

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017336.D
 Acq On : 03 Jul 2020 03:25
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 03 06:22:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	158312	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155339	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	84371	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41912	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.58	69	34336	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.13	63	91312	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	3.94	46	97993	40.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.94%
24) Chloroform-d	4.38	84	99197	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	54244	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.07	84	175270	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.09	67	47916	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.40%
41) Toluene-d8	7.34	98	169918	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
45) trans-1,3-Dichloropropene-	7.64	79	20578	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
48) 2-Hexanone-d5	8.11	63	72019	37.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.24%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35681	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	66817	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	58864	4.658	ug/L	100
3) Chloromethane	1.25	50	45797	4.276	ug/L	100
5) Vinyl chloride	1.32	62	48660	4.684	ug/L	99
6) Bromomethane	1.53	94	22735	3.755	ug/L	97
8) Chloroethane	1.60	64	28706	5.000	ug/L	98
9) Trichlorofluoromethane	1.77	101	96654	5.745	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43370	5.173	ug/L	96
12) 1,1-Dichloroethene	2.14	96	39397	5.185	ug/L	90
13) Acetone	2.23	43	64642	52.807	ug/L	93
14) Carbon disulfide	2.31	76	112326	4.934	ug/L	98
15) Methyl Acetate	2.46	43	13585	4.539	ug/L	98
16) Methylene chloride	2.52	84	42224	5.189	ug/L	98
17) Methyl tert-butyl Ether	2.79	73	102161	5.355	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	41328	5.133	ug/L	97
19) 1,1-Dichloroethane	3.21	63	91056	5.033	ug/L	95
21) 2-Butanone	4.03	43	101720	44.081	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	50898	4.623	ug/L	93

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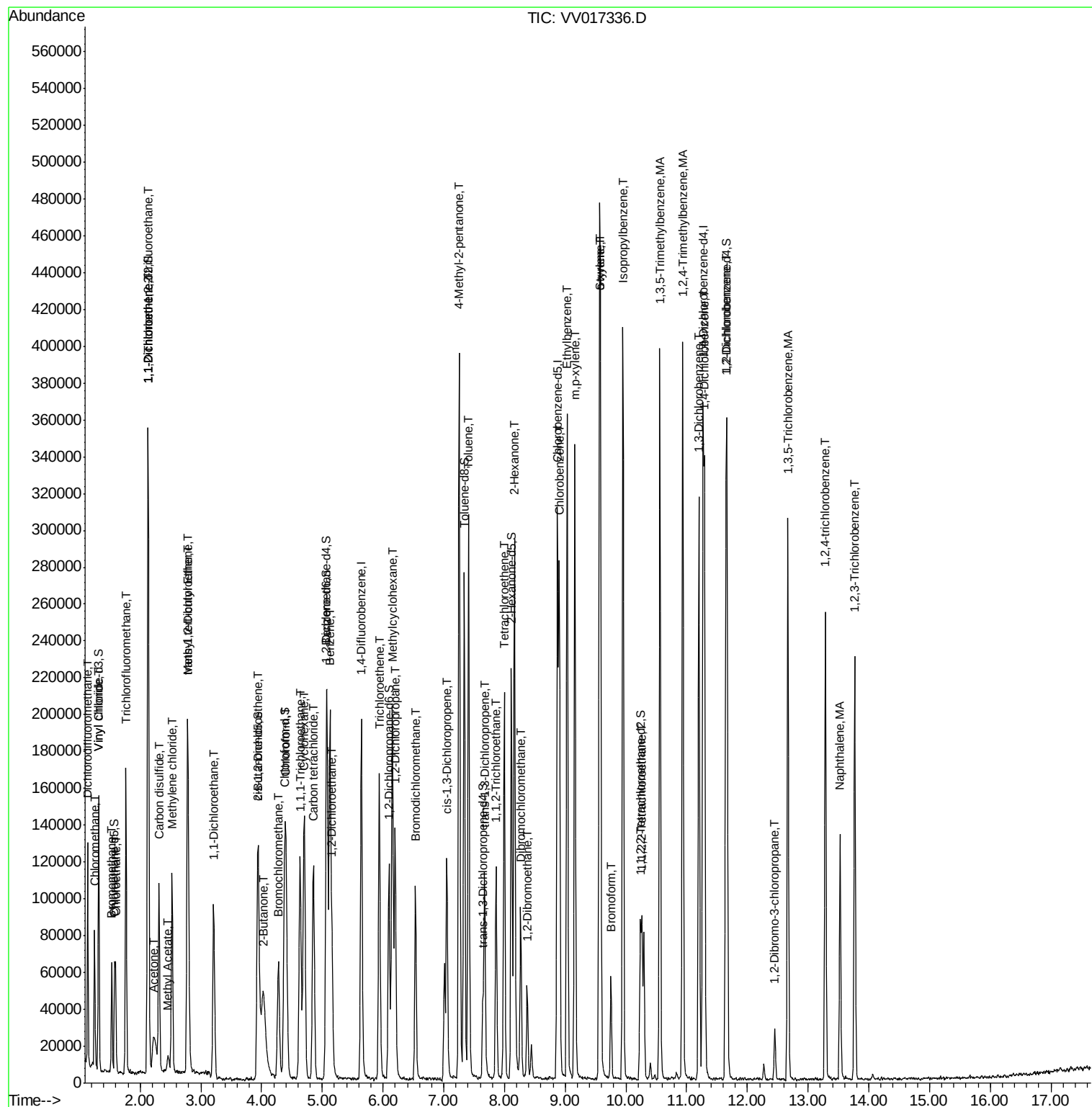
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	23566	5.037	ug/L	90
25) Chloroform	4.40	83	100558	5.089	ug/L	100
27) 1,2-Dichloroethane	5.16	62	63208	5.149	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	96804	5.202	ug/L	98
30) Cyclohexane	4.70	56	71350	4.029	ug/L	94
31) Carbon tetrachloride	4.85	117	88300	5.258	ug/L	99
33) Benzene	5.13	78	189579	4.660	ug/L	100
34) Trichloroethene	5.94	95	55553	4.664	ug/L	97
35) Methylcyclohexane	6.15	83	77789	4.201	ug/L	97
37) 1,2-Dichloropropane	6.20	63	45803	4.548	ug/L	100
38) Bromodichloromethane	6.53	83	67614	4.943	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	67850	4.535	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	253843	43.658	ug/L	99
42) Toluene	7.41	91	211649	4.475	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	204232	4.829	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	210221	4.881	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	59487	4.596	ug/L	96
47) 1,1,2-Trichloroethane	7.86	97	34628	4.848	ug/L	97
49) Tetrachloroethene	7.99	164	44105	4.600	ug/L	93
50) 2-Hexanone	8.16	43	182864	44.193	ug/L	99
51) Dibromochloromethane	8.27	129	44002	5.082	ug/L	95
52) 1,2-Dibromoethane	8.38	107	30596	4.517	ug/L #	99
53) Chlorobenzene	8.90	112	138331	4.692	ug/L	99
54) Ethylbenzene	9.03	91	237054	4.696	ug/L	97
55) m,p-xylene	9.16	106	91487	4.620	ug/L	95
56) o-xylene	9.56	106	86705	4.692	ug/L	98
57) Styrene	9.58	104	150800	4.925	ug/L	98
58) Isopropylbenzene	9.95	105	243111	4.781	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	35027	4.741	ug/L	92
62) Bromoform	9.75	173	24431	5.412	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	120209	4.733	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	120216	4.657	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	109017	4.729	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	6703	5.257	ug/L	95
68) 1,3,5-Trichlorobenzene	12.67	180	92535	4.534	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	73859	4.397	ug/L	100
70) Naphthalene	13.53	128	104105	4.388	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	65668	4.793	ug/L	99

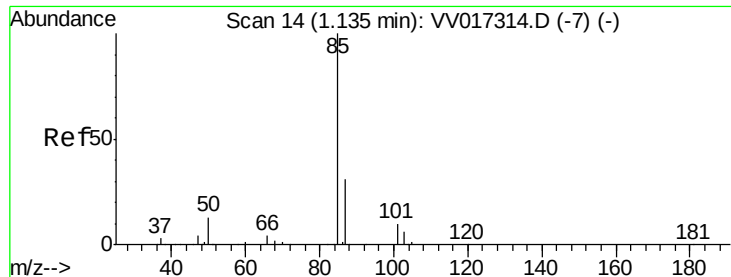
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.658 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

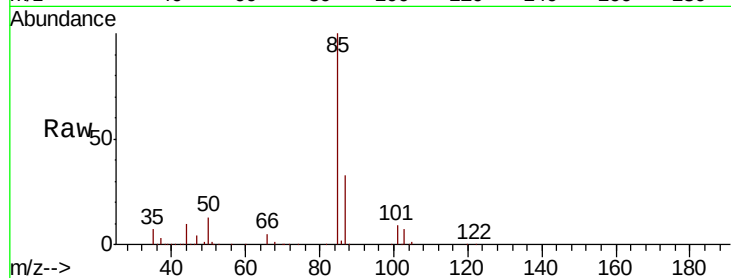
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 58864

Ion Ratio Lower Upper

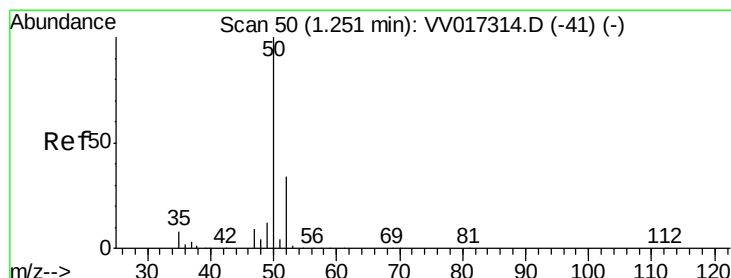
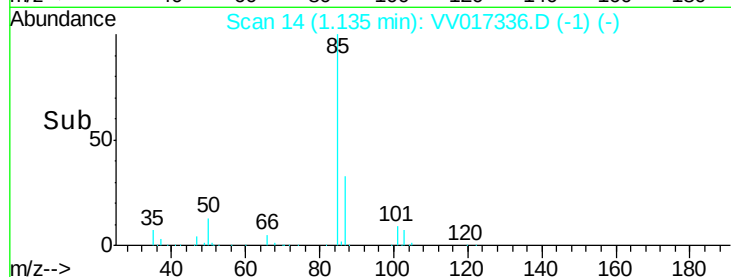
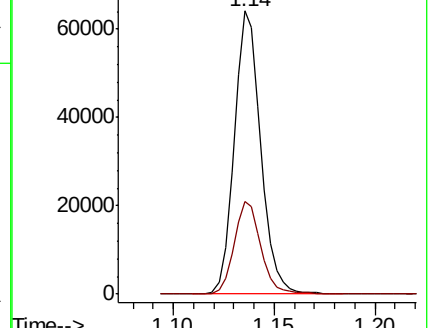
85 100

87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017336.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017336.D (-7) (-)



#3

Chloromethane

Concen: 4.276 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017336.D

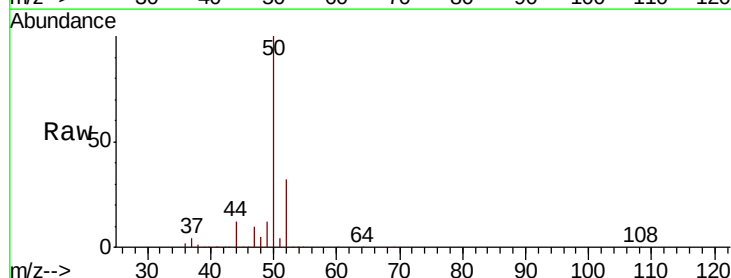
Acq: 03 Jul 2020 03:25

Tgt Ion: 50 Resp: 45797

Ion Ratio Lower Upper

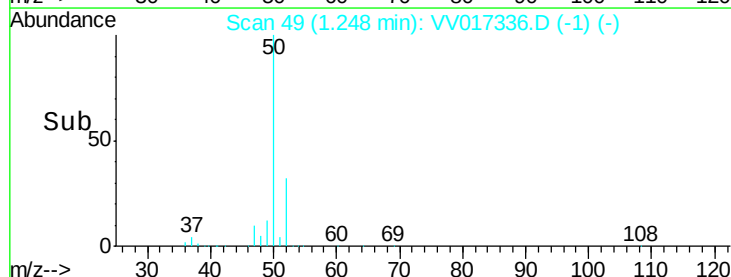
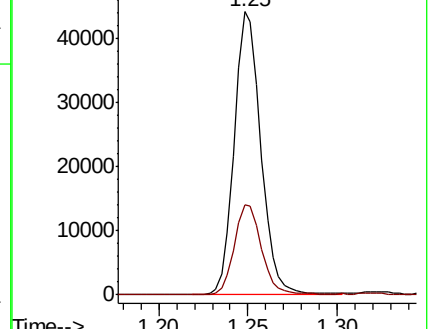
50 100

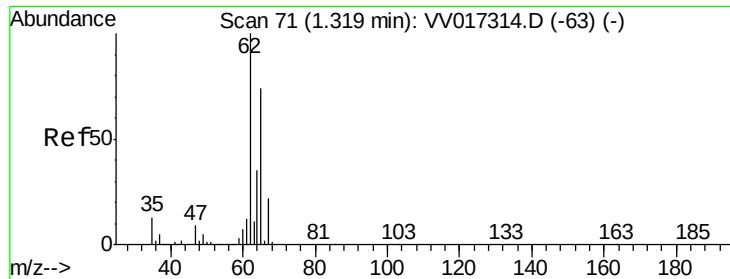
52 31.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017336.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV017336.D (-41) (-)





#5

Vinyl chloride

Concen: 4.684 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Instrument :

MSVOA_V

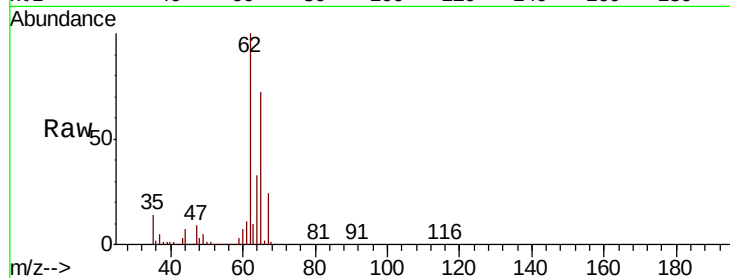
ClientSampled :

Tot Ion: 62 Resp: 48660

Ion Ratio Lower Upper

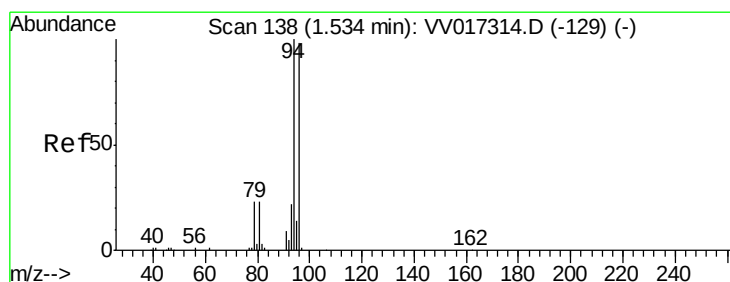
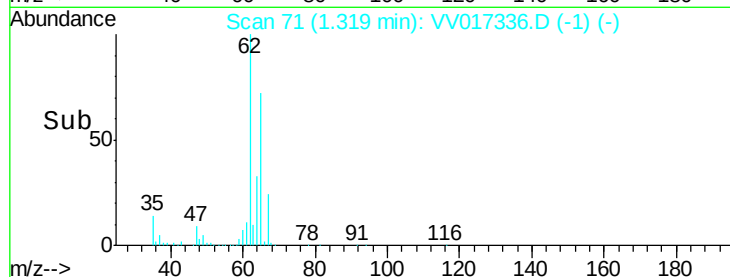
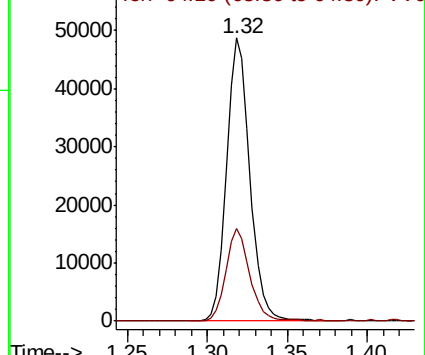
62 100

64 32.7 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.755 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017336.D

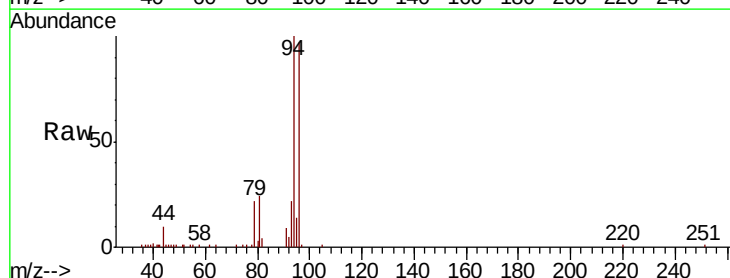
Acq: 03 Jul 2020 03:25

Tgt Ion: 94 Resp: 22735

Ion Ratio Lower Upper

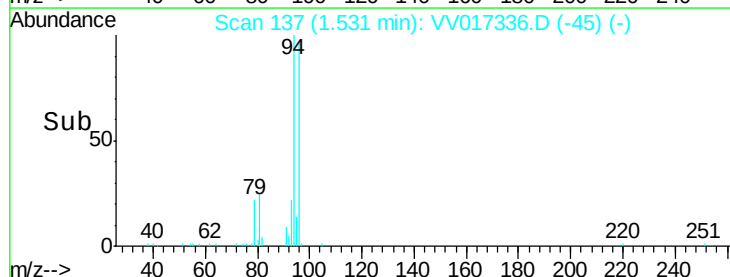
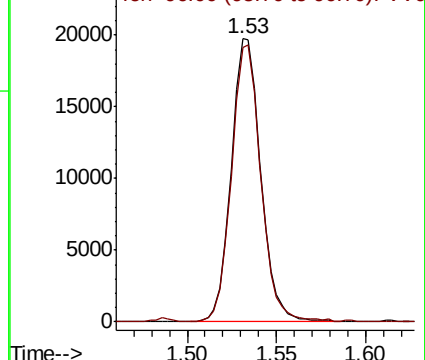
94 100

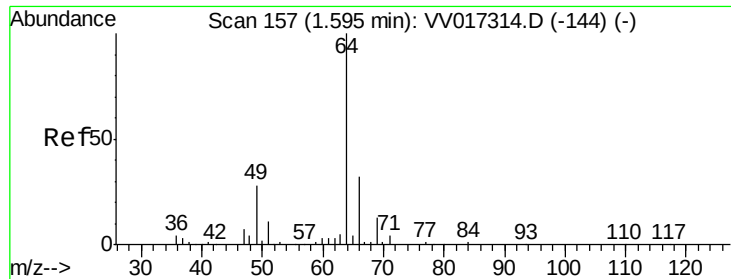
96 97.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.000 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Instrument :

MSVOA_V

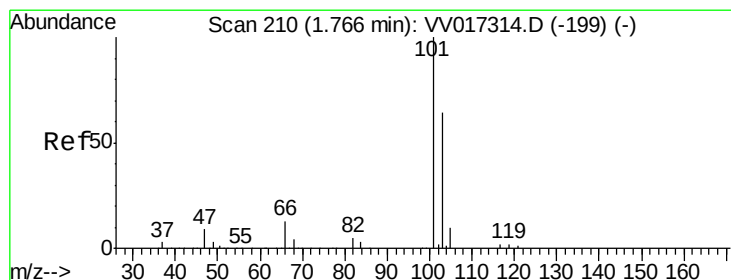
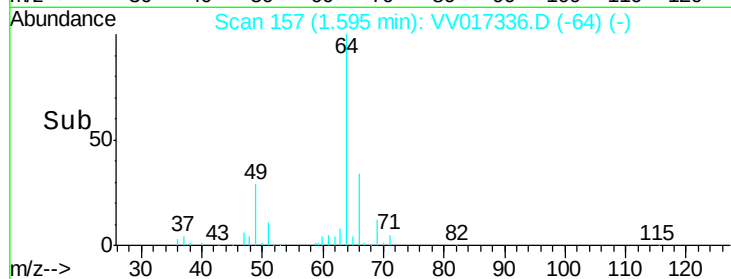
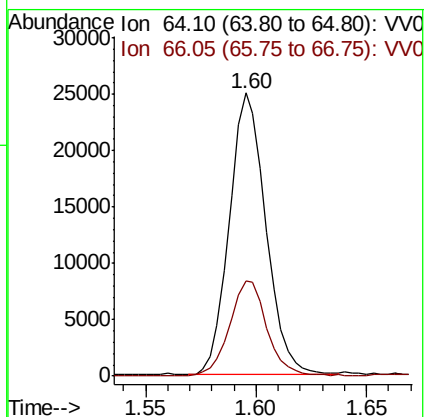
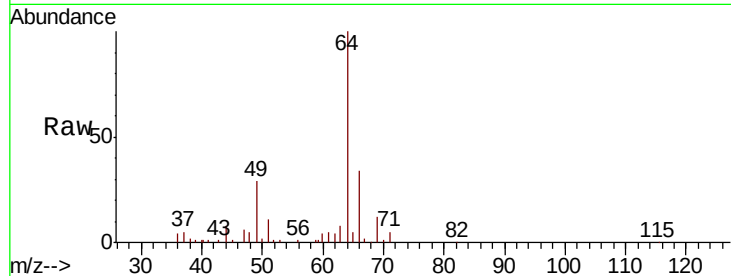
ClientSampled :

Tot Ion: 64 Resp: 28706

Ion Ratio Lower Upper

64 100

66 33.7 22.8 42.4



#9

Trichlorofluoromethane

Concen: 5.745 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV017336.D

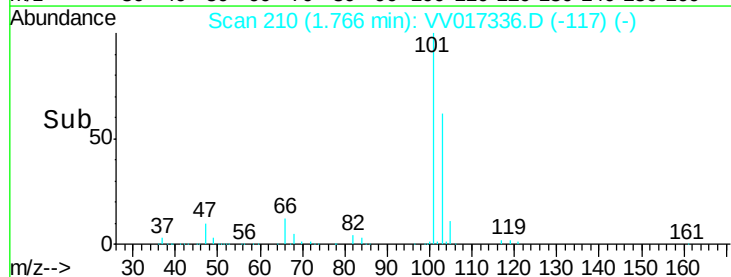
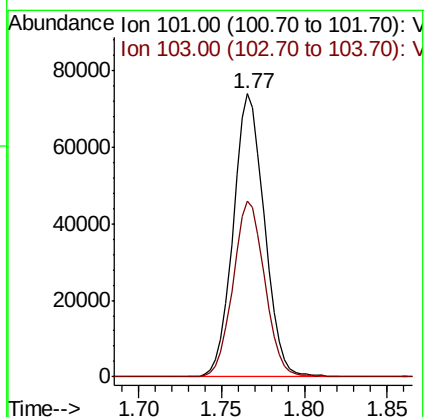
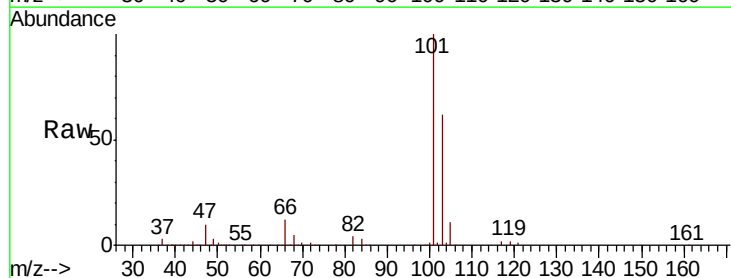
Acq: 03 Jul 2020 03:25

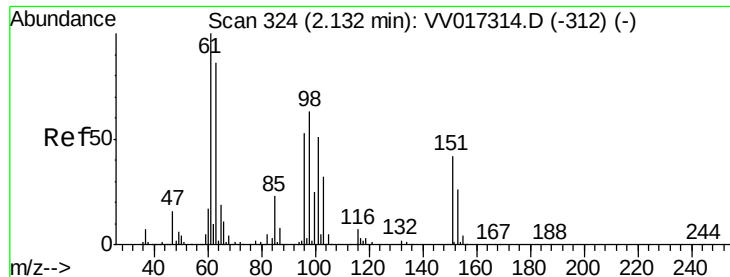
Tgt Ion: 101 Resp: 96654

Ion Ratio Lower Upper

101 100

103 63.2 50.9 76.3





#10

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

Concen: 5.173 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

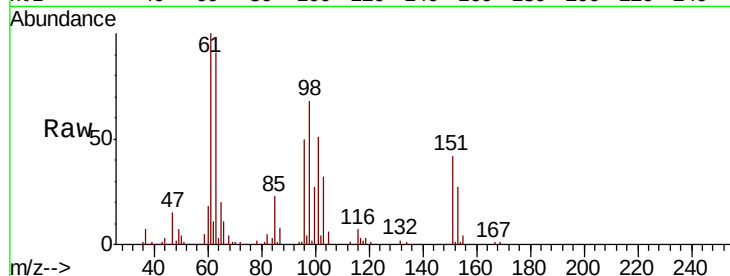
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:101 Resp: 43370

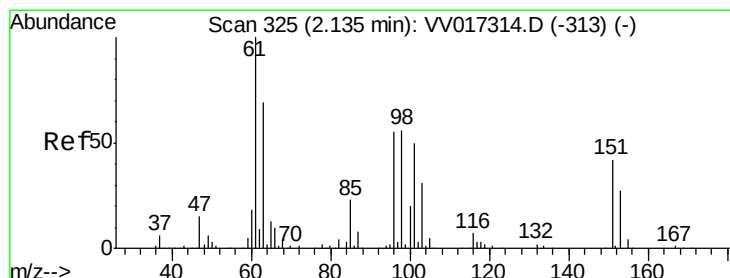
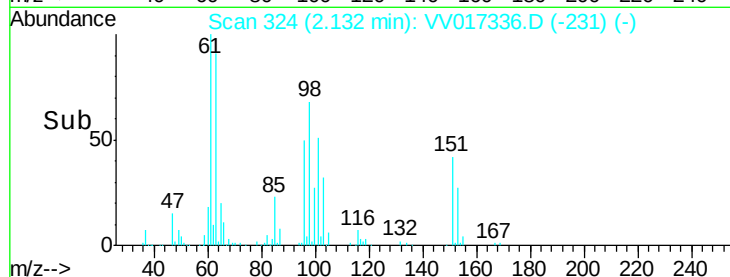
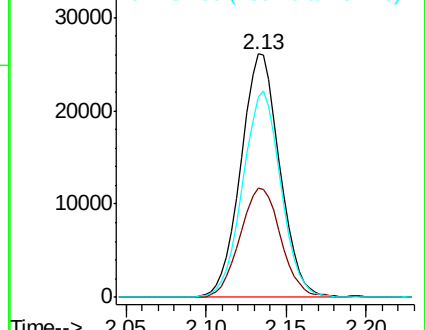
Ion	Ratio	Lower	Upper
101	100		
85	47.1	35.4	53.2
151	83.1	63.9	95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.185 ug/L

RT: 2.14 min Scan# 325

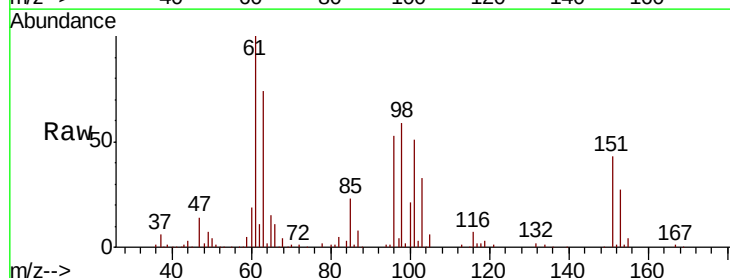
Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Tgt Ion: 96 Resp: 39397

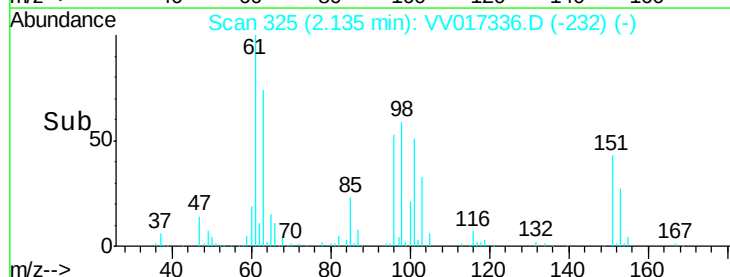
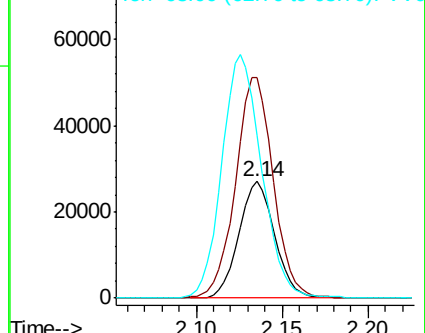
Ion	Ratio	Lower	Upper
96	100		
61	188.8	125.0	232.2
63	139.9	109.8	203.8

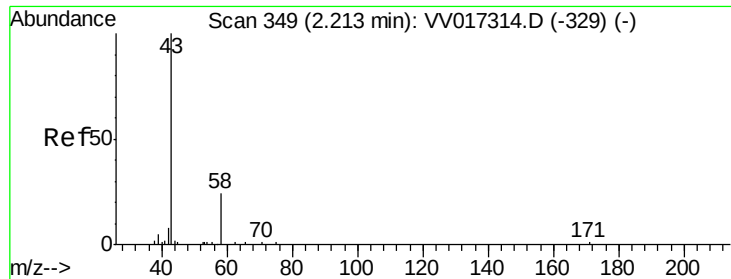


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.807 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.02 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Instrument :

MSVOA_V

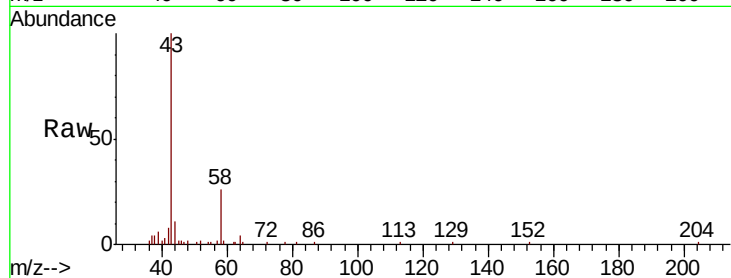
ClientSampleId :

Tot Ion: 43 Resp: 64642

Ion Ratio Lower Upper

43 100

58 25.4 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017336.D (-256) (-)

Ion 58.05 (57.75 to 58.75): VV017336.D (-256) (-)

2.23

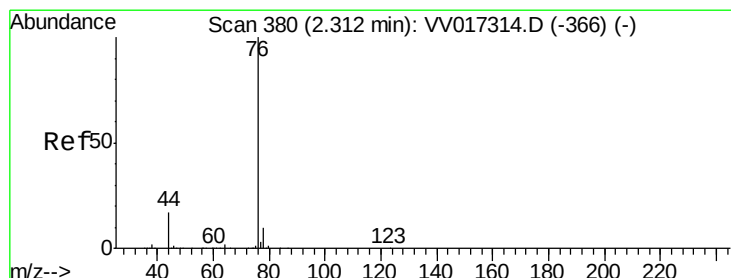
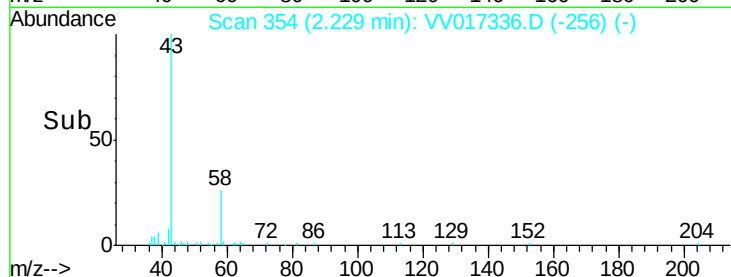
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 4.934 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV017336.D

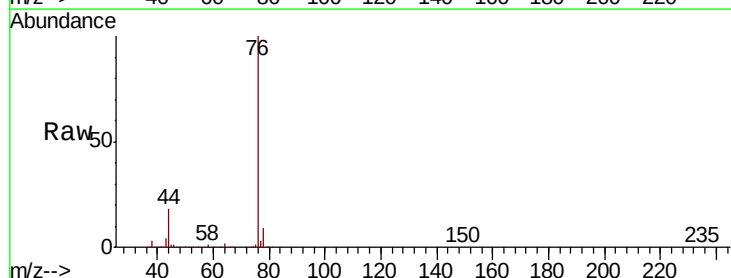
Acq: 03 Jul 2020 03:25

Tgt Ion: 76 Resp: 112326

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV017336.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV017336.D (-287) (-)

2.31

80000

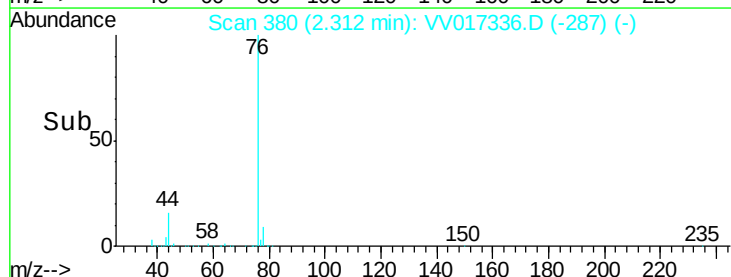
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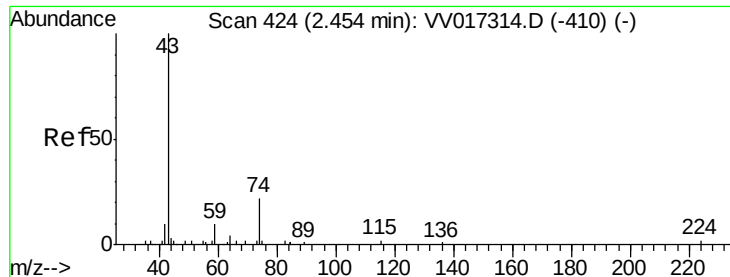
40000

20000

0

Time-->

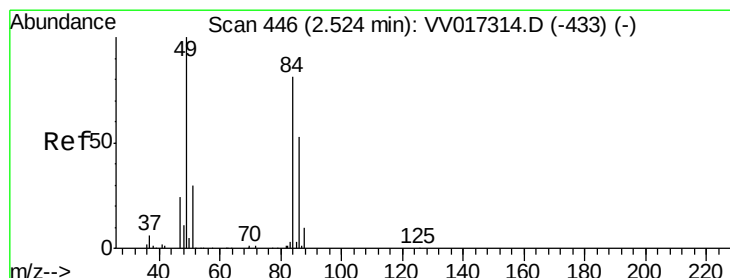
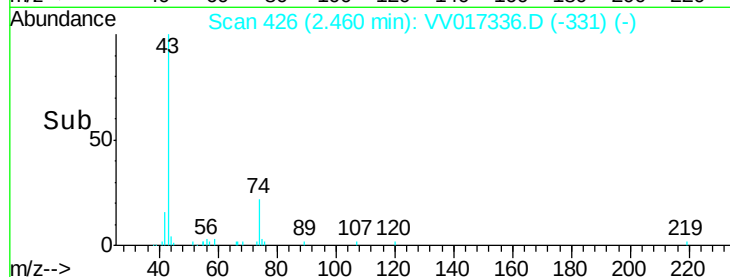
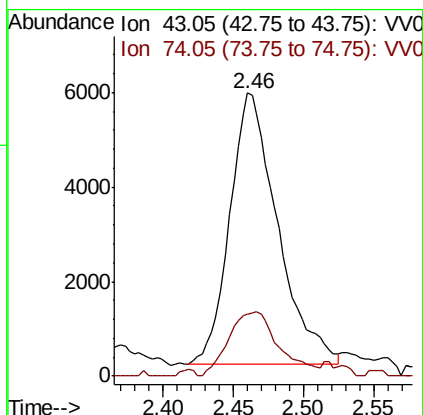
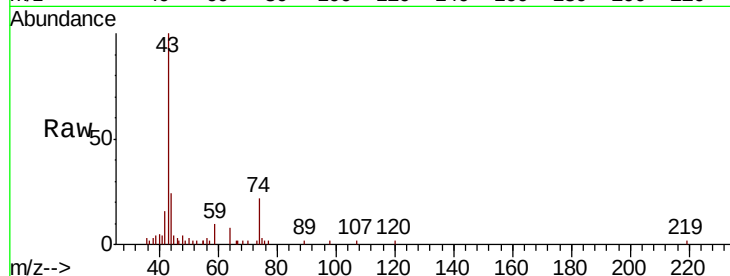




#15
Methvl Acetate
Concen: 4.539 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

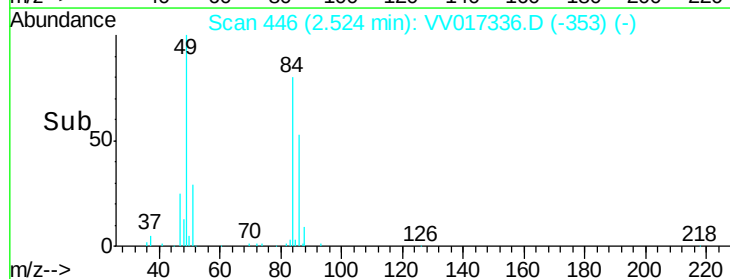
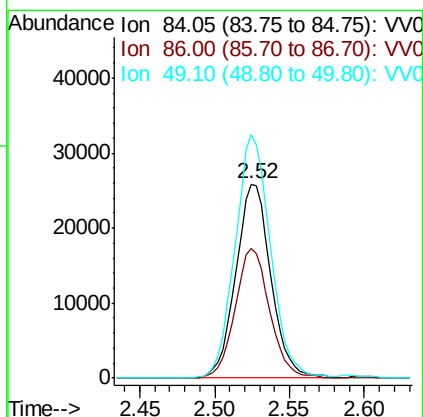
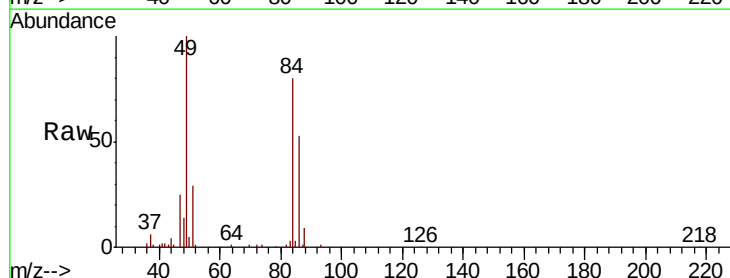
Instrument :
MSVOA_V
ClientSampleId :

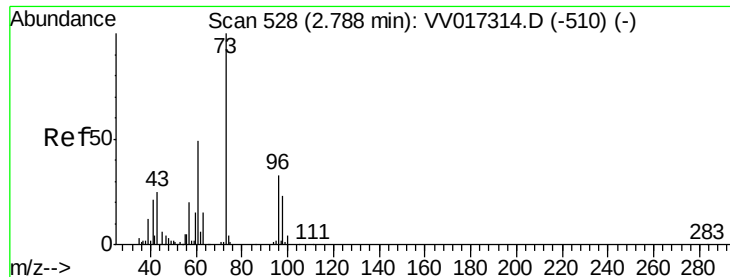
Tot Ion: 43 Resp: 13585
Ion Ratio Lower Upper
43 100
74 25.1 19.1 28.7



#16
Methylene chloride
Concen: 5.189 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 84 Resp: 42224
Ion Ratio Lower Upper
84 100
86 66.6 45.8 85.0
49 125.3 89.6 166.4

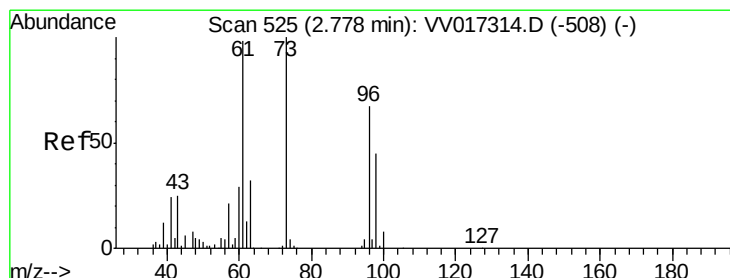
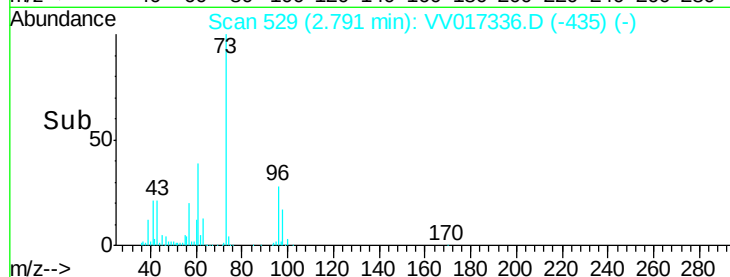
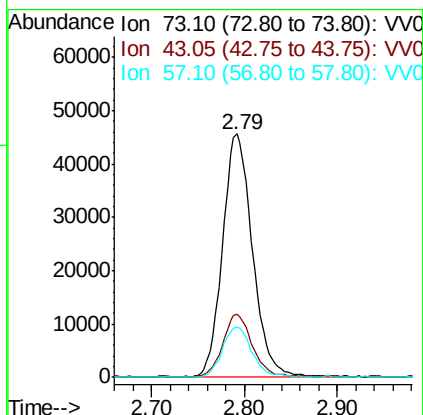
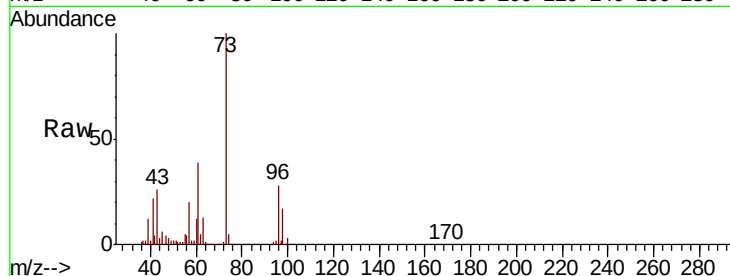




#17
Methyl tert-butyl Ether
Concen: 5.355 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

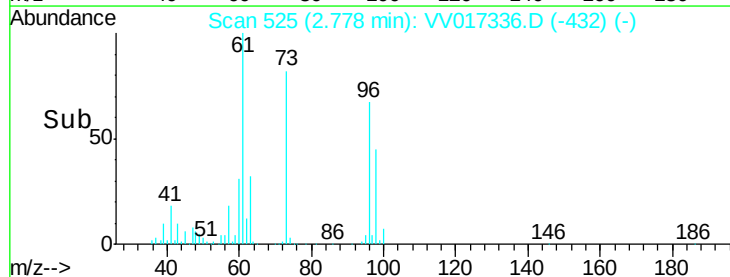
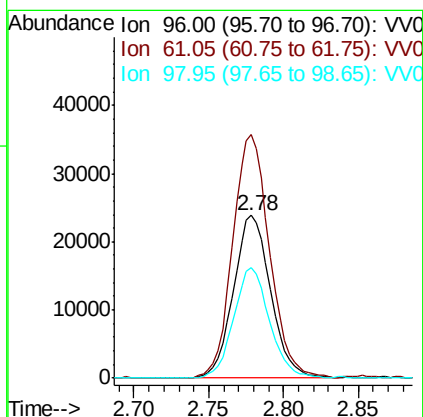
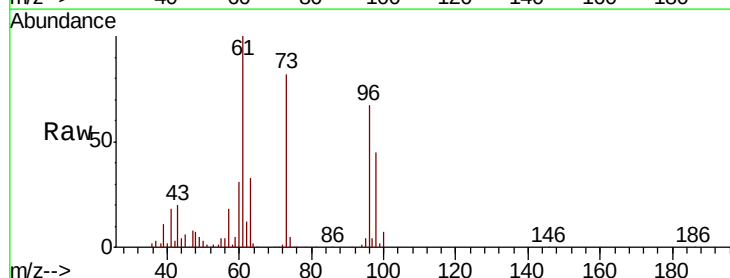
Instrument :
MSVOA_V
ClientSampleId :

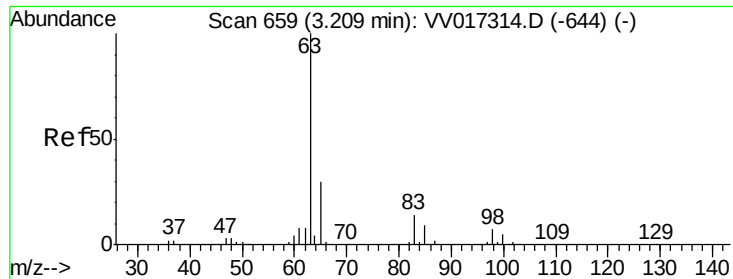
Tot Ion: 73 Resp: 102161
Ion Ratio Lower Upper
73 100
43 24.5 18.6 28.0
57 20.5 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.133 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 96 Resp: 41328
Ion Ratio Lower Upper
96 100
61 149.5 102.3 189.9
98 67.6 44.7 82.9

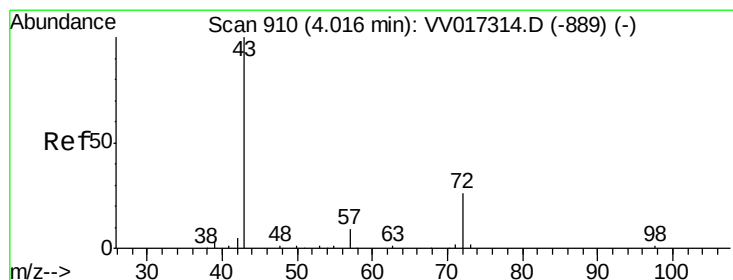
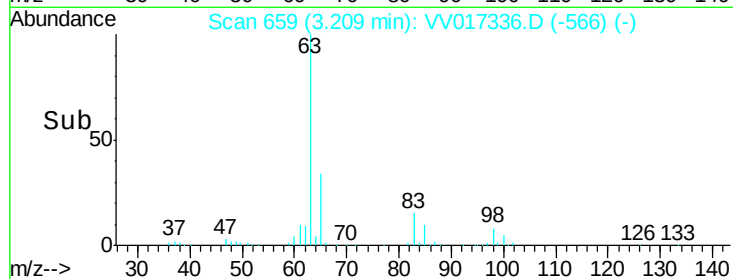
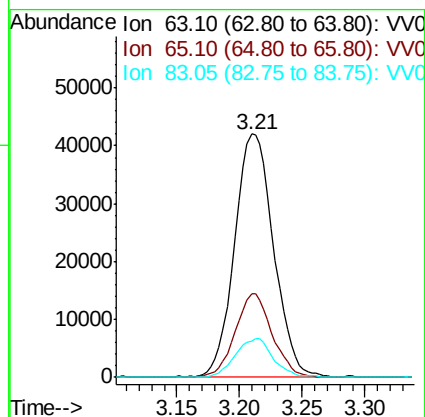
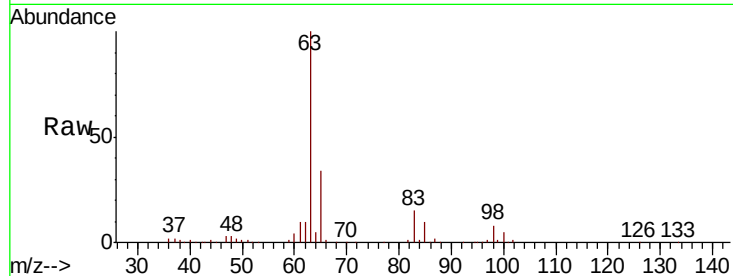




#19
 1,1-Dichloroethane
 Concen: 5.033 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

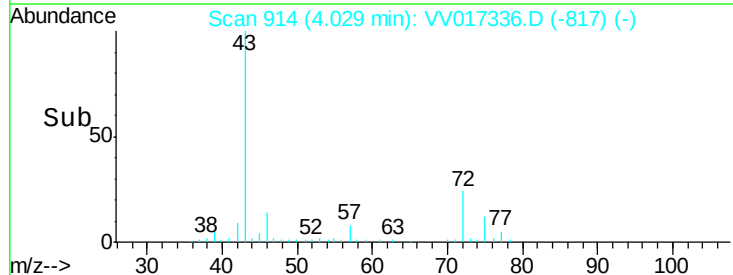
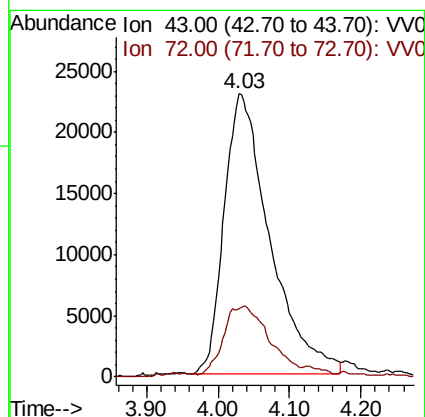
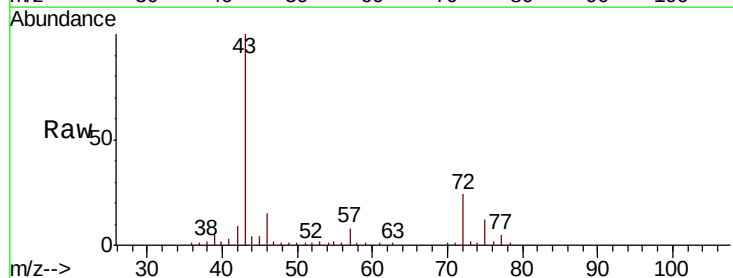
Instrument :
 MSVOA_V
 ClientSampled :

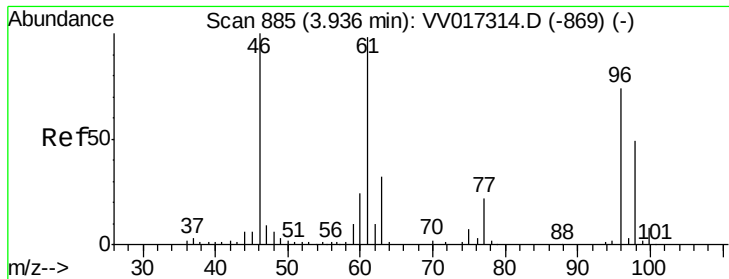
Tot Ion: 63 Resp: 91056
 Ion Ratio Lower Upper
 63 100
 65 34.3 21.8 40.4
 83 15.1 9.7 17.9



#21
 2-Butanone
 Concen: 44.081 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion: 43 Resp: 101720
 Ion Ratio Lower Upper
 43 100
 72 24.1 12.4 37.4



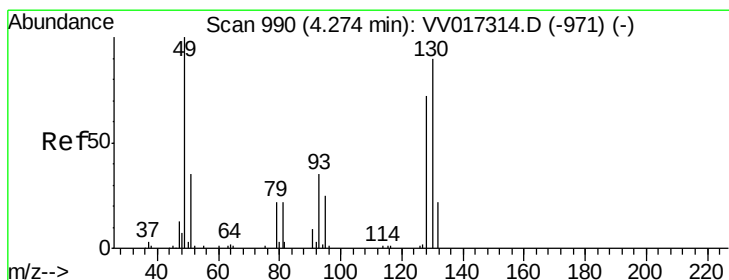
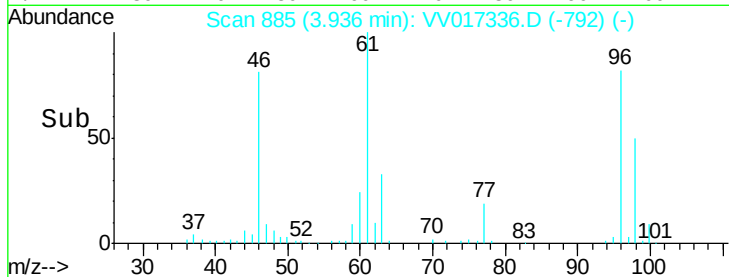
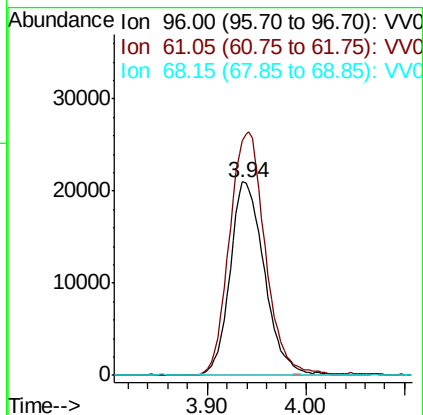
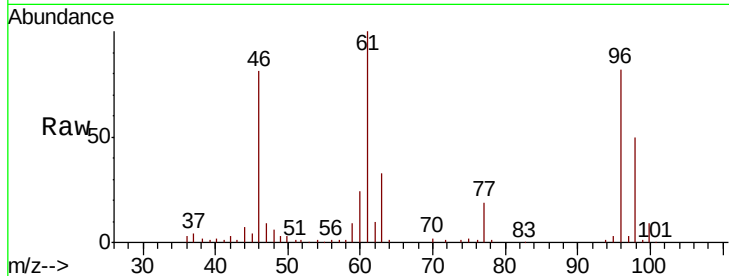


#22

cis-1,2-Dichloroethene
Concen: 4.623 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Instrument :
MSVOA_V
ClientSampleId :

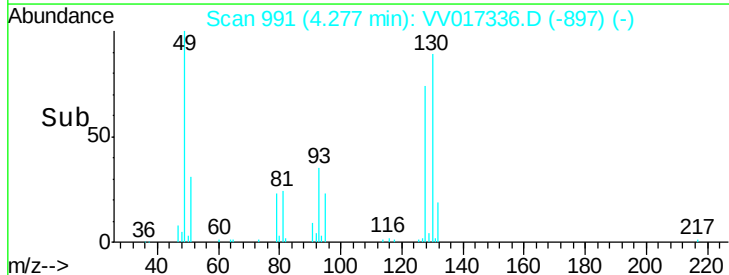
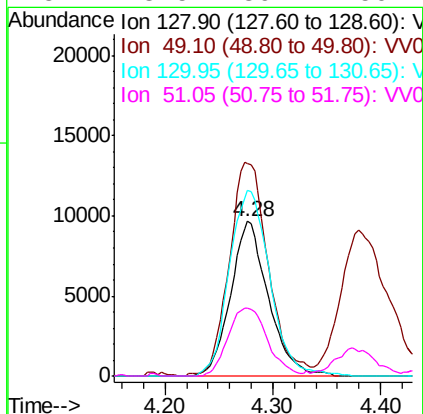
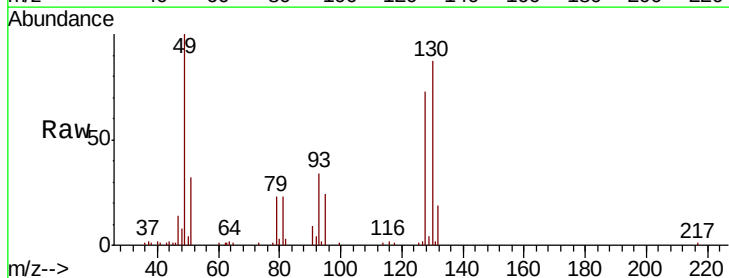
Tot Ion: 96 Resp: 50898
Ion Ratio Lower Upper
96 100
61 121.6 91.0 169.0
68 0.0 0.0 0.0

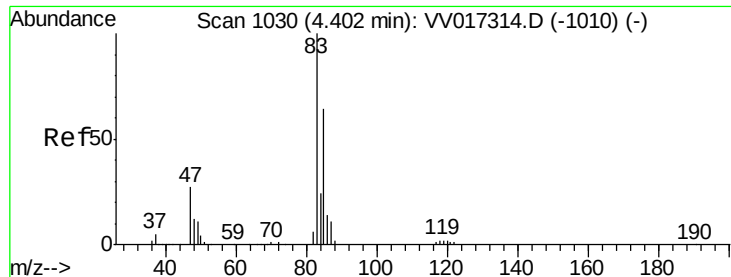


#23

Bromochloromethane
Concen: 5.037 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 128 Resp: 23566
Ion Ratio Lower Upper
128 100
49 137.7 110.8 205.8
130 119.9 86.0 159.8
51 43.5 39.4 59.2

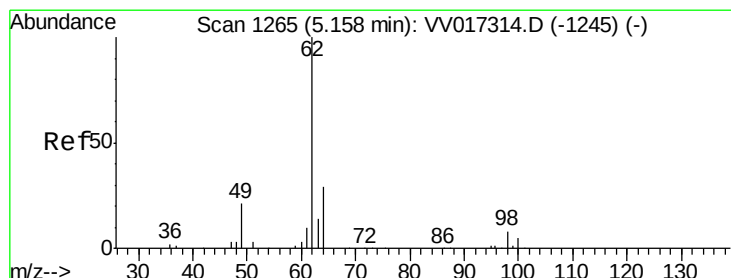
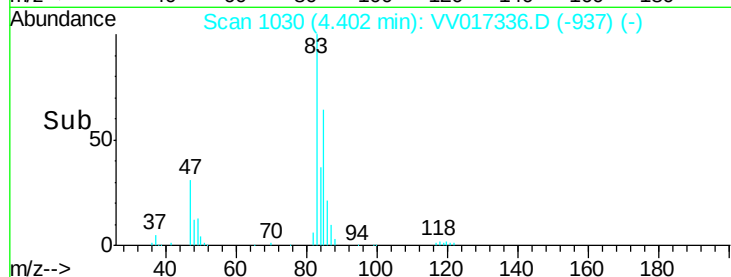
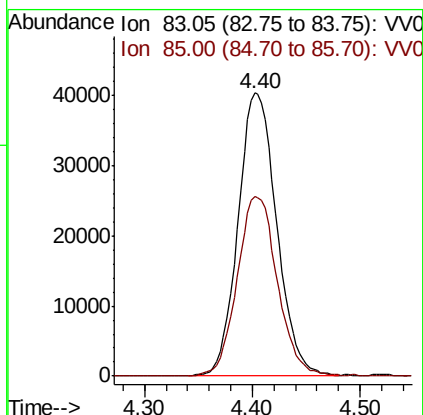
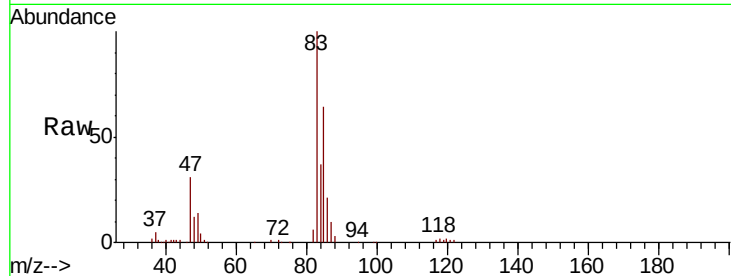




#25
Chloroform
Concen: 5.089 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

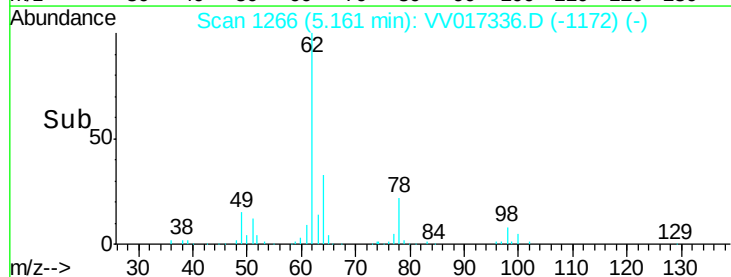
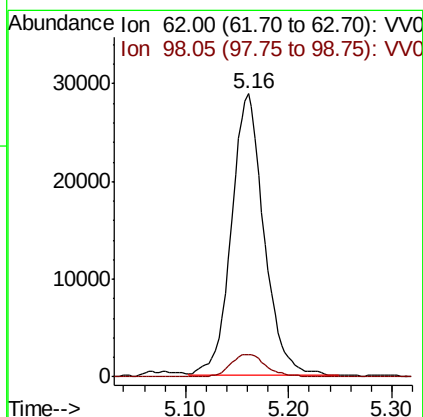
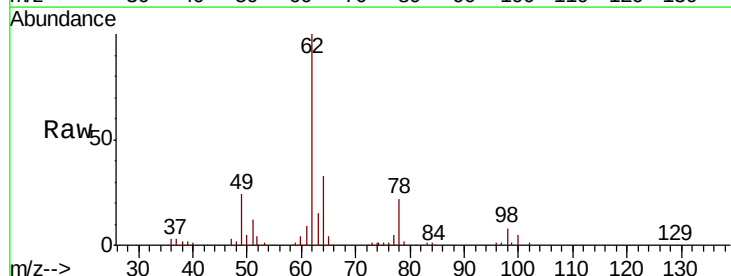
Instrument :
MSVOA_V
ClientSampled :

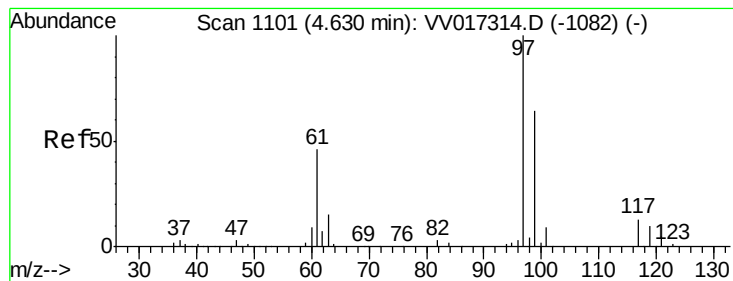
Tot Ion: 83 Resp: 100558
Ion Ratio Lower Upper
83 100
85 63.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.149 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 62 Resp: 63208
Ion Ratio Lower Upper
62 100
98 7.9 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.202 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Instrument :
MSVOA_V
ClientSampled :

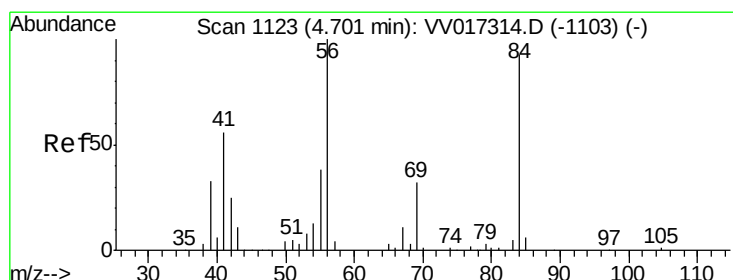
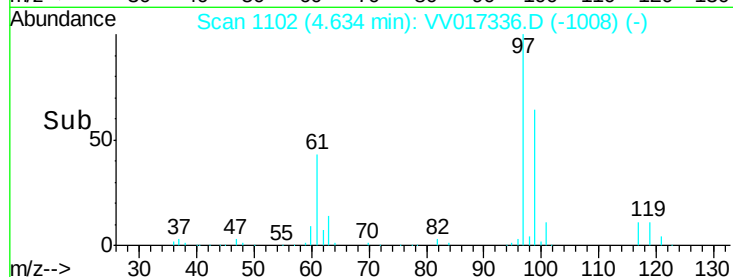
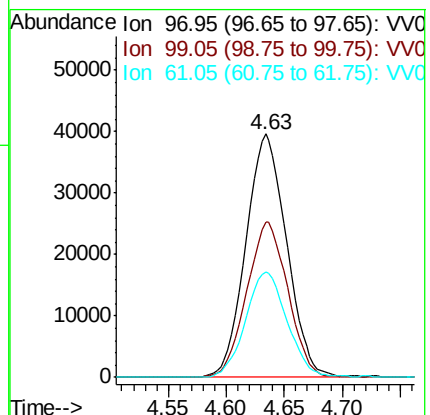
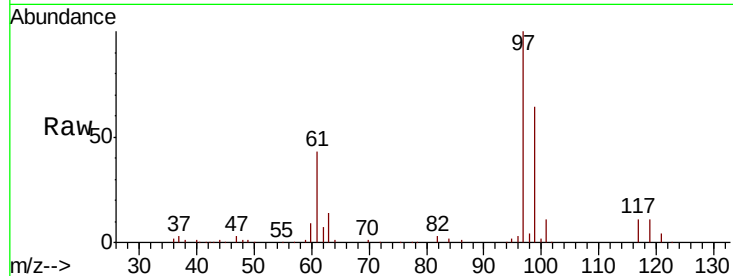
Tot Ion: 97 Resp: 96804

Ion Ratio Lower Upper

97 100

99 64.3 50.3 75.5

61 44.3 36.0 54.0



#30

Cyclohexane

Concen: 4.029 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

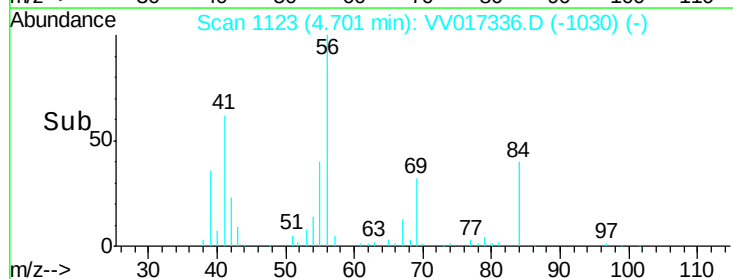
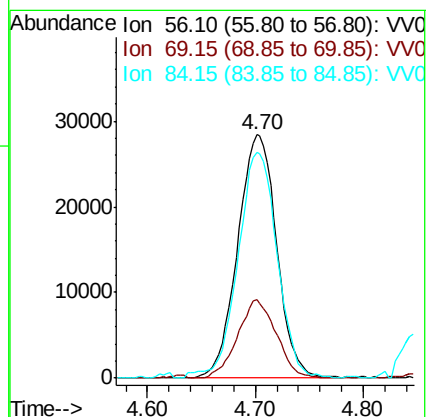
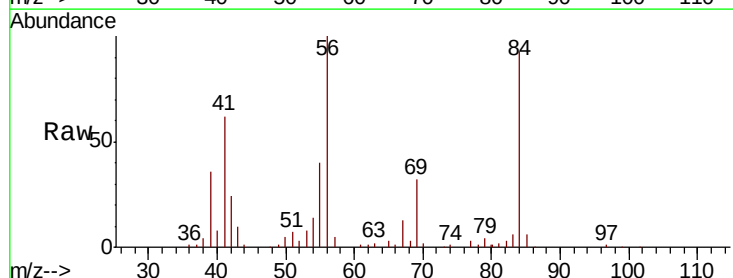
Tgt Ion: 56 Resp: 71350

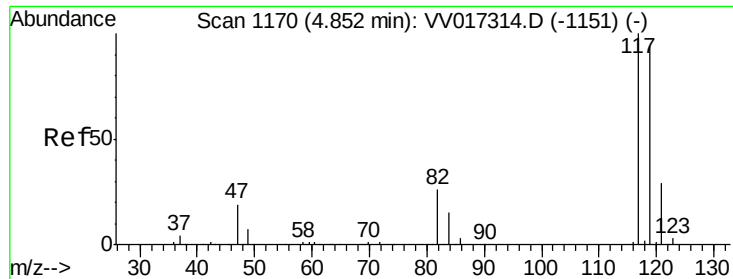
Ion Ratio Lower Upper

56 100

69 32.0 24.4 36.6

84 93.6 69.9 104.9

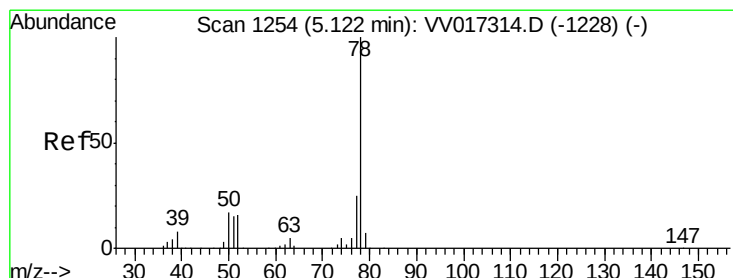
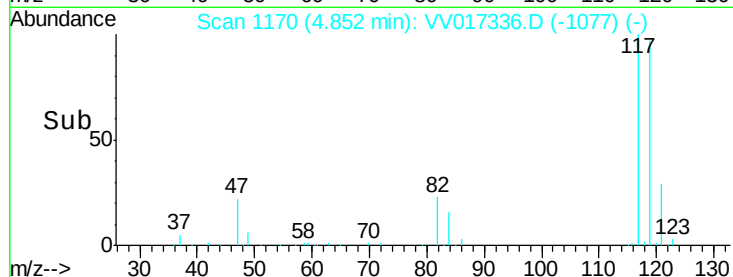
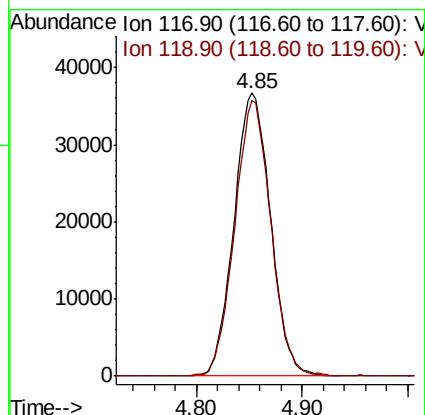
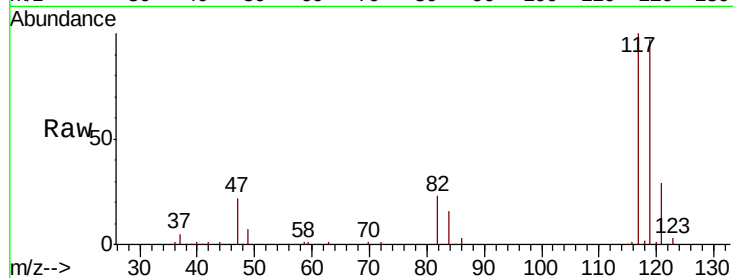




#31
Carbon tetrachloride
Concen: 5.258 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

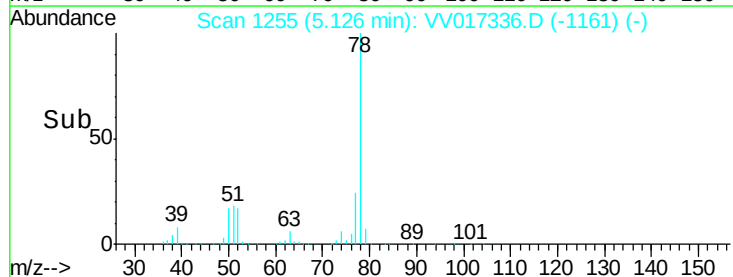
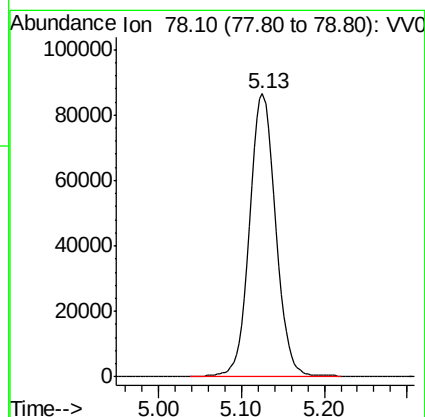
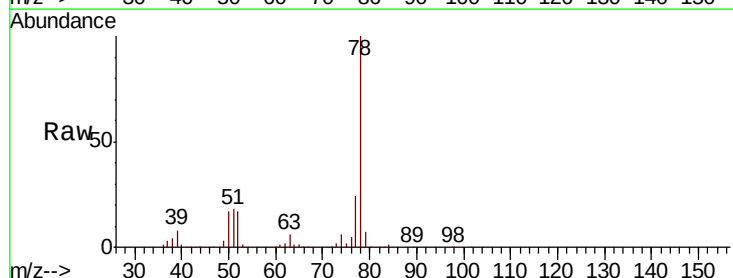
Instrument :
MSVOA_V
ClientSampled :

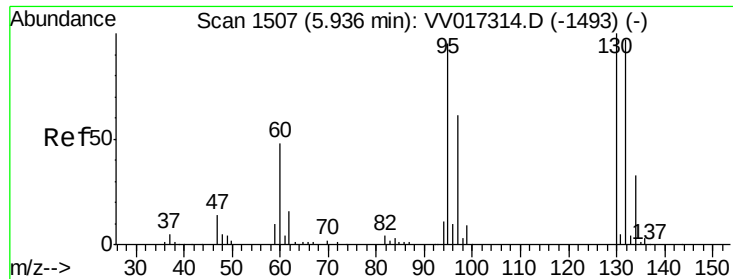
Tot Ion:117 Resp: 88300
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8



#33
Benzene
Concen: 4.660 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 78 Resp: 189579

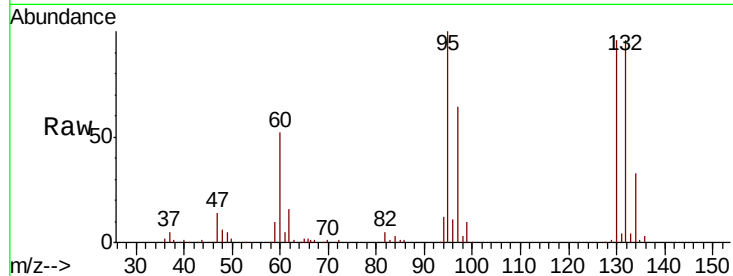




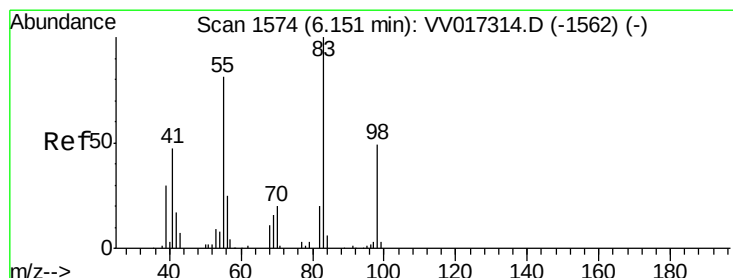
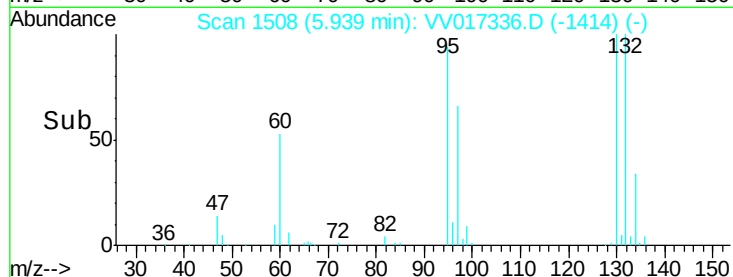
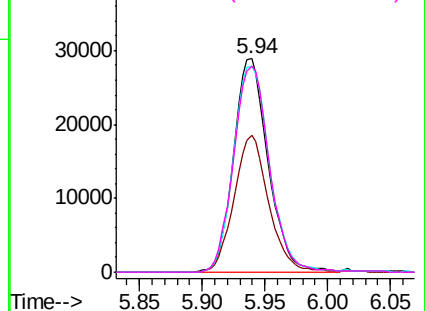
#34
 Trichloroethene
 Concen: 4.664 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 55553
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.3 84.1
 132 96.3 68.8 127.8
 130 96.3 70.2 130.4

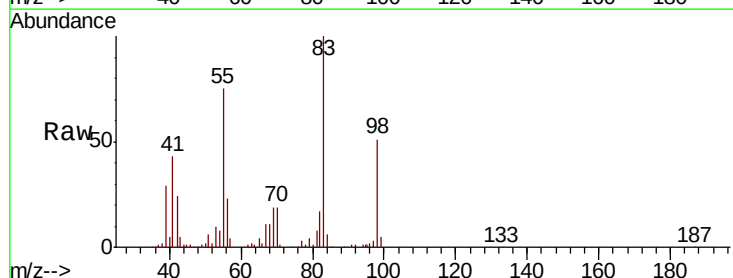


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

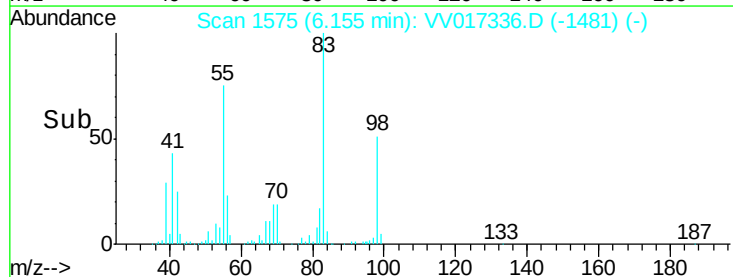
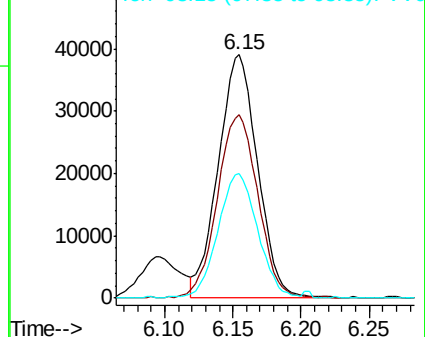


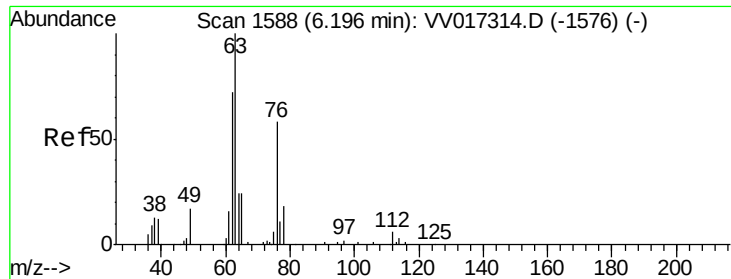
#35
 Methylcyclohexane
 Concen: 4.201 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion: 83 Resp: 77789
 Ion Ratio Lower Upper
 83 100
 55 78.5 63.6 95.4
 98 52.0 38.8 58.2



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

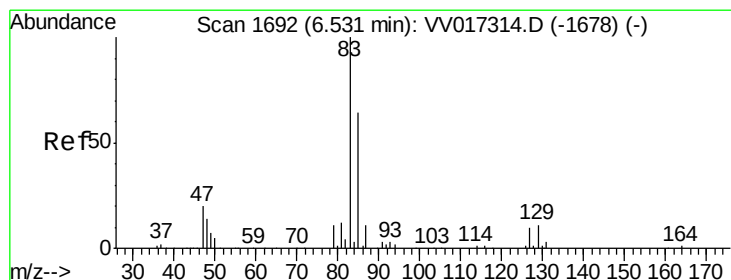
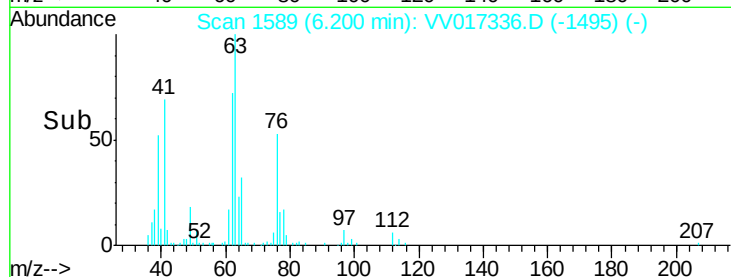
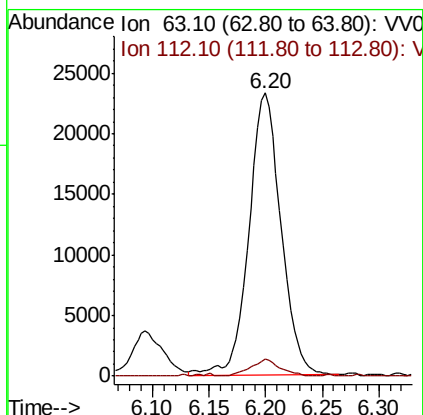
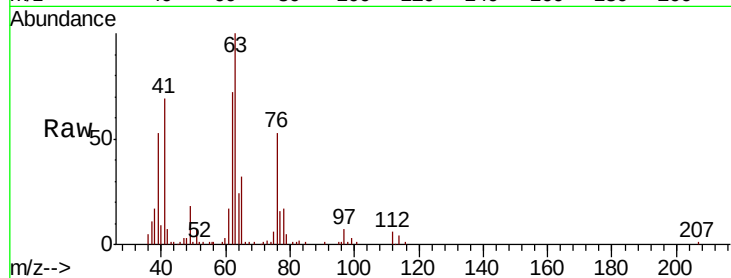




#37
 1,2-Dichloropropane
 Concen: 4.548 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

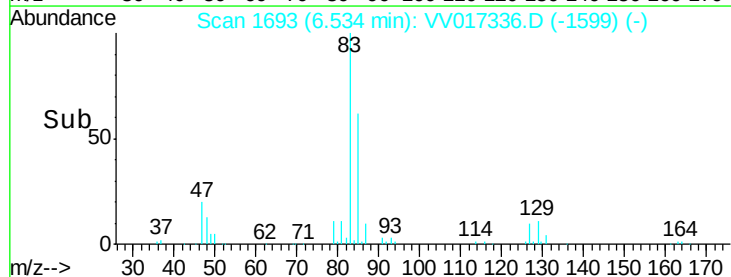
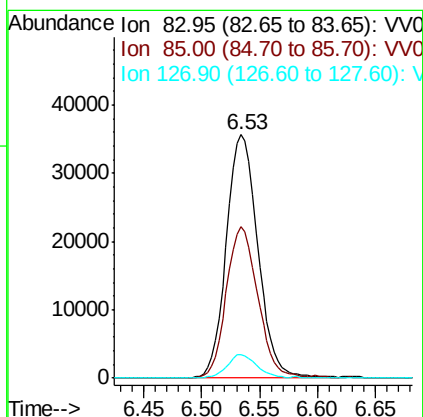
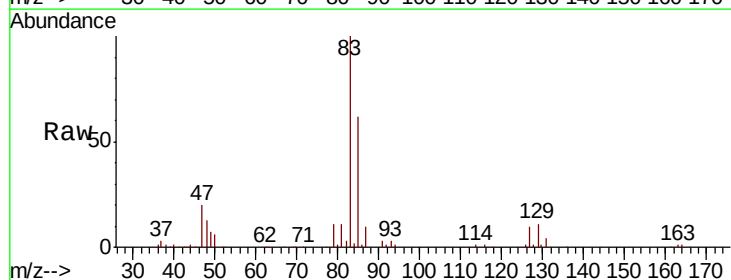
Instrument :
 MSVOA_V
 ClientSampled :

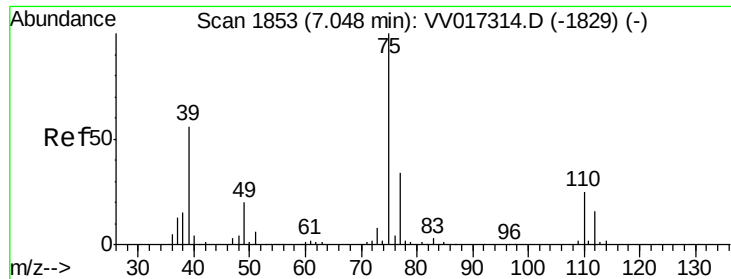
Tot Ion: 63 Resp: 45803
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.943 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion: 83 Resp: 67614
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.4 80.6
 127 9.7 7.9 11.9

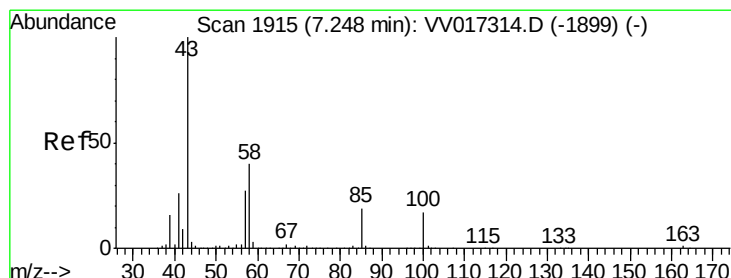
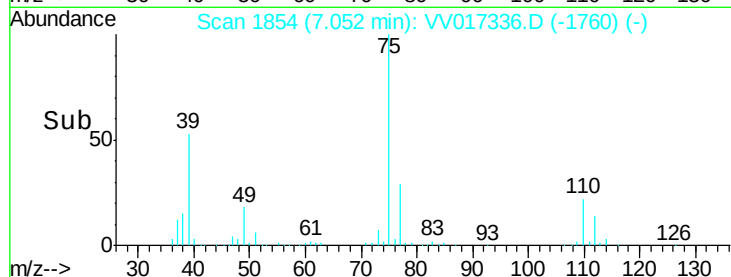
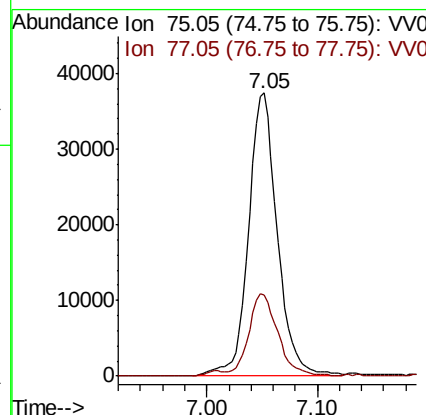
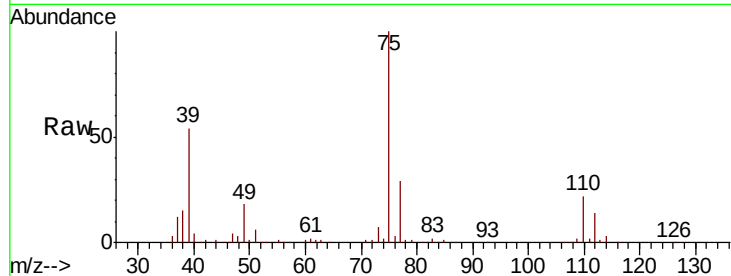




#39
 cis-1,3-Dichloropropene
 Concen: 4.535 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

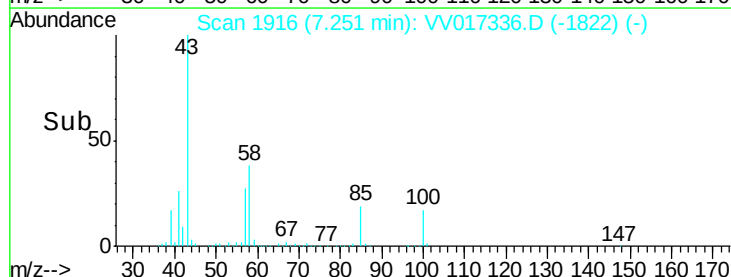
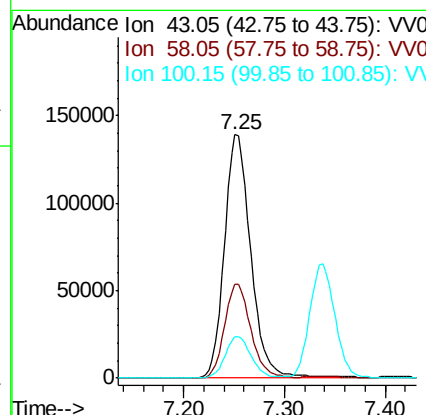
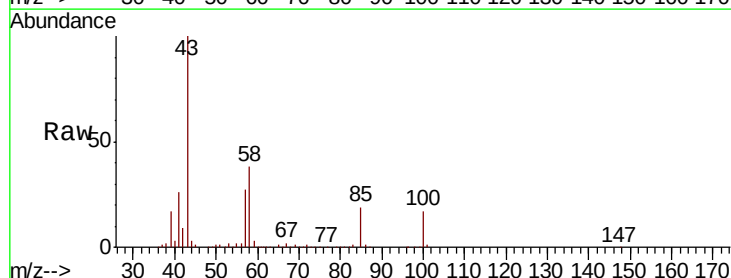
Instrument :
 MSVOA_V
 ClientSampleId :

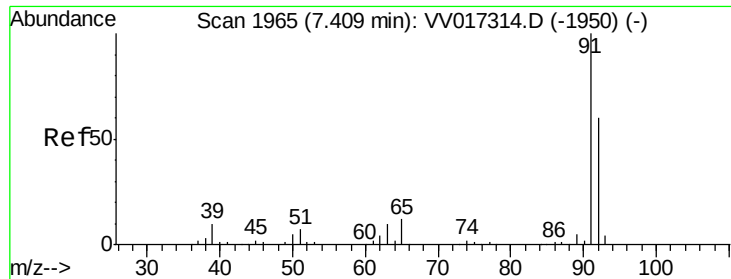
Tot Ion: 75 Resp: 67850
 Ion Ratio Lower Upper
 75 100
 77 28.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 43.658 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion: 43 Resp: 253843
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.4 45.6
 100 16.8 12.7 19.1





#42

Toluene

Concen: 4.475 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

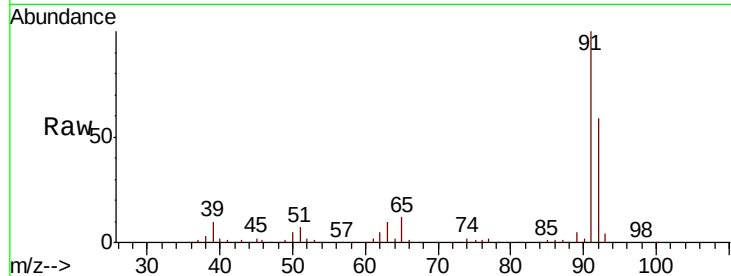
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 211649

Ion Ratio Lower Upper

91 100

92 58.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017314.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017314.D (-1950) (-)

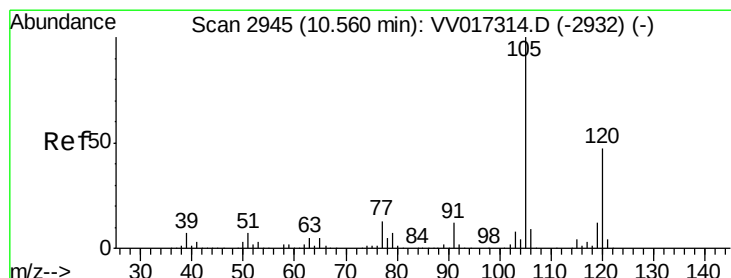
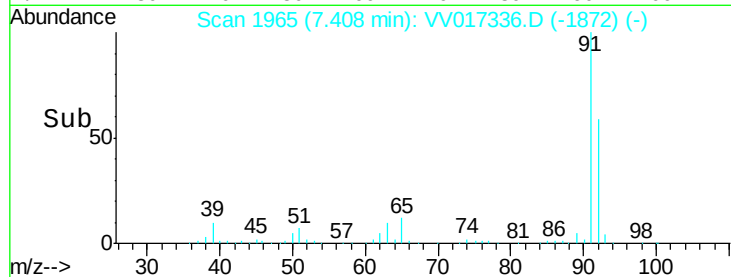
7.41

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 4.829 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017336.D

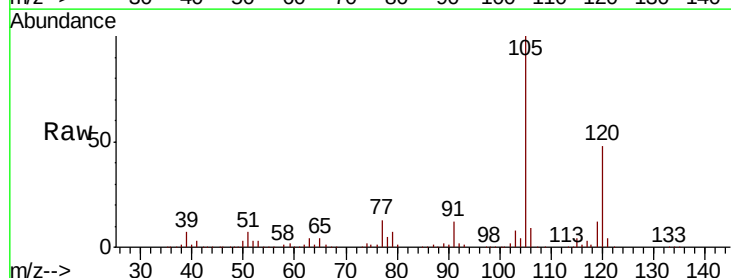
Acq: 03 Jul 2020 03:25

Tgt Ion:105 Resp: 204232

Ion Ratio Lower Upper

105 100

120 47.5 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017314.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017314.D (-2932) (-)

10.56

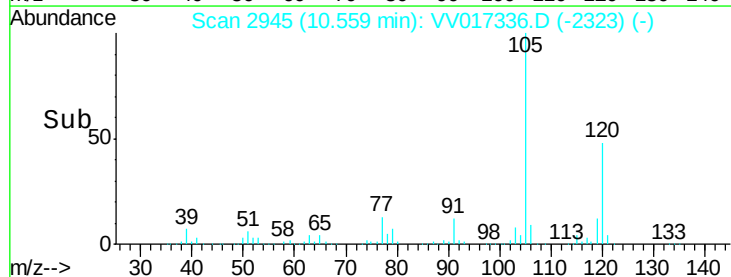
150000

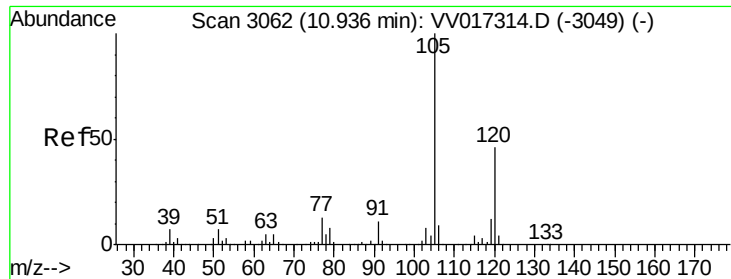
100000

50000

0

Time--> 10.50 10.55 10.60

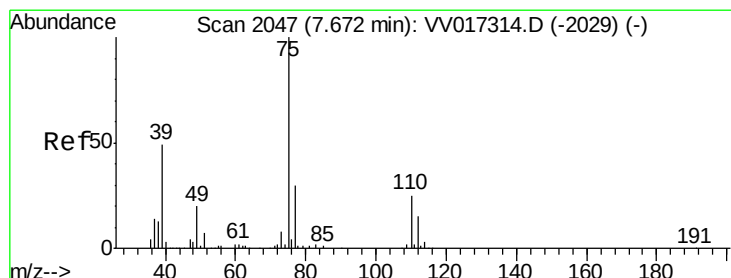
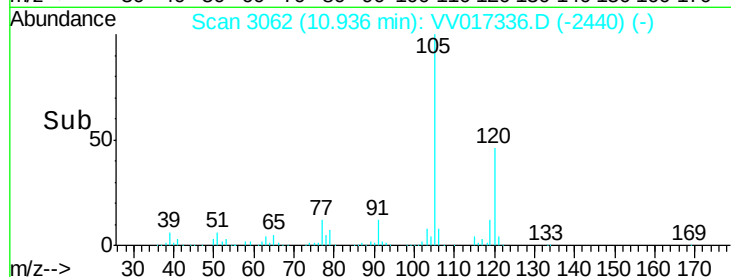
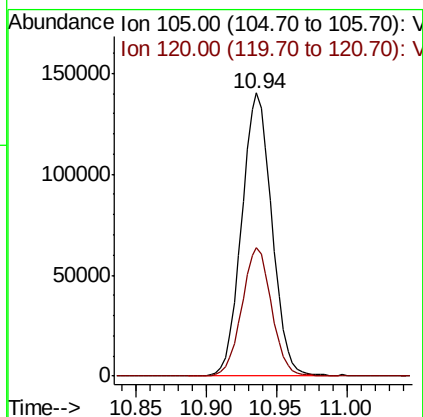
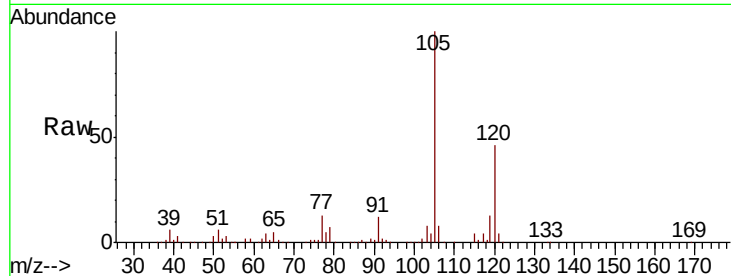




#44
1,2,4-Trimethylbenzene
Concen: 4.881 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

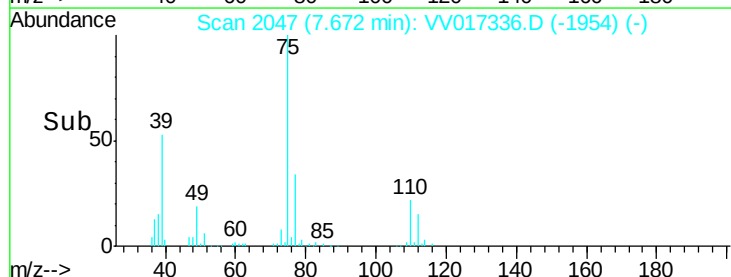
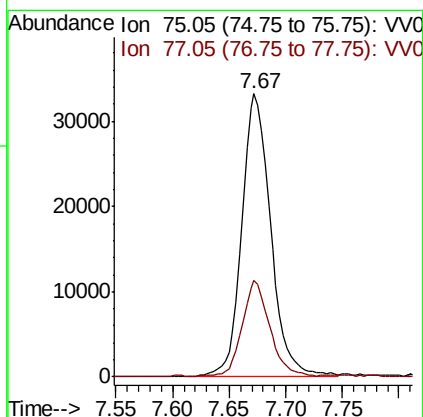
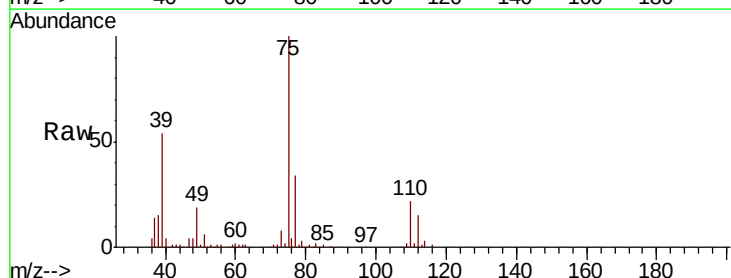
Instrument :
MSVOA_V
ClientSampleId :

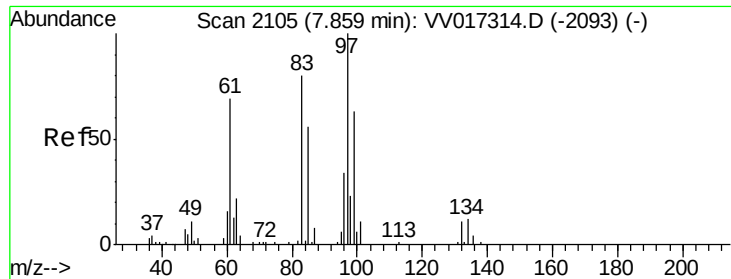
Tot Ion:105 Resp: 210221
Ion Ratio Lower Upper
105 100
120 44.8 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 4.596 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 75 Resp: 59487
Ion Ratio Lower Upper
75 100
77 34.2 22.3 41.3





#47

1,1,2-Trichloroethane

Concen: 4.848 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 34628

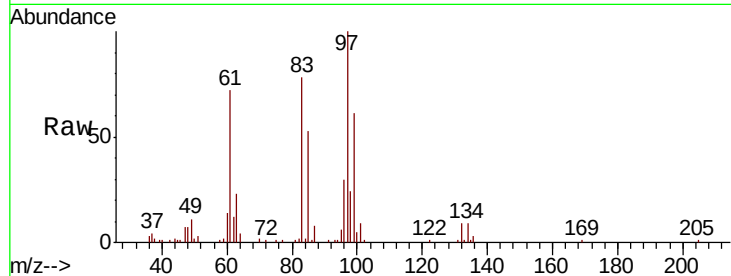
Ion Ratio Lower Upper

97 100

99 60.7 43.6 81.0

83 78.2 57.4 106.6

85 53.4 38.8 72.0



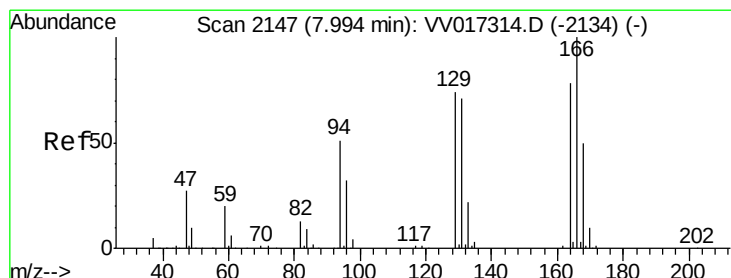
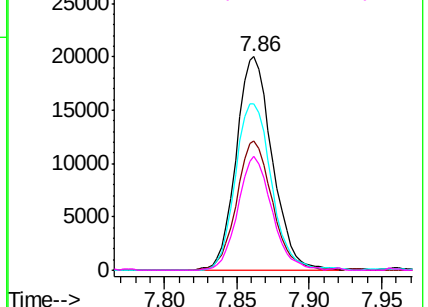
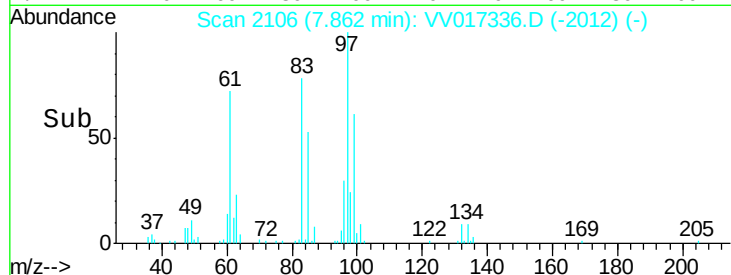
Abundance

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: 4.600 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Tgt Ion: 164 Resp: 44105

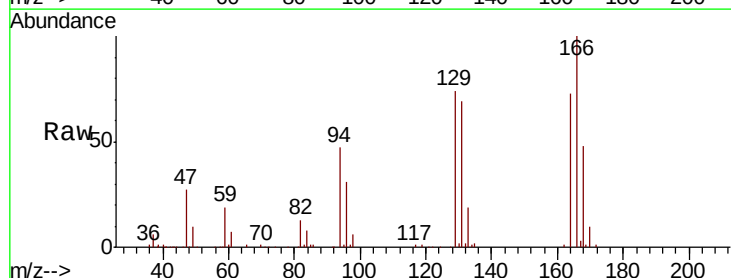
Ion Ratio Lower Upper

164 100

129 102.3 65.2 121.0

131 95.4 64.1 119.1

166 137.6 90.2 167.4



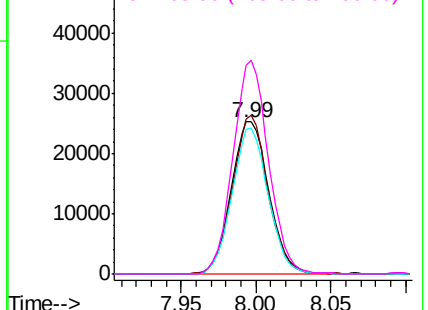
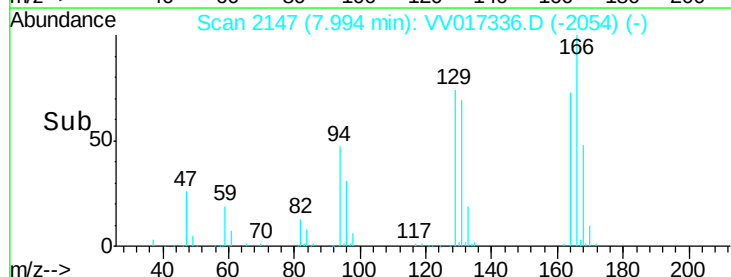
Abundance

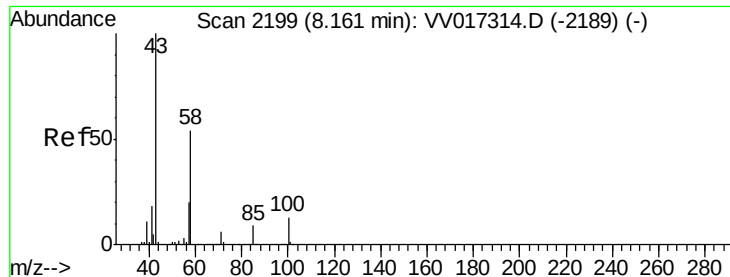
Ion 163.90 (163.60 to 164.60): V

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

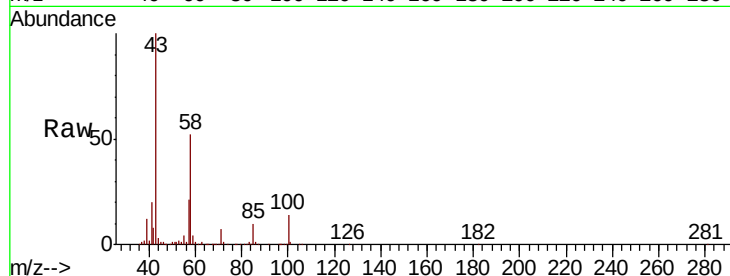




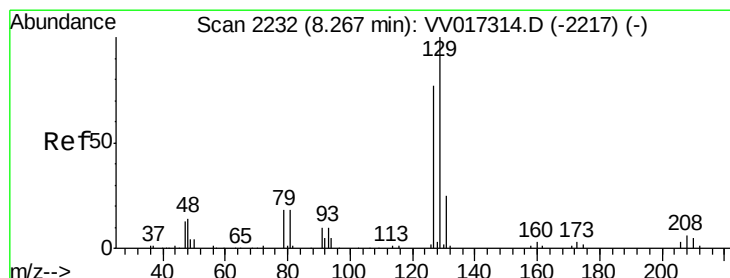
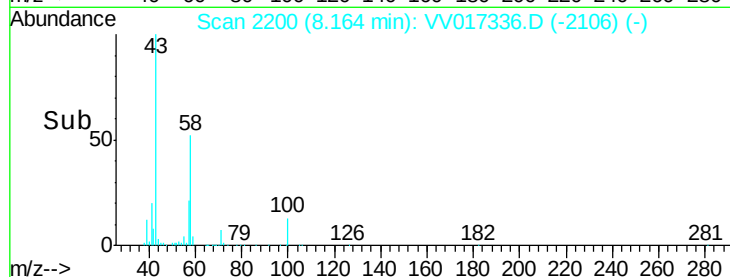
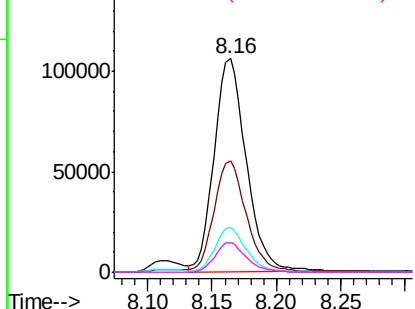
#50
2-Hexanone
Concen: 44.193 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 182864
Ion Ratio Lower Upper
43 100
58 52.3 41.6 62.4
57 19.9 15.4 23.0
100 13.7 10.1 15.1

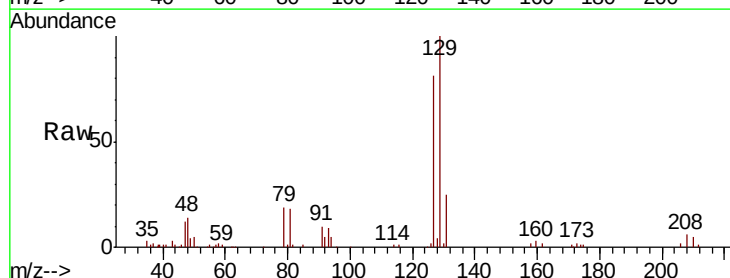


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

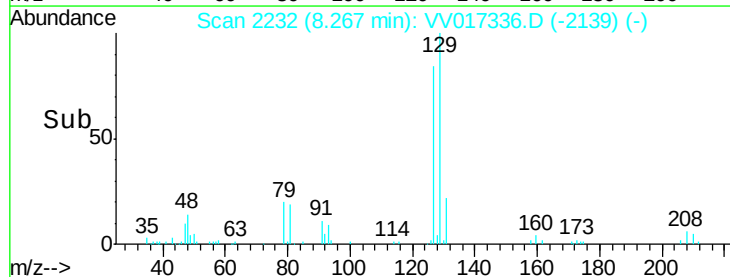
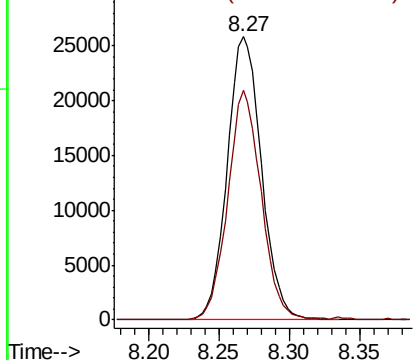


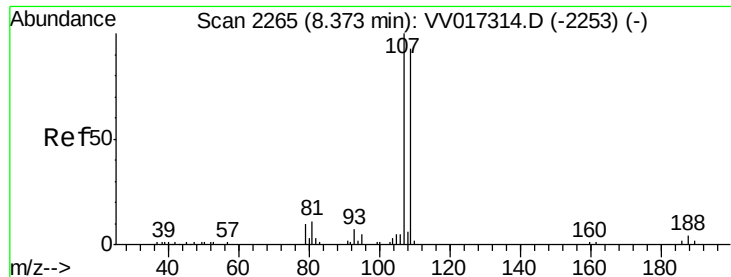
#51
Dibromochloromethane
Concen: 5.082 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 129 Resp: 44002
Ion Ratio Lower Upper
129 100
127 81.3 54.1 100.5



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

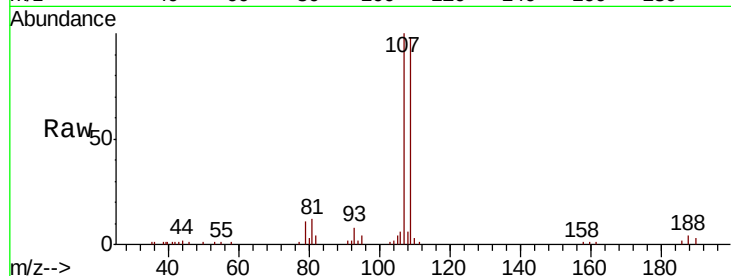




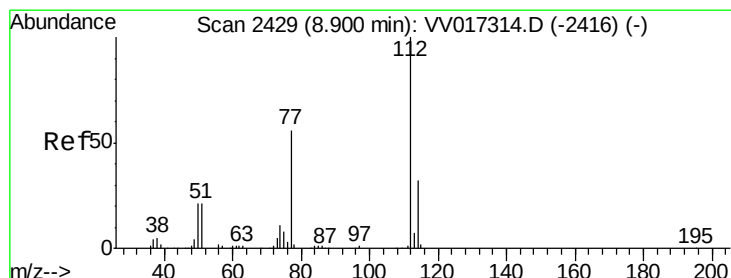
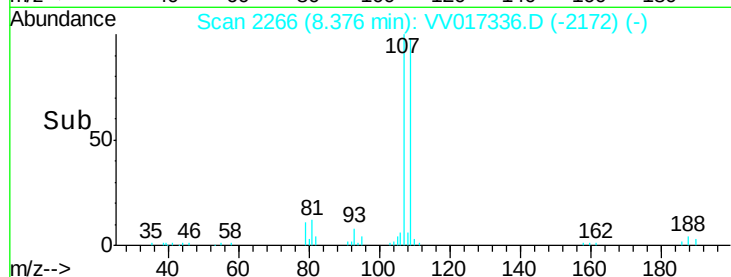
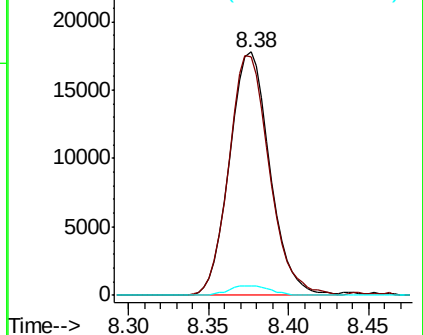
#52
 1,2-Dibromoethane
 Concen: 4.517 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 30596
 Ion Ratio Lower Upper
 107 100
 109 97.8 69.4 128.8
 188 3.9 3.9 5.9#

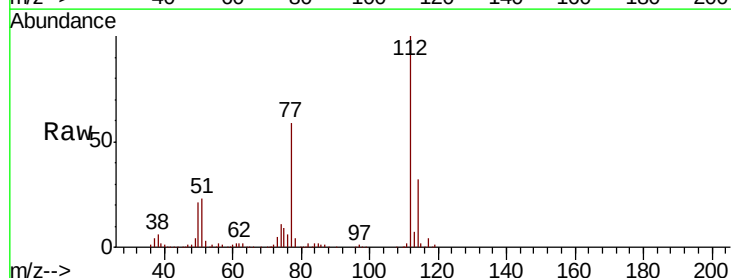


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

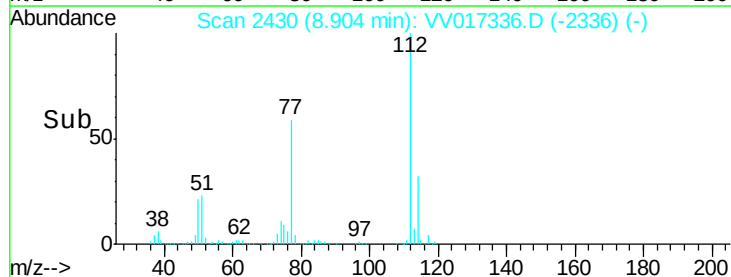
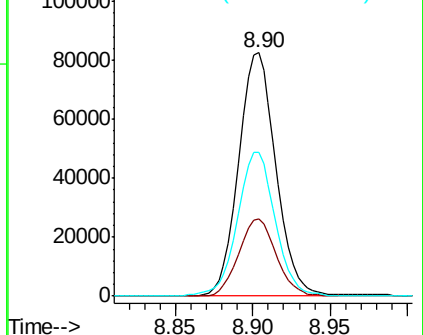


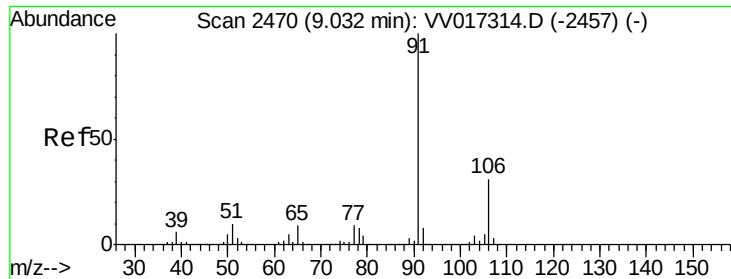
#53
 Chlorobenzene
 Concen: 4.692 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion:112 Resp: 138331
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.0 41.0
 77 58.9 46.0 69.0



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): V

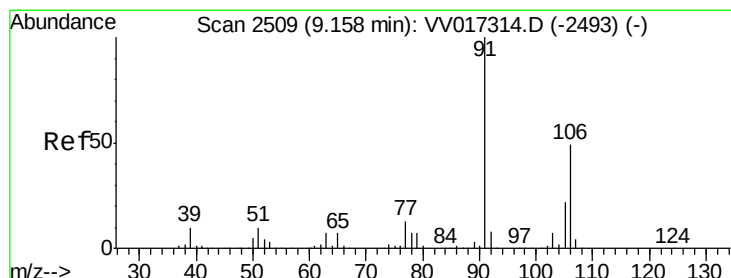
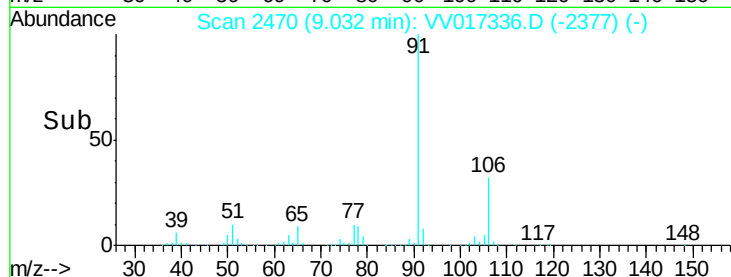
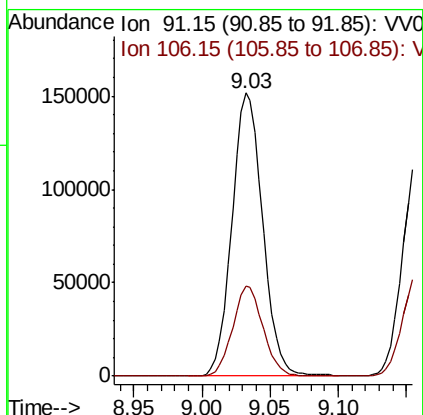
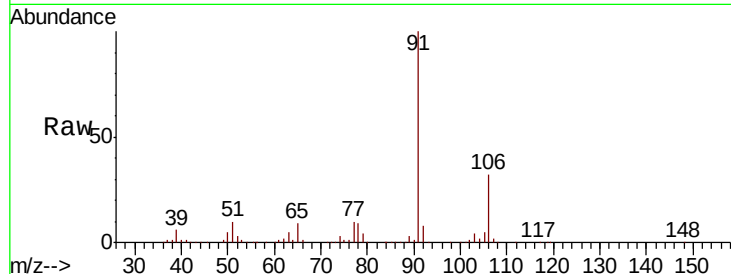




#54
Ethylbenzene
Concen: 4.696 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

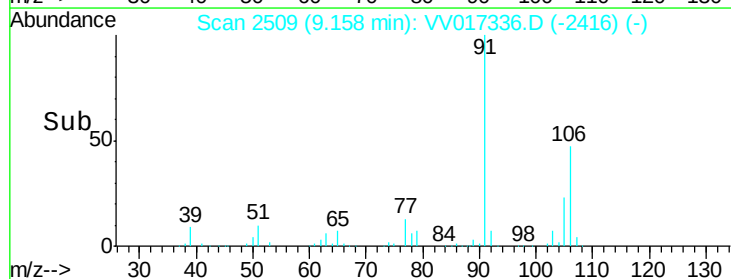
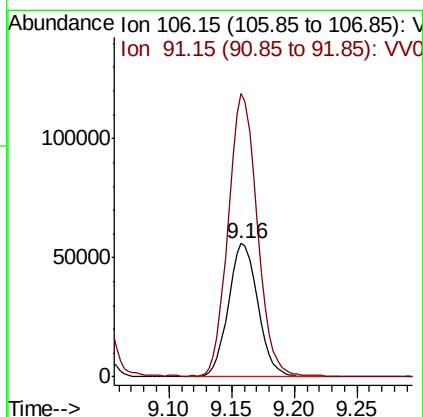
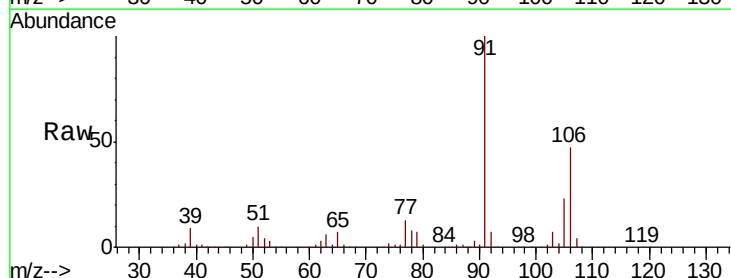
Instrument :
MSVOA_V
ClientSampleId :

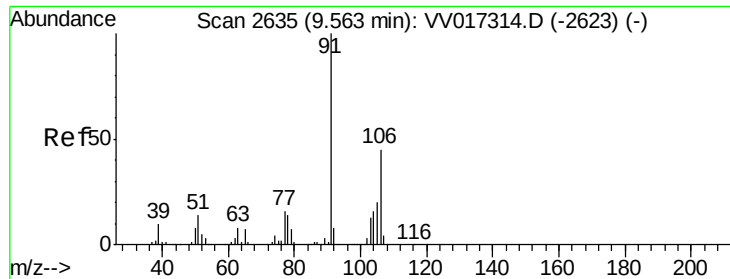
Tot Ion: 91 Resp: 237054
Ion Ratio Lower Upper
91 100
106 31.8 21.1 39.1



#55
m,p-xylene
Concen: 4.620 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion: 106 Resp: 91487
Ion Ratio Lower Upper
106 100
91 212.2 142.7 264.9

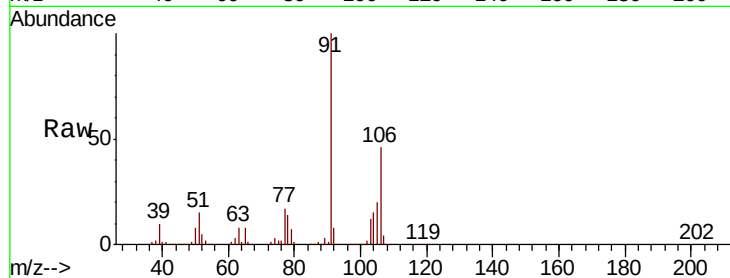




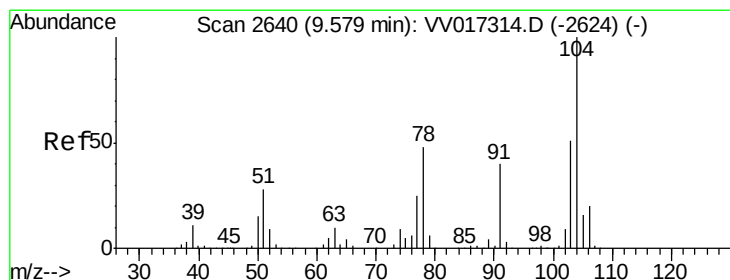
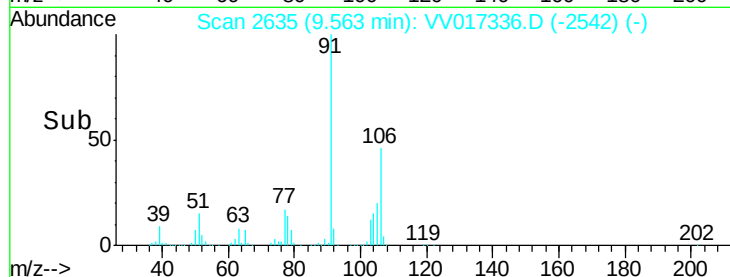
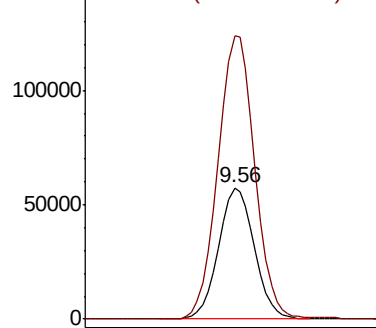
#56
o-xylene
Concen: 4.692 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 86705
Ion Ratio Lower Upper
106 100
91 215.9 153.6 285.2

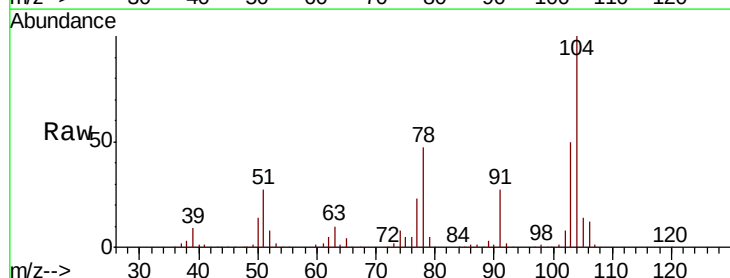


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

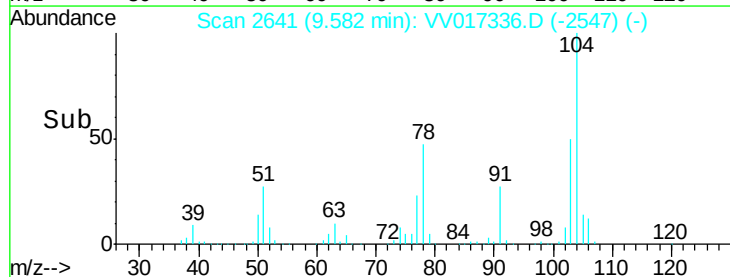
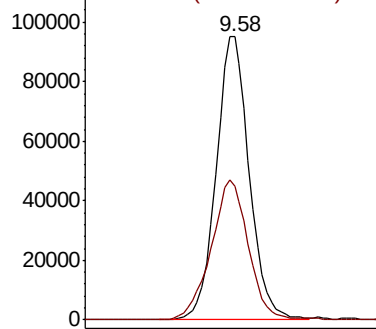


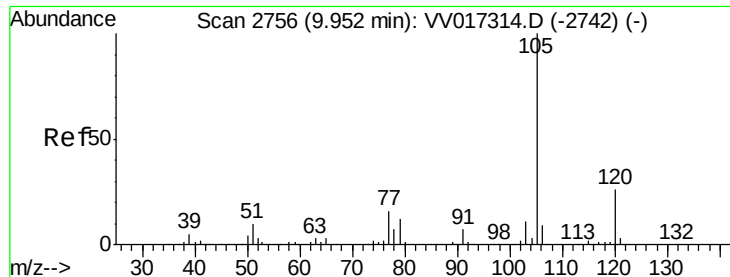
#57
Styrene
Concen: 4.925 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017336.D
Acq: 03 Jul 2020 03:25

Tgt Ion:104 Resp: 150800
Ion Ratio Lower Upper
104 100
78 47.2 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 4.781 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Instrument :
MSVOA_V
ClientSampleId :

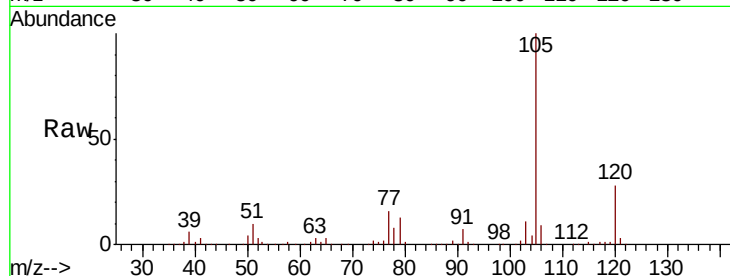
Tot Ion:105 Resp: 243111

Ion Ratio Lower Upper

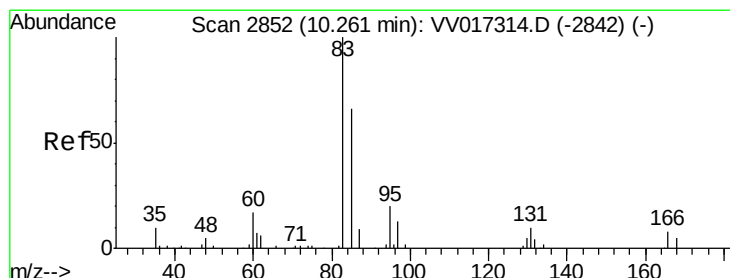
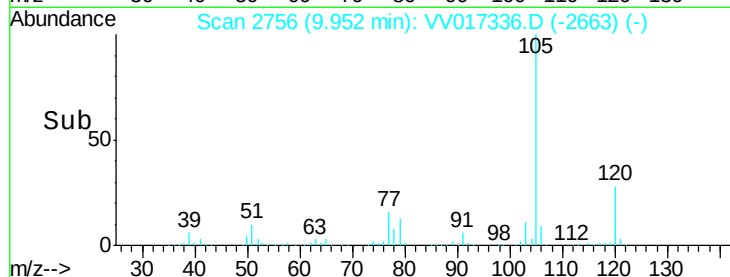
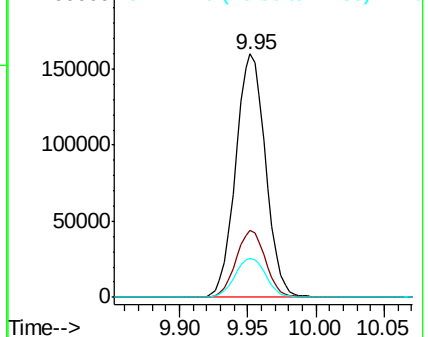
105 100

120 27.2 21.2 31.8

77 16.7 13.0 19.4



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: 4.741 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

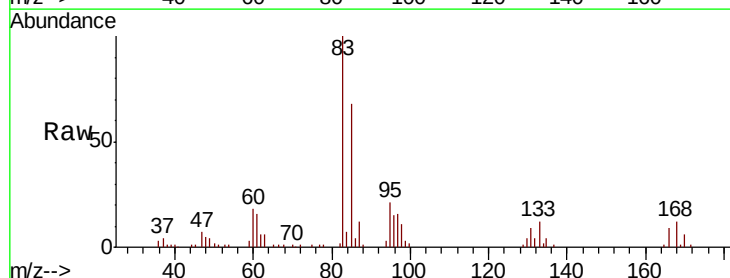
Tgt Ion: 83 Resp: 35027

Ion Ratio Lower Upper

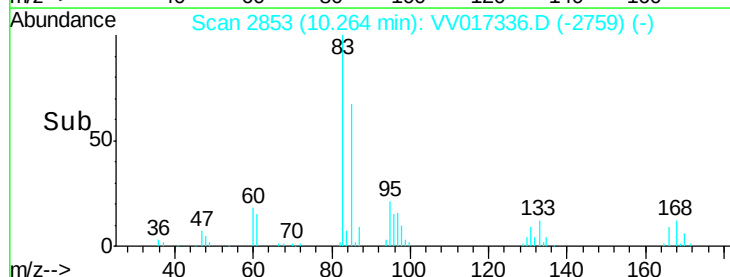
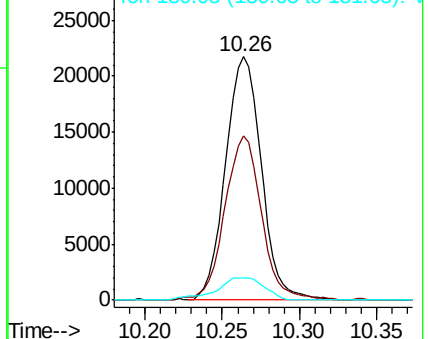
83 100

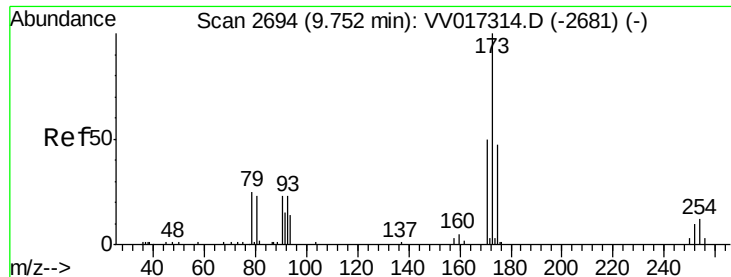
85 67.6 42.9 79.7

131 9.2 8.6 13.0



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: 5.412 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

Instrument :
MSVOA_V
ClientSampleId :

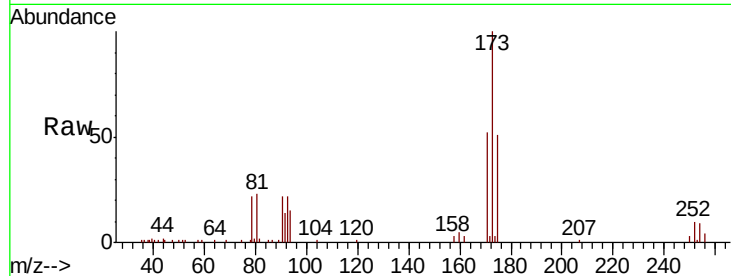
Tot Ion:173 Resp: 24431

Ion Ratio Lower Upper

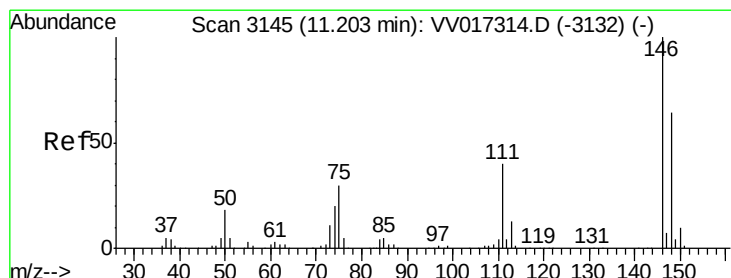
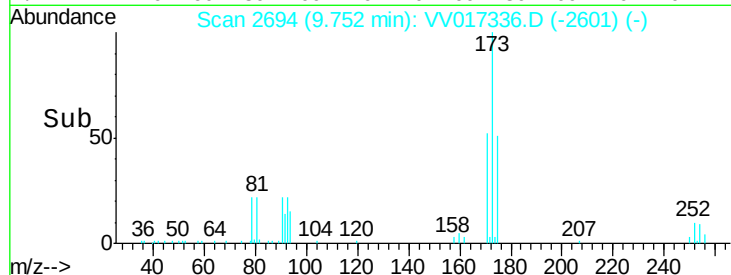
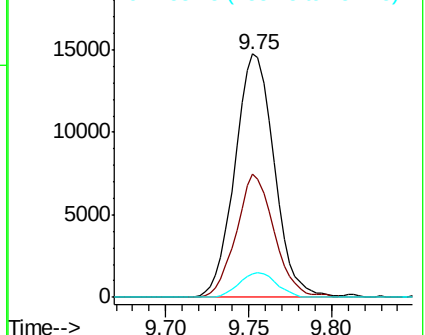
173 100

175 48.7 39.4 59.2

254 9.4 7.4 11.2



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: 4.733 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017336.D

Acq: 03 Jul 2020 03:25

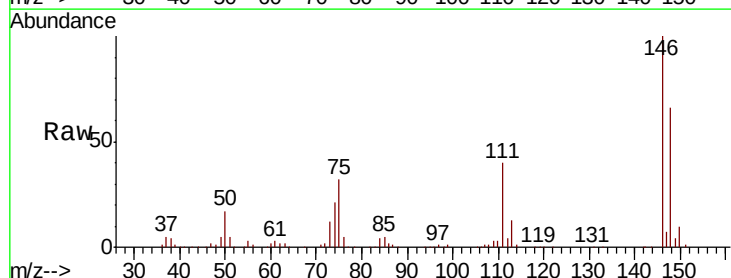
Tgt Ion:146 Resp: 120209

Ion Ratio Lower Upper

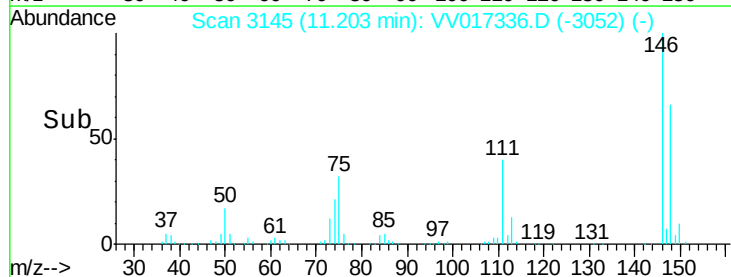
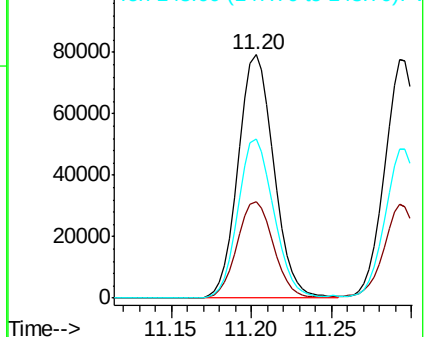
146 100

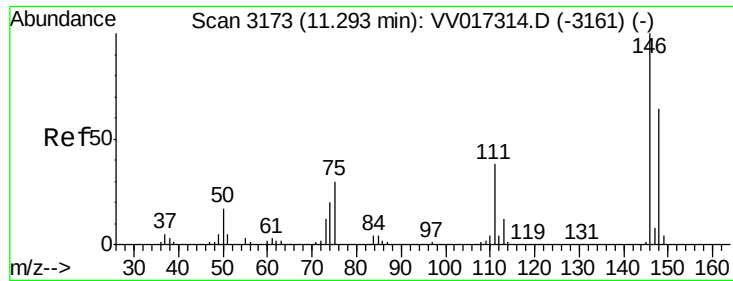
111 39.7 29.2 54.2

148 65.6 44.9 83.5



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

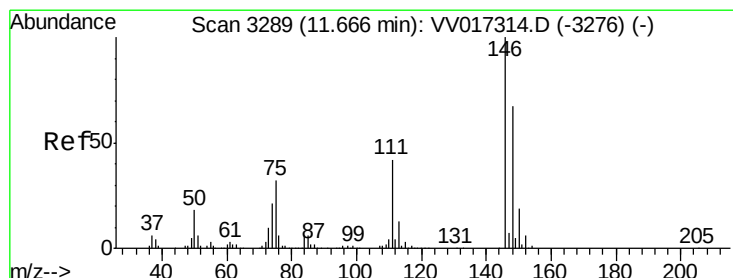
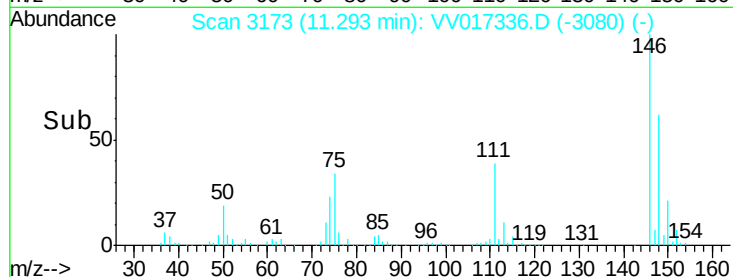
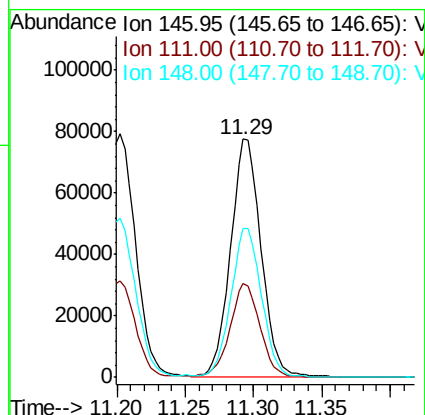
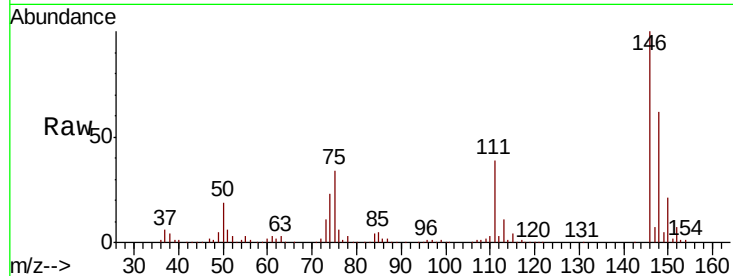




#64
 1,4-Dichlorobenzene
 Concen: 4.657 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

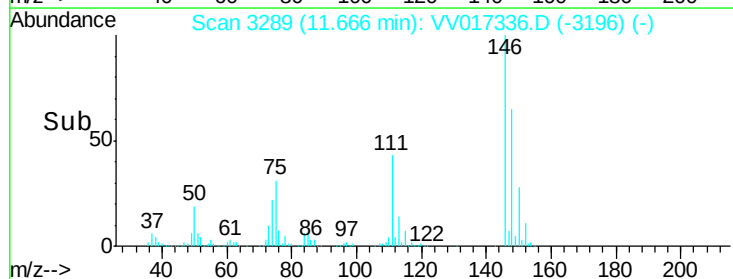
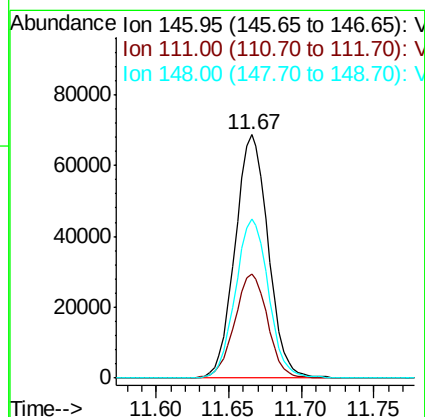
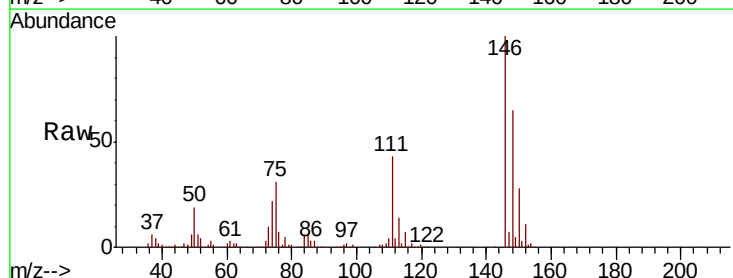
Instrument :
 MSVOA_V
 ClientSampleId :

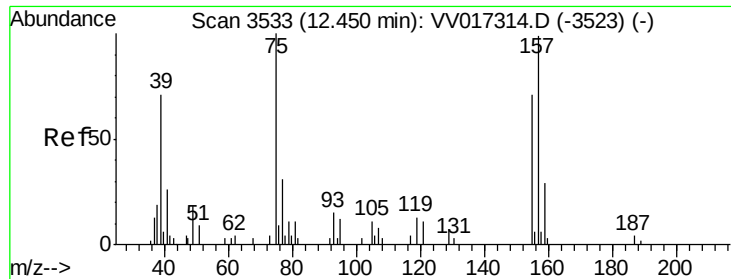
Tot Ion:146 Resp: 120216
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.4 50.8
 148 62.4 44.3 82.3



#66
 1,2-Dichlorobenzene
 Concen: 4.729 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion:146 Resp: 109017
 Ion Ratio Lower Upper
 146 100
 111 42.8 34.4 51.6
 148 65.3 49.9 74.9

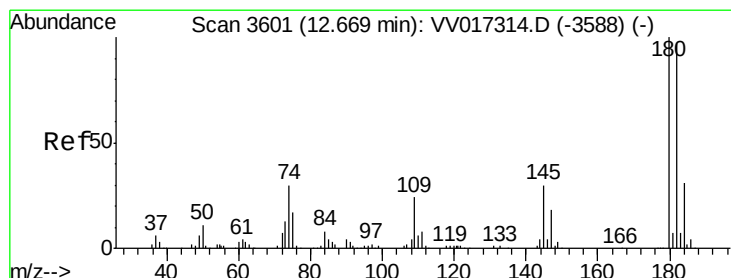
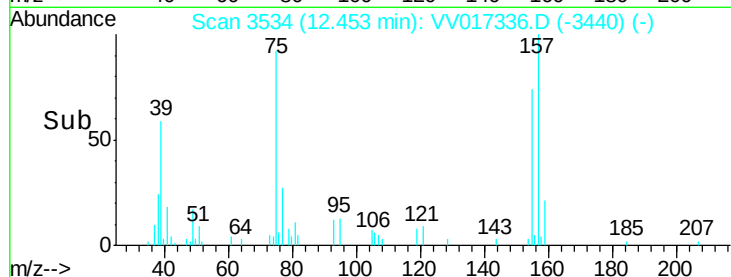
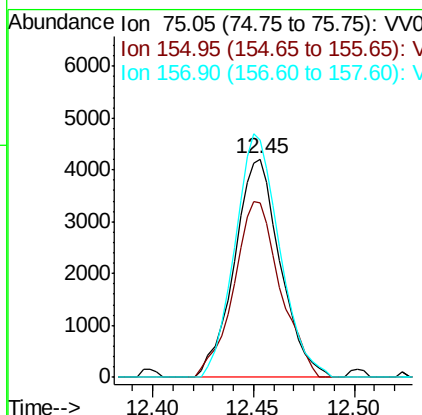
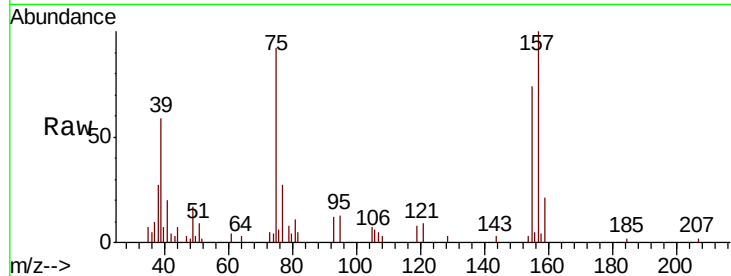




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.257 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

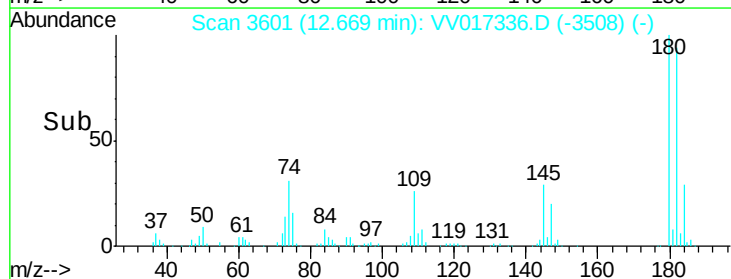
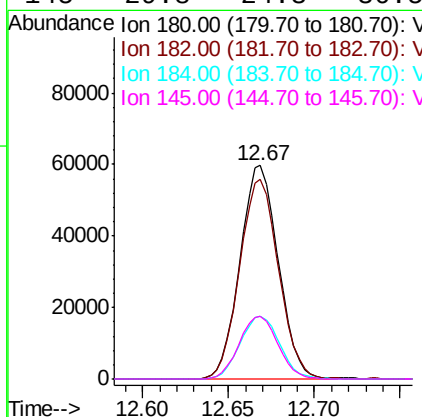
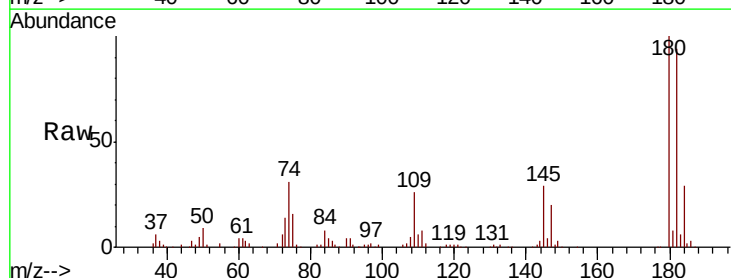
Instrument :
 MSVOA_V
 ClientSampleId :

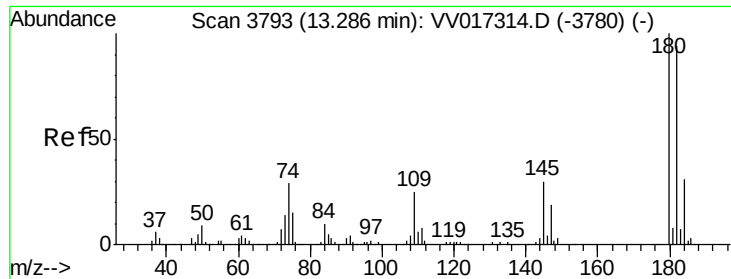
Tot Ion: 75 Resp: 6703
 Ion Ratio Lower Upper
 75 100
 155 79.9 71.1 106.7
 157 108.5 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.534 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion: 180 Resp: 92535
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.4 116.2
 184 30.4 24.2 36.4
 145 29.8 24.3 36.5

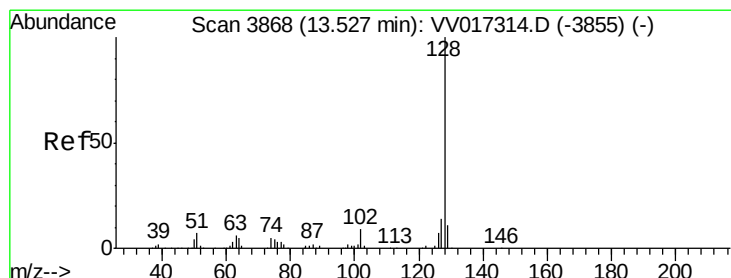
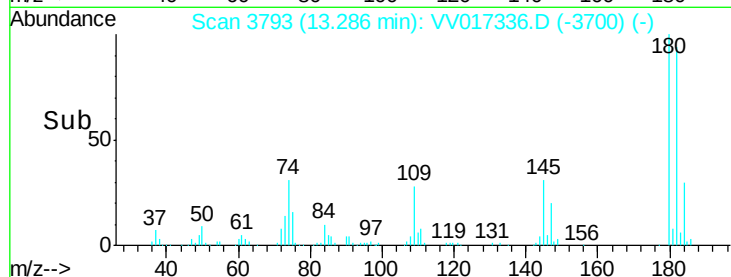
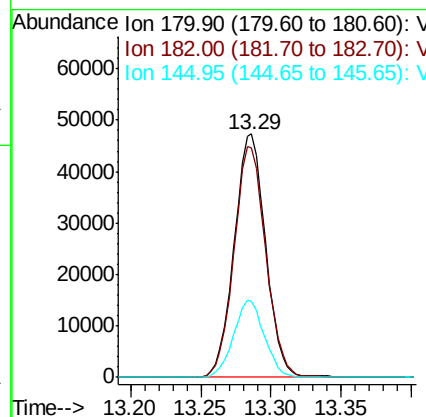
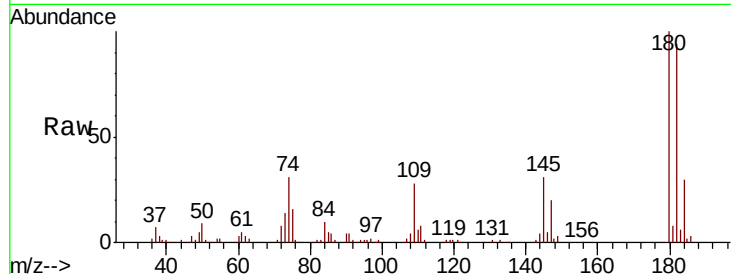




#69
 1,2,4-trichlorobenzene
 Concen: 4.397 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

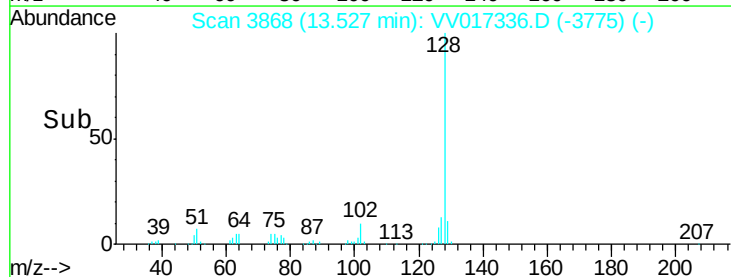
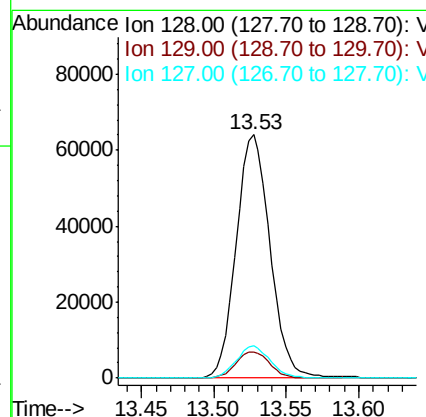
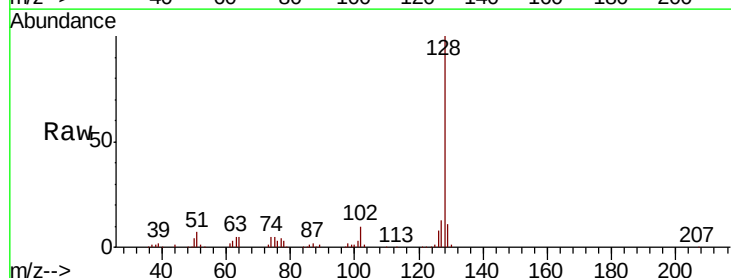
Instrument :
 MSVOA_V
 ClientSampleId :

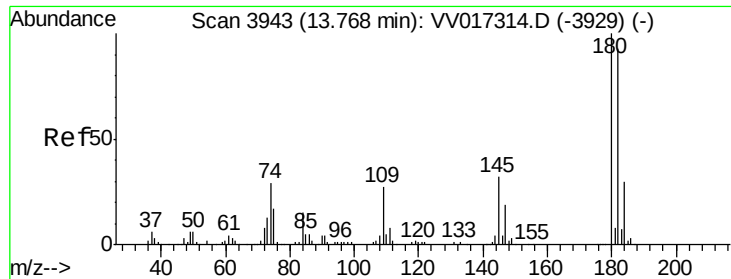
Tot Ion:180 Resp: 73859
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 31.2 25.0 37.6



#70
 Naphthalene
 Concen: 4.388 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Tgt Ion:128 Resp: 104105
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.8 13.2
 127 13.3 10.5 15.7

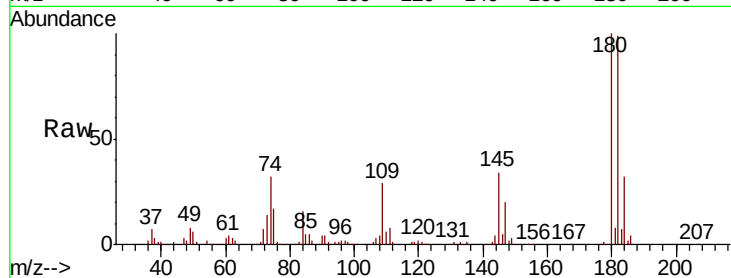




#71
 1,2,3-Trichlorobenzene
 Concen: 4.793 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017336.D
 Acq: 03 Jul 2020 03:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.0
145	32.9	25.9	38.9



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

