

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
 Data File : VV017693.D
 Acq On : 28 Jul 2020 09:44
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 29 05:13:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 29 04:55:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	179182	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	172942	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	99538	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34695	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.58	69	29297	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.12	63	88866	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	3.95	46	55500	27.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	54.24%
24) Chloroform-d	4.37	84	98375	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.06	65	49922	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.07	84	165566	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.09	67	45160	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.33	98	164484	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
45) trans-1,3-Dichloropropene-	7.64	79	21432	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
48) 2-Hexanone-d5	8.11	63	64774	43.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.04%
59) 1,1,2,2-Tetrachloroethane-	10.23	84	32810	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	66017	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96333	4.906	ug/L 98
3) Chloromethane	1.25	50	62123	4.863	ug/L 96
5) Vinyl chloride	1.32	62	65167	5.091	ug/L 97
6) Bromomethane	1.53	94	41504	5.045	ug/L 95
8) Chloroethane	1.59	64	39406	5.332	ug/L 97
9) Trichlorofluoromethane	1.76	101	126426	5.522	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	57464	5.374	ug/L 97
12) 1,1-Dichloroethene	2.13	96	52775	5.470	ug/L 94
13) Acetone	2.23	43	79753	49.774	ug/L # 56
14) Carbon disulfide	2.31	76	151249	5.156	ug/L 96
15) Methyl Acetate	2.46	43	16235	5.207	ug/L 90
16) Methylene chloride	2.52	84	53321	4.966	ug/L 95
17) Methyl tert-butyl Ether	2.79	73	127462	5.154	ug/L 98
18) trans-1,2-Dichloroethene	2.77	96	57118	5.433	ug/L 99
19) 1,1-Dichloroethane	3.20	63	100477	4.545	ug/L 97
21) 2-Butanone	4.03	43	122128	45.139	ug/L 99
22) cis-1,2-Dichloroethene	3.93	96	66616	5.031	ug/L 97

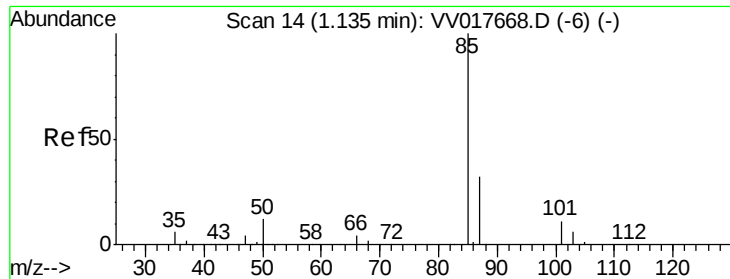
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 29 04:55:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	29975	4.913	ug/L	89
25) Chloroform	4.40	83	127050	5.120	ug/L	99
27) 1,2-Dichloroethane	5.15	62	80790	5.021	ug/L	96
29) 1,1,1-Trichloroethane	4.62	97	126961	5.247	ug/L	98
30) Cyclohexane	4.69	56	87554	4.567	ug/L	95
31) Carbon tetrachloride	4.85	117	116087	5.394	ug/L	98
33) Benzene	5.12	78	247138	5.048	ug/L	100
34) Trichloroethene	5.93	95	68212	4.989	ug/L	97
35) Methylcyclohexane	6.15	83	99982	4.834	ug/L	97
37) 1,2-Dichloropropane	6.19	63	54998	4.781	ug/L	99
38) Bromodichloromethane	6.53	83	89139	5.267	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	88053	5.075	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	290713	46.087	ug/L	99
42) Toluene	7.41	91	275961	5.168	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	270845	5.432	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	279809	5.493	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	77428	4.970	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	40466	4.638	ug/L	93
49) Tetrachloroethene	7.99	164	61244	5.080	ug/L	98
50) 2-Hexanone	8.16	43	213019	47.727	ug/L	99
51) Dibromochloromethane	8.27	129	58415	5.260	ug/L	98
52) 1,2-Dibromoethane	8.37	107	39753	4.828	ug/L	98
53) Chlorobenzene	8.90	112	182265	5.119	ug/L	99
54) Ethylbenzene	9.03	91	307082	5.136	ug/L	100
55) m,p-xylene	9.16	106	121311	5.387	ug/L	93
56) o-xylene	9.56	106	113166	5.179	ug/L	100
57) Styrene	9.58	104	199376	5.468	ug/L	99
58) Isopropylbenzene	9.95	105	322489	5.350	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	43438	4.569	ug/L	98
62) Bromoform	9.75	173	31158	4.891	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	163376	5.098	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	163975	5.099	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	145543	4.986	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	8546	4.681	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	133355	5.123	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	110270	5.064	ug/L	99
70) Naphthalene	13.52	128	139555	4.597	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	91035	4.718	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 4.906 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

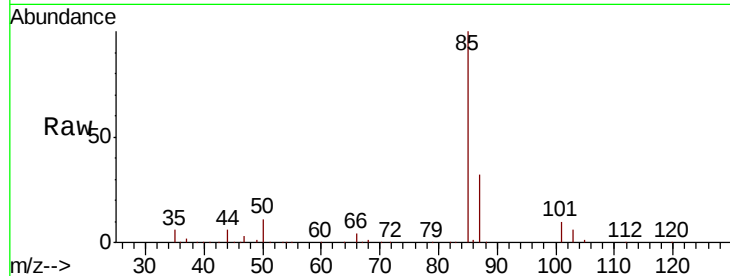
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 96333

Ion Ratio Lower Upper

85 100

87 32.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV017668.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017668.D (-6) (-)

1.14

120000

100000

80000

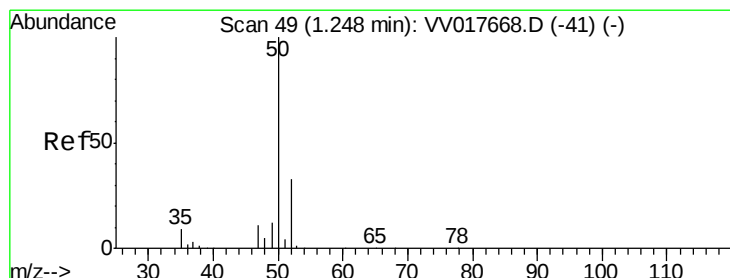
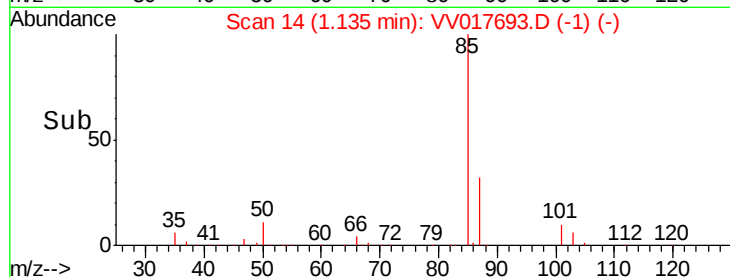
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.863 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017693.D

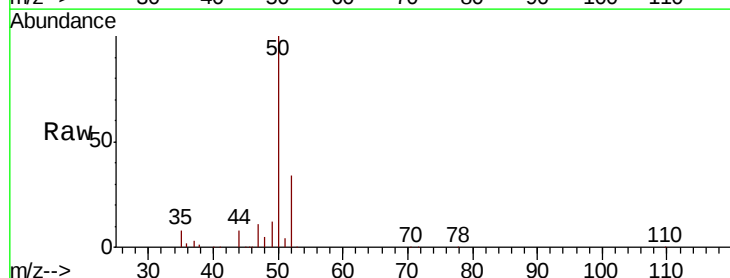
Acq: 28 Jul 2020 09:44

Tgt Ion: 50 Resp: 62123

Ion Ratio Lower Upper

50 100

52 33.6 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017668.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV017668.D (-41) (-)

1.25

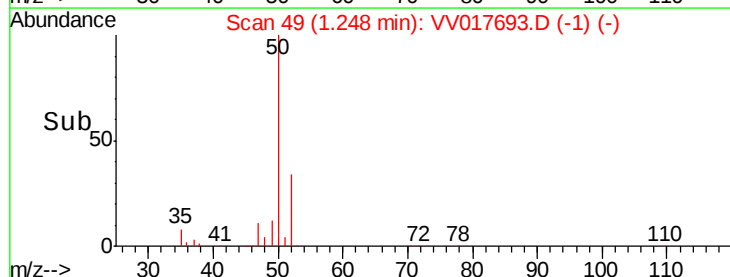
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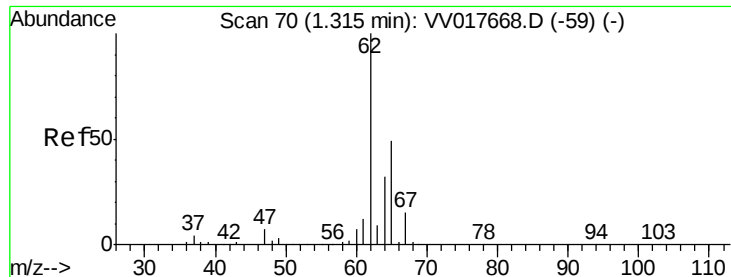
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.091 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

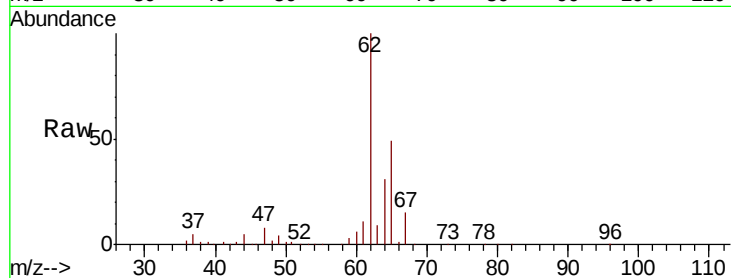
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 65167

Ion Ratio Lower Upper

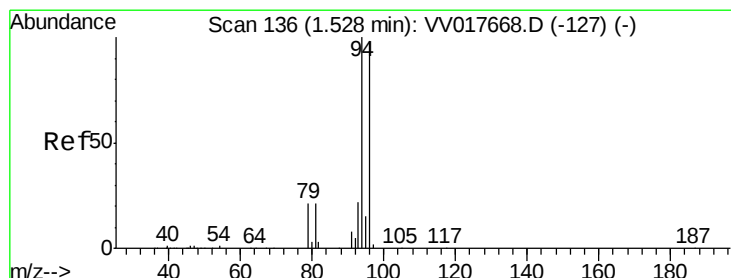
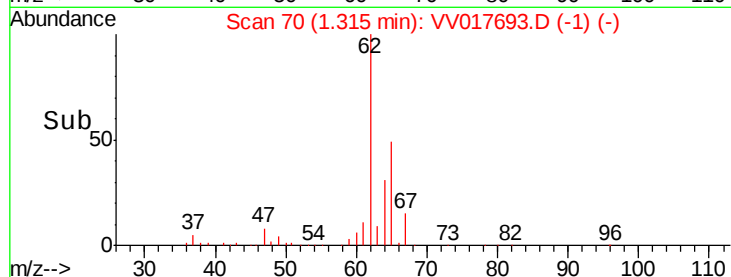
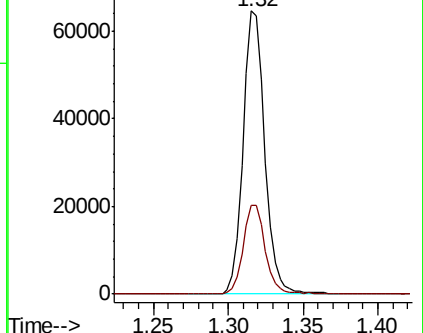
62 100

64 31.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017668.D (-59) (-)

Ion 64.10 (63.80 to 64.80): VV017668.D (-59) (-)



#6

Bromomethane

Concen: 5.045 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017693.D

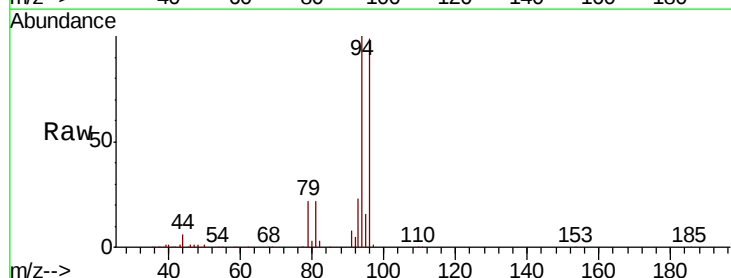
Acq: 28 Jul 2020 09:44

Tgt Ion: 94 Resp: 41504

Ion Ratio Lower Upper

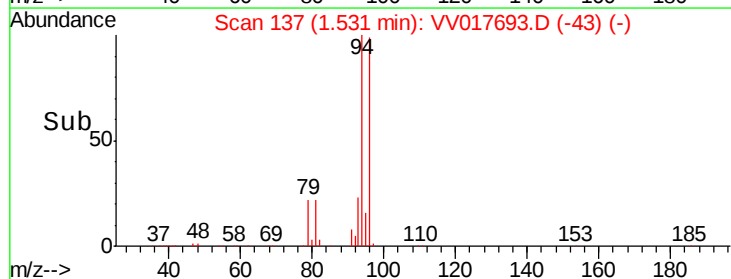
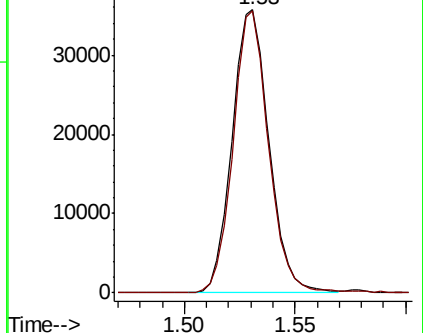
94 100

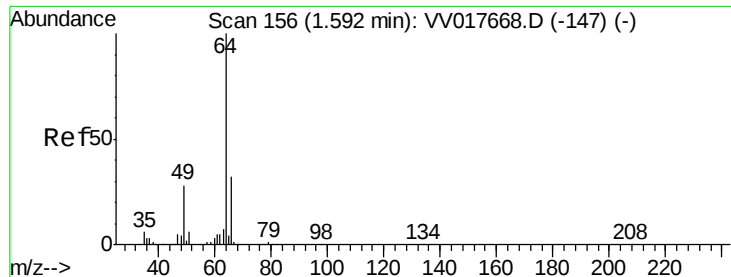
96 99.5 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017668.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017668.D (-127) (-)

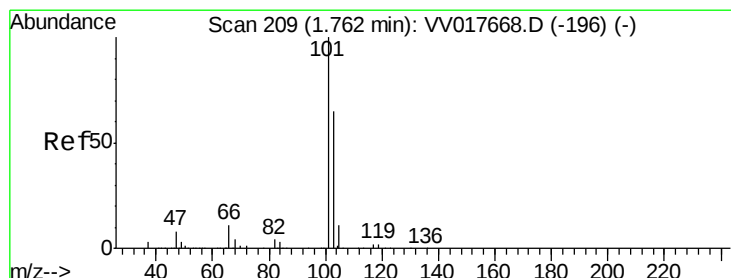
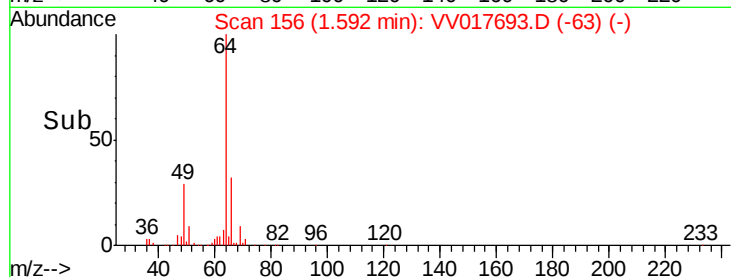
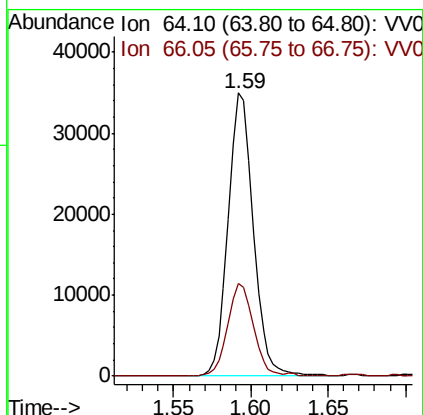
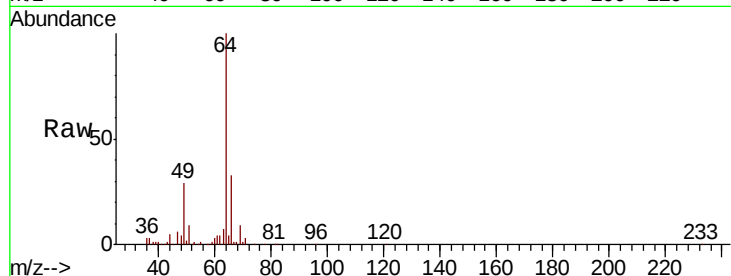




#8
 Chloroethane
 Concen: 5.332 ug/L
 RT: 1.59 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

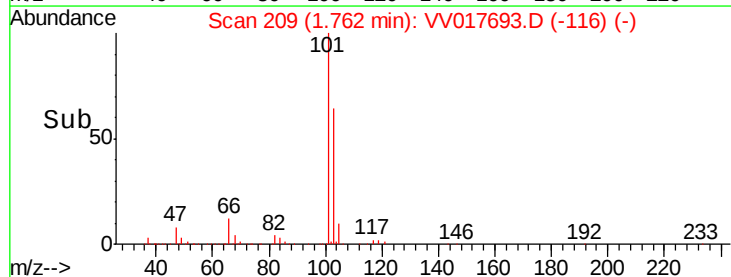
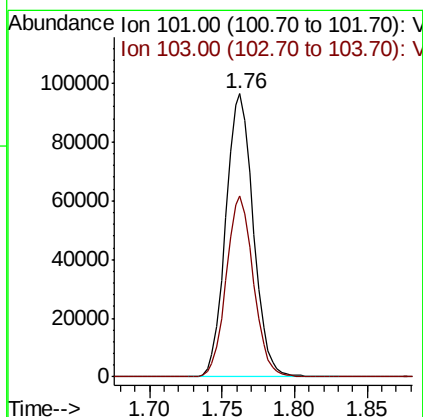
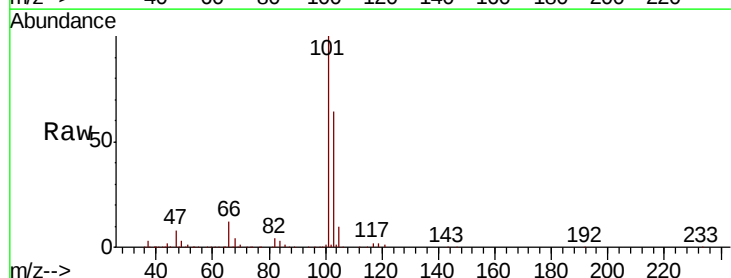
Instrument :
 MSVOA_V
 ClientSampleId :

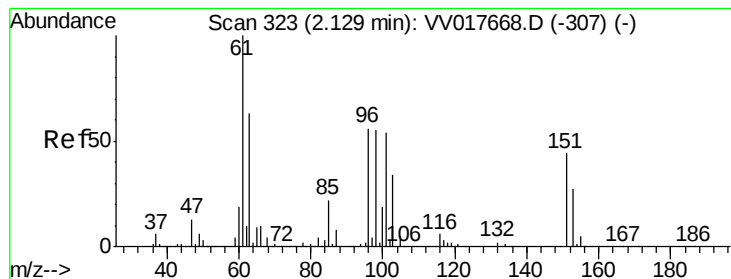
Tot Ion: 64 Resp: 39406
 Ion Ratio Lower Upper
 64 100
 66 32.7 24.0 44.6



#9
 Trichlorofluoromethane
 Concen: 5.522 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion:101 Resp: 126426
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.374 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

Instrument :

MSVOA_V

ClientSampled :

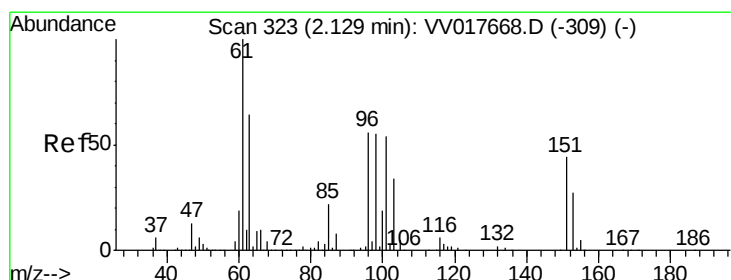
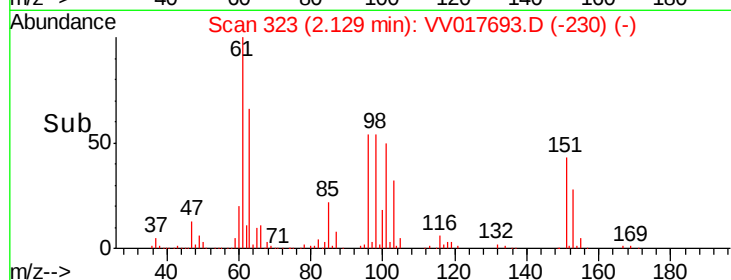
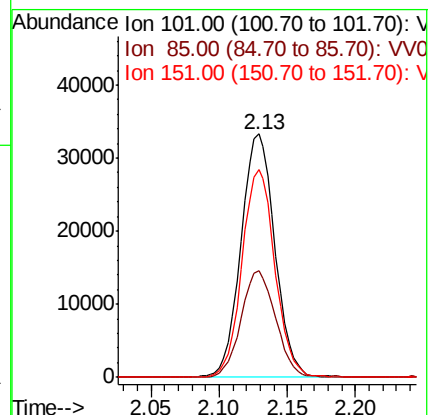
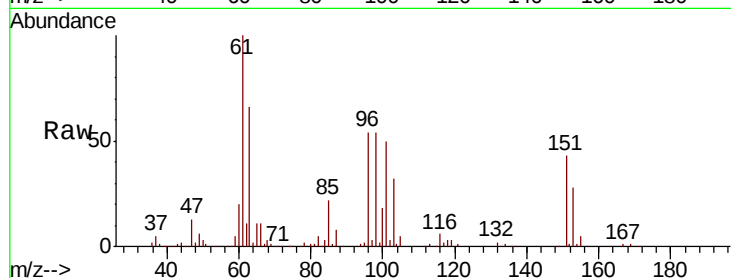
Tot Ion:101 Resp: 57464

Ion Ratio Lower Upper

101 100

85 44.6 34.6 51.8

151 82.9 63.5 95.3



#12

1,1-Dichloroethene

Concen: 5.470 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

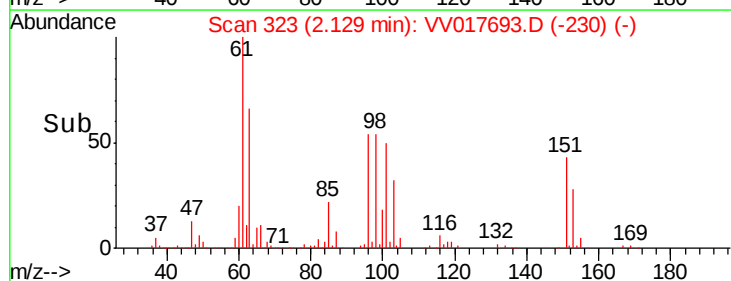
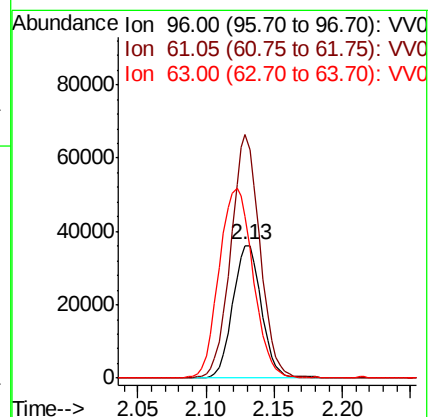
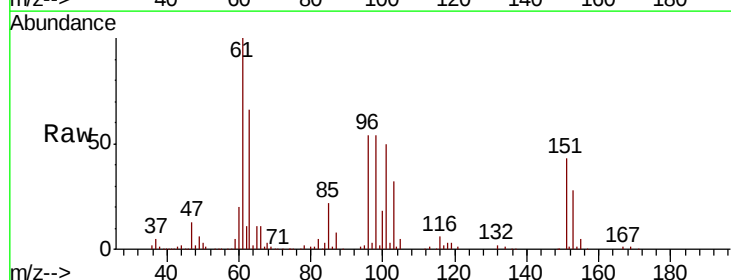
Tgt Ion: 96 Resp: 52775

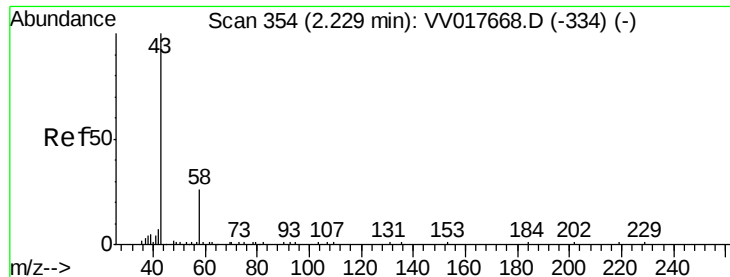
Ion Ratio Lower Upper

96 100

61 183.6 123.1 228.7

63 121.7 91.2 169.4





#13

Acetone

Concen: 49.774 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

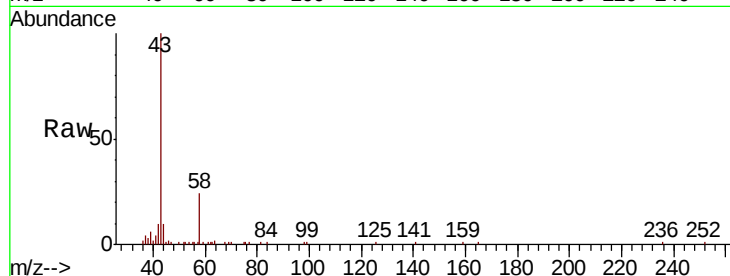
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 79753

Ion Ratio Lower Upper

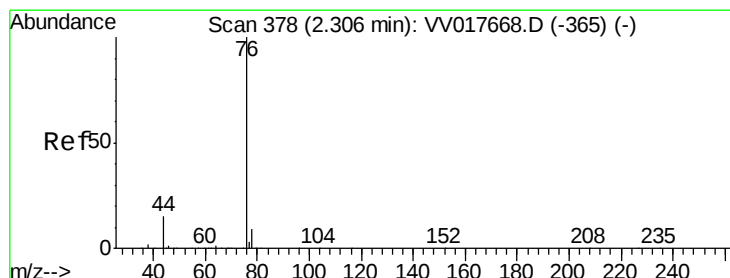
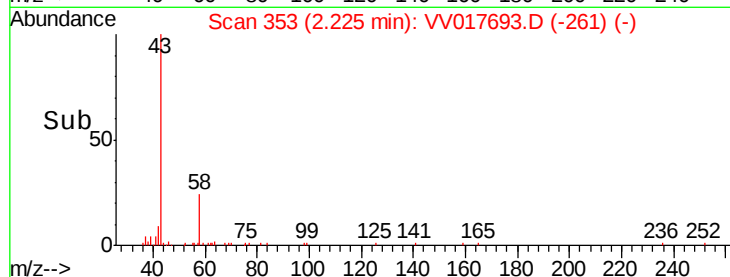
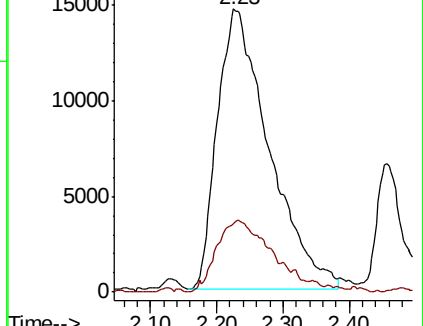
43 100

58 25.4 0.0 18.6#



Abundance Ion 43.05 (42.75 to 43.75): VV017668.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV017668.D (-334) (-)



#14

Carbon disulfide

Concen: 5.156 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017693.D

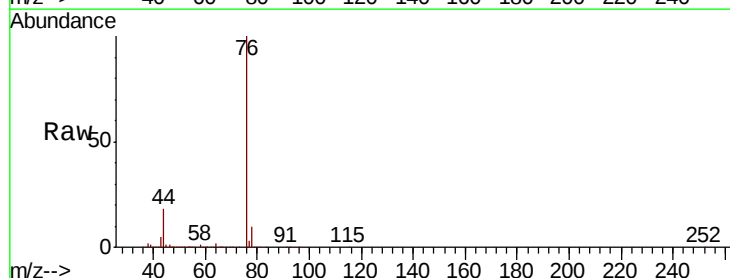
Acq: 28 Jul 2020 09:44

Tgt Ion: 76 Resp: 151249

Ion Ratio Lower Upper

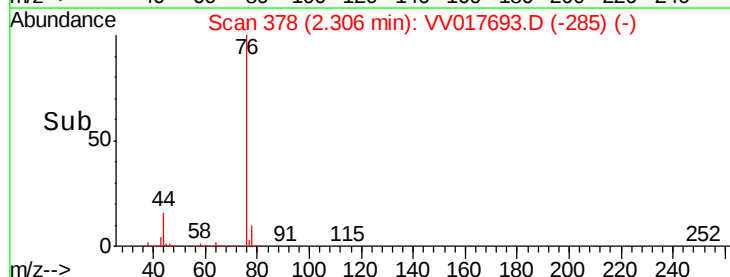
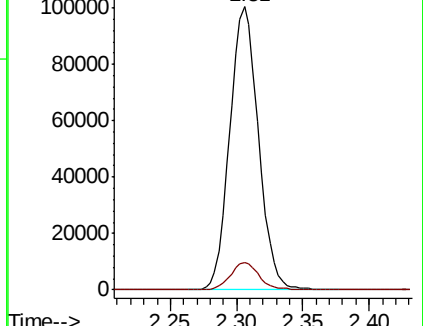
76 100

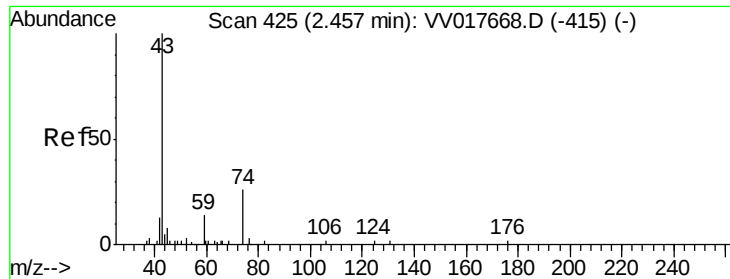
78 9.7 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV017668.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV017668.D (-365) (-)

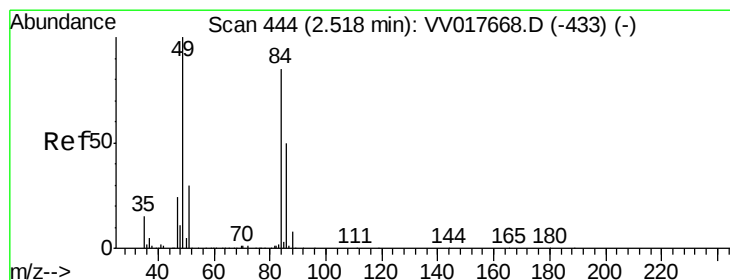
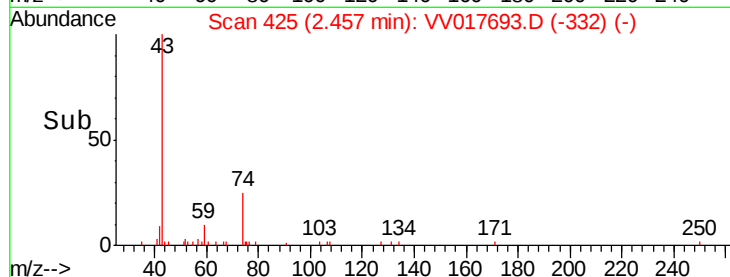
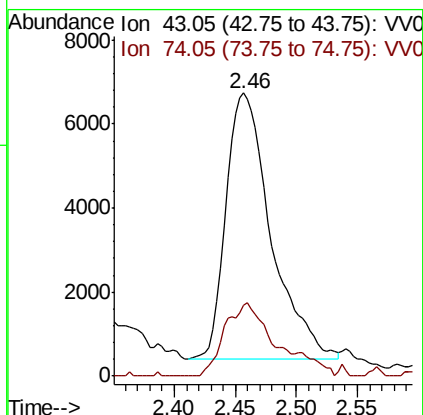
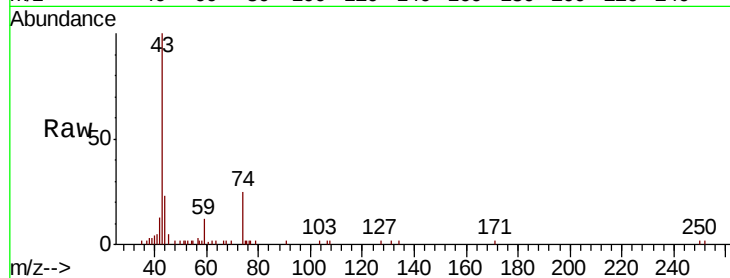




#15
Methvl Acetate
Concen: 5.207 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

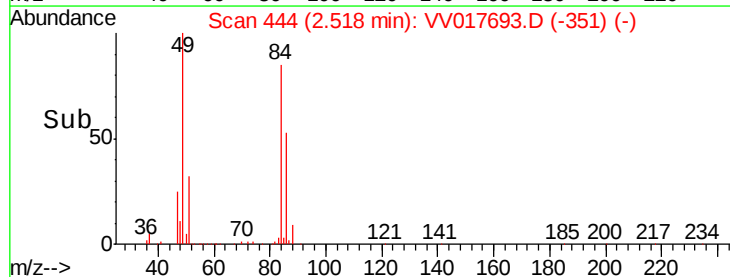
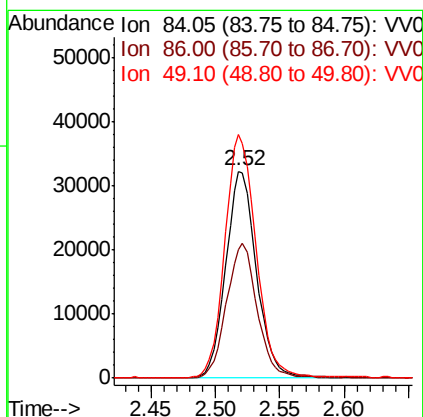
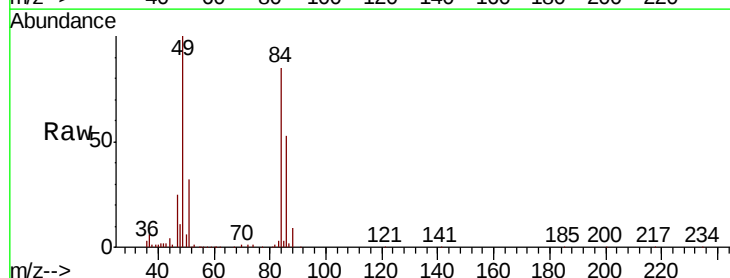
Instrument :
MSVOA_V
ClientSampleId :

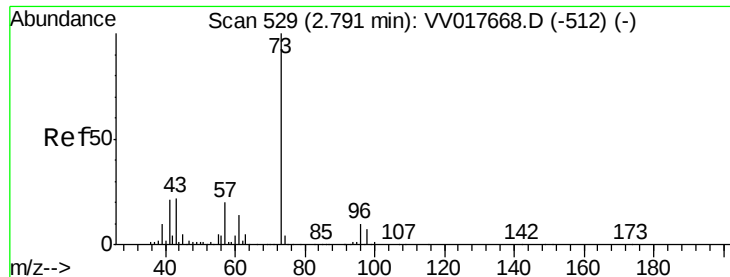
Tot Ion: 43 Resp: 16235
Ion Ratio Lower Upper
43 100
74 27.9 26.6 40.0



#16
Methylene chloride
Concen: 4.966 ug/L
RT: 2.52 min Scan# 444
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Tgt Ion: 84 Resp: 53321
Ion Ratio Lower Upper
84 100
86 62.1 46.5 86.3
49 117.7 79.2 147.2

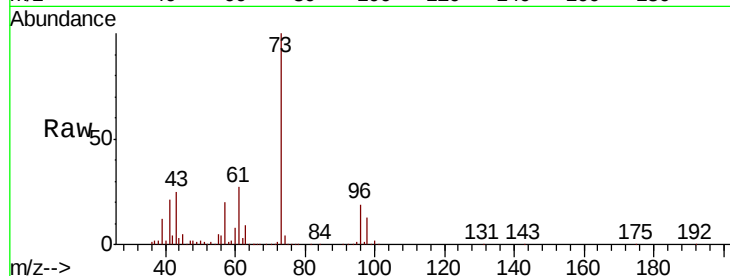




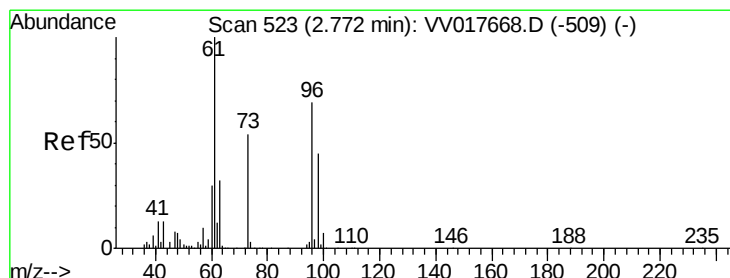
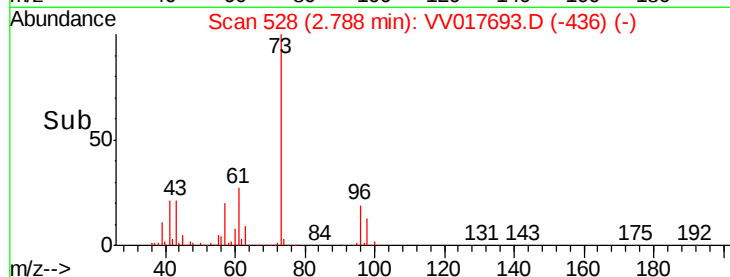
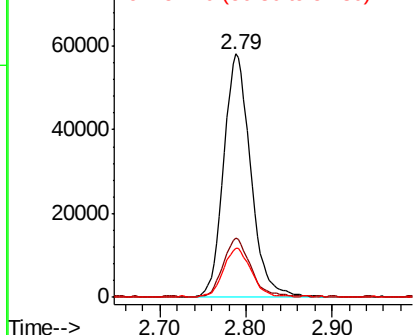
#17
Methvl tert-butvl Ether
Concen: 5.154 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 127462
Ion Ratio Lower Upper
73 100
43 24.7 18.3 27.5
57 20.8 16.7 25.1

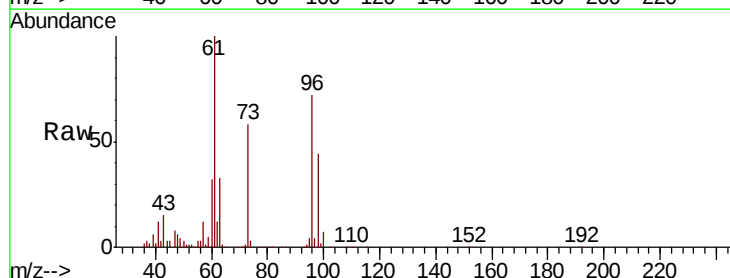


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

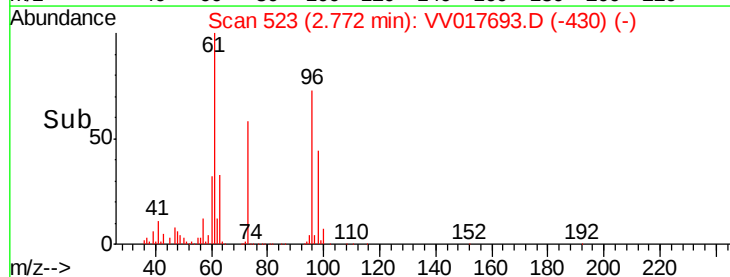
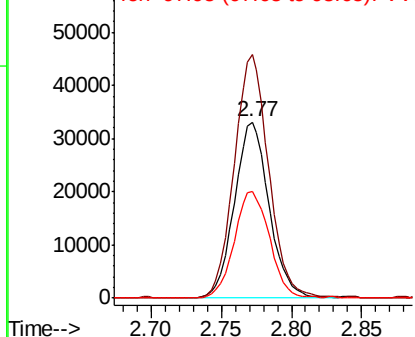


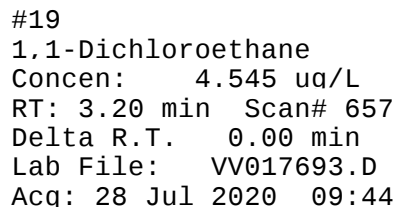
#18
trans-1,2-Dichloroethene
Concen: 5.433 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Tgt Ion: 96 Resp: 57118
Ion Ratio Lower Upper
96 100
61 138.3 96.0 178.4
98 60.4 43.5 80.9



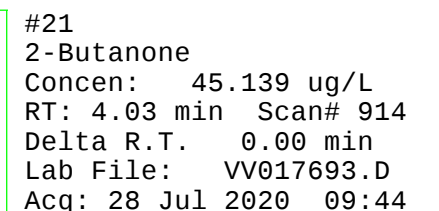
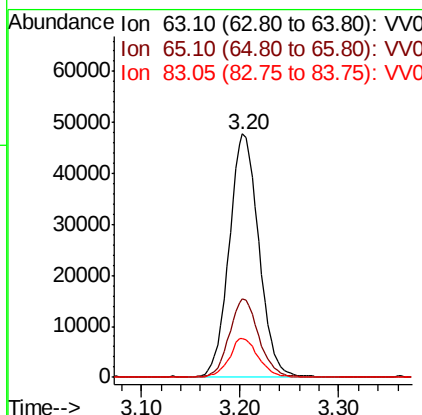
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



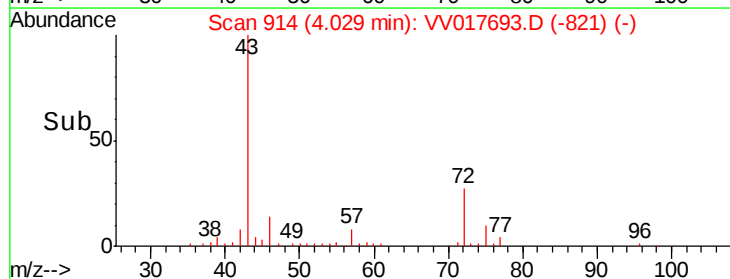
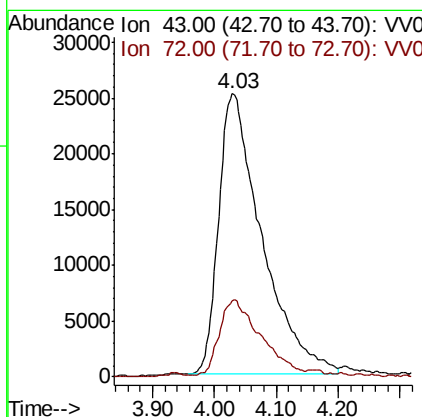


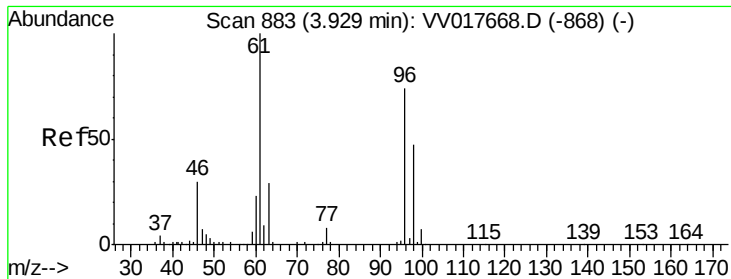
Instrument :
MSVOA_V
ClientSampleId :

Tqt	Ion: 63	Resp:	100477
Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.4	39.8
83	16.0	10.4	19.4



Tgt	Ion: 43	Resp:	122128
Ion	Ratio	Lower	Upper
43	100		
72	26.3	13.0	38.9



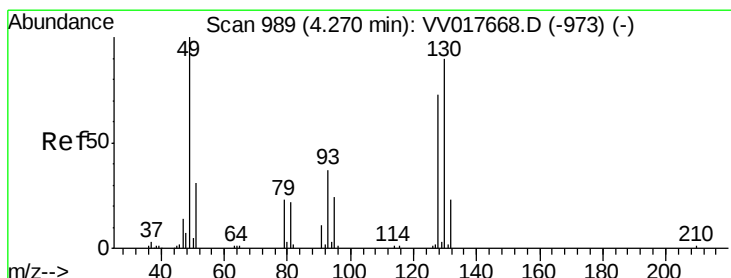
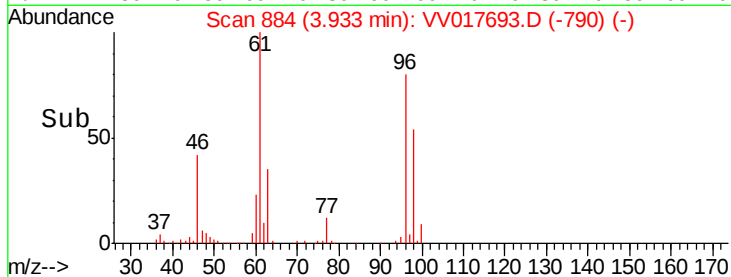
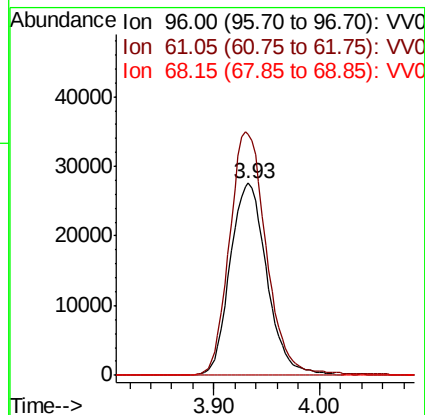
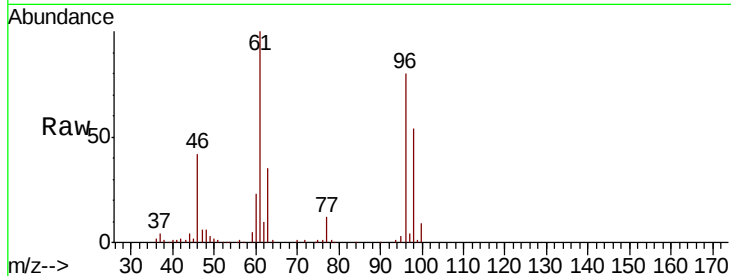


#22

cis-1,2-Dichloroethene
 Concen: 5.031 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Instrument :
 MSVOA_V
 ClientSampleId :

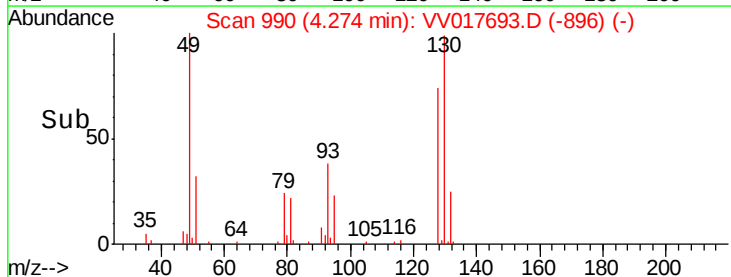
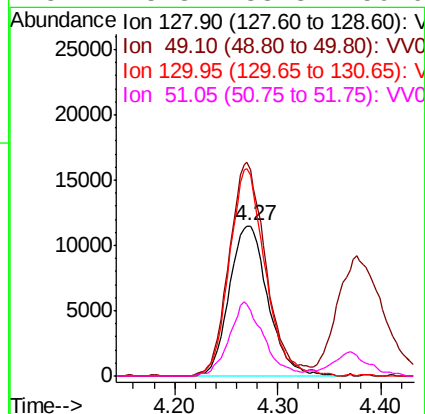
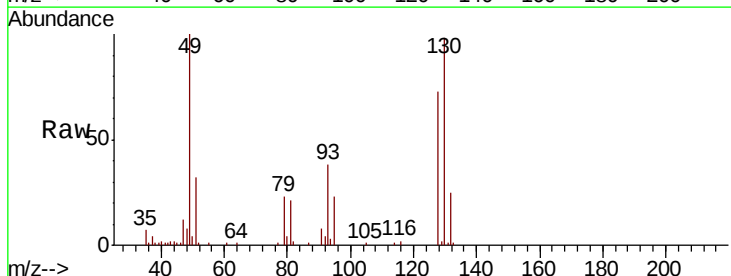
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.1	89.6	166.4
68	0.0	0.0	0.0

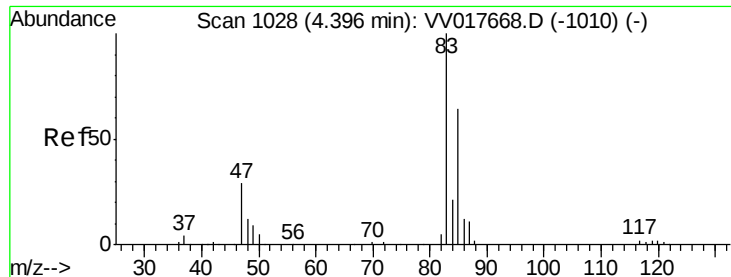


#23

Bromochloromethane
 Concen: 4.913 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	136.8	92.2	171.2
130	133.9	77.2	143.4
51	43.3	33.8	50.6

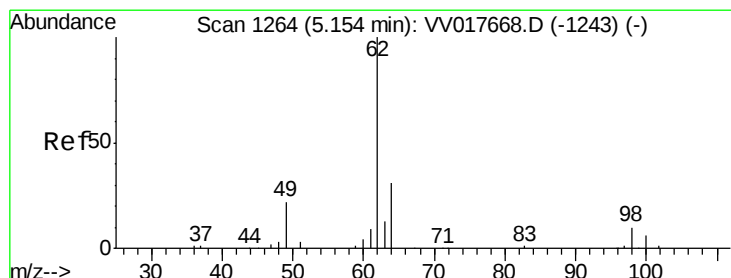
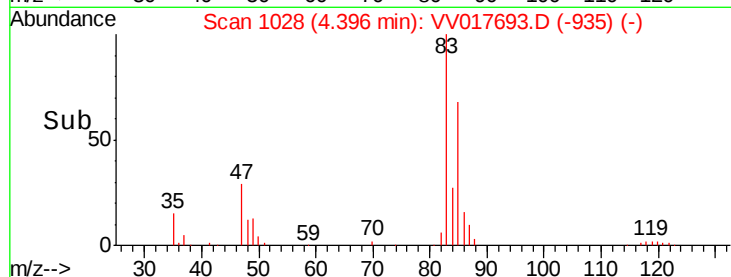
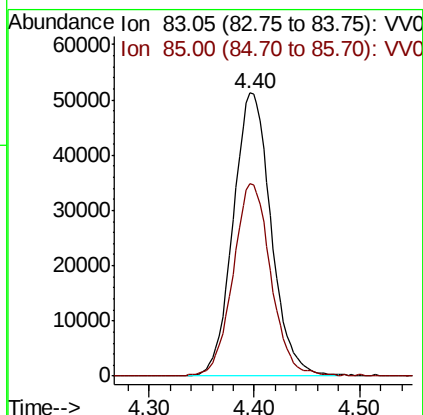
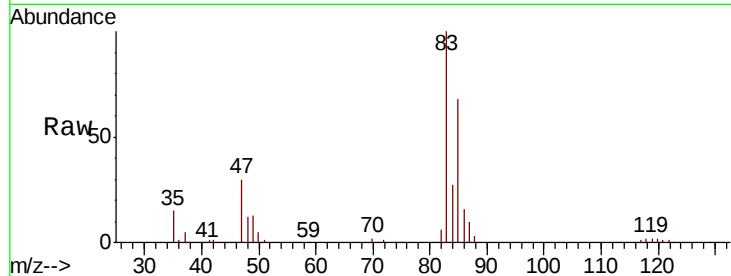




#25
 Chloroform
 Concen: 5.120 ug/L
 RT: 4.40 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

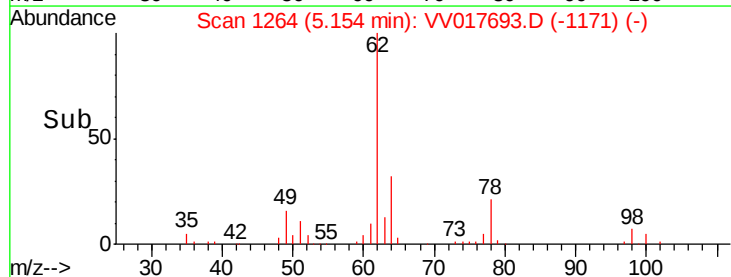
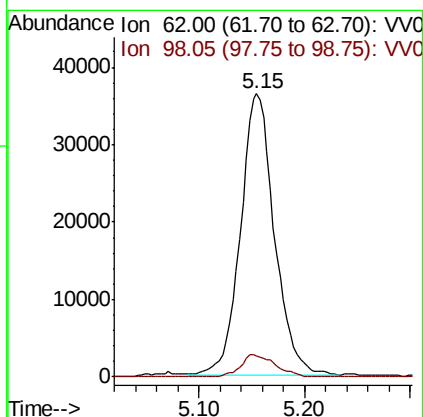
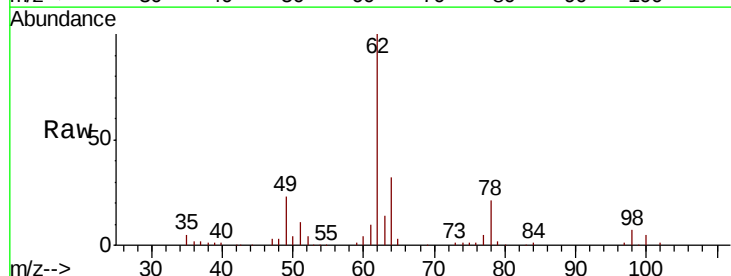
Instrument :
 MSVOA_V
 ClientSampled :

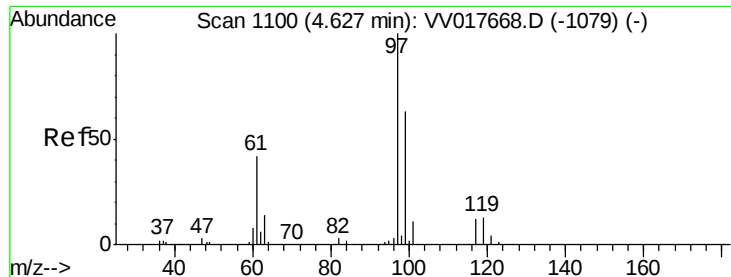
Tot Ion: 83 Resp: 127050
 Ion Ratio Lower Upper
 83 100
 85 68.2 47.3 87.9



#27
 1,2-Dichloroethane
 Concen: 5.021 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion: 62 Resp: 80790
 Ion Ratio Lower Upper
 62 100
 98 7.5 7.0 10.6

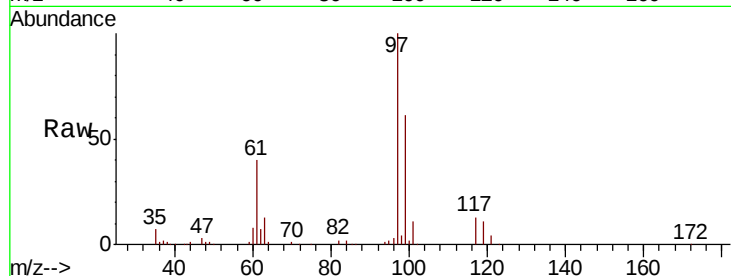




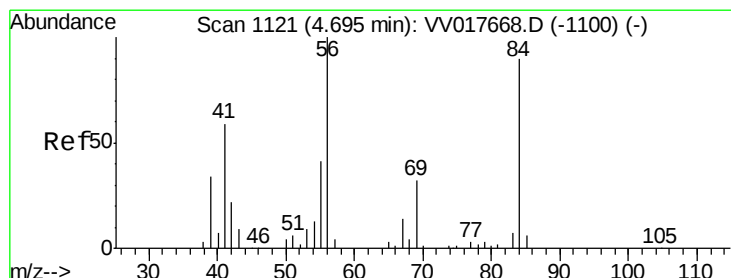
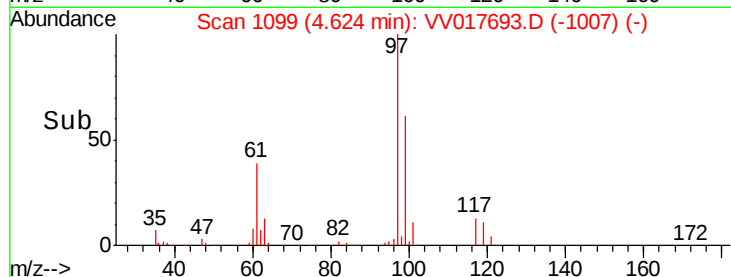
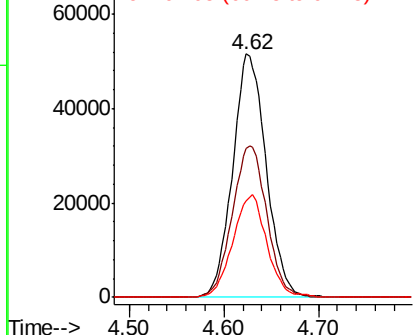
#29
1,1,1-Trichloroethane
Concen: 5.247 ug/L
RT: 4.62 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 126961
Ion Ratio Lower Upper
97 100
99 64.0 50.6 76.0
61 42.9 35.7 53.5

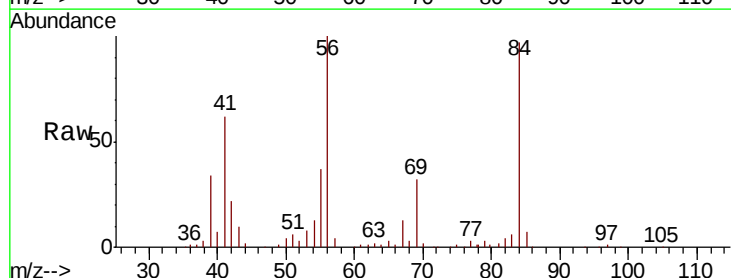


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

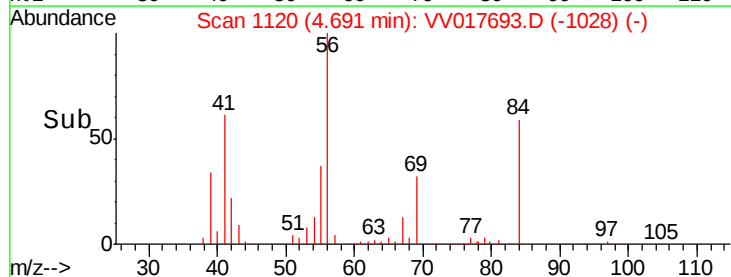
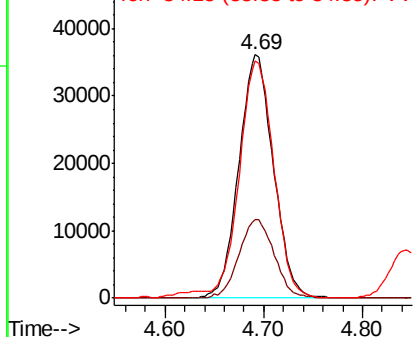


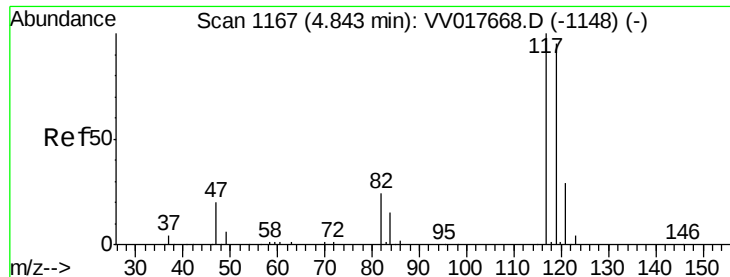
#30
Cyclohexane
Concen: 4.567 ug/L
RT: 4.69 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Tgt Ion: 56 Resp: 87554
Ion Ratio Lower Upper
56 100
69 32.9 25.4 38.2
84 96.9 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

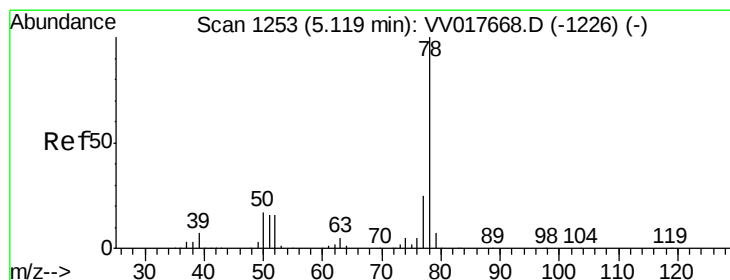
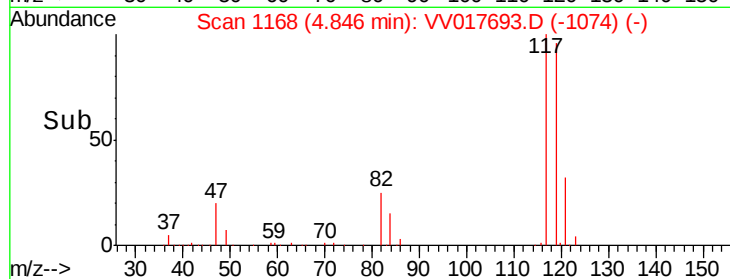
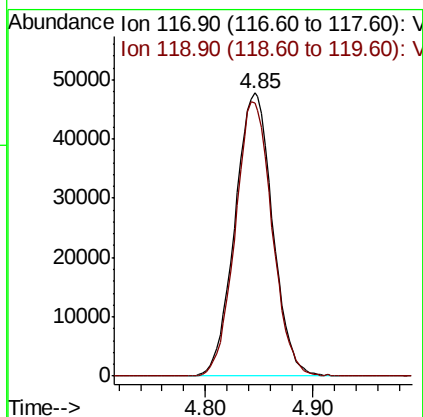
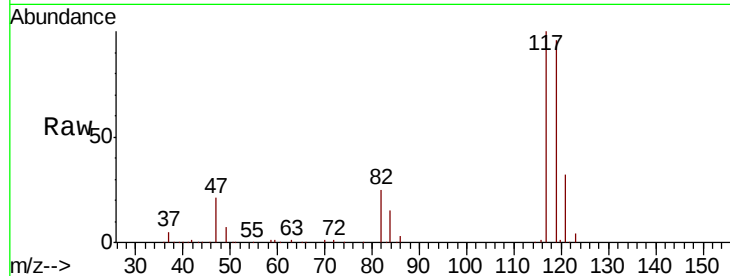




#31
Carbon tetrachloride
Concen: 5.394 ug/L
RT: 4.85 min Scan# 1168
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

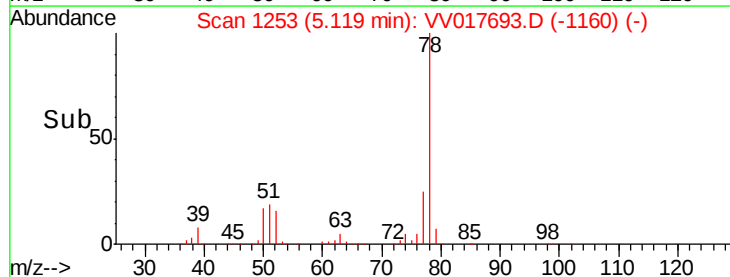
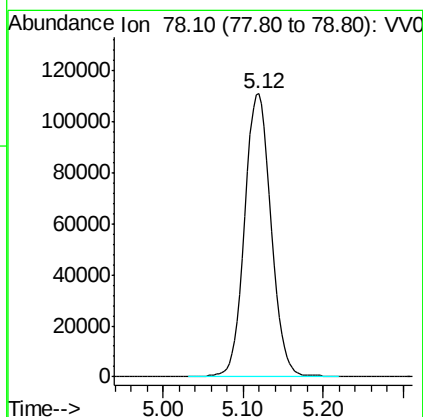
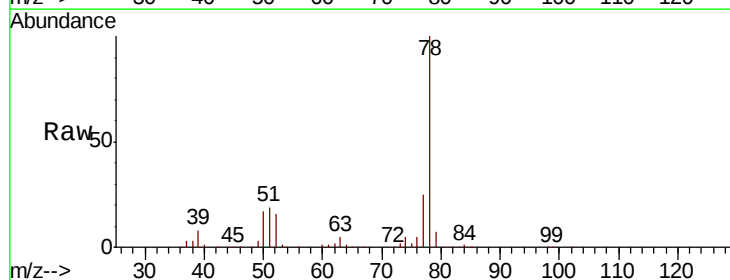
Instrument :
MSVOA_V
ClientSampleId :

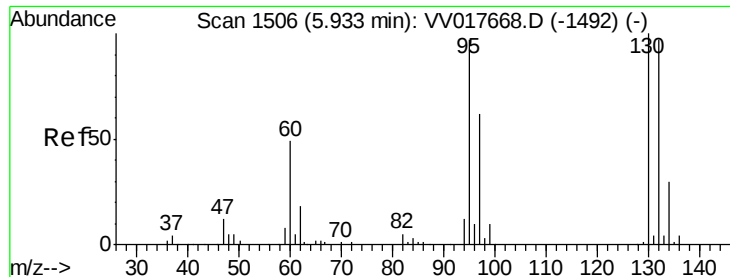
Tot Ion:117 Resp: 116087
Ion Ratio Lower Upper
117 100
119 94.6 76.9 115.3



#33
Benzene
Concen: 5.048 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Tgt Ion: 78 Resp: 247138





#34

Trichloroethene

Concen: 4.989 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 68212

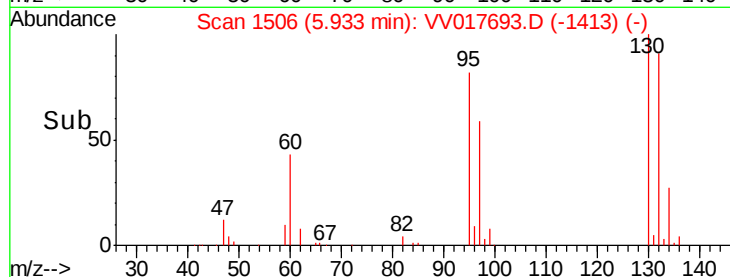
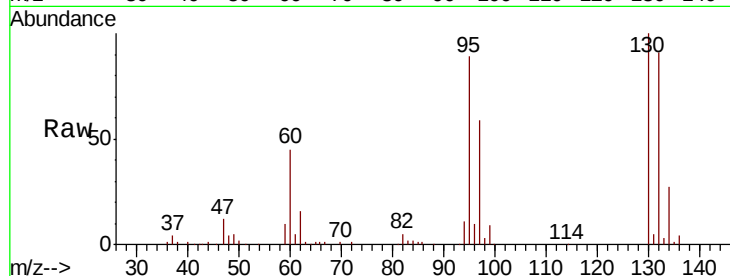
Ion Ratio Lower Upper

95 100

97 66.4 46.1 85.5

132 102.7 71.7 133.1

130 112.2 74.3 137.9

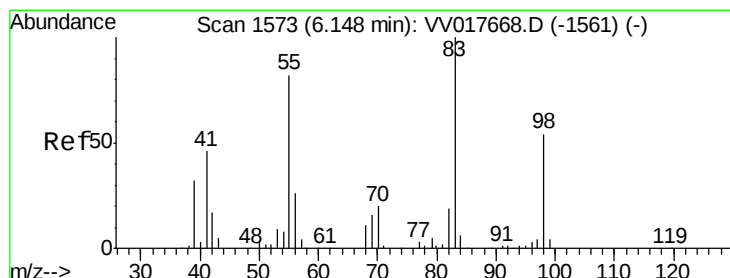
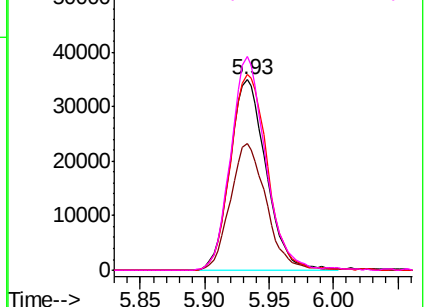


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.834 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

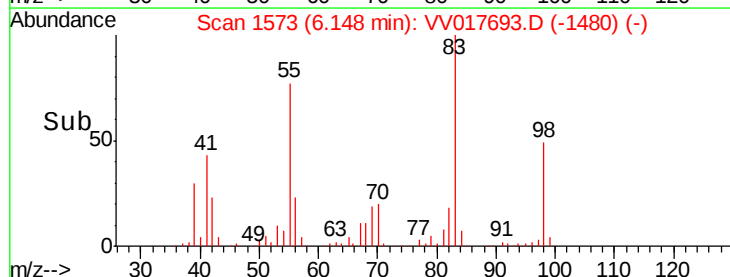
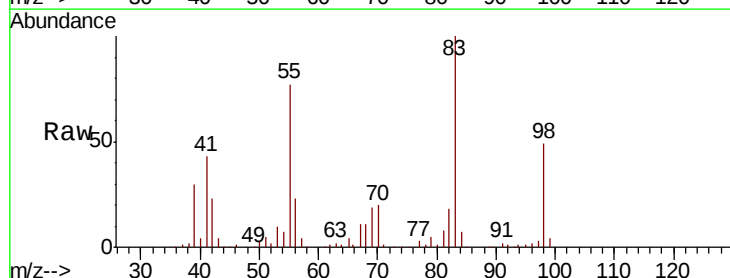
Tgt Ion: 83 Resp: 99982

Ion Ratio Lower Upper

83 100

55 76.0 61.8 92.8

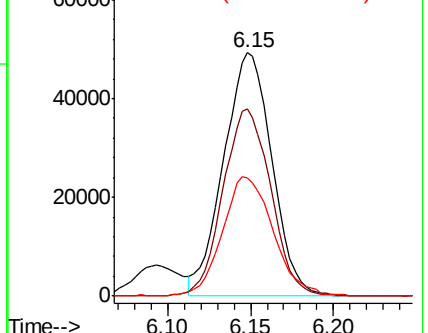
98 51.6 39.0 58.6

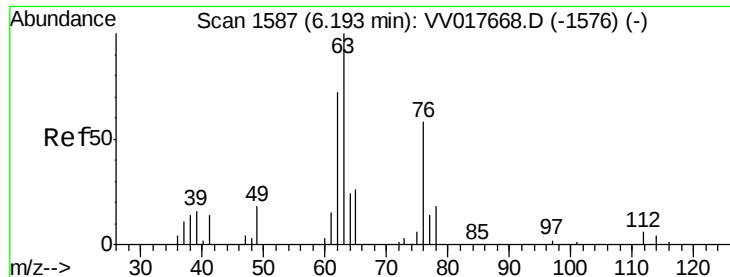


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

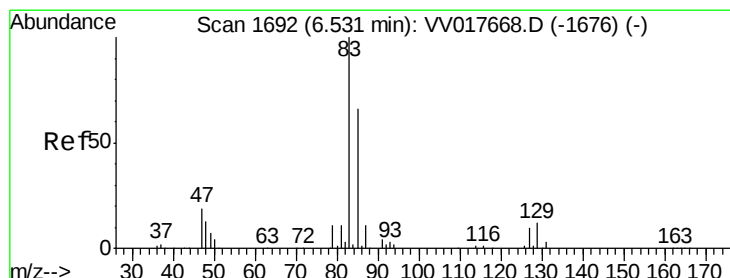
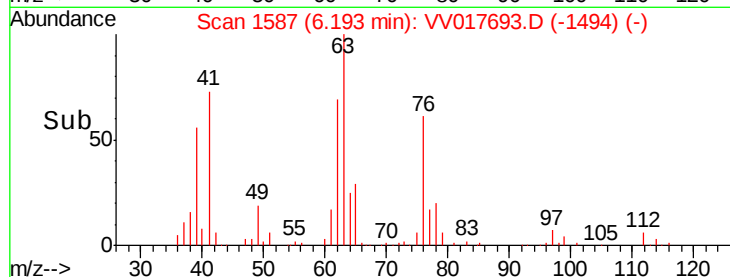
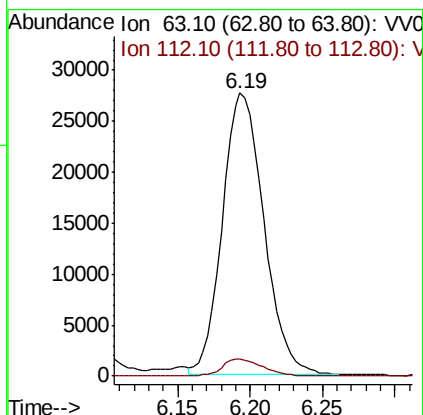
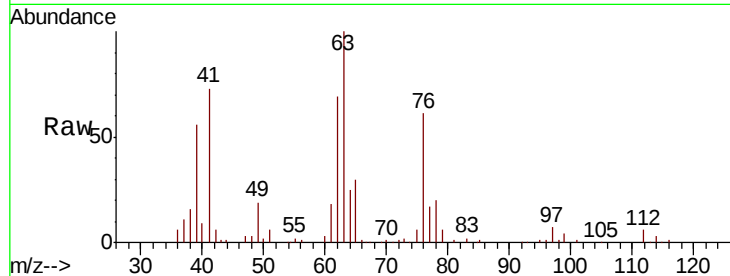




#37
 1,2-Dichloropropane
 Concen: 4.781 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

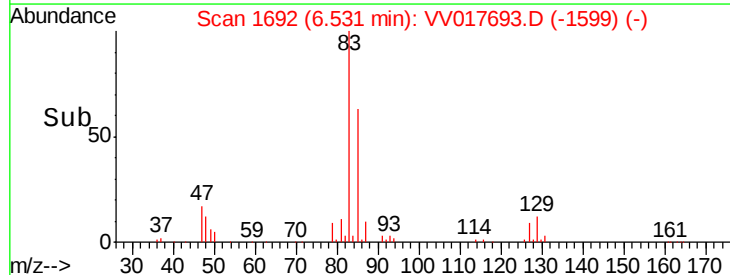
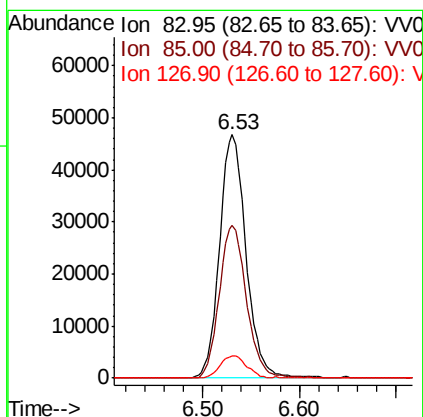
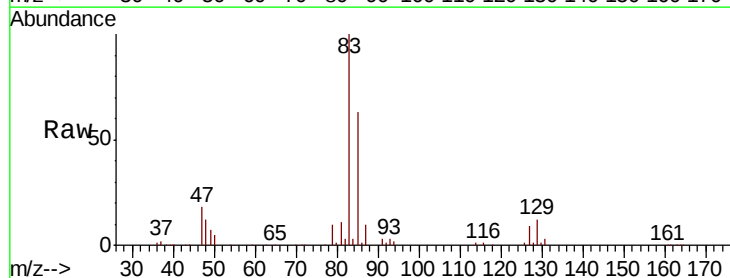
Instrument :
 MSVOA_V
 ClientSampleId :

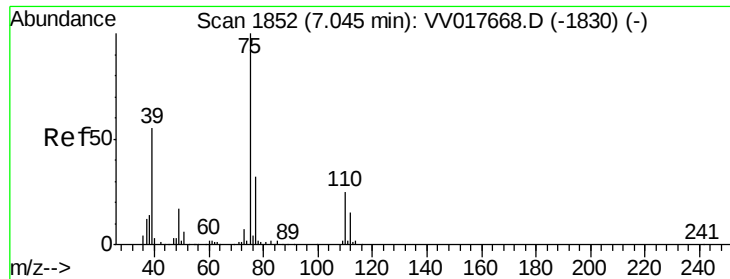
Tot Ion: 63 Resp: 54998
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.5 6.7



#38
 Bromodichloromethane
 Concen: 5.267 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion: 83 Resp: 89139
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.7 83.1
 127 9.2 7.4 11.0

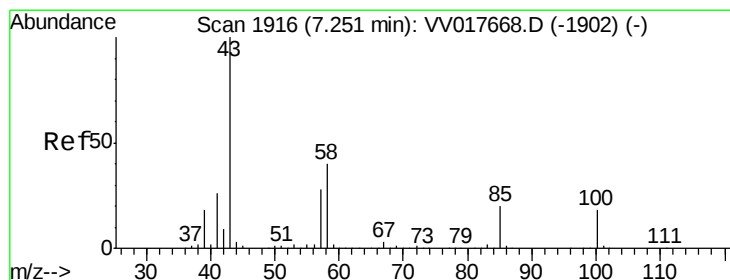
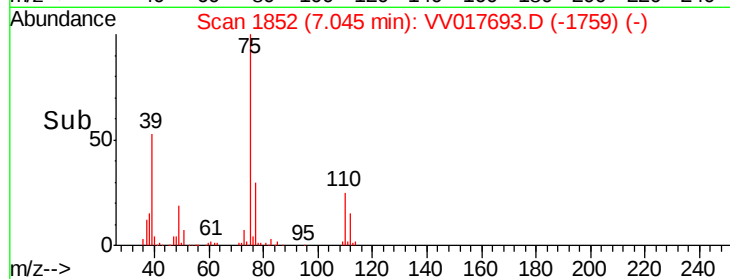
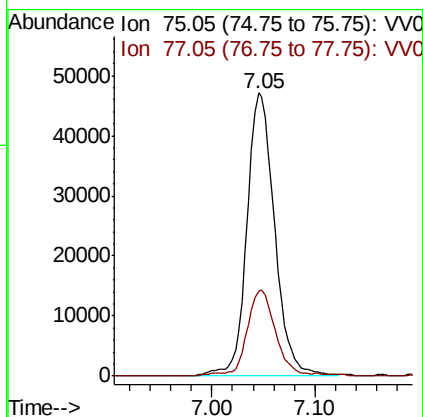
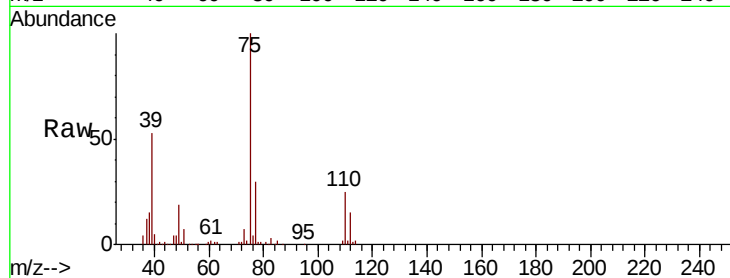




#39
 cis-1,3-Dichloropropene
 Concen: 5.075 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

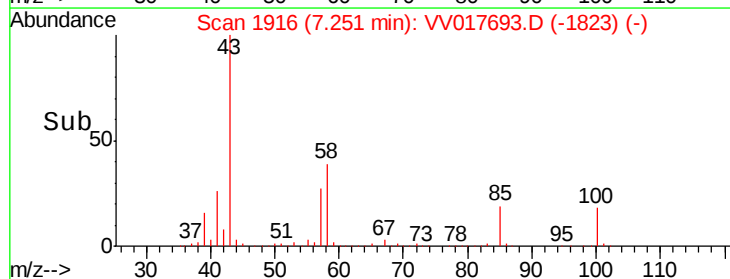
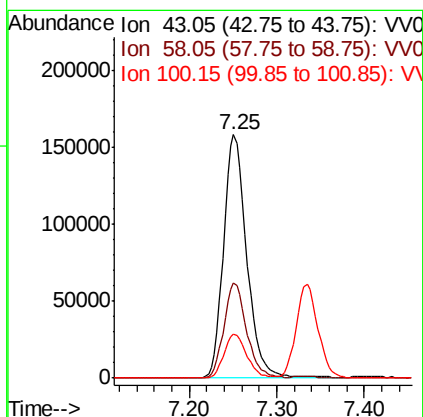
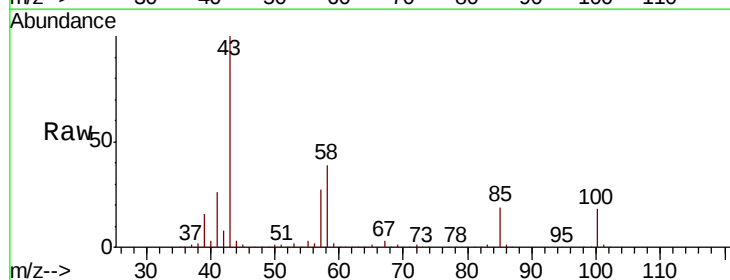
Instrument :
 MSVOA_V
 ClientSampled :

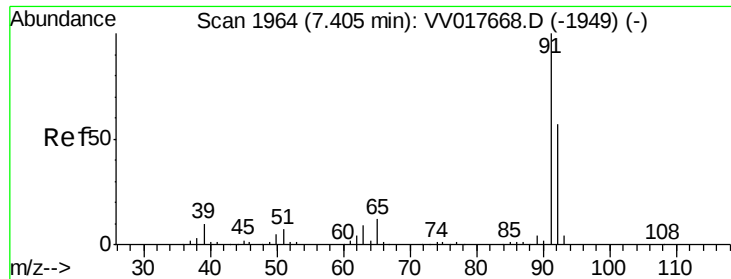
Tot Ion: 75 Resp: 88053
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 46.087 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion: 43 Resp: 290713
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.2 46.8
 100 17.7 13.6 20.4





#42

Toluene

Concen: 5.168 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

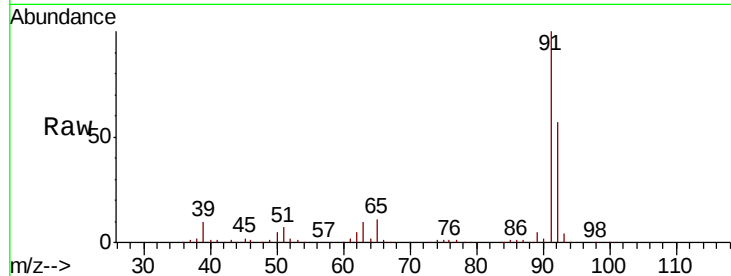
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 275961

Ion Ratio Lower Upper

91 100

92 56.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017668.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017668.D (-1949) (-)

7.41

150000

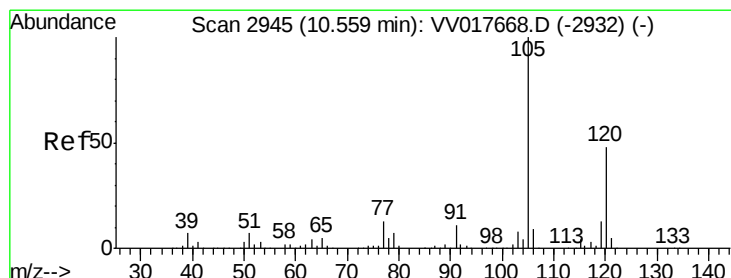
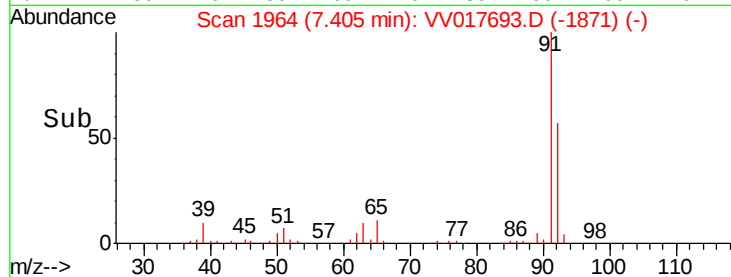
100000

50000

0

7.30 7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.432 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017693.D

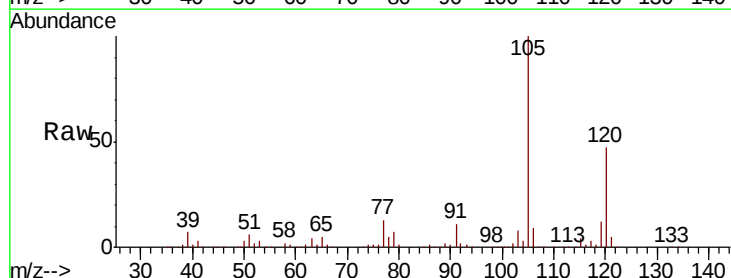
Acq: 28 Jul 2020 09:44

Tgt Ion:105 Resp: 270845

Ion Ratio Lower Upper

105 100

120 48.4 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017668.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017668.D (-2932) (-)

10.56

200000

150000

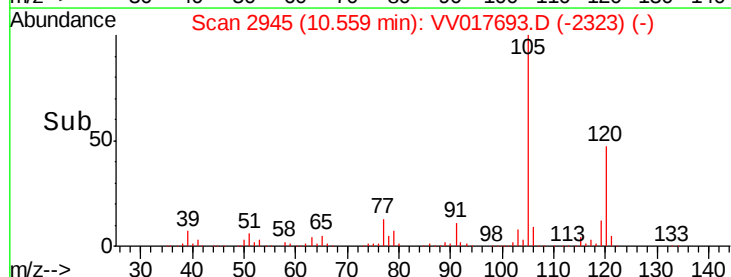
100000

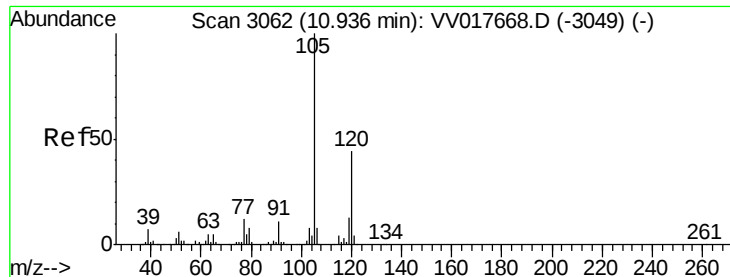
50000

0

10.50 10.55 10.60 10.65

Time-->

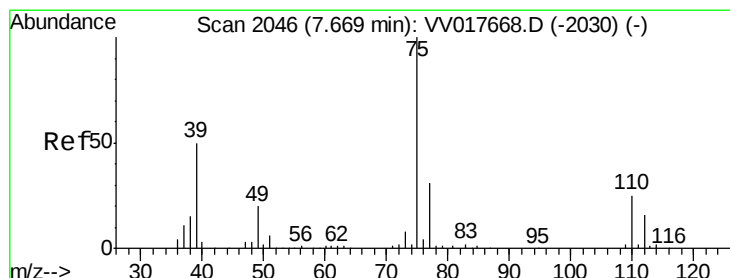
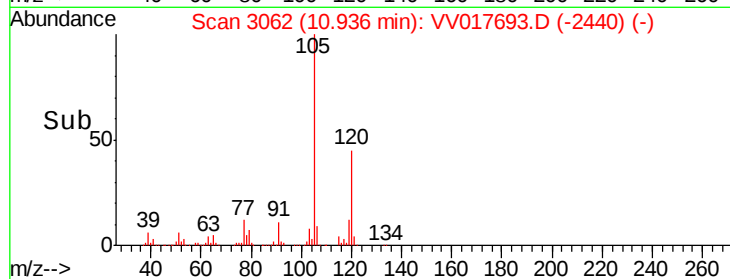
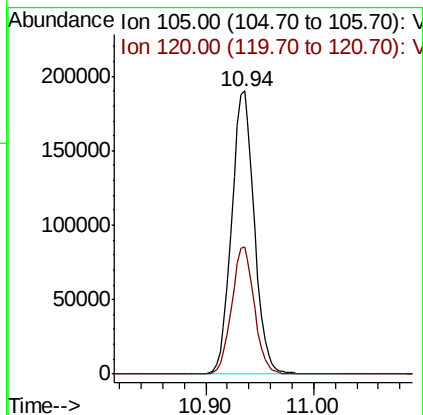
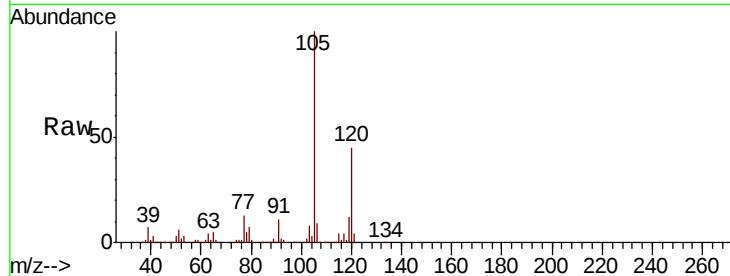




#44
 1,2,4-Trimethylbenzene
 Concen: 5.493 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

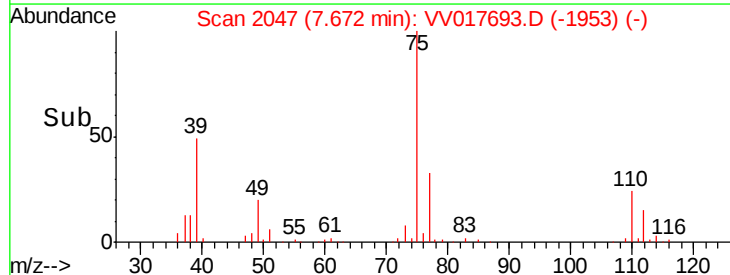
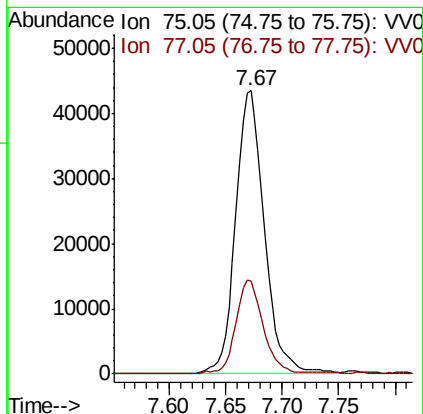
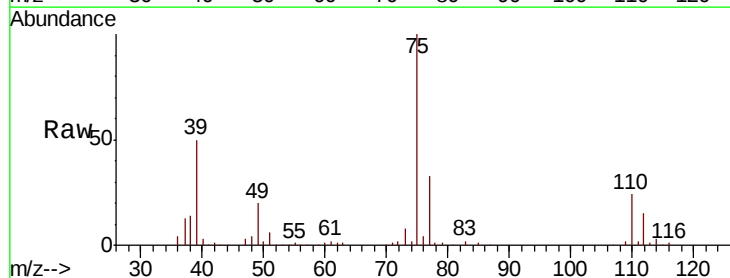
Instrument :
 MSVOA_V
 ClientSampled :

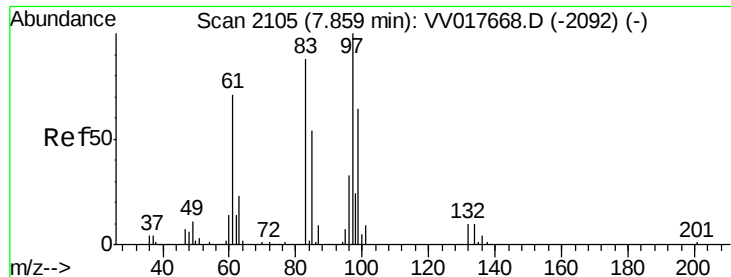
Tot Ion:105 Resp: 279809
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 4.970 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion: 75 Resp: 77428
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.5 41.7

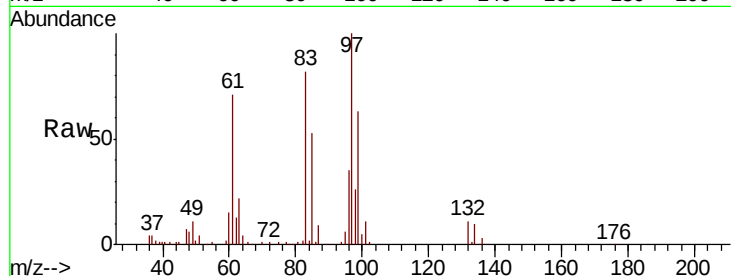




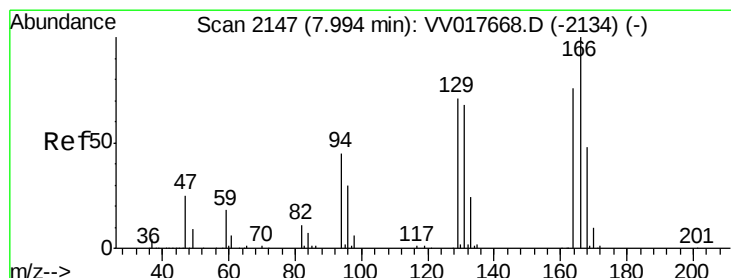
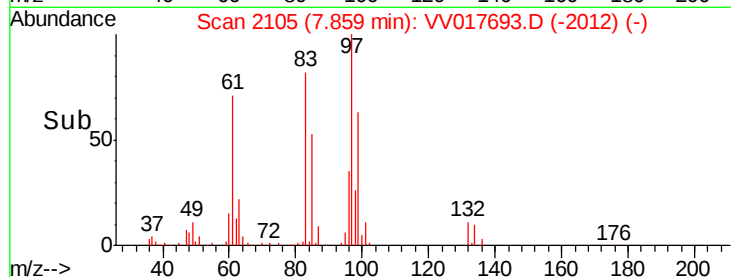
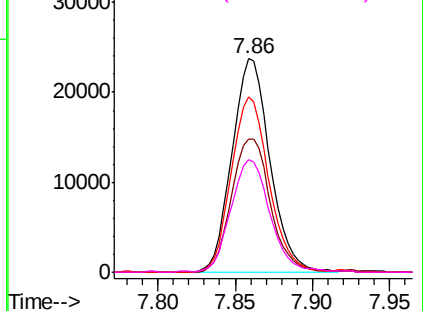
#47
 1,1,2-Trichloroethane
 Concen: 4.638 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	40466
Ion	Ratio	Lower	Upper
97	100		
99	62.6	39.5	73.4
83	82.3	52.6	97.6
85	52.5	35.1	65.1

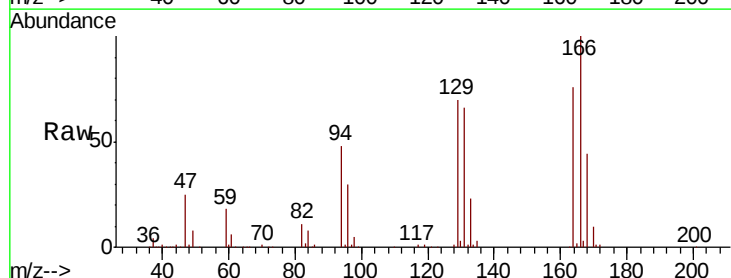


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

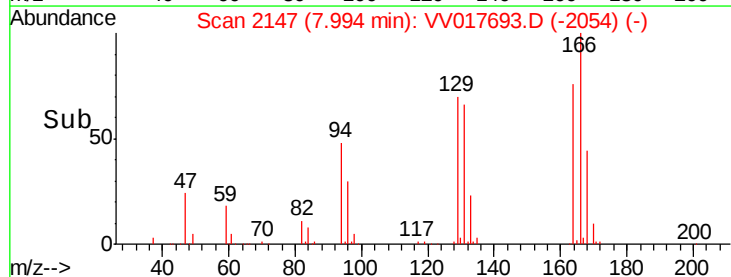
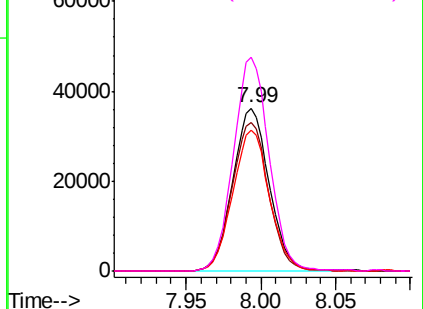


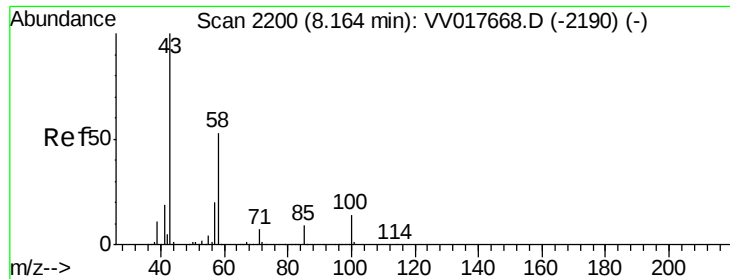
#49
 Tetrachloroethene
 Concen: 5.080 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion:	164	Resp:	61244
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.0	120.8
131	86.7	63.6	118.2
166	131.2	91.7	170.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

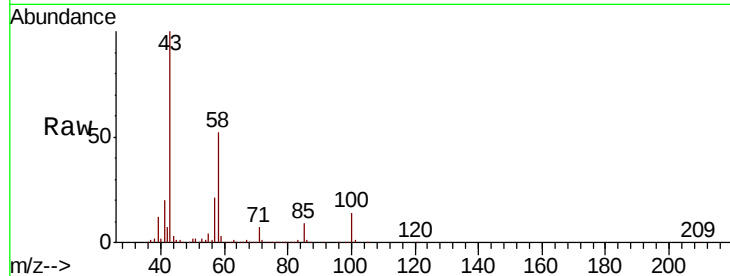




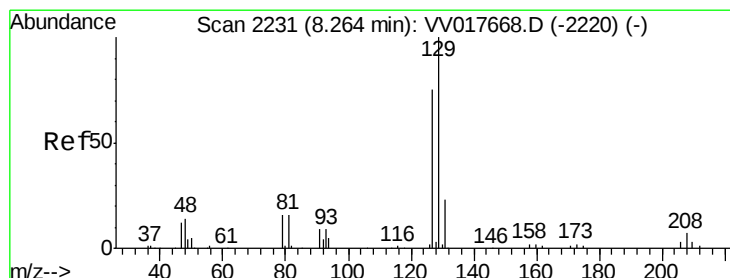
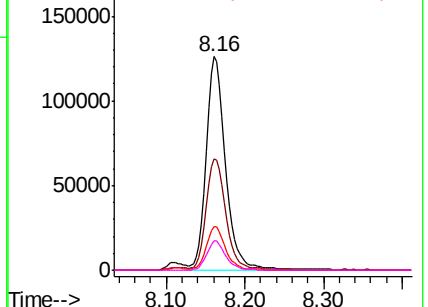
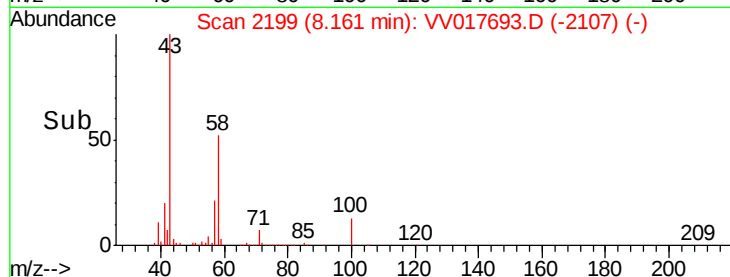
#50
2-Hexanone
Concen: 47.727 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 213019
Ion Ratio Lower Upper
43 100
58 52.3 41.6 62.4
57 20.6 15.4 23.0
100 13.6 11.2 16.8

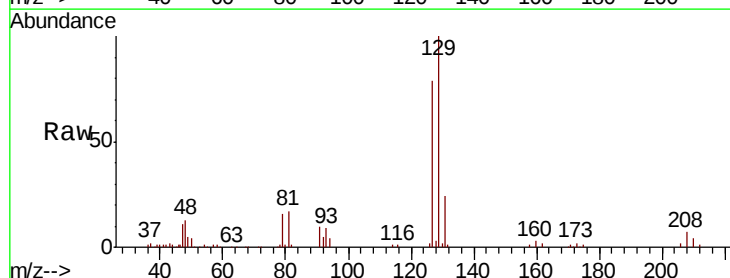


Abundance Ion 43.05 (42.75 to 43.75): VV017693.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV017693.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV017693.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV017693.D (-2199) (-)

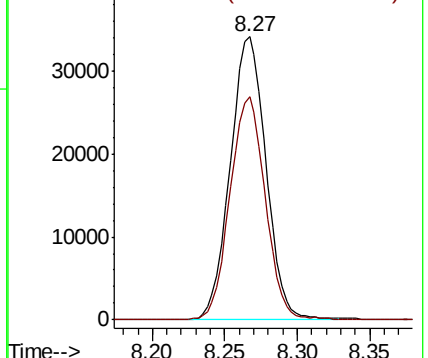
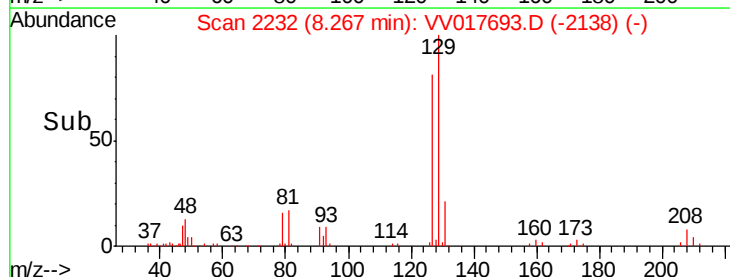


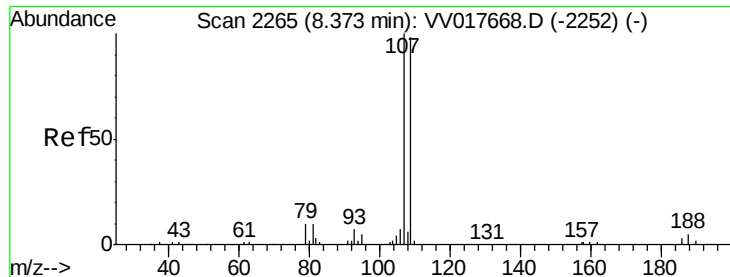
#51
Dibromochloromethane
Concen: 5.260 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Tgt Ion: 129 Resp: 58415
Ion Ratio Lower Upper
129 100
127 79.0 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): VV017693.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VV017693.D (-2232) (-)





#52

1,2-Dibromoethane

Concen: 4.828 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

Instrument :

MSVOA_V

ClientSampleId :

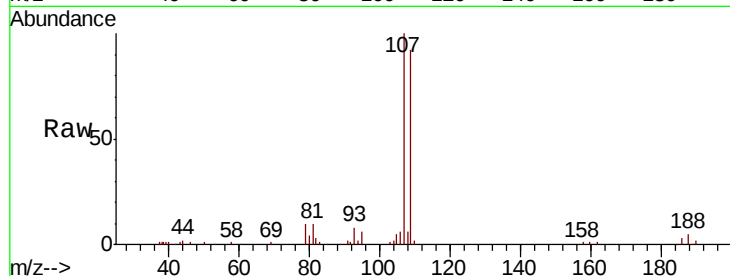
Tot Ion:107 Resp: 39753

Ion Ratio Lower Upper

107 100

109 91.9 65.5 121.7

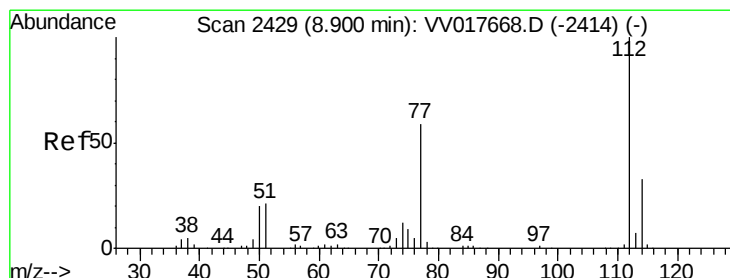
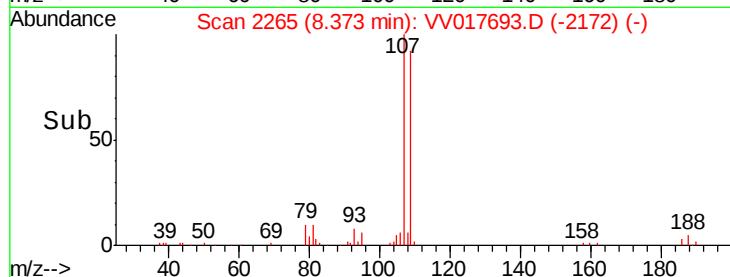
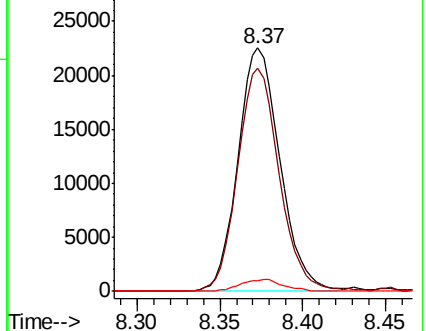
188 4.5 3.7 5.5



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.119 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

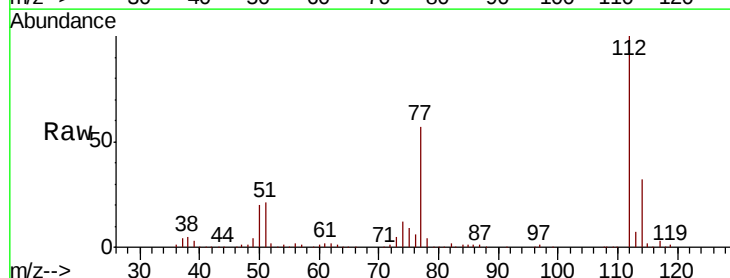
Tgt Ion:112 Resp: 182265

Ion Ratio Lower Upper

112 100

114 31.9 23.2 43.2

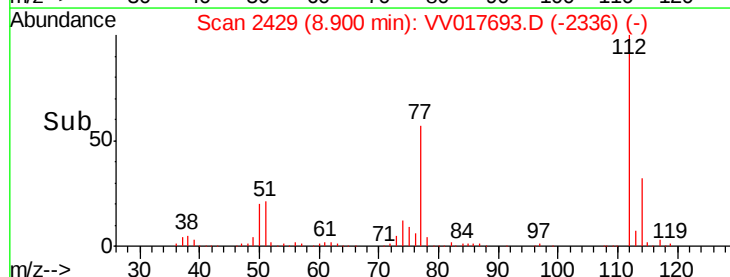
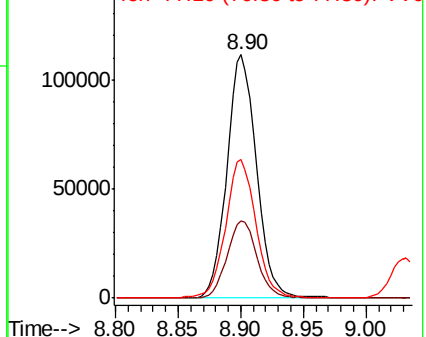
77 56.9 45.6 68.4

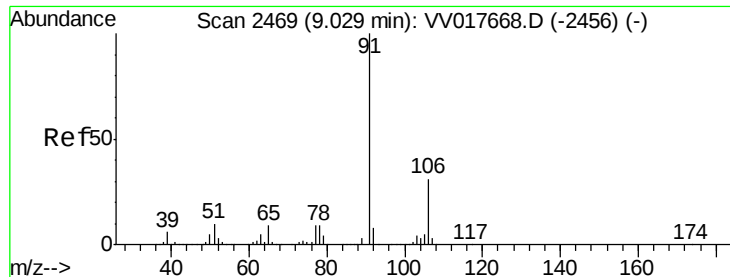


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 5.136 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

Instrument :

MSVOA_V

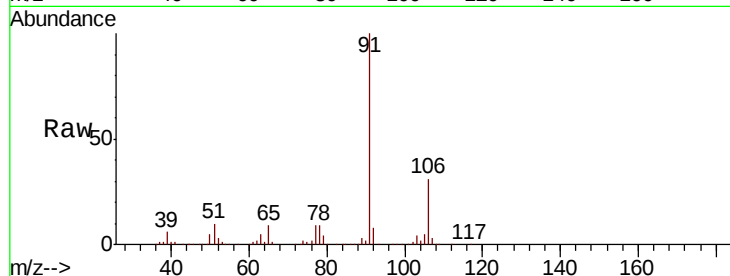
ClientSampleId :

Tot Ion: 91 Resp: 307082

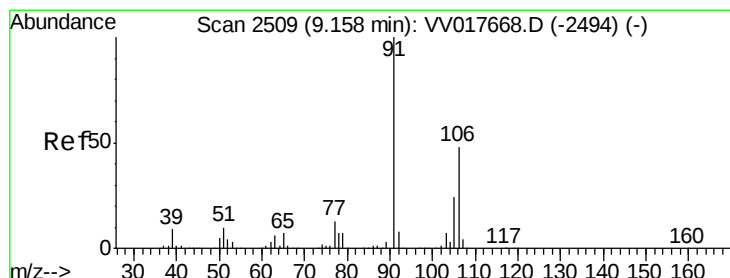
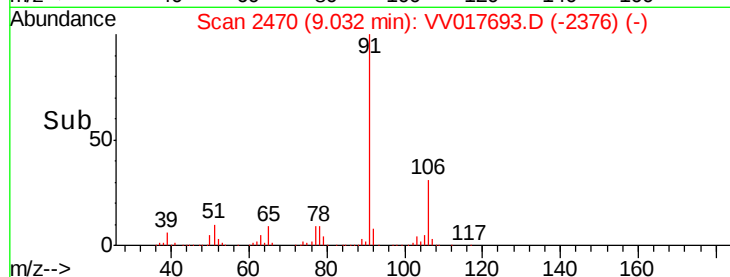
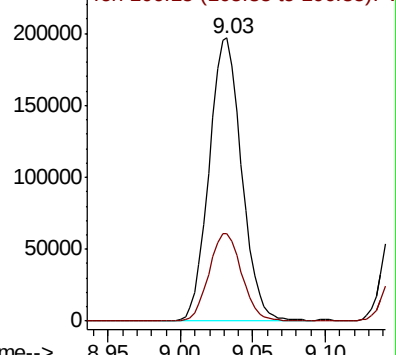
Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV017668.D (-2456) (-)



#55

m,p-xylene

Concen: 5.387 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017693.D

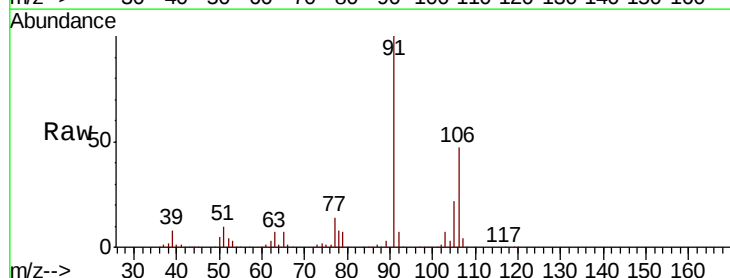
Acq: 28 Jul 2020 09:44

Tgt Ion: 106 Resp: 121311

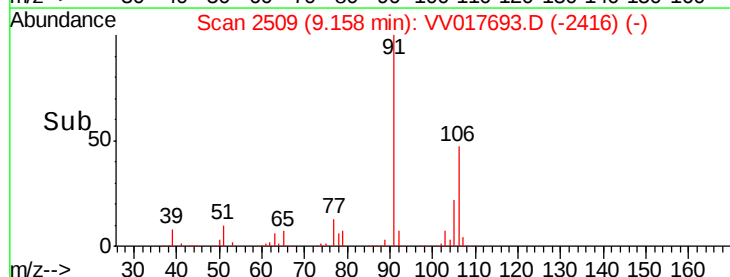
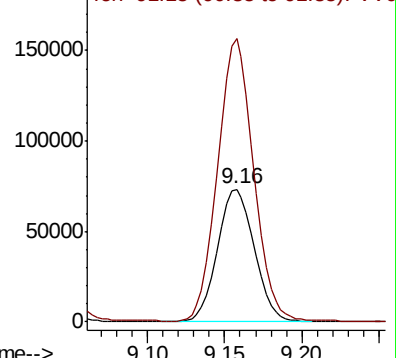
Ion Ratio Lower Upper

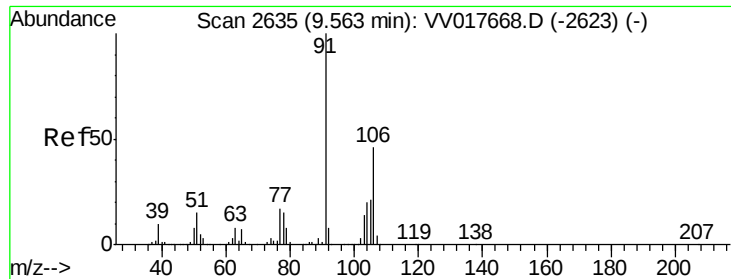
106 100

91 213.1 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017668.D (-2494) (-)

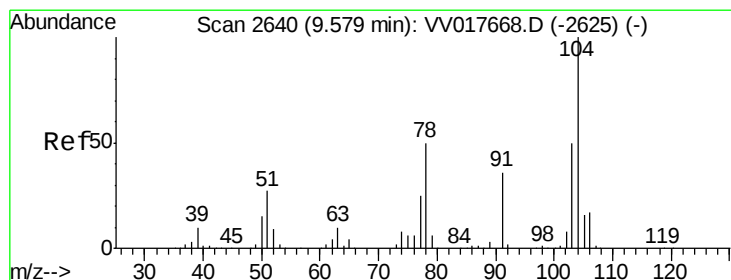
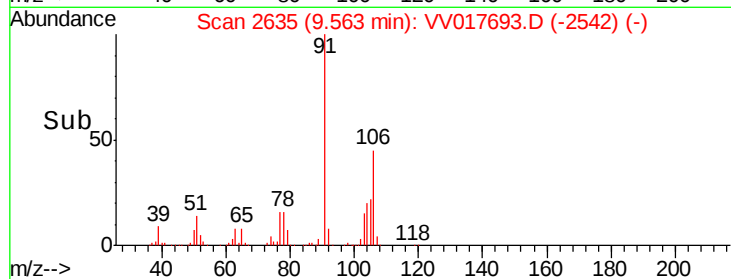
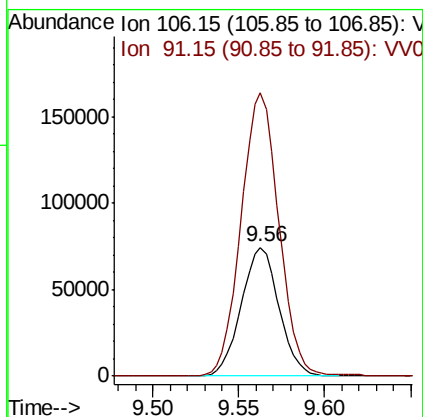
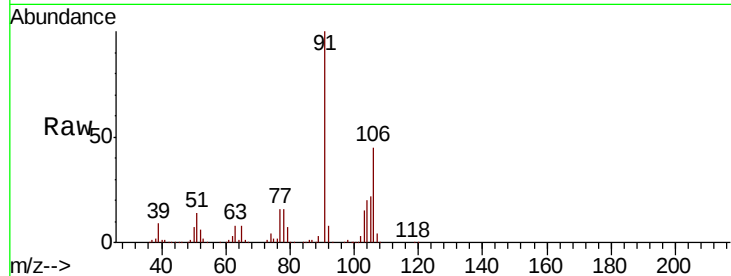




#56
o-xylene
Concen: 5.179 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

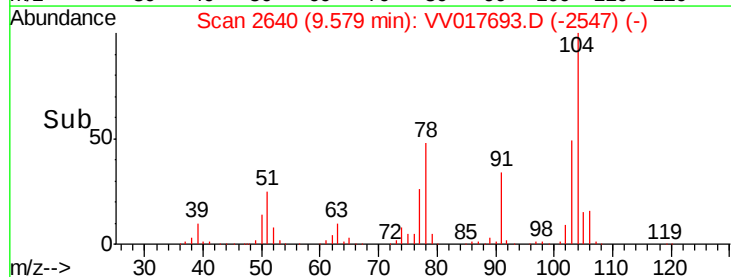
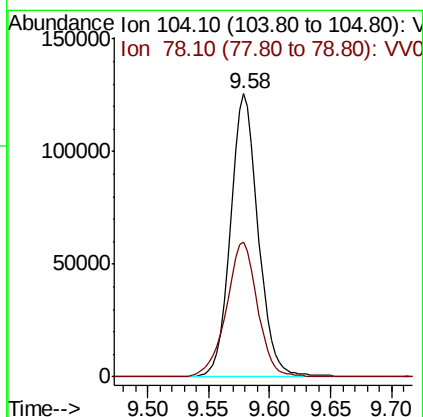
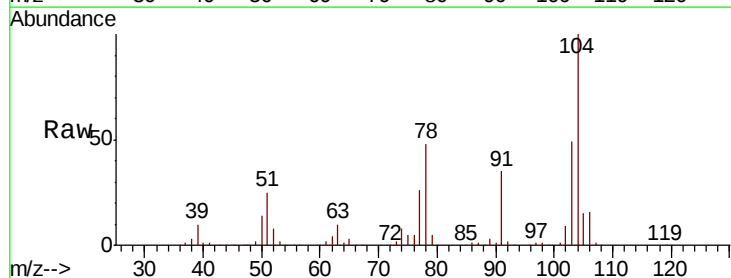
Instrument :
MSVOA_V
ClientSampled :

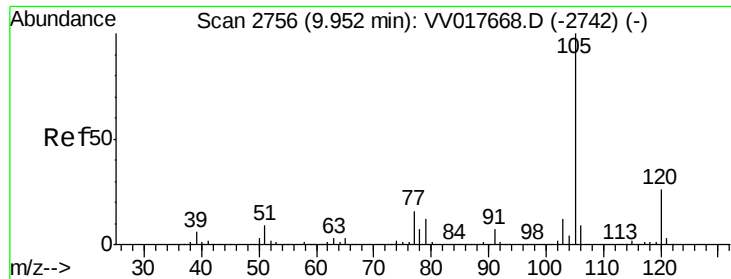
Tot Ion:106 Resp: 113166
Ion Ratio Lower Upper
106 100
91 220.3 153.9 285.7



#57
Styrene
Concen: 5.468 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017693.D
Acq: 28 Jul 2020 09:44

Tgt Ion:104 Resp: 199376
Ion Ratio Lower Upper
104 100
78 47.7 34.0 63.2





#58

Isopropylbenzene

Concen: 5.350 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

Instrument :

MSVOA_V

ClientSampled :

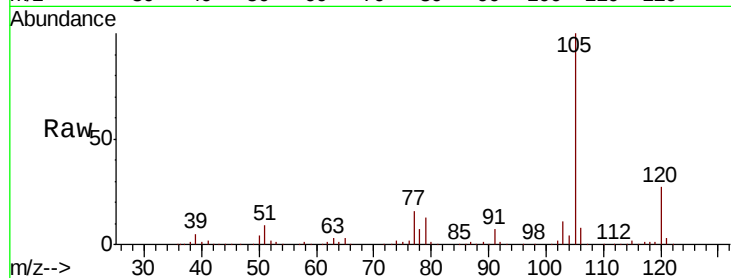
Tot Ion:105 Resp: 322489

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

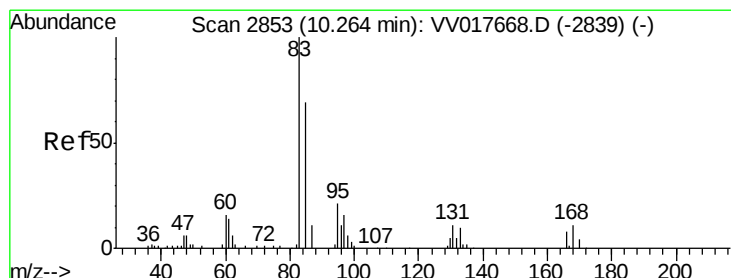
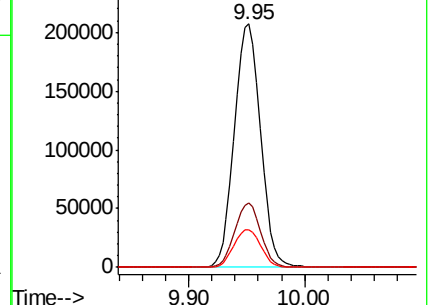
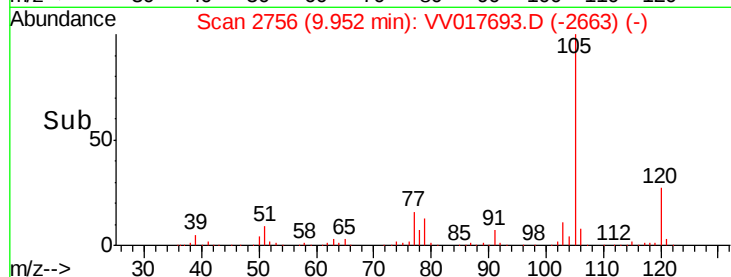
77 16.1 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): VV017693.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV017693.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV017693.D (-2663) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 4.569 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

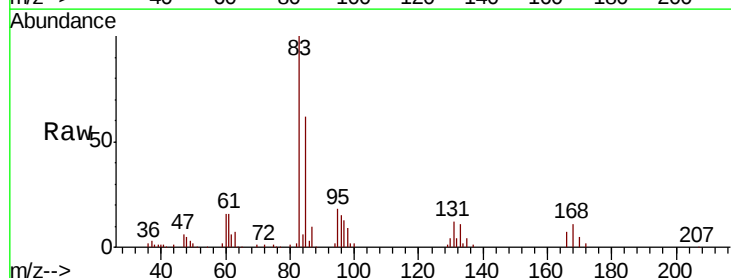
Tgt Ion: 83 Resp: 43438

Ion Ratio Lower Upper

83 100

85 61.9 44.4 82.5

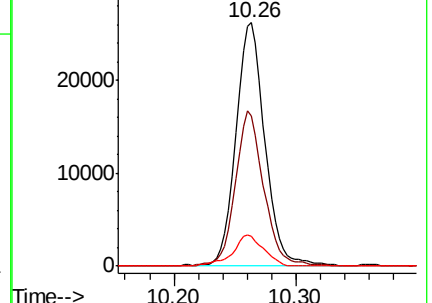
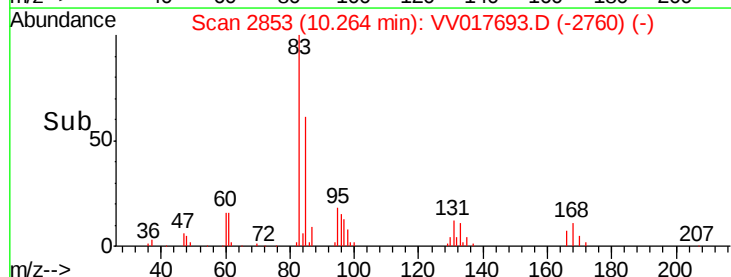
131 12.1 9.2 13.8

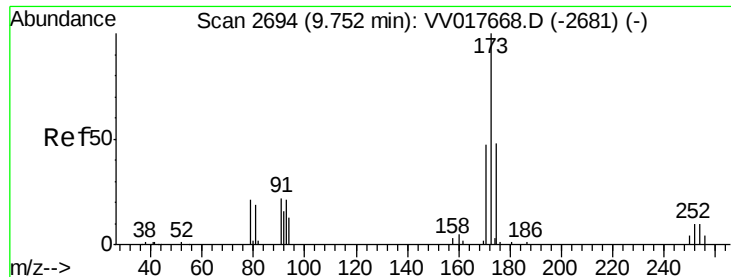


Abundance Ion 82.95 (82.65 to 83.65): VV017693.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV017693.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV017693.D (-2760) (-)





#62

Bromoform

Concen: 4.891 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

Instrument :
MSVOA_V
ClientSampleId :

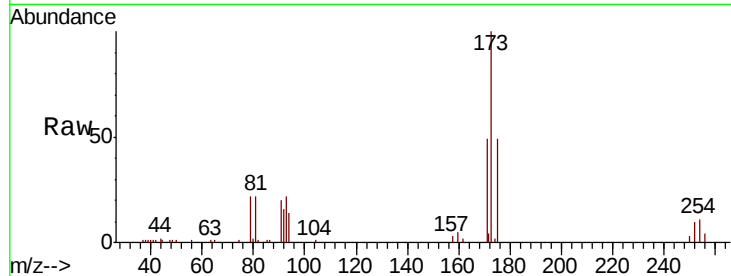
Tot Ion:173 Resp: 31158

Ion Ratio Lower Upper

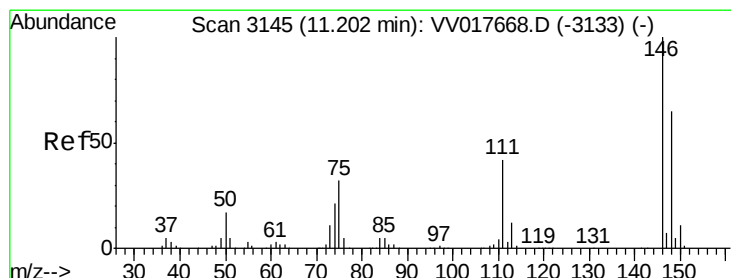
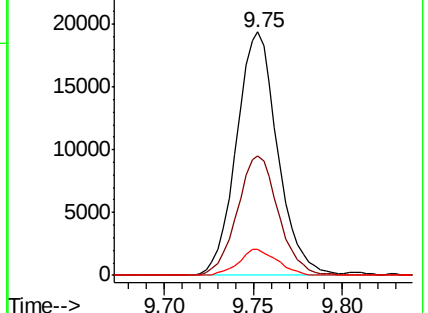
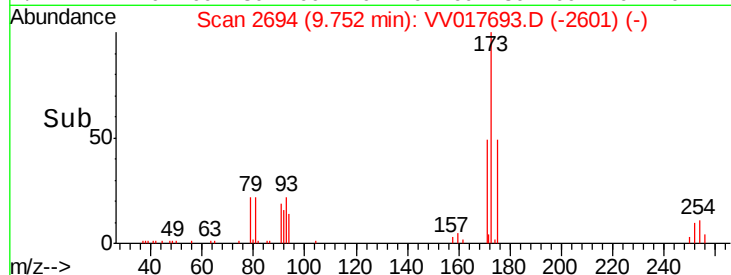
173 100

175 49.1 39.6 59.4

254 9.9 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.098 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

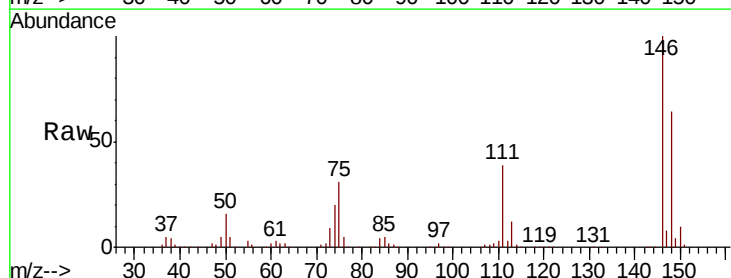
Tgt Ion:146 Resp: 163376

Ion Ratio Lower Upper

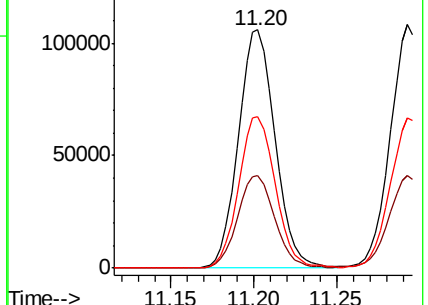
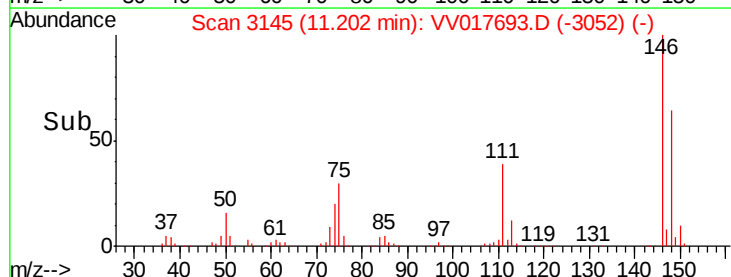
146 100

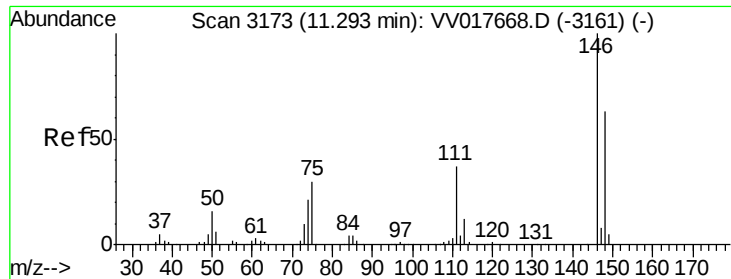
111 38.7 27.3 50.7

148 63.7 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.099 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

Instrument :

MSVOA_V

ClientSampled :

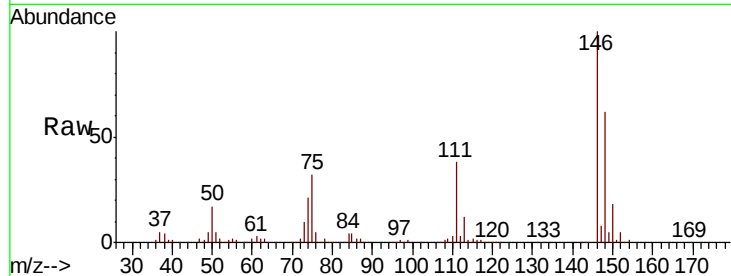
Tot Ion:146 Resp: 163975

Ion Ratio Lower Upper

146 100

111 38.2 27.4 51.0

148 61.7 43.8 81.4

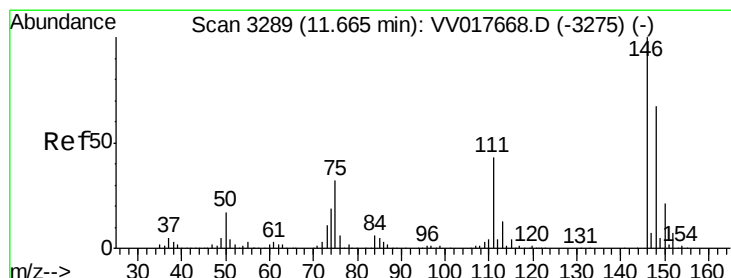
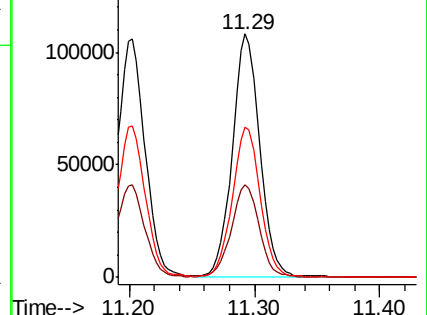
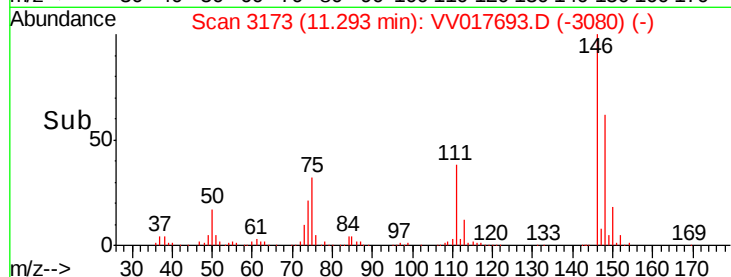


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 4.986 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017693.D

Acq: 28 Jul 2020 09:44

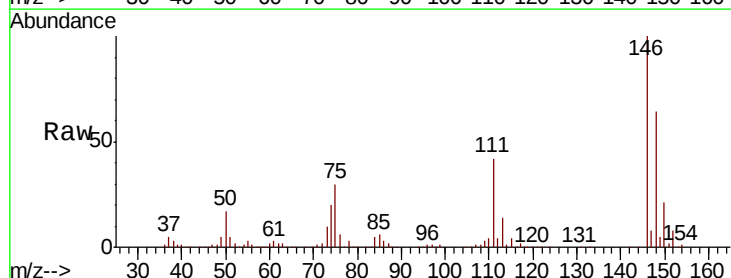
Tgt Ion:146 Resp: 145543

Ion Ratio Lower Upper

146 100

111 42.0 33.0 49.4

148 63.5 49.9 74.9

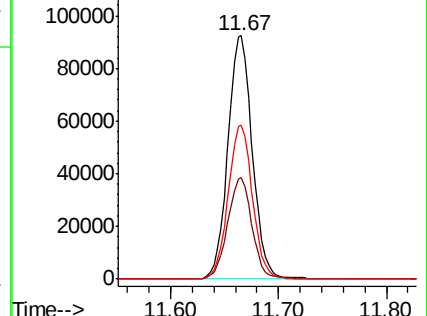
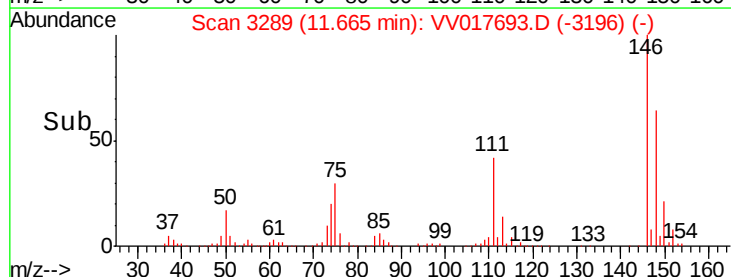


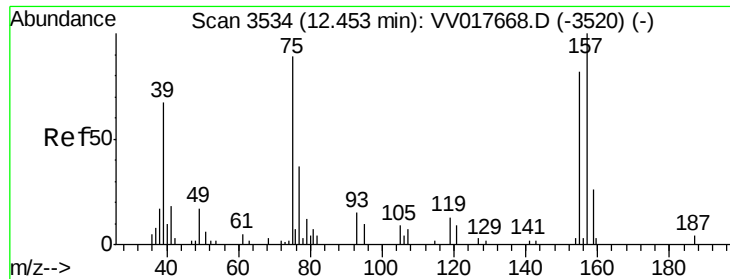
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

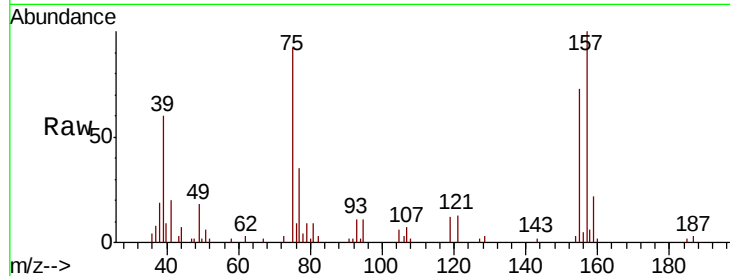




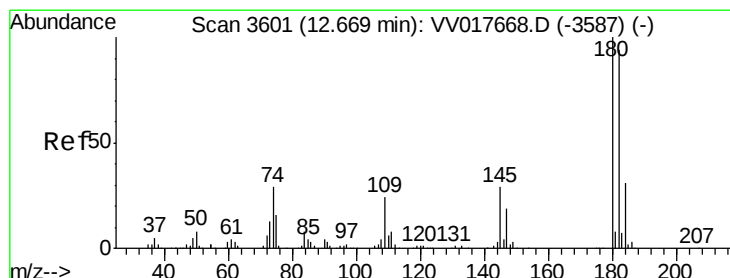
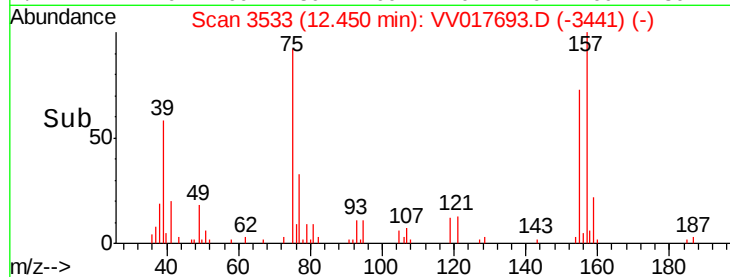
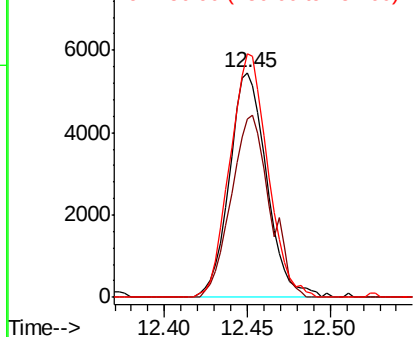
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.681 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 8546
 Ion Ratio Lower Upper
 75 100
 155 79.2 68.7 103.1
 157 108.3 87.8 131.8

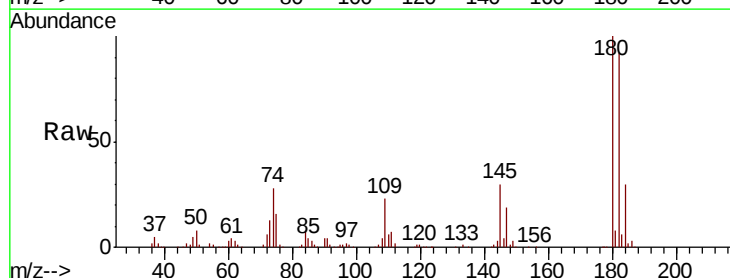


Abundance Ion 75.05 (74.75 to 75.75): VV017668.D (-3520) (-)
 Ion 154.95 (154.65 to 155.65): VV017668.D (-3520) (-)
 Ion 156.90 (156.60 to 157.60): VV017668.D (-3520) (-)

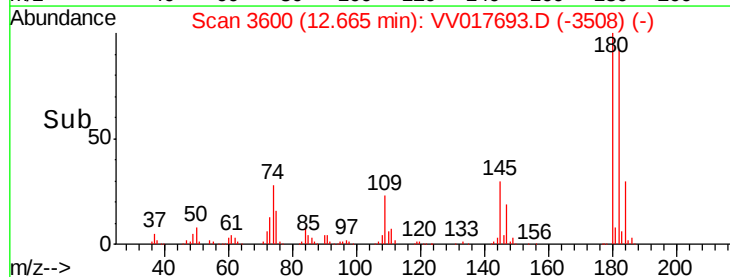
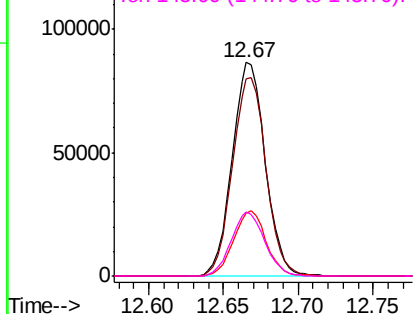


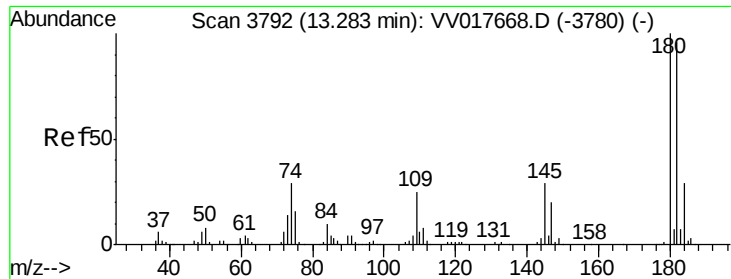
#68
 1,3,5-Trichlorobenzene
 Concen: 5.123 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion: 180 Resp: 133355
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.1 115.7
 184 30.0 25.2 37.8
 145 30.3 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): VV017668.D (-3587) (-)
 Ion 182.00 (181.70 to 182.70): VV017668.D (-3587) (-)
 Ion 184.00 (183.70 to 184.70): VV017668.D (-3587) (-)
 Ion 145.00 (144.70 to 145.70): VV017668.D (-3587) (-)

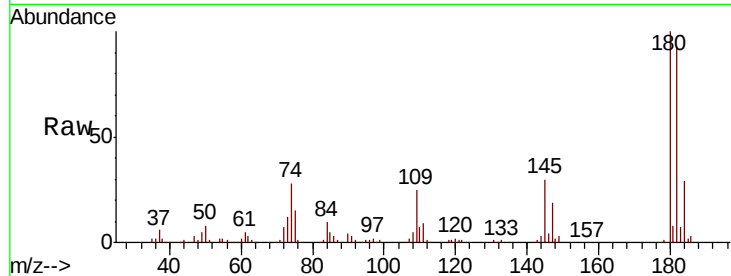




#69
 1,2,4-trichlorobenzene
 Concen: 5.064 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.4	113.2
145	29.2	24.2	36.2

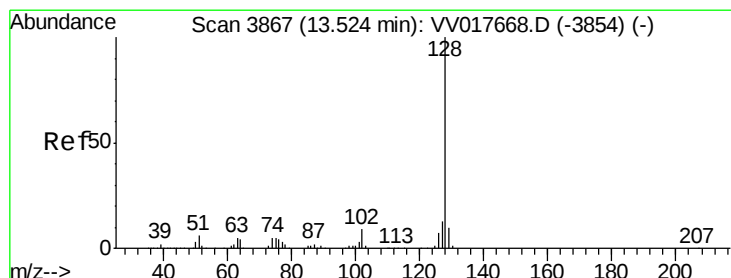
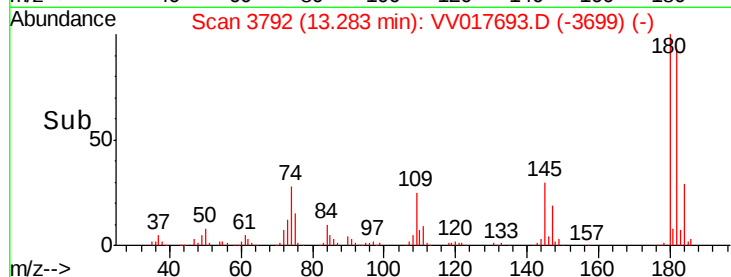
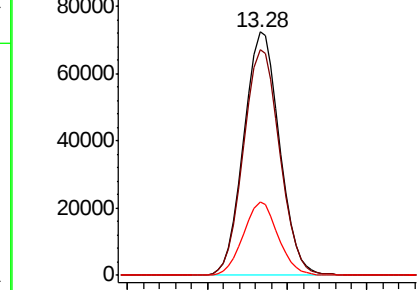


Abundance

Ion 179.90 (179.60 to 180.60): V

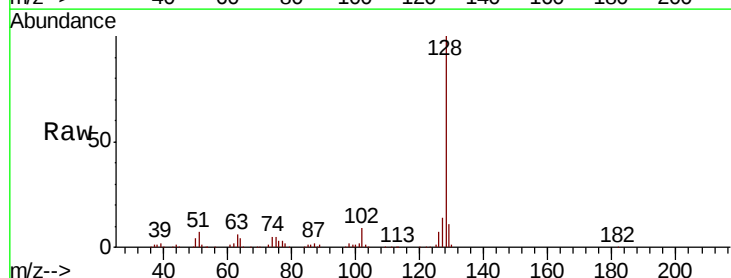
Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70
 Naphthalene
 Concen: 4.597 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.1	13.7
127	13.8	11.0	16.6

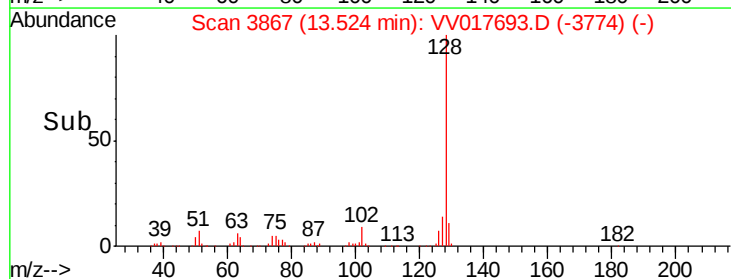
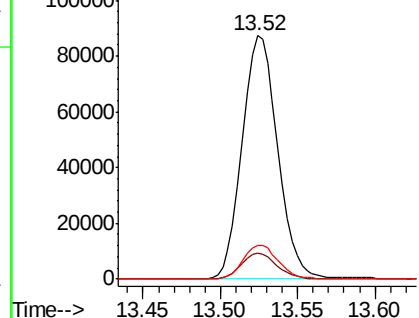


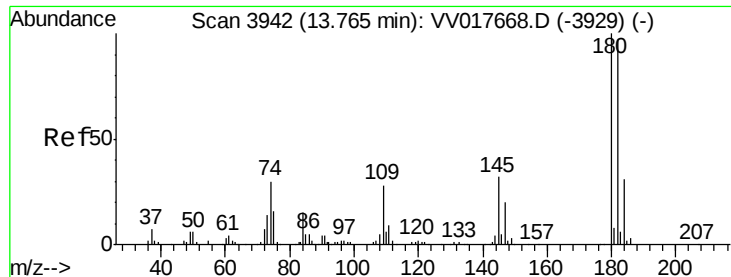
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

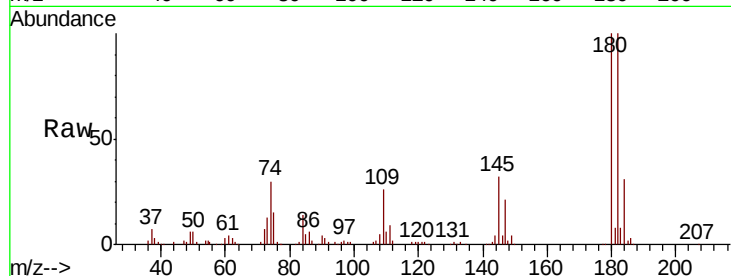




#71
 1,2,3-Trichlorobenzene
 Concen: 4.718 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017693.D
 Acq: 28 Jul 2020 09:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	74.2	111.4
145	34.1	26.0	39.0



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

