

Data File : VV011803.D
Acq On : 02 Jul 2019 12:22
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Quant Time: Jul 03 08:27:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	179954	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	170168	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	83965	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62885	5.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	1.58	69	48185	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.13	63	123498	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.20%
20) 2-Butanone-d5	3.96	46	160716	53.74	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.48%
24) Chloroform-d	4.40	84	124557	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.08	65	64516	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.09	84	239968	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.11	67	73233	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.36	98	224636	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	7.66	79	27193	5.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.60%
46) 2-Hexanone-d5	8.14	63	127878	56.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52885	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	78120	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	91740	5.341 ug/L	99
3) Chloromethane	1.25	50	87907	5.146 ug/L	99
5) Vinyl chloride	1.32	62	85544	5.323 ug/L	100
6) Bromomethane	1.53	94	45001	5.341 ug/L	100
8) Chloroethane	1.60	64	48928	5.334 ug/L	99
9) Trichlorofluoromethane	1.77	101	113168	5.351 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	62612	5.311 ug/L	99
12) 1,1-Dichloroethene	2.14	96	57729	5.301 ug/L	93
13) Acetone	2.22	43	112562	54.953 ug/L	98
14) Carbon disulfide	2.32	76	161699	5.523 ug/L	100
15) Methyl Acetate	2.47	43	26664	4.684 ug/L	94
16) Methylene chloride	2.53	84	62996	4.839 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	152421	5.374 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	66407	5.386 ug/L	95
19) 1,1-Dichloroethane	3.23	63	131499	5.383 ug/L	98
21) 2-Butanone	4.04	43	184728	55.214 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	71802	5.457 ug/L	97

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MSVOA_V
ClientSampleId :
VICV33

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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	4.30	128	29503	5.397	ug/L	96
25) Chloroform	4.42	83	133946	5.116	ug/L	93
27) 1,2-Dichloroethane	5.18	62	84955	5.253	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	109934	5.504	ug/L	98
30) Cyclohexane	4.72	56	118959	5.580	ug/L	99
31) Carbon tetrachloride	4.87	117	95442	5.571	ug/L	97
33) Benzene	5.14	78	281330	5.554	ug/L	100
34) Trichloroethene	5.96	95	73602	5.584	ug/L	97
35) Methylcyclohexane	6.17	83	121718	5.643	ug/L	98
37) 1,2-Dichloropropane	6.22	63	70822	5.459	ug/L	99
38) Bromodichloromethane	6.55	83	82325	5.443	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	99152	5.730	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	452681	56.356	ug/L	99
42) Toluene	7.43	91	303901	5.679	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	75382	5.645	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	45539	5.471	ug/L	99
47) Tetrachloroethene	8.02	164	57786	5.571	ug/L	96
48) 2-Hexanone	8.19	43	322772	56.924	ug/L	99
49) Dibromochloromethane	8.29	129	49203	5.569	ug/L	96
50) 1,2-Dibromoethane	8.40	107	43594	5.639	ug/L	100
51) Chlorobenzene	8.92	112	186949	5.532	ug/L	99
52) Ethylbenzene	9.05	91	335556	5.640	ug/L	99
53) m,p-xylene	9.18	106	126596	5.819	ug/L	96
54) o-xylene	9.59	106	121174	5.780	ug/L	98
55) Styrene	9.60	104	205646	5.880	ug/L	98
56) Isopropylbenzene	9.97	105	325753	5.742	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	54288	5.326	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40974	5.458	ug/L	99
61) Bromoform	9.77	173	23668	5.284	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	143599	5.529	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	145160	5.472	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	134982	5.502	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8017	5.152	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	113297	5.637	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	94718	5.837	ug/L	99
69) Naphthalene	13.55	128	156091	6.039	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	87833	5.840	ug/L	98

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV33

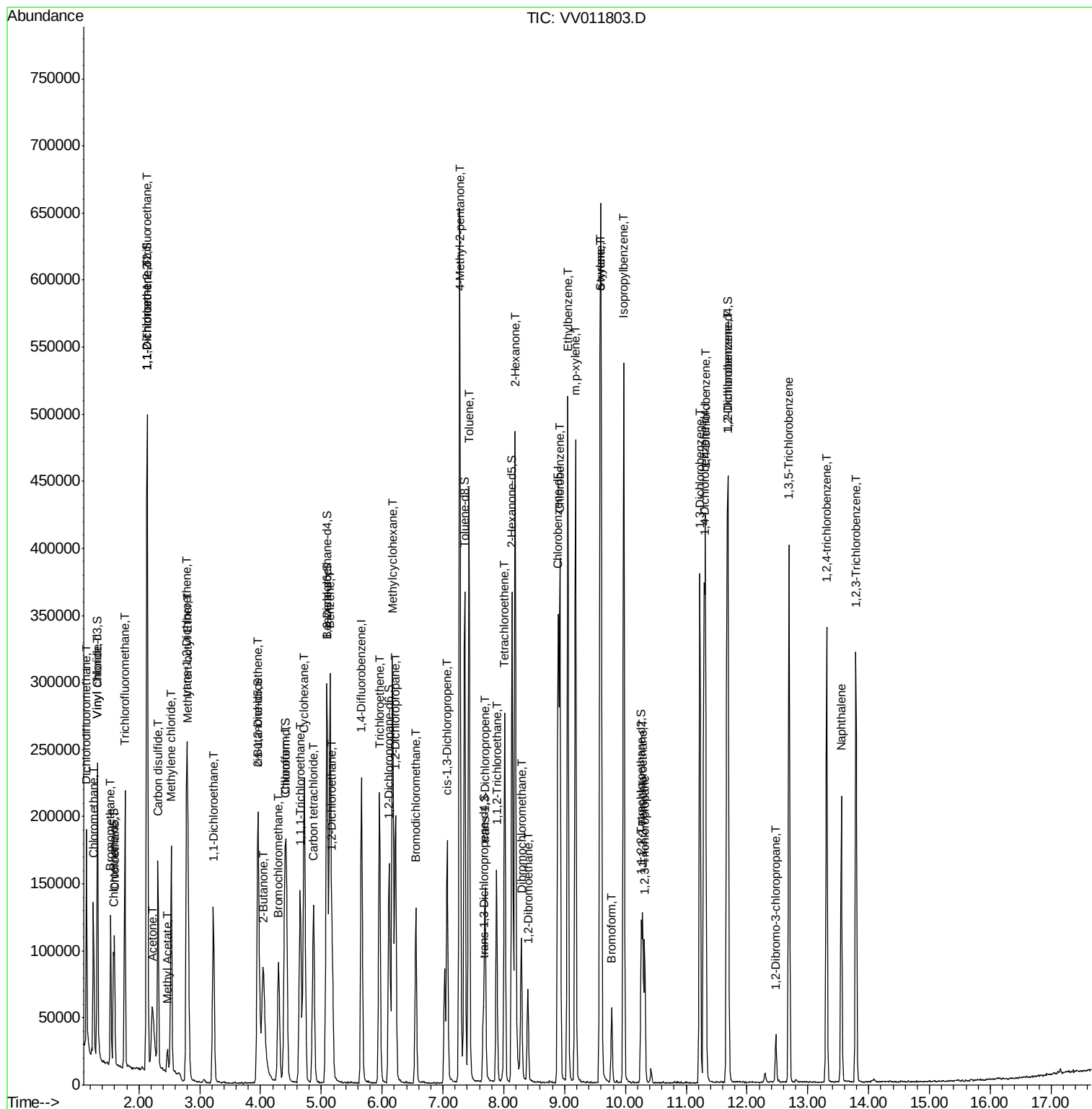
Quant Time: Jul 03 08:27:44 2019

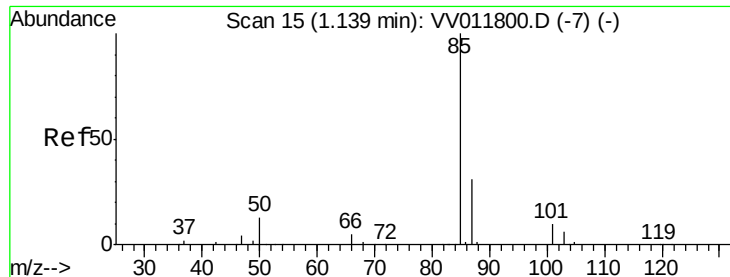
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR070219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 03 08:12:00 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.341 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

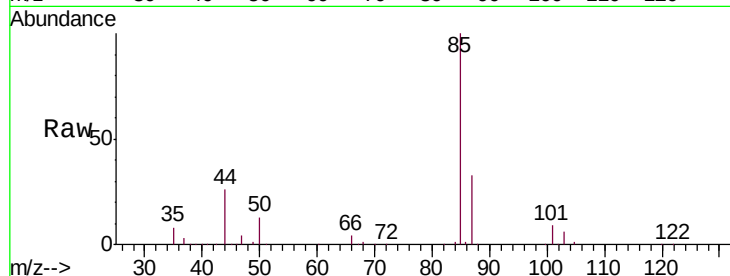
VICV33

Tgt Ion: 85 Resp: 91740

Ion Ratio Lower Upper

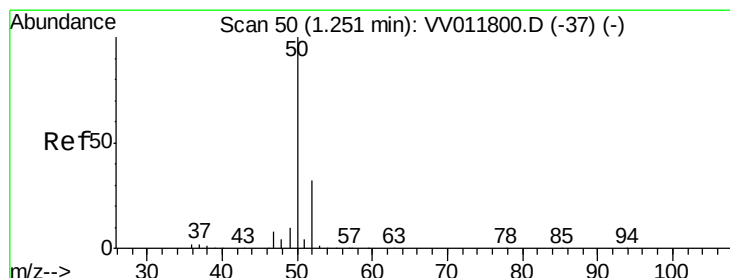
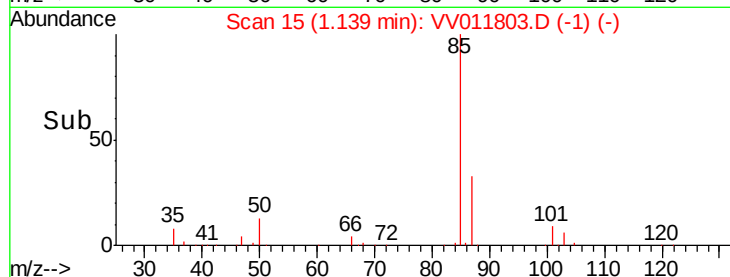
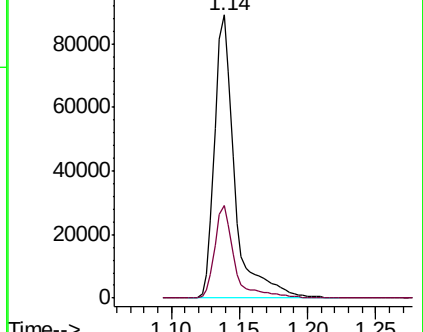
85 100

87 32.2 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV011800.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011800.D (-7) (-)



#3

Chloromethane

Concen: 5.146 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011803.D

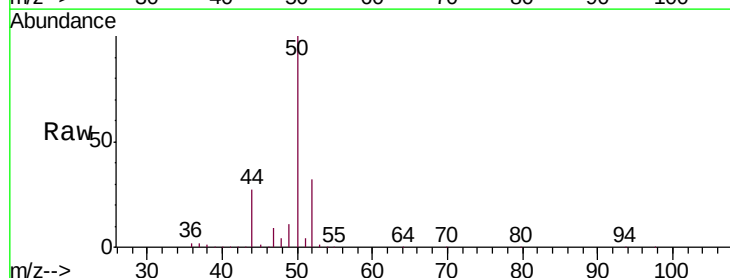
Acq: 02 Jul 2019 12:22

Tgt Ion: 50 Resp: 87907

Ion Ratio Lower Upper

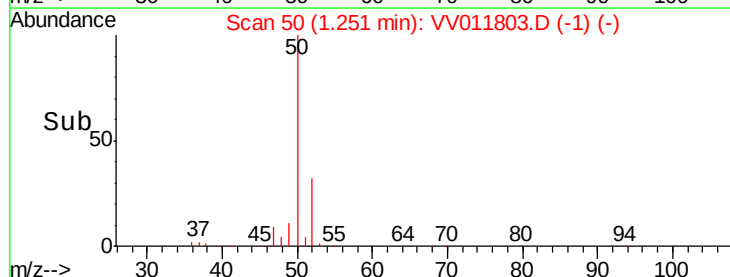
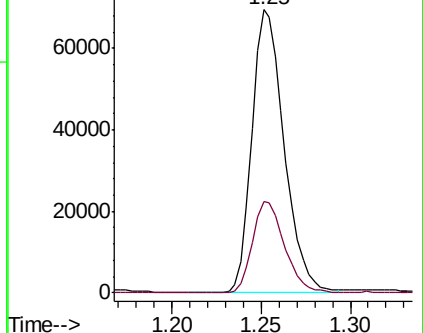
50 100

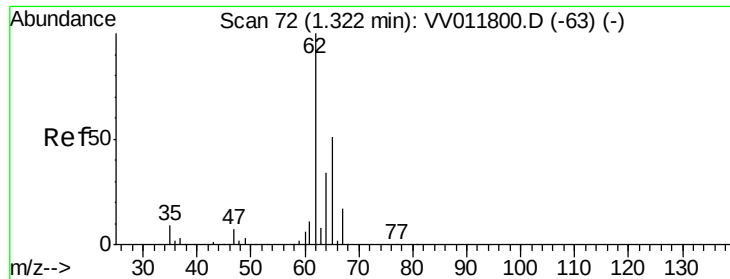
52 32.3 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV011800.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV011800.D (-37) (-)





#5

Vinyl chloride

Concen: 5.323 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

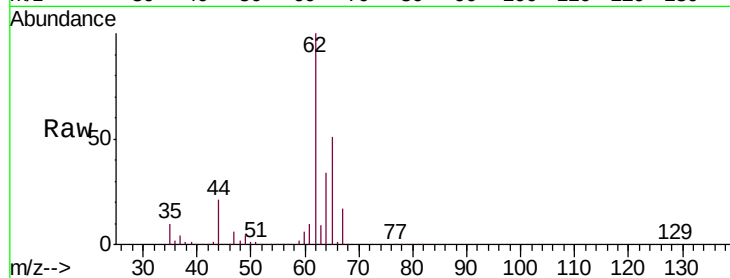
VICV33

Tgt Ion: 62 Resp: 85544

Ion Ratio Lower Upper

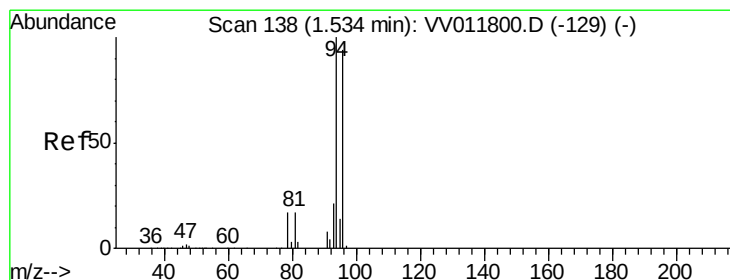
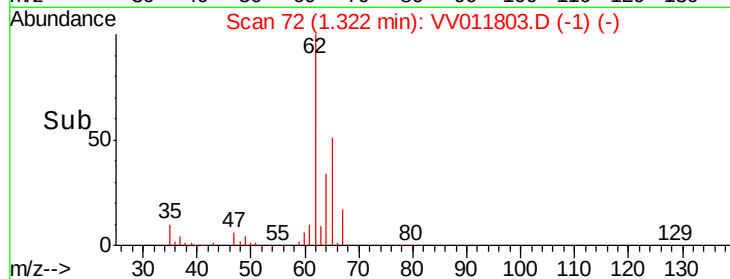
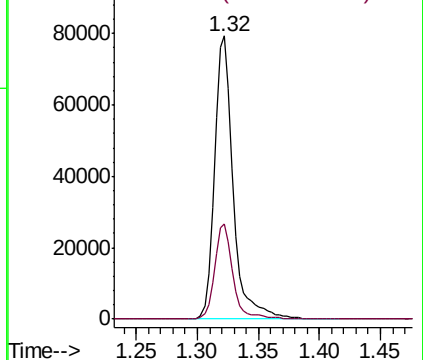
62 100

64 33.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV011803.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV011803.D (-63) (-)



#6

Bromomethane

Concen: 5.341 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011803.D

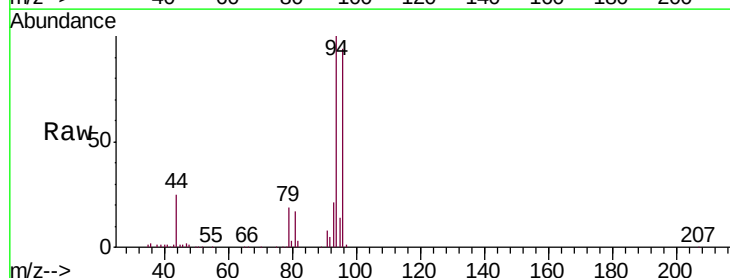
Acq: 02 Jul 2019 12:22

Tgt Ion: 94 Resp: 45001

Ion Ratio Lower Upper

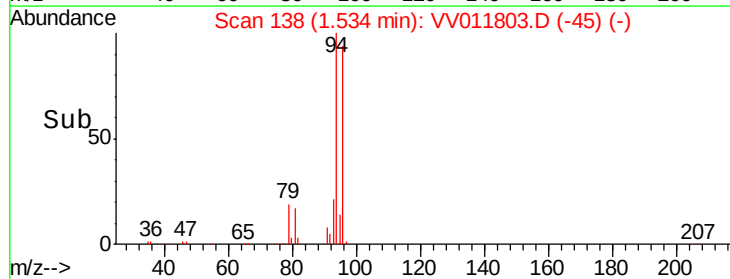
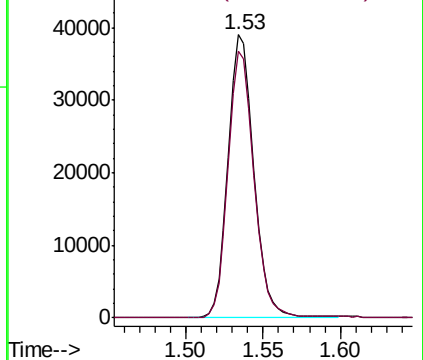
94 100

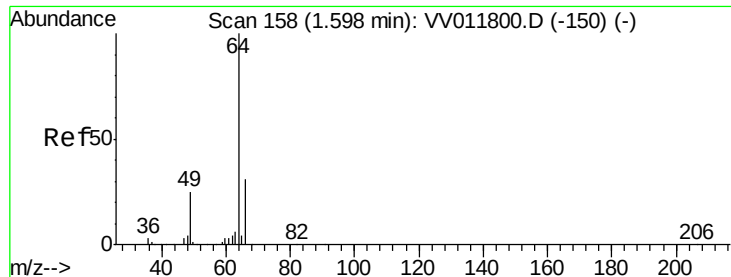
96 94.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV011803.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV011803.D (-129) (-)

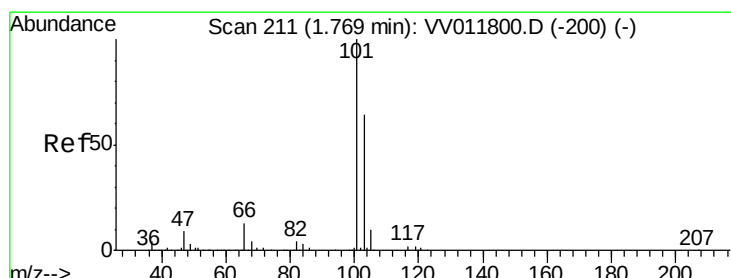
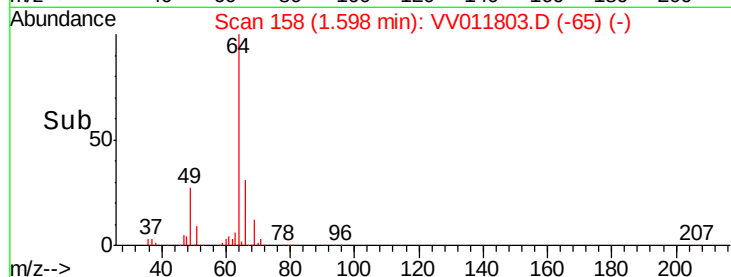
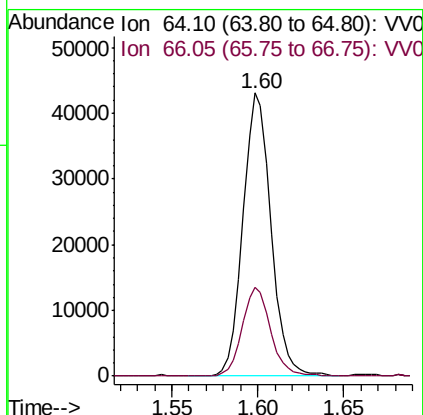
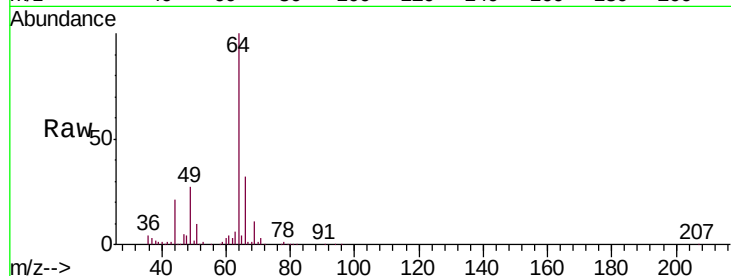




#8
Chloroethane
Concen: 5.334 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

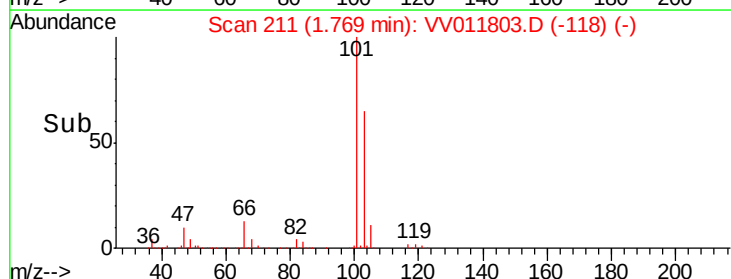
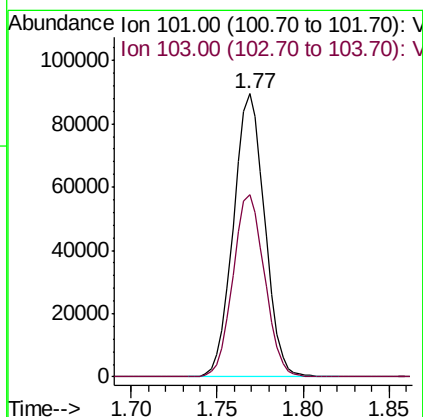
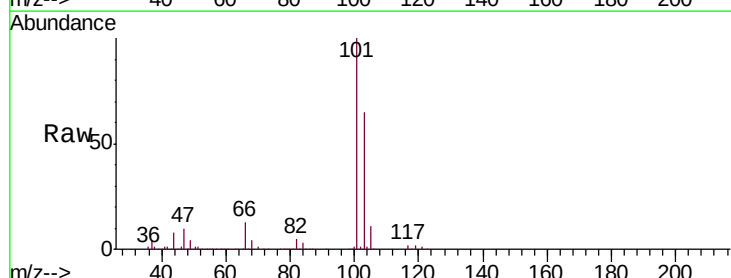
Instrument :
MSVOA_V
ClientSampleId :
VICV33

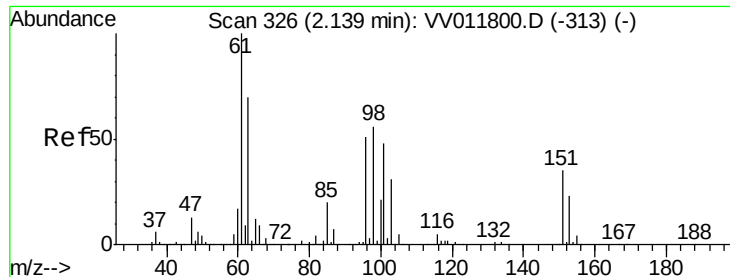
Tgt Ion: 64 Resp: 48928
Ion Ratio Lower Upper
64 100
66 31.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.351 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Tgt Ion: 101 Resp: 113168
Ion Ratio Lower Upper
101 100
103 65.1 52.0 78.0





#10

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

Concen: 5.311 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV33

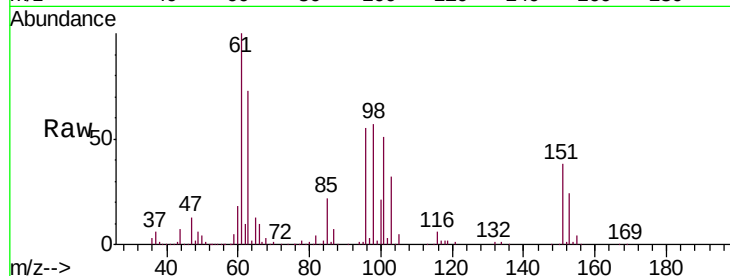
Tgt Ion:101 Resp: 62612

Ion Ratio Lower Upper

101 100

85 43.8 34.8 52.2

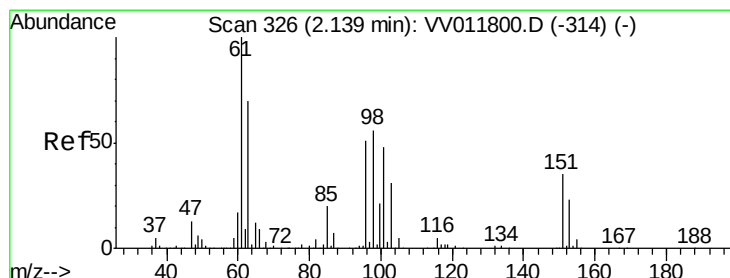
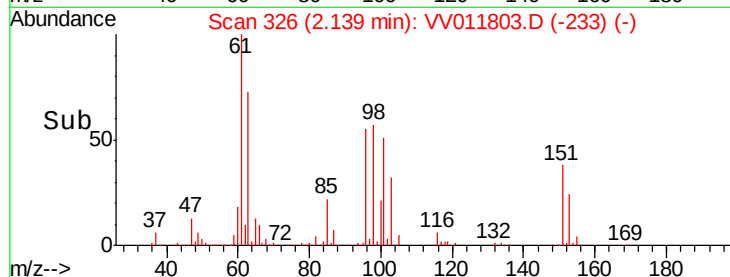
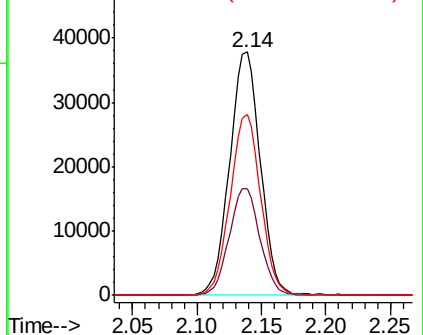
151 73.7 58.2 87.4



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: 5.301 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

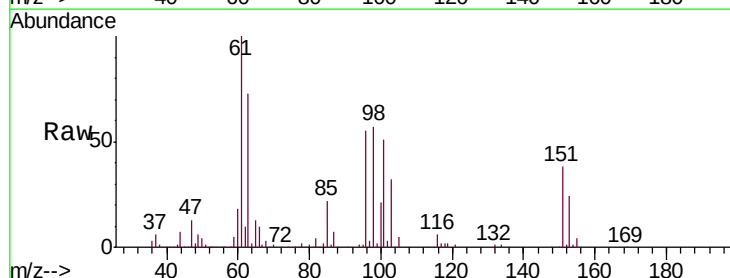
Tgt Ion: 96 Resp: 57729

Ion Ratio Lower Upper

96 100

61 182.6 137.1 254.5

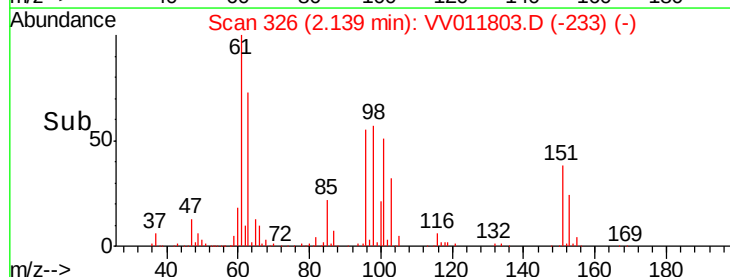
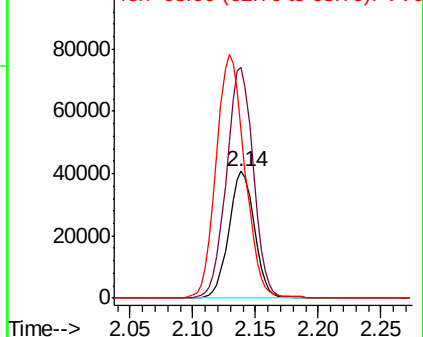
63 133.0 96.5 179.1

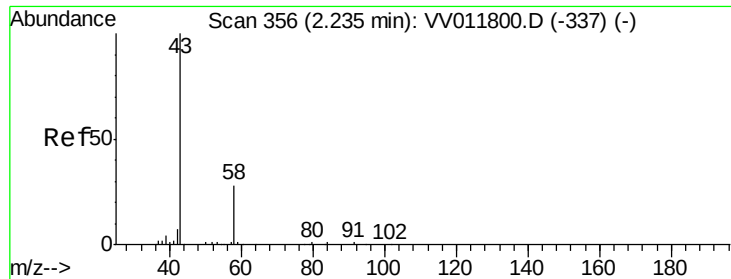


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.953 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

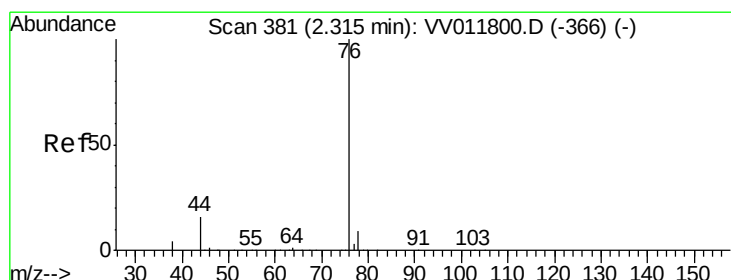
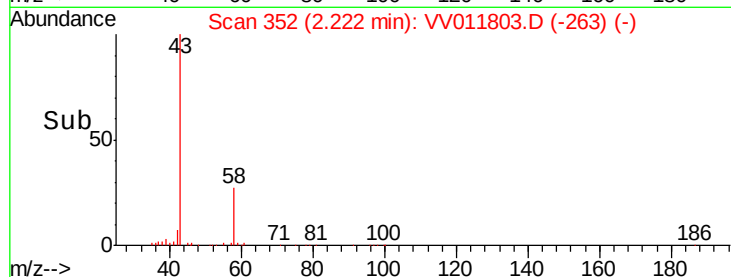
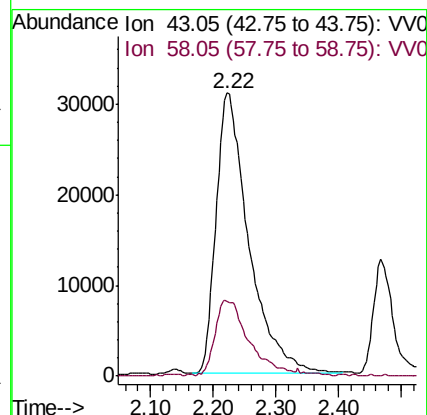
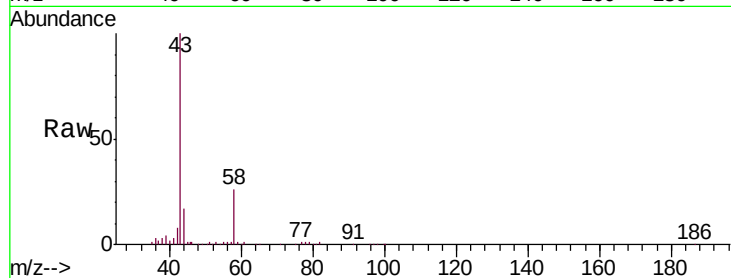
VICV33

Tgt Ion: 43 Resp: 112562

Ion Ratio Lower Upper

43 100

58 28.0 0.0 58.0



#14

Carbon disulfide

Concen: 5.523 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV011803.D

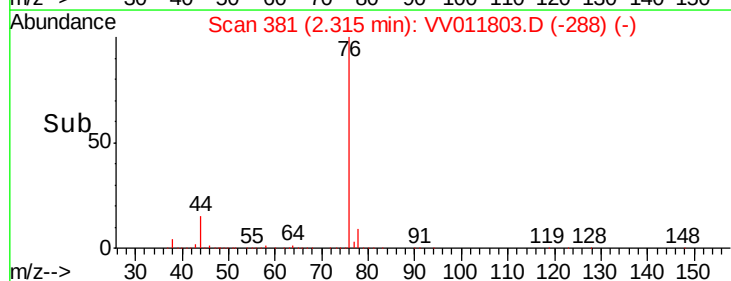
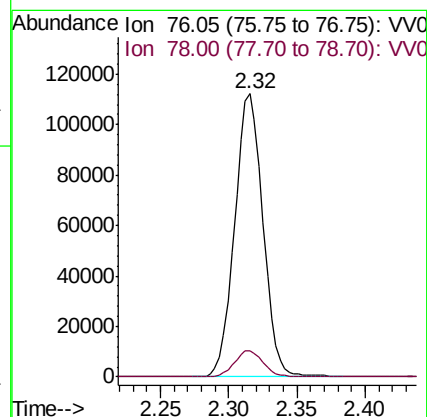
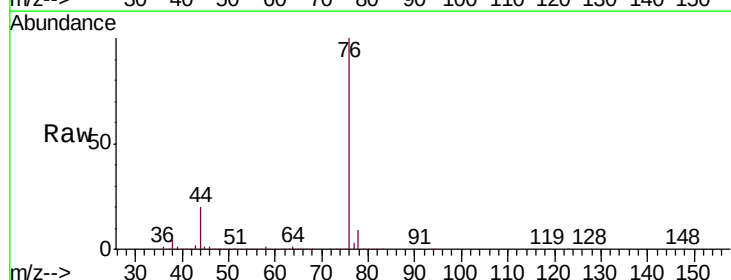
Acq: 02 Jul 2019 12:22

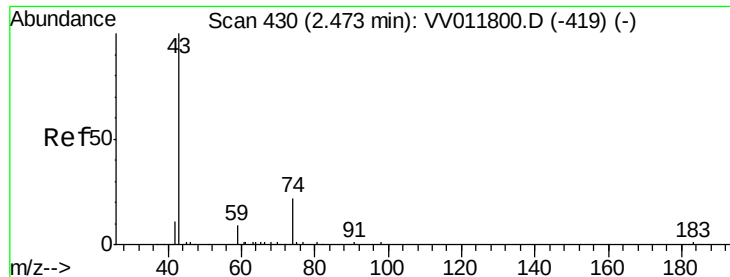
Tgt Ion: 76 Resp: 161699

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

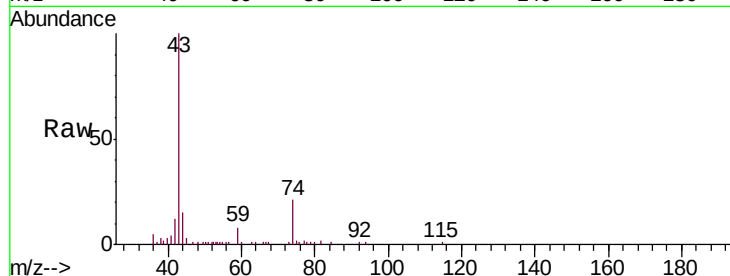




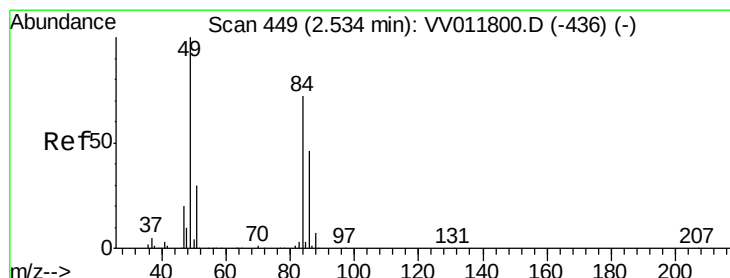
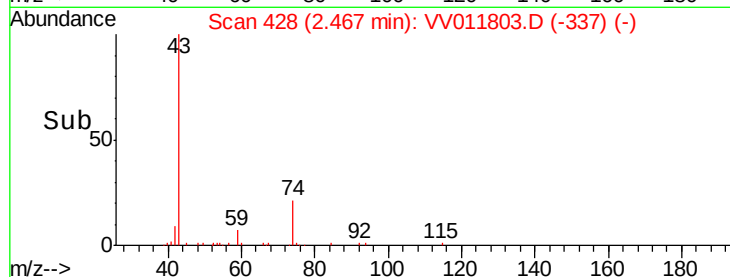
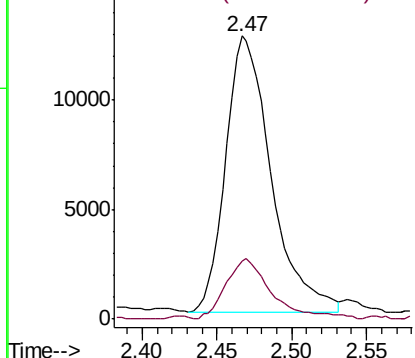
#15
Methyl Acetate
Concen: 4.684 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.01 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tgt Ion: 43 Resp: 26664
Ion Ratio Lower Upper
43 100
74 22.3 20.2 30.4

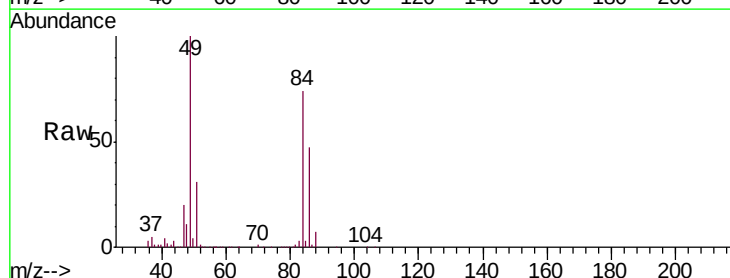


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0

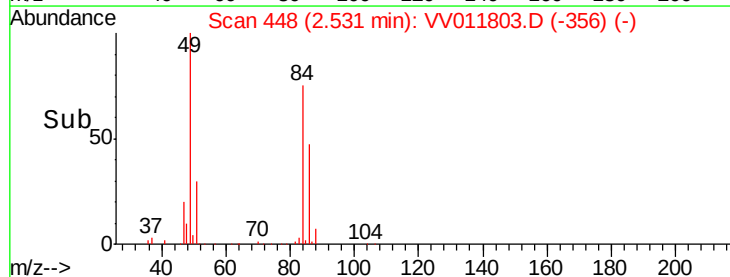
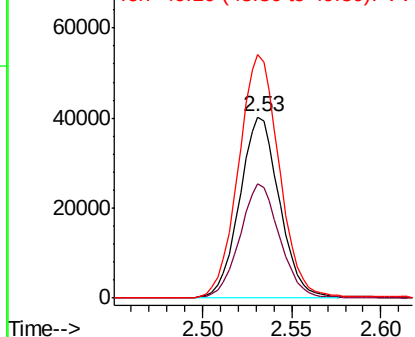


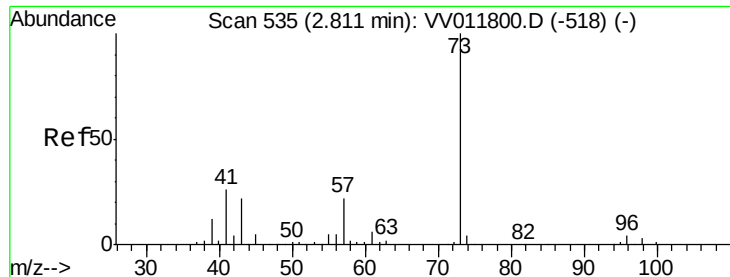
#16
Methylene chloride
Concen: 4.839 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Tgt Ion: 84 Resp: 62996
Ion Ratio Lower Upper
84 100
86 63.0 44.5 82.7
49 134.4 97.2 180.6



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

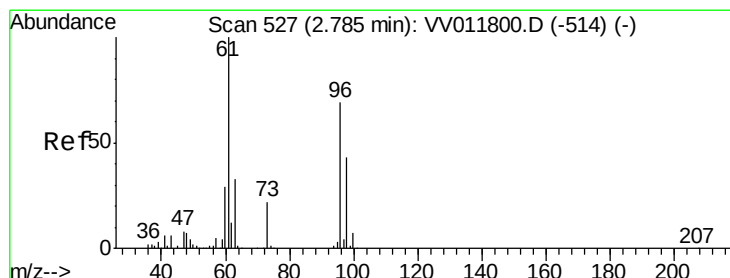
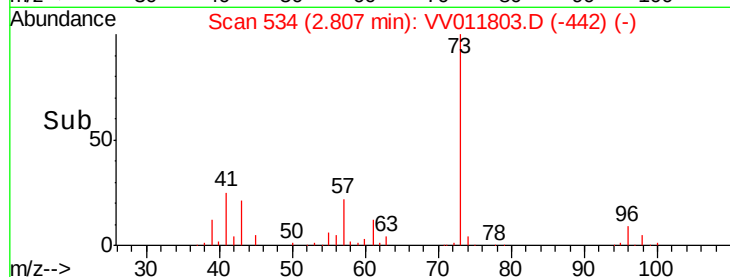
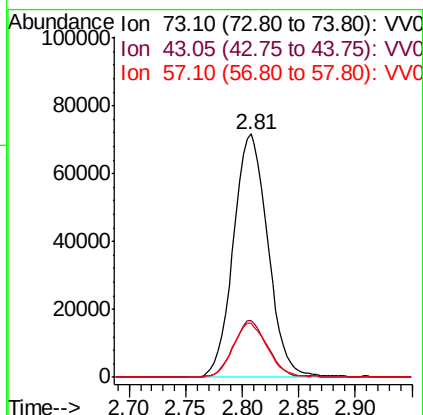
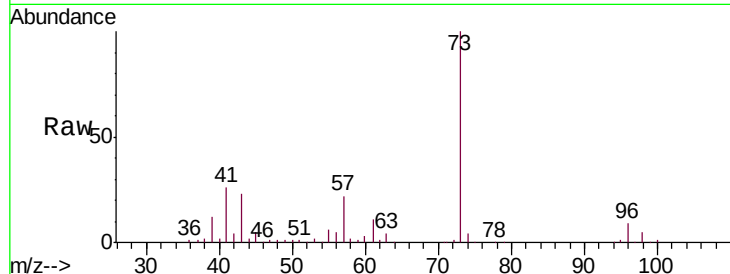




#17
Methyl tert-butyl Ether
Concen: 5.374 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

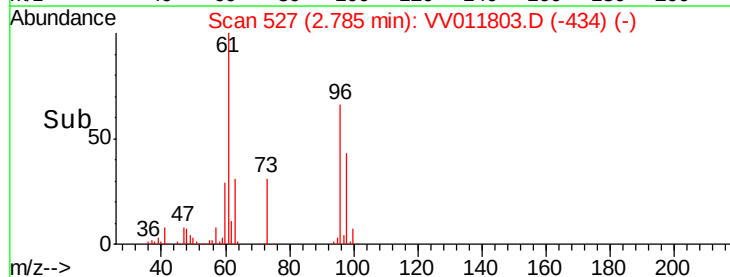
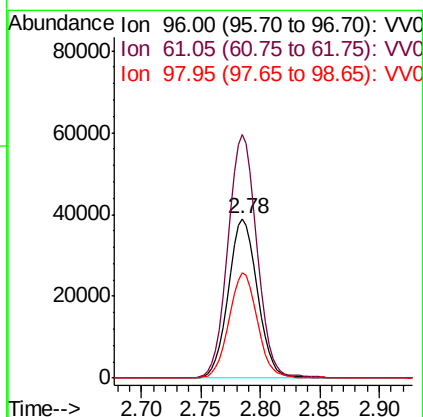
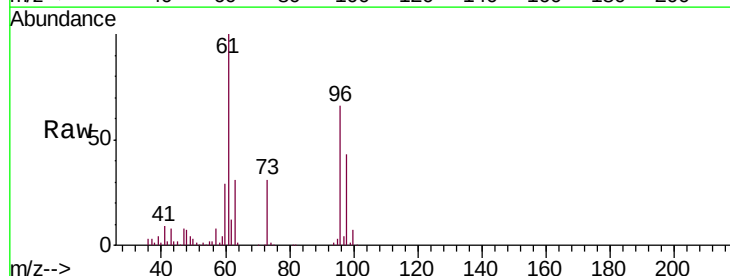
Instrument :
MSVOA_V
ClientSampleId :
VICV33

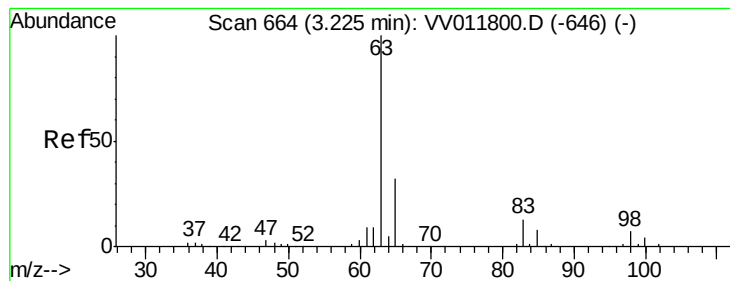
Tgt Ion: 73 Resp: 152421
Ion Ratio Lower Upper
73 100
43 22.7 17.6 26.4
57 22.4 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 5.386 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Tgt Ion: 96 Resp: 66407
Ion Ratio Lower Upper
96 100
61 152.5 102.3 189.9
98 65.8 44.2 82.2





#19

1,1-Dichloroethane

Concen: 5.383 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV33

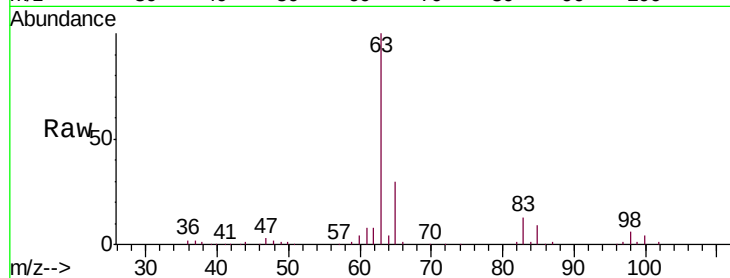
Tgt Ion: 63 Resp: 131499

Ion Ratio Lower Upper

63 100

65 30.4 22.0 41.0

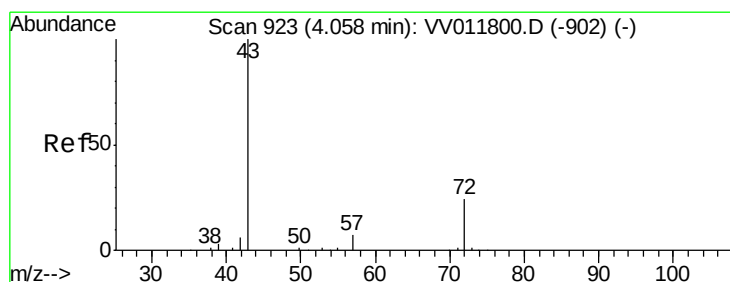
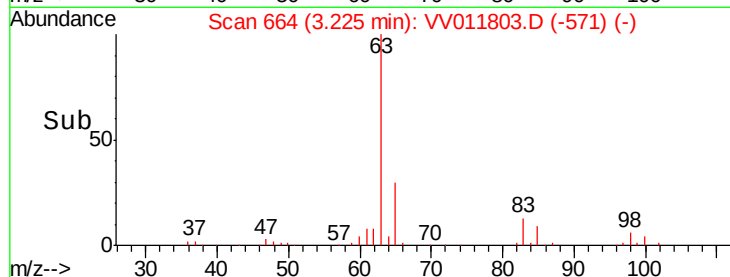
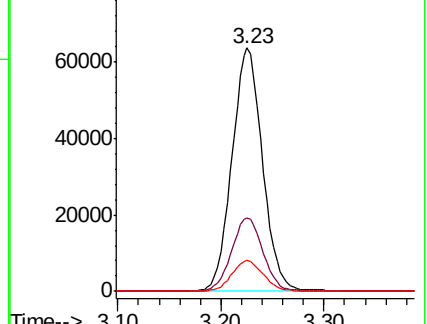
83 12.6 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 55.214 ug/L

RT: 4.04 min Scan# 918

Delta R.T. -0.02 min

Lab File: VV011803.D

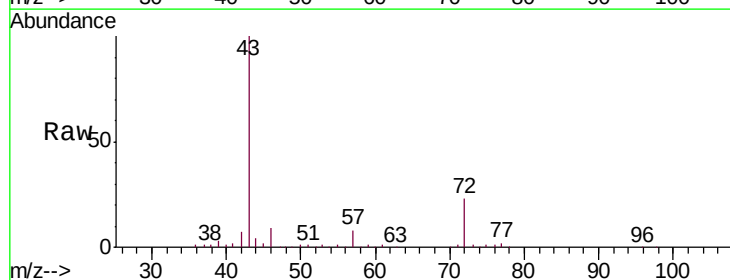
Acq: 02 Jul 2019 12:22

Tgt Ion: 43 Resp: 184728

Ion Ratio Lower Upper

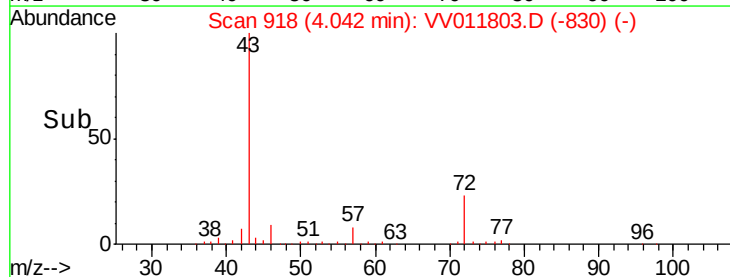
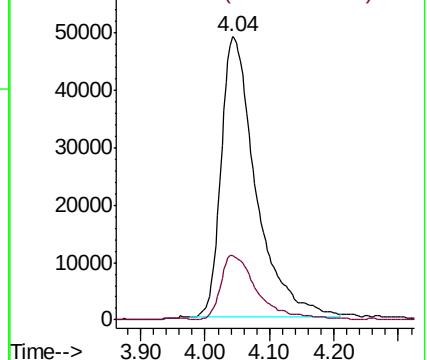
43 100

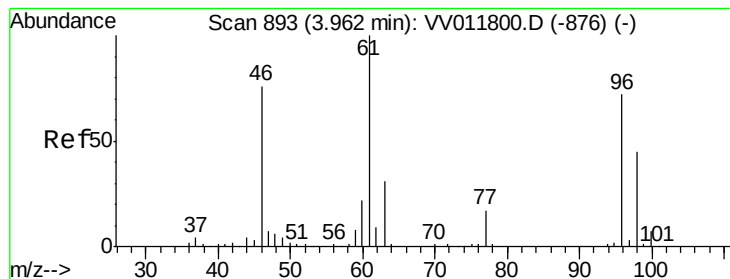
72 23.1 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 5.457 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV33

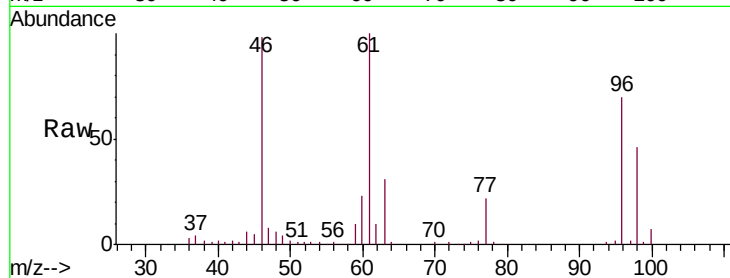
Tgt Ion: 96 Resp: 71802

Ion Ratio Lower Upper

96 100

61 142.3 97.1 180.3

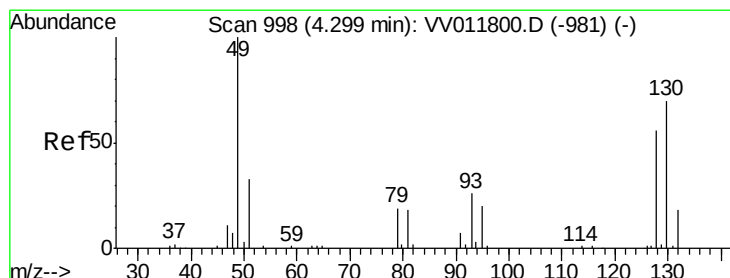
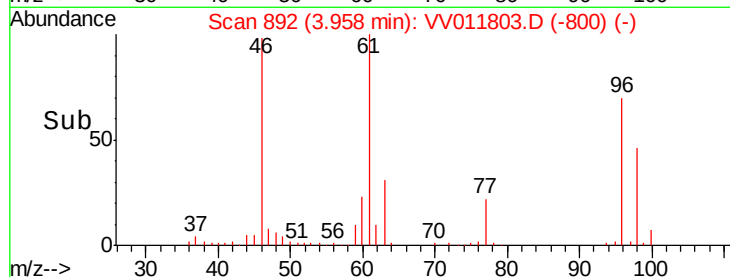
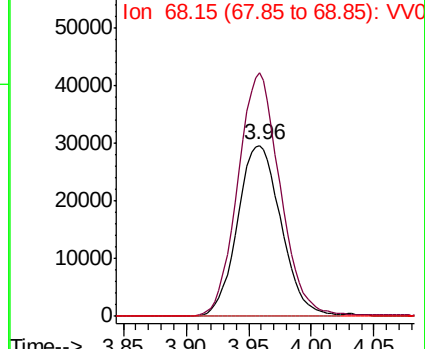
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV011800.D (-876) (-)

Ion 61.05 (60.75 to 61.75): VV011800.D (-876) (-)

Ion 68.15 (67.85 to 68.85): VV011800.D (-876) (-)



#23

Bromochloromethane

Concen: 5.397 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Tgt Ion: 128 Resp: 29503

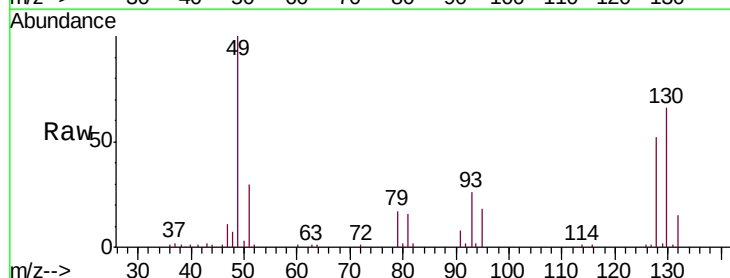
Ion Ratio Lower Upper

128 100

49 190.7 125.6 233.2

130 126.4 87.7 162.9

51 58.2 46.7 70.1

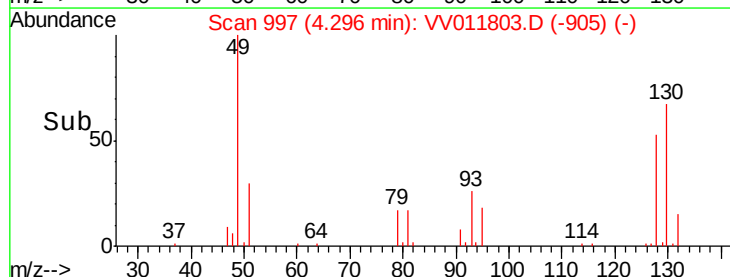
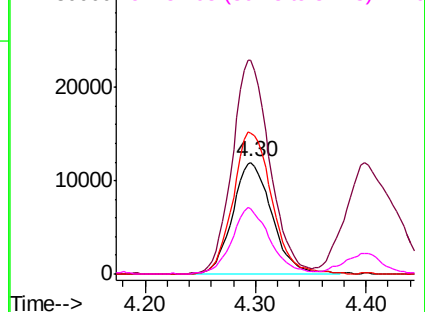


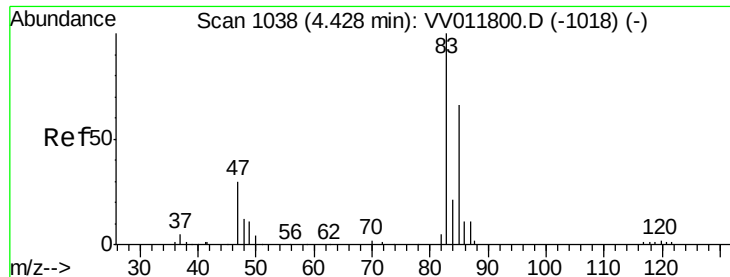
Abundance Ion 127.90 (127.60 to 128.60): VV011800.D (-981) (-)

Ion 49.10 (48.80 to 49.80): VV011800.D (-981) (-)

Ion 129.95 (129.65 to 130.65): VV011800.D (-981) (-)

Ion 51.05 (50.75 to 51.75): VV011800.D (-981) (-)

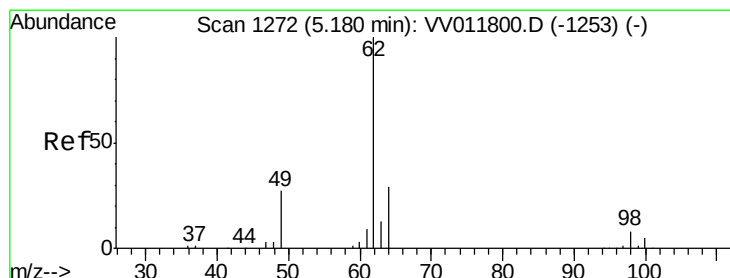
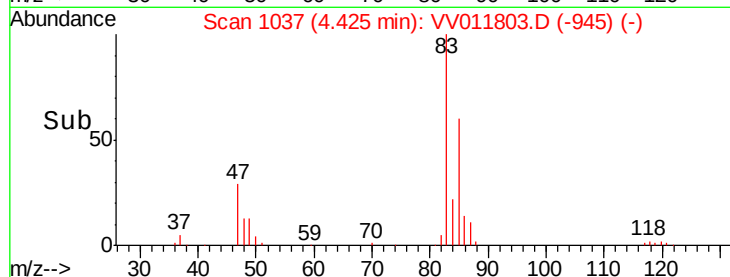
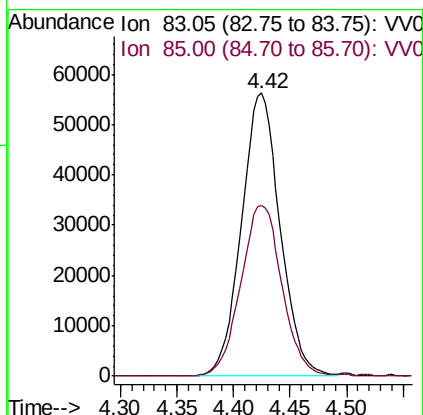
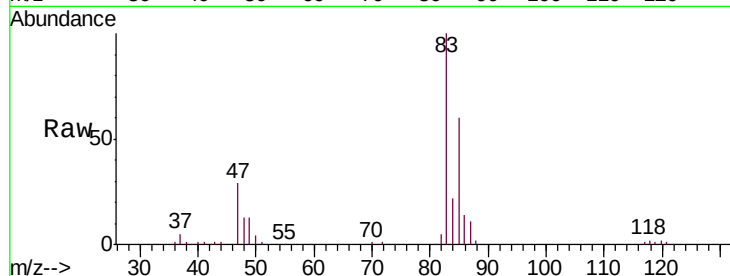




#25
Chloroform
Concen: 5.116 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

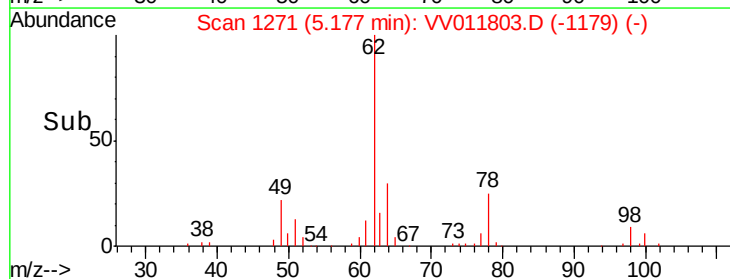
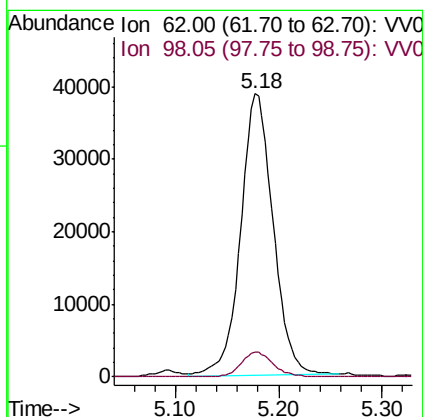
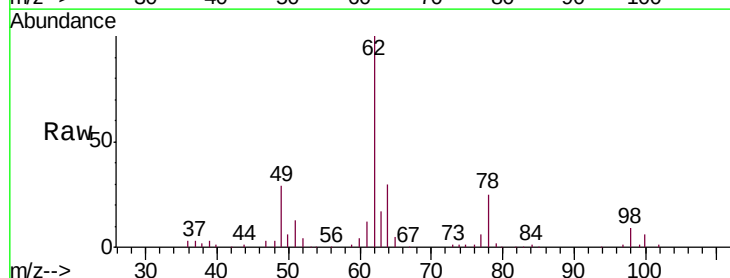
Instrument :
MSVOA_V
ClientSampled :
VICV33

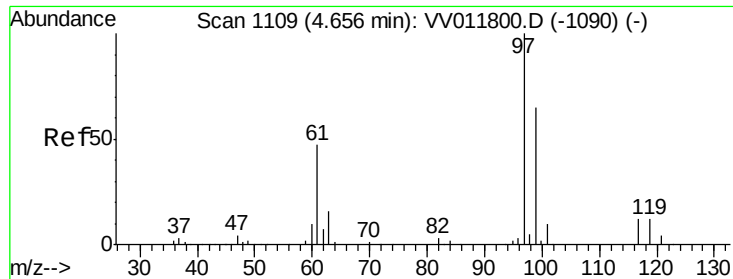
Tgt Ion: 83 Resp: 133946
Ion Ratio Lower Upper
83 100
85 60.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.253 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Tgt Ion: 62 Resp: 84955
Ion Ratio Lower Upper
62 100
98 8.8 6.6 9.8

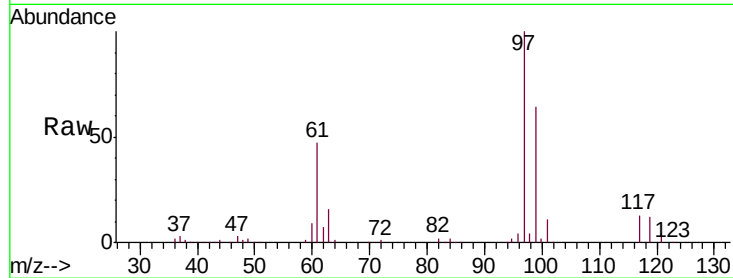




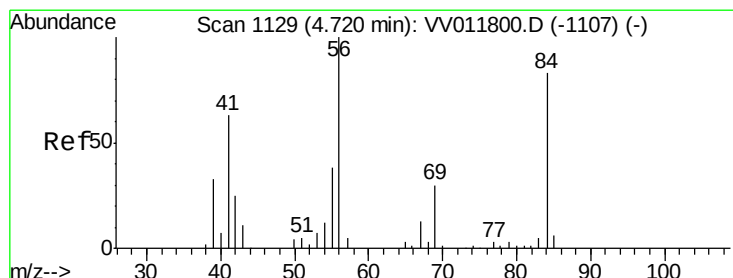
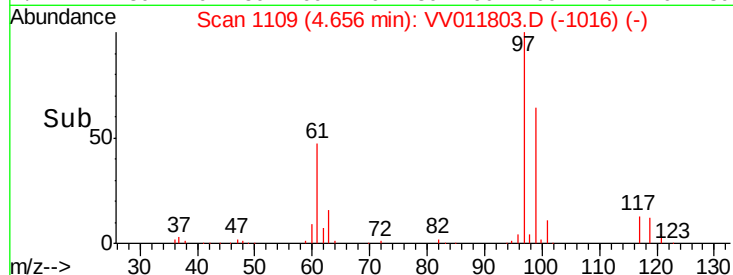
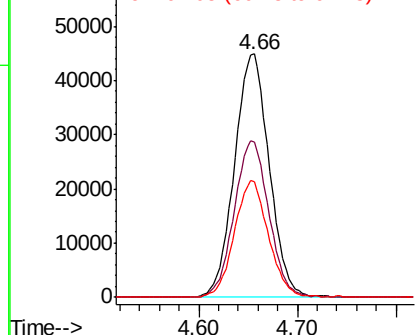
#29
 1,1,1-Trichloroethane
 Concen: 5.504 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

Instrument :
 MSVOA_V
 ClientSampled :
 VICV33

Tgt Ion: 97 Resp: 109934
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.2 78.4
 61 47.0 38.5 57.7

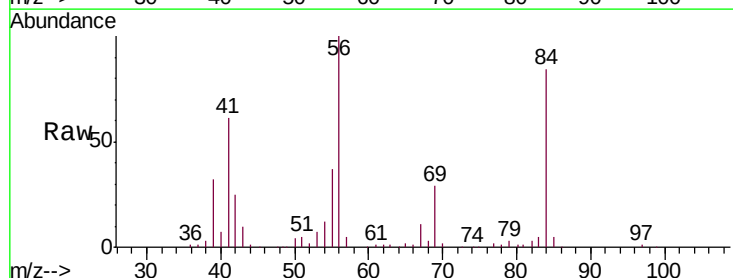


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

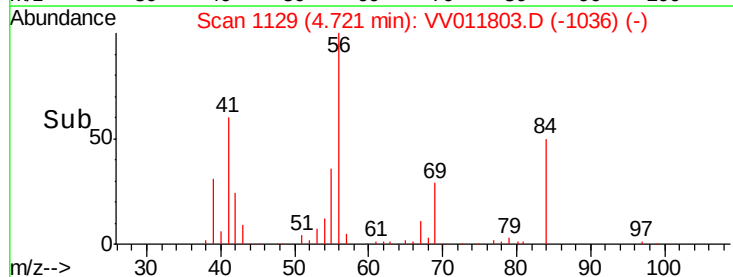
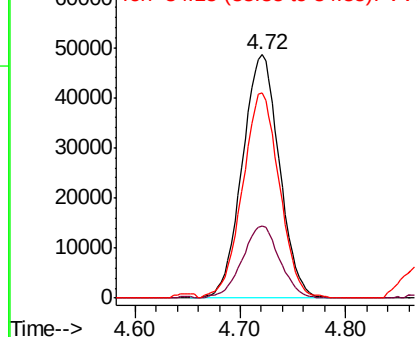


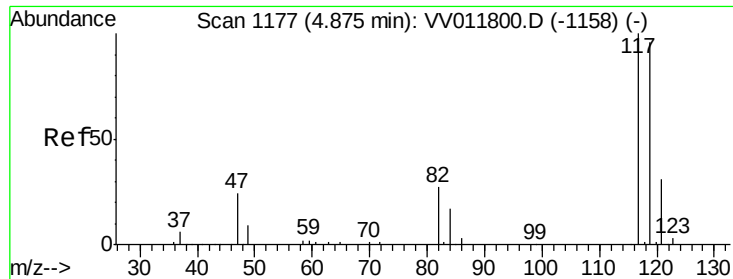
#30
 Cyclohexane
 Concen: 5.580 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

Tgt Ion: 56 Resp: 118959
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.5 35.3
 84 84.0 67.6 101.4



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





#31

Carbon tetrachloride

Concen: 5.571 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

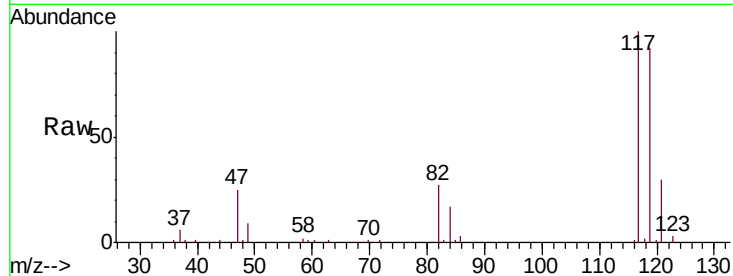
VICV33

Tgt Ion:117 Resp: 95442

Ion Ratio Lower Upper

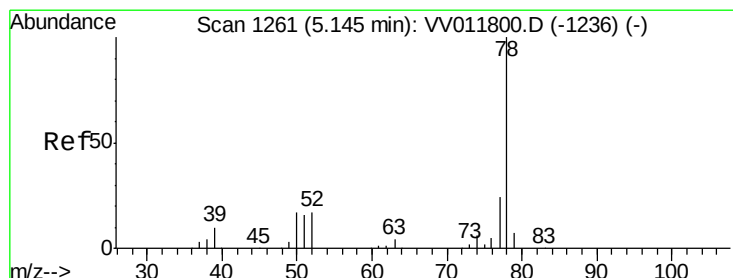
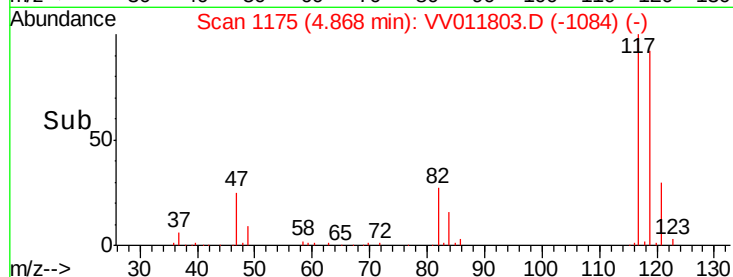
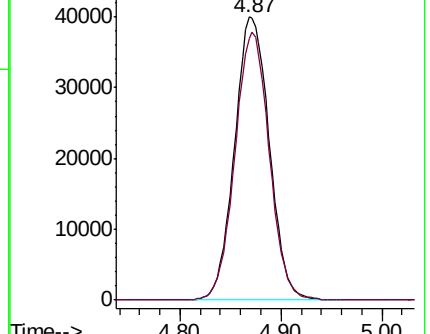
117 100

119 93.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.554 ug/L

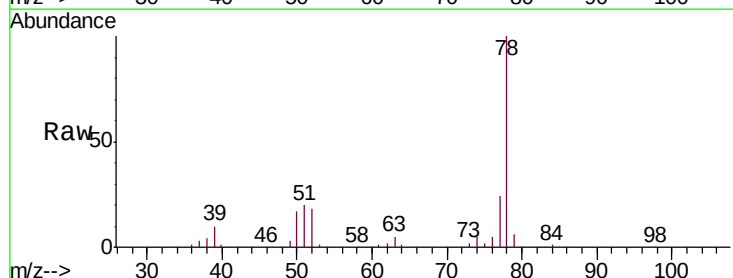
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

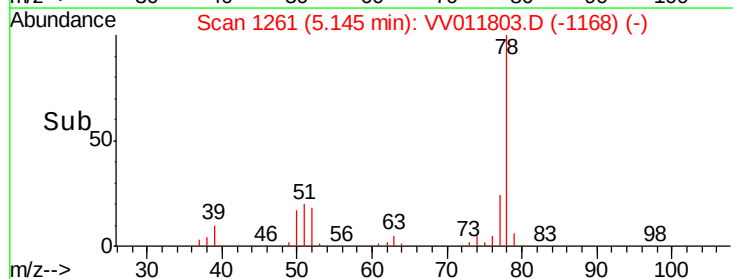
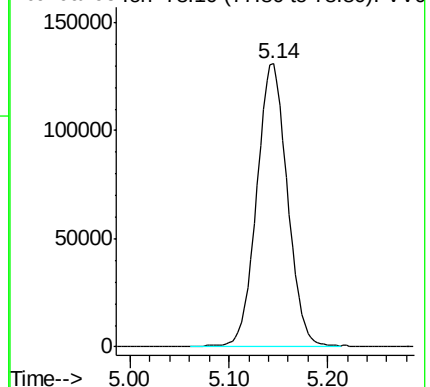
Lab File: VV011803.D

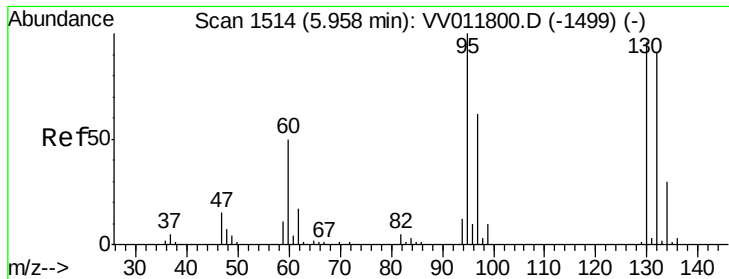
Acq: 02 Jul 2019 12:22

Tgt Ion: 78 Resp: 281330



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.584 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV33

Tgt Ion: 95 Resp: 73602

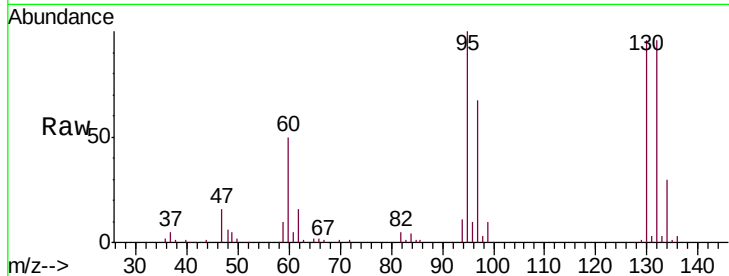
Ion Ratio Lower Upper

95 100

97 66.7 43.7 81.1

132 95.7 63.7 118.3

130 95.9 67.1 124.7



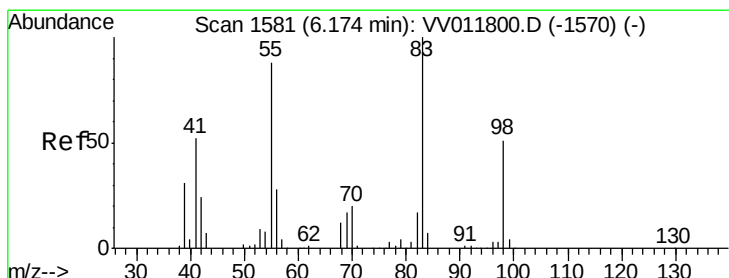
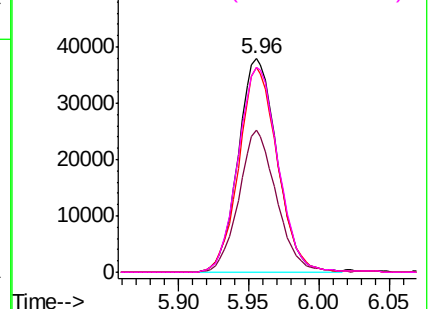
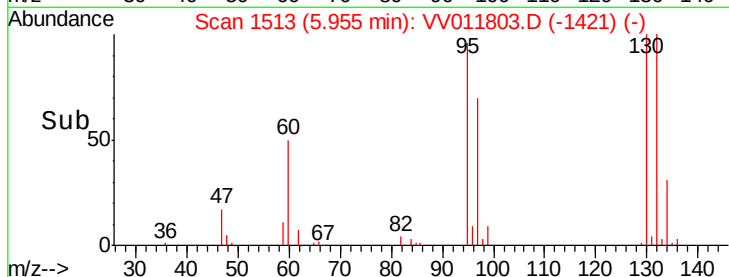
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.643 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

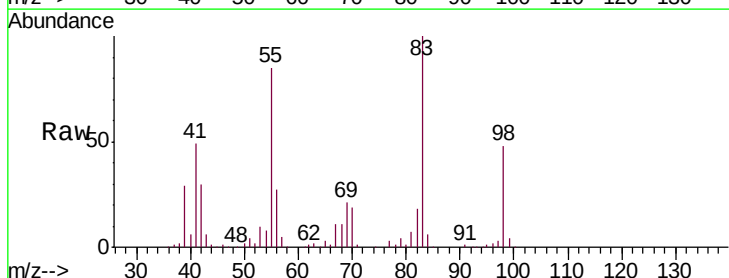
Tgt Ion: 83 Resp: 121718

Ion Ratio Lower Upper

83 100

55 82.9 67.8 101.6

98 48.5 39.8 59.8

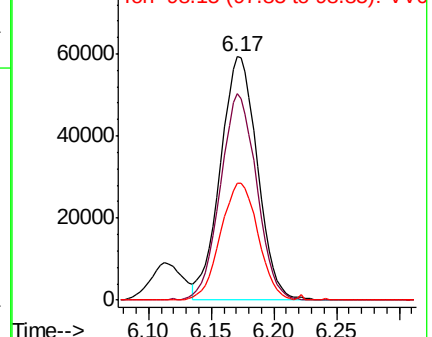
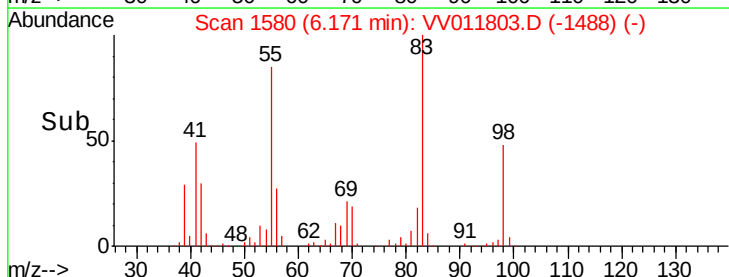


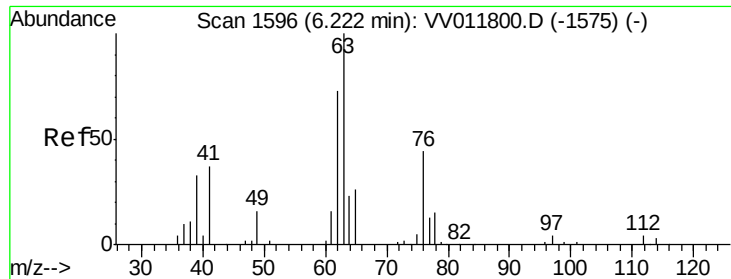
Abundance

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

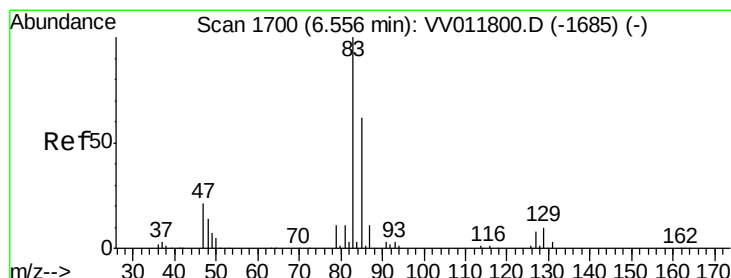
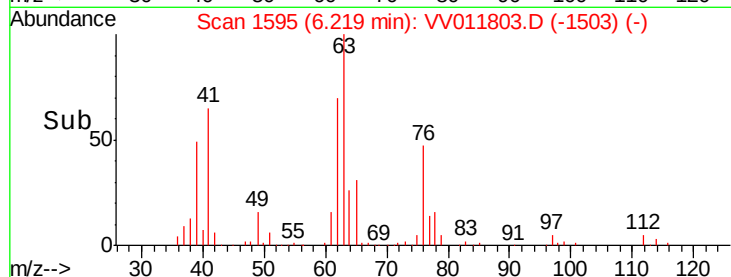
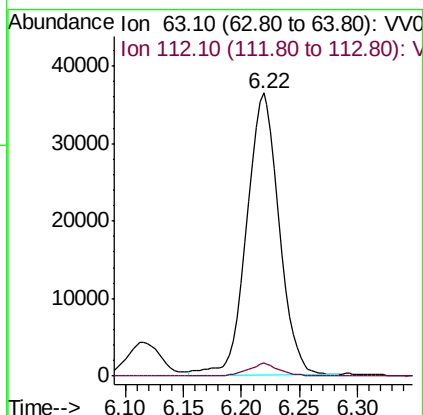
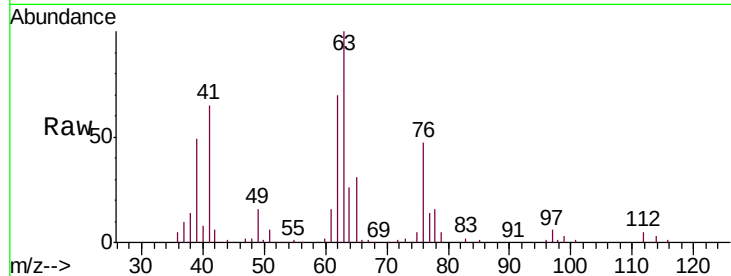




#37
 1,2-Dichloropropane
 Concen: 5.459 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

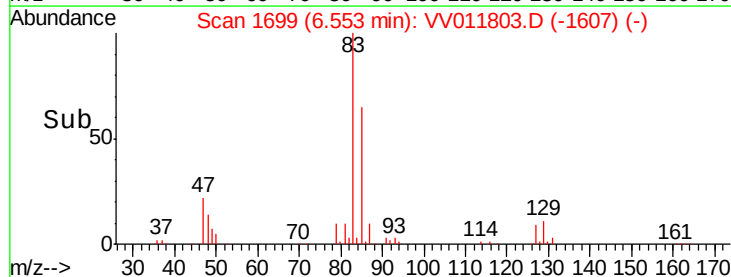
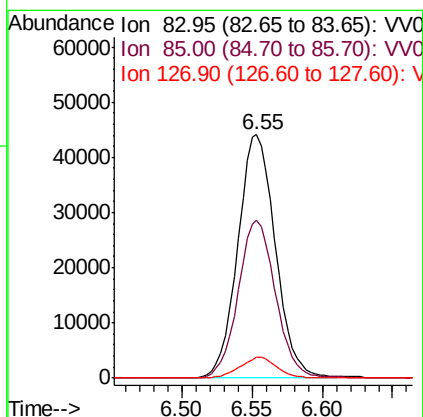
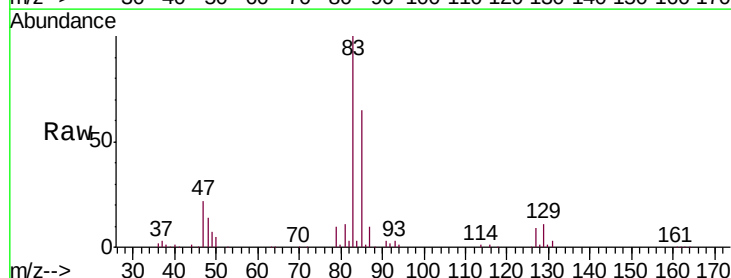
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

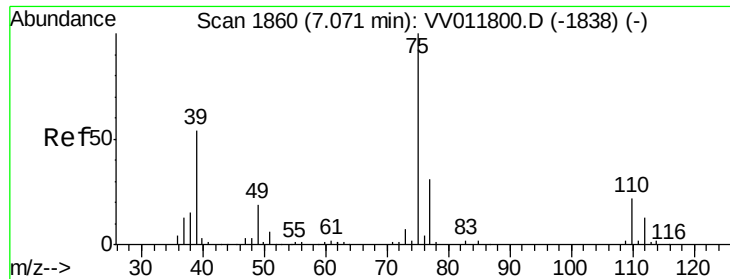
Tgt Ion: 63 Resp: 70822
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.443 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

Tgt Ion: 83 Resp: 82325
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.1 80.1
 127 8.6 6.2 9.4

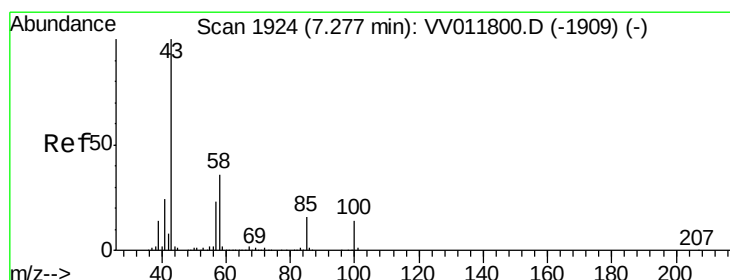
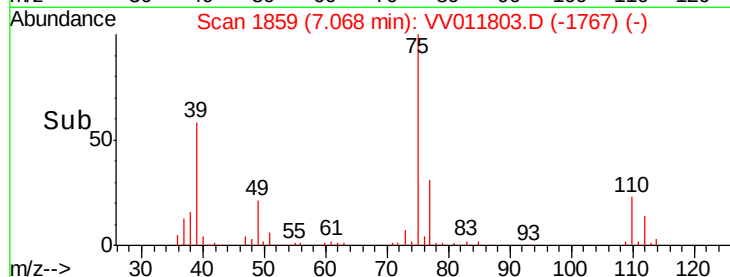
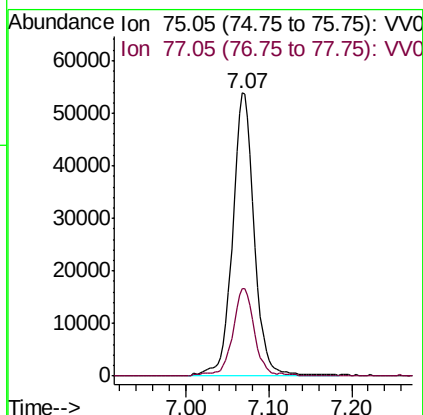
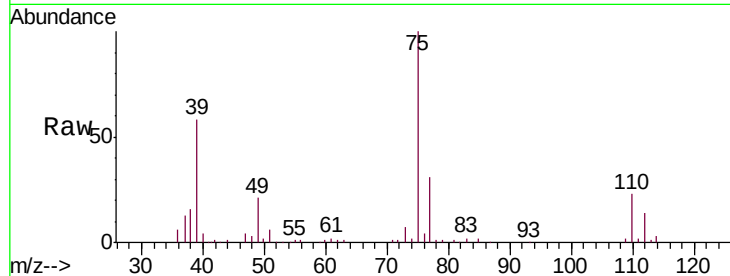




#39
 cis-1,3-Dichloropropene
 Concen: 5.730 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

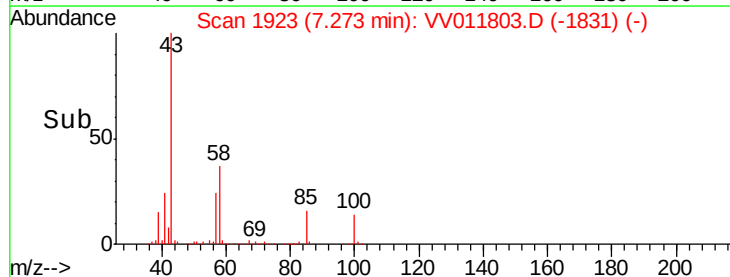
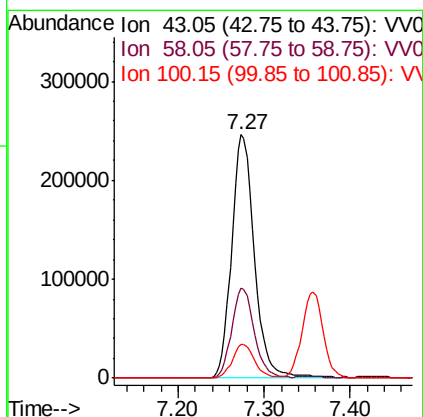
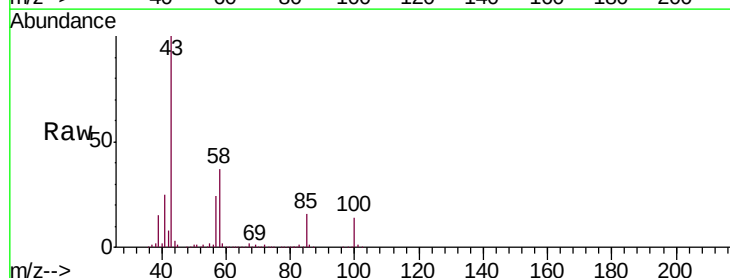
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

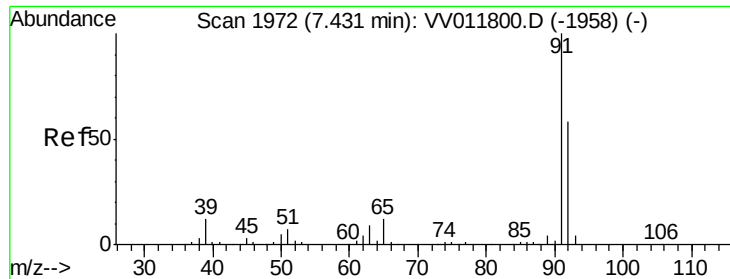
Tgt Ion: 75 Resp: 99152
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 56.356 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

Tgt Ion: 43 Resp: 452681
 Ion Ratio Lower Upper
 43 100
 58 36.5 28.7 43.1
 100 13.6 10.7 16.1





#42

Toluene

Concen: 5.679 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

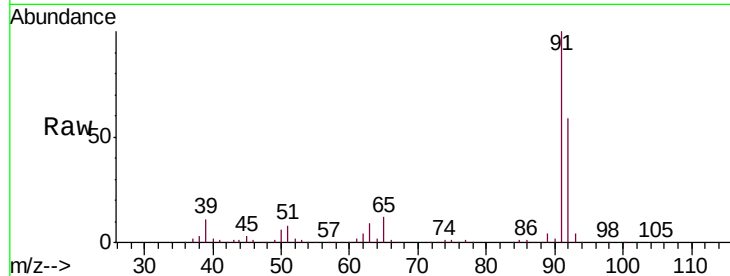
VICV33

Tgt Ion: 91 Resp: 303901

Ion Ratio Lower Upper

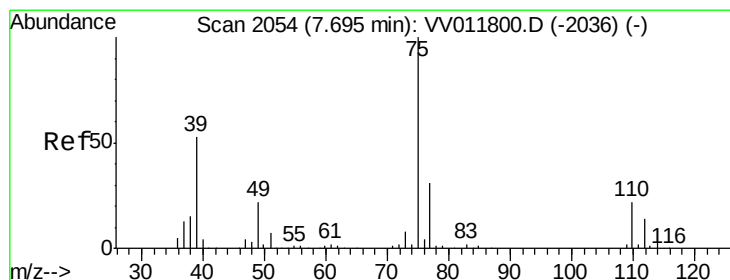
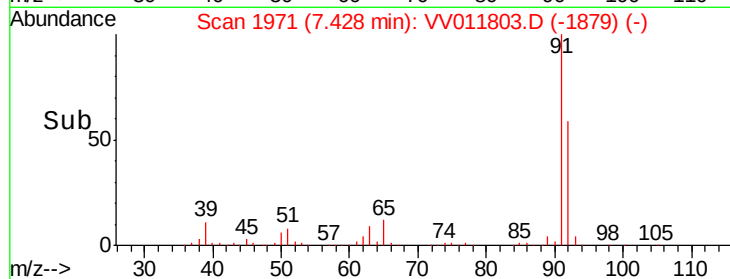
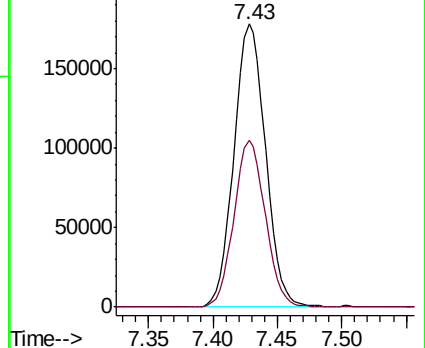
91 100

92 58.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.645 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011803.D

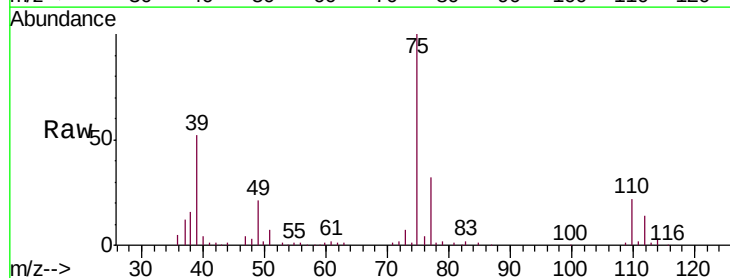
Acq: 02 Jul 2019 12:22

Tgt Ion: 75 Resp: 75382

Ion Ratio Lower Upper

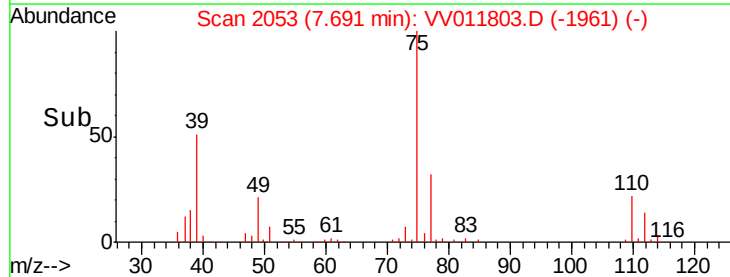
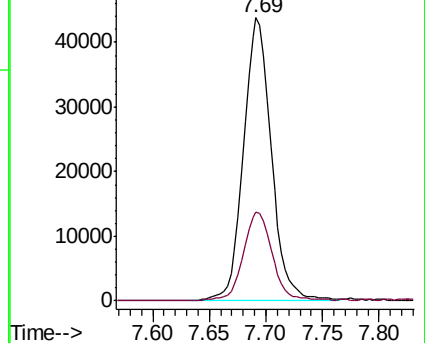
75 100

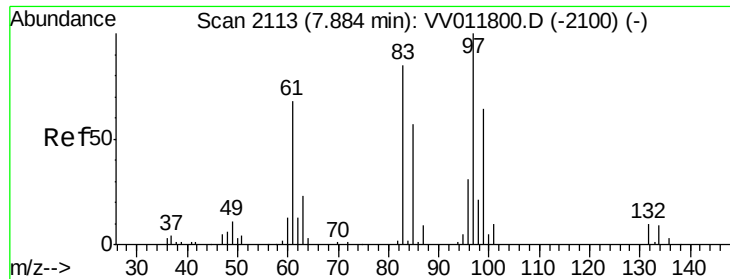
77 31.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

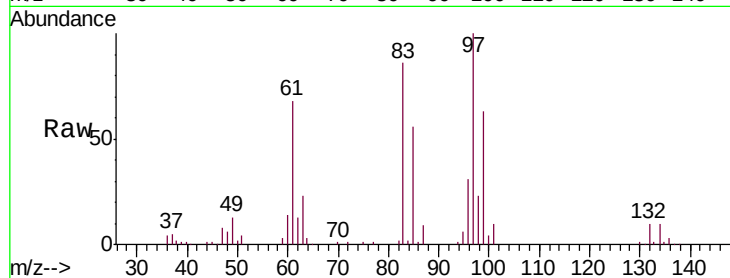




#45
 1,1,2-Trichloroethane
 Concen: 5.471 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Tgt Ion:	97	Resp:	45539
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.9	83.5
83	86.1	59.6	110.8
85	55.8	40.1	74.5



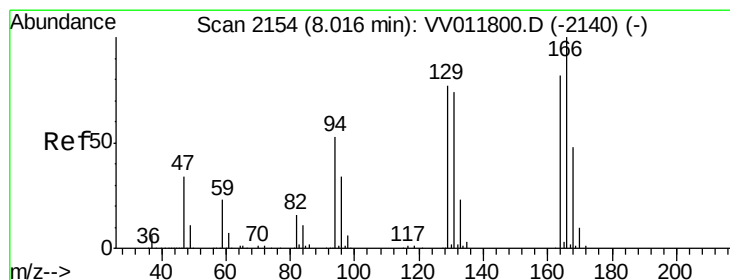
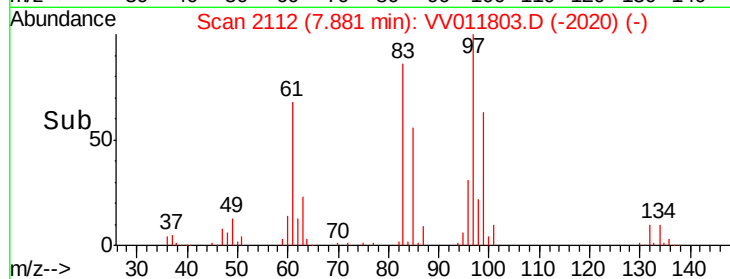
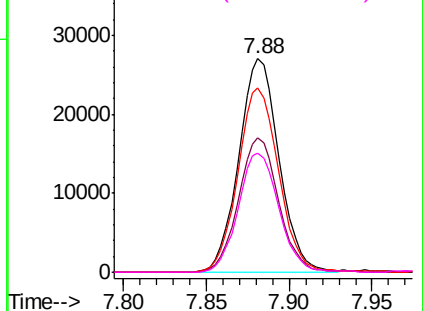
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

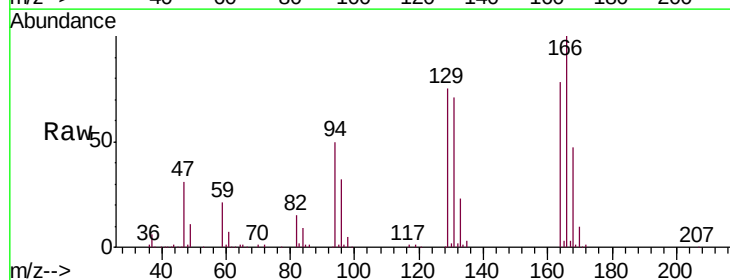
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.571 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

Tgt Ion:	164	Resp:	57786
Ion	Ratio	Lower	Upper
164	100		
129	96.7	65.7	121.9
131	91.3	63.2	117.4
166	128.8	85.8	159.3



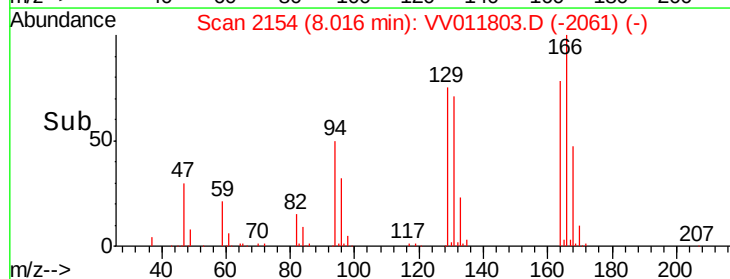
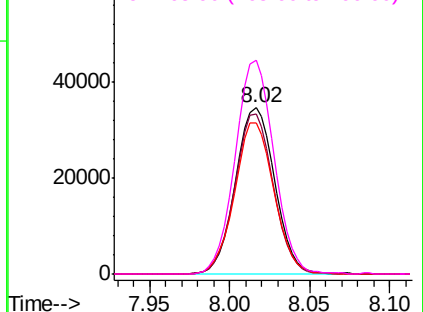
Abundance

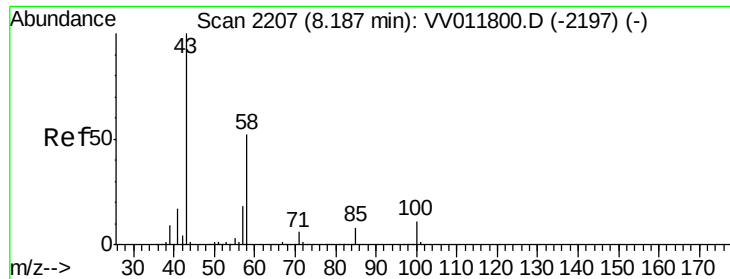
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

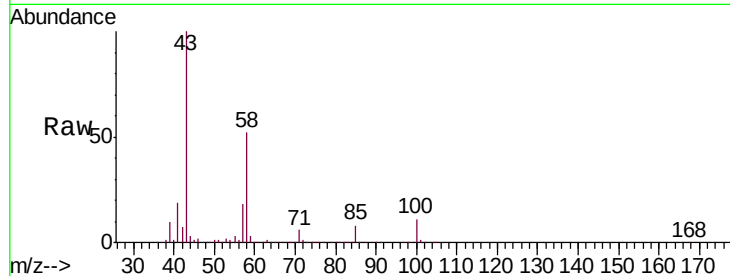




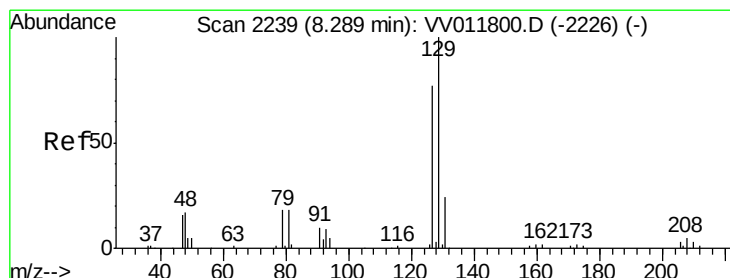
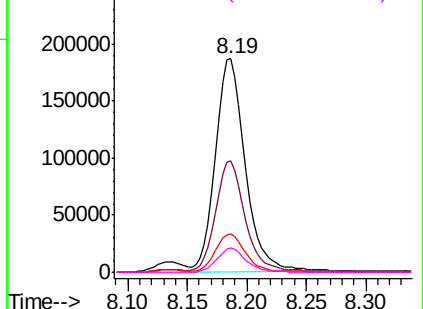
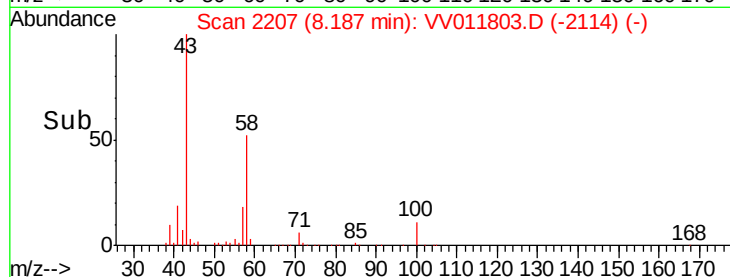
#48
2-Hexanone
Concen: 56.924 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tgt Ion:	43	Resp:	322772
Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.9	61.3
57	18.3	14.3	21.5
100	11.3	8.7	13.1

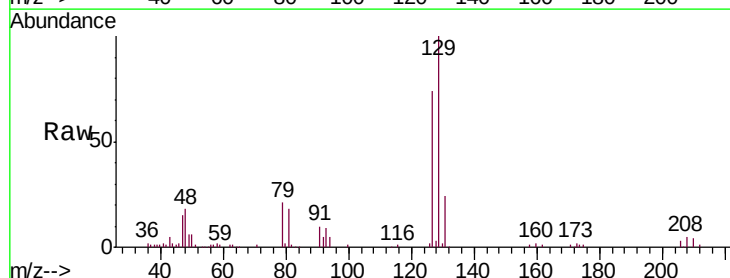


Abundance Ion 43.05 (42.75 to 43.75): VV011803.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV011803.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV011803.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV011803.D (-2114) (-)

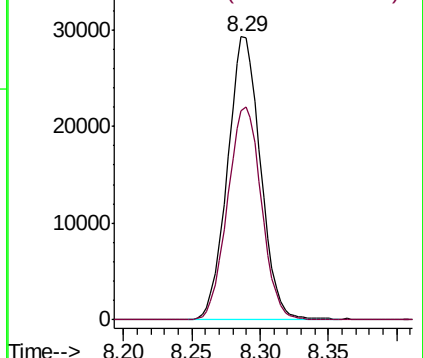
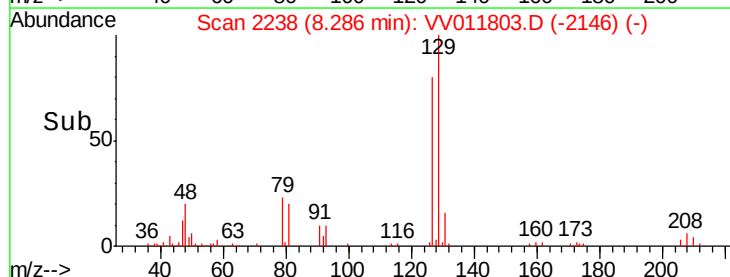


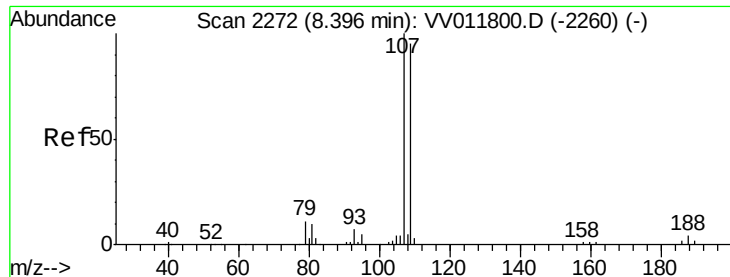
#49
Dibromochloromethane
Concen: 5.569 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Tgt Ion:	129	Resp:	49203
Ion	Ratio	Lower	Upper
129	100		
127	73.8	53.9	100.1



Abundance Ion 128.95 (128.65 to 129.65): VV011803.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011803.D (-2146) (-)

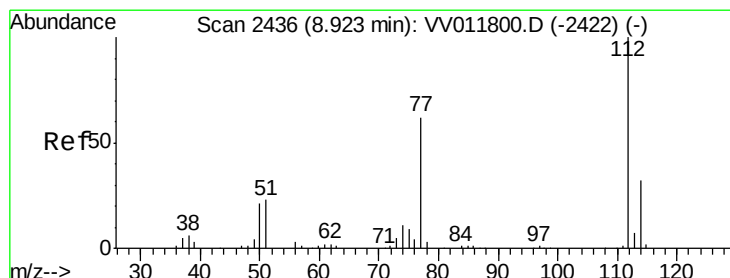
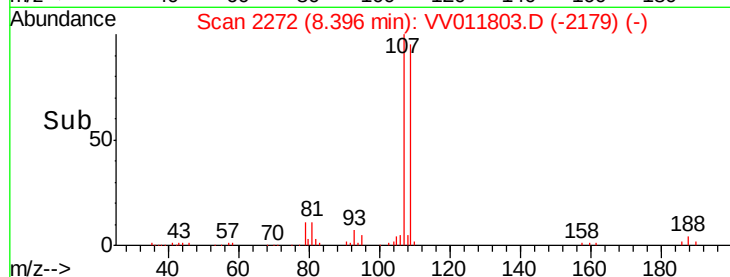
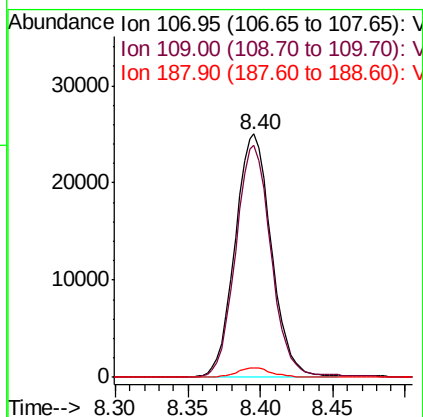
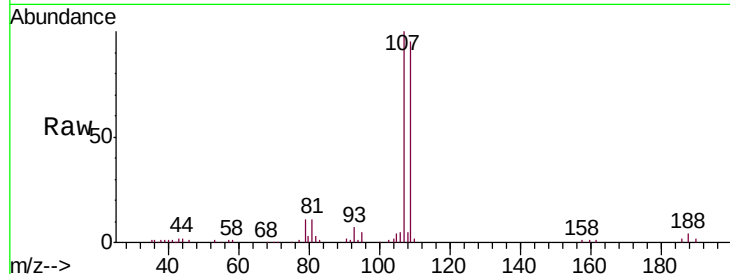




#50
1,2-Dibromoethane
Concen: 5.639 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

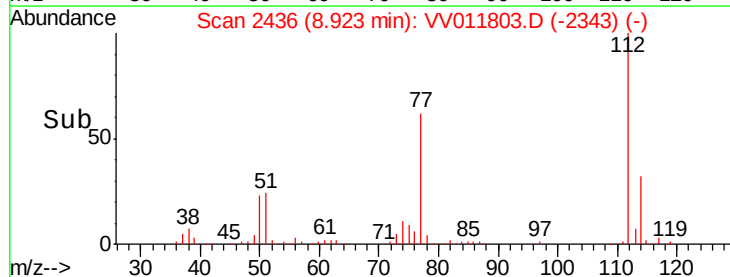
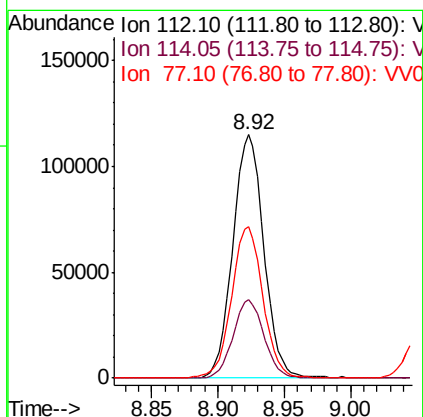
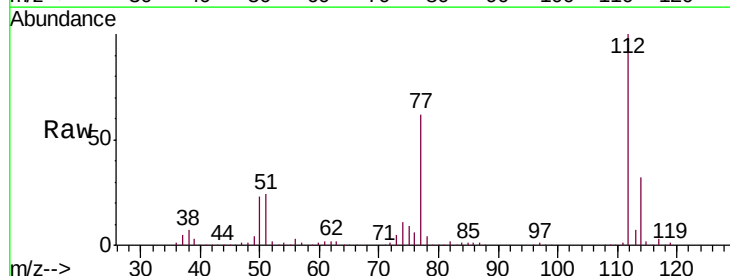
Instrument :
MSVOA_V
ClientSampleId :
VICV33

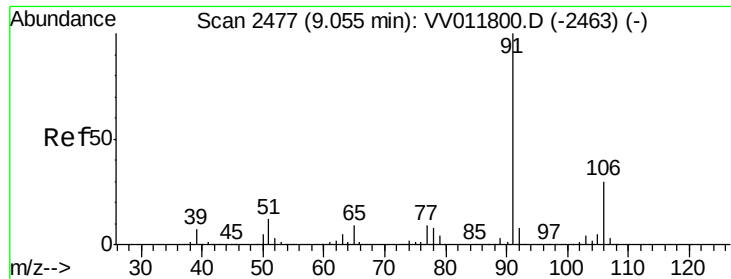
Tgt Ion:107 Resp: 43594
Ion Ratio Lower Upper
107 100
109 95.2 66.8 124.2
188 4.1 3.0 4.6



#51
Chlorobenzene
Concen: 5.532 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Tgt Ion:112 Resp: 186949
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.3
77 62.2 50.3 75.5





#52

Ethylbenzene

Concen: 5.640 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

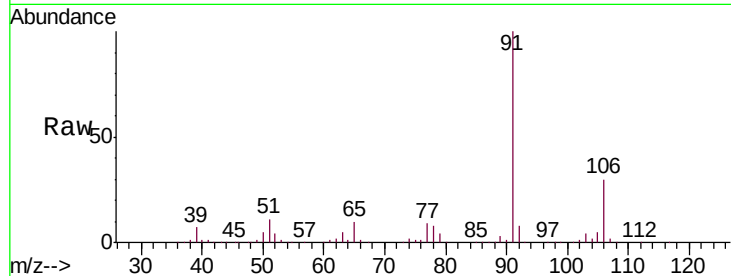
VICV33

Tgt Ion: 91 Resp: 335556

Ion Ratio Lower Upper

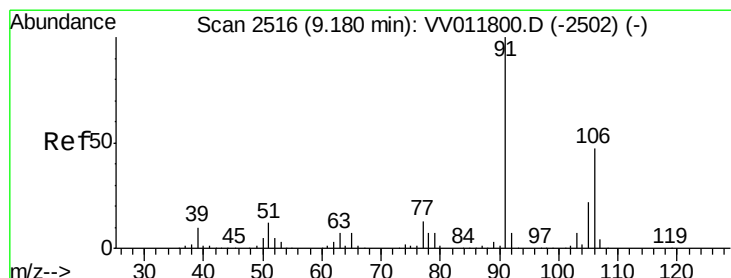
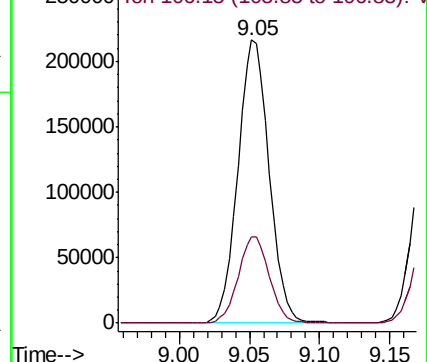
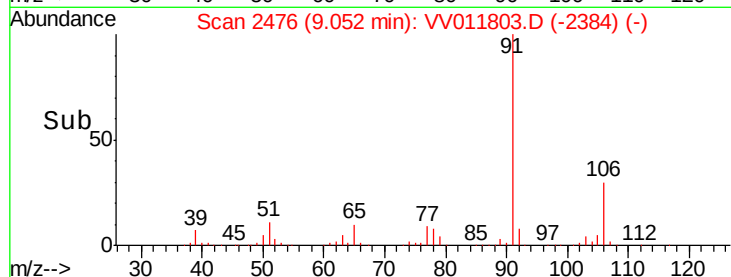
91 100

106 30.3 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV011803.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV011803.D (-2384) (-)



#53

m,p-xylene

Concen: 5.819 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011803.D

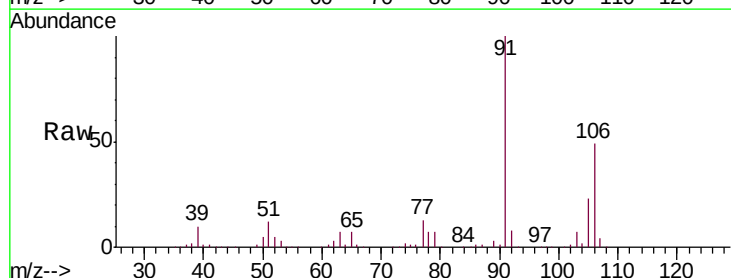
Acq: 02 Jul 2019 12:22

Tgt Ion: 106 Resp: 126596

Ion Ratio Lower Upper

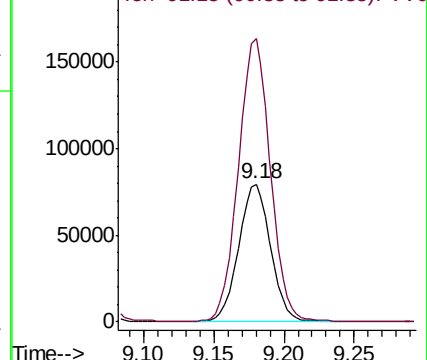
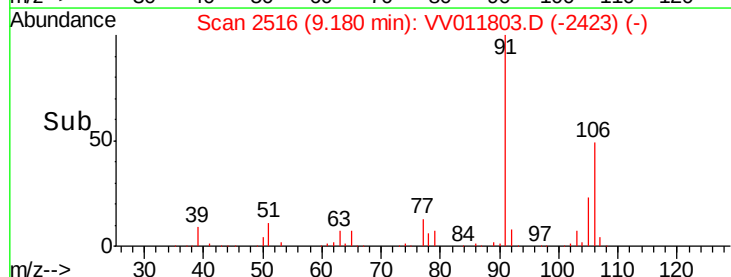
106 100

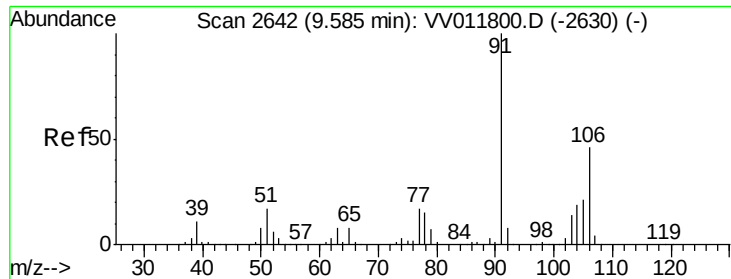
91 205.7 148.2 275.2



Abundance Ion 106.15 (105.85 to 106.85): VV011803.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV011803.D (-2423) (-)

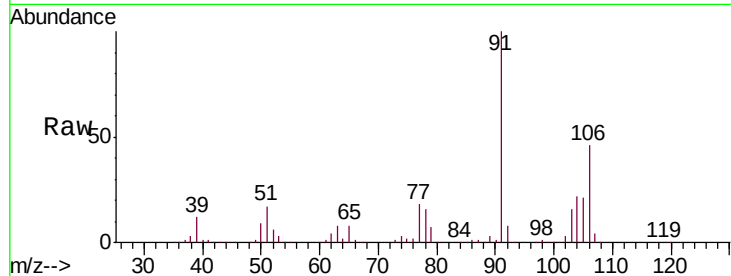




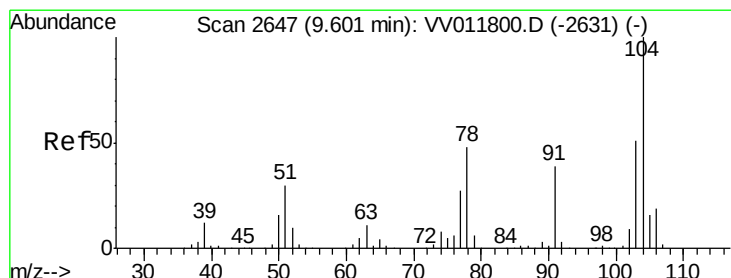
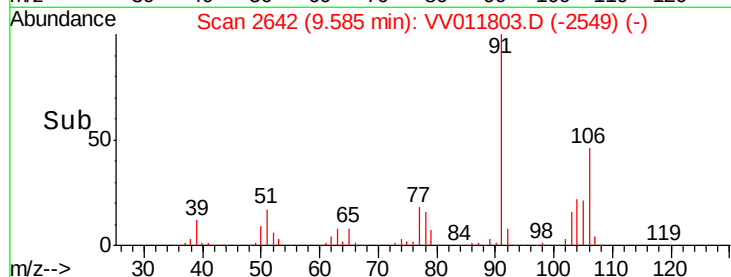
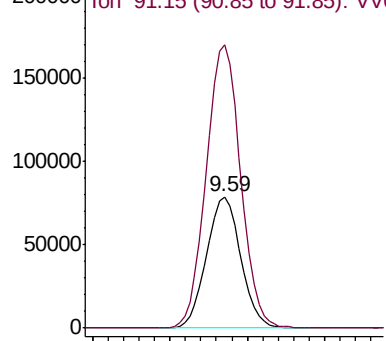
#54
o-xylene
Concen: 5.780 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tgt Ion:106 Resp: 121174
Ion Ratio Lower Upper
106 100
91 215.9 153.2 284.6

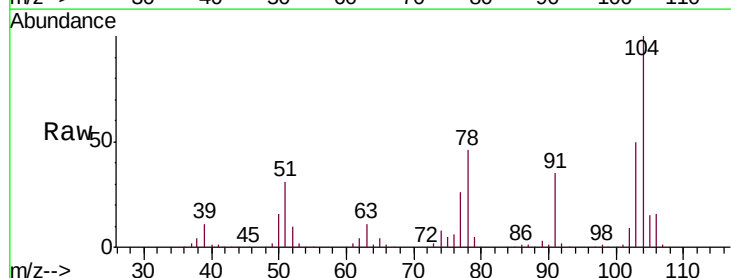


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

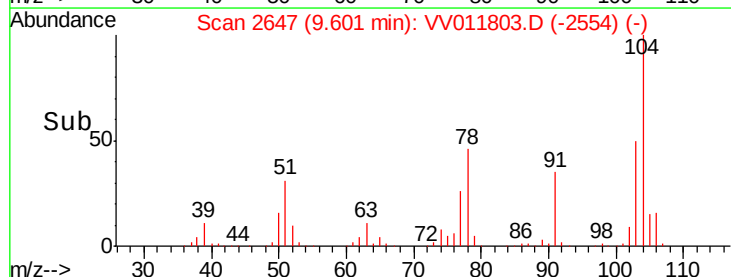
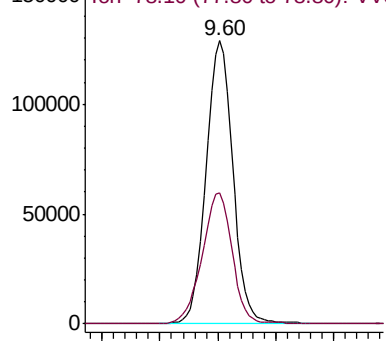


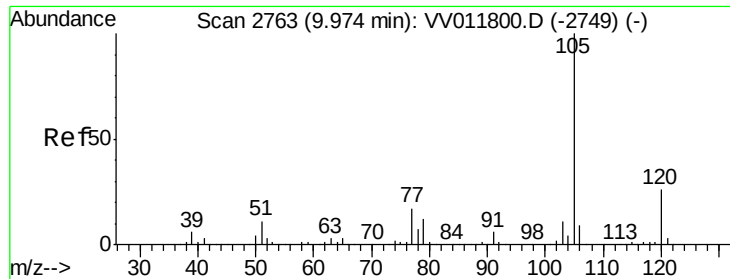
#55
Styrene
Concen: 5.880 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV011803.D
Acq: 02 Jul 2019 12:22

Tgt Ion:104 Resp: 205646
Ion Ratio Lower Upper
104 100
78 46.3 33.4 62.0



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





#56

Isopropylbenzene

Concen: 5.742 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV33

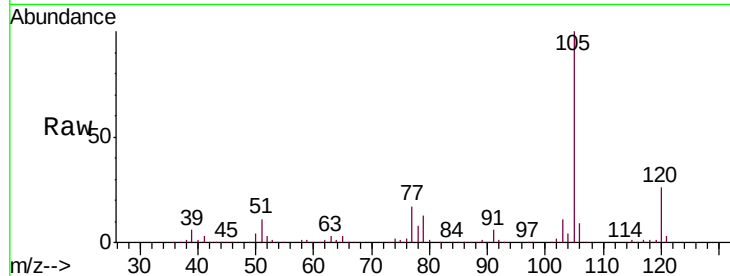
Tgt Ion: 105 Resp: 325753

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

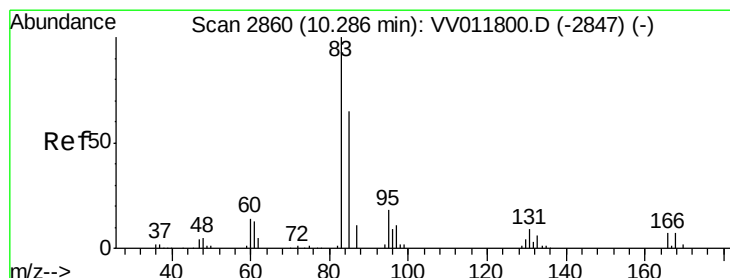
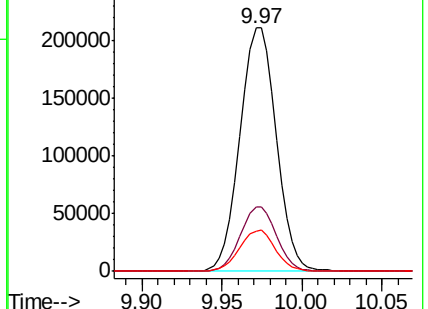
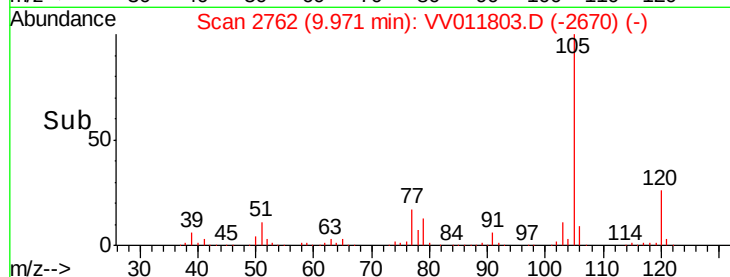
77 16.8 13.5 20.3



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.326 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

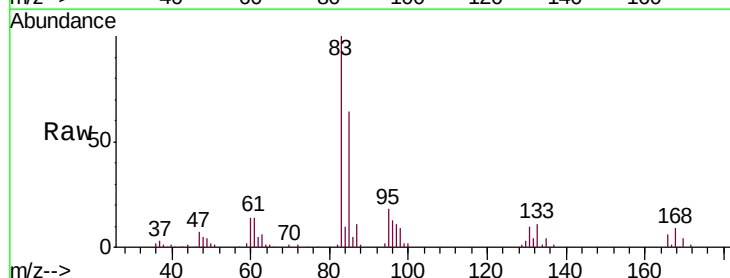
Tgt Ion: 83 Resp: 54288

Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.7

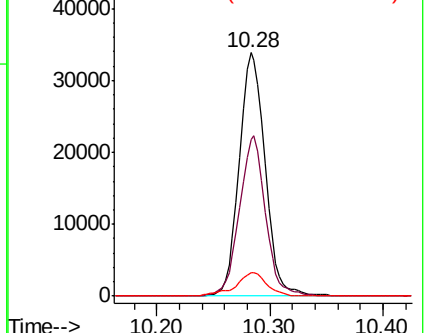
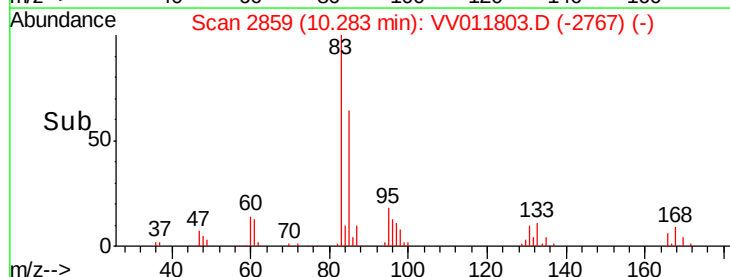
131 9.6 7.8 11.6

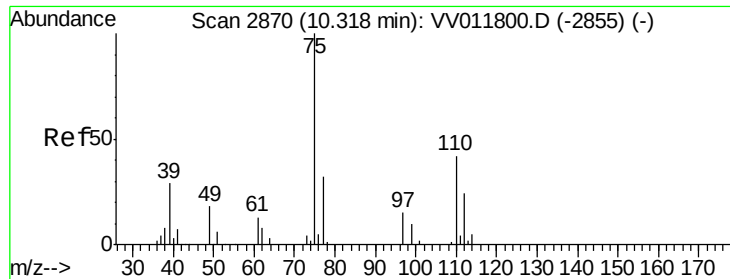


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.458 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

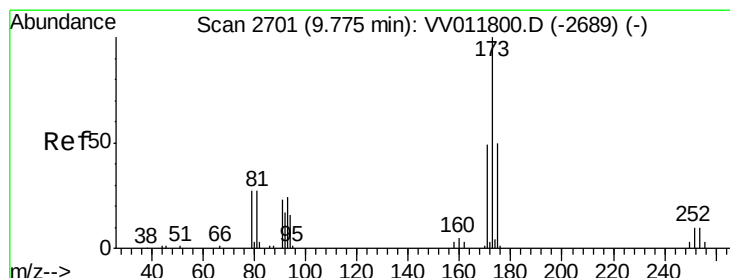
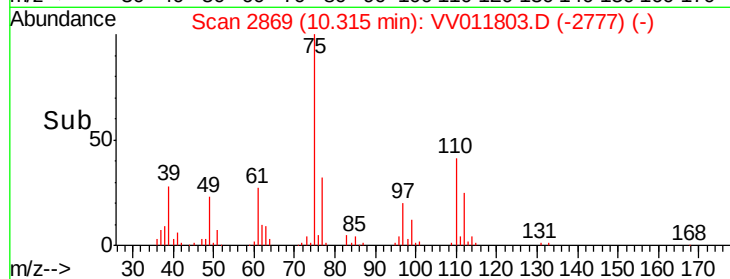
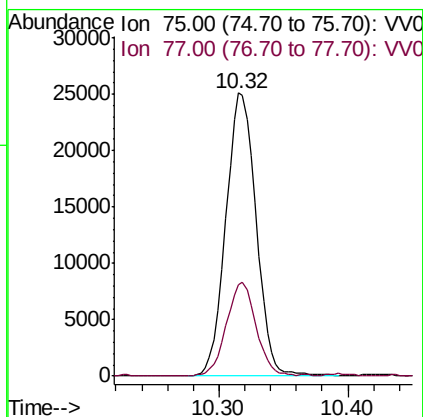
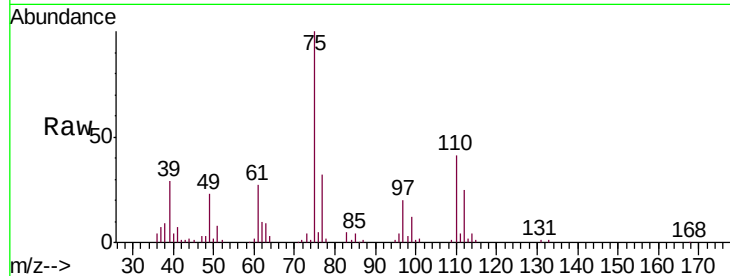
VICV33

Tgt Ion: 75 Resp: 40974

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



#61

Bromoform

Concen: 5.284 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

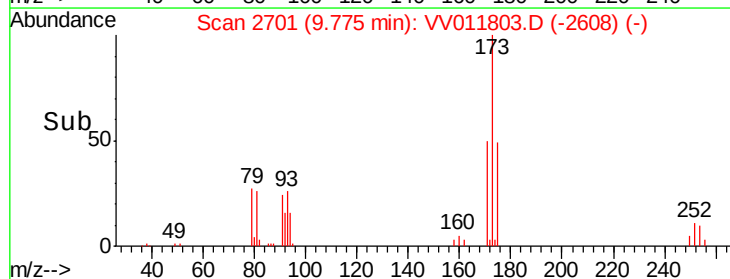
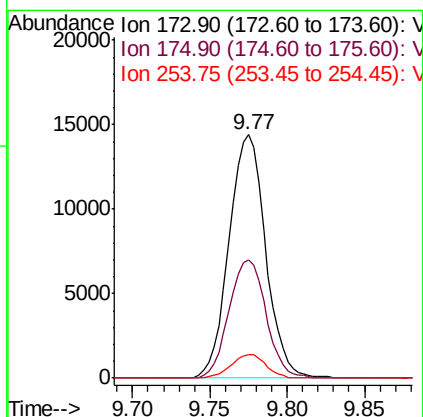
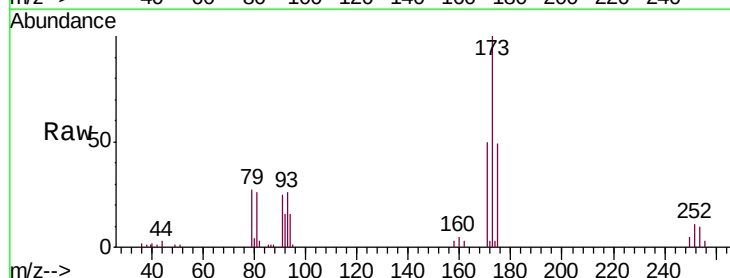
Tgt Ion: 173 Resp: 23668

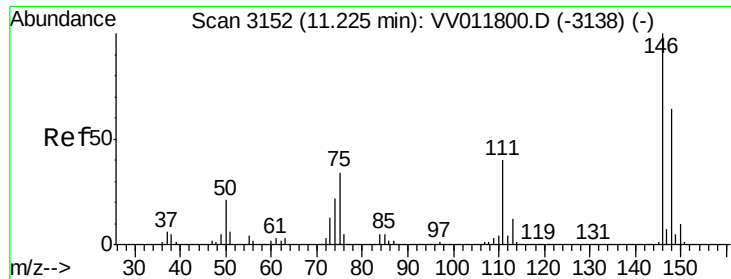
Ion Ratio Lower Upper

173 100

175 49.2 38.1 57.1

254 9.1 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 5.529 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV33

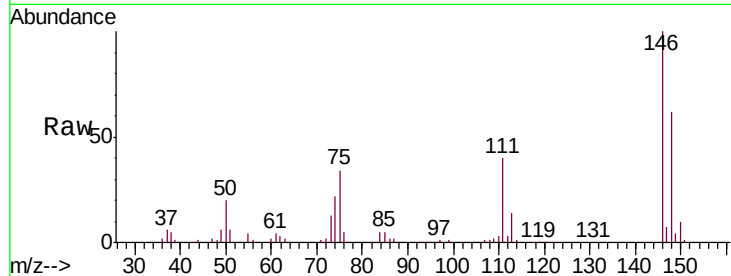
Tgt Ion:146 Resp: 143599

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.1

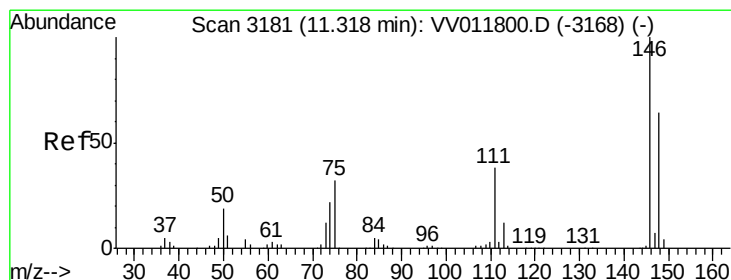
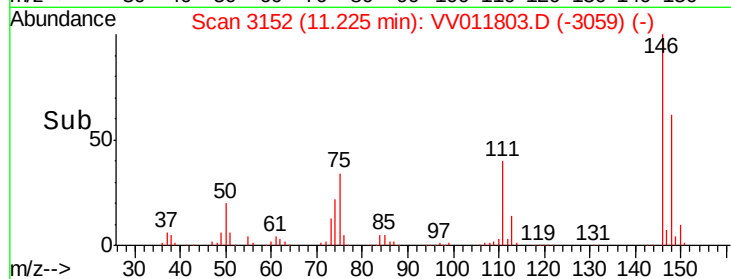
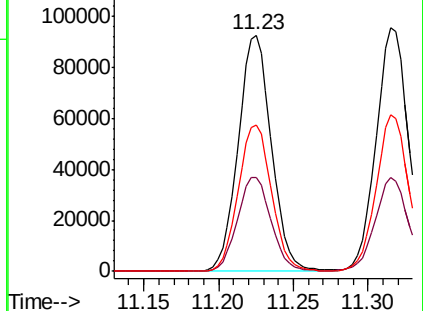
148 62.1 44.7 83.1



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



#63

1,4-Dichlorobenzene

Concen: 5.472 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

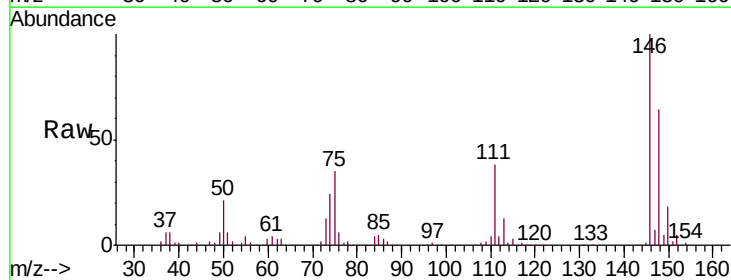
Tgt Ion:146 Resp: 145160

Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.4

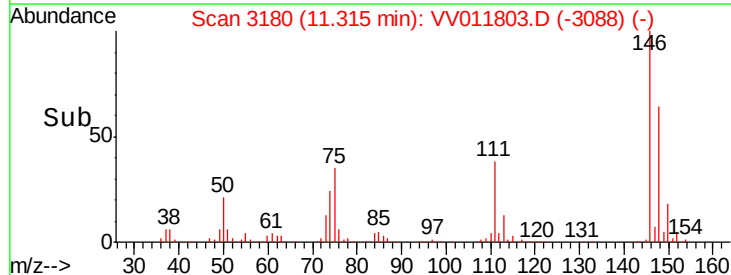
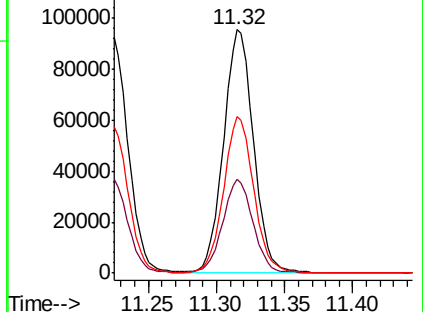
148 64.1 45.1 83.7

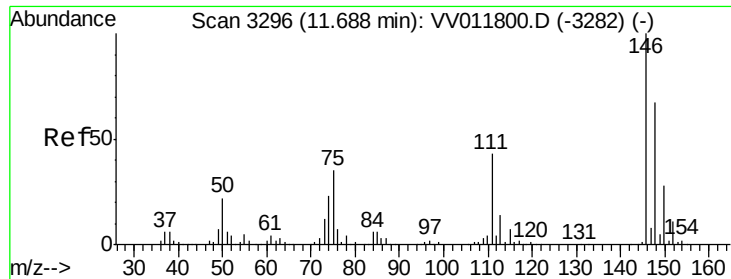


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.502 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV33

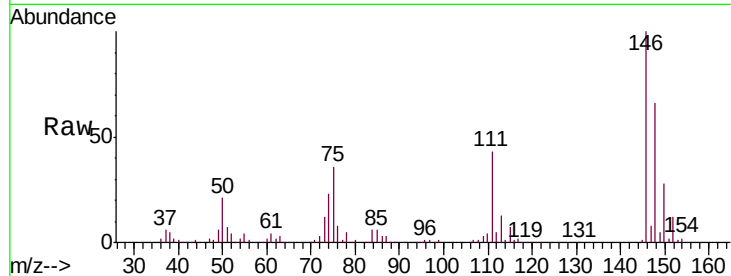
Tgt Ion: 146 Resp: 134982

Ion Ratio Lower Upper

146 100

111 43.5 34.6 52.0

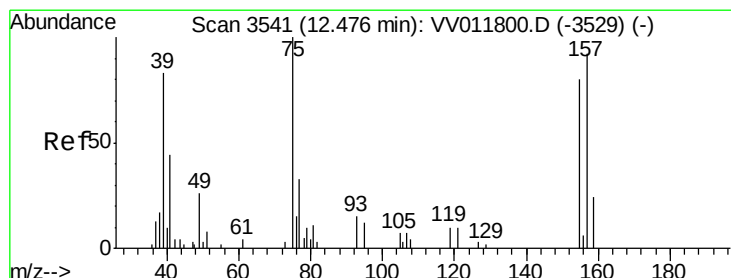
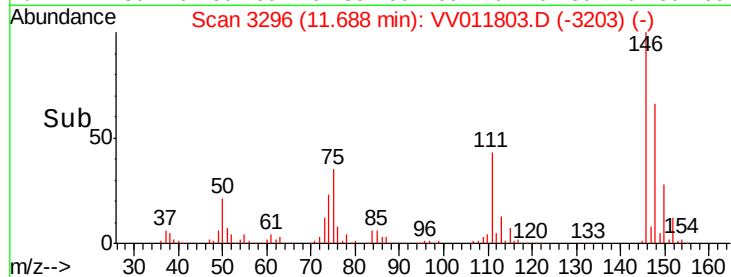
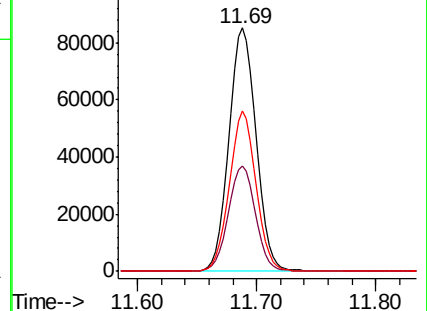
148 65.8 53.3 79.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.152 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

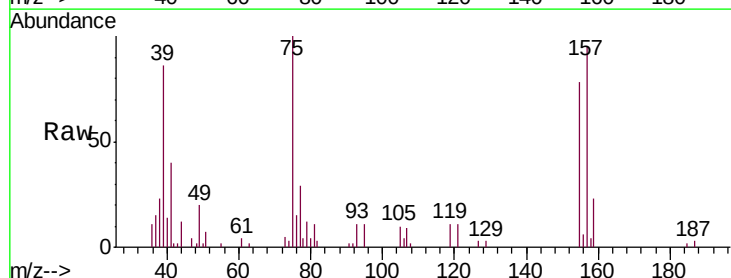
Tgt Ion: 75 Resp: 8017

Ion Ratio Lower Upper

75 100

155 77.6 64.2 96.4

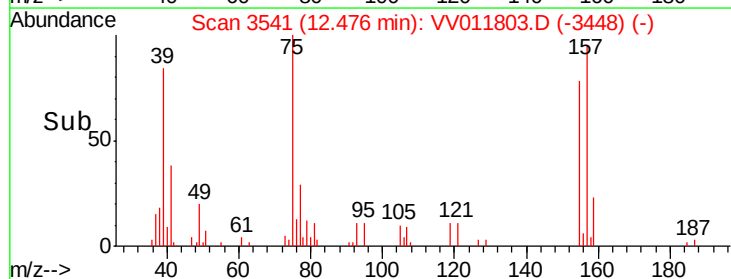
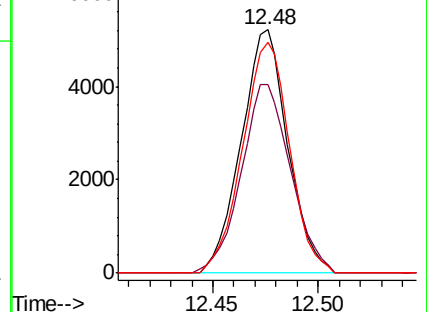
157 94.7 73.6 110.4

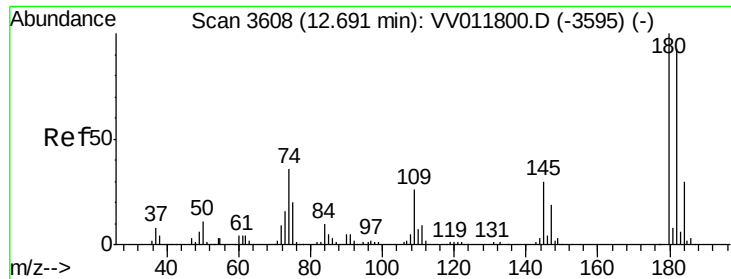


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

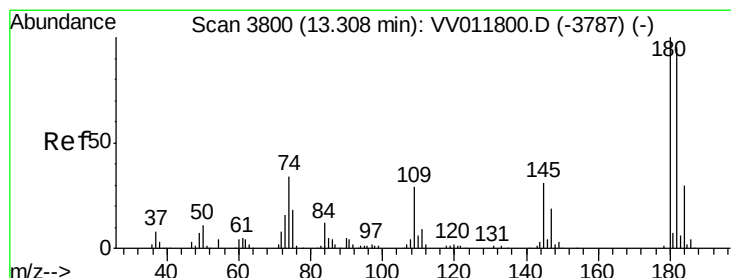
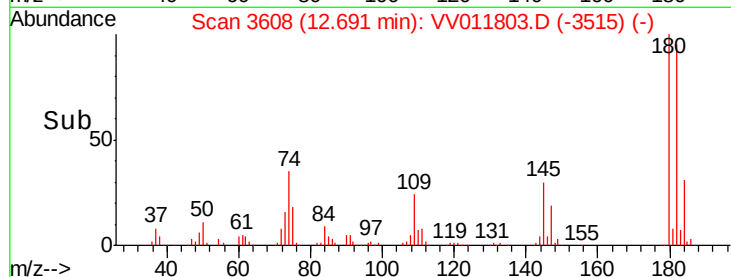
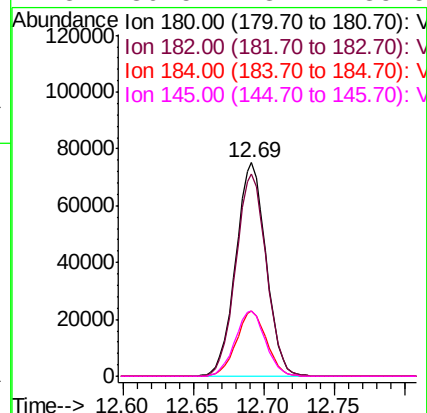
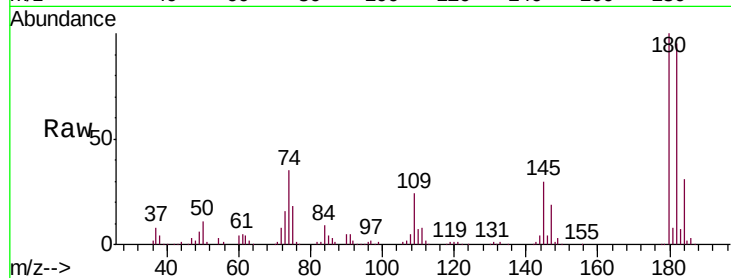




#67
 1,3,5-Trichlorobenzene
 Concen: 5.637 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

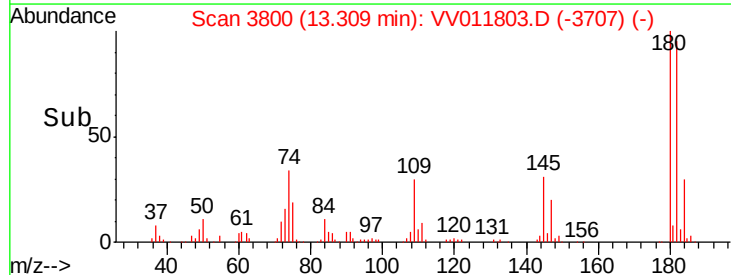
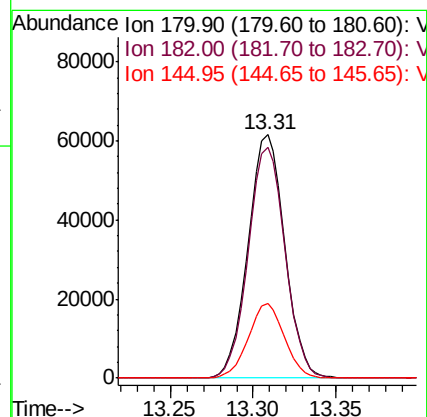
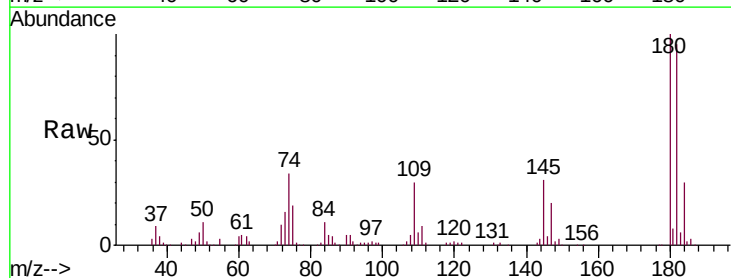
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

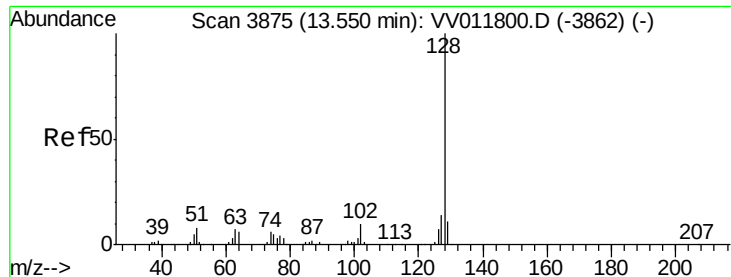
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.3	112.9
184	30.4	24.2	36.4
145	30.5	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.837 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011803.D
 Acq: 02 Jul 2019 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
145	30.2	24.5	36.7





#69

Naphthalene

Concen: 6.039 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV33

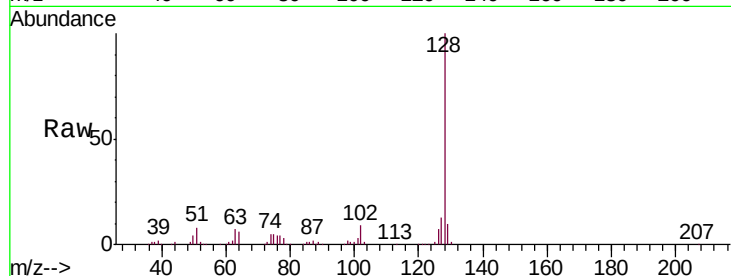
Tgt Ion:128 Resp: 156091

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

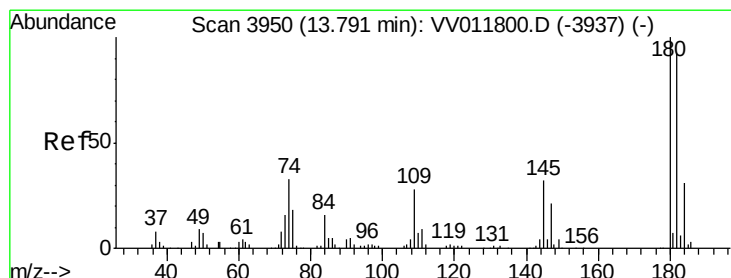
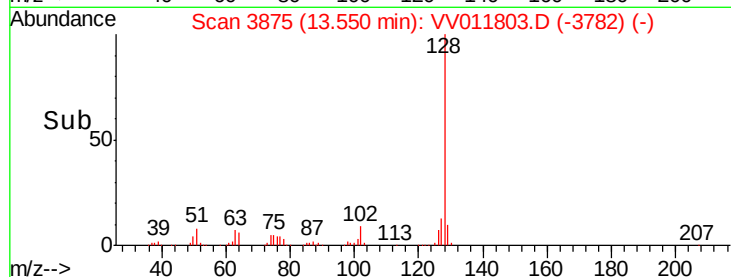
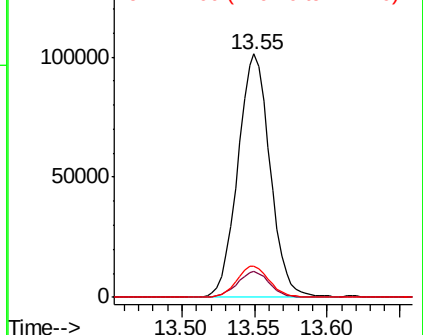
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.840 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011803.D

Acq: 02 Jul 2019 12:22

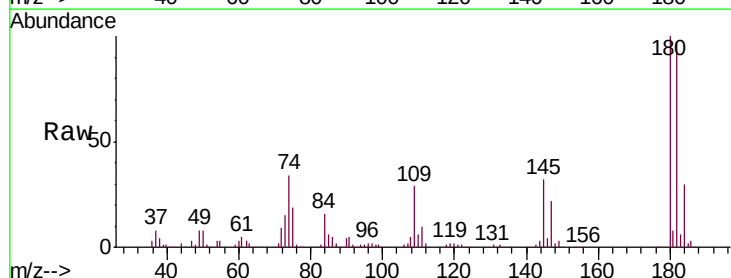
Tgt Ion:180 Resp: 87833

Ion Ratio Lower Upper

180 100

182 95.8 74.7 112.1

145 32.6 26.2 39.4



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

