

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081020\
 Data File : VN062796.D
 Acq On : 10 Aug 2020 9:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 10 11:13:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	175114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	265389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129502	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	133345	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	7.55	113	90224	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.06	98	351020	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.38	95	135889	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	122770	48.960	ug/l	98
3) Chloromethane	2.03	50	98264	41.526	ug/l	98
4) Vinyl Chloride	2.16	62	96041	43.273	ug/l	99
5) Bromomethane	2.51	94	72738	49.509	ug/l	97
6) Chloroethane	2.66	64	75080	51.421	ug/l	99
7) Trichlorofluoromethane	2.97	101	199556	50.424	ug/l	99
8) Diethyl Ether	3.37	74	54755	48.330	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	77891	48.779	ug/l	99
10) Methyl Iodide	3.91	142	92706	48.330	ug/l	99
11) Tert butyl alcohol	4.73	59	93328	196.637	ug/l	99
12) 1,1-Dichloroethene	3.69	96	69890	46.790	ug/l	97
13) Acrolein	3.57	56	54369	189.197	ug/l	99
14) Allyl chloride	4.27	41	123796	40.379	ug/l	98
15) Acrylonitrile	4.93	53	235647	214.062	ug/l	100
16) Acetone	3.77	43	309251	295.545	ug/l	99
17) Carbon Disulfide	4.00	76	184859	43.540	ug/l	99
18) Methyl Acetate	4.27	43	106693	42.951	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	315562	46.512	ug/l	97
20) Methylene Chloride	4.50	84	86941	45.331	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	76780	43.815	ug/l	96
22) Diisopropyl ether	5.90	45	292384	44.799	ug/l	98
23) Vinyl Acetate	5.84	43	1030370	207.558	ug/l	98
24) 1,1-Dichloroethane	5.79	63	164995	43.139	ug/l	99
25) 2-Butanone	6.78	43	351359	237.086	ug/l	100
26) 2,2-Dichloropropane	6.77	77	163352	46.333	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	92822	44.156	ug/l	97
28) Bromochloromethane	7.15	49	79898	43.284	ug/l	96
29) Tetrahydrofuran	7.16	42	202851	210.689	ug/l	97
30) Chloroform	7.33	83	180717	44.460	ug/l	99
31) Cyclohexane	7.61	56	151943	43.277	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	163519	44.995	ug/l	98
36) 1,1-Dichloropropene	7.75	75	120513	46.636	ug/l	98
37) Ethyl Acetate	6.88	43	118238	43.802	ug/l	99
38) Carbon Tetrachloride	7.73	117	144307	47.217	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	155917	50.137	ug/l	97
40) Benzene	8.00	78	352382	45.698	ug/l	97
41) Methacrylonitrile	7.16	41	187813	154.189	ug/l #	61
42) 1,2-Dichloroethane	8.08	62	155734	47.451	ug/l	99
43) Isopropyl Acetate	8.13	43	196281	43.594	ug/l	98
44) Trichloroethene	8.80	130	87628	46.643	ug/l	96
45) 1,2-Dichloropropane	9.08	63	98649	47.268	ug/l	97
46) Dibromomethane	9.17	93	64876	47.443	ug/l	98
47) Bromodichloromethane	9.37	83	151090	49.196	ug/l	100
48) Methyl methacrylate	9.17	41	98441	44.451	ug/l	97
49) 1,4-Dioxane	9.17	88	38556	939.582	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	659901	226.524	ug/l	99
52) Toluene	10.12	92	228692	48.034	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	166416	49.261	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	166489	49.086	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	97257	47.830	ug/l	97
56) Ethyl methacrylate	10.40	69	150446	49.155	ug/l	99
57) 1,3-Dichloropropane	10.68	76	164994	47.755	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	164767	190.452	ug/l	98
59) 2-Hexanone	10.72	43	526985	242.510	ug/l	100
60) Dibromochloromethane	10.87	129	115237	49.661	ug/l	98
61) 1,2-Dibromoethane	10.98	107	95881	47.786	ug/l	99
64) Tetrachloroethene	10.60	164	76888	46.964	ug/l	99
65) Chlorobenzene	11.41	112	253799	47.849	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	105453	49.508	ug/l	96
67) Ethyl Benzene	11.48	91	467766	49.281	ug/l	97
68) m/p-Xylenes	11.60	106	348153	101.045	ug/l	99
69) o-Xylene	11.92	106	166220	51.478	ug/l	99
70) Styrene	11.94	104	295298	52.029	ug/l	99
71) Bromoform	12.10	173	82610	47.401	ug/l #	99
73) Isopropylbenzene	12.22	105	472883	48.494	ug/l	99
74) N-amyl acetate	12.04	43	183788	46.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	148201	43.172	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	205834	58.936	ug/l #	100
77) Bromobenzene	12.50	156	112541	46.448	ug/l	95
78) n-propylbenzene	12.57	91	566130	49.458	ug/l	99
79) 2-Chlorotoluene	12.65	91	339102	47.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	427947	50.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	55176	48.228	ug/l	98
82) 4-Chlorotoluene	12.75	91	363547	49.146	ug/l	100
83) tert-Butylbenzene	12.97	119	355339	49.639	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	425194	52.536	ug/l	99
85) sec-Butylbenzene	13.15	105	470397	50.040	ug/l	100
86) p-Isopropyltoluene	13.26	119	438908	52.600	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	209100	48.308	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	209011	48.144	ug/l	98
89) n-Butylbenzene	13.59	91	366037	51.868	ug/l	100
90) Hexachloroethane	13.85	117	81951	45.563	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	200692	49.455	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	33851	45.933	ug/l	98

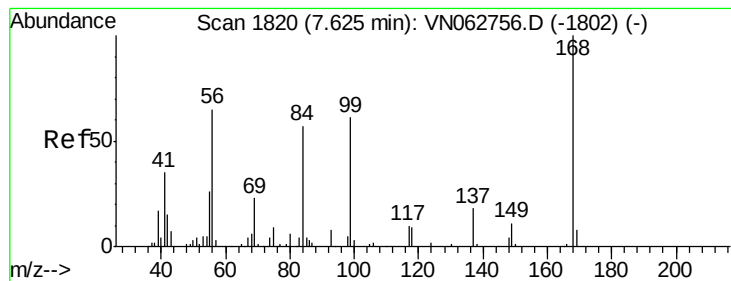
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081020\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	97949	45.279	ug/l	98
94) Hexachlorobutadiene	14.99	225	67384	52.844	ug/l	98
95) Naphthalene	15.10	128	241600	41.281	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	96408	45.162	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

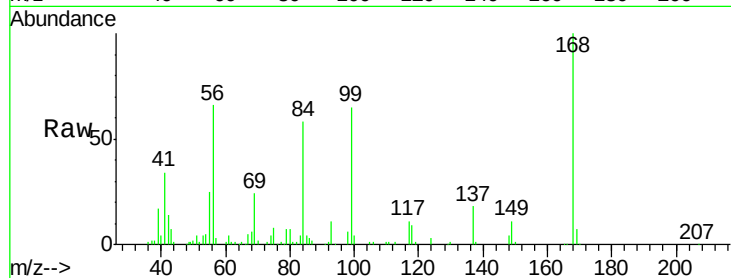
VSTDCCC050

Tgt Ion: 168 Resp: 175114

Ion Ratio Lower Upper

168 100

99 64.6 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

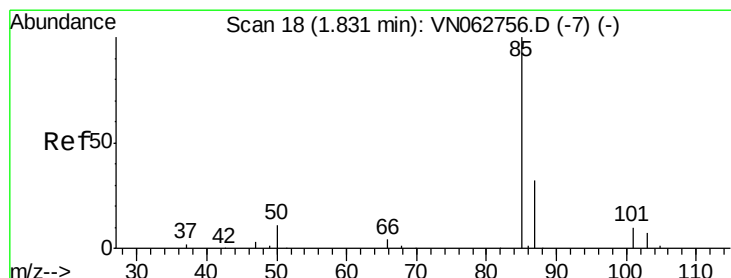
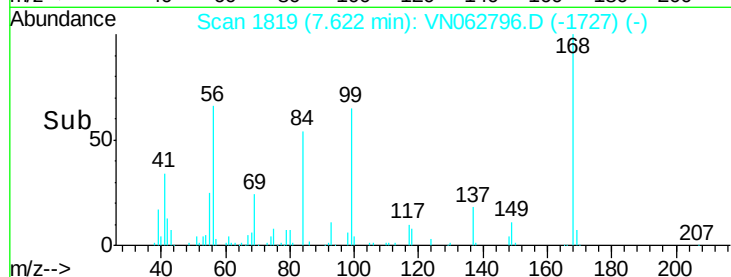
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 48.960 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062796.D

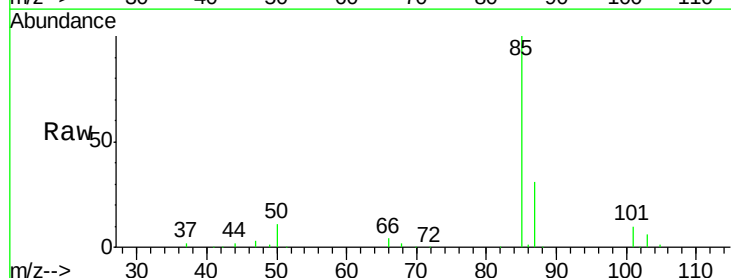
Acq: 10 Aug 2020 9:19

Tgt Ion: 85 Resp: 122770

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

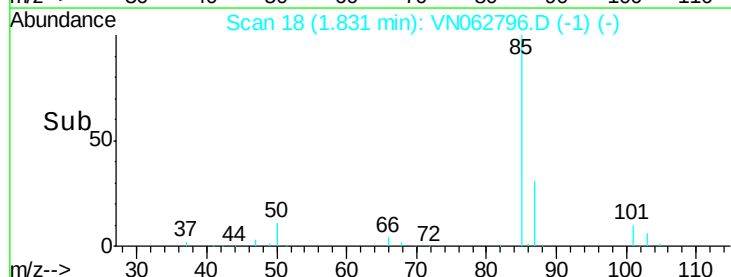
60000

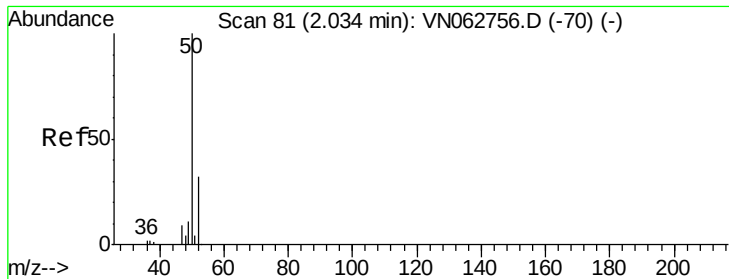
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 41.526 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

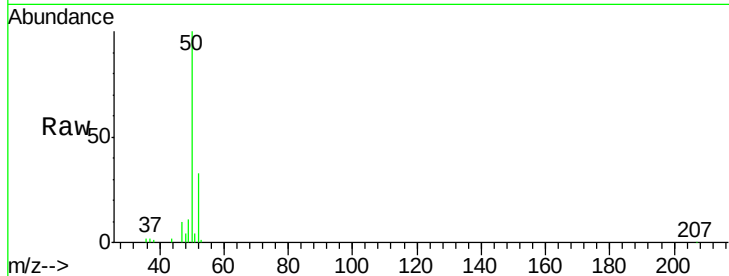
VSTDCCC050

Tgt Ion: 50 Resp: 98264

Ion Ratio Lower Upper

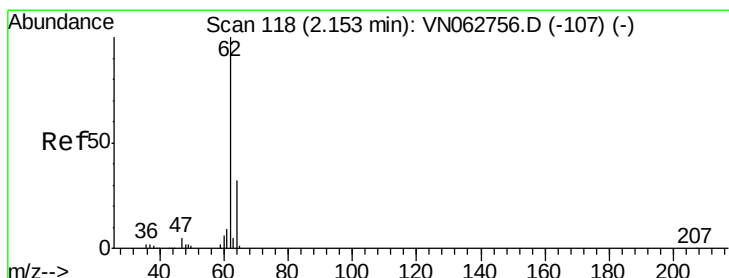
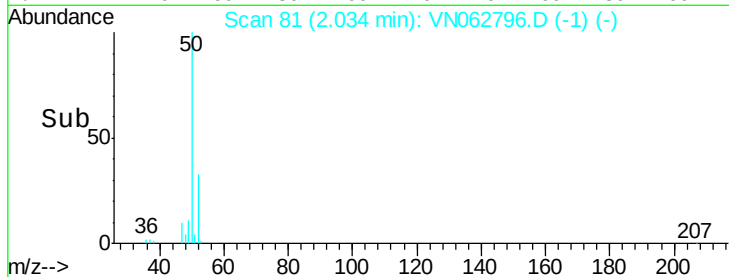
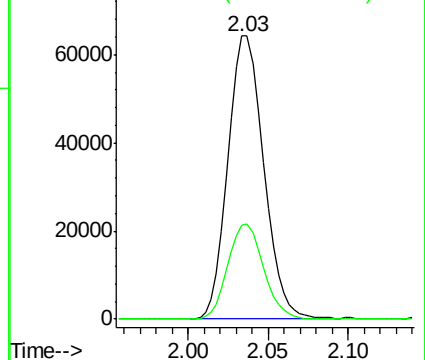
50 100

52 33.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.273 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062796.D

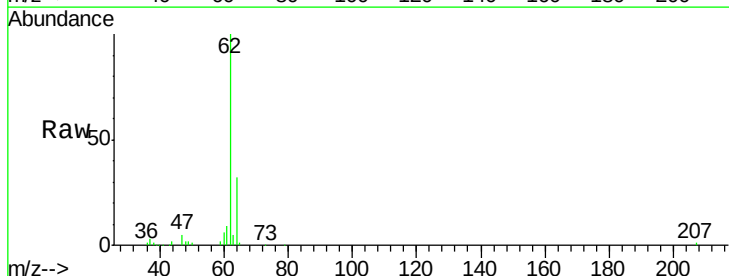
Acq: 10 Aug 2020 9:19

Tgt Ion: 62 Resp: 96041

Ion Ratio Lower Upper

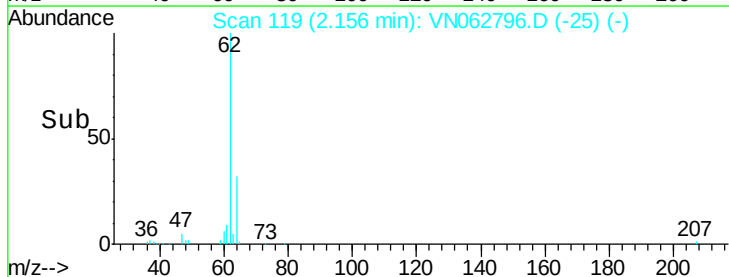
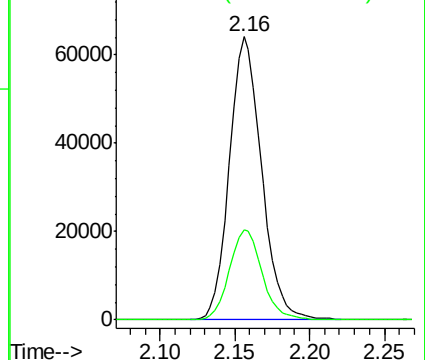
62 100

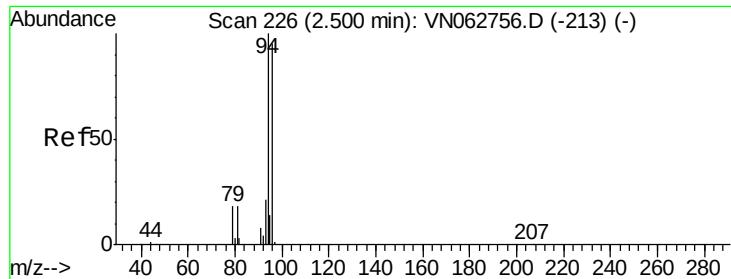
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

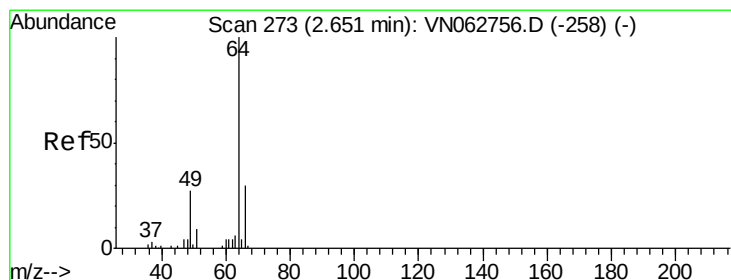
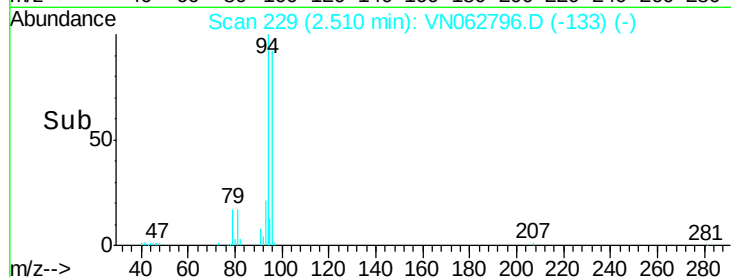
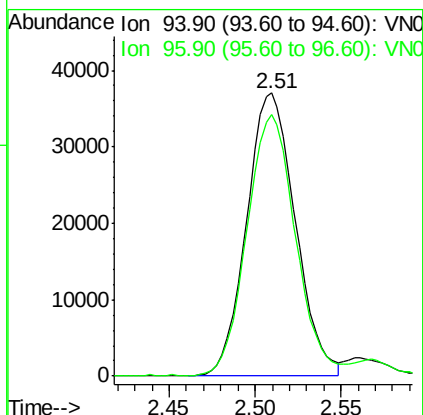
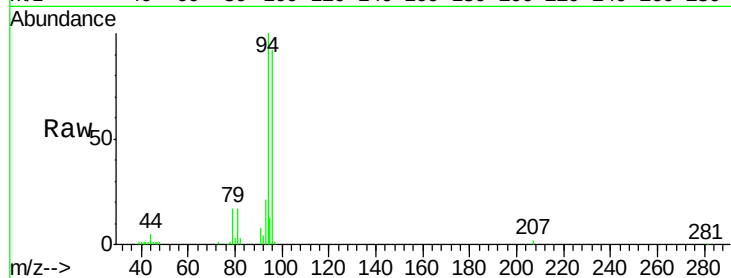




#5
 Bromomethane
 Concen: 49.509 ug/l
 RT: 2.51 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

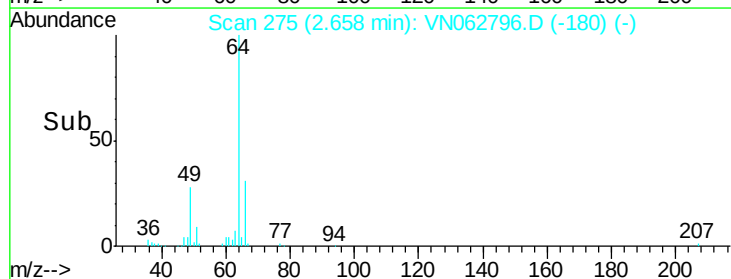
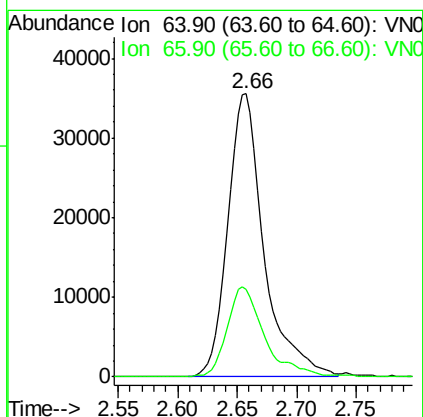
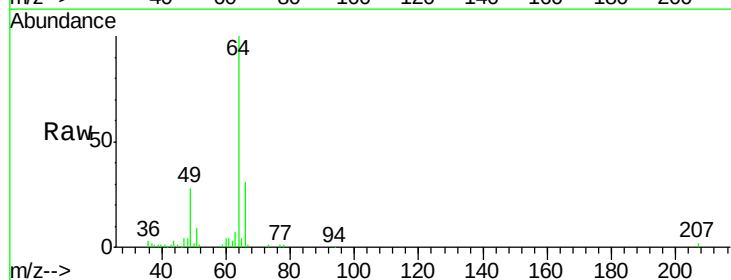
Instrument :
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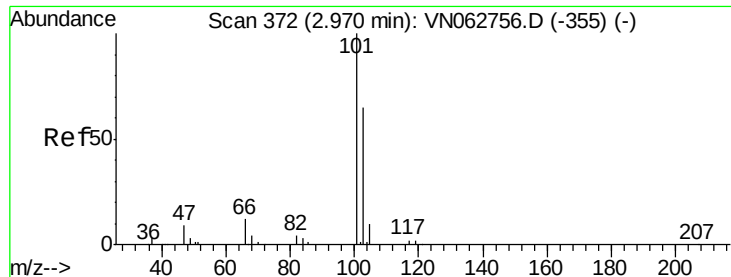
Tgt Ion: 94 Resp: 72738
 Ion Ratio Lower Upper
 94 100
 96 92.4 76.2 114.4



#6
 Chloroethane
 Concen: 51.421 ug/l
 RT: 2.66 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 64 Resp: 75080
 Ion Ratio Lower Upper
 64 100
 66 30.8 24.0 36.0



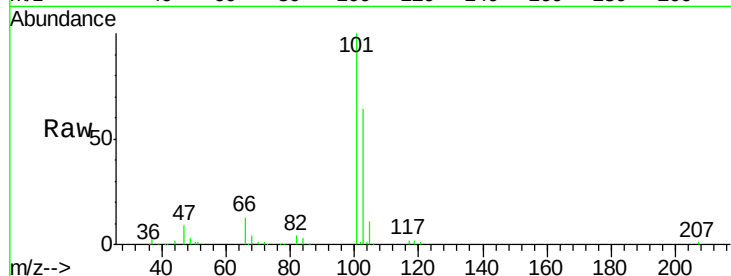


#7

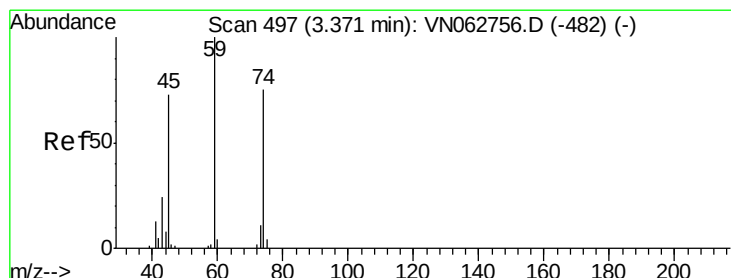
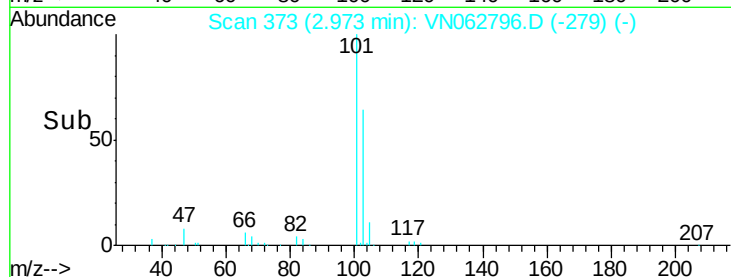
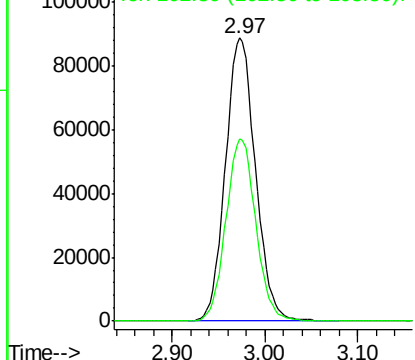
Trichlorofluoromethane
Concen: 50.424 ug/l
RT: 2.97 min Scan# 373
Delta R.T. 0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 199556
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5



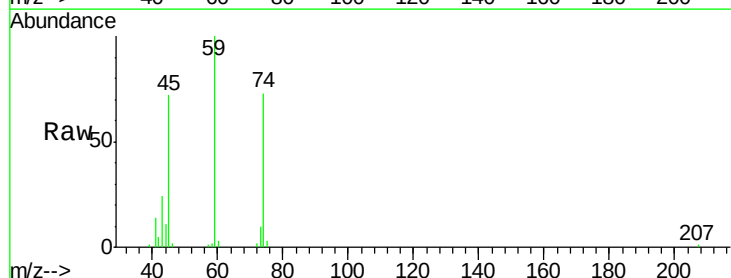
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



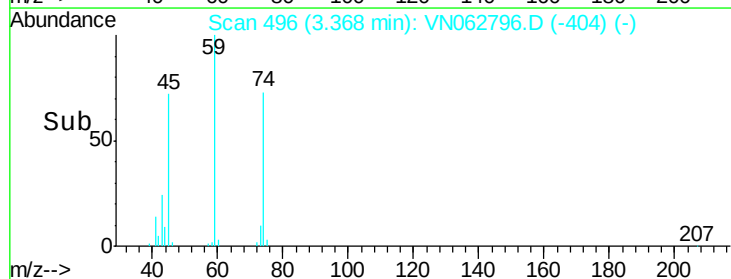
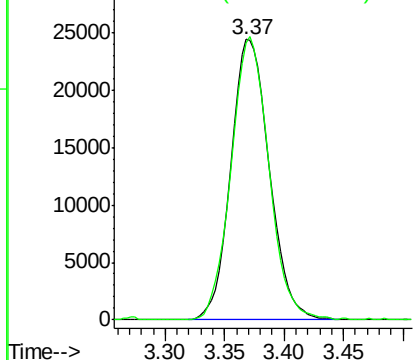
#8

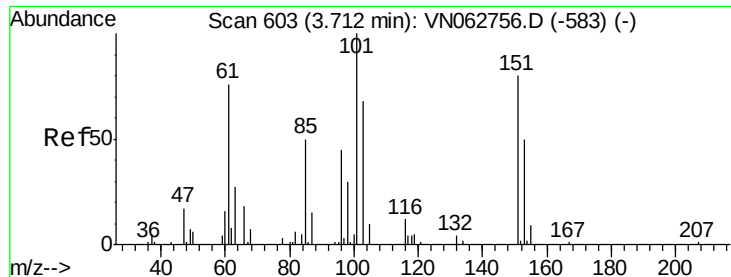
Diethyl Ether
Concen: 48.330 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion: 74 Resp: 54755
Ion Ratio Lower Upper
74 100
45 99.0 48.7 146.1



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.779 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

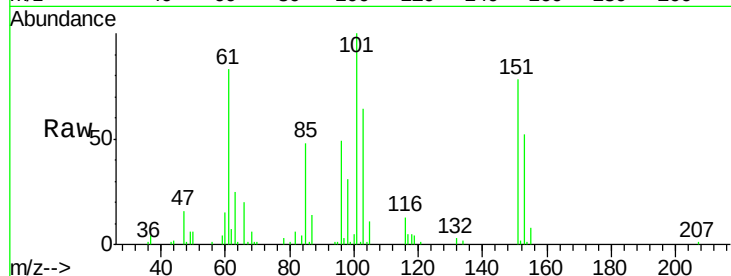
Tgt Ion:101 Resp: 77891

Ion Ratio Lower Upper

101 100

85 46.4 38.5 57.7

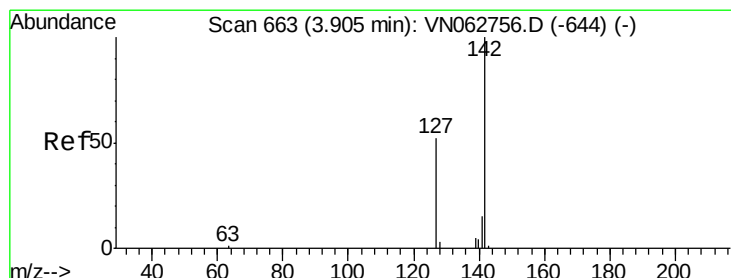
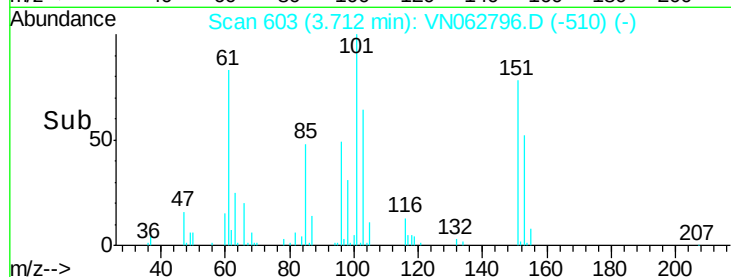
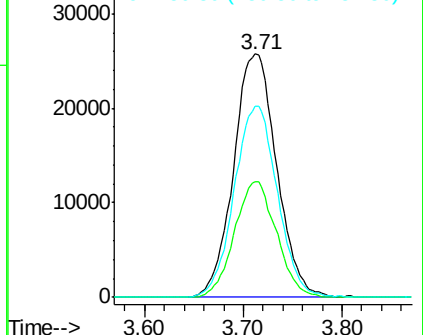
151 78.9 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.330 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

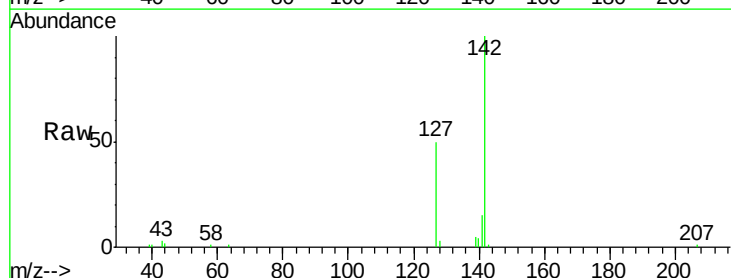
Tgt Ion:142 Resp: 92706

Ion Ratio Lower Upper

142 100

127 52.6 41.4 62.0

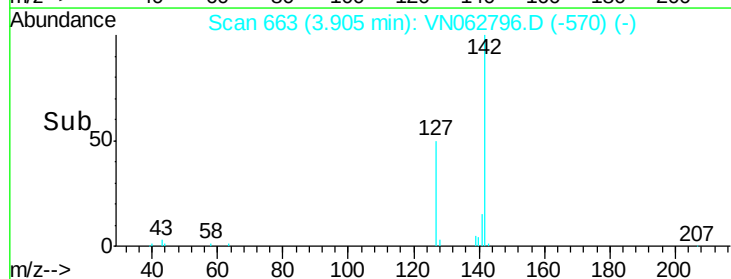
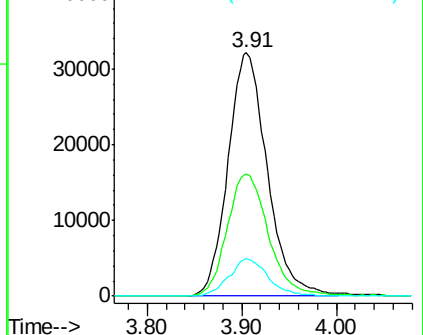
141 15.2 12.2 18.4

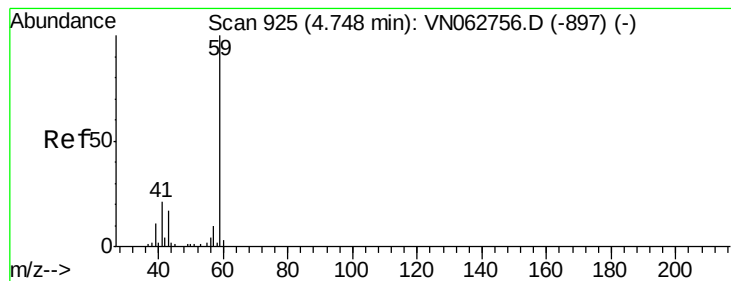


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



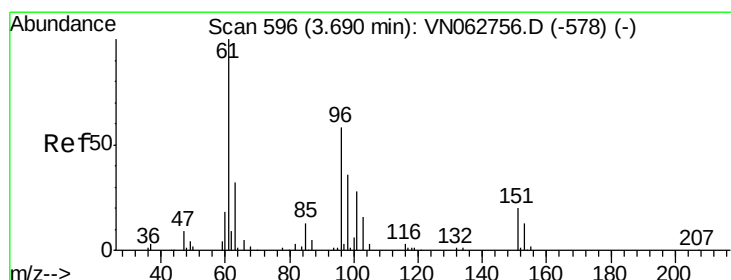
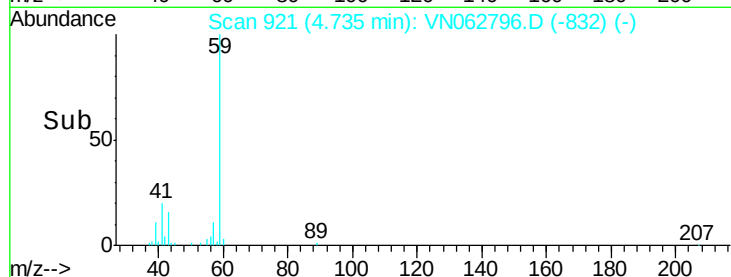
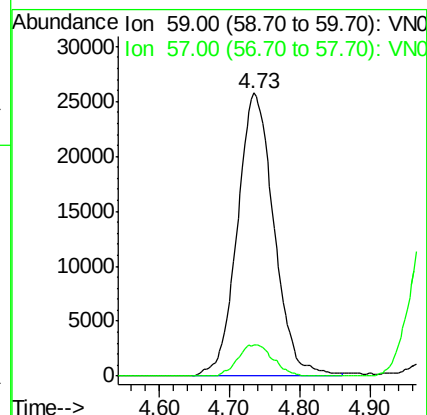
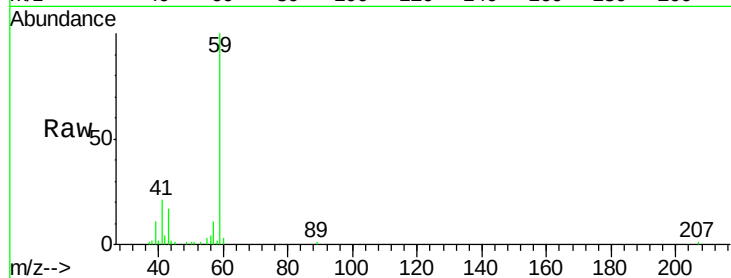


#11

Tert butyl alcohol
Concen: 196.637 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.01 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

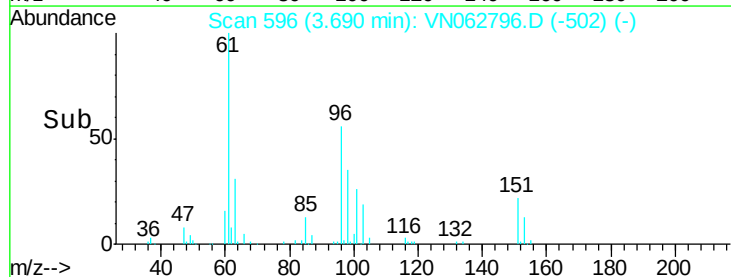
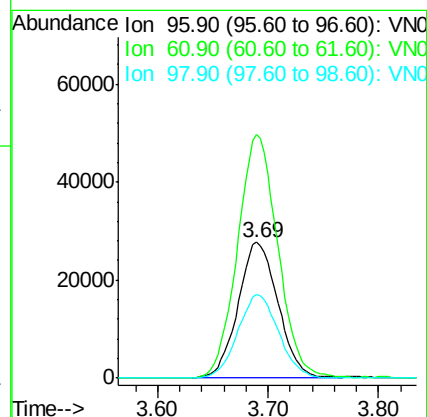
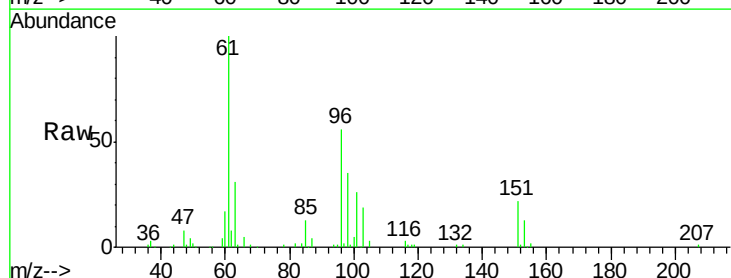
Tgt Ion: 59 Resp: 93328
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

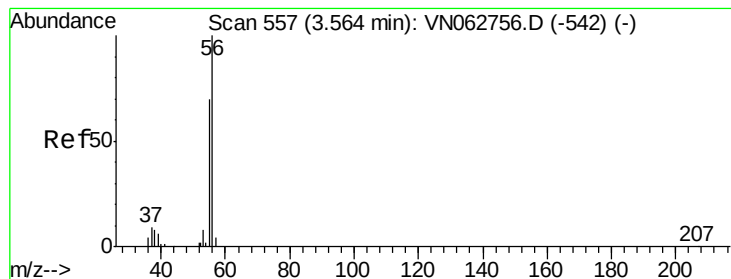


#12

1,1-Dichloroethene
Concen: 46.790 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion: 96 Resp: 69890
Ion Ratio Lower Upper
96 100
61 179.6 139.0 208.6
98 62.0 50.2 75.4





#13

Acrolein

Concen: 189.197 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

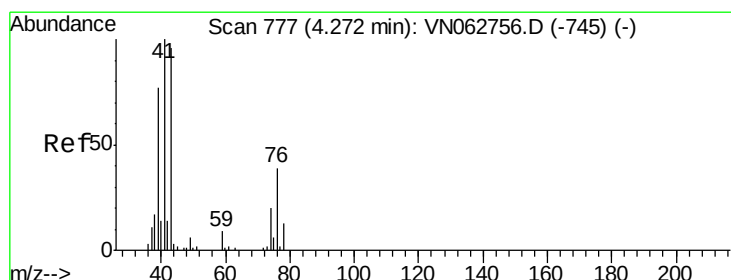
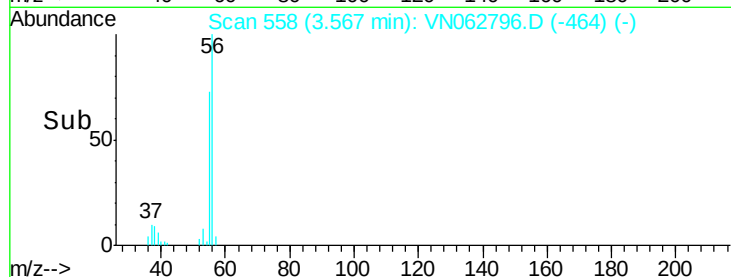
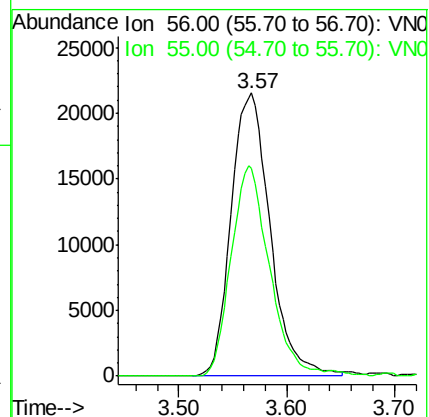
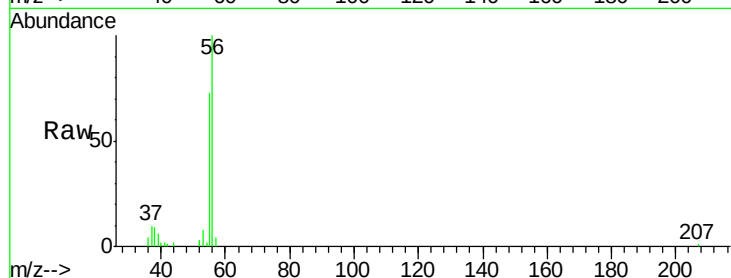
VSTDCCC050

Tgt Ion: 56 Resp: 54369

Ion Ratio Lower Upper

56 100

55 72.5 57.0 85.6



#14

Allyl chloride

Concen: 40.379 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

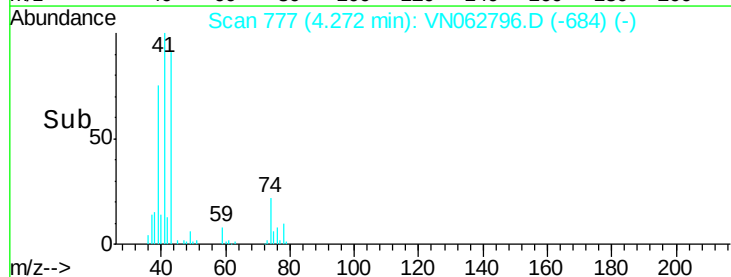
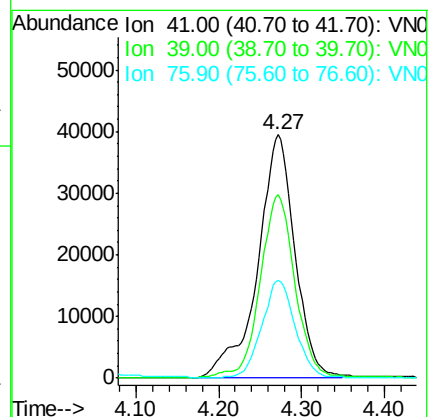
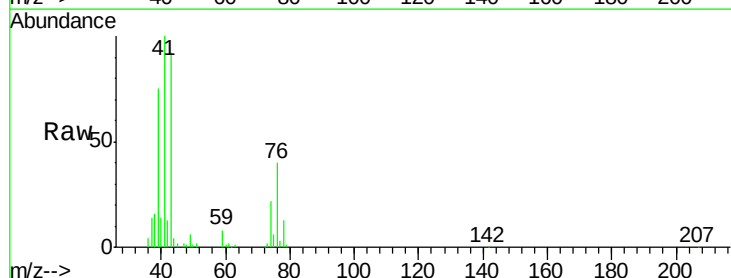
Tgt Ion: 41 Resp: 123796

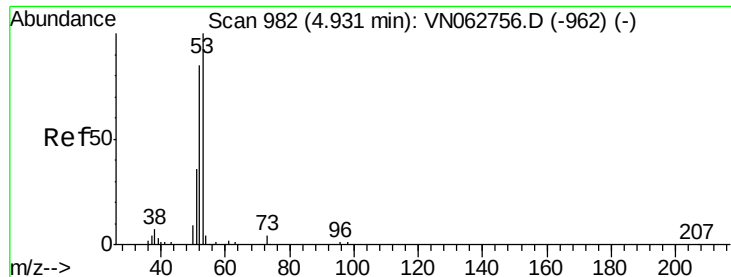
Ion Ratio Lower Upper

41 100

39 70.6 55.7 83.5

76 36.0 27.5 41.3





#15

Acrylonitrile

Concen: 214.062 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

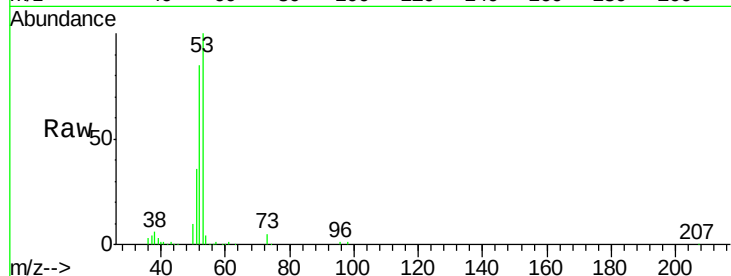
Tgt Ion: 53 Resp: 235647

Ion Ratio Lower Upper

53 100

52 83.3 66.8 100.2

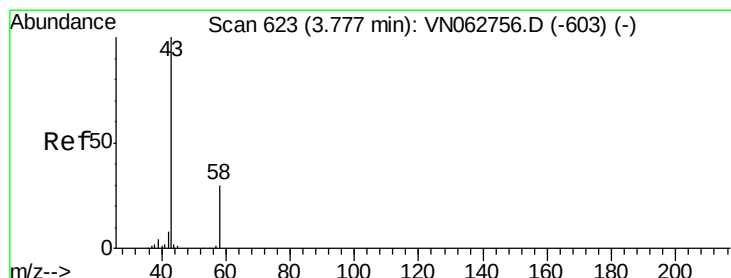
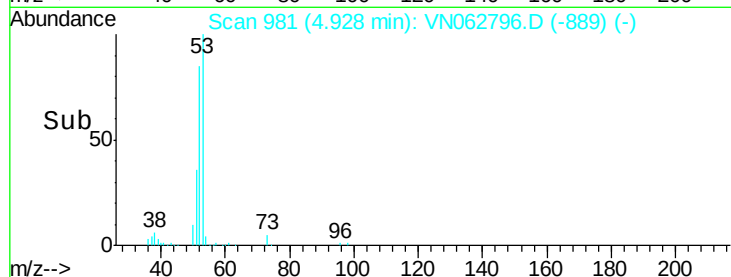
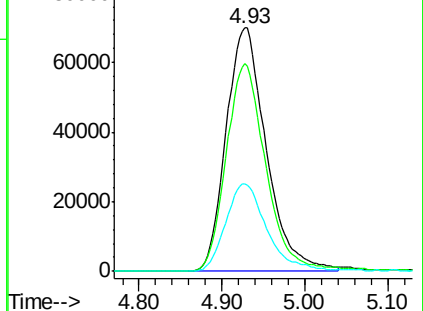
51 37.0 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN062796.D (-982) (-)

Ion 52.00 (51.70 to 52.70): VN062796.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VN062796.D (-982) (-)



#16

Acetone

Concen: 295.545 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062796.D

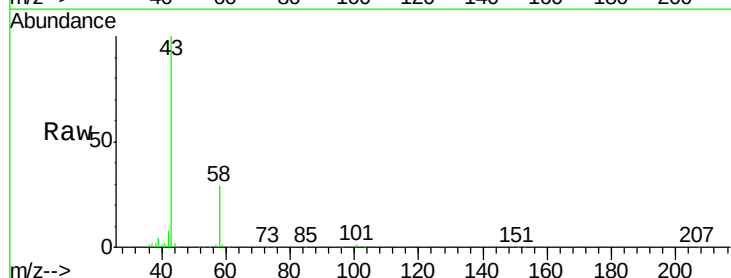
Acq: 10 Aug 2020 9:19

Tgt Ion: 43 Resp: 309251

Ion Ratio Lower Upper

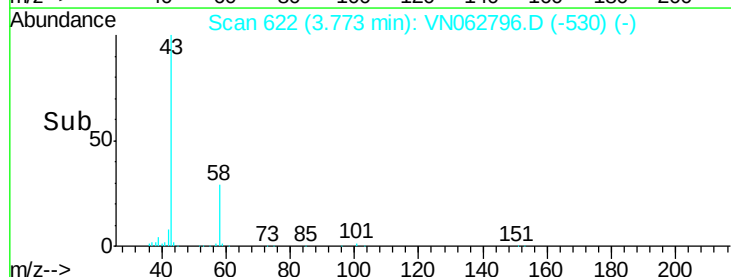
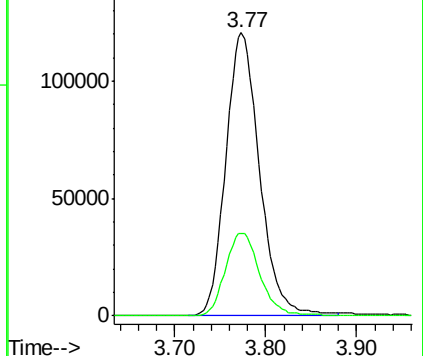
43 100

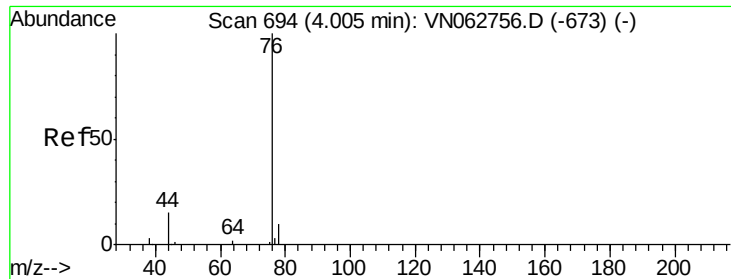
58 29.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062796.D (-623) (-)

Ion 58.00 (57.70 to 58.70): VN062796.D (-623) (-)





#17

Carbon Disulfide

Concen: 43.540 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

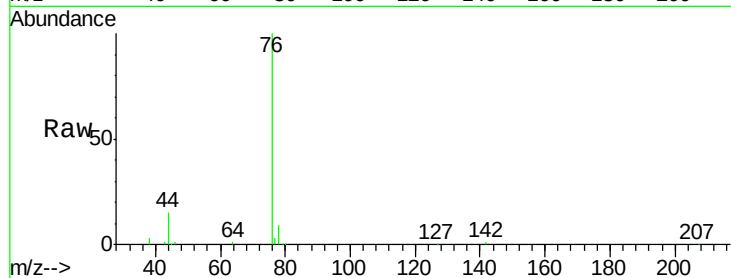
VSTDCCC050

Tgt Ion: 76 Resp: 184859

Ion Ratio Lower Upper

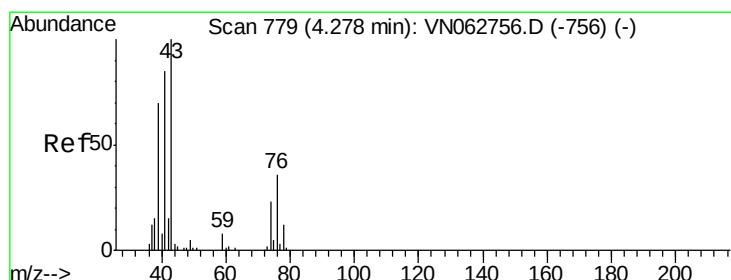
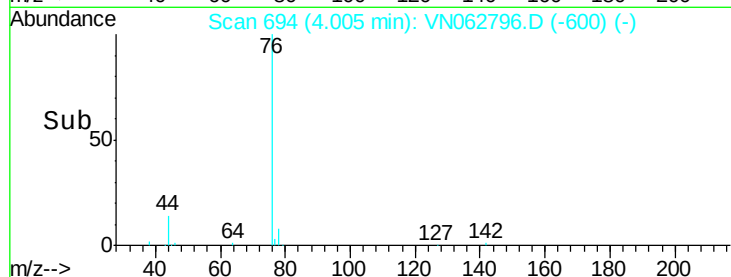
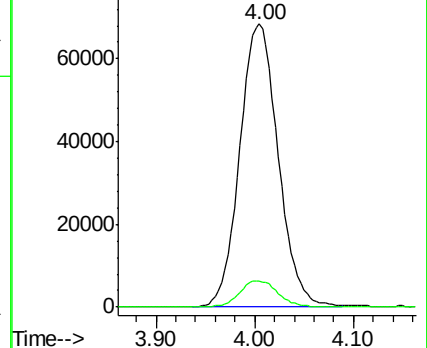
76 100

78 9.1 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN062796.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062796.D (-600) (-)



#18

Methyl Acetate

Concen: 42.951 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062796.D

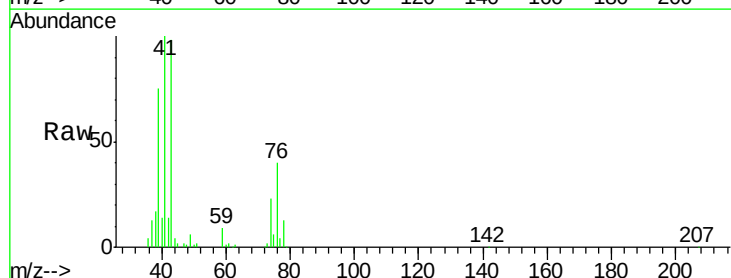
Acq: 10 Aug 2020 9:19

Tgt Ion: 43 Resp: 106693

Ion Ratio Lower Upper

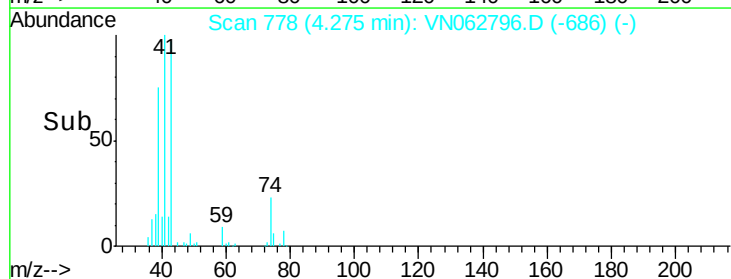
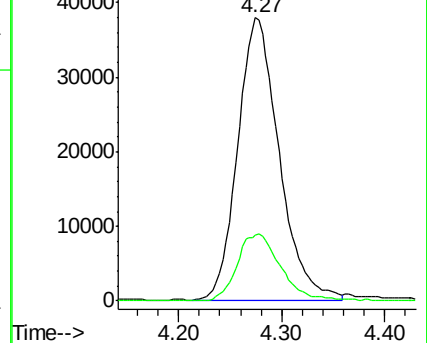
43 100

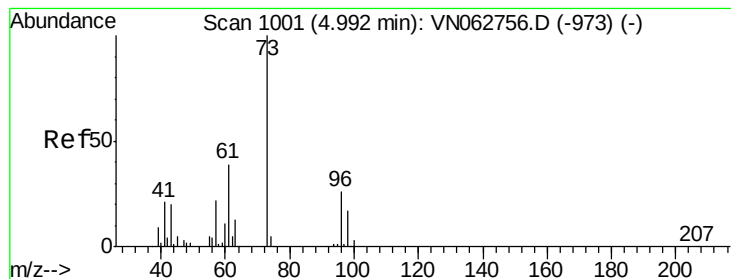
74 24.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN062796.D (-686) (-)

Ion 74.00 (73.70 to 74.70): VN062796.D (-686) (-)





#19

Methyl tert-butyl Ether

Concen: 46.512 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

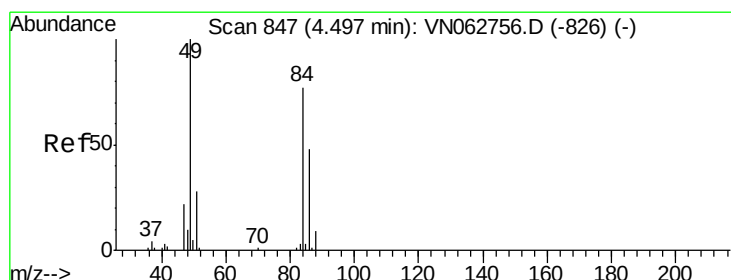
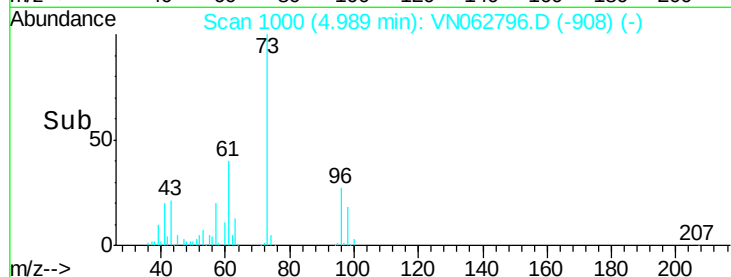
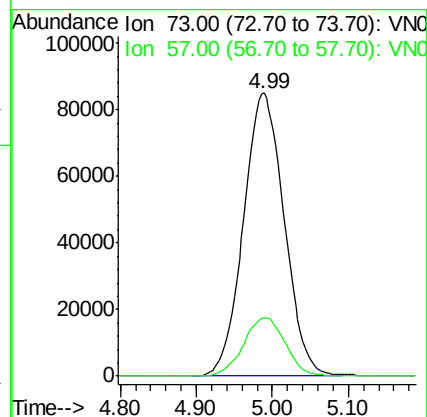
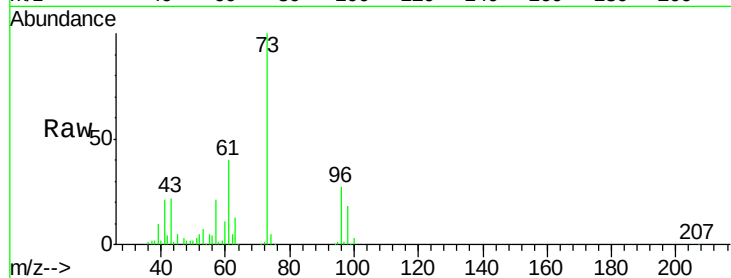
VSTDCCC050

Tgt Ion: 73 Resp: 315562

Ion Ratio Lower Upper

73 100

57 20.5 17.5 26.3



#20

Methylene Chloride

Concen: 45.331 ug/l

RT: 4.50 min Scan# 847

Delta R.T. 0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion: 84 Resp: 86941

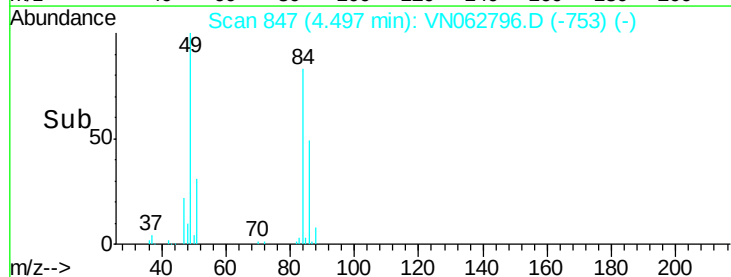
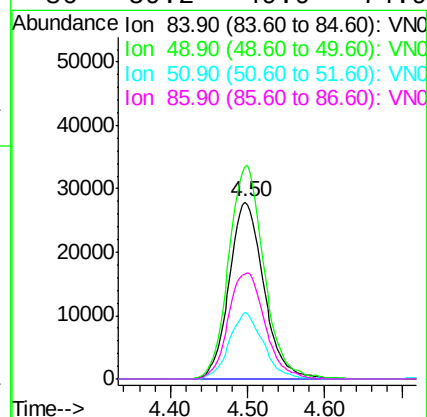
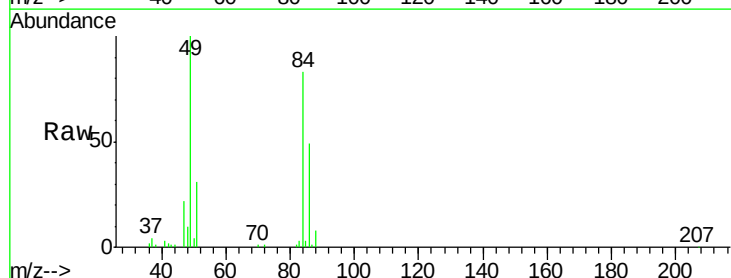
Ion Ratio Lower Upper

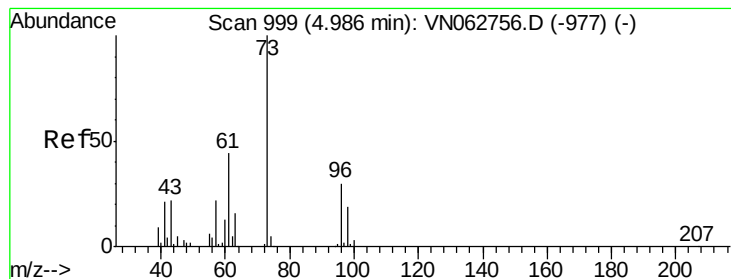
84 100

49 120.3 103.4 155.2

51 37.6 29.3 43.9

86 59.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 43.815 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

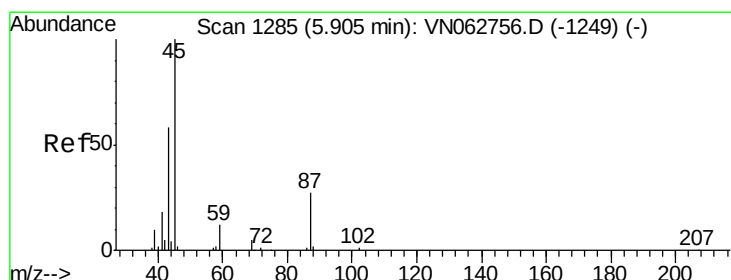
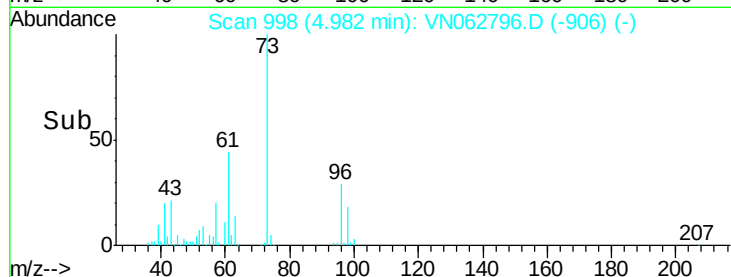
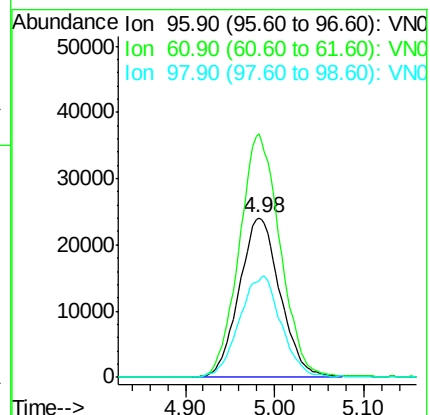
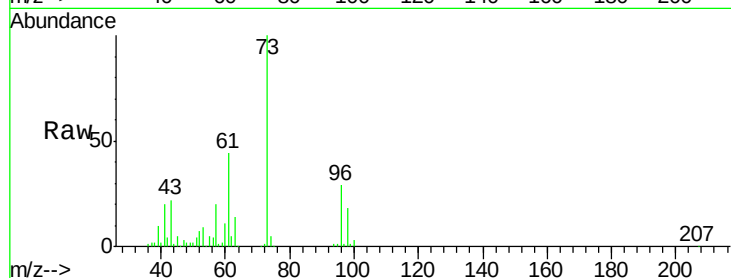
Tgt Ion: 96 Resp: 76780

Ion Ratio Lower Upper

96 100

61 152.9 118.8 178.2

98 60.4 51.0 76.4



#22

Diisopropyl ether

Concen: 44.799 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion: 45 Resp: 292384

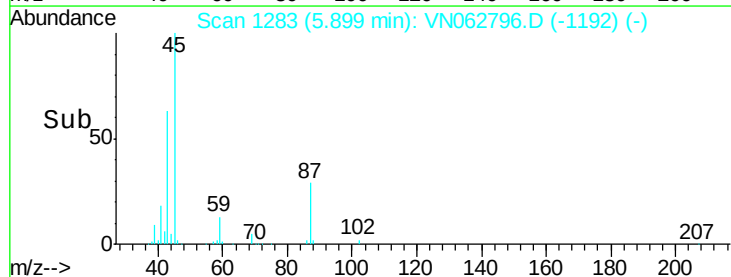
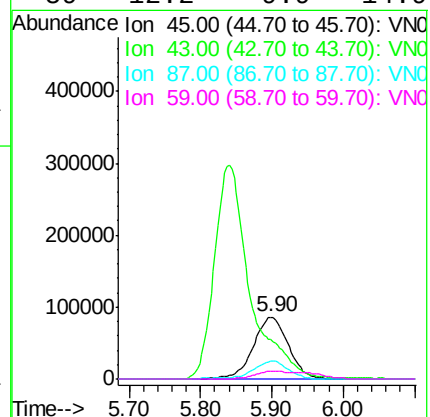
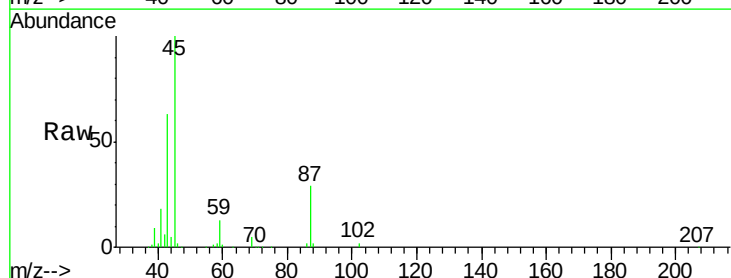
Ion Ratio Lower Upper

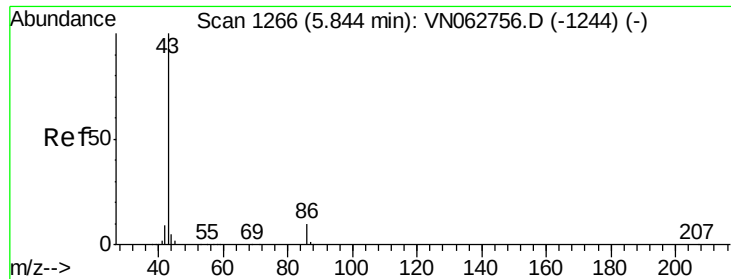
45 100

43 61.4 47.4 71.2

87 28.7 22.8 34.2

59 12.2 9.9 14.9





#23

Vinyl Acetate

Concen: 207.558 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

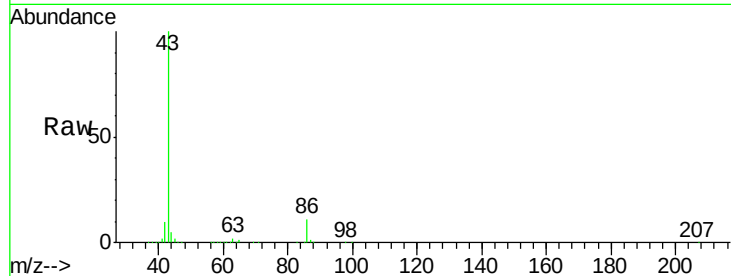
VSTDCCC050

Tgt Ion: 43 Resp: 1030370

Ion Ratio Lower Upper

43 100

86 10.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN062796.D (-1173) (-)

Ion 86.00 (85.70 to 86.70): VN062796.D (-1173) (-)

5.84

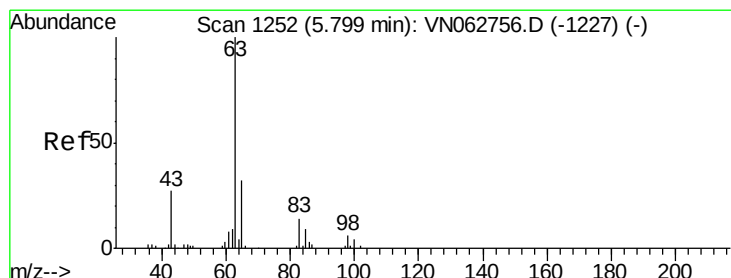
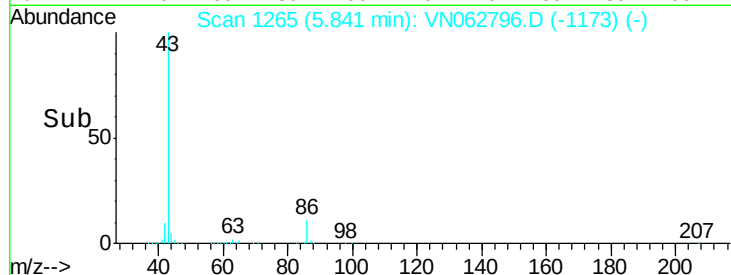
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 43.139 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

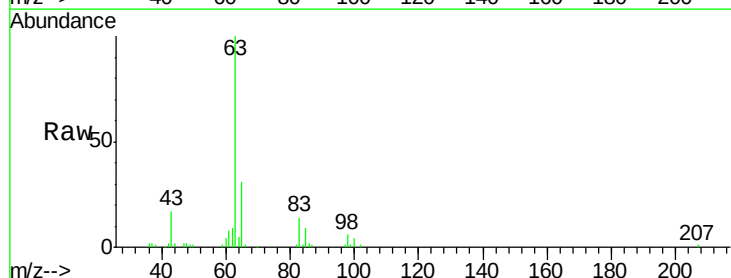
Tgt Ion: 63 Resp: 164995

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN062796.D (-1159) (-)

Ion 97.90 (97.60 to 98.60): VN062796.D (-1159) (-)

Ion 99.90 (99.60 to 100.60): VN062796.D (-1159) (-)

5.79

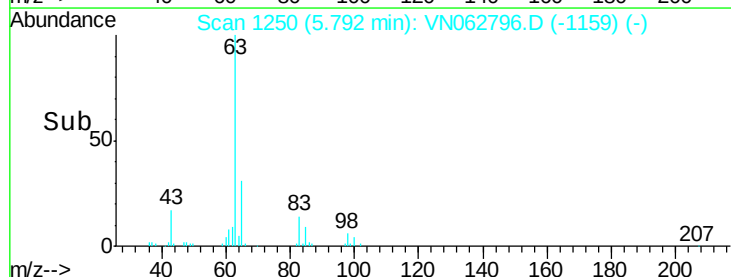
60000

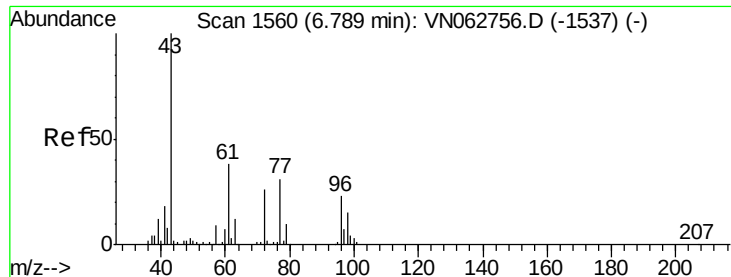
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.086 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

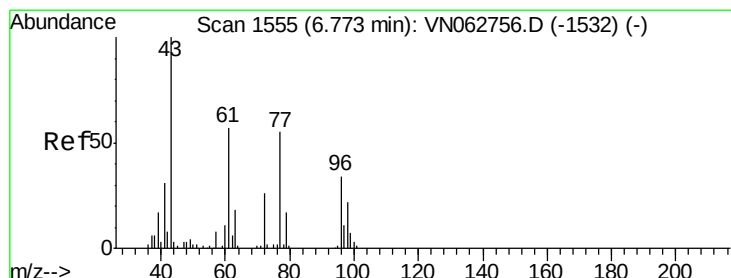
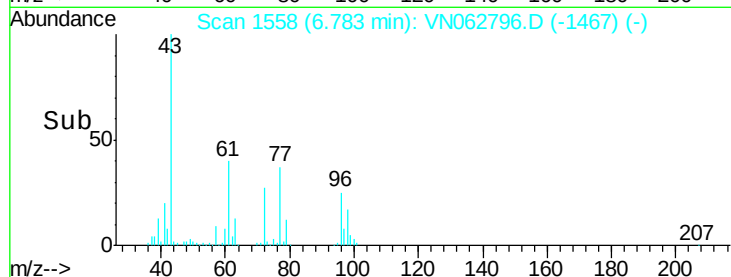
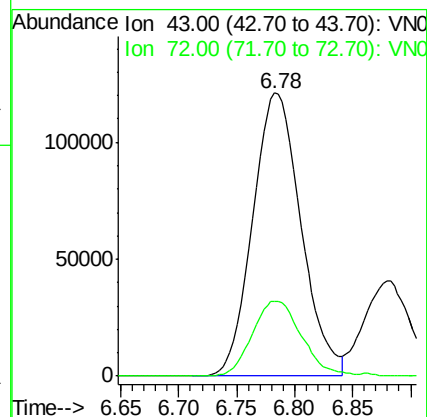
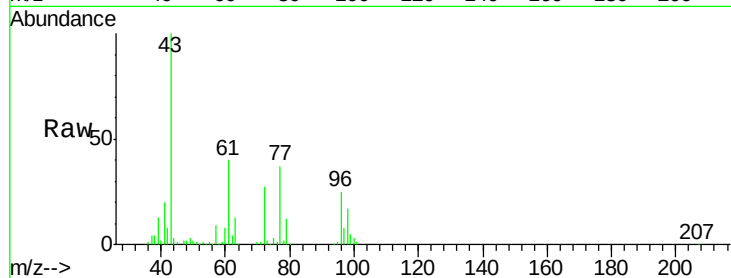
VSTDCCC050

Tgt Ion: 43 Resp: 351359

Ion Ratio Lower Upper

43 100

72 26.6 21.1 31.7



#26

2,2-Dichloropropane

Concen: 46.333 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062796.D

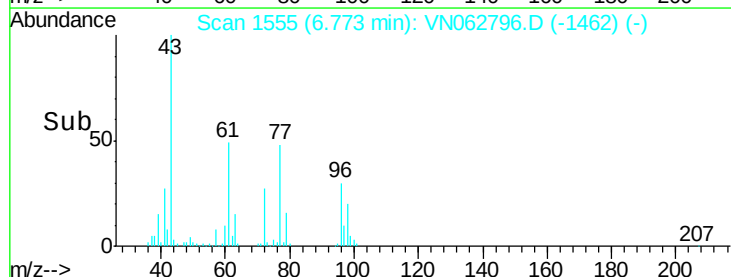
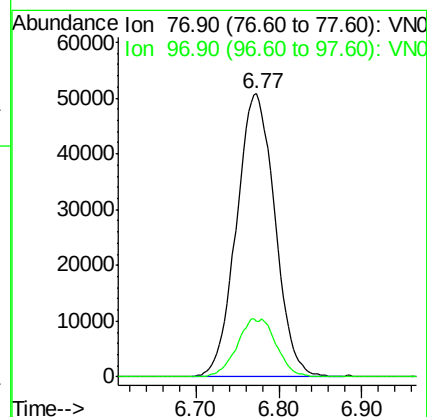
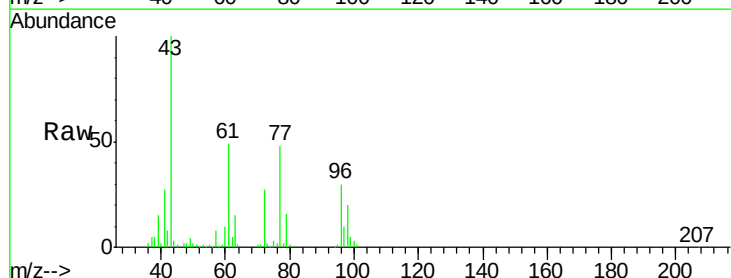
Acq: 10 Aug 2020 9:19

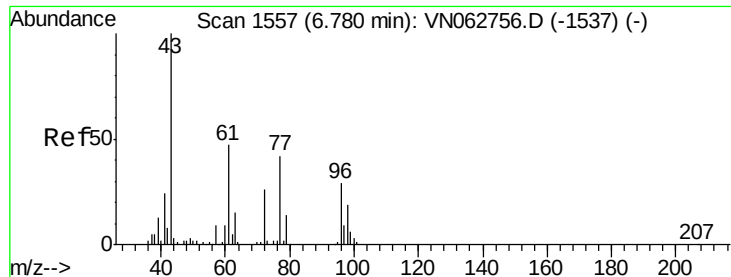
Tgt Ion: 77 Resp: 163352

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 44.156 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

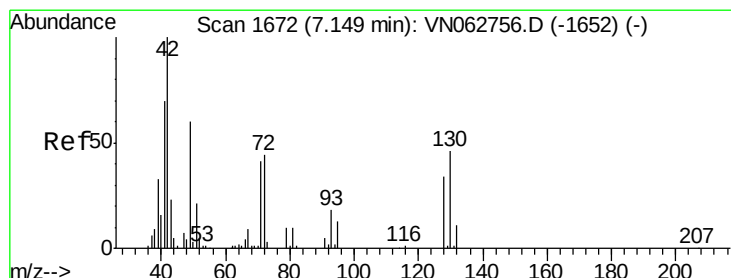
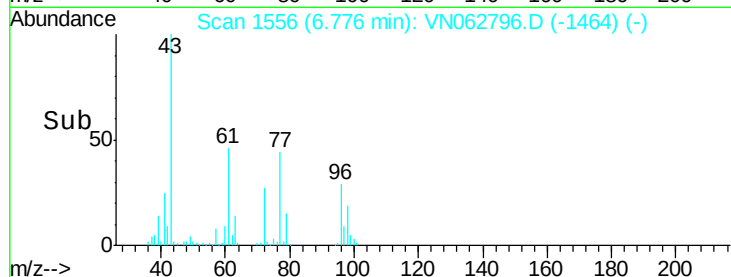
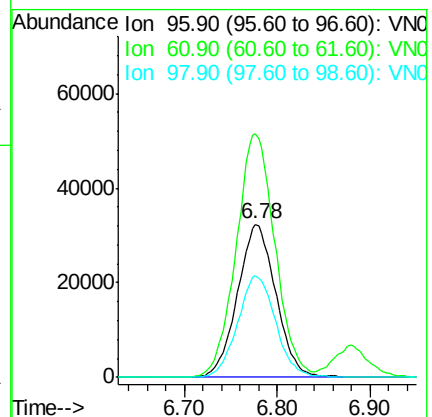
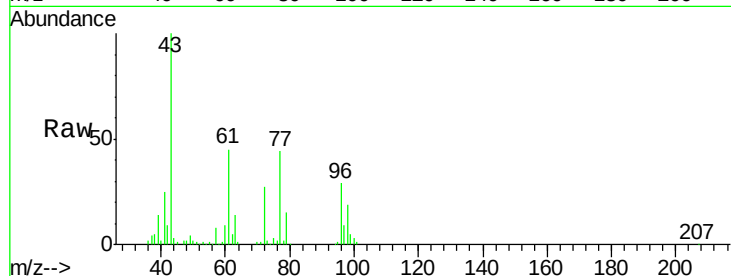
Tgt Ion: 96 Resp: 92822

Ion Ratio Lower Upper

96 100

61 160.8 0.0 332.2

98 65.6 0.0 129.4



#28

Bromochloromethane

Concen: 43.284 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

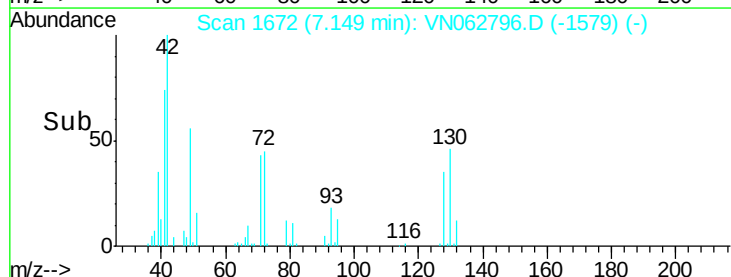
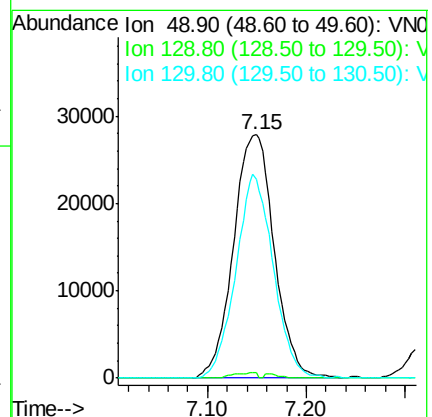
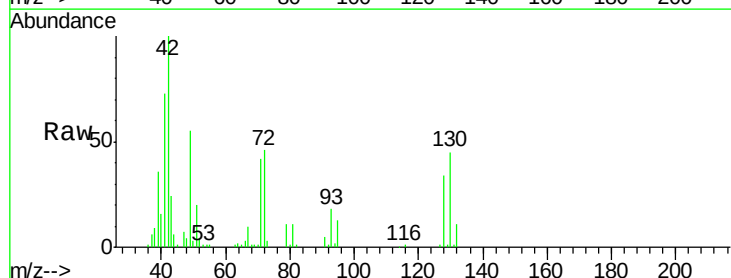
Tgt Ion: 49 Resp: 79898

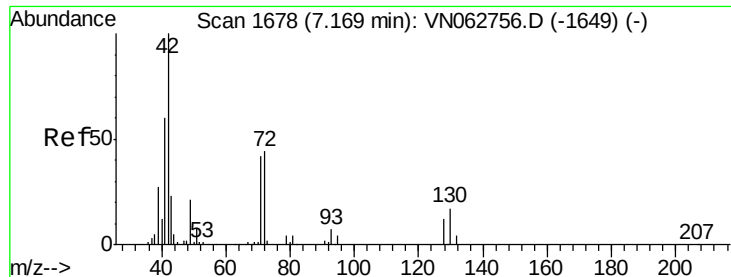
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.2

130 76.9 59.0 88.6





#29

Tetrahydrofuran

Concen: 210.689 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

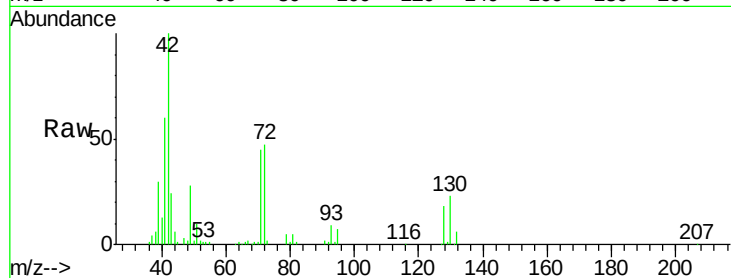
Tgt Ion: 42 Resp: 202851

Ion Ratio Lower Upper

42 100

72 45.8 35.0 52.4

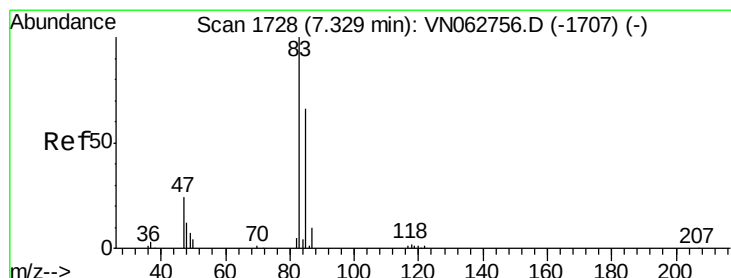
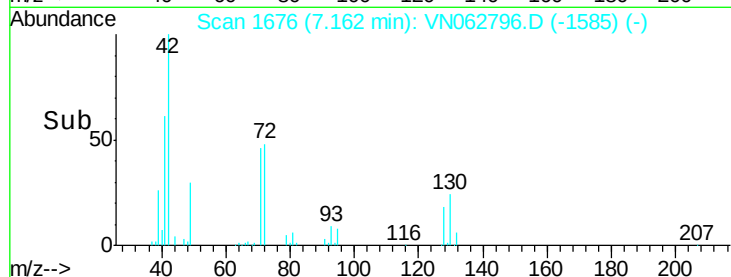
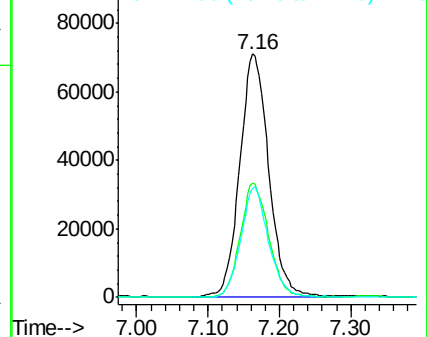
71 43.0 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 44.460 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062796.D

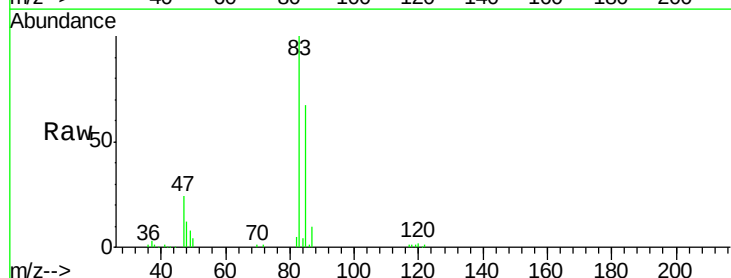
Acq: 10 Aug 2020 9:19

Tgt Ion: 83 Resp: 180717

Ion Ratio Lower Upper

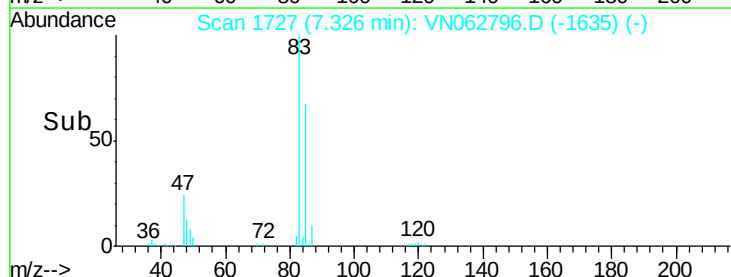
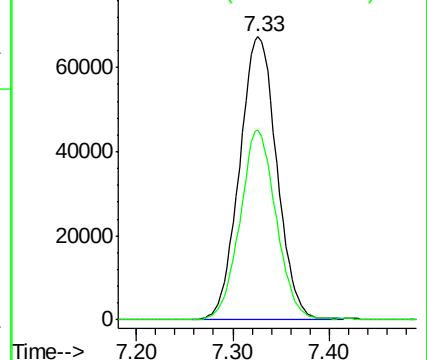
83 100

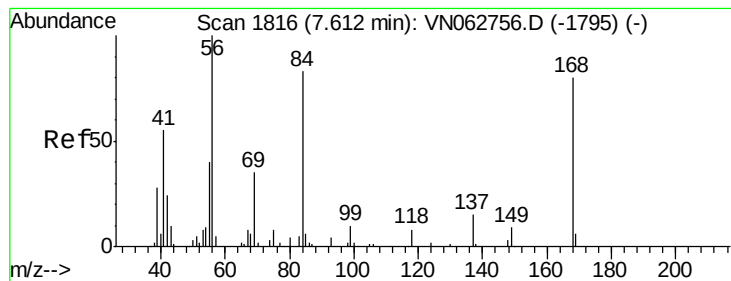
85 67.0 52.7 79.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 43.277 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

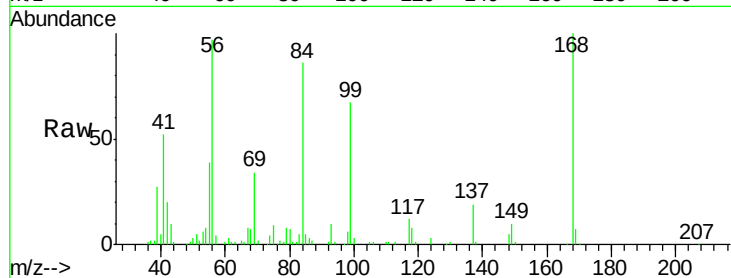
Tgt Ion: 56 Resp: 151943

Ion Ratio Lower Upper

56 100

69 34.3 28.1 42.1

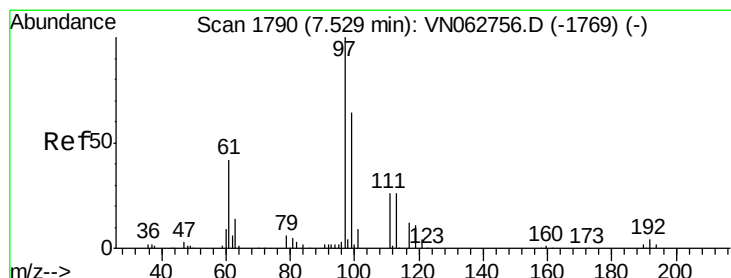
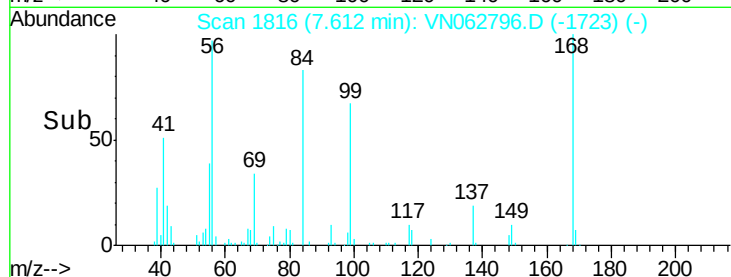
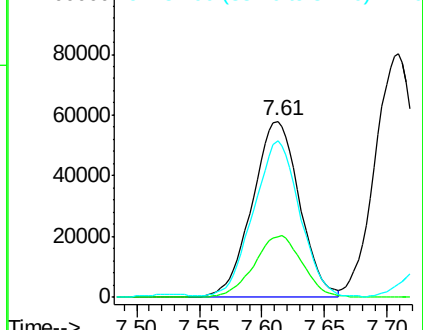
84 87.7 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 44.995 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

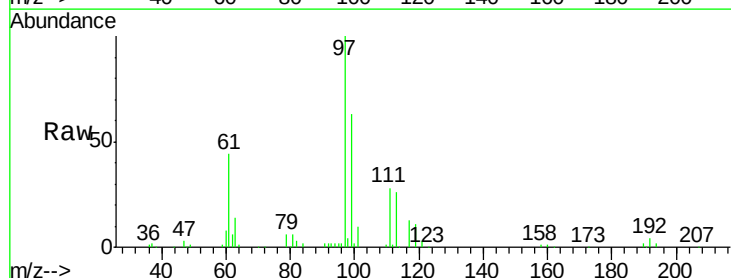
Tgt Ion: 97 Resp: 163519

Ion Ratio Lower Upper

97 100

99 64.4 50.0 75.0

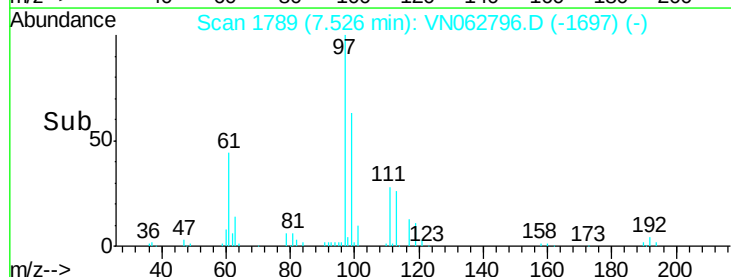
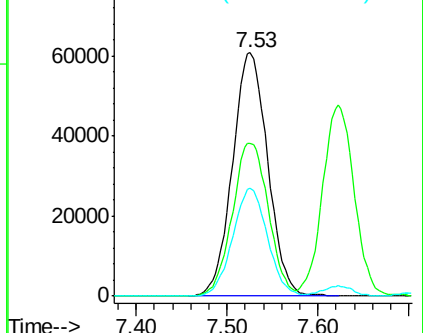
61 43.7 34.8 52.2

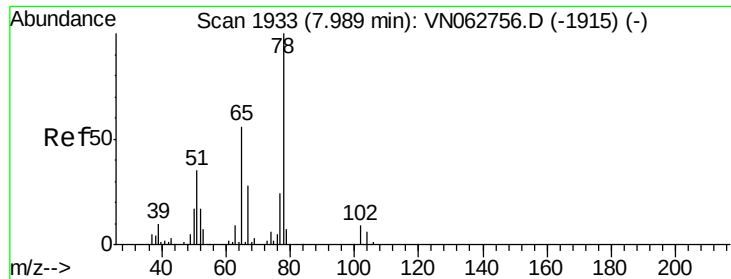


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

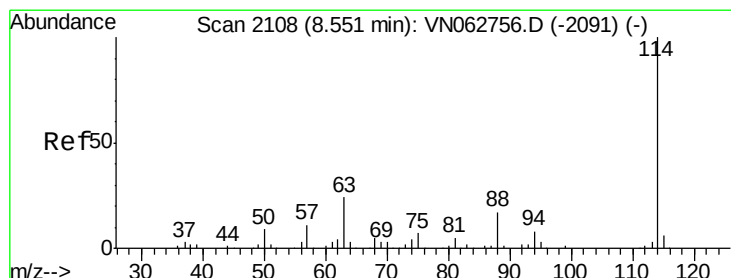
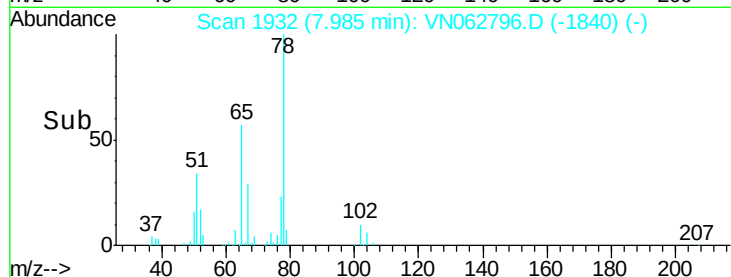
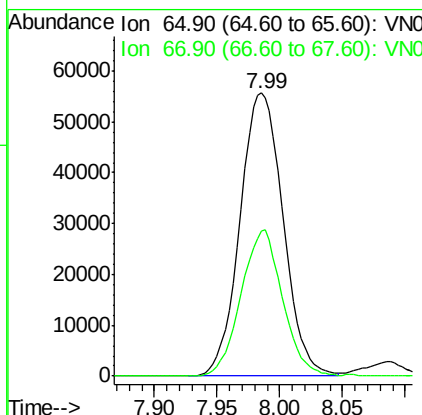
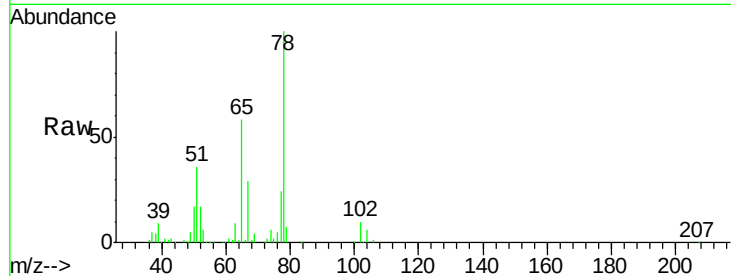




#33
 1,2-Dichloroethane-d4
 Concen: 46.047 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

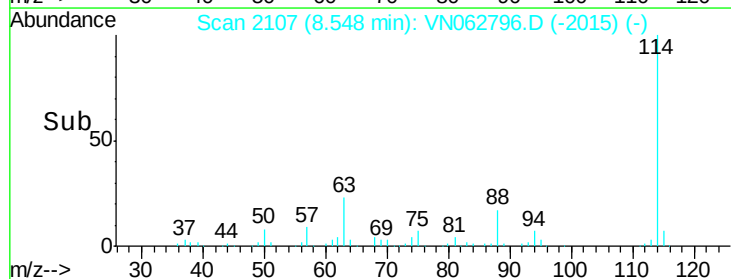
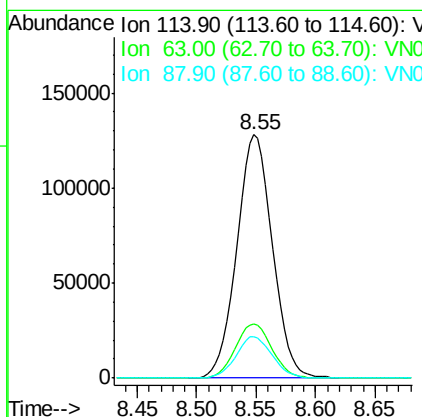
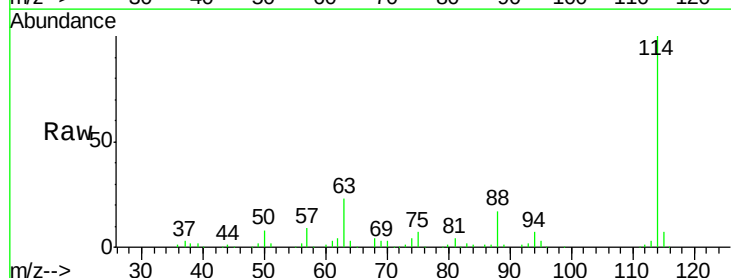
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

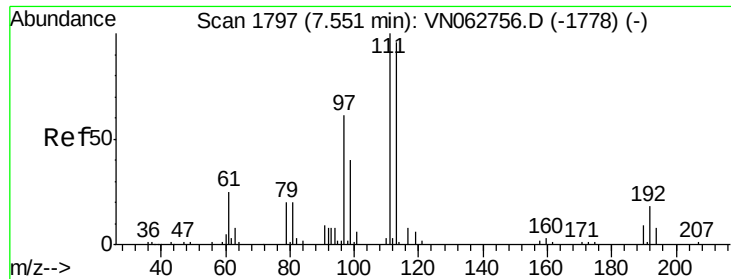
Tgt Ion: 65 Resp: 133345
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 114 Resp: 265389
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.6
 88 17.0 0.0 34.4

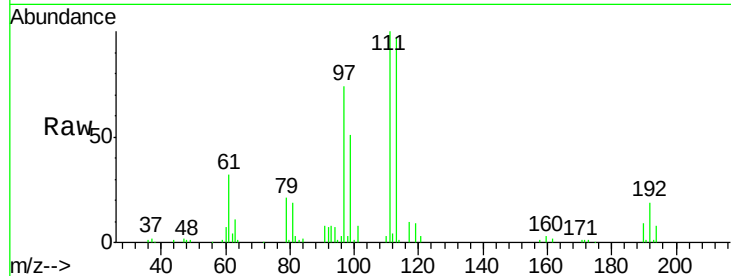




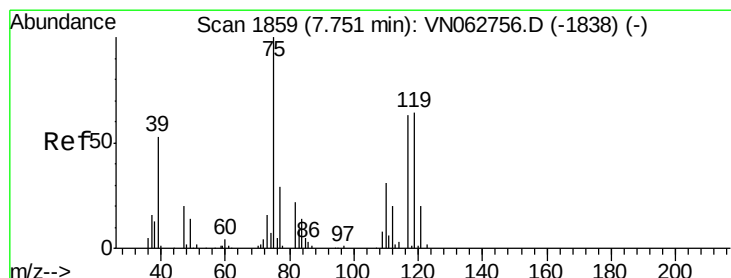
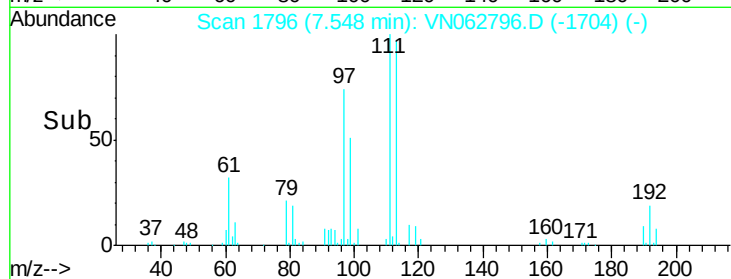
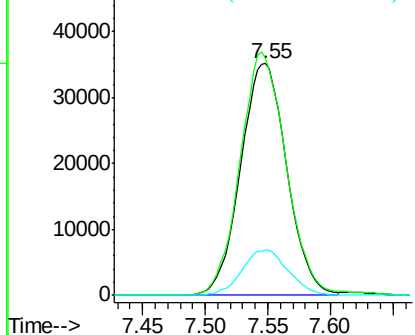
#35
 Dibromofluoromethane
 Concen: 49.699 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 90224
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.8 122.6
 192 19.5 15.0 22.4

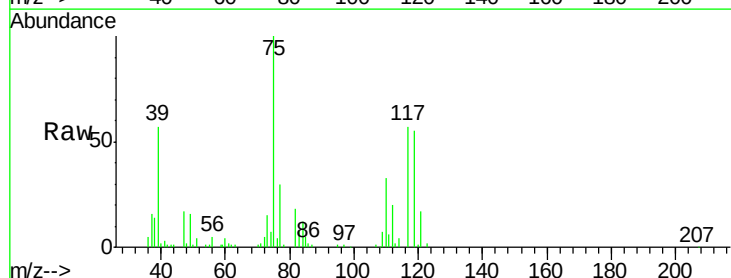


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

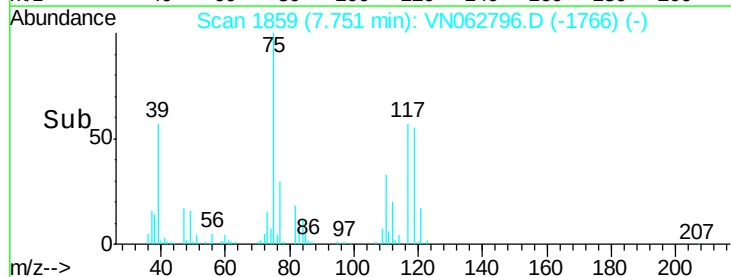
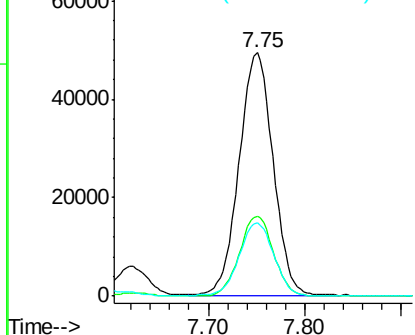


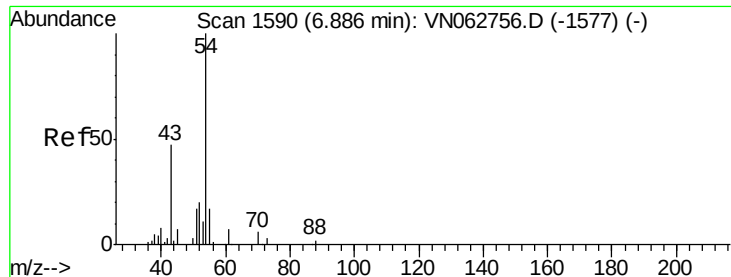
#36
 1,1-Dichloropropene
 Concen: 46.636 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 75 Resp: 120513
 Ion Ratio Lower Upper
 75 100
 110 32.9 15.6 46.7
 77 30.9 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

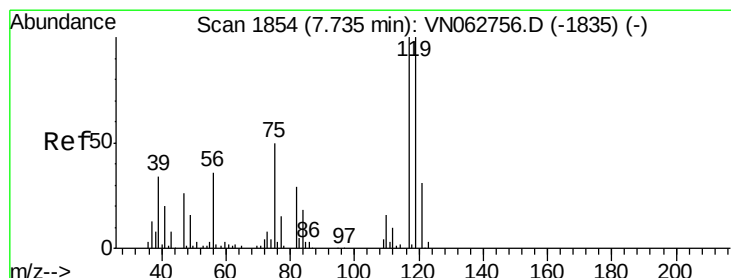
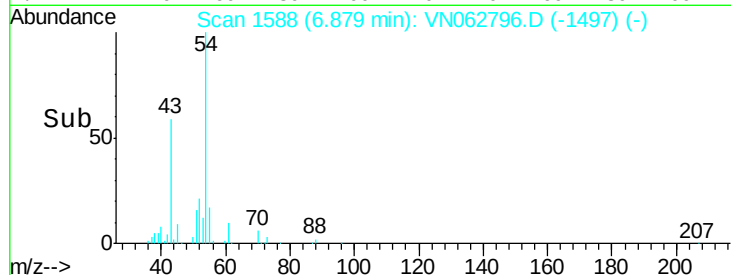
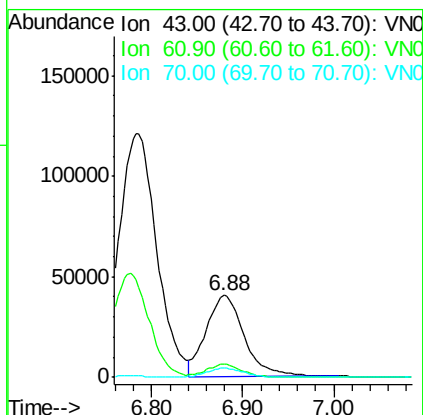
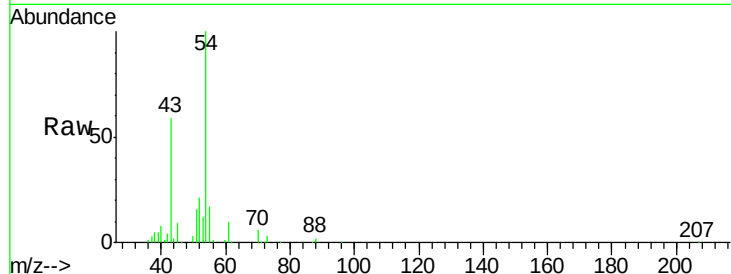




#37
 Ethyl Acetate
 Concen: 43.802 ug/l
 RT: 6.88 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

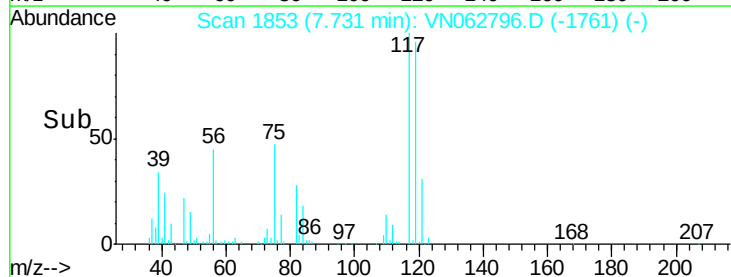
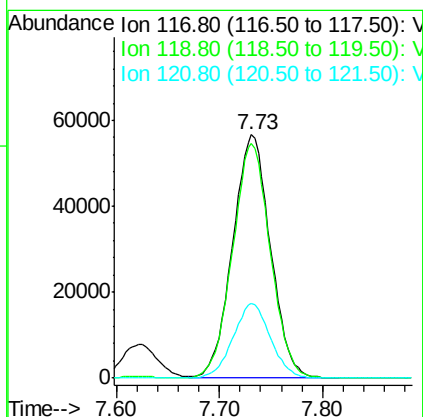
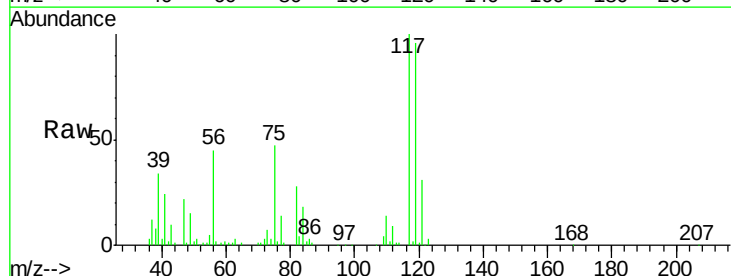
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

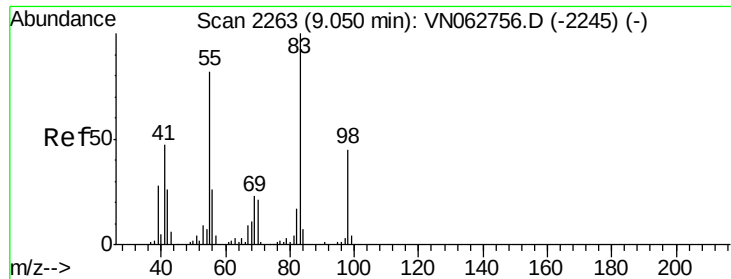
Tgt Ion: 43 Resp: 118238
 Ion Ratio Lower Upper
 43 100
 61 14.5 12.1 18.1
 70 10.7 8.3 12.5



#38
 Carbon Tetrachloride
 Concen: 47.217 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 117 Resp: 144307
 Ion Ratio Lower Upper
 117 100
 119 96.3 79.4 119.2
 121 30.6 24.9 37.3

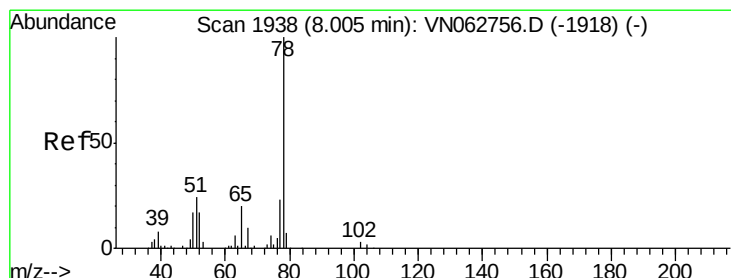
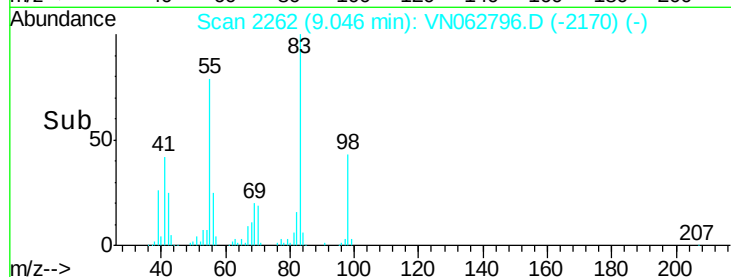
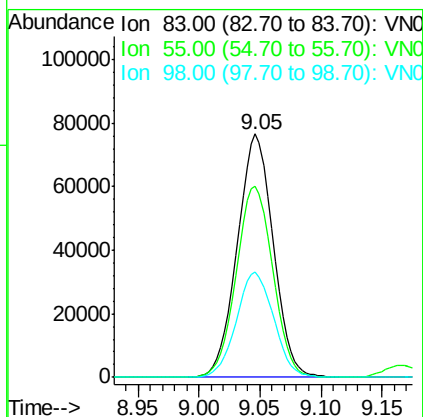
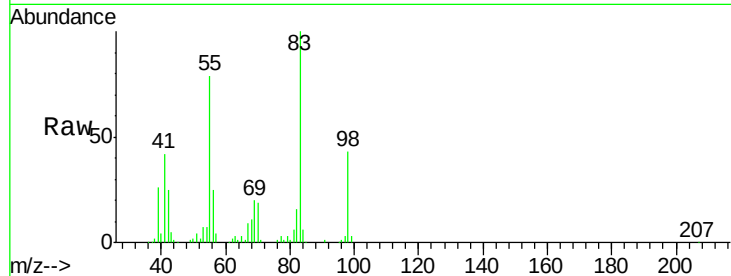




#39
Methylcyclohexane
Concen: 50.137 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

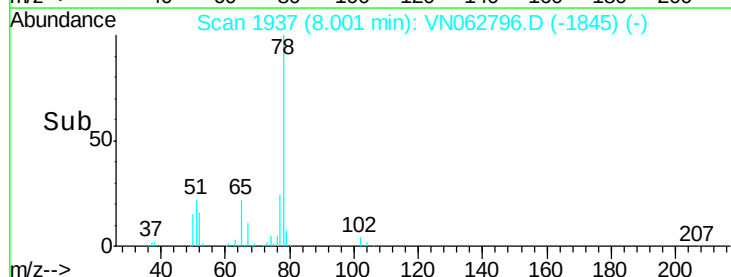
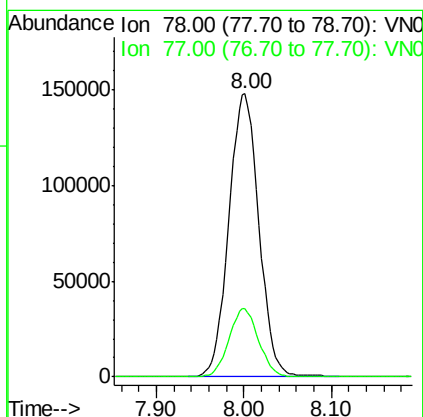
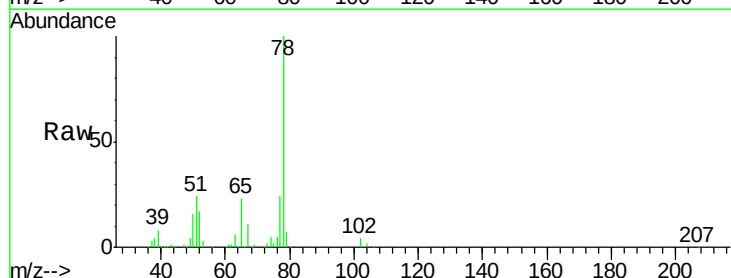
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

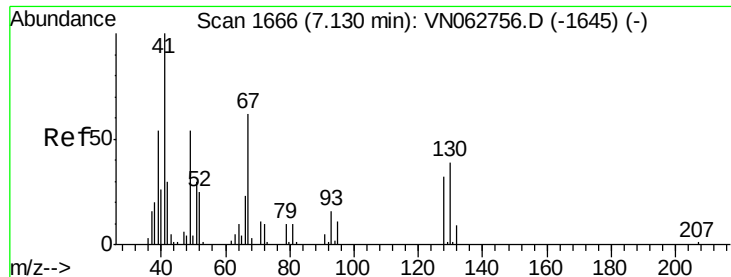
Tgt Ion: 83 Resp: 155917
Ion Ratio Lower Upper
83 100
55 78.6 65.7 98.5
98 43.1 35.6 53.4



#40
Benzene
Concen: 45.698 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion: 78 Resp: 352382
Ion Ratio Lower Upper
78 100
77 24.1 18.1 27.1





#41

Methacrylonitrile

Concen: 154.189 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.03 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 187813

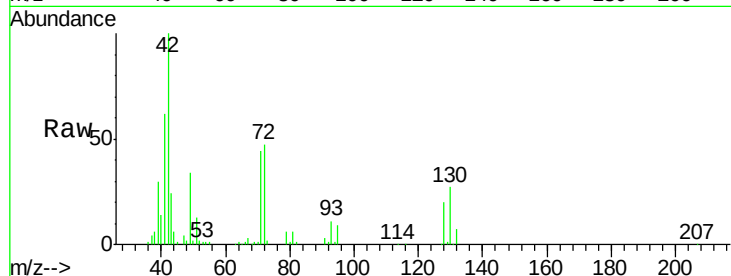
Ion Ratio Lower Upper

41 100

39 50.5 69.4 104.2#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

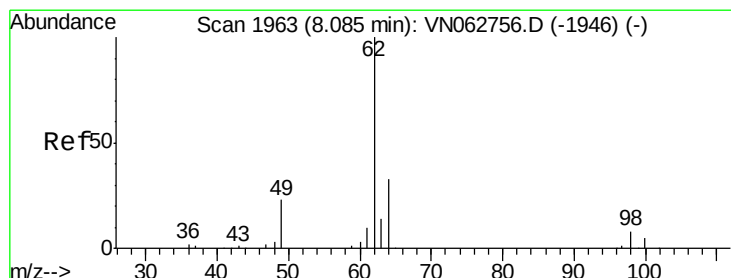
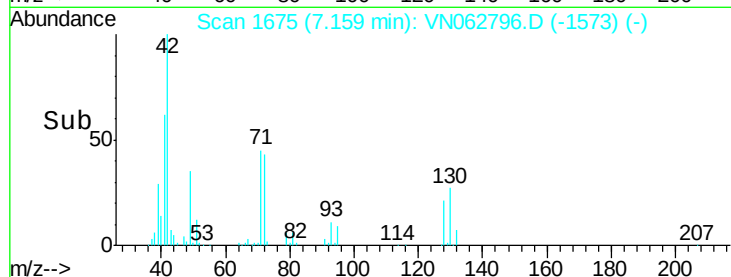
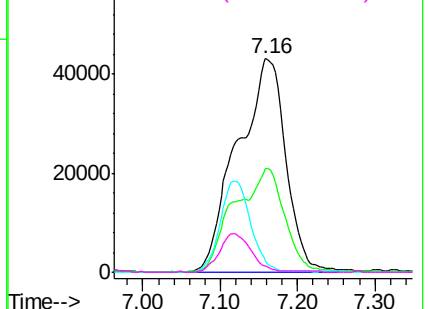


Abundance Ion 41.00 (40.70 to 41.70): VN062796.D (-1673) (-)

Ion 39.00 (38.70 to 39.70): VN062796.D (-1673) (-)

Ion 67.00 (66.70 to 67.70): VN062796.D (-1673) (-)

Ion 52.00 (51.70 to 52.70): VN062796.D (-1673) (-)



#42

1,2-Dichloroethane

Concen: 47.451 ug/l

RT: 8.08 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VN062796.D

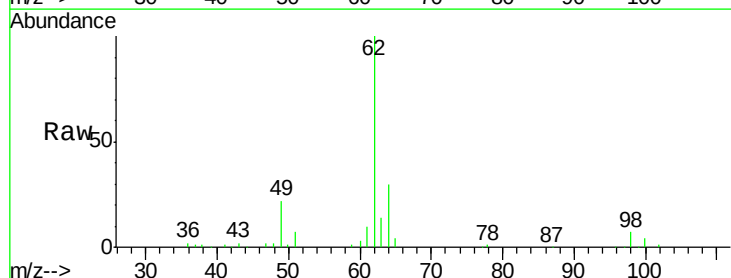
Acq: 10 Aug 2020 9:19

Tgt Ion: 62 Resp: 155734

Ion Ratio Lower Upper

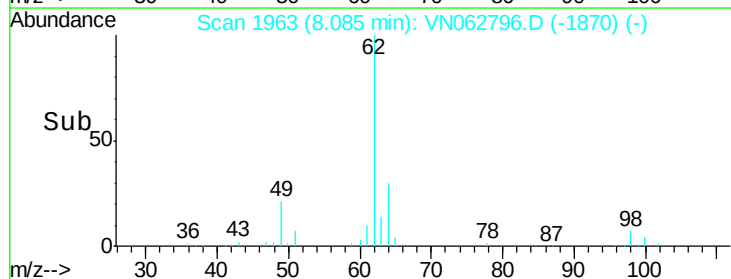
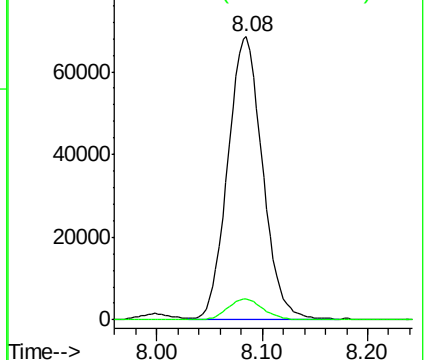
62 100

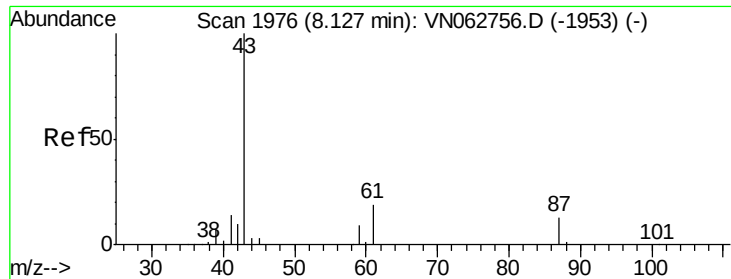
98 7.6 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN062796.D (-1870) (-)

Ion 97.90 (97.60 to 98.60): VN062796.D (-1870) (-)





#43

Isopropyl Acetate

Concen: 43.594 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

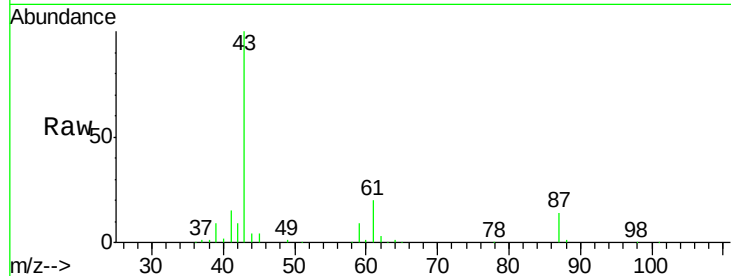
Tgt Ion: 43 Resp: 196281

Ion Ratio Lower Upper

43 100

61 20.7 15.8 23.6

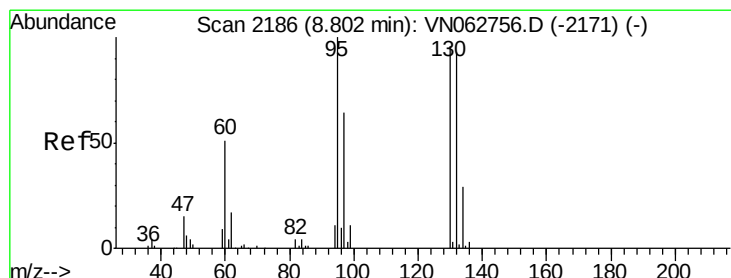
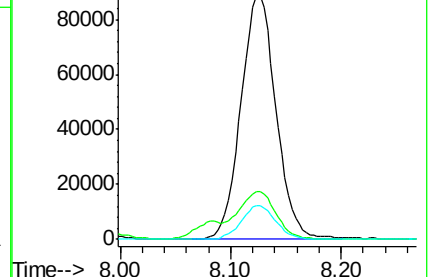
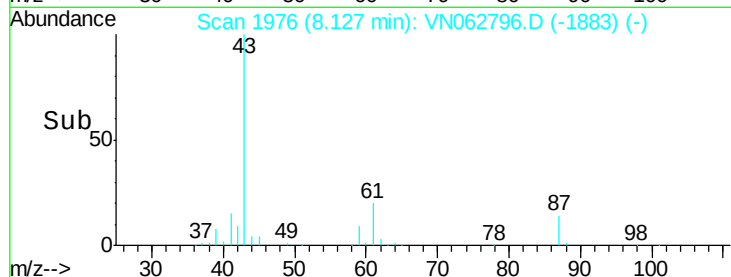
87 13.4 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062796.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062796.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062796.D (-1883) (-)



#44

Trichloroethene

Concen: 46.643 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062796.D

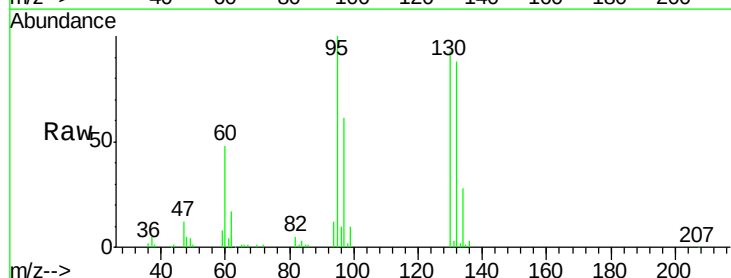
Acq: 10 Aug 2020 9:19

Tgt Ion: 130 Resp: 87628

Ion Ratio Lower Upper

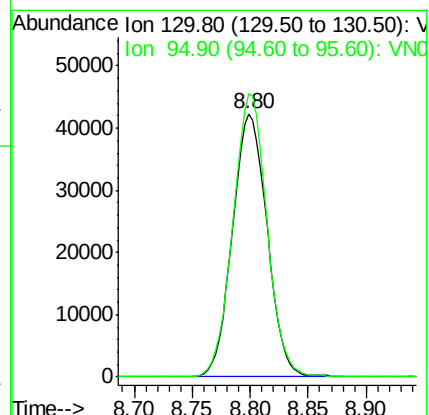
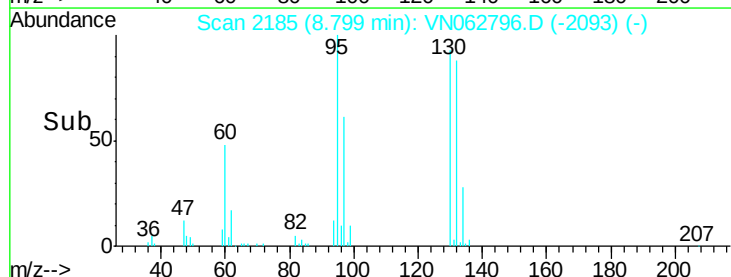
130 100

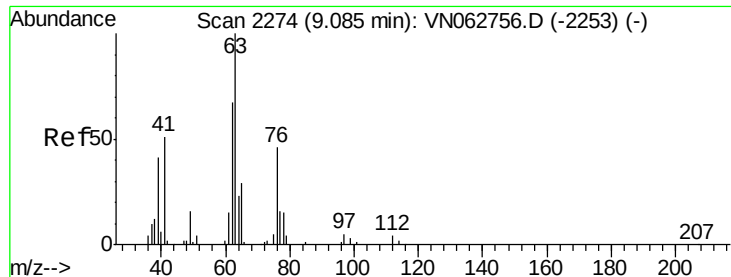
95 107.6 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062796.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062796.D (-2093) (-)

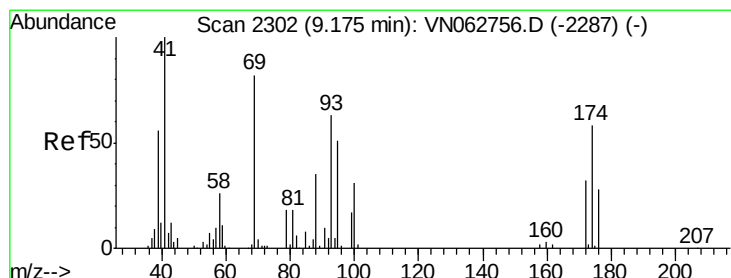
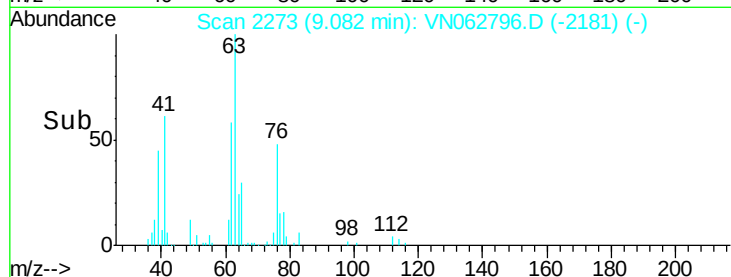
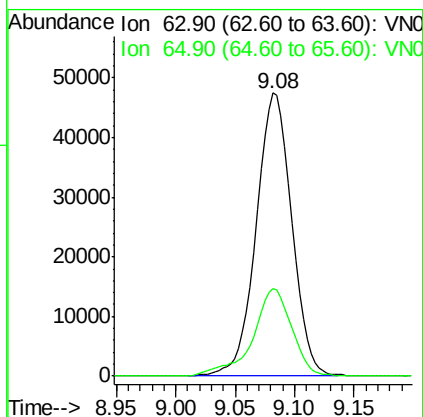
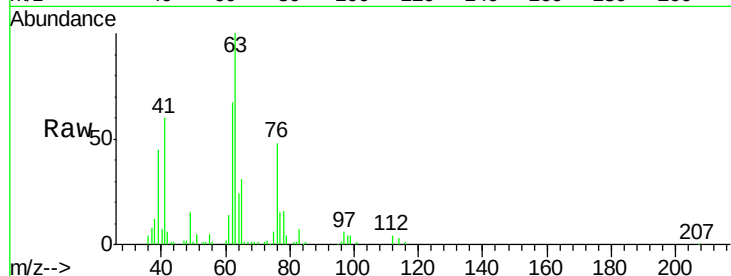




#45
 1,2-Dichloropropane
 Concen: 47.268 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

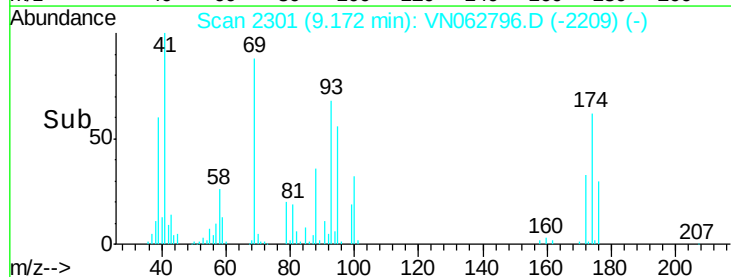
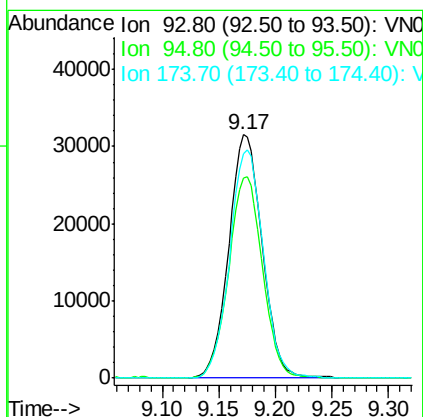
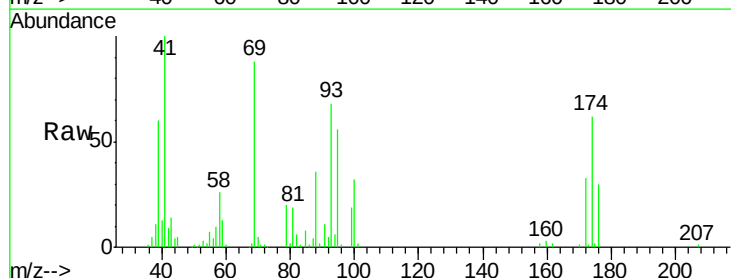
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

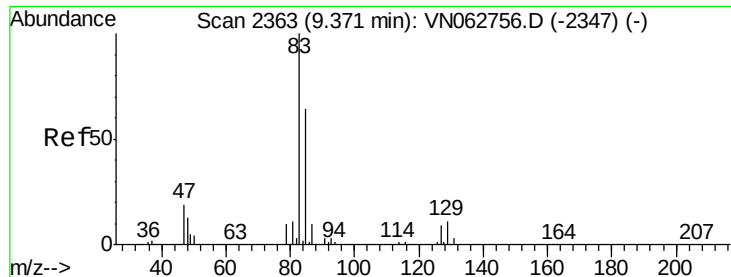
Tgt Ion: 63 Resp: 98649
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.5 35.3



#46
 Dibromomethane
 Concen: 47.443 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 93 Resp: 64876
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.1 97.7
 174 94.3 73.9 110.9





#47

Bromodichloromethane

Concen: 49.196 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

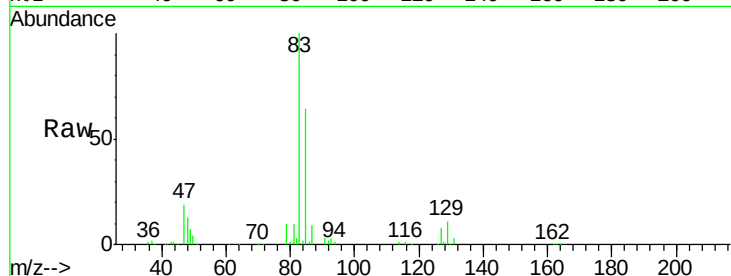
Tgt Ion: 83 Resp: 151090

Ion Ratio Lower Upper

83 100

85 64.4 51.4 77.0

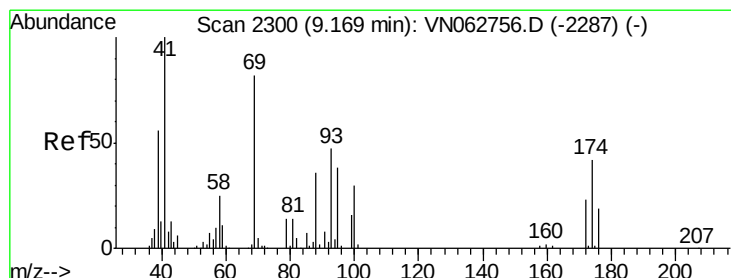
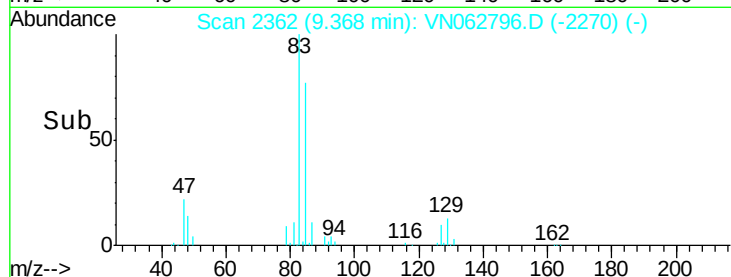
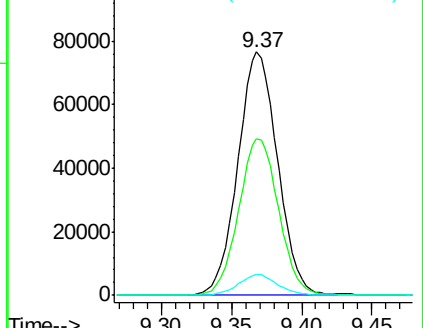
127 8.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062796.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062796.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062796.D (-2270) (-)



#48

Methyl methacrylate

Concen: 44.451 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

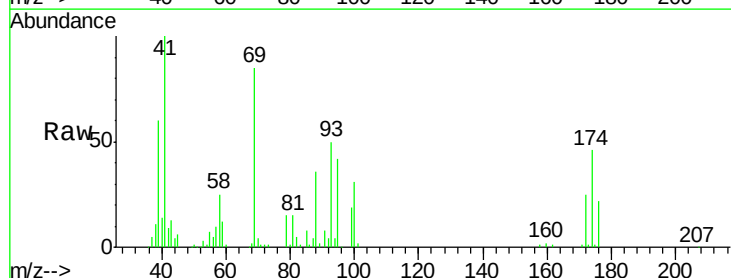
Tgt Ion: 41 Resp: 98441

Ion Ratio Lower Upper

41 100

69 87.9 67.4 101.2

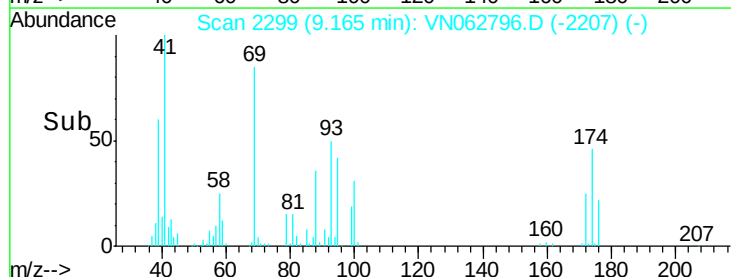
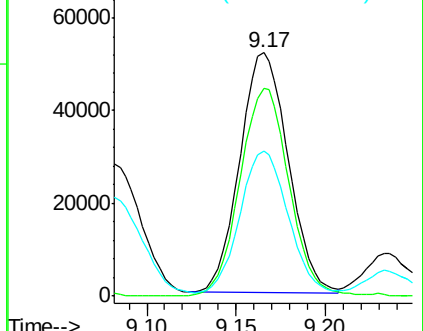
39 61.6 47.6 71.4

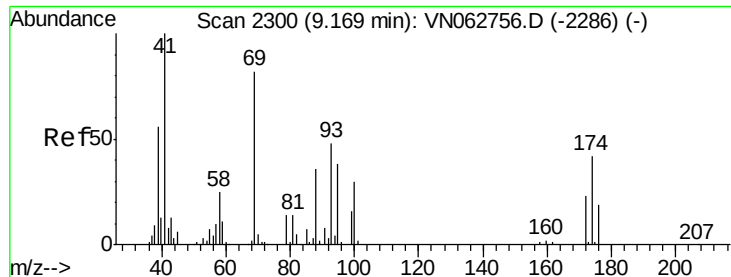


Abundance Ion 41.00 (40.70 to 41.70): VN062796.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062796.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062796.D (-2207) (-)





#49

1,4-Dioxane

Concen: 939.582 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

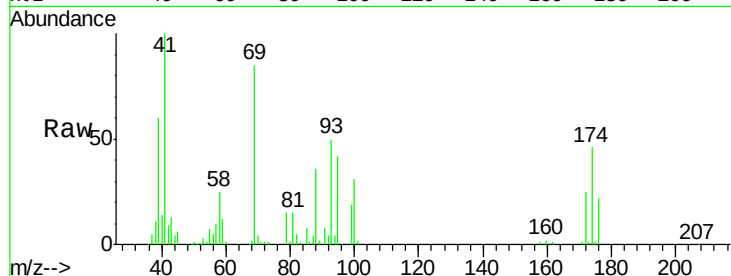
Tgt Ion: 88 Resp: 38556

Ion Ratio Lower Upper

88 100

43 36.7 29.5 44.3

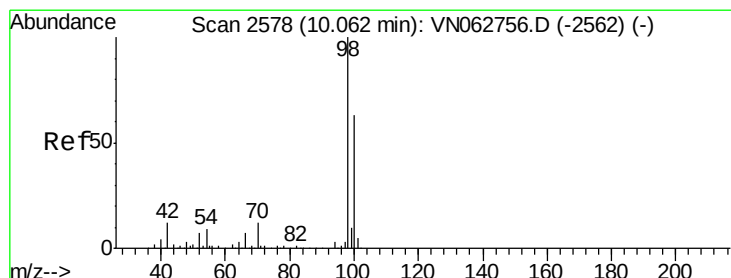
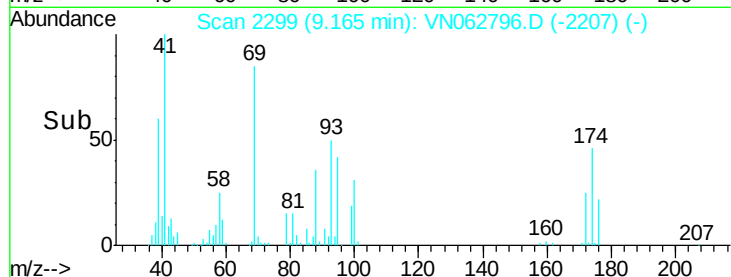
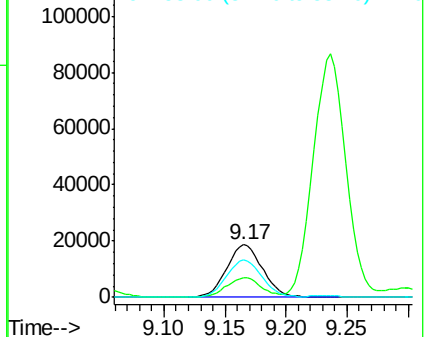
58 70.5 59.8 89.8



Abundance Ion 88.00 (87.70 to 88.70): VN062796.D (-2299) (-)

Ion 43.00 (42.70 to 43.70): VN062796.D (-2299) (-)

Ion 58.00 (57.70 to 58.70): VN062796.D (-2299) (-)



#50

Toluene-d8

Concen: 49.527 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062796.D

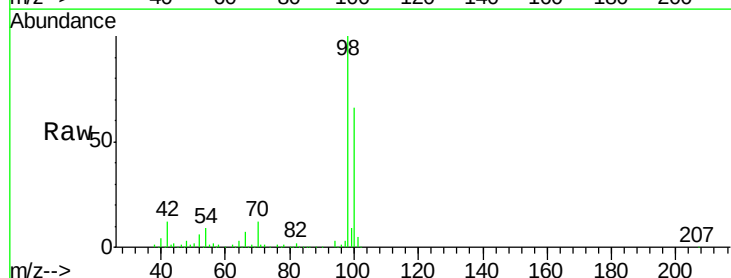
Acq: 10 Aug 2020 9:19

Tgt Ion: 98 Resp: 351020

Ion Ratio Lower Upper

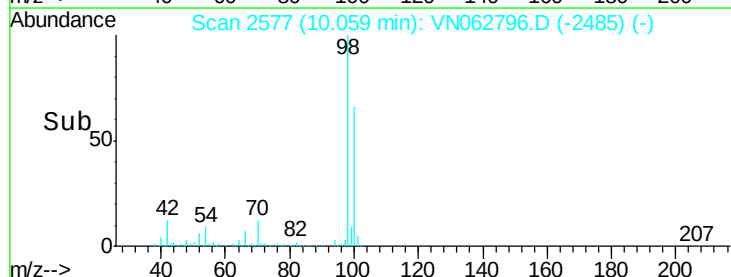
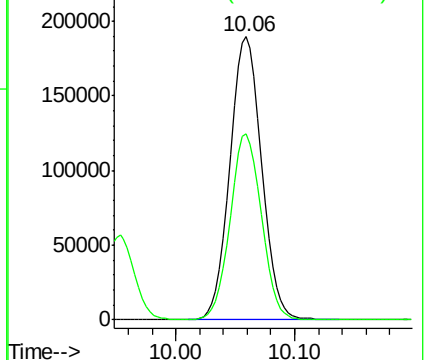
98 100

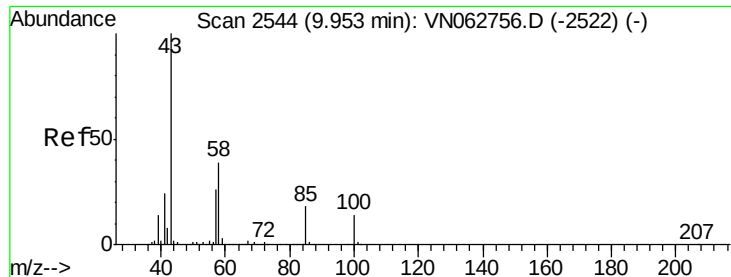
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062796.D (-2577) (-)

Ion 100.00 (99.70 to 100.70): VN062796.D (-2577) (-)





#51

4-Methyl-2-Pentanone

Concen: 226.524 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

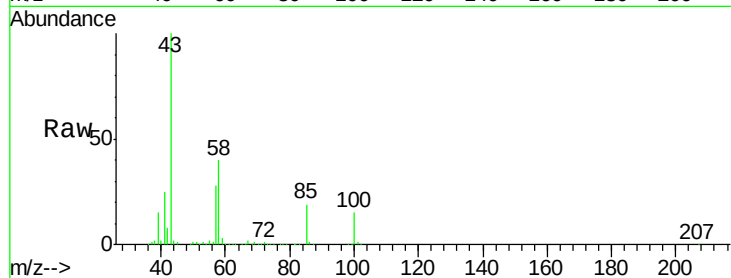
VSTDCCC050

Tgt Ion: 43 Resp: 659901

Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)

9.95

400000

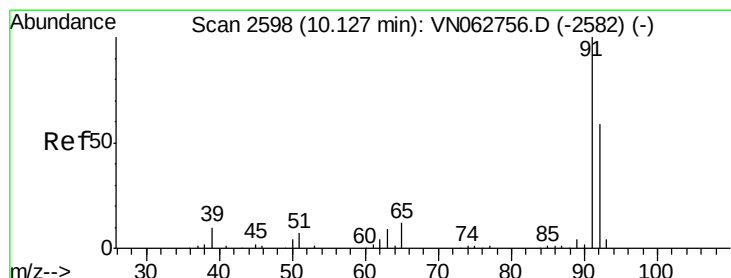
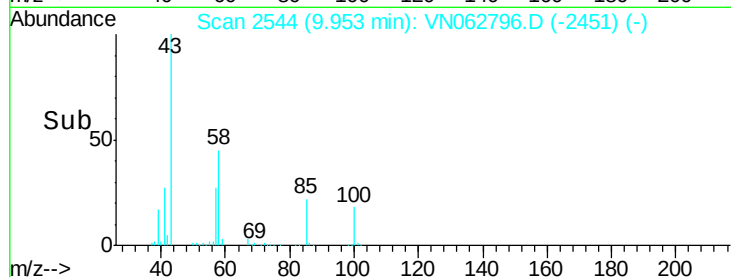
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.034 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062796.D

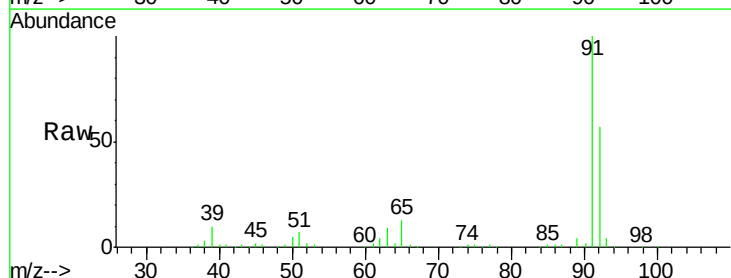
Acq: 10 Aug 2020 9:19

Tgt Ion: 92 Resp: 228692

Ion Ratio Lower Upper

92 100

91 174.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN062756.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062756.D (-2582) (-)

10.12

250000

200000

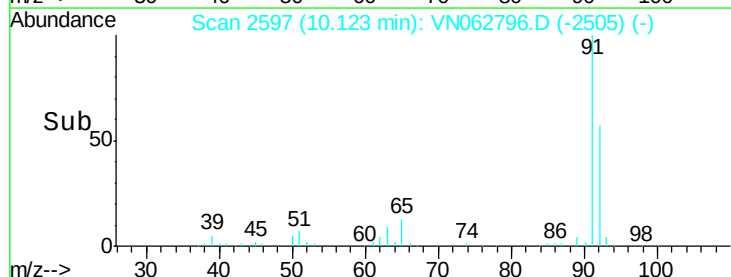
150000

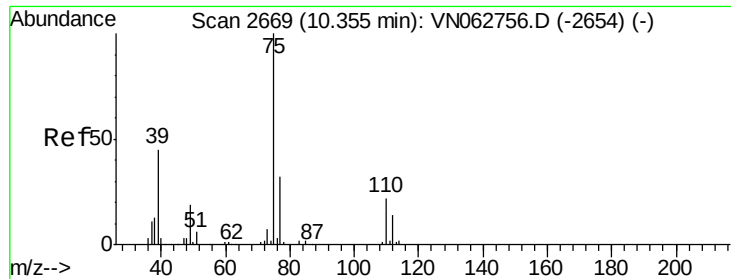
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.261 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

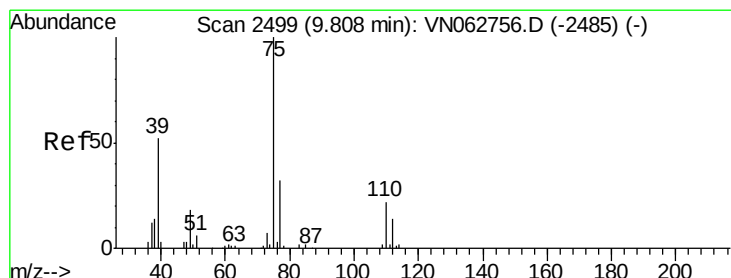
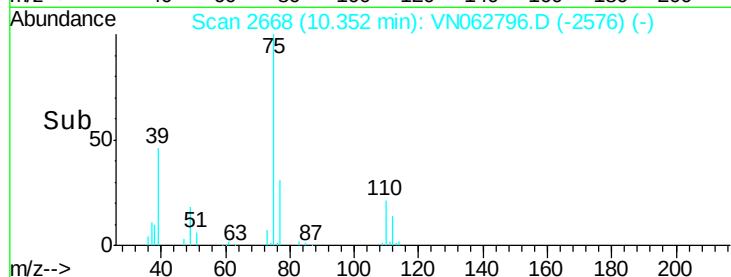
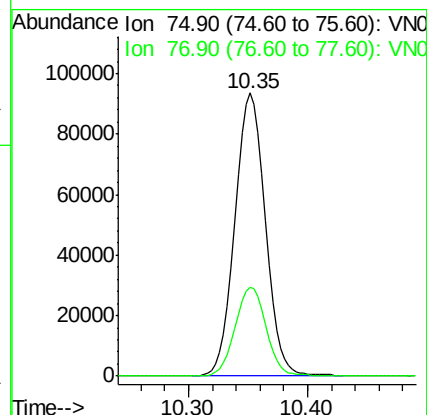
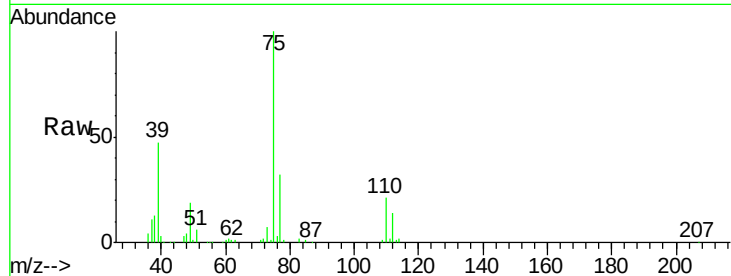
VSTDCCC050

Tgt Ion: 75 Resp: 166416

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 49.086 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

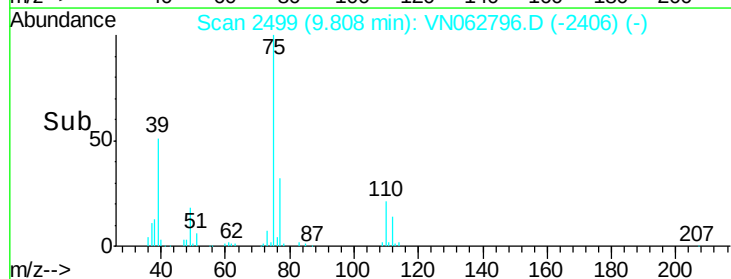
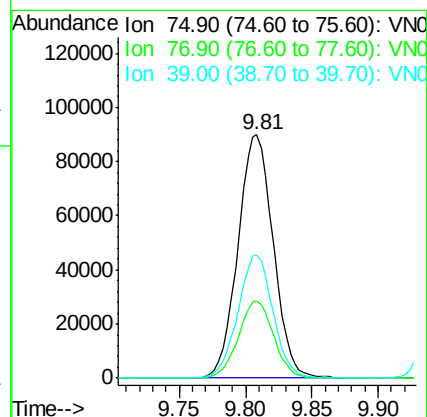
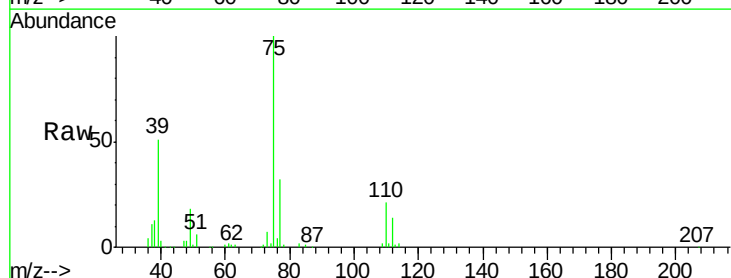
Tgt Ion: 75 Resp: 166489

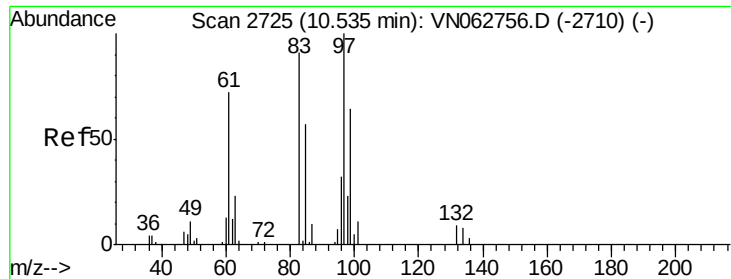
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 50.9 41.9 62.9

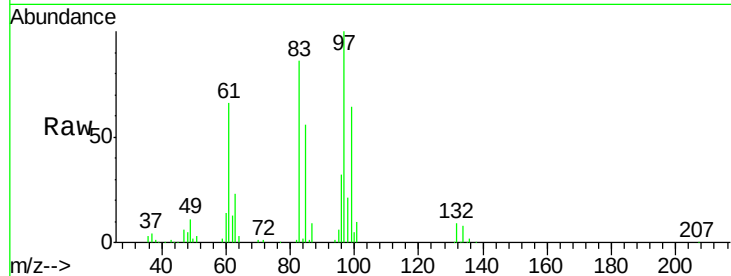




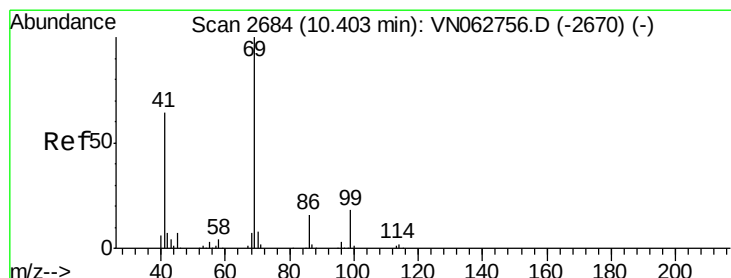
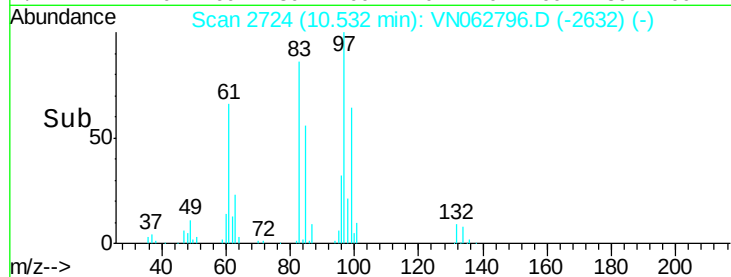
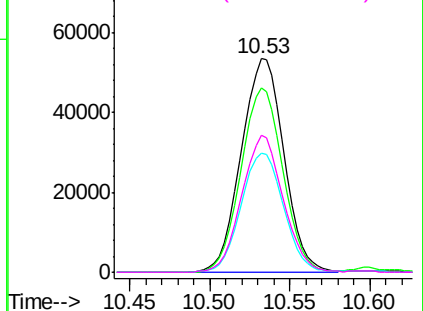
#55
 1,1,2-Trichloroethane
 Concen: 47.830 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	97257
Ion	Ratio	Lower	Upper
97	100		
83	86.4	72.6	108.8
85	55.8	46.0	69.0
99	64.1	51.1	76.7

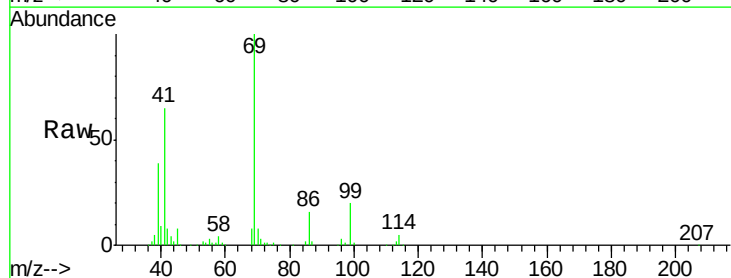


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

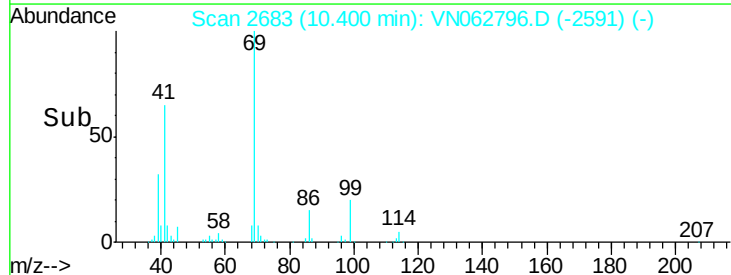
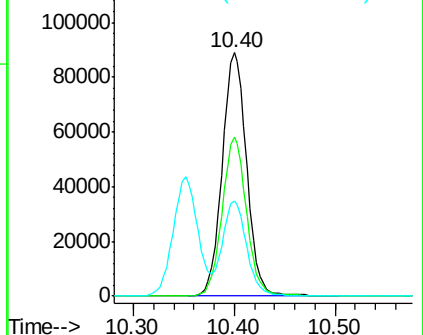


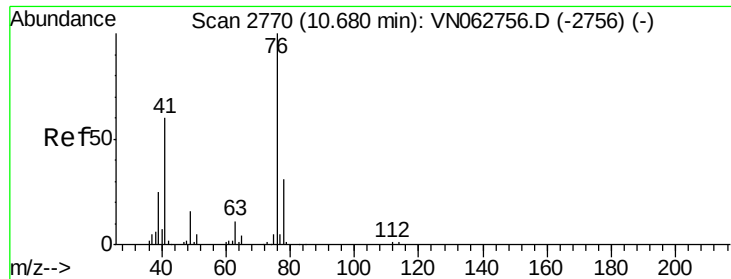
#56
 Ethyl methacrylate
 Concen: 49.155 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion:	69	Resp:	150446
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.2	78.2
39	38.1	30.9	46.3



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.755 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampled :

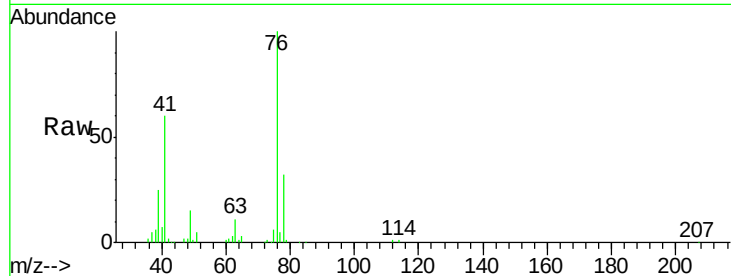
VSTDCCC050

Tgt Ion: 76 Resp: 164994

Ion Ratio Lower Upper

76 100

78 32.7 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

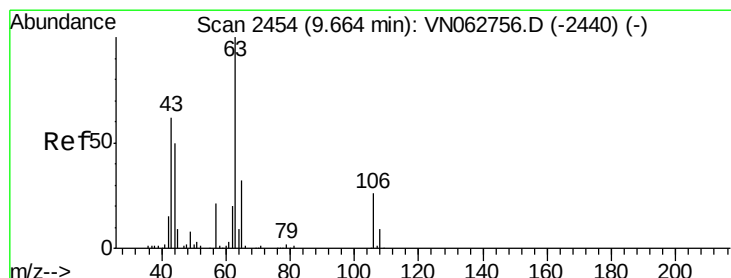
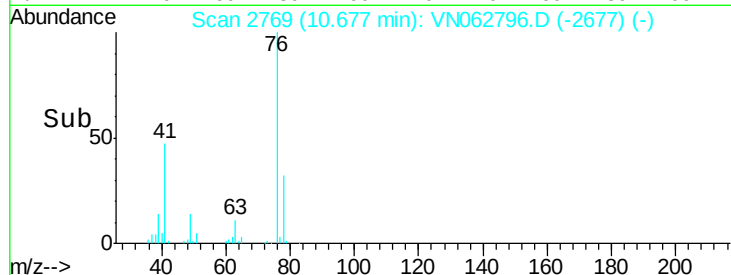
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 190.452 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062796.D

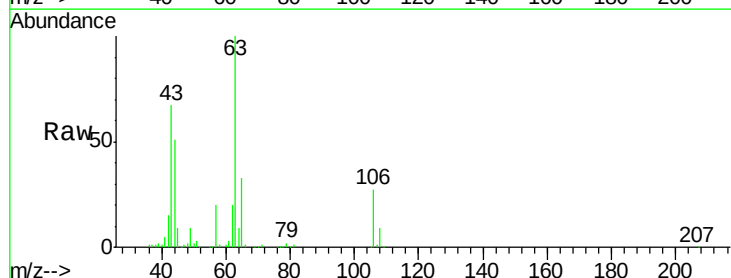
Acq: 10 Aug 2020 9:19

Tgt Ion: 63 Resp: 164767

Ion Ratio Lower Upper

63 100

106 27.4 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

80000

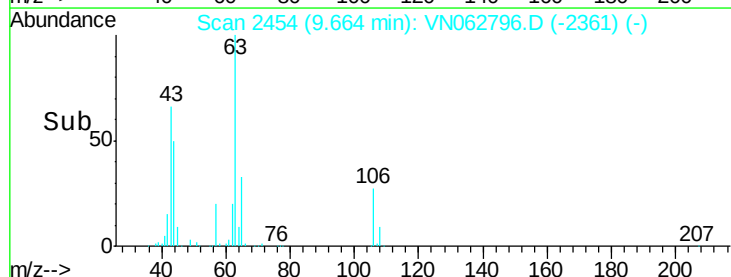
60000

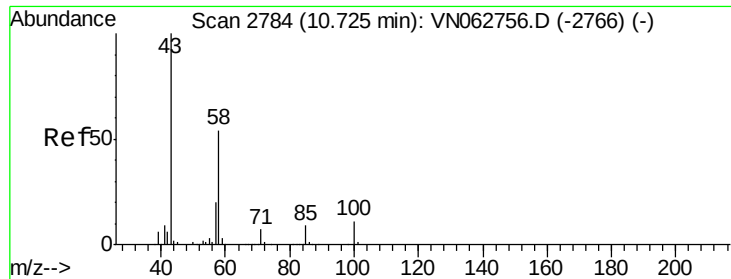
40000

20000

0

Time-->

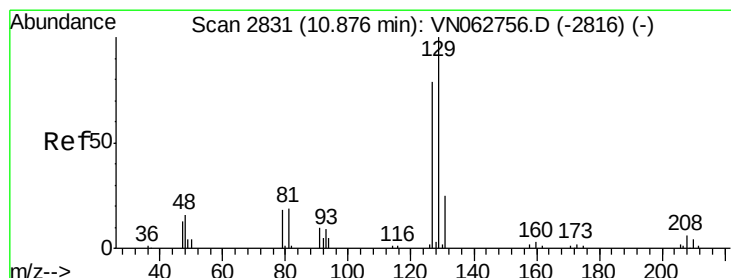
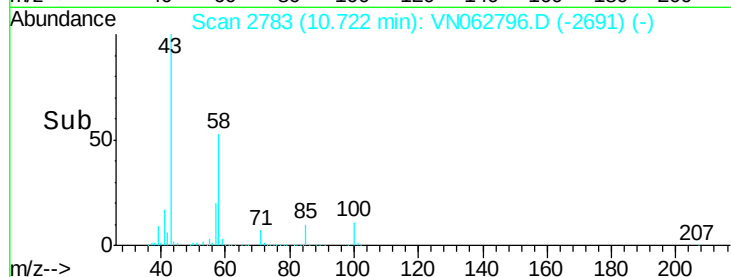
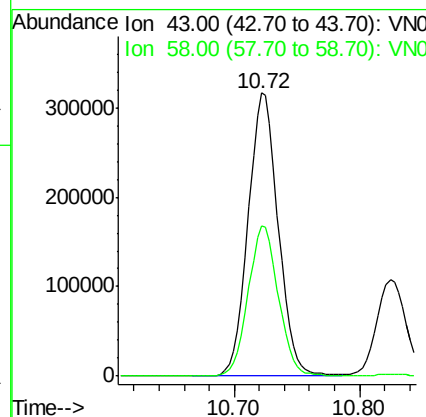
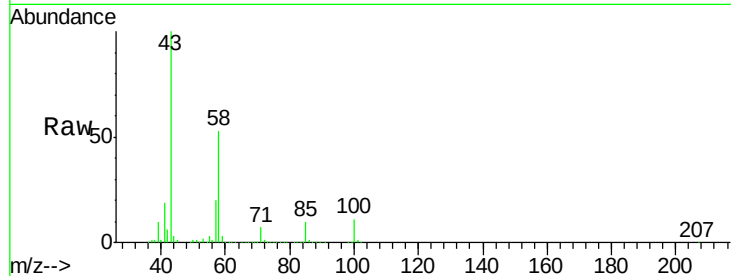




#59
2-Hexanone
Concen: 242.510 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

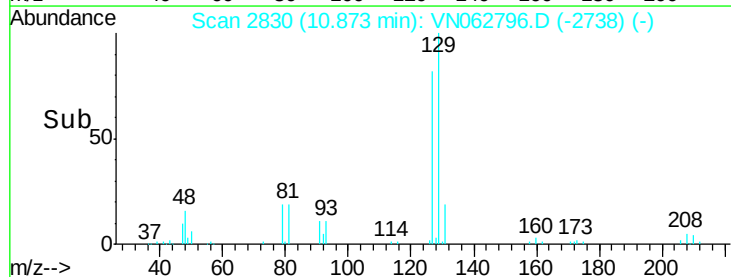
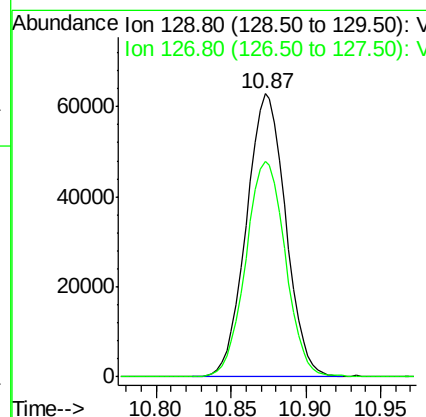
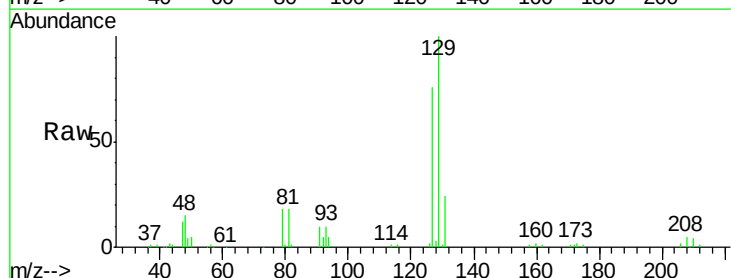
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

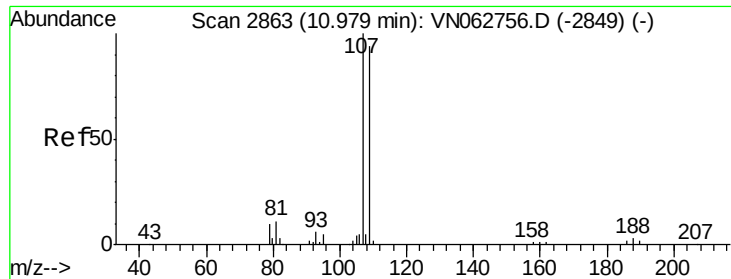
Tgt Ion: 43 Resp: 526985
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1



#60
Dibromochloromethane
Concen: 49.661 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion: 129 Resp: 115237
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2

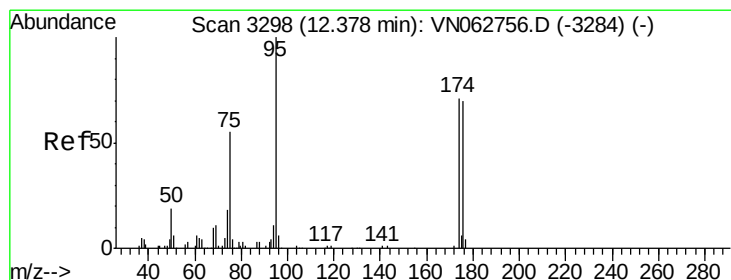
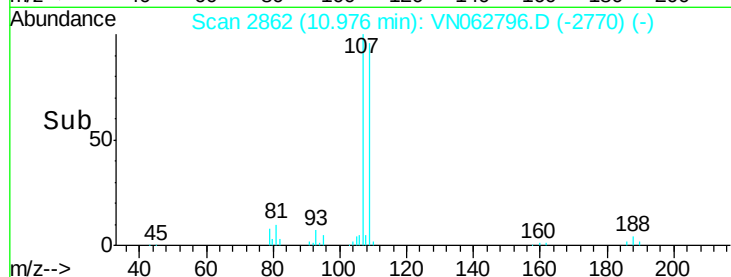
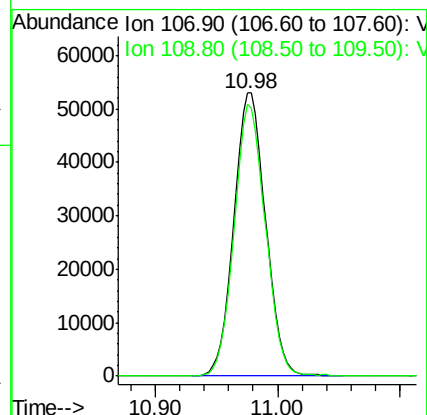
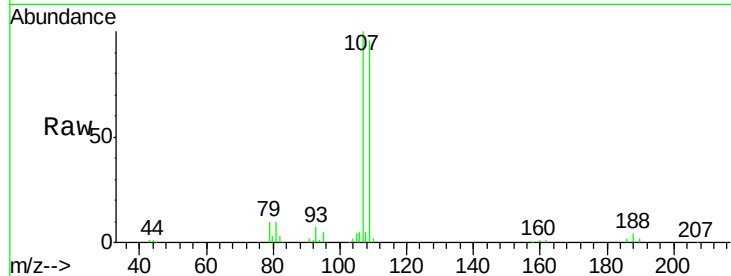




#61
 1,2-Dibromoethane
 Concen: 47.786 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

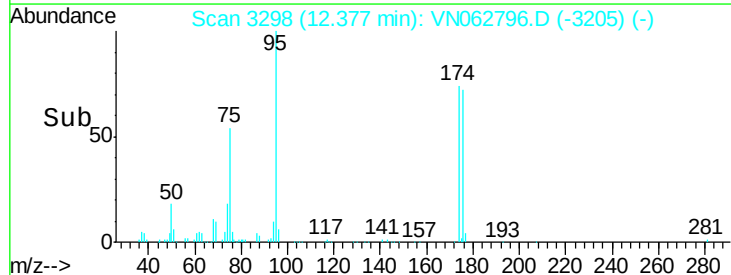
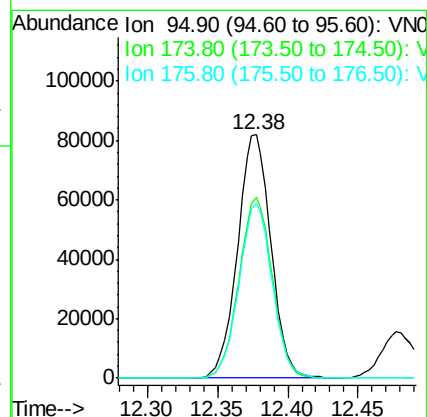
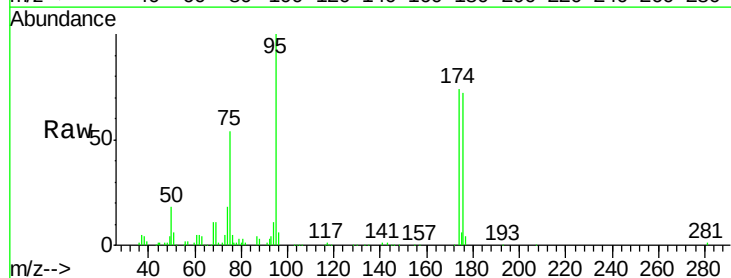
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

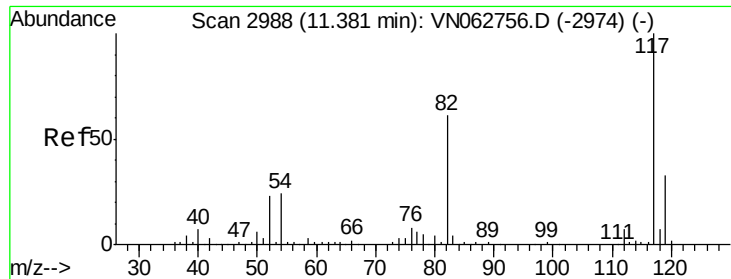
Tgt Ion: 107 Resp: 95881
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 50.736 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 95 Resp: 135889
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 144.8
 176 71.6 0.0 142.2

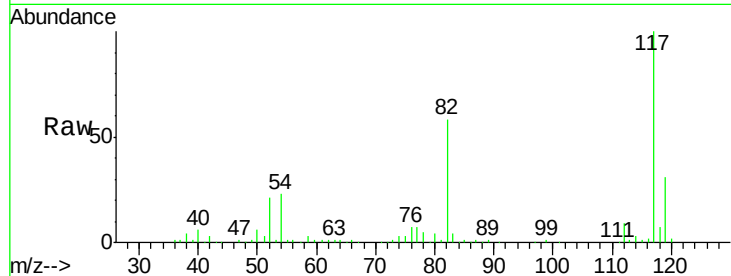




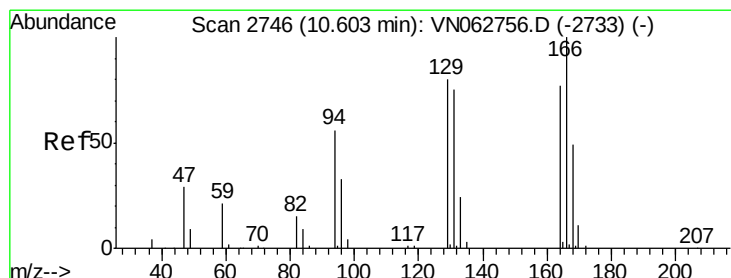
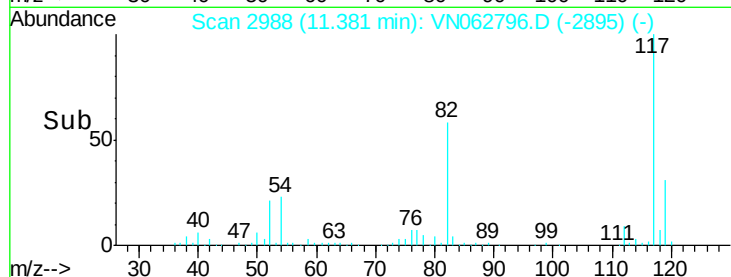
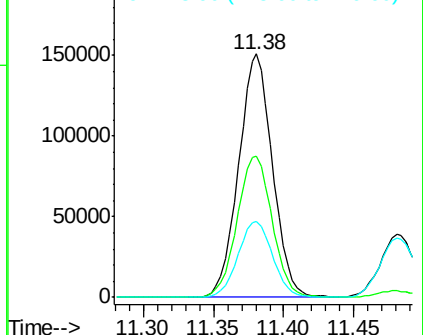
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 253743
Ion Ratio Lower Upper
117 100
82 57.7 49.0 73.4
119 31.4 26.2 39.2

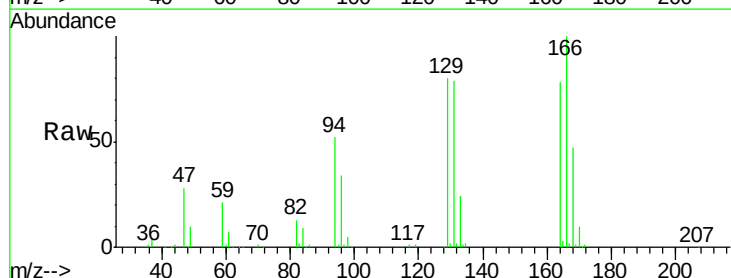


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

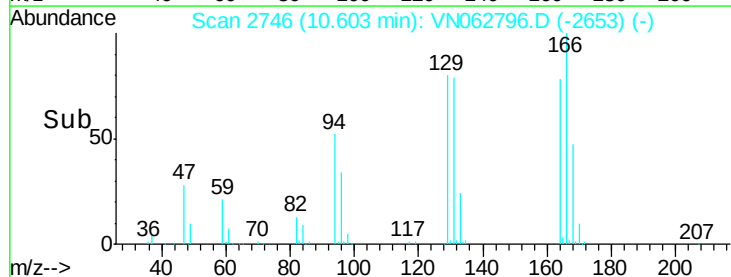
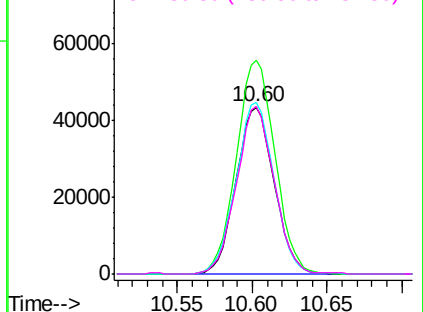


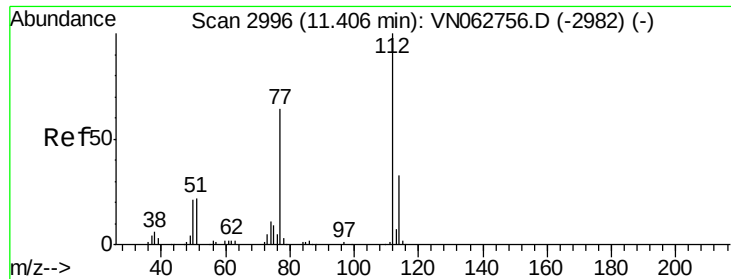
#64
Tetrachloroethene
Concen: 46.964 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion:164 Resp: 76888
Ion Ratio Lower Upper
164 100
166 128.4 103.8 155.8
129 103.2 82.7 124.1
131 100.8 78.2 117.2



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

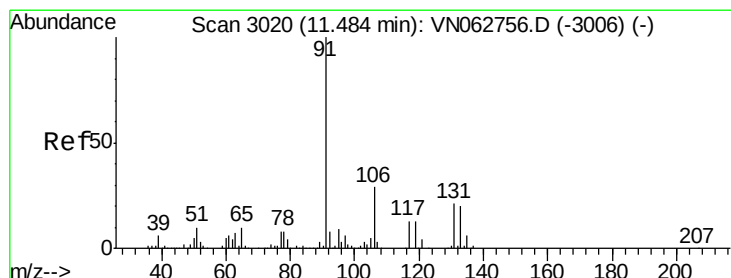
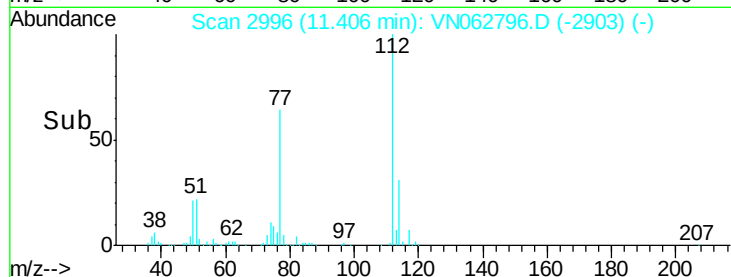
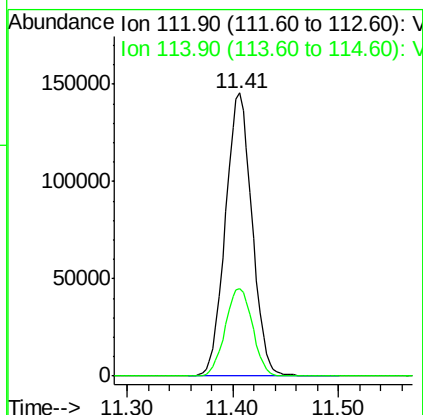
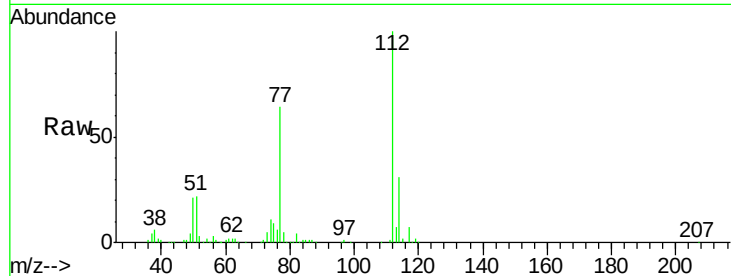




#65
Chlorobenzene
Concen: 47.849 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

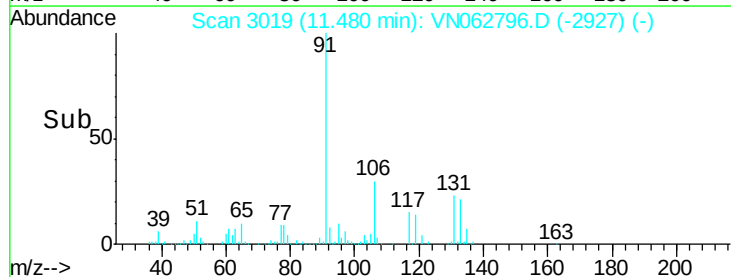
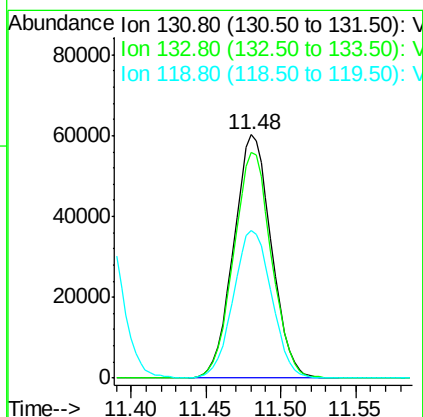
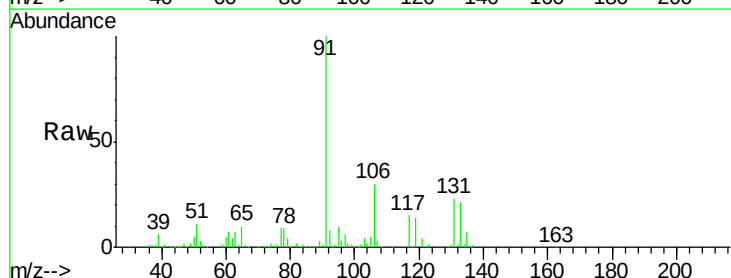
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

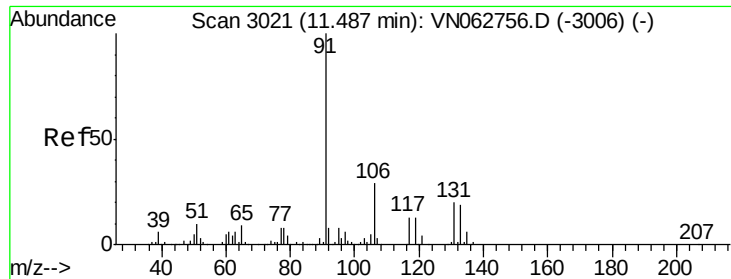
Tgt Ion:112 Resp: 253799
Ion Ratio Lower Upper
112 100
114 30.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.508 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion:131 Resp: 105453
Ion Ratio Lower Upper
131 100
133 93.2 48.6 145.8
119 61.8 32.2 96.6





#67

Ethyl Benzene

Concen: 49.281 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

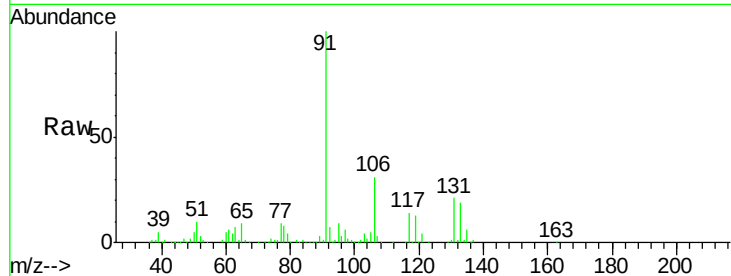
VSTDCCC050

Tgt Ion: 91 Resp: 467766

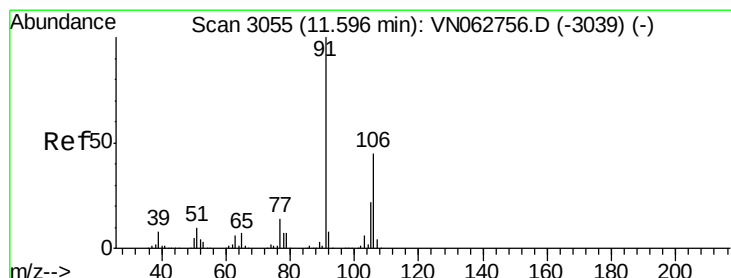
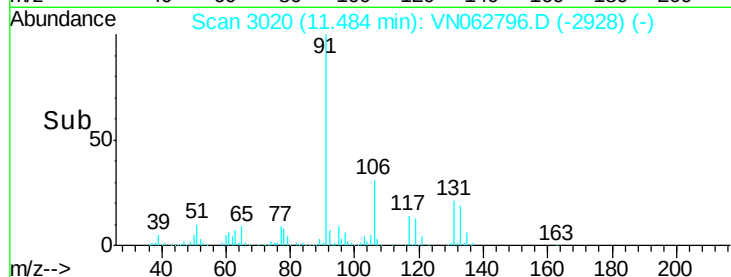
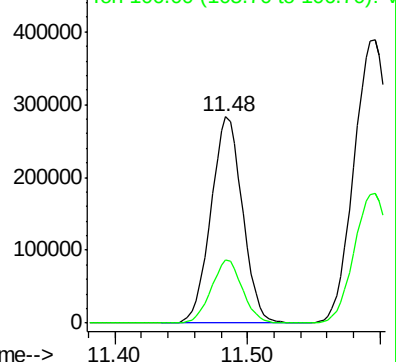
Ion Ratio Lower Upper

91 100

106 30.7 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3006) (-)



#68

m/p-Xylenes

Concen: 101.045 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062796.D

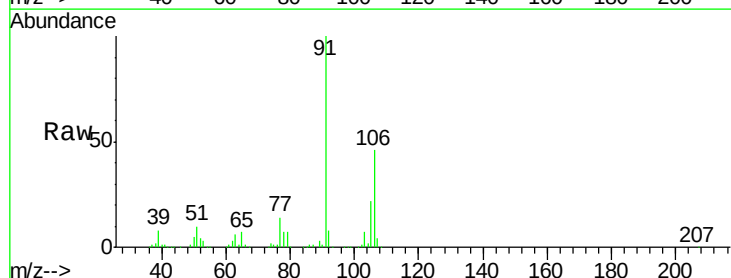
Acq: 10 Aug 2020 9:19

Tgt Ion: 106 Resp: 348153

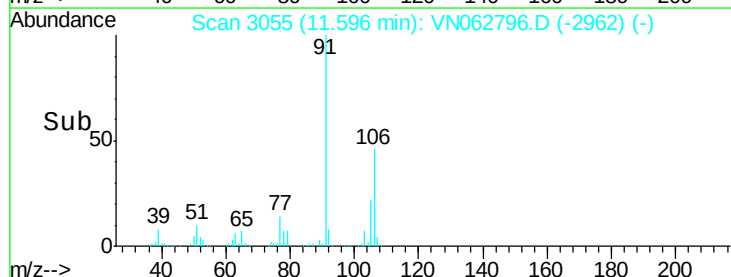
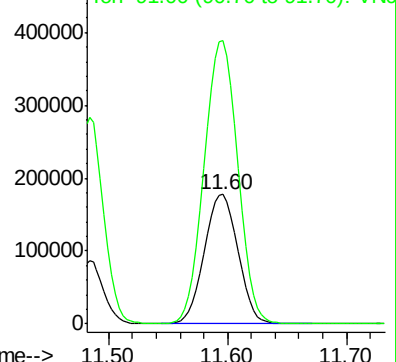
Ion Ratio Lower Upper

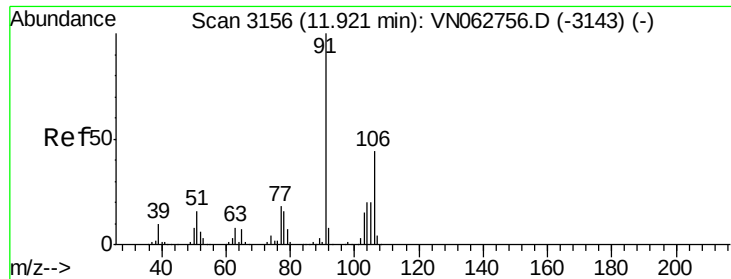
106 100

91 218.9 175.9 263.9



Abundance Ion 106.00 (105.70 to 106.70): VN062756.D (-3039) (-)

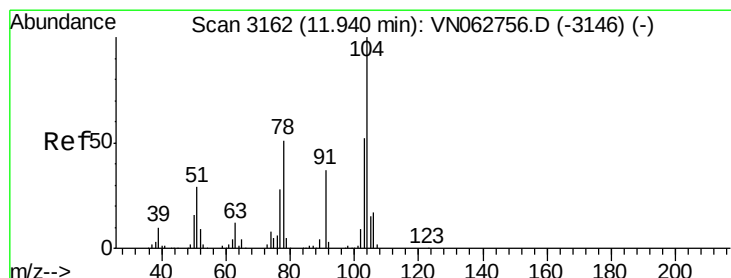
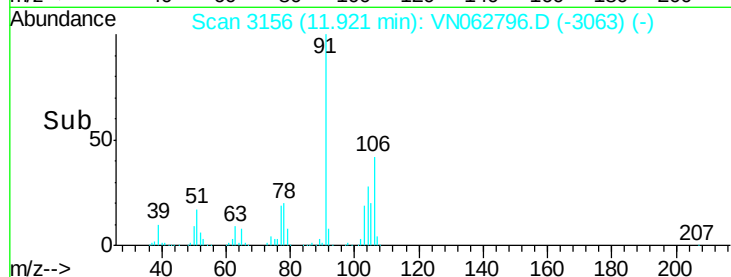
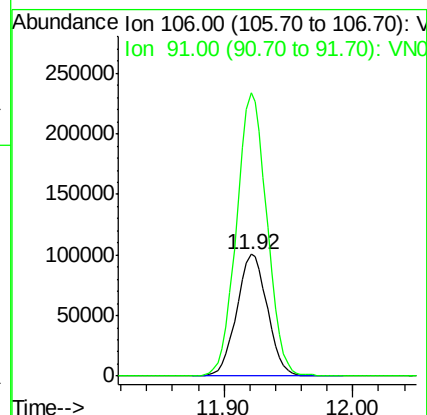
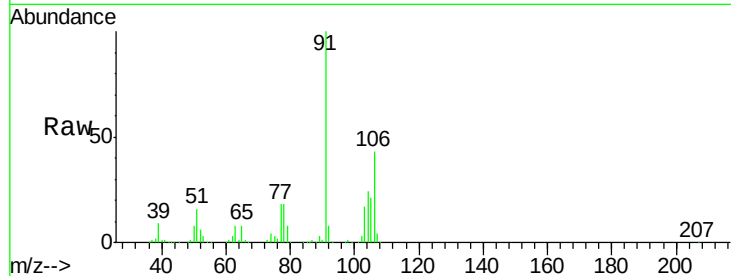




#69
o-Xylene
Concen: 51.478 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

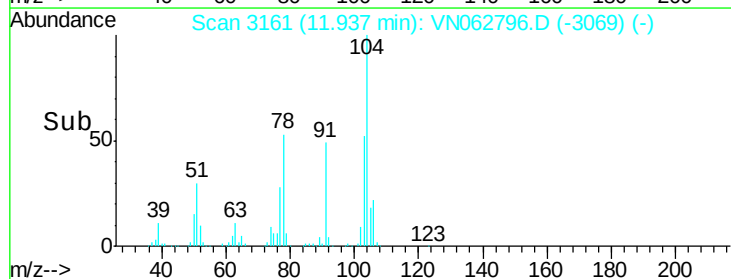
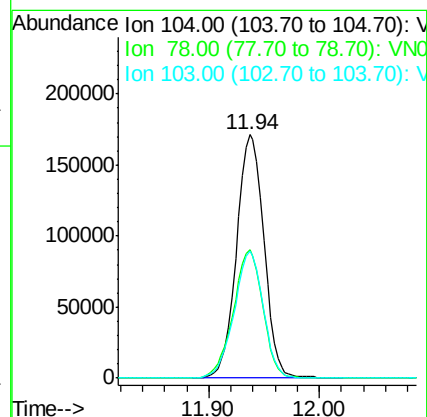
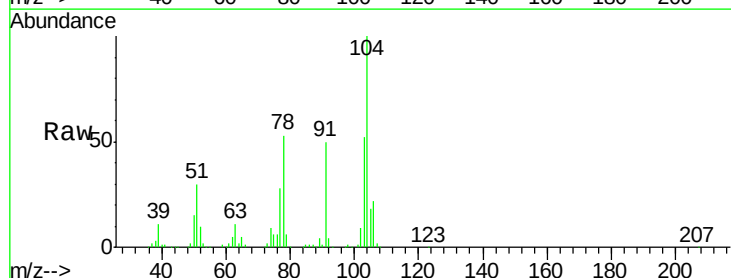
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

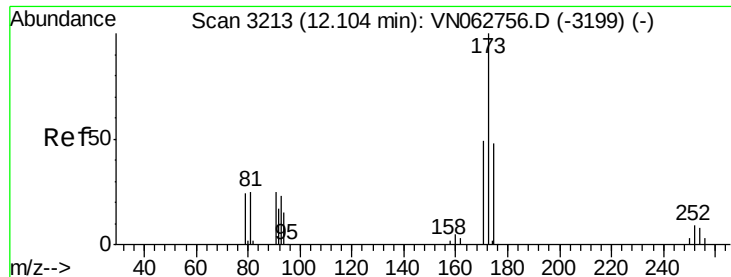
Tgt Ion:106 Resp: 166220
Ion Ratio Lower Upper
106 100
91 230.3 115.8 347.4



#70
Styrene
Concen: 52.029 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion:104 Resp: 295298
Ion Ratio Lower Upper
104 100
78 56.6 45.9 68.9
103 55.5 45.1 67.7





#71

Bromoform

Concen: 47.401 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

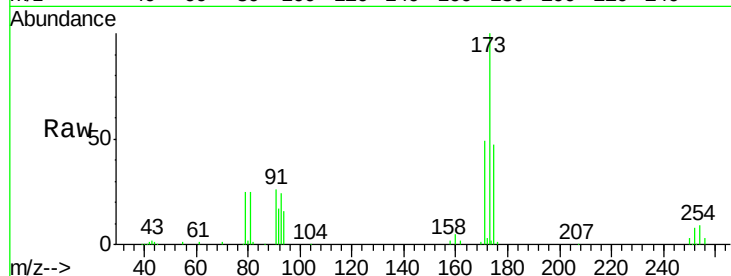
Tgt Ion:173 Resp: 82610

Ion Ratio Lower Upper

173 100

175 48.8 24.0 72.0

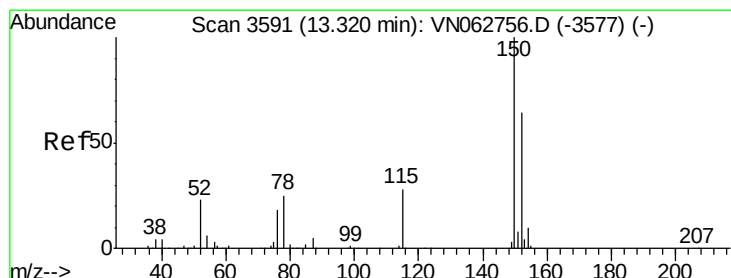
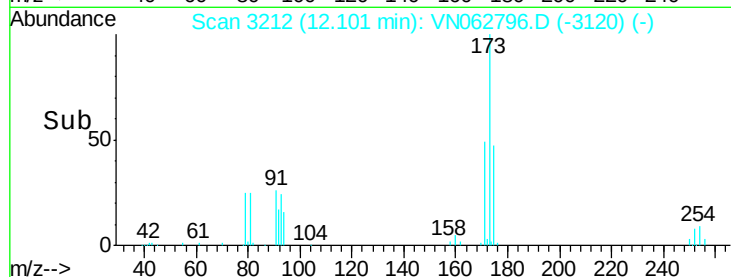
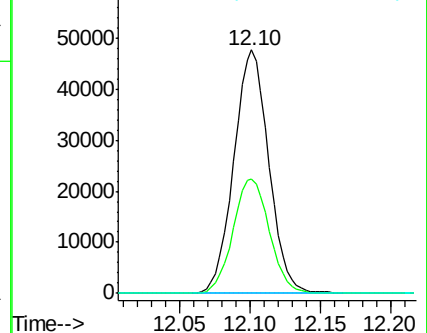
254 0.0 0.0 0.0



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# 3590

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

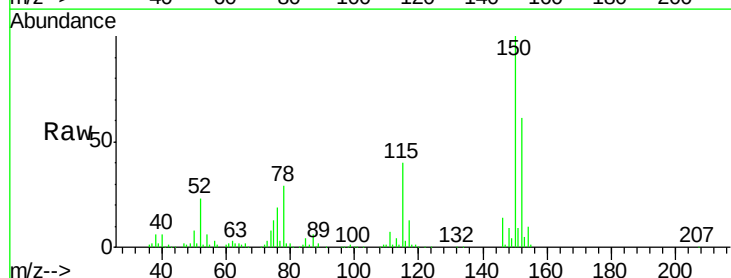
Tgt Ion:152 Resp: 129502

Ion Ratio Lower Upper

152 100

115 64.9 31.6 94.8

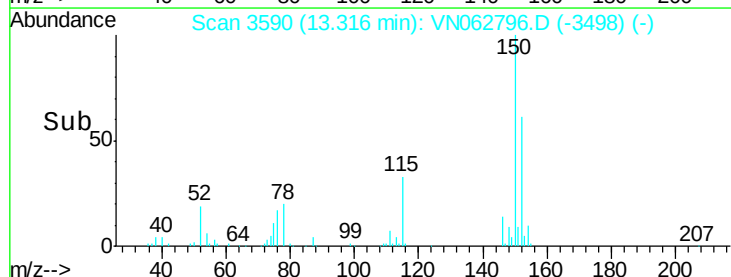
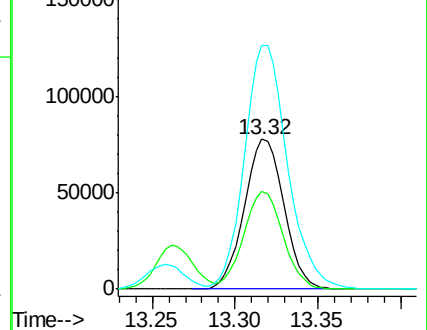
150 176.7 0.0 349.2

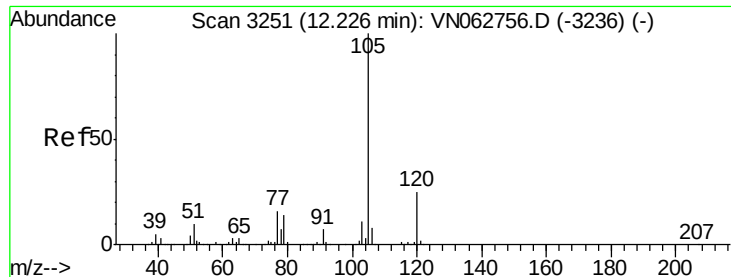


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.494 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

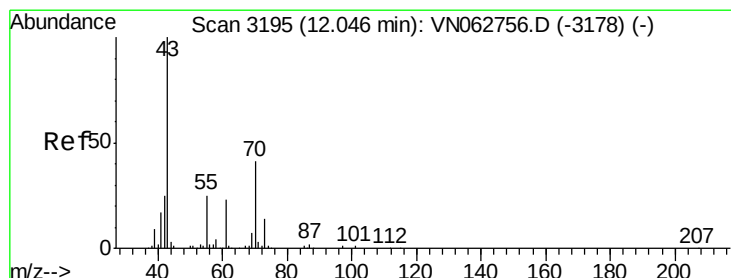
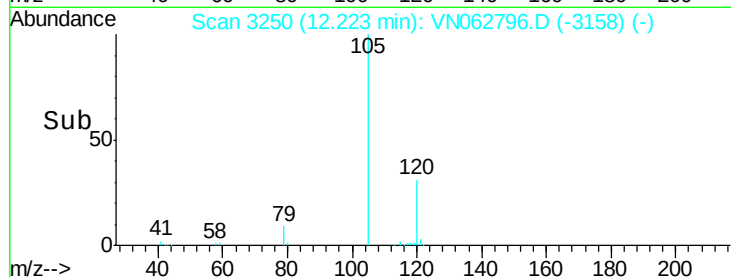
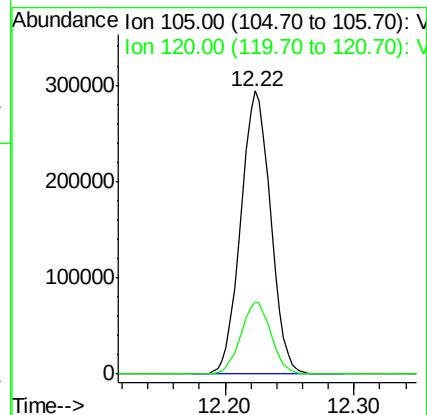
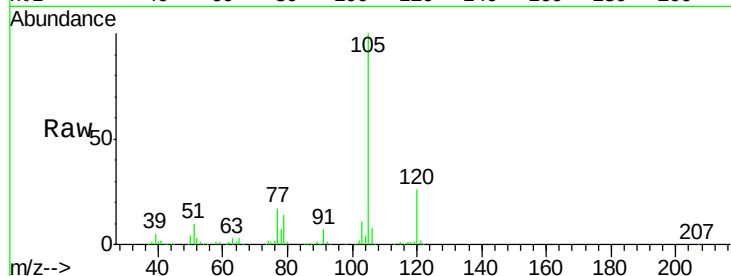
VSTDCCC050

Tgt Ion: 105 Resp: 472883

Ion Ratio Lower Upper

105 100

120 25.6 12.6 37.8



#74

N-ethyl acetate

Concen: 46.508 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion: 43 Resp: 183788

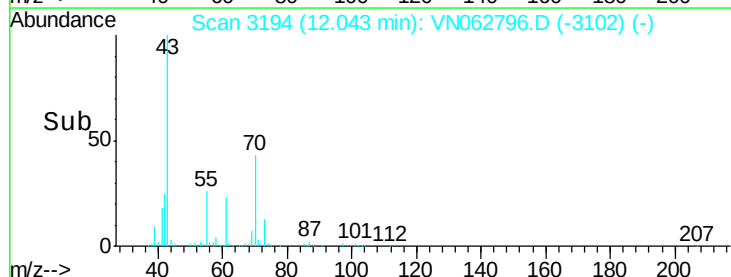
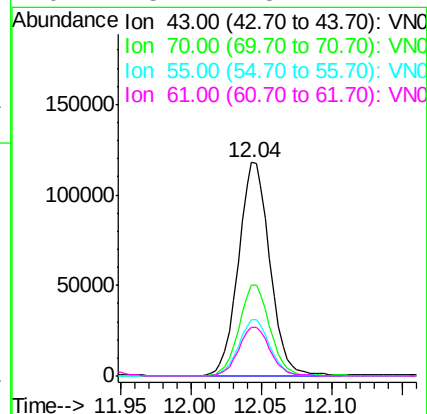
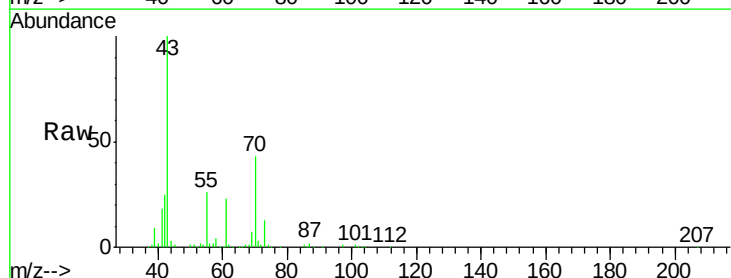
Ion Ratio Lower Upper

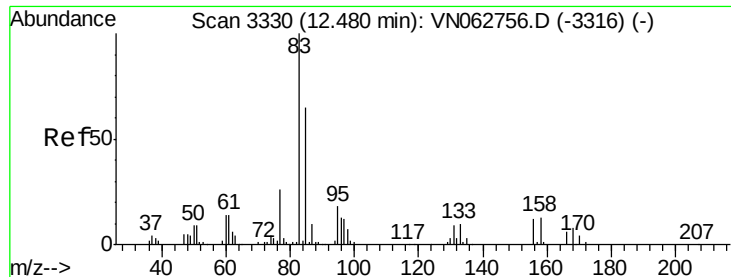
43 100

70 42.1 32.3 48.5

55 26.6 20.2 30.2

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 43.172 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

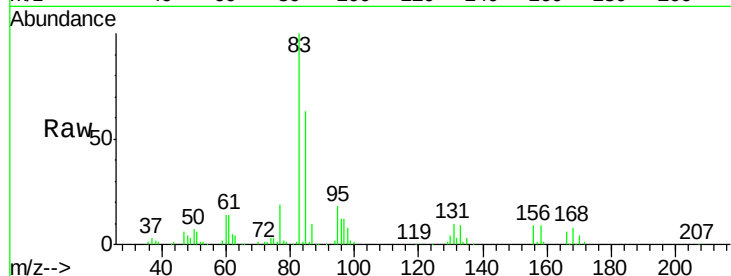
Tgt Ion: 83 Resp: 148201

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

85 64.2 31.9 95.9

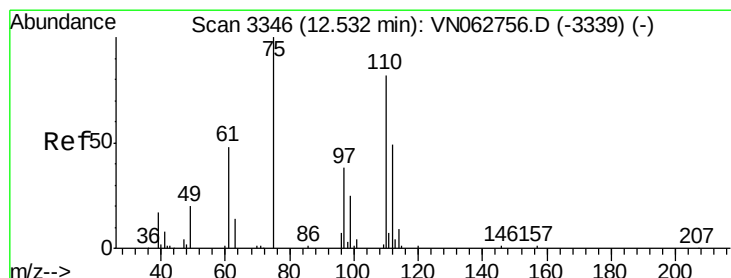
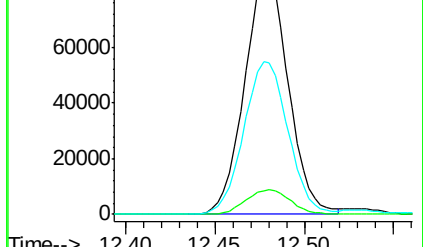
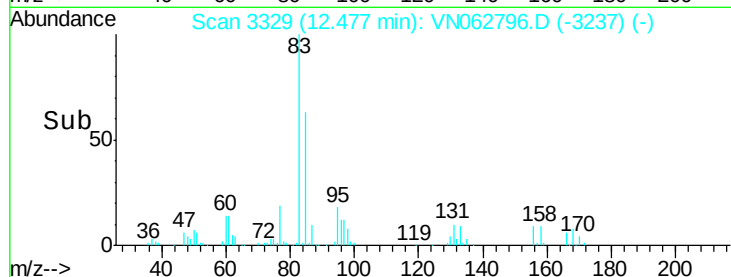


Abundance Ion 82.90 (82.60 to 83.60): VN062796.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062796.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062796.D (-3237) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 58.936 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062796.D

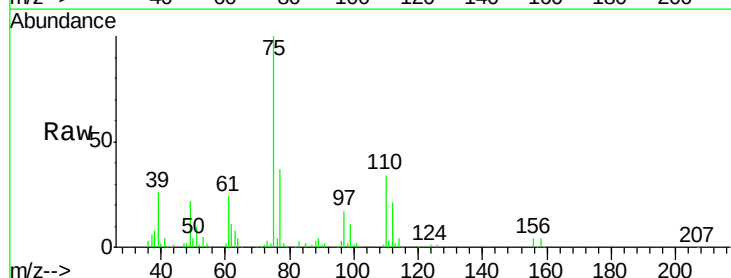
Acq: 10 Aug 2020 9:19

Tgt Ion: 75 Resp: 205834

Ion Ratio Lower Upper

75 100

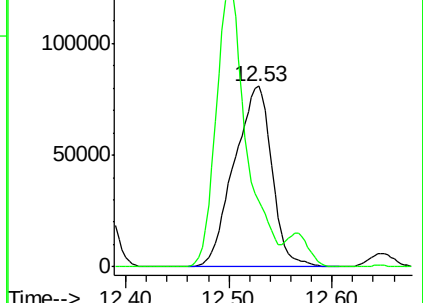
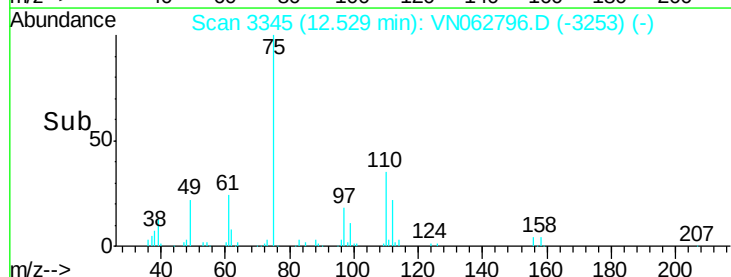
77 0.0 0.0 0.0

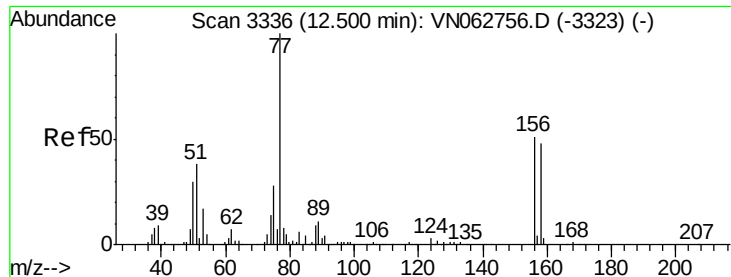


Abundance Ion 74.90 (74.60 to 75.60): VN062796.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062796.D (-3253) (-)

Time-->





#77

Bromobenzene

Concen: 46.448 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

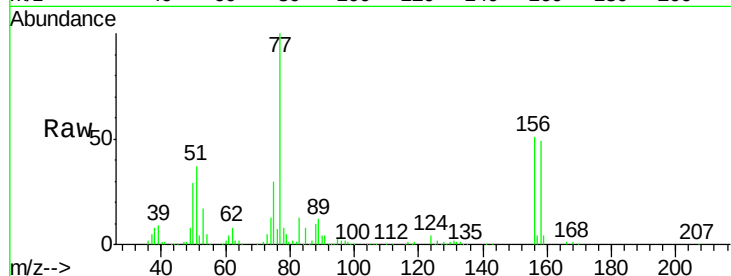
Tgt Ion:156 Resp: 112541

Ion Ratio Lower Upper

156 100

77 228.9 119.7 359.1

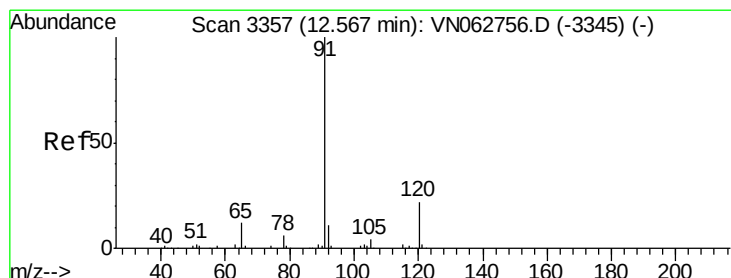
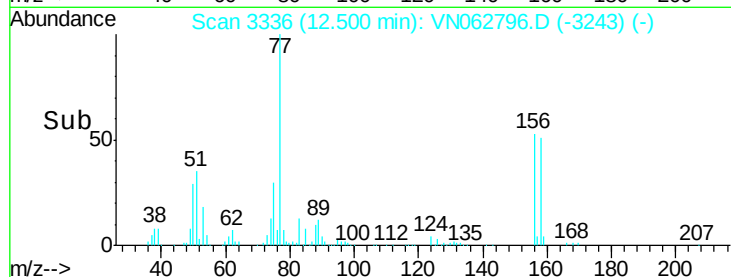
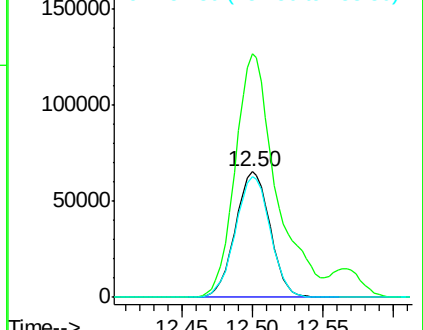
158 96.7 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.458 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062796.D

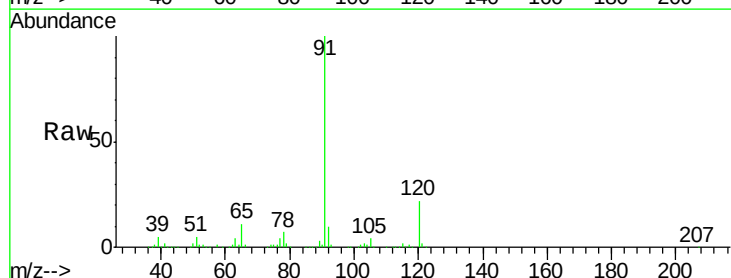
Acq: 10 Aug 2020 9:19

Tgt Ion: 91 Resp: 566130

Ion Ratio Lower Upper

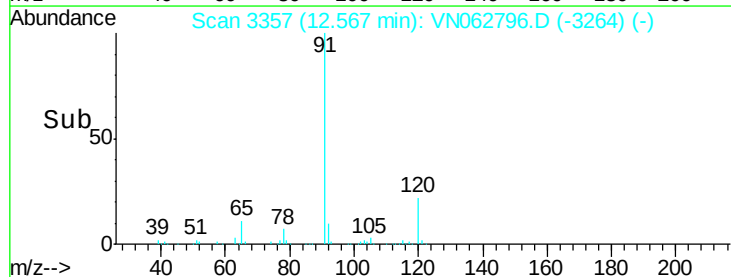
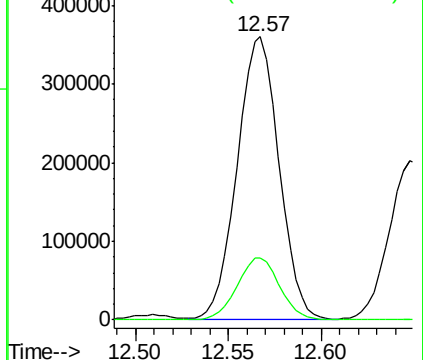
91 100

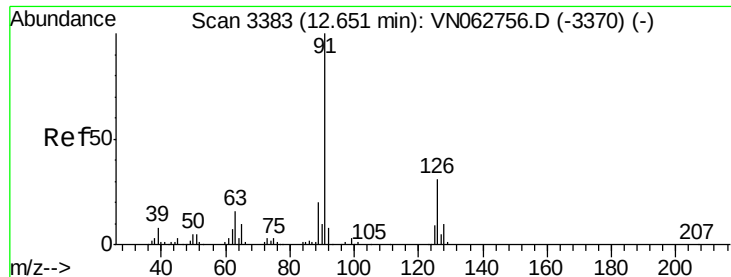
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.241 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

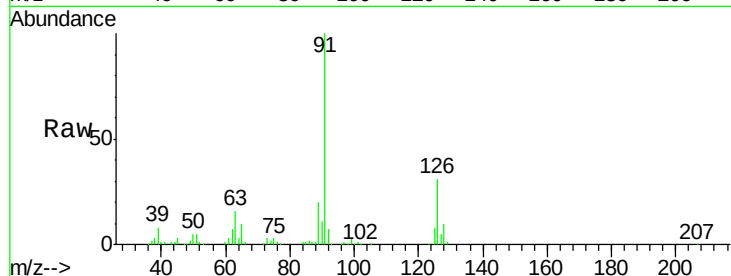
VSTDCCC050

Tgt Ion: 91 Resp: 339102

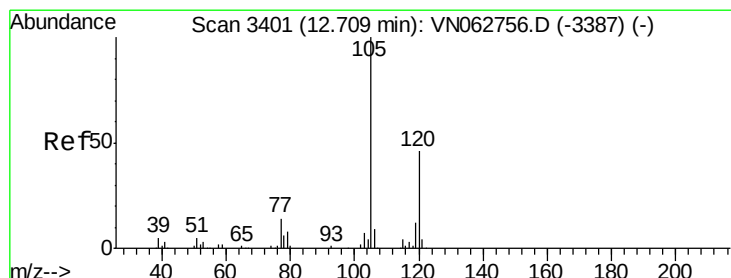
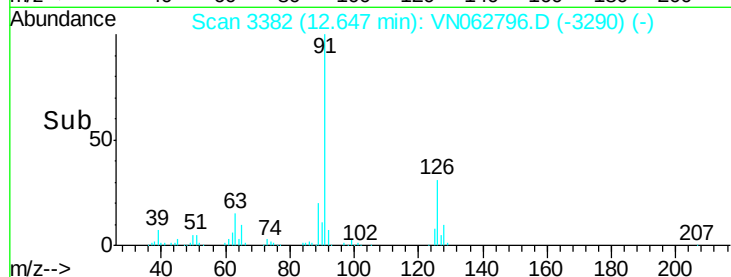
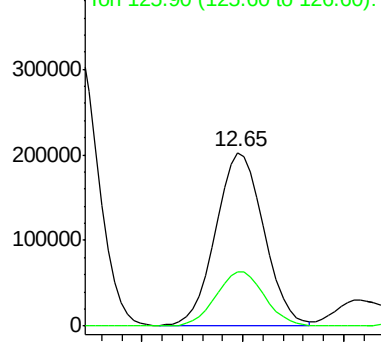
Ion Ratio Lower Upper

91 100

126 31.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.586 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062796.D

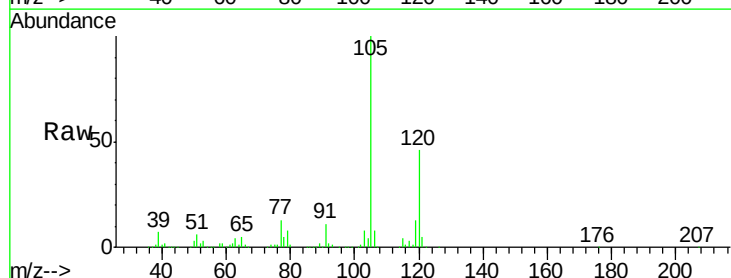
Acq: 10 Aug 2020 9:19

Tgt Ion: 105 Resp: 427947

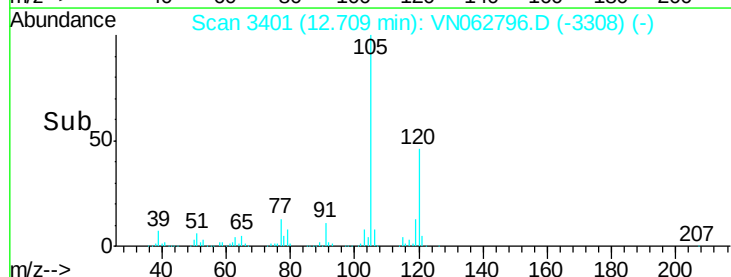
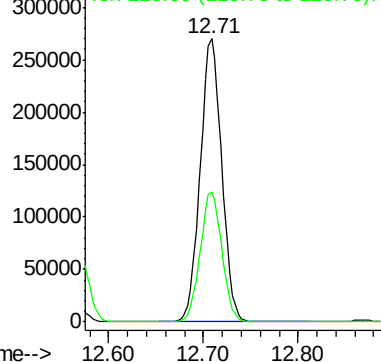
Ion Ratio Lower Upper

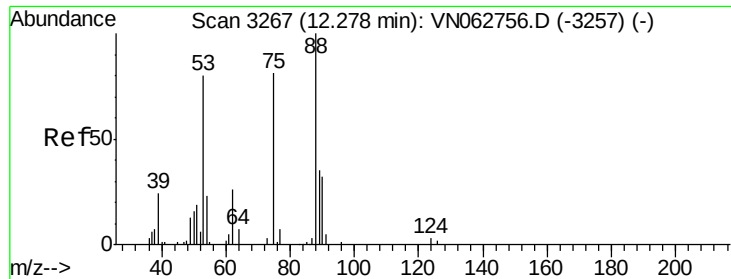
105 100

120 46.0 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062756.D (-3387) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.228 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

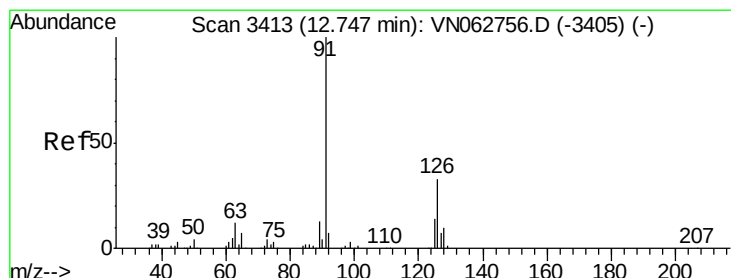
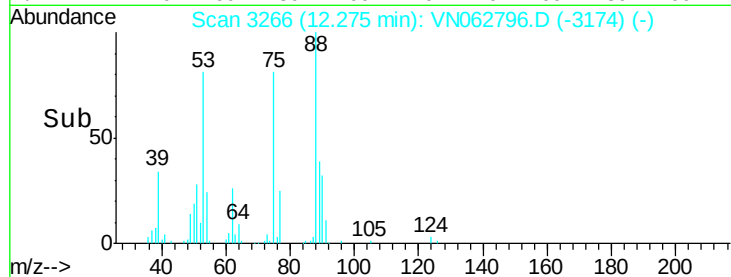
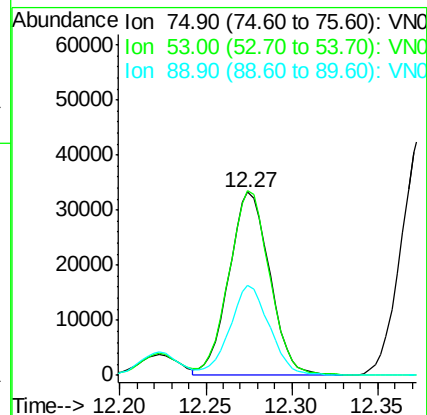
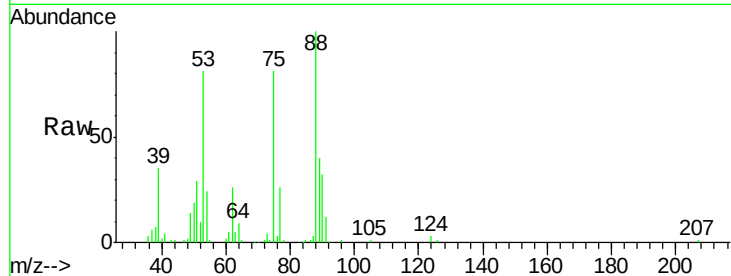
Tgt Ion: 75 Resp: 55176

Ion Ratio Lower Upper

75 100

53 100.6 79.1 118.7

89 47.6 36.2 54.2



#82

4-Chlorotoluene

Concen: 49.146 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062796.D

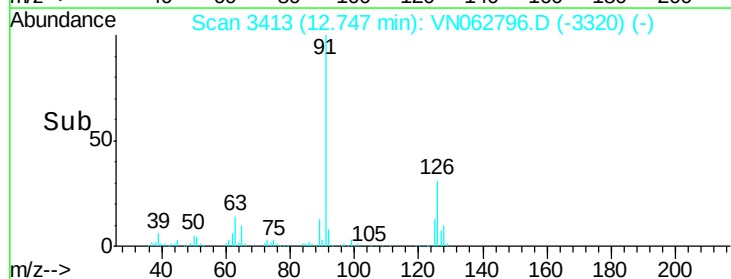
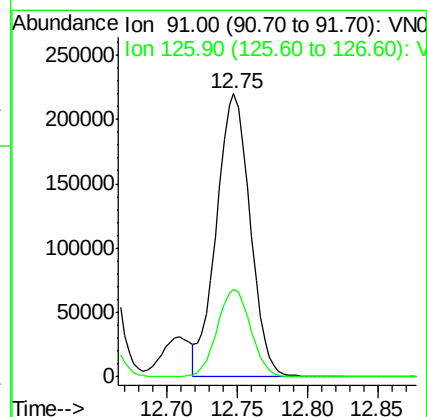
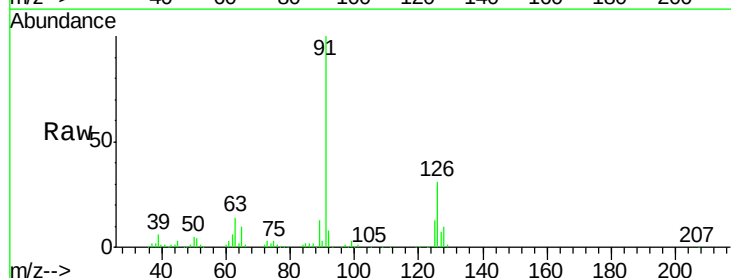
Acq: 10 Aug 2020 9:19

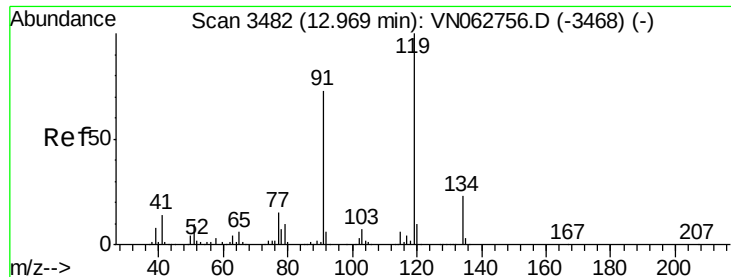
Tgt Ion: 91 Resp: 363547

Ion Ratio Lower Upper

91 100

126 30.9 15.3 45.9

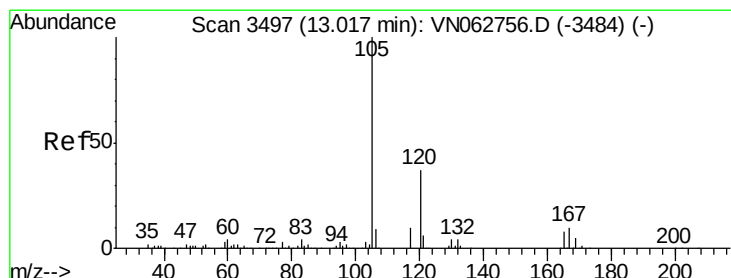
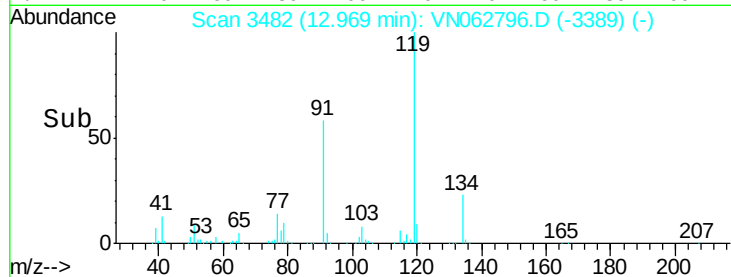
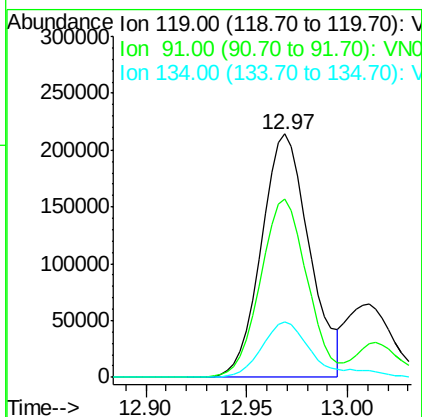
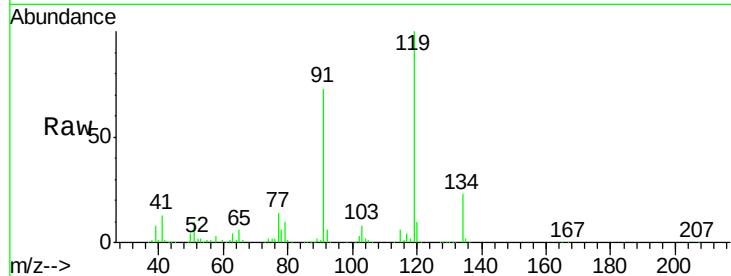




#83
 tert-Butylbenzene
 Concen: 49.639 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

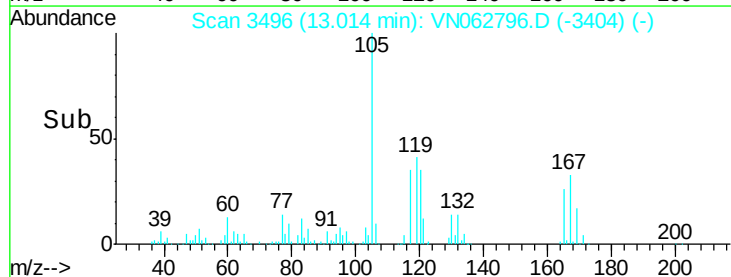
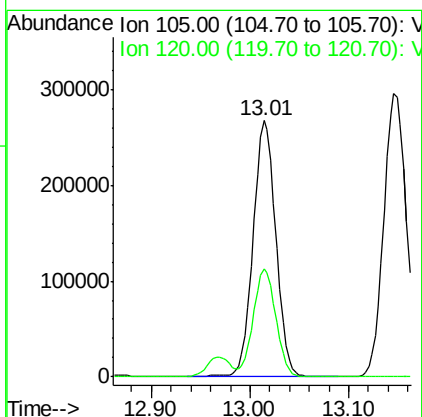
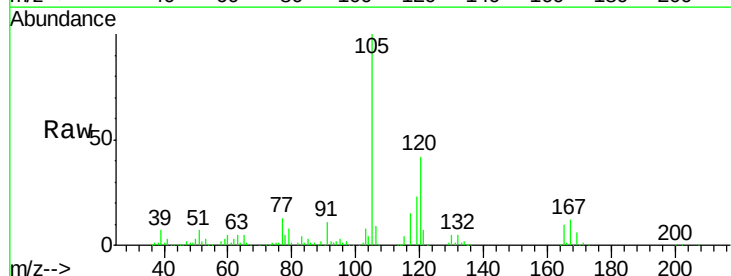
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

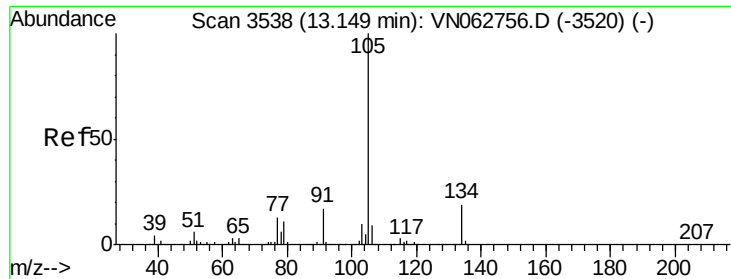
Tgt Ion:119 Resp: 355339
 Ion Ratio Lower Upper
 119 100
 91 71.6 36.5 109.5
 134 24.4 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.536 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion:105 Resp: 425194
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.4 64.2

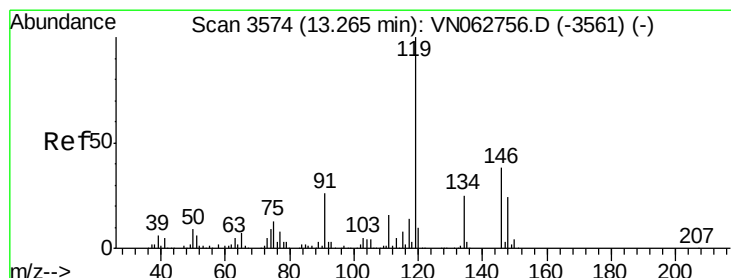
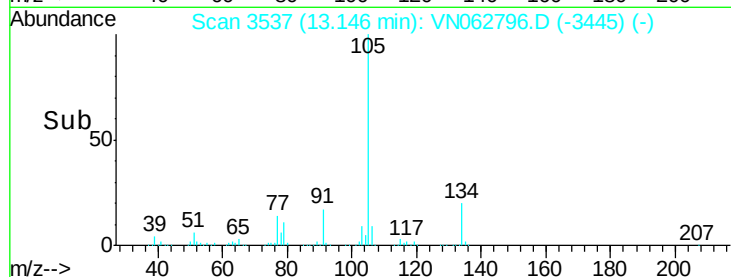
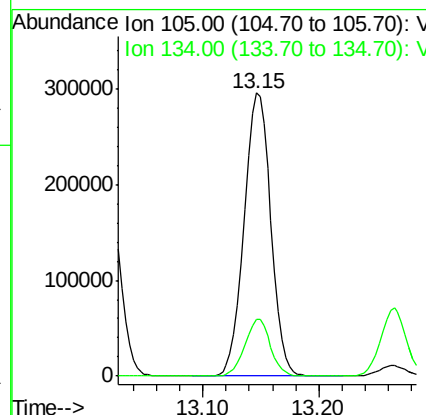
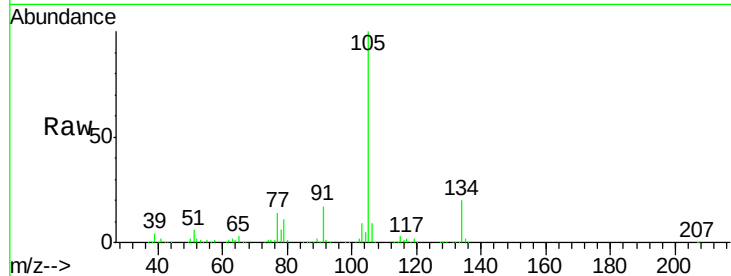




#85
 sec-Butylbenzene
 Concen: 50.040 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

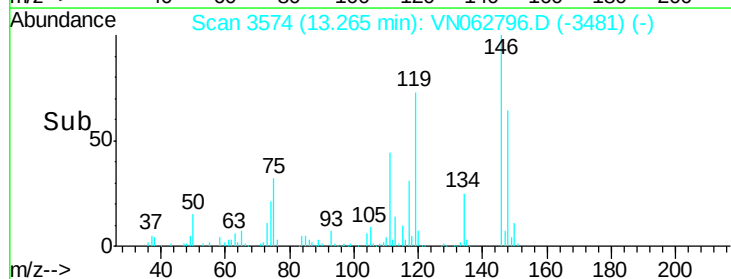
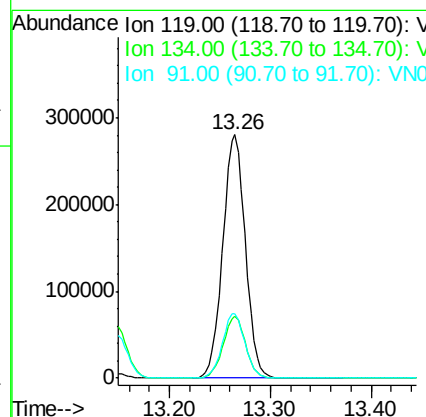
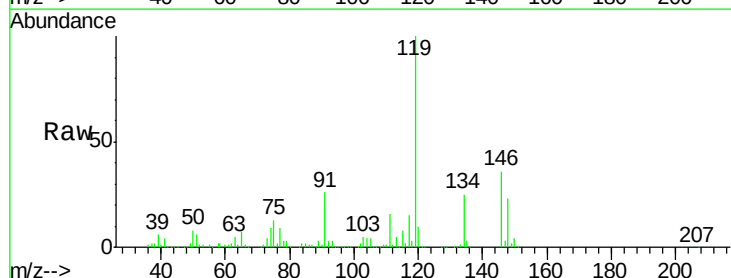
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

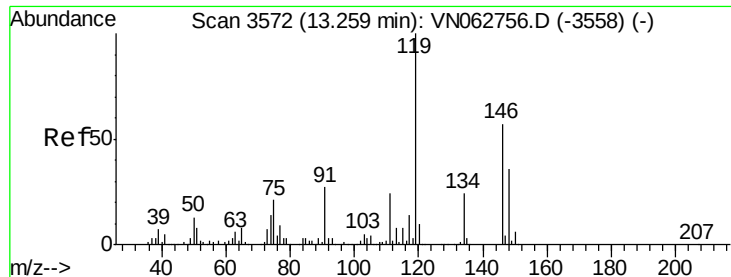
Tgt Ion:105 Resp: 470397
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 52.600 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion:119 Resp: 438908
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 26.3 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 48.308 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

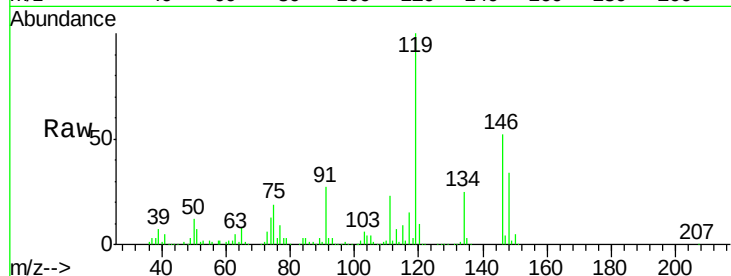
Tgt Ion:146 Resp: 209100

Ion Ratio Lower Upper

146 100

111 44.3 21.7 65.1

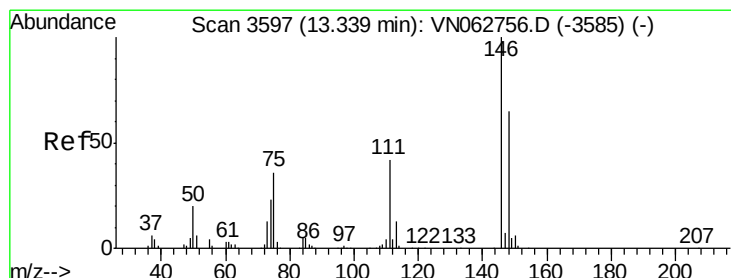
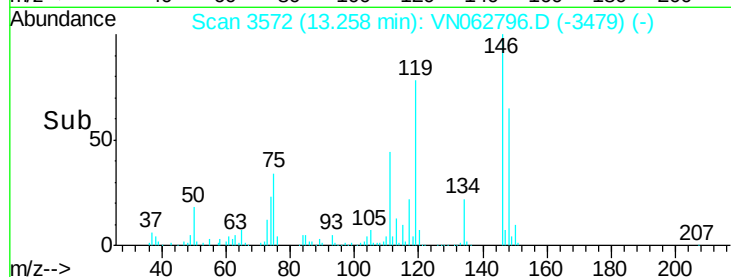
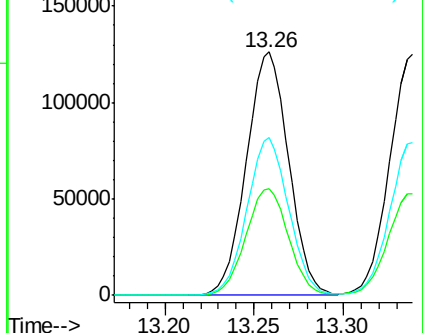
148 63.8 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.144 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

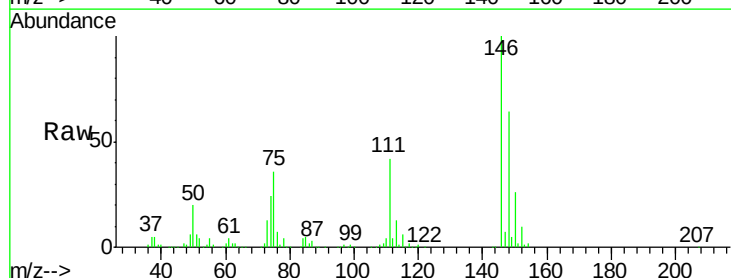
Tgt Ion:146 Resp: 209011

Ion Ratio Lower Upper

146 100

111 43.6 21.6 64.6

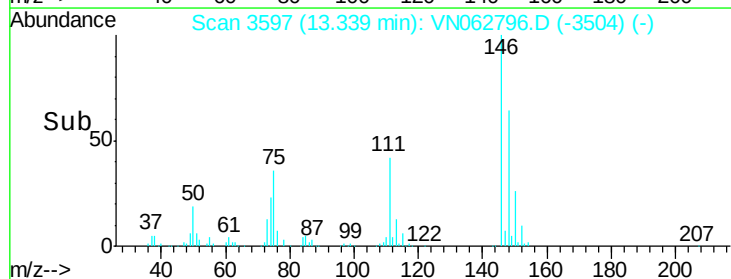
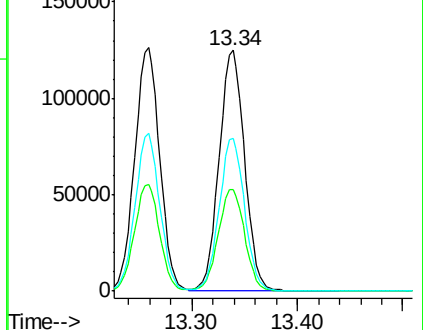
148 62.5 32.6 97.8

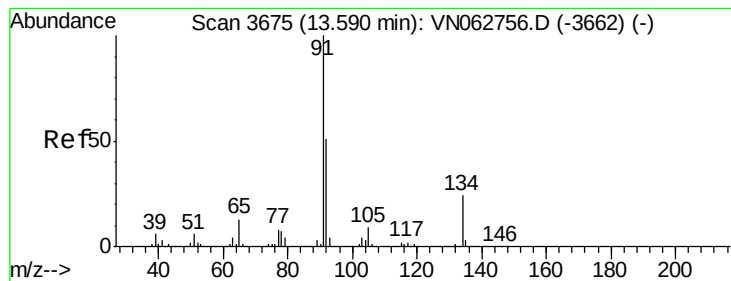


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.868 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

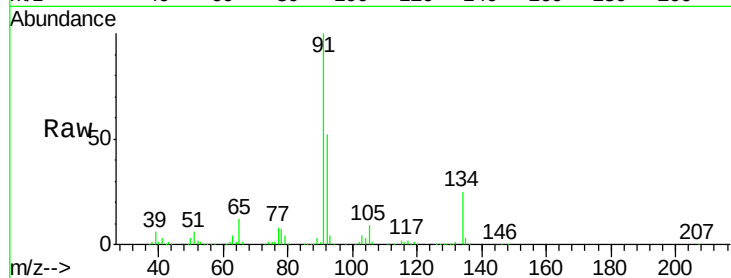
Tgt Ion: 91 Resp: 366037

Ion Ratio Lower Upper

91 100

92 51.4 25.7 77.0

134 24.2 12.2 36.6

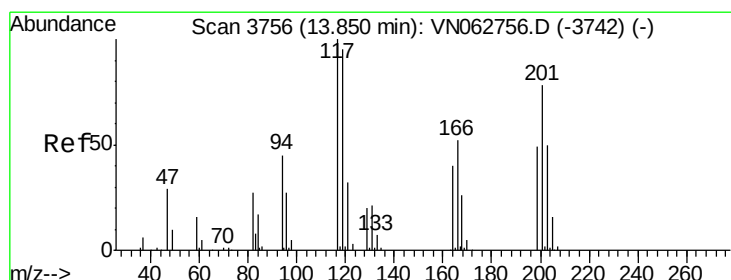
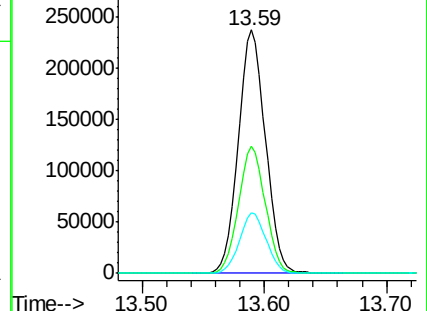
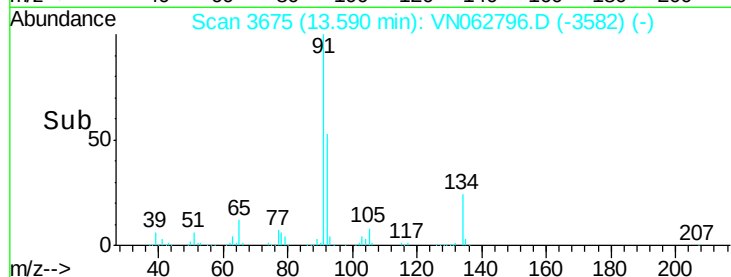


Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062756.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062756.D (-3662) (-)

Time-->



#90

Hexachloroethane

Concen: 45.563 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062796.D

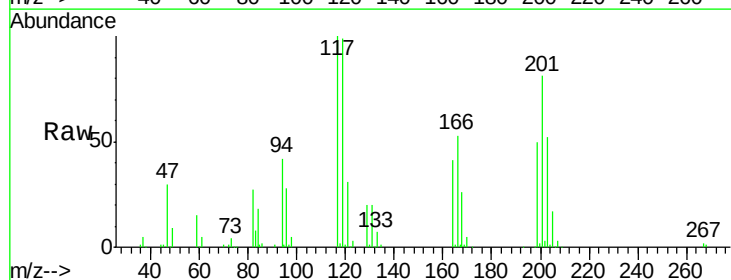
Acq: 10 Aug 2020 9:19

Tgt Ion: 117 Resp: 81951

Ion Ratio Lower Upper

117 100

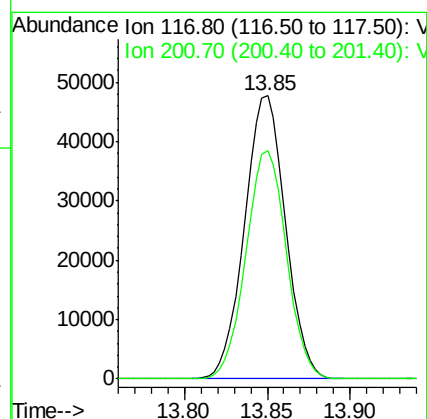
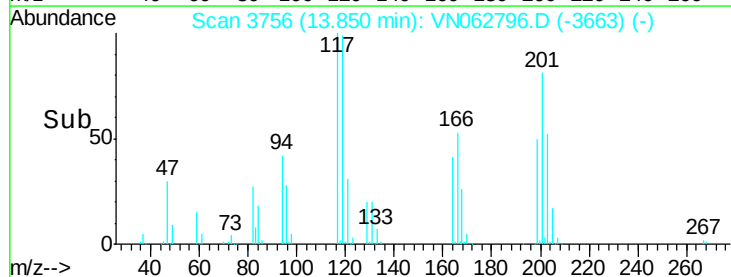
201 79.6 39.2 117.6

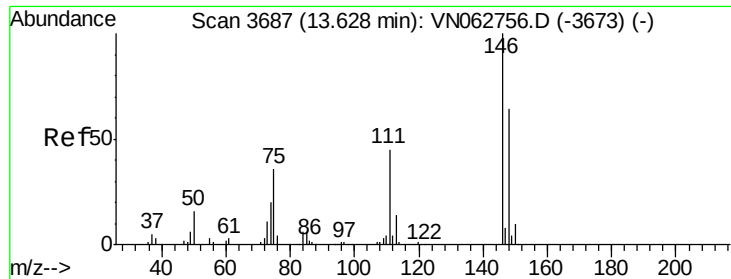


Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062756.D (-3742) (-)

Time-->

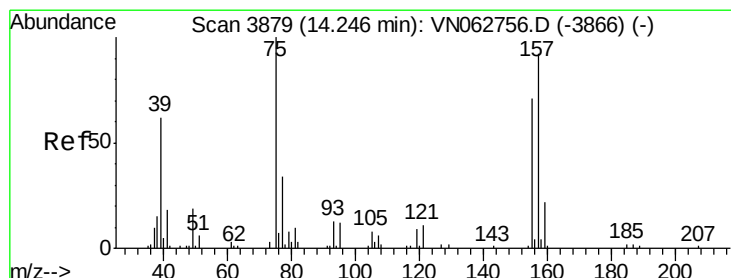
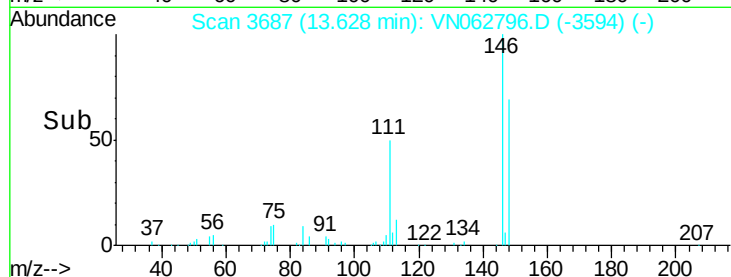
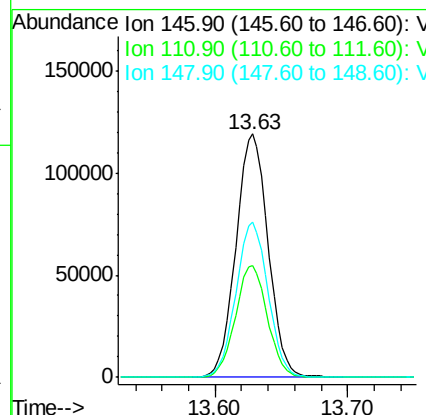
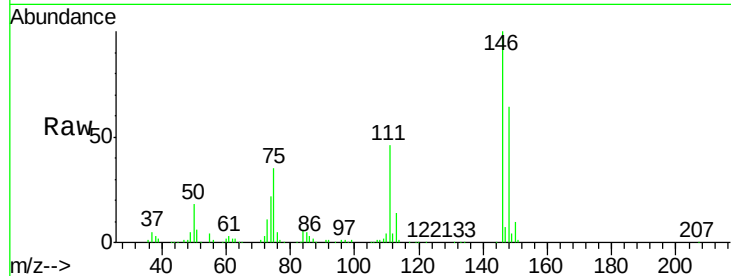




#91
 1,2-Dichlorobenzene
 Concen: 49.455 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

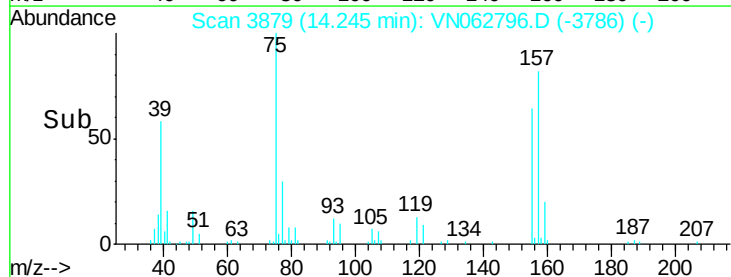
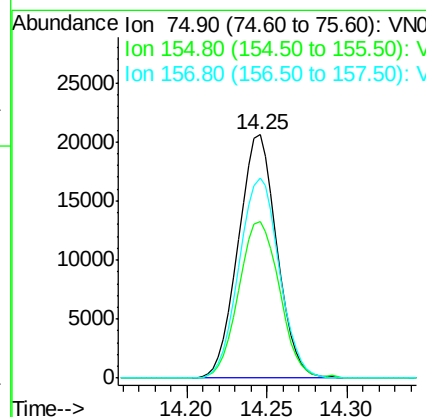
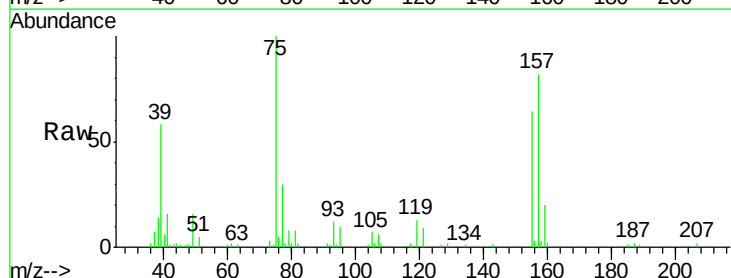
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

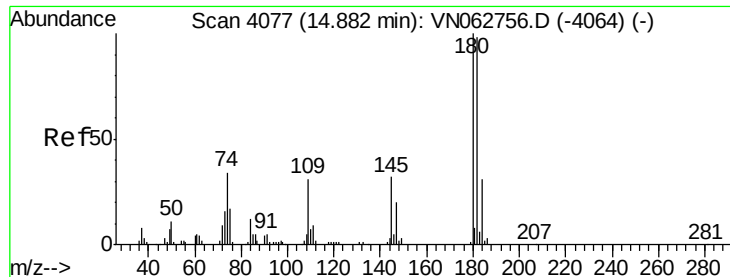
Tgt Ion:146 Resp: 200692
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.8 68.4
 148 63.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.933 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 75 Resp: 33851
 Ion Ratio Lower Upper
 75 100
 155 68.1 35.0 105.1
 157 85.4 43.2 129.6

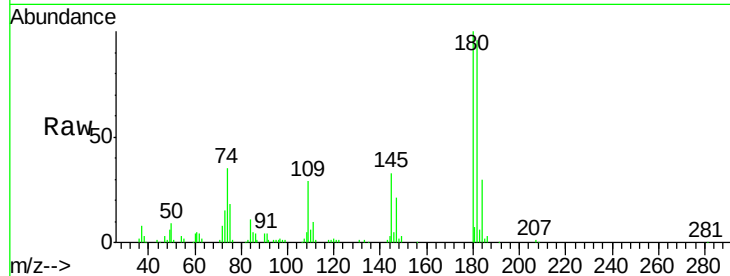




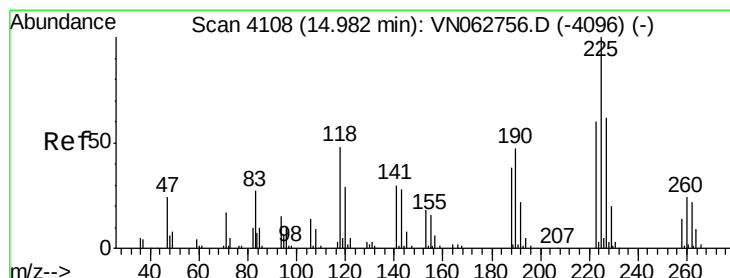
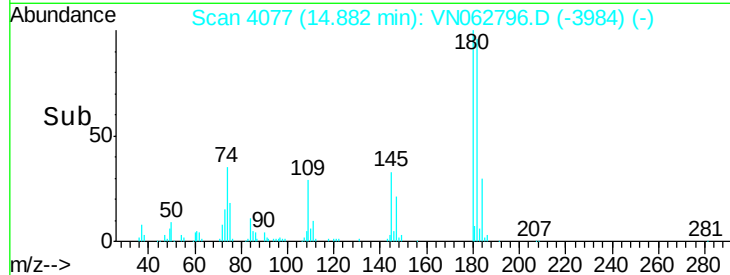
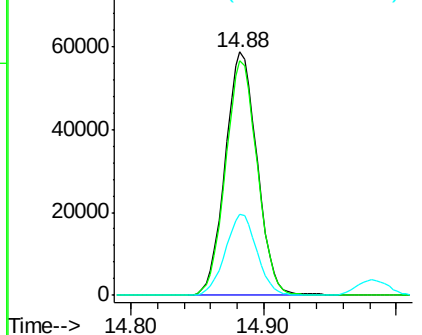
#93
 1,2,4-Trichlorobenzene
 Concen: 45.279 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 97949
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.1 147.4
 145 32.9 16.3 48.8

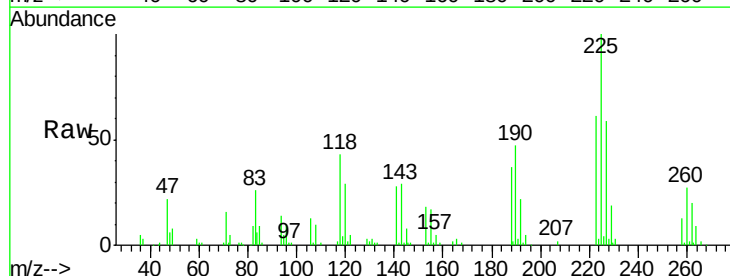


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

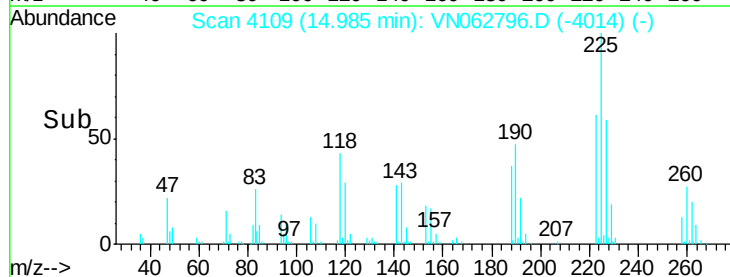
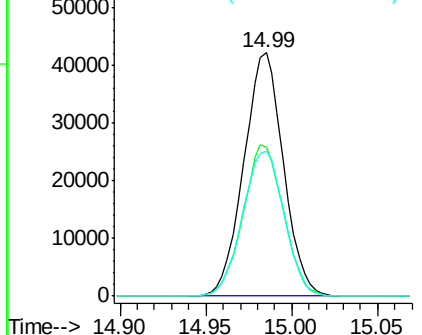


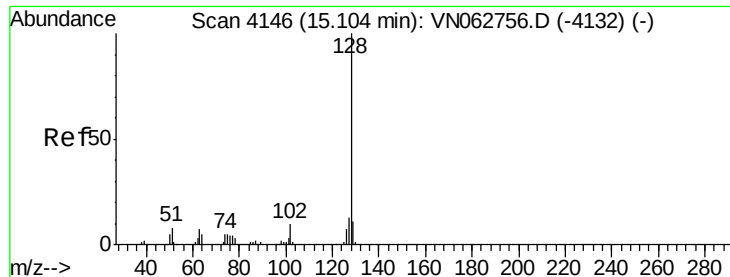
#94
 Hexachlorobutadiene
 Concen: 52.844 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion:225 Resp: 67384
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.6 92.0
 227 62.8 31.6 95.0



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





#95

Naphthalene

Concen: 41.281 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

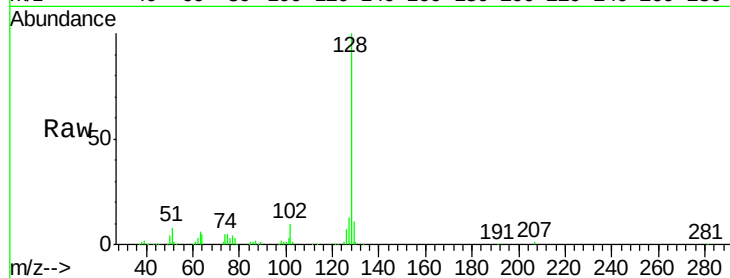
Tgt Ion:128 Resp: 241600

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

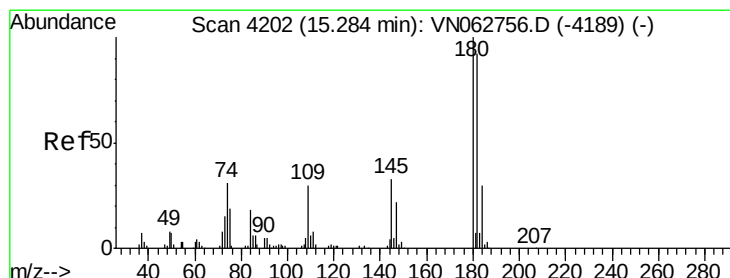
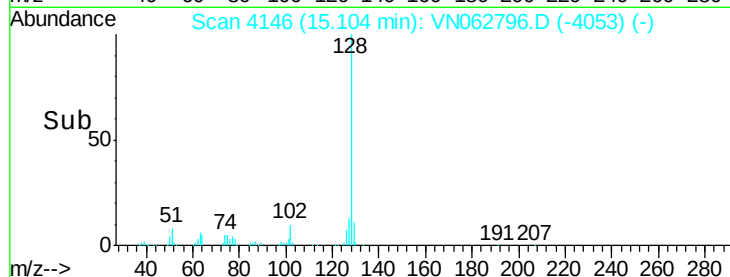
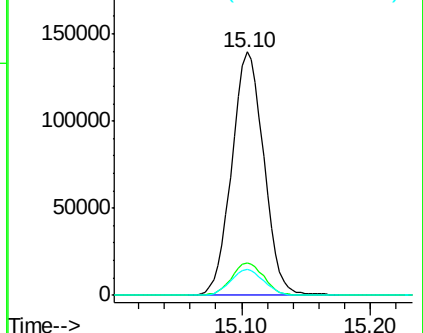
129 11.0 8.8 13.2



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: 45.162 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

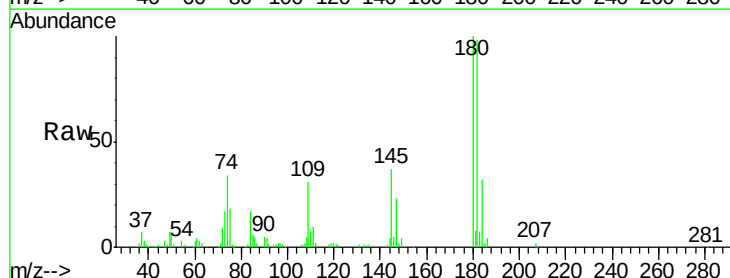
Tgt Ion:180 Resp: 96408

Ion Ratio Lower Upper

180 100

182 97.4 47.9 143.6

145 36.1 17.3 51.7



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

