

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064235.D
 Acq On : 21 Oct 2020 20:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 22 01:51:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	263285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	405489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	203600	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.55	113	145131	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.06	98	532832	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.38	95	218125	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	167615	52.078	ug/l	97
3) Chloromethane	2.04	50	166074	54.576	ug/l	97
4) Vinyl Chloride	2.16	62	165244	54.773	ug/l	98
5) Bromomethane	2.53	94	102835	52.294	ug/l	94
6) Chloroethane	2.67	64	99214	54.022	ug/l	99
7) Trichlorofluoromethane	2.98	101	276600	55.752	ug/l	99
8) Diethyl Ether	3.37	74	88869	54.151	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	135149	52.679	ug/l	99
10) Methyl Iodide	3.91	142	191598	52.518	ug/l	99
11) Tert butyl alcohol	4.72	59	137485	262.681	ug/l	97
12) 1,1-Dichloroethene	3.69	96	132788	53.813	ug/l	97
13) Acrolein	3.57	56	77713	236.534	ug/l	96
14) Allyl chloride	4.27	41	261860	53.022	ug/l	98
15) Acrylonitrile	4.93	53	302193	279.219	ug/l	99
16) Acetone	3.78	43	313555	280.275	ug/l	99
17) Carbon Disulfide	4.01	76	374516	53.208	ug/l	98
18) Methyl Acetate	4.28	43	155444	54.527	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	458013	53.989	ug/l	99
20) Methylene Chloride	4.50	84	151895	50.918	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	145115	53.331	ug/l	98
22) Diisopropyl ether	5.90	45	477684	52.030	ug/l	98
23) Vinyl Acetate	5.84	43	2210061	269.928	ug/l	100
24) 1,1-Dichloroethane	5.80	63	287770	54.107	ug/l	99
25) 2-Butanone	6.78	43	472583	265.881	ug/l	99
26) 2,2-Dichloropropane	6.78	77	253976	47.966	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	170568	53.827	ug/l	96
28) Bromochloromethane	7.15	49	136070	53.854	ug/l	99
29) Tetrahydrofuran	7.17	42	287485	270.394	ug/l	97
30) Chloroform	7.33	83	305274	53.810	ug/l	98
31) Cyclohexane	7.61	56	228279	49.251	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	292408	55.020	ug/l	100
36) 1,1-Dichloropropene	7.75	75	228301	51.605	ug/l	98
37) Ethyl Acetate	6.88	43	210119	52.311	ug/l	99
38) Carbon Tetrachloride	7.74	117	260951	51.843	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	201598	50.115	ug/l	94
40) Benzene	8.00	78	617460	50.561	ug/l	100
41) Methacrylonitrile	7.12	41	106255	50.429	ug/l	93
42) 1,2-Dichloroethane	8.08	62	264470	50.554	ug/l	98
43) Isopropyl Acetate	8.13	43	390423	52.155	ug/l	99
44) Trichloroethene	8.80	130	169243	50.857	ug/l	99
45) 1,2-Dichloropropane	9.08	63	165897	50.886	ug/l	99
46) Dibromomethane	9.17	93	115940	52.962	ug/l	98
47) Bromodichloromethane	9.37	83	252473	52.202	ug/l	98
48) Methyl methacrylate	9.17	41	197524	50.512	ug/l	99
49) 1,4-Dioxane	9.17	88	46064	1006.773	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1074831	268.655	ug/l	100
52) Toluene	10.13	92	397287	50.842	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	283901	52.842	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	286788	50.697	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	154655	52.404	ug/l	97
56) Ethyl methacrylate	10.40	69	246386	53.993	ug/l	98
57) 1,3-Dichloropropane	10.68	76	272705	53.198	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	612945	260.849	ug/l	100
59) 2-Hexanone	10.72	43	787705	269.595	ug/l	100
60) Dibromochloromethane	10.87	129	196006	51.304	ug/l	99
61) 1,2-Dibromoethane	10.98	107	167999	53.945	ug/l	96
64) Tetrachloroethene	10.60	164	159311	48.802	ug/l	96
65) Chlorobenzene	11.41	112	433138	51.605	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	168204	50.487	ug/l	99
67) Ethyl Benzene	11.48	91	802024	51.995	ug/l	99
68) m/p-Xylenes	11.59	106	585763	102.494	ug/l	98
69) o-Xylene	11.92	106	286810	51.890	ug/l	98
70) Styrene	11.94	104	478980	51.698	ug/l	98
71) Bromoform	12.10	173	134069	52.092	ug/l #	97
73) Isopropylbenzene	12.22	105	768501	51.111	ug/l	100
74) N-amyl acetate	12.04	43	343616	52.888	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	210379	52.726	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	313132	75.343	ug/l #	100
77) Bromobenzene	12.50	156	185504	52.260	ug/l	96
78) n-propylbenzene	12.57	91	864158	50.974	ug/l	99
79) 2-Chlorotoluene	12.65	91	540091	51.867	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	648458	51.014	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	82490	50.111	ug/l	99
82) 4-Chlorotoluene	12.75	91	563730	51.901	ug/l	99
83) tert-Butylbenzene	12.97	119	528710	50.731	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	660492	52.206	ug/l	100
85) sec-Butylbenzene	13.15	105	663611	50.508	ug/l	100
86) p-Isopropyltoluene	13.26	119	612814	51.219	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	325361	51.513	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	329056	50.900	ug/l	99
89) n-Butylbenzene	13.59	91	527878	49.219	ug/l	98
90) Hexachloroethane	13.85	117	106681	49.233	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	318824	51.454	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	52729	52.971	ug/l	99

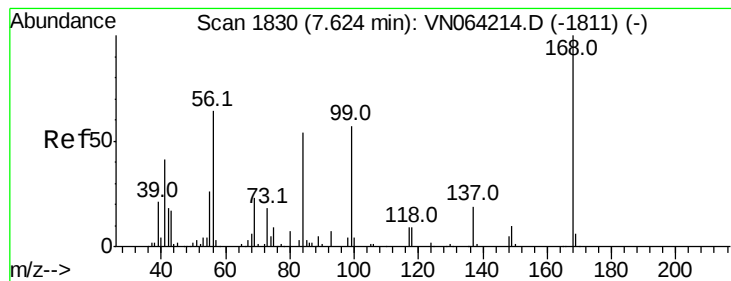
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
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Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	178214	51.280	ug/l	98
94) Hexachlorobutadiene	14.98	225	83537	44.567	ug/l	99
95) Naphthalene	15.10	128	552061	53.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	176212	51.194	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

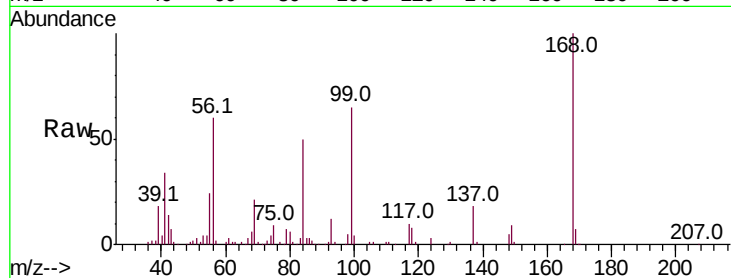
VSTDCCC050EC

Tot Ion:168 Resp: 263285

Ion Ratio Lower Upper

168 100

99 64.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

60000

40000

20000

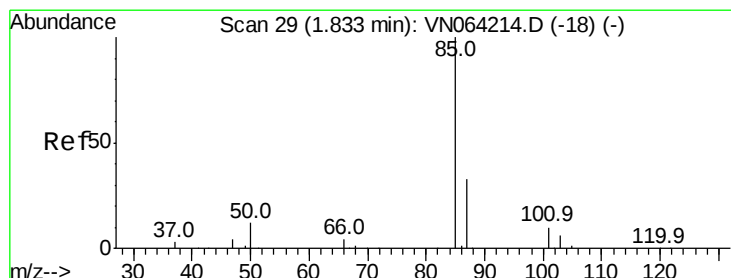
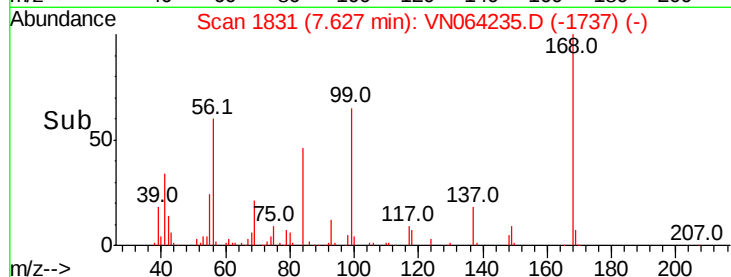
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.078 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064235.D

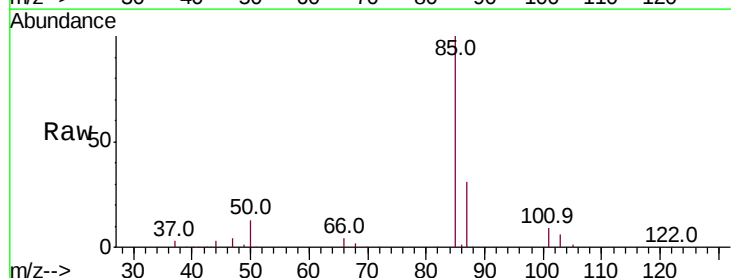
Acq: 21 Oct 2020 20:41

Tgt Ion: 85 Resp: 167615

Ion Ratio Lower Upper

85 100

87 31.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

100000

50000

0

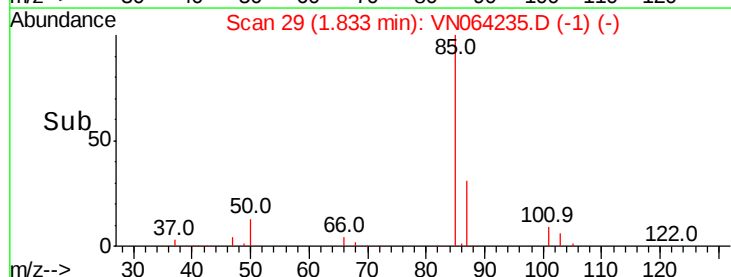
1.75

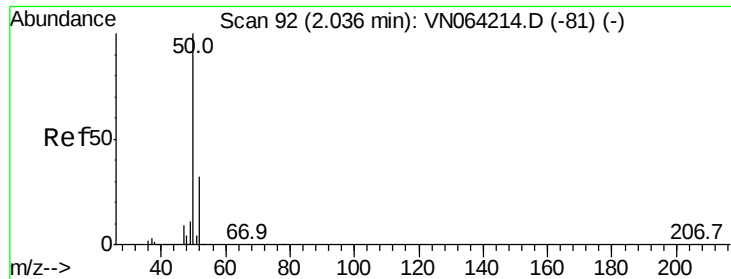
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 54.576 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

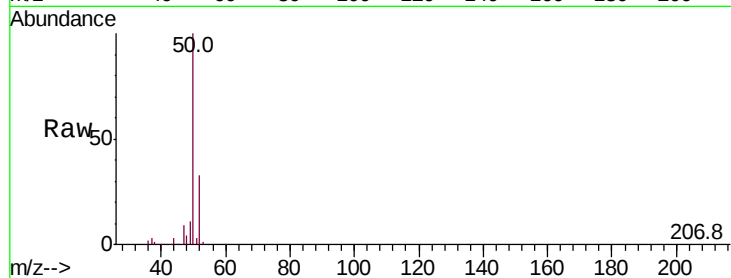
VSTDCCC050EC

Tot Ion: 50 Resp: 166074

Ion Ratio Lower Upper

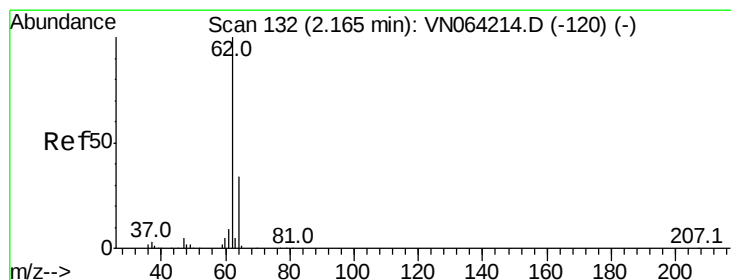
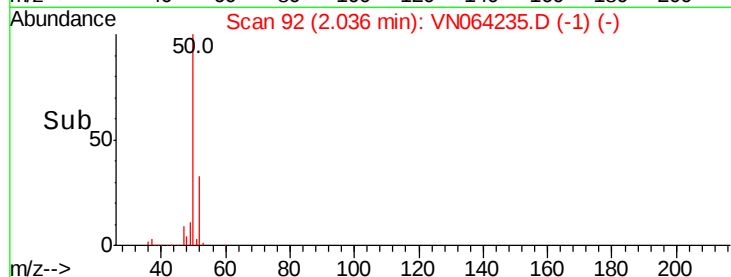
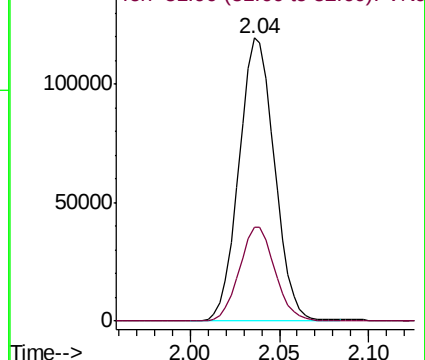
50 100

52 33.4 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 54.773 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064235.D

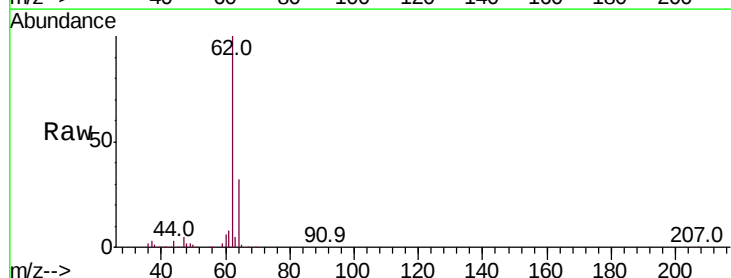
Acq: 21 Oct 2020 20:41

Tgt Ion: 62 Resp: 165244

Ion Ratio Lower Upper

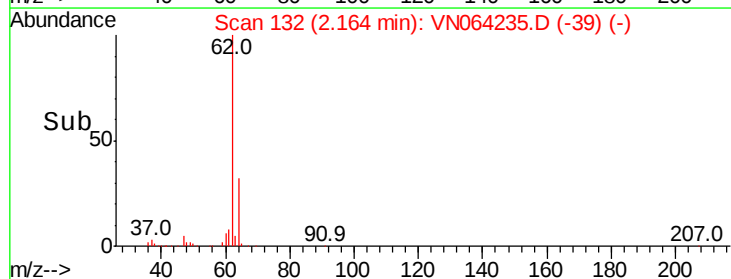
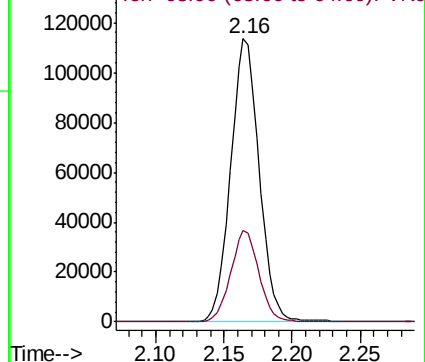
62 100

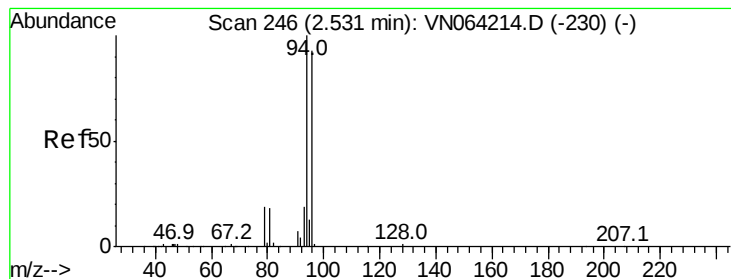
64 32.3 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.294 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

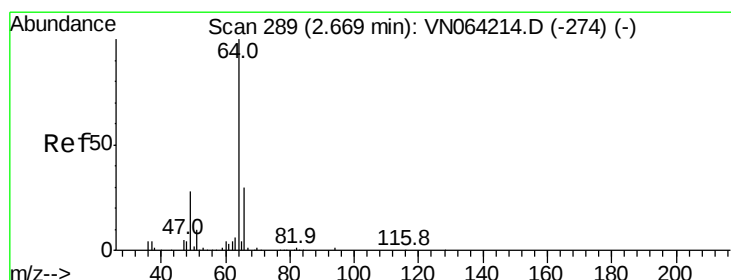
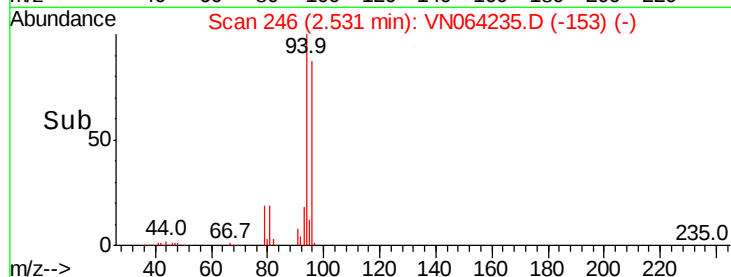
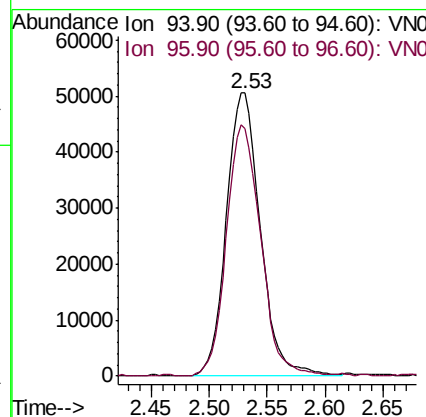
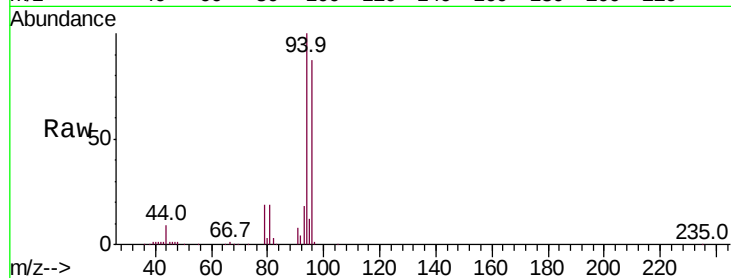
VSTDCCC050EC

Tot Ion: 94 Resp: 102835

Ion Ratio Lower Upper

94 100

96 87.1 74.2 111.4



#6

Chloroethane

Concen: 54.022 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064235.D

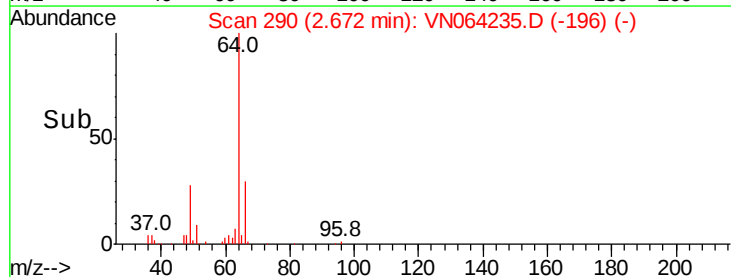
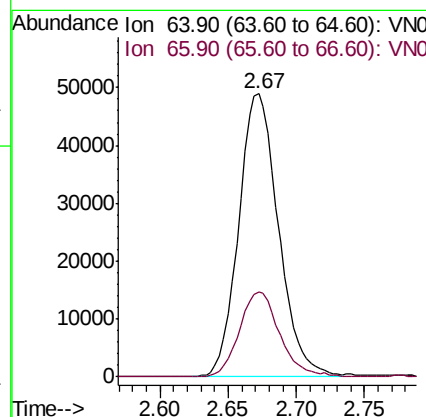
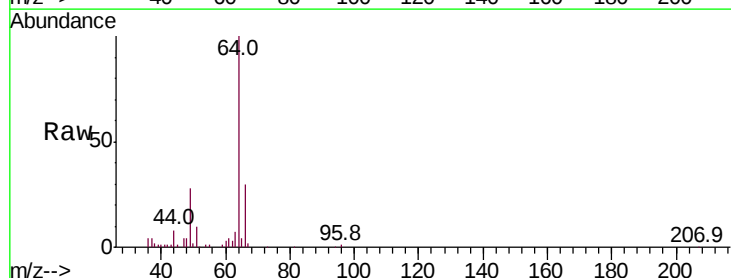
Acq: 21 Oct 2020 20:41

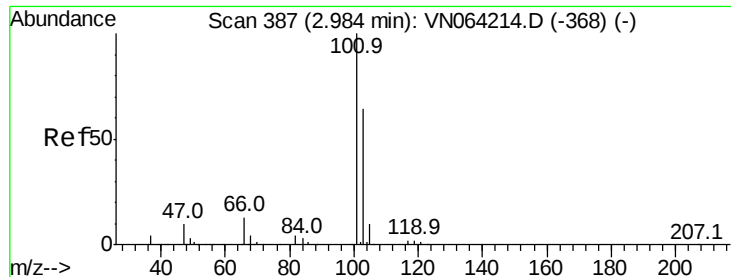
Tgt Ion: 64 Resp: 99214

Ion Ratio Lower Upper

64 100

66 30.0 24.5 36.7



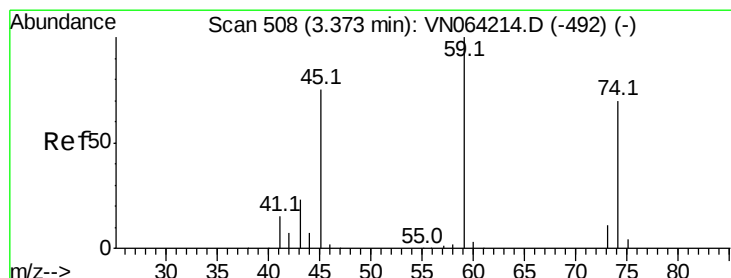
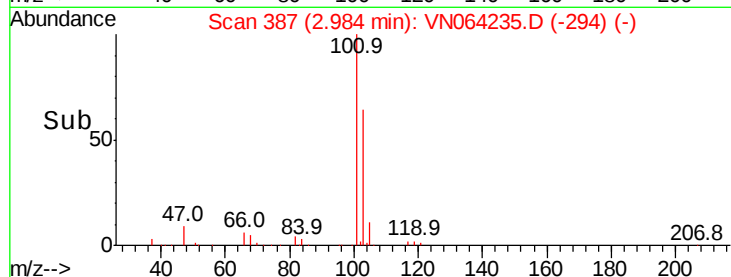
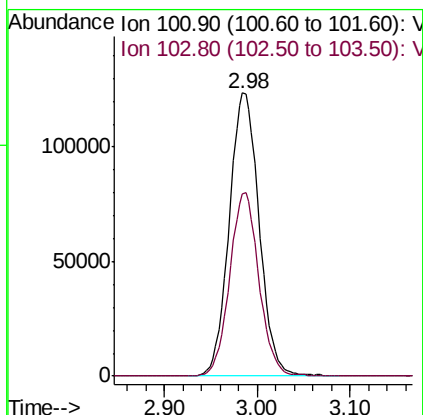
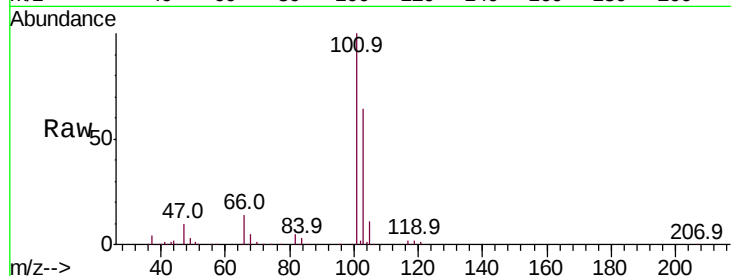


#7

Trichlorofluoromethane
 Concen: 55.752 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Instrument :
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 VSTDCCC050EC

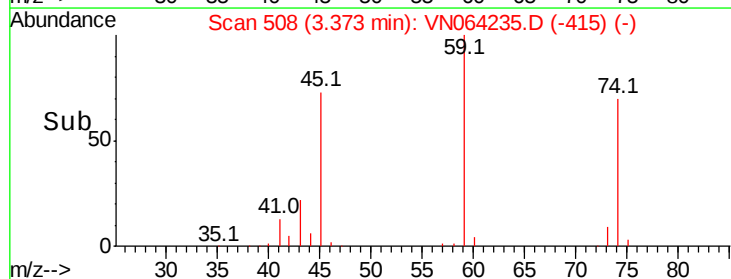
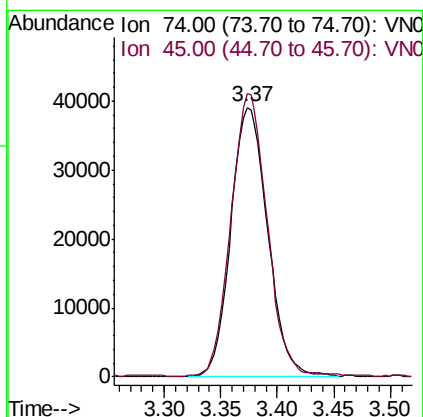
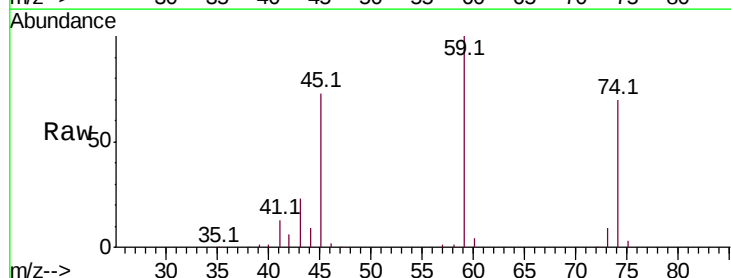
Tot Ion:101 Resp: 276600
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.0 76.6

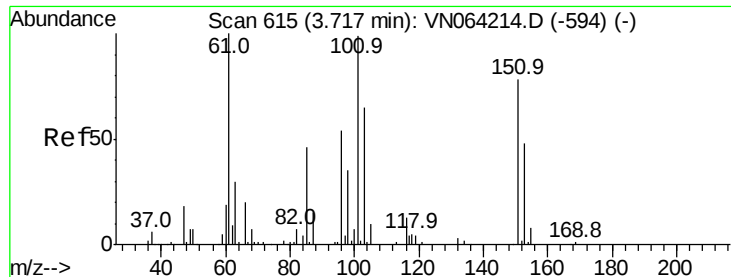


#8

Diethyl Ether
 Concen: 54.151 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion: 74 Resp: 88869
 Ion Ratio Lower Upper
 74 100
 45 104.1 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.679 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

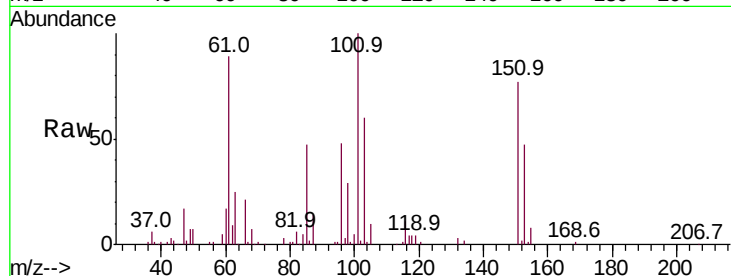
Tot Ion:101 Resp: 135149

Ion Ratio Lower Upper

101 100

85 49.5 37.8 56.8

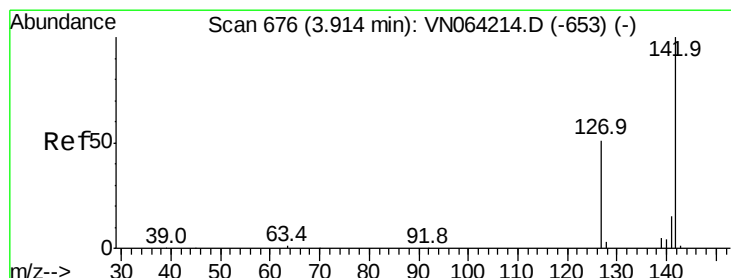
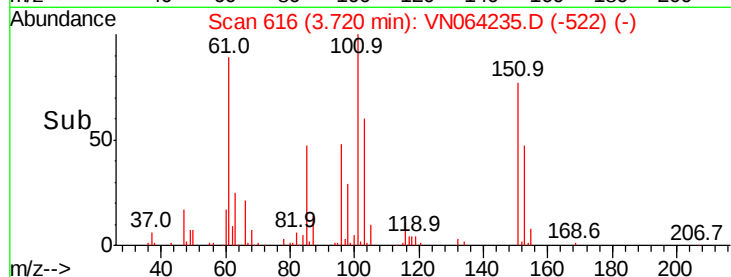
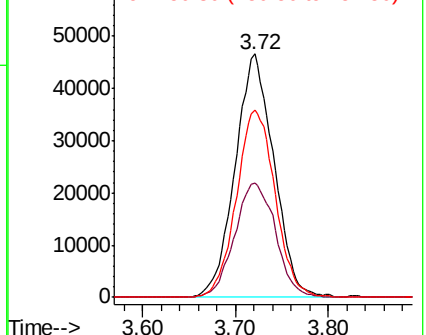
151 77.0 61.4 92.2



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: 52.518 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

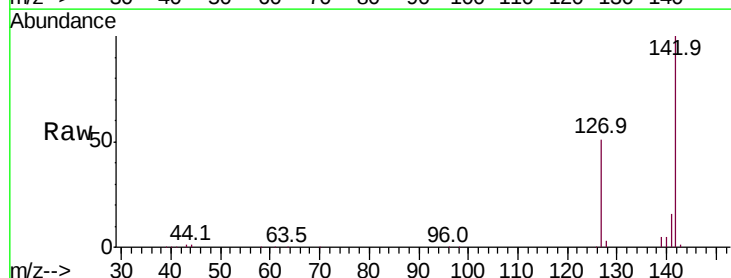
Tgt Ion:142 Resp: 191598

Ion Ratio Lower Upper

142 100

127 52.3 41.0 61.6

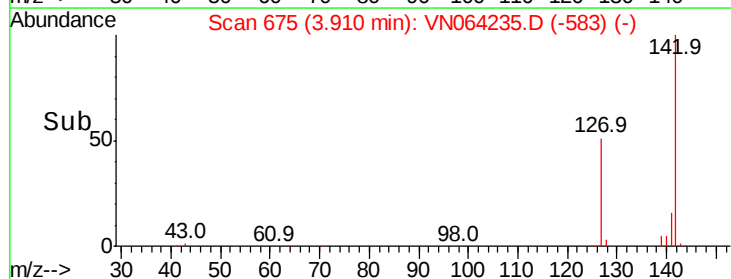
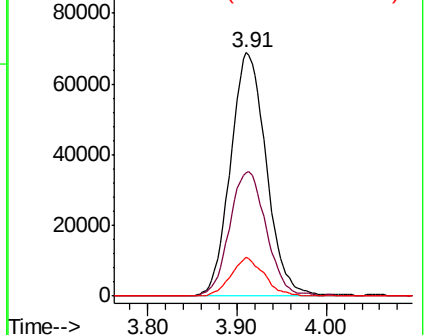
141 14.6 11.3 16.9

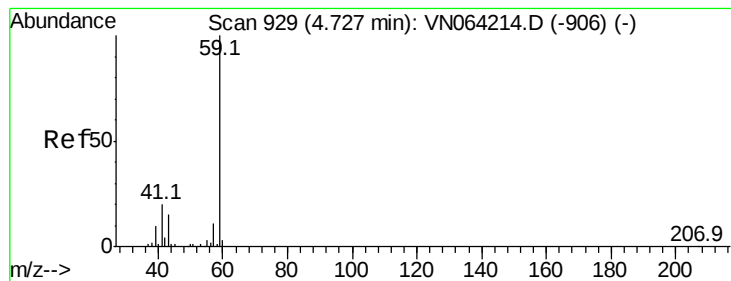


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



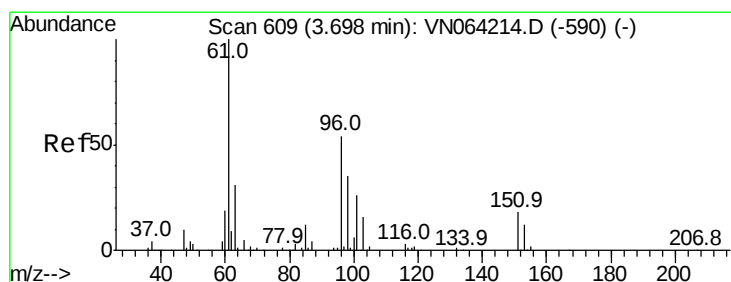
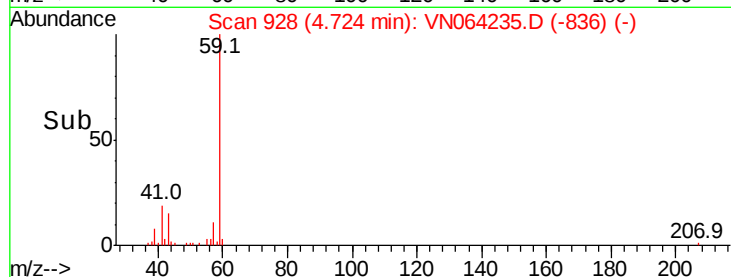
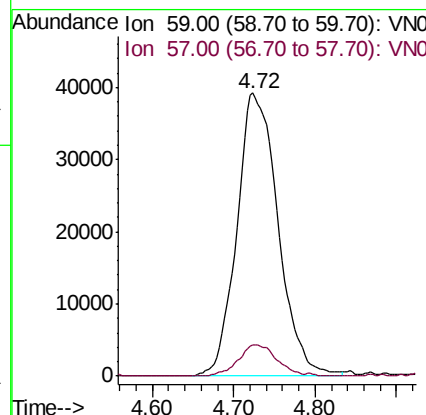
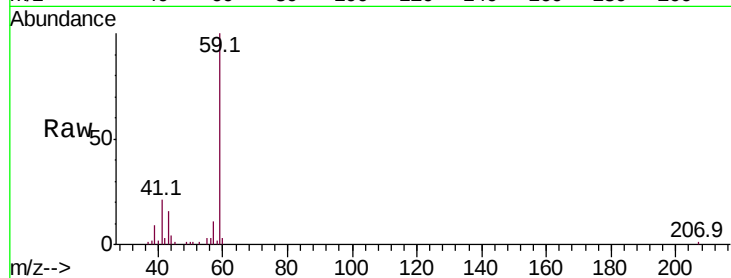


#11

Tert butyl alcohol
 Concen: 262.681 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

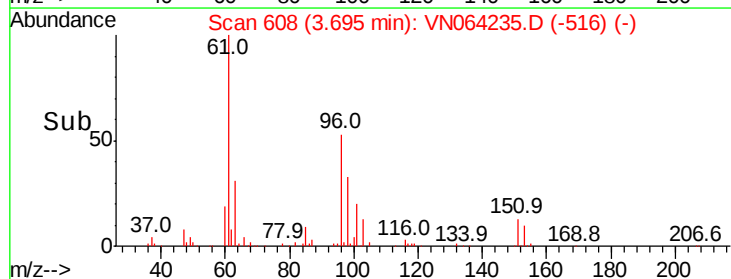
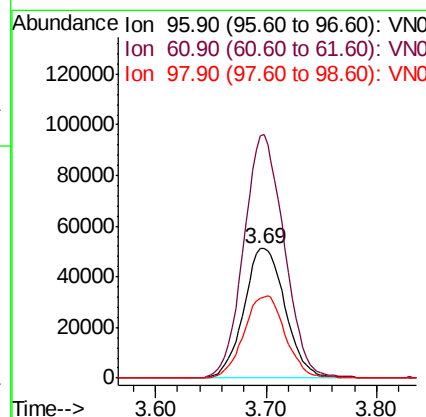
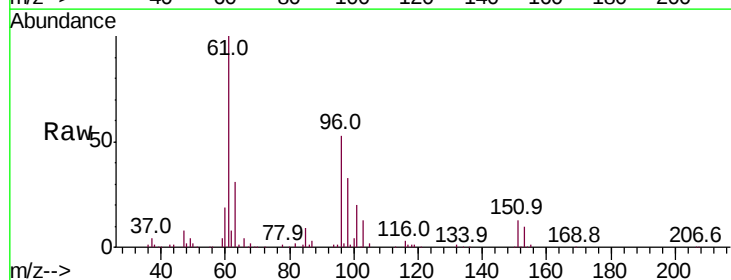
Tot Ion: 59 Resp: 137485
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.2 13.8

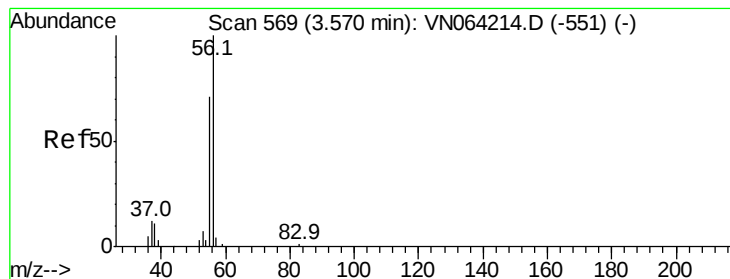


#12

1,1-Dichloroethene
 Concen: 53.813 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion: 96 Resp: 132788
 Ion Ratio Lower Upper
 96 100
 61 187.0 147.0 220.4
 98 61.4 51.7 77.5





#13

Acrolein

Concen: 236.534 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

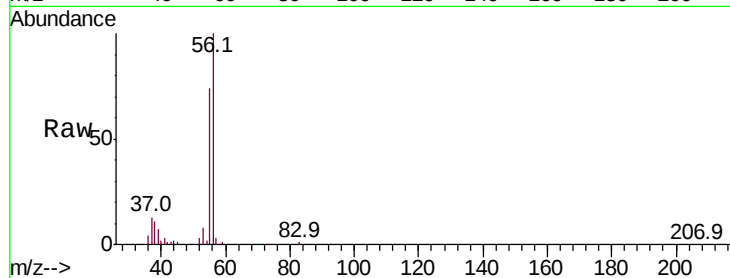
VSTDCCC050EC

Tot Ion: 56 Resp: 77713

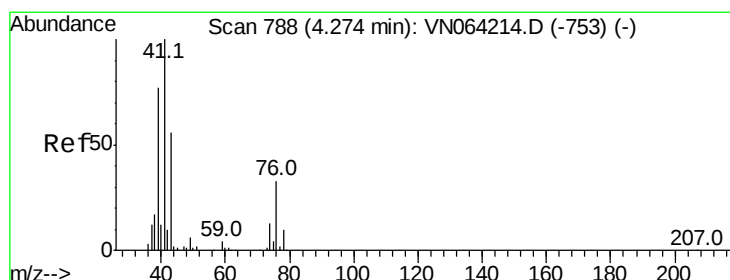
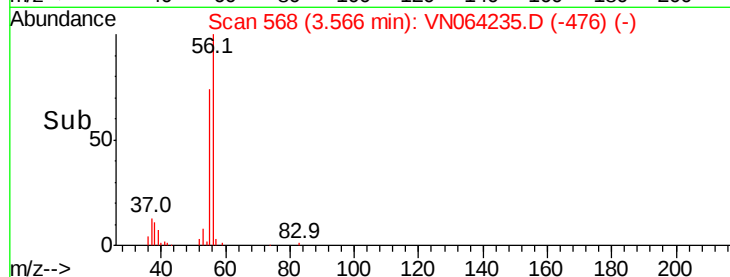
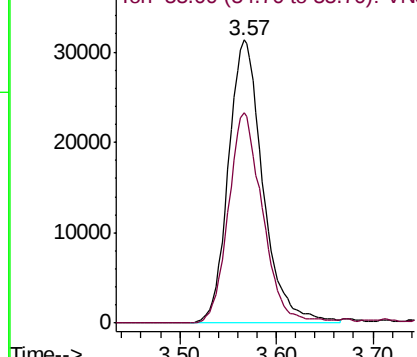
Ion Ratio Lower Upper

56 100

55 73.7 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 53.022 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

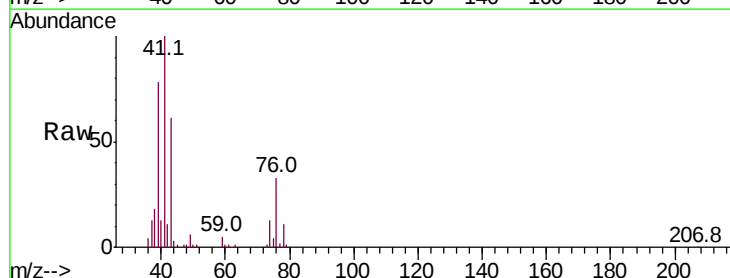
Tgt Ion: 41 Resp: 261860

Ion Ratio Lower Upper

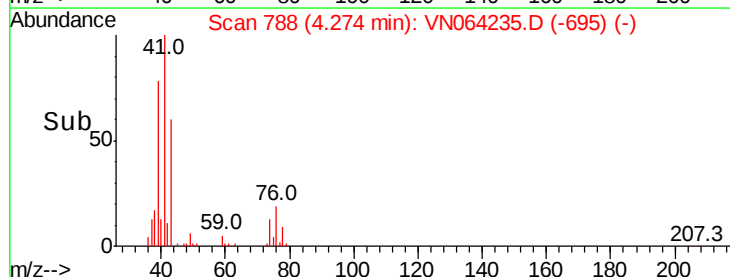
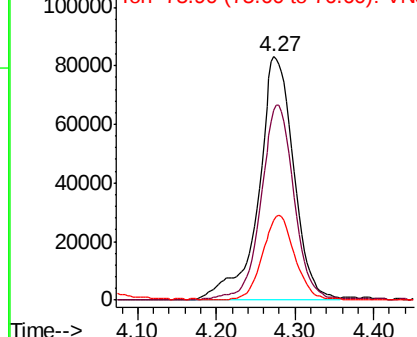
41 100

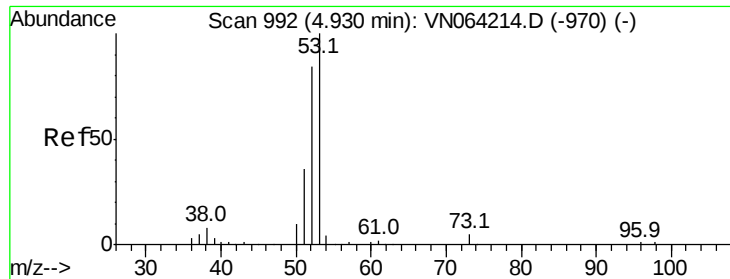
39 75.3 58.6 88.0

76 31.1 24.5 36.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 279.219 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

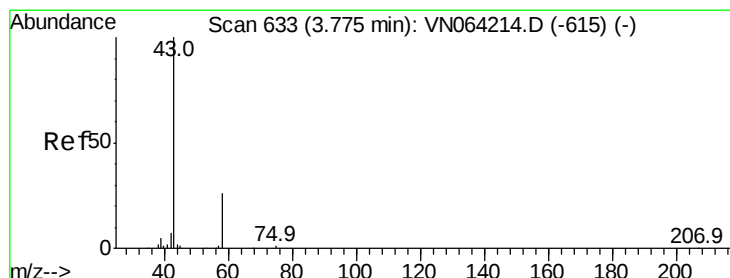
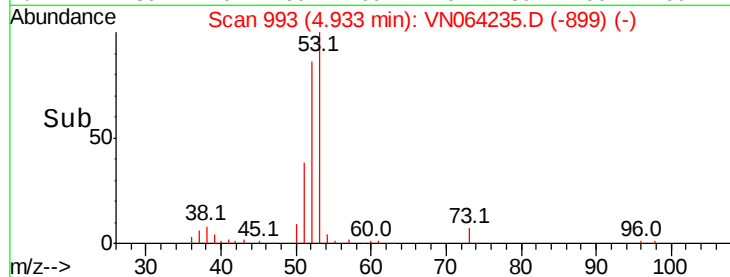
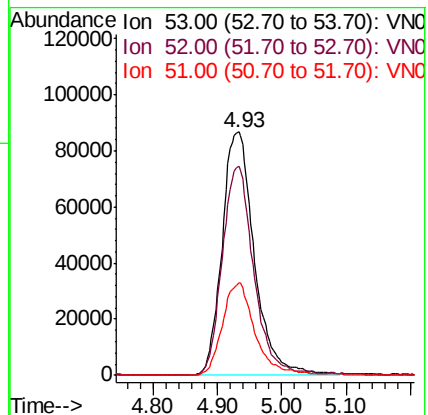
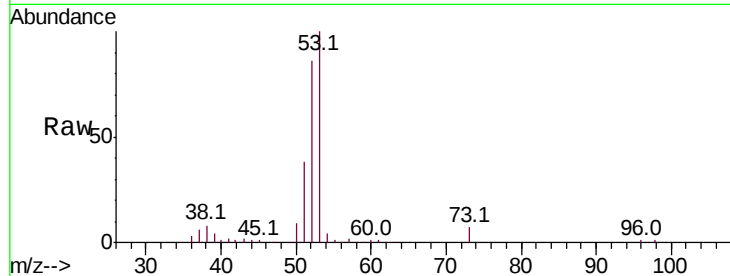
Tot Ion: 53 Resp: 302193

Ion Ratio Lower Upper

53 100

52 83.2 66.8 100.2

51 37.1 30.7 46.1



#16

Acetone

Concen: 280.275 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064235.D

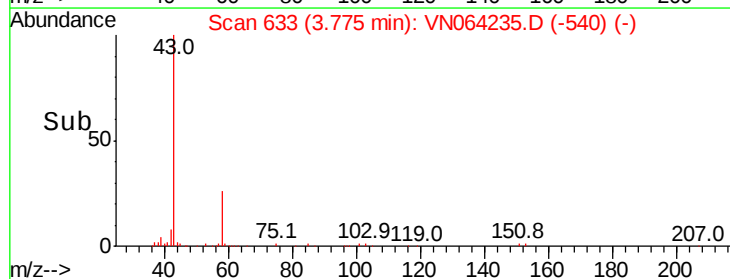
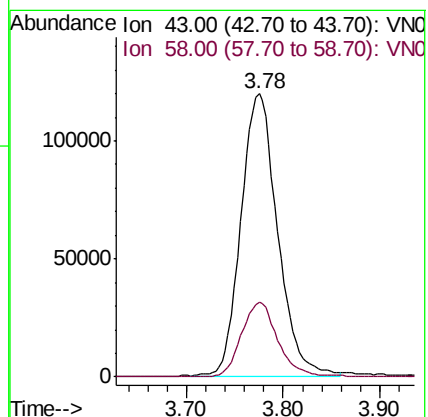
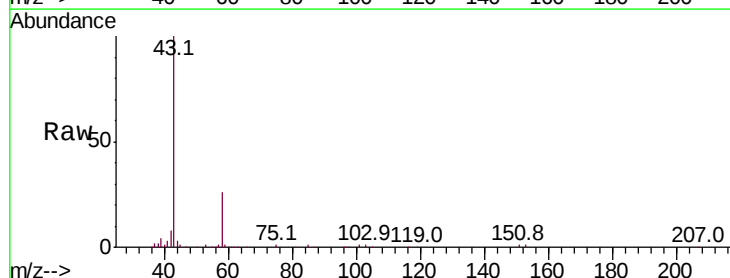
Acq: 21 Oct 2020 20:41

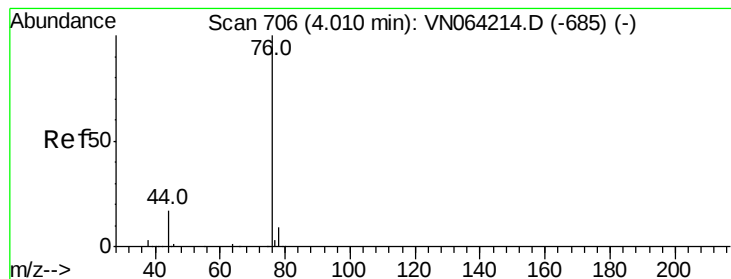
Tgt Ion: 43 Resp: 313555

Ion Ratio Lower Upper

43 100

58 26.5 21.0 31.4





#17

Carbon Disulfide

Concen: 53.208 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

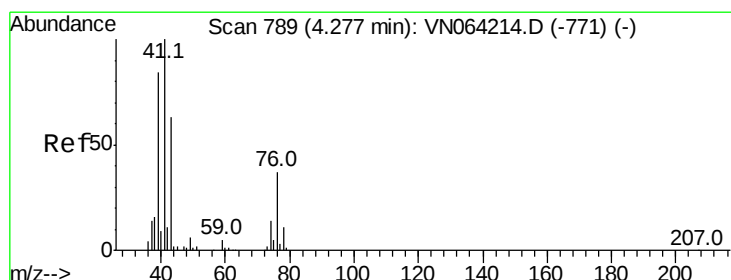
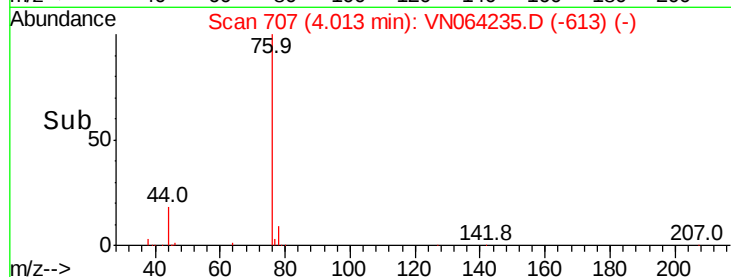
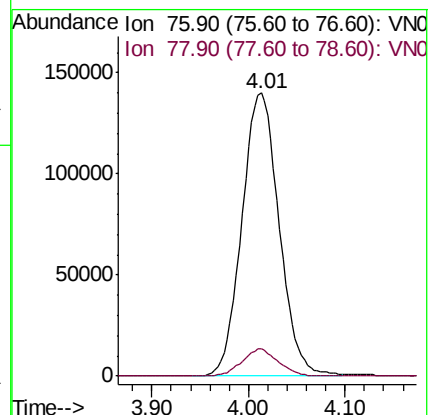
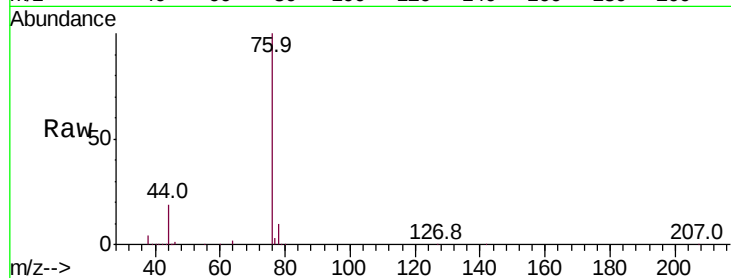
VSTDCCC050EC

Tot Ion: 76 Resp: 374516

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7



#18

Methyl Acetate

Concen: 54.527 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064235.D

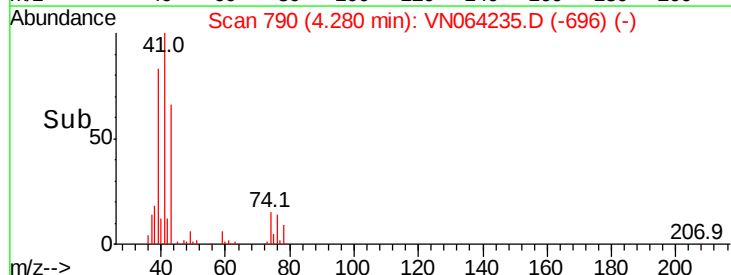
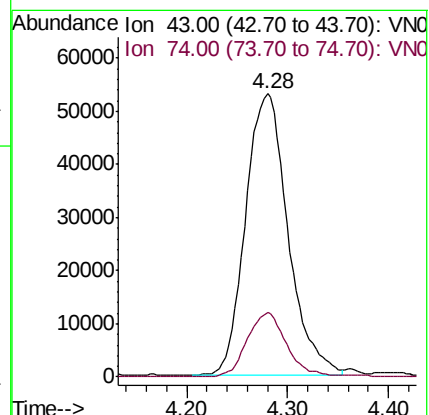
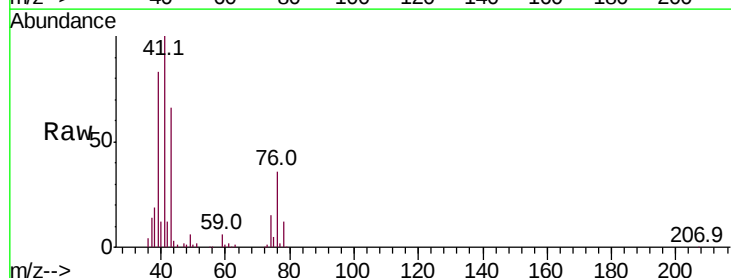
Acq: 21 Oct 2020 20:41

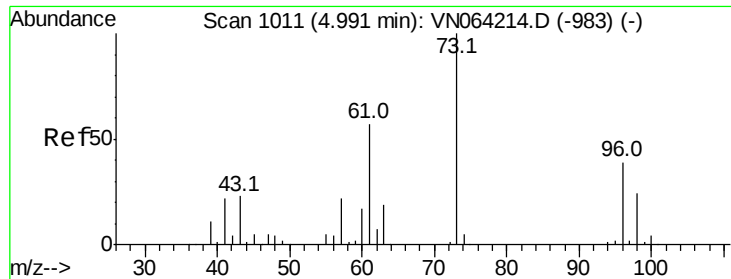
Tgt Ion: 43 Resp: 155444

Ion Ratio Lower Upper

43 100

74 21.1 17.9 26.9

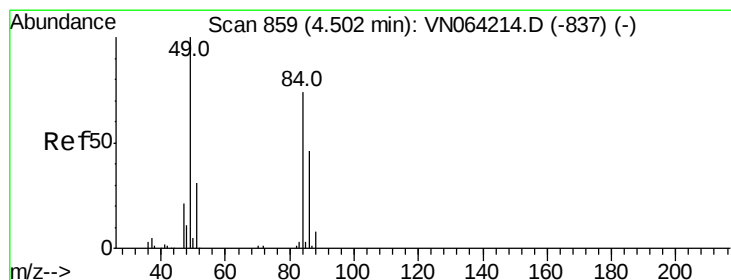
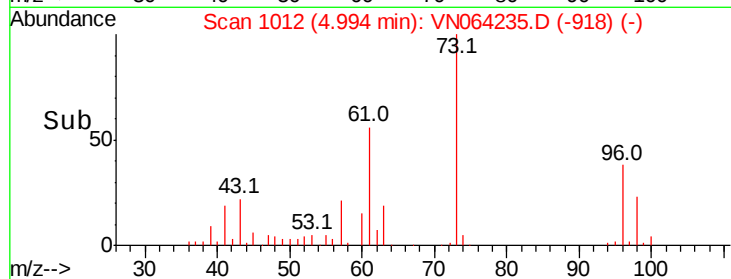
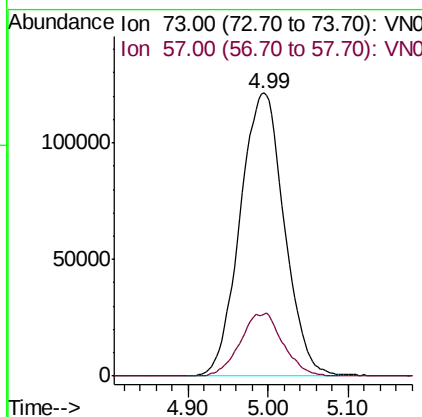
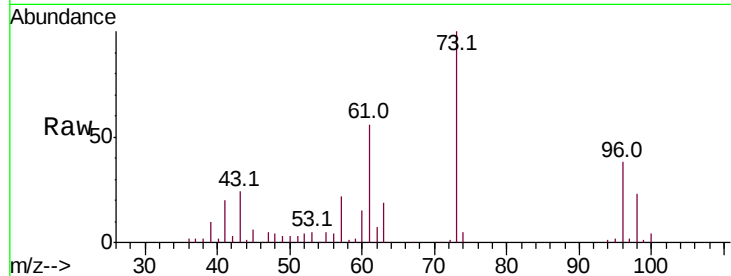




#19
Methvl tert-butvl Ether
Concen: 53.989 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

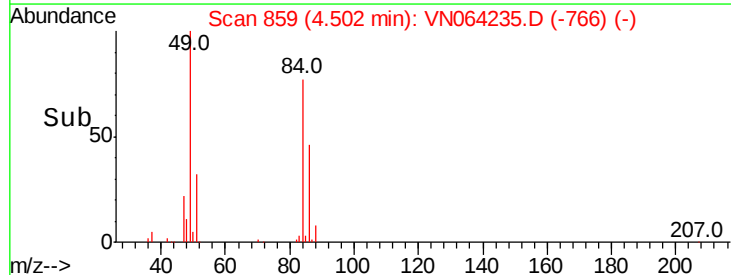
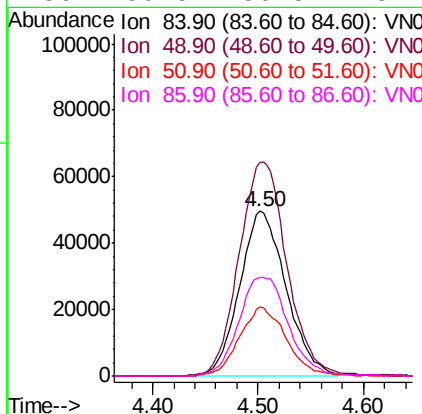
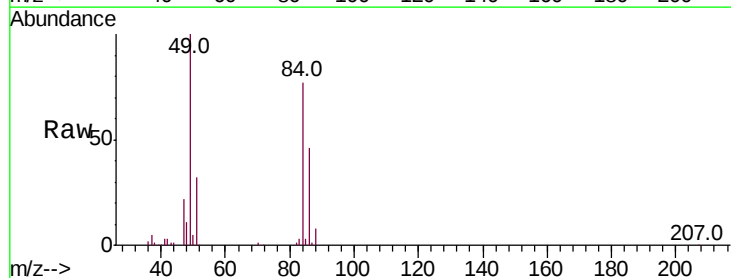
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

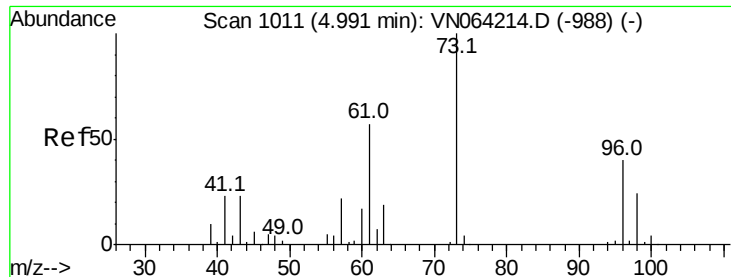
Tot Ion: 73 Resp: 458013
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 50.918 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 84 Resp: 151895
Ion Ratio Lower Upper
84 100
49 128.8 108.5 162.7
51 41.7 33.8 50.8
86 59.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 53.331 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

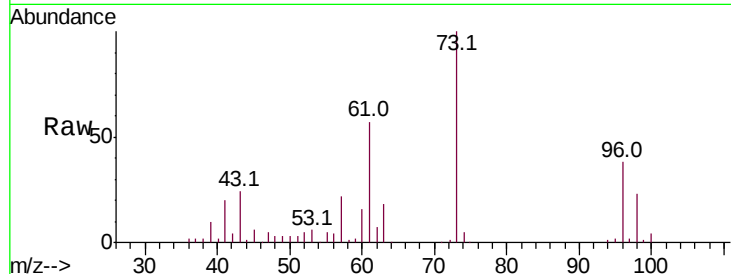
Tot Ion: 96 Resp: 145115

Ion Ratio Lower Upper

96 100

61 148.4 115.8 173.6

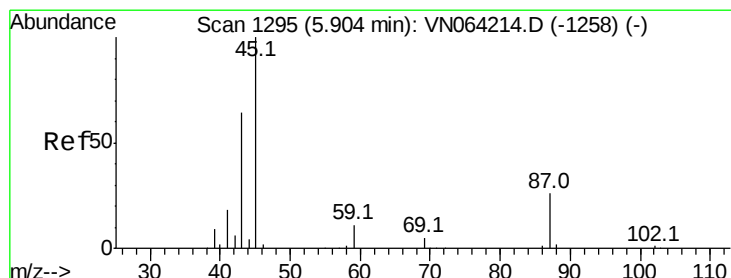
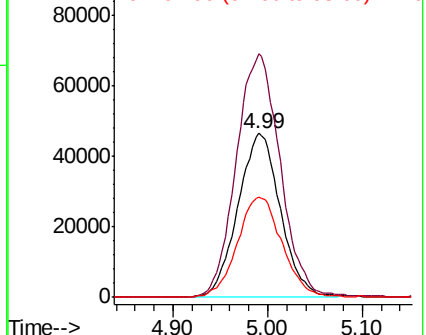
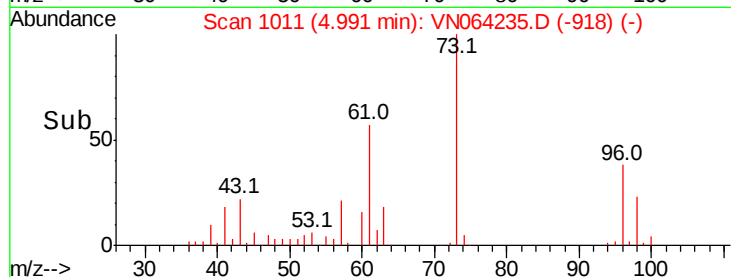
98 60.9 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN064235.D (-1202) (-)

Ion 60.90 (60.60 to 61.60): VN064235.D (-1202) (-)

Ion 97.90 (97.60 to 98.60): VN064235.D (-1202) (-)



#22

Diisopropyl ether

Concen: 52.030 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Tgt Ion: 45 Resp: 477684

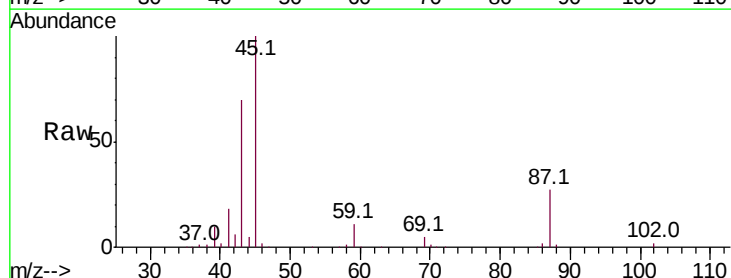
Ion Ratio Lower Upper

45 100

43 67.5 52.2 78.4

87 27.4 21.4 32.0

59 10.4 8.3 12.5

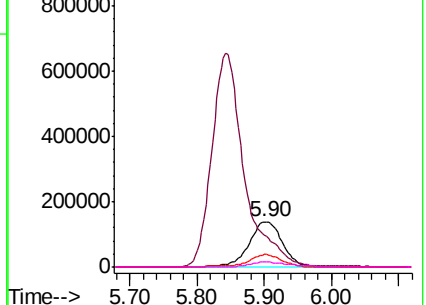
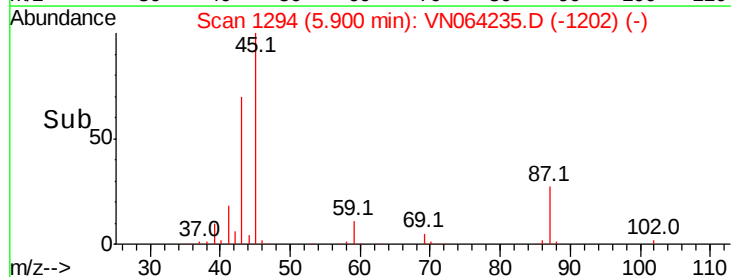


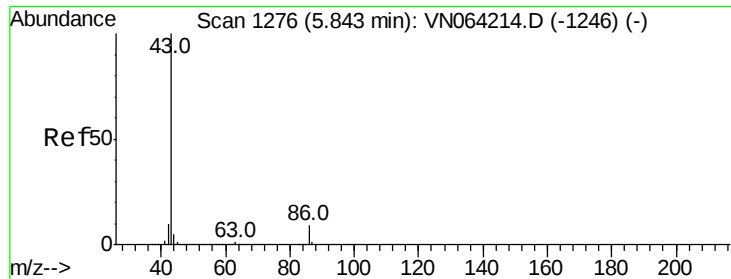
Abundance Ion 45.00 (44.70 to 45.70): VN064235.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064235.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064235.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064235.D (-1202) (-)

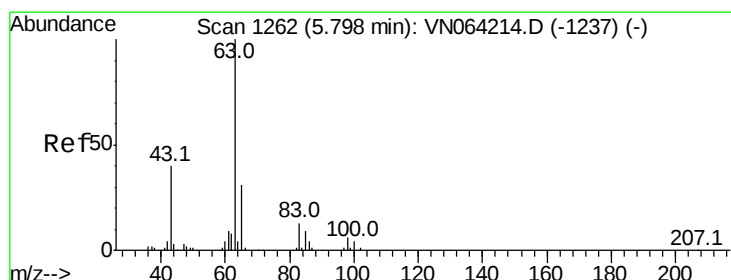
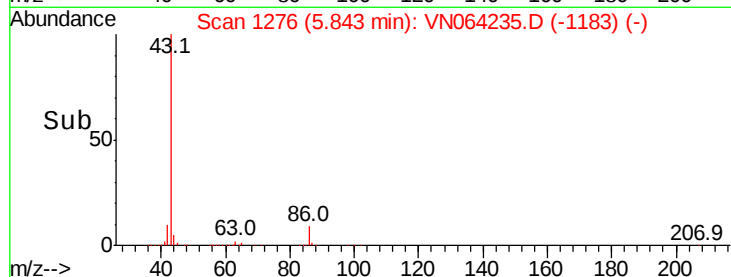
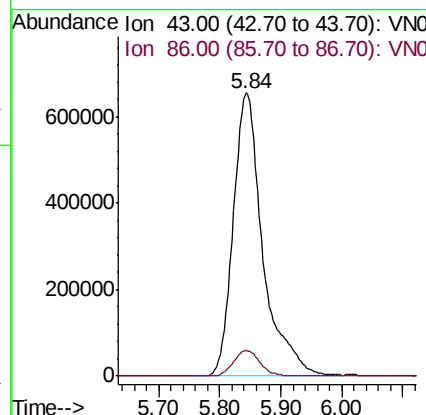
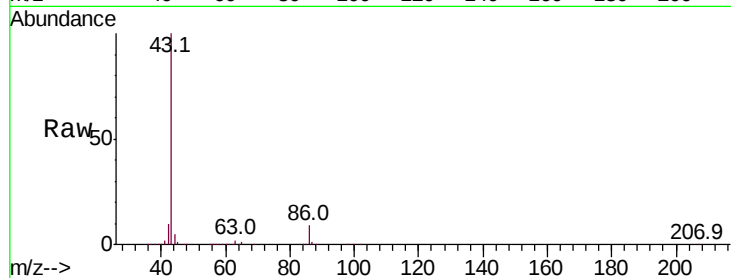




#23
 Vinyl Acetate
 Concen: 269.928 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

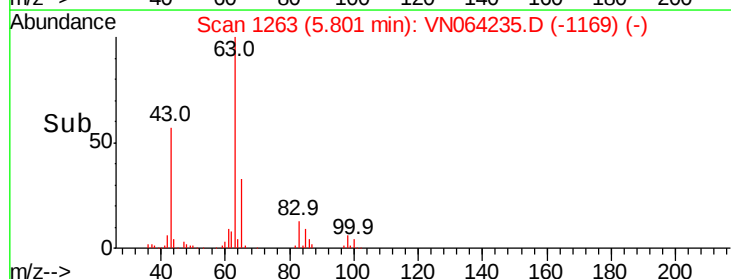
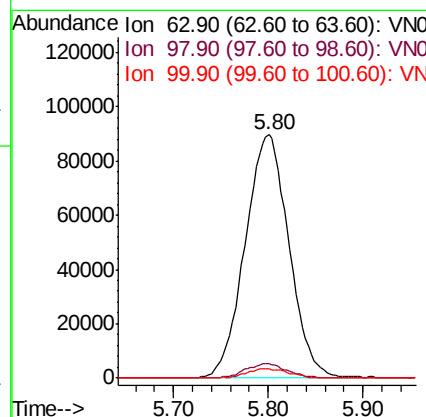
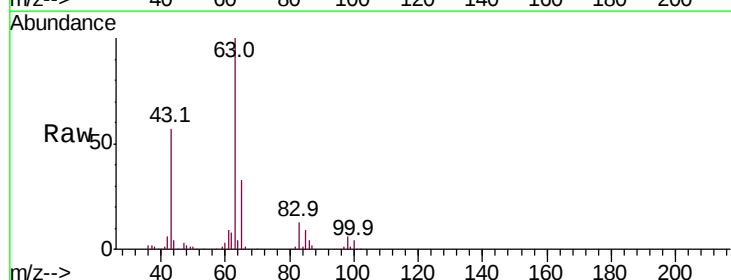
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

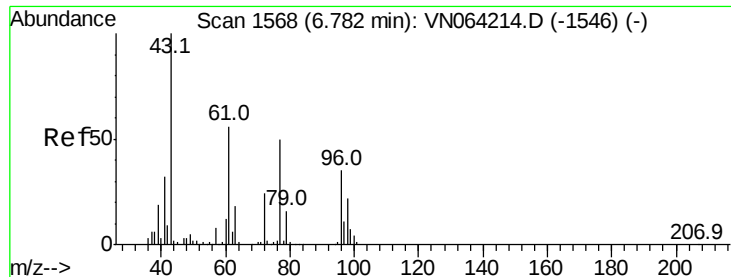
Tot Ion: 43 Resp: 2210061
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 54.107 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion: 63 Resp: 287770
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 265.881 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

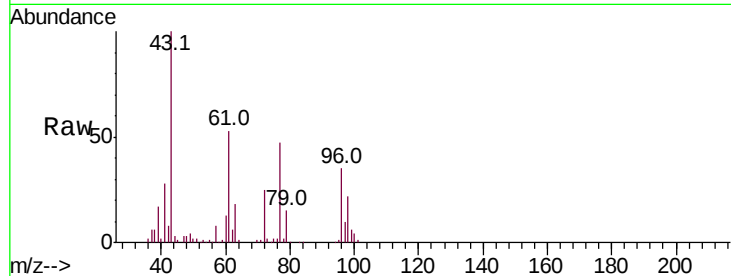
VSTDCCC050EC

Tot Ion: 43 Resp: 472583

Ion Ratio Lower Upper

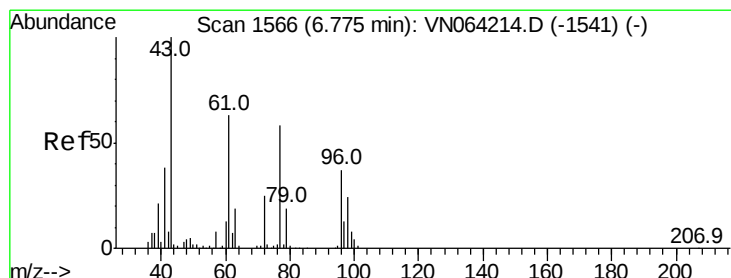
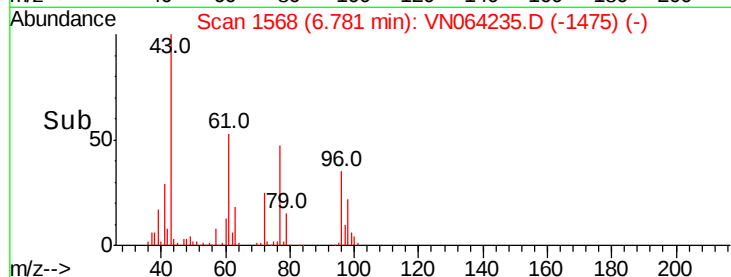
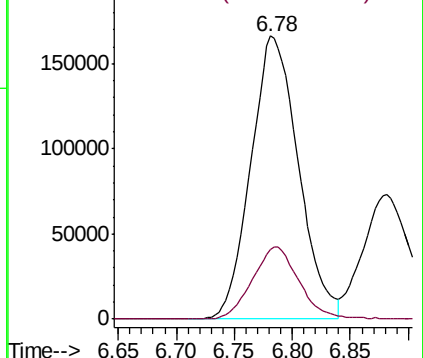
43 100

72 24.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.966 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064235.D

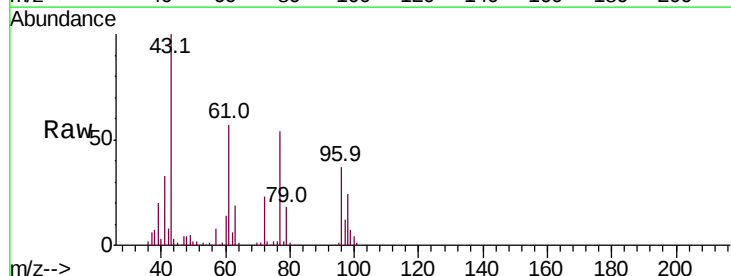
Acq: 21 Oct 2020 20:41

Tgt Ion: 77 Resp: 253976

Ion Ratio Lower Upper

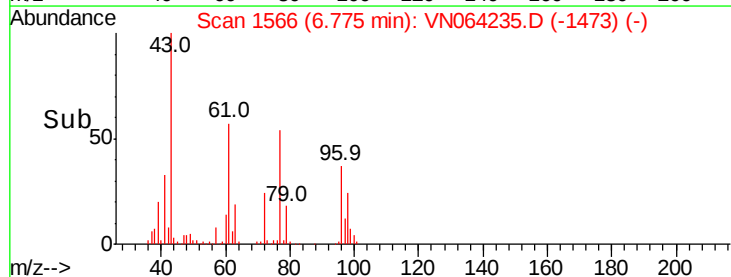
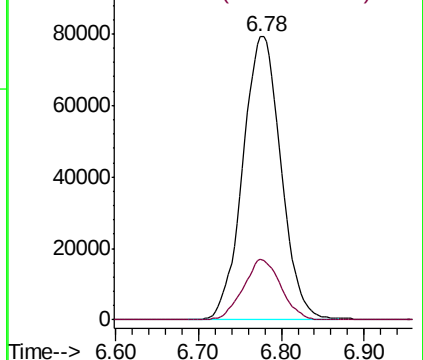
77 100

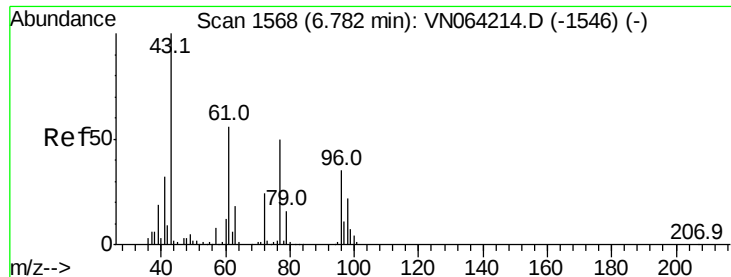
97 20.9 10.4 31.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 53.827 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

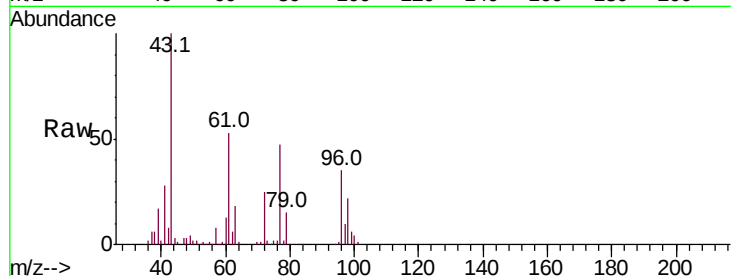
Tot Ion: 96 Resp: 170568

Ion Ratio Lower Upper

96 100

61 157.1 0.0 330.0

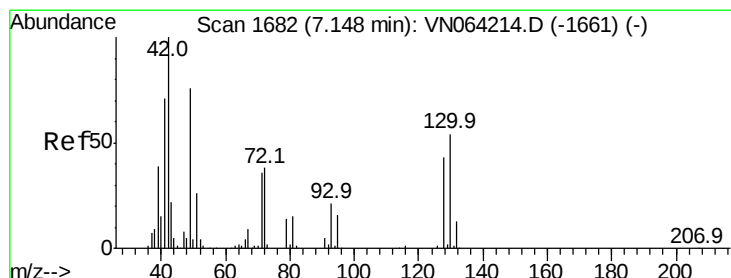
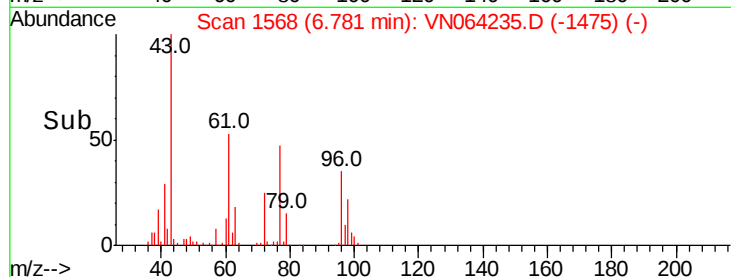
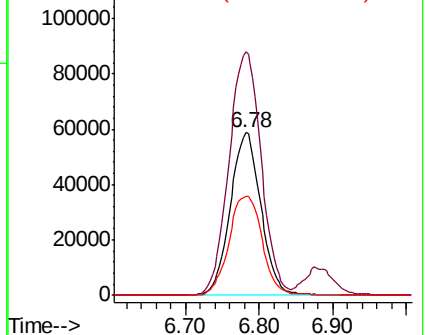
98 65.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 53.854 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

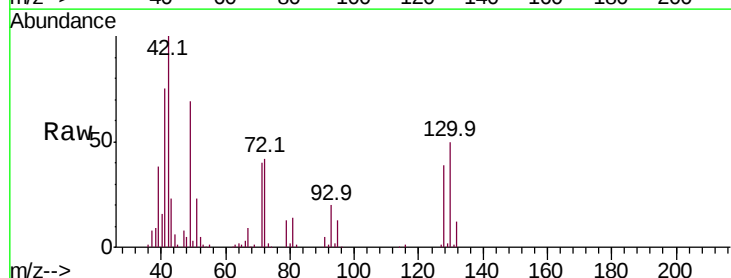
Tgt Ion: 49 Resp: 136070

Ion Ratio Lower Upper

49 100

129 1.2 0.0 2.8

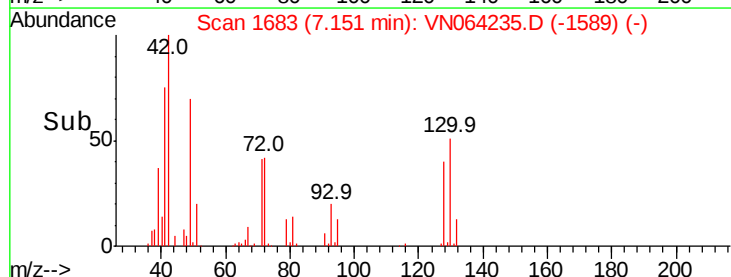
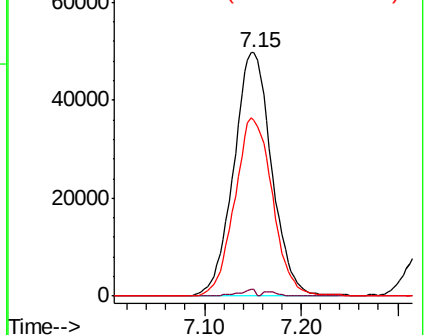
130 72.5 58.8 88.2

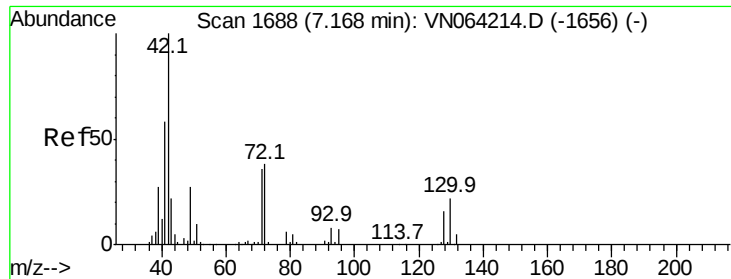


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 270.394 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

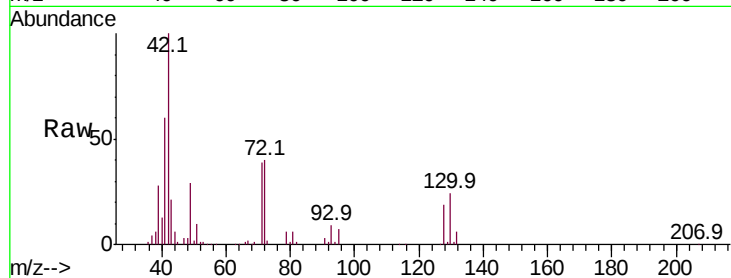
Tot Ion: 42 Resp: 287485

Ion Ratio Lower Upper

42 100

72 40.2 30.8 46.2

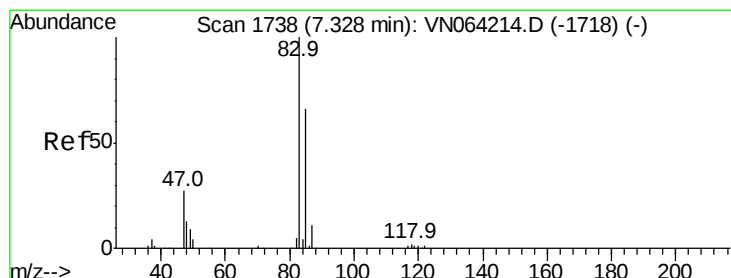
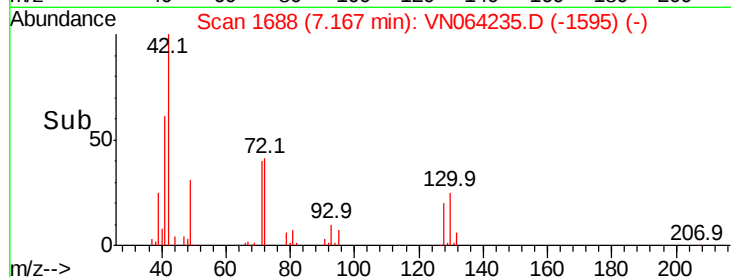
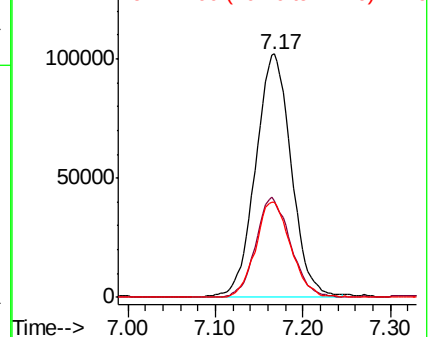
71 38.6 29.0 43.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 53.810 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064235.D

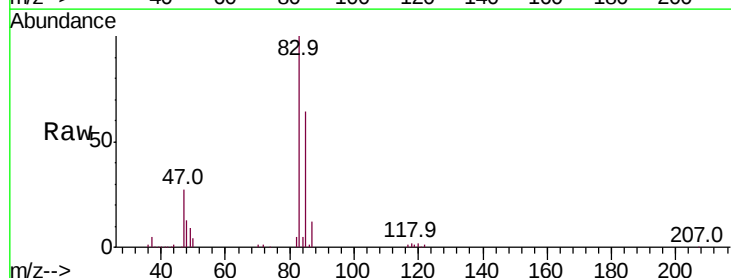
Acq: 21 Oct 2020 20:41

Tgt Ion: 83 Resp: 305274

Ion Ratio Lower Upper

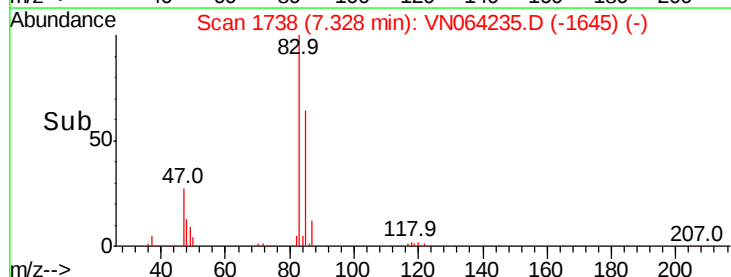
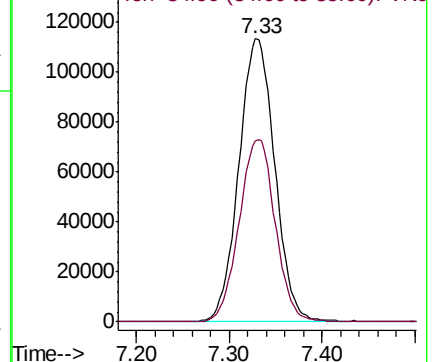
83 100

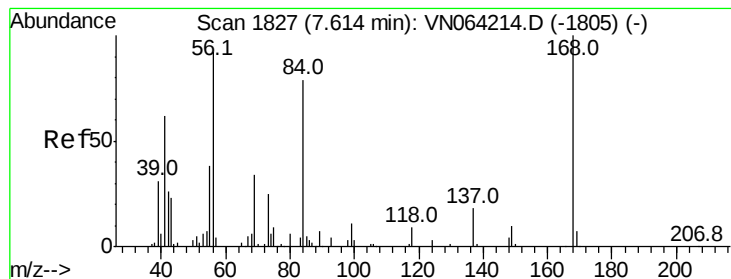
85 63.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 49.251 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

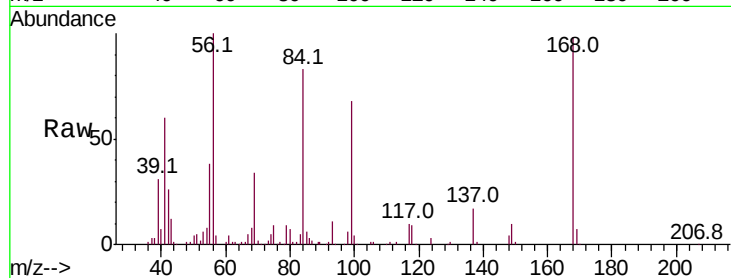
Tot Ion: 56 Resp: 228279

Ion Ratio Lower Upper

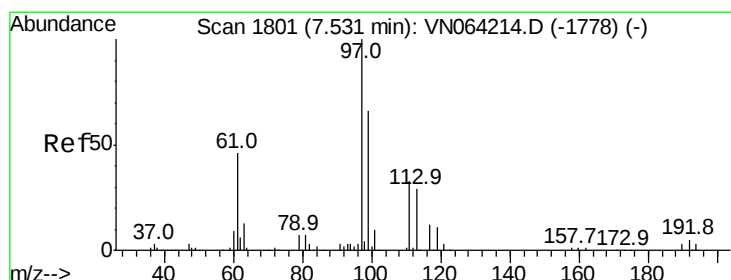
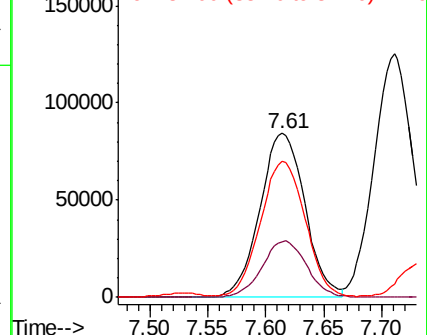
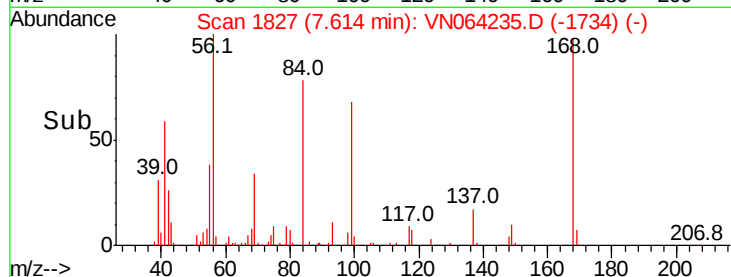
56 100

69 34.0 29.8 44.6

84 81.3 68.1 102.1



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



#32

1,1,1-Trichloroethane

Concen: 55.020 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

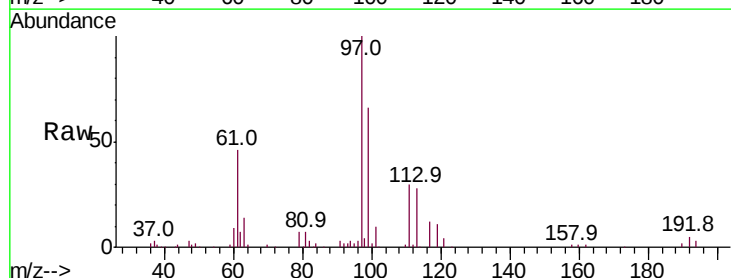
Tgt Ion: 97 Resp: 292408

Ion Ratio Lower Upper

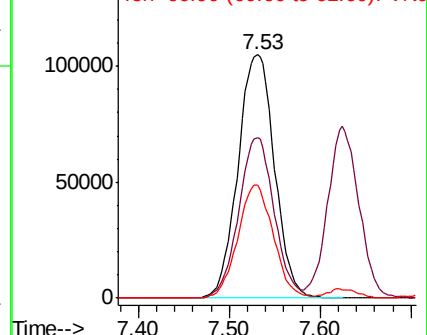
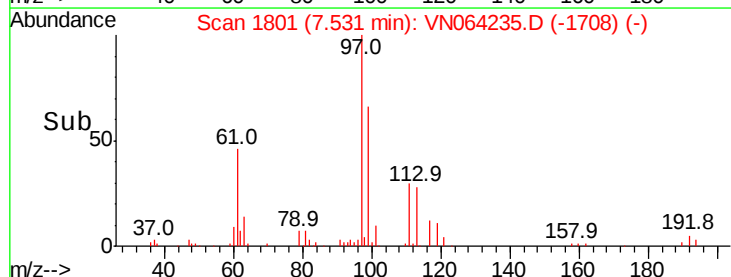
97 100

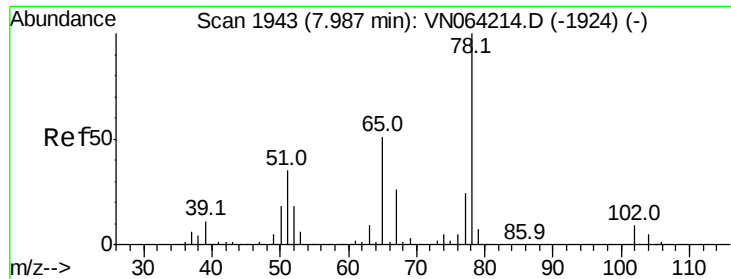
99 63.9 51.2 76.8

61 45.4 36.3 54.5



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

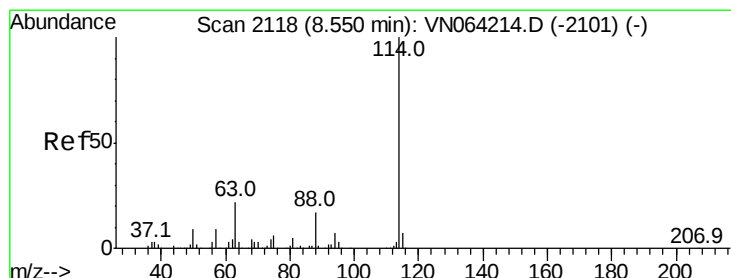
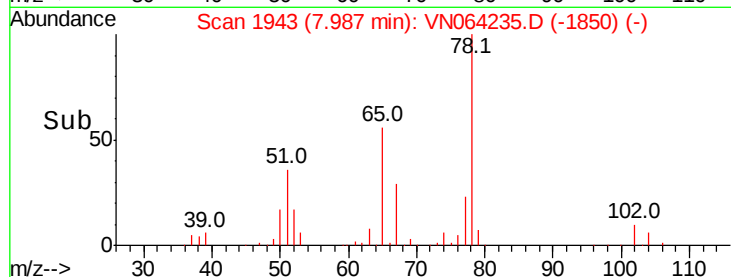
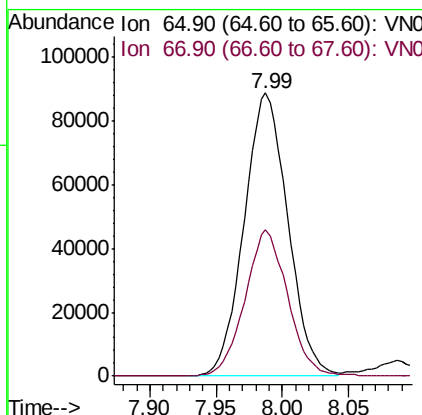
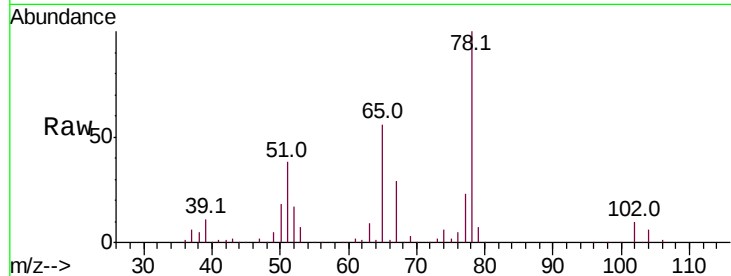




#33
 1,2-Dichloroethane-d4
 Concen: 52.072 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

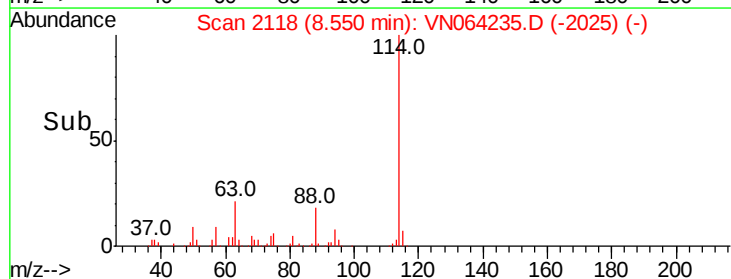
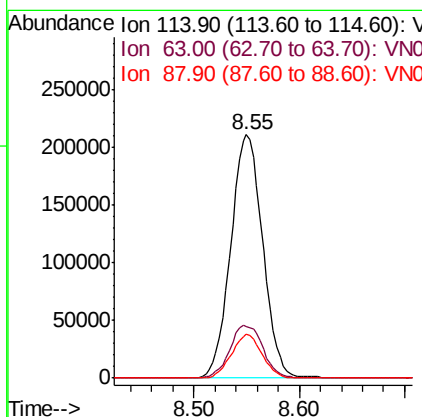
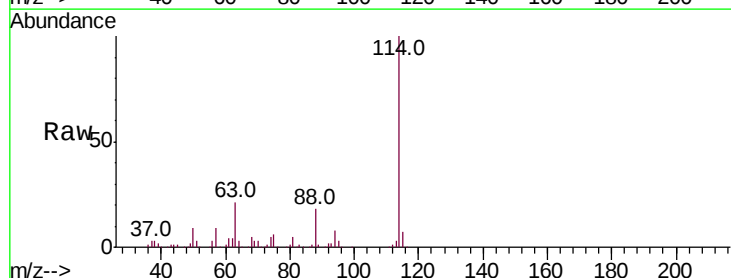
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

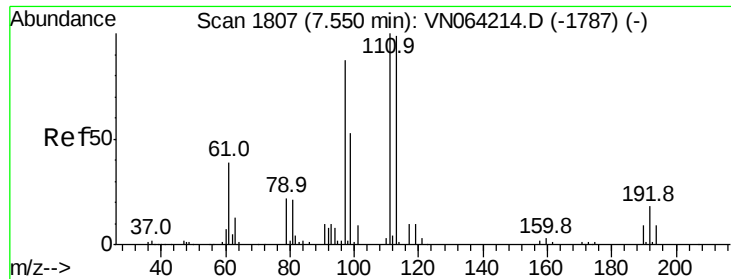
Tot Ion: 65 Resp: 203600
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion: 114 Resp: 443753
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.0
 88 18.0 0.0 34.2

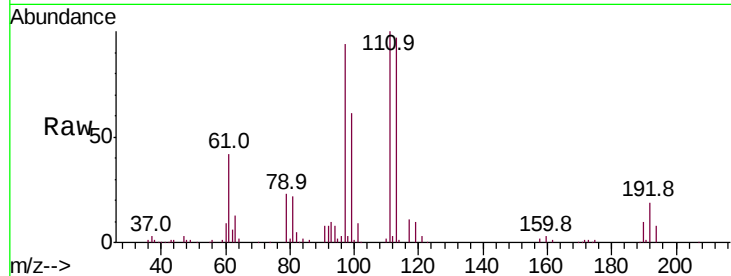




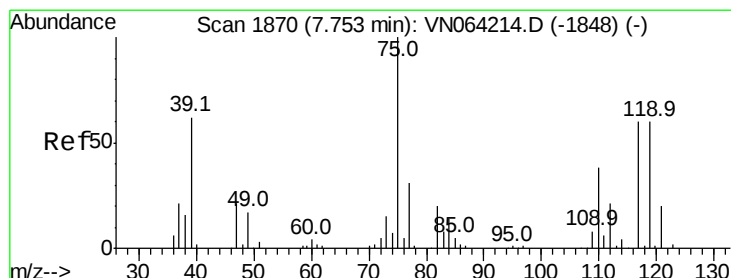
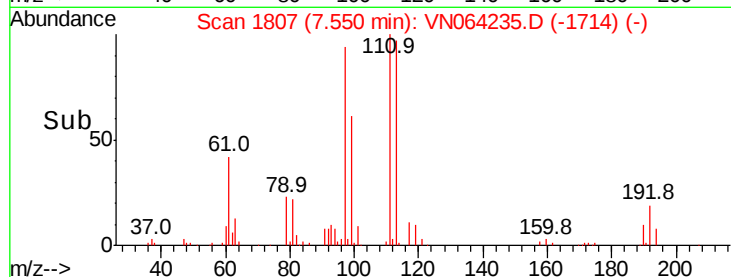
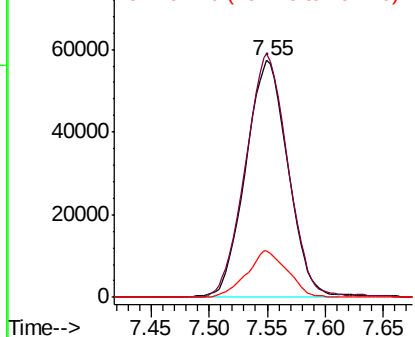
#35
Dibromofluoromethane
Concen: 49.192 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 145131
Ion Ratio Lower Upper
113 100
111 103.1 84.2 126.2
192 19.1 15.2 22.8

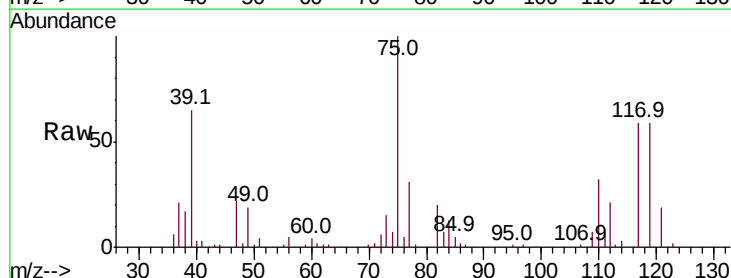


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

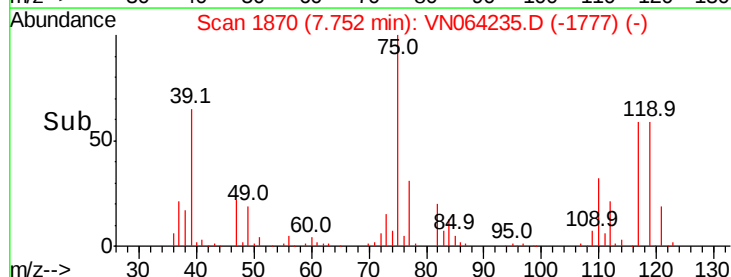
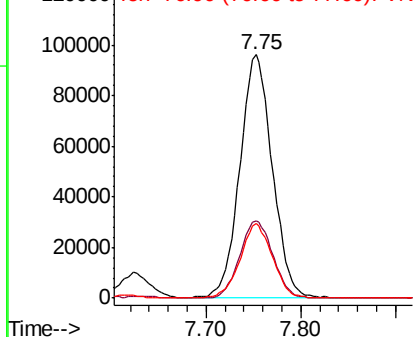


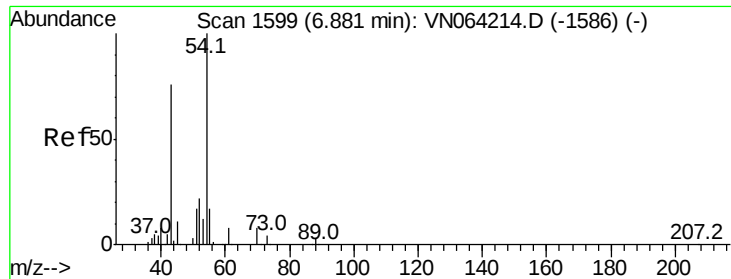
#36
1,1-Dichloropropene
Concen: 51.605 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 75 Resp: 228301
Ion Ratio Lower Upper
75 100
110 32.4 17.2 51.6
77 30.6 24.9 37.3



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

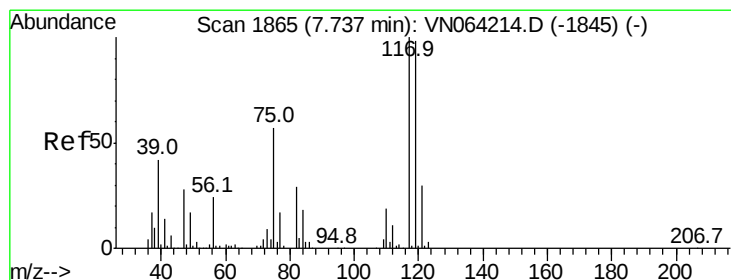
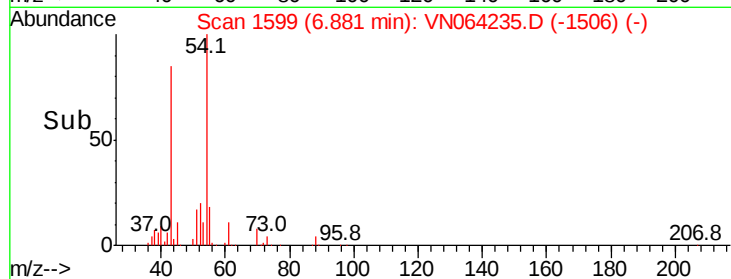
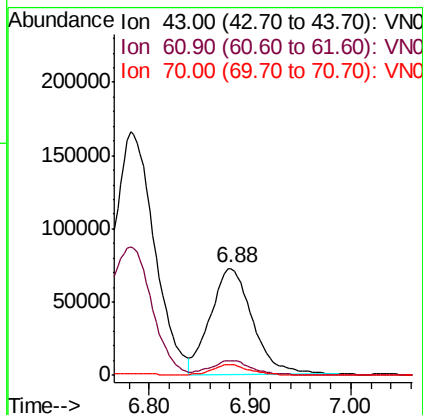
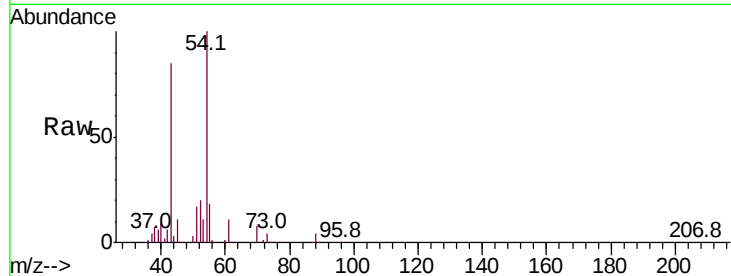




#37
Ethyl Acetate
Concen: 52.311 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

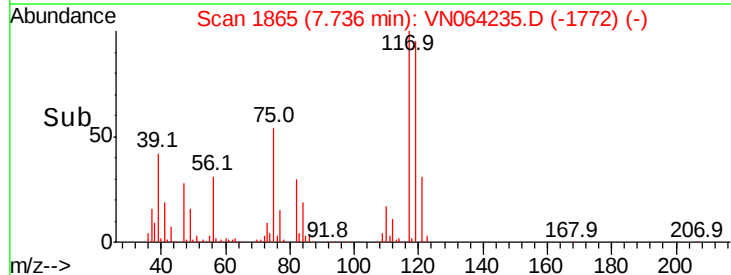
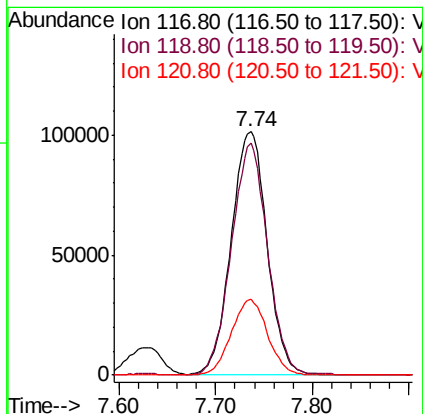
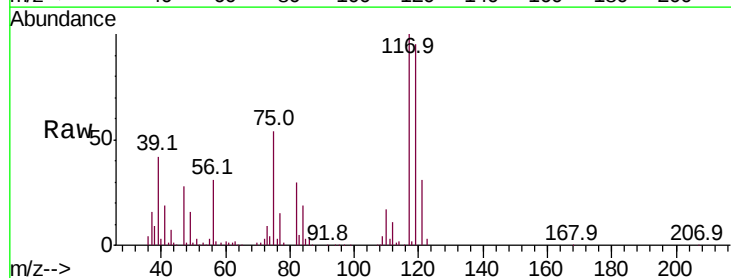
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

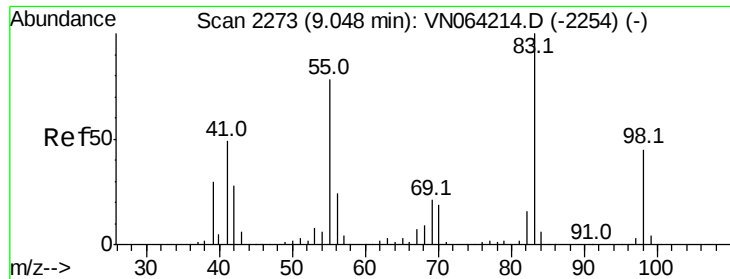
Tot Ion: 43 Resp: 210119
Ion Ratio Lower Upper
43 100
61 13.3 10.0 15.0
70 9.3 7.5 11.3



#38
Carbon Tetrachloride
Concen: 51.843 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 117 Resp: 260951
Ion Ratio Lower Upper
117 100
119 95.4 78.5 117.7
121 31.0 24.3 36.5

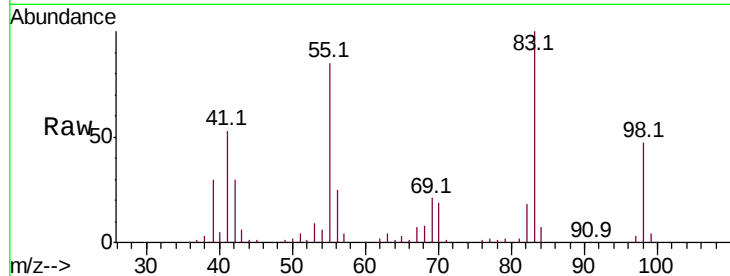




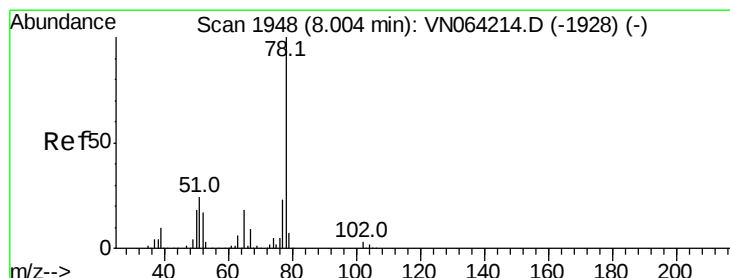
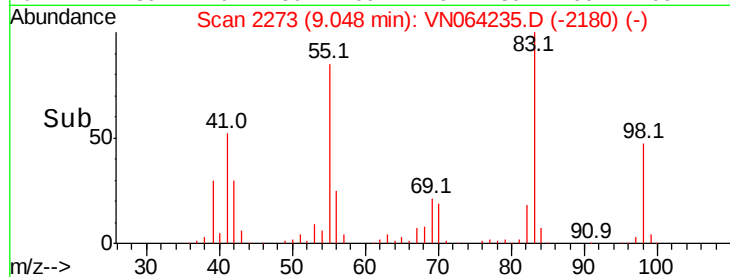
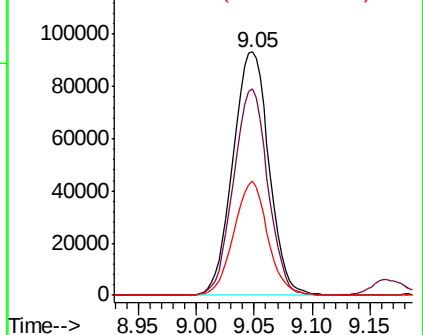
#39
Methvlcvclohexane
Concen: 50.115 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 201598
Ion Ratio Lower Upper
83 100
55 84.9 62.2 93.2
98 46.7 35.9 53.9

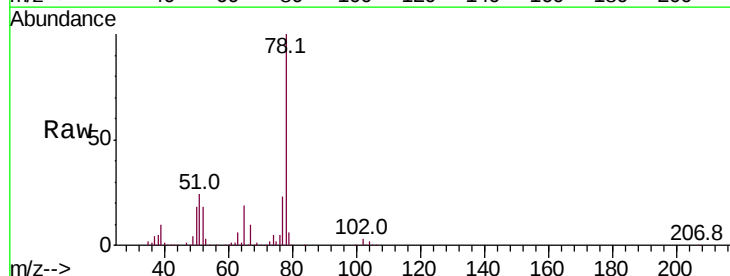


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

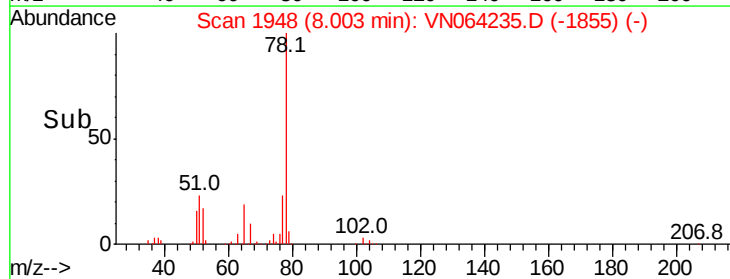
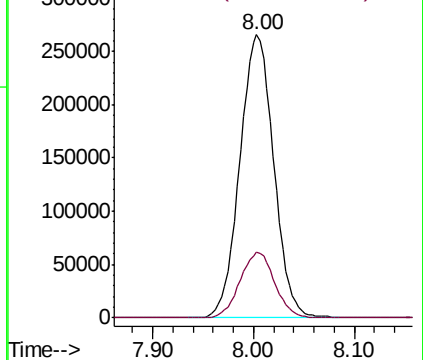


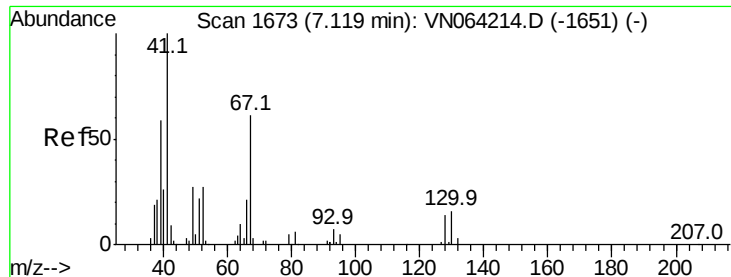
#40
Benzene
Concen: 50.561 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 78 Resp: 617460
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5



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

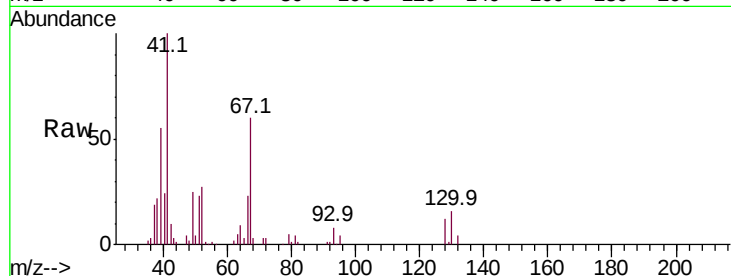




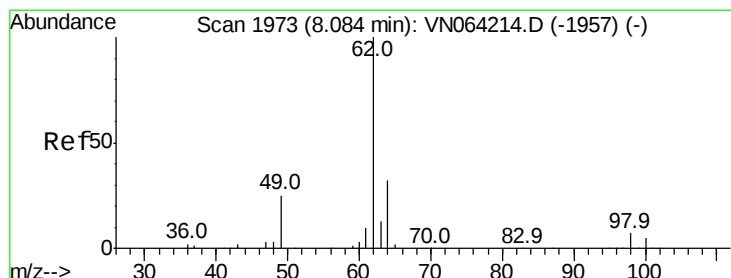
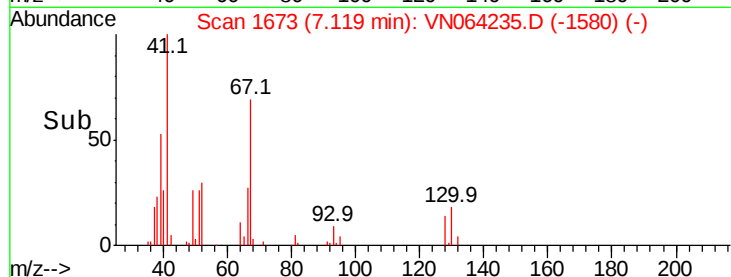
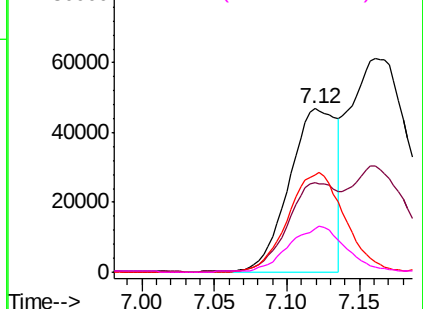
#41
Methacrylonitrile
Concen: 50.429 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	106255
Ion	Ratio	Lower	Upper
41	100		
39	54.7	50.5	75.7
67	73.3	63.2	94.8
52	34.3	29.3	43.9

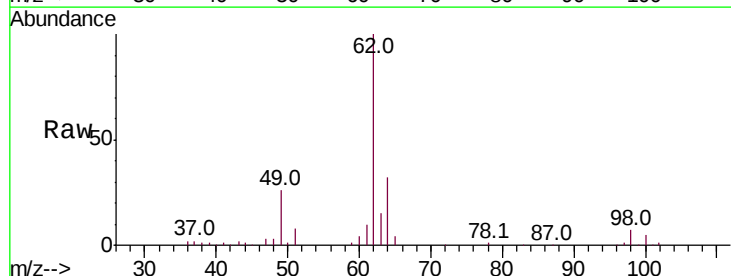


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

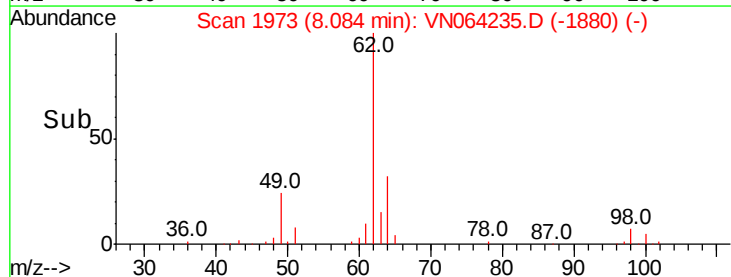
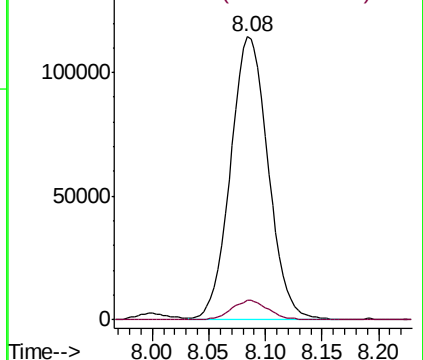


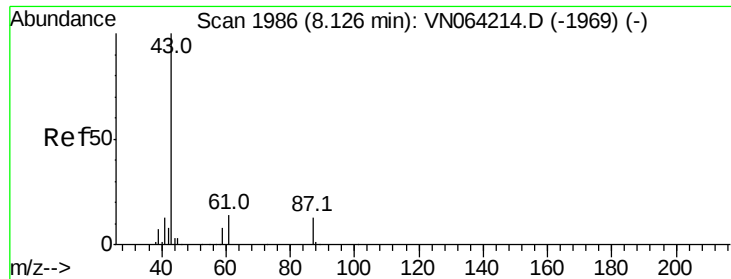
#42
1,2-Dichloroethane
Concen: 50.554 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion:	62	Resp:	264470
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	15.0



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





#43

Isopropyl Acetate

Concen: 52.155 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

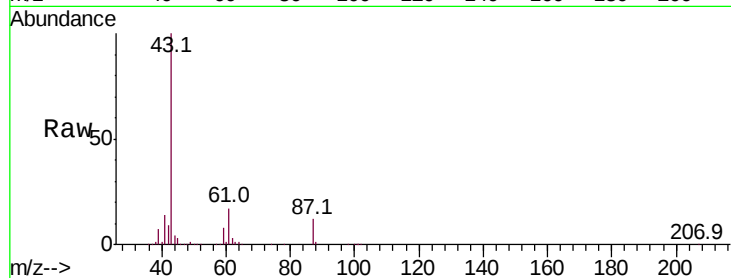
Tot Ion: 43 Resp: 390423

Ion Ratio Lower Upper

43 100

61 24.3 19.6 29.4

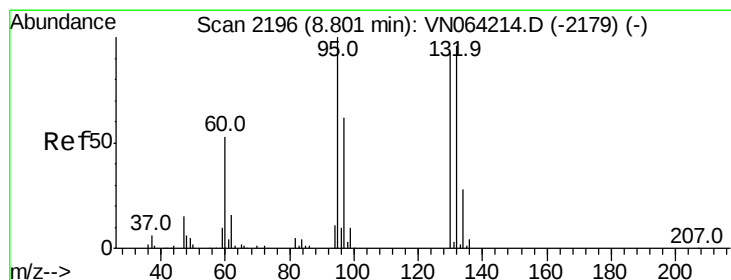
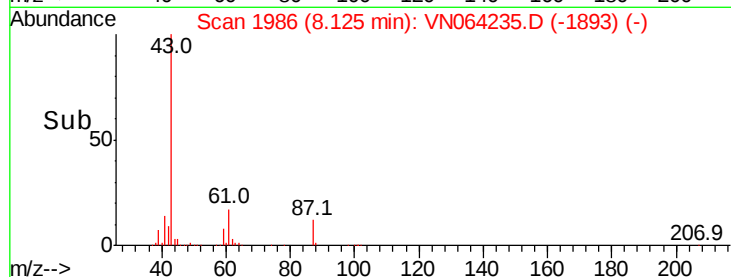
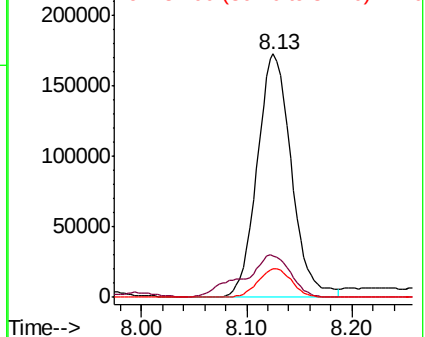
87 11.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 50.857 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064235.D

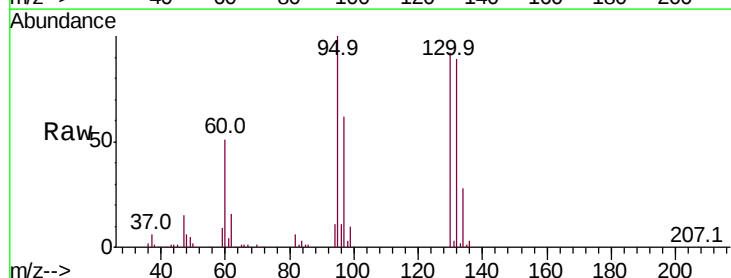
Acq: 21 Oct 2020 20:41

Tgt Ion:130 Resp: 169243

Ion Ratio Lower Upper

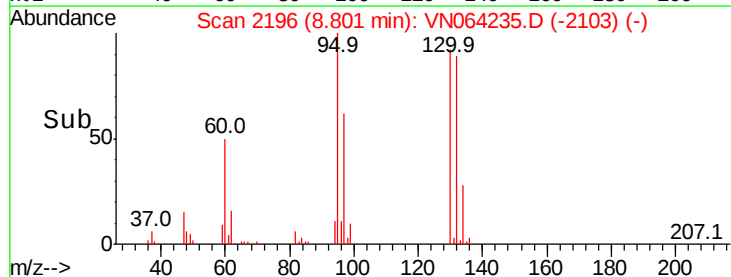
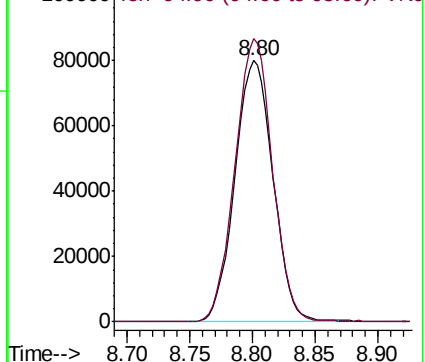
130 100

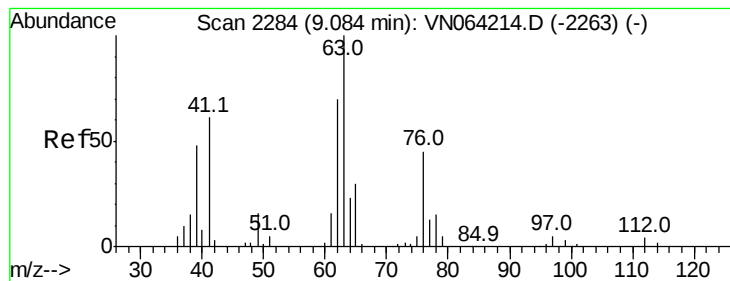
95 108.4 0.0 214.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 50.886 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

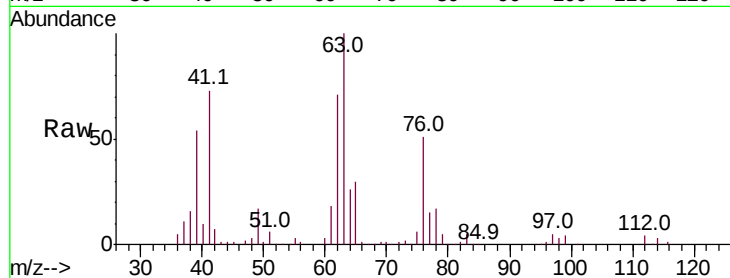
VSTDCCC050EC

Tot Ion: 63 Resp: 165897

Ion Ratio Lower Upper

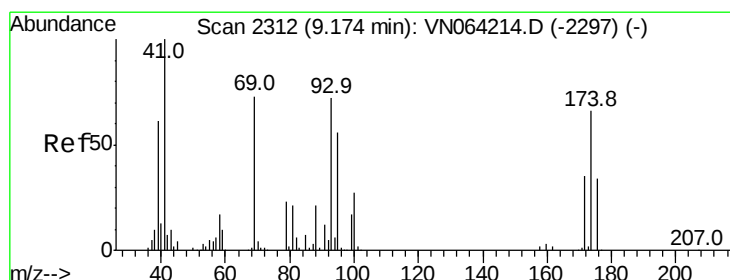
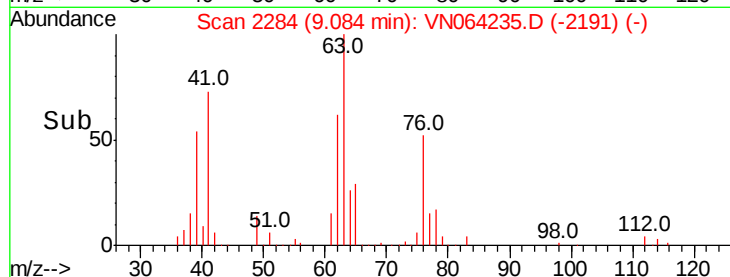
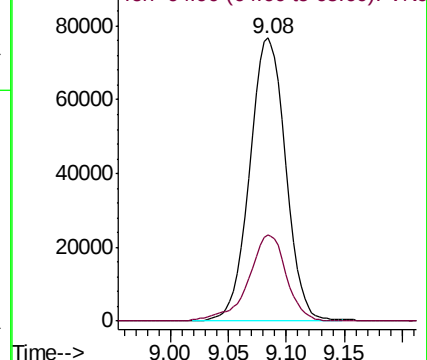
63 100

65 30.4 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.962 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

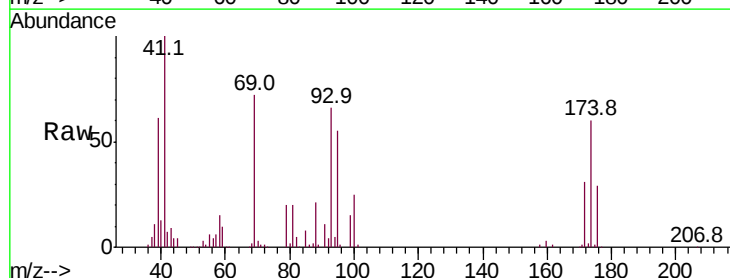
Tgt Ion: 93 Resp: 115940

Ion Ratio Lower Upper

93 100

95 82.1 63.0 94.4

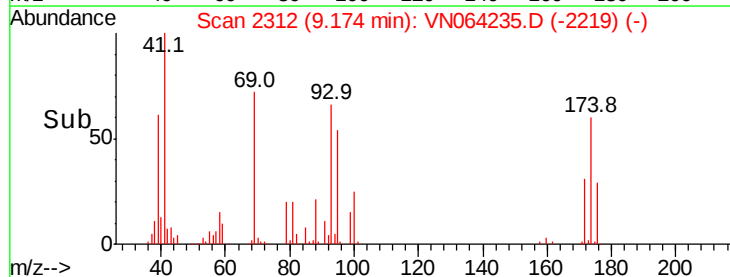
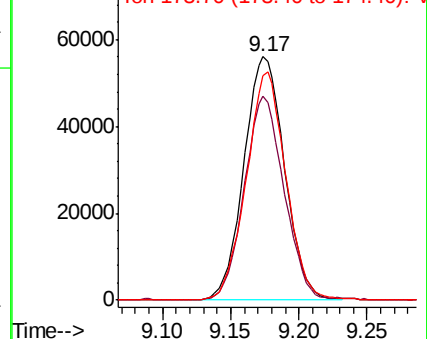
174 91.3 72.9 109.3

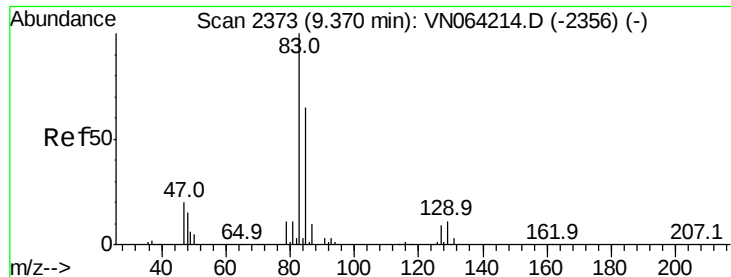


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.202 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

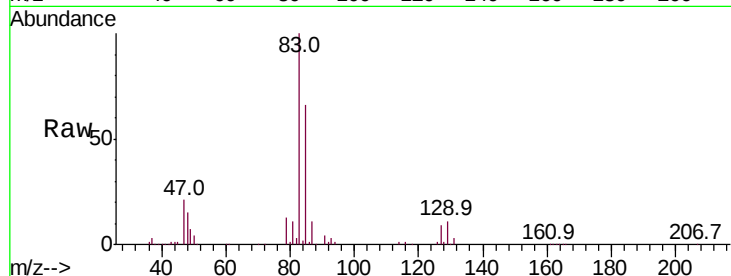
Tot Ion: 83 Resp: 252473

Ion Ratio Lower Upper

83 100

85 66.3 51.8 77.8

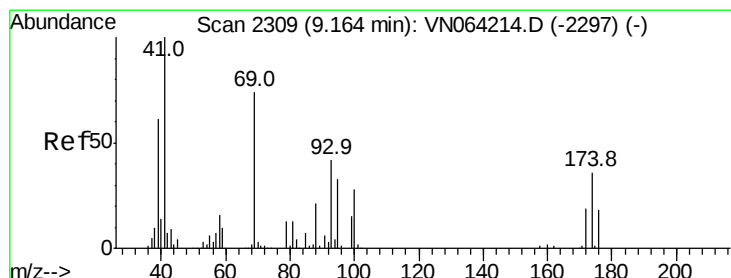
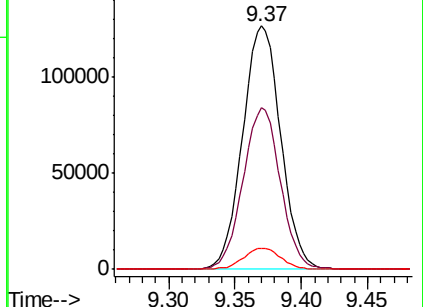
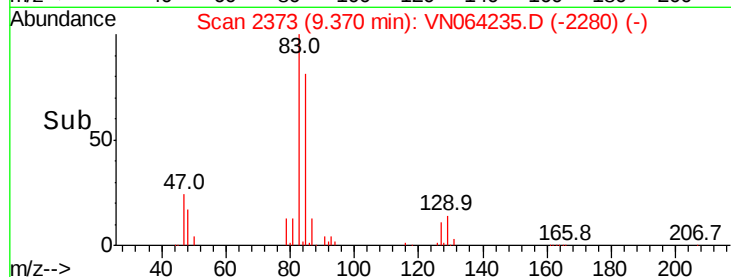
127 8.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN064235.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064235.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064235.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.512 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

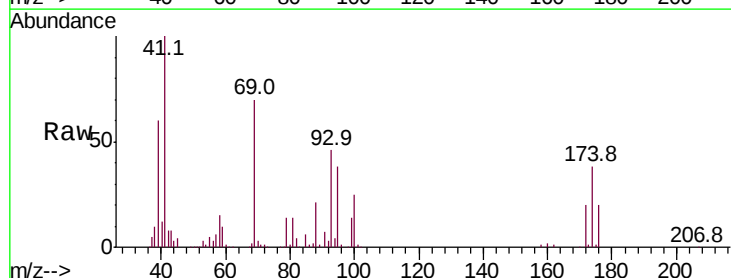
Tgt Ion: 41 Resp: 197524

Ion Ratio Lower Upper

41 100

69 71.7 57.3 85.9

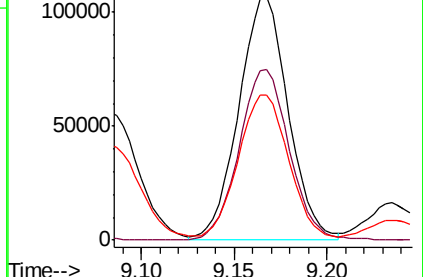
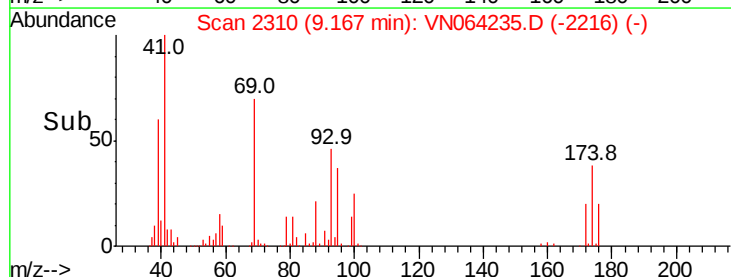
39 61.8 48.6 73.0

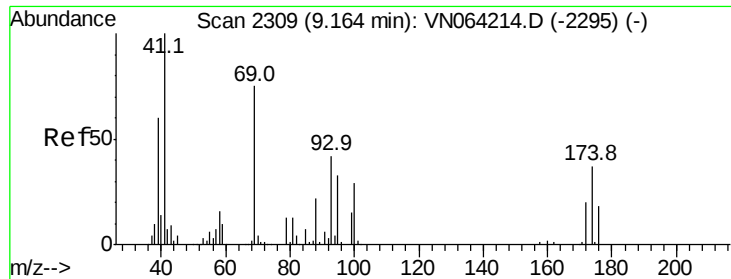


Abundance Ion 41.00 (40.70 to 41.70): VN064235.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064235.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064235.D (-2216) (-)

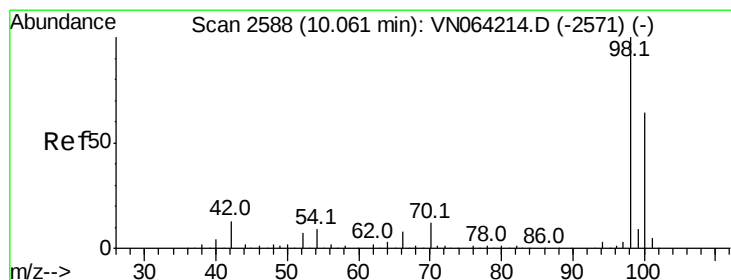
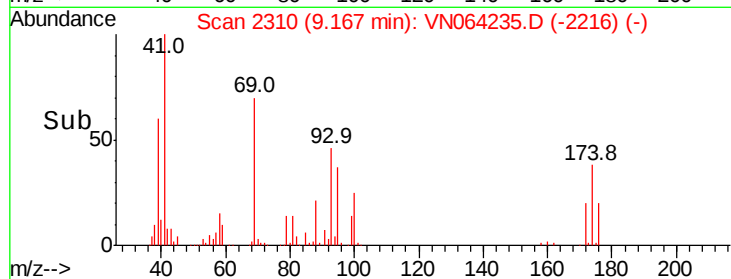
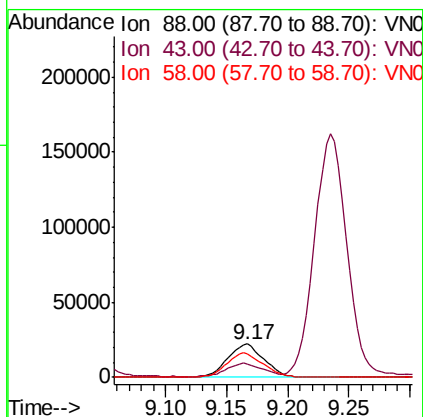
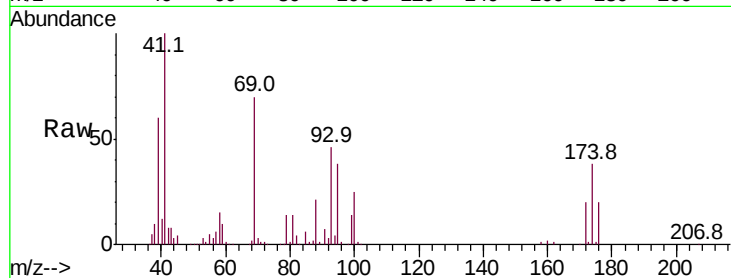




#49
1,4-Dioxane
Concen: 1006.773 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

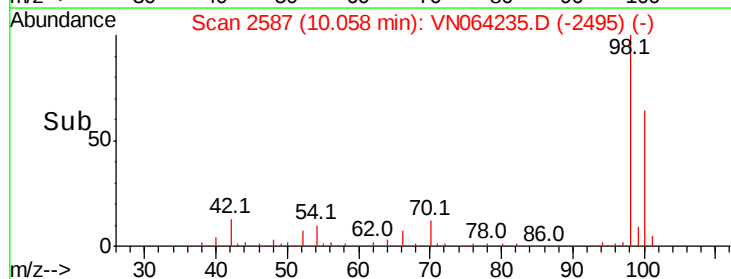
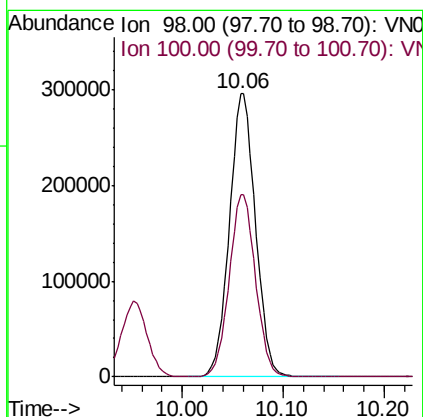
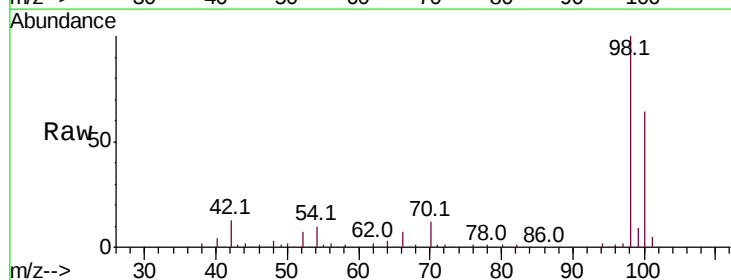
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

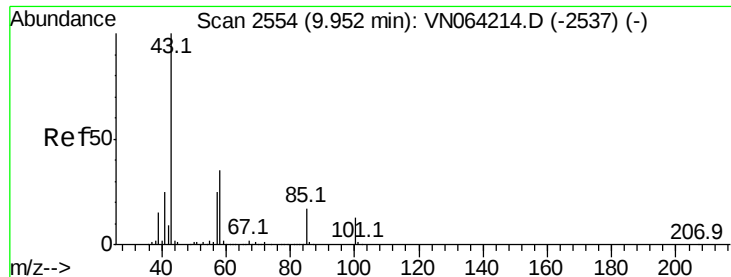
Tot Ion: 88 Resp: 46064
Ion Ratio Lower Upper
88 100
43 39.7 34.6 52.0
58 73.7 59.0 88.6



#50
Toluene-d8
Concen: 49.787 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 98 Resp: 532832
Ion Ratio Lower Upper
98 100
100 64.9 50.8 76.2

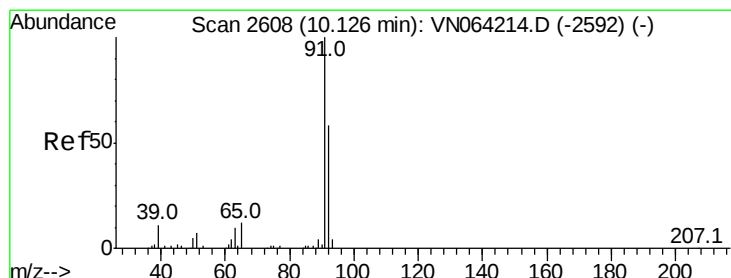
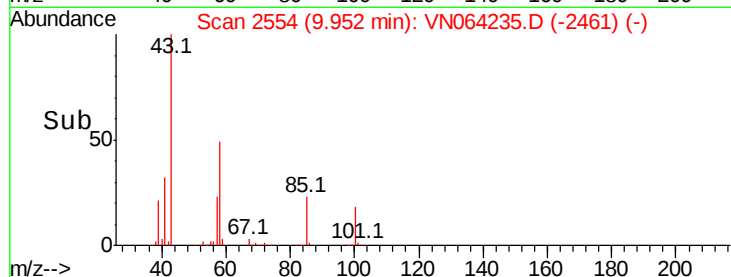
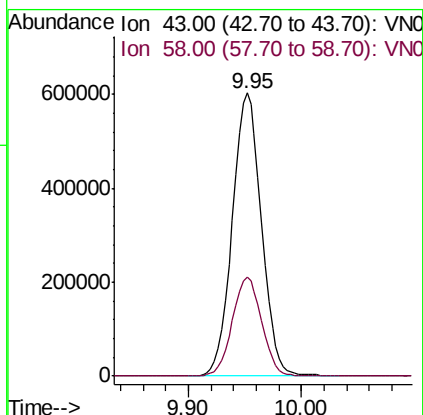
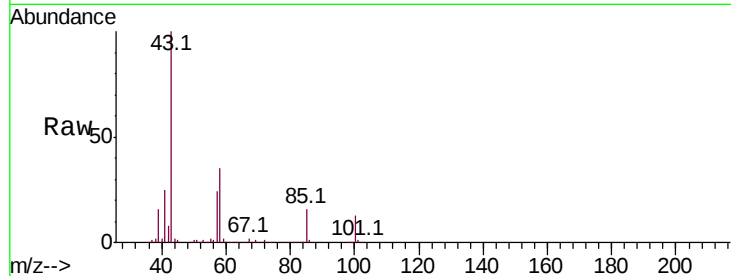




#51
4-Methyl-2-Pentanone
Concen: 268.655 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

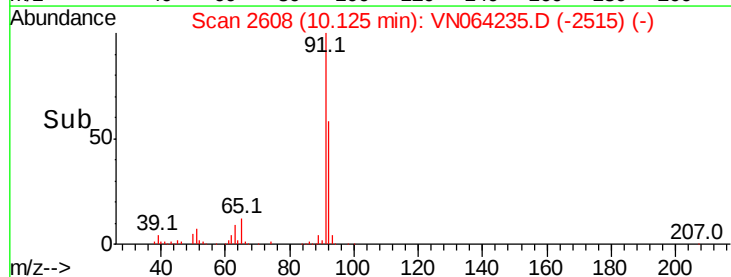
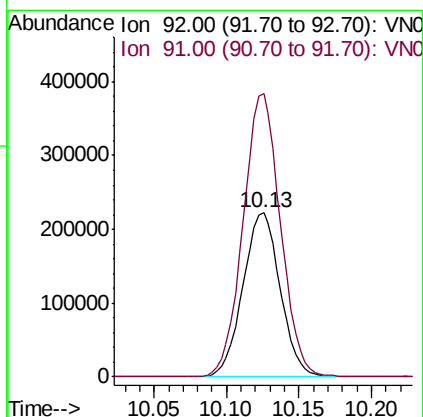
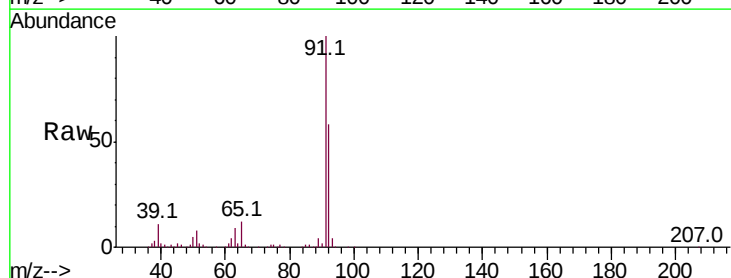
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

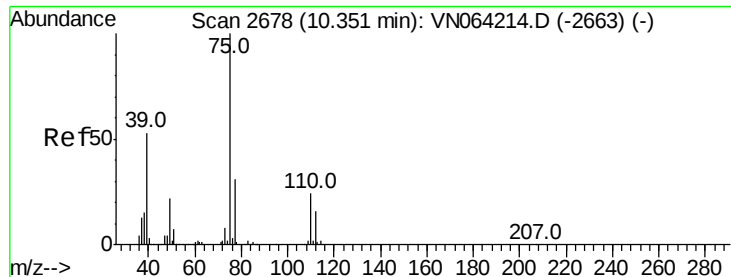
Tot Ion: 43 Resp: 1074831
Ion Ratio Lower Upper
43 100
58 35.5 28.6 42.8



#52
Toluene
Concen: 50.842 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 92 Resp: 397287
Ion Ratio Lower Upper
92 100
91 173.8 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 52.842 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

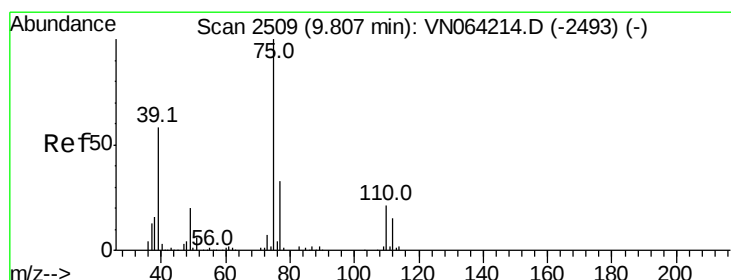
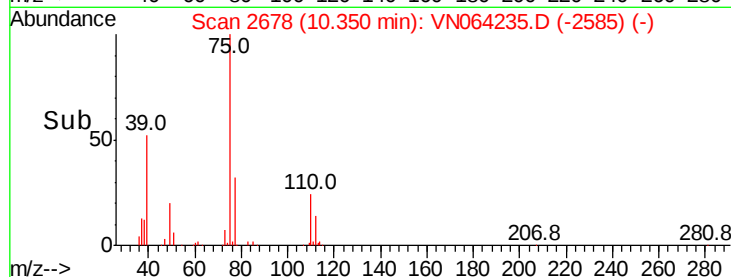
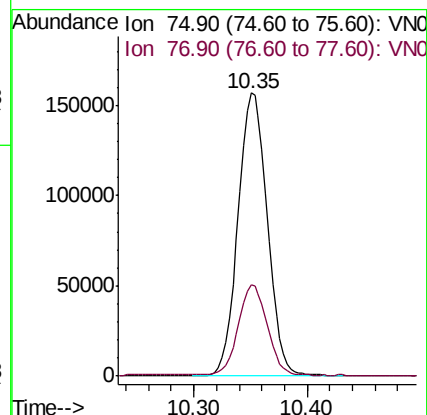
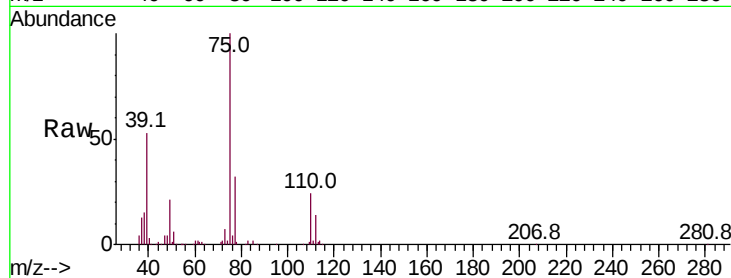
VSTDCCC050EC

Tot Ion: 75 Resp: 283901

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.697 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

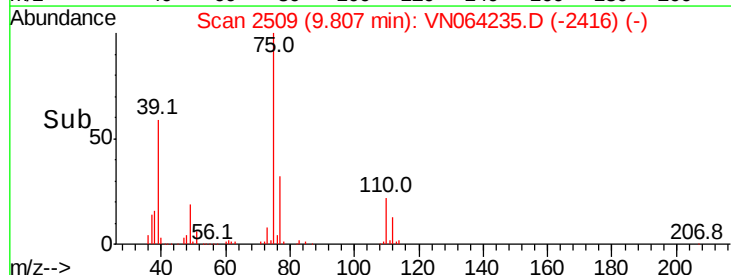
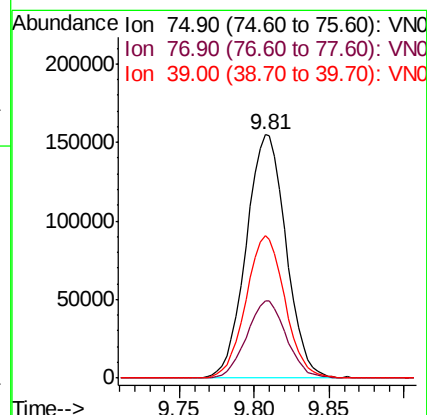
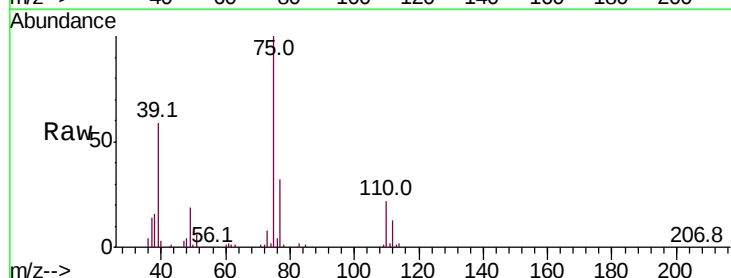
Tgt Ion: 75 Resp: 286788

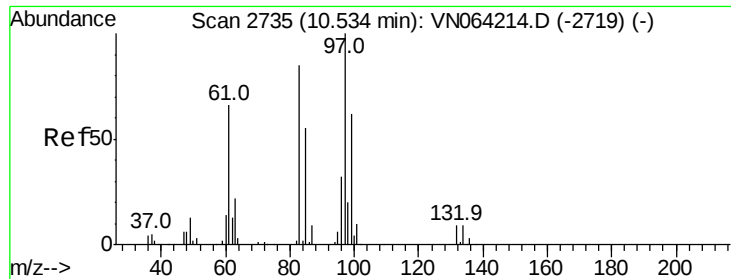
Ion Ratio Lower Upper

75 100

77 31.9 26.6 39.8

39 58.7 46.7 70.1

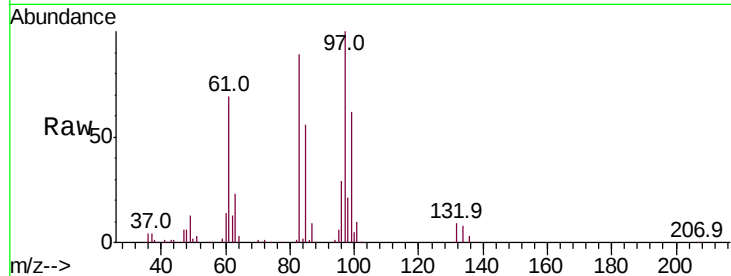




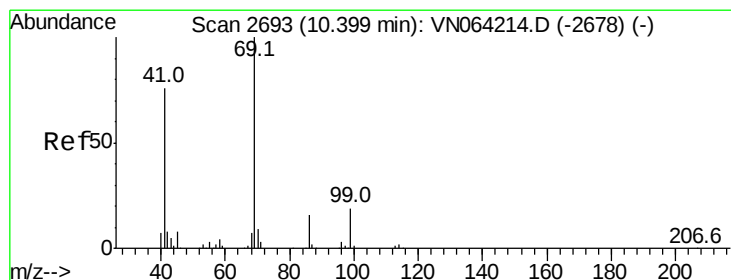
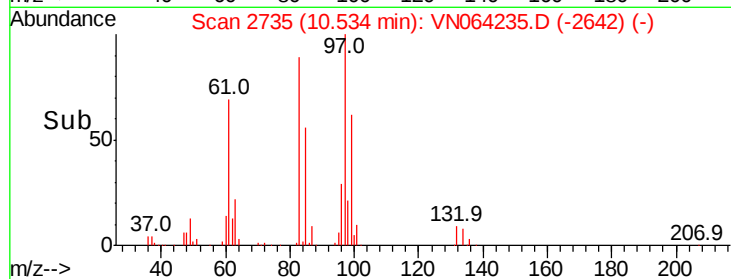
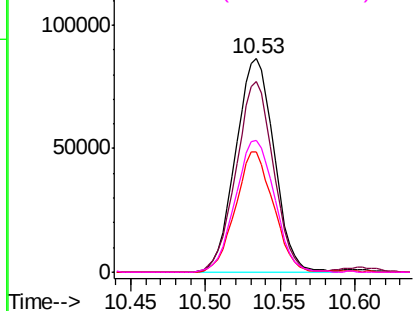
#55
 1,1,2-Trichloroethane
 Concen: 52.404 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	154655
Ion	Ratio	Lower	Upper
97	100		
83	89.2	67.8	101.6
85	56.2	43.6	65.4
99	61.6	49.9	74.9

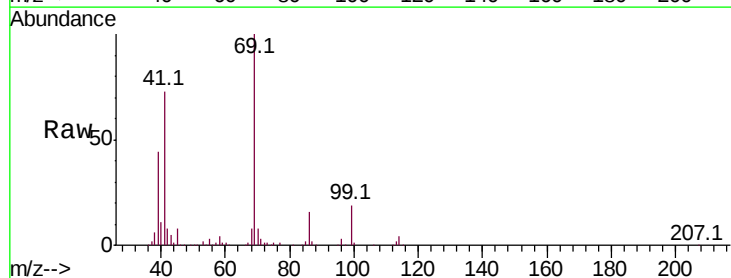


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

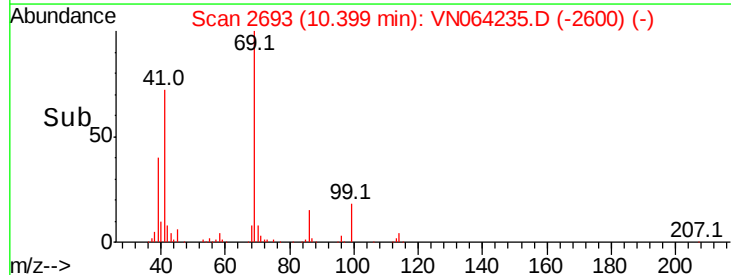
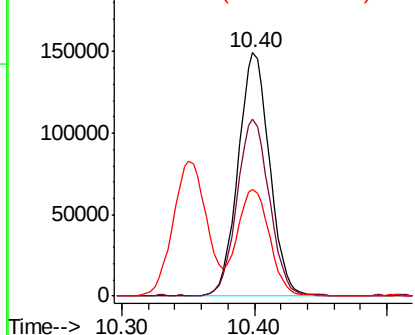


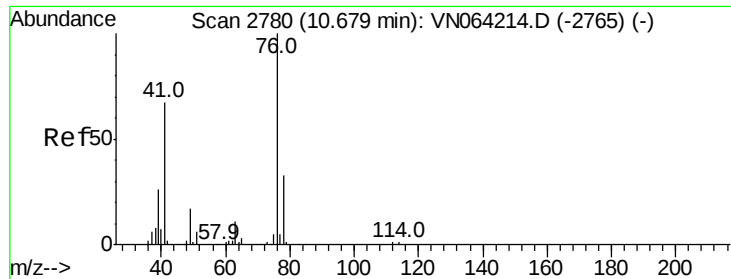
#56
 Ethyl methacrylate
 Concen: 53.993 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion:	69	Resp:	246386
Ion	Ratio	Lower	Upper
69	100		
41	74.6	61.4	92.2
39	44.8	36.0	54.0



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





#57

1,3-Dichloropropane

Concen: 53.198 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

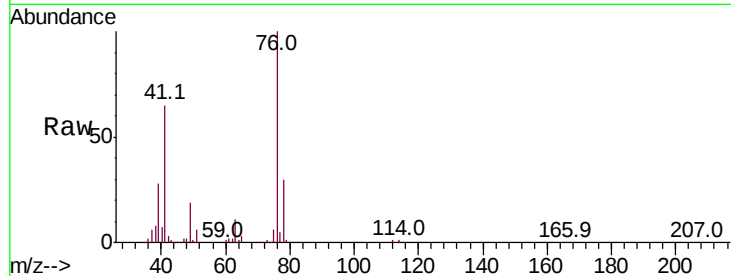
VSTDCCC050EC

Tot Ion: 76 Resp: 272705

Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN064214.D (-2765) (-)

Ion 77.90 (77.60 to 78.60): VN064214.D (-2765) (-)

10.68

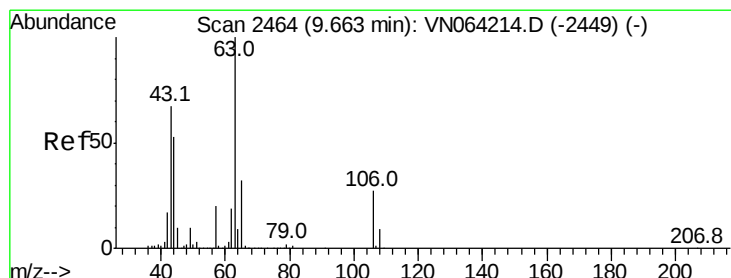
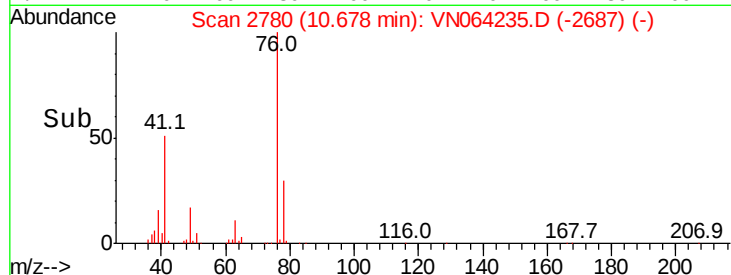
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 260.849 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064235.D

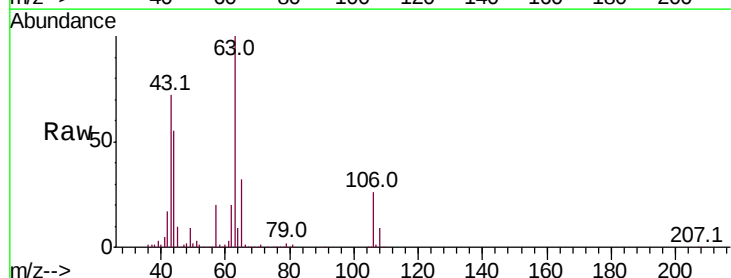
Acq: 21 Oct 2020 20:41

Tgt Ion: 63 Resp: 612945

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN064214.D (-2449) (-)

Ion 105.90 (105.60 to 106.60): VN064214.D (-2449) (-)

9.66

400000

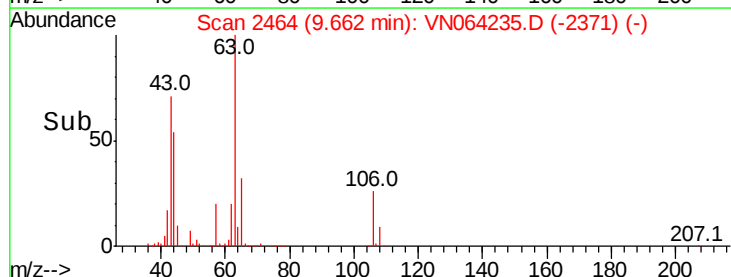
300000

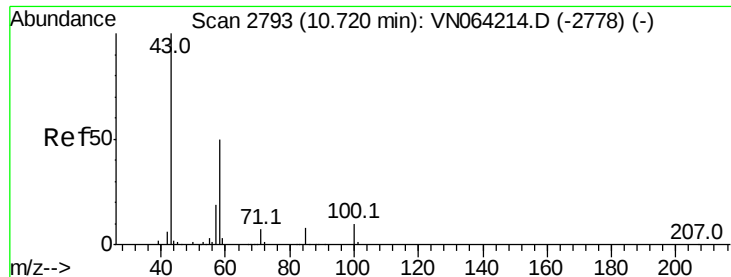
200000

100000

0

Time-->

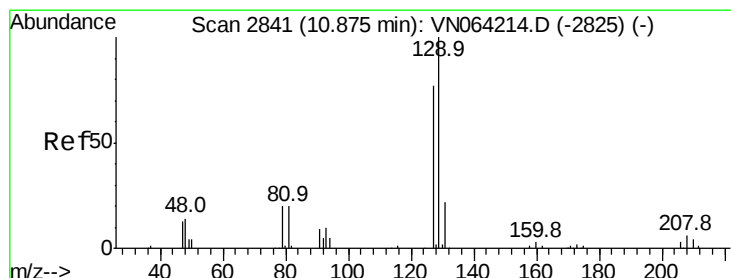
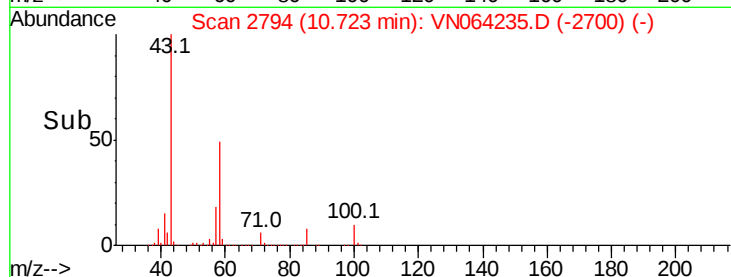
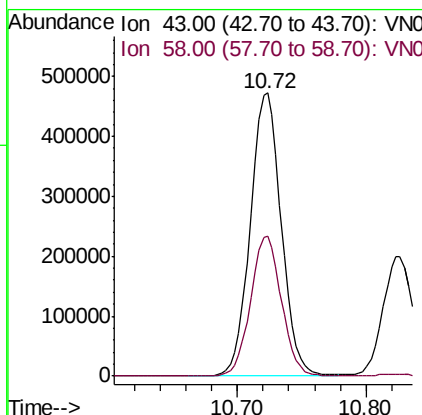
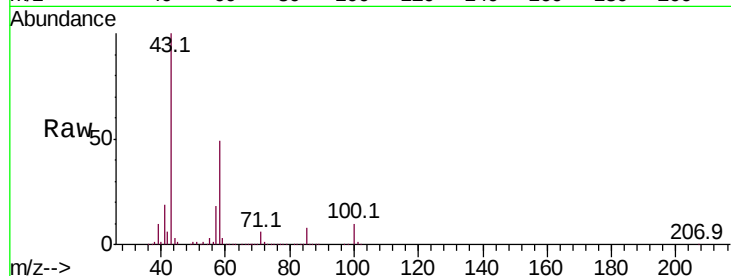




#59
2-Hexanone
Concen: 269.595 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

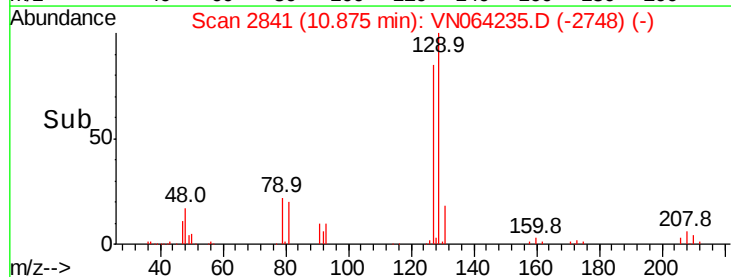
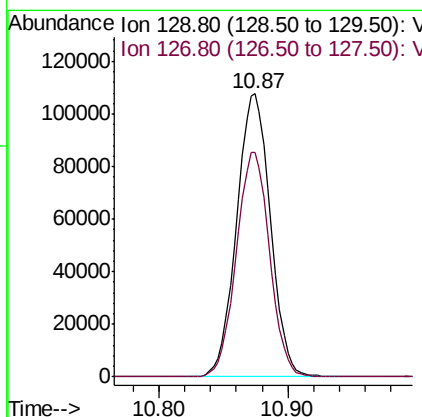
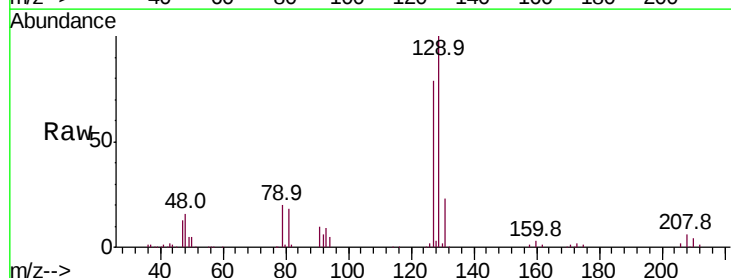
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

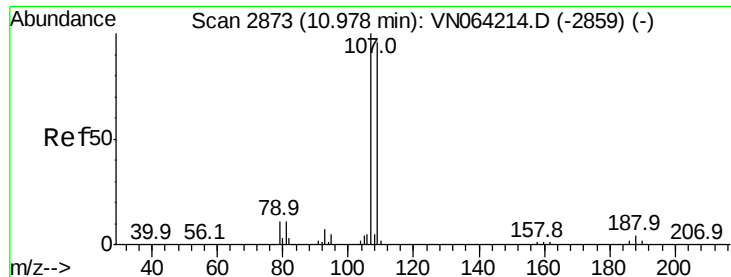
Tot Ion: 43 Resp: 787705
Ion Ratio Lower Upper
43 100
58 49.5 24.8 74.3



#60
Dibromochloromethane
Concen: 51.304 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 129 Resp: 196006
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 53.945 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

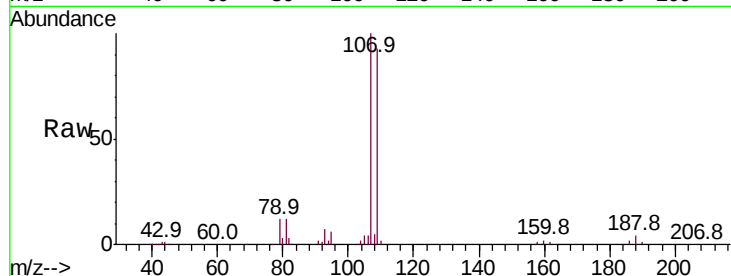
VSTDCCC050EC

Tot Ion:107 Resp: 167999

Ion Ratio Lower Upper

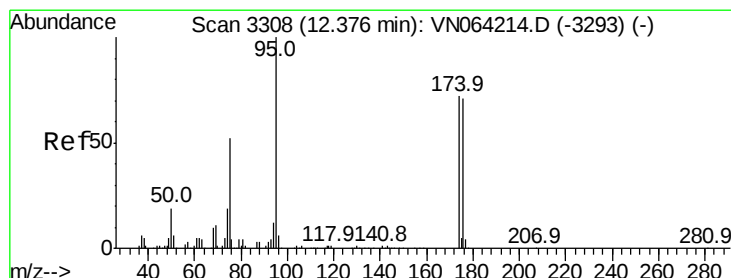
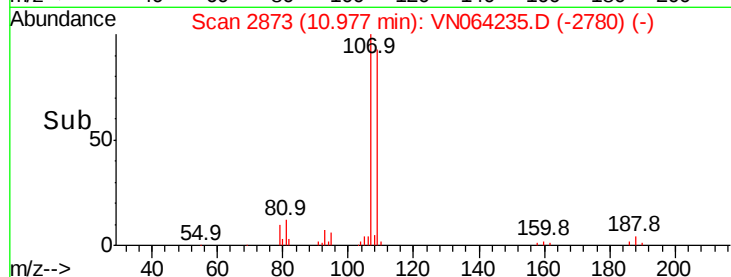
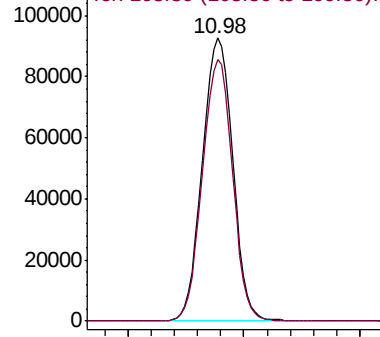
107 100

109 91.5 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.276 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

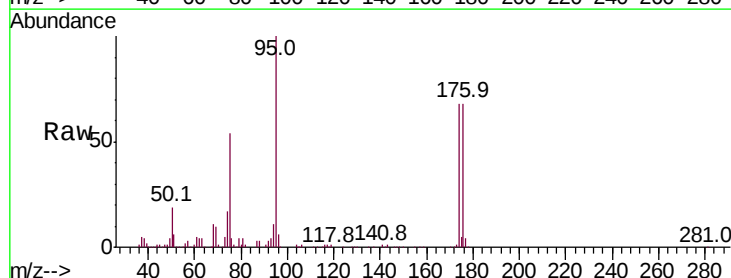
Tgt Ion: 95 Resp: 218125

Ion Ratio Lower Upper

95 100

174 71.0 0.0 144.4

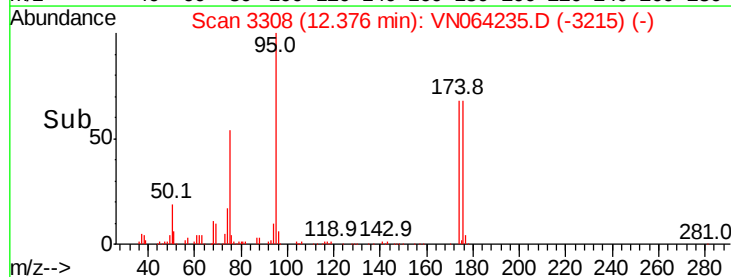
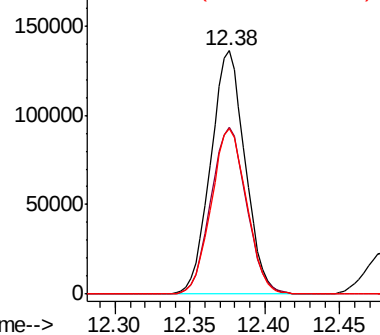
176 69.9 0.0 139.2

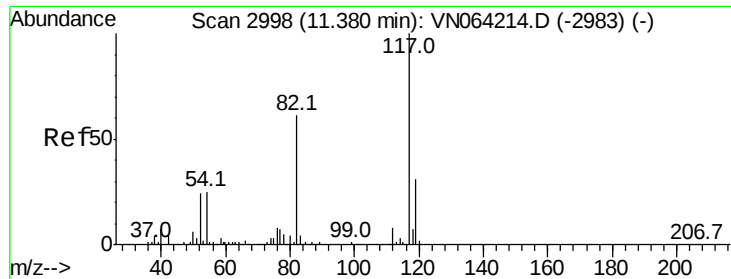


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

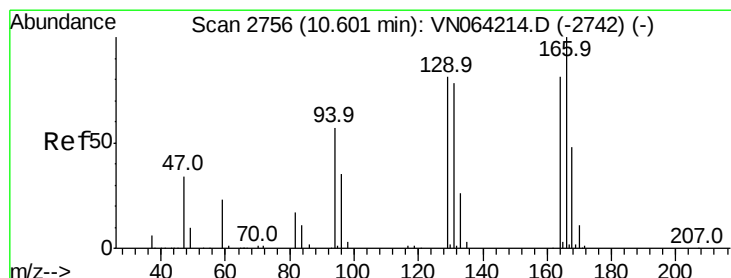
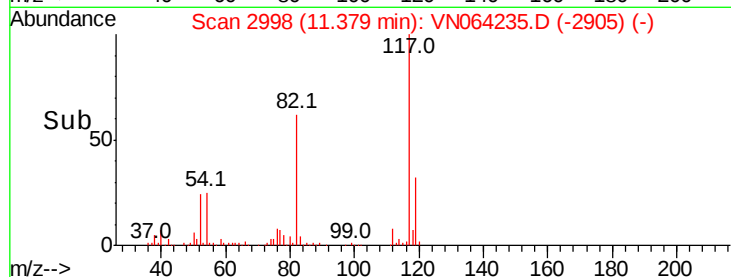
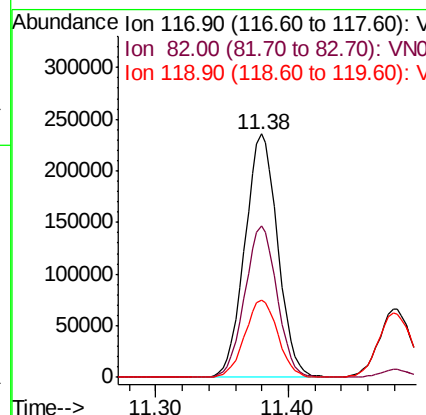
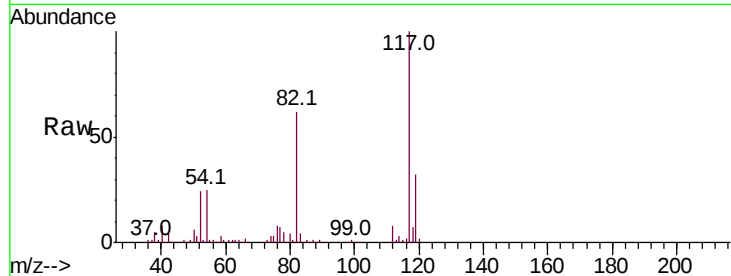




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

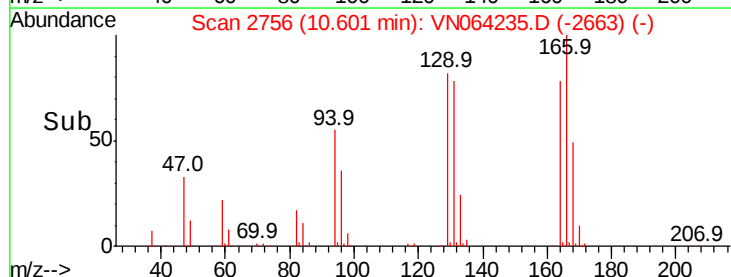
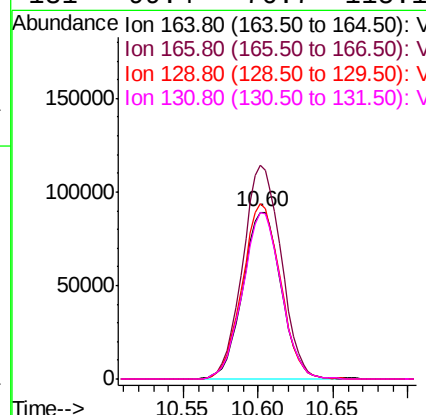
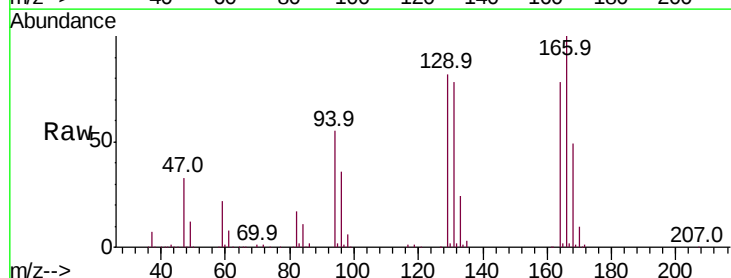
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

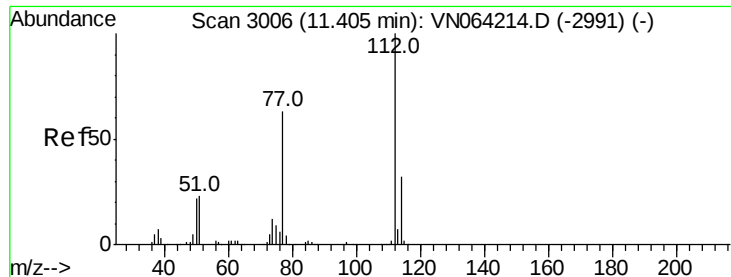
Tot Ion:117 Resp: 405489
Ion Ratio Lower Upper
117 100
82 62.2 48.8 73.2
119 31.8 24.7 37.1



#64
Tetrachloroethene
Concen: 48.802 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion:164 Resp: 159311
Ion Ratio Lower Upper
164 100
166 127.9 98.9 148.3
129 104.7 79.9 119.9
131 99.4 76.7 115.1





#65

Chlorobenzene

Concen: 51.605 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

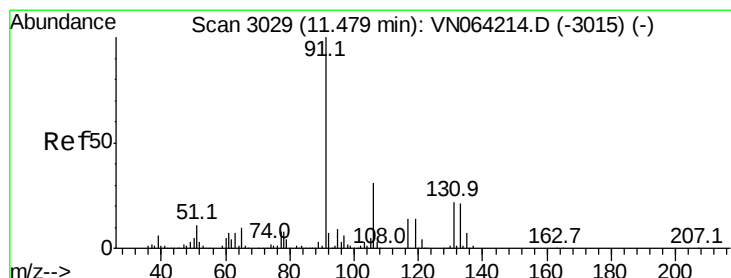
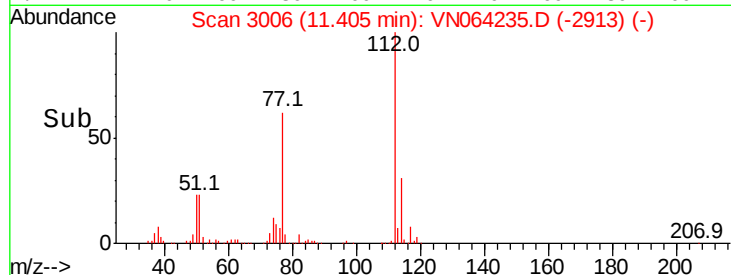
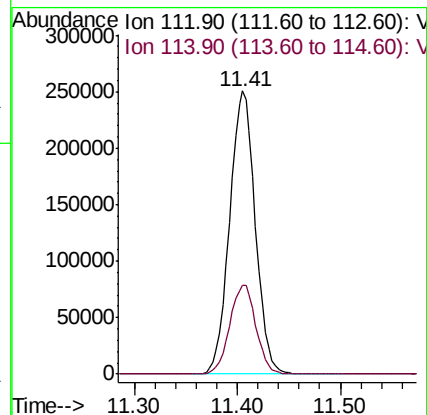
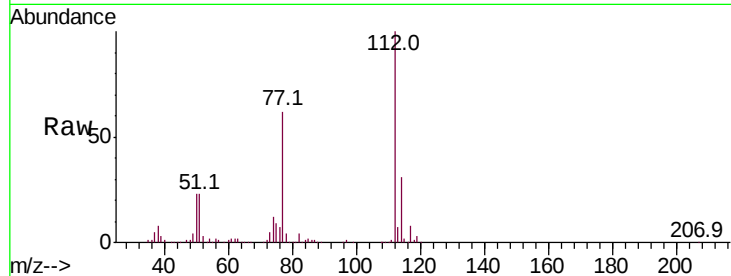
VSTDCCC050EC

Tot Ion:112 Resp: 433138

Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 50.487 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

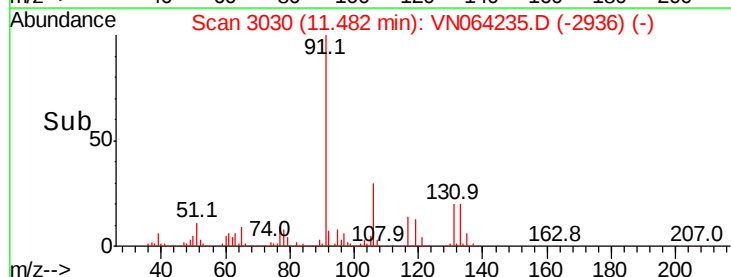
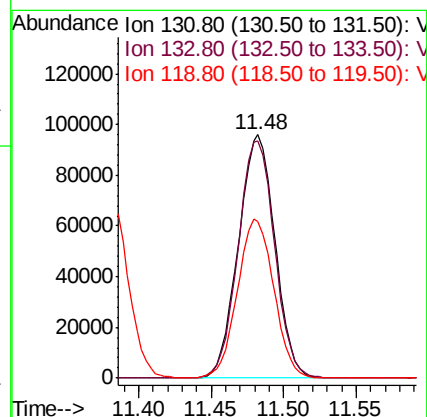
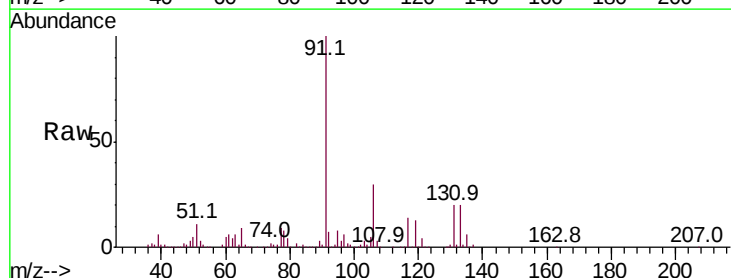
Tgt Ion:131 Resp: 168204

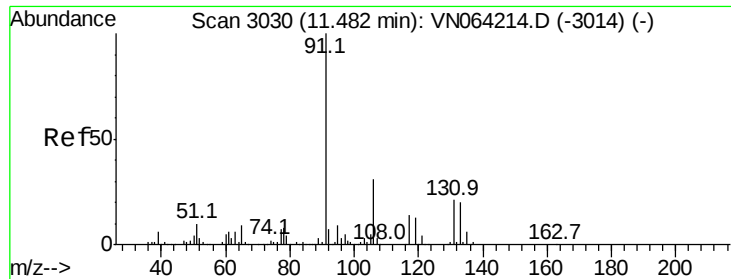
Ion Ratio Lower Upper

131 100

133 97.6 47.8 143.4

119 65.0 32.2 96.6

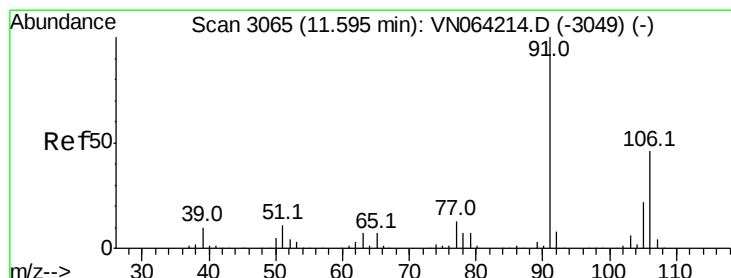
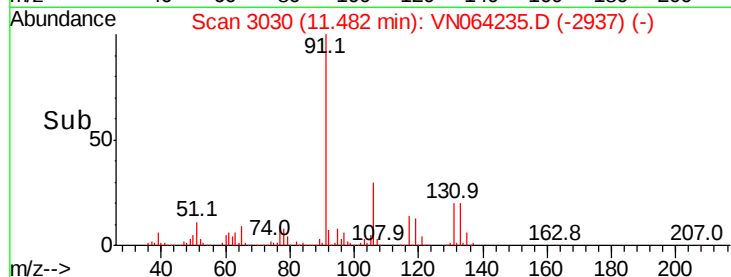
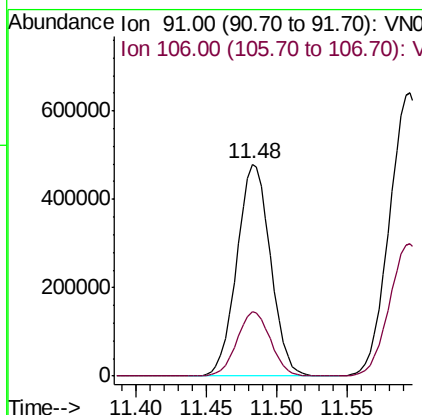
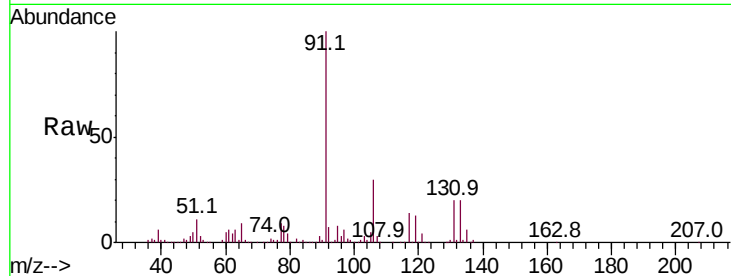




#67
Ethyl Benzene
Concen: 51.995 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

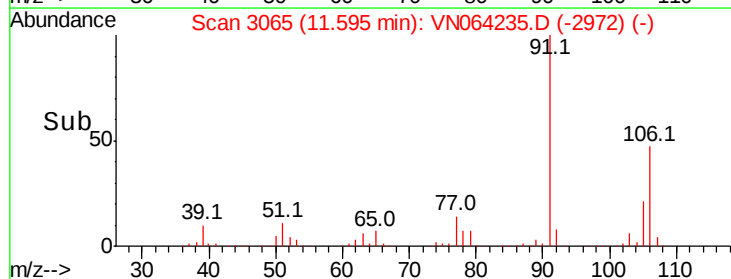
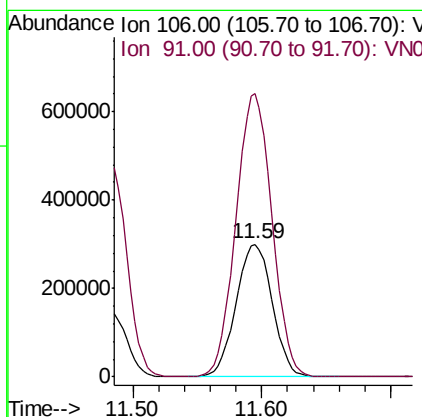
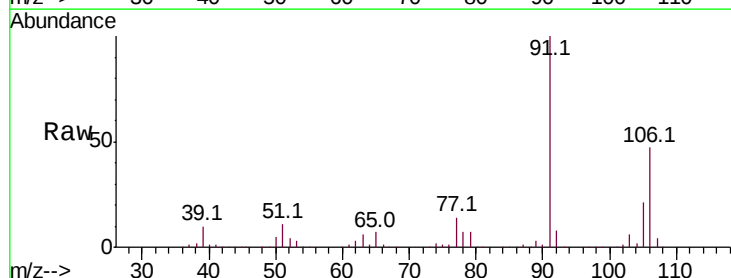
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

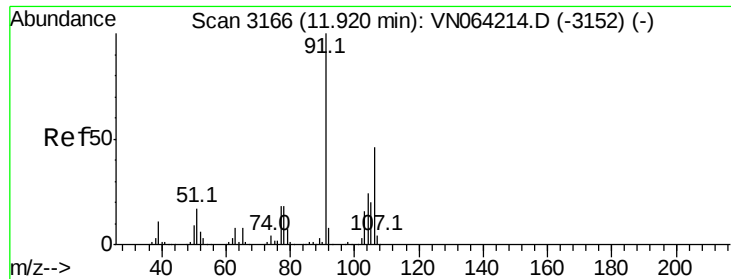
Tot Ion: 91 Resp: 802024
Ion Ratio Lower Upper
91 100
106 30.2 24.8 37.2



#68
m/p-Xylenes
Concen: 102.494 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 106 Resp: 585763
Ion Ratio Lower Upper
106 100
91 212.5 172.2 258.2

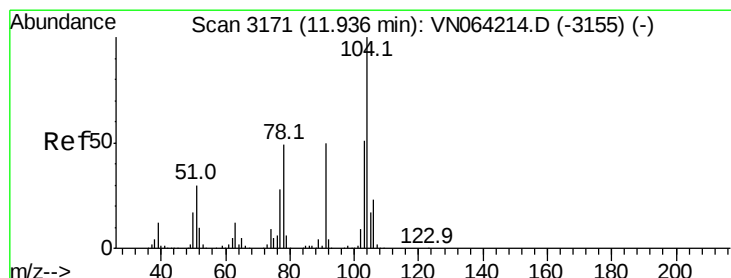
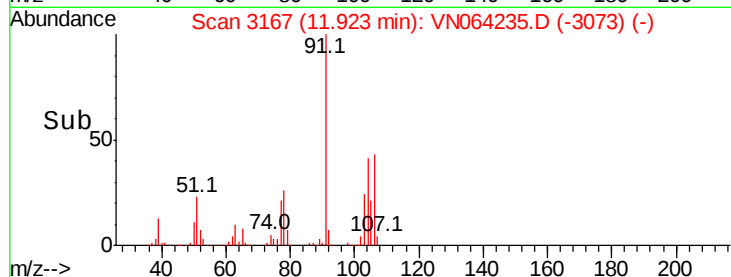
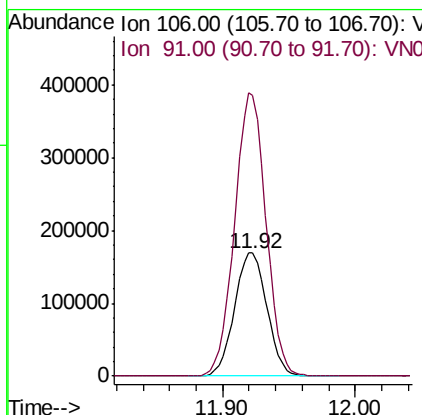
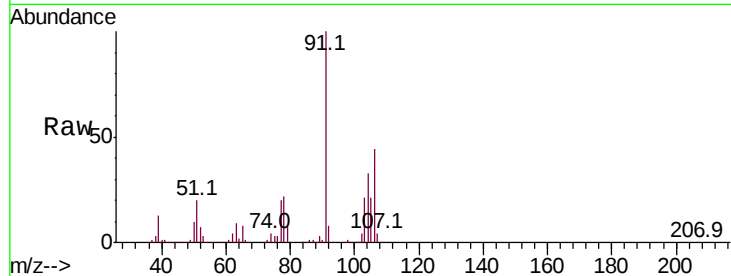




#69
o-Xylene
Concen: 51.890 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

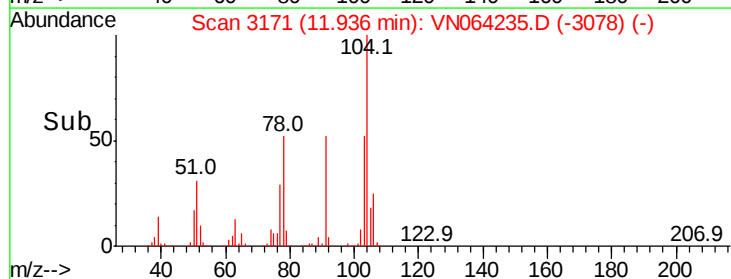
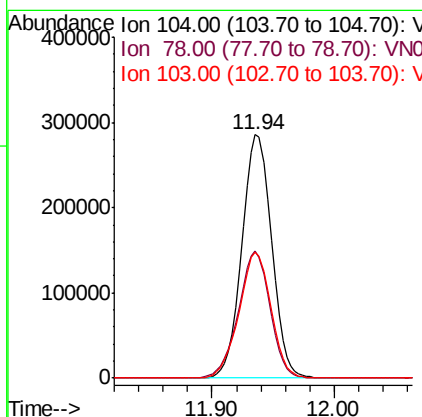
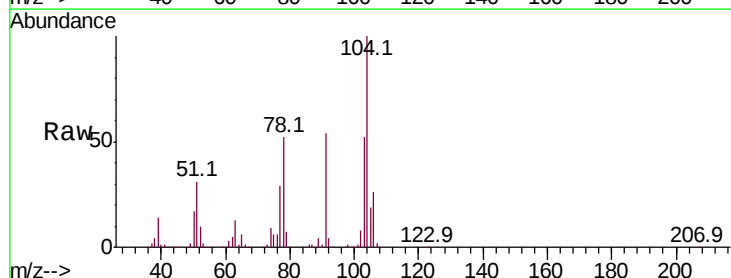
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

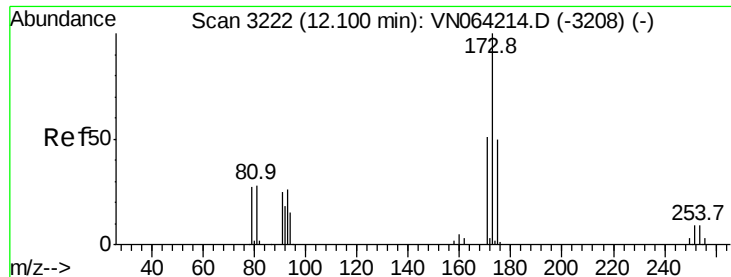
Tot Ion:106 Resp: 286810
Ion Ratio Lower Upper
106 100
91 222.8 109.9 329.6



#70
Styrene
Concen: 51.698 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion:104 Resp: 478980
Ion Ratio Lower Upper
104 100
78 55.7 43.8 65.6
103 55.6 43.4 65.2





#71

Bromoform

Concen: 52.092 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

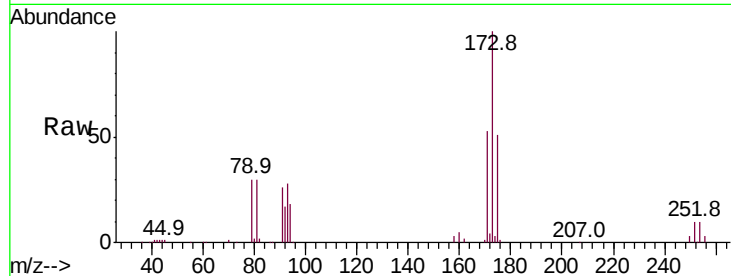
Tot Ion:173 Resp: 134069

Ion Ratio Lower Upper

173 100

175 47.9 25.1 75.3

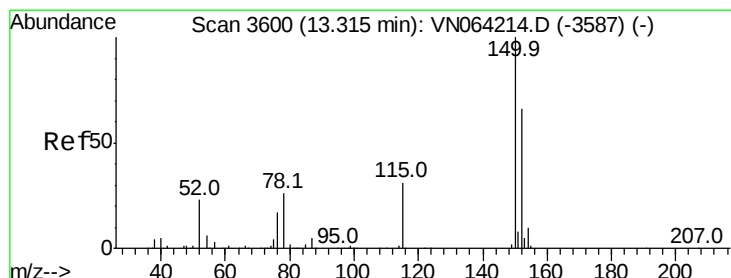
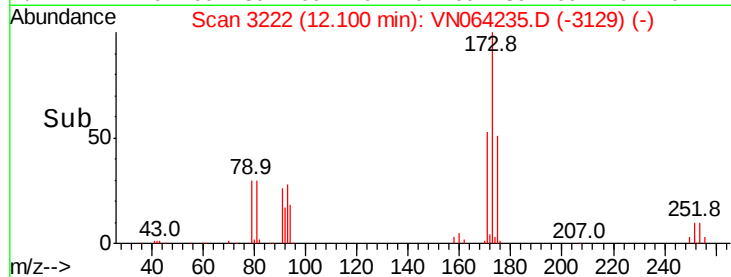
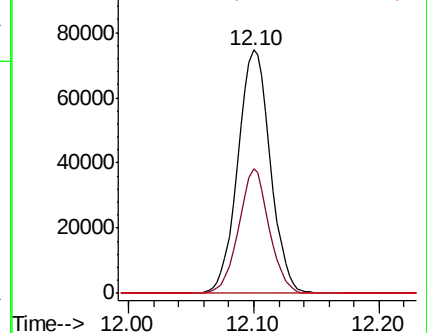
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

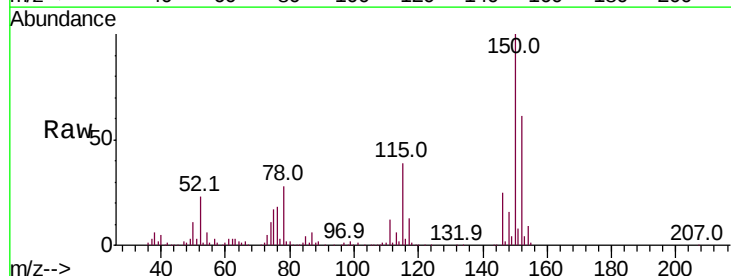
Tgt Ion:152 Resp: 197142

Ion Ratio Lower Upper

152 100

115 64.4 32.0 96.2

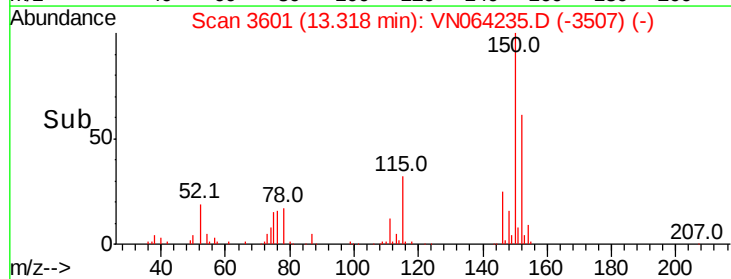
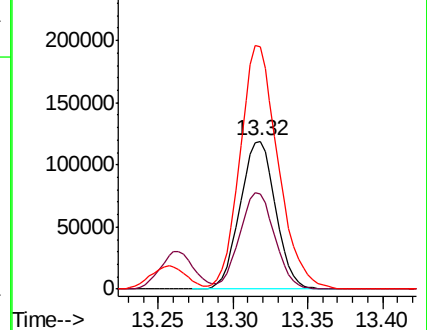
150 174.9 0.0 356.6

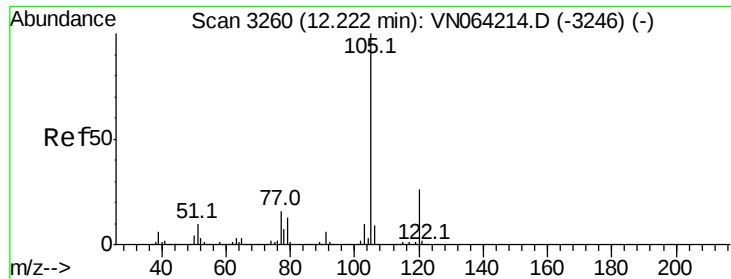


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.111 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

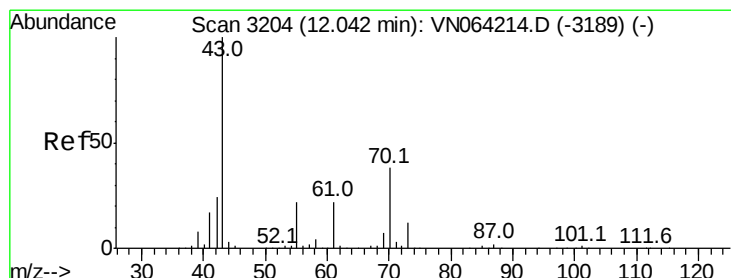
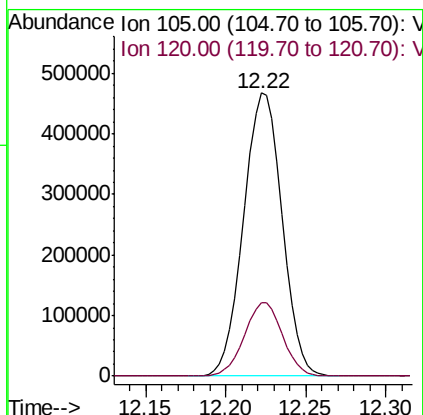
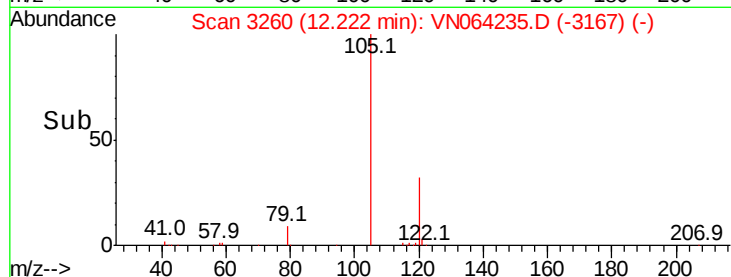
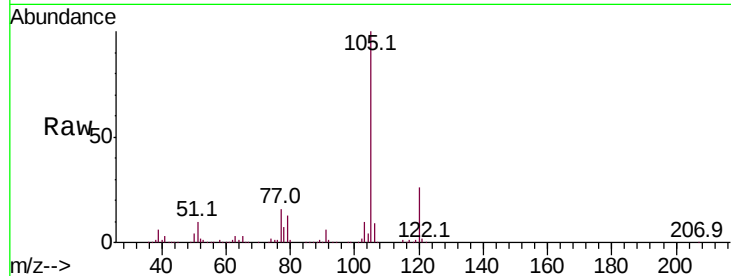
VSTDCCC050EC

Tot Ion:105 Resp: 768501

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



#74

N-ethyl acetate

Concen: 52.888 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Tgt Ion: 43 Resp: 343616

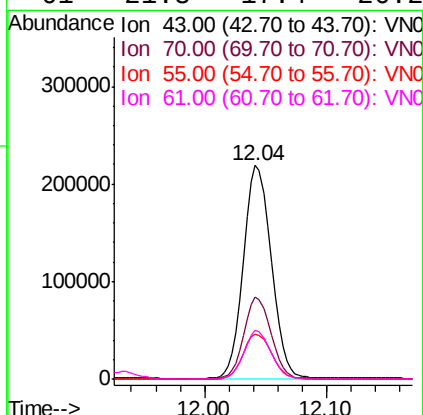
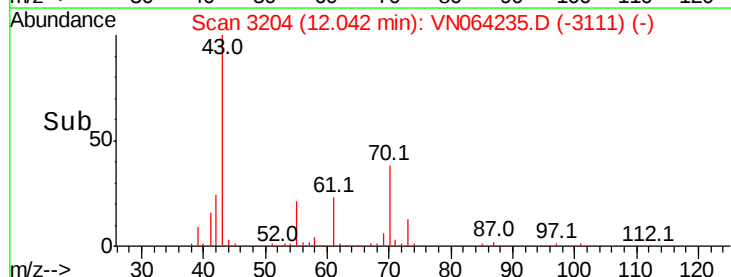
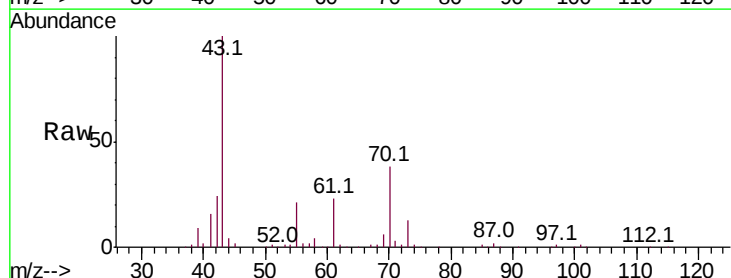
Ion Ratio Lower Upper

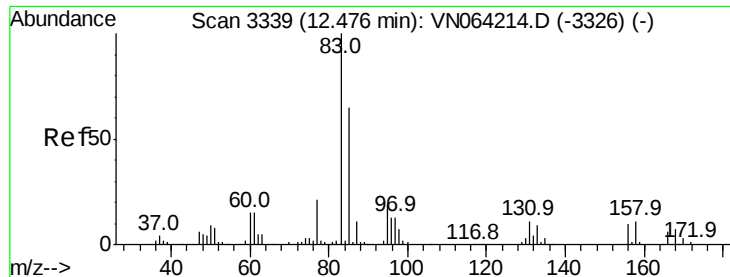
43 100

70 37.2 30.2 45.4

55 21.9 18.0 27.0

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.726 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

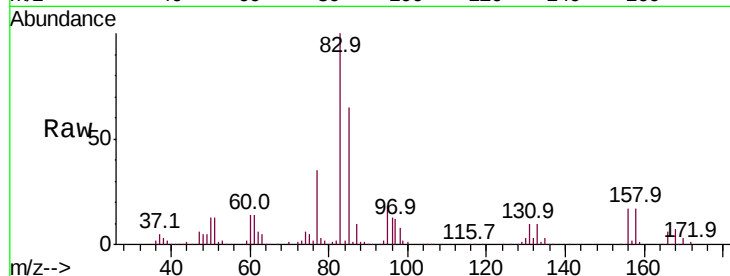
Tot Ion: 83 Resp: 210379

Ion Ratio Lower Upper

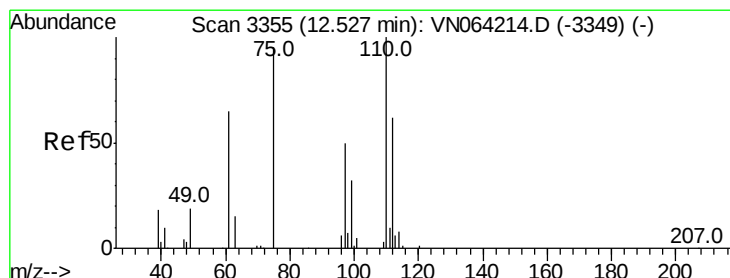
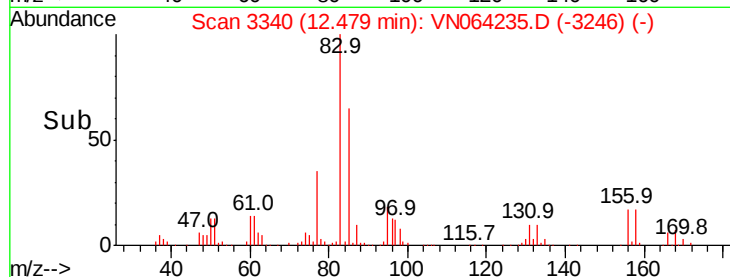
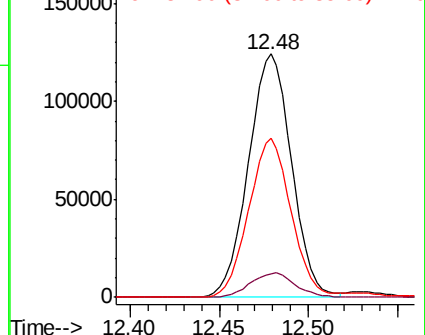
83 100

131 10.6 5.5 16.7

85 64.1 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 75.343 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064235.D

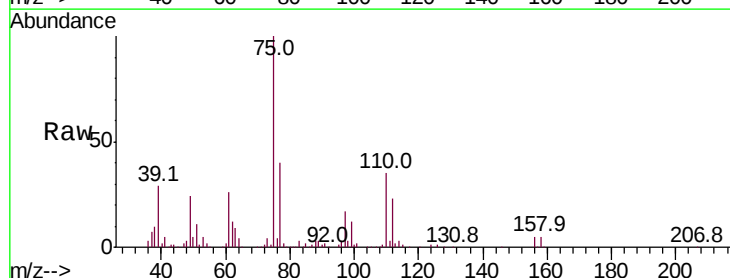
Acq: 21 Oct 2020 20:41

Tgt Ion: 75 Resp: 313132

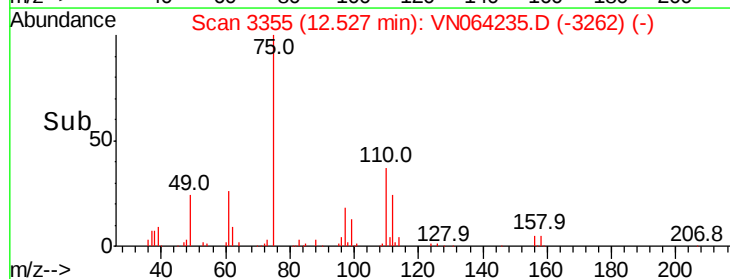
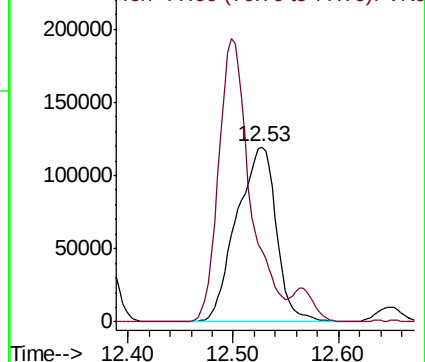
Ion Ratio Lower Upper

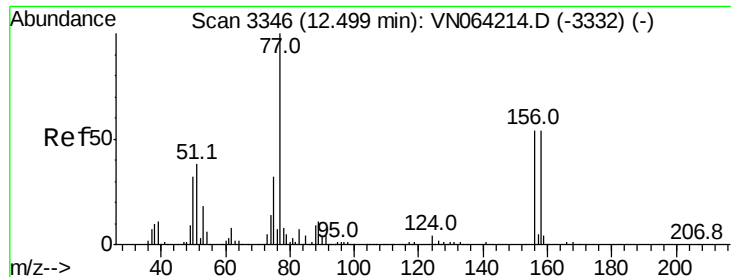
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.260 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

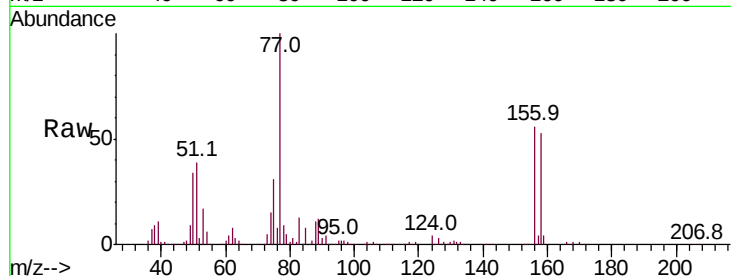
Tot Ion:156 Resp: 185504

Ion Ratio Lower Upper

156 100

77 216.9 111.1 333.4

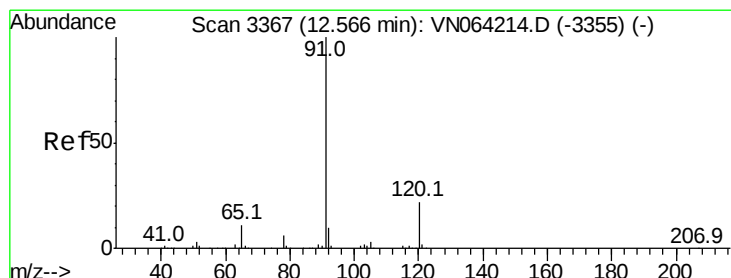
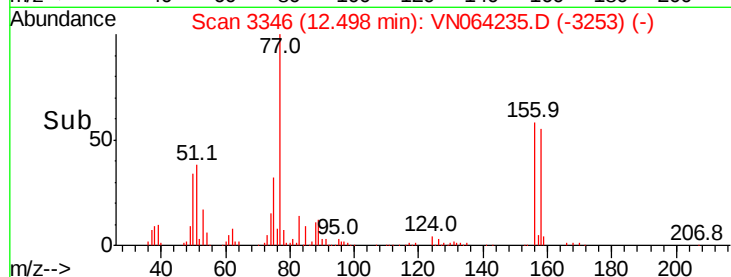
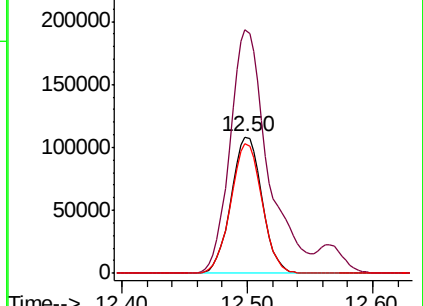
158 95.8 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.974 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064235.D

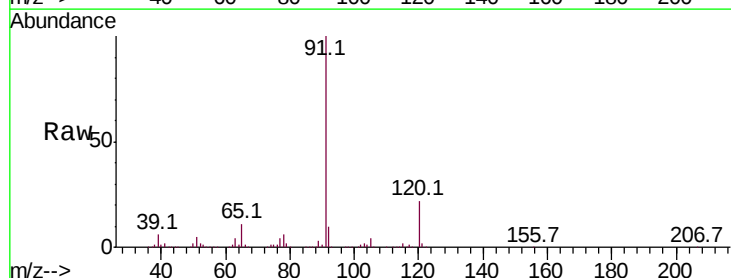
Acq: 21 Oct 2020 20:41

Tgt Ion: 91 Resp: 864158

Ion Ratio Lower Upper

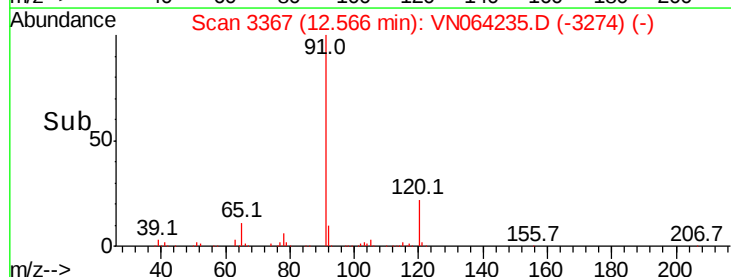
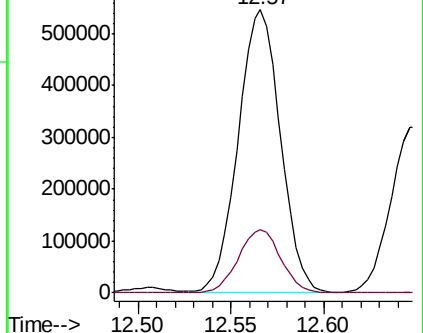
91 100

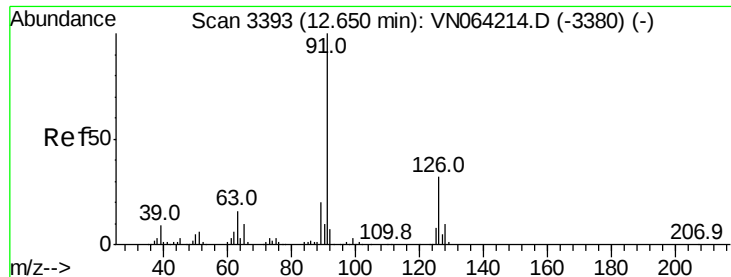
120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.867 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

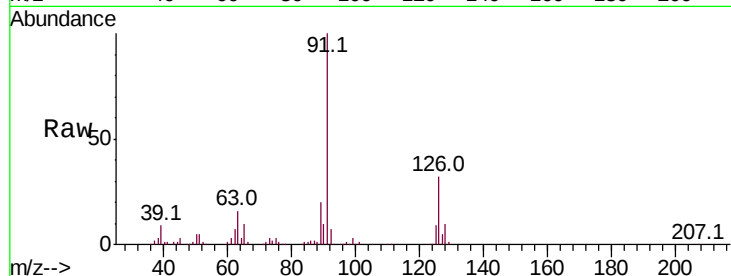
VSTDCCC050EC

Tot Ion: 91 Resp: 540091

Ion Ratio Lower Upper

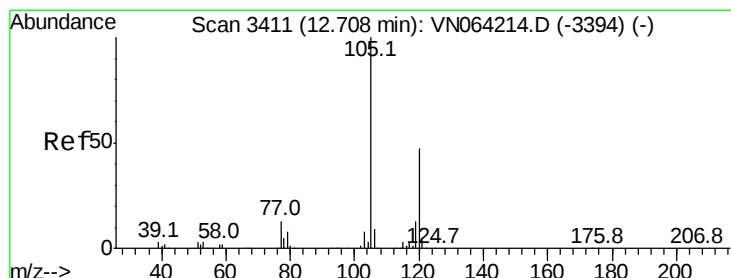
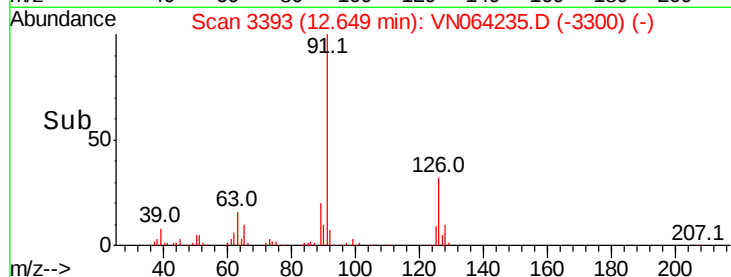
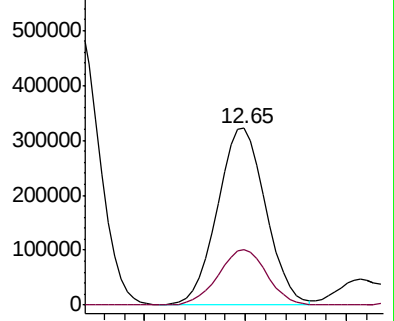
91 100

126 31.7 16.0 48.0



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

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



#80

1,3,5-Trimethylbenzene

Concen: 51.014 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064235.D

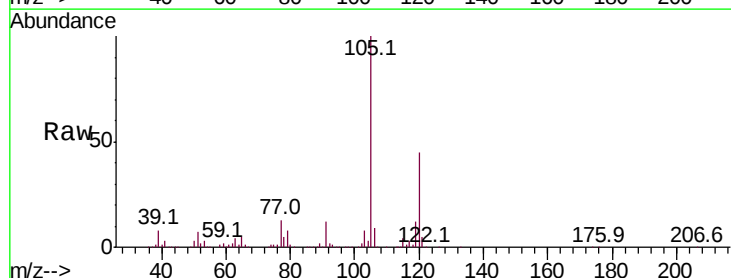
Acq: 21 Oct 2020 20:41

Tgt Ion: 105 Resp: 648458

Ion Ratio Lower Upper

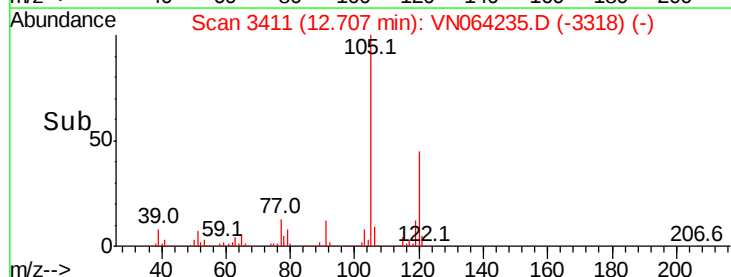
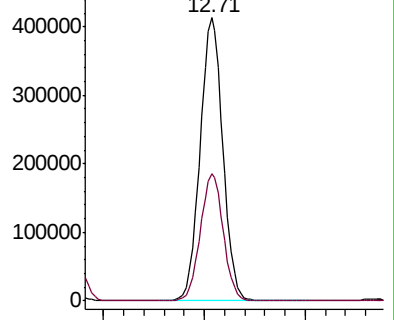
105 100

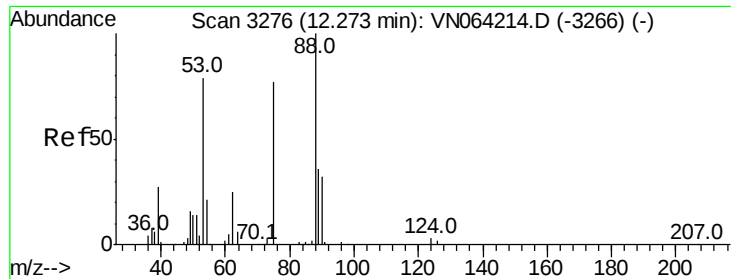
120 45.4 23.4 70.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.111 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

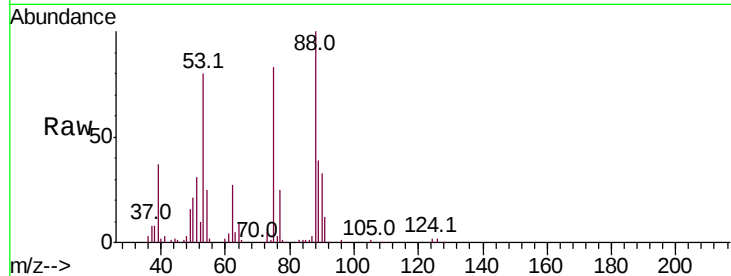
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 82490

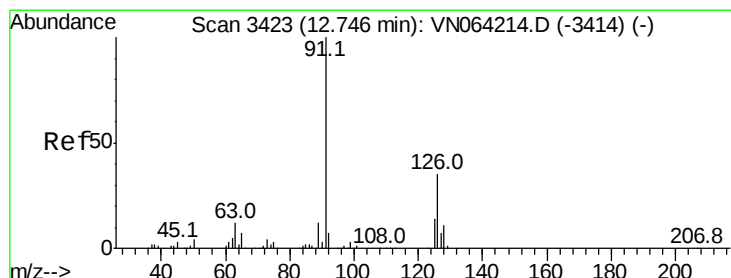
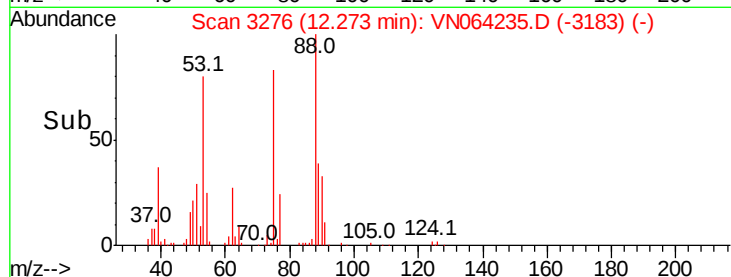
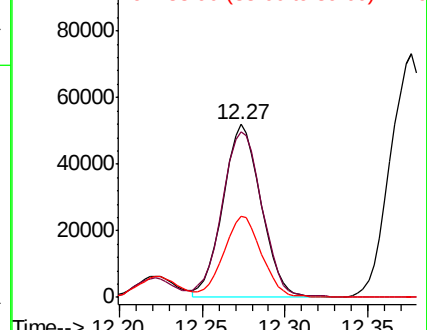
Ion	Ratio	Lower	Upper
75	100		
53	100.6	81.0	121.4
89	47.1	38.7	58.1



Abundance Ion 74.90 (74.60 to 75.60): VNO

100000 Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 51.901 ug/l

RT: 12.75 min Scan# 3423

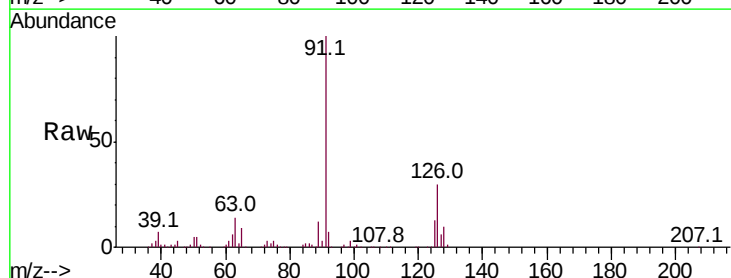
Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

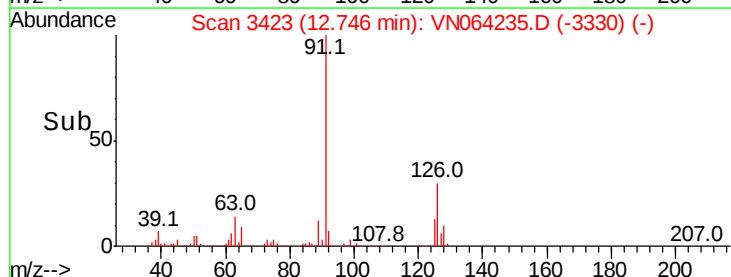
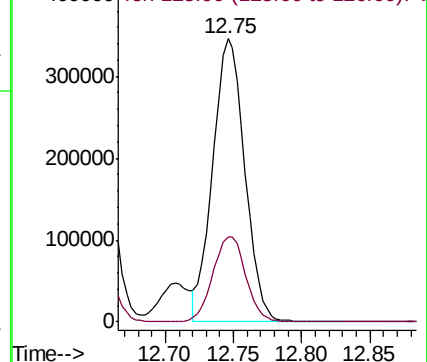
Tgt Ion: 91 Resp: 563730

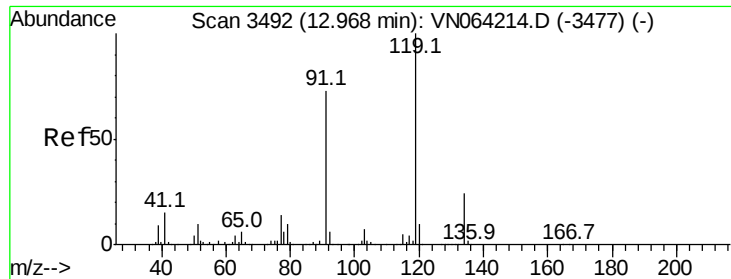
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

400000 Ion 125.90 (125.60 to 126.60): V

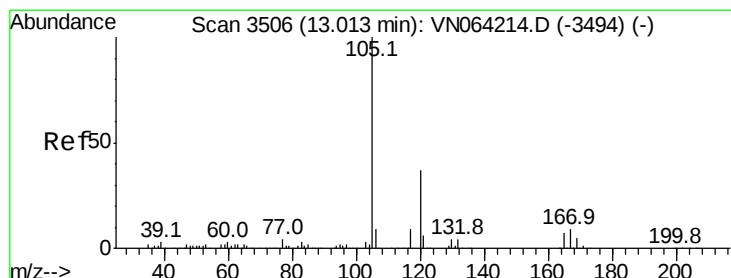
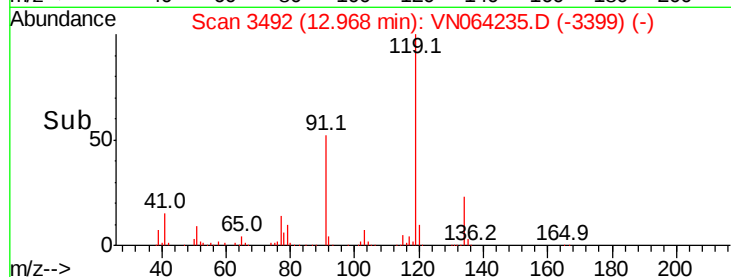
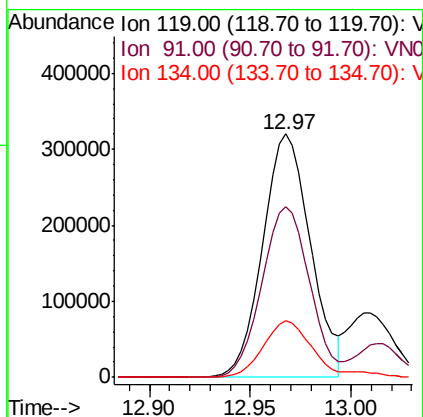
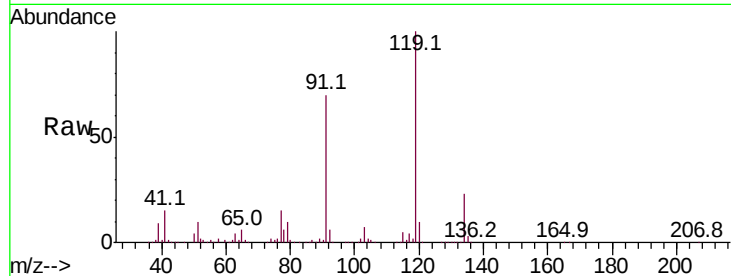




#83
tert-Butylbenzene
Concen: 50.731 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

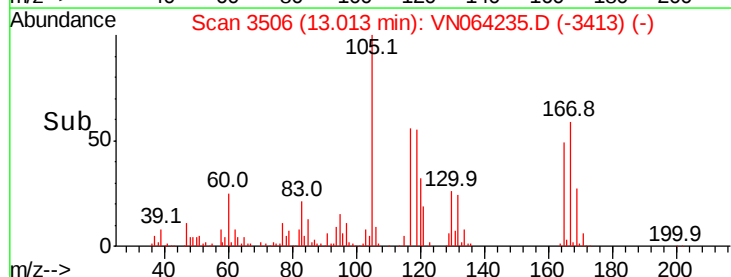
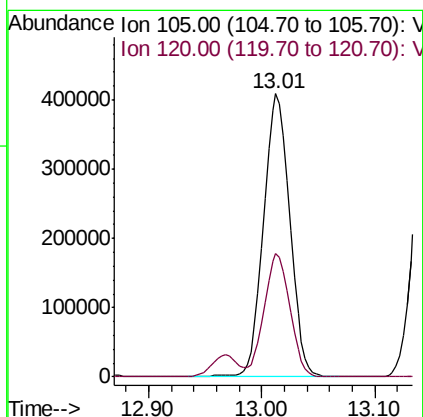
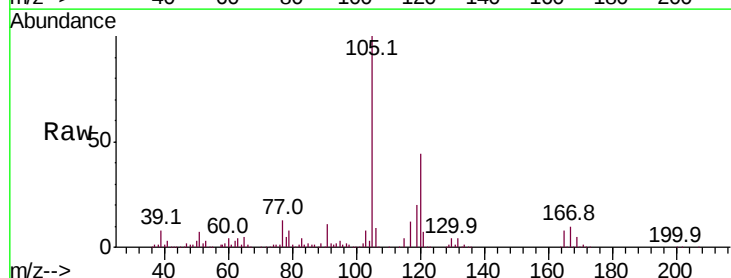
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

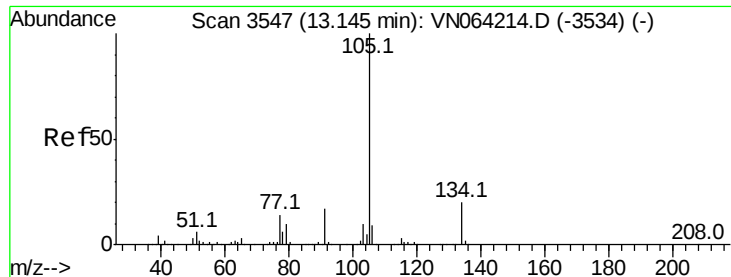
Tot Ion:119 Resp: 528710
Ion Ratio Lower Upper
119 100
91 70.6 35.1 105.3
134 24.7 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 52.206 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion:105 Resp: 660492
Ion Ratio Lower Upper
105 100
120 43.0 21.5 64.5





#85

sec-Butylbenzene

Concen: 50.508 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

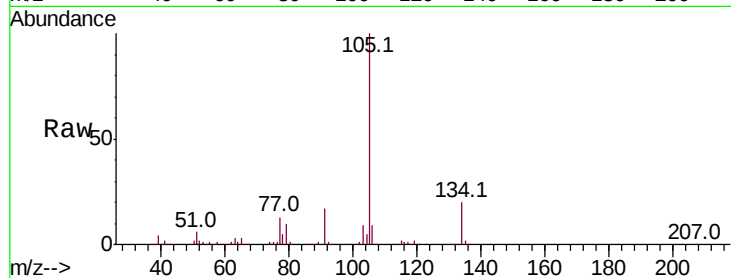
VSTDCCC050EC

Tot Ion:105 Resp: 663611

Ion Ratio Lower Upper

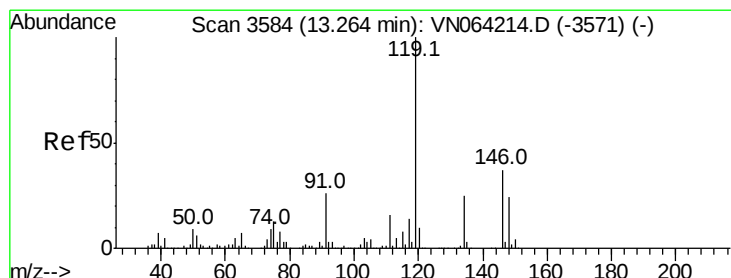
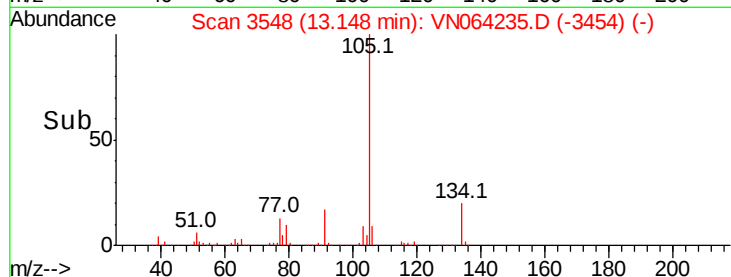
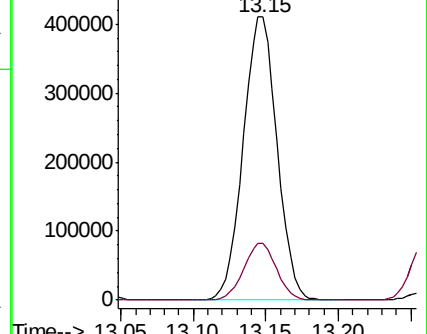
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.219 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

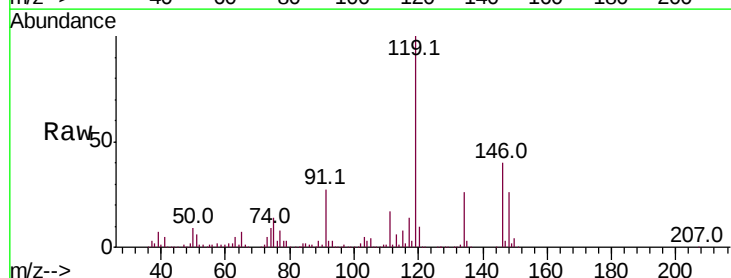
Tgt Ion:119 Resp: 612814

Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.3

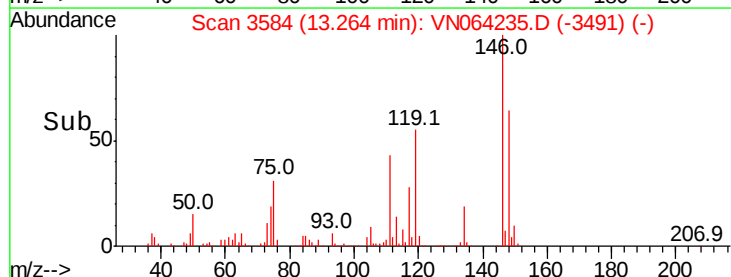
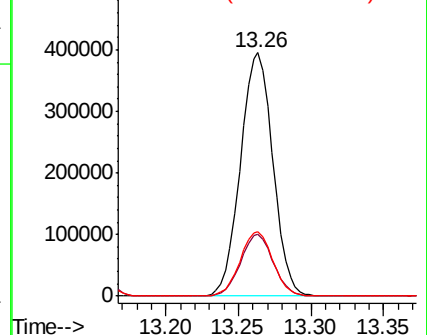
91 26.5 13.4 40.2

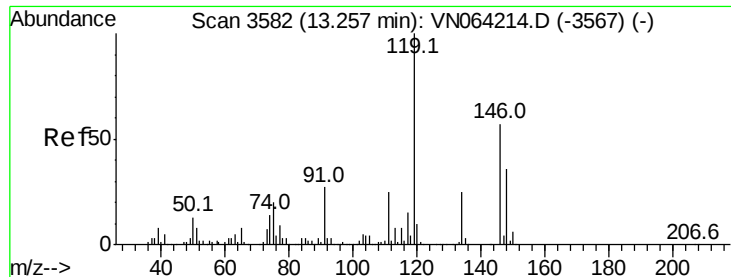


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

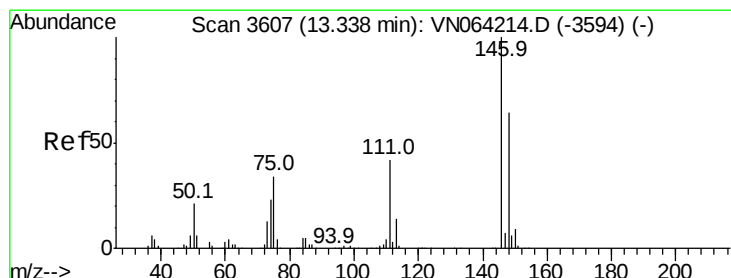
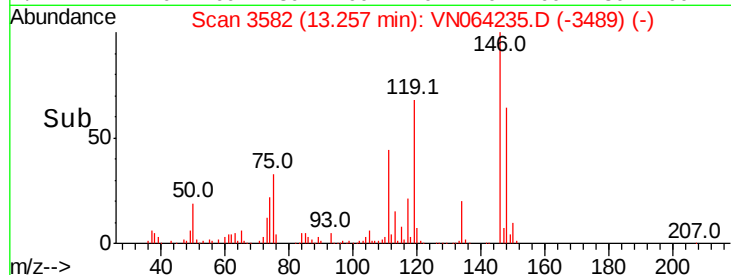
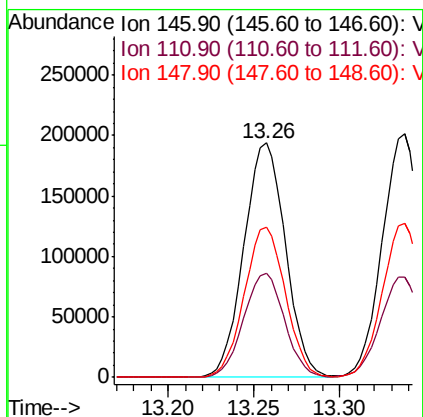
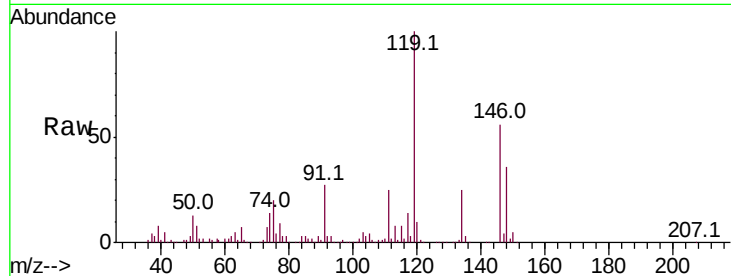




#87
 1,3-Dichlorobenzene
 Concen: 51.513 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

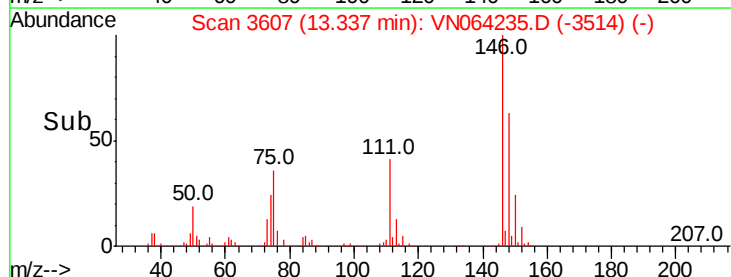
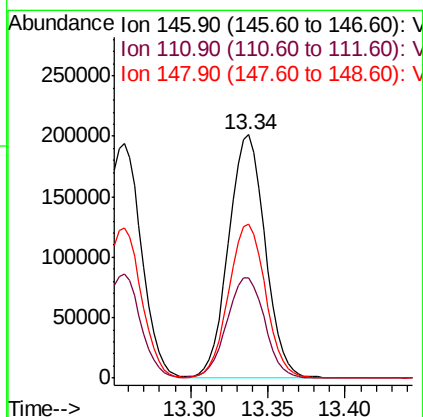
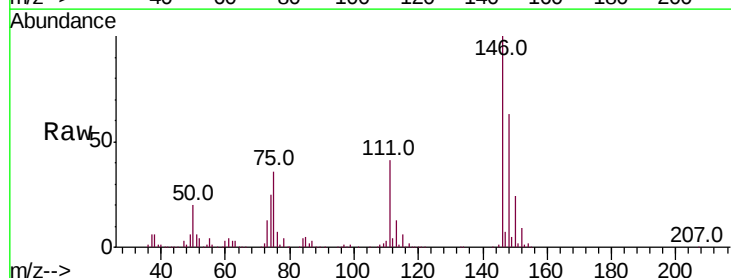
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

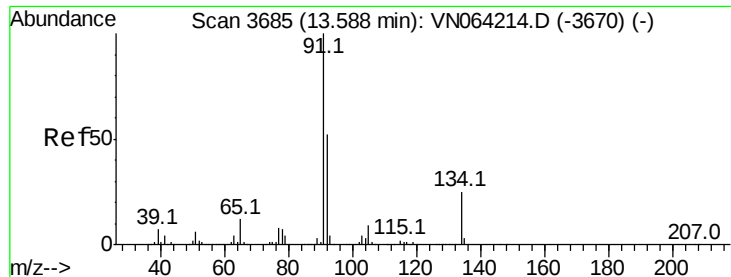
Tot Ion:146 Resp: 325361
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.6 65.0
 148 63.6 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.900 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion:146 Resp: 329056
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.5 64.5
 148 64.6 32.0 96.0

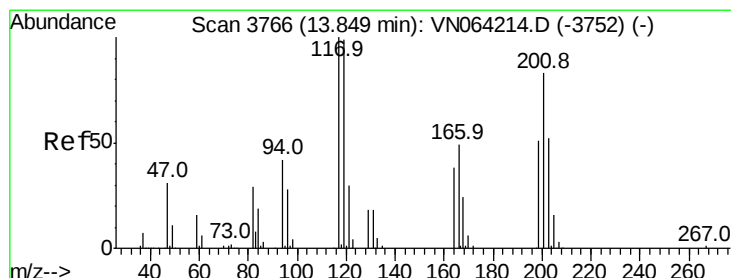
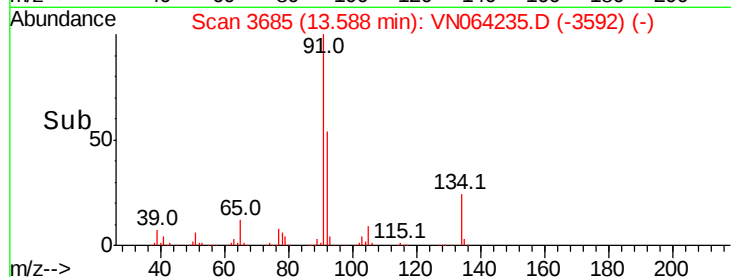
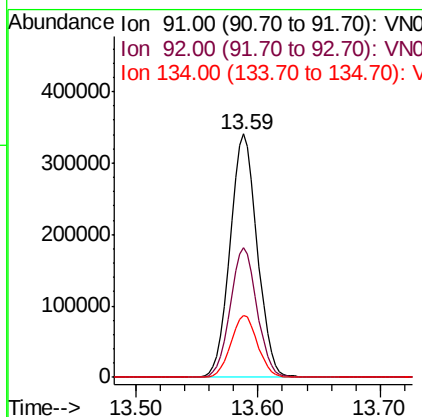
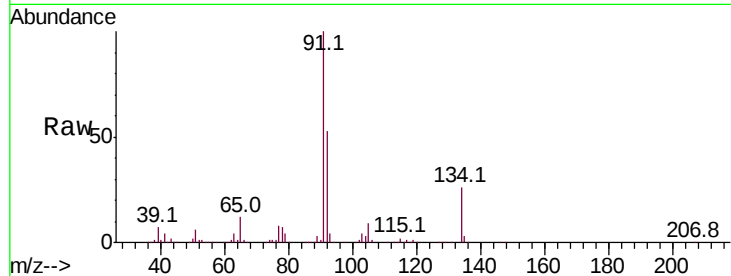




#89
n-Butylbenzene
Concen: 49.219 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

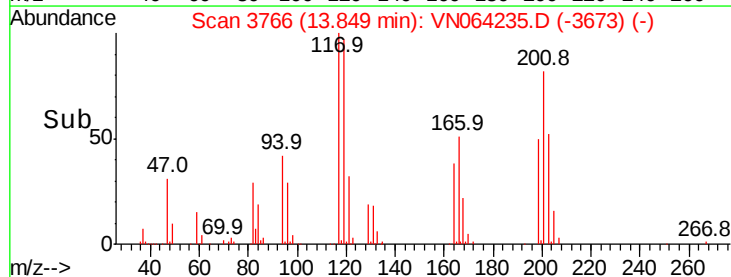
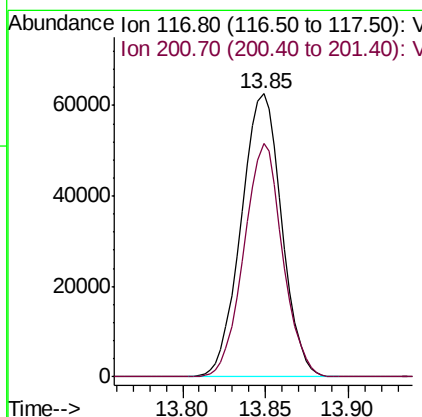
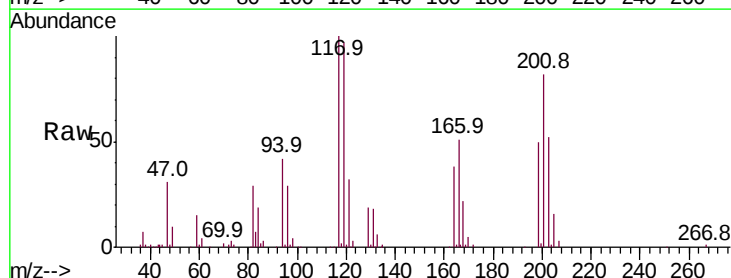
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

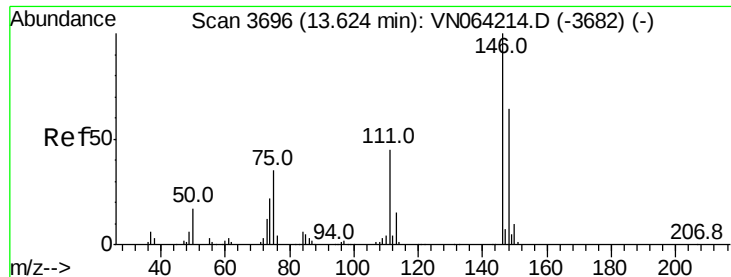
Tot Ion: 91 Resp: 527878
Ion Ratio Lower Upper
91 100
92 52.5 25.7 77.0
134 25.1 12.3 36.8



#90
Hexachloroethane
Concen: 49.233 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064235.D
Acq: 21 Oct 2020 20:41

Tgt Ion: 117 Resp: 106681
Ion Ratio Lower Upper
117 100
201 78.5 40.1 120.3

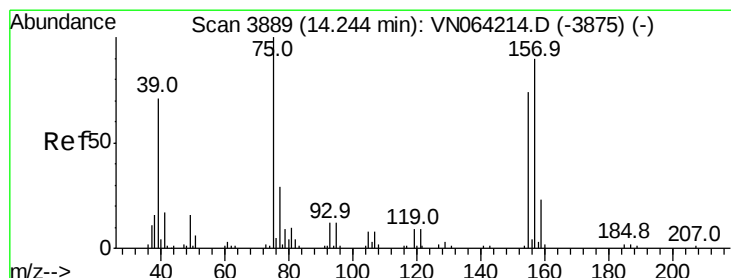
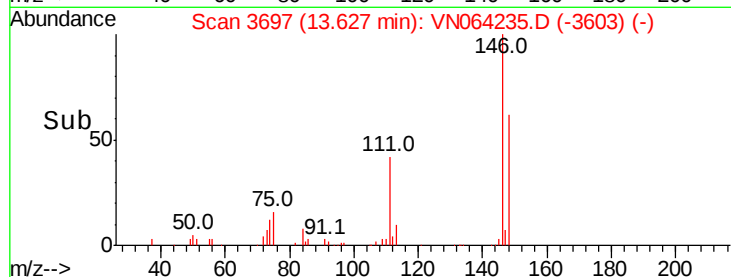
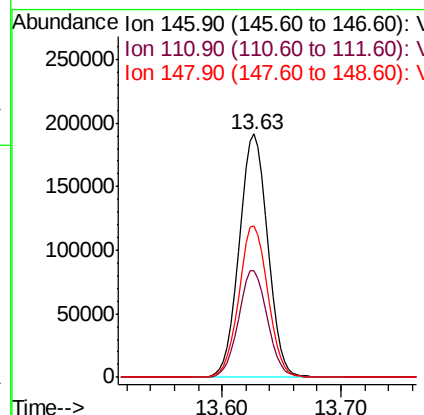
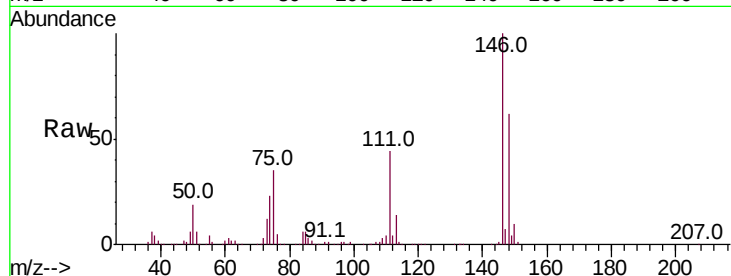




#91
 1,2-Dichlorobenzene
 Concen: 51.454 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

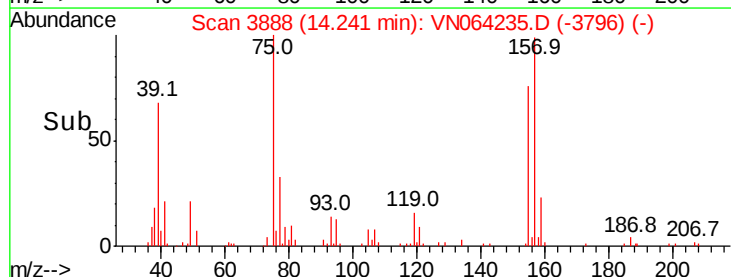
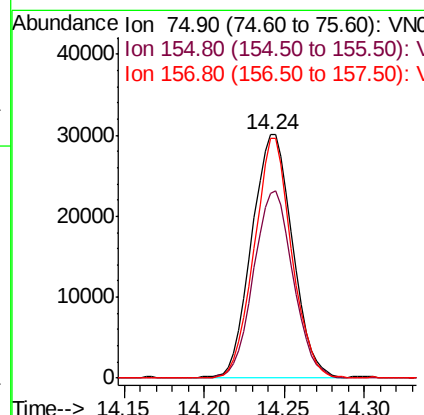
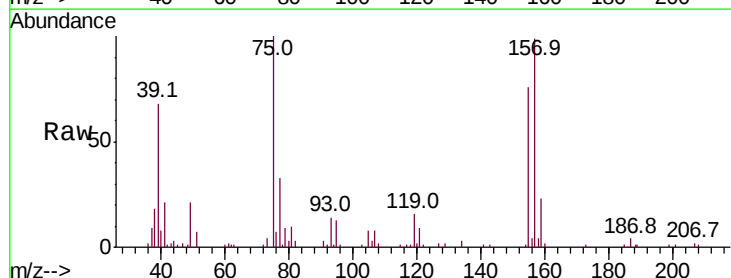
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

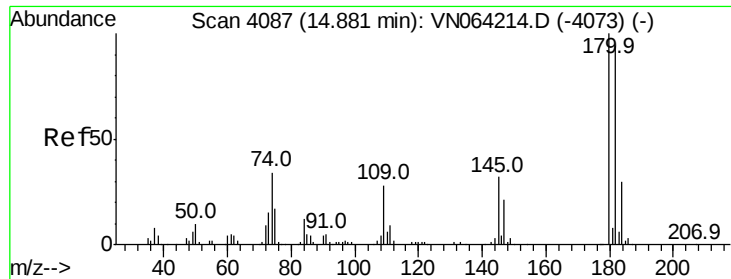
Tot Ion:146 Resp: 318824
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.9 68.7
 148 63.2 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.971 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion: 75 Resp: 52729
 Ion Ratio Lower Upper
 75 100
 155 74.0 36.9 110.7
 157 90.2 44.6 133.8

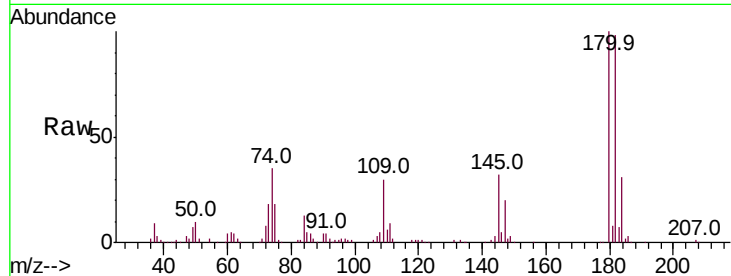




#93
 1,2,4-Trichlorobenzene
 Concen: 51.280 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.9	140.7
145	31.7	16.1	48.3

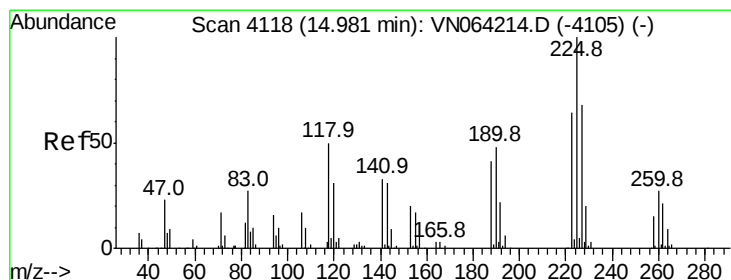
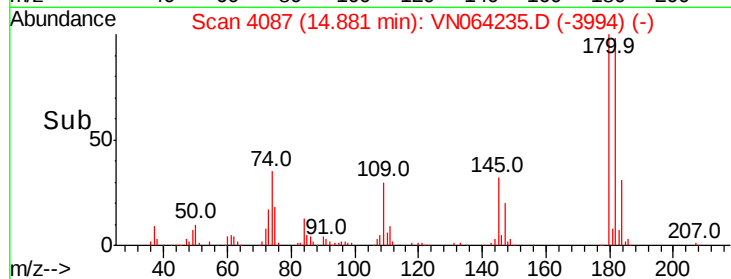
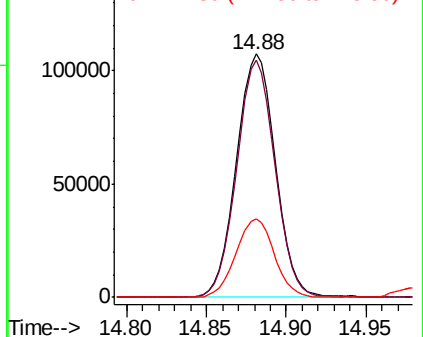


Abundance

Ion 179.80 (179.50 to 180.50): V

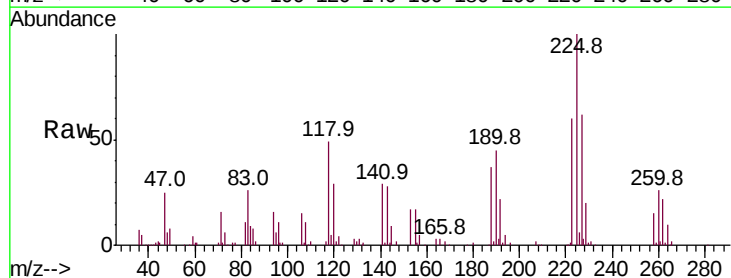
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 44.567 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064235.D
 Acq: 21 Oct 2020 20:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	63.0	32.1	96.5

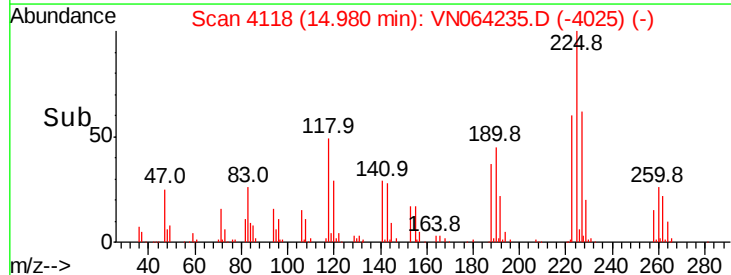
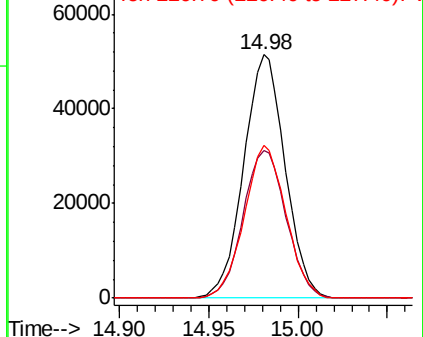


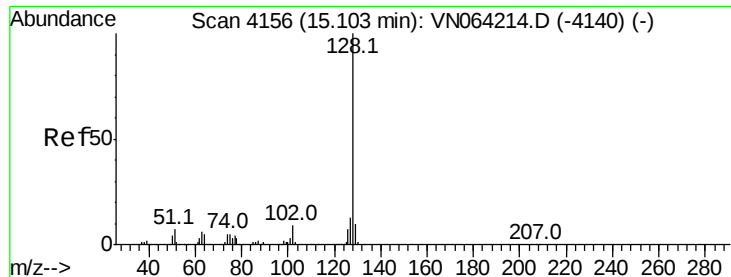
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.045 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

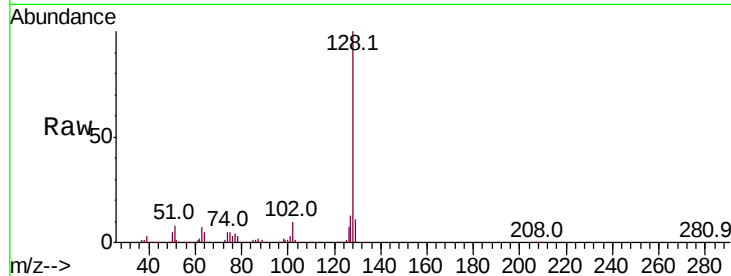
Tot Ion:128 Resp: 552061

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

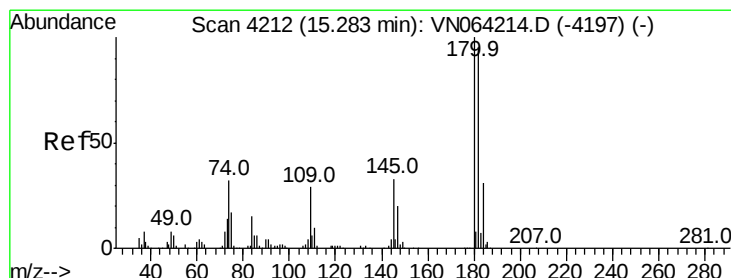
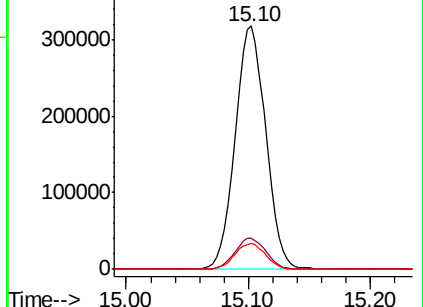
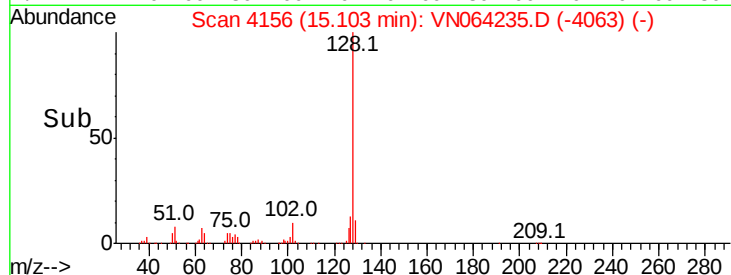
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.194 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064235.D

Acq: 21 Oct 2020 20:41

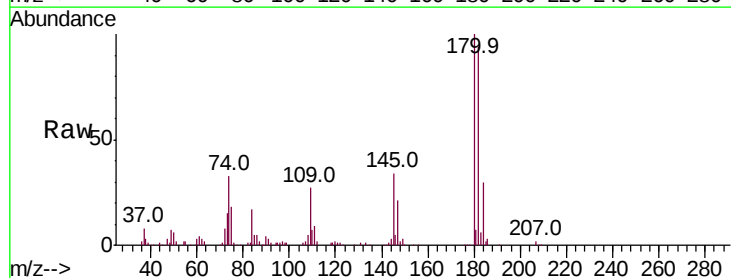
Tgt Ion:180 Resp: 176212

Ion Ratio Lower Upper

180 100

182 94.4 48.0 144.2

145 33.6 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

