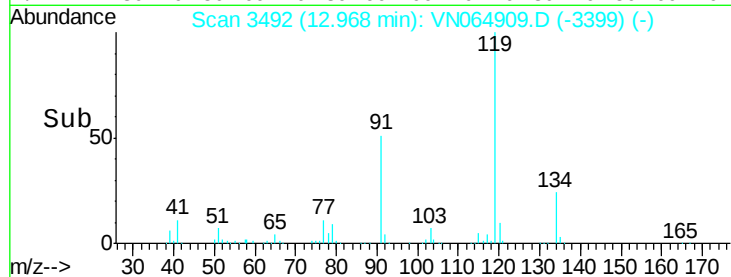
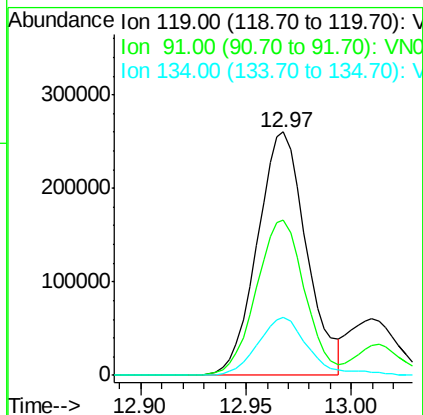
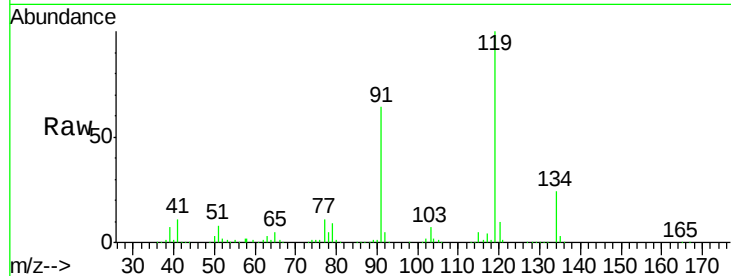




#83
tert-Butylbenzene
Concen: 53.636 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

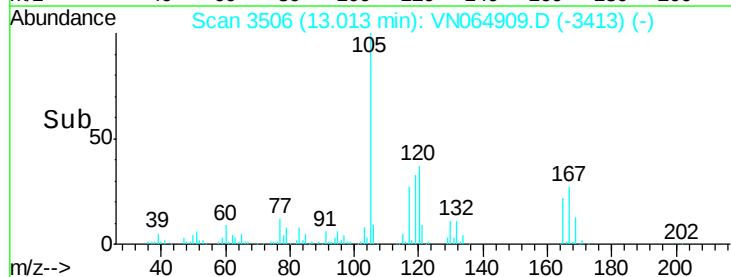
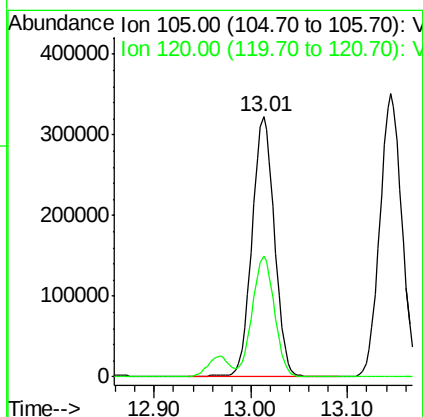
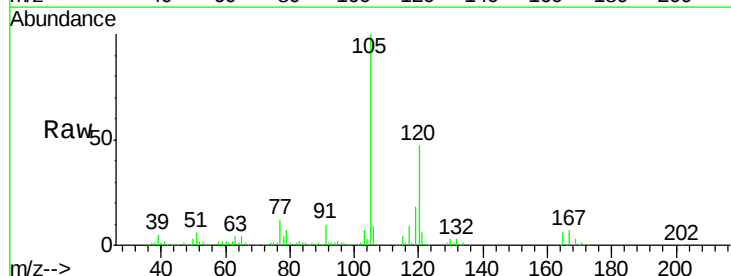
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

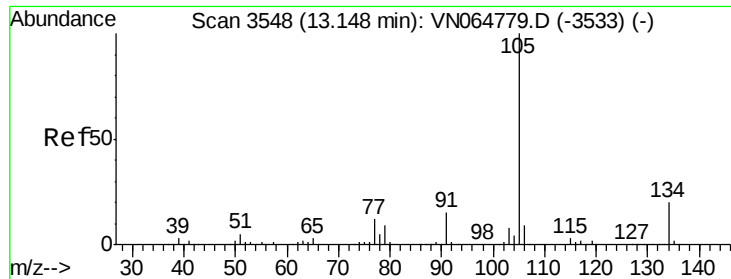
Tot Ion:119 Resp: 421930
Ion Ratio Lower Upper
119 100
91 63.0 32.3 96.8
134 24.8 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 54.703 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064909.D
Acq: 4 Dec 2020 10:51

Tgt Ion:105 Resp: 519078
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2

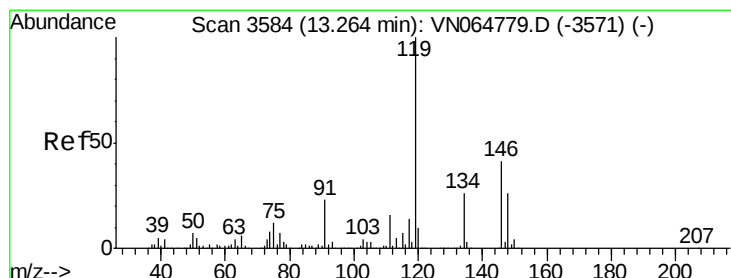
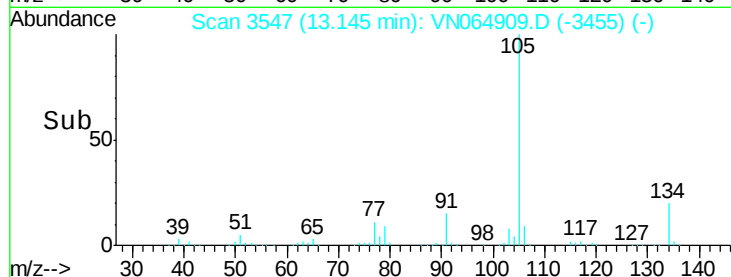
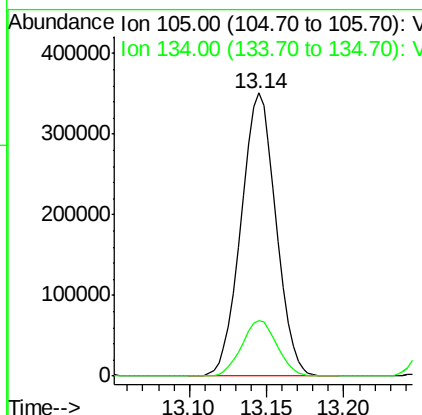
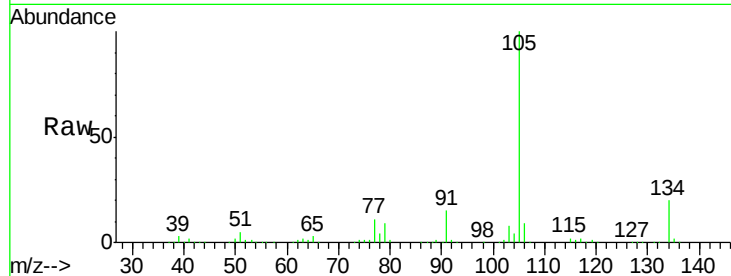




#85
 sec-Butylbenzene
 Concen: 52.688 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

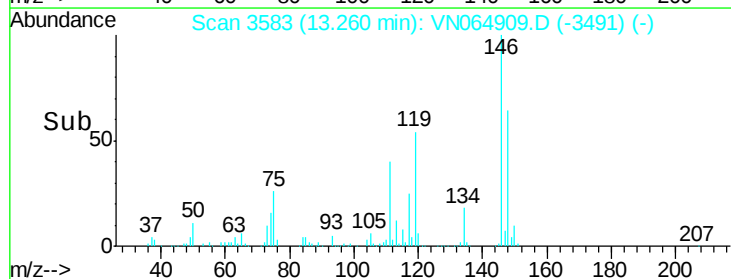
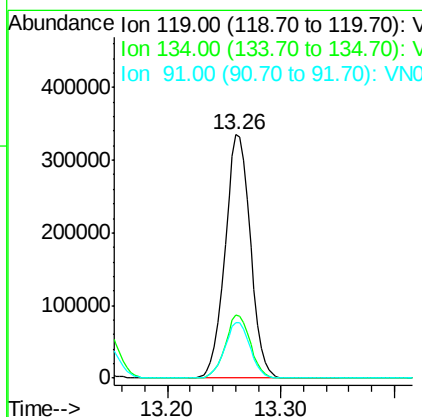
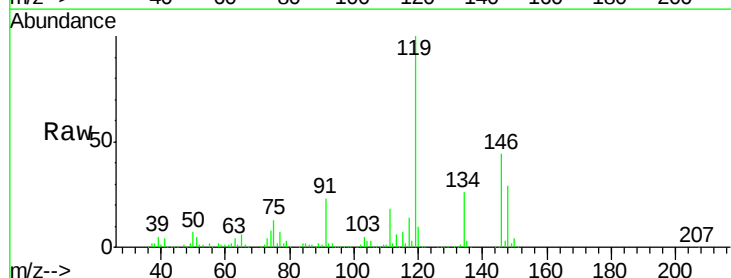
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

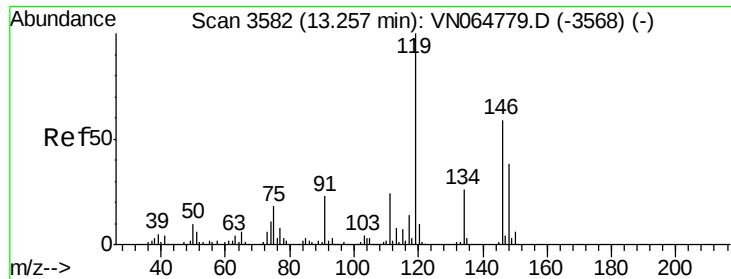
Tot Ion:105 Resp: 550309
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 54.661 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion:119 Resp: 519783
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.1
 91 23.0 11.5 34.5

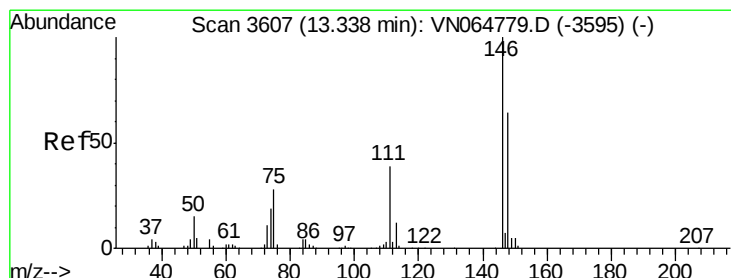
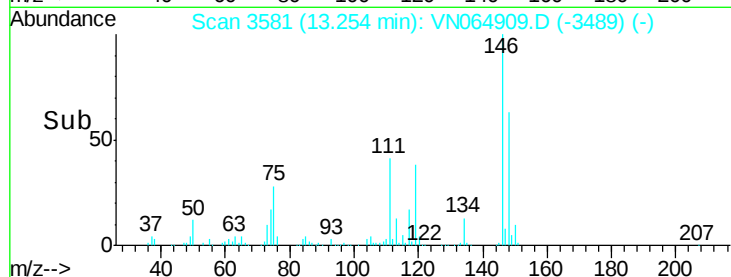
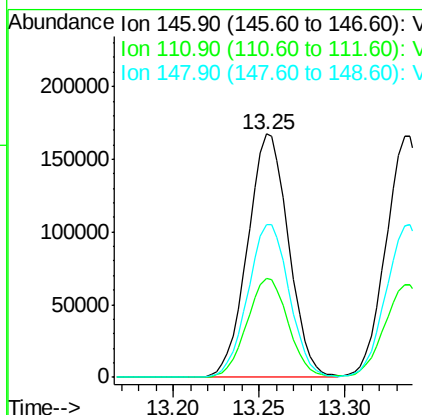
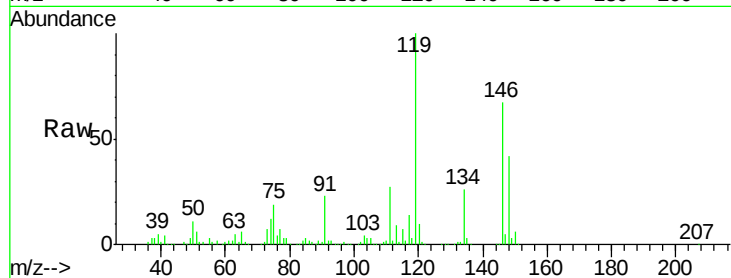




#87
 1,3-Dichlorobenzene
 Concen: 51.171 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

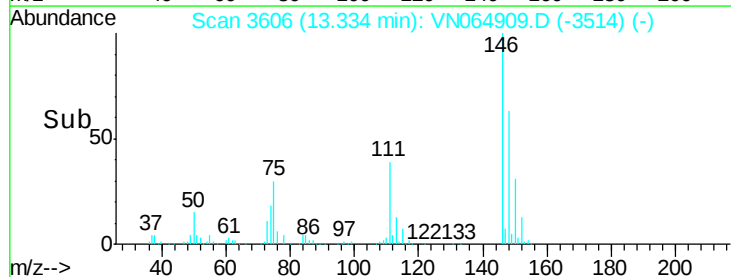
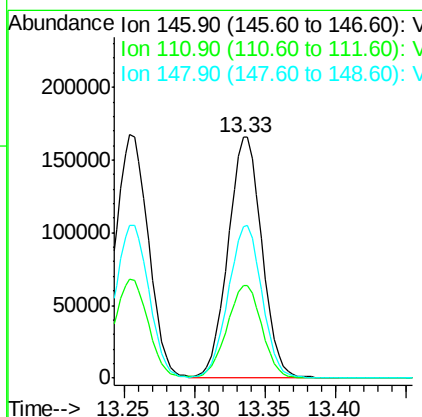
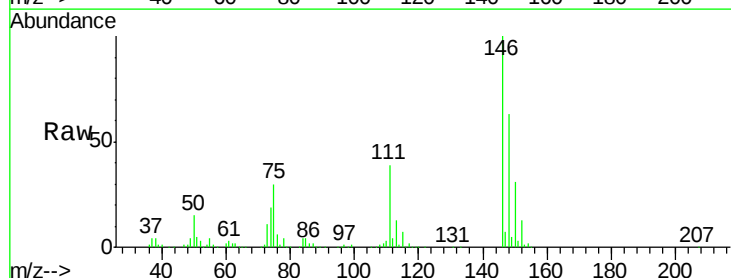
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

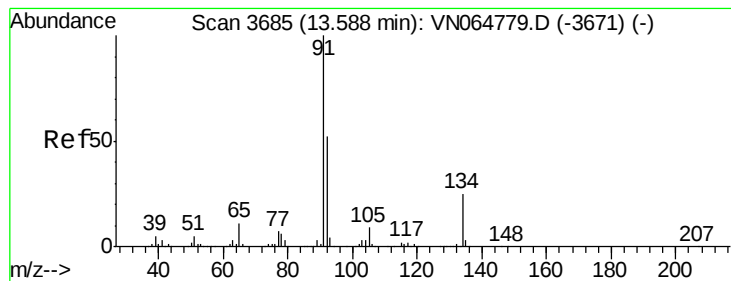
Tot Ion:146 Resp: 276749
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.6 61.9
 148 63.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.470 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion:146 Resp: 277228
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.8 59.3
 148 63.8 31.9 95.5





#89

n-Butylbenzene

Concen: 51.765 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

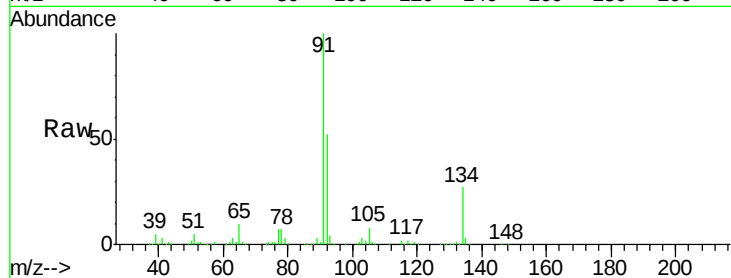
Tot Ion: 91 Resp: 432284

Ion Ratio Lower Upper

91 100

92 52.0 26.0 78.0

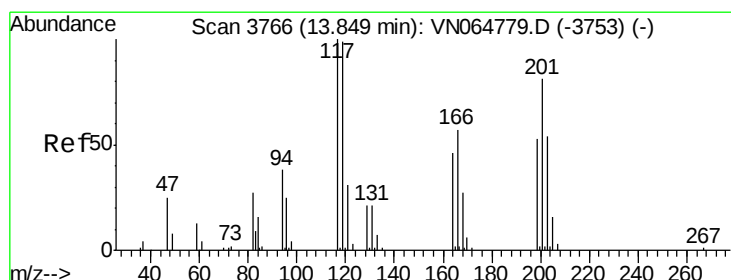
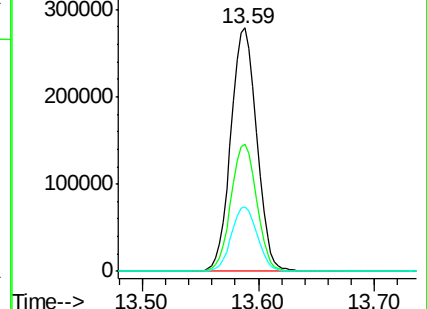
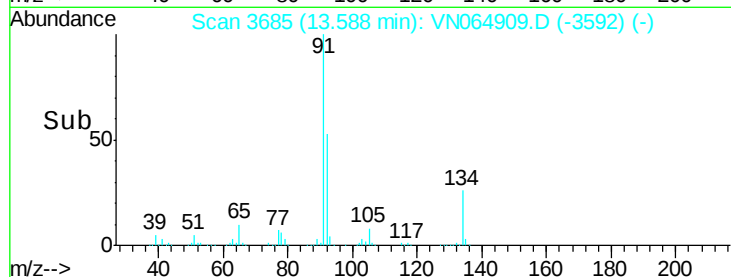
134 26.4 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064779.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064779.D (-3671) (-)



#90

Hexachloroethane

Concen: 52.578 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064909.D

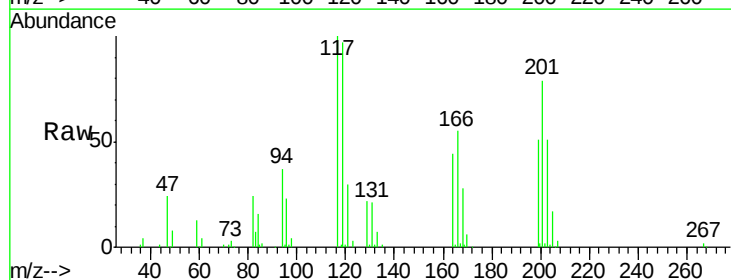
Acq: 4 Dec 2020 10:51

Tgt Ion: 117 Resp: 86856

Ion Ratio Lower Upper

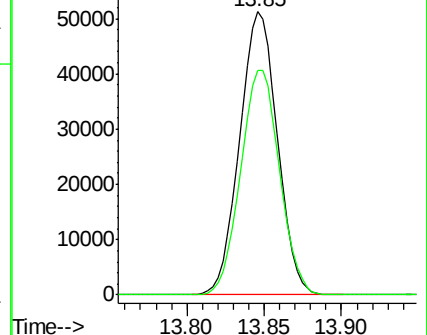
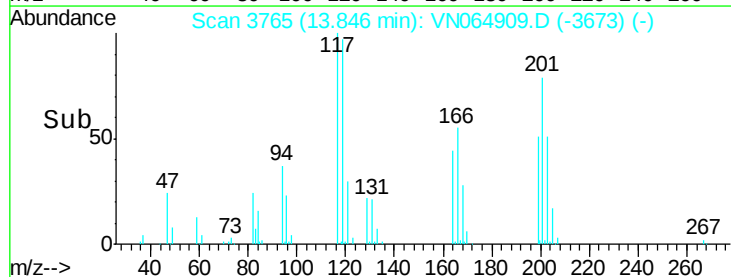
117 100

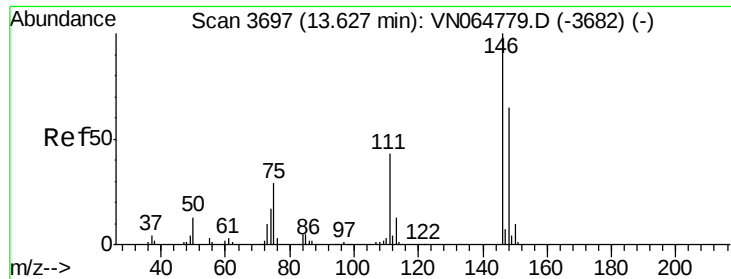
201 81.7 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-3753) (-)

Ion 200.70 (200.40 to 201.40): VN064779.D (-3753) (-)

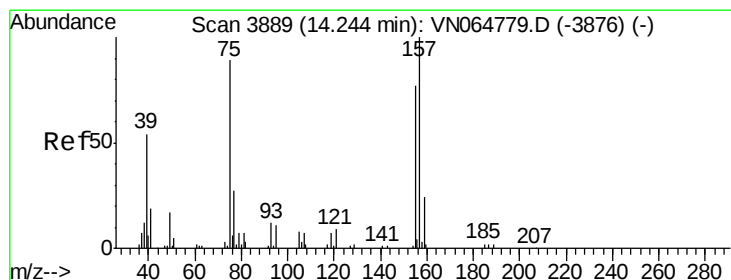
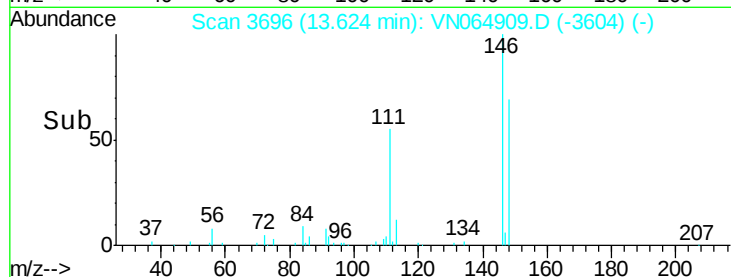
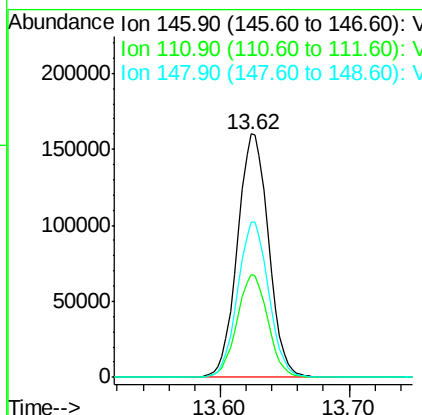
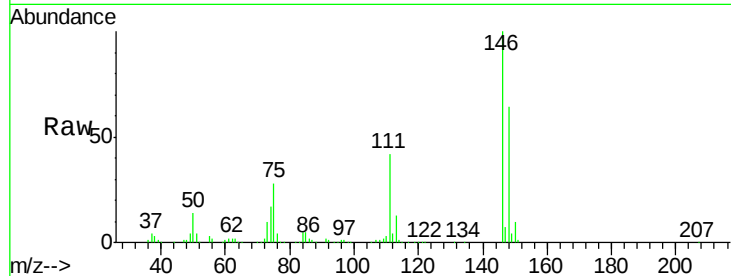




#91
 1,2-Dichlorobenzene
 Concen: 50.788 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

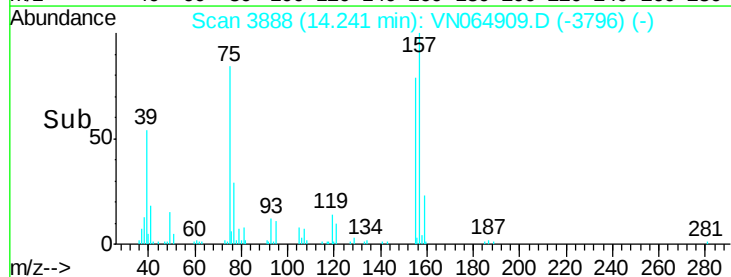
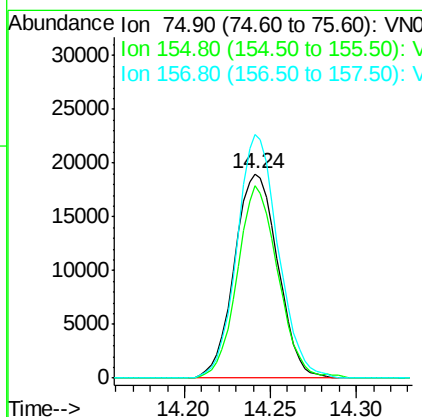
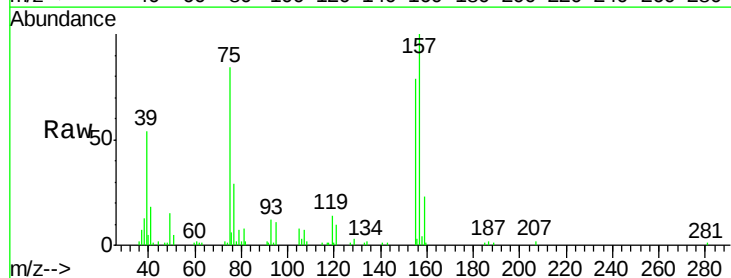
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

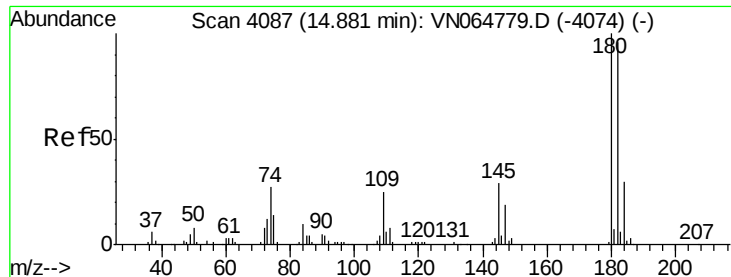
Tot Ion:146 Resp: 269702
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.1
 148 63.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.914 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064909.D
 Acq: 4 Dec 2020 10:51

Tgt Ion: 75 Resp: 33446
 Ion Ratio Lower Upper
 75 100
 155 88.1 42.8 128.3
 157 113.3 56.4 169.1





#93

1,2,4-Trichlorobenzene

Concen: 48.279 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

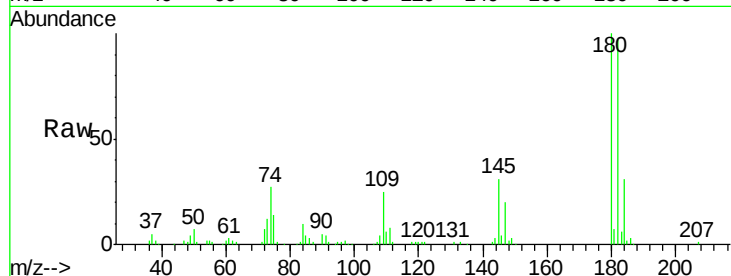
Tot Ion:180 Resp: 158598

Ion Ratio Lower Upper

180 100

182 95.6 47.6 142.9

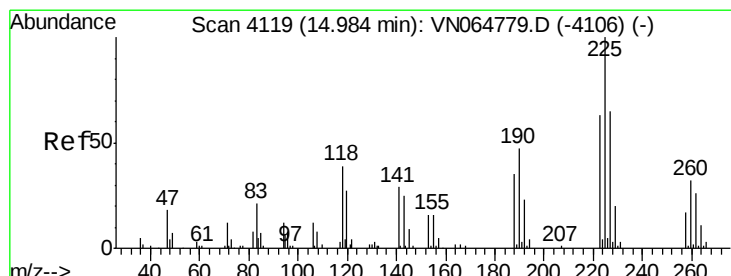
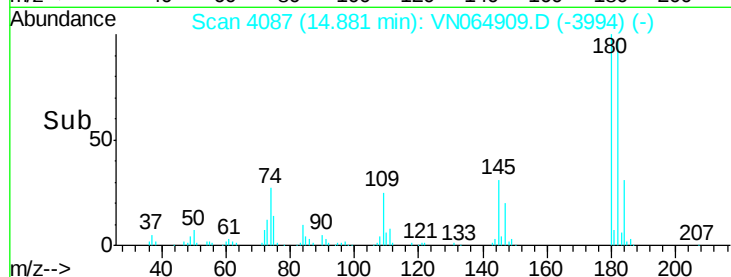
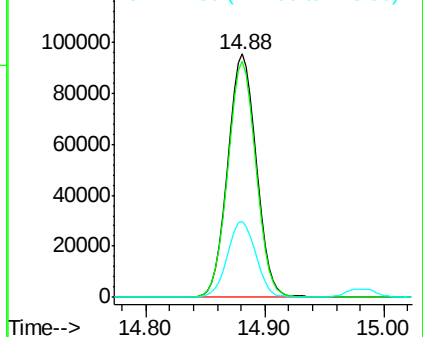
145 31.1 15.3 45.8



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: 50.124 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

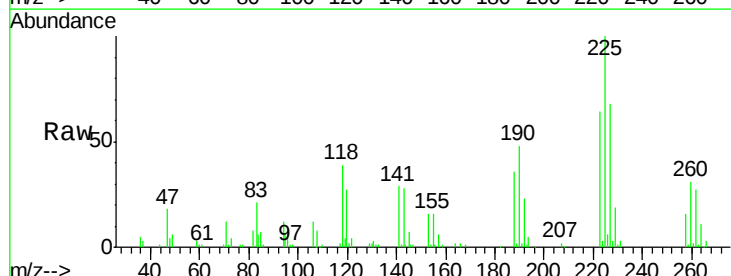
Tgt Ion:225 Resp: 74150

Ion Ratio Lower Upper

225 100

223 62.1 31.0 93.0

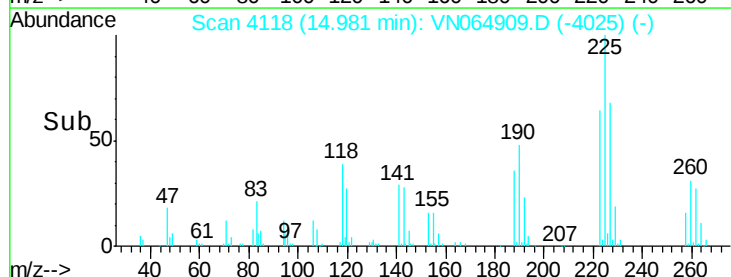
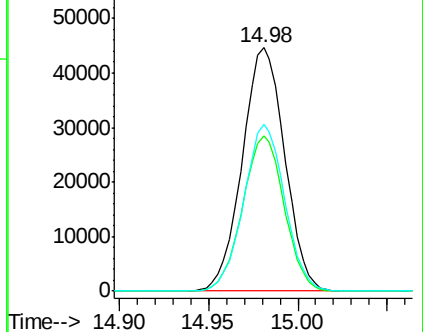
227 66.0 32.0 96.0

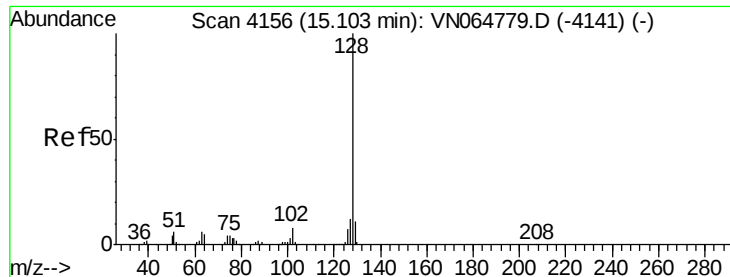


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.331 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

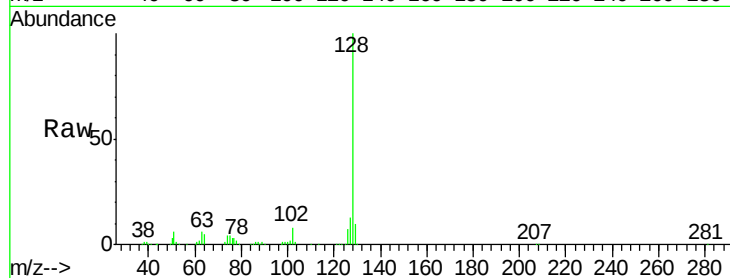
Tot Ion:128 Resp: 465810

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

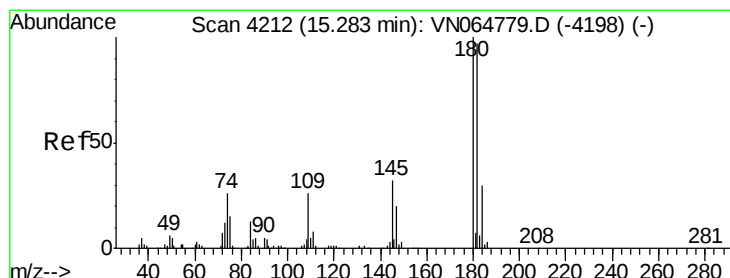
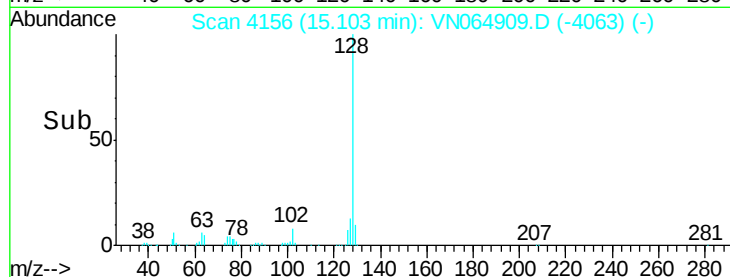
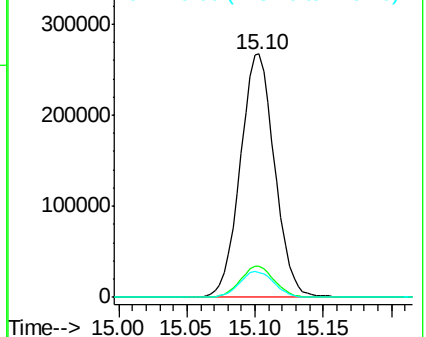
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.534 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064909.D

Acq: 4 Dec 2020 10:51

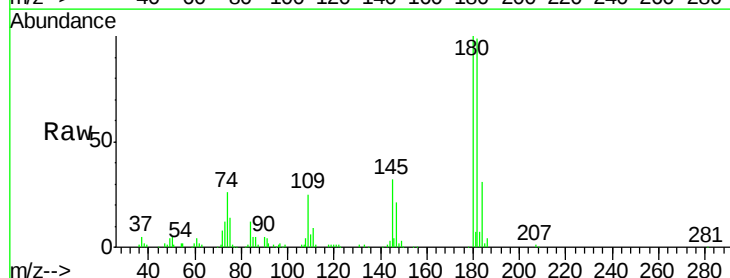
Tgt Ion:180 Resp: 148173

Ion Ratio Lower Upper

180 100

182 98.4 48.1 144.4

145 32.8 16.4 49.1



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

