

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080620\
 Data File : VN062775.D
 Acq On : 6 Aug 2020 18:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 07 03:11:25 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	7.63	168	177745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	138109	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	7.55	113	94801	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.06	98	368410	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.38	95	139942	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	129499	50.879	ug/l	98
3) Chloromethane	2.03	50	136823	56.966	ug/l	100
4) Vinyl Chloride	2.16	62	128191	56.904	ug/l	99
5) Bromomethane	2.51	94	66971	44.909	ug/l	99
6) Chloroethane	2.66	64	73330	49.479	ug/l	96
7) Trichlorofluoromethane	2.98	101	187030	46.559	ug/l	99
8) Diethyl Ether	3.37	74	53561	46.576	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	80662	49.784	ug/l	97
10) Methyl Iodide	3.91	142	99183	50.941	ug/l	96
11) Tert butyl alcohol	4.74	59	101160	209.984	ug/l	99
12) 1,1-Dichloroethene	3.69	96	73557	48.560	ug/l	99
13) Acrolein	3.57	56	61042	209.274	ug/l	99
14) Allyl chloride	4.27	41	144101	46.306	ug/l	96
15) Acrylonitrile	4.93	53	266409	238.425	ug/l	99
16) Acetone	3.78	43	223150	210.103	ug/l	100
17) Carbon Disulfide	4.01	76	202473	47.057	ug/l	98
18) Methyl Acetate	4.28	43	122941	48.916	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	326180	47.365	ug/l	99
20) Methylene Chloride	4.50	84	92351	47.475	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	79704	44.810	ug/l	100
22) Diisopropyl ether	5.90	45	334265	50.458	ug/l	97
23) Vinyl Acetate	5.84	43	1169216	232.040	ug/l	100
24) 1,1-Dichloroethane	5.80	63	175810	45.286	ug/l	99
25) 2-Butanone	6.79	43	349315	232.218	ug/l	98
26) 2,2-Dichloropropane	6.78	77	132507	37.028	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	98760	46.285	ug/l	94
28) Bromochloromethane	7.15	49	90276	48.182	ug/l	96
29) Tetrahydrofuran	7.17	42	230880	236.251	ug/l	99
30) Chloroform	7.33	83	182197	44.161	ug/l	100
31) Cyclohexane	7.62	56	168692	47.336	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	162531	44.061	ug/l	98
36) 1,1-Dichloropropene	7.75	75	126642	45.413	ug/l	99
37) Ethyl Acetate	6.88	43	131251	45.056	ug/l	100
38) Carbon Tetrachloride	7.73	117	141908	43.026	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	162140	48.313	ug/l	98
40) Benzene	8.00	78	373044	44.829	ug/l	96
41) Methacrylonitrile	7.17	41	211738	161.079	ug/l #	58
42) 1,2-Dichloroethane	8.08	62	156256	44.118	ug/l	100
43) Isopropyl Acetate	8.13	43	221115	45.507	ug/l	99
44) Trichloroethene	8.80	130	91583	45.173	ug/l	99
45) 1,2-Dichloropropane	9.08	63	104936	46.592	ug/l	93
46) Dibromomethane	9.17	93	69301	46.962	ug/l	98
47) Bromodichloromethane	9.37	83	153087	46.190	ug/l	99
48) Methyl methacrylate	9.17	41	110445	46.213	ug/l	99
49) 1,4-Dioxane	9.17	88	39301	887.481	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	741997	236.021	ug/l	100
52) Toluene	10.13	92	237686	46.261	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	161140	44.201	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	168528	46.042	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	98163	44.734	ug/l	98
56) Ethyl methacrylate	10.40	69	161391	48.863	ug/l	98
57) 1,3-Dichloropropane	10.68	76	174111	46.697	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	214979	230.263	ug/l	98
59) 2-Hexanone	10.72	43	553265	235.927	ug/l	100
60) Dibromochloromethane	10.88	129	115653	46.185	ug/l	97
61) 1,2-Dibromoethane	10.98	107	99574	45.986	ug/l	100
64) Tetrachloroethene	10.60	164	78413	45.808	ug/l	99
65) Chlorobenzene	11.41	112	259240	46.744	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	101985	45.793	ug/l	99
67) Ethyl Benzene	11.48	91	477526	48.117	ug/l	100
68) m/p-Xylenes	11.60	106	349055	96.892	ug/l	99
69) o-Xylene	11.92	106	167180	49.519	ug/l	98
70) Styrene	11.94	104	297840	50.190	ug/l	99
71) Bromoform	12.10	173	82467	45.257	ug/l #	99
73) Isopropylbenzene	12.22	105	473755	48.223	ug/l	100
74) N-amyl acetate	12.05	43	204368	51.333	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	156262	45.183	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	206564	58.706	ug/l #	100
77) Bromobenzene	12.50	156	113692	46.576	ug/l	95
78) n-propylbenzene	12.57	91	558949	48.469	ug/l	100
79) 2-Chlorotoluene	12.65	91	333634	46.134	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	419005	49.162	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	50463	43.781	ug/l	97
82) 4-Chlorotoluene	12.75	91	353609	47.448	ug/l	99
83) tert-Butylbenzene	12.97	119	350246	48.565	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	414345	50.816	ug/l	100
85) sec-Butylbenzene	13.15	105	461858	48.767	ug/l	99
86) p-Isopropyltoluene	13.26	119	416775	49.577	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	203026	46.557	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	201785	46.135	ug/l	98
89) n-Butylbenzene	13.59	91	347376	48.859	ug/l	99
90) Hexachloroethane	13.85	117	79410	43.823	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	198952	48.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	33501	45.121	ug/l	98

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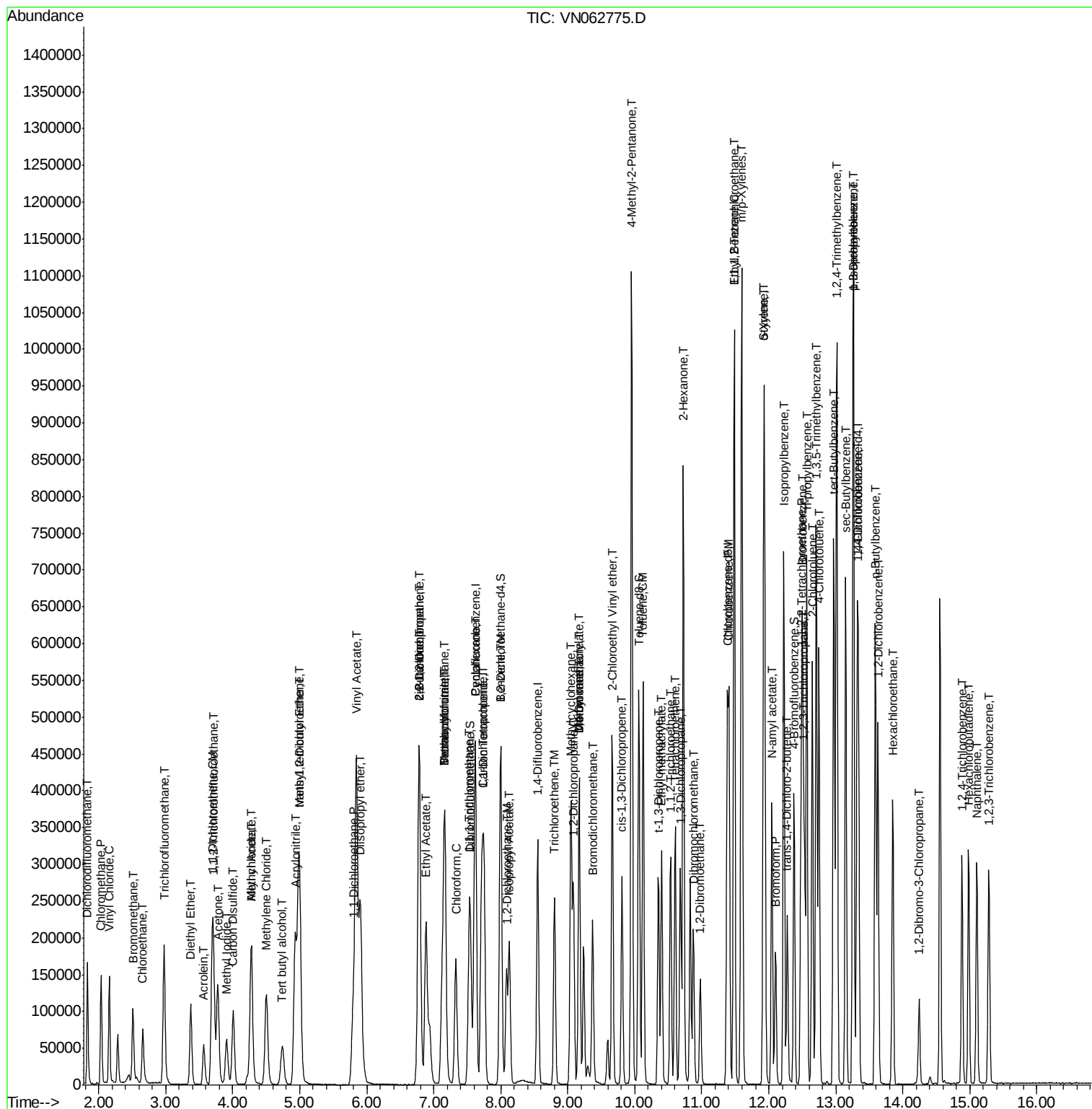
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	94092	43.328	ug/l	98
94) Hexachlorobutadiene	14.99	225	60970	47.297	ug/l	98
95) Naphthalene	15.10	128	251435	42.521	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	94273	43.915	ug/l	100

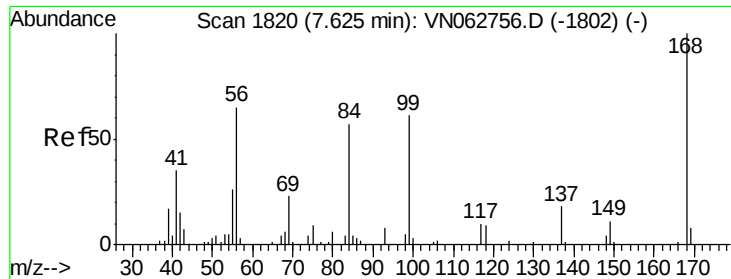
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080620\
Data File : VN062775.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

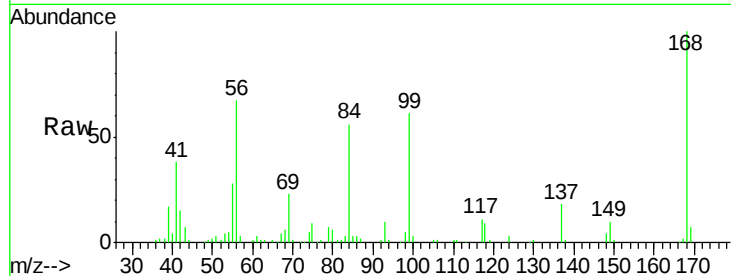
VSTDCCC050EC

Tot Ion:168 Resp: 177745

Ion Ratio Lower Upper

168 100

99 60.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

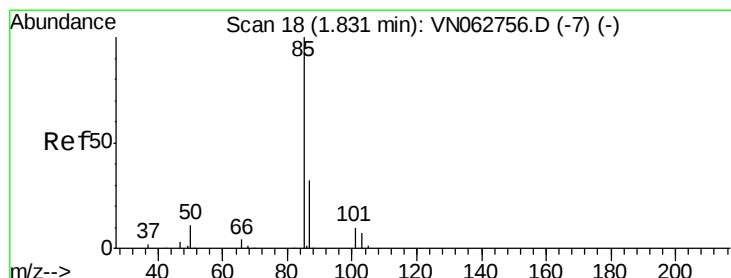
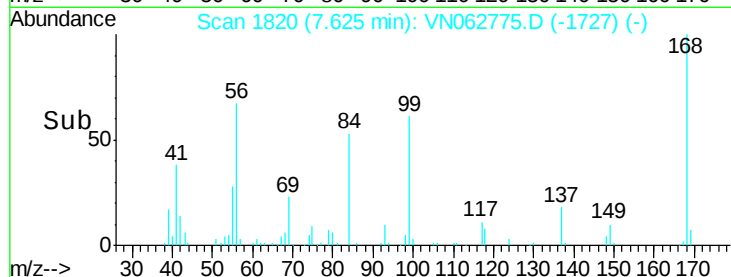
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.879 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062775.D

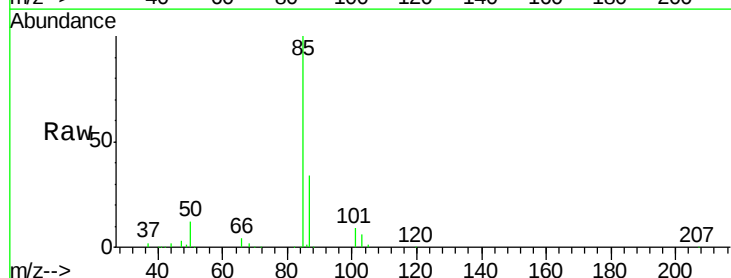
Acq: 6 Aug 2020 18:44

Tgt Ion: 85 Resp: 129499

Ion Ratio Lower Upper

85 100

87 33.6 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

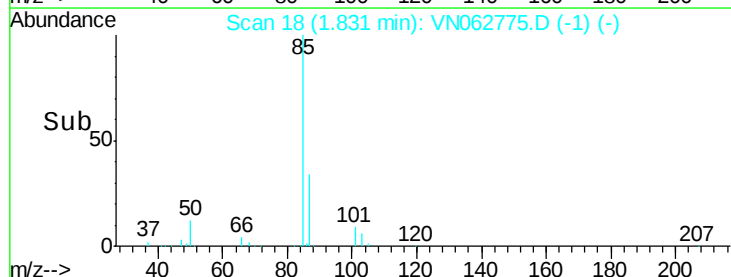
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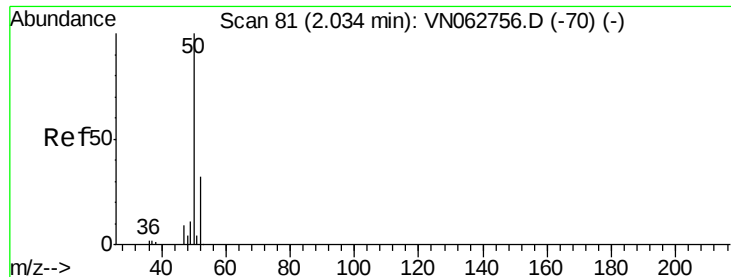
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 56.966 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

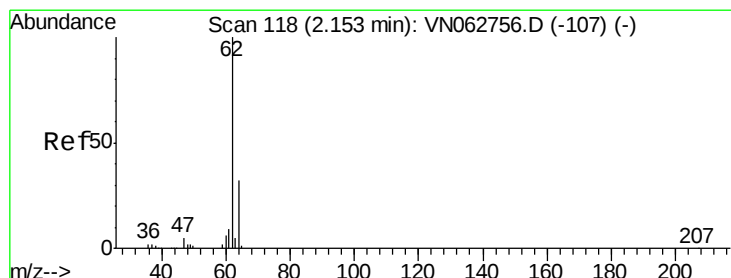
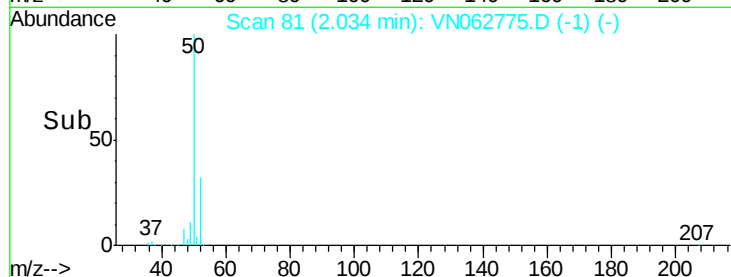
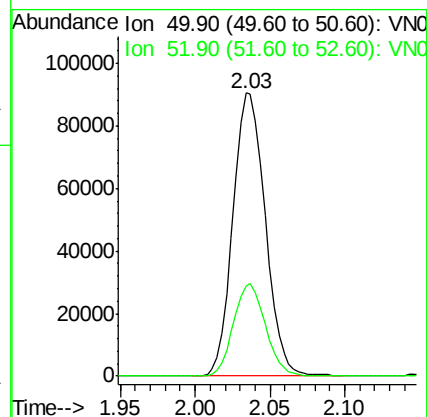
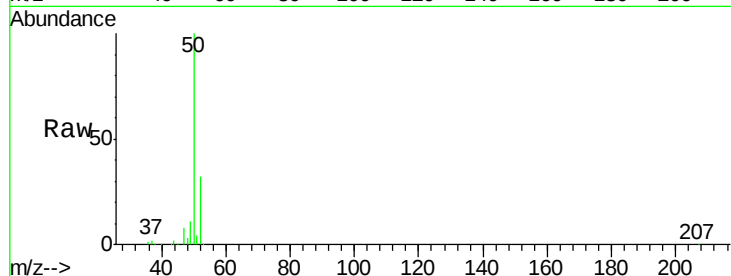
VSTDCCC050EC

Tot Ion: 50 Resp: 136823

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4



#4

Vinyl Chloride

Concen: 56.904 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062775.D

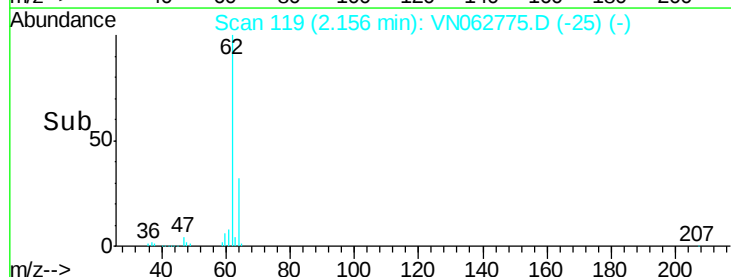
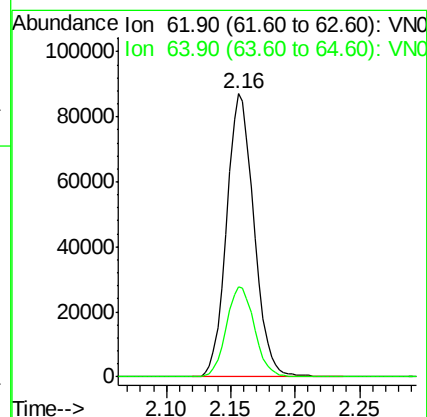
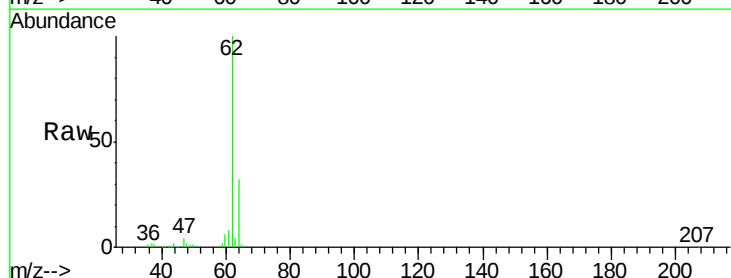
Acq: 6 Aug 2020 18:44

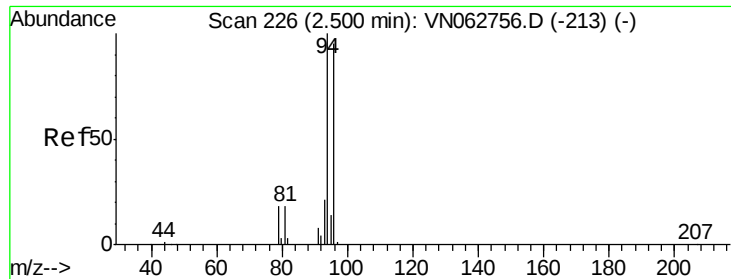
Tgt Ion: 62 Resp: 128191

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 44.909 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.01 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

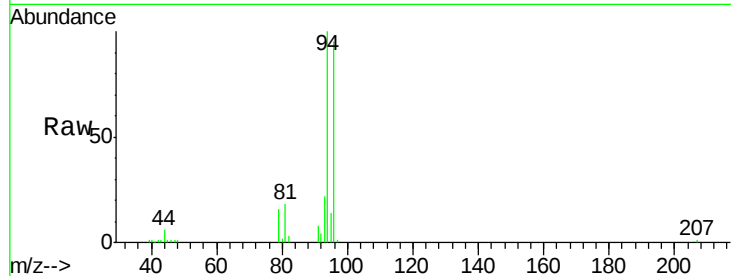
VSTDCCC050EC

Tot Ion: 94 Resp: 66971

Ion Ratio Lower Upper

94 100

96 94.6 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.51

40000

30000

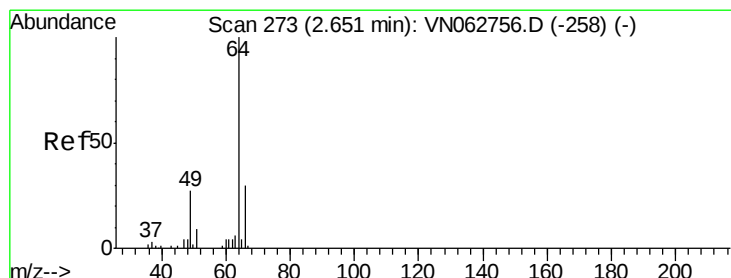
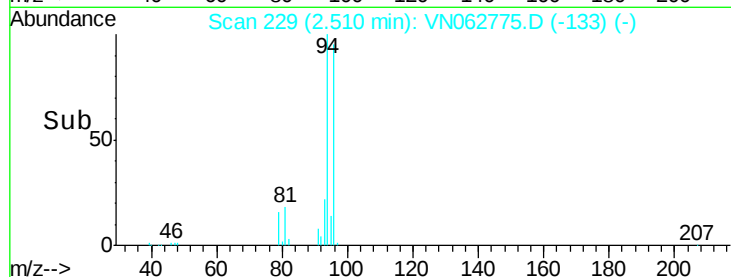
20000

10000

0

Time-->

2.45 2.50 2.55



#6

Chloroethane

Concen: 49.479 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062775.D

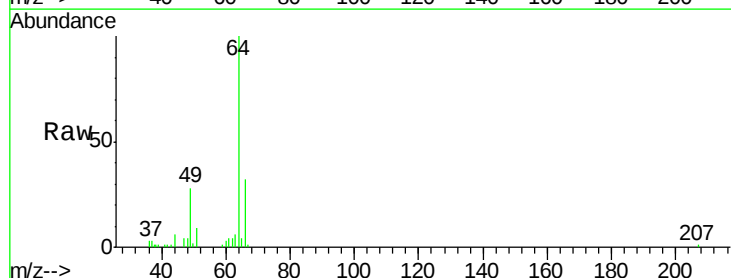
Acq: 6 Aug 2020 18:44

Tgt Ion: 64 Resp: 73330

Ion Ratio Lower Upper

64 100

66 31.9 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

40000

30000

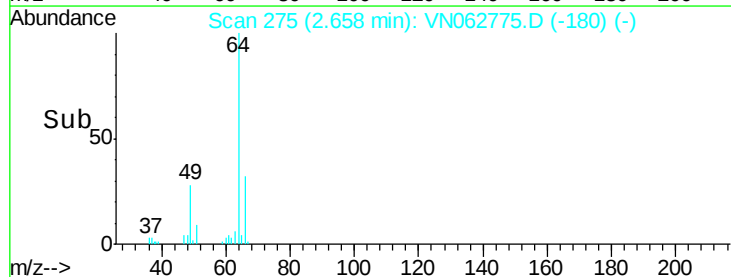
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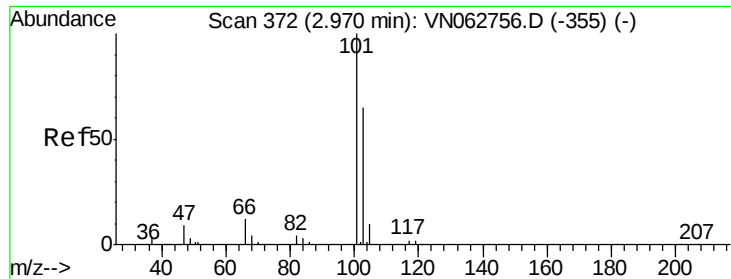
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0

Time-->

2.60 2.70



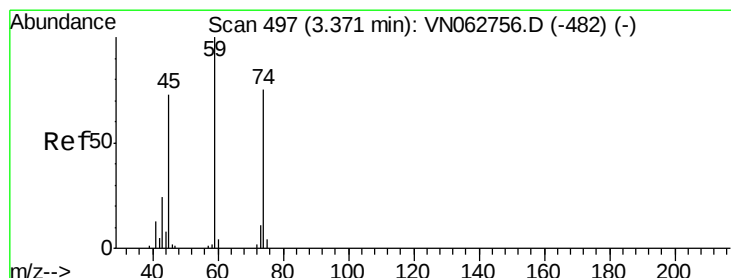
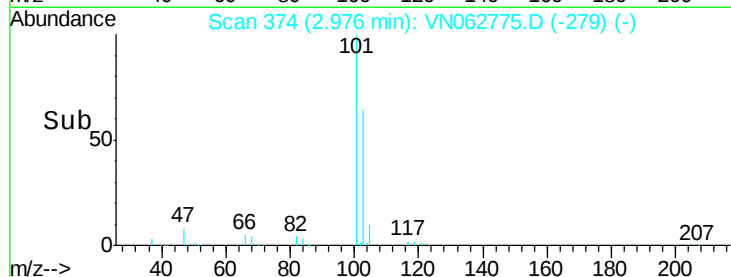
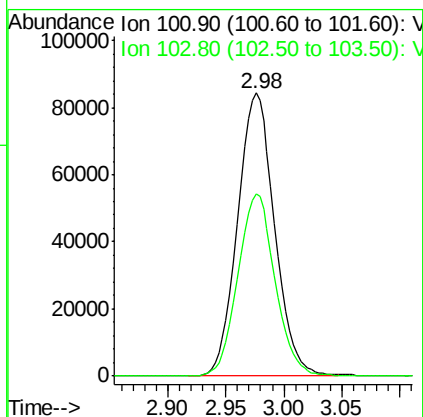
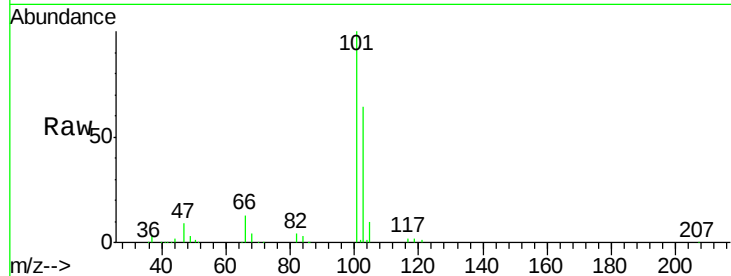


#7

Trichlorofluoromethane
Concen: 46.559 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.01 min
Lab File: VN062775.D
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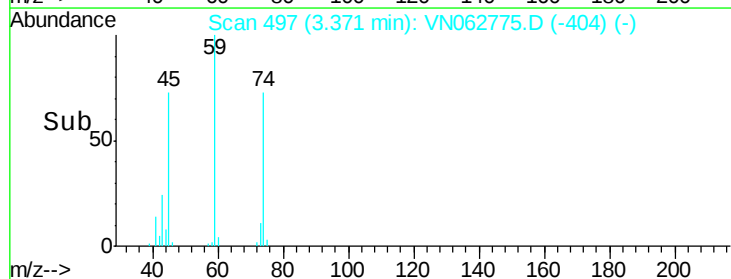
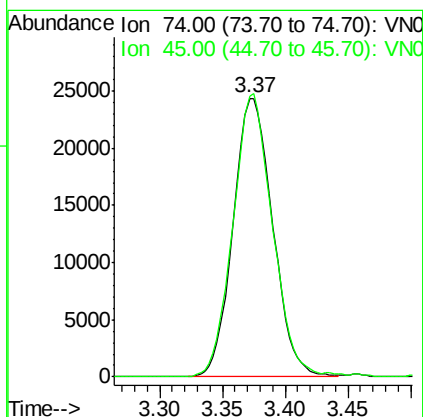
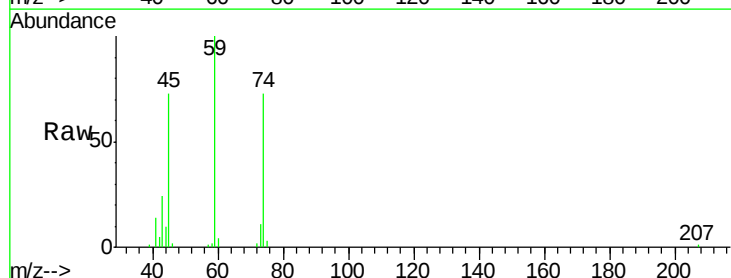
Tot Ion:101 Resp: 187030
Ion Ratio Lower Upper
101 100
103 64.5 52.3 78.5

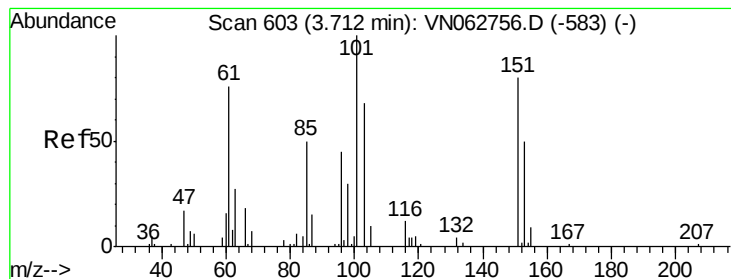


#8

Diethyl Ether
Concen: 46.576 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 74 Resp: 53561
Ion Ratio Lower Upper
74 100
45 101.3 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.784 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

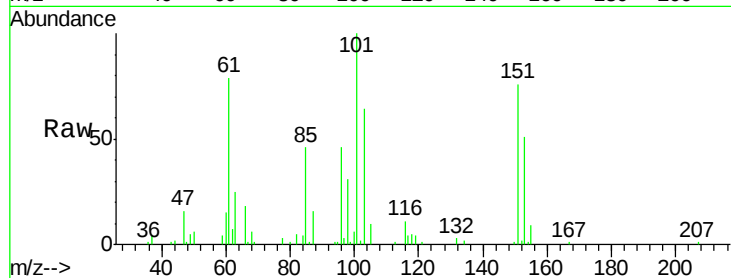
Tot Ion:101 Resp: 80662

Ion Ratio Lower Upper

101 100

85 45.1 38.5 57.7

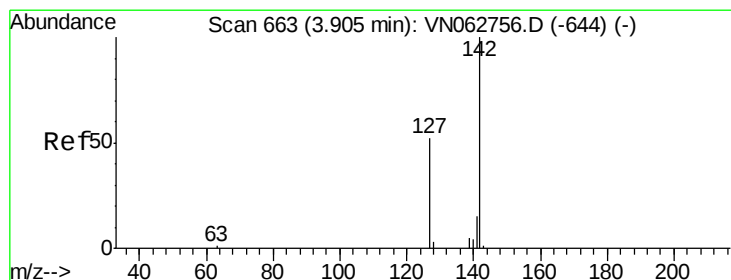
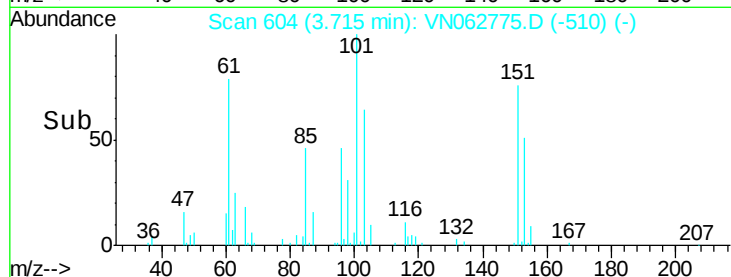
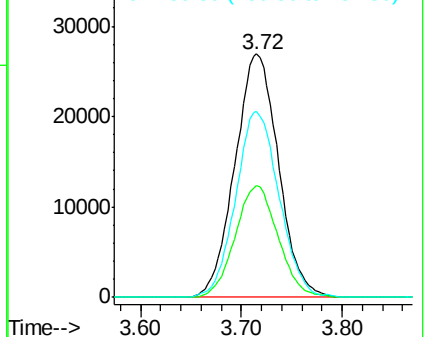
151 76.2 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.941 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

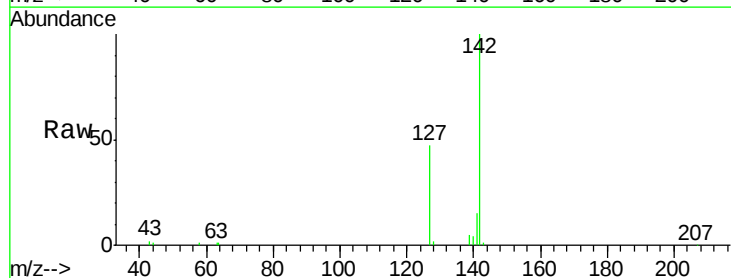
Tgt Ion:142 Resp: 99183

Ion Ratio Lower Upper

142 100

127 48.5 41.4 62.0

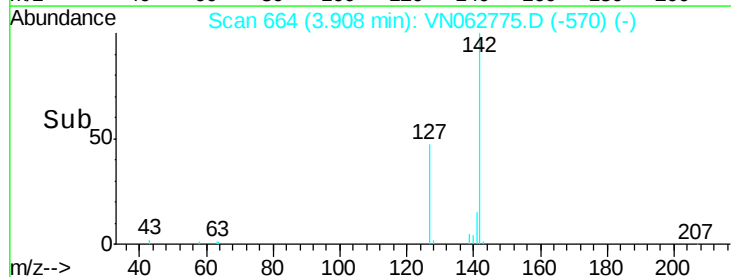
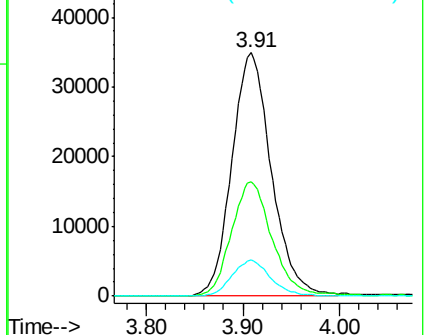
141 14.4 12.2 18.4

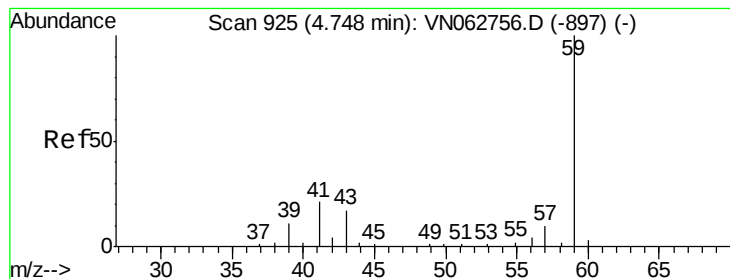


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



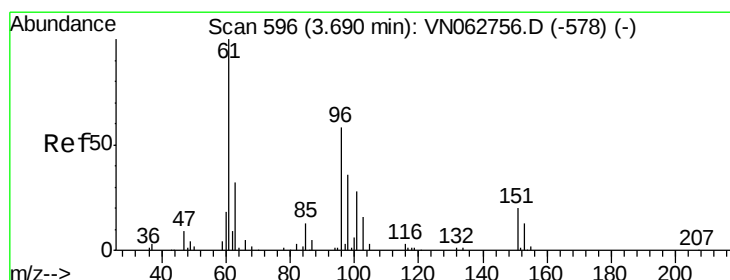
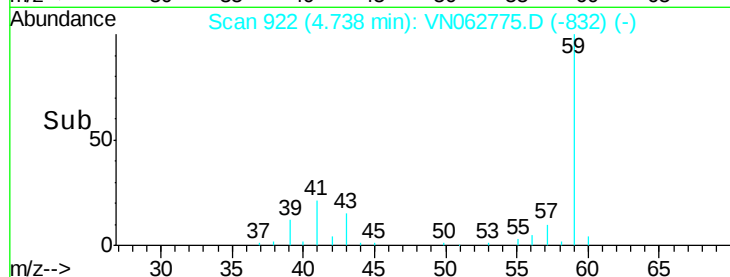
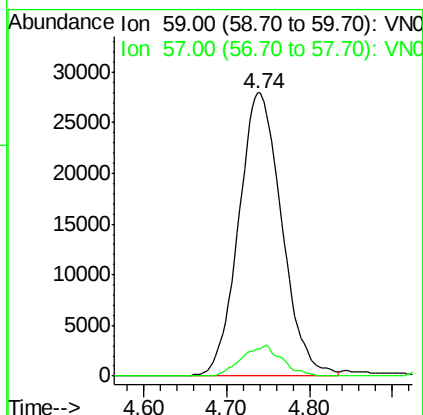
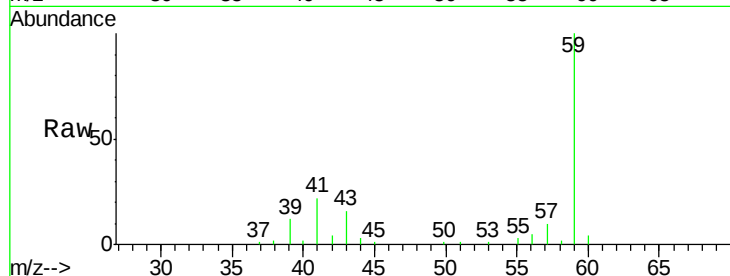


#11

Tert butyl alcohol
 Concen: 209.984 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

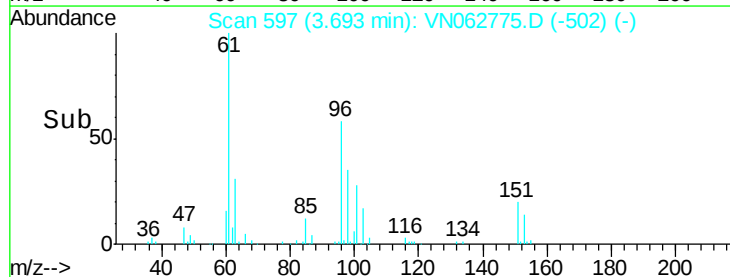
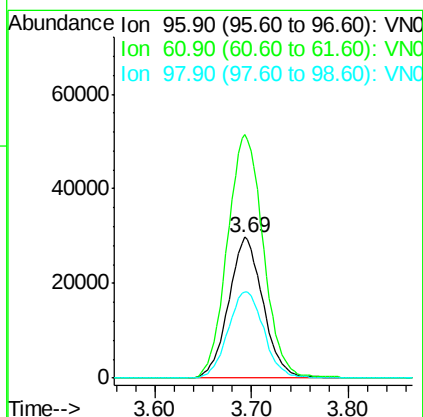
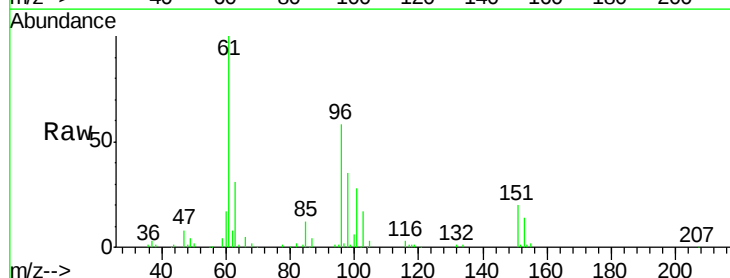
Tot Ion: 59 Resp: 101160
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

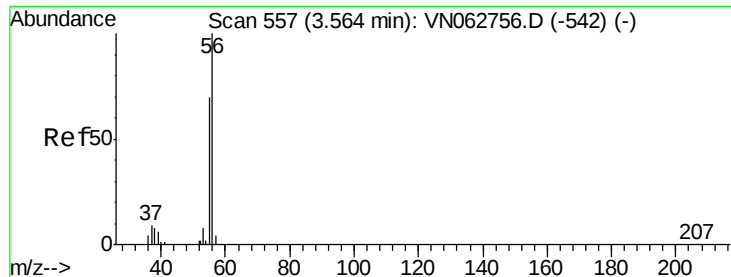


#12

1,1-Dichloroethene
 Concen: 48.560 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 96 Resp: 73557
 Ion Ratio Lower Upper
 96 100
 61 172.9 139.0 208.6
 98 61.3 50.2 75.4





#13

Acrolein

Concen: 209.274 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

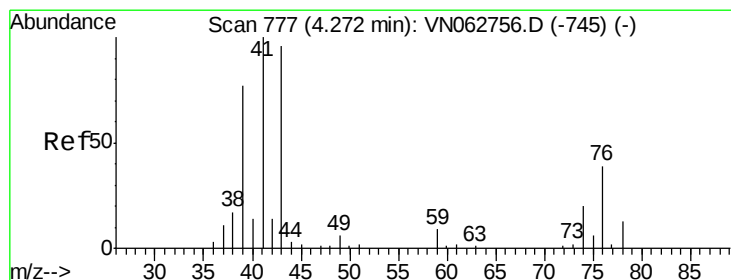
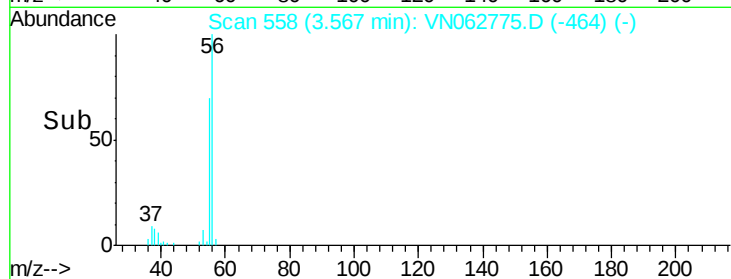
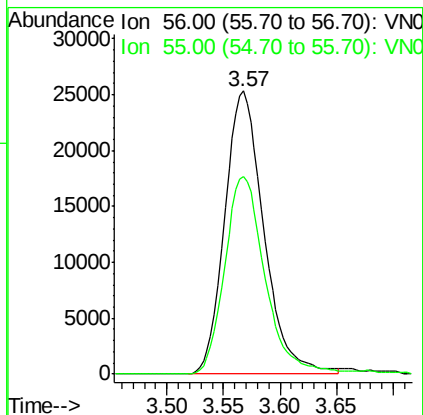
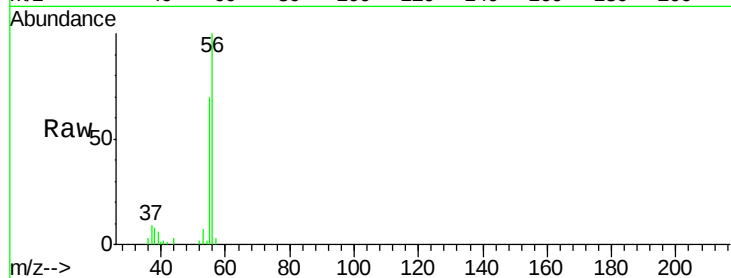
VSTDCCC050EC

Tot Ion: 56 Resp: 61042

Ion Ratio Lower Upper

56 100

55 71.8 57.0 85.6



#14

Allyl chloride

Concen: 46.306 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

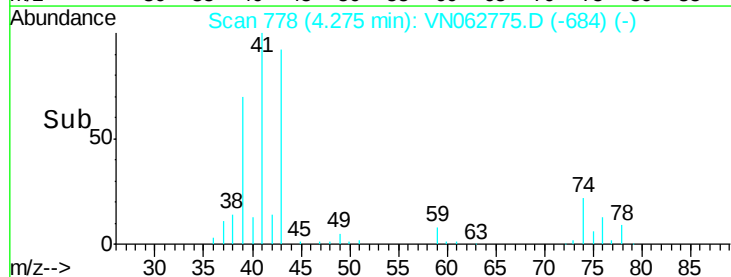
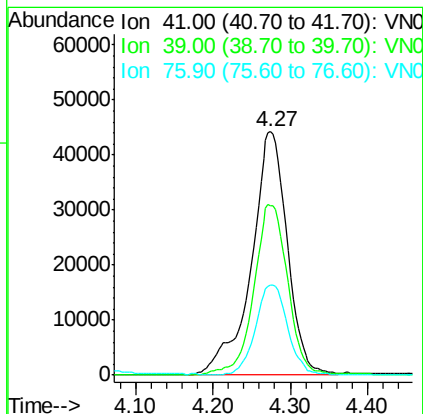
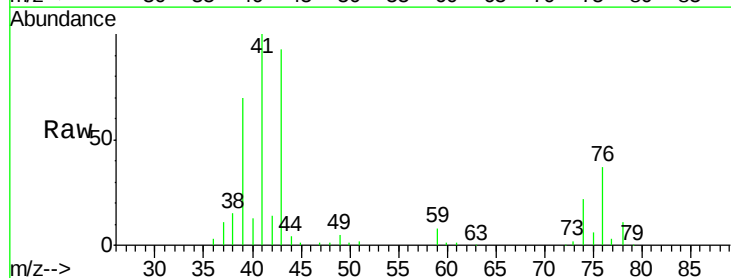
Tgt Ion: 41 Resp: 144101

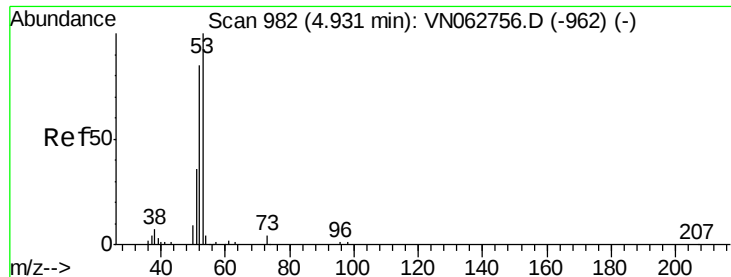
Ion Ratio Lower Upper

41 100

39 65.4 55.7 83.5

76 32.9 27.5 41.3





#15

Acrylonitrile

Concen: 238.425 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

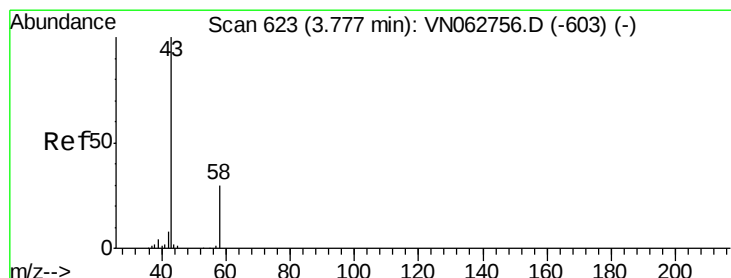
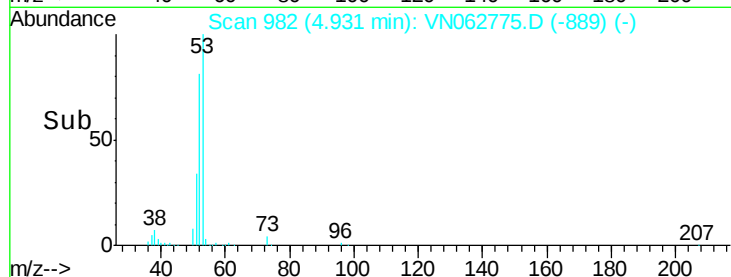
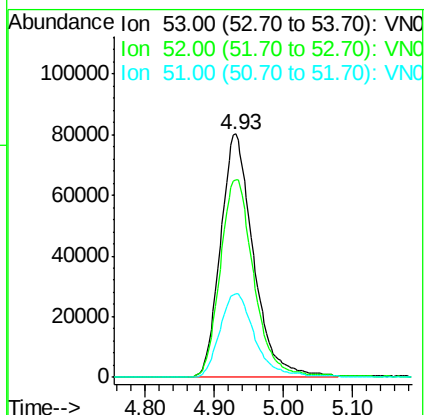
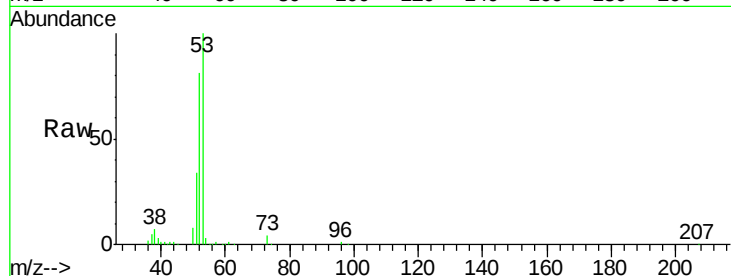
Tot Ion: 53 Resp: 266409

Ion Ratio Lower Upper

53 100

52 82.2 66.8 100.2

51 36.3 29.5 44.3



#16

Acetone

Concen: 210.103 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN062775.D

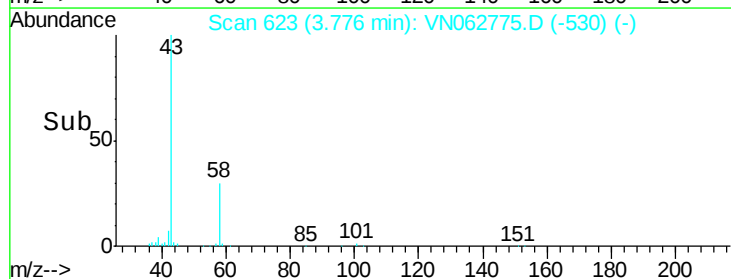
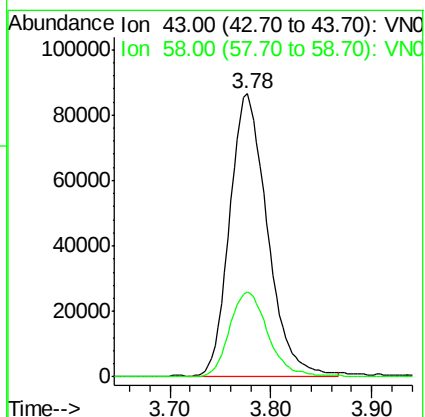
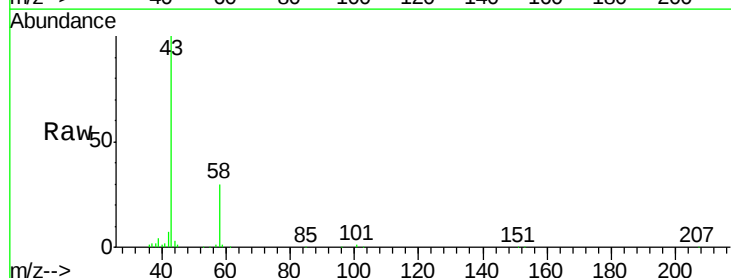
Acq: 6 Aug 2020 18:44

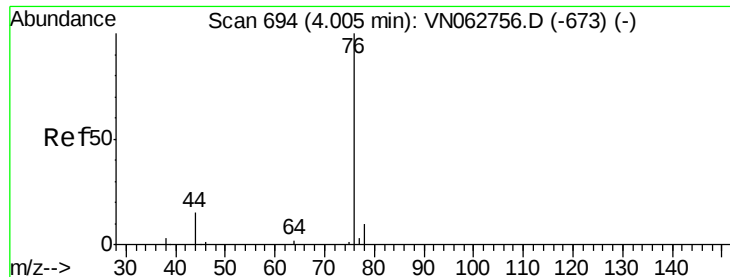
Tgt Ion: 43 Resp: 223150

Ion Ratio Lower Upper

43 100

58 30.1 24.1 36.1

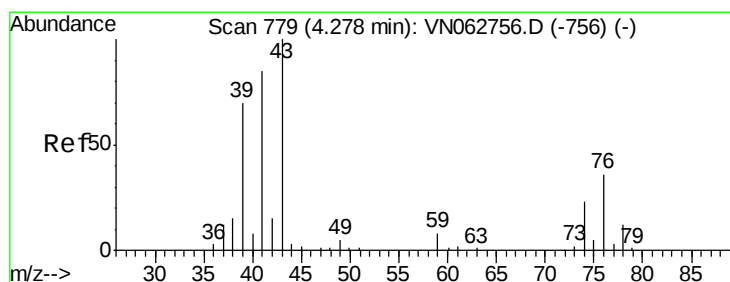
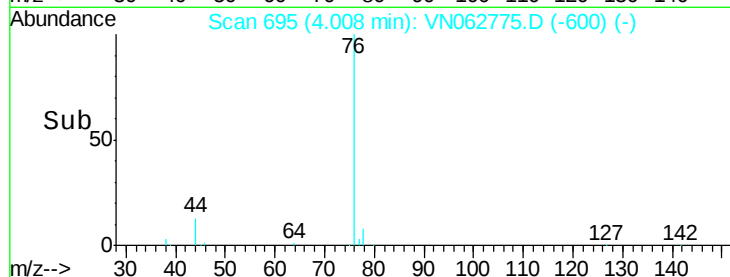
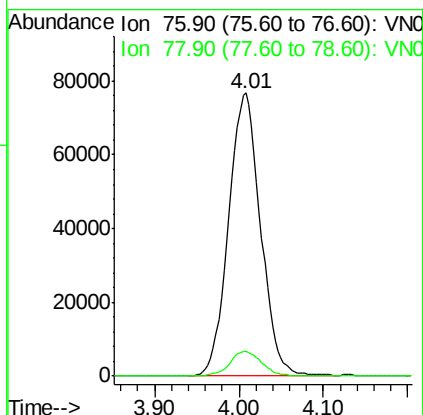
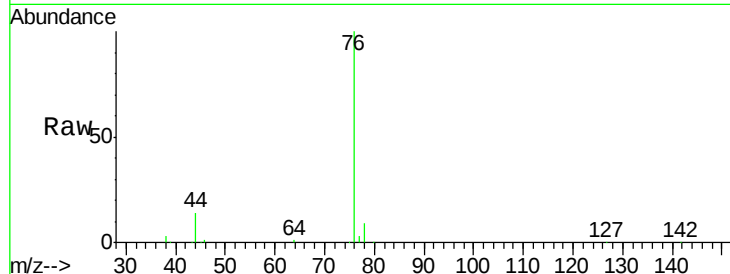




#17
Carbon Disulfide
Concen: 47.057 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

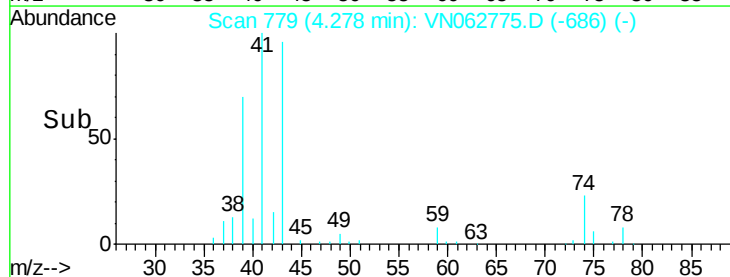
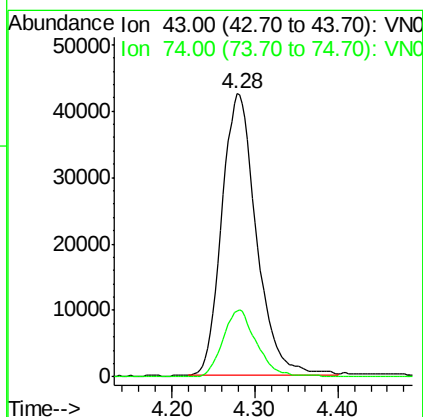
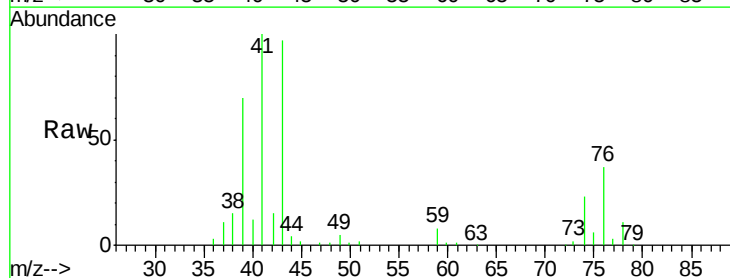
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

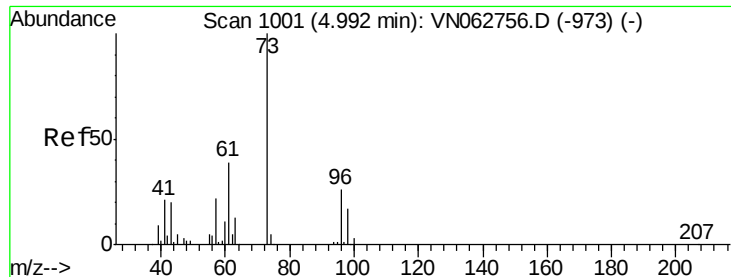
Tot Ion: 76 Resp: 202473
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5



#18
Methyl Acetate
Concen: 48.916 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 43 Resp: 122941
Ion Ratio Lower Upper
43 100
74 22.9 18.6 28.0

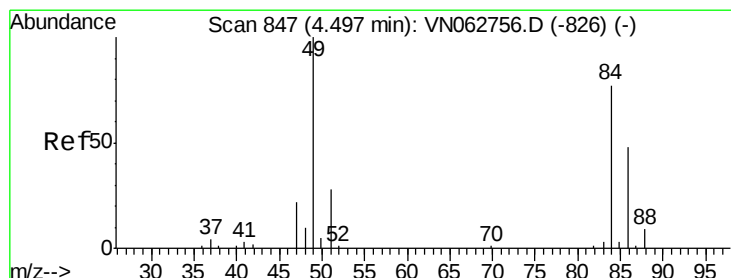
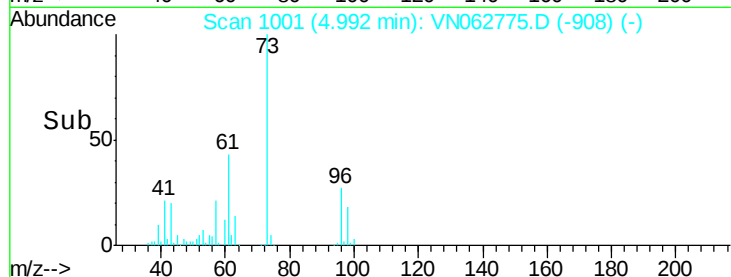
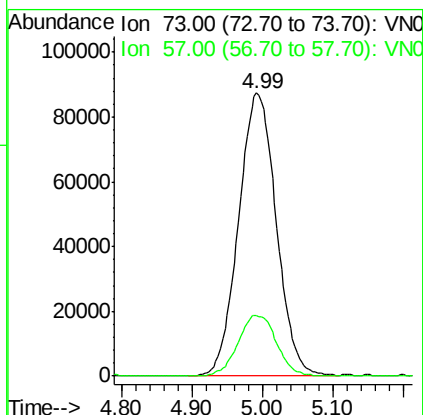
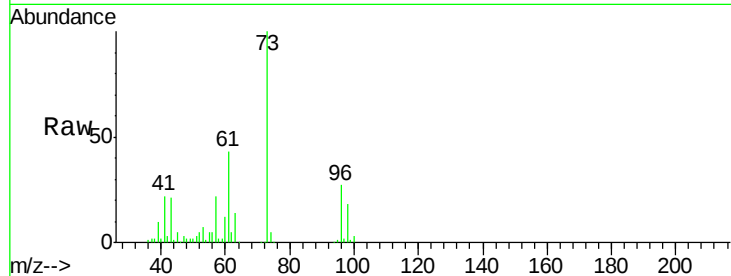




#19
Methvl tert-butvl Ether
Concen: 47.365 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

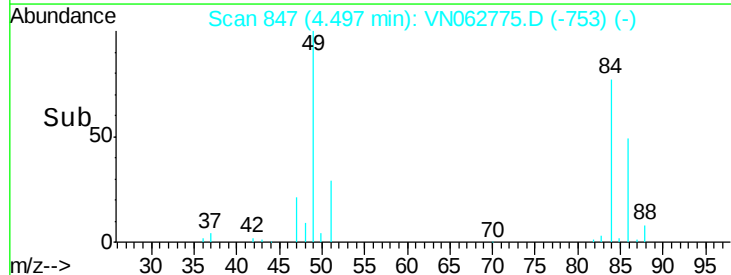
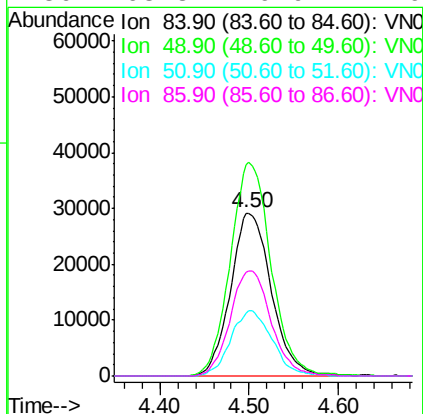
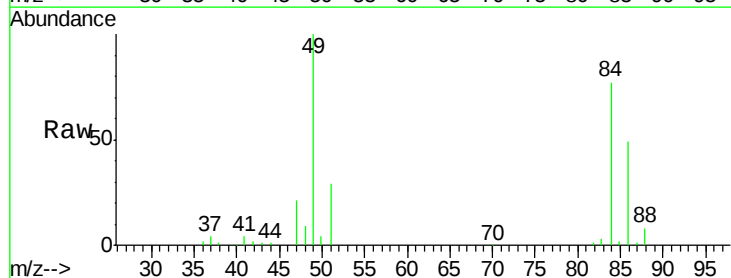
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

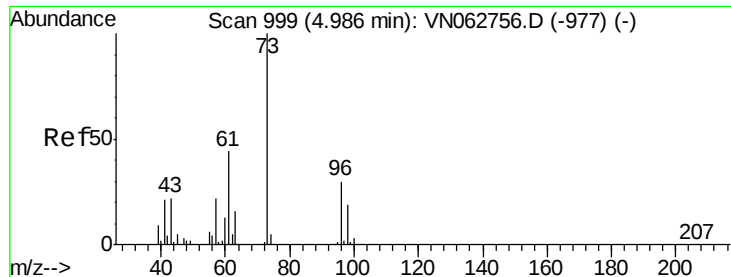
Tot Ion: 73 Resp: 326180
Ion Ratio Lower Upper
73 100
57 21.5 17.5 26.3



#20
Methylene Chloride
Concen: 47.475 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 84 Resp: 92351
Ion Ratio Lower Upper
84 100
49 129.6 103.4 155.2
51 38.2 29.3 43.9
86 63.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 44.810 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

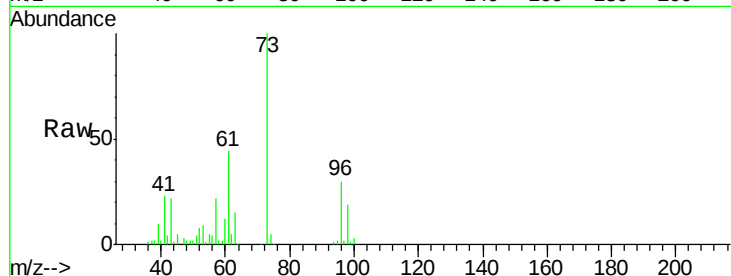
Tot Ion: 96 Resp: 79704

Ion Ratio Lower Upper

96 100

61 149.1 118.8 178.2

98 63.6 51.0 76.4

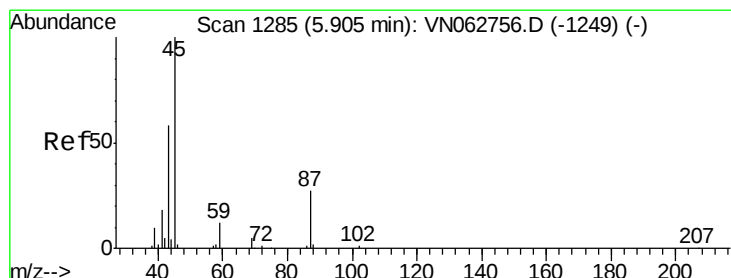
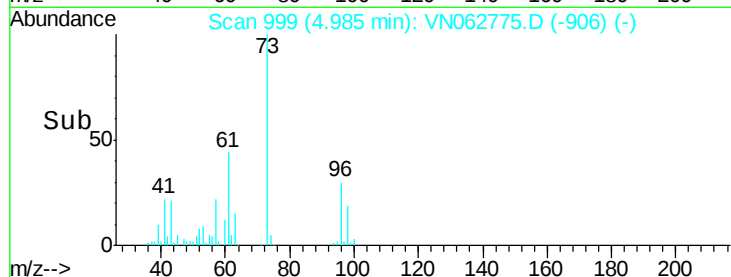
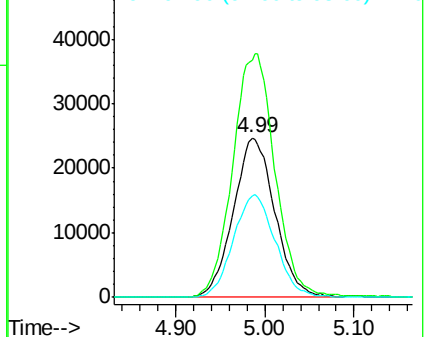


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.458 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Tgt Ion: 45 Resp: 334265

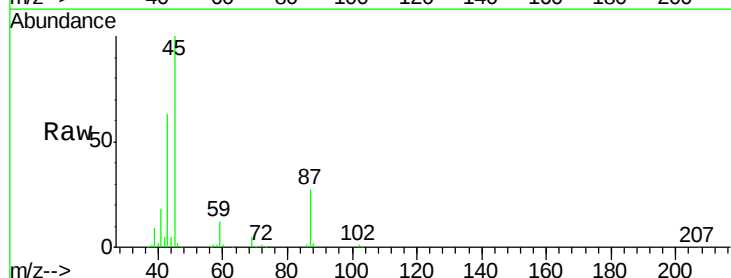
Ion Ratio Lower Upper

45 100

43 61.3 47.4 71.2

87 26.7 22.8 34.2

59 11.7 9.9 14.9



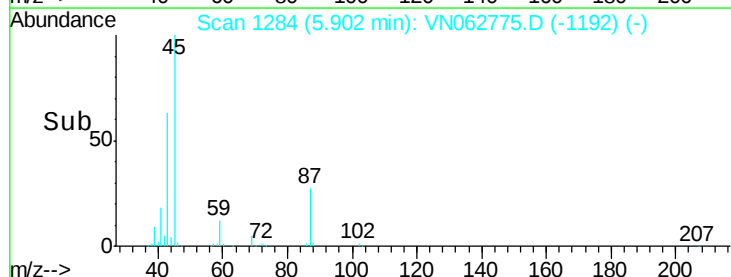
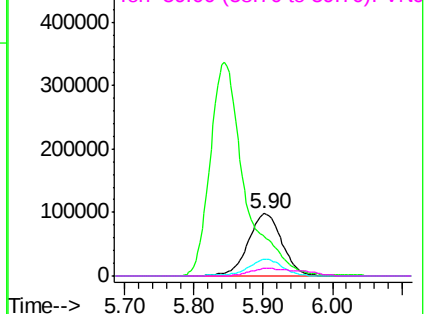
Abundance

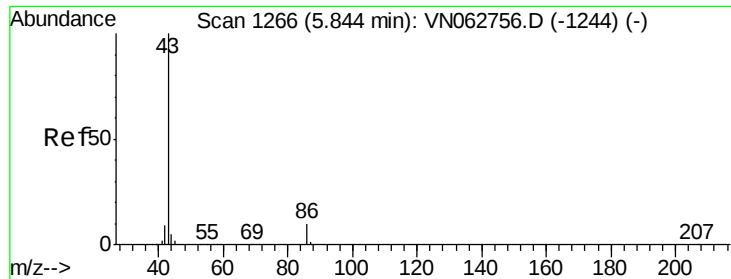
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

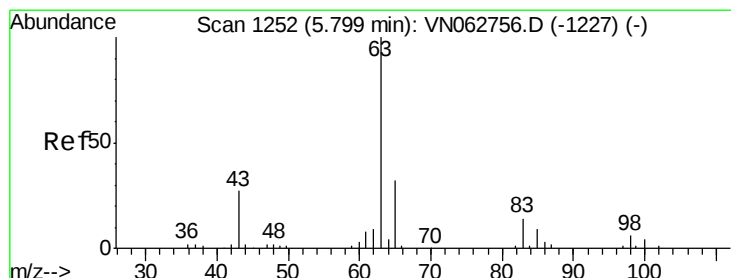
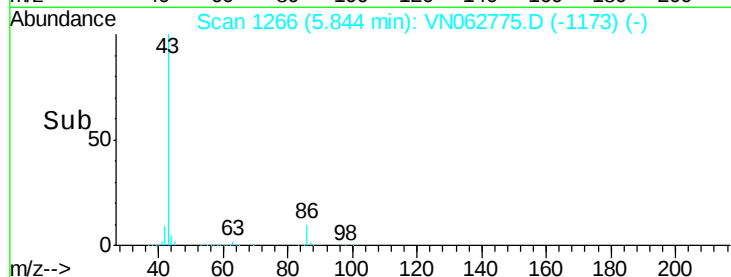
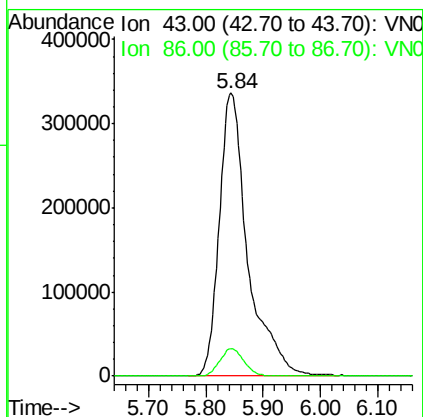
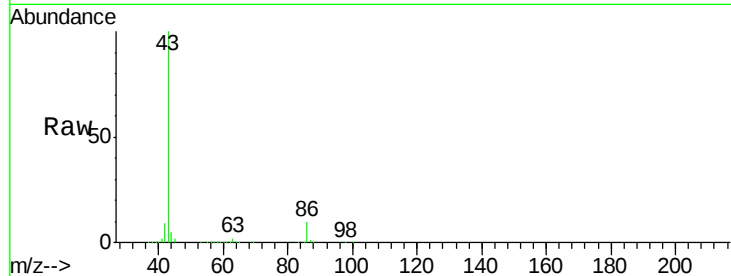




#23
 Vinyl Acetate
 Concen: 232.040 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

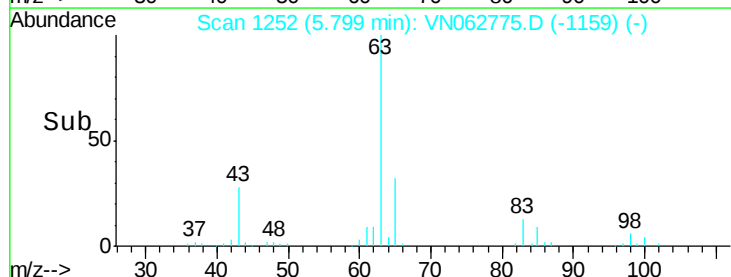
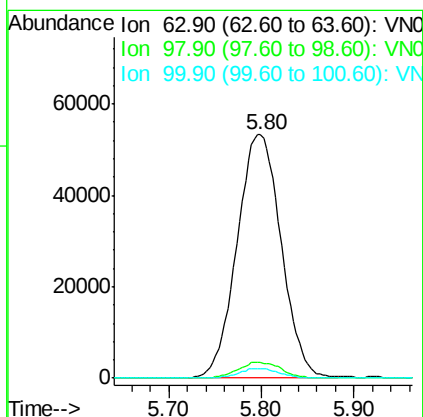
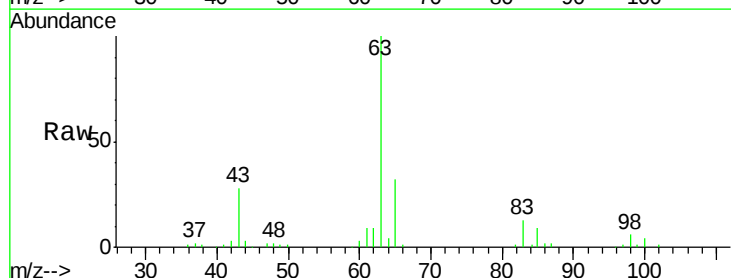
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

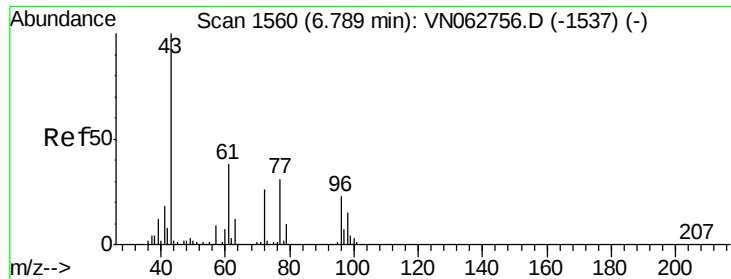
Tot Ion: 43 Resp: 1169216
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 45.286 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 63 Resp: 175810
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 232.218 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

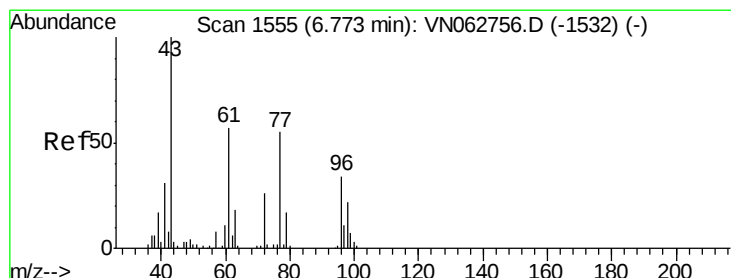
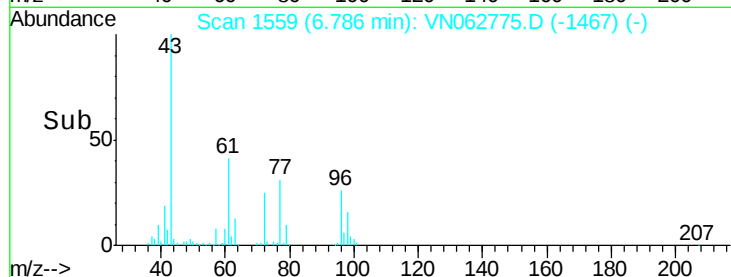
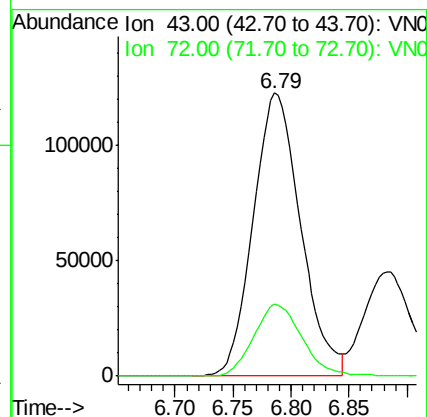
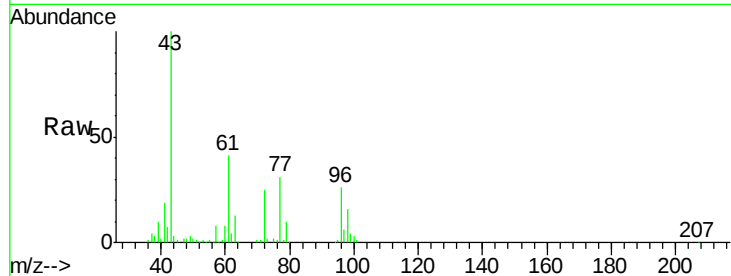
VSTDCCC050EC

Tot Ion: 43 Resp: 349315

Ion Ratio Lower Upper

43 100

72 25.3 21.1 31.7



#26

2,2-Dichloropropane

Concen: 37.028 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062775.D

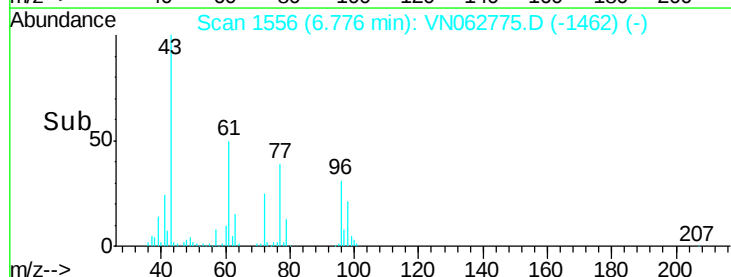
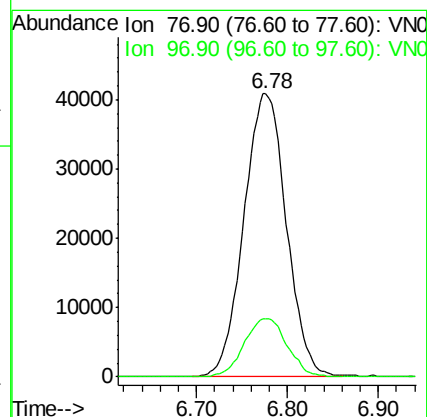
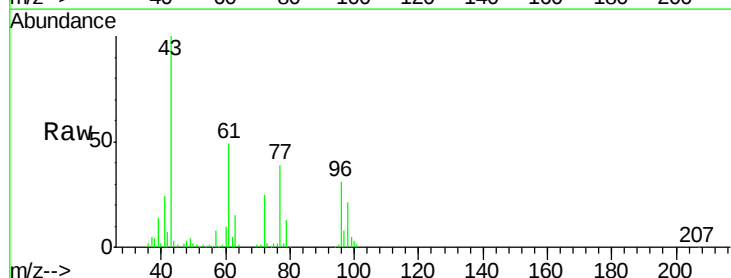
Acq: 6 Aug 2020 18:44

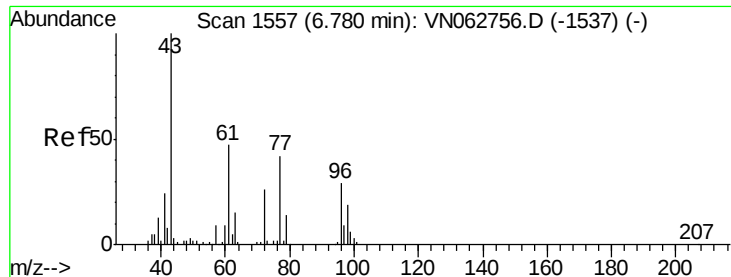
Tgt Ion: 77 Resp: 132507

Ion Ratio Lower Upper

77 100

97 20.7 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 46.285 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

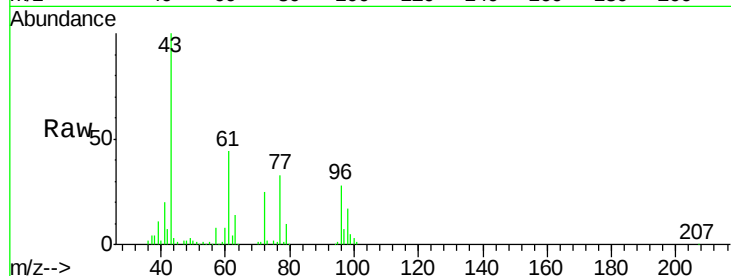
Tot Ion: 96 Resp: 98760

Ion Ratio Lower Upper

96 100

61 155.0 0.0 332.2

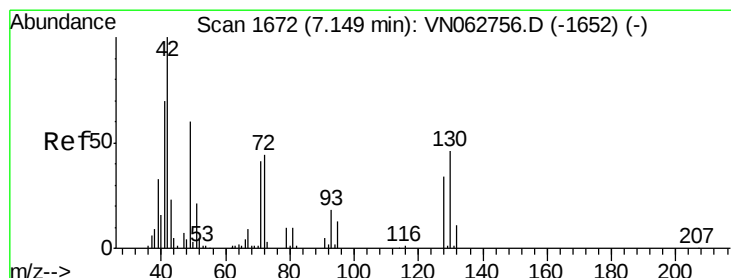
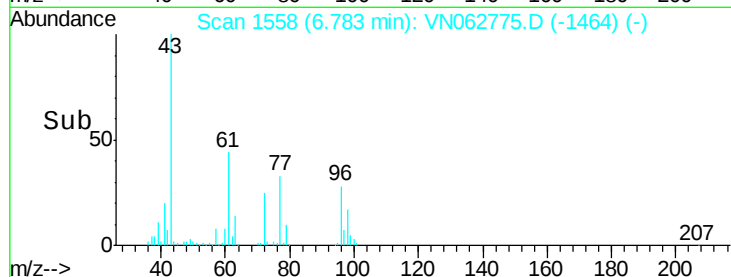
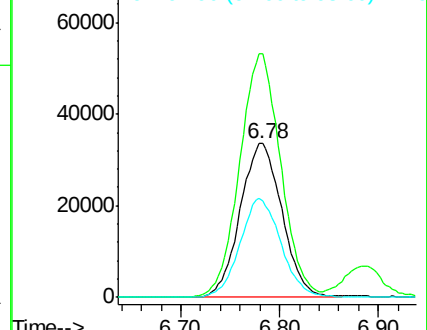
98 63.0 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062775.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN062775.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN062775.D (-1464) (-)



#28

Bromochloromethane

Concen: 48.182 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

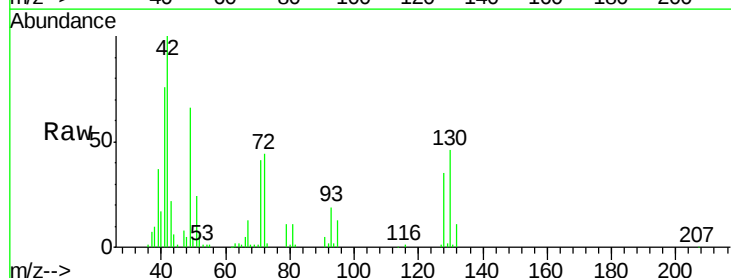
Tgt Ion: 49 Resp: 90276

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

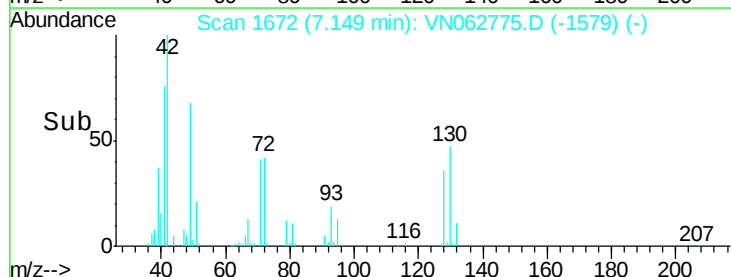
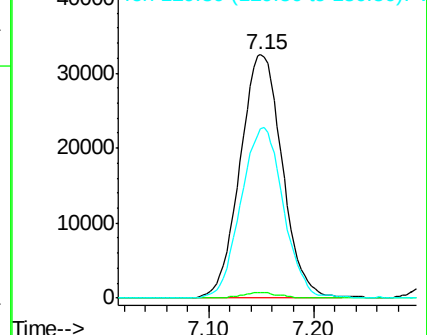
130 70.6 59.0 88.6

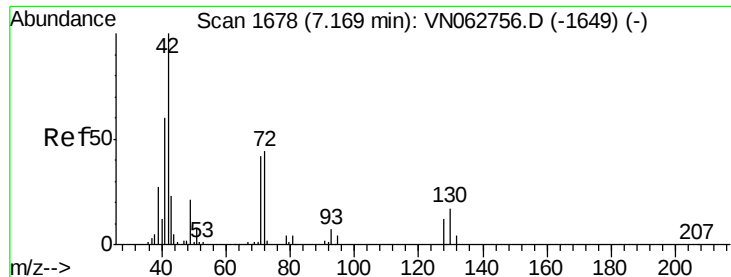


Abundance Ion 48.90 (48.60 to 49.60): VN062775.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062775.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062775.D (-1579) (-)

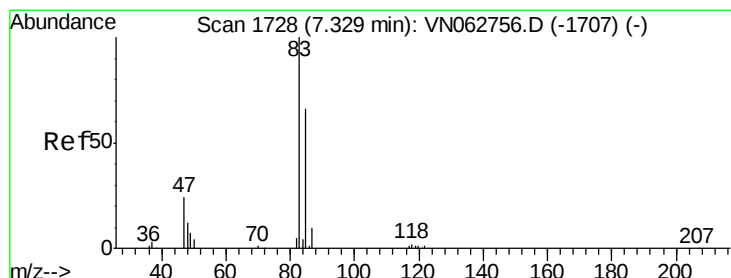
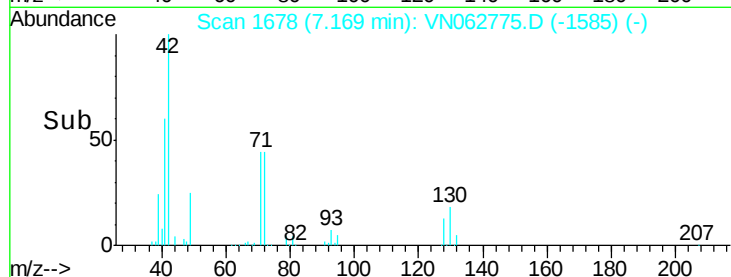
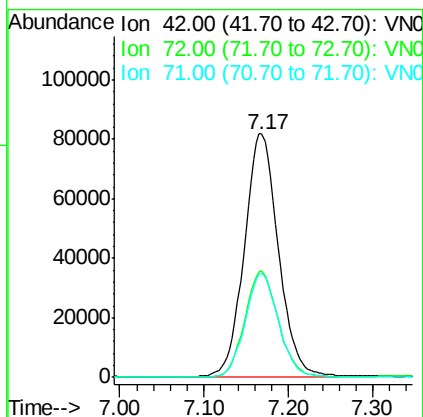
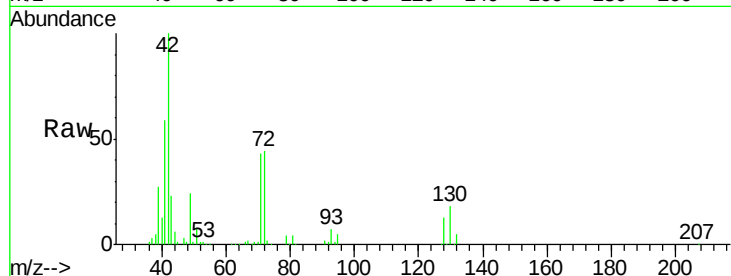




#29
Tetrahydrofuran
Concen: 236.251 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

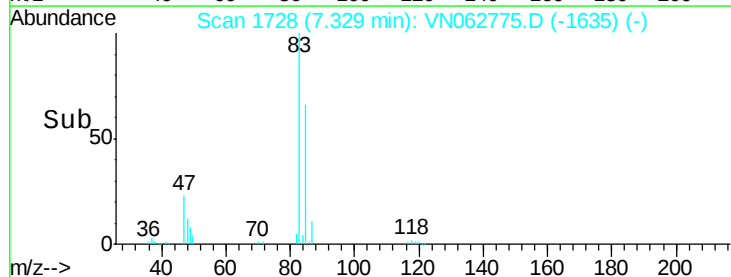
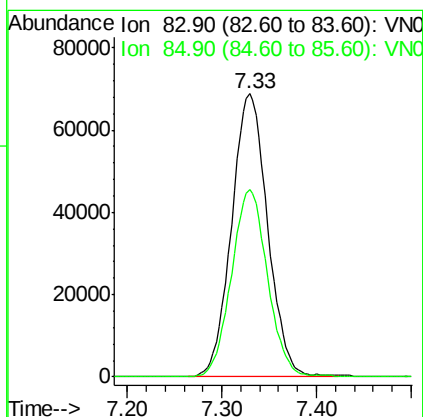
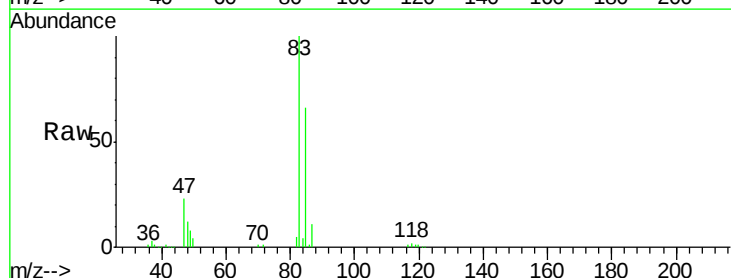
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

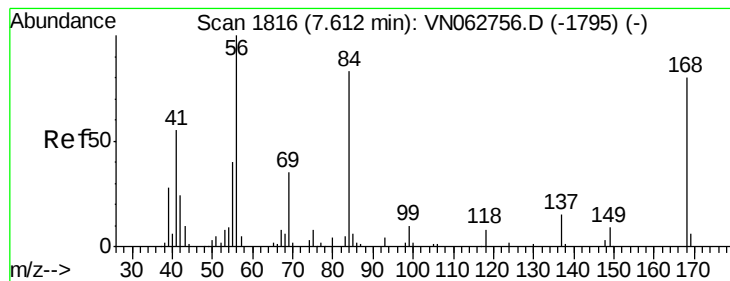
Tot Ion: 42 Resp: 230880
Ion Ratio Lower Upper
42 100
72 43.1 35.0 52.4
71 41.4 33.2 49.8



#30
Chloroform
Concen: 44.161 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 83 Resp: 182197
Ion Ratio Lower Upper
83 100
85 66.2 52.7 79.1





#31

Cyclohexane

Concen: 47.336 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

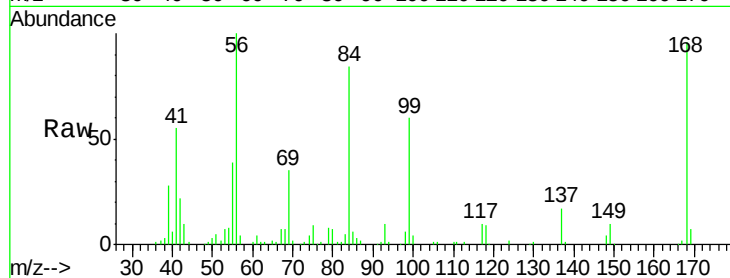
Tot Ion: 56 Resp: 168692

Ion Ratio Lower Upper

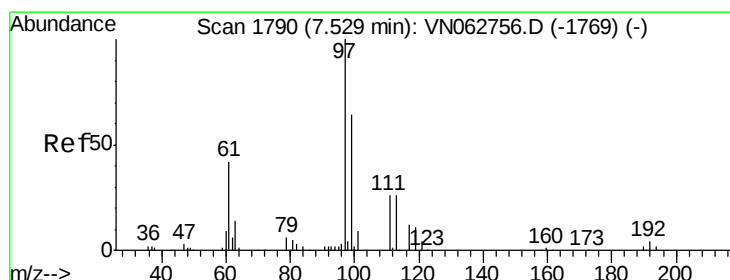
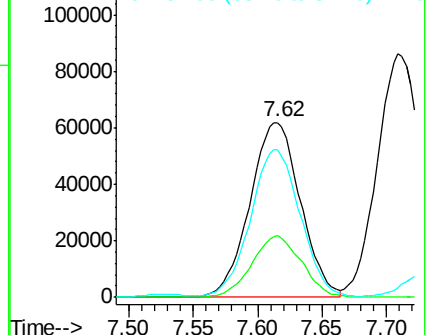
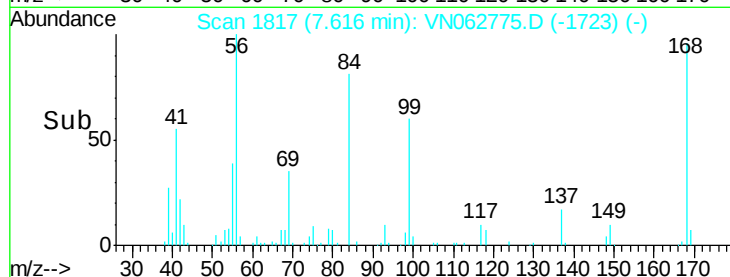
56 100

69 35.0 28.1 42.1

84 83.4 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VN062775.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 44.061 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

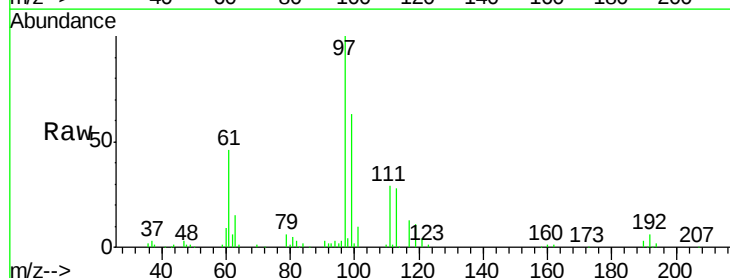
Tgt Ion: 97 Resp: 162531

Ion Ratio Lower Upper

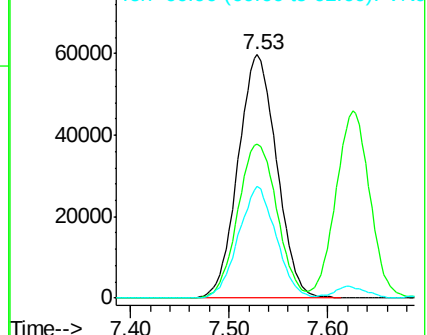
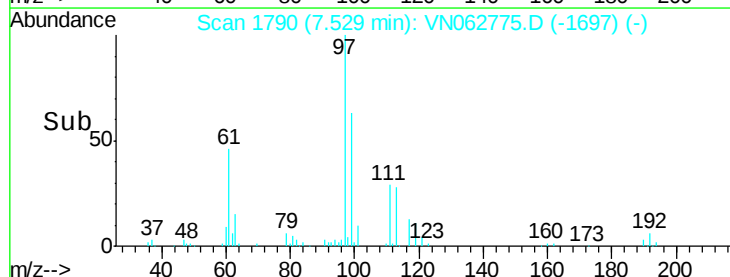
97 100

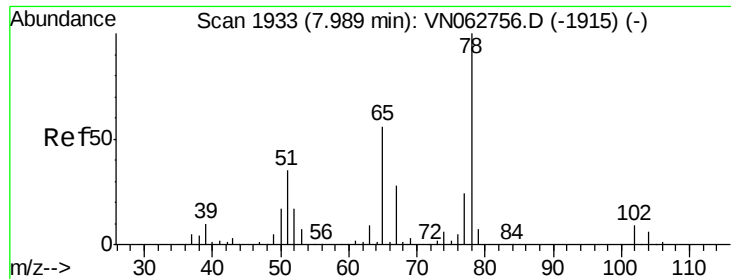
99 64.3 50.0 75.0

61 44.7 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VN062775.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 46.986 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

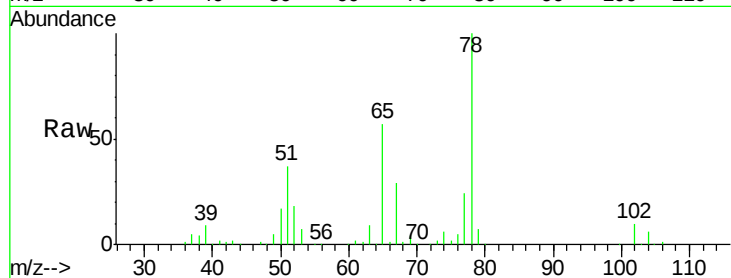
VSTDCCC050EC

Tot Ion: 65 Resp: 138109

Ion Ratio Lower Upper

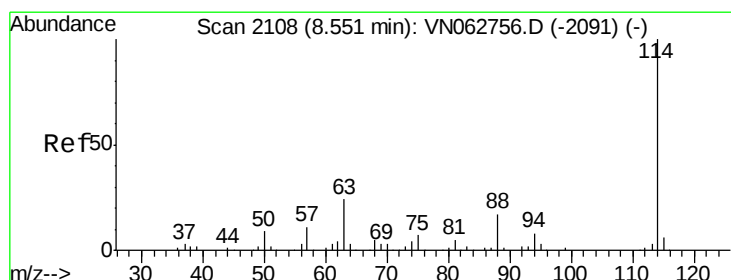
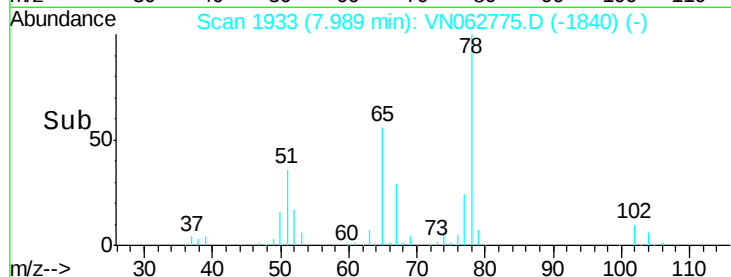
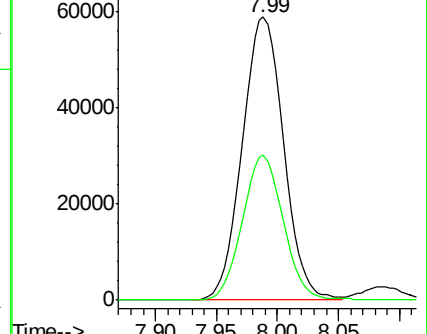
65 100

67 50.5 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062775.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062775.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

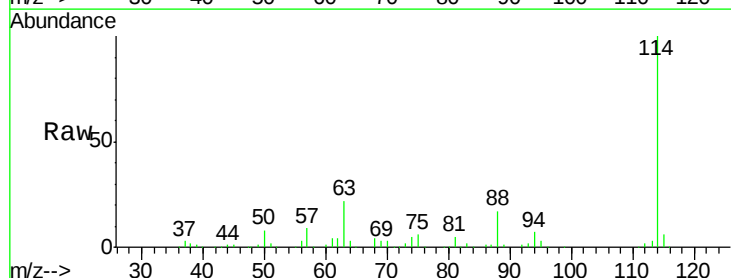
Tgt Ion: 114 Resp: 286398

Ion Ratio Lower Upper

114 100

63 21.8 0.0 47.6

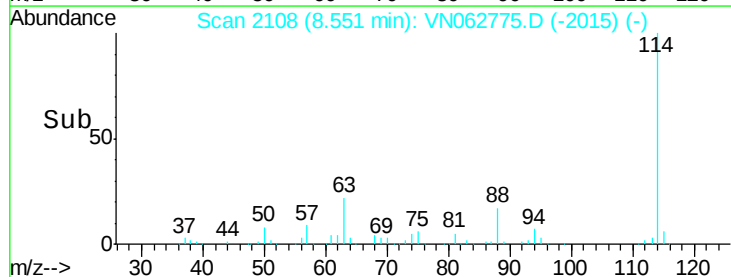
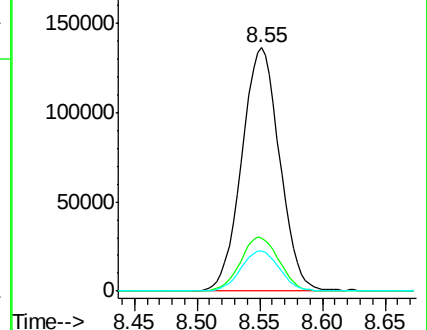
88 16.7 0.0 34.4

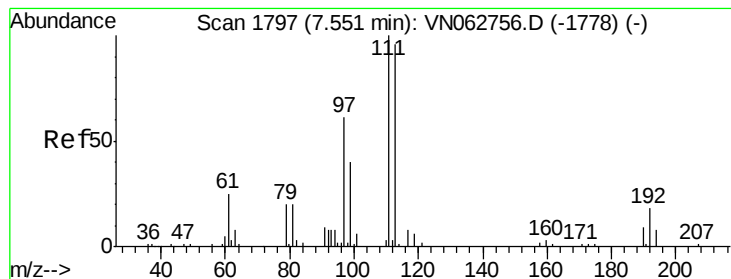


Abundance Ion 113.90 (113.60 to 114.60): VN062775.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062775.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062775.D (-2015) (-)





#35

Dibromofluoromethane

Concen: 48.389 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

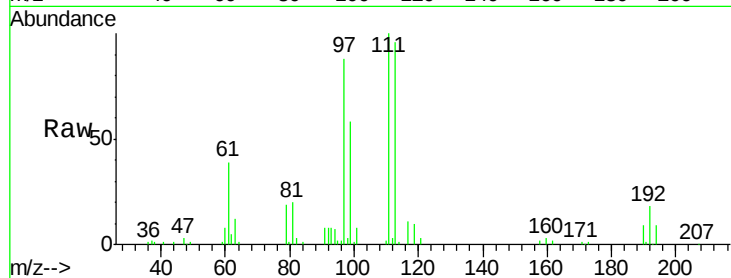
Tot Ion:113 Resp: 94801

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.6

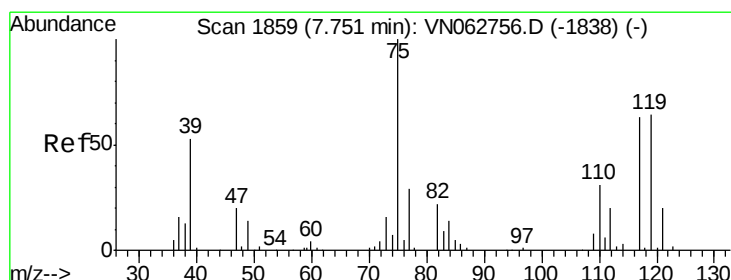
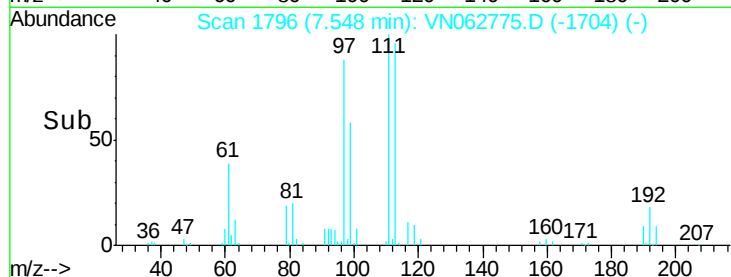
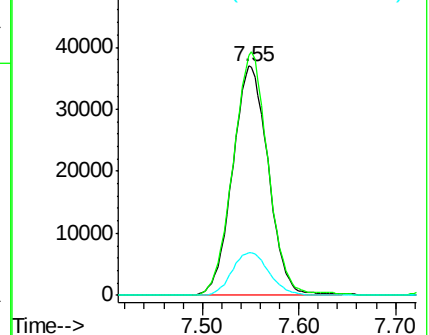
192 19.1 15.0 22.4



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: 45.413 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

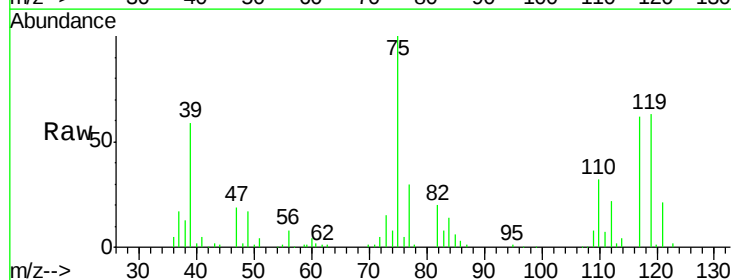
Tgt Ion: 75 Resp: 126642

Ion Ratio Lower Upper

75 100

110 32.1 15.6 46.7

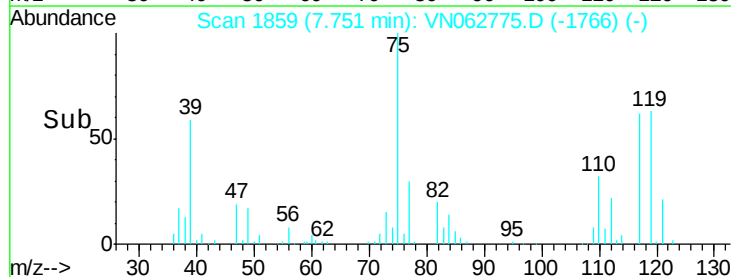
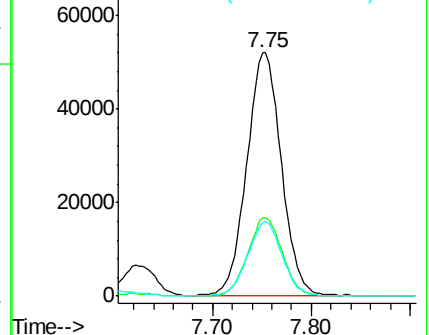
77 30.3 24.1 36.1

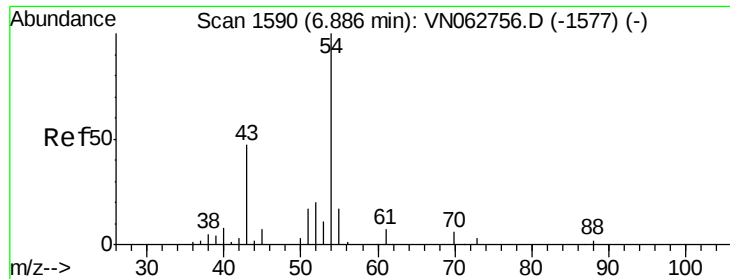


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

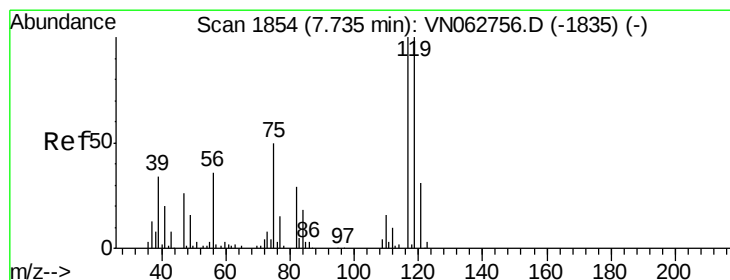
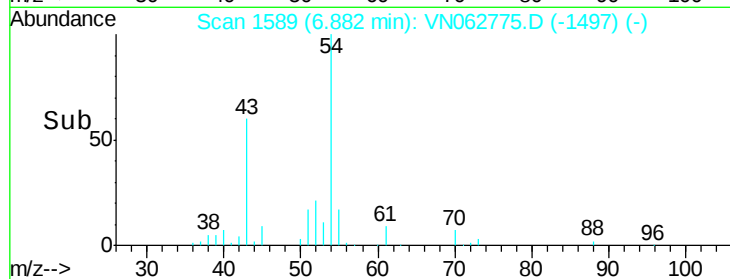
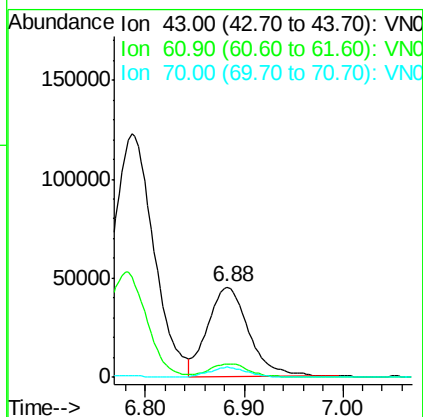
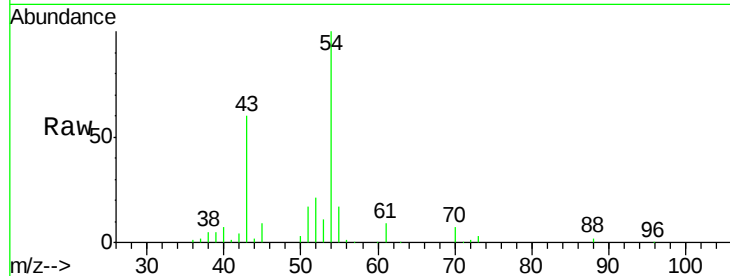




#37
Ethyl Acetate
Concen: 45.056 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

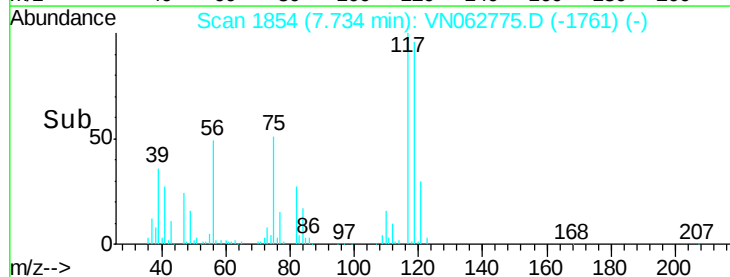
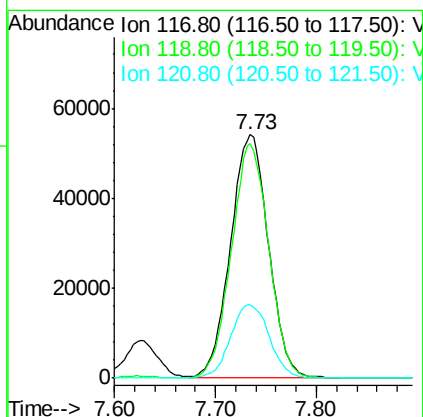
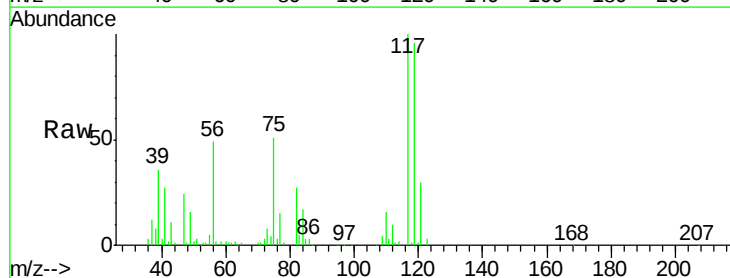
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

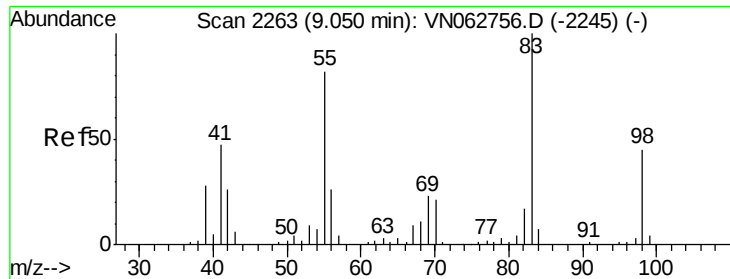
Tot Ion: 43 Resp: 131251
Ion Ratio Lower Upper
43 100
61 15.0 12.1 18.1
70 10.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 43.026 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 117 Resp: 141908
Ion Ratio Lower Upper
117 100
119 96.2 79.4 119.2
121 30.2 24.9 37.3

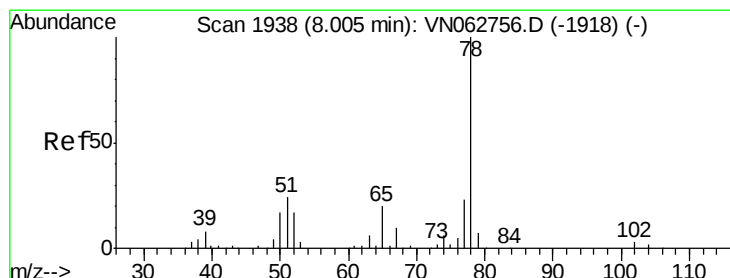
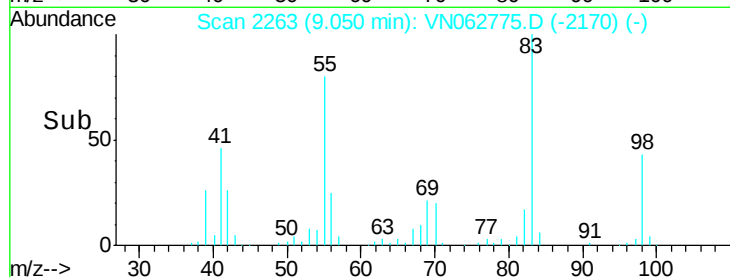
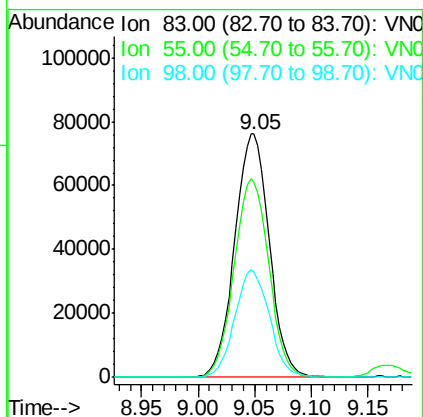
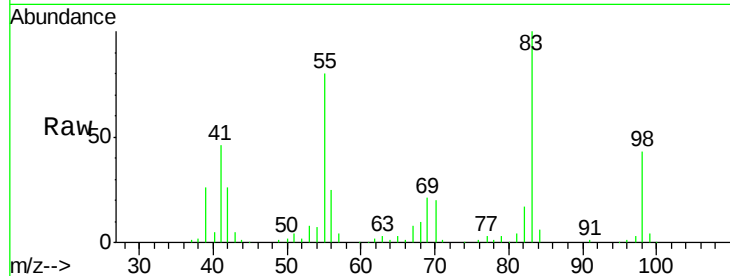




#39
Methvlcvclohexane
Concen: 48.313 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

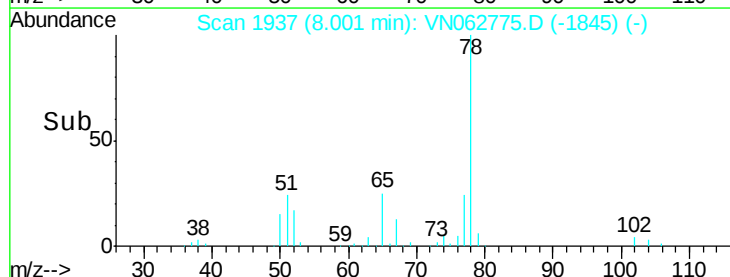
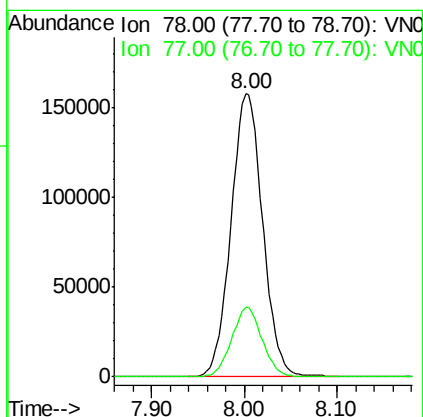
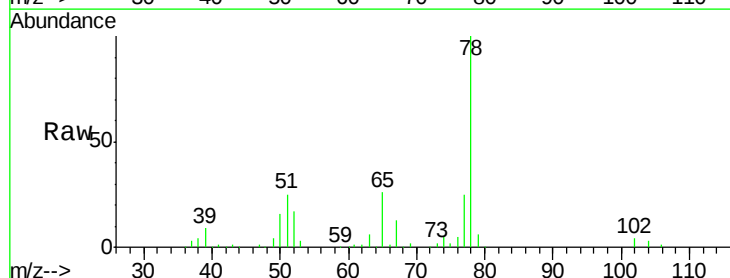
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

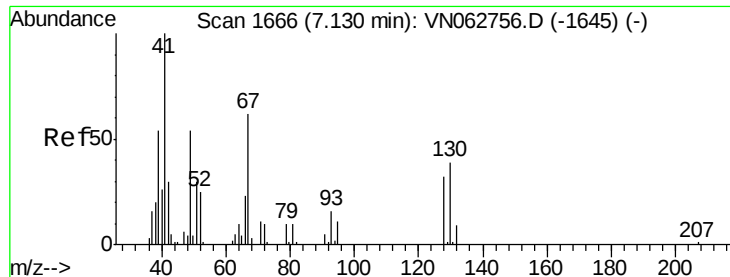
Tot Ion: 83 Resp: 162140
Ion Ratio Lower Upper
83 100
55 80.2 65.7 98.5
98 43.2 35.6 53.4



#40
Benzene
Concen: 44.829 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 78 Resp: 373044
Ion Ratio Lower Upper
78 100
77 24.5 18.1 27.1

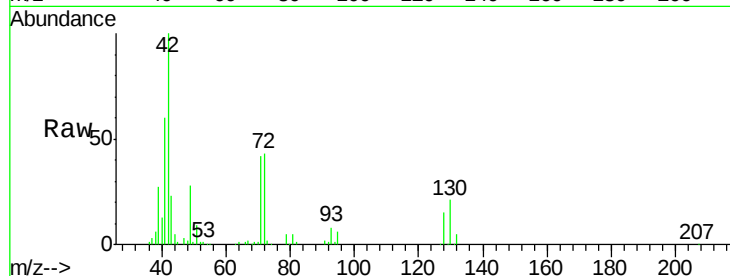




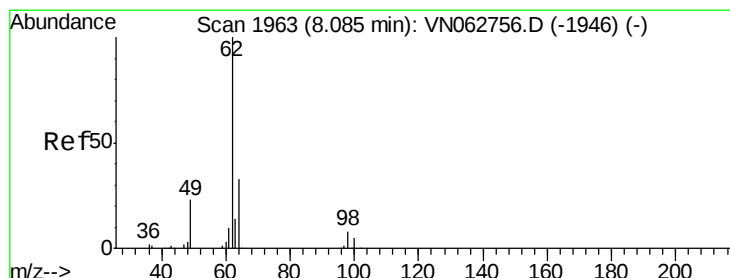
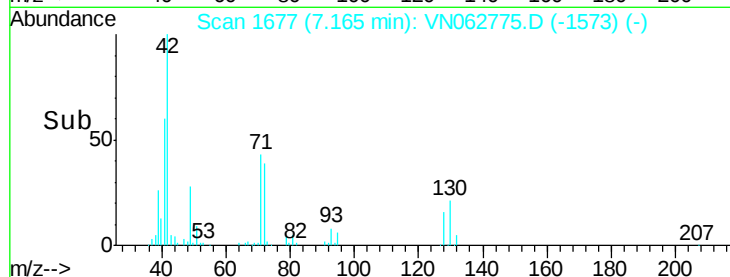
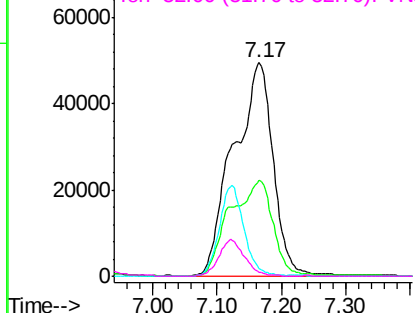
#41
Methacrylonitrile
Concen: 161.079 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 211738
Ion Ratio Lower Upper
41 100
39 48.5 69.4 104.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

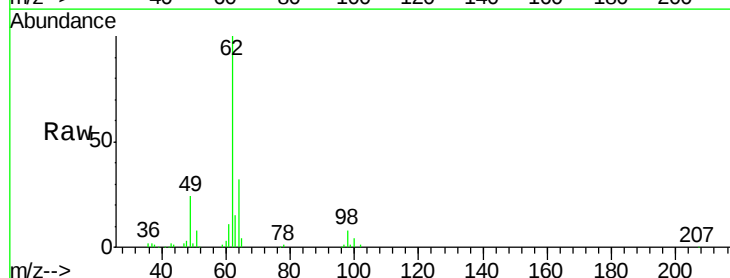


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

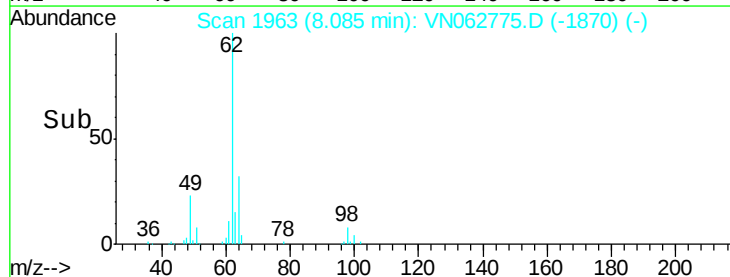
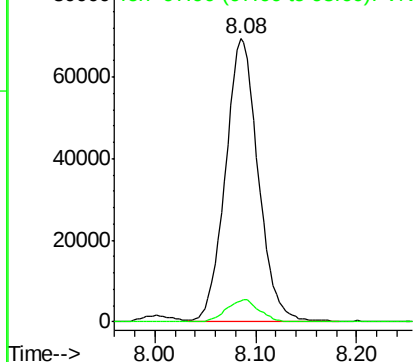


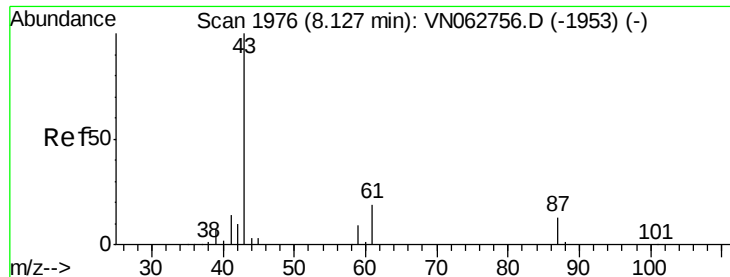
#42
1,2-Dichloroethane
Concen: 44.118 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 62 Resp: 156256
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 45.507 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

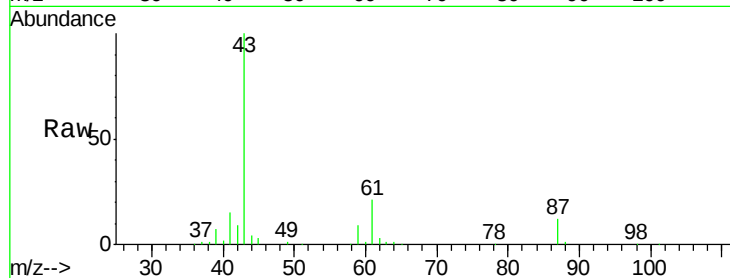
Tot Ion: 43 Resp: 221115

Ion Ratio Lower Upper

43 100

61 20.6 15.8 23.6

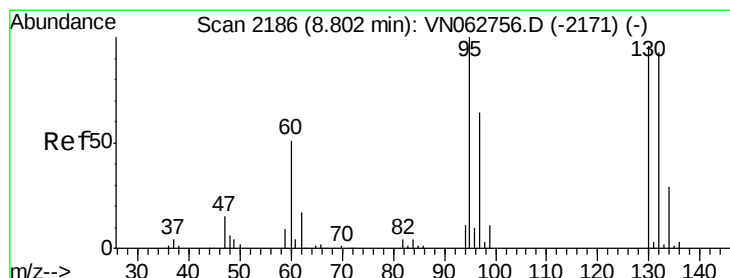
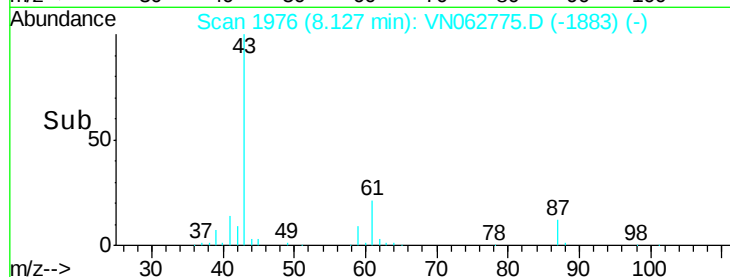
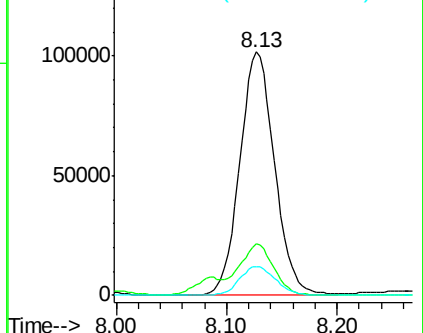
87 12.3 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062775.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062775.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062775.D (-1883) (-)



#44

Trichloroethene

Concen: 45.173 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062775.D

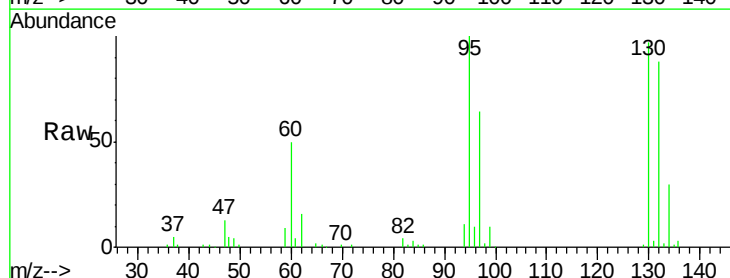
Acq: 6 Aug 2020 18:44

Tgt Ion: 130 Resp: 91583

Ion Ratio Lower Upper

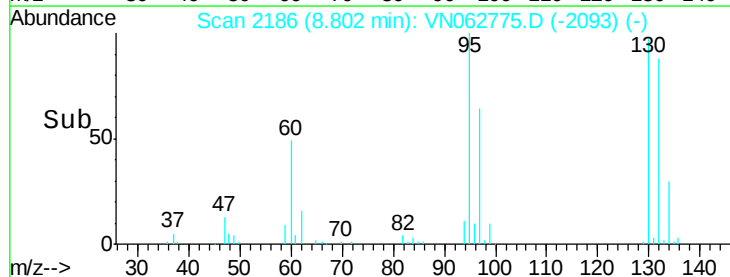
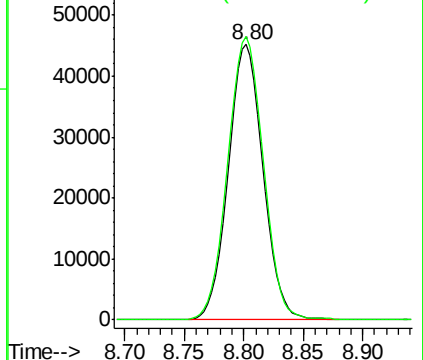
130 100

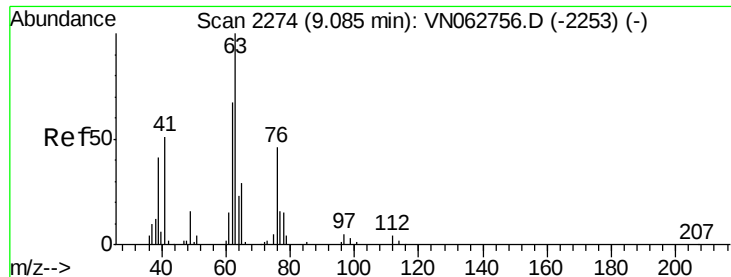
95 102.8 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062775.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062775.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 46.592 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

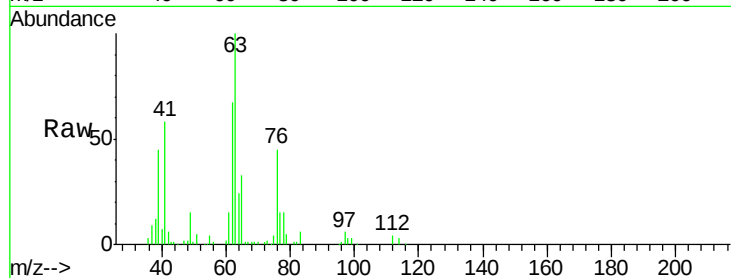
VSTDCCC050EC

Tot Ion: 63 Resp: 104936

Ion Ratio Lower Upper

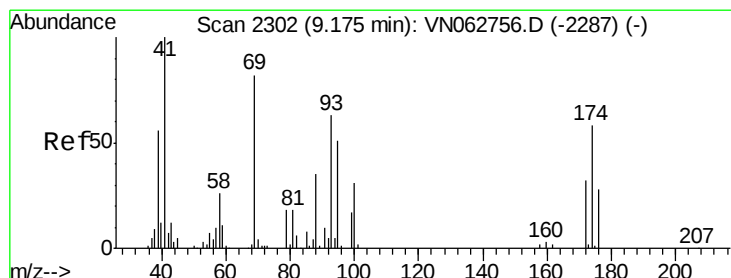
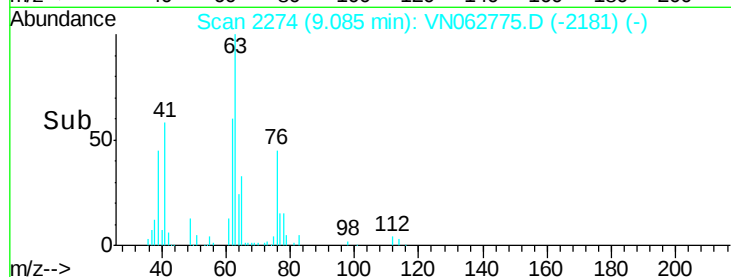
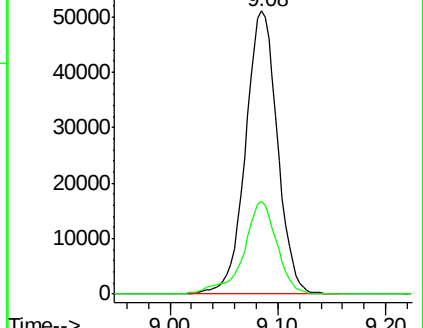
63 100

65 32.9 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VN062775.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062775.D (-2181) (-)



#46

Dibromomethane

Concen: 46.962 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

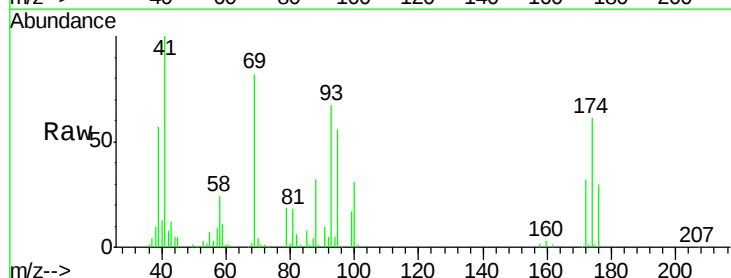
Tgt Ion: 93 Resp: 69301

Ion Ratio Lower Upper

93 100

95 82.0 65.1 97.7

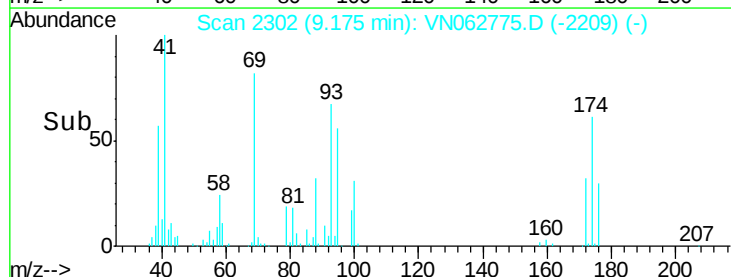
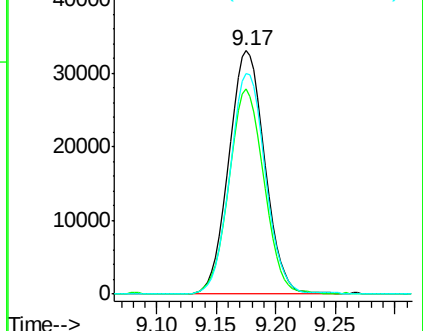
174 89.4 73.9 110.9

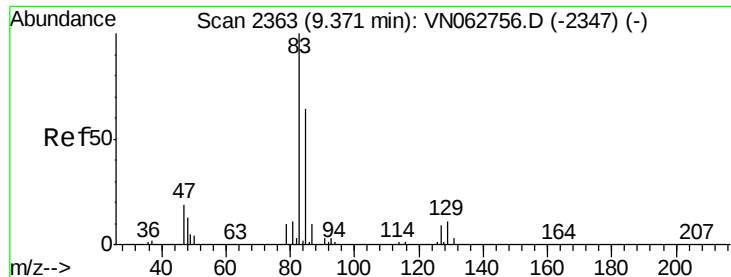


Abundance Ion 92.80 (92.50 to 93.50): VN062775.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN062775.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN062775.D (-2209) (-)





#47

Bromodichloromethane

Concen: 46.190 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

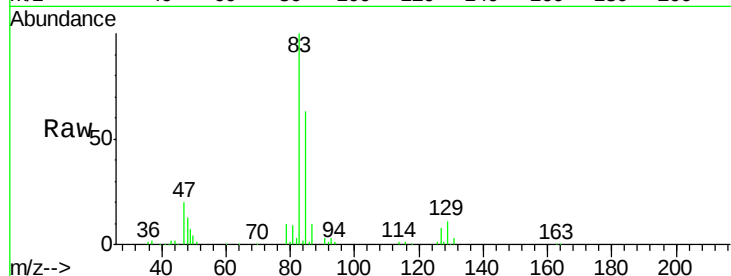
Tot Ion: 83 Resp: 153087

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.0

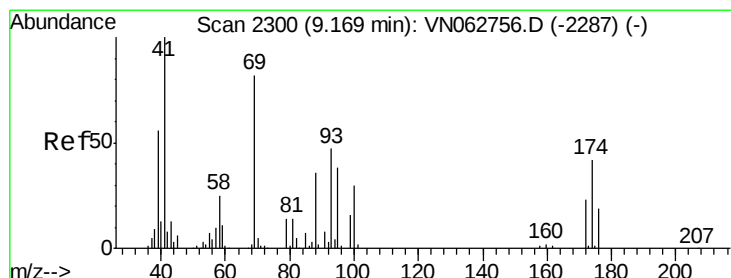
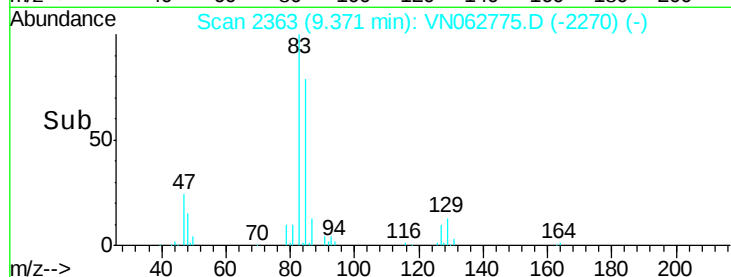
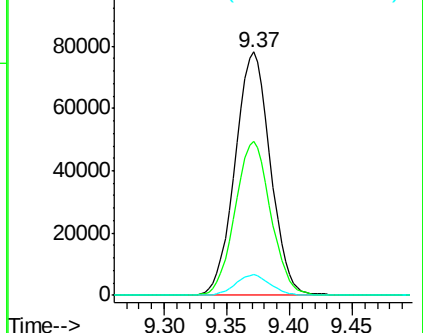
127 8.3 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062775.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062775.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062775.D (-2270) (-)



#48

Methyl methacrylate

Concen: 46.213 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

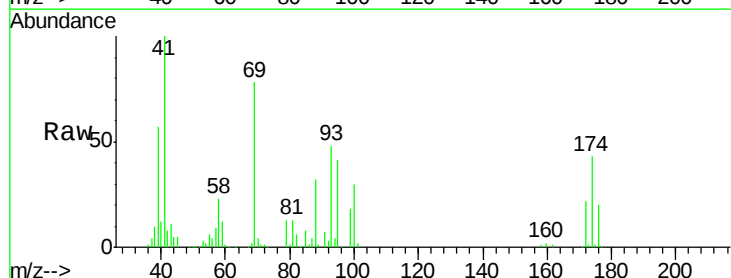
Tgt Ion: 41 Resp: 110445

Ion Ratio Lower Upper

41 100

69 84.9 67.4 101.2

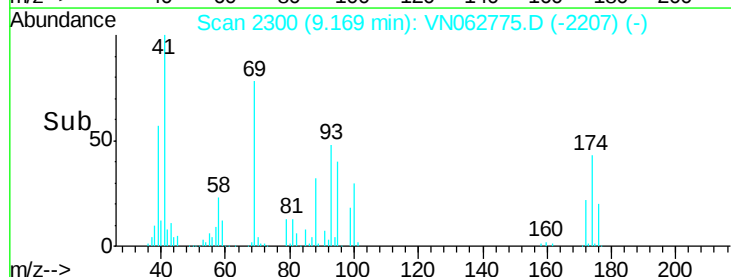
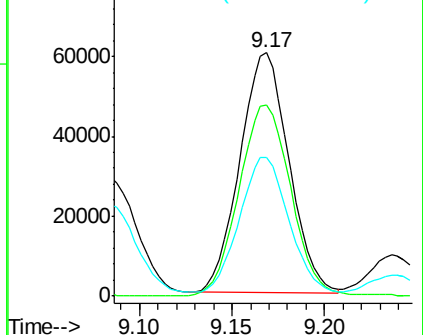
39 59.8 47.6 71.4

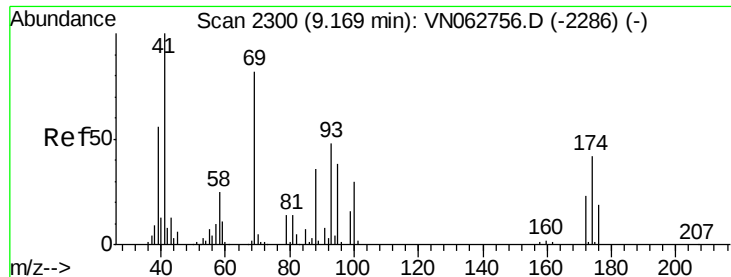


Abundance Ion 41.00 (40.70 to 41.70): VN062775.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062775.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062775.D (-2207) (-)

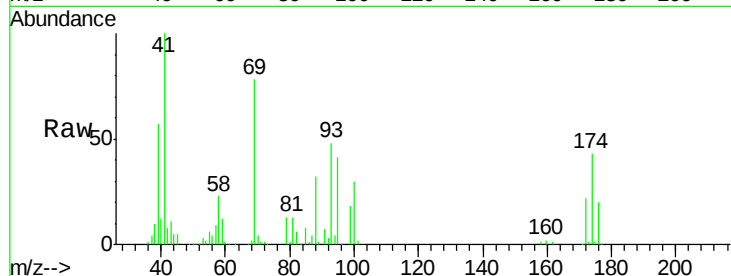




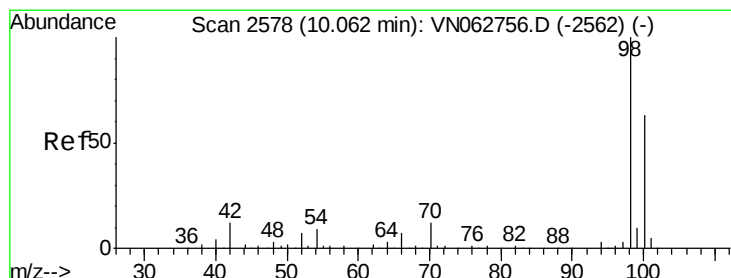
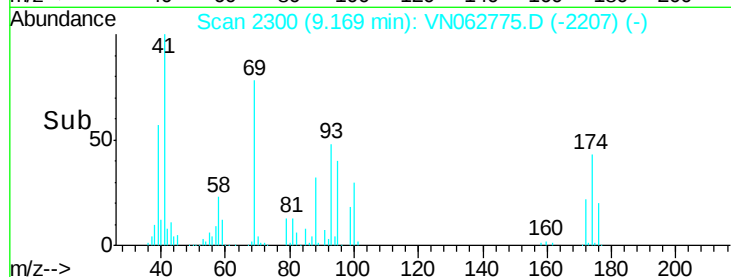
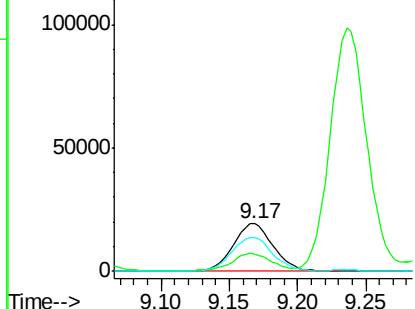
#49
 1,4-Dioxane
 Concen: 887.481 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 39301
 Ion Ratio Lower Upper
 88 100
 43 36.0 29.5 44.3
 58 73.4 59.8 89.8

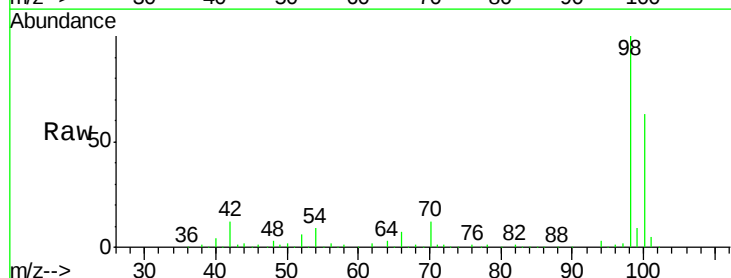


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

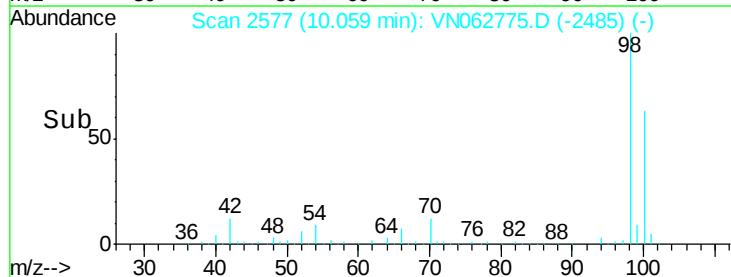
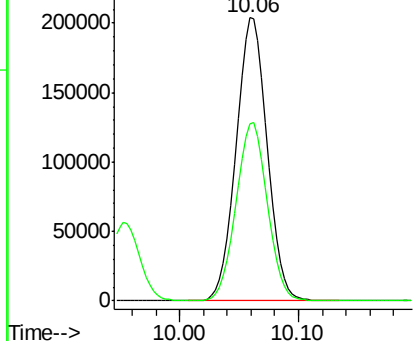


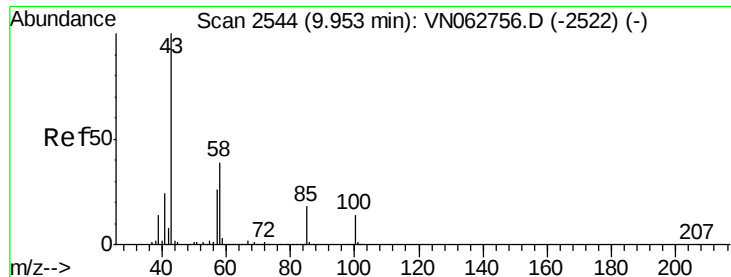
#50
 Toluene-d8
 Concen: 48.167 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 98 Resp: 368410
 Ion Ratio Lower Upper
 98 100
 100 63.3 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 236.021 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

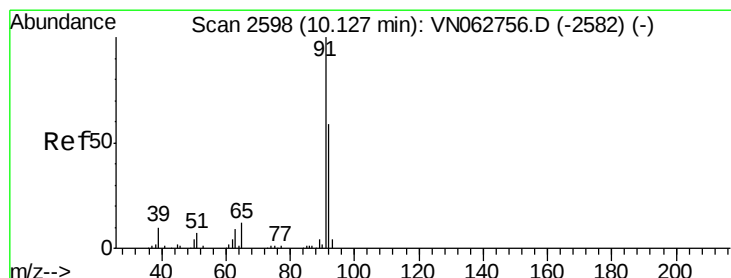
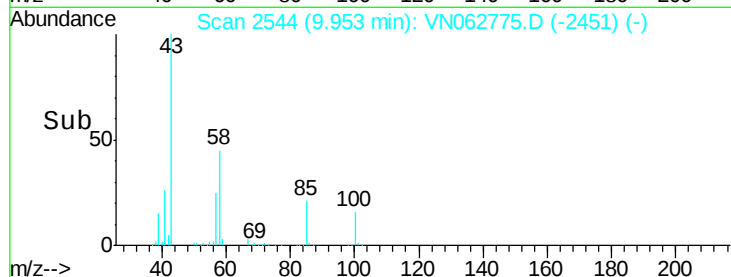
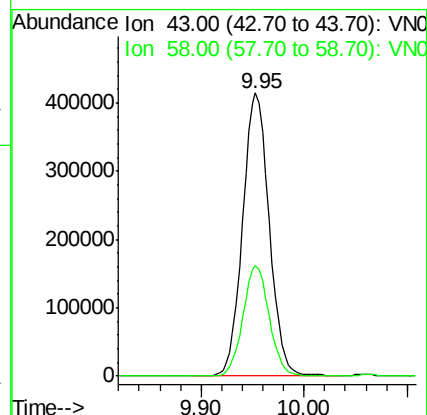
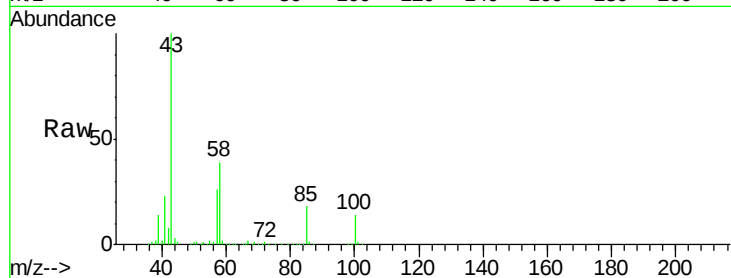
VSTDCCC050EC

Tot Ion: 43 Resp: 741997

Ion Ratio Lower Upper

43 100

58 38.6 31.1 46.7



#52

Toluene

Concen: 46.261 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062775.D

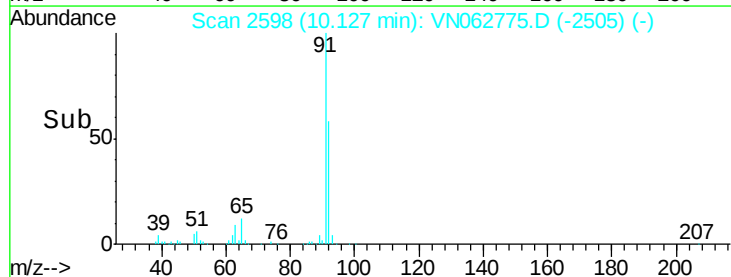
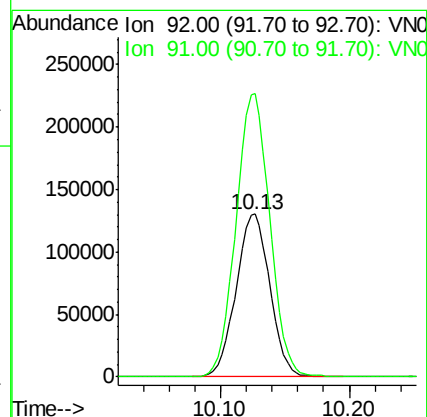
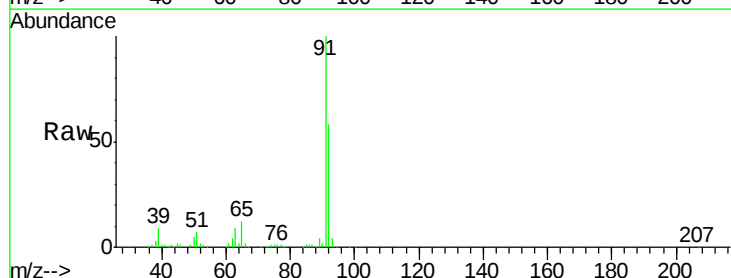
Acq: 6 Aug 2020 18:44

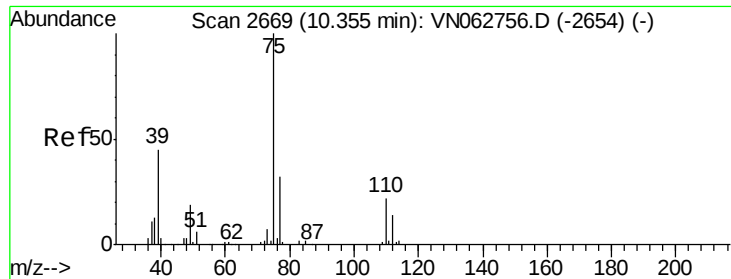
Tgt Ion: 92 Resp: 237686

Ion Ratio Lower Upper

92 100

91 174.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 44.201 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

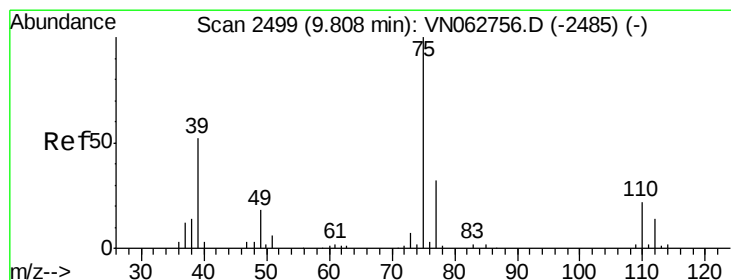
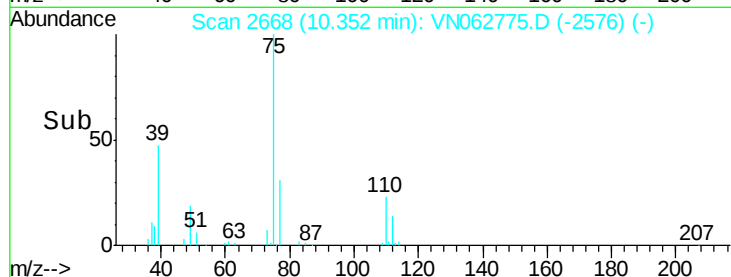
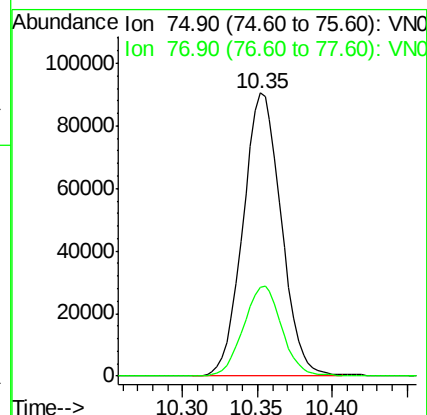
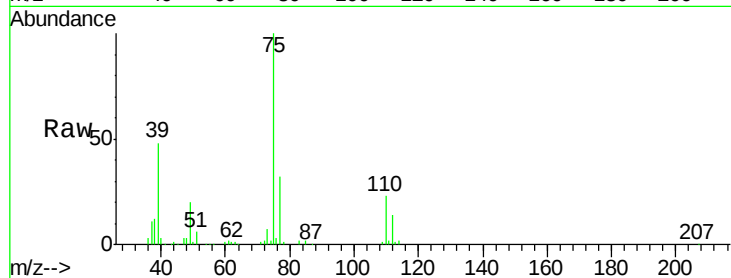
VSTDCCC050EC

Tot Ion: 75 Resp: 161140

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 46.042 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

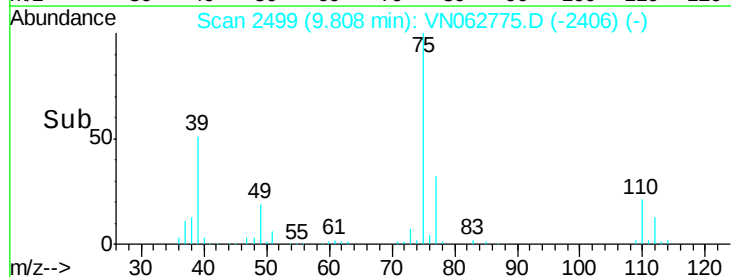
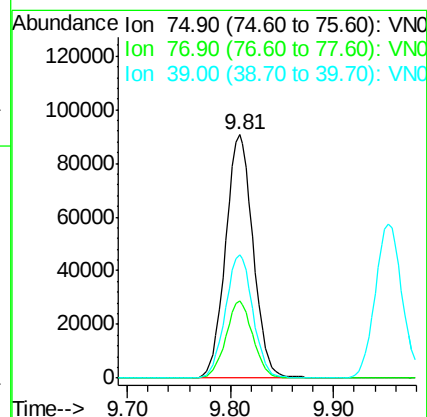
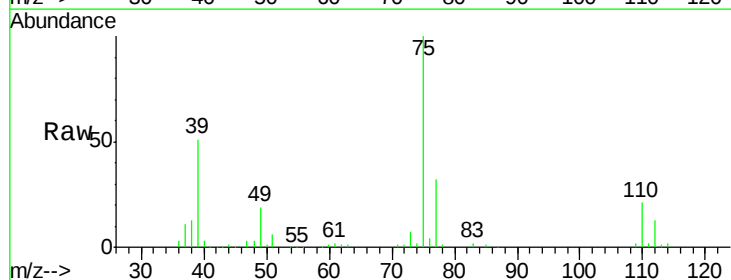
Tgt Ion: 75 Resp: 168528

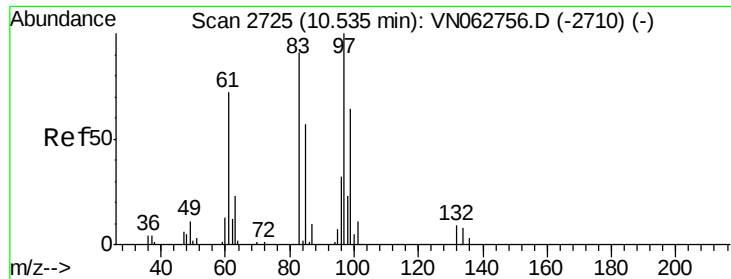
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 50.8 41.9 62.9

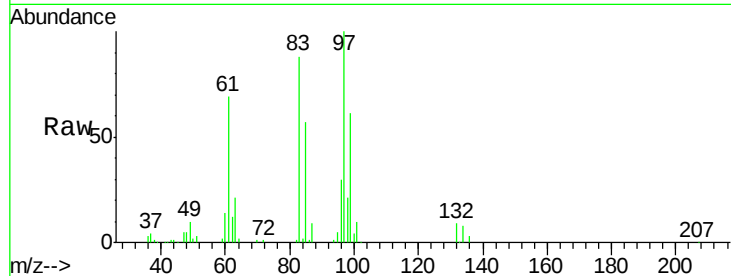




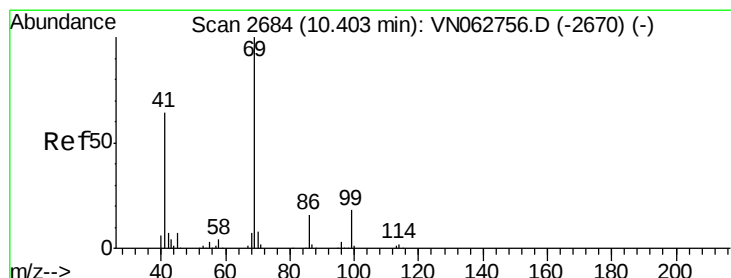
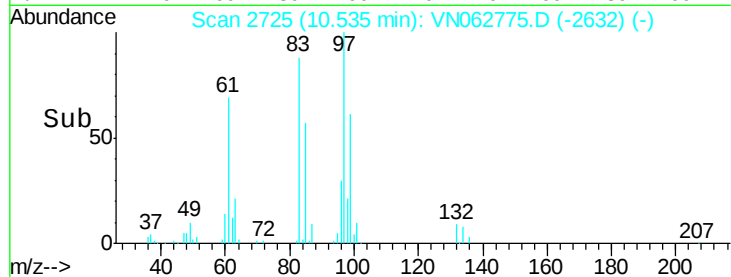
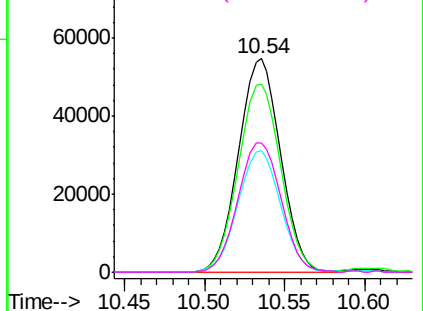
#55
 1,1,2-Trichloroethane
 Concen: 44.734 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 98163
 Ion Ratio Lower Upper
 97 100
 83 88.3 72.6 108.8
 85 57.1 46.0 69.0
 99 60.8 51.1 76.7

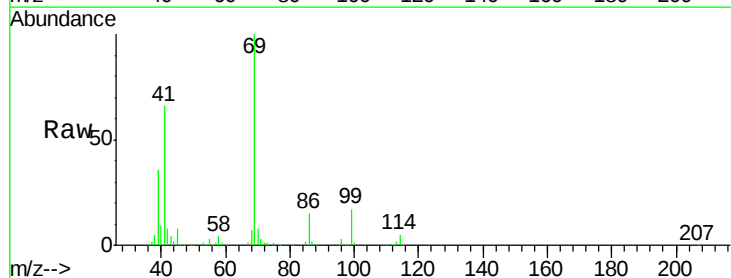


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

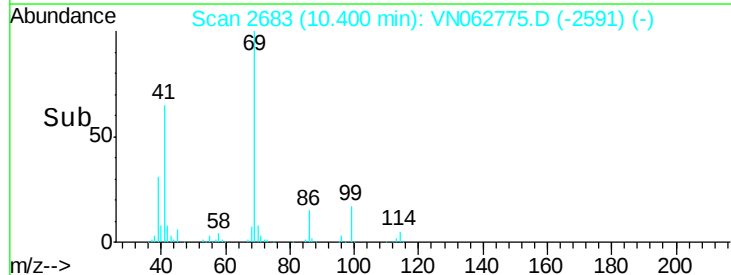
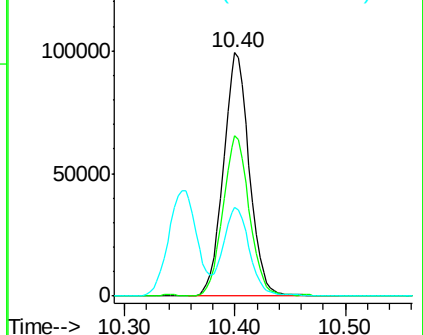


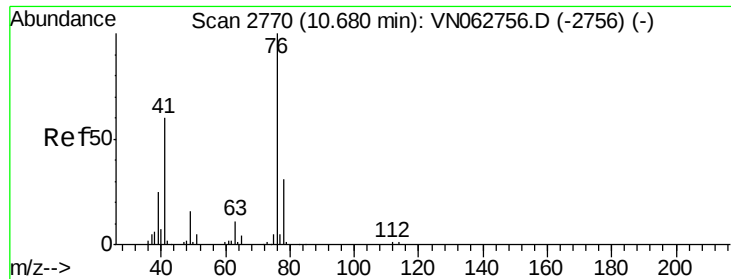
#56
 Ethyl methacrylate
 Concen: 48.863 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 69 Resp: 161391
 Ion Ratio Lower Upper
 69 100
 41 66.4 52.2 78.2
 39 36.4 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

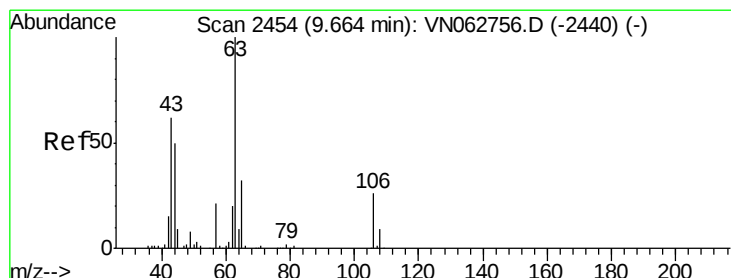
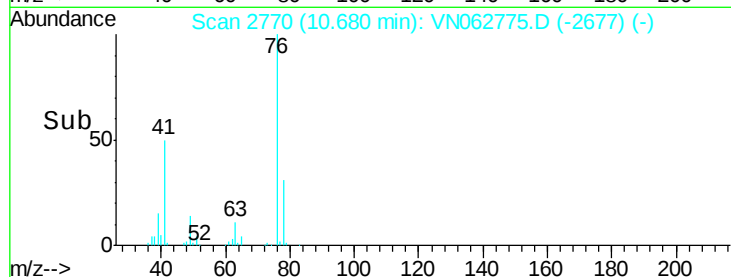
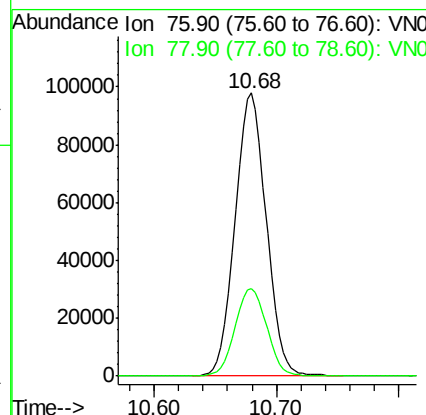
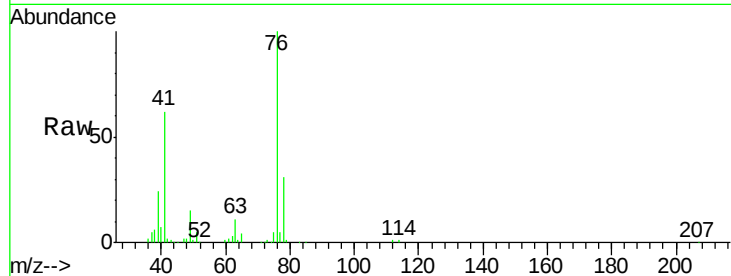




#57
 1,3-Dichloropropane
 Concen: 46.697 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

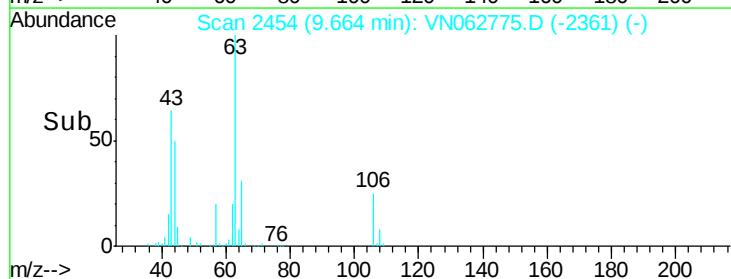
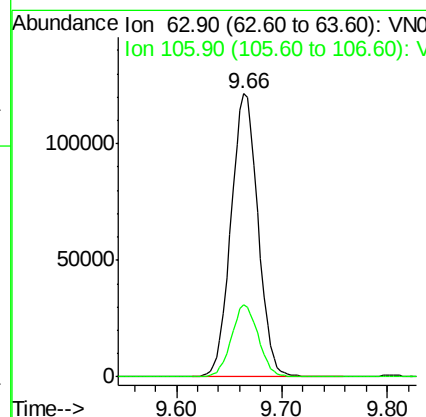
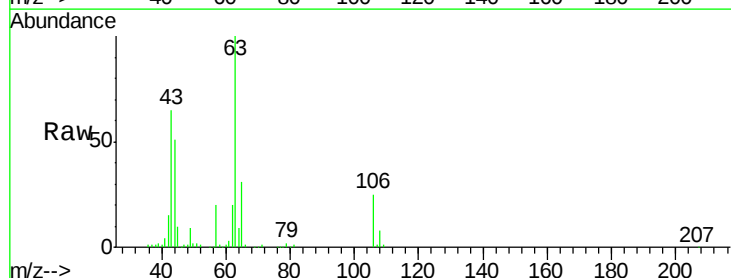
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

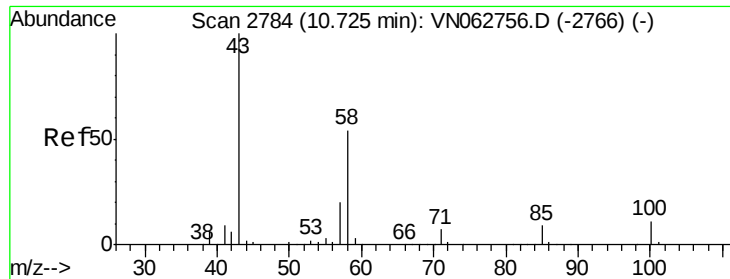
Tot Ion: 76 Resp: 174111
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.263 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 63 Resp: 214979
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.9 31.3

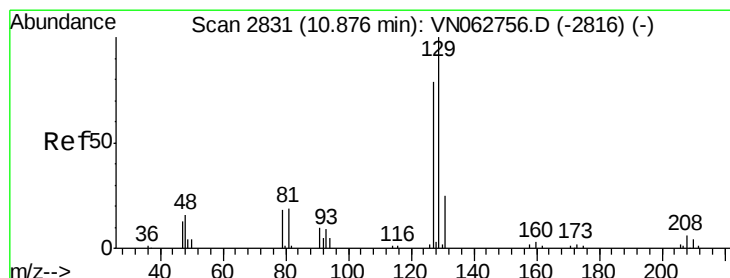
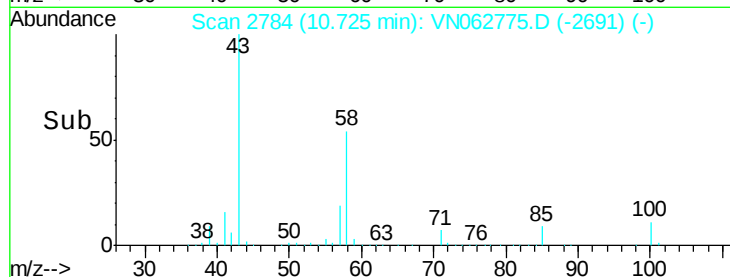
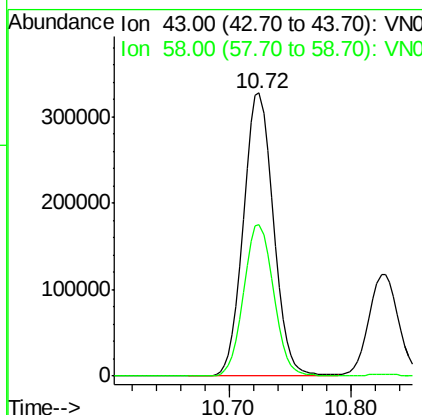
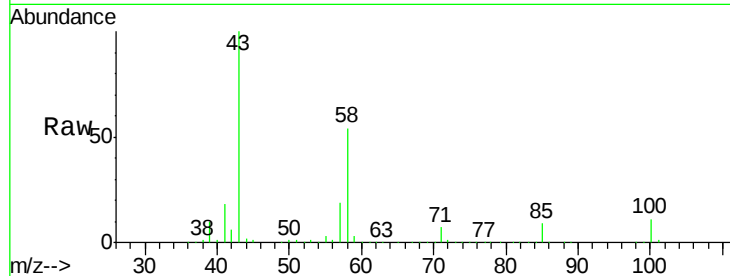




#59
2-Hexanone
Concen: 235.927 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

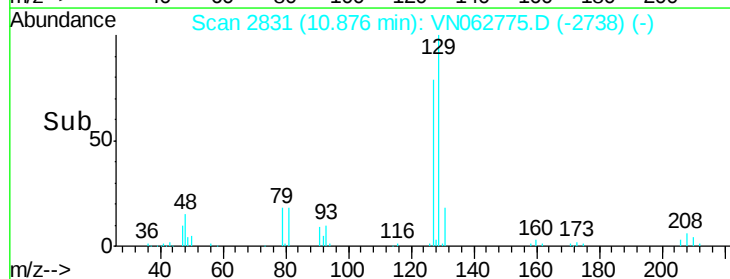
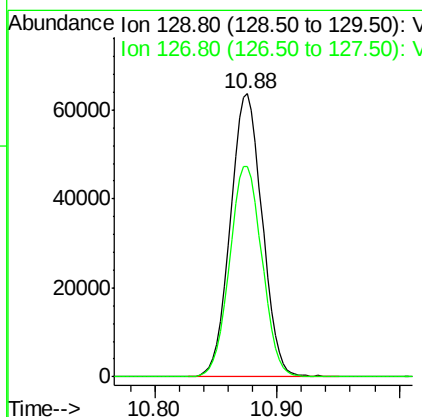
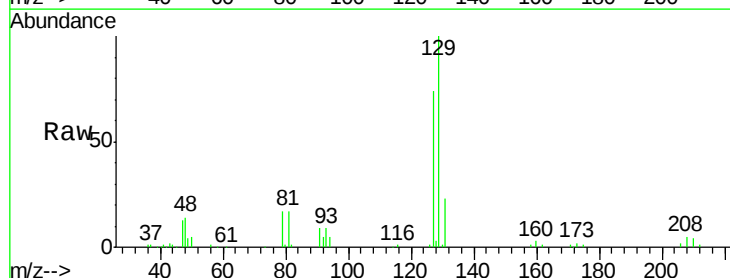
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

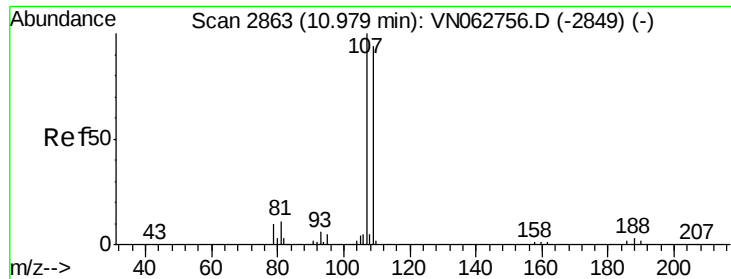
Tot Ion: 43 Resp: 553265
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1



#60
Dibromochloromethane
Concen: 46.185 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 129 Resp: 115653
Ion Ratio Lower Upper
129 100
127 75.7 39.1 117.2

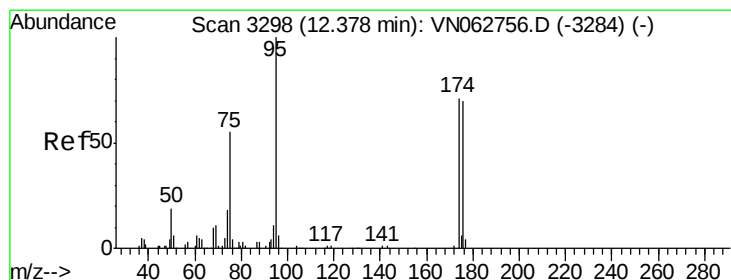
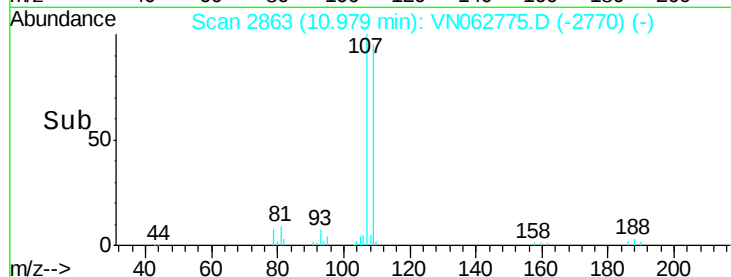
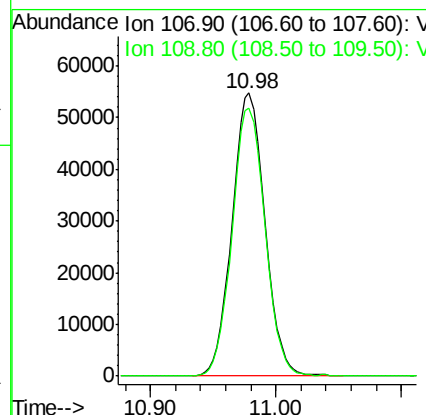
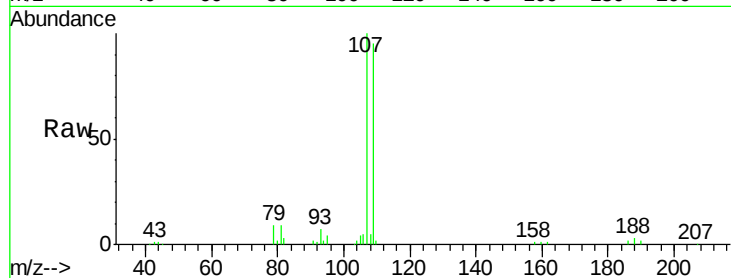




#61
 1,2-Dibromoethane
 Concen: 45.986 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

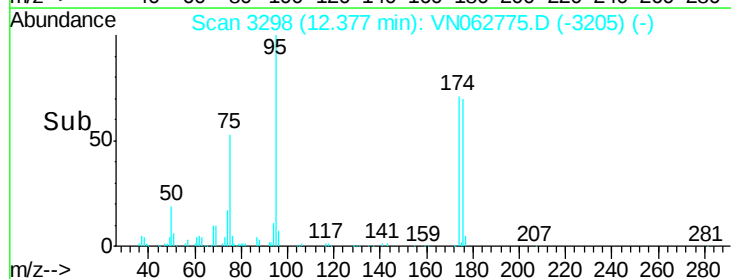
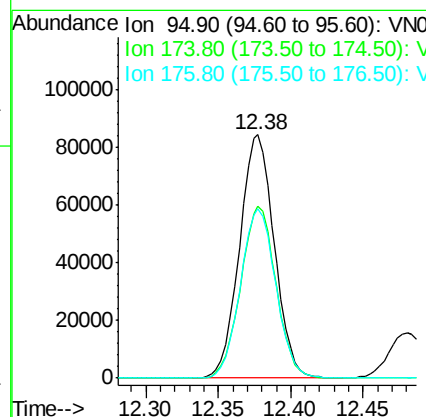
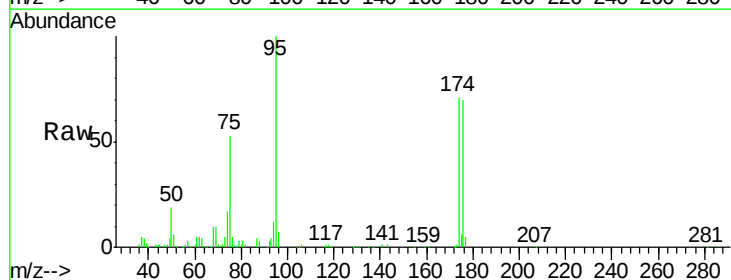
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

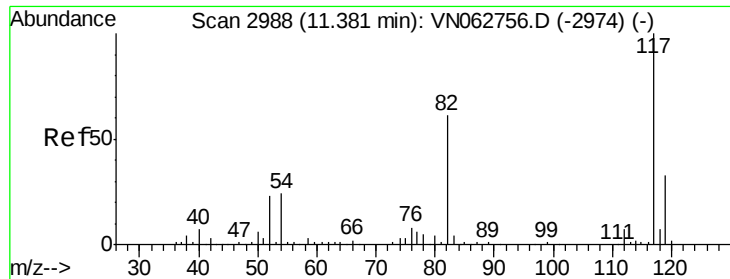
Tot Ion:107 Resp: 99574
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 48.416 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 95 Resp: 139942
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 144.8
 176 70.9 0.0 142.2

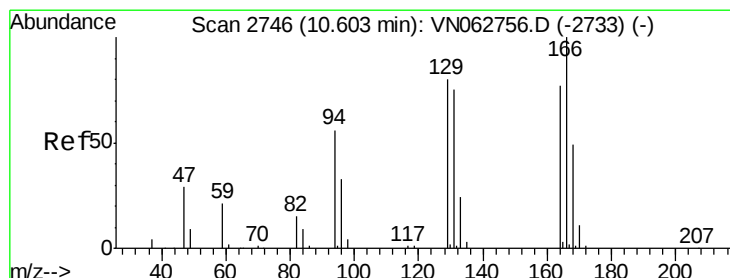
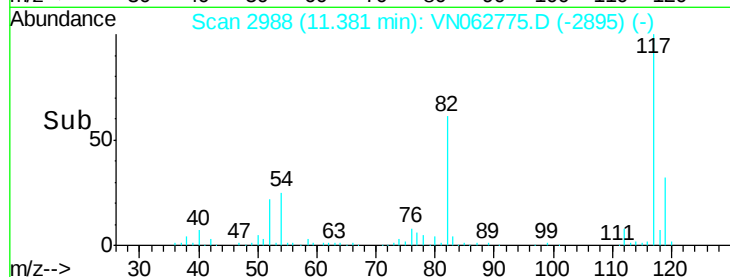
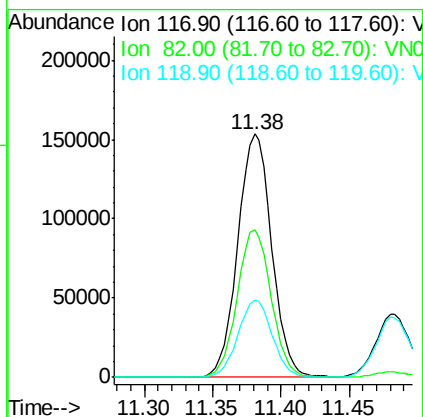
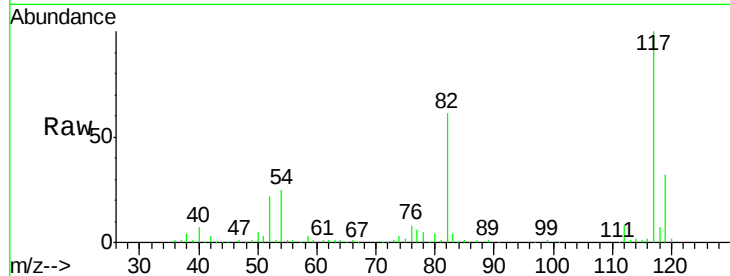




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

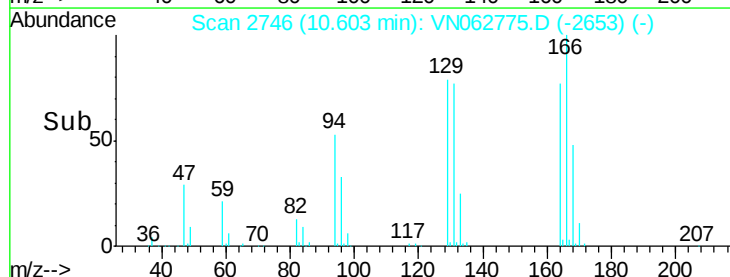
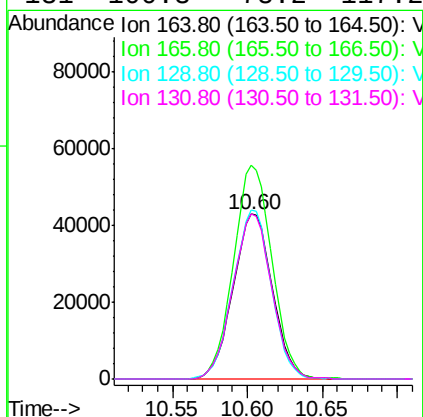
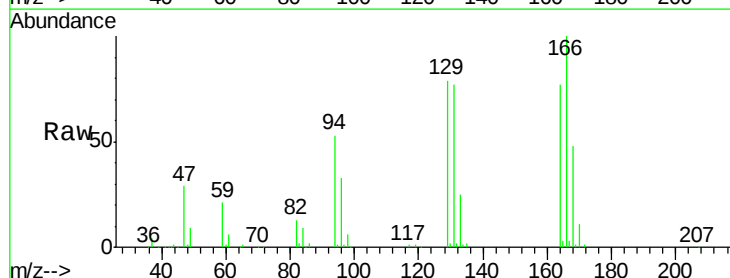
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

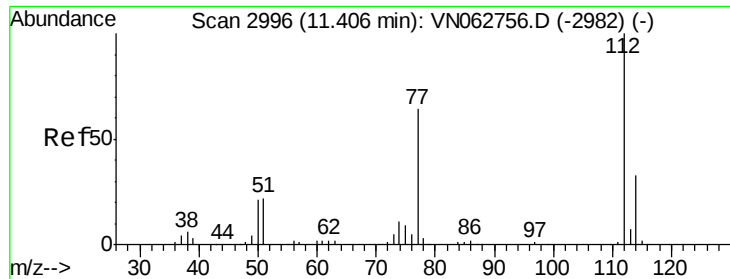
Tot Ion:117 Resp: 265306
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.4
119 31.7 26.2 39.2



#64
Tetrachloroethene
Concen: 45.808 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion:164 Resp: 78413
Ion Ratio Lower Upper
164 100
166 129.7 103.8 155.8
129 102.7 82.7 124.1
131 100.3 78.2 117.2

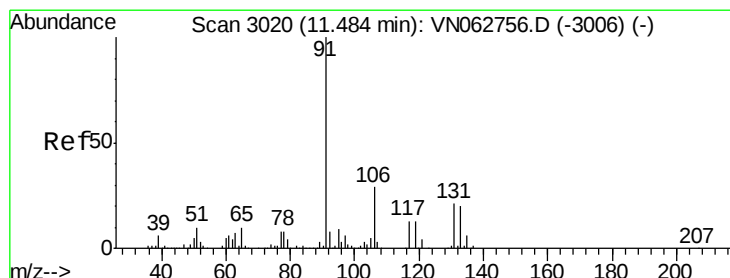
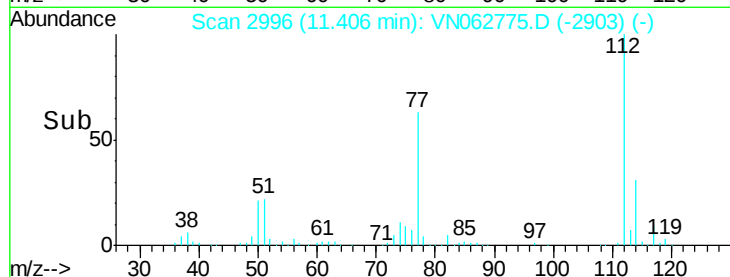
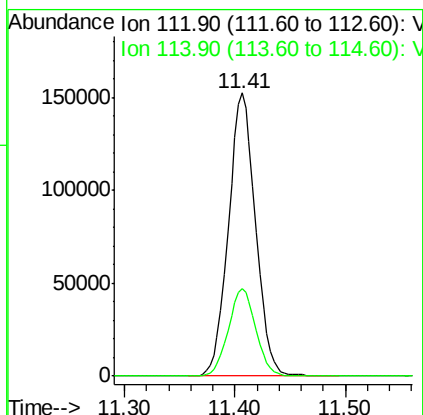
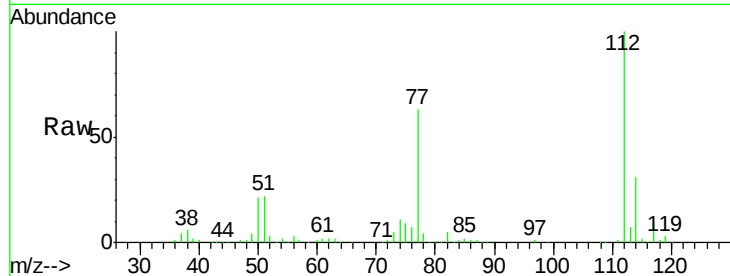




#65
Chlorobenzene
Concen: 46.744 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

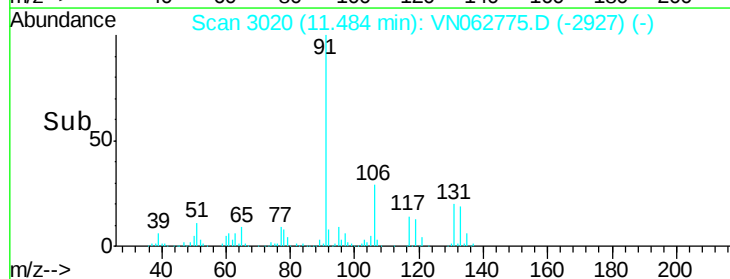
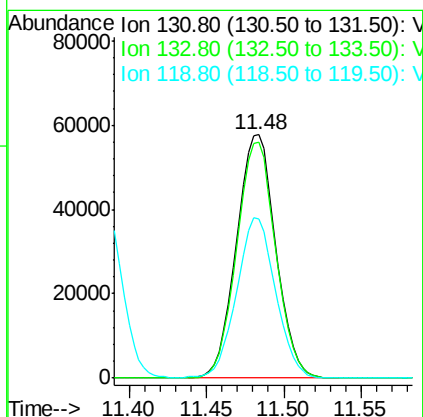
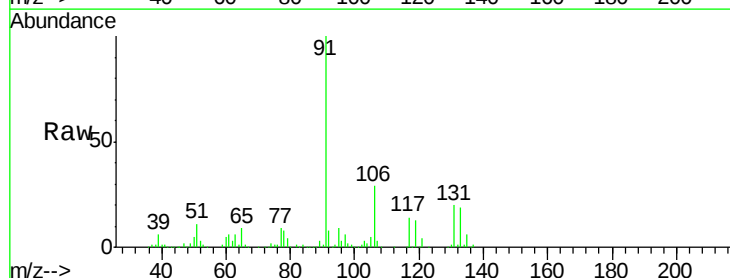
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

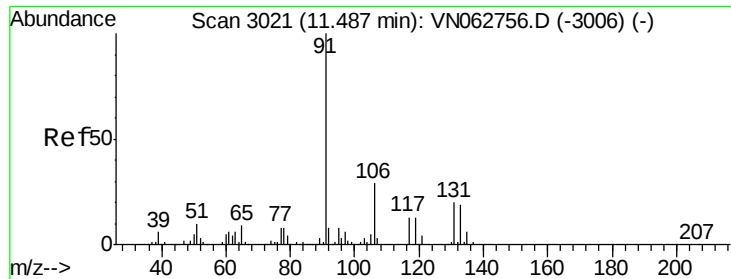
Tot Ion:112 Resp: 259240
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 45.793 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion:131 Resp: 101985
Ion Ratio Lower Upper
131 100
133 96.1 48.6 145.8
119 65.4 32.2 96.6





#67

Ethyl Benzene

Concen: 48.117 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

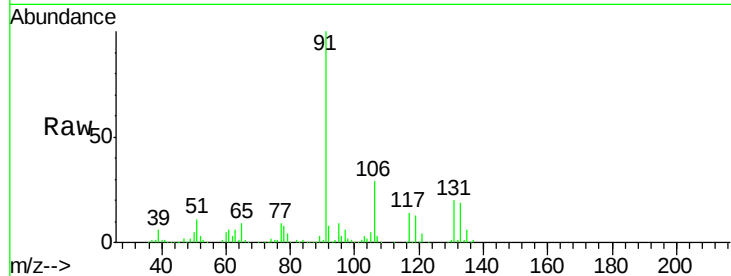
VSTDCCC050EC

Tot Ion: 91 Resp: 477526

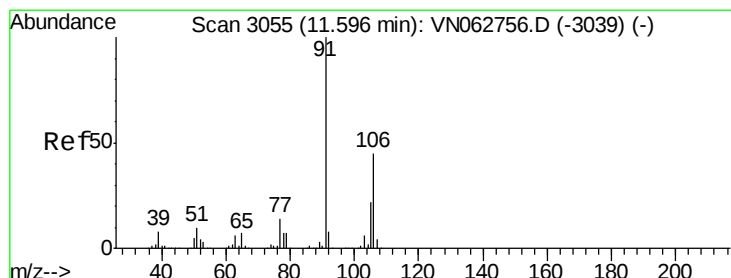
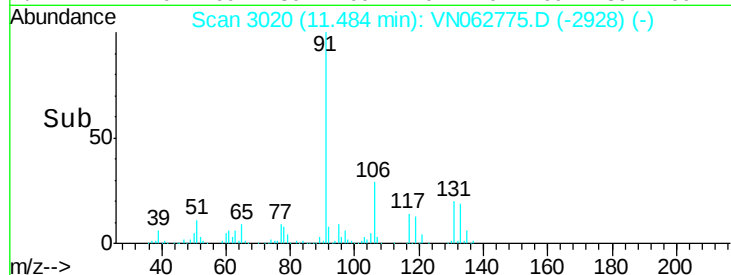
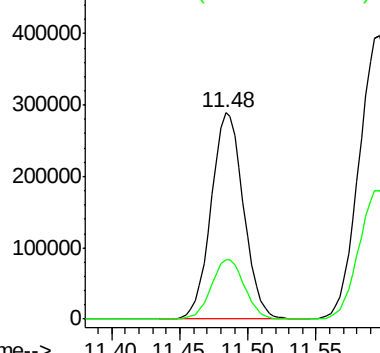
Ion Ratio Lower Upper

91 100

106 28.9 23.2 34.8



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



#68

m/p-Xylenes

Concen: 96.892 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062775.D

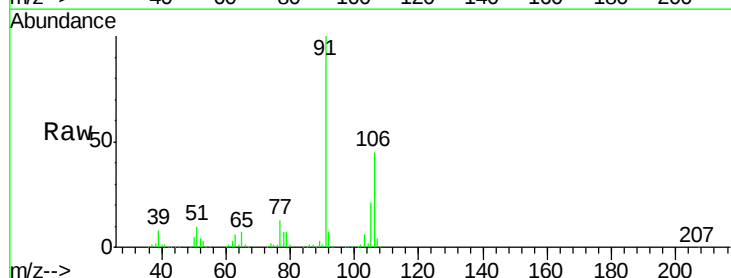
Acq: 6 Aug 2020 18:44

Tgt Ion: 106 Resp: 349055

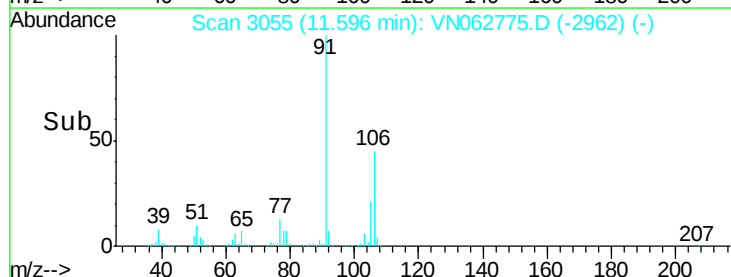
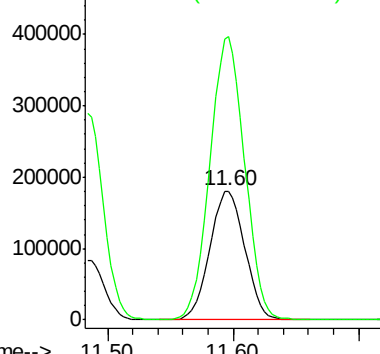
Ion Ratio Lower Upper

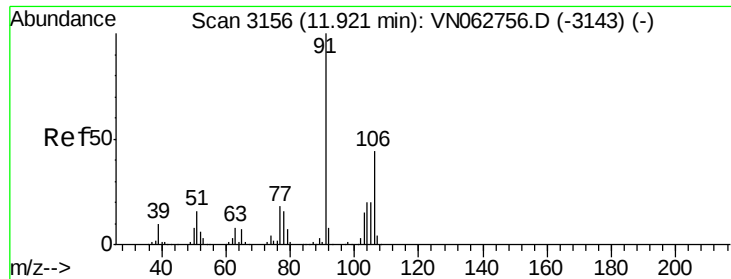
106 100

91 218.0 175.9 263.9



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

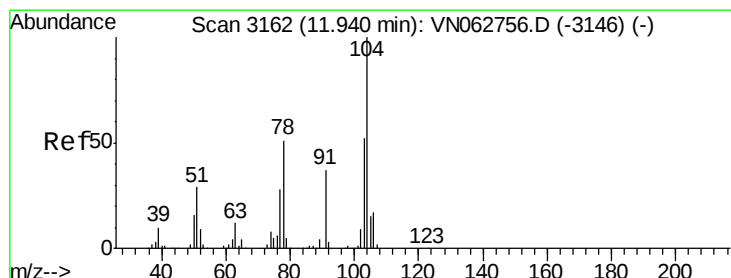
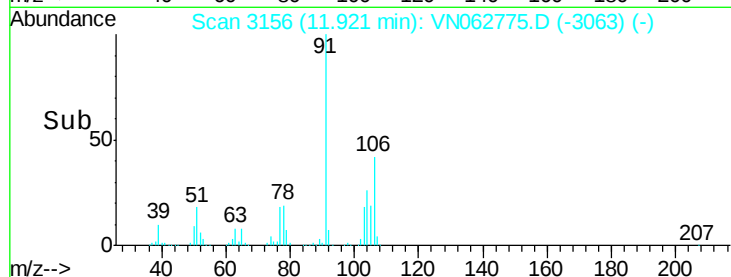
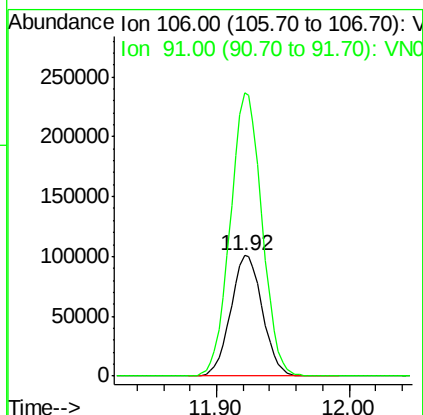
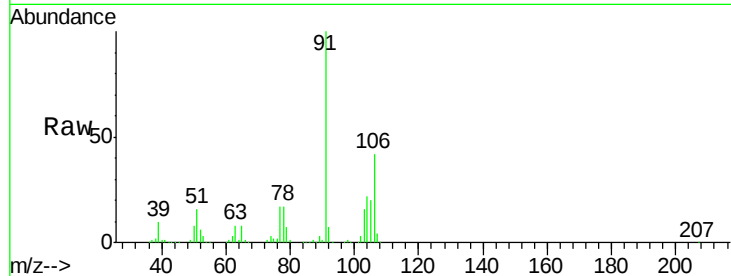




#69
o-Xylene
Concen: 49.519 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

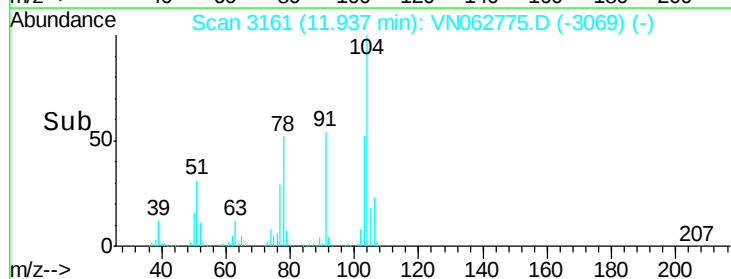
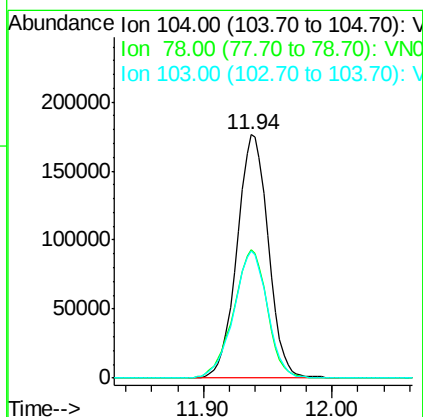
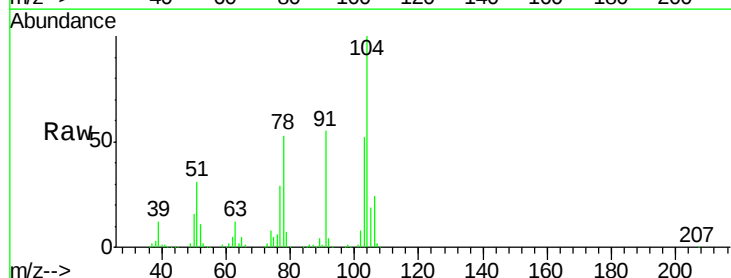
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

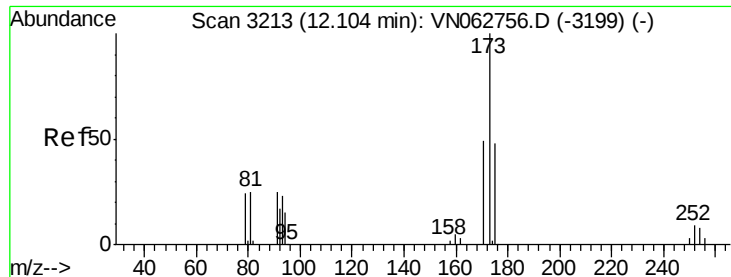
Tot Ion:106 Resp: 167180
Ion Ratio Lower Upper
106 100
91 235.2 115.8 347.4



#70
Styrene
Concen: 50.190 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion:104 Resp: 297840
Ion Ratio Lower Upper
104 100
78 56.7 45.9 68.9
103 56.1 45.1 67.7





#71

Bromoform

Concen: 45.257 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

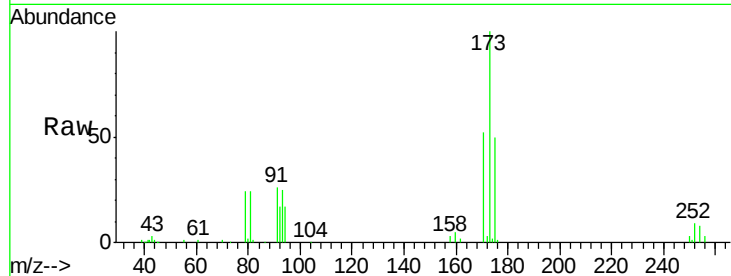
Tot Ion:173 Resp: 82467

Ion Ratio Lower Upper

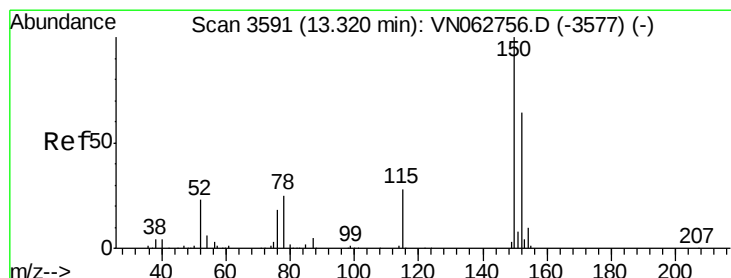
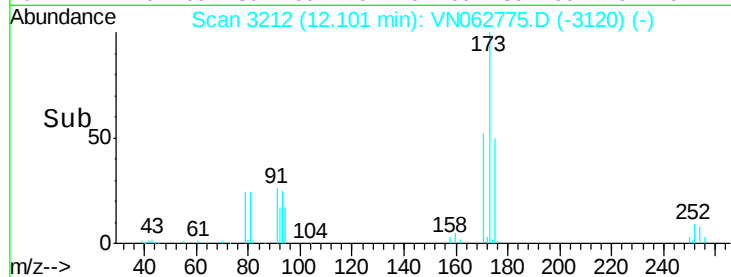
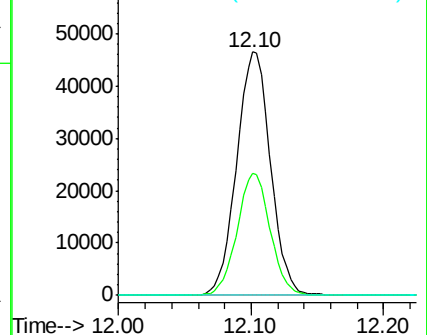
173 100

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# 3591

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

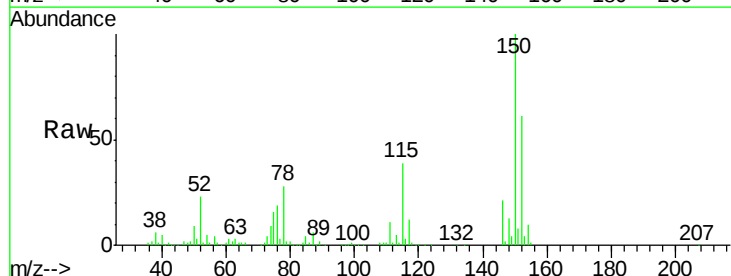
Tgt Ion:152 Resp: 130469

Ion Ratio Lower Upper

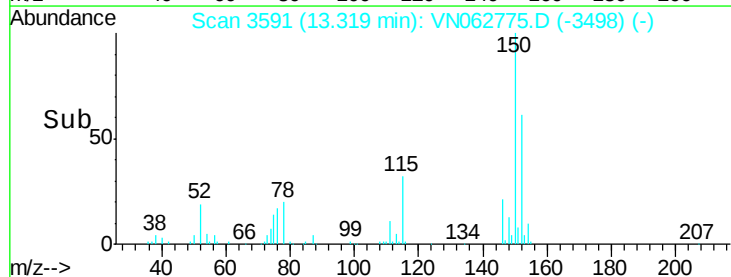
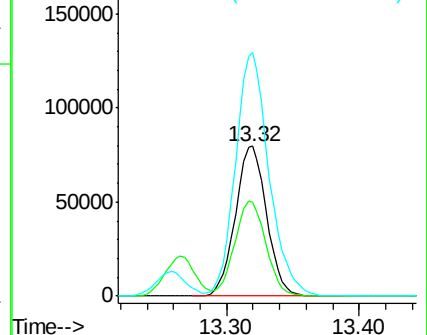
152 100

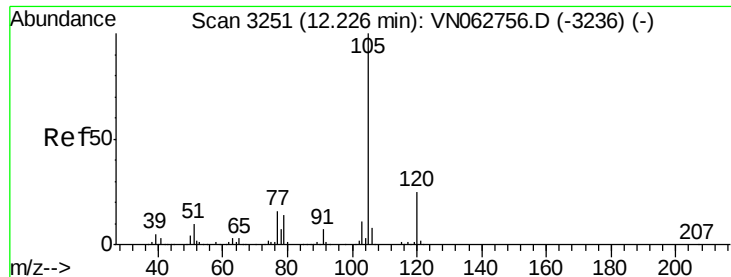
115 63.0 31.6 94.8

150 174.3 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: 48.223 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

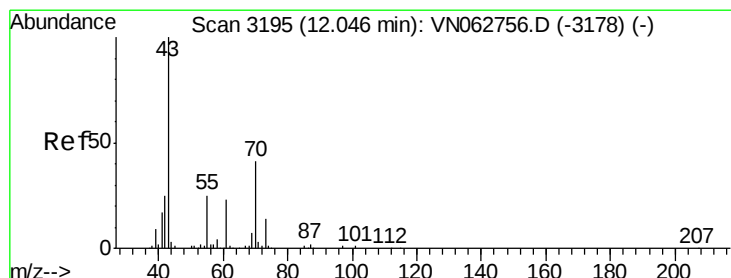
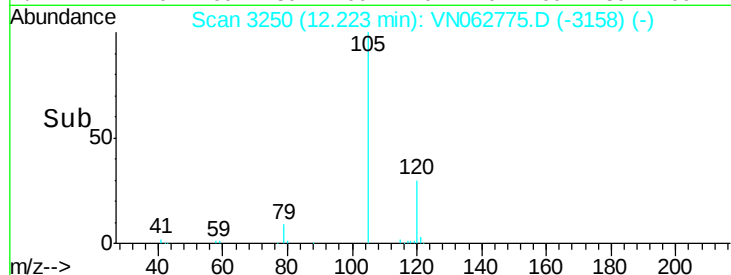
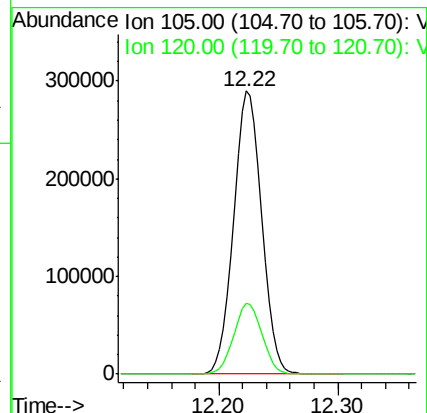
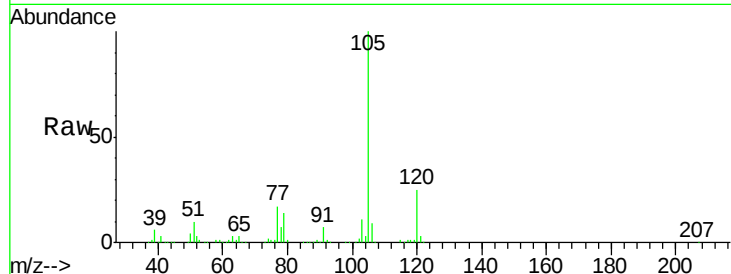
VSTDCCC050EC

Tot Ion:105 Resp: 473755

Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8



#74

N-ethyl acetate

Concen: 51.333 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Tgt Ion: 43 Resp: 204368

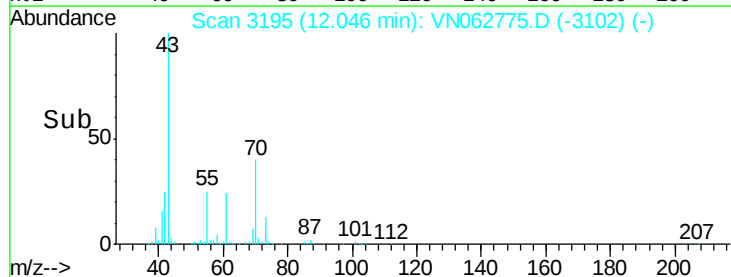
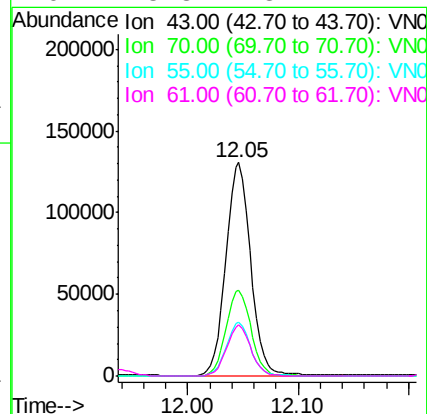
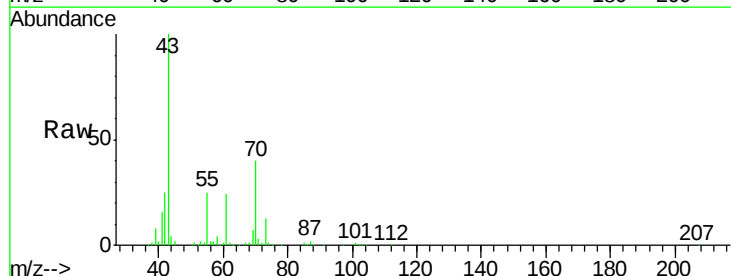
Ion Ratio Lower Upper

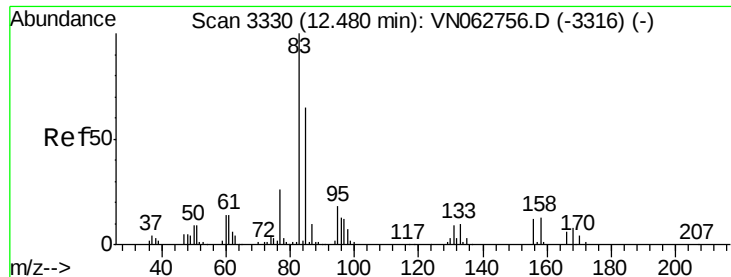
43 100

70 40.8 32.3 48.5

55 24.9 20.2 30.2

61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.183 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

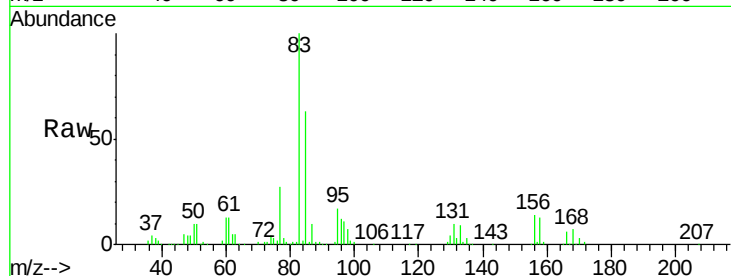
Tot Ion: 83 Resp: 156262

Ion Ratio Lower Upper

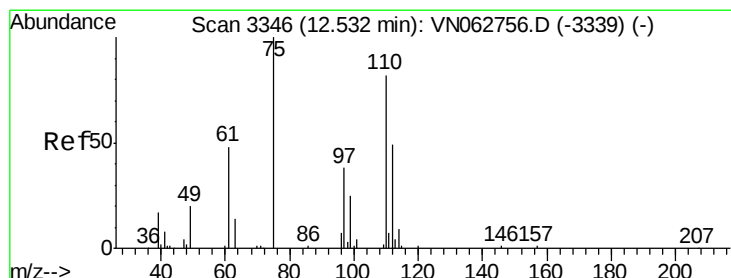
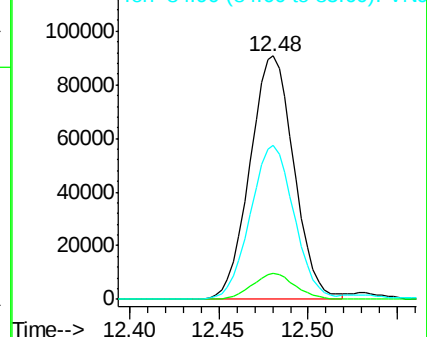
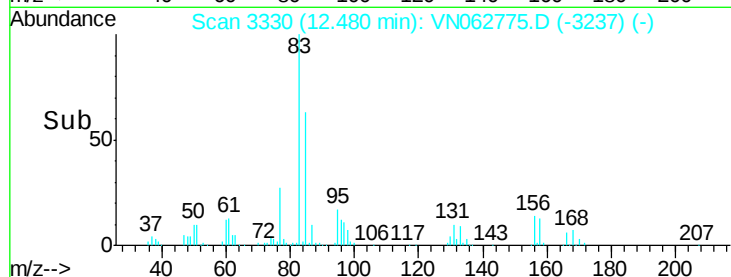
83 100

131 10.3 5.1 15.4

85 62.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN062775.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 58.706 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062775.D

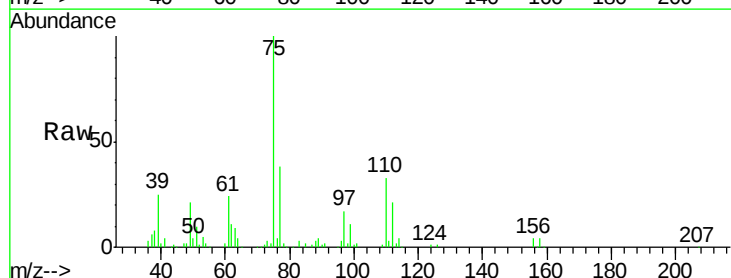
Acq: 6 Aug 2020 18:44

Tgt Ion: 75 Resp: 206564

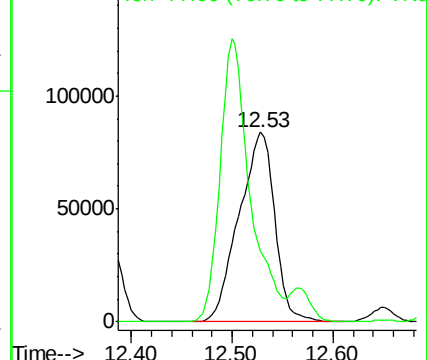
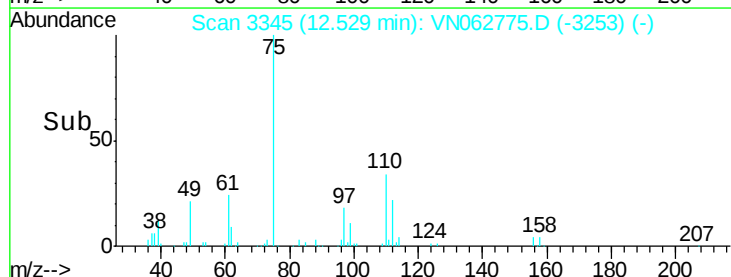
Ion Ratio Lower Upper

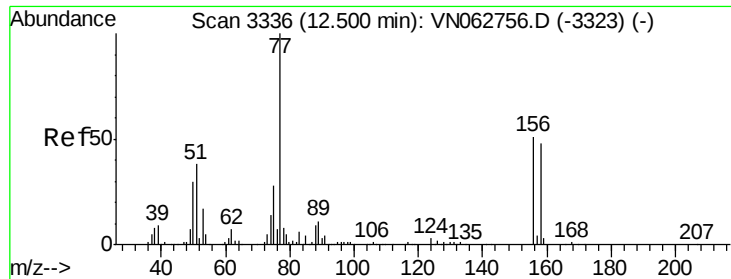
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062775.D (-3253) (-)





#77

Bromobenzene

Concen: 46.576 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

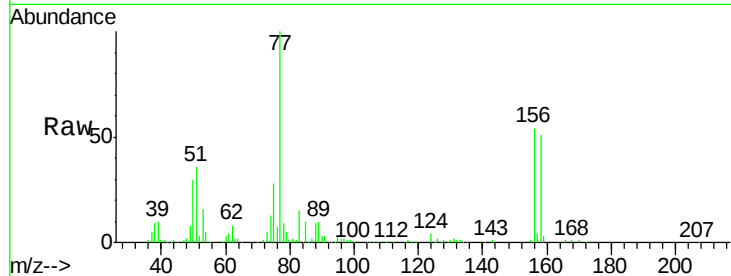
Tot Ion:156 Resp: 113692

Ion Ratio Lower Upper

156 100

77 228.0 119.7 359.1

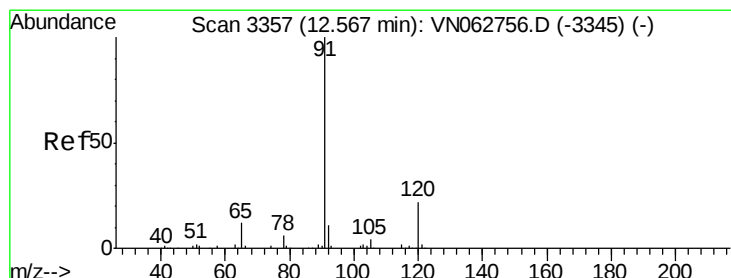
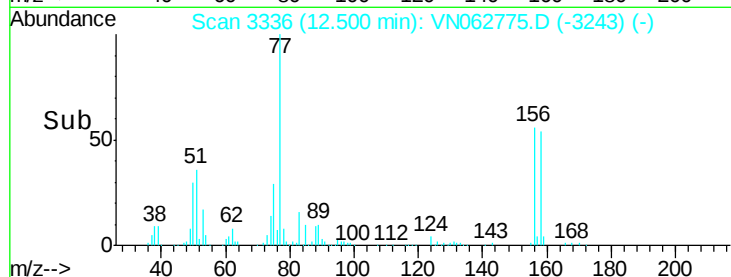
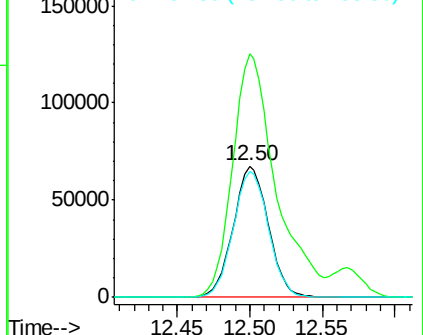
158 96.2 48.1 144.3



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: 48.469 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062775.D

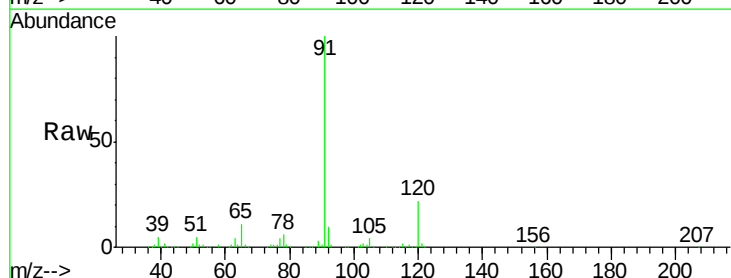
Acq: 6 Aug 2020 18:44

Tgt Ion: 91 Resp: 558949

Ion Ratio Lower Upper

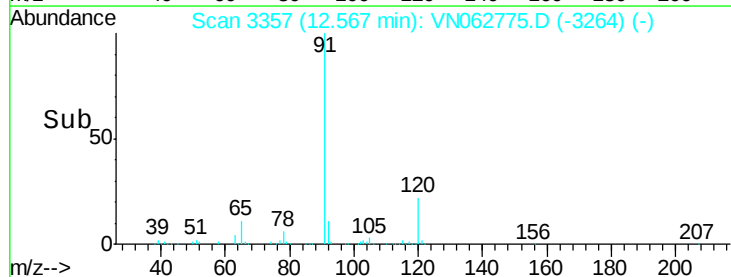
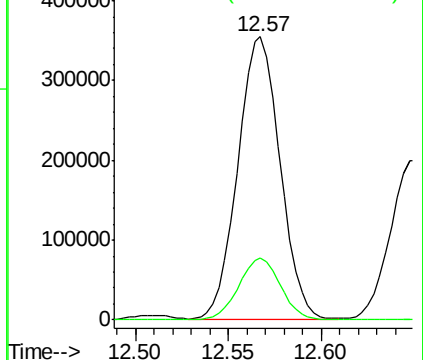
91 100

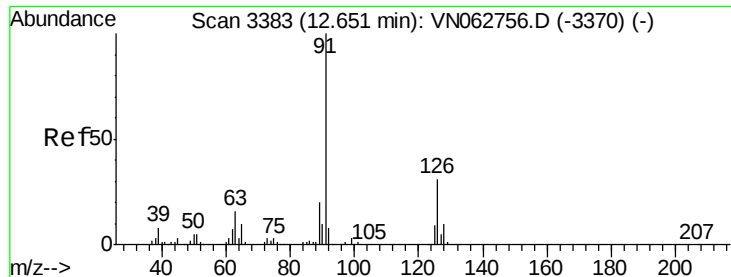
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

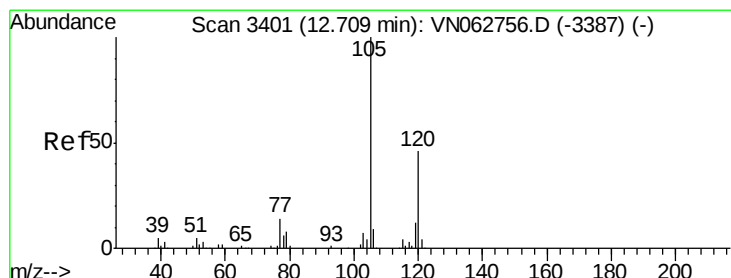
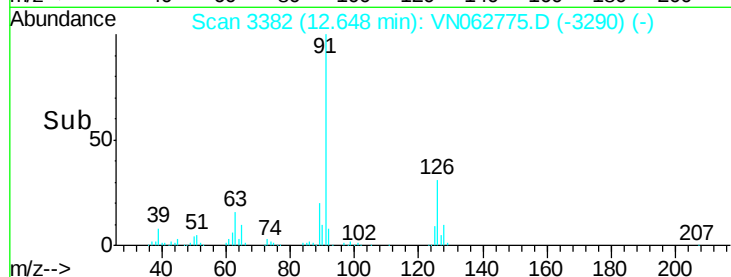
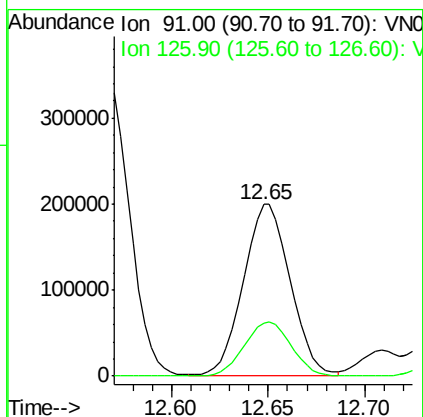
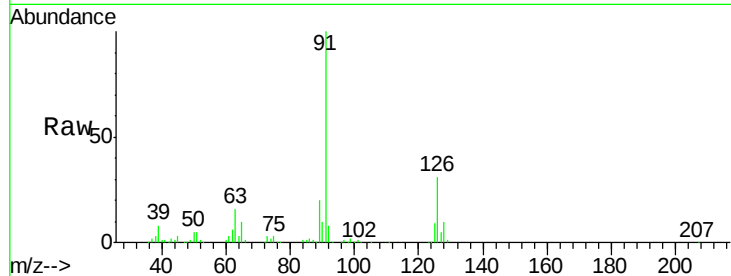




#79
 2-Chlorotoluene
 Concen: 46.134 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

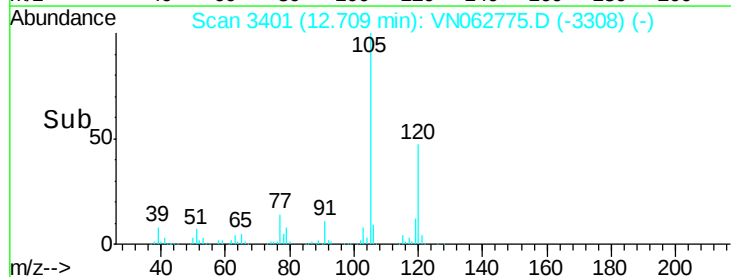
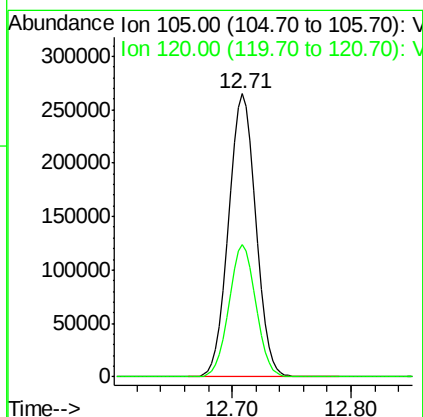
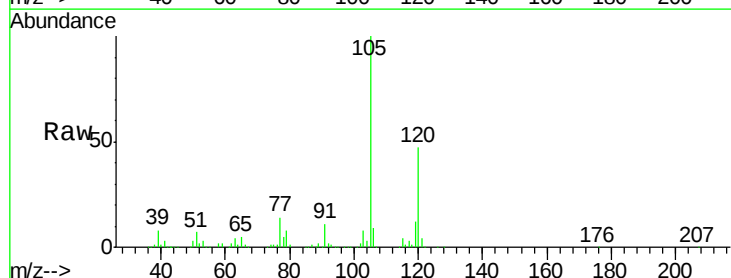
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

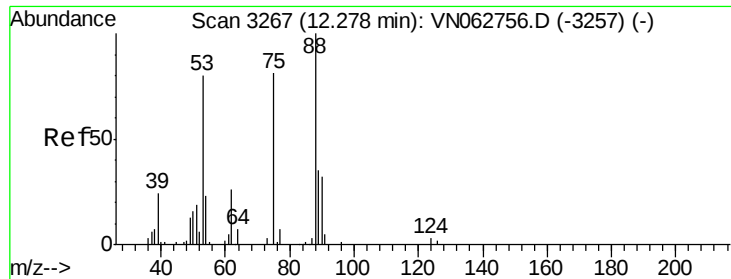
Tot Ion: 91 Resp: 333634
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 49.162 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 105 Resp: 419005
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 43.781 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

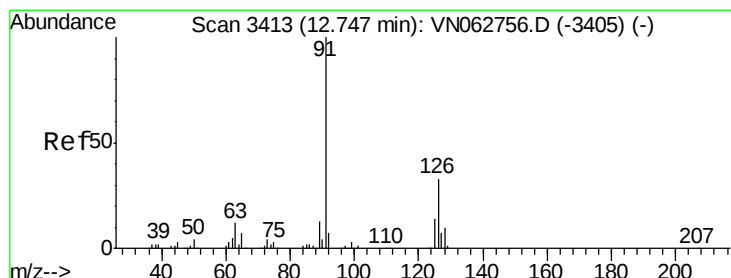
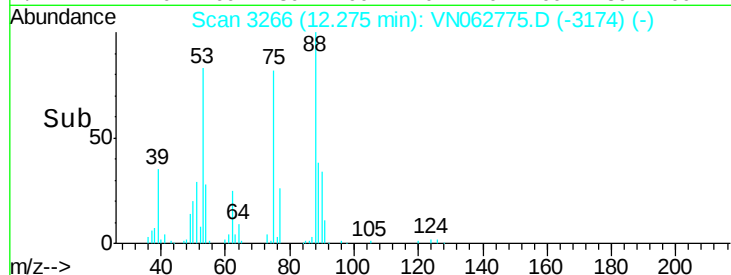
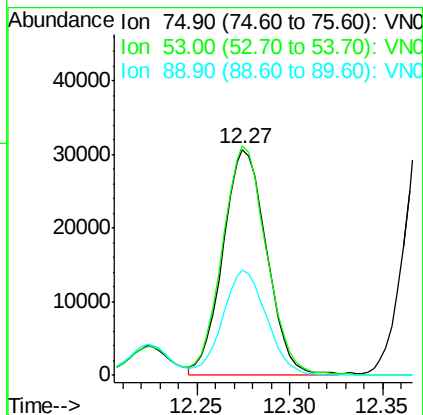
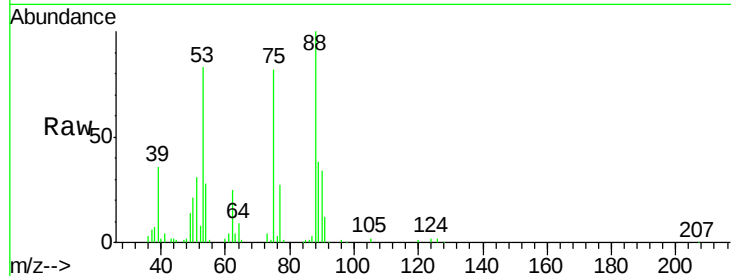
Tot Ion: 75 Resp: 50463

Ion Ratio Lower Upper

75 100

53 102.9 79.1 118.7

89 46.6 36.2 54.2



#82

4-Chlorotoluene

Concen: 47.448 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062775.D

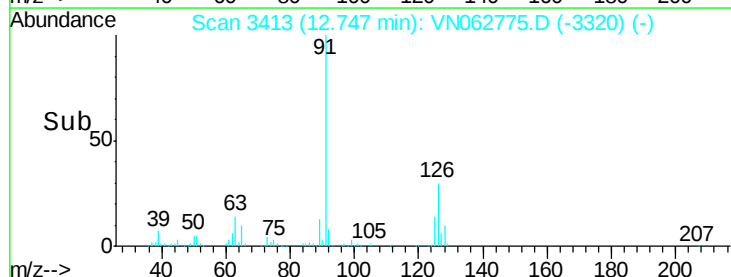
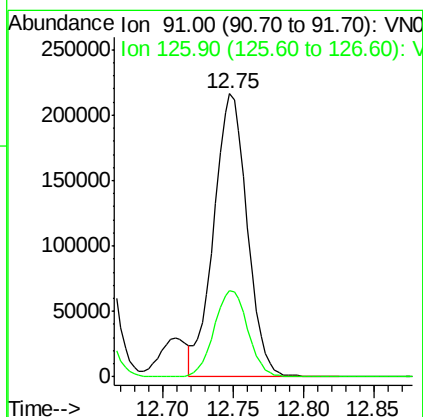
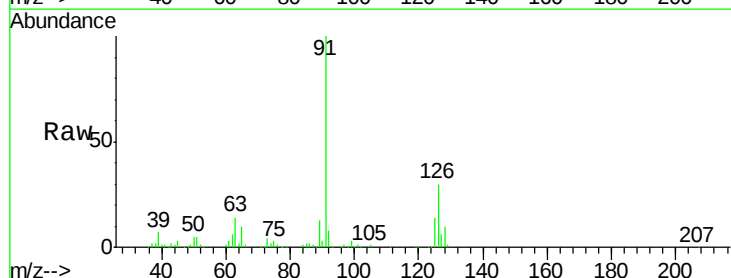
Acq: 6 Aug 2020 18:44

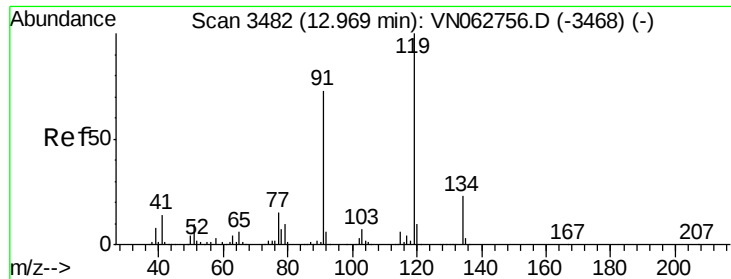
Tgt Ion: 91 Resp: 353609

Ion Ratio Lower Upper

91 100

126 31.0 15.3 45.9

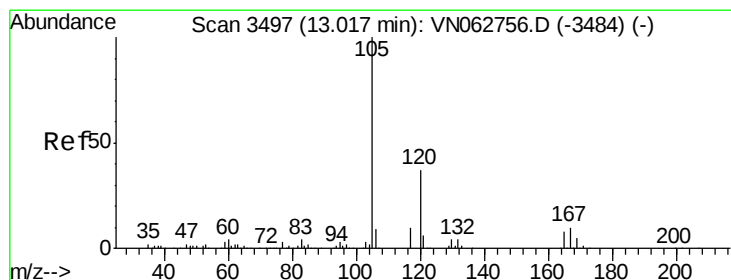
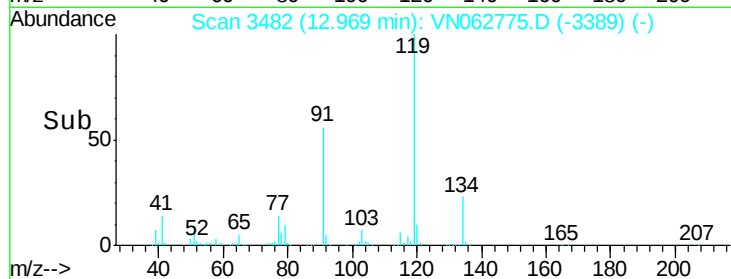
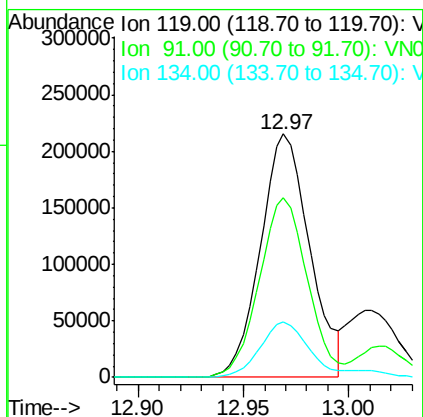
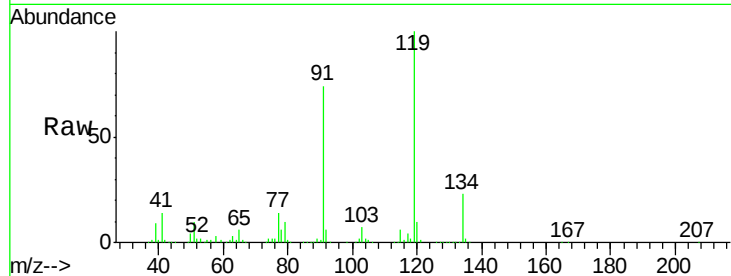




#83
 tert-Butylbenzene
 Concen: 48.565 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

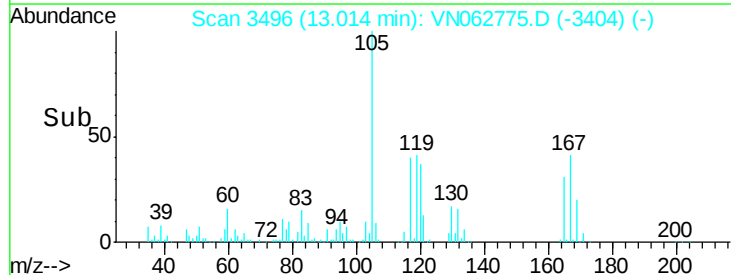
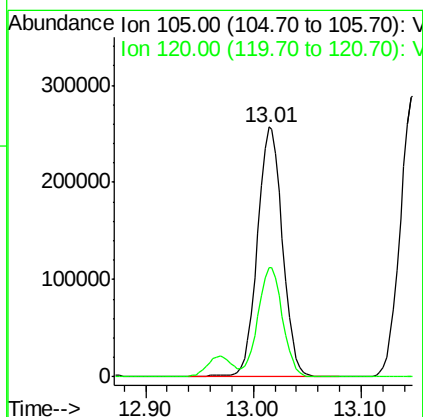
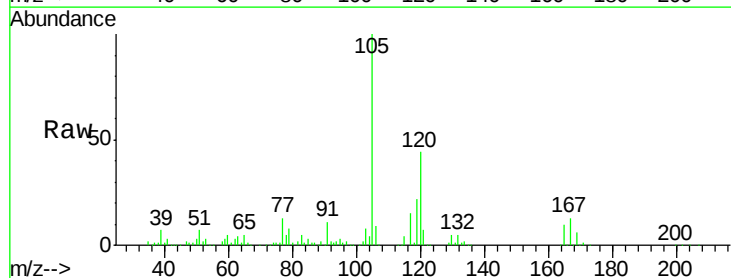
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

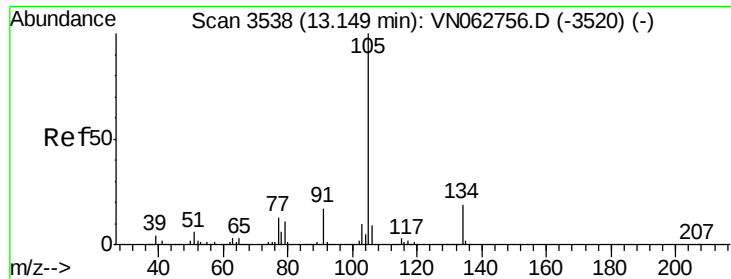
Tot Ion:119 Resp: 350246
 Ion Ratio Lower Upper
 119 100
 91 72.3 36.5 109.5
 134 22.5 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.816 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion:105 Resp: 414345
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.4 64.2





#85

sec-Butylbenzene

Concen: 48.767 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

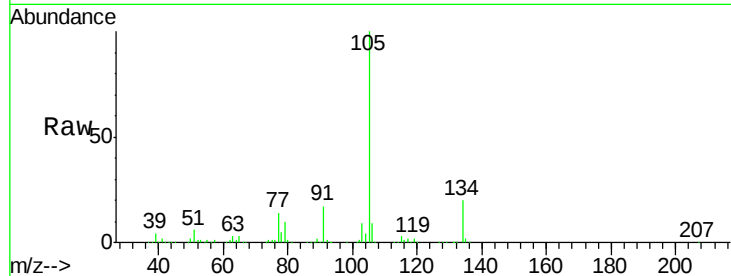
VSTDCCC050EC

Tot Ion:105 Resp: 461858

Ion Ratio Lower Upper

105 100

134 19.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

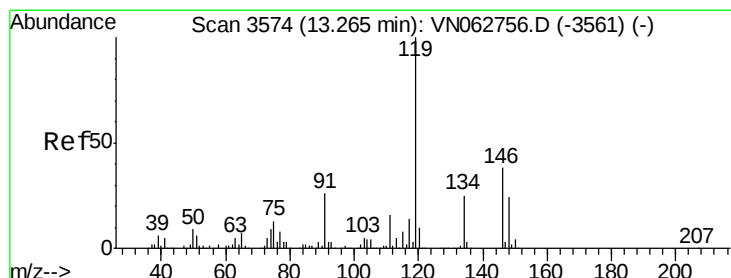
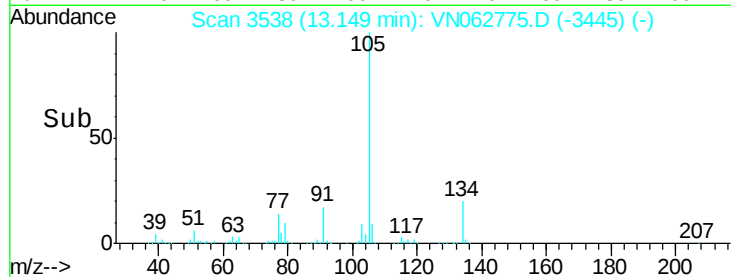
300000

200000

100000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 49.577 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062775.D

Acq: 6 Aug 2020 18:44

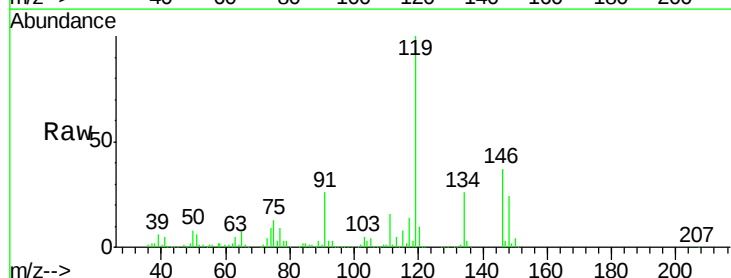
Tgt Ion:119 Resp: 416775

Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.8

91 26.6 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

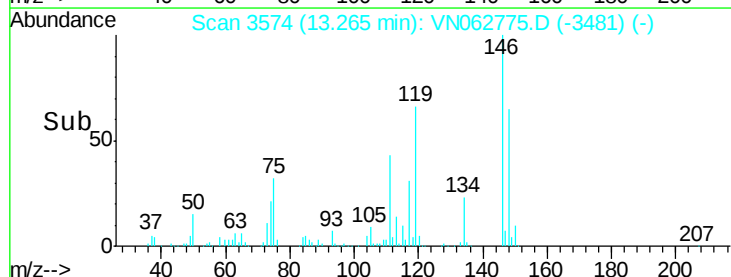
300000

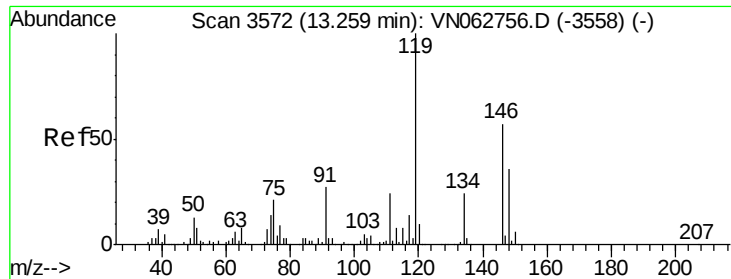
200000

100000

0

Time--> 13.20 13.25 13.30 13.35

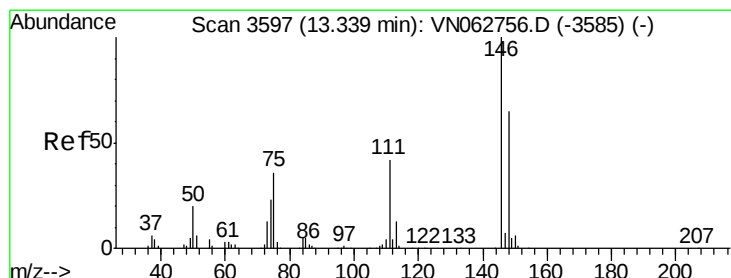
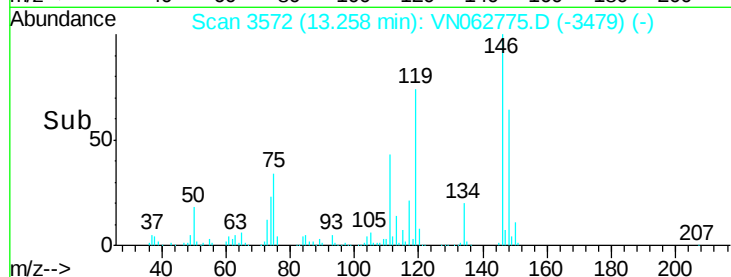
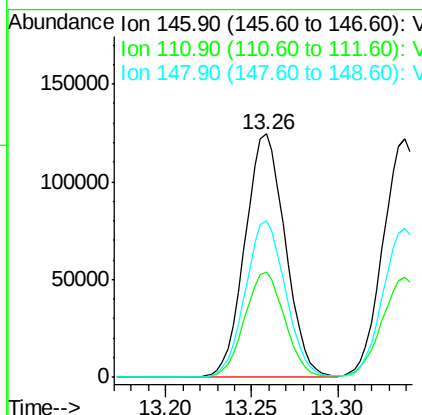
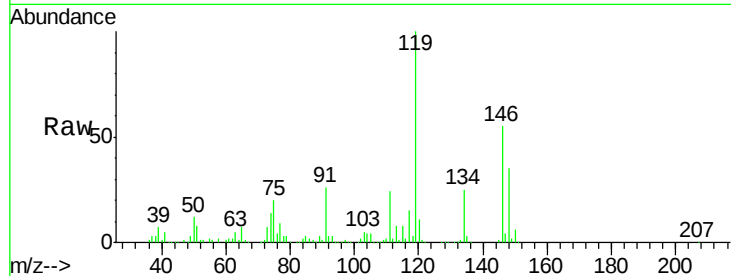




#87
 1,3-Dichlorobenzene
 Concen: 46.557 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

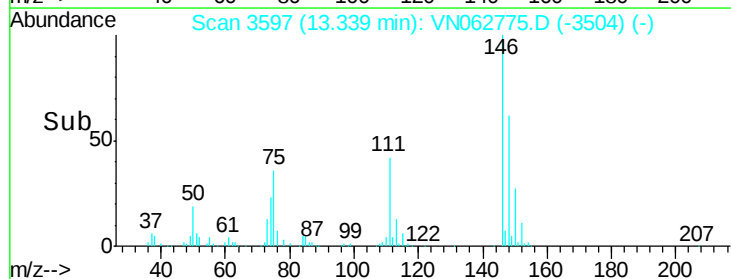
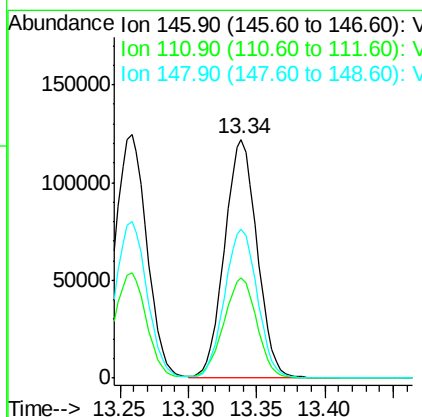
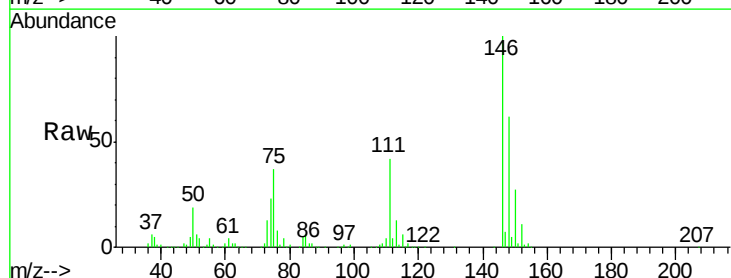
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

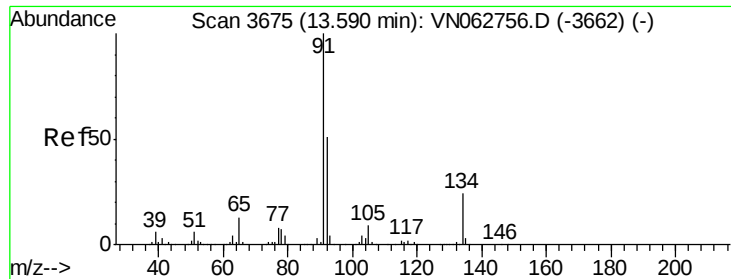
Tot Ion:146 Resp: 203026
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.7 65.1
 148 64.3 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 46.135 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion:146 Resp: 201785
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.6 64.6
 148 62.7 32.6 97.8

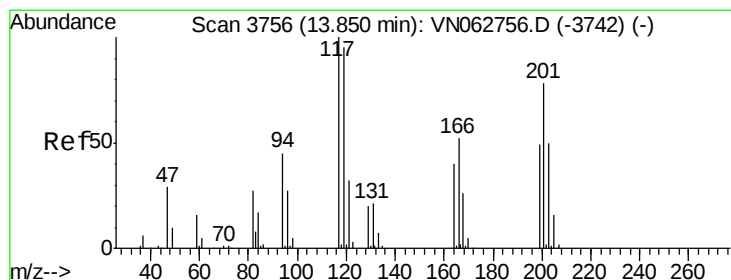
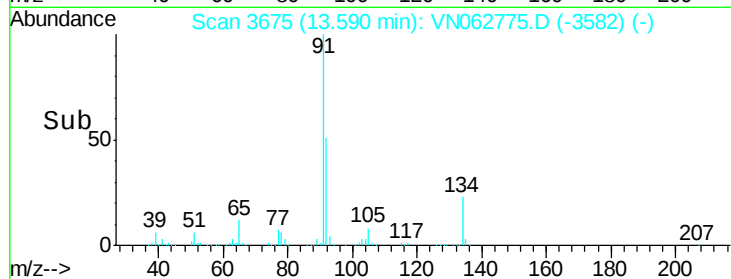
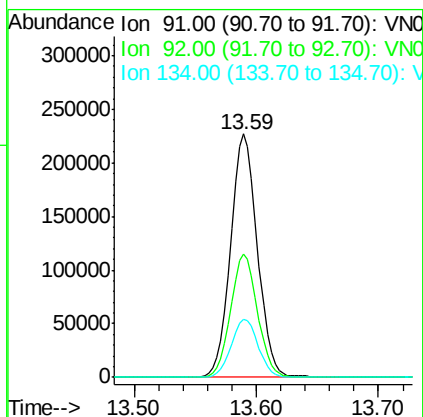
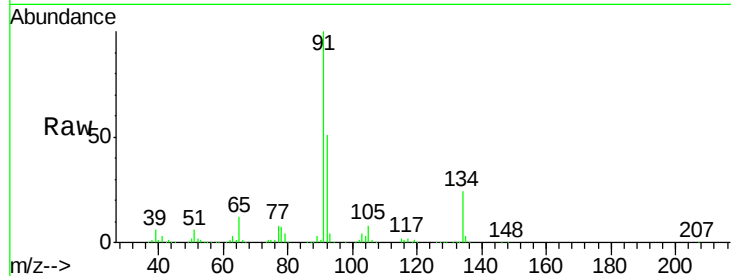




#89
n-Butylbenzene
Concen: 48.859 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

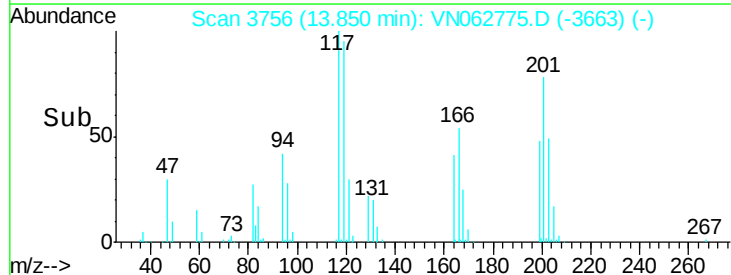
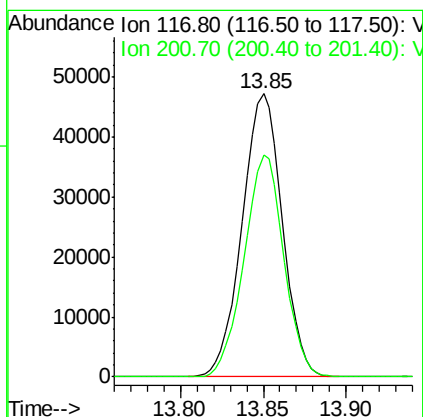
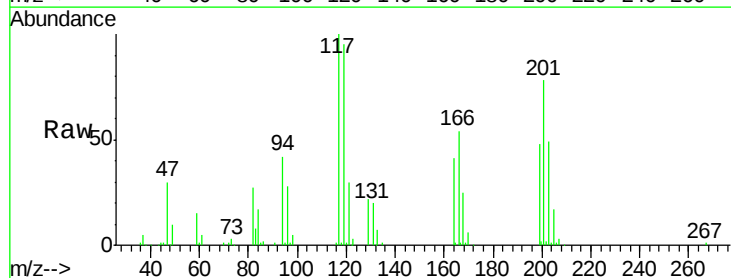
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

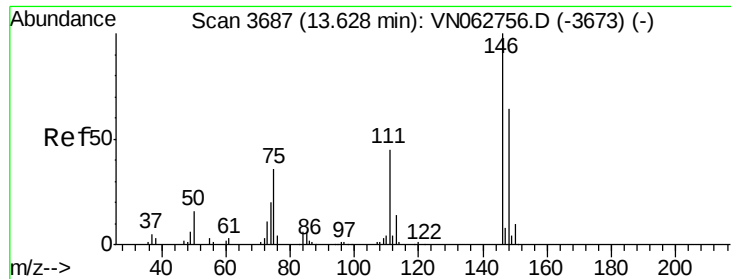
Tot Ion: 91 Resp: 347376
Ion Ratio Lower Upper
91 100
92 50.8 25.7 77.0
134 24.1 12.2 36.6



#90
Hexachloroethane
Concen: 43.823 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion: 117 Resp: 79410
Ion Ratio Lower Upper
117 100
201 77.2 39.2 117.6

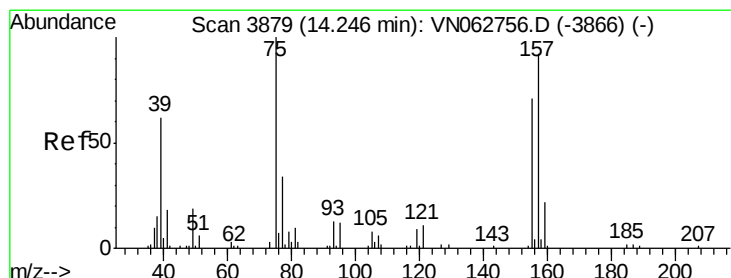
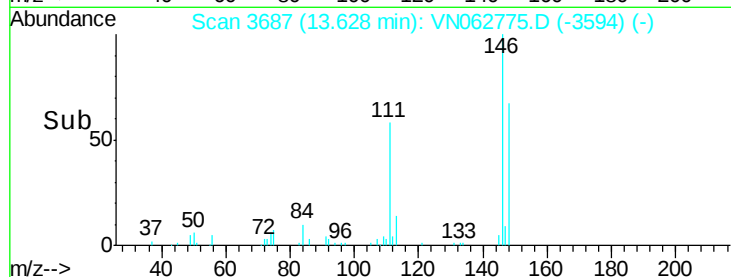
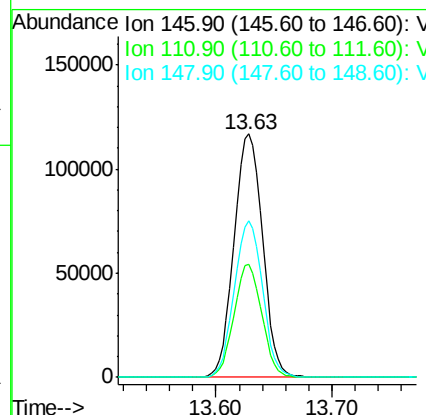
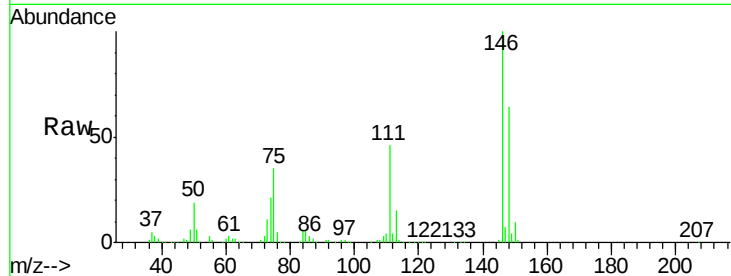




#91
 1,2-Dichlorobenzene
 Concen: 48.663 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

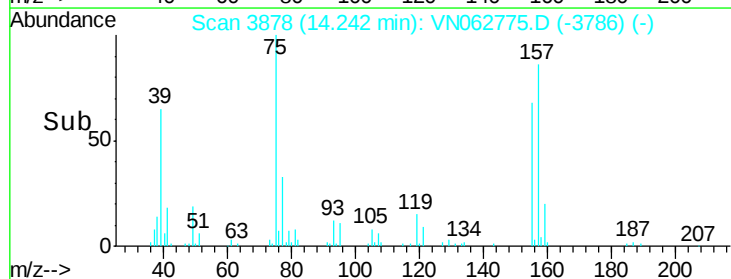
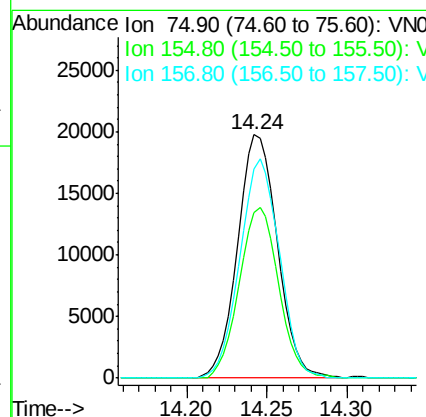
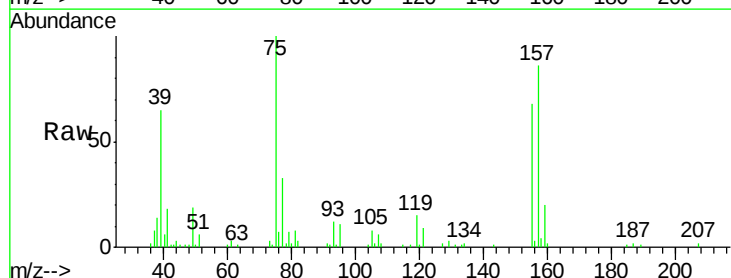
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

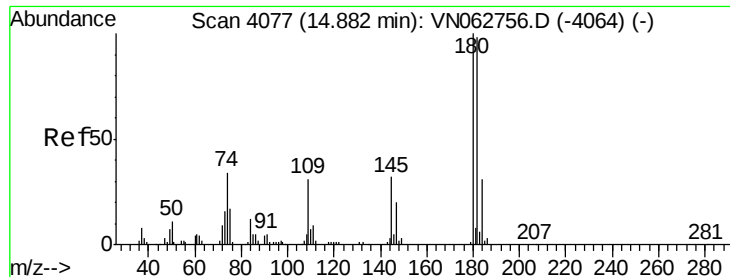
Tot Ion:146 Resp: 198952
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.8 68.4
 148 63.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.121 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion: 75 Resp: 33501
 Ion Ratio Lower Upper
 75 100
 155 69.3 35.0 105.1
 157 89.2 43.2 129.6

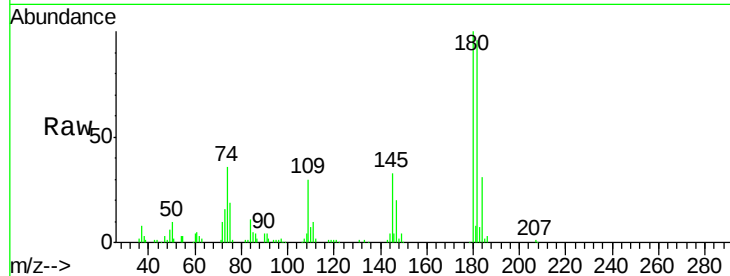




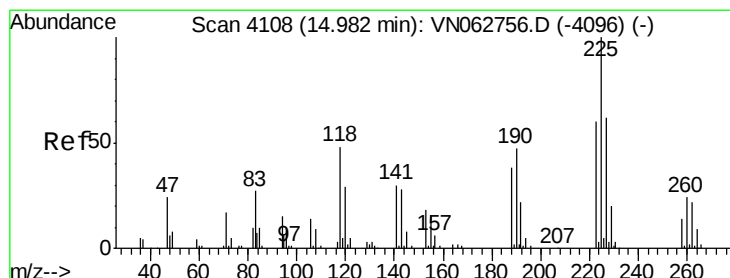
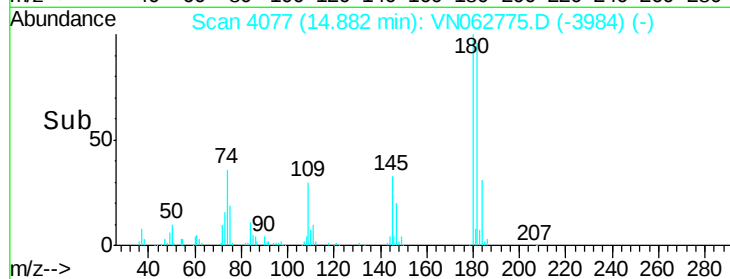
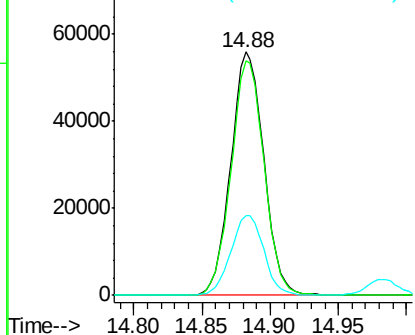
#93
 1,2,4-Trichlorobenzene
 Concen: 43.328 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 94092
 Ion Ratio Lower Upper
 180 100
 182 96.2 49.1 147.4
 145 32.8 16.3 48.8

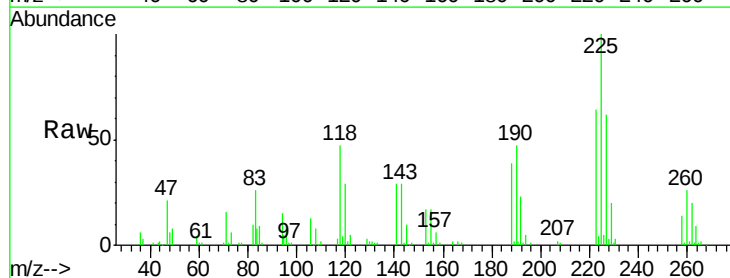


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

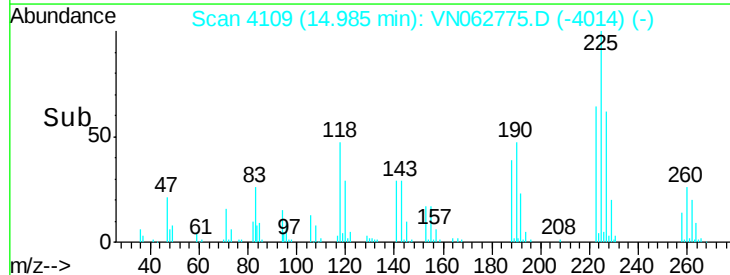
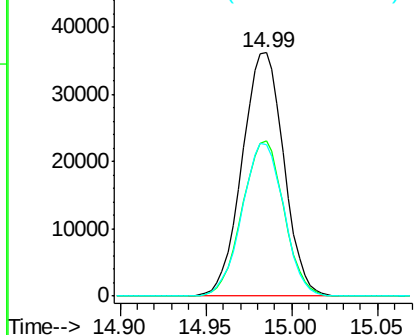


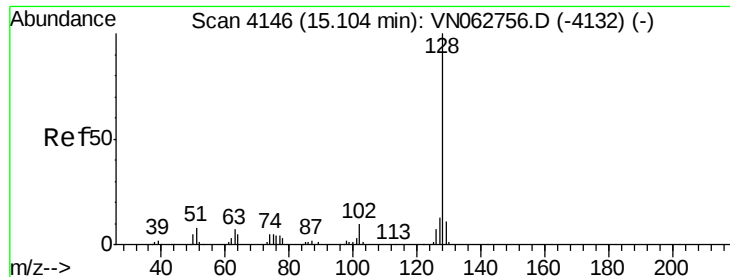
#94
 Hexachlorobutadiene
 Concen: 47.297 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062775.D
 Acq: 6 Aug 2020 18:44

Tgt Ion:225 Resp: 60970
 Ion Ratio Lower Upper
 225 100
 223 63.6 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

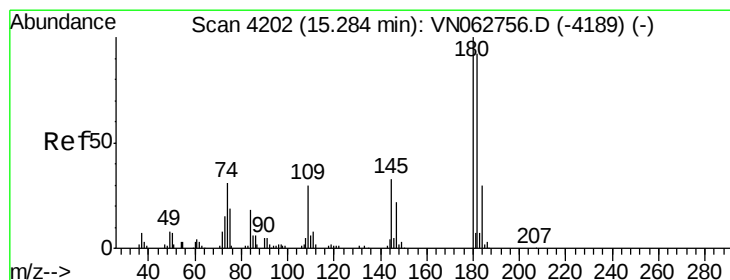
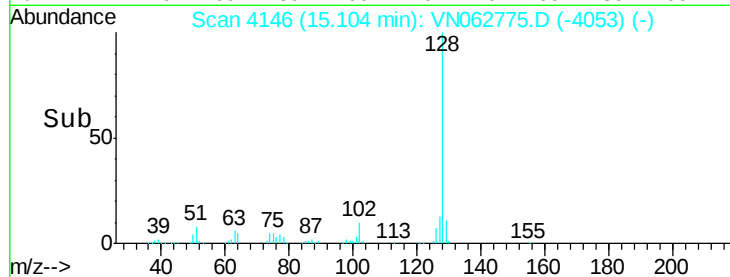
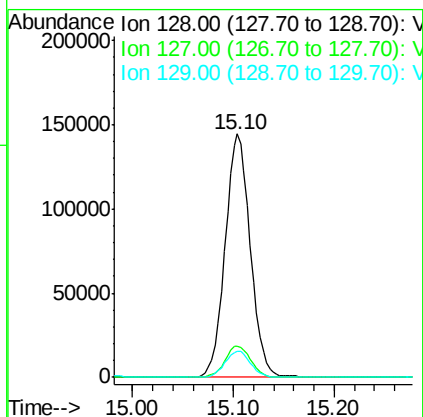
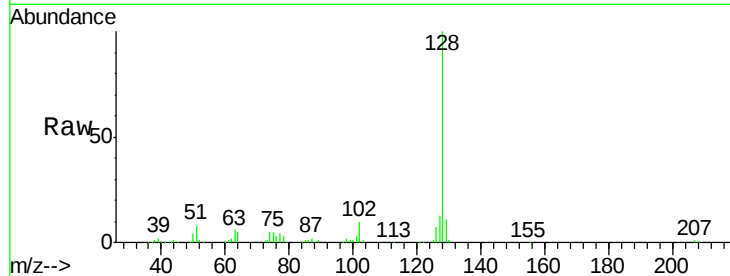




#95
Naphthalene
Concen: 42.521 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 251435
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 43.915 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062775.D
Acq: 6 Aug 2020 18:44

Tgt Ion:180 Resp: 94273
Ion Ratio Lower Upper
180 100
182 96.1 47.9 143.6
145 34.7 17.3 51.7

