

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016959.D
 Acq On : 17 Jun 2020 11:35
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Quant Time: Jun 18 01:49:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 01:31:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	211219	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	196721	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	105867	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	64868	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.58	69	46538	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.12	63	118772	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	3.92	46	169408	52.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.86%
24) Chloroform-d	4.38	84	134214	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.06	65	71953	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.07	84	262815	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.10	67	75903	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.34	98	247768	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
45) trans-1,3-Dichloropropene-	7.64	79	32605	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
48) 2-Hexanone-d5	8.11	63	132263	54.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.10%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	54486	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	95769	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	79472	4.713	ug/L 99
3) Chloromethane	1.25	50	67763	4.743	ug/L 99
5) Vinyl chloride	1.32	62	65966	4.759	ug/L 98
6) Bromomethane	1.53	94	40038	4.956	ug/L 99
8) Chloroethane	1.60	64	35283	4.606	ug/L 99
9) Trichlorofluoromethane	1.77	101	109317	4.870	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52699	4.711	ug/L 96
12) 1,1-Dichloroethene	2.13	96	48782	4.812	ug/L 94
13) Acetone	2.19	43	80731	49.430	ug/L 96
14) Carbon disulfide	2.31	76	143762	4.733	ug/L 97
15) Methyl Acetate	2.45	43	17592	4.406	ug/L 93
16) Methylene chloride	2.52	84	48703	4.486	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	125369	4.925	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	50479	4.699	ug/L 96
19) 1,1-Dichloroethane	3.21	63	114592	4.748	ug/L 99
21) 2-Butanone	4.00	43	155985	50.666	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	70074	4.770	ug/L # 99

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 Misc : 25.0mL/MSVOA V/WATER
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 Quant Title : TRACE VOA SOM01.0
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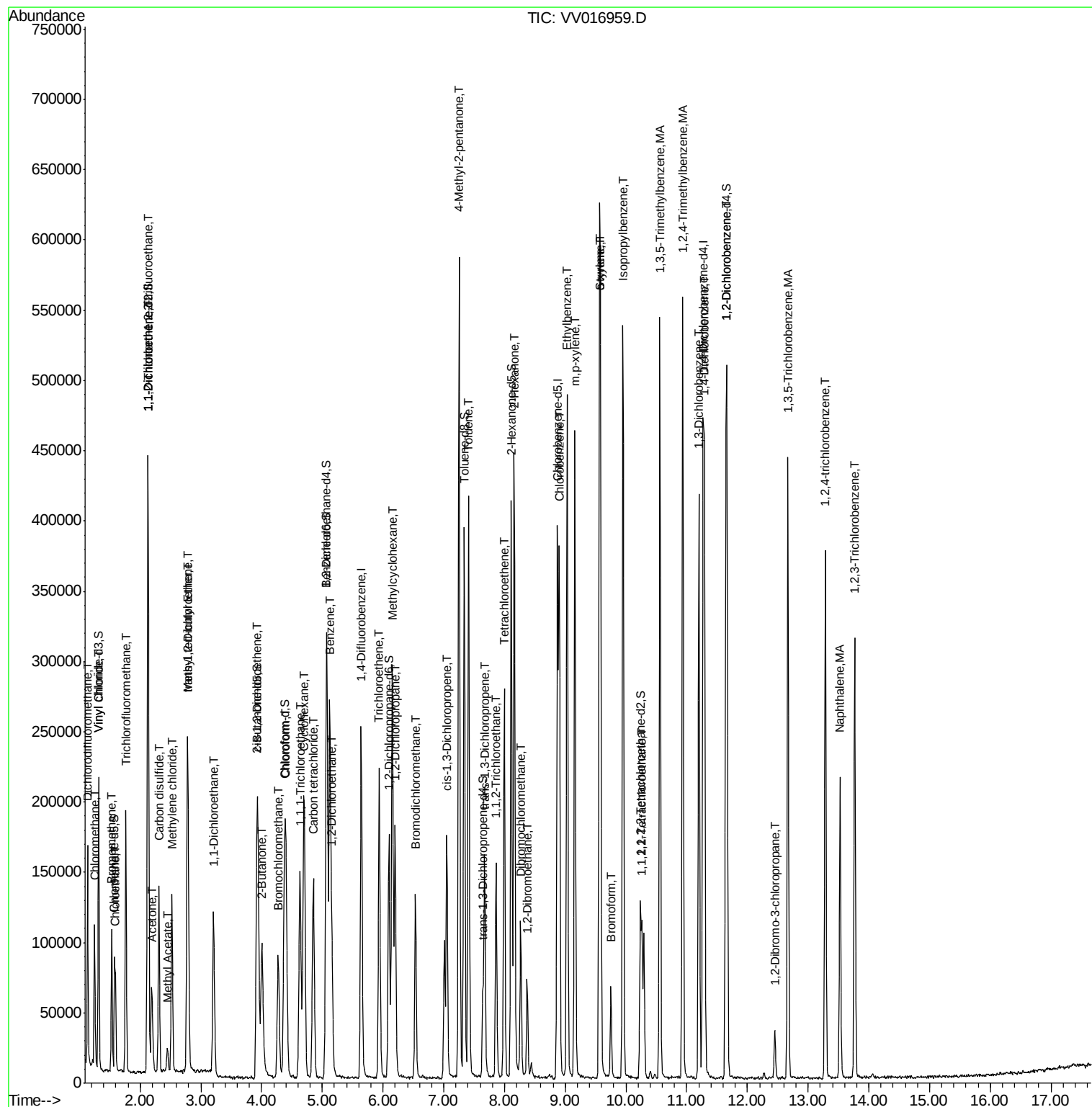
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	30830	4.939	ug/L	96
25) Chloroform	4.41	83	129216	4.901	ug/L	96
27) 1,2-Dichloroethane	5.16	62	79273	4.840	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	118428	5.025	ug/L	99
30) Cyclohexane	4.70	56	110806	4.941	ug/L	99
31) Carbon tetrachloride	4.85	117	103352	4.860	ug/L	99
33) Benzene	5.12	78	255763	4.964	ug/L	100
34) Trichloroethene	5.94	95	72639	4.815	ug/L	98
35) Methylcyclohexane	6.15	83	116096	4.951	ug/L	99
37) 1,2-Dichloropropane	6.20	63	64714	5.074	ug/L	99
38) Bromodichloromethane	6.53	83	83722	4.833	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	95181	5.024	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	376160	51.086	ug/L	100
42) Toluene	7.41	91	288381	4.815	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	278084	5.192	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	286496	5.253	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	83199	5.076	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	44762	4.949	ug/L	96
49) Tetrachloroethene	8.00	164	59682	4.915	ug/L	99
50) 2-Hexanone	8.16	43	278158	53.082	ug/L	99
51) Dibromochloromethane	8.27	129	53410	4.871	ug/L	92
52) 1,2-Dibromoethane	8.38	107	44611	5.200	ug/L #	92
53) Chlorobenzene	8.90	112	187334	5.017	ug/L	98
54) Ethylbenzene	9.03	91	325777	5.095	ug/L	99
55) m,p-xylene	9.16	106	122632	4.890	ug/L	97
56) o-xylene	9.56	106	117324	5.014	ug/L	96
57) Styrene	9.58	104	203805	5.256	ug/L	96
58) Isopropylbenzene	9.95	105	330782	5.137	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	47409	5.067	ug/L	99
62) Bromoform	9.75	173	27428	4.843	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	160643	5.040	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	160556	4.956	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	144999	5.013	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	8105	5.066	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	130188	5.084	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	109394	5.190	ug/L	99
70) Naphthalene	13.53	128	164511	5.527	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	91668	5.332	ug/L	99

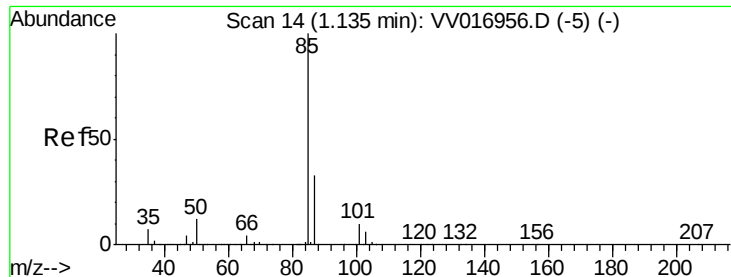
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Instrument :
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QLast Update : Thu Jun 18 01:31:06 2020
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#2

Dichlorodifluoromethane

Concen: 4.713 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

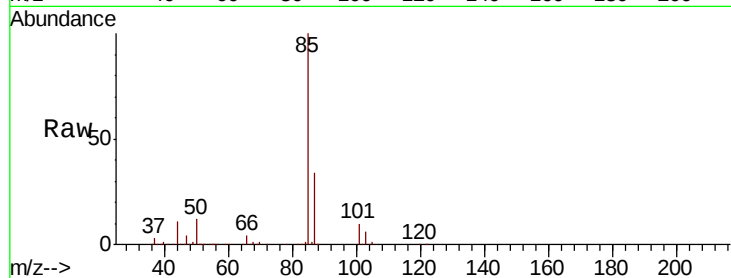
VICV33

Tot Ion: 85 Resp: 79472

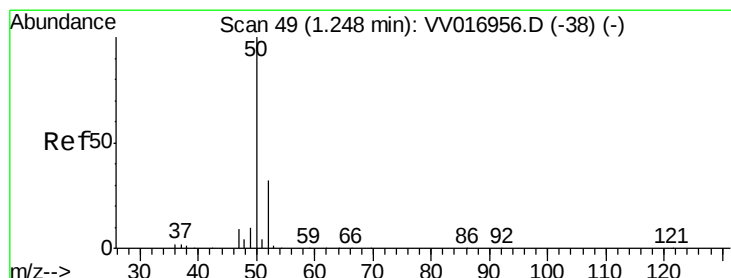
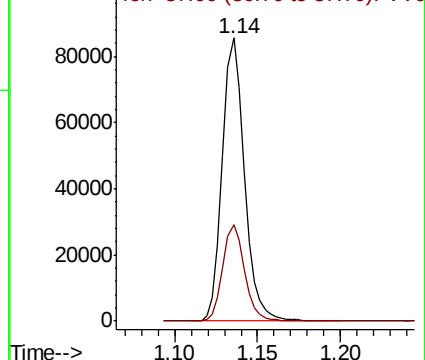
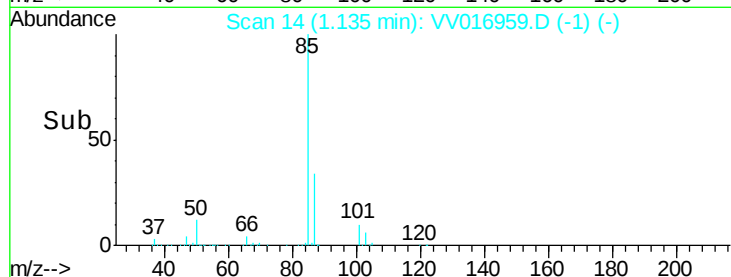
Ion Ratio Lower Upper

85 100

87 33.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV016959.D (-1) (-)



#3

Chloromethane

Concen: 4.743 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016959.D

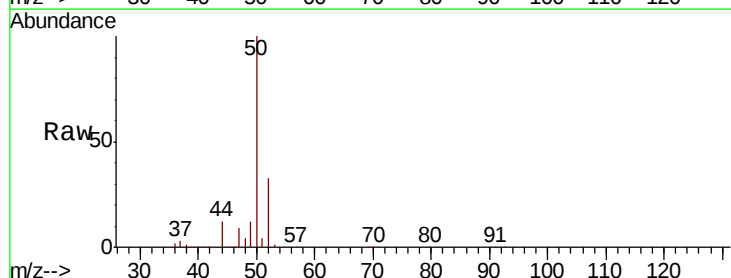
Acq: 17 Jun 2020 11:35

Tgt Ion: 50 Resp: 67763

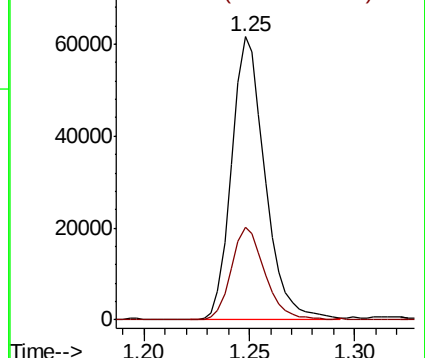
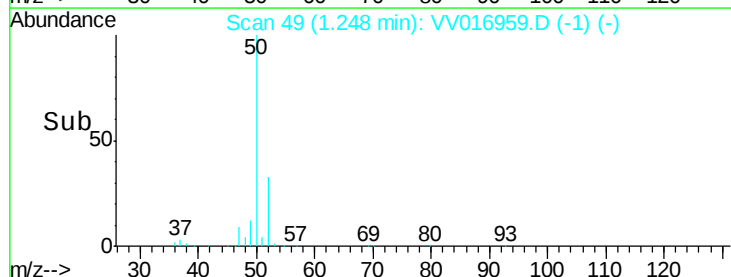
Ion Ratio Lower Upper

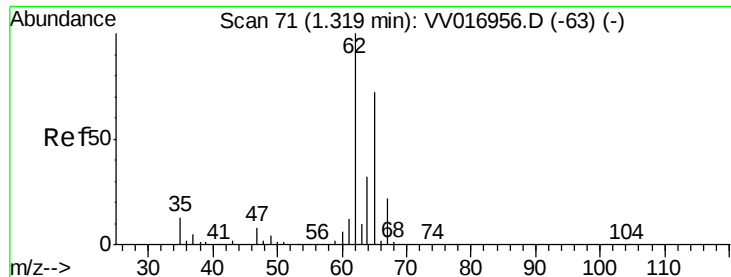
50 100

52 32.7 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV016959.D (-1) (-)





#5

Vinyl chloride

Concen: 4.759 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

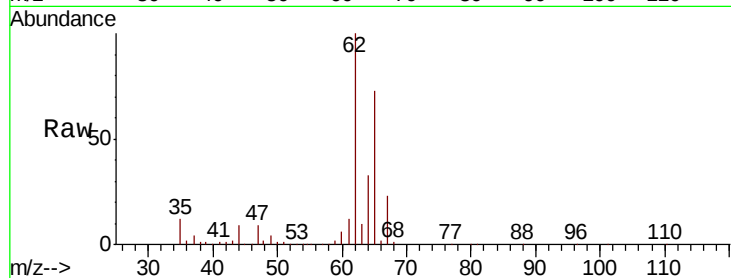
VICV33

Tot Ion: 62 Resp: 65966

Ion Ratio Lower Upper

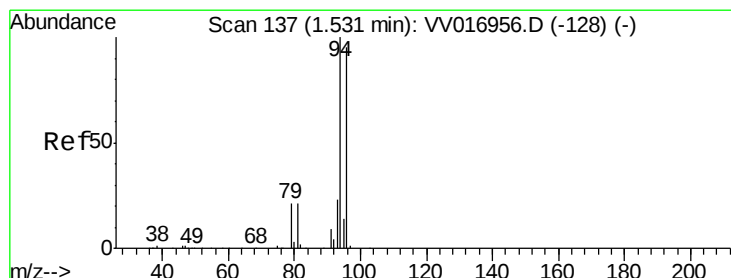
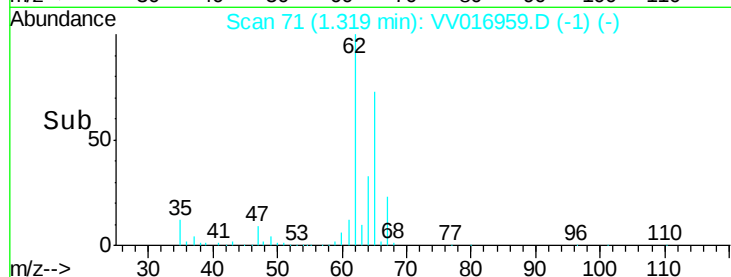
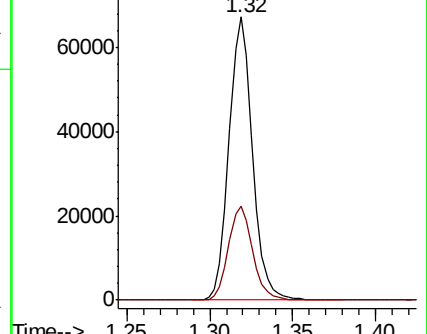
62 100

64 33.0 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: 4.956 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016959.D

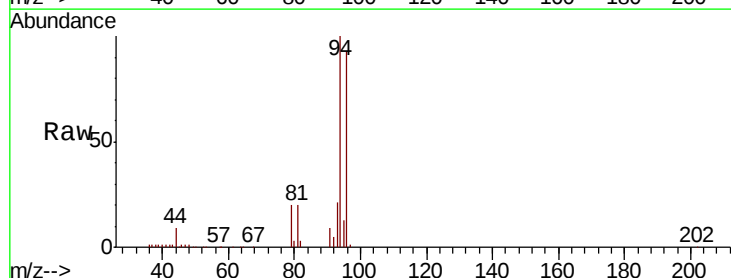
Acq: 17 Jun 2020 11:35

Tgt Ion: 94 Resp: 40038

Ion Ratio Lower Upper

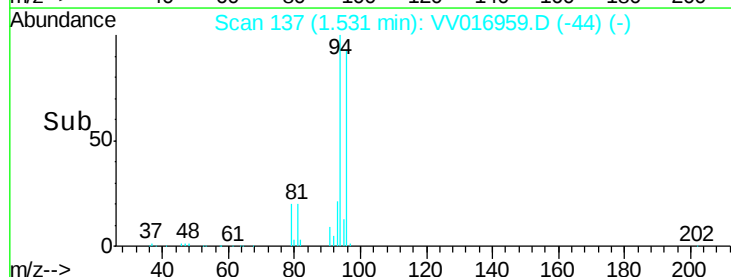
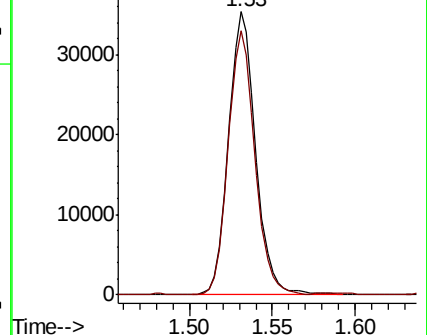
94 100

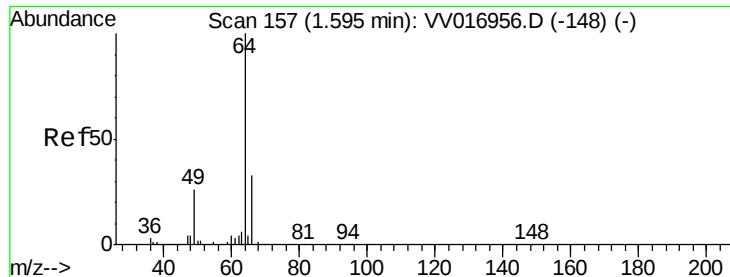
96 93.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.606 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

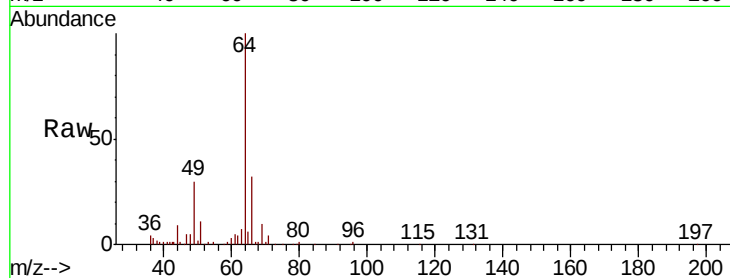
VICV33

Tot Ion: 64 Resp: 35283

Ion Ratio Lower Upper

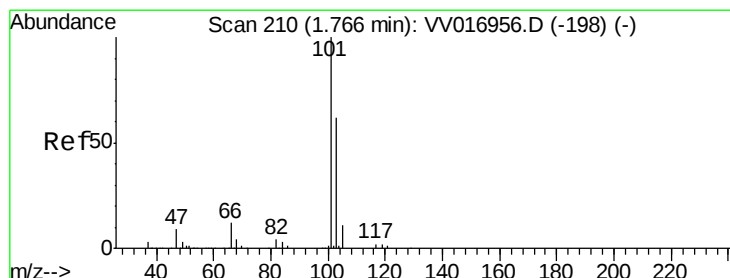
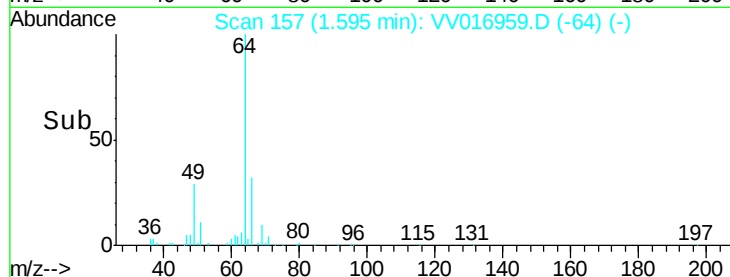
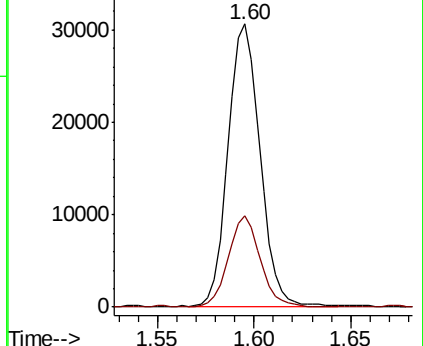
64 100

66 32.2 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV016959.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV016959.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 4.870 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016959.D

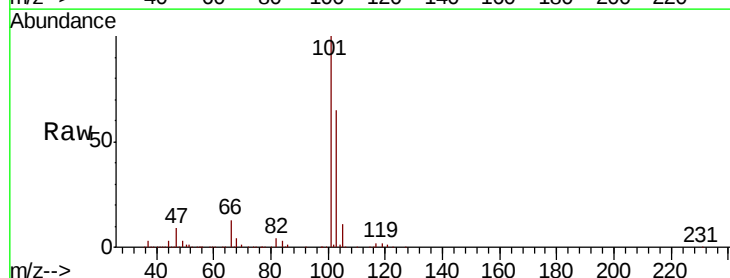
Acq: 17 Jun 2020 11:35

Tgt Ion: 101 Resp: 109317

Ion Ratio Lower Upper

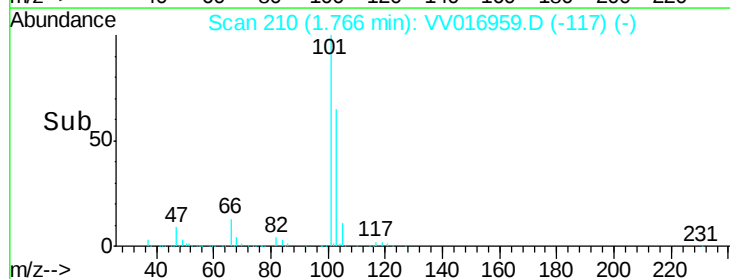
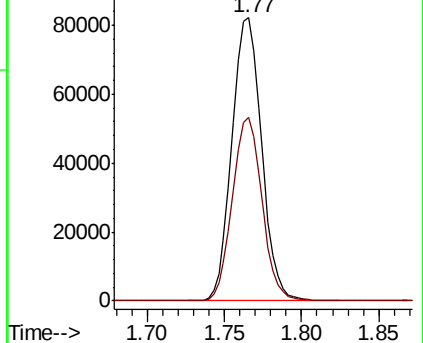
101 100

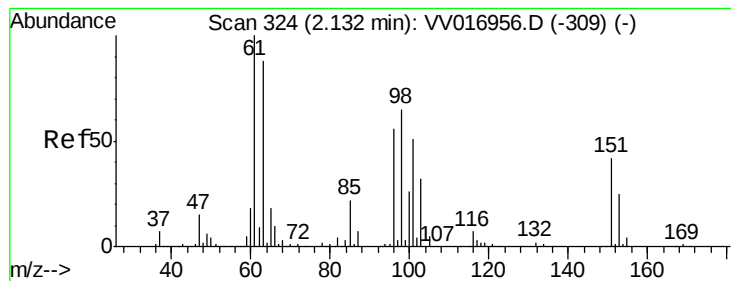
103 64.6 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016959.D (-117) (-)

Ion 103.00 (102.70 to 103.70): VV016959.D (-117) (-)





#10

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

Concen: 4.711 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampled :

VICV33

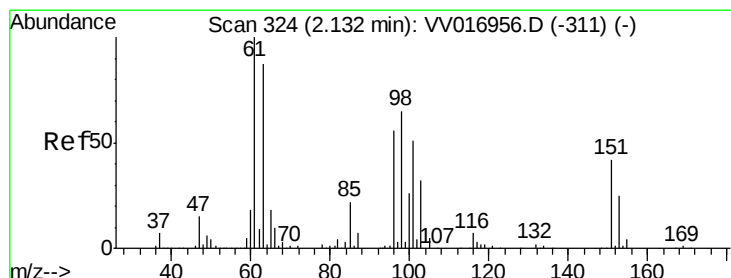
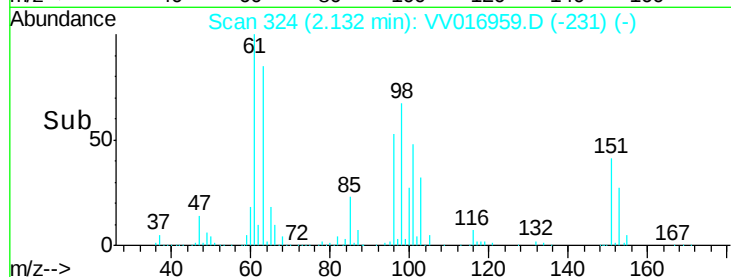
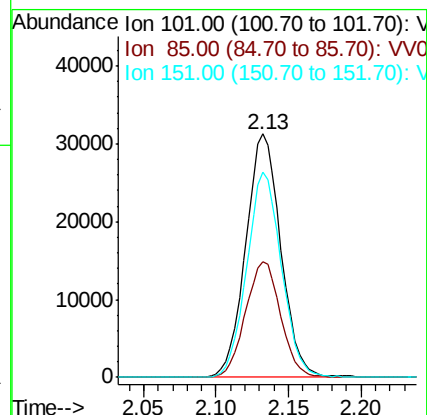
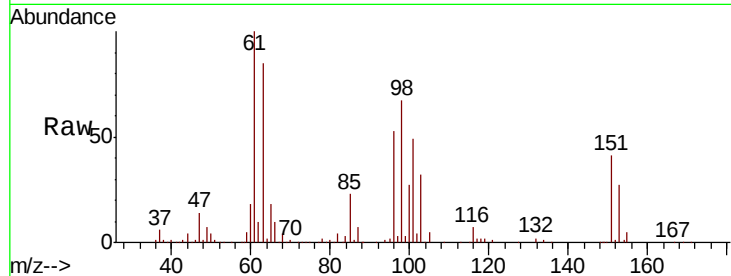
Tot Ion:101 Resp: 52699

Ion Ratio Lower Upper

101 100

85 47.5 35.4 53.2

151 83.4 63.9 95.9



#12

1,1-Dichloroethene

Concen: 4.812 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

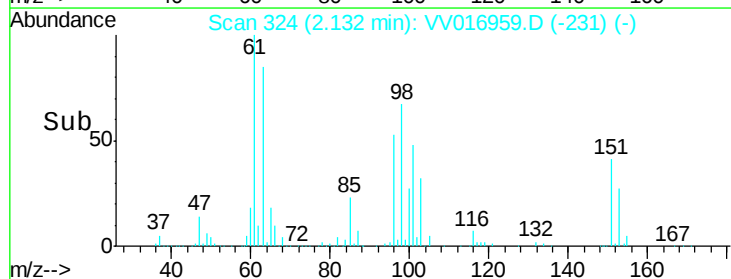
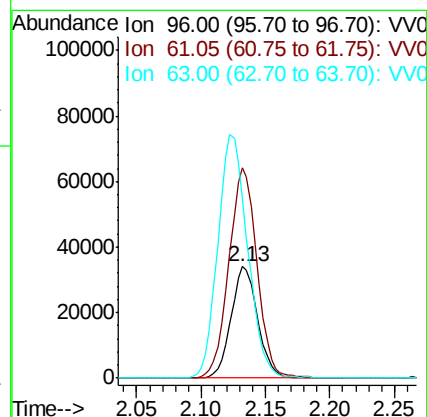
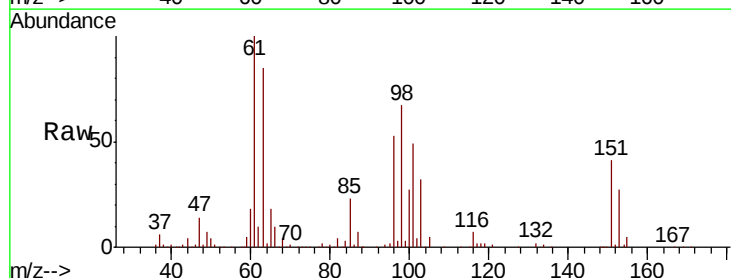
Tgt Ion: 96 Resp: 48782

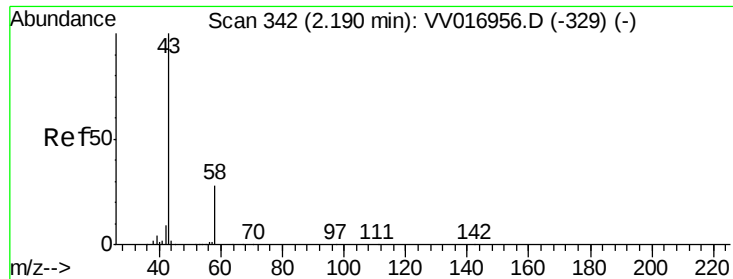
Ion Ratio Lower Upper

96 100

61 189.5 125.0 232.2

63 161.2 109.8 203.8





#13

Acetone

Concen: 49.430 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

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MSVOA_V

ClientSampleId :

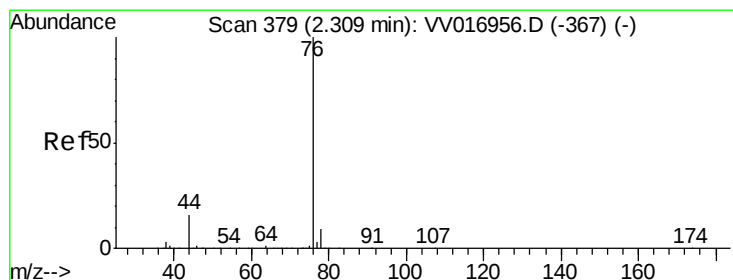
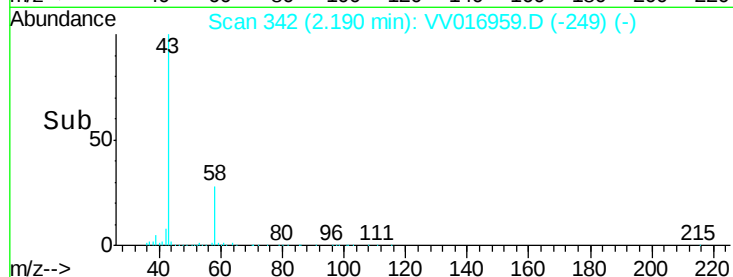
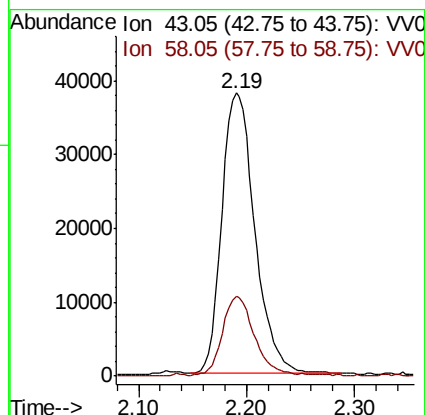
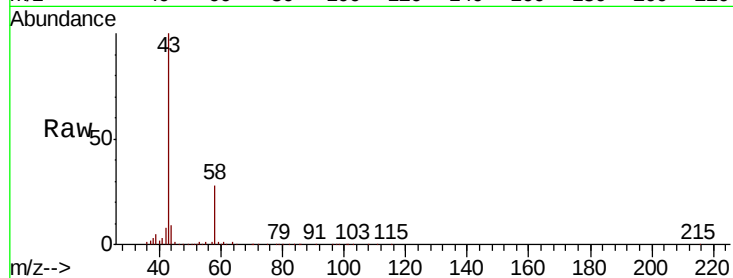
VICV33

Tot Ion: 43 Resp: 80731

Ion Ratio Lower Upper

43 100

58 26.9 0.0 58.4



#14

Carbon disulfide

Concen: 4.733 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016959.D

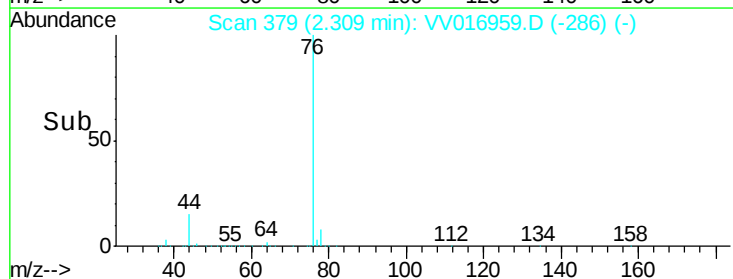
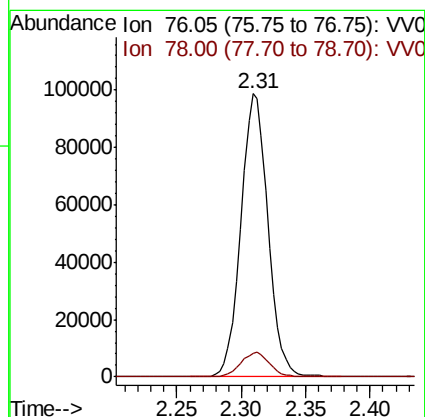
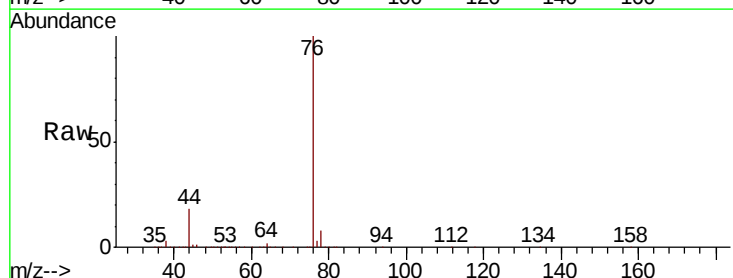
Acq: 17 Jun 2020 11:35

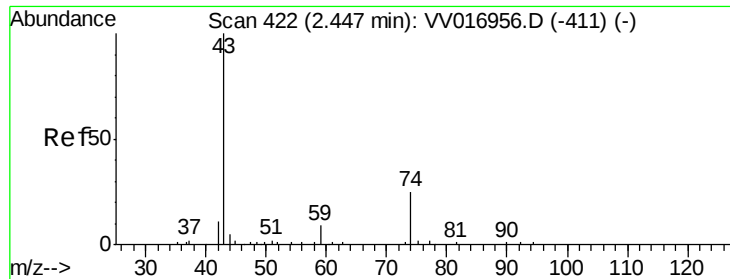
Tgt Ion: 76 Resp: 143762

Ion Ratio Lower Upper

76 100

78 8.5 7.7 11.5





#15

Methvl Acetate

Concen: 4.406 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

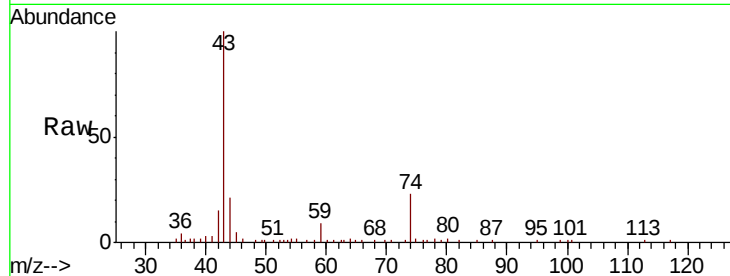
VICV33

Tot Ion: 43 Resp: 17592

Ion Ratio Lower Upper

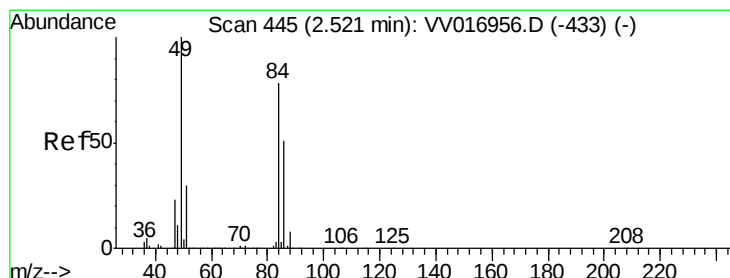
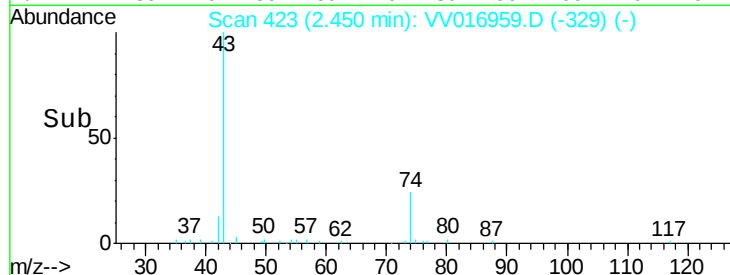
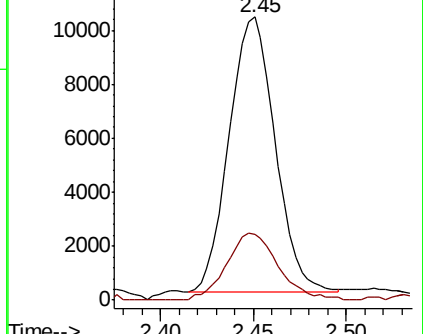
43 100

74 27.3 19.1 28.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.486 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

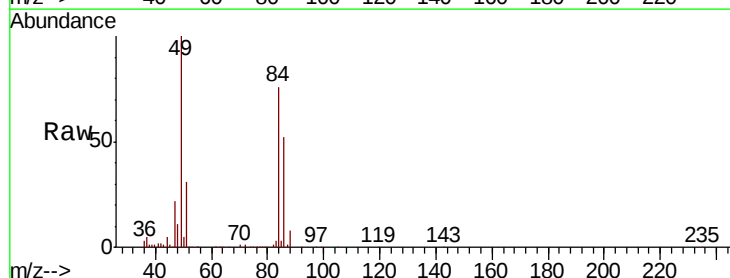
Tgt Ion: 84 Resp: 48703

Ion Ratio Lower Upper

84 100

86 68.1 45.8 85.0

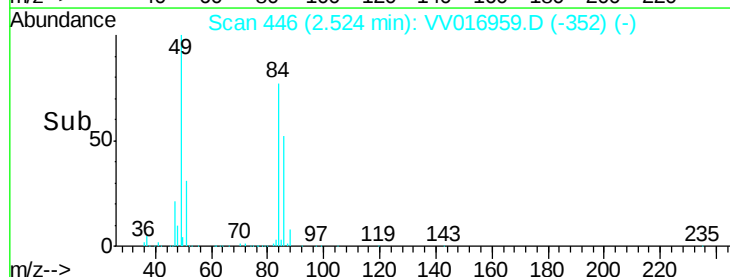
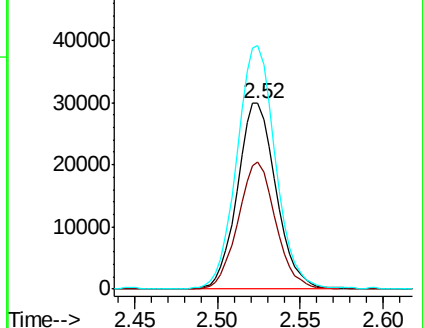
49 131.0 89.6 166.4

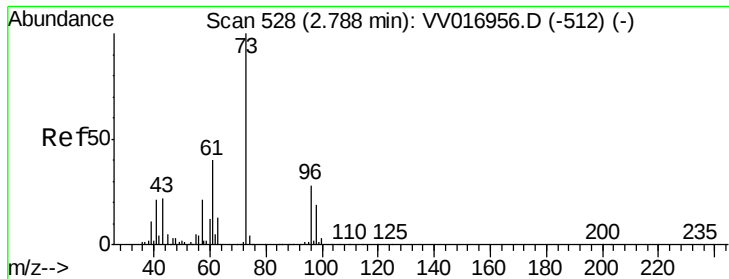


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

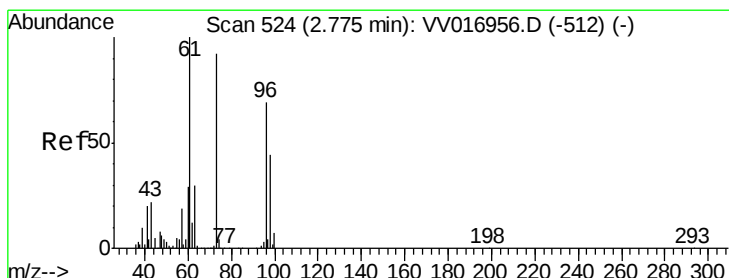
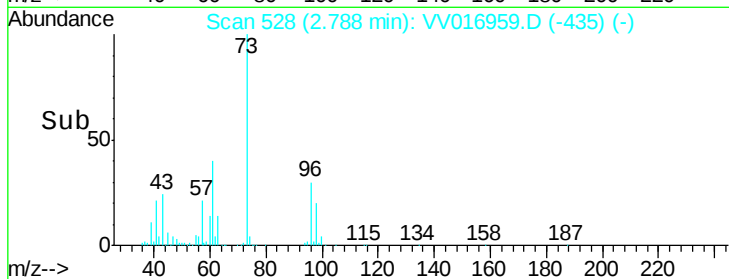
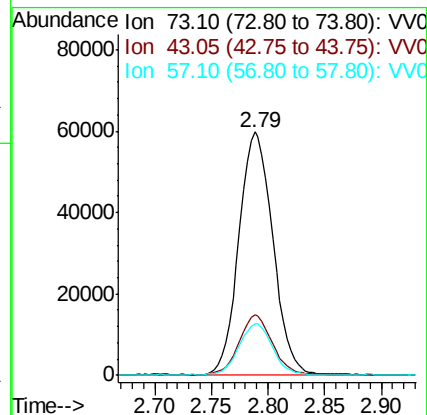
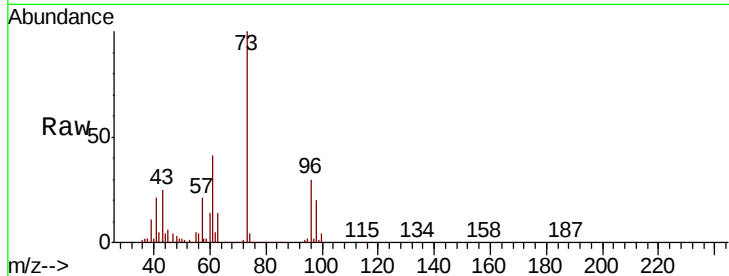




#17
Methvl tert-butvl Ether
Concen: 4.925 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

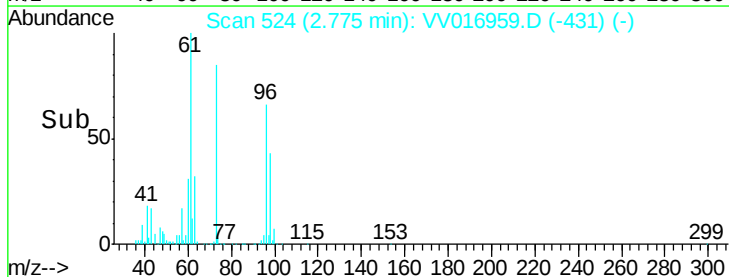
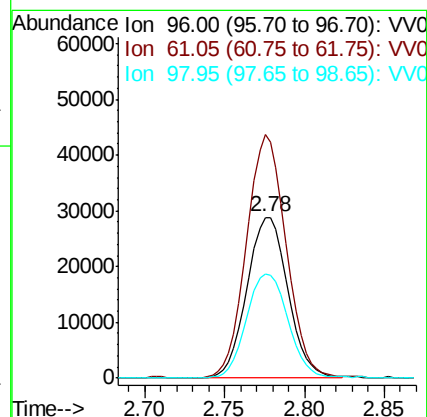
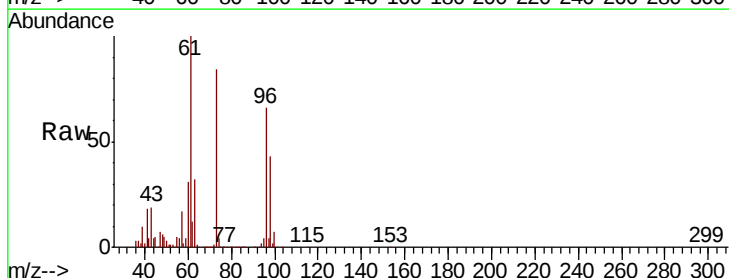
Instrument :
MSVOA_V
ClientSampleId :
VICV33

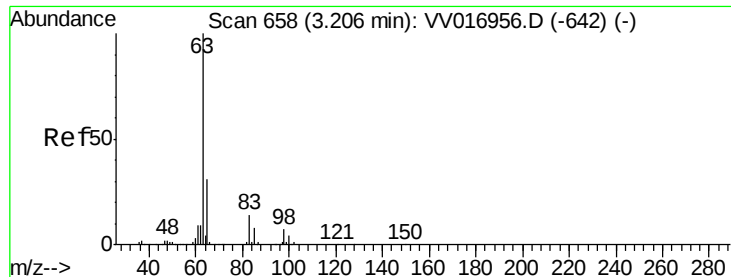
Tot Ion:	73	Resp:	125369
Ion	Ratio	Lower	Upper
73	100		
43	23.7	18.6	28.0
57	21.3	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 4.699 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

Tgt Ion:	96	Resp:	50479
Ion	Ratio	Lower	Upper
96	100		
61	151.6	102.3	189.9
98	65.0	44.7	82.9

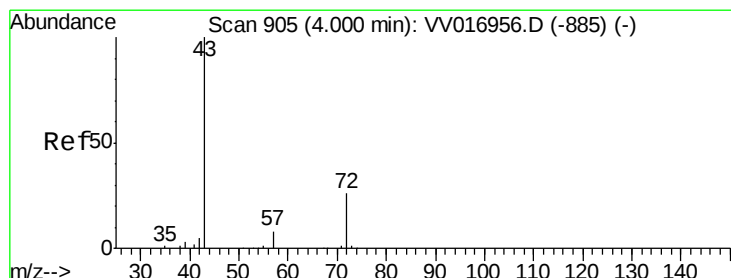
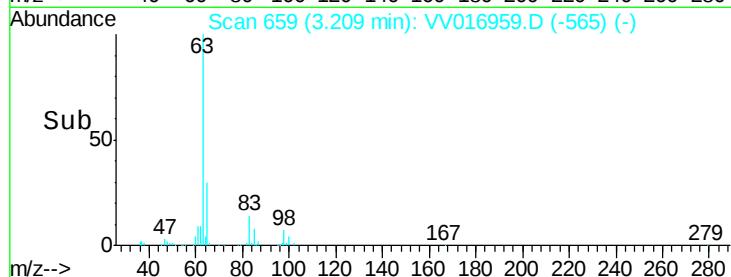
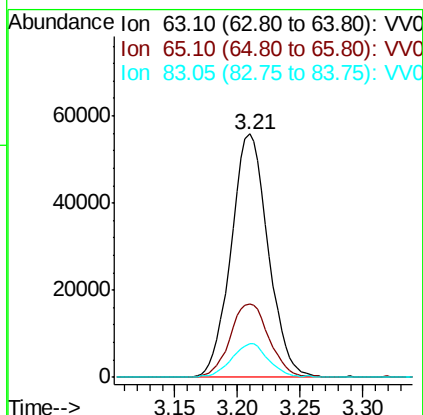
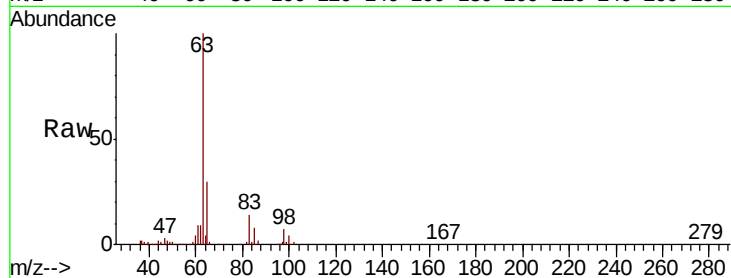




#19
 1,1-Dichloroethane
 Concen: 4.748 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

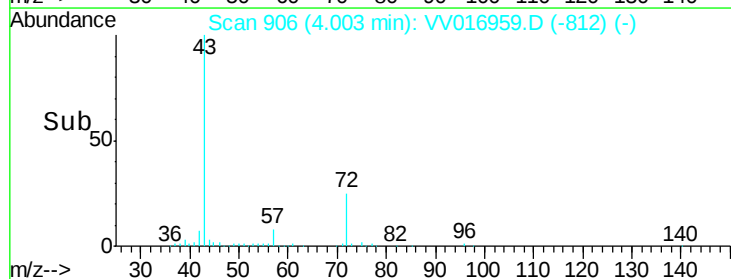
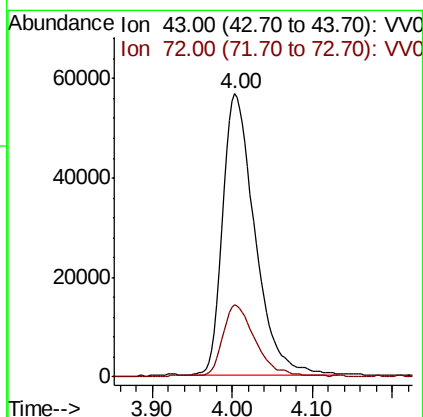
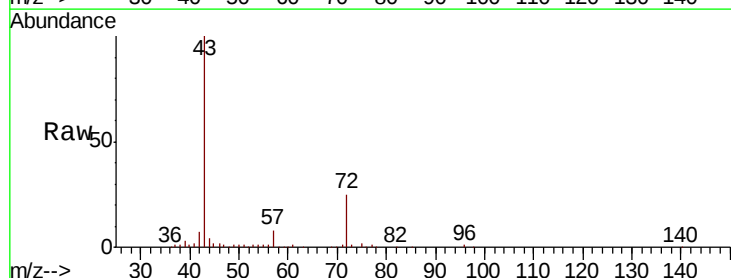
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

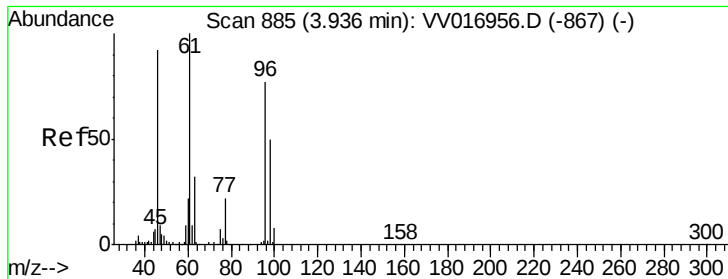
Tot Ion	63	Resp	114592
Ion	Ratio	Lower	Upper
63	100		
65	30.1	21.8	40.4
83	13.7	9.7	17.9



#21
 2-Butanone
 Concen: 50.666 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Tgt Ion	43	Resp	155985
Ion	Ratio	Lower	Upper
43	100		
72	25.2	12.4	37.4



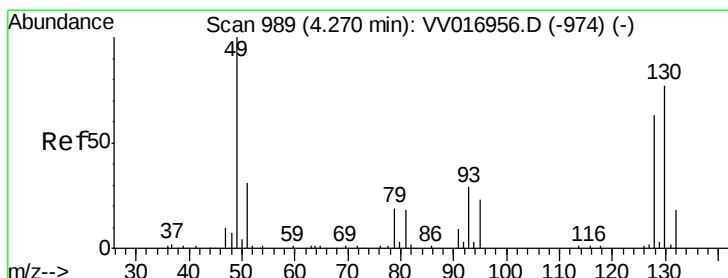
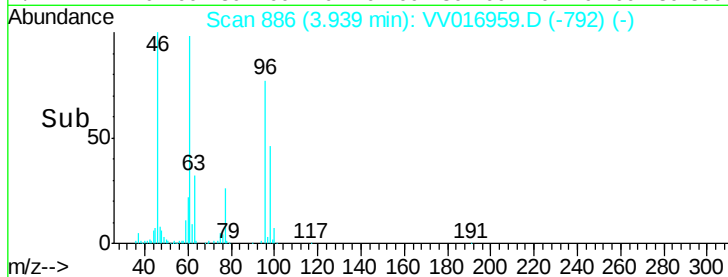
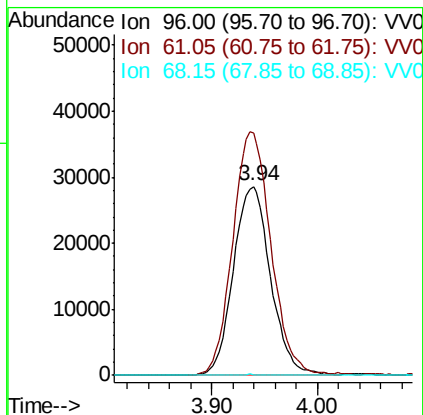
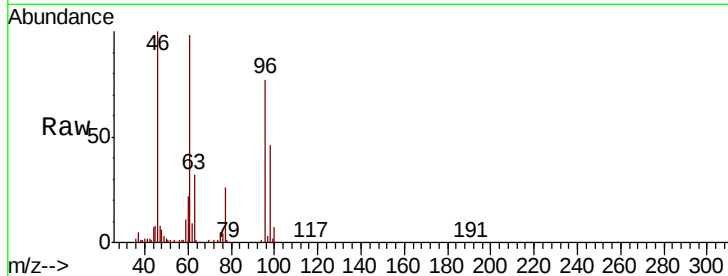


#22

cis-1,2-Dichloroethene
 Concen: 4.770 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

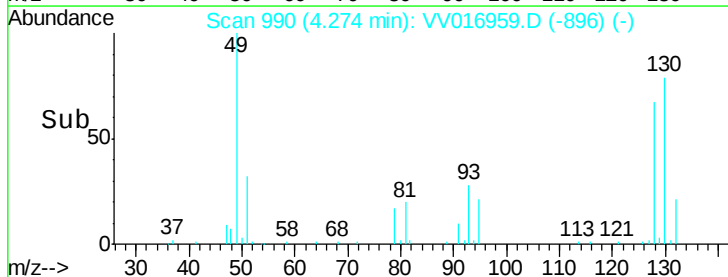
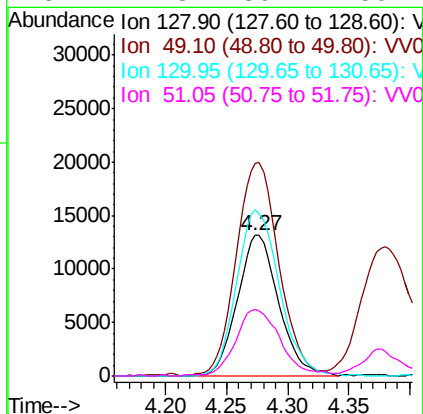
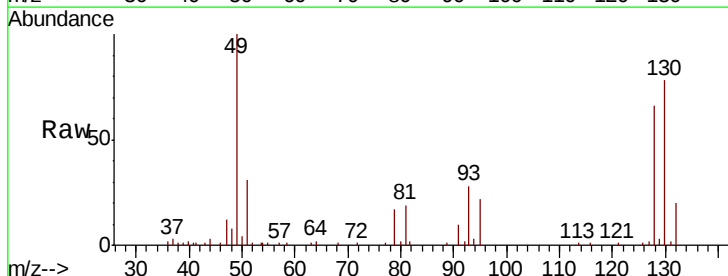
Tot Ion: 96 Resp: 70074
 Ion Ratio Lower Upper
 96 100
 61 128.5 91.0 169.0
 68 0.5 0.0 0.0#

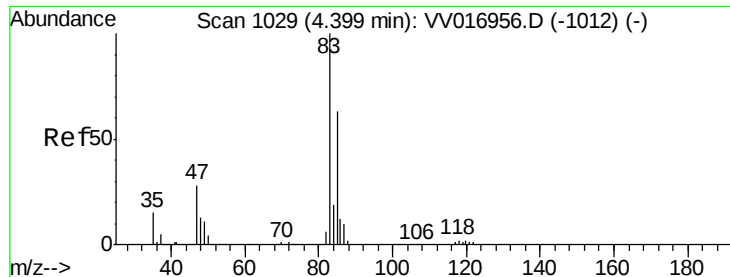


#23

Bromochloromethane
 Concen: 4.939 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Tgt Ion: 128 Resp: 30830
 Ion Ratio Lower Upper
 128 100
 49 151.6 110.8 205.8
 130 118.3 86.0 159.8
 51 47.3 39.4 59.2

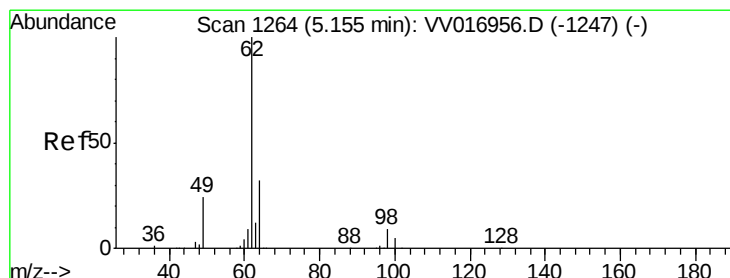
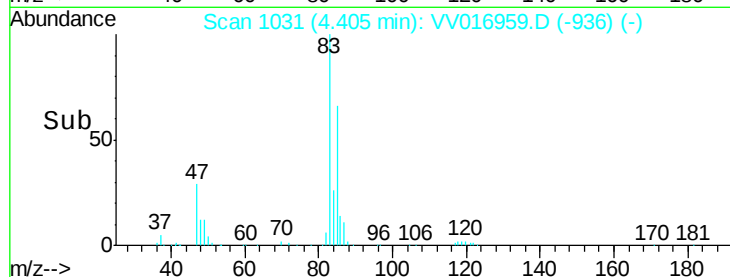
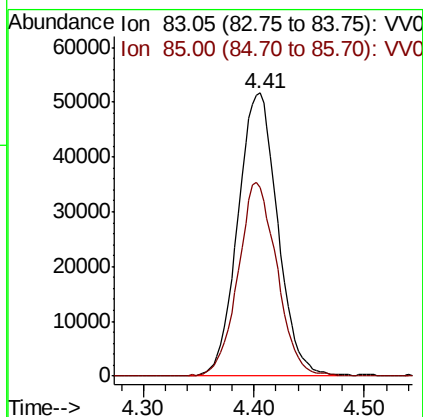
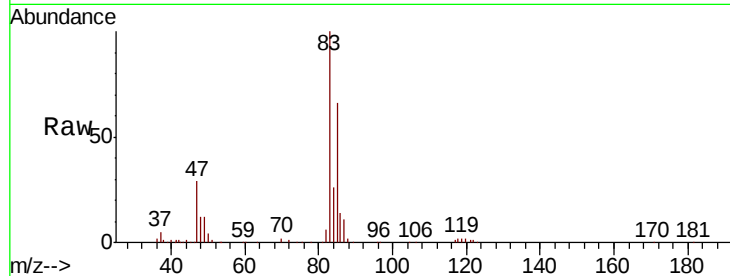




#25
Chloroform
Concen: 4.901 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

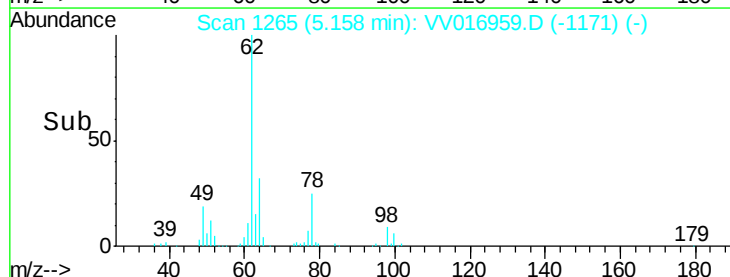
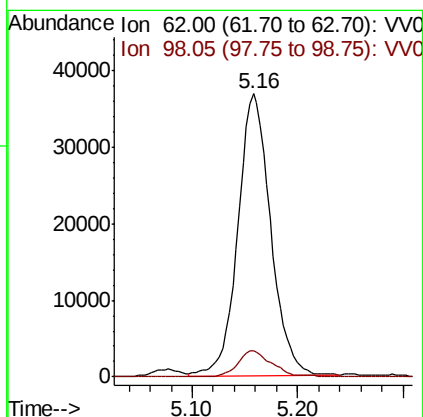
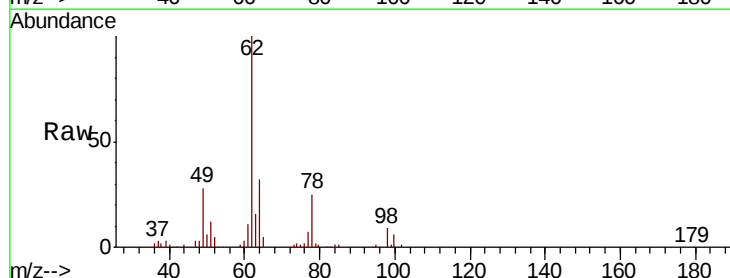
Instrument :
MSVOA_V
ClientSampleId :
VICV33

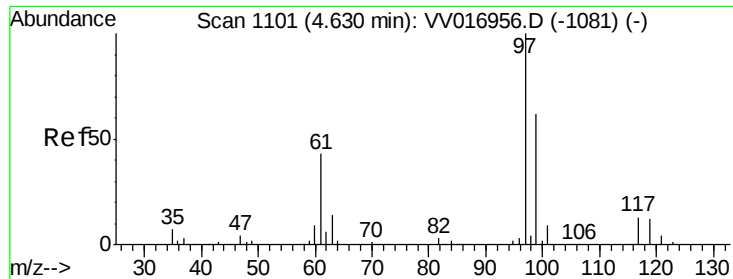
Tot Ion: 83 Resp: 129216
Ion Ratio Lower Upper
83 100
85 66.5 44.2 82.2



#27
1,2-Dichloroethane
Concen: 4.840 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

Tgt Ion: 62 Resp: 79273
Ion Ratio Lower Upper
62 100
98 9.4 6.7 10.1

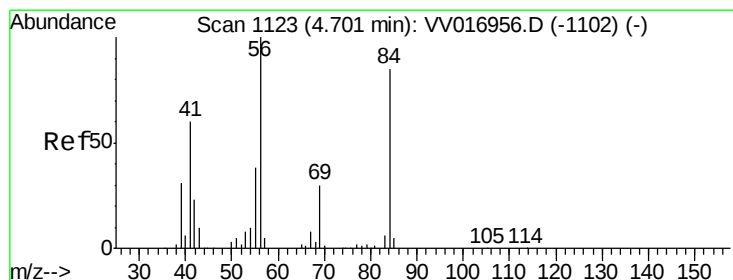
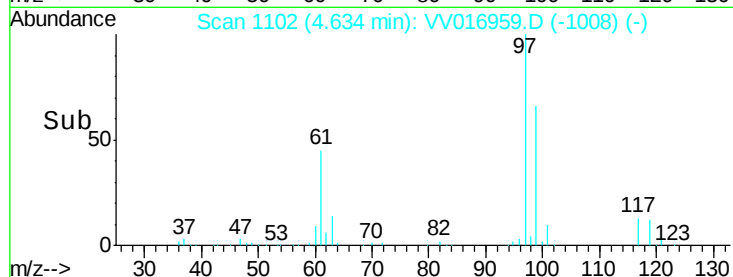
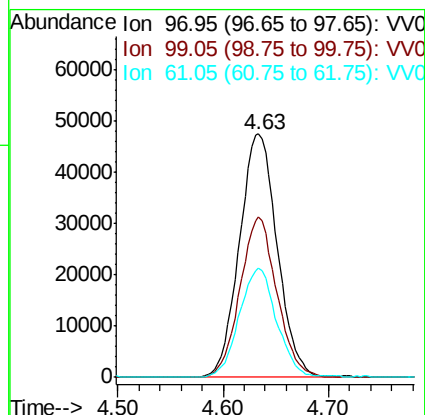
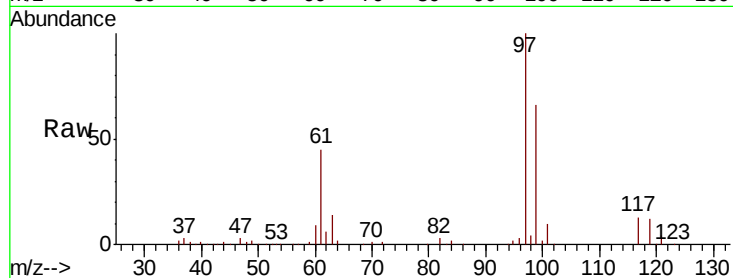




#29
 1,1,1-Trichloroethane
 Concen: 5.025 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

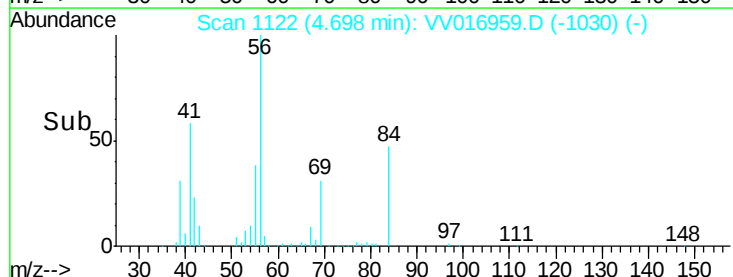
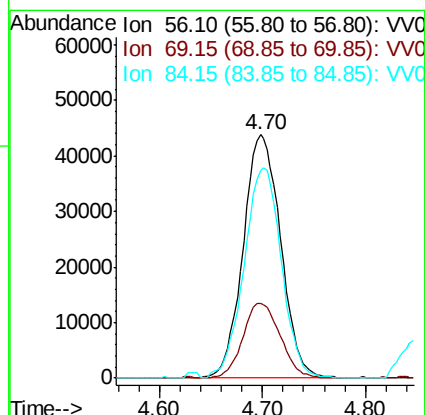
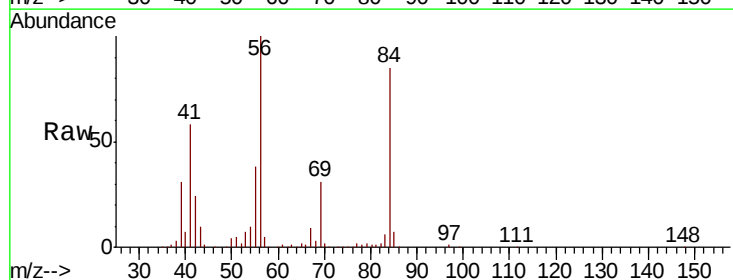
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

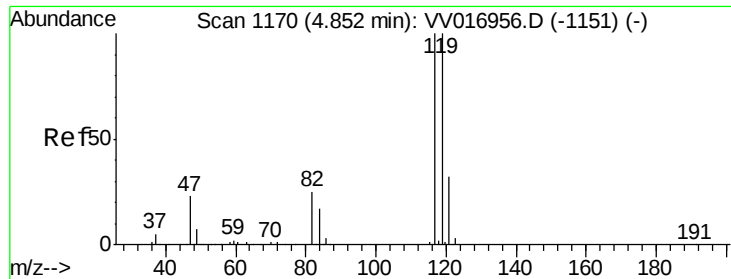
Tot Ion: 97 Resp: 118428
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.3 75.5
 61 44.4 36.0 54.0



#30
 Cyclohexane
 Concen: 4.941 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Tgt Ion: 56 Resp: 110806
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.4 36.6
 84 86.2 69.9 104.9

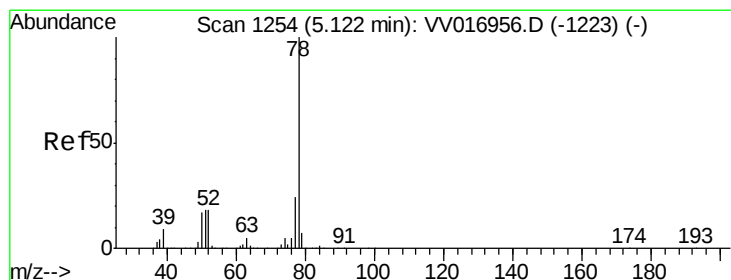
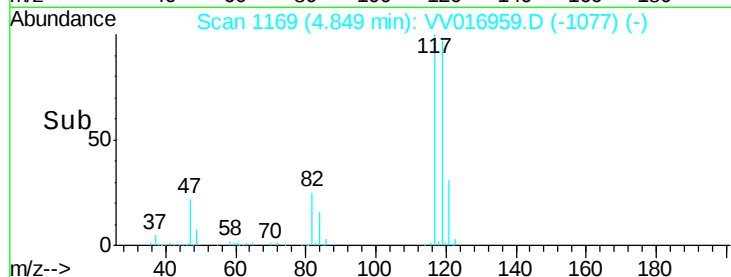
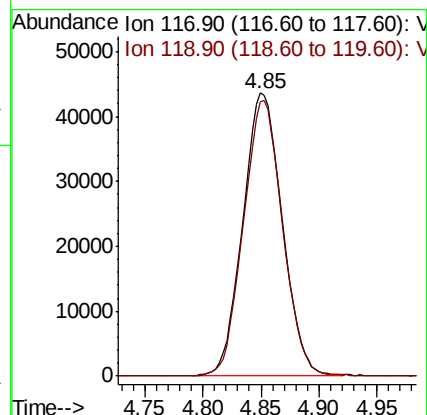
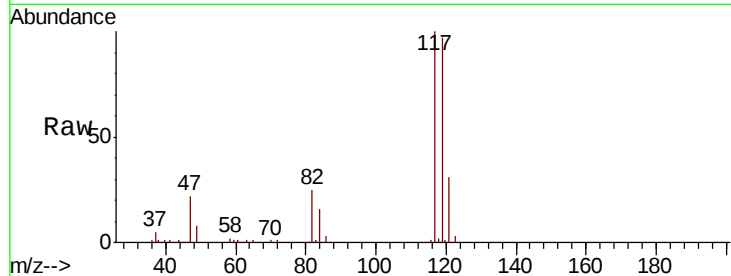




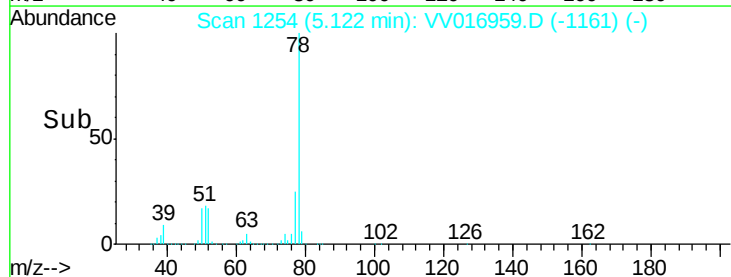
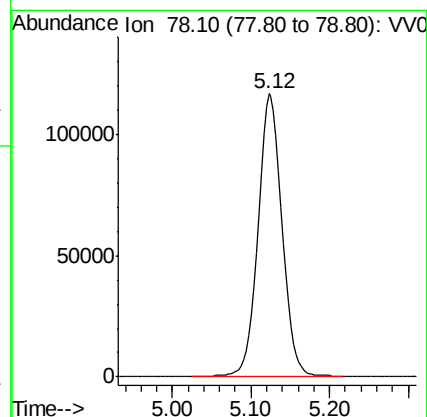
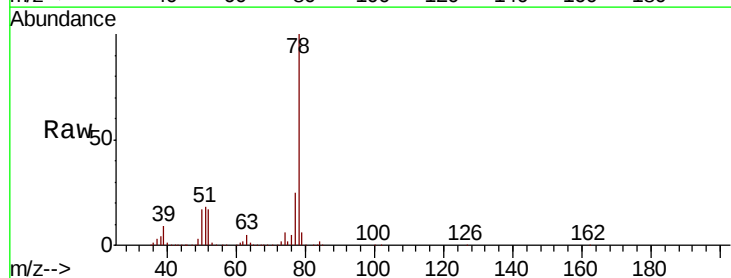
#31
Carbon tetrachloride
Concen: 4.860 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

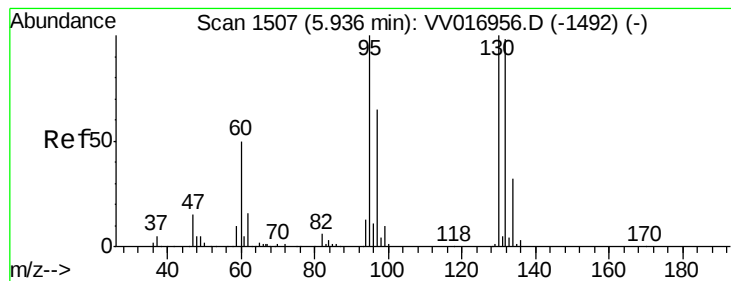
Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tot Ion:117 Resp: 103352
Ion Ratio Lower Upper
117 100
119 96.7 77.8 116.8



#33
Benzene
Concen: 4.964 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35
Tgt Ion: 78 Resp: 255763





#34

Trichloroethene

Concen: 4.815 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

Tot Ion: 95 Resp: 72639

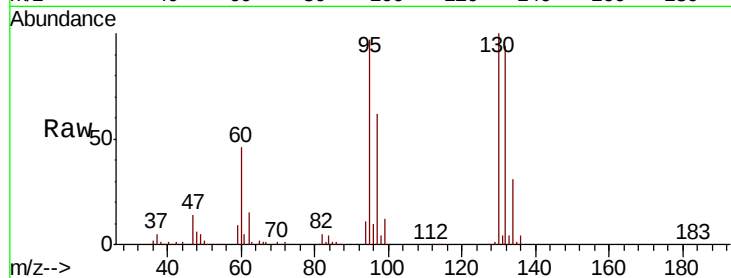
Ion Ratio Lower Upper

95 100

97 64.3 45.3 84.1

132 96.9 68.8 127.8

130 103.4 70.2 130.4



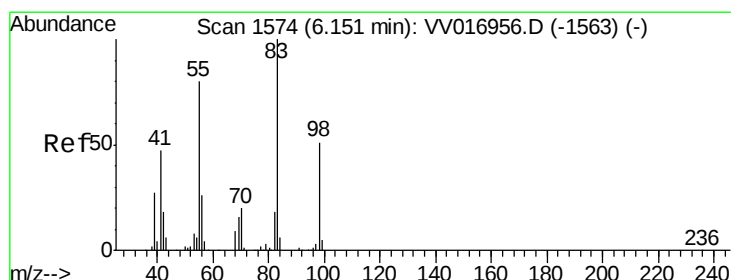
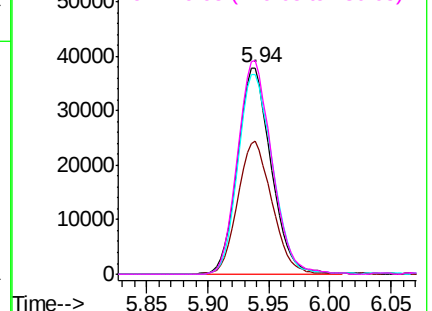
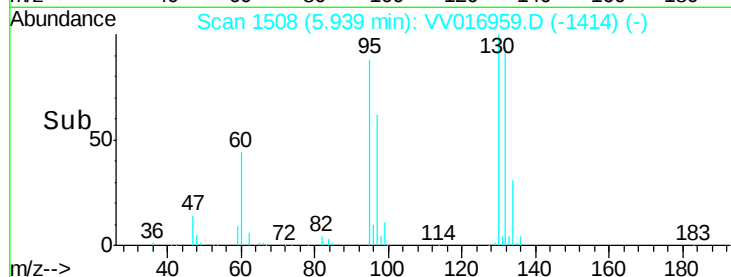
Abundance

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: 4.951 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

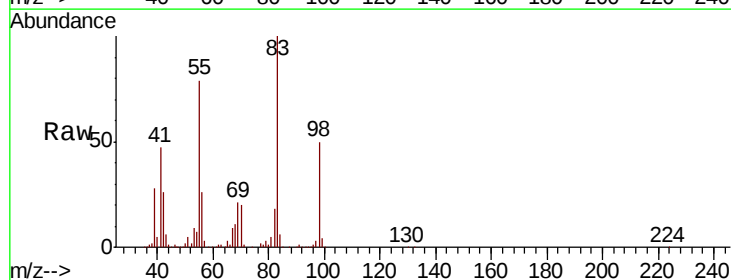
Tgt Ion: 83 Resp: 116096

Ion Ratio Lower Upper

83 100

55 78.2 63.6 95.4

98 49.1 38.8 58.2

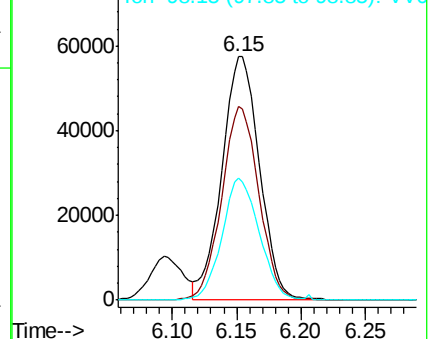
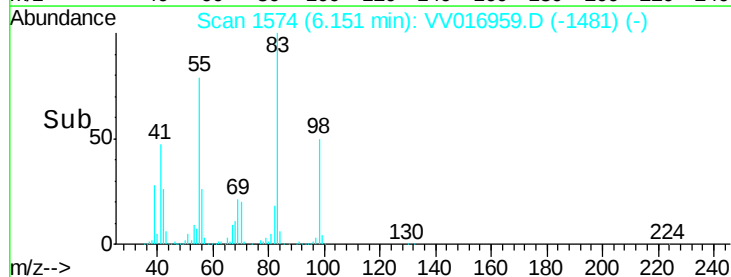


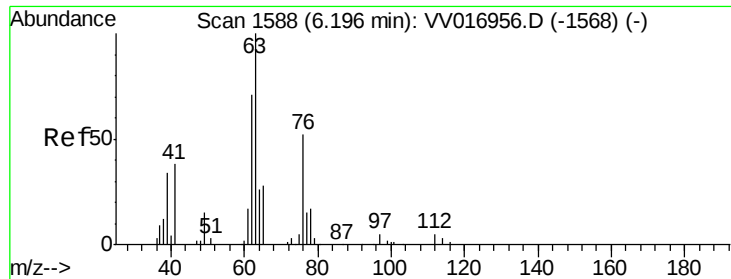
Abundance

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

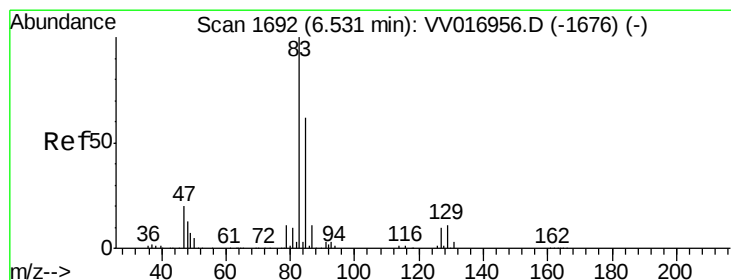
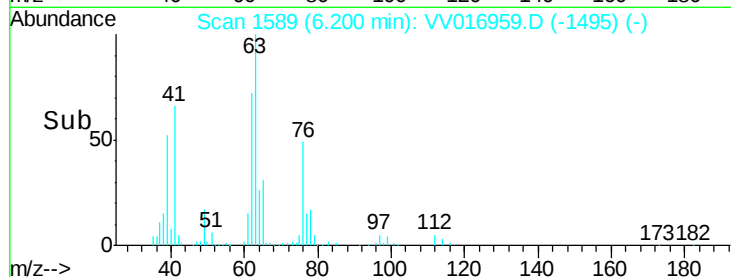
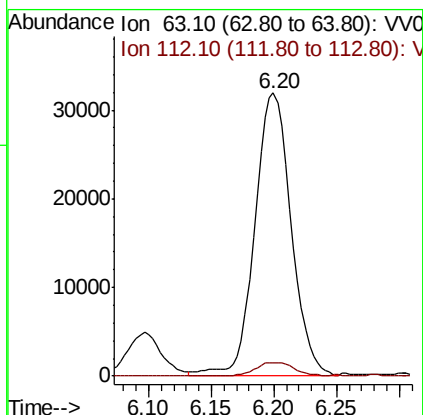
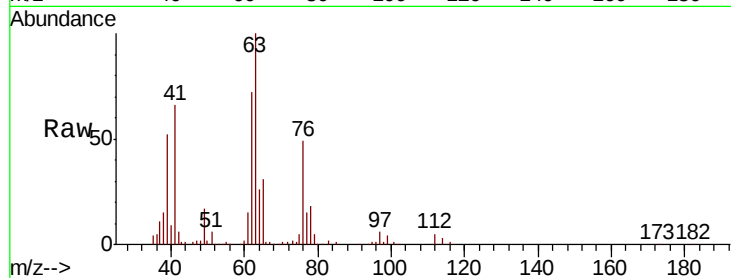




#37
 1,2-Dichloropropane
 Concen: 5.074 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

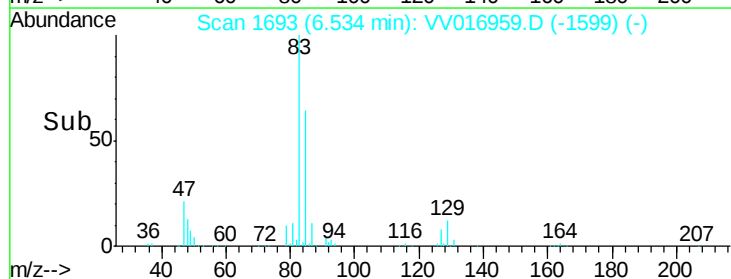
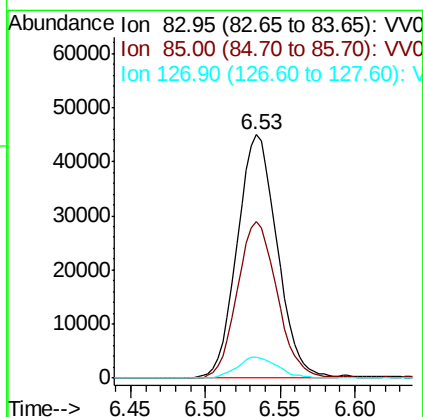
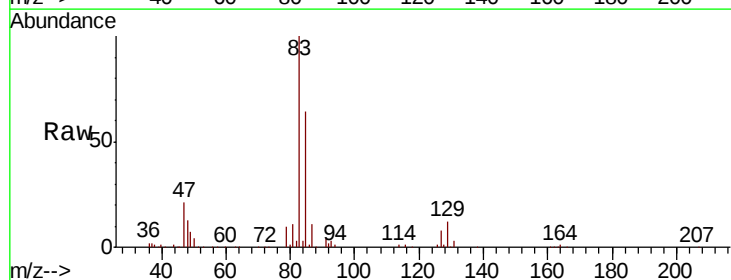
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

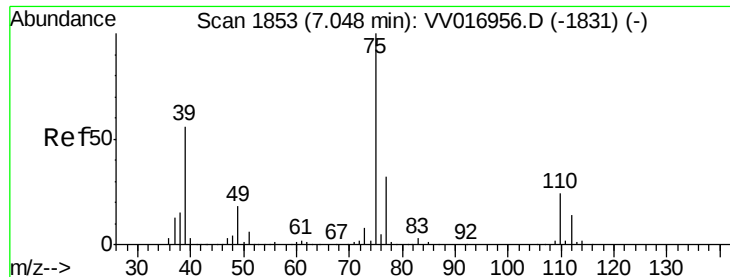
Tot Ion: 63 Resp: 64714
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.833 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Tgt Ion: 83 Resp: 83722
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.4 80.6
 127 8.4 7.9 11.9



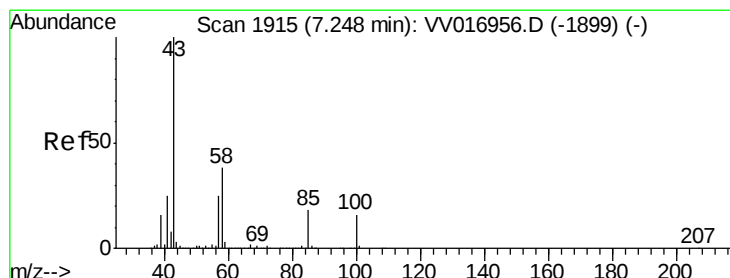
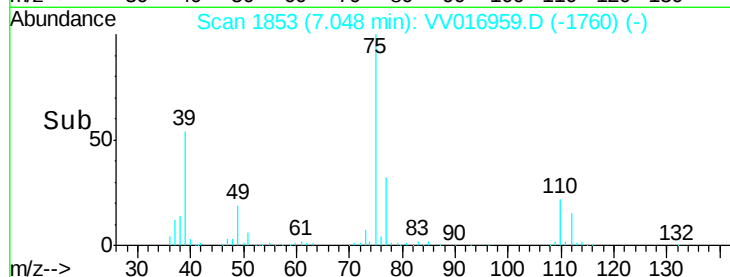
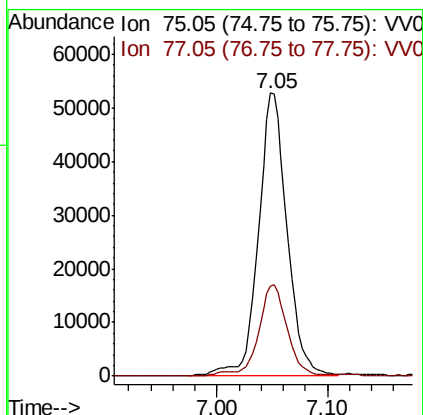
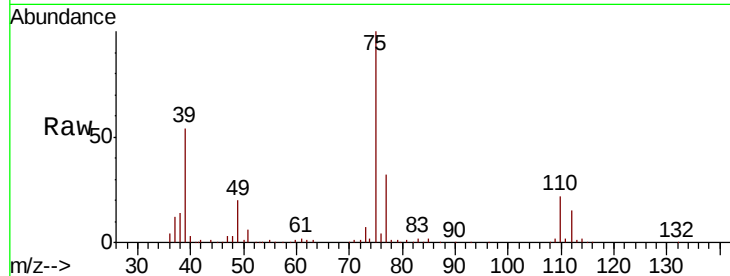


#39

cis-1,3-Dichloropropene
 Concen: 5.024 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

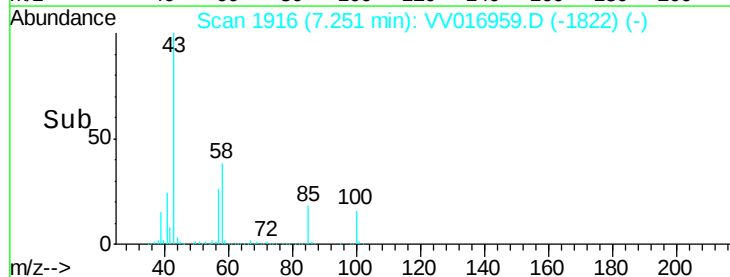
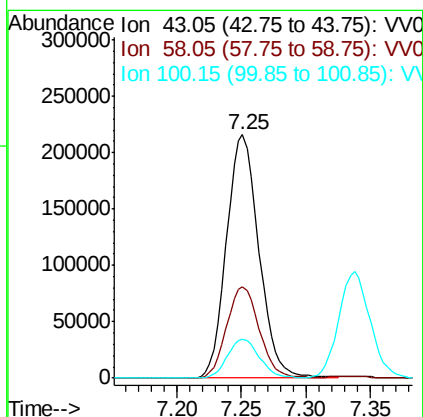
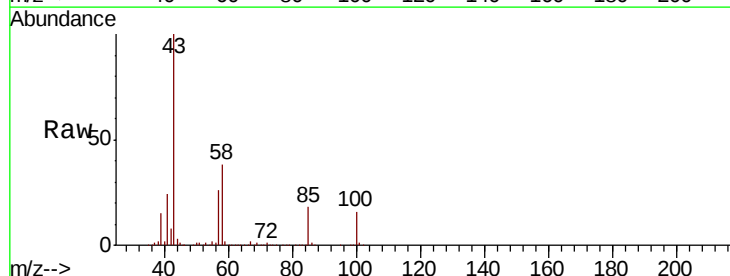
Tot Ion: 75 Resp: 95181
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5

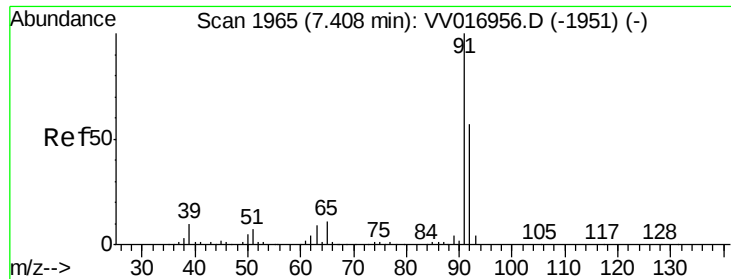


#40

4-Methyl-2-pentanone
 Concen: 51.086 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Tgt Ion: 43 Resp: 376160
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.4 45.6
 100 15.9 12.7 19.1





#42

Toluene

Concen: 4.815 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

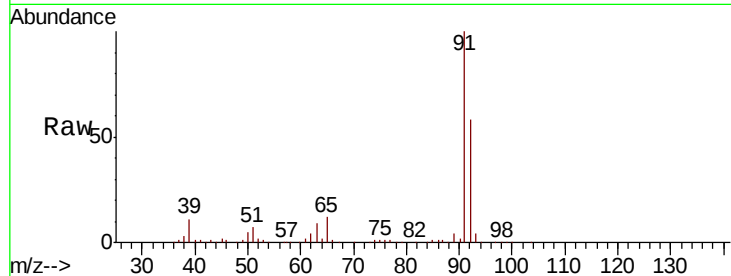
VICV33

Tot Ion: 91 Resp: 288381

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV016956.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016959.D (-1872) (-)

7.41

150000

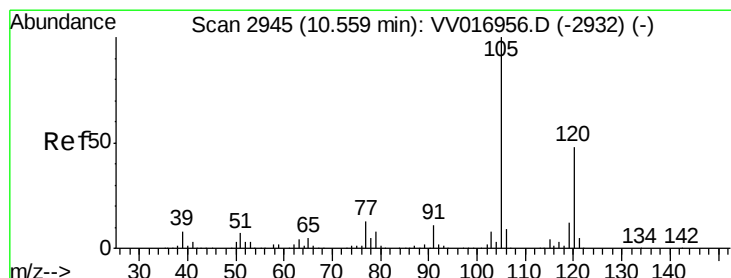
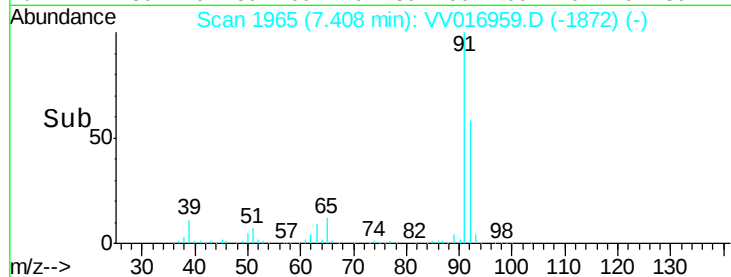
100000

50000

0

Time-->

7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.192 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016959.D

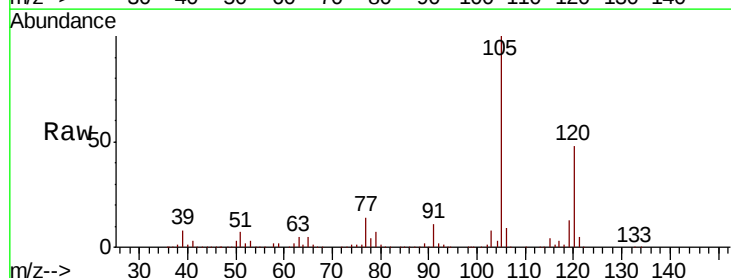
Acq: 17 Jun 2020 11:35

Tgt Ion: 105 Resp: 278084

Ion Ratio Lower Upper

105 100

120 48.1 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV016956.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016959.D (-2323) (-)

10.56

200000

150000

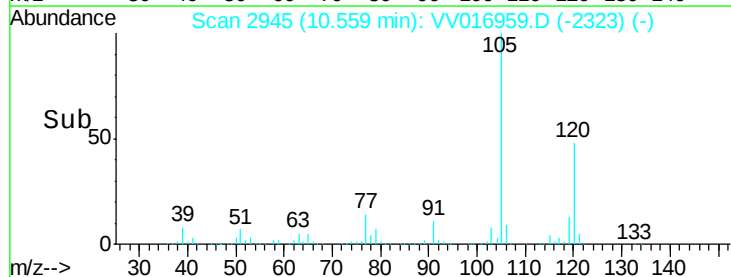
100000

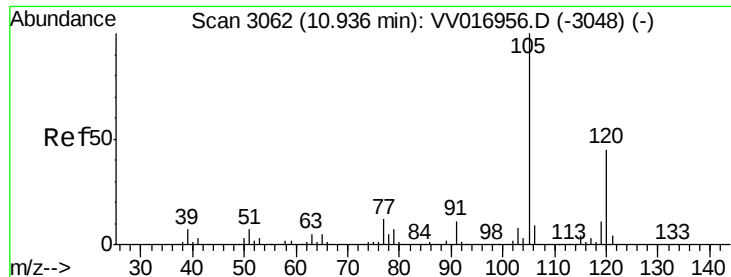
50000

0

Time-->

10.50 10.55 10.60

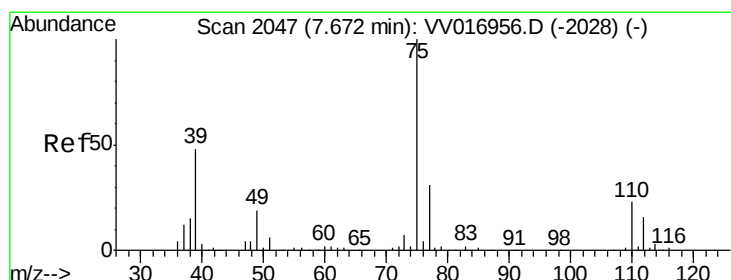
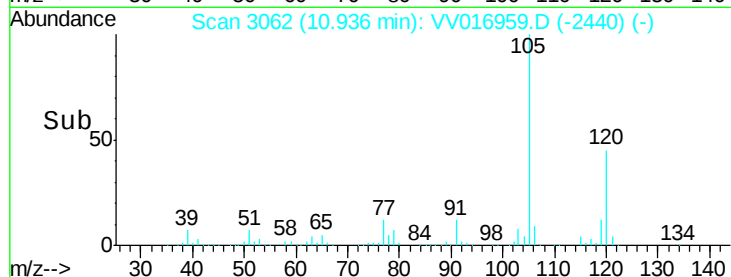
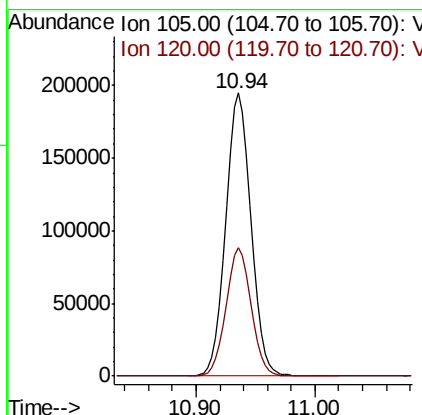
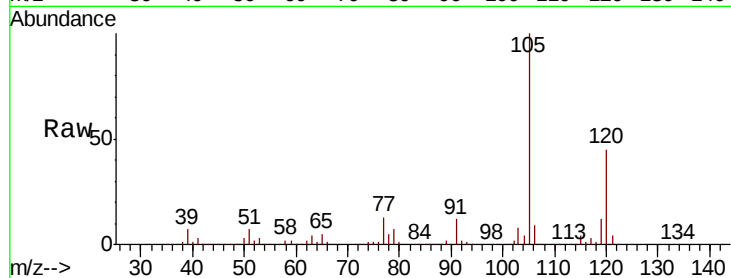




#44
1,2,4-Trimethylbenzene
Concen: 5.253 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

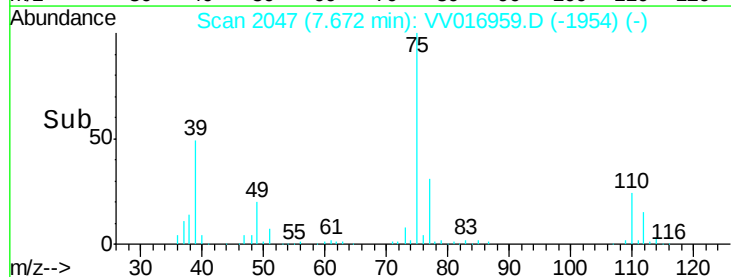
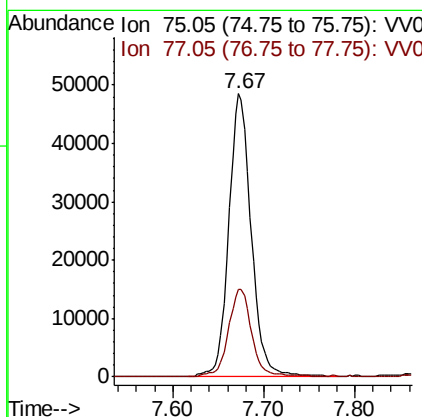
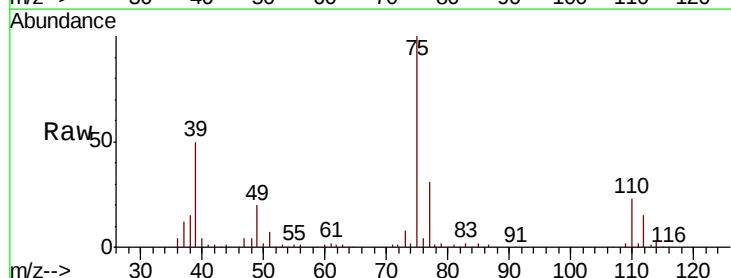
Instrument :
MSVOA_V
ClientSampleId :
VICV33

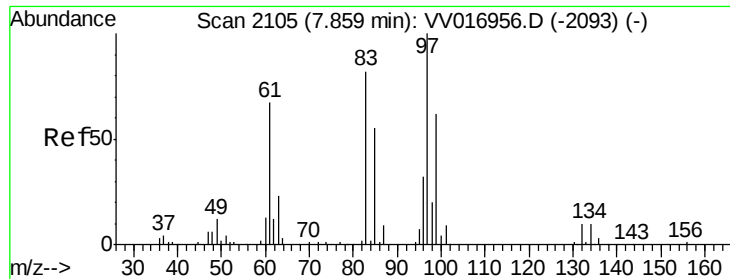
Tot Ion:105 Resp: 286496
Ion Ratio Lower Upper
105 100
120 45.2 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 5.076 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

Tgt Ion: 75 Resp: 83199
Ion Ratio Lower Upper
75 100
77 30.8 22.3 41.3

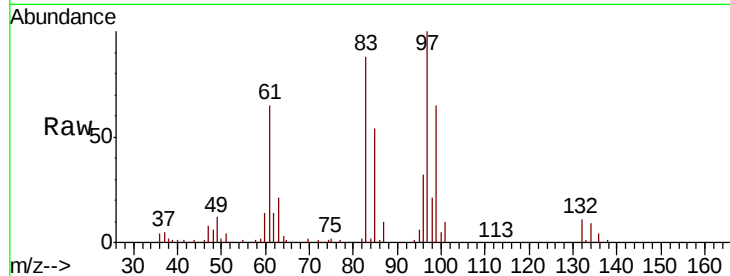




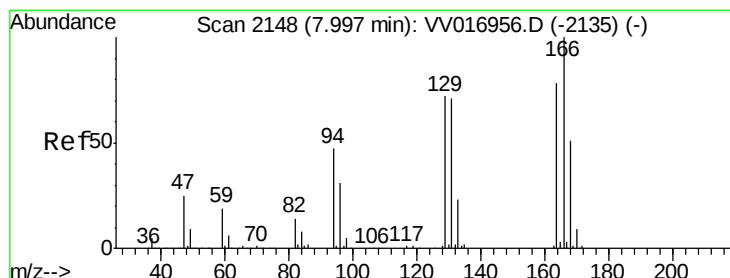
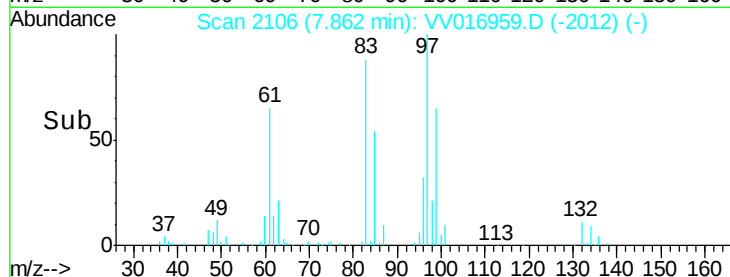
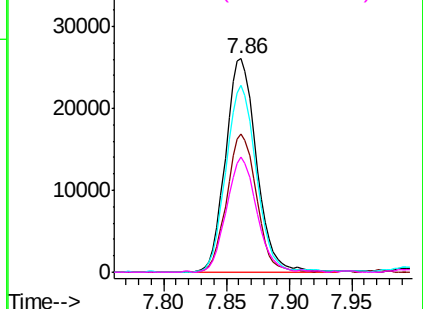
#47
1,1,2-Trichloroethane
Concen: 4.949 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tot Ion:	97	Resp:	44762
Ion	Ratio	Lower	Upper
97	100		
99	64.8	43.6	81.0
83	87.8	57.4	106.6
85	54.0	38.8	72.0

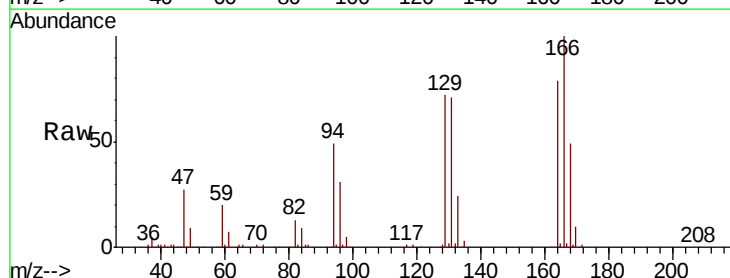


Abundance Ion 96.95 (96.65 to 97.65): VV016959.D (-2093) (-)
Ion 99.05 (98.75 to 99.75): VV016959.D (-2093) (-)
Ion 82.95 (82.65 to 83.65): VV016959.D (-2093) (-)
Ion 85.00 (84.70 to 85.70): VV016959.D (-2093) (-)

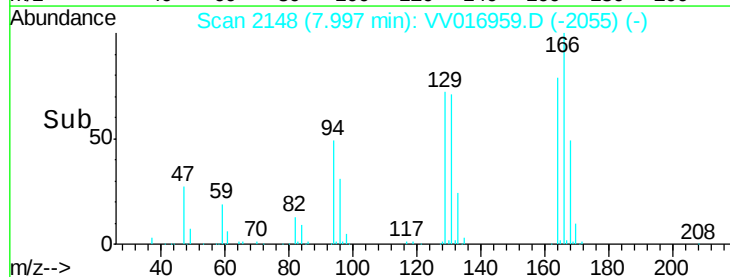
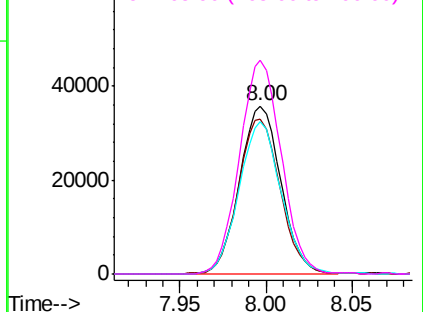


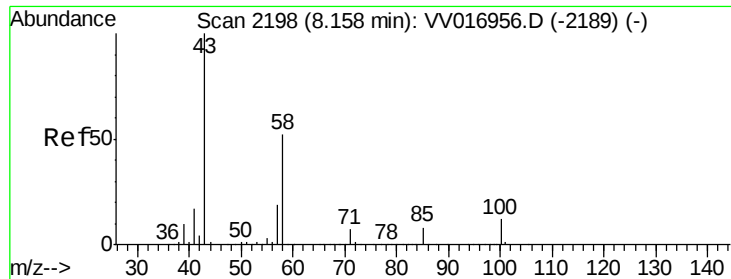
#49
Tetrachloroethene
Concen: 4.915 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

Tgt Ion:	164	Resp:	59682
Ion	Ratio	Lower	Upper
164	100		
129	92.0	65.2	121.0
131	90.7	64.1	119.1
166	127.3	90.2	167.4



Abundance Ion 163.90 (163.60 to 164.60): VV016959.D (-2055) (-)
Ion 128.95 (128.65 to 129.65): VV016959.D (-2055) (-)
Ion 130.95 (130.65 to 131.65): VV016959.D (-2055) (-)
Ion 165.90 (165.60 to 166.60): VV016959.D (-2055) (-)

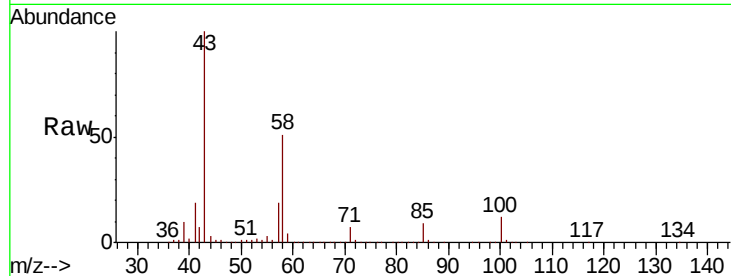




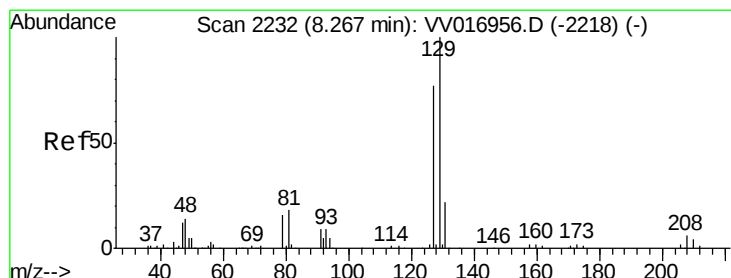
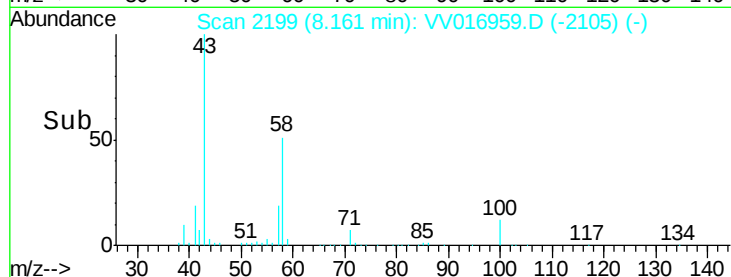
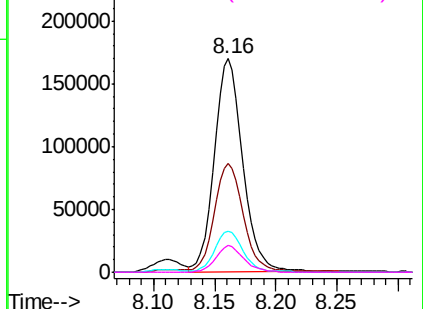
#50
2-Hexanone
Concen: 53.082 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tot Ion: 43 Resp: 278158
Ion Ratio Lower Upper
43 100
58 51.6 41.6 62.4
57 19.0 15.4 23.0
100 12.4 10.1 15.1

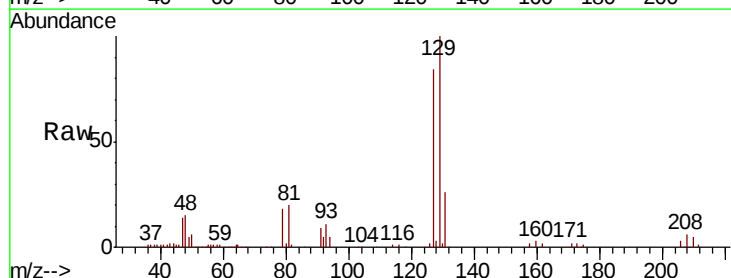


Abundance Ion 43.05 (42.75 to 43.75): VV016959.D (-2105) (-)
Ion 58.05 (57.75 to 58.75): VV016959.D (-2105) (-)
Ion 57.20 (56.90 to 57.90): VV016959.D (-2105) (-)
Ion 100.15 (99.85 to 100.85): VV016959.D (-2105) (-)

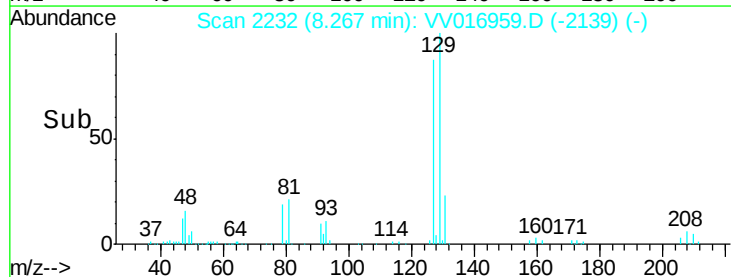
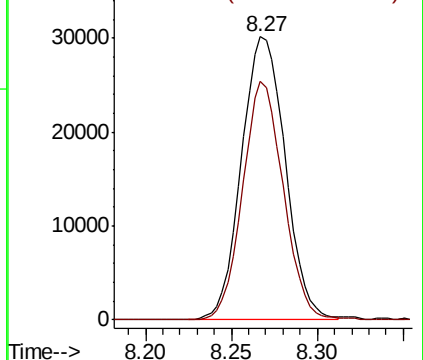


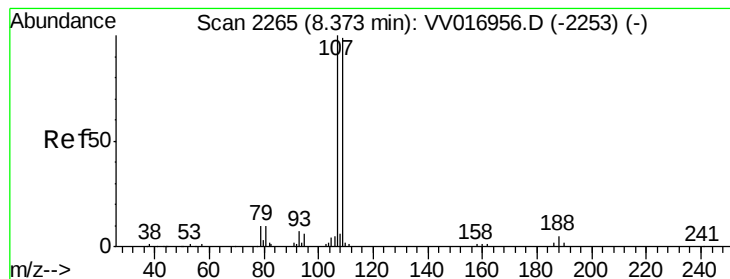
#51
Dibromochloromethane
Concen: 4.871 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016959.D
Acq: 17 Jun 2020 11:35

Tgt Ion: 129 Resp: 53410
Ion Ratio Lower Upper
129 100
127 84.2 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV016959.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016959.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 5.200 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

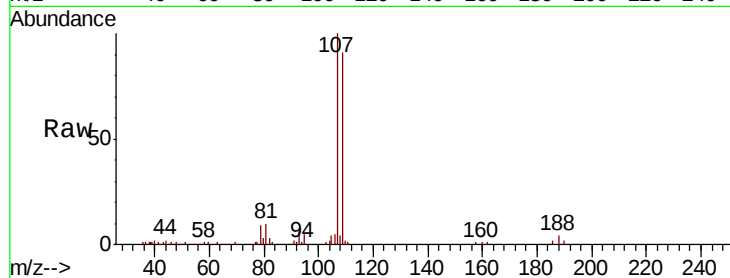
Tot Ion:107 Resp: 44611

Ion Ratio Lower Upper

107 100

109 90.6 69.4 128.8

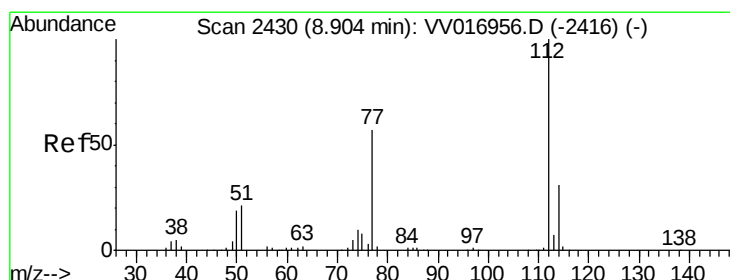
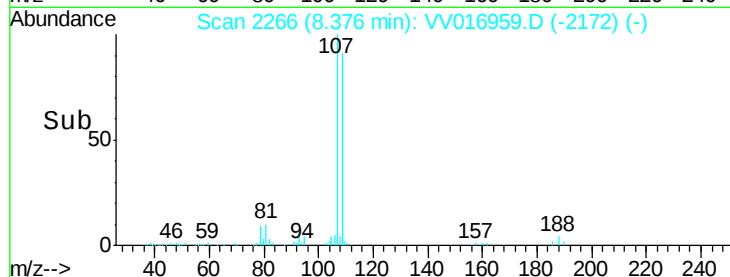
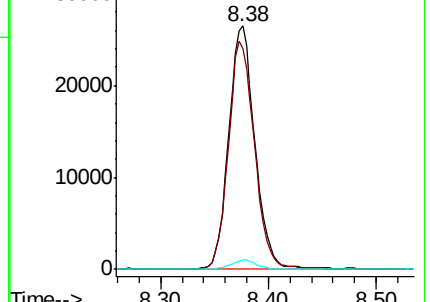
188 3.7 3.9 5.9#



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: 5.017 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

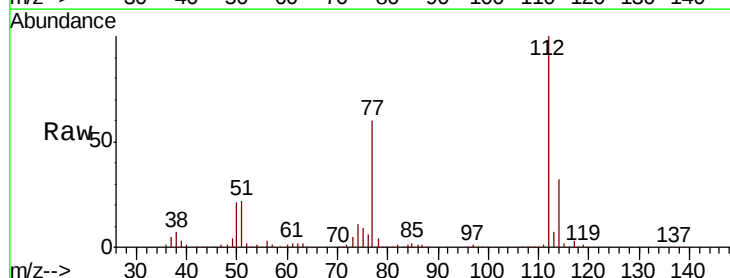
Tgt Ion:112 Resp: 187334

Ion Ratio Lower Upper

112 100

114 31.6 22.0 41.0

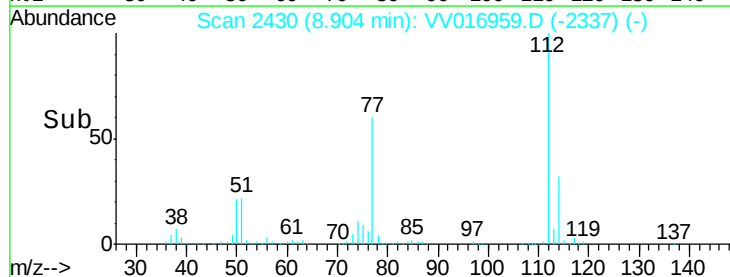
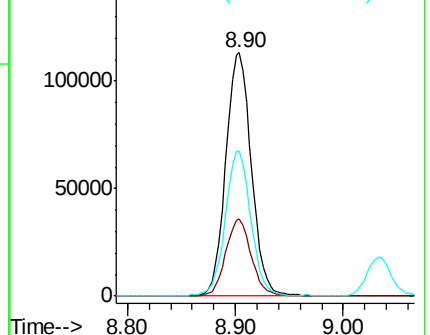
77 59.5 46.0 69.0

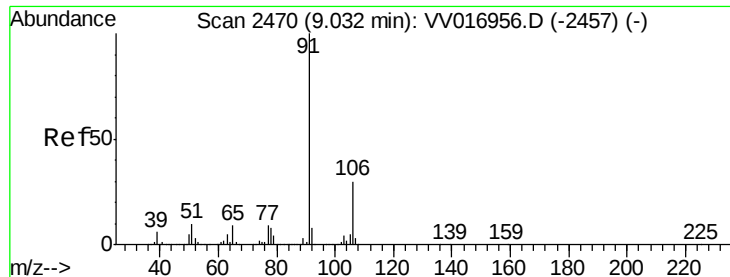


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 5.095 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

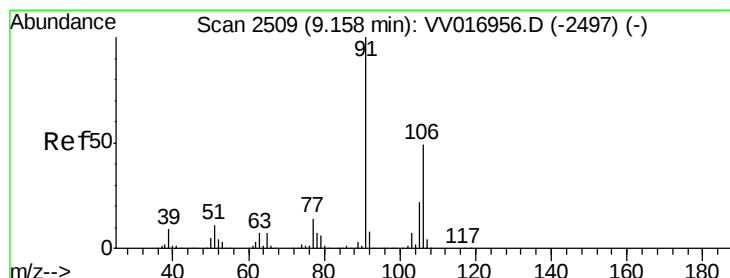
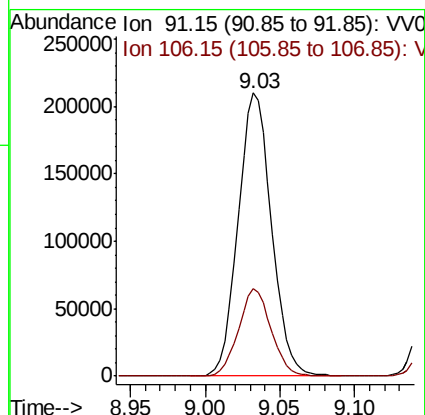
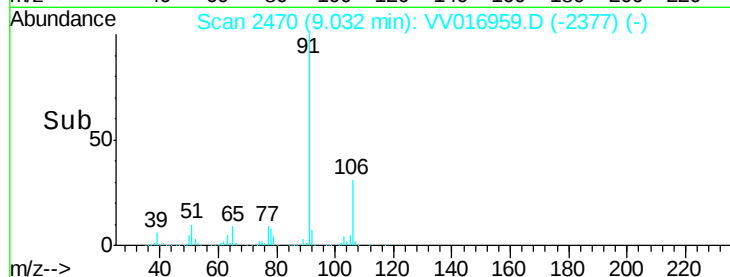
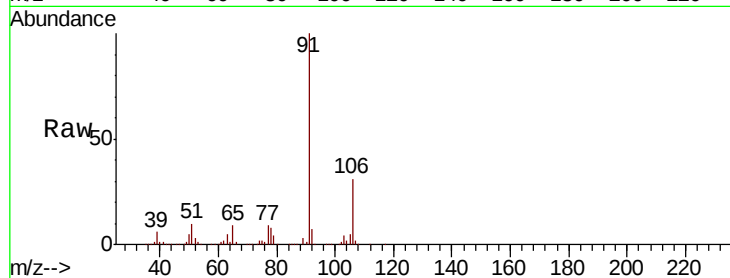
VICV33

Tot Ion: 91 Resp: 325777

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



#55

m,p-xylene

Concen: 4.890 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016959.D

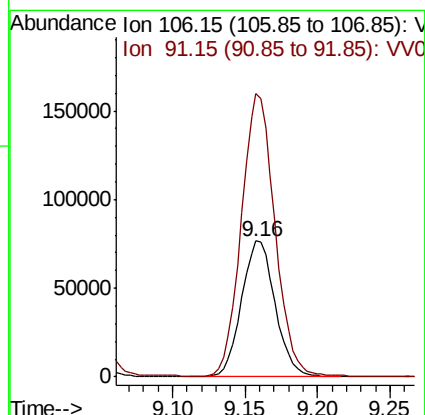
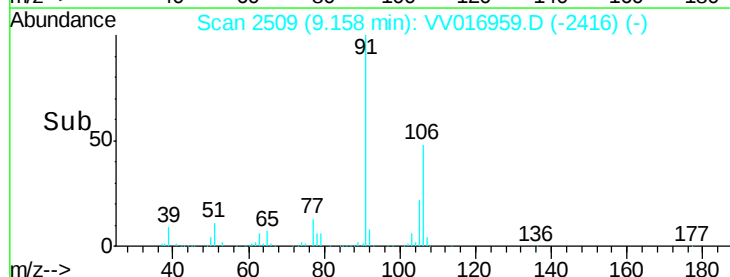
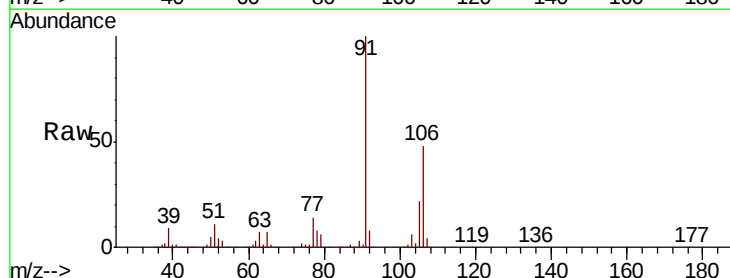
Acq: 17 Jun 2020 11:35

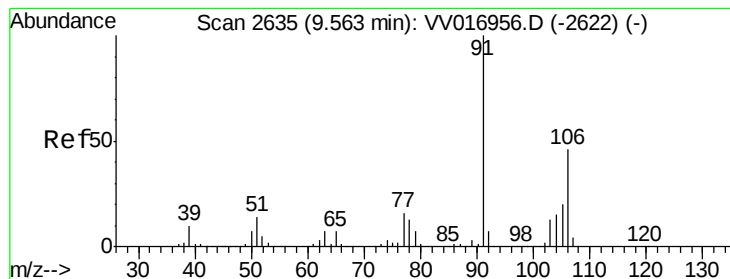
Tgt Ion: 106 Resp: 122632

Ion Ratio Lower Upper

106 100

91 208.4 142.7 264.9





#56

o-xylene

Concen: 5.014 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

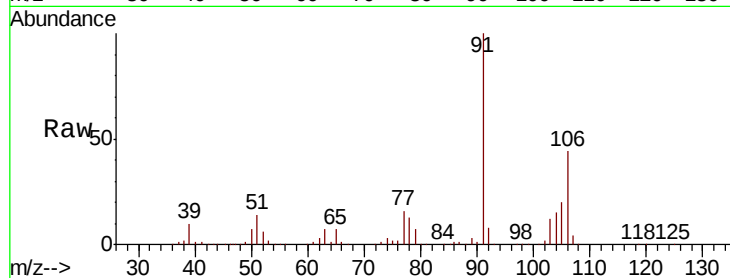
VICV33

Tot Ion:106 Resp: 117324

Ion Ratio Lower Upper

106 100

91 226.5 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

200000

150000

100000

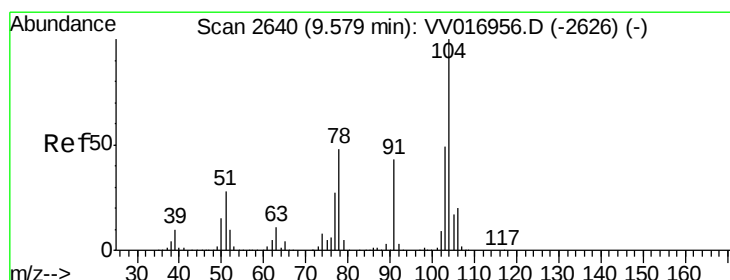
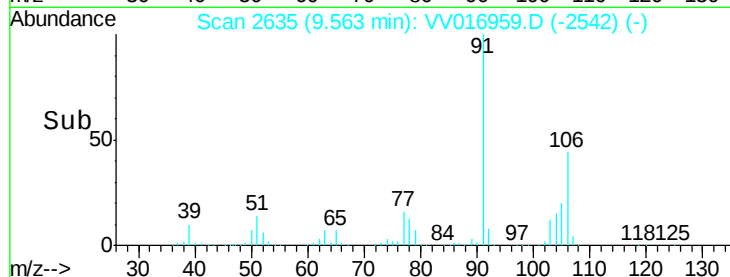
50000

0

9.56

9.55 9.56 9.57 9.58 9.59 9.60 9.61 9.62 9.63 9.64 9.65

Time-->



#57

Styrene

Concen: 5.256 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016959.D

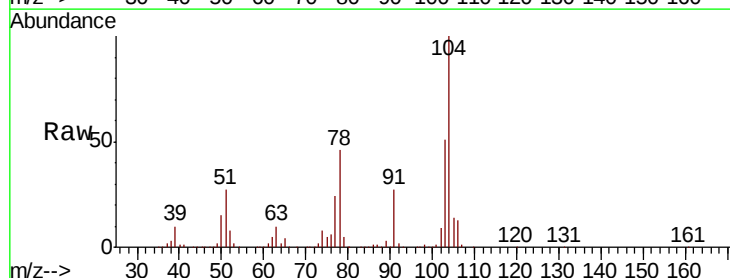
Acq: 17 Jun 2020 11:35

Tgt Ion:104 Resp: 203805

Ion Ratio Lower Upper

104 100

78 45.9 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

150000

100000

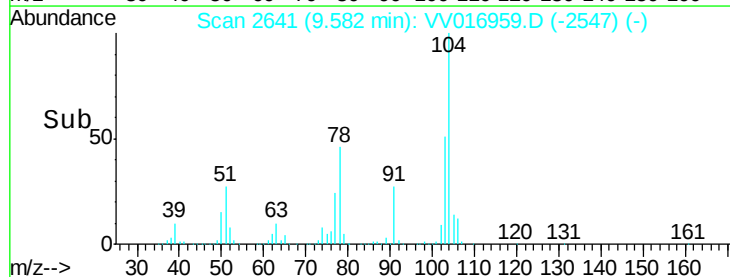
50000

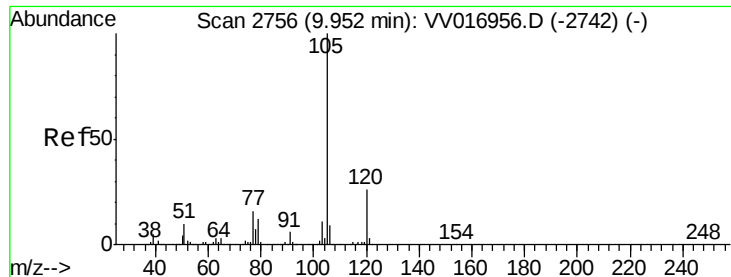
0

9.58

9.57 9.58 9.59 9.60 9.61 9.62 9.63 9.64 9.65 9.66 9.67 9.68 9.69 9.70 9.71 9.72 9.73 9.74 9.75 9.76 9.77 9.78 9.79 9.80 9.81 9.82 9.83 9.84 9.85 9.86 9.87 9.88 9.89 9.90 9.91 9.92 9.93 9.94 9.95 9.96 9.97 9.98 9.99 10.00

Time-->





#58

Isopropylbenzene

Concen: 5.137 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

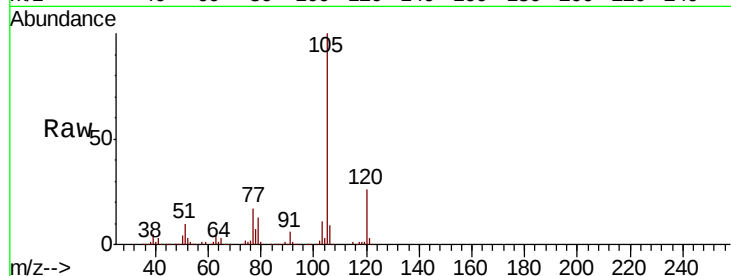
Tot Ion:105 Resp: 330782

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

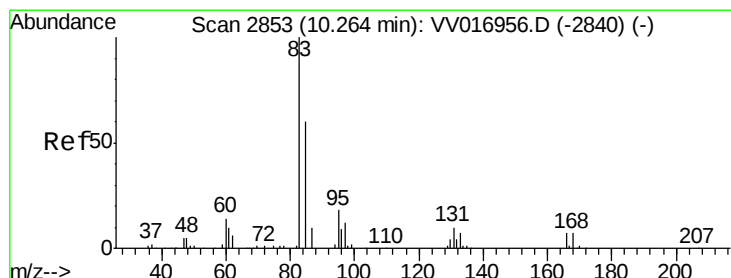
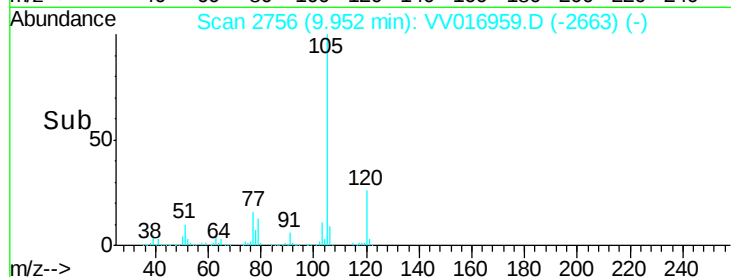
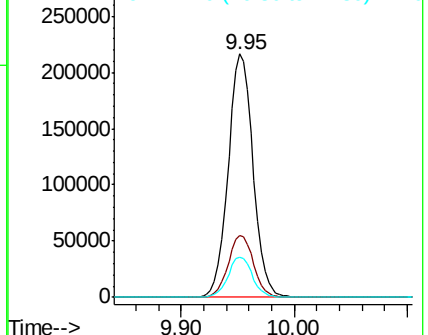
77 16.3 13.0 19.4



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: 5.067 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

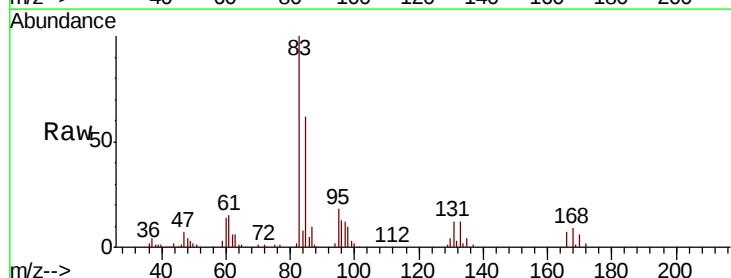
Tgt Ion: 83 Resp: 47409

Ion Ratio Lower Upper

83 100

85 61.6 42.9 79.7

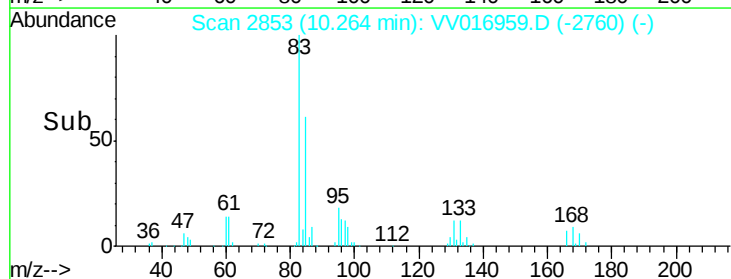
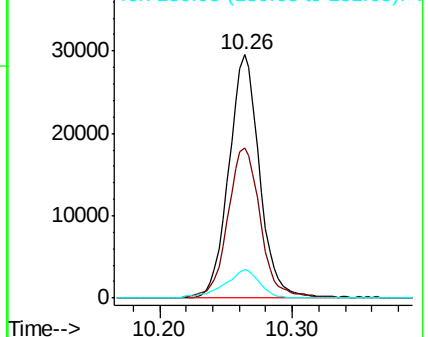
131 11.9 8.6 13.0

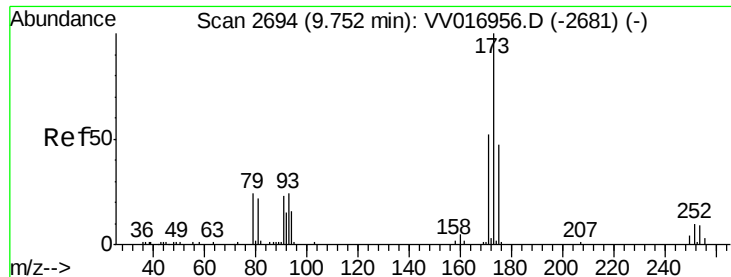


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.843 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

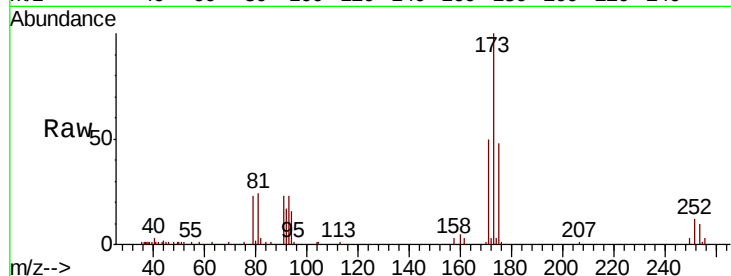
Tot Ion:173 Resp: 27428

Ion Ratio Lower Upper

173 100

175 47.8 39.4 59.2

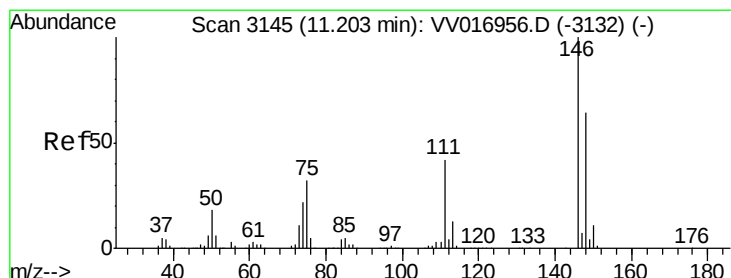
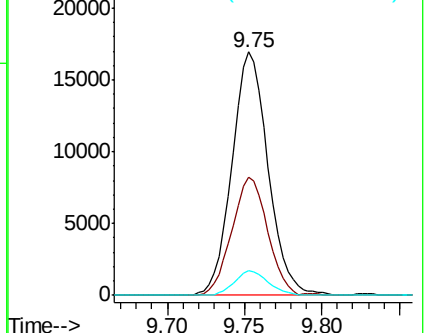
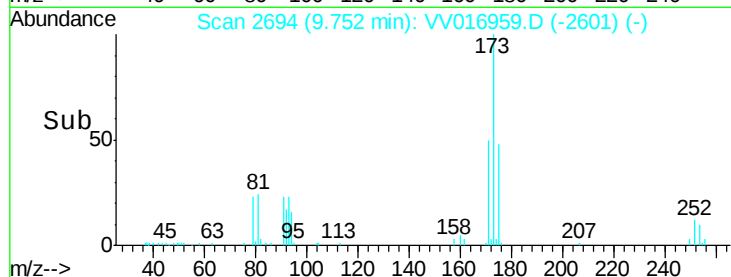
254 9.3 7.4 11.2



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: 5.040 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

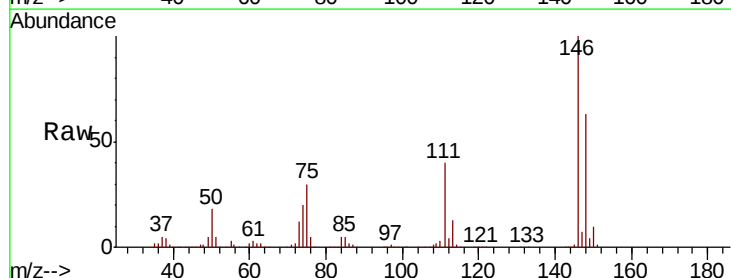
Tgt Ion:146 Resp: 160643

Ion Ratio Lower Upper

146 100

111 40.0 29.2 54.2

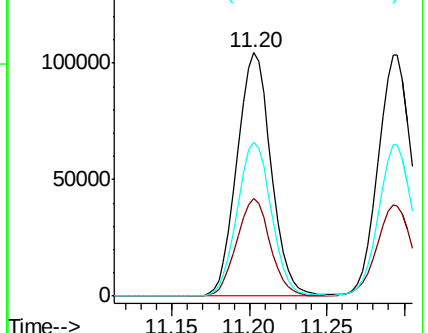
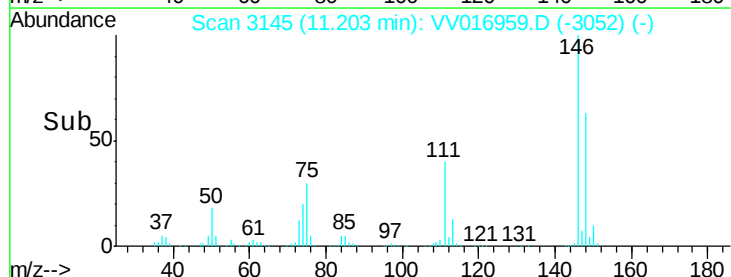
148 63.2 44.9 83.5

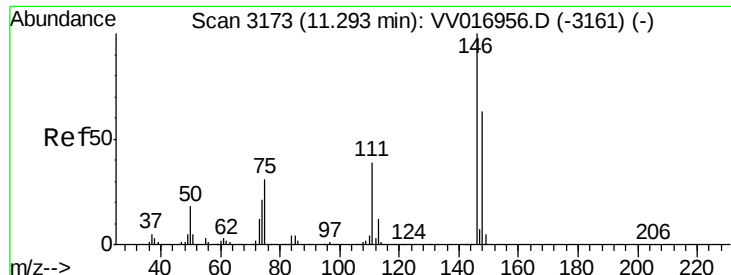


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.956 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

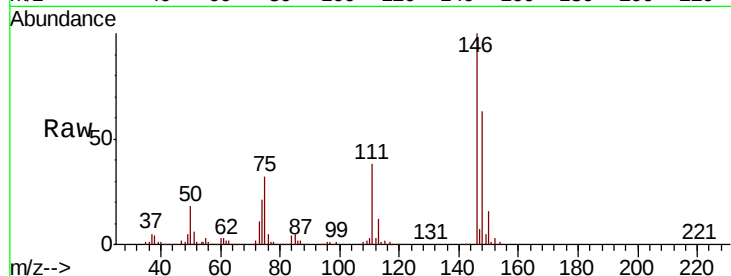
Tot Ion:146 Resp: 160556

Ion Ratio Lower Upper

146 100

111 37.5 27.4 50.8

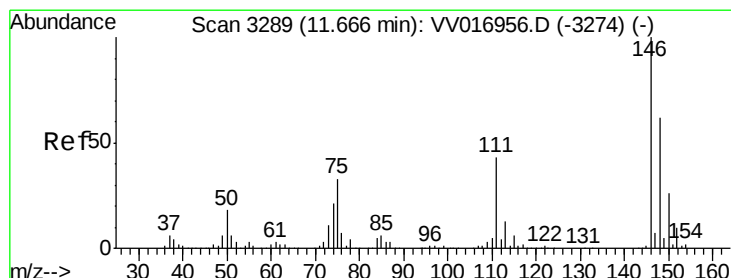
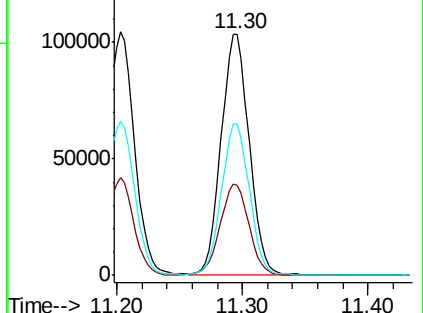
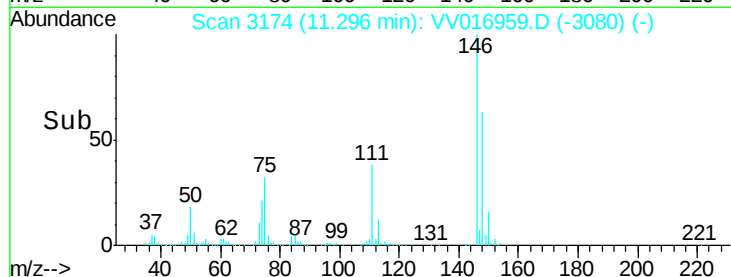
148 63.0 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.013 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

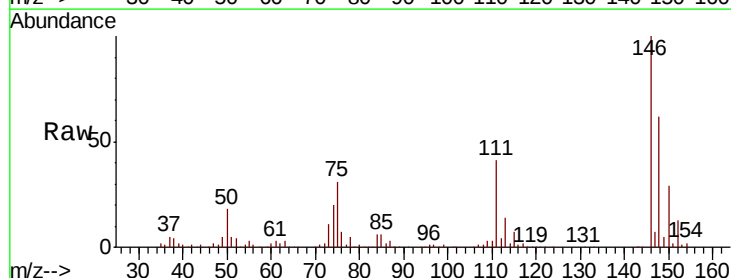
Tgt Ion:146 Resp: 144999

Ion Ratio Lower Upper

146 100

111 40.9 34.4 51.6

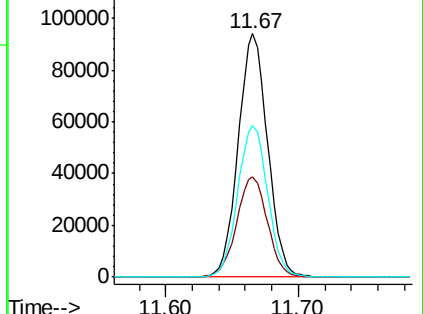
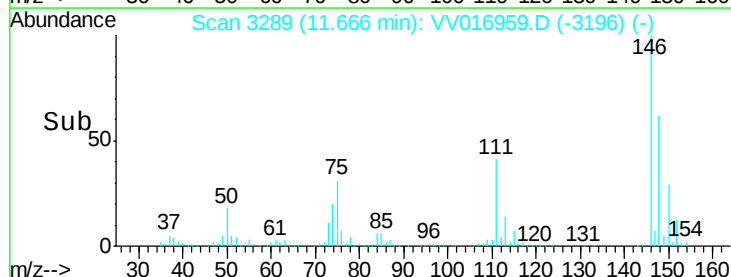
148 62.5 49.9 74.9

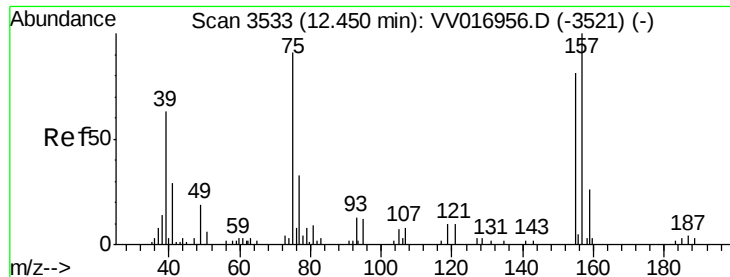


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 5.066 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

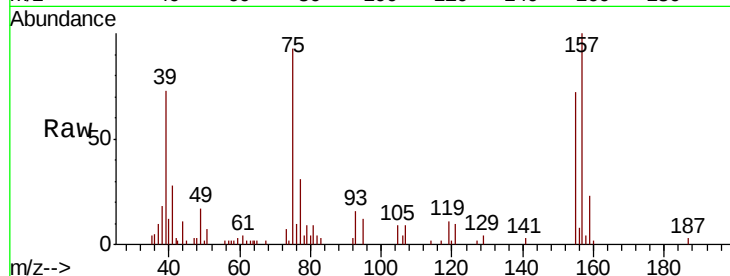
Tot Ion: 75 Resp: 8105

Ion Ratio Lower Upper

75 100

155 77.4 71.1 106.7

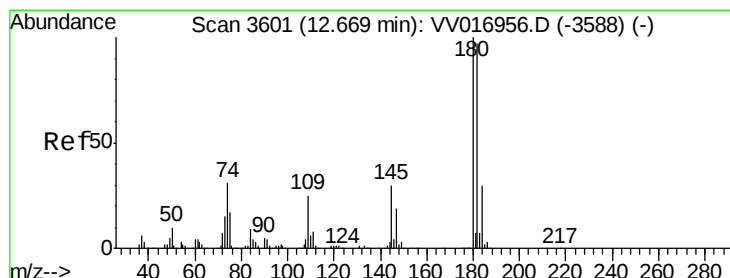
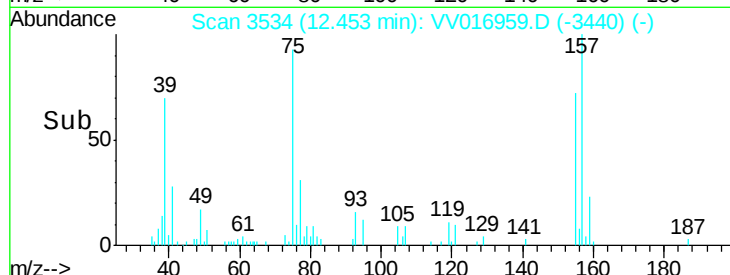
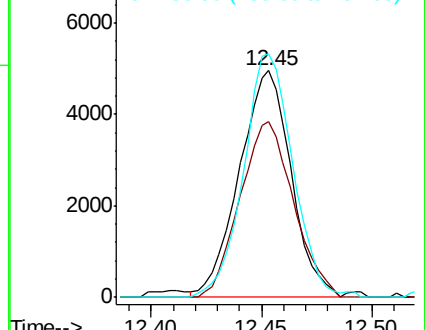
157 107.5 88.3 132.5



Abundance Ion 75.05 (74.75 to 75.75): VV016959.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV016959.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV016959.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 5.084 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Tgt Ion: 180 Resp: 130188

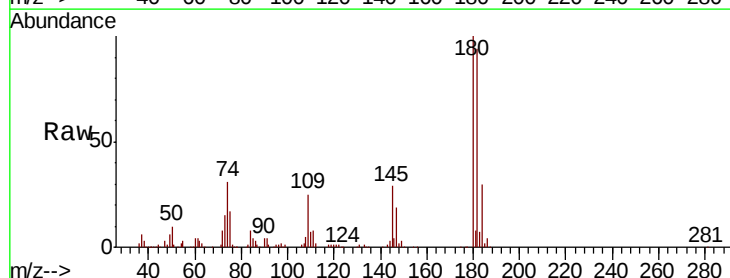
Ion Ratio Lower Upper

180 100

182 93.6 77.4 116.2

184 30.5 24.2 36.4

145 29.4 24.3 36.5

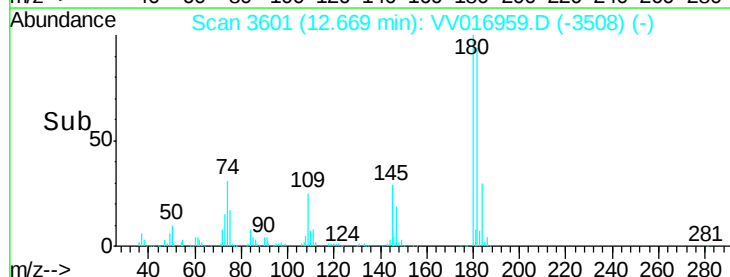
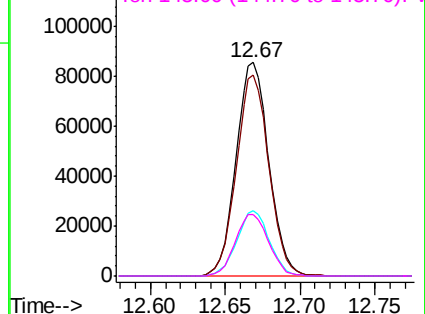


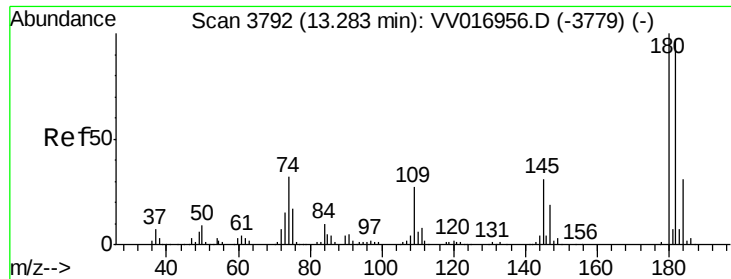
Abundance Ion 180.00 (179.70 to 180.70): VV016959.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV016959.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV016959.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV016959.D (-3508) (-)

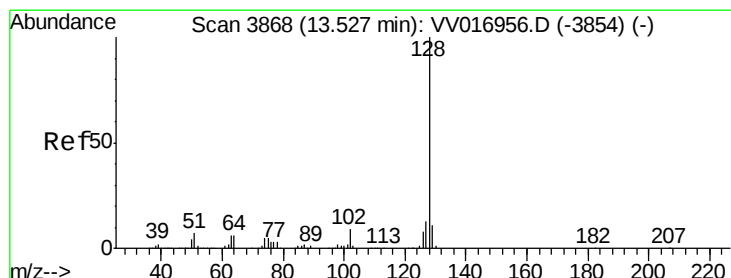
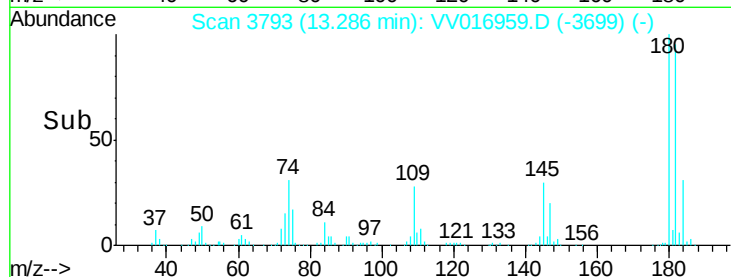
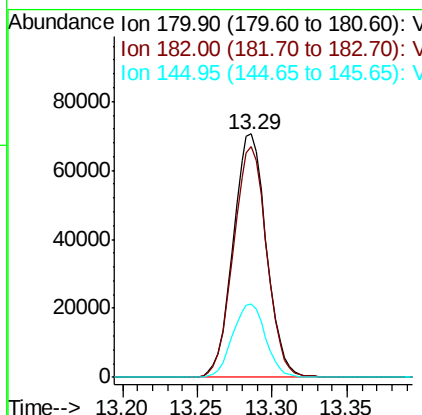
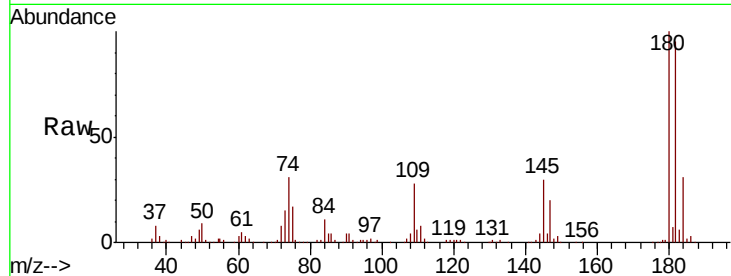




#69
 1,2,4-trichlorobenzene
 Concen: 5.190 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

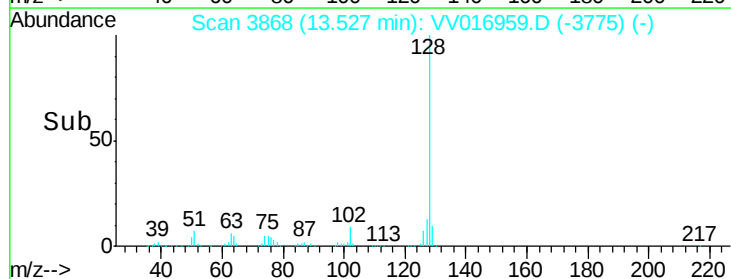
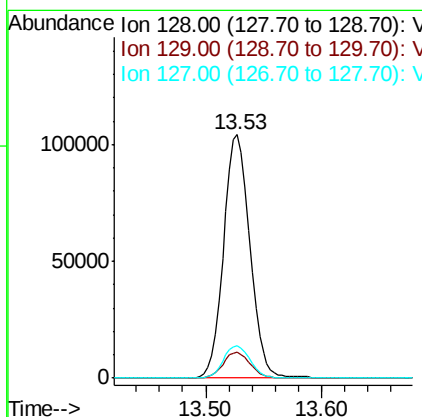
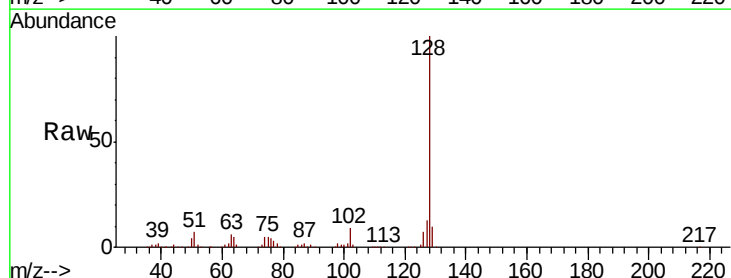
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

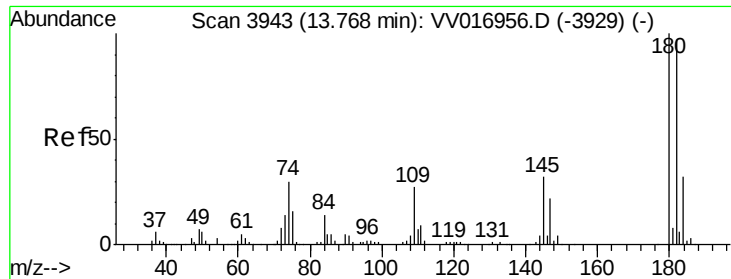
Tot Ion:180 Resp: 109394
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 145 29.9 25.0 37.6



#70
 Naphthalene
 Concen: 5.527 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016959.D
 Acq: 17 Jun 2020 11:35

Tgt Ion:128 Resp: 164511
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.8 13.2
 127 13.4 10.5 15.7





#71

1,2,3-Trichlorobenzene

Concen: 5.332 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016959.D

Acq: 17 Jun 2020 11:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

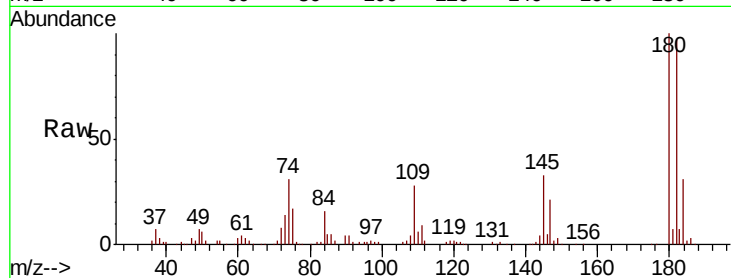
Tot Ion:180 Resp: 91668

Ion Ratio Lower Upper

180 100

182 95.7 77.4 116.0

145 33.8 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

