

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
 Data File : VV017668.D
 Acq On : 27 Jul 2020 10:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:46:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	175135	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	173625	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	98511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34880	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	28680	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.12	63	86314	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	3.96	46	88896	44.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.86%
24) Chloroform-d	4.37	84	98706	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.05	65	50230	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.07	84	163849	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.09	67	44836	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.33	98	161225	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
45) trans-1,3-Dichloropropene-	7.64	79	20530	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
48) 2-Hexanone-d5	8.11	63	64514	43.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.36%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33924	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	66328	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93757	4.886	ug/L 100
3) Chloromethane	1.25	50	59145	4.737	ug/L 95
5) Vinyl chloride	1.32	62	62097	4.963	ug/L 98
6) Bromomethane	1.53	94	39333	4.891	ug/L 96
8) Chloroethane	1.59	64	36593	5.066	ug/L 97
9) Trichlorofluoromethane	1.76	101	117110	5.233	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	54412	5.206	ug/L 96
12) 1,1-Dichloroethene	2.13	96	49356	5.233	ug/L 93
13) Acetone	2.23	43	38530	24.602	ug/L # 34
14) Carbon disulfide	2.31	76	146910	5.124	ug/L 97
15) Methyl Acetate	2.46	43	16679	5.473	ug/L # 83
16) Methylene chloride	2.52	84	54852	5.227	ug/L 94
17) Methyl tert-butyl Ether	2.79	73	123185	5.096	ug/L 99
18) trans-1,2-Dichloroethene	2.77	96	53126	5.170	ug/L 94
19) 1,1-Dichloroethane	3.20	63	98729	4.569	ug/L 99
21) 2-Butanone	4.03	43	119713	45.268	ug/L 85
22) cis-1,2-Dichloroethene	3.93	96	63530	4.909	ug/L 94

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:46:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

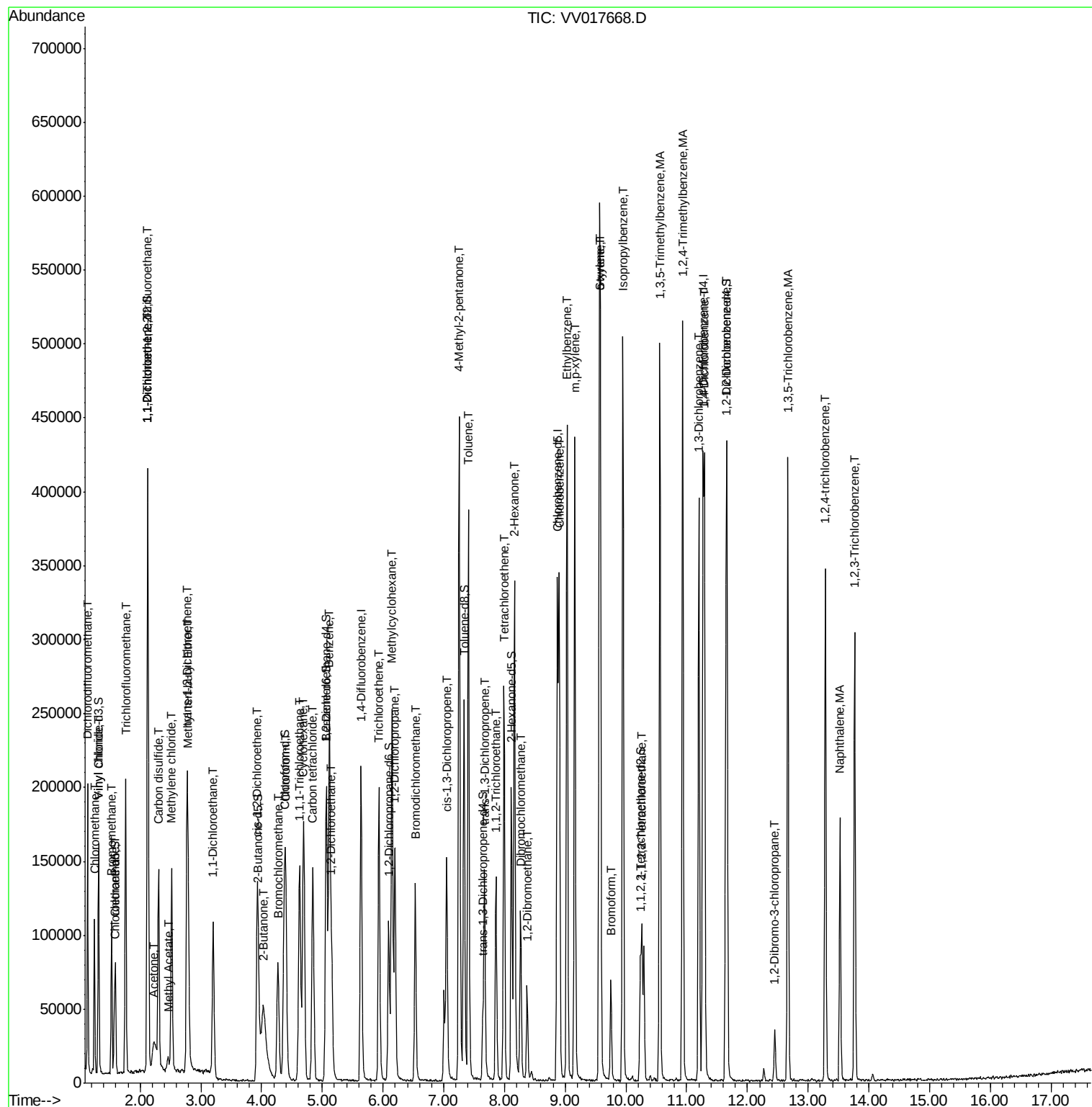
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	29474	4.943	ug/L	92
25) Chloroform	4.40	83	123779	5.103	ug/L	96
27) 1,2-Dichloroethane	5.15	62	80609	5.125	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	121173	4.988	ug/L	99
30) Cyclohexane	4.69	56	86185	4.478	ug/L	97
31) Carbon tetrachloride	4.84	117	110673	5.122	ug/L	99
33) Benzene	5.12	78	238611	4.855	ug/L	100
34) Trichloroethene	5.93	95	66454	4.841	ug/L	98
35) Methylcyclohexane	6.15	83	96982	4.670	ug/L	99
37) 1,2-Dichloropropane	6.19	63	53059	4.594	ug/L	98
38) Bromodichloromethane	6.53	83	84383	4.966	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	85034	4.881	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	290605	45.889	ug/L	99
42) Toluene	7.41	91	269639	5.029	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	254792	5.090	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	267271	5.226	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	76170	4.870	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	39738	4.537	ug/L	89
49) Tetrachloroethene	7.99	164	58632	4.844	ug/L	99
50) 2-Hexanone	8.16	43	210581	46.995	ug/L	97
51) Dibromochloromethane	8.26	129	57683	5.174	ug/L	94
52) 1,2-Dibromoethane	8.37	107	39218	4.745	ug/L	96
53) Chlorobenzene	8.90	112	174598	4.885	ug/L	98
54) Ethylbenzene	9.03	91	295003	4.915	ug/L	100
55) m,p-xylene	9.16	106	115543	5.111	ug/L	96
56) o-xylene	9.56	106	109005	4.969	ug/L	100
57) Styrene	9.58	104	190570	5.206	ug/L	98
58) Isopropylbenzene	9.95	105	305903	5.055	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	43027	4.508	ug/L	94
62) Bromoform	9.75	173	31845	5.051	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	153500	4.840	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	155931	4.899	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	139434	4.826	ug/L	95
67) 1,2-Dibromo-3-chloropropan	12.45	75	8479	4.693	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	125005	4.852	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	102445	4.754	ug/L	98
70) Naphthalene	13.52	128	135481	4.509	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	89430	4.683	ug/L	96

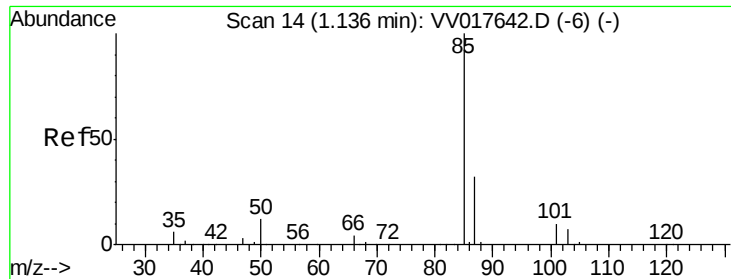
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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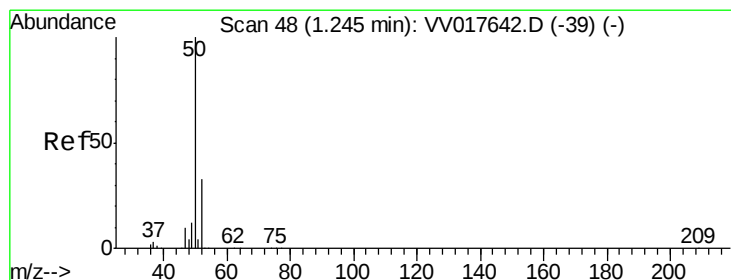
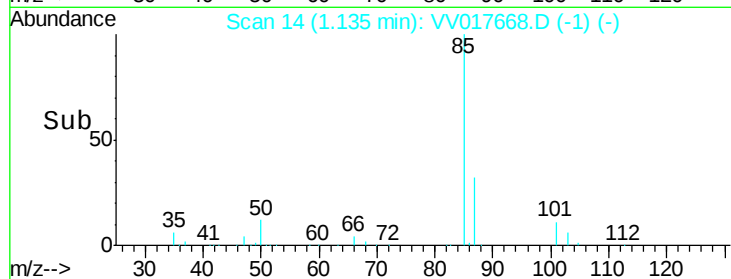
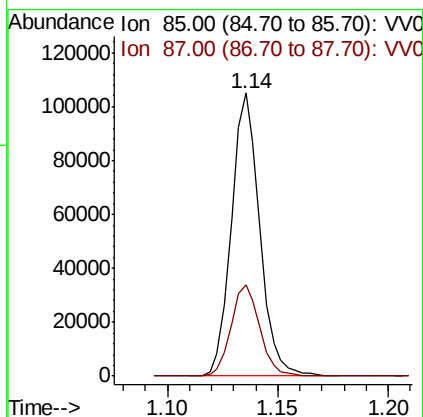
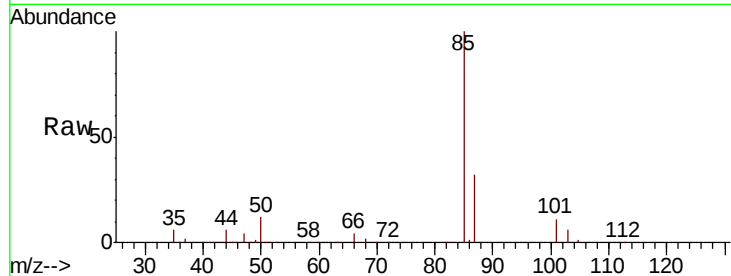




#2
 Dichlorodifluoromethane
 Concen: 4.886 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

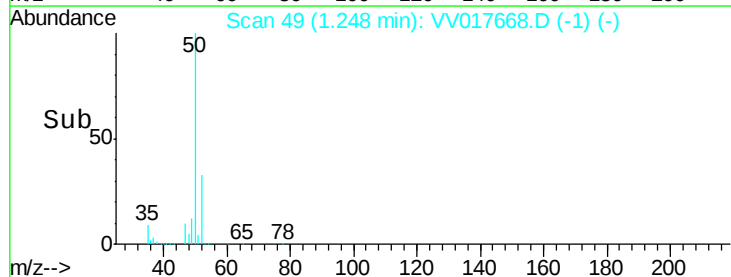
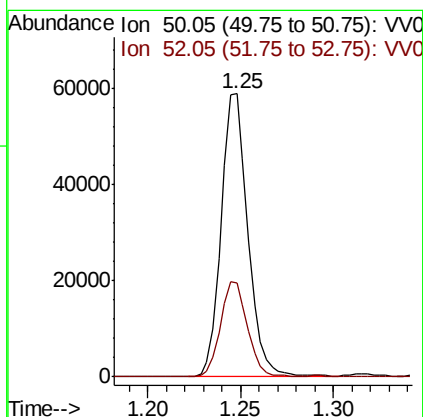
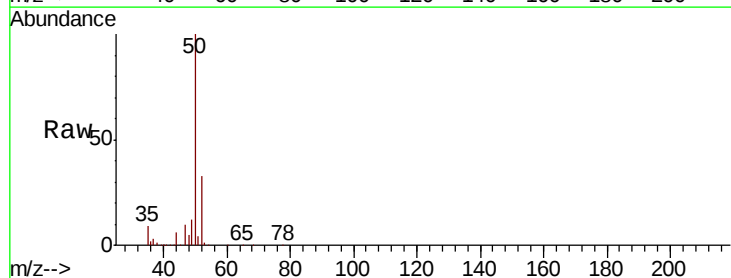
Instrument :
 MSVOA_V
 ClientSampleId :

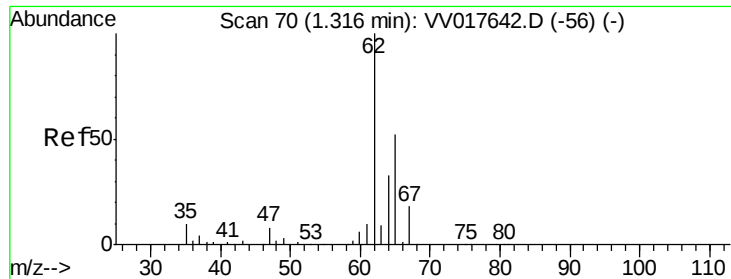
Tot Ion: 85 Resp: 93757
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.4 39.6



#3
 Chloromethane
 Concen: 4.737 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 50 Resp: 59145
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.1 46.5





#5

Vinyl chloride

Concen: 4.963 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

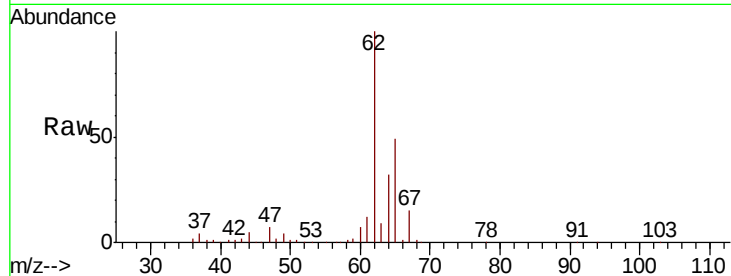
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 62097

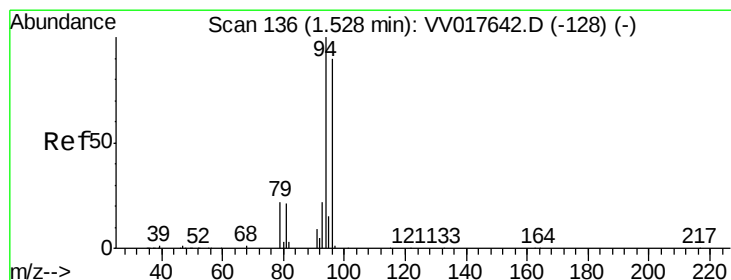
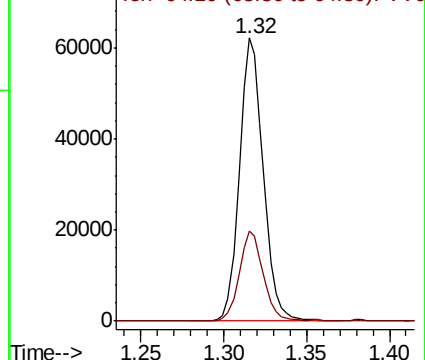
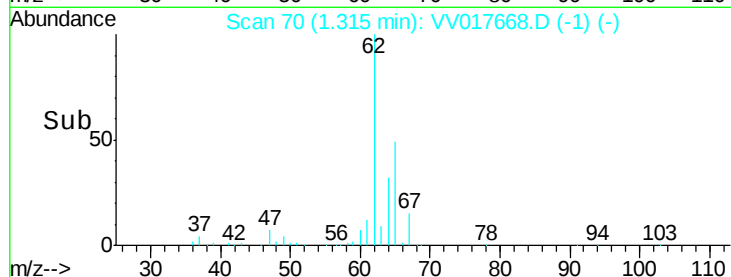
Ion Ratio Lower Upper

62 100

64 31.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017668.D (-1) (-)



#6

Bromomethane

Concen: 4.891 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV017668.D

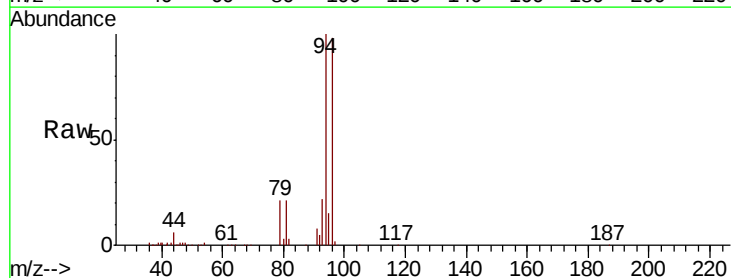
Acq: 27 Jul 2020 10:09

Tgt Ion: 94 Resp: 39333

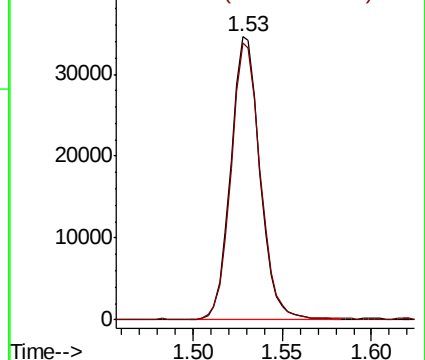
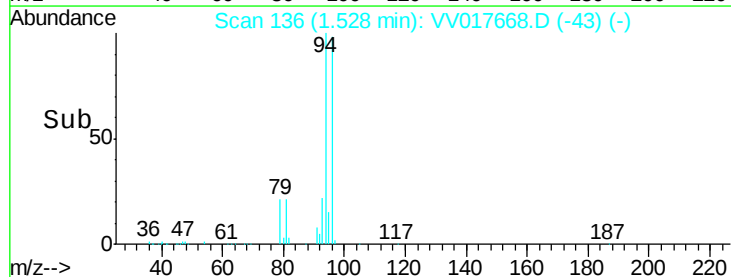
Ion Ratio Lower Upper

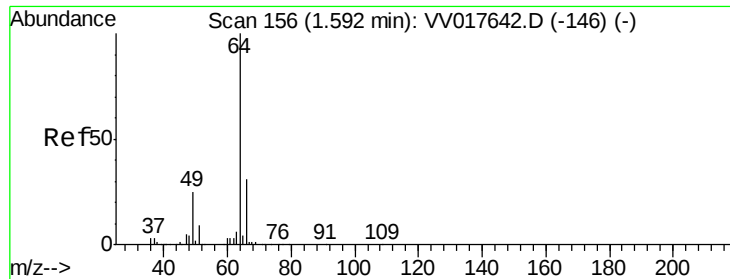
94 100

96 97.9 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017668.D (-43) (-)

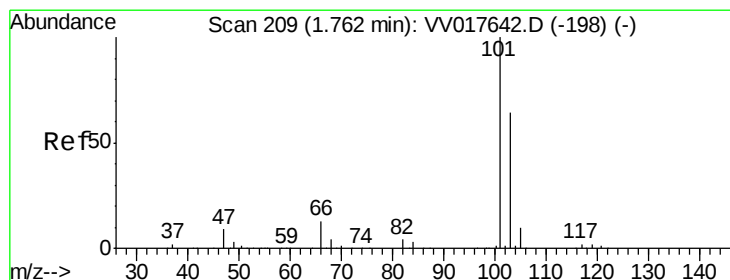
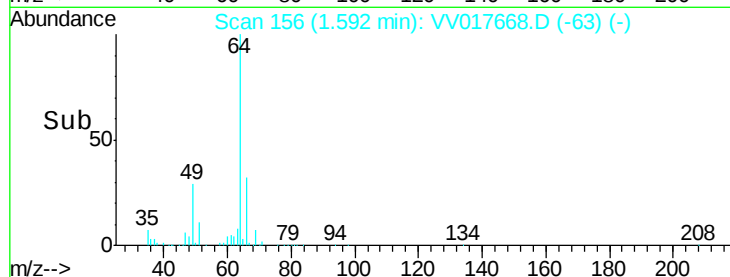
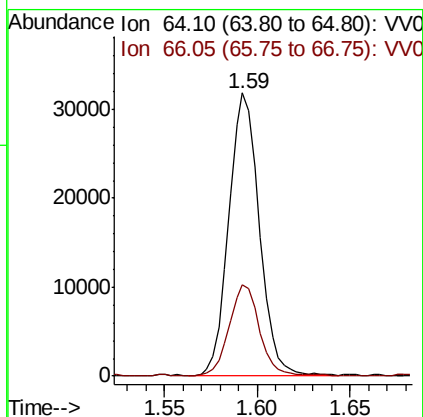
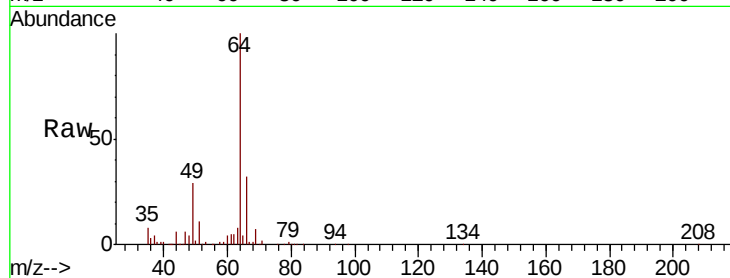




#8
Chloroethane
Concen: 5.066 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

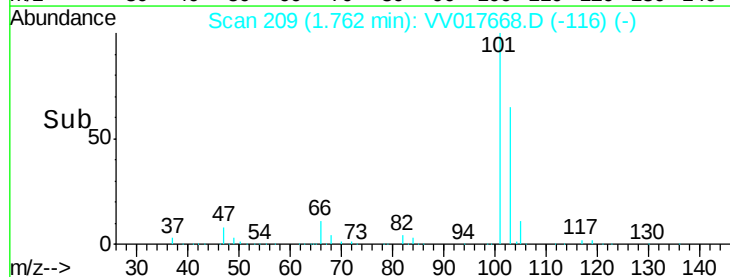
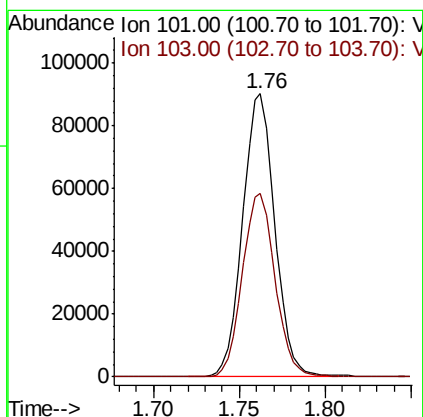
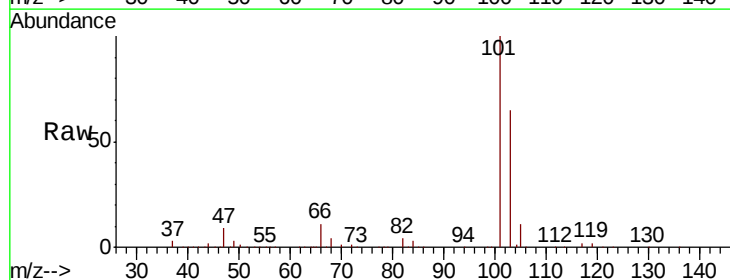
Instrument :
MSVOA_V
ClientSampleId :

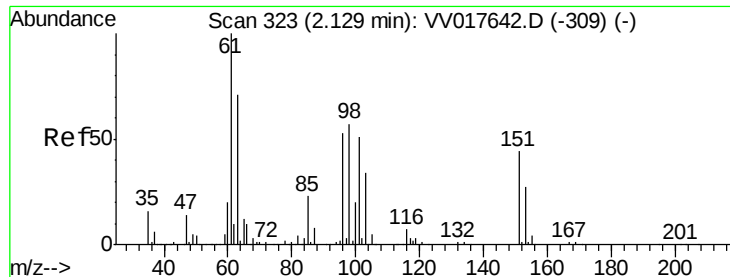
Tot Ion: 64 Resp: 36593
Ion Ratio Lower Upper
64 100
66 32.3 24.0 44.6



#9
Trichlorofluoromethane
Concen: 5.233 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Tgt Ion:101 Resp: 117110
Ion Ratio Lower Upper
101 100
103 66.2 51.7 77.5





#10

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

Concen: 5.206 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

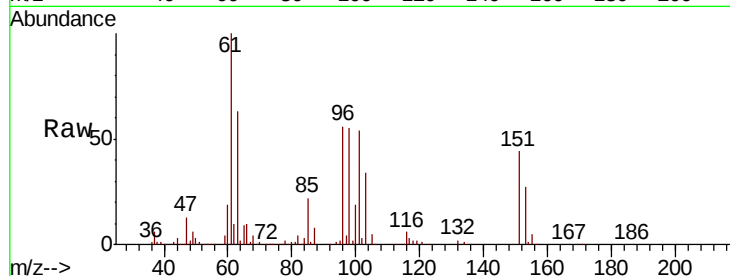
Tot Ion:101 Resp: 54412

Ion Ratio Lower Upper

101 100

85 43.9 34.6 51.8

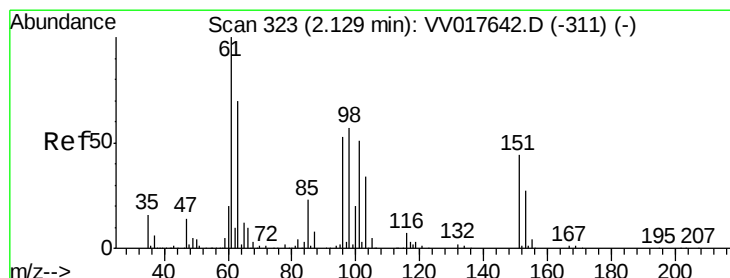
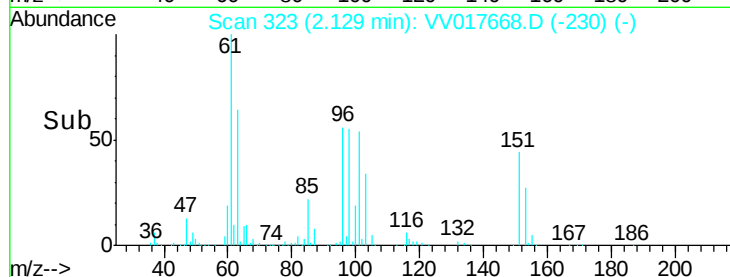
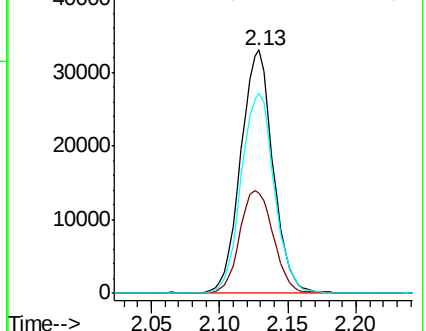
151 84.3 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017642.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV017642.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV017642.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 5.233 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

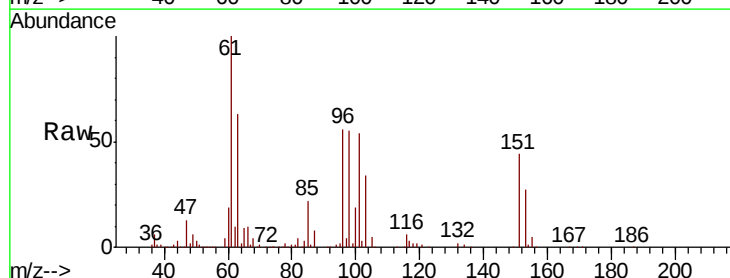
Tgt Ion: 96 Resp: 49356

Ion Ratio Lower Upper

96 100

61 178.0 123.1 228.7

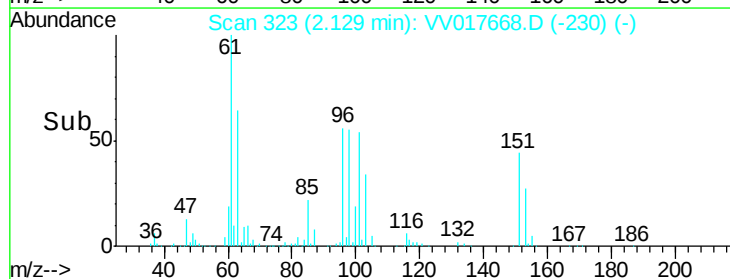
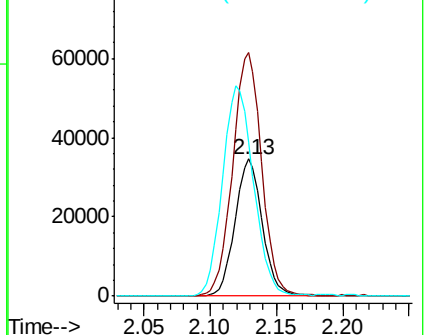
63 112.9 91.2 169.4

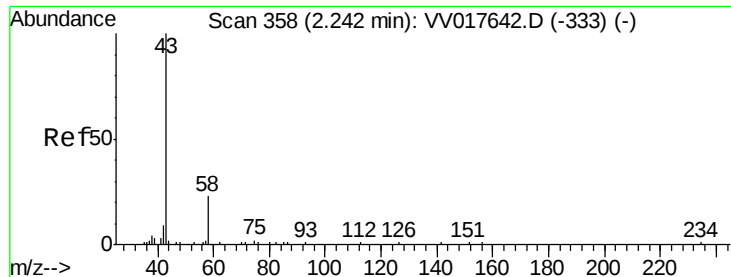


Abundance Ion 96.00 (95.70 to 96.70): VV017642.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV017642.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV017642.D (-311) (-)





#13

Acetone

Concen: 24.602 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

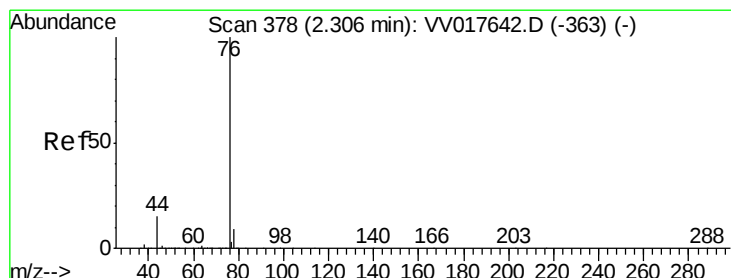
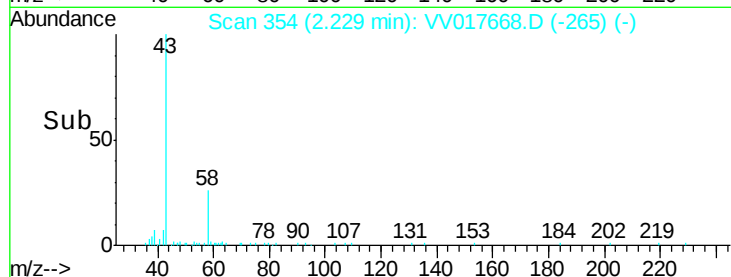
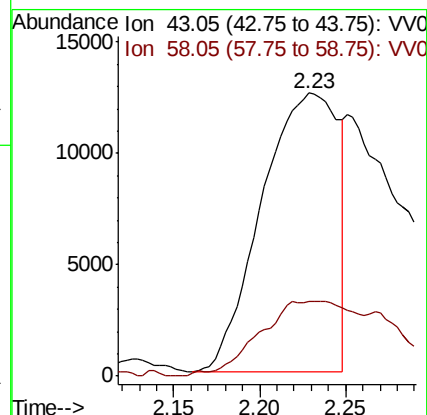
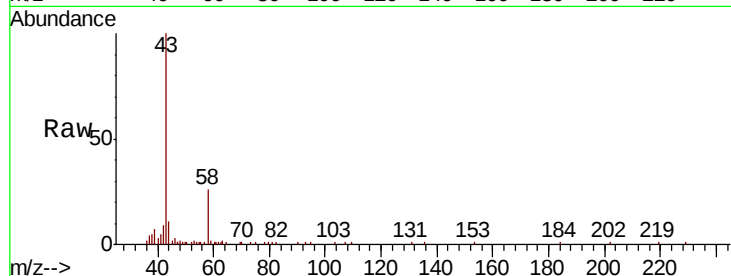
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 38530

Ion Ratio Lower Upper

43 100

58 33.4 0.0 18.6#



#14

Carbon disulfide

Concen: 5.124 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017668.D

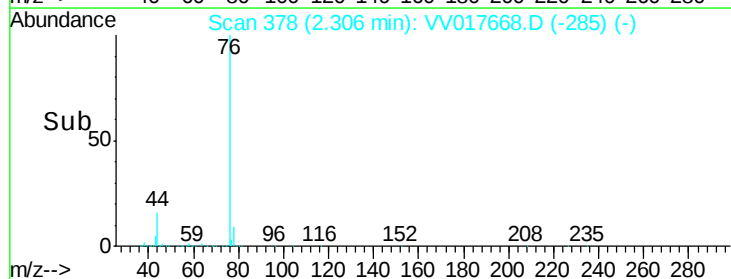
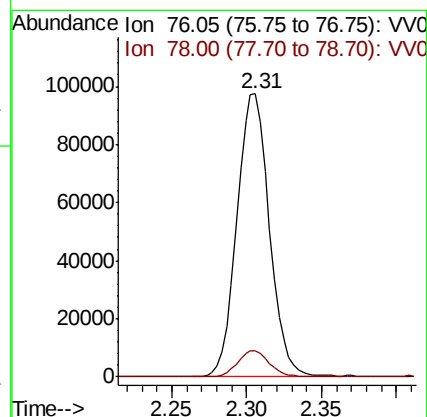
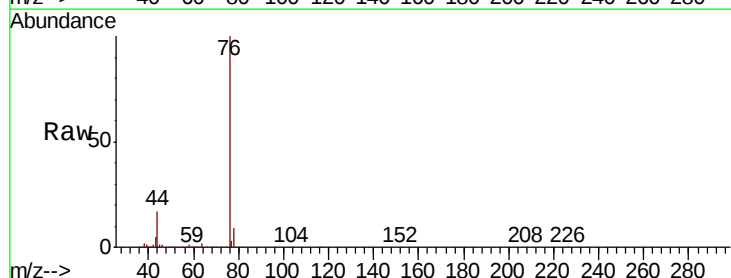
Acq: 27 Jul 2020 10:09

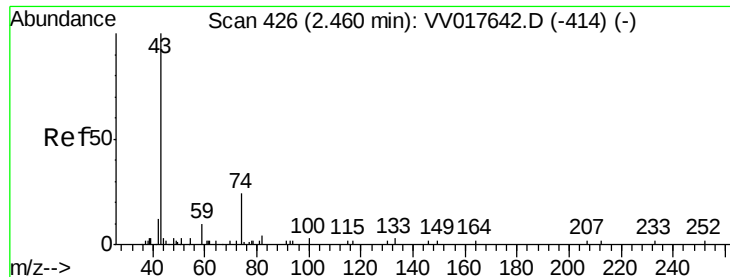
Tgt Ion: 76 Resp: 146910

Ion Ratio Lower Upper

76 100

78 9.4 6.6 10.0

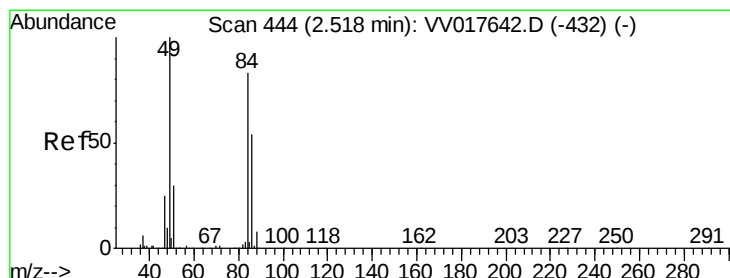
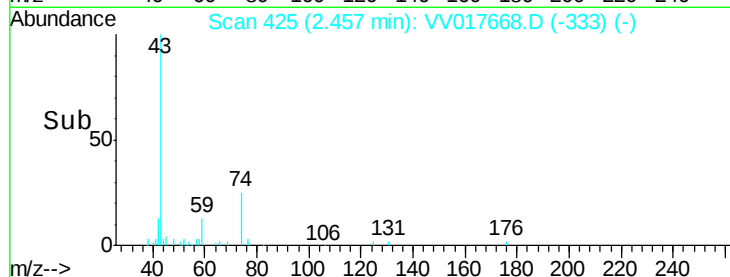
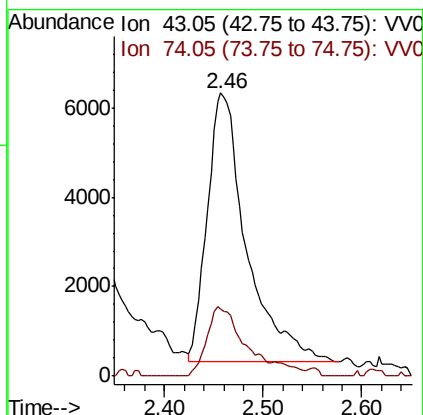
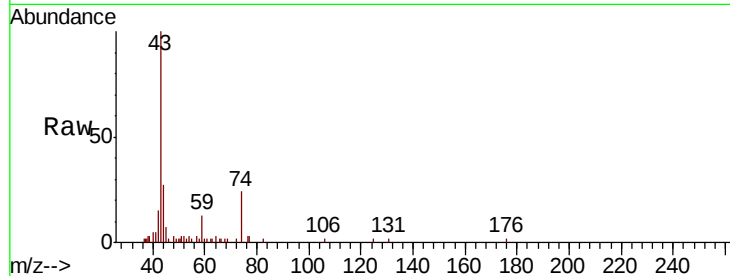




#15
Methvl Acetate
Concen: 5.473 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

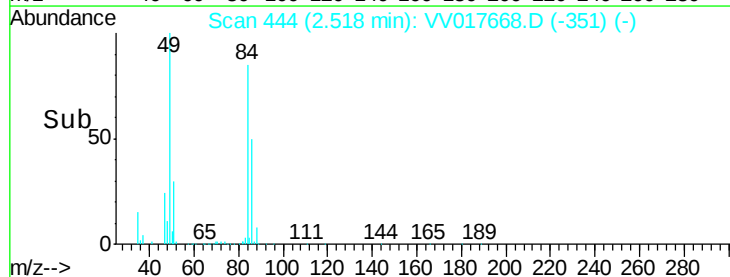
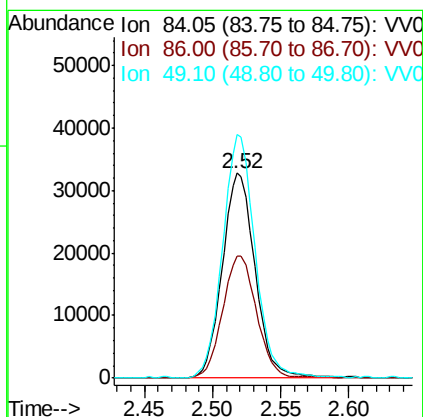
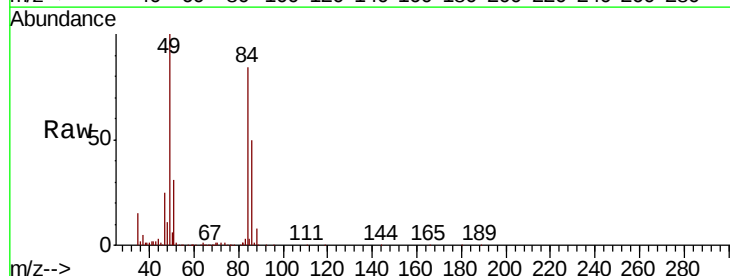
Instrument :
MSVOA_V
ClientSampleId :

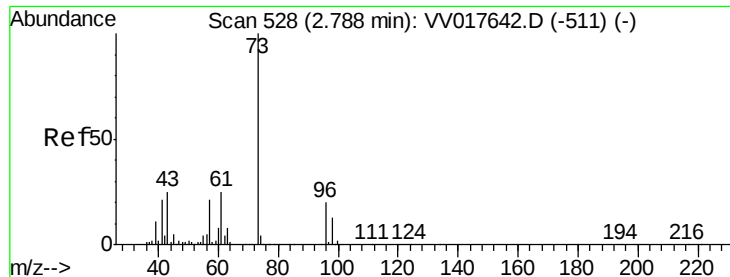
Tot Ion: 43 Resp: 16679
Ion Ratio Lower Upper
43 100
74 23.8 26.6 40.0#



#16
Methylene chloride
Concen: 5.227 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Tgt Ion: 84 Resp: 54852
Ion Ratio Lower Upper
84 100
86 59.6 46.5 86.3
49 118.8 79.2 147.2

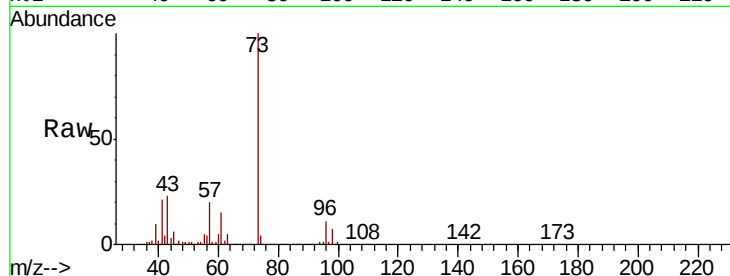




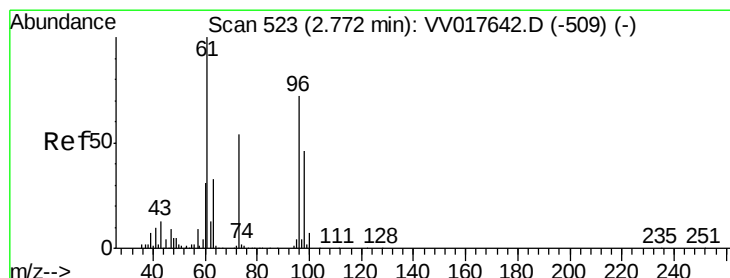
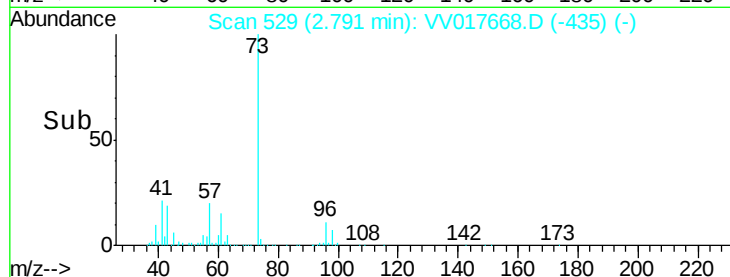
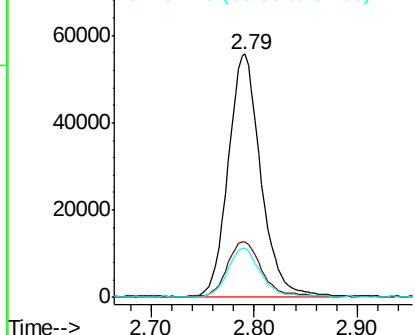
#17
Methvl tert-butvl Ether
Concen: 5.096 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.4	18.3	27.5
57	20.2	16.7	25.1

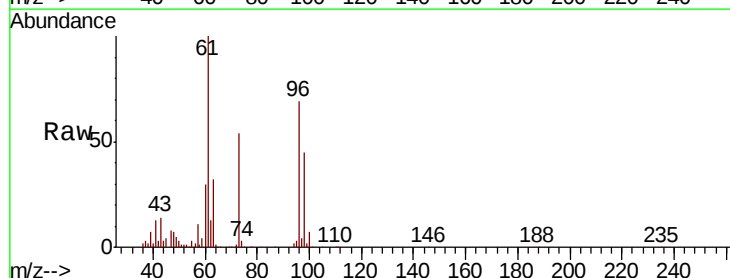


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

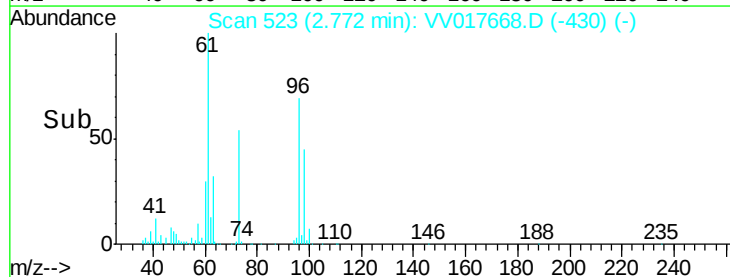
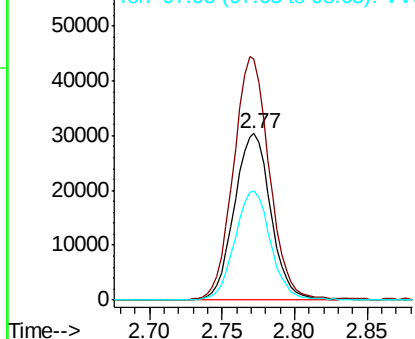


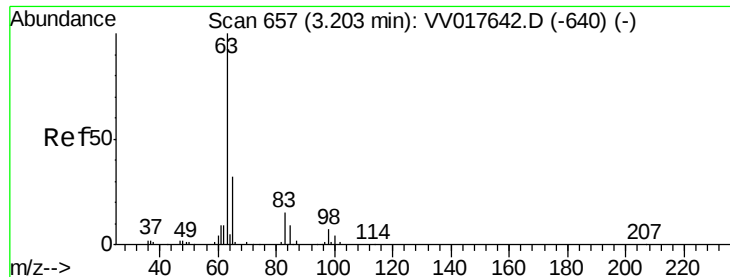
#18
trans-1,2-Dichloroethene
Concen: 5.170 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	96.0	178.4
98	65.8	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





#19

1,1-Dichloroethane

Concen: 4.569 ug/L

RT: 3.20 min Scan# 657

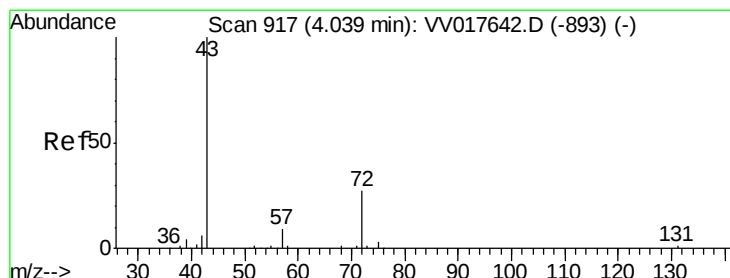
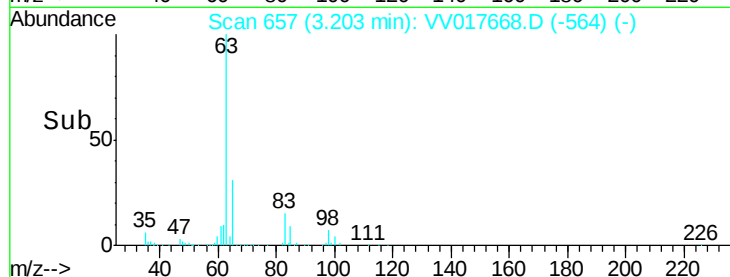
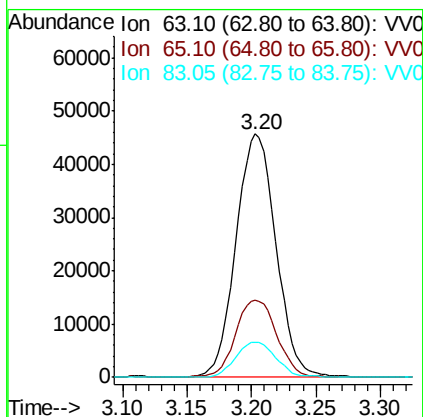
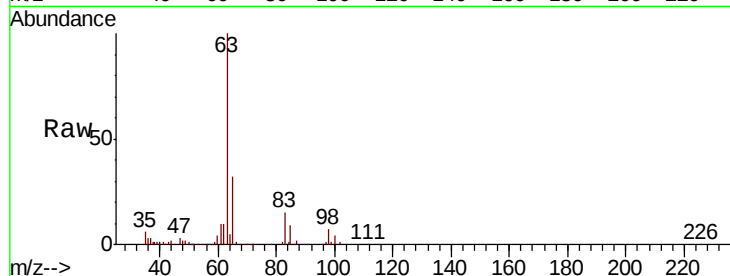
Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	98729
Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.4	39.8
83	14.6	10.4	19.4



#21

2-Butanone

Concen: 45.268 ug/L

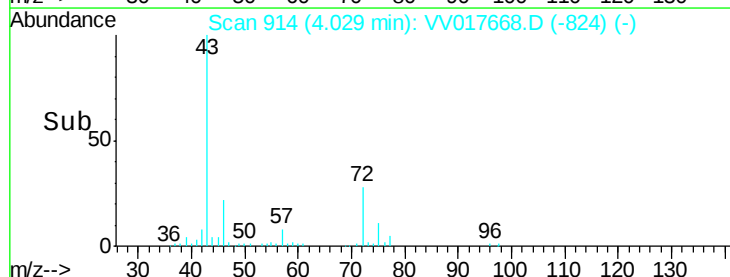
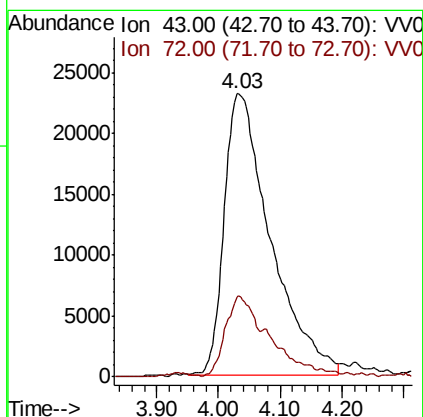
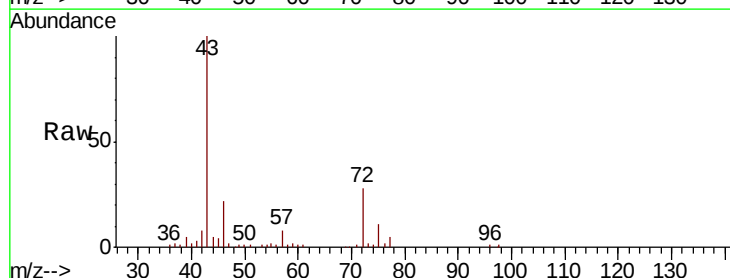
RT: 4.03 min Scan# 914

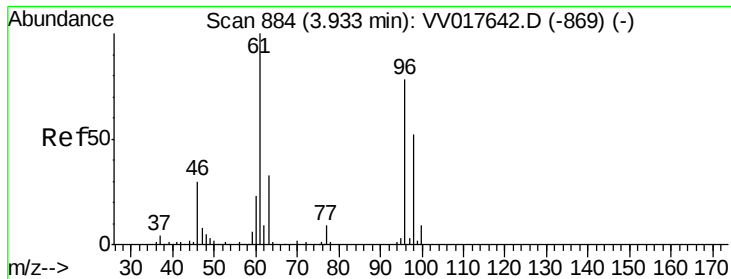
Delta R.T. -0.01 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Tgt Ion:	43	Resp:	119713
Ion	Ratio	Lower	Upper
43	100		
72	18.1	13.0	38.9



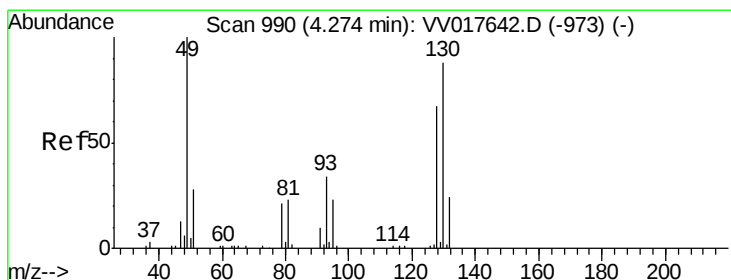
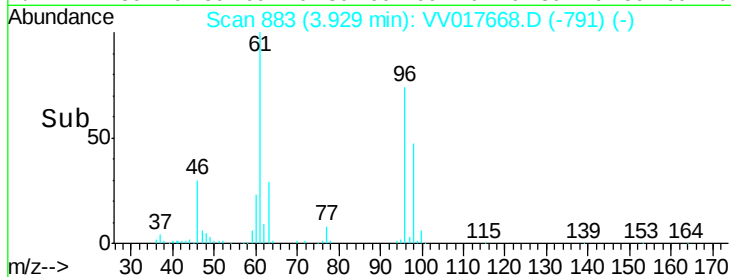
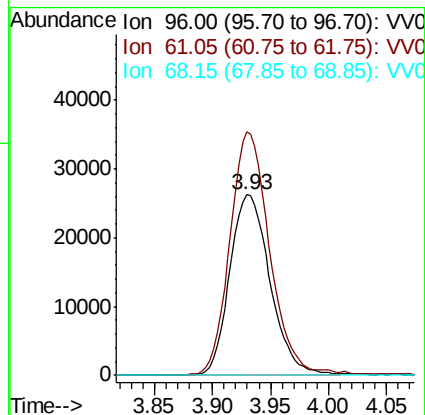
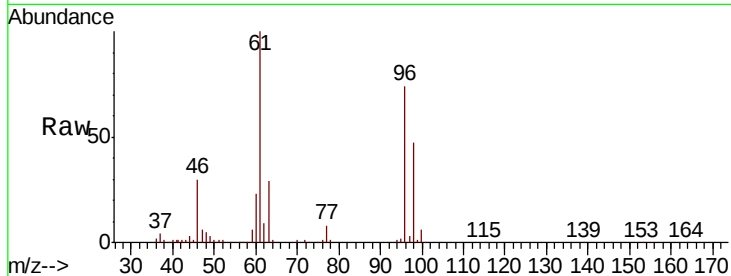


#22

cis-1,2-Dichloroethene
 Concen: 4.909 ug/L
 RT: 3.93 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

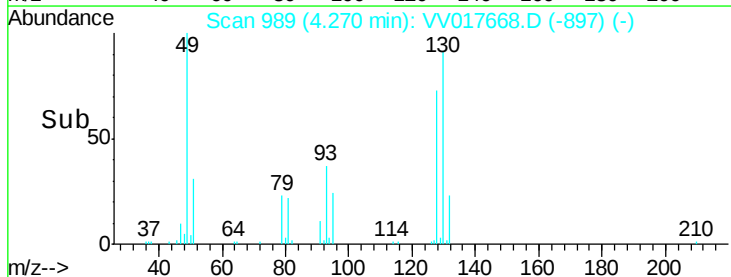
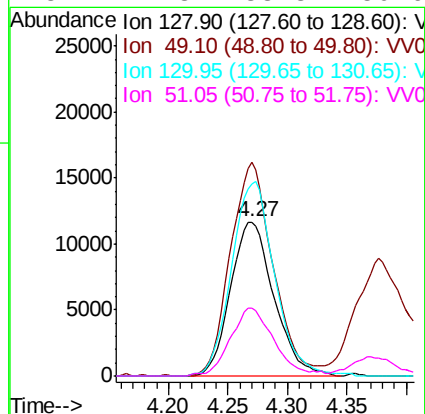
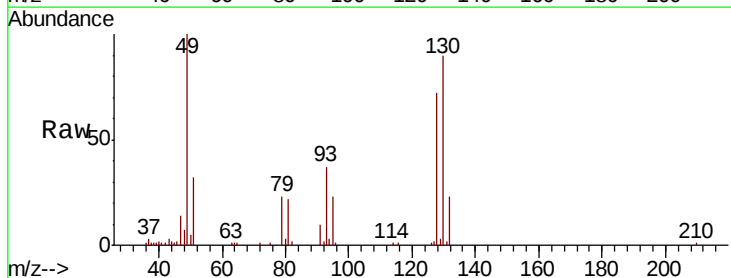
Tot Ion: 96 Resp: 63530
 Ion Ratio Lower Upper
 96 100
 61 135.0 89.6 166.4
 68 0.0 0.0 0.0

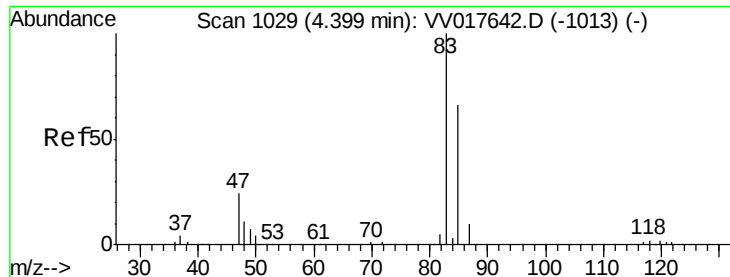


#23

Bromochloromethane
 Concen: 4.943 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 128 Resp: 29474
 Ion Ratio Lower Upper
 128 100
 49 138.6 92.2 171.2
 130 124.4 77.2 143.4
 51 44.3 33.8 50.6

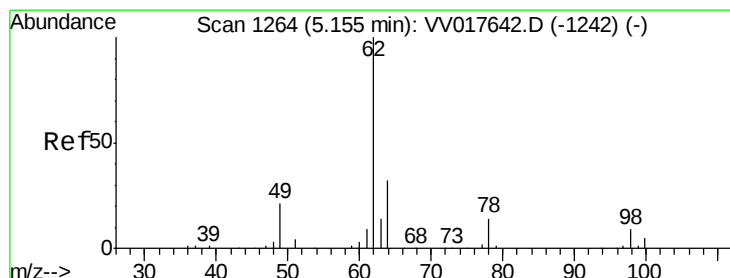
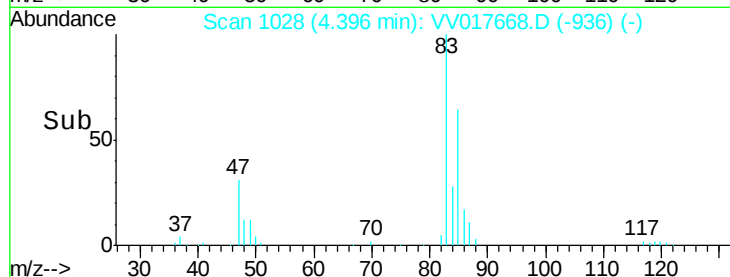
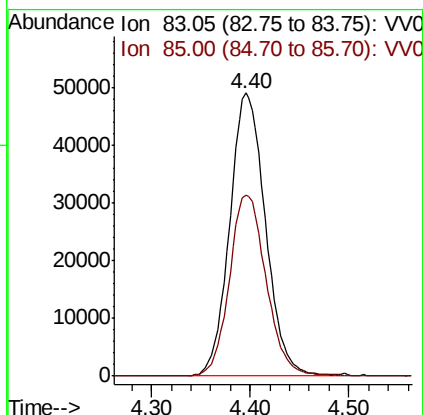
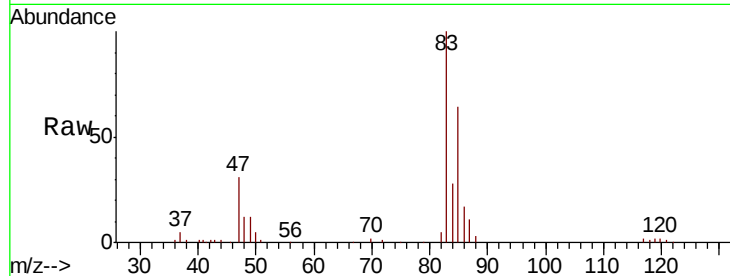




#25
Chloroform
Concen: 5.103 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

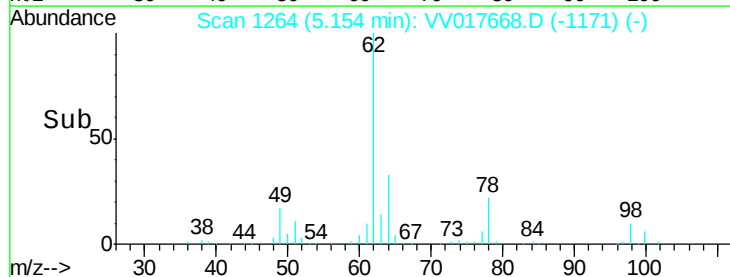
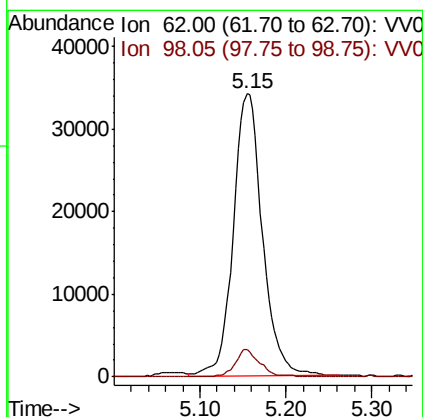
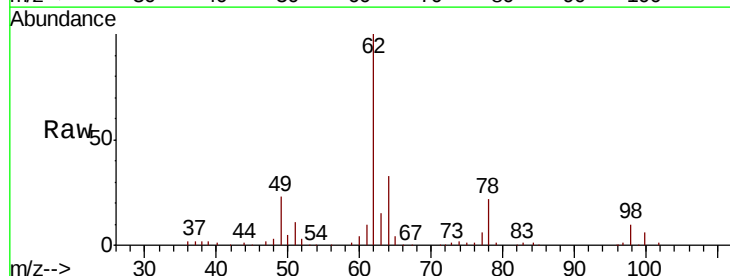
Instrument :
MSVOA_V
ClientSampled :

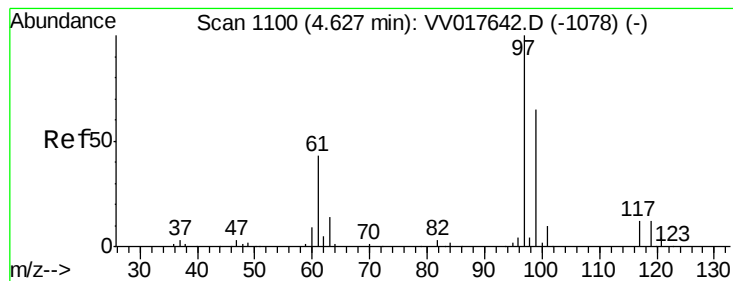
Tot Ion: 83 Resp: 123779
Ion Ratio Lower Upper
83 100
85 64.1 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.125 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Tgt Ion: 62 Resp: 80609
Ion Ratio Lower Upper
62 100
98 9.5 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.988 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Instrument :
MSVOA_V
ClientSampled :

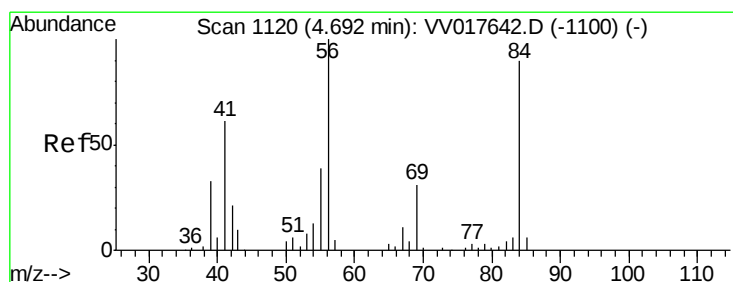
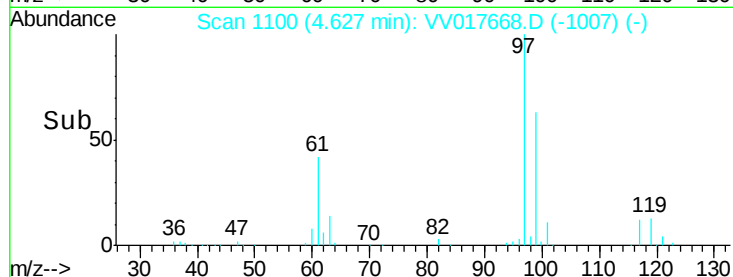
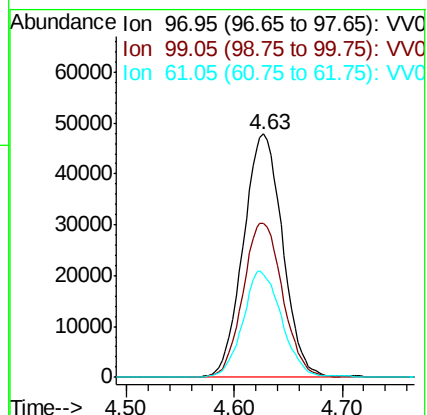
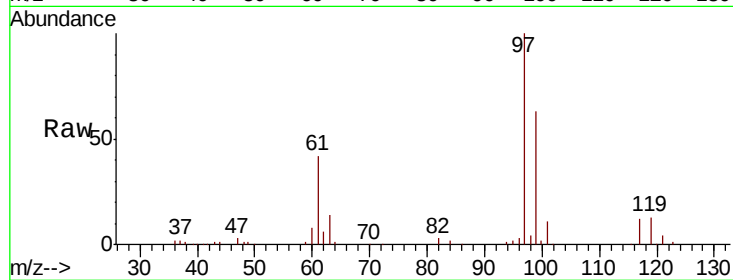
Tot Ion: 97 Resp: 121173

Ion Ratio Lower Upper

97 100

99 63.9 50.6 76.0

61 43.0 35.7 53.5



#30

Cyclohexane

Concen: 4.478 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

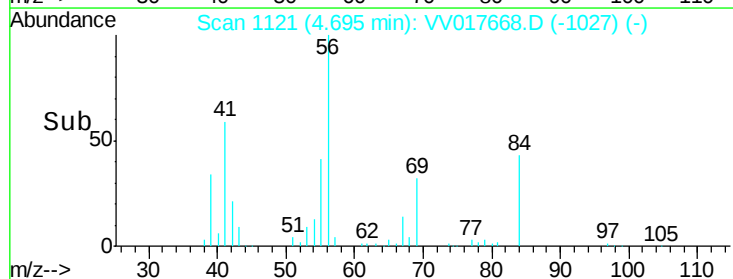
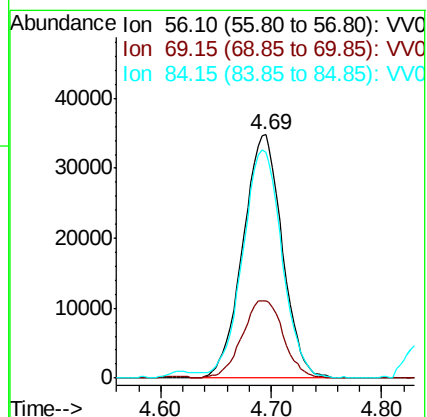
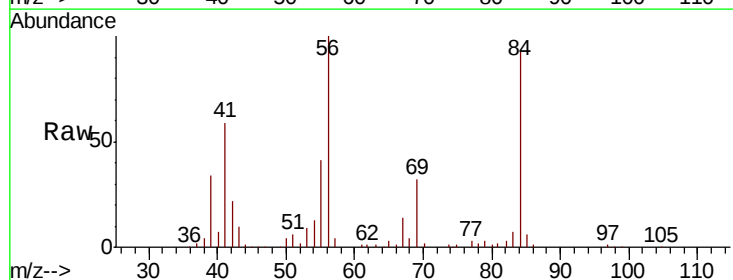
Tgt Ion: 56 Resp: 86185

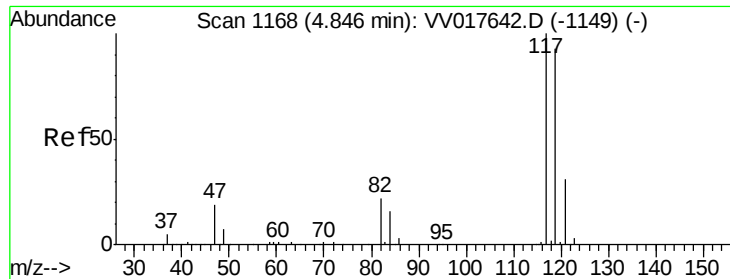
Ion Ratio Lower Upper

56 100

69 33.3 25.4 38.2

84 94.0 73.0 109.4



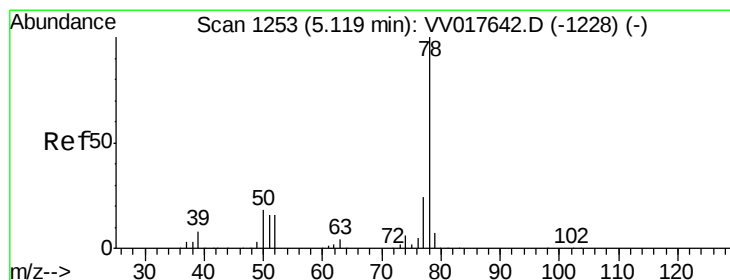
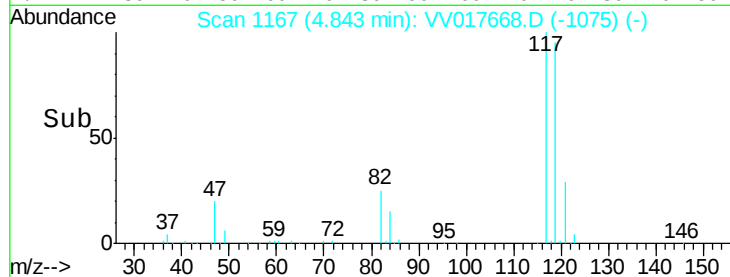
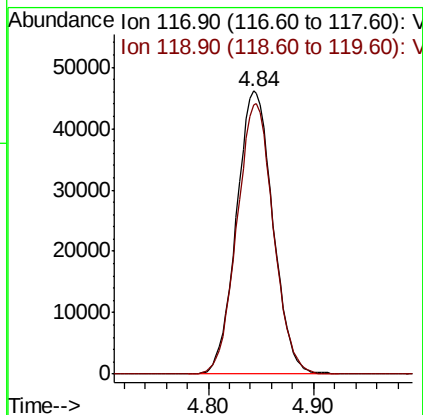
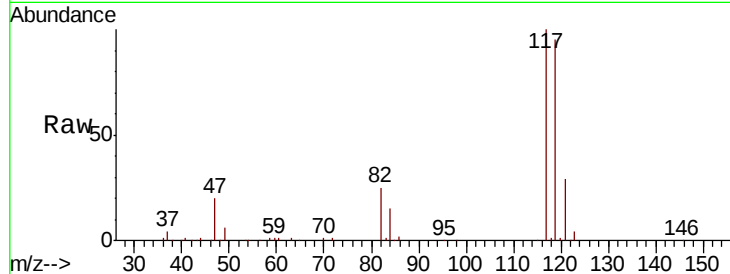


#31

Carbon tetrachloride
 Concen: 5.122 ug/L
 RT: 4.84 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Instrument :
 MSVOA_V
 ClientSampled :

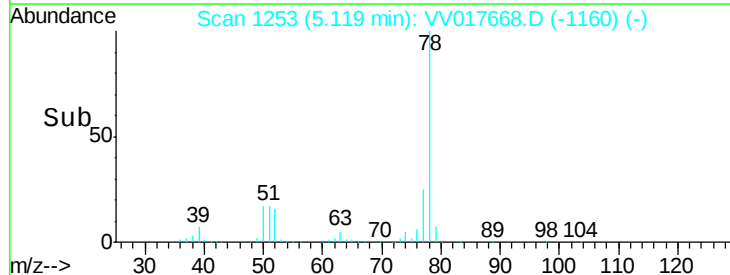
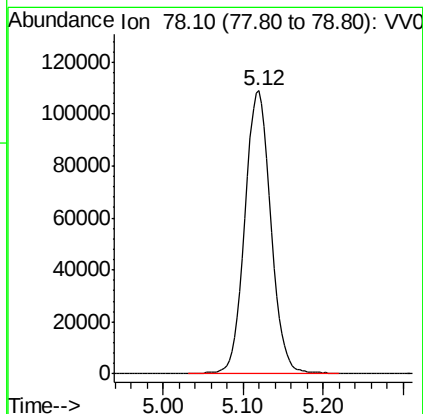
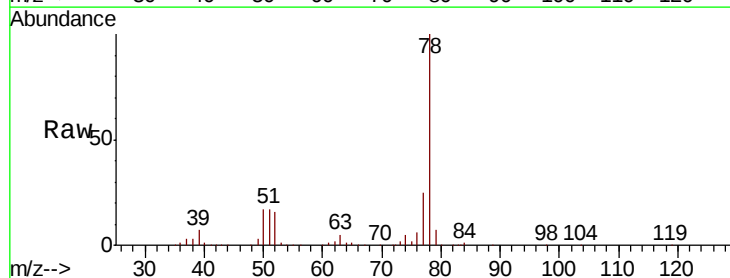
Tot Ion:117 Resp: 110673
 Ion Ratio Lower Upper
 117 100
 119 95.6 76.9 115.3

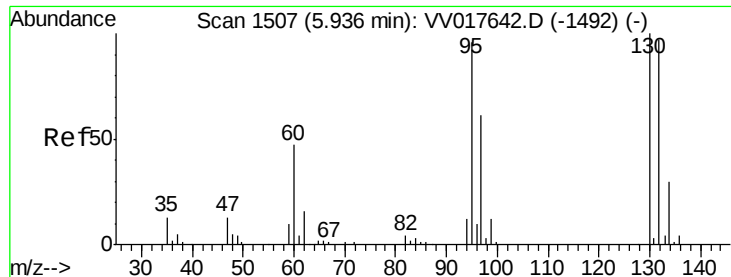


#33

Benzene
 Concen: 4.855 ug/L
 RT: 5.12 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 78 Resp: 238611

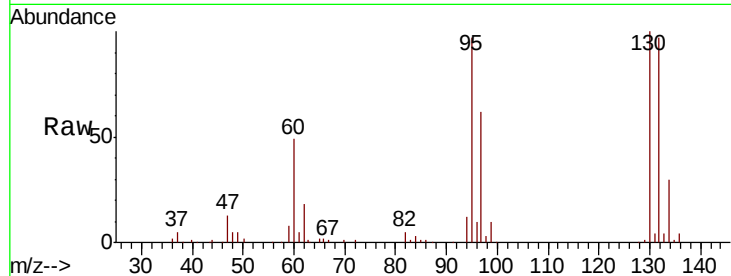




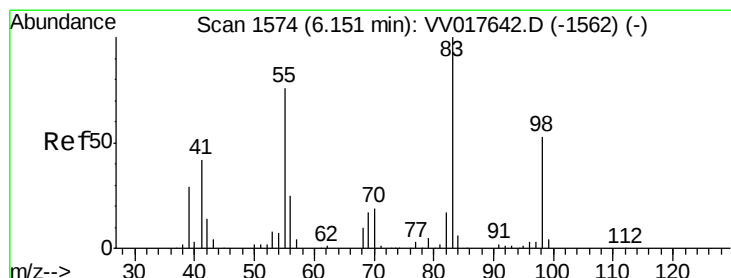
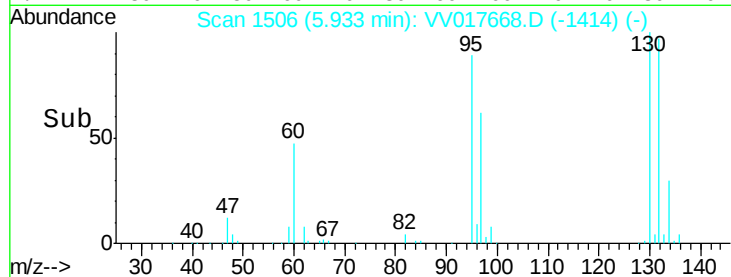
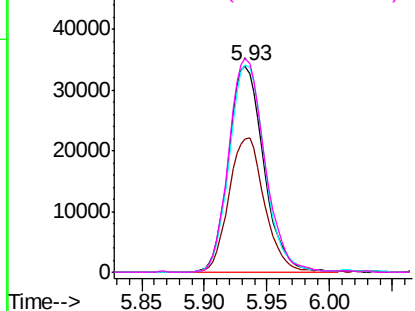
#34
 Trichloroethene
 Concen: 4.841 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 66454
 Ion Ratio Lower Upper
 95 100
 97 64.6 46.1 85.5
 132 100.8 71.7 133.1
 130 103.5 74.3 137.9

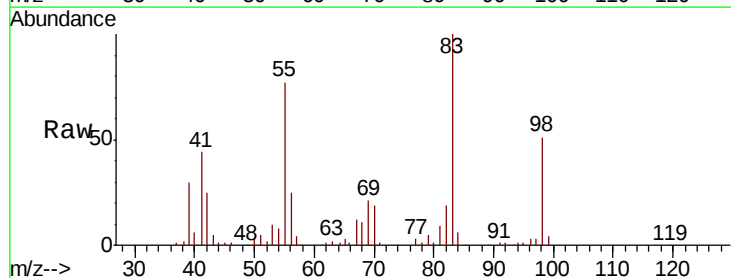


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

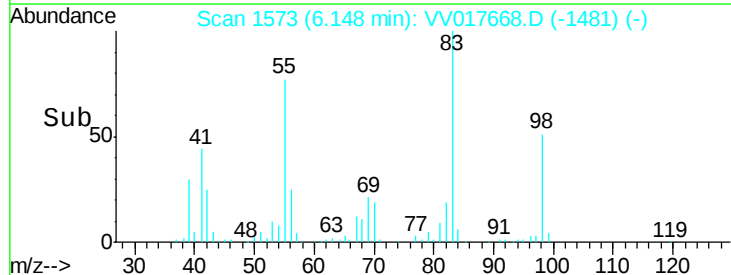
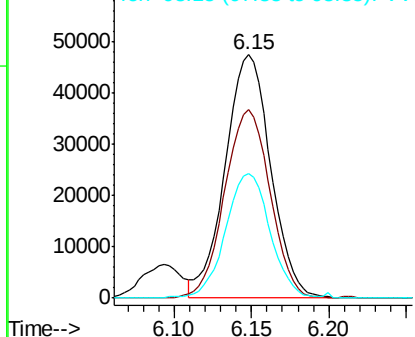


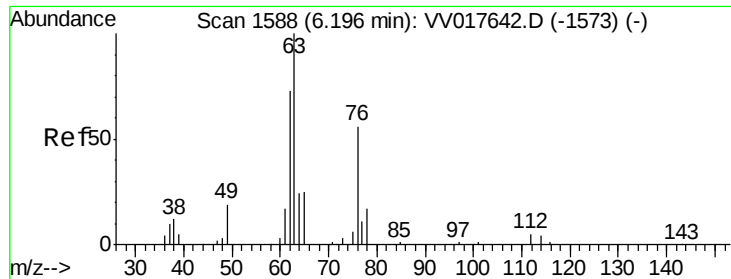
#35
 Methylcyclohexane
 Concen: 4.670 ug/L
 RT: 6.15 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 83 Resp: 96982
 Ion Ratio Lower Upper
 83 100
 55 77.5 61.8 92.8
 98 50.2 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

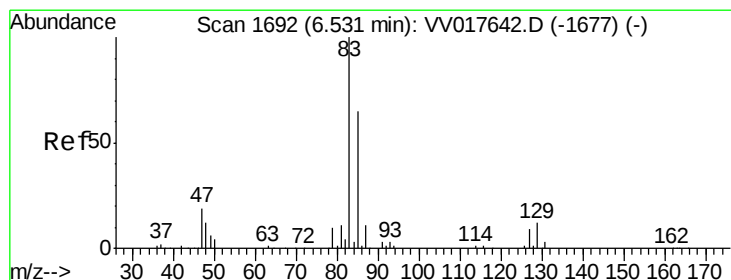
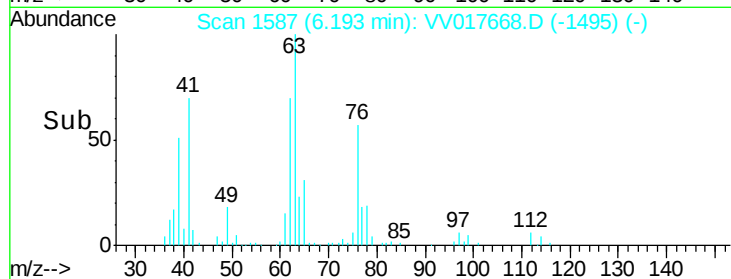
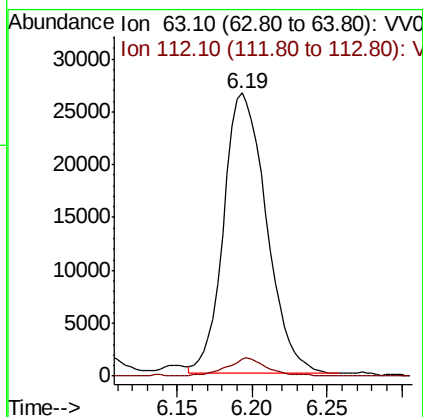
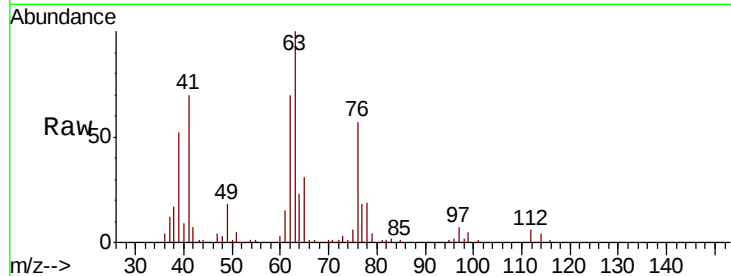




#37
 1,2-Dichloropropane
 Concen: 4.594 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

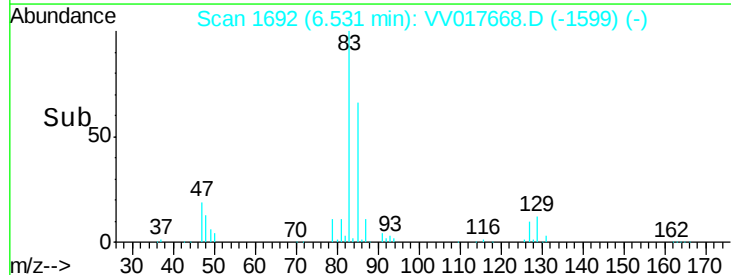
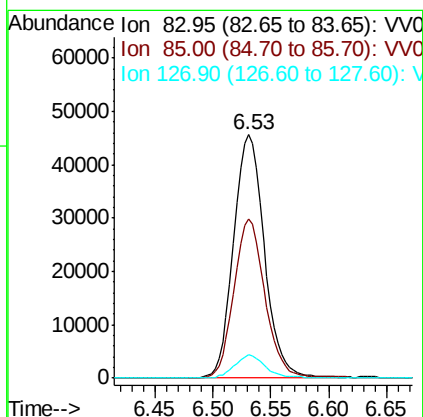
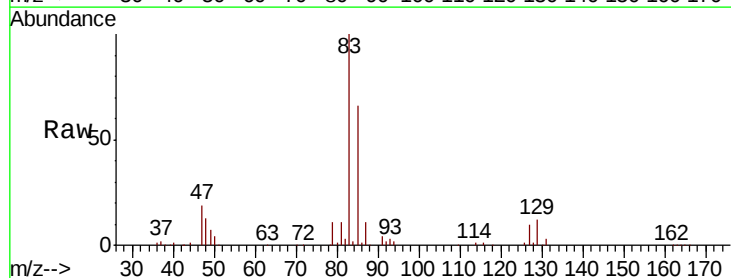
Instrument :
 MSVOA_V
 ClientSampleId :

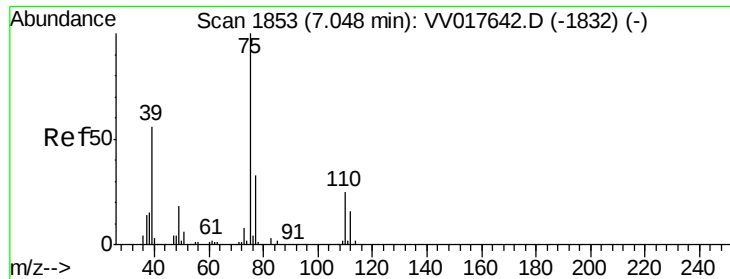
Tot Ion: 63 Resp: 53059
 Ion Ratio Lower Upper
 63 100
 112 6.2 4.5 6.7



#38
 Bromodichloromethane
 Concen: 4.966 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 83 Resp: 84383
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.7 83.1
 127 9.6 7.4 11.0

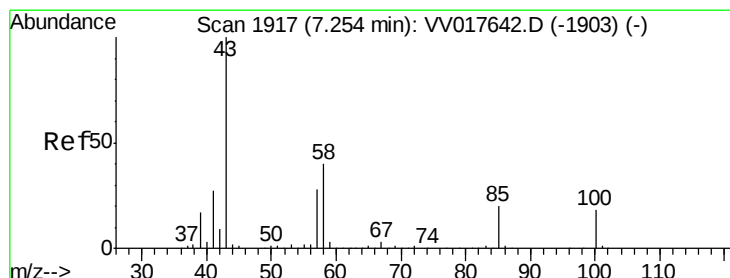
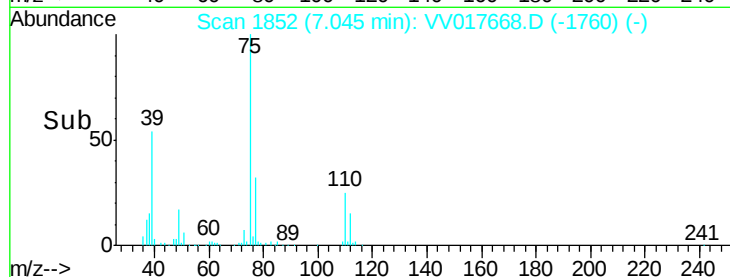
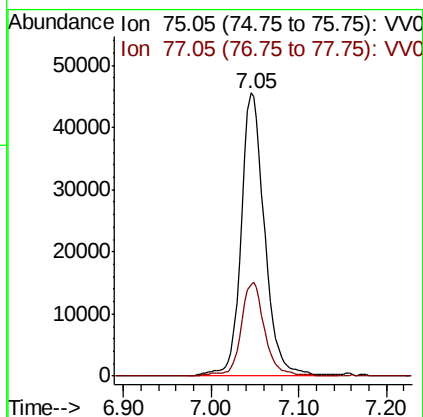
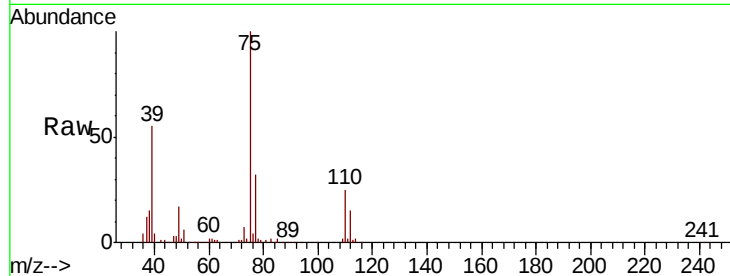




#39
 cis-1,3-Dichloropropene
 Concen: 4.881 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

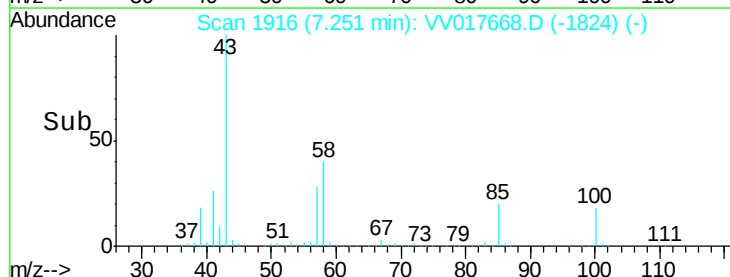
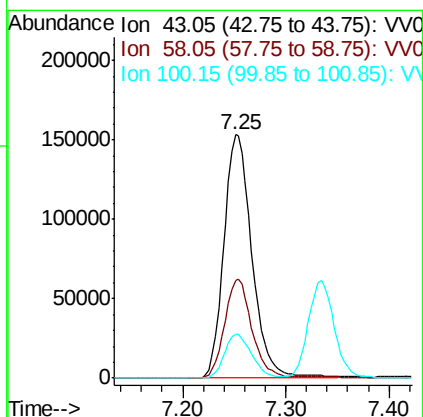
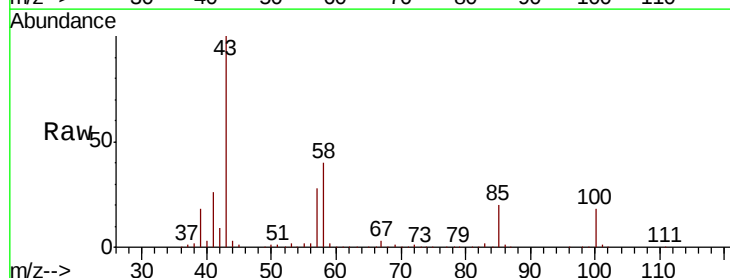
Instrument :
 MSVOA_V
 ClientSampled :

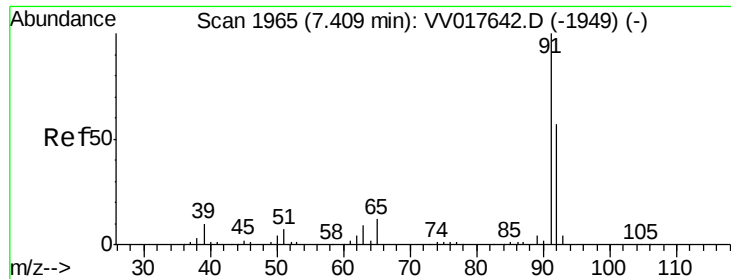
Tot Ion: 75 Resp: 85034
 Ion Ratio Lower Upper
 75 100
 77 32.5 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 45.889 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 43 Resp: 290605
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.2 46.8
 100 17.4 13.6 20.4





#42

Toluene

Concen: 5.029 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

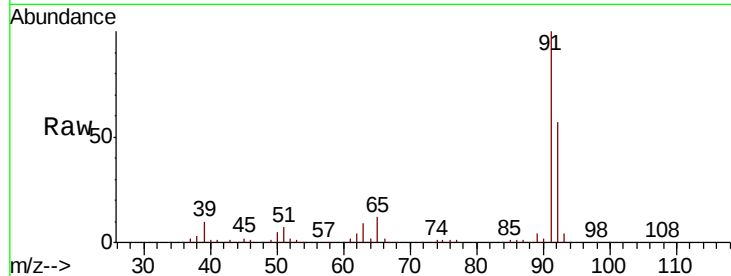
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 269639

Ion Ratio Lower Upper

91 100

92 57.4 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017642.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017642.D (-1949) (-)

7.41

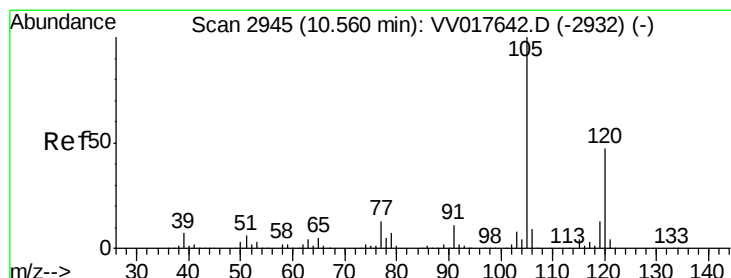
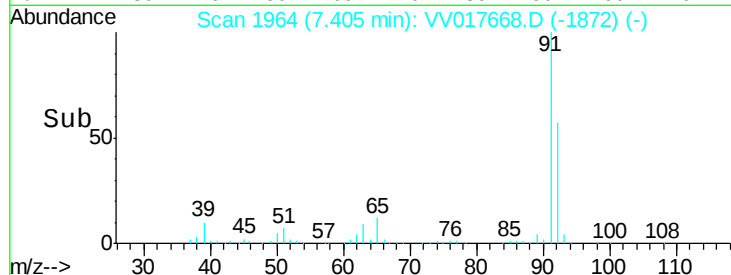
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.090 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017668.D

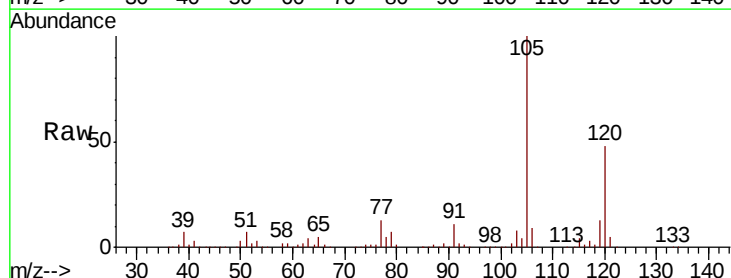
Acq: 27 Jul 2020 10:09

Tgt Ion:105 Resp: 254792

Ion Ratio Lower Upper

105 100

120 48.9 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017642.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017642.D (-2932) (-)

10.56

200000

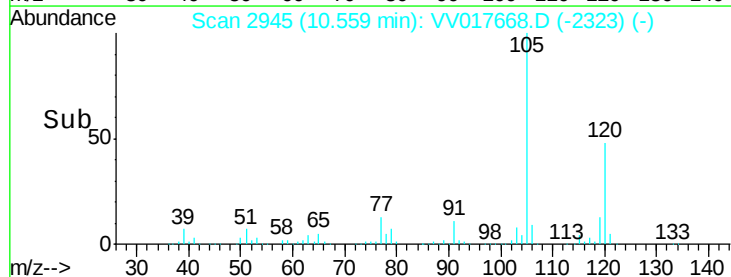
150000

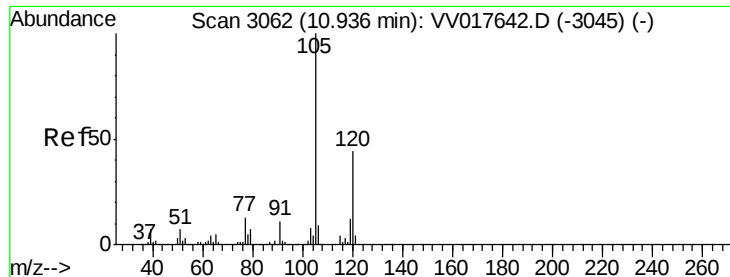
100000

50000

0

Time-->

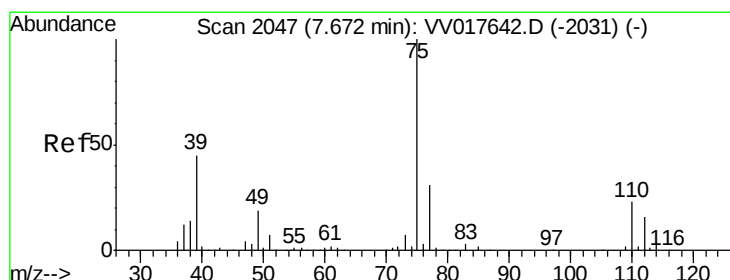
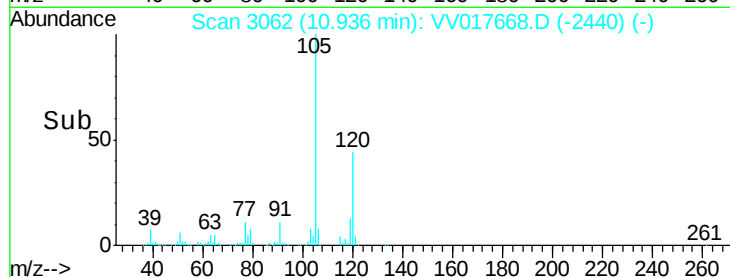
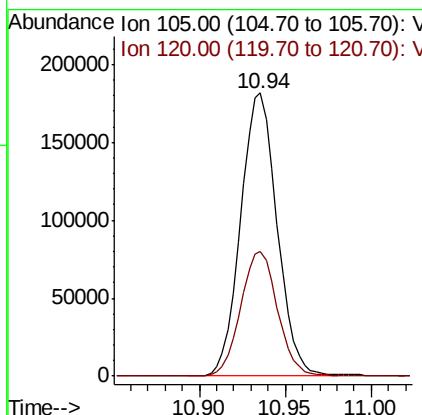
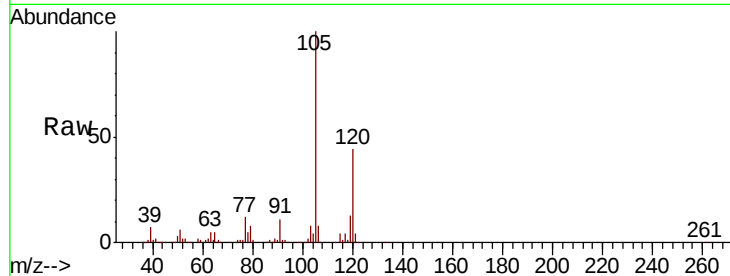




#44
 1,2,4-Trimethylbenzene
 Concen: 5.226 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

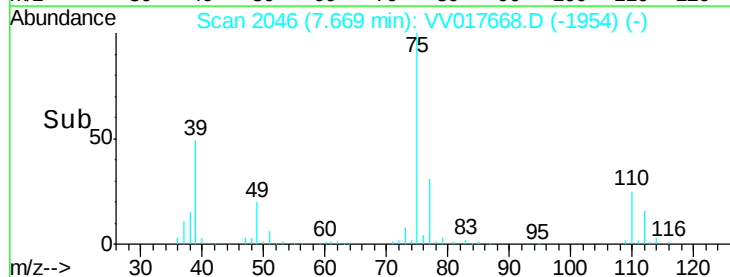
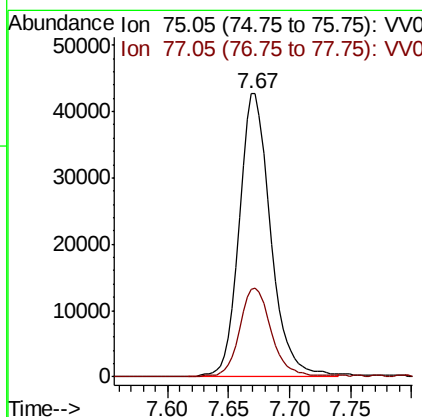
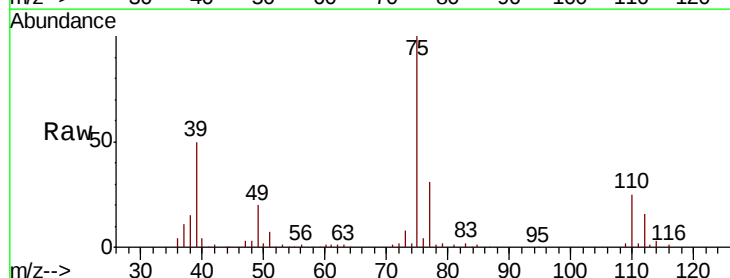
Instrument :
 MSVOA_V
 ClientSampleId :

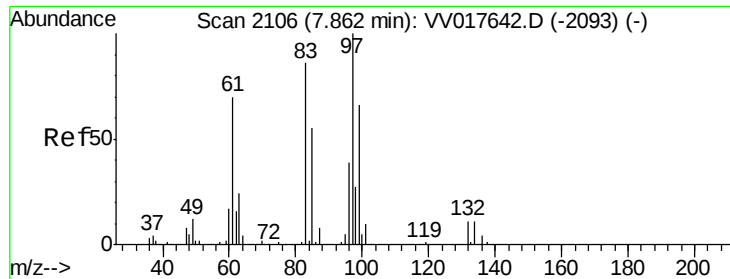
Tot Ion:105 Resp: 267271
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 4.870 ug/L
 RT: 7.67 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 75 Resp: 76170
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.5 41.7

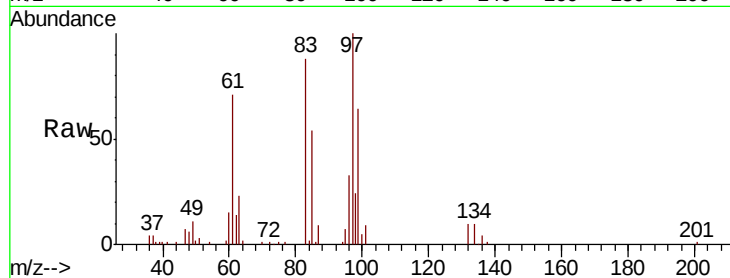




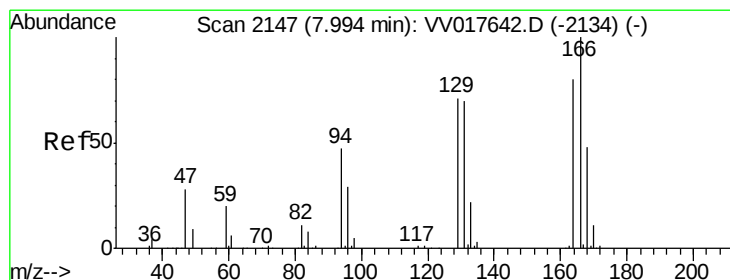
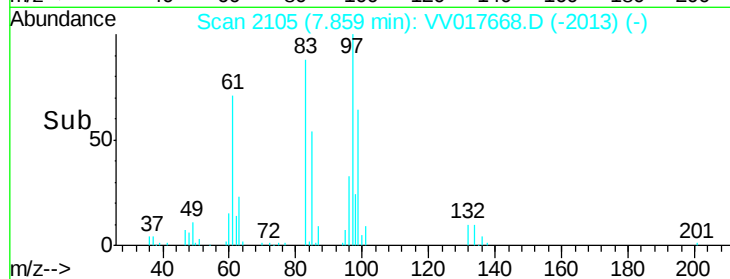
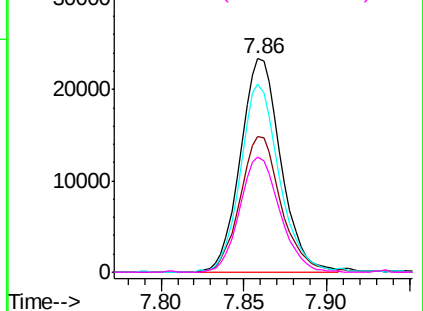
#47
 1,1,2-Trichloroethane
 Concen: 4.537 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	39738
Ion	Ratio	Lower	Upper
97	100		
99	63.7	39.5	73.4
83	88.2	52.6	97.6
85	54.1	35.1	65.1

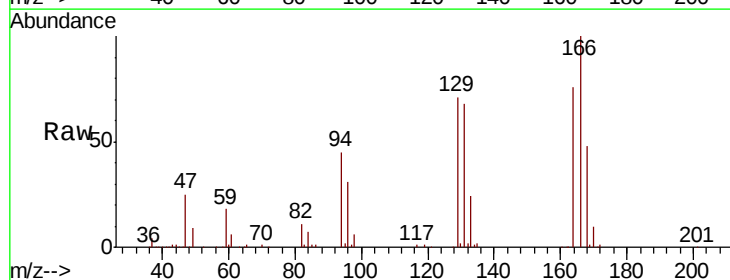


Abundance Ion 96.95 (96.65 to 97.65): VV017668.D (-2093) (-)
 Ion 99.05 (98.75 to 99.75): VV017668.D (-2093) (-)
 Ion 82.95 (82.65 to 83.65): VV017668.D (-2093) (-)
 Ion 85.00 (84.70 to 85.70): VV017668.D (-2093) (-)

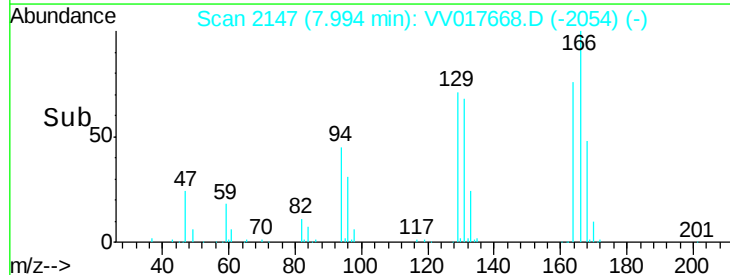
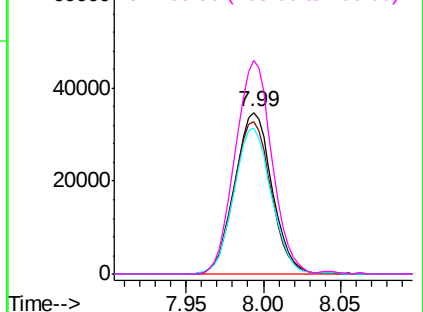


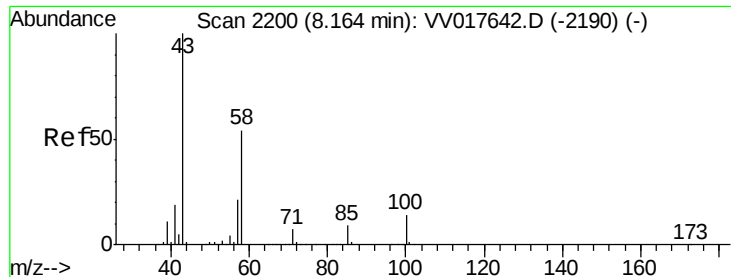
#49
 Tetrachloroethene
 Concen: 4.844 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion:	164	Resp:	58632
Ion	Ratio	Lower	Upper
164	100		
129	94.5	65.0	120.8
131	90.1	63.6	118.2
166	132.4	91.7	170.3



Abundance Ion 163.90 (163.60 to 164.60): VV017668.D (-2054) (-)
 Ion 128.95 (128.65 to 129.65): VV017668.D (-2054) (-)
 Ion 130.95 (130.65 to 131.65): VV017668.D (-2054) (-)
 Ion 165.90 (165.60 to 166.60): VV017668.D (-2054) (-)

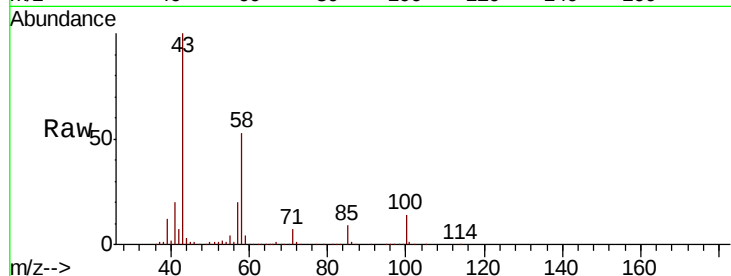




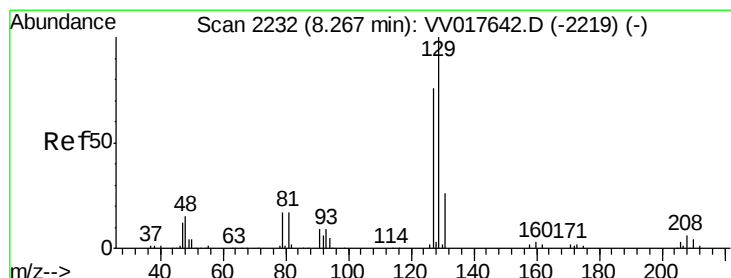
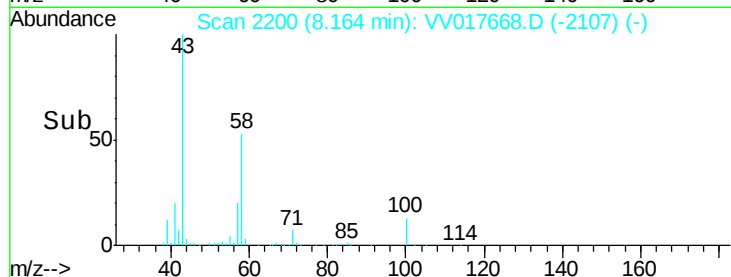
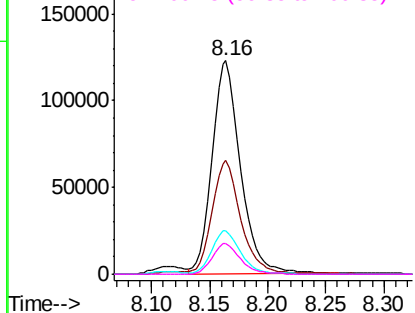
#50
2-Hexanone
Concen: 46.995 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 210581
Ion Ratio Lower Upper
43 100
58 54.0 41.6 62.4
57 20.5 15.4 23.0
100 14.4 11.2 16.8

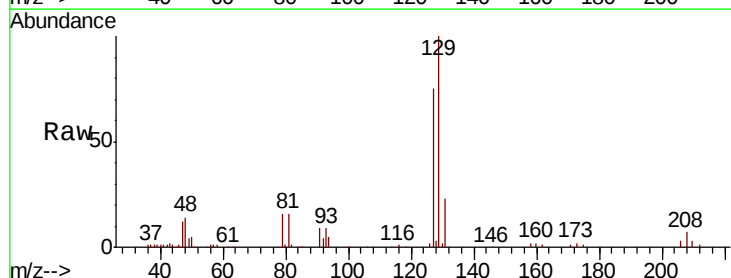


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

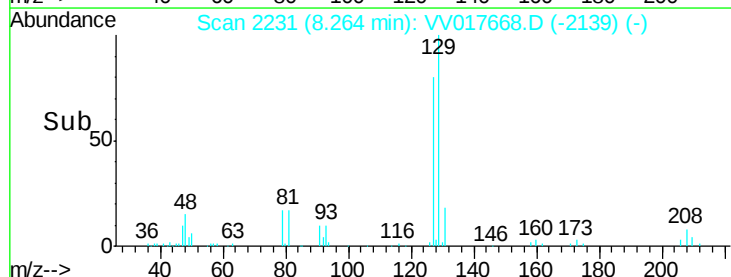
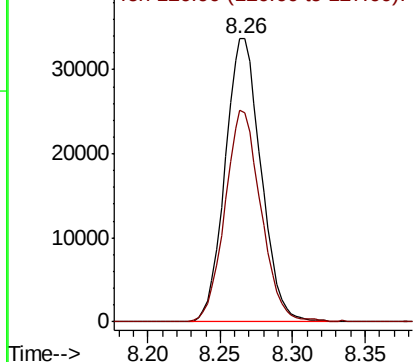


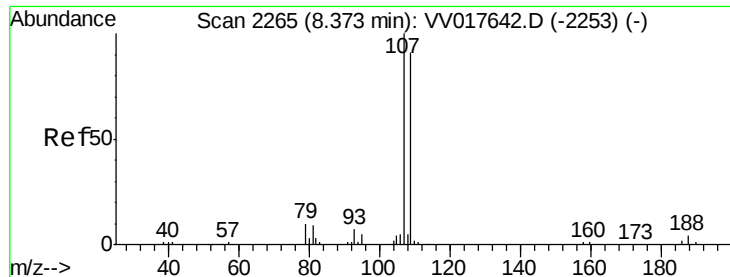
#51
Dibromochloromethane
Concen: 5.174 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Tgt Ion: 129 Resp: 57683
Ion Ratio Lower Upper
129 100
127 74.7 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

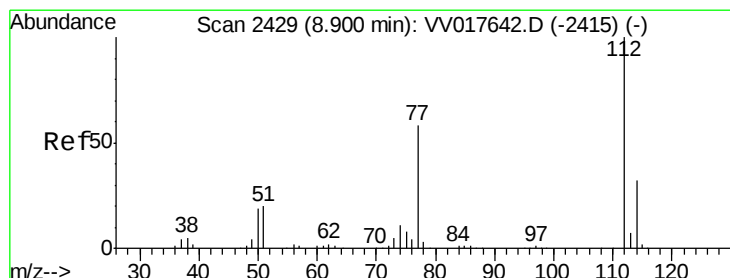
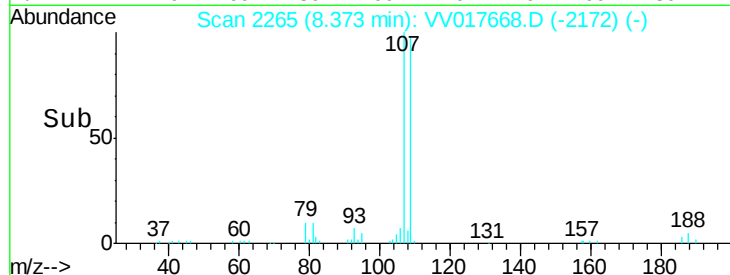
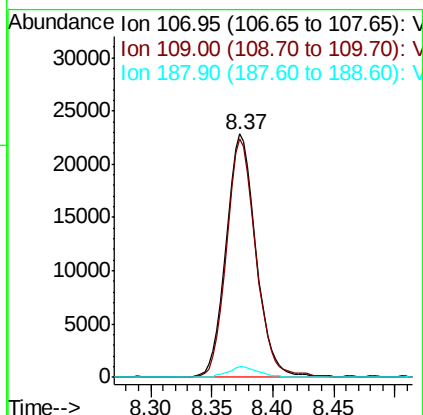
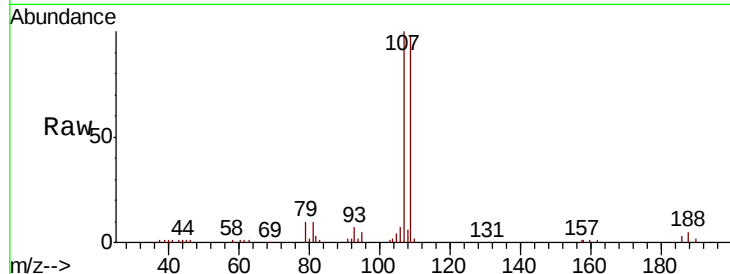




#52
 1,2-Dibromoethane
 Concen: 4.745 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

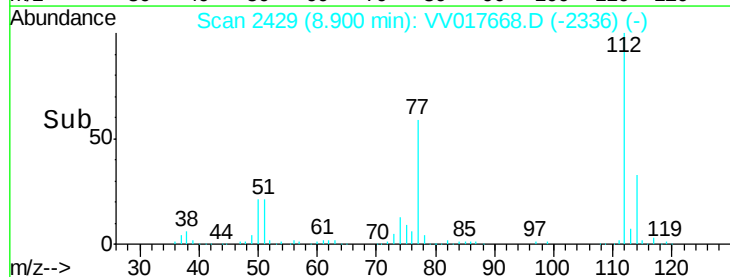
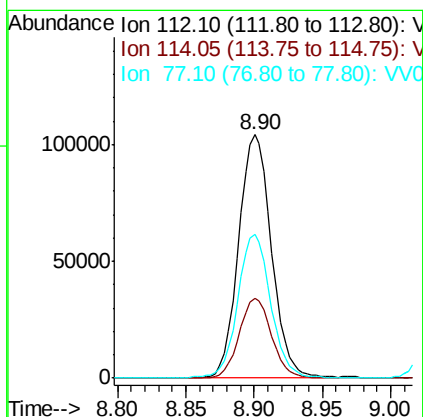
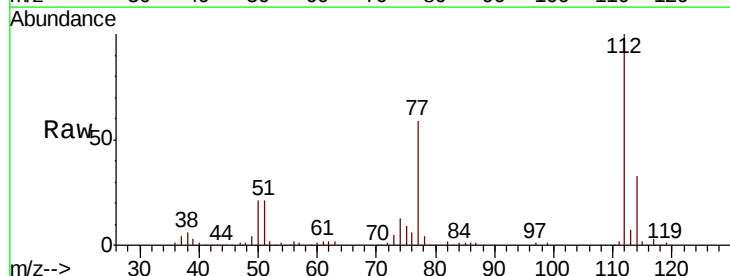
Instrument :
 MSVOA_V
 ClientSampleId :

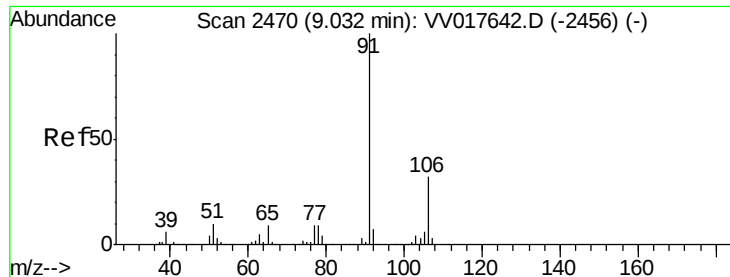
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	65.5	121.7
188	4.6	3.7	5.5



#53
 Chlorobenzene
 Concen: 4.885 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	23.2	43.2
77	59.1	45.6	68.4





#54

Ethylbenzene

Concen: 4.915 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Instrument :

MSVOA_V

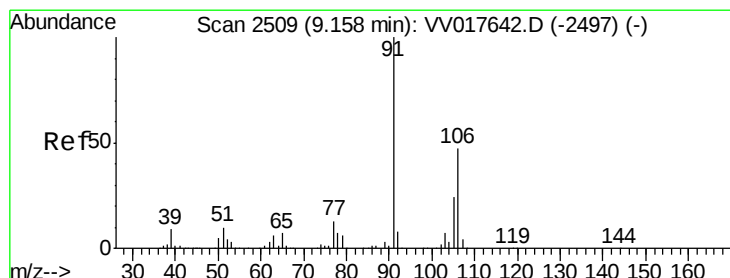
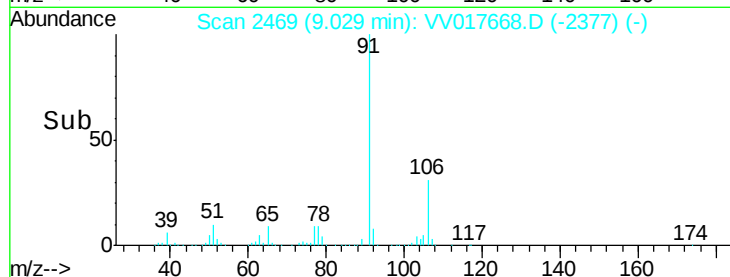
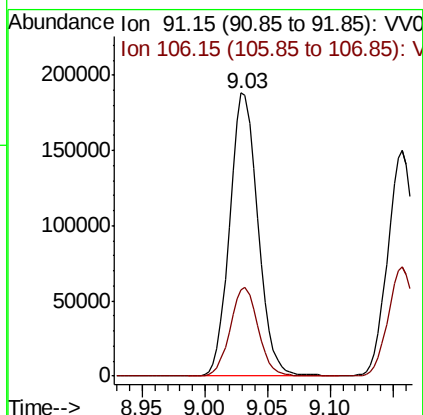
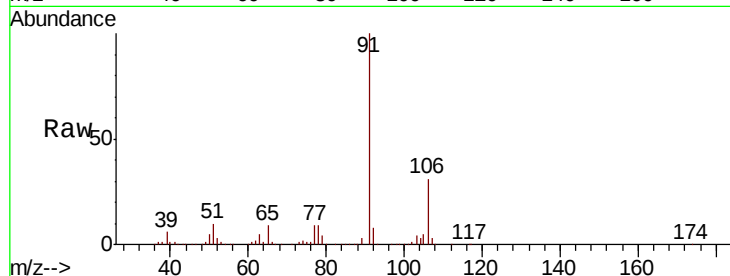
ClientSampleId :

Tot Ion: 91 Resp: 295003

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.2



#55

m,p-xylene

Concen: 5.111 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017668.D

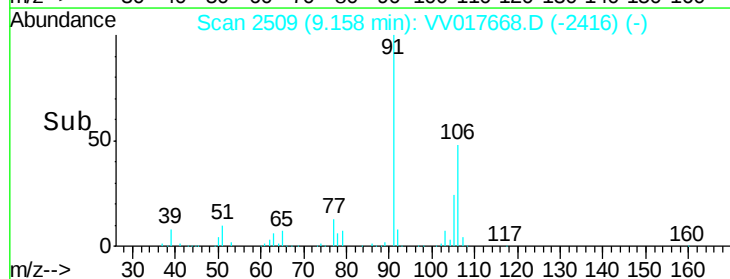
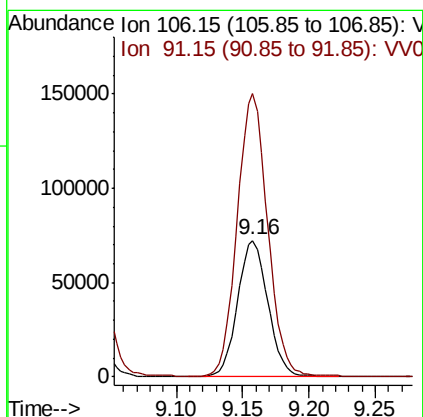
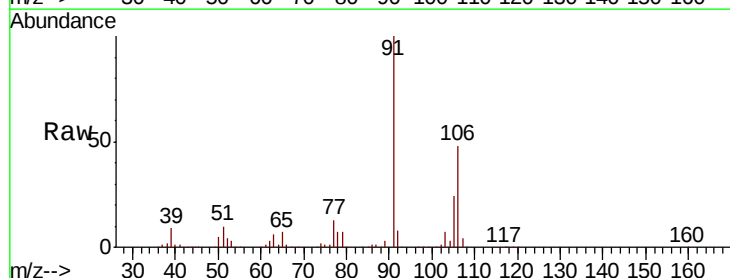
Acq: 27 Jul 2020 10:09

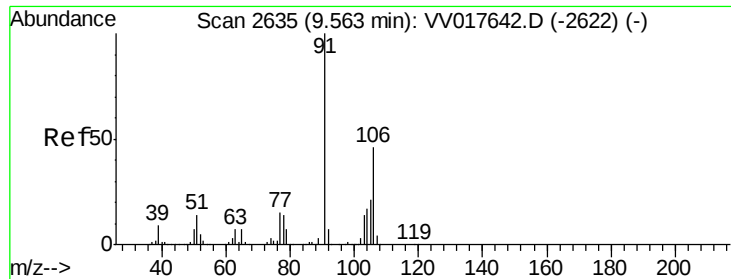
Tgt Ion: 106 Resp: 115543

Ion Ratio Lower Upper

106 100

91 207.6 141.3 262.3

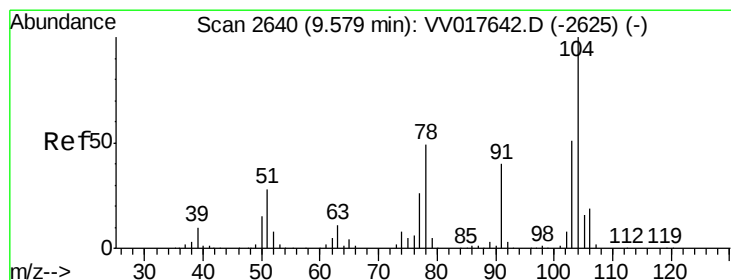
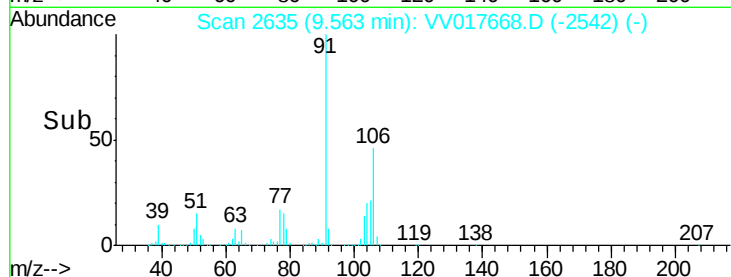
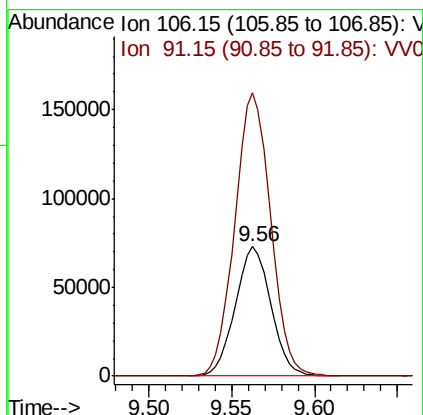
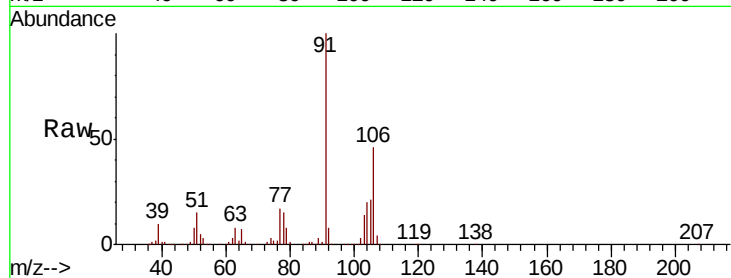




#56
o-xylene
Concen: 4.969 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

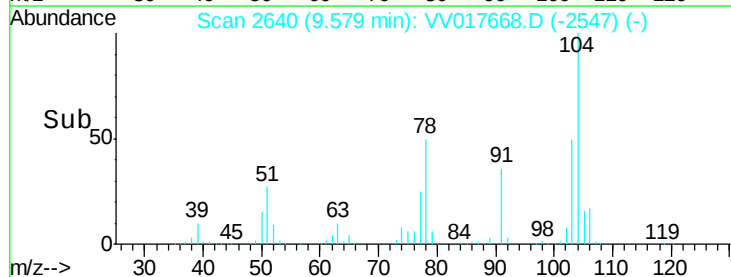
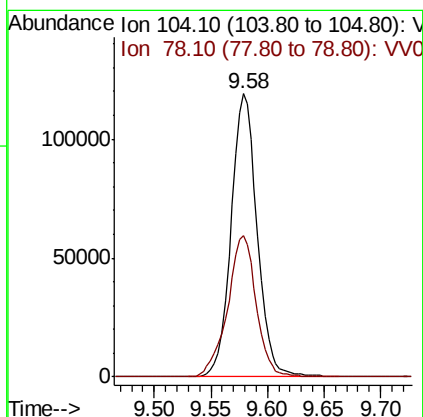
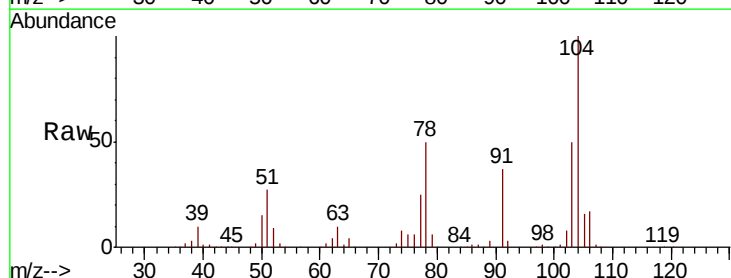
Instrument :
MSVOA_V
ClientSampleId :

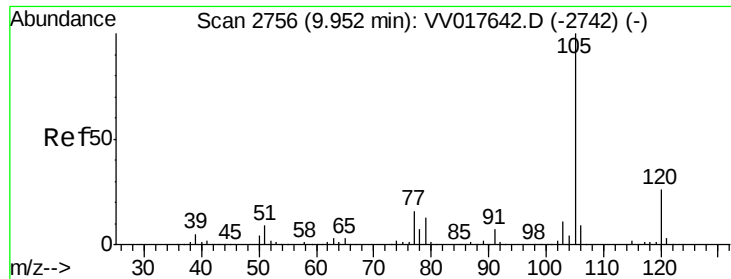
Tot Ion:106 Resp: 109005
Ion Ratio Lower Upper
106 100
91 219.1 153.9 285.7



#57
Styrene
Concen: 5.206 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017668.D
Acq: 27 Jul 2020 10:09

Tgt Ion:104 Resp: 190570
Ion Ratio Lower Upper
104 100
78 49.8 34.0 63.2





#58

Isopropylbenzene

Concen: 5.055 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

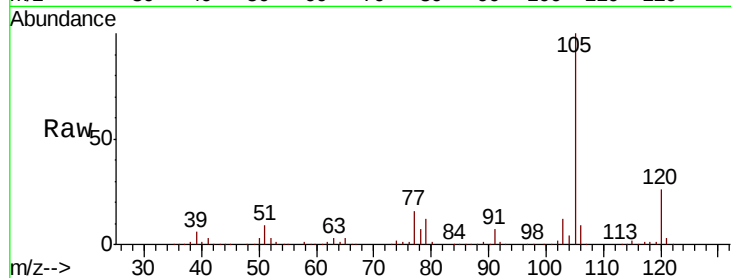
Tot Ion:105 Resp: 305903

Ion Ratio Lower Upper

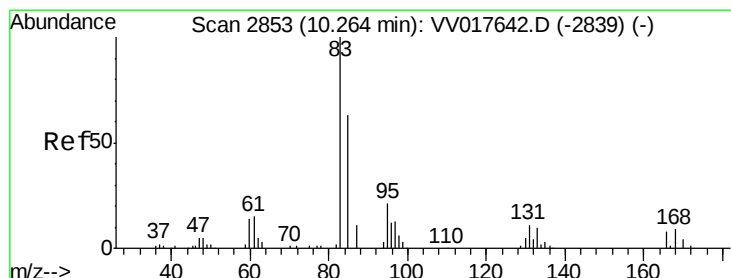
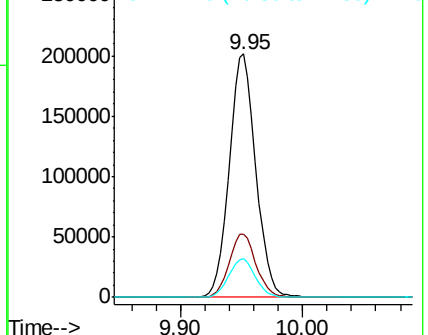
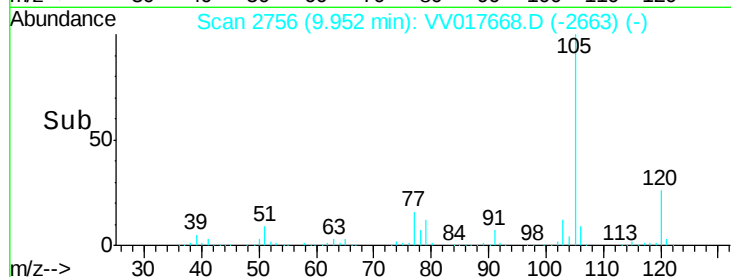
105 100

120 26.3 21.1 31.7

77 16.0 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 4.508 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

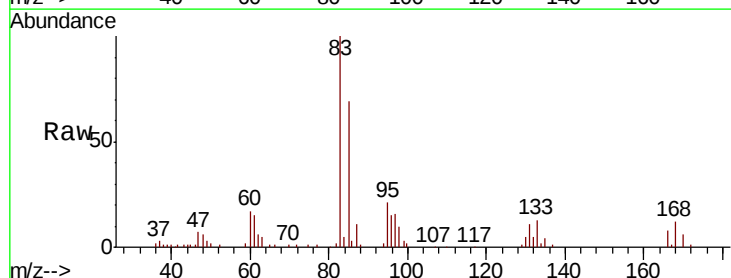
Tgt Ion: 83 Resp: 43027

Ion Ratio Lower Upper

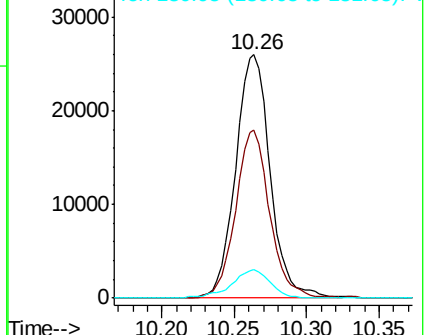
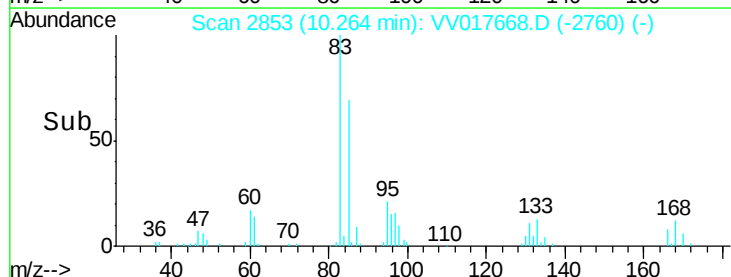
83 100

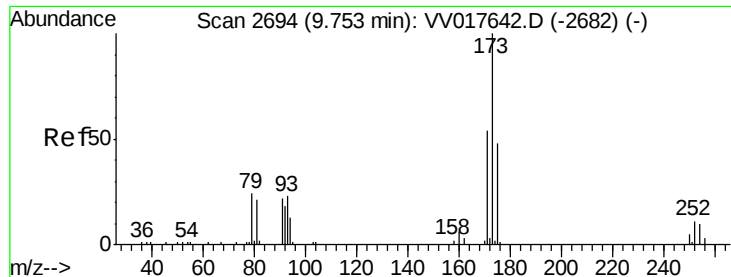
85 69.3 44.4 82.5

131 11.5 9.2 13.8



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.051 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

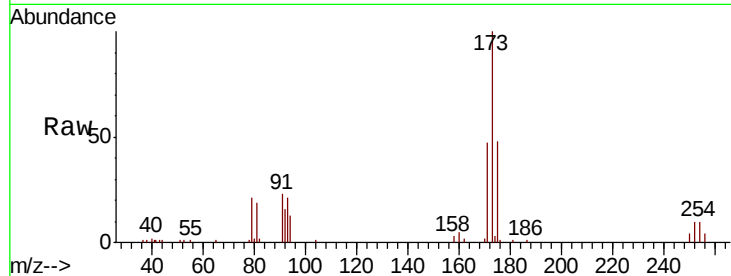
Tot Ion:173 Resp: 31845

Ion Ratio Lower Upper

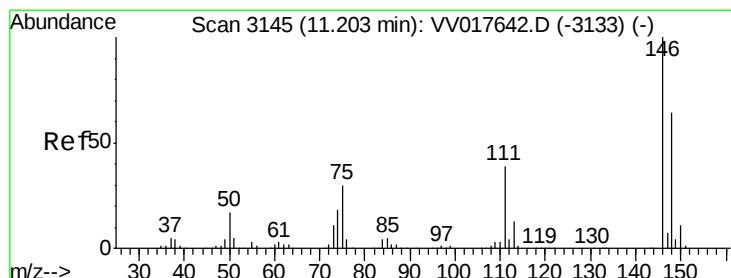
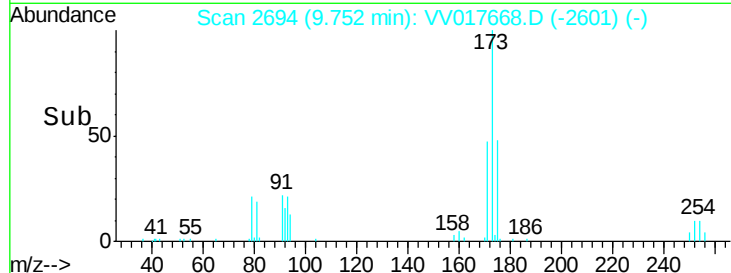
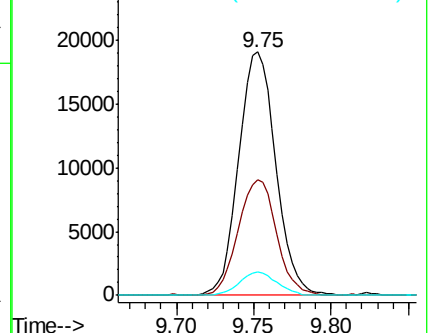
173 100

175 49.0 39.6 59.4

254 9.6 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: 4.840 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

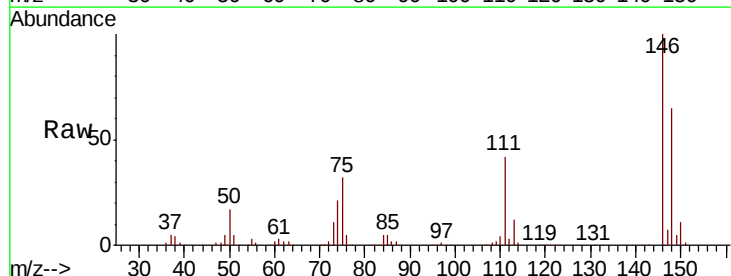
Tgt Ion:146 Resp: 153500

Ion Ratio Lower Upper

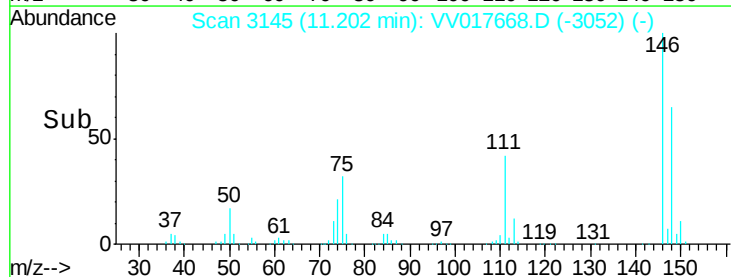
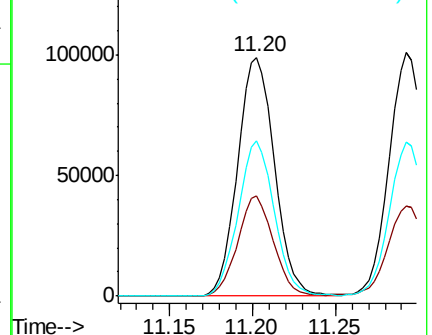
146 100

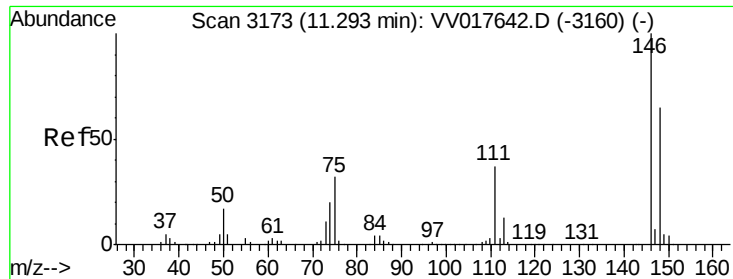
111 41.9 27.3 50.7

148 64.7 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: 4.899 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

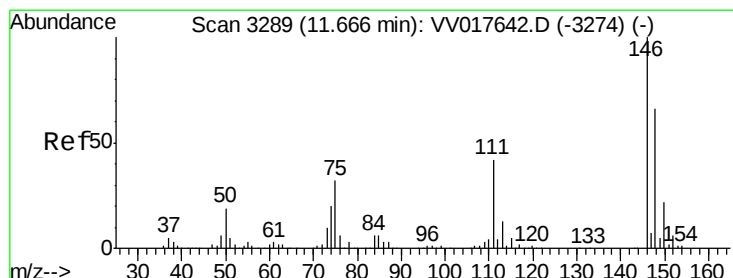
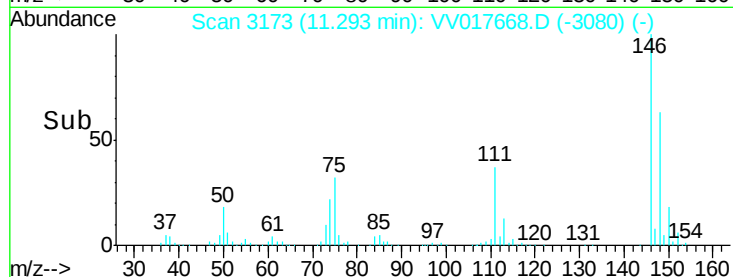
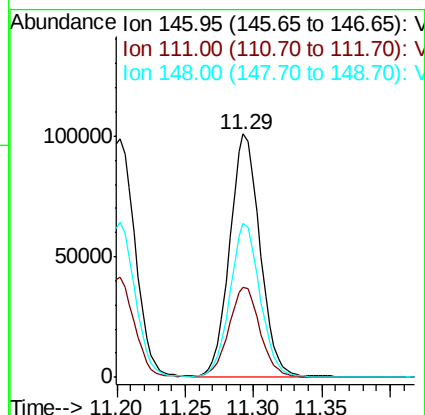
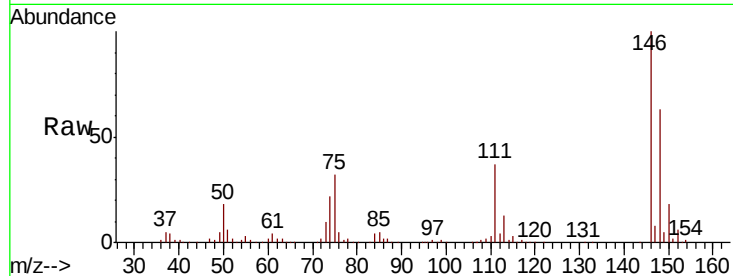
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146 Resp: 155931

Ion	Ratio	Lower	Upper
146	100		
111	37.1	27.4	51.0
148	63.1	43.8	81.4



#66

1,2-Dichlorobenzene

Concen: 4.826 ug/L

RT: 11.67 min Scan# 3289

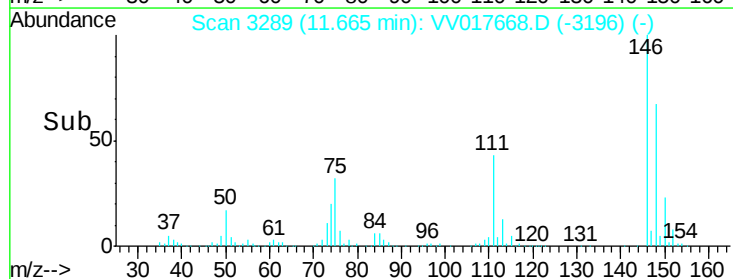
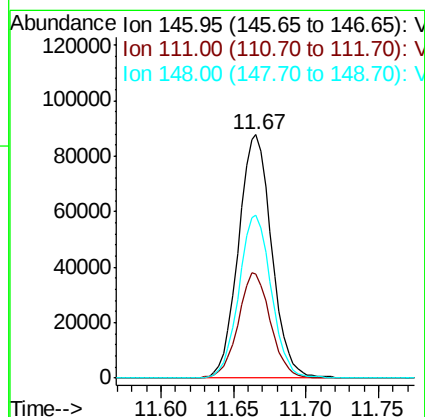
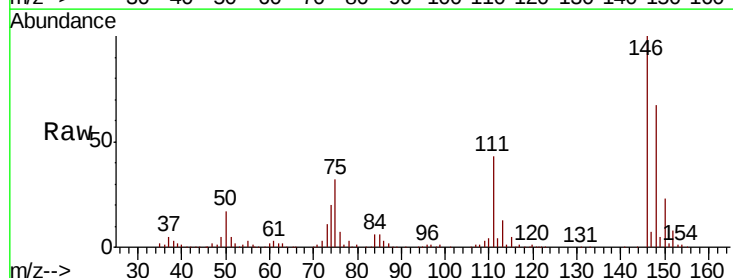
Delta R.T. -0.00 min

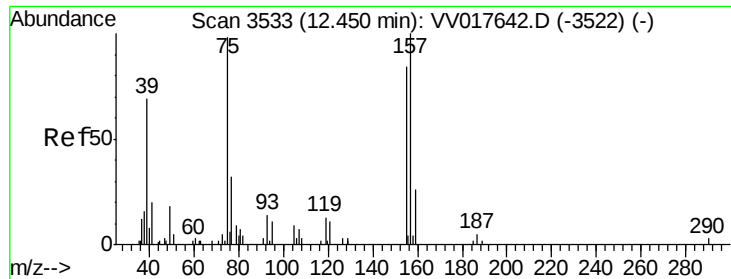
Lab File: VV017668.D

Acq: 27 Jul 2020 10:09

Tgt Ion:146 Resp: 139434

Ion	Ratio	Lower	Upper
146	100		
111	42.9	33.0	49.4
148	66.9	49.9	74.9

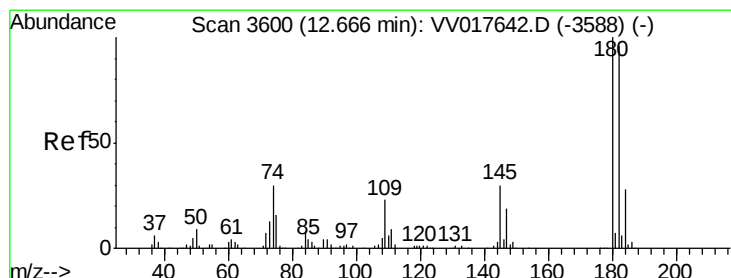
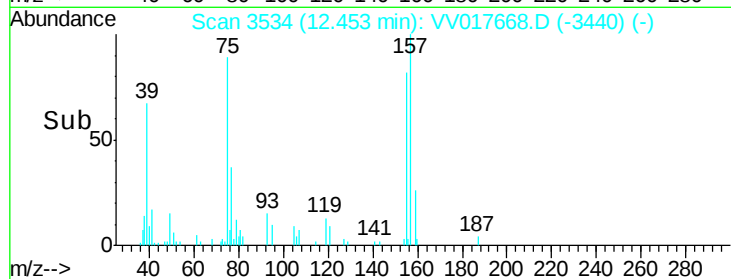
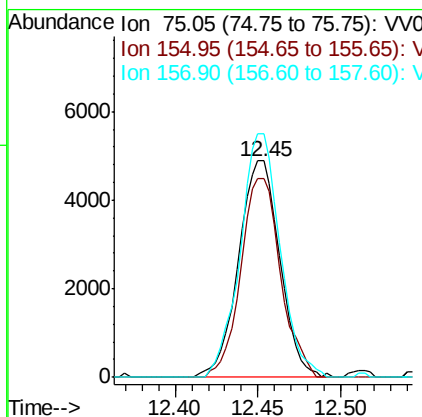
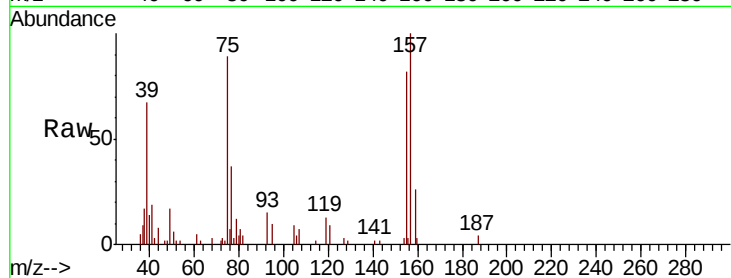




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.693 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

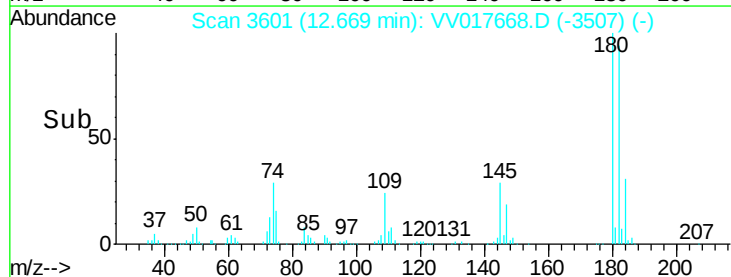
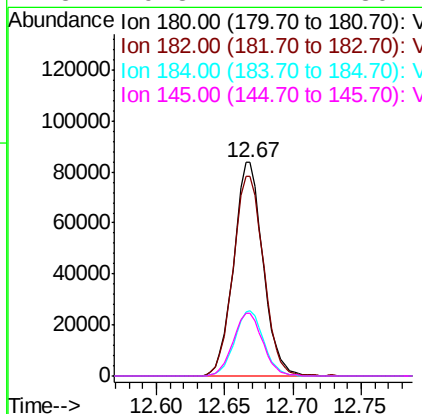
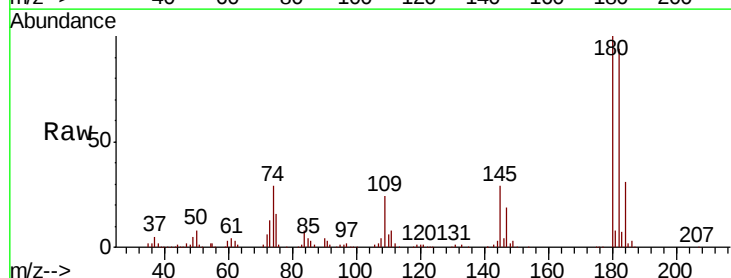
Instrument :
 MSVOA_V
 ClientSampleId :

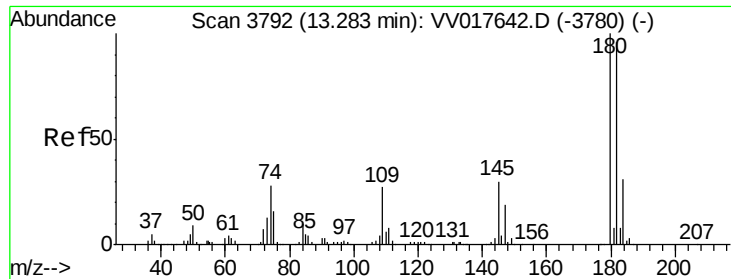
Tot Ion: 75 Resp: 8479
 Ion Ratio Lower Upper
 75 100
 155 92.0 68.7 103.1
 157 112.4 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 4.852 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion: 180 Resp: 125005
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.1 115.7
 184 30.3 25.2 37.8
 145 29.8 24.1 36.1

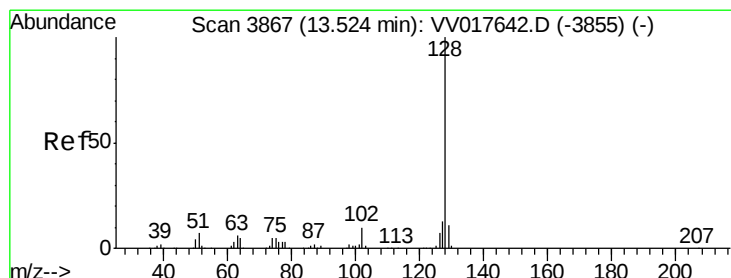
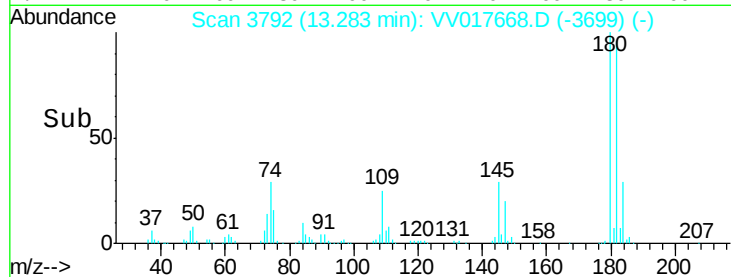
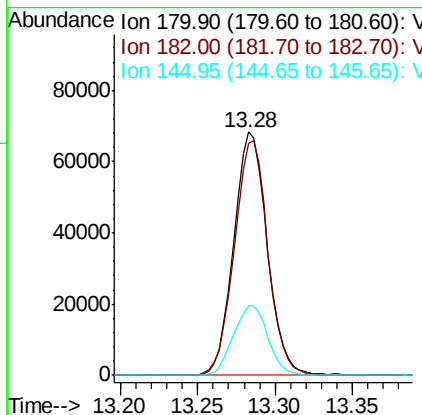
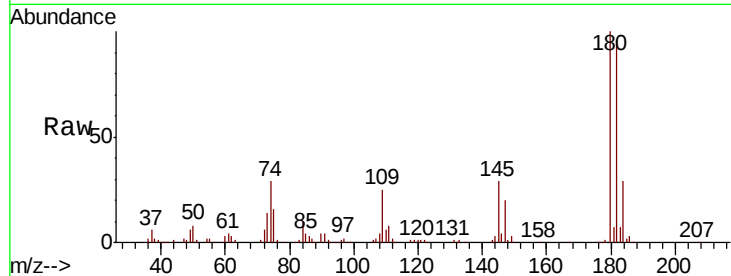




#69
 1,2,4-trichlorobenzene
 Concen: 4.754 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

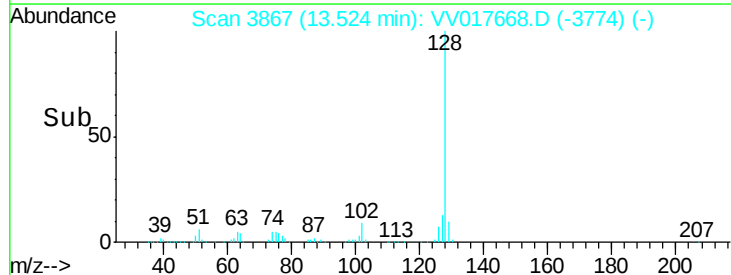
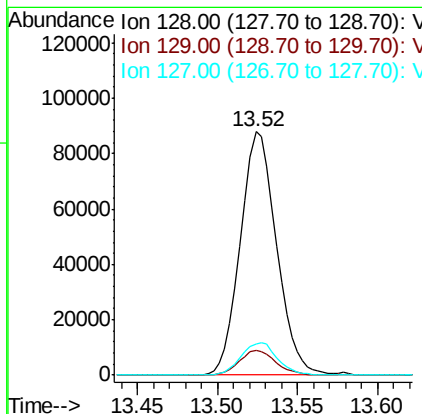
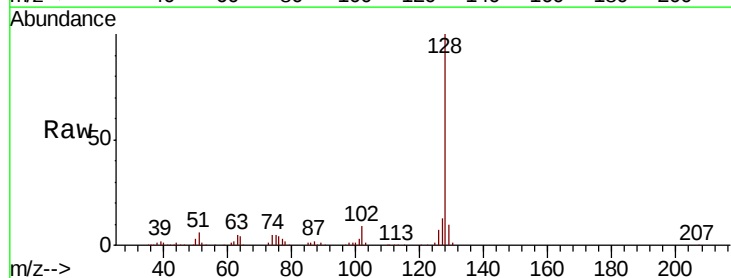
Instrument :
 MSVOA_V
 ClientSampleId :

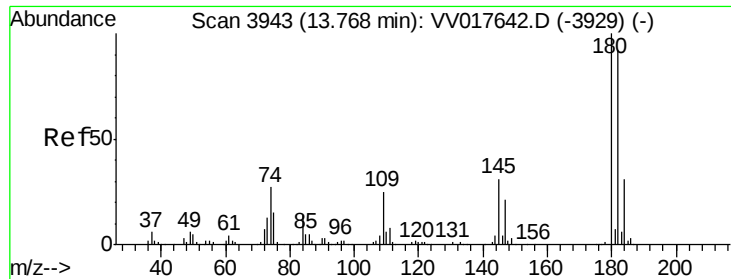
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.4	113.2
145	29.6	24.2	36.2



#70
 Naphthalene
 Concen: 4.509 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.1	13.7
127	13.4	11.0	16.6

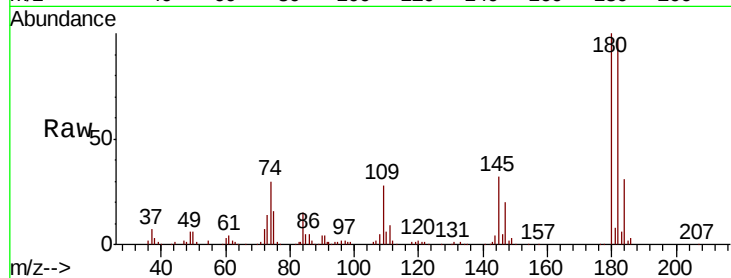




#71
 1,2,3-Trichlorobenzene
 Concen: 4.683 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV017668.D
 Acq: 27 Jul 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	74.2	111.4
145	32.5	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

