

Data File : VV010580.D
Acq On : 30 Apr 2019 17:51
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV40

Quant Time: May 01 07:52:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 01 07:49:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	193967	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	201040	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93786	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54075	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.58	69	40310	5.47	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.13	63	111781	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.20%
20) 2-Butanone-d5	3.95	46	142204	57.83	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.66%
24) Chloroform-d	4.40	84	127629	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
26) 1,2-Dichloroethane-d4	5.08	65	60747	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.10	84	243828	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.12	67	70643	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.36	98	241973	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
43) trans-1,3-Dichloropropene-	7.66	79	27448	5.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.40%
46) 2-Hexanone-d5	8.13	63	115445	55.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53867	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	84782	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	99770	5.825 ug/L	96
3) Chloromethane	1.25	50	78282	4.823 ug/L	99
5) Vinyl chloride	1.32	62	81277	5.085 ug/L	98
6) Bromomethane	1.54	94	50103	7.915 ug/L	94
8) Chloroethane	1.60	64	42238	5.418 ug/L	93
9) Trichlorofluoromethane	1.77	101	135833	5.330 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	71267	5.503 ug/L	97
12) 1,1-Dichloroethene	2.14	96	60480	5.354 ug/L	99
13) Acetone	2.22	43	85171	56.022 ug/L	99
14) Carbon disulfide	2.32	76	173675	5.429 ug/L	98
15) Methyl Acetate	2.47	43	22505	4.433 ug/L	99
16) Methylene chloride	2.53	84	69906	4.850 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	142584	5.550 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	70393	5.642 ug/L	100
19) 1,1-Dichloroethane	3.23	63	126705	5.469 ug/L	97
21) 2-Butanone	4.04	43	152835	56.360 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	73662	5.342 ug/L	100

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MSVOA_V
ClientSampleId :
VICV40

Quant Time: May 01 07:52:12 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 01 07:49:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31355	5.634	ug/L	90
25) Chloroform	4.43	83	136382	5.496	ug/L	100
27) 1,2-Dichloroethane	5.18	62	78250	5.519	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	118017	5.380	ug/L	99
30) Cyclohexane	4.72	56	110221	5.435	ug/L	96
31) Carbon tetrachloride	4.87	117	108522	5.368	ug/L	97
33) Benzene	5.14	78	286204	5.506	ug/L	100
34) Trichloroethene	5.96	95	76082	5.036	ug/L	97
35) Methylcyclohexane	6.17	83	113149	5.380	ug/L	97
37) 1,2-Dichloropropane	6.22	63	67273	5.213	ug/L	99
38) Bromodichloromethane	6.56	83	90429	5.403	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	98101	5.438	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	392071	56.007	ug/L	99
42) Toluene	7.43	91	315698	5.447	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	74278	5.429	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	48385	5.496	ug/L	94
47) Tetrachloroethene	8.02	164	60179	5.221	ug/L	99
48) 2-Hexanone	8.19	43	284692	56.546	ug/L	100
49) Dibromochloromethane	8.29	129	59555	5.585	ug/L	93
50) 1,2-Dibromoethane	8.40	107	45634	5.459	ug/L #	98
51) Chlorobenzene	8.93	112	204674	5.315	ug/L	98
52) Ethylbenzene	9.05	91	347058	5.495	ug/L	99
53) m,p-xylene	9.18	106	134310	5.588	ug/L	97
54) o-xylene	9.59	106	133020	5.572	ug/L	97
55) Styrene	9.60	104	219605	5.653	ug/L	98
56) Isopropylbenzene	9.97	105	350356	5.707	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	53508	4.965	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	42127	5.366	ug/L	98
61) Bromoform	9.77	173	29801	5.723	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	154863	5.471	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	155995	5.453	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	146332	5.456	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8585	5.182	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	114379	5.461	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	89727	5.601	ug/L	98
69) Naphthalene	13.55	128	143234	5.583	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	83845	5.704	ug/L	95

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

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV40

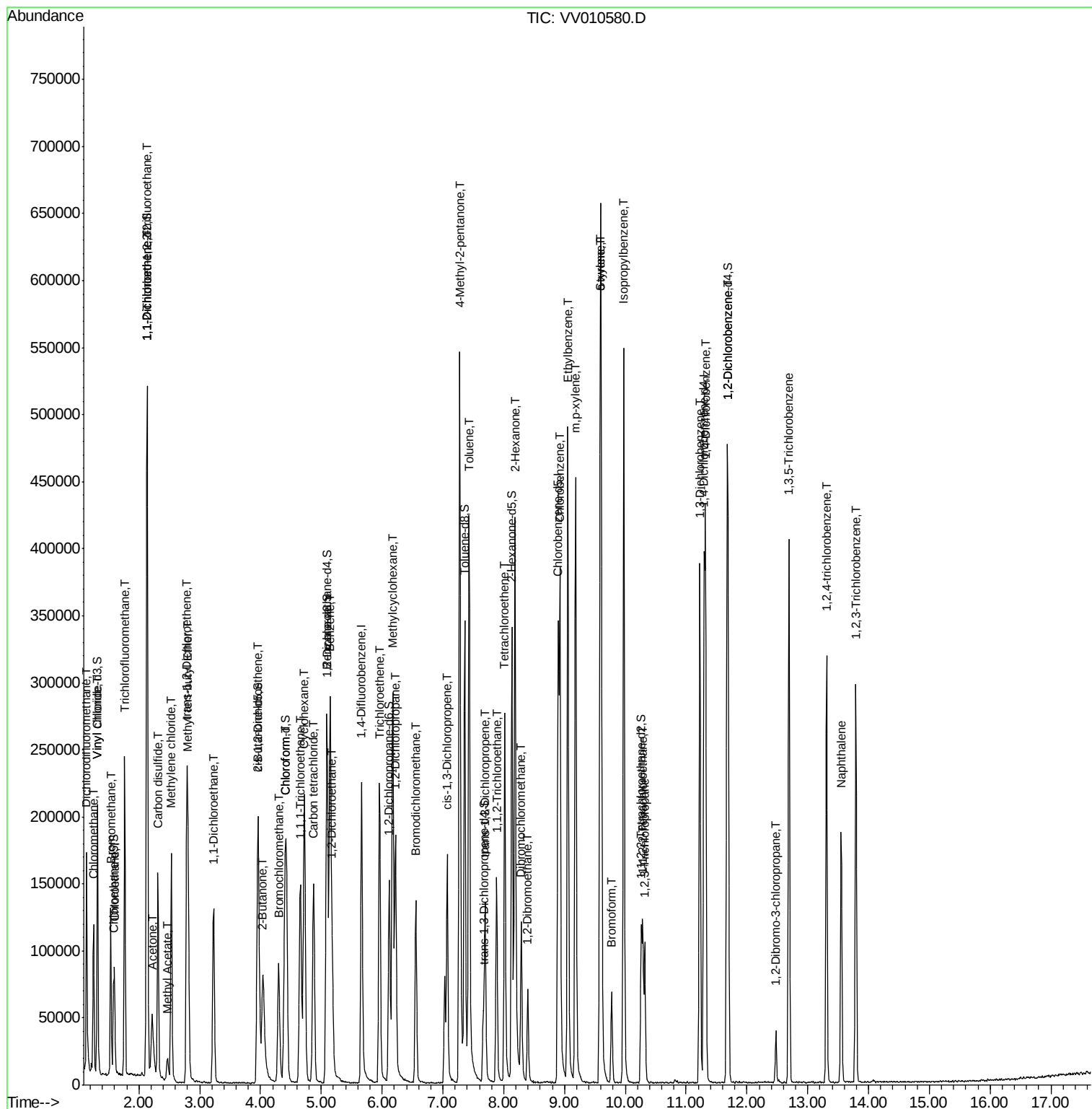
Quant Time: May 01 07:52:12 2019

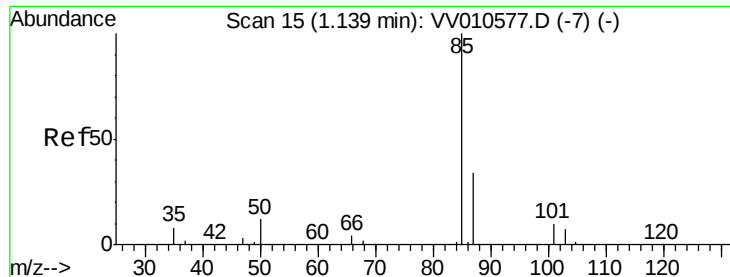
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR050119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed May 01 07:49:40 2019

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#2

Dichlorodifluoromethane

Concen: 5.825 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampled :

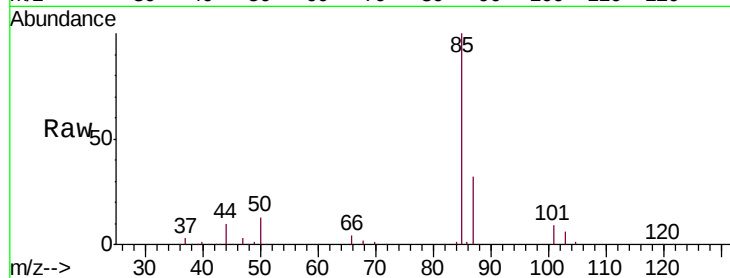
VICV40

Tgt Ion: 85 Resp: 99770

Ion Ratio Lower Upper

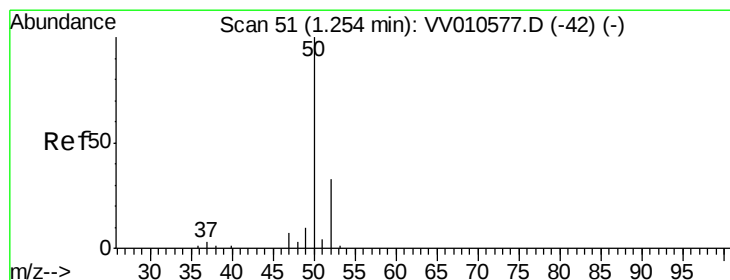
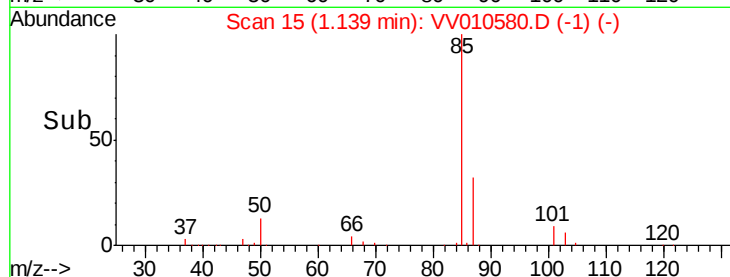
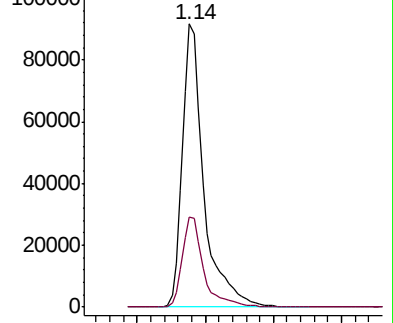
85 100

87 31.6 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.823 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010580.D

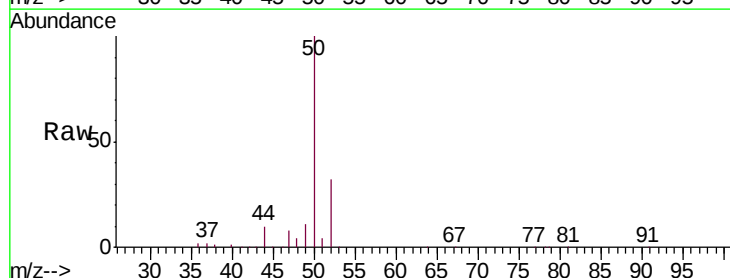
Acq: 30 Apr 2019 17:51

Tgt Ion: 50 Resp: 78282

Ion Ratio Lower Upper

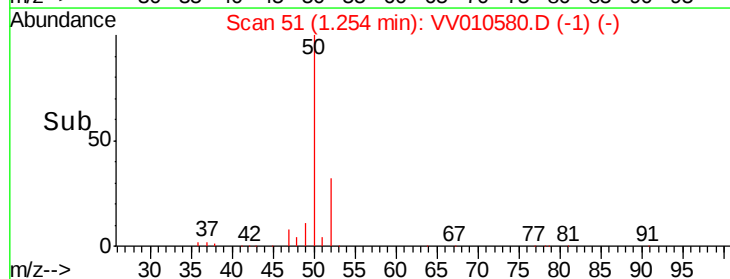
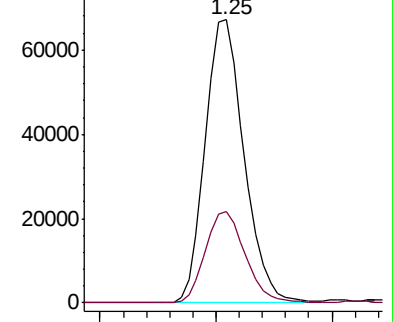
50 100

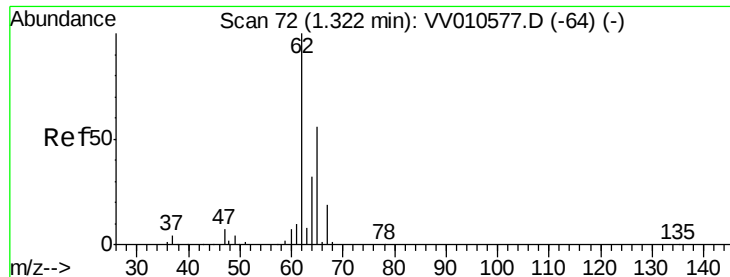
52 32.2 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.085 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

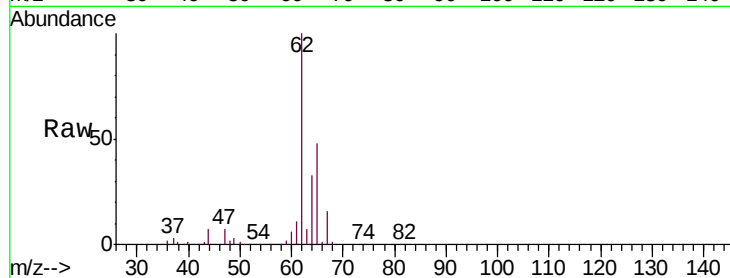
VICV40

Tgt Ion: 62 Resp: 81277

Ion Ratio Lower Upper

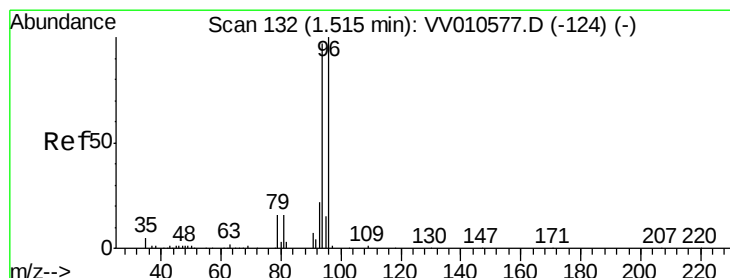
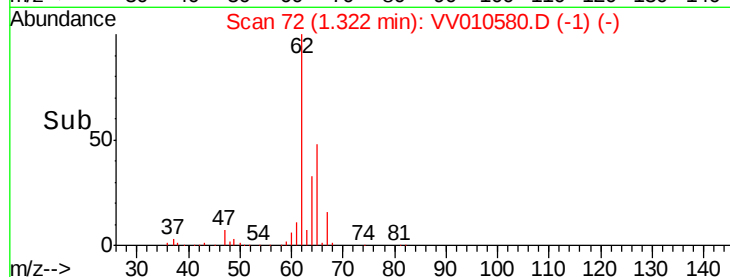
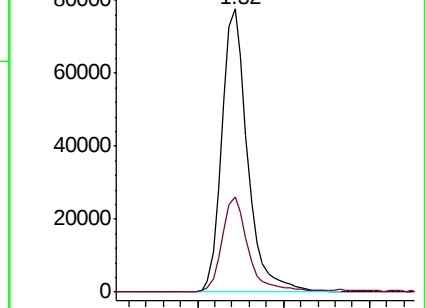
62 100

64 33.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV010577.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010580.D (-39) (-)



#6

Bromomethane

Concen: 7.915 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.02 min

Lab File: VV010580.D

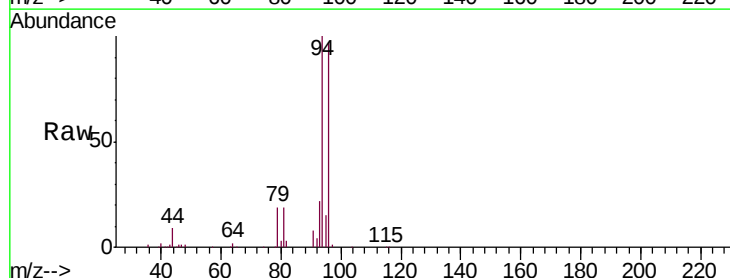
Acq: 30 Apr 2019 17:51

Tgt Ion: 94 Resp: 50103

Ion Ratio Lower Upper

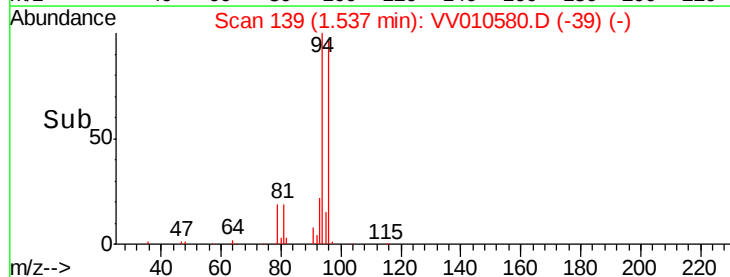
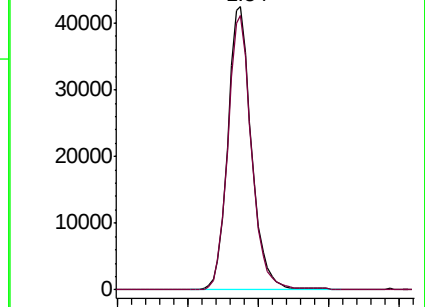
94 100

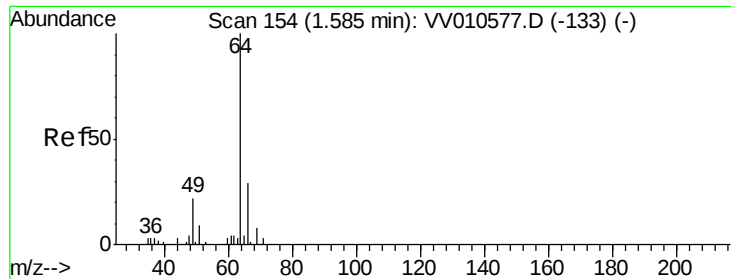
96 97.1 72.3 134.3



Abundance Ion 94.00 (93.70 to 94.70): VV010577.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV010580.D (-39) (-)





#8

Chloroethane

Concen: 5.418 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

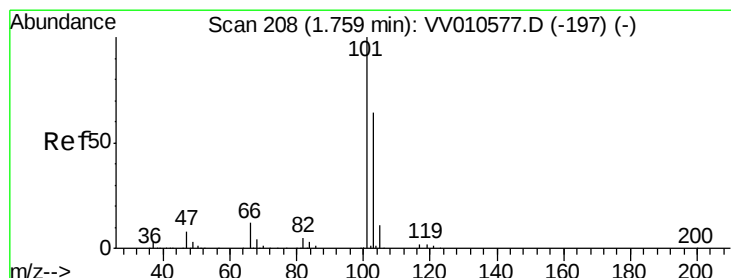
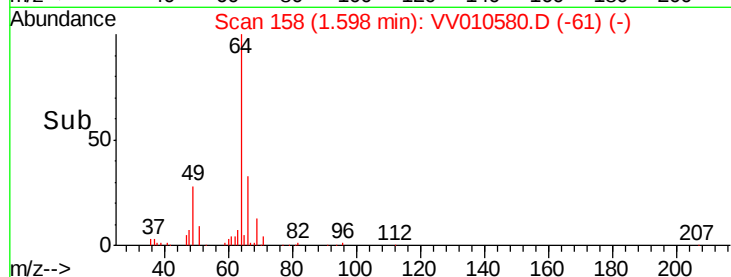
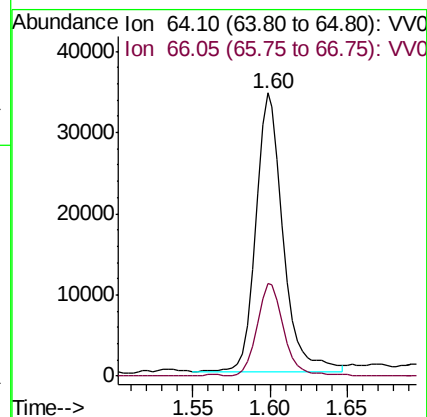
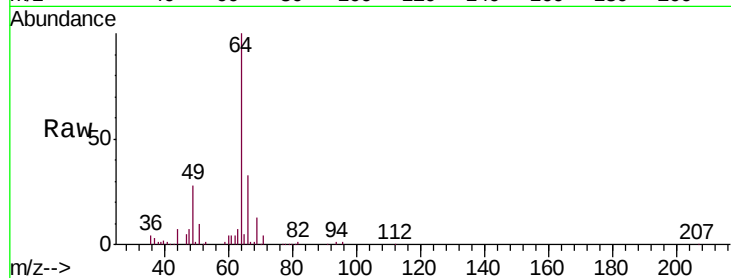
VICV40

Tgt Ion: 64 Resp: 42238

Ion Ratio Lower Upper

64 100

66 32.6 20.3 37.7



#9

Trichlorofluoromethane

Concen: 5.330 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV010580.D

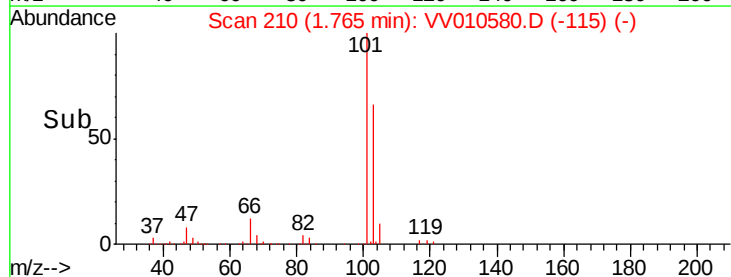
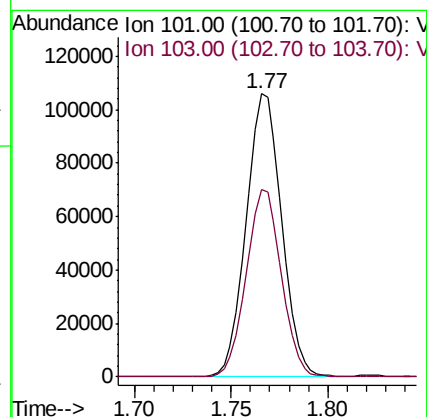
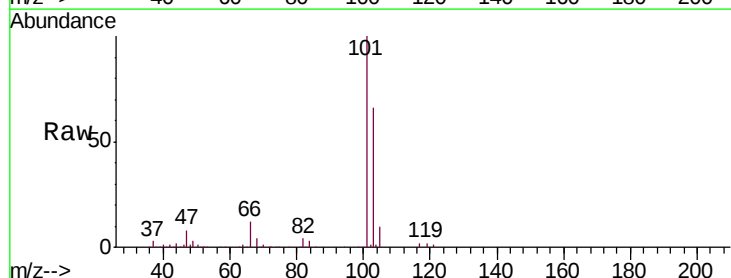
Acq: 30 Apr 2019 17:51

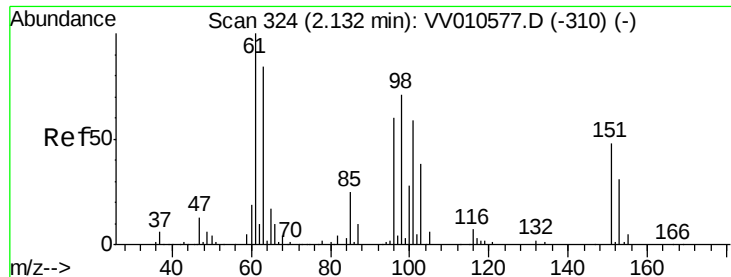
Tgt Ion: 101 Resp: 135833

Ion Ratio Lower Upper

101 100

103 65.3 52.2 78.4





#10

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

Concen: 5.503 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

VICV40

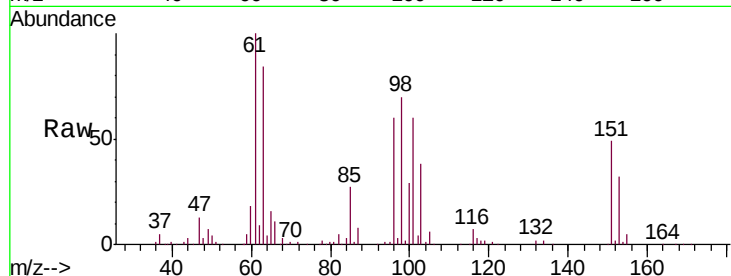
Tgt Ion: 101 Resp: 71267

Ion Ratio Lower Upper

101 100

85 43.8 35.6 53.4

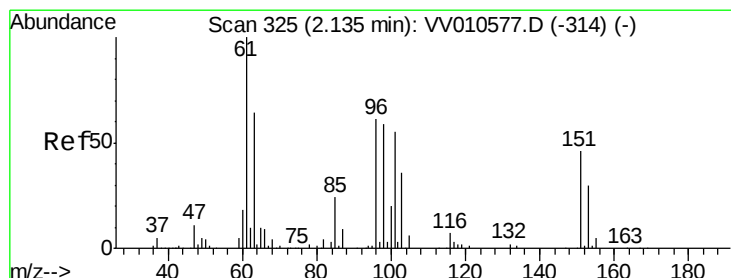
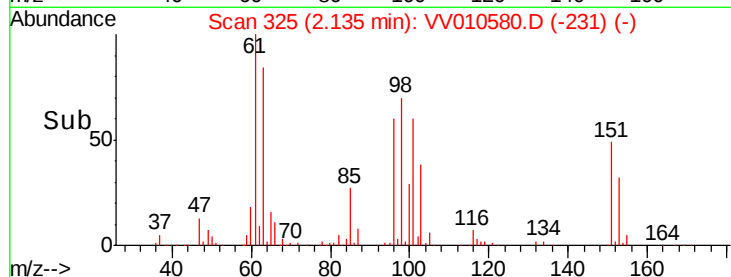
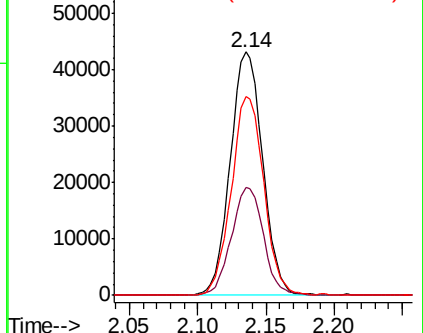
151 81.8 67.9 101.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.354 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

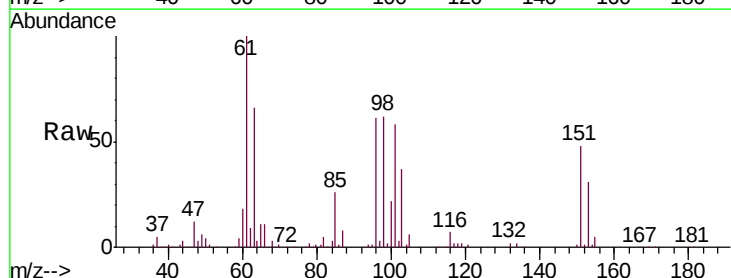
Tgt Ion: 96 Resp: 60480

Ion Ratio Lower Upper

96 100

61 163.5 115.6 214.8

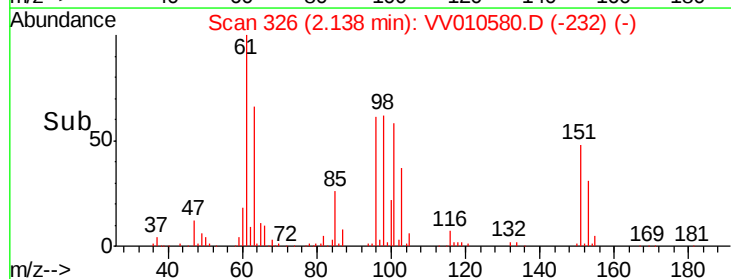
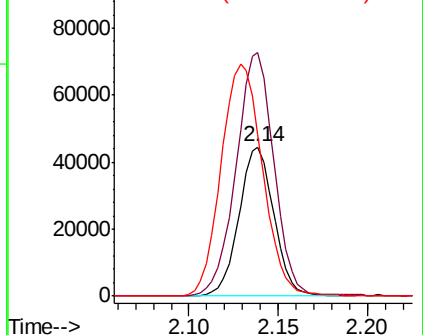
63 108.2 76.6 142.3

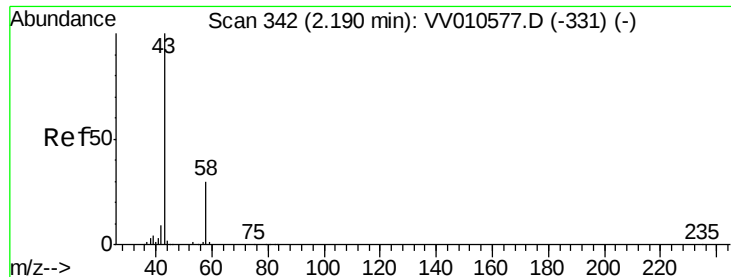


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.022 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.03 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

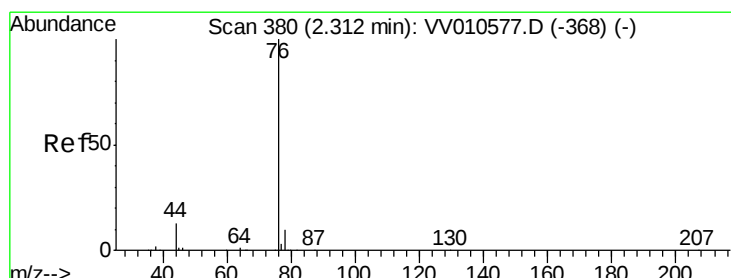
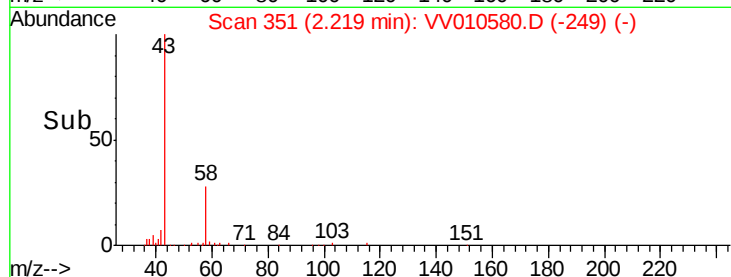
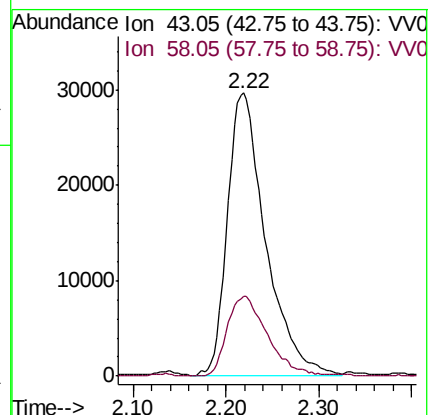
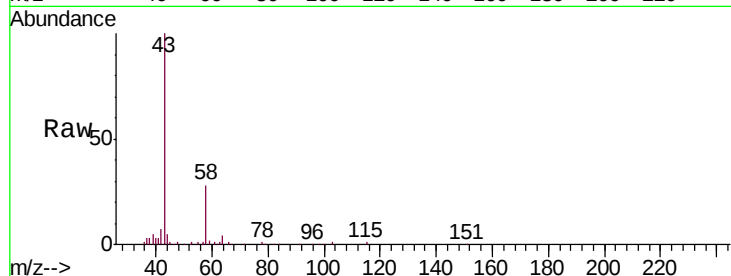
Instrument :
MSVOA_V
ClientSampleId :
VICV40

Tgt Ion: 43 Resp: 85171

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.8



#14

Carbon disulfide

Concen: 5.429 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010580.D

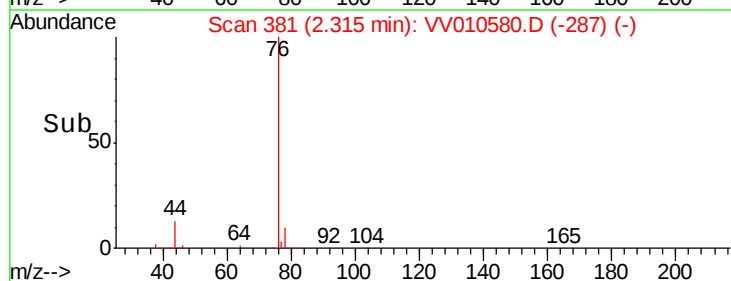
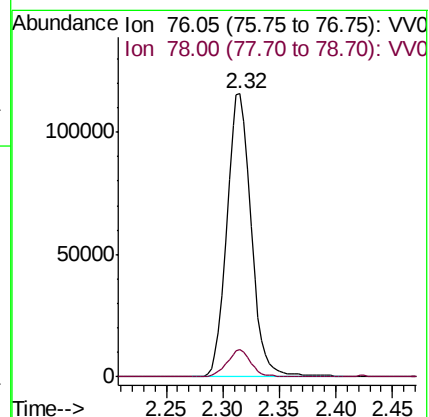
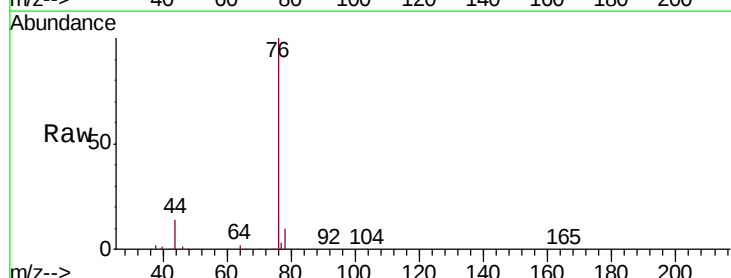
Acq: 30 Apr 2019 17:51

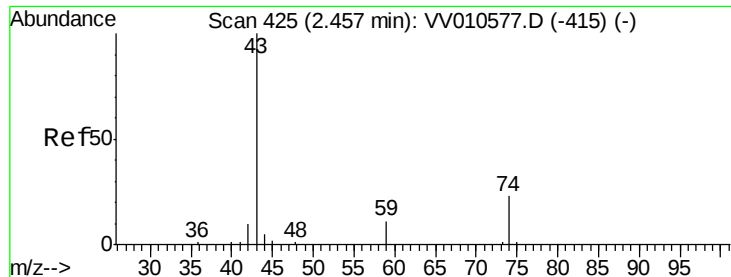
Tgt Ion: 76 Resp: 173675

Ion Ratio Lower Upper

76 100

78 9.6 8.2 12.4





#15

Methyl Acetate

Concen: 4.433 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.02 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

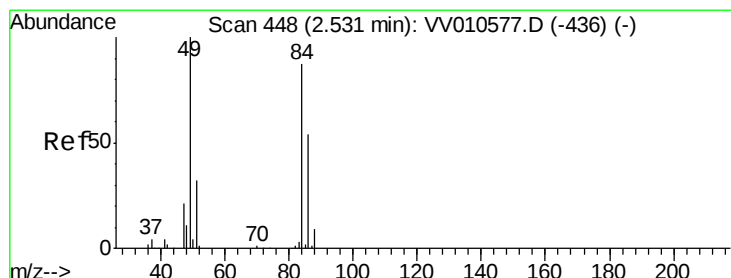
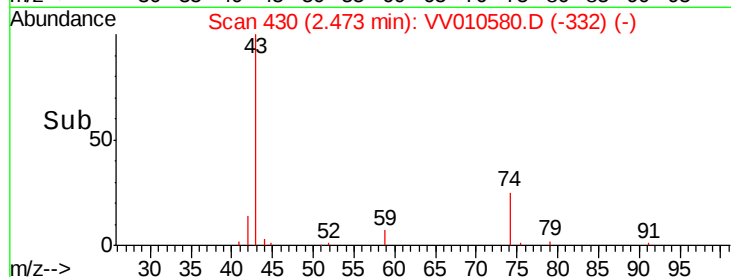
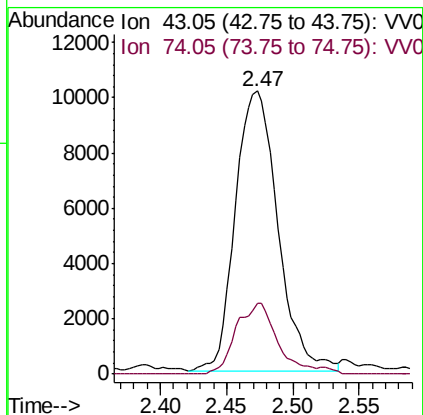
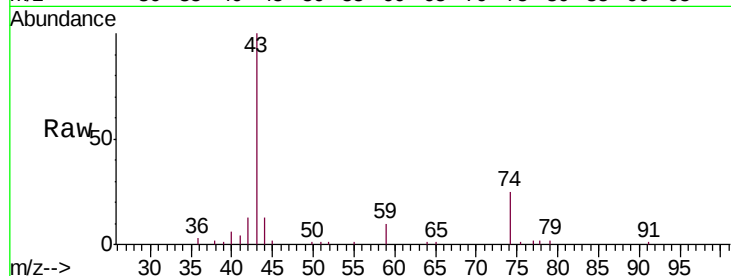
VICV40

Tgt Ion: 43 Resp: 22505

Ion Ratio Lower Upper

43 100

74 25.4 19.8 29.8



#16

Methylene chloride

Concen: 4.850 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

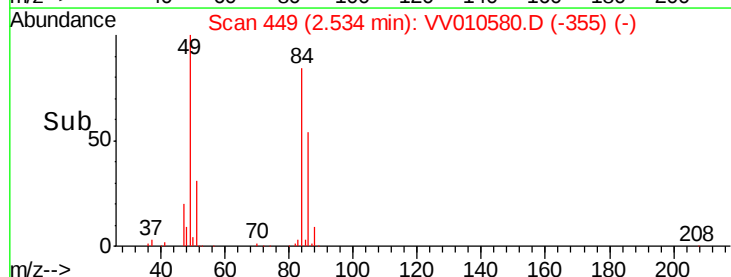
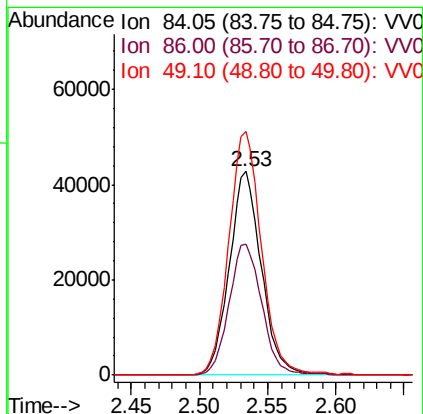
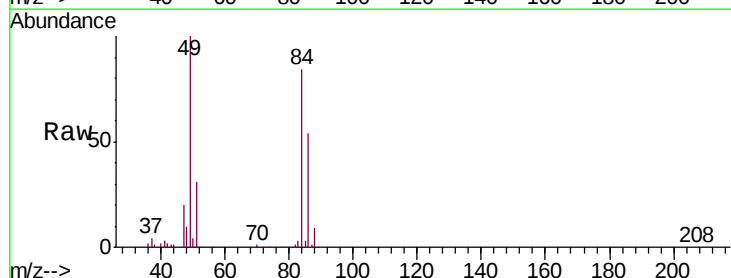
Tgt Ion: 84 Resp: 69906

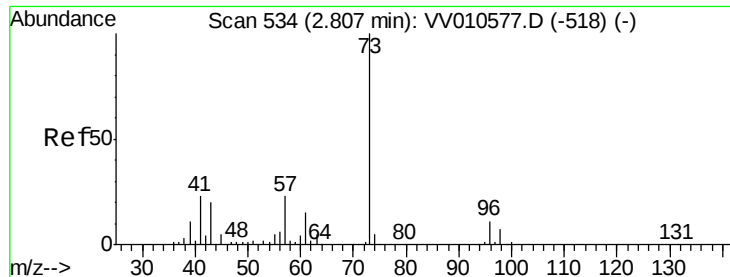
Ion Ratio Lower Upper

84 100

86 64.1 43.3 80.3

49 119.4 80.9 150.3





#17

Methyl tert-butyl Ether

Concen: 5.550 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

VICV40

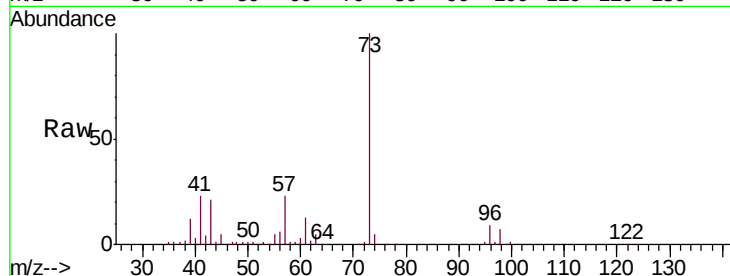
Tgt Ion: 73 Resp: 142584

Ion Ratio Lower Upper

73 100

43 20.9 16.5 24.7

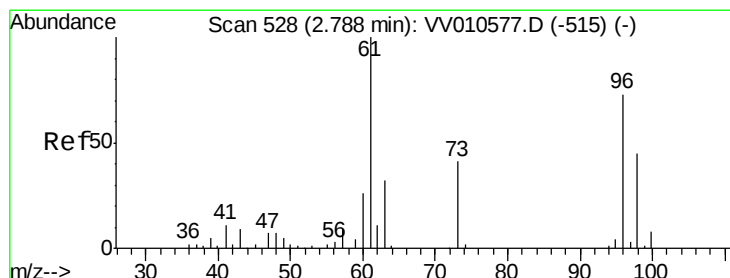
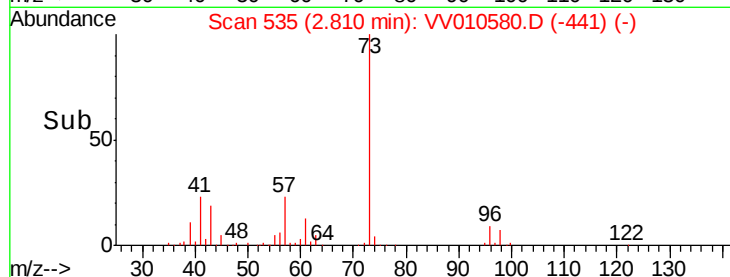
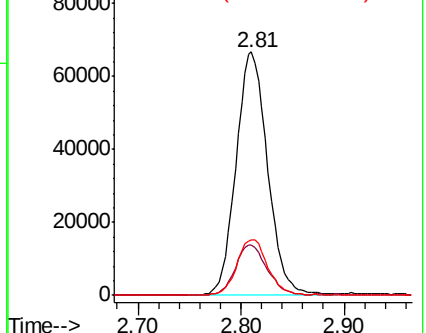
57 22.4 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VV010577.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV010577.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV010577.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.642 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

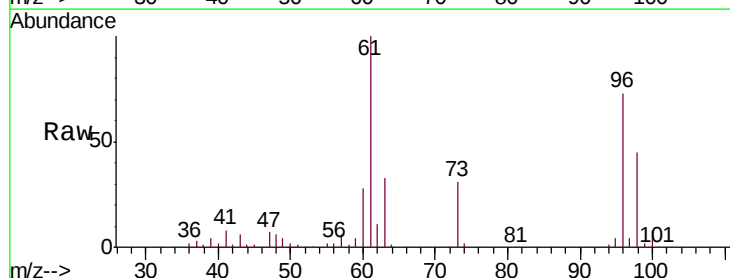
Tgt Ion: 96 Resp: 70393

Ion Ratio Lower Upper

96 100

61 136.7 96.1 178.5

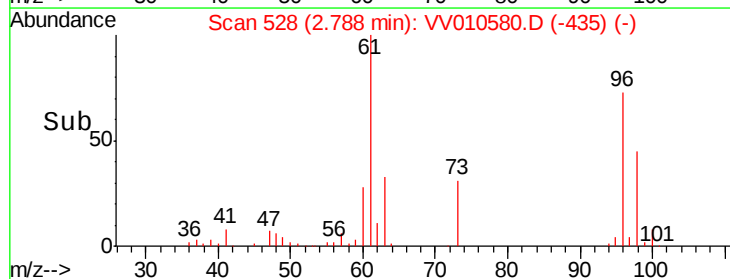
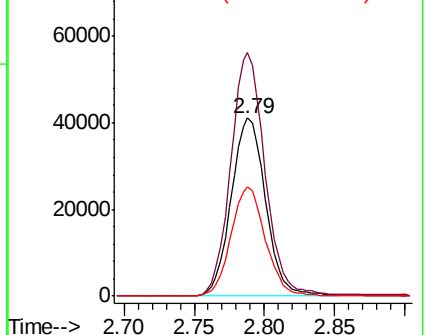
98 61.6 43.3 80.3

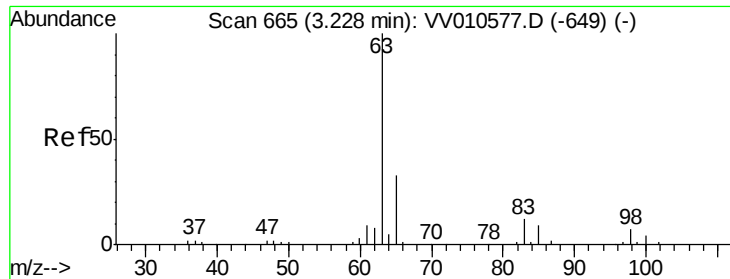


Abundance Ion 96.00 (95.70 to 96.70): VV010577.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV010577.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV010577.D (-515) (-)

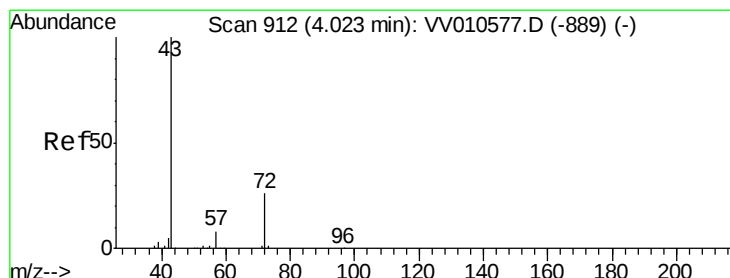
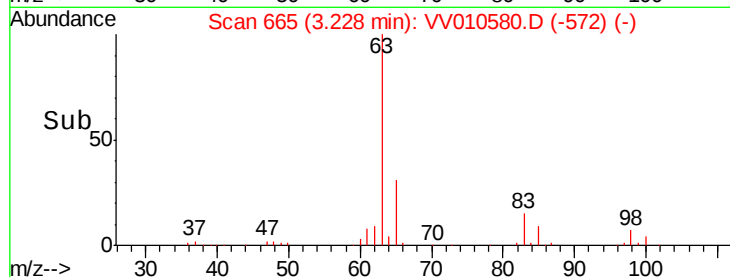
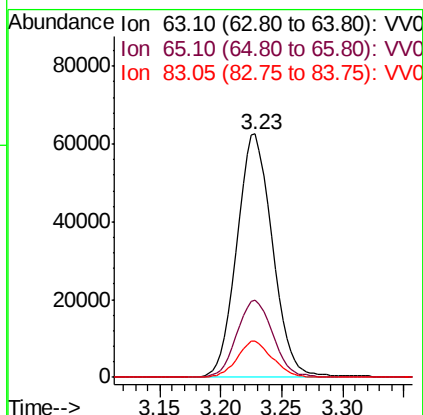
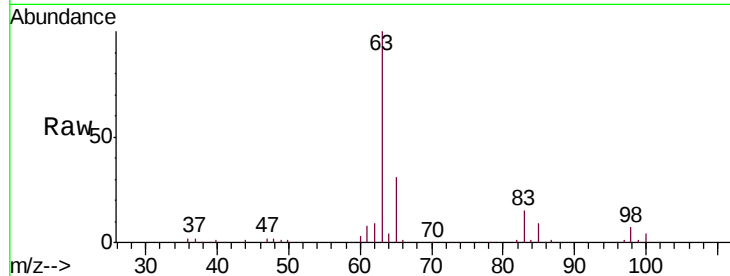




#19
 1,1-Dichloroethane
 Concen: 5.469 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

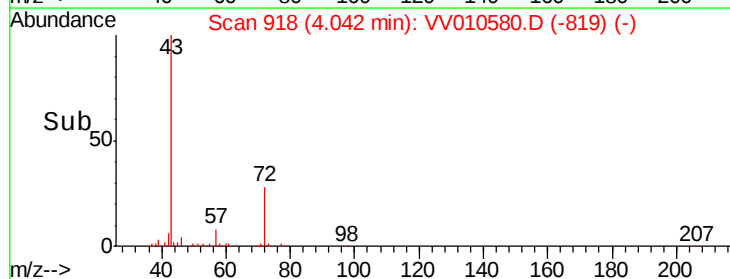
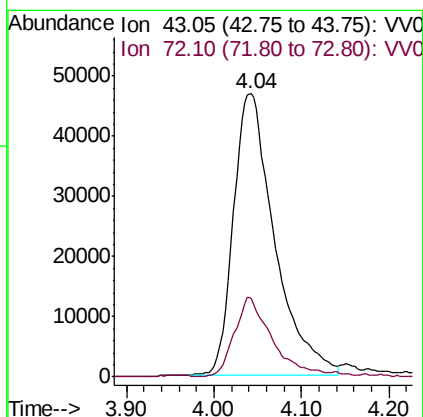
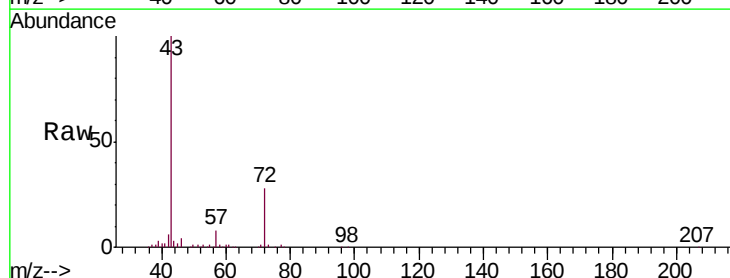
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV40

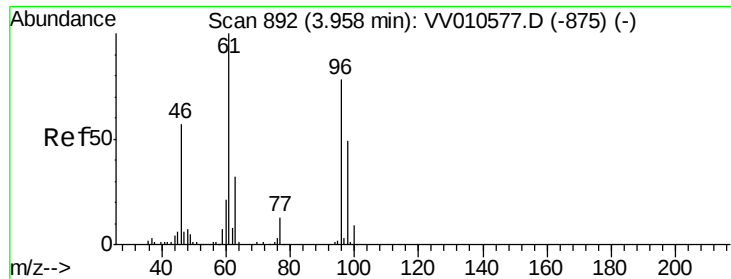
Tgt Ion: 63 Resp: 126705
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.9 42.5
 83 15.0 8.6 16.0



#21
 2-Butanone
 Concen: 56.360 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.02 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Tgt Ion: 43 Resp: 152835
 Ion Ratio Lower Upper
 43 100
 72 26.0 12.5 37.5



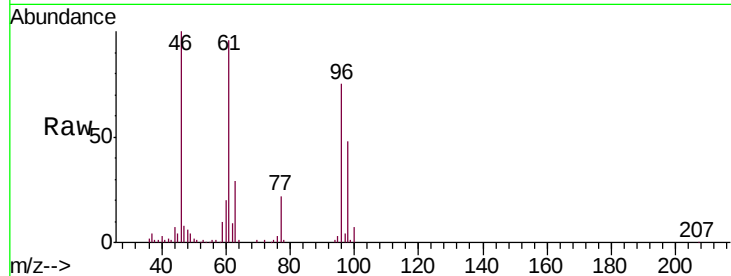


#22

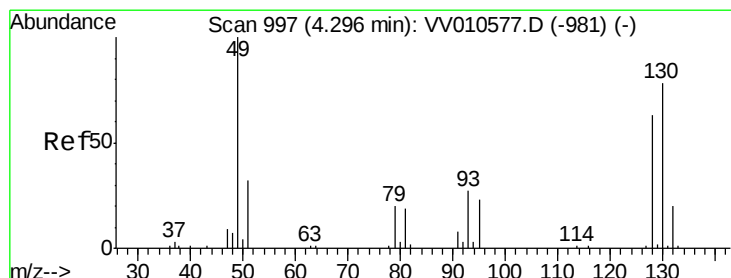
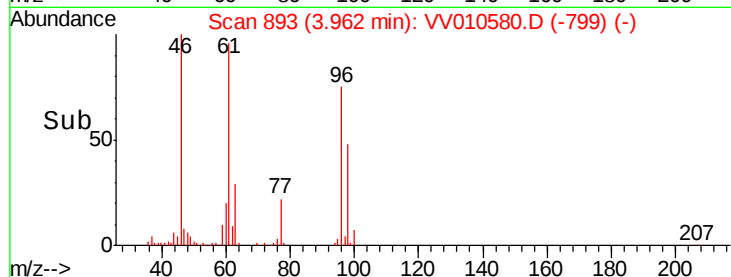
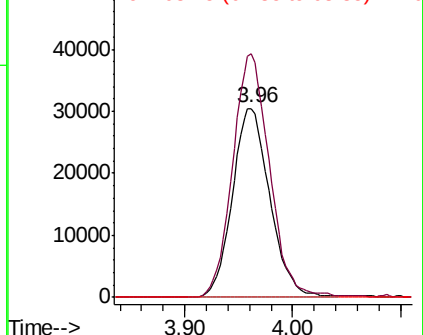
cis-1,2-Dichloroethene
Concen: 5.342 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

Instrument :
MSVOA_V
ClientSampled :
VICV40

Tgt Ion: 96 Resp: 73662
Ion Ratio Lower Upper
96 100
61 129.0 90.0 167.2
68 0.0 0.0 0.0



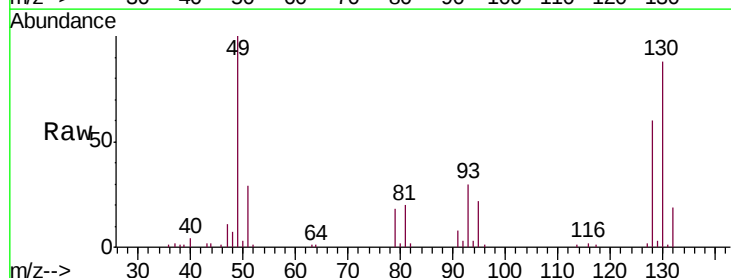
Abundance Ion 96.00 (95.70 to 96.70): VV010577.D (-875) (-)
Ion 61.05 (60.75 to 61.75): VV010577.D (-875) (-)
Ion 68.15 (67.85 to 68.85): VV010577.D (-875) (-)



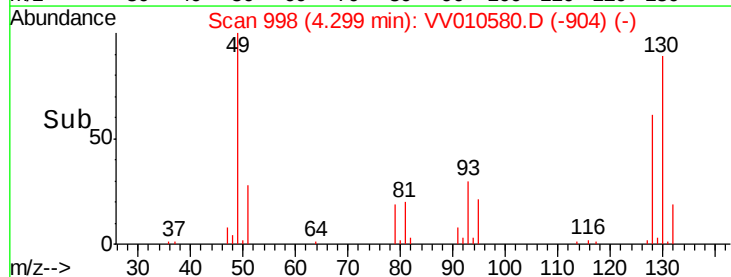
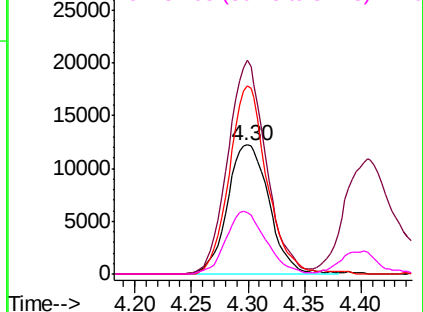
#23

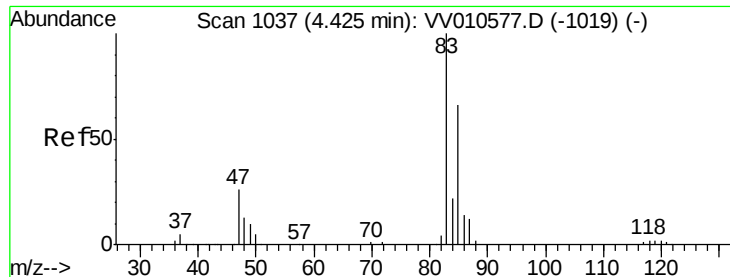
Bromochloromethane
Concen: 5.634 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 128 Resp: 31355
Ion Ratio Lower Upper
128 100
49 165.4 111.0 206.2
130 145.9 87.1 161.7
51 47.6 40.7 61.1



Abundance Ion 127.90 (127.60 to 128.60): VV010577.D (-981) (-)
Ion 49.10 (48.80 to 49.80): VV010577.D (-981) (-)
Ion 129.95 (129.65 to 130.65): VV010577.D (-981) (-)
Ion 51.05 (50.75 to 51.75): VV010577.D (-981) (-)

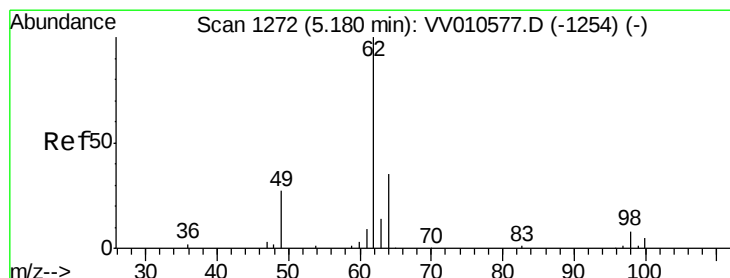
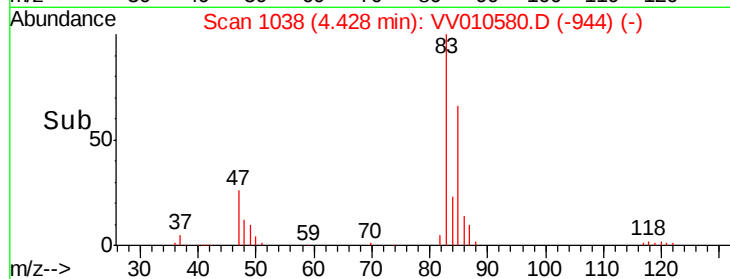
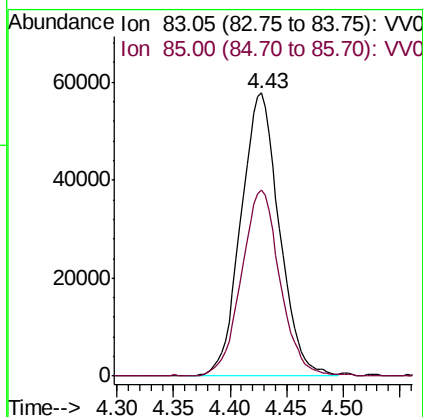
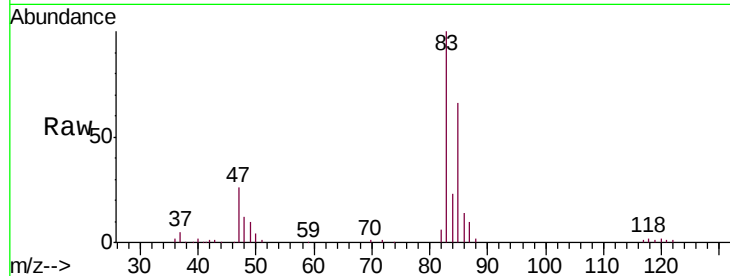




#25
Chloroform
Concen: 5.496 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

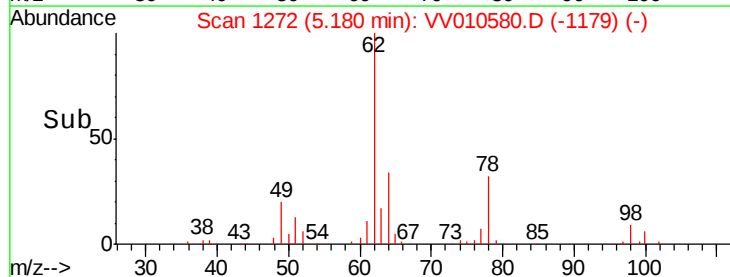
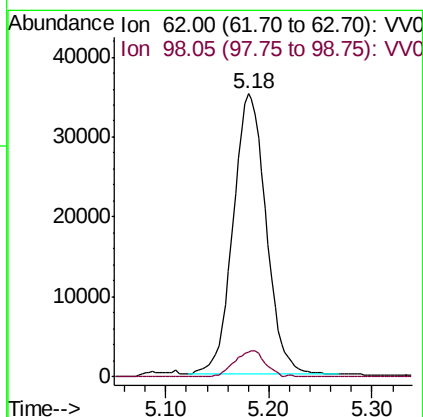
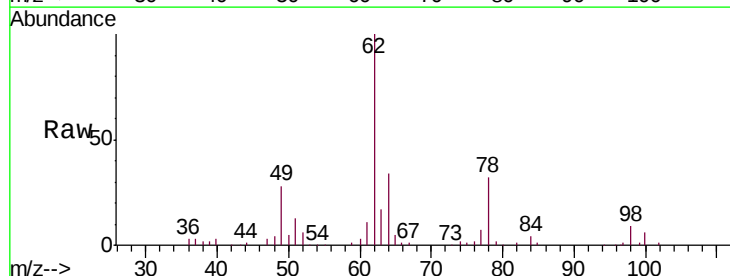
Instrument :
MSVOA_V
ClientSampleId :
VICV40

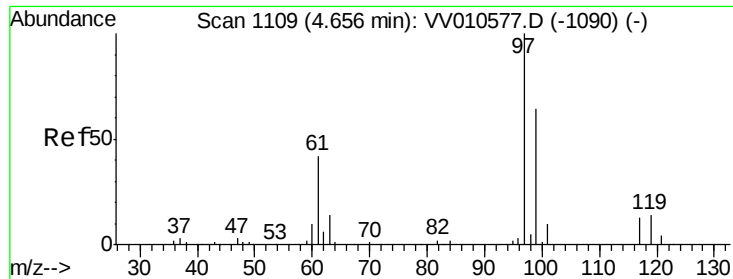
Tgt Ion: 83 Resp: 136382
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.519 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 62 Resp: 78250
Ion Ratio Lower Upper
62 100
98 8.9 6.5 9.7

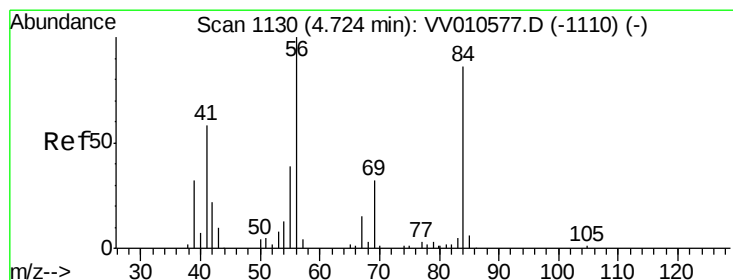
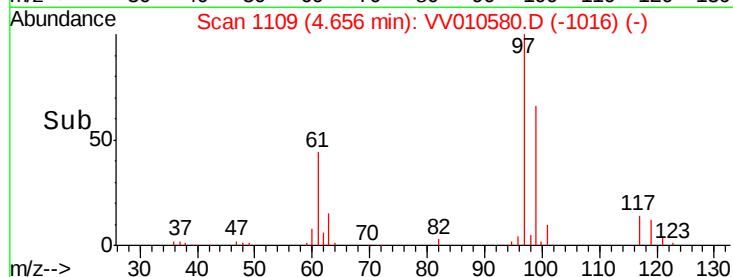
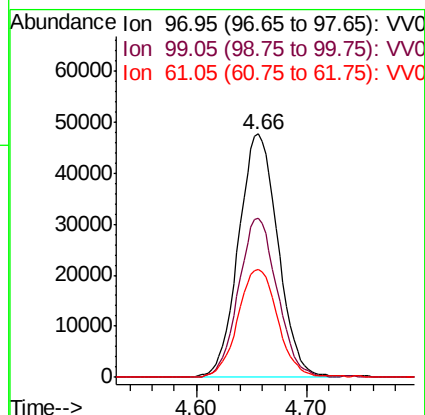
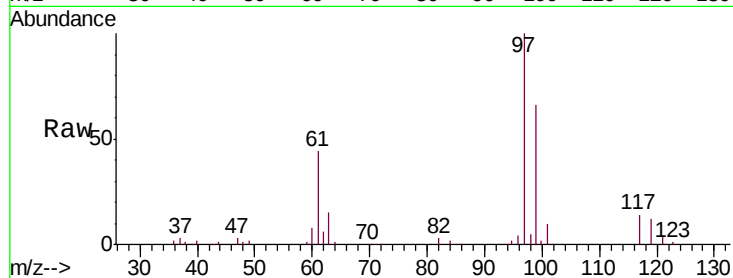




#29
 1,1,1-Trichloroethane
 Concen: 5.380 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

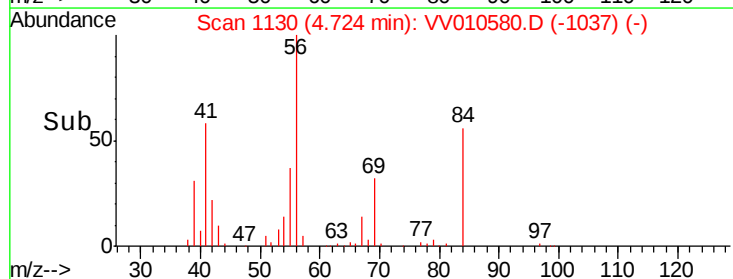
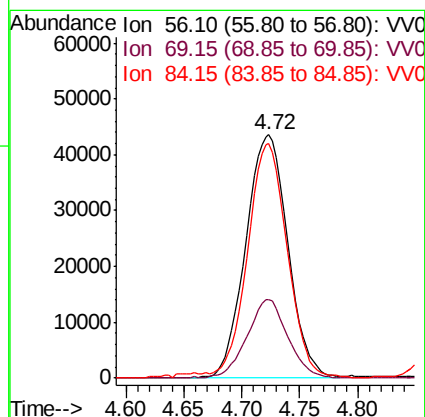
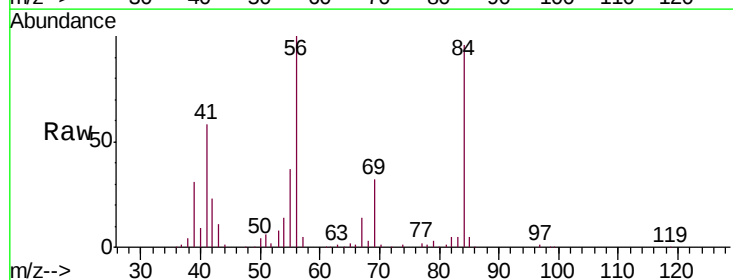
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV40

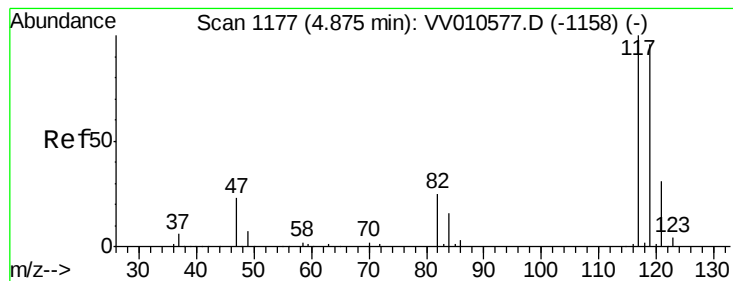
Tgt Ion: 97 Resp: 118017
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.6
 61 44.7 34.7 52.1



#30
 Cyclohexane
 Concen: 5.435 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Tgt Ion: 56 Resp: 110221
 Ion Ratio Lower Upper
 56 100
 69 31.5 24.5 36.7
 84 92.6 70.2 105.4





#31

Carbon tetrachloride

Concen: 5.368 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampled :

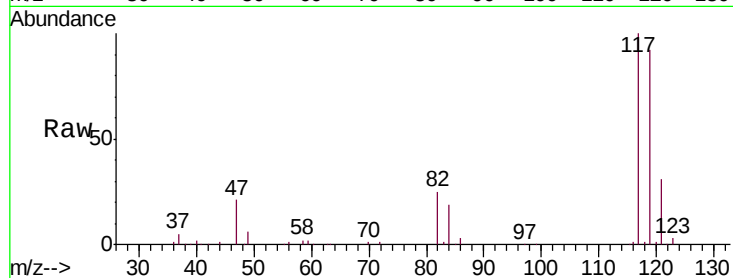
VICV40

Tgt Ion:117 Resp: 108522

Ion Ratio Lower Upper

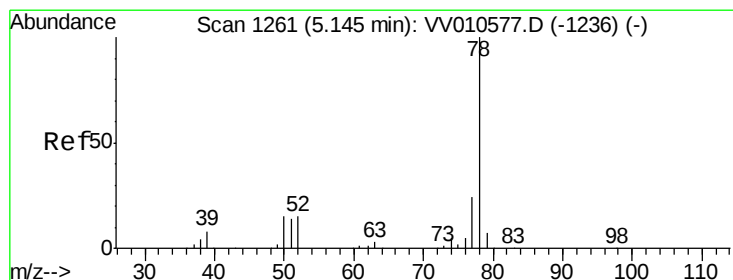
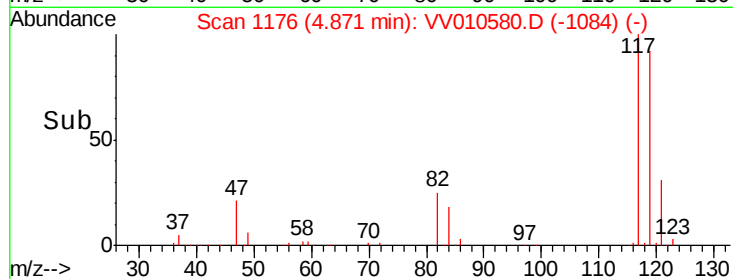
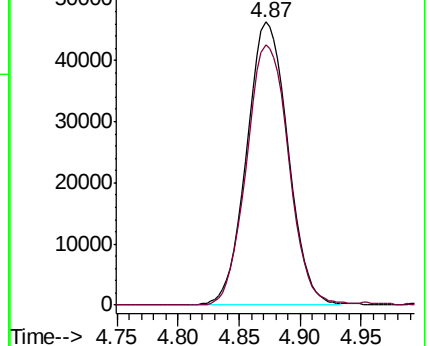
117 100

119 94.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.506 ug/L

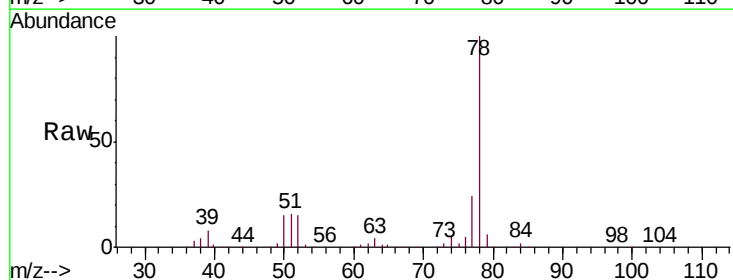
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

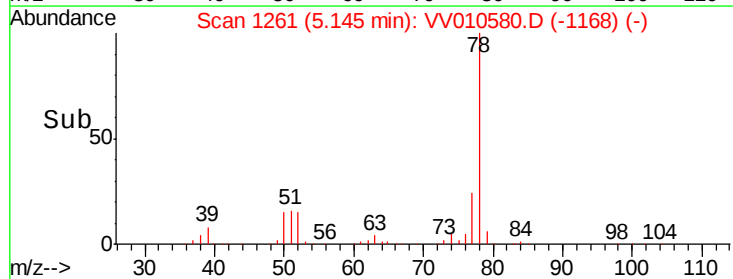
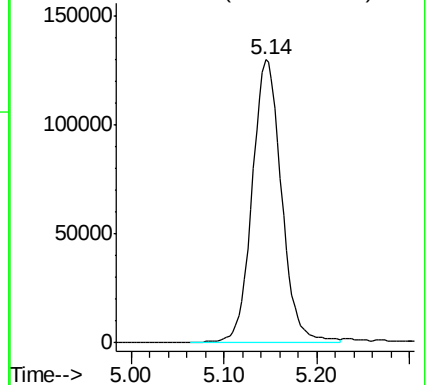
Lab File: VV010580.D

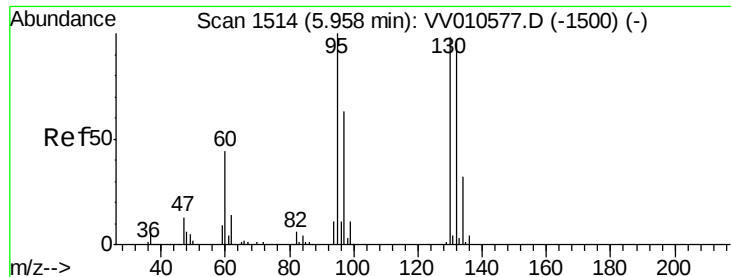
Acq: 30 Apr 2019 17:51

Tgt Ion: 78 Resp: 286204



Abundance Ion 78.10 (77.80 to 78.80): VV0

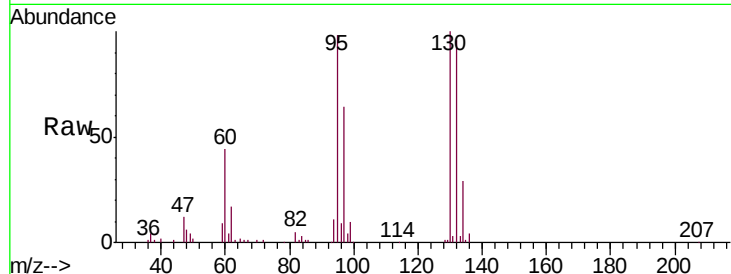




#34
 Trichloroethene
 Concen: 5.036 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV40

Tgt Ion:	95	Resp:	76082
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.3	82.3
132	98.8	67.1	124.7
130	102.4	68.7	127.5



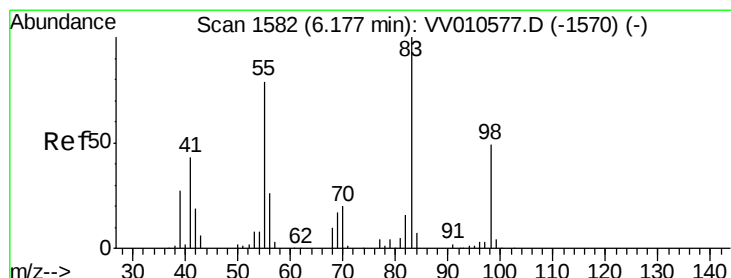
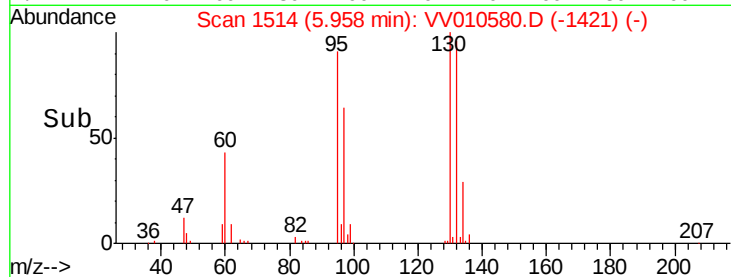
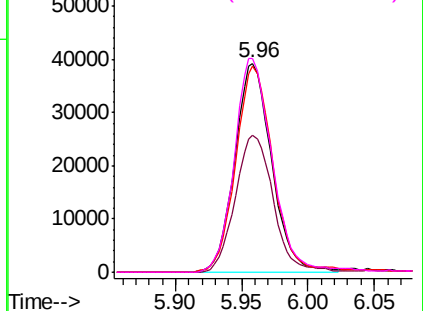
Abundance

Ion 95.00 (94.70 to 95.70): VV010577.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV010577.D (-1500) (-)

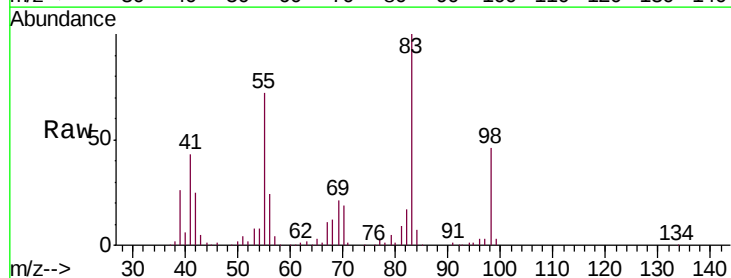
Ion 131.95 (131.65 to 132.65): VV010577.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV010577.D (-1500) (-)



#35
 Methylcyclohexane
 Concen: 5.380 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Tgt Ion:	83	Resp:	113149
Ion	Ratio	Lower	Upper
83	100		
55	75.9	62.6	94.0
98	46.8	38.8	58.2

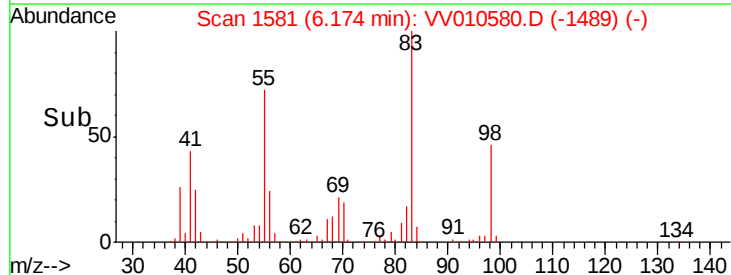
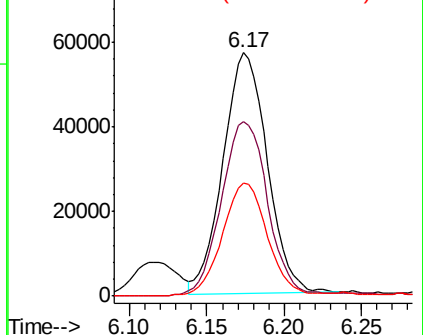


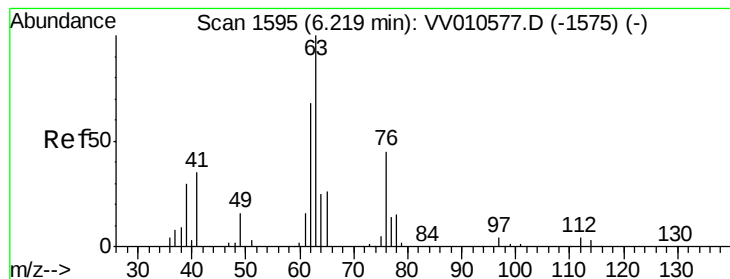
Abundance

Ion 83.15 (82.85 to 83.85): VV010577.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV010577.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV010577.D (-1570) (-)





#37

1,2-Dichloropropane

Concen: 5.213 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampled :

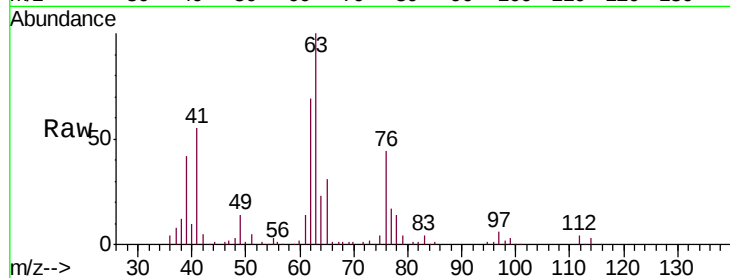
VICV40

Tgt Ion: 63 Resp: 67273

Ion Ratio Lower Upper

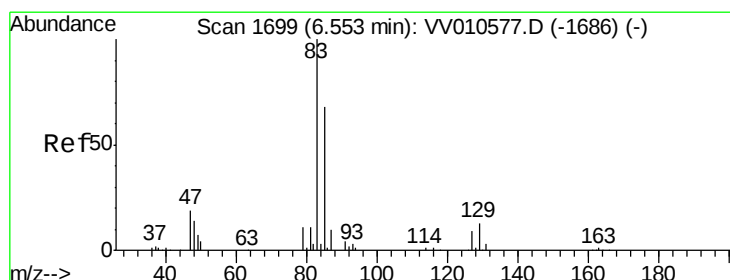
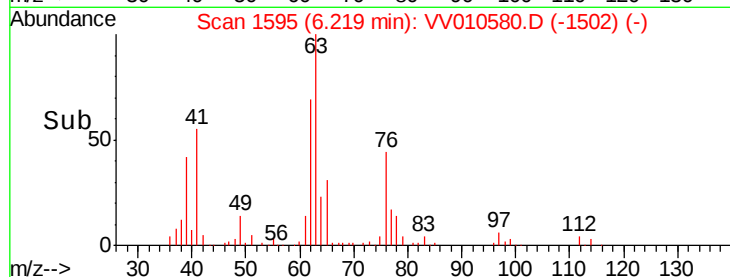
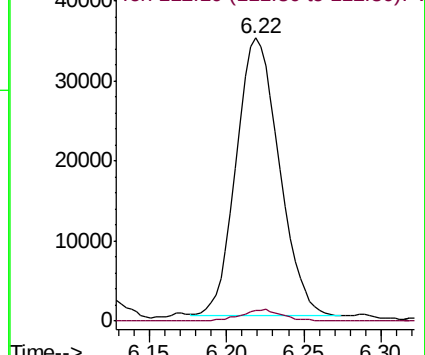
63 100

112 4.0 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.403 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

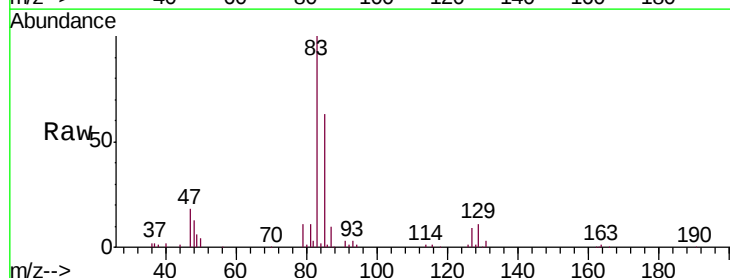
Tgt Ion: 83 Resp: 90429

Ion Ratio Lower Upper

83 100

85 63.3 47.7 88.7

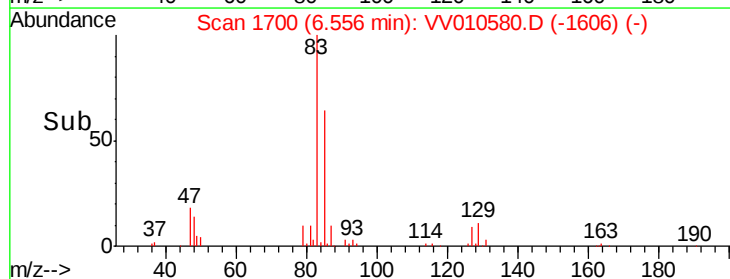
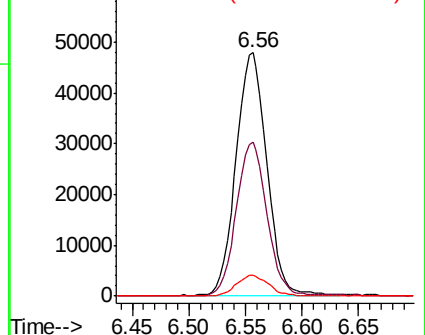
127 8.6 6.9 10.3

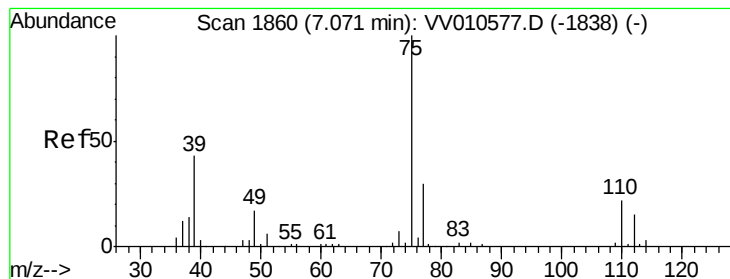


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V



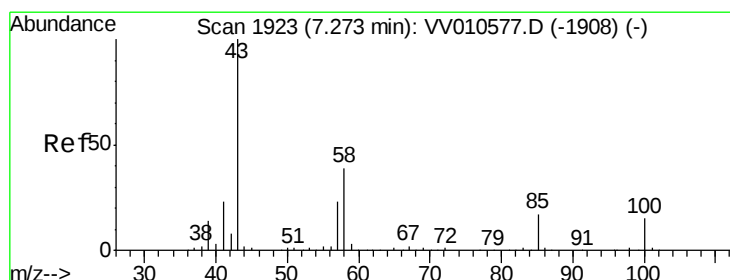
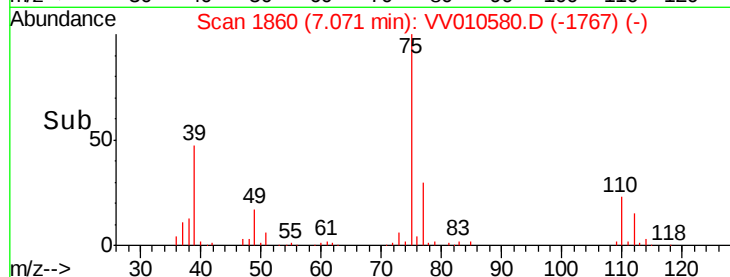
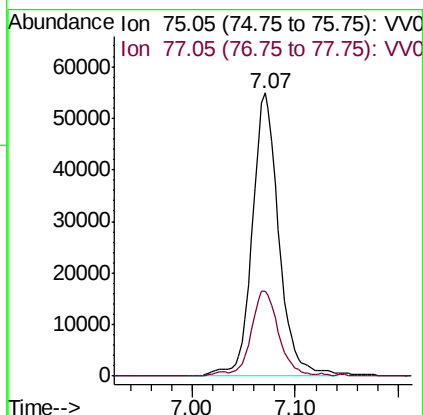
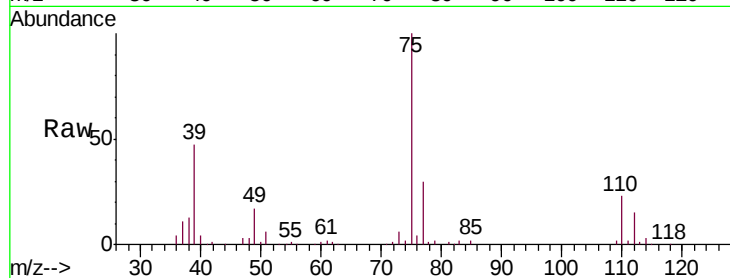


#39

cis-1,3-Dichloropropene
Concen: 5.438 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

Instrument :
MSVOA_V
ClientSampleId :
VICV40

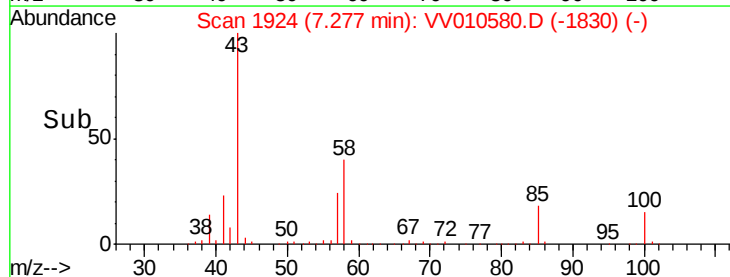
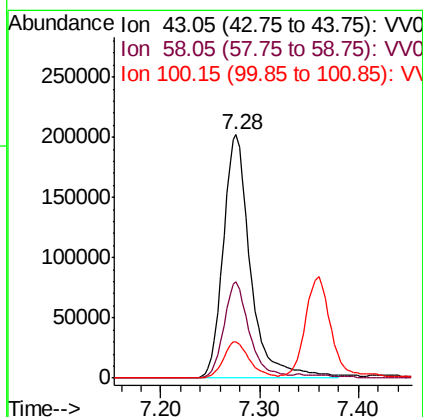
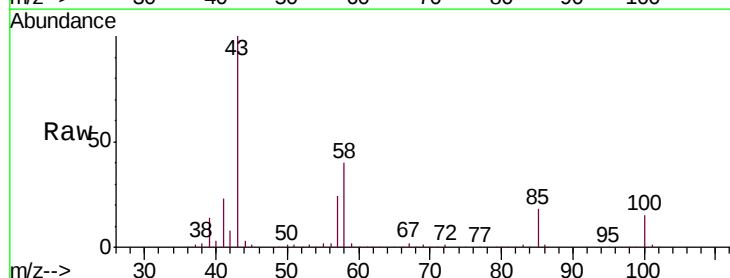
Tgt Ion: 75 Resp: 98101
Ion Ratio Lower Upper
75 100
77 30.1 20.9 38.7

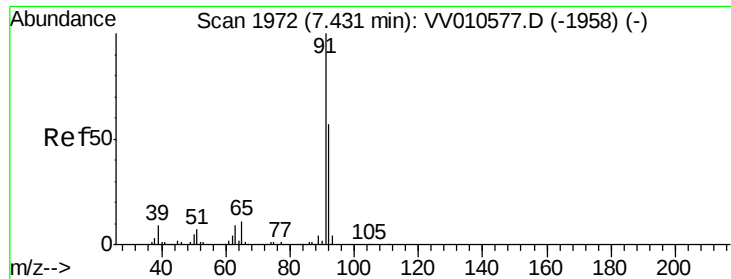


#40

4-Methyl-2-pentanone
Concen: 56.007 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

Tgt Ion: 43 Resp: 392071
Ion Ratio Lower Upper
43 100
58 37.1 30.2 45.4
100 14.4 11.3 16.9





#42

Toluene

Concen: 5.447 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

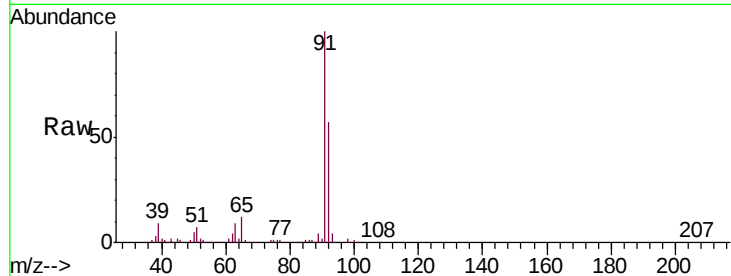
VICV40

Tgt Ion: 91 Resp: 315698

Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV010577.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV010580.D (-1879) (-)

7.43

150000

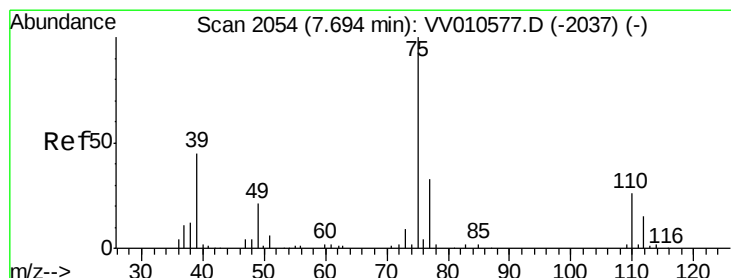
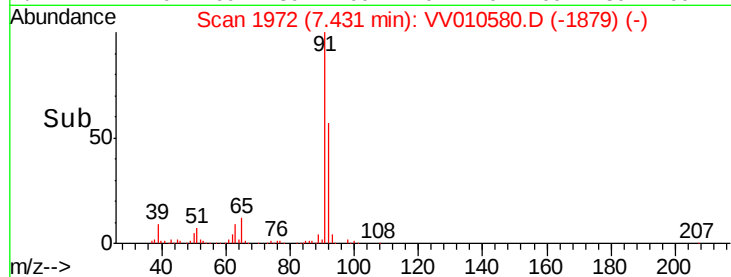
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.429 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010580.D

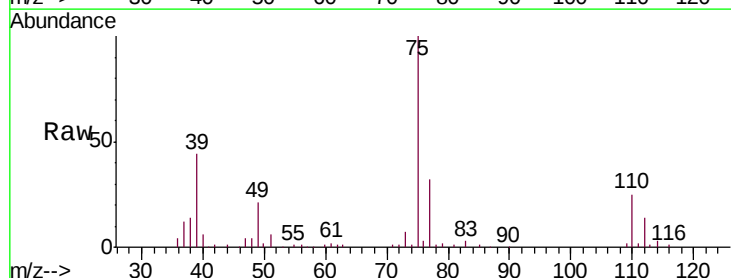
Acq: 30 Apr 2019 17:51

Tgt Ion: 75 Resp: 74278

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV010577.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV010580.D (-1961) (-)

7.69

50000

40000

30000

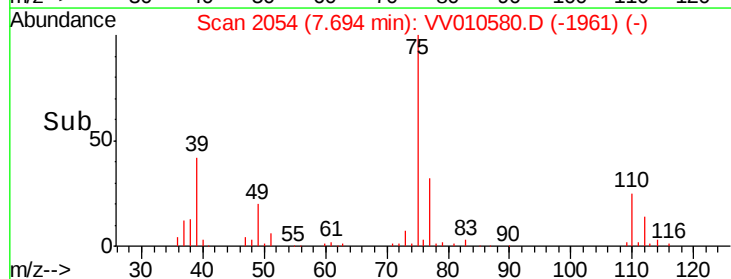
20000

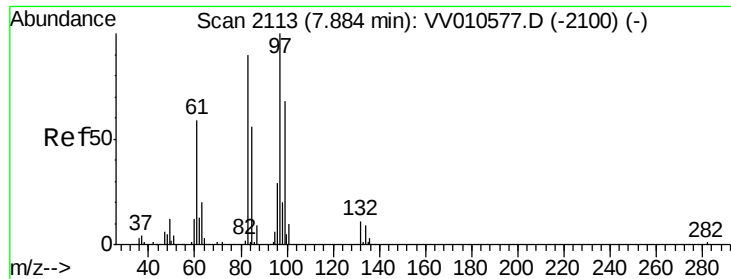
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

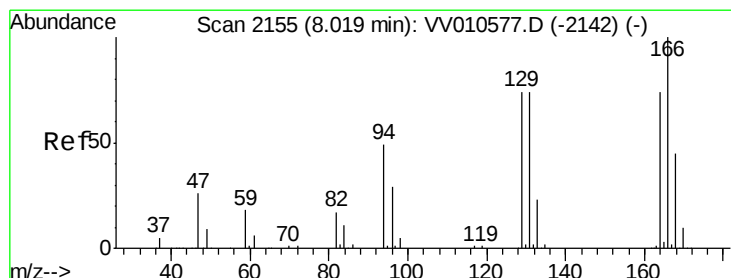
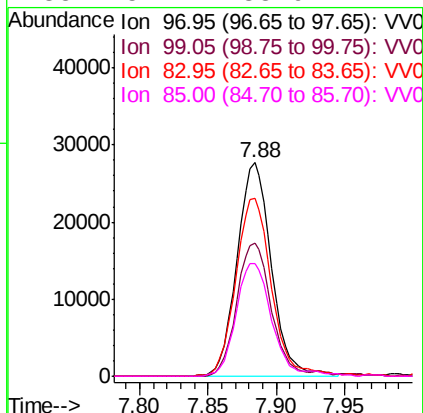
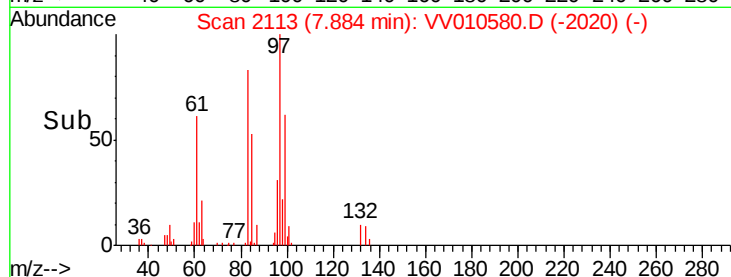
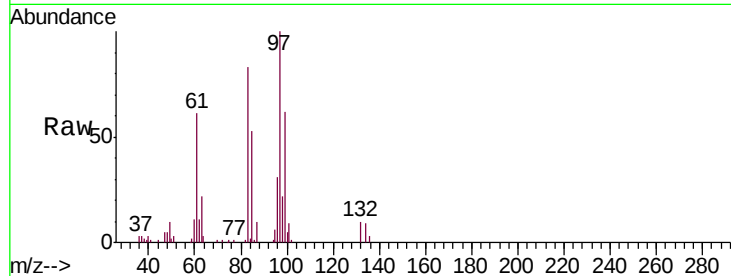




#45
 1,1,2-Trichloroethane
 Concen: 5.496 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

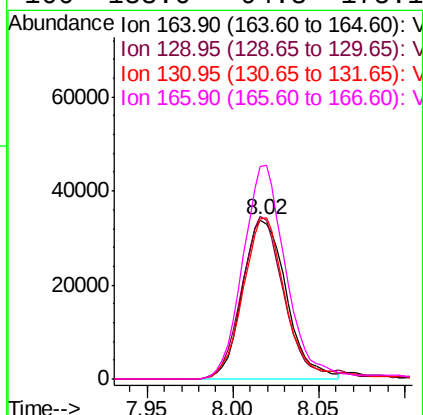
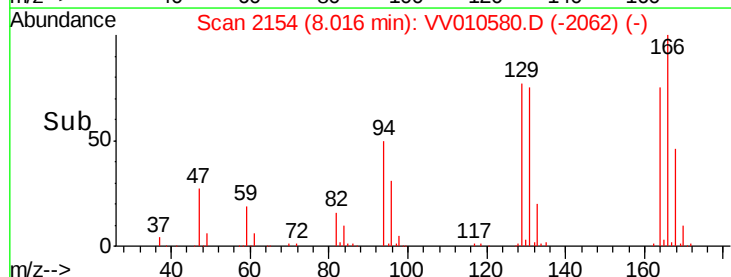
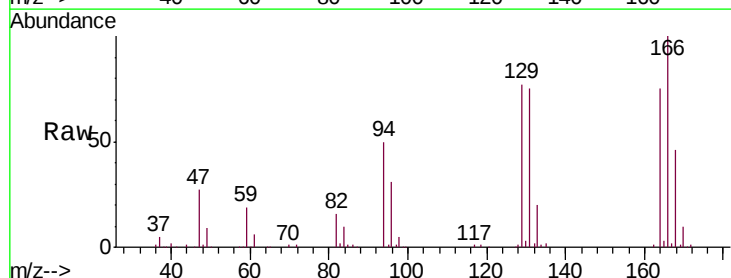
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV40

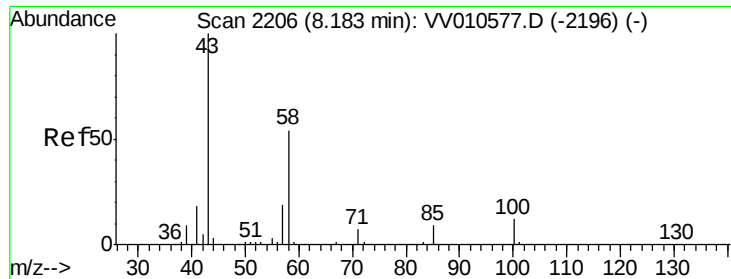
Tgt Ion:	97	Resp:	48385
Ion	Ratio	Lower	Upper
97	100		
99	62.1	47.9	89.1
83	83.3	62.9	116.9
85	52.7	38.9	72.2



#47
 Tetrachloroethene
 Concen: 5.221 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Tgt Ion:	164	Resp:	60179
Ion	Ratio	Lower	Upper
164	100		
129	102.3	69.8	129.6
131	100.7	70.2	130.4
166	133.6	94.3	175.1

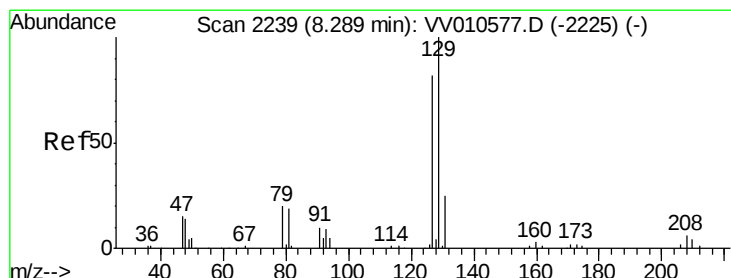
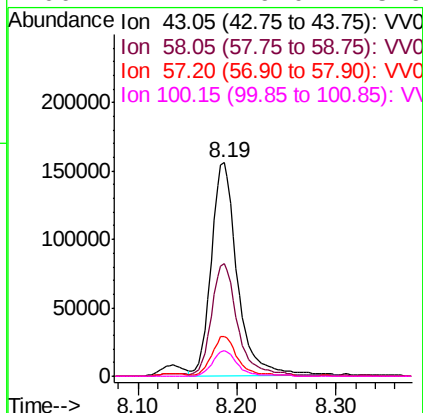
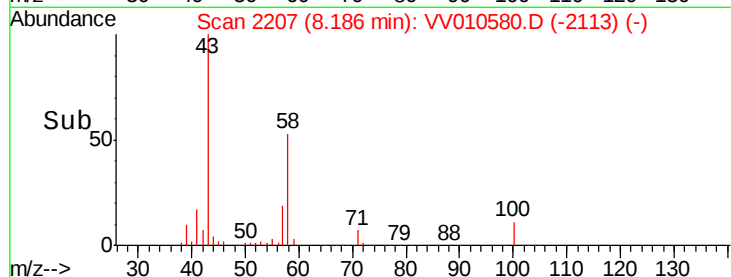
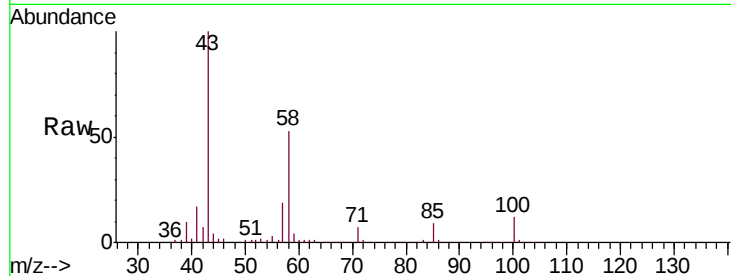




#48
2-Hexanone
Concen: 56.546 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

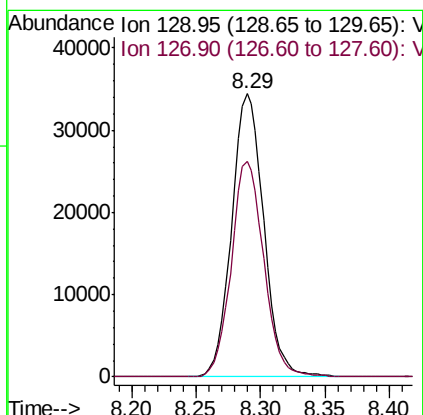
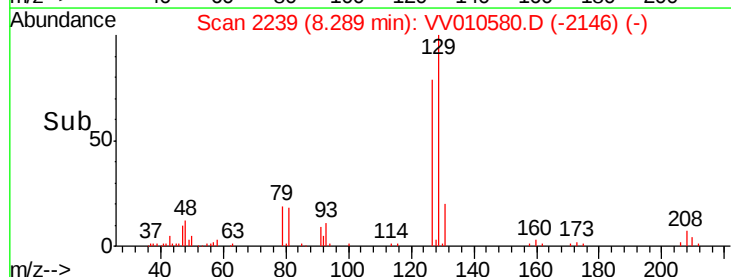
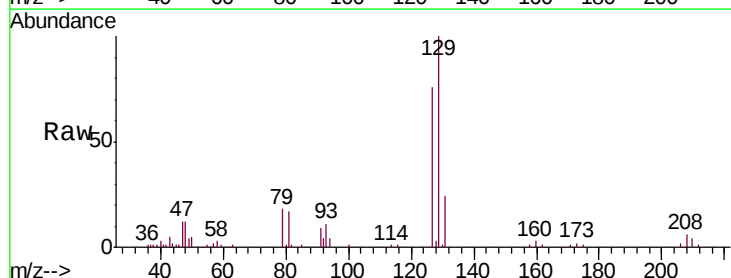
Instrument :
MSVOA_V
ClientSampleId :
VICV40

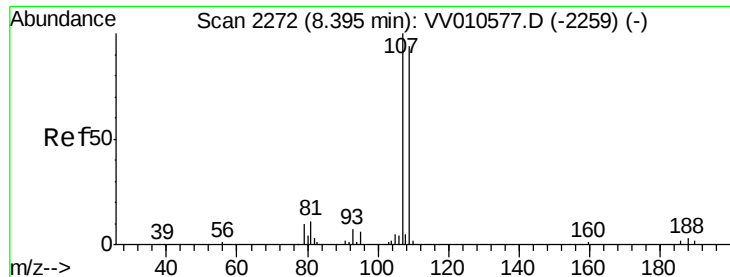
Tgt Ion:	43	Resp:	284692
Ion	Ratio	Lower	Upper
43	100		
58	52.6	42.2	63.4
57	18.5	14.4	21.6
100	11.2	9.0	13.6



#49
Dibromochloromethane
Concen: 5.585 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010580.D
Acq: 30 Apr 2019 17:51

Tgt Ion:	129	Resp:	59555
Ion	Ratio	Lower	Upper
129	100		
127	76.1	57.5	106.7

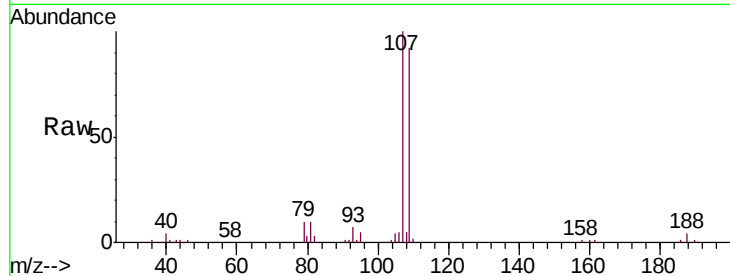




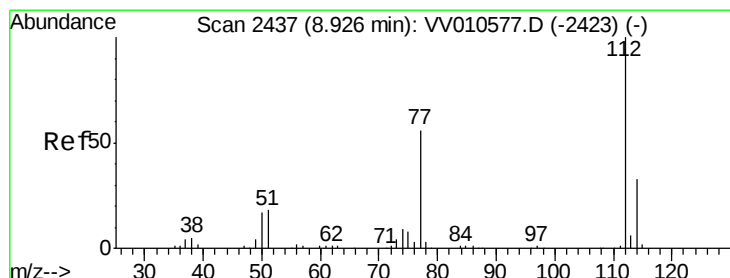
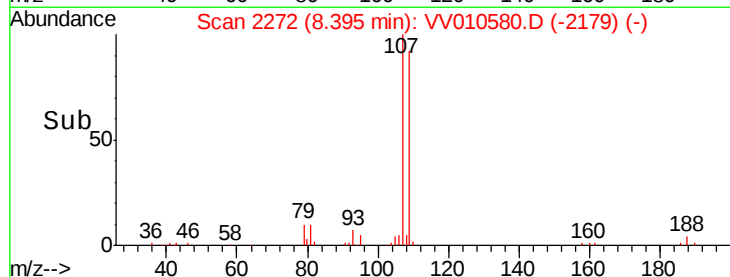
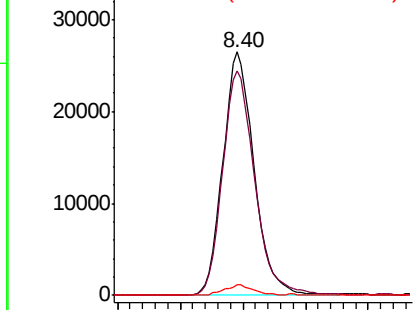
#50
 1,2-Dibromoethane
 Concen: 5.459 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV40

Tgt Ion:107 Resp: 45634
 Ion Ratio Lower Upper
 107 100
 109 92.0 66.0 122.6
 188 4.2 2.7 4.1#

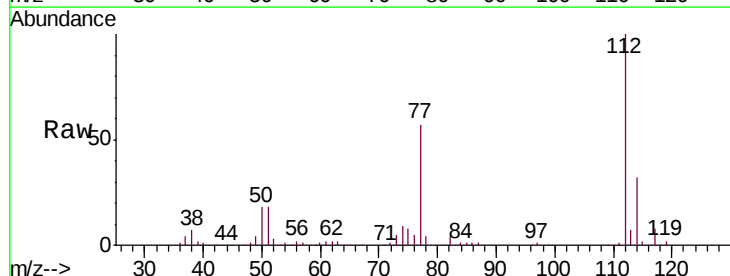


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

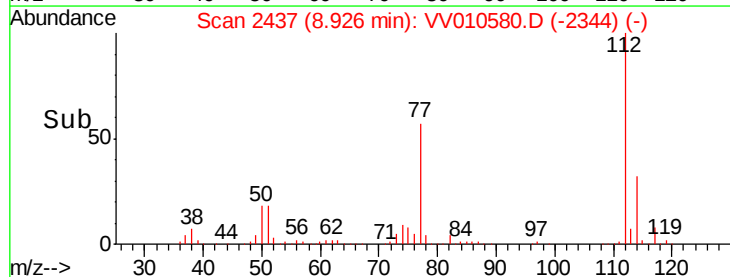
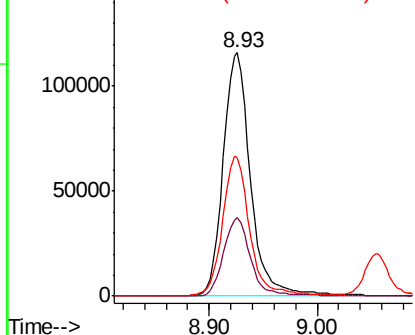


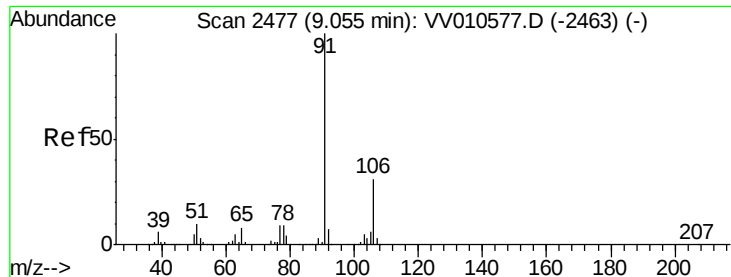
#51
 Chlorobenzene
 Concen: 5.315 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Tgt Ion:112 Resp: 204674
 Ion Ratio Lower Upper
 112 100
 114 32.0 23.1 42.9
 77 57.2 44.9 67.3



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





#52

Ethylbenzene

Concen: 5.495 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

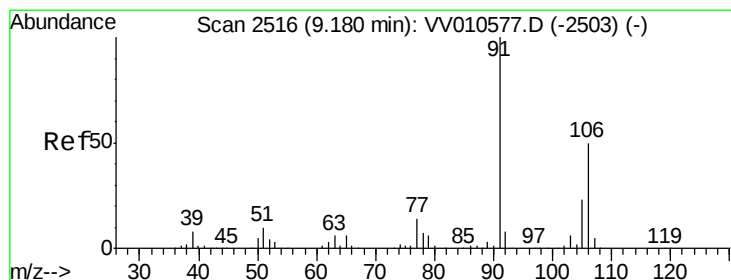
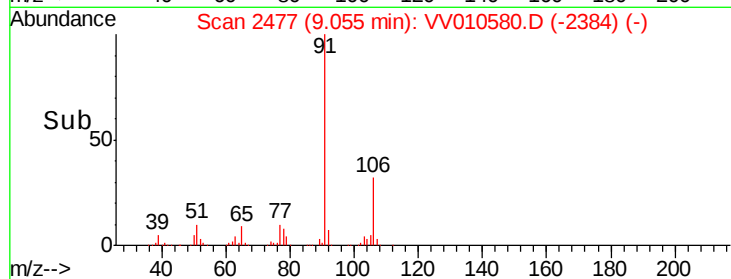
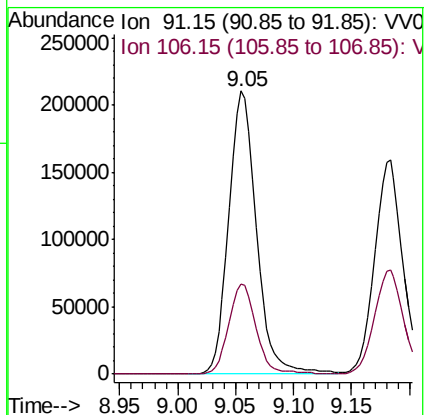
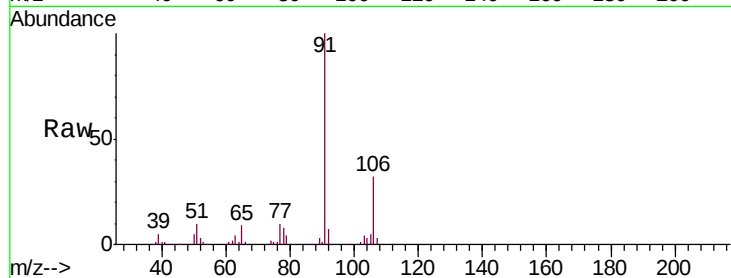
VICV40

Tgt Ion: 91 Resp: 347058

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-xylene

Concen: 5.588 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010580.D

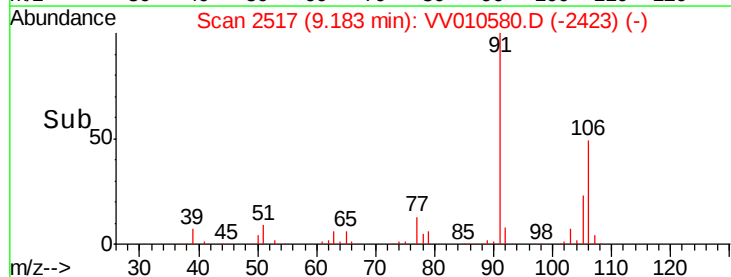
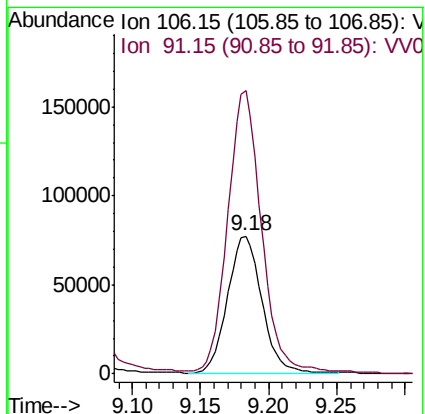
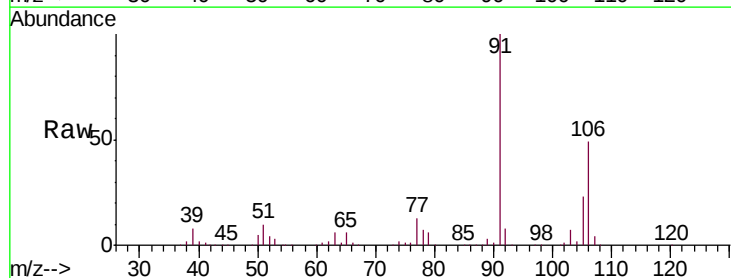
Acq: 30 Apr 2019 17:51

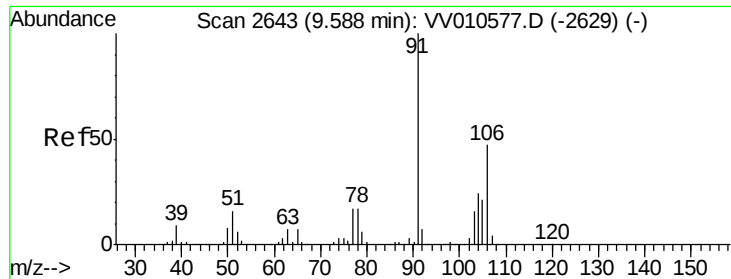
Tgt Ion: 106 Resp: 134310

Ion Ratio Lower Upper

106 100

91 205.1 140.3 260.5





#54

o-xylene

Concen: 5.572 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

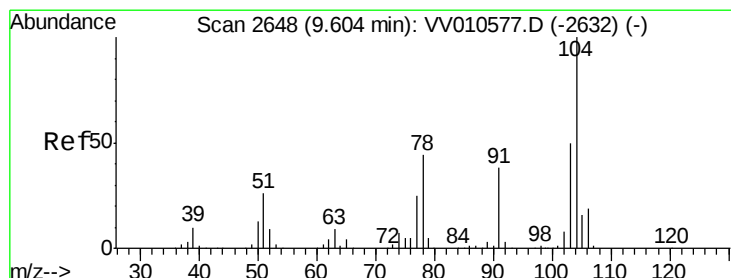
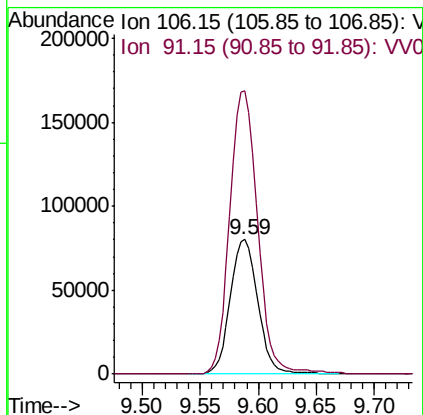
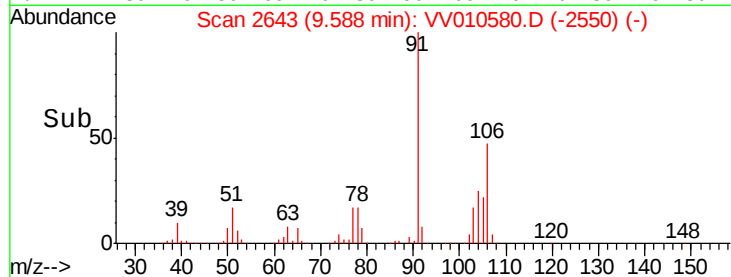
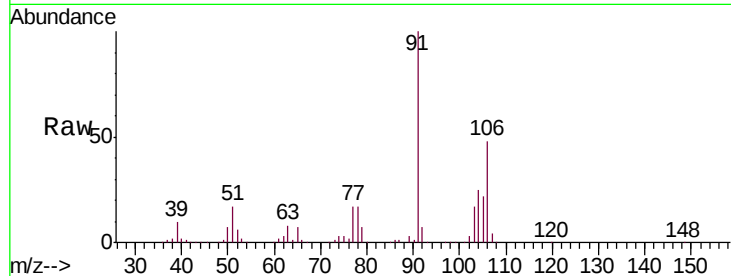
VICV40

Tgt Ion:106 Resp: 133020

Ion Ratio Lower Upper

106 100

91 210.5 150.6 279.6



#55

Styrene

Concen: 5.653 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010580.D

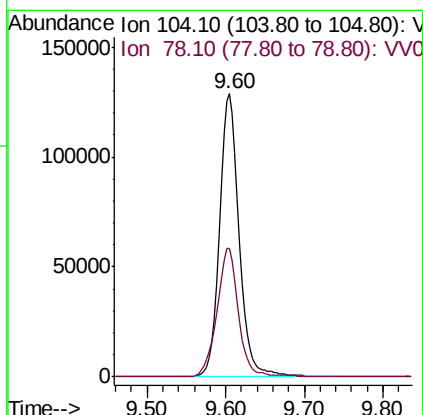
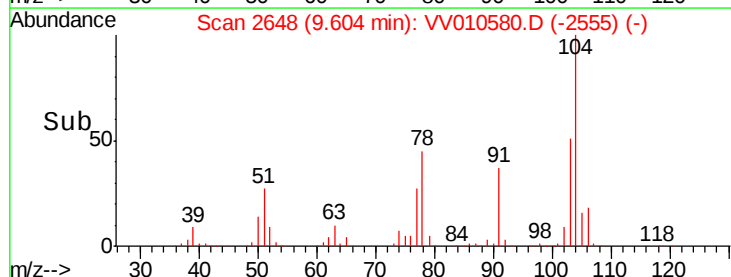
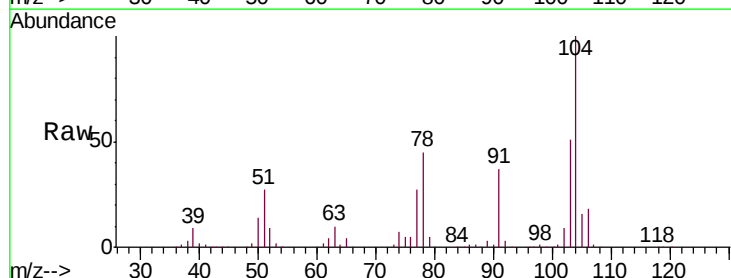
Acq: 30 Apr 2019 17:51

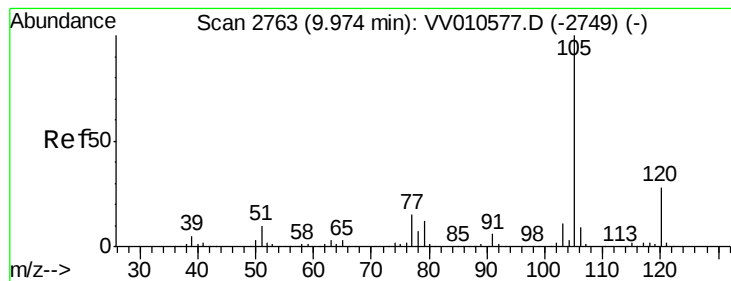
Tgt Ion:104 Resp: 219605

Ion Ratio Lower Upper

104 100

78 45.3 30.7 57.1





#56

Isopropylbenzene

Concen: 5.707 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

VICV40

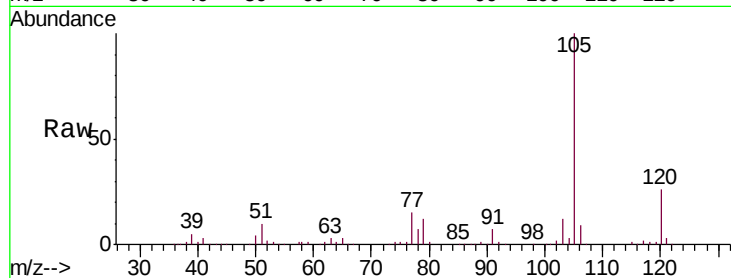
Tgt Ion: 105 Resp: 350356

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.2

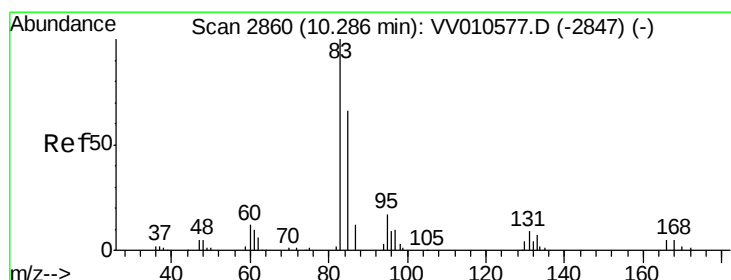
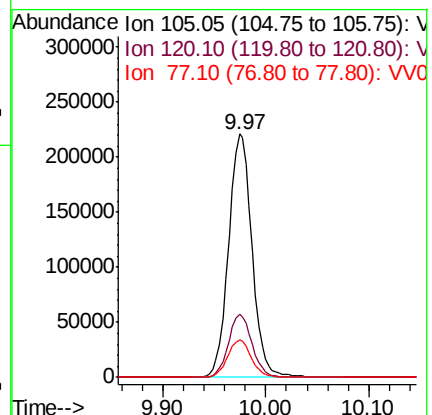
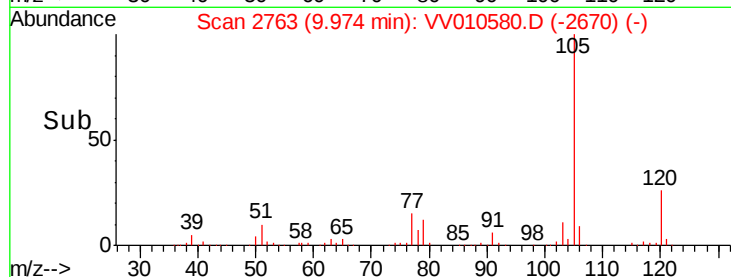
77 15.7 12.5 18.7



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: 4.965 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

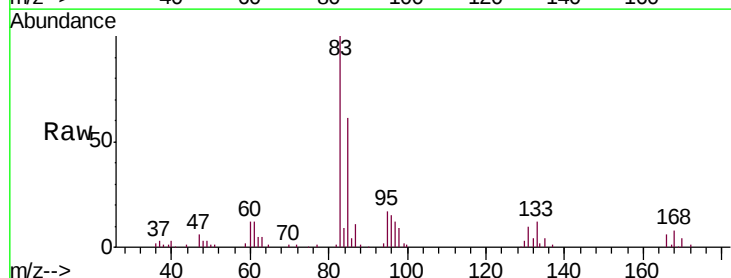
Tgt Ion: 83 Resp: 53508

Ion Ratio Lower Upper

83 100

85 60.8 46.3 85.9

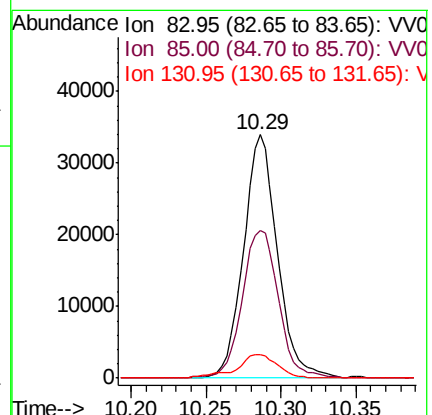
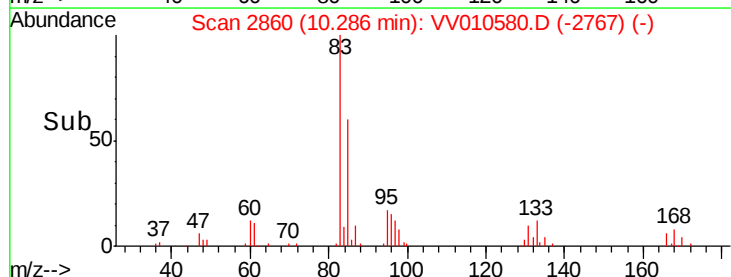
131 9.6 7.8 11.8

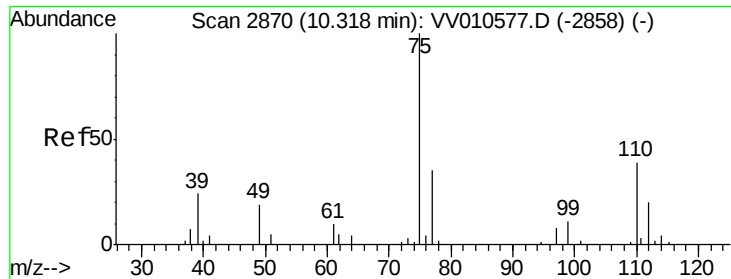


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.366 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

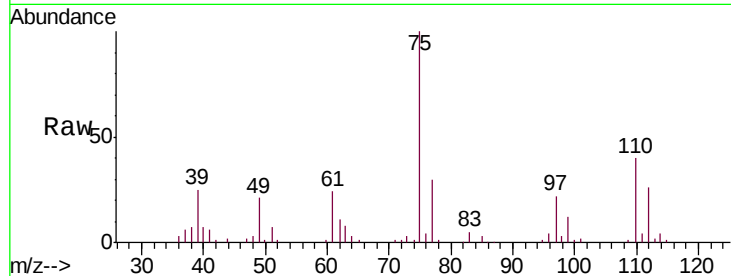
VICV40

Tgt Ion: 75 Resp: 42127

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV010577.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV010580.D (-2777) (-)

10.32

25000

20000

15000

10000

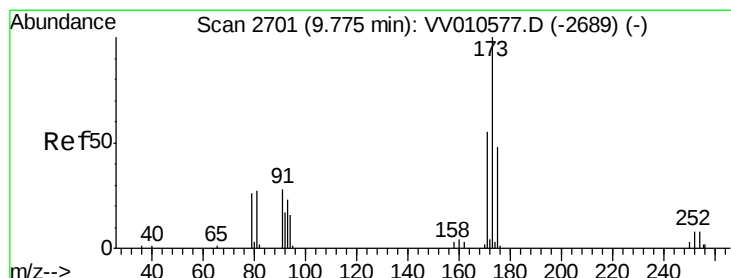
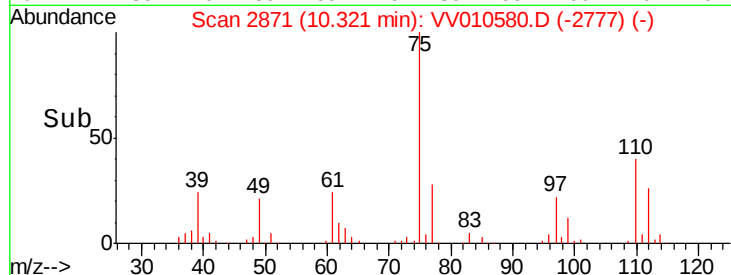
5000

0

Time-->

10.30

10.40



#61

Bromoform

Concen: 5.723 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

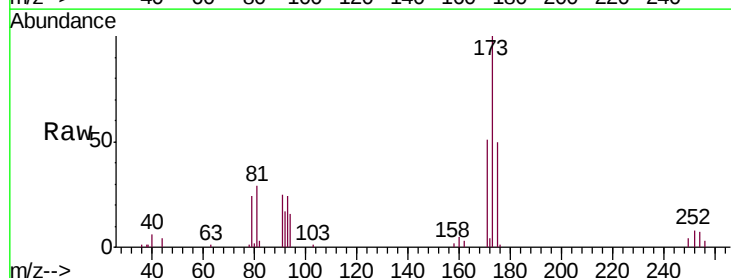
Tgt Ion: 173 Resp: 29801

Ion Ratio Lower Upper

173 100

175 47.1 40.6 60.8

254 7.3 7.3 10.9



Abundance Ion 172.90 (172.60 to 173.60): VV010577.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV010580.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV010580.D (-2608) (-)

9.77

25000

20000

15000

10000

5000

0

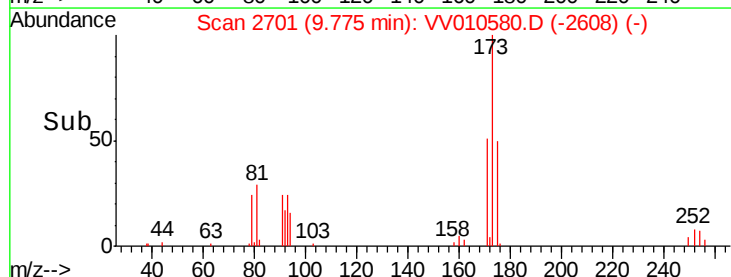
Time-->

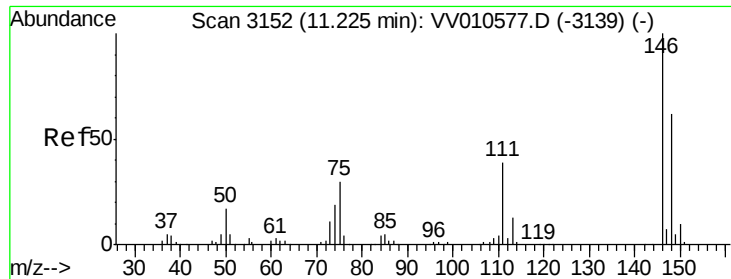
9.70

9.75

9.80

9.85





#62

1,3-Dichlorobenzene

Concen: 5.471 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampled :

VICV40

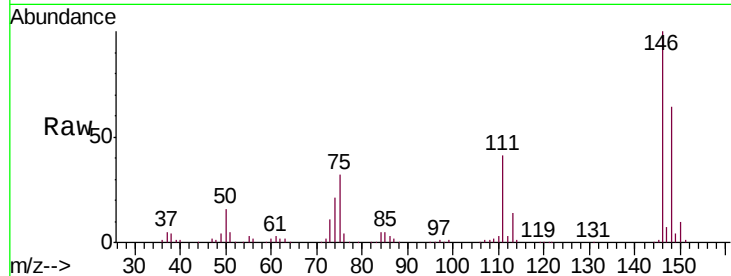
Tgt Ion:146 Resp: 154863

Ion Ratio Lower Upper

146 100

111 41.1 27.6 51.4

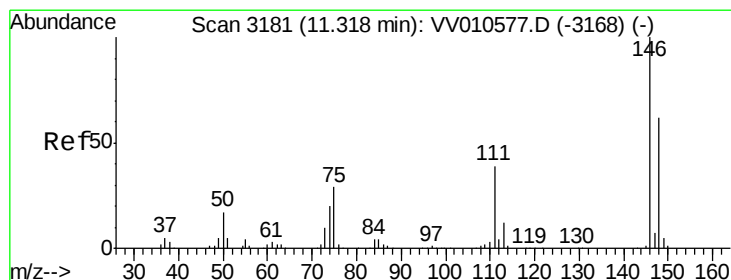
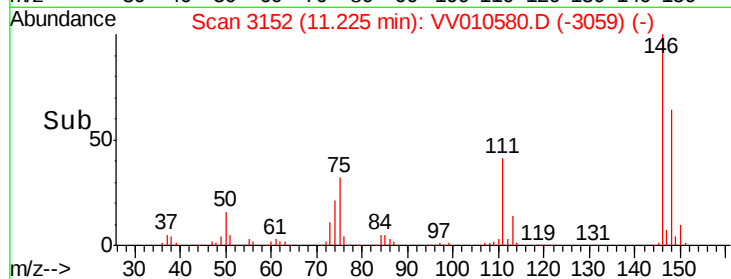
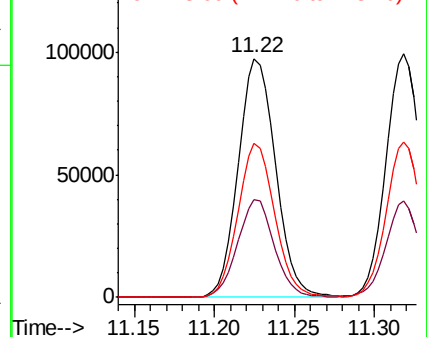
148 64.3 43.0 80.0



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: 5.453 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

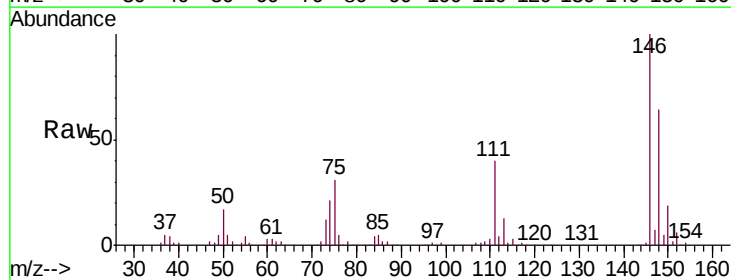
Tgt Ion:146 Resp: 155995

Ion Ratio Lower Upper

146 100

111 39.6 27.4 50.8

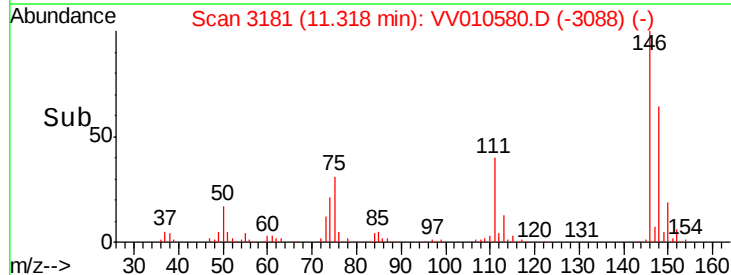
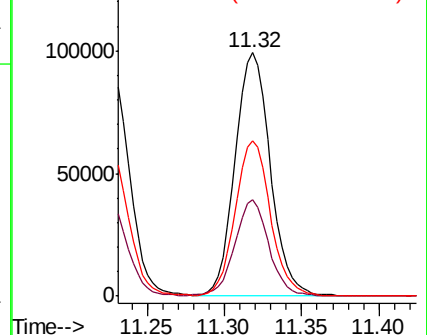
148 64.0 43.3 80.3

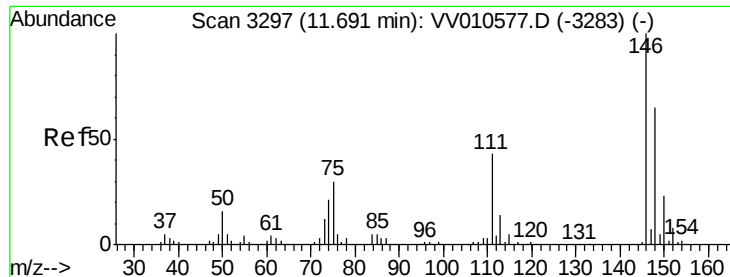


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.456 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

VICV40

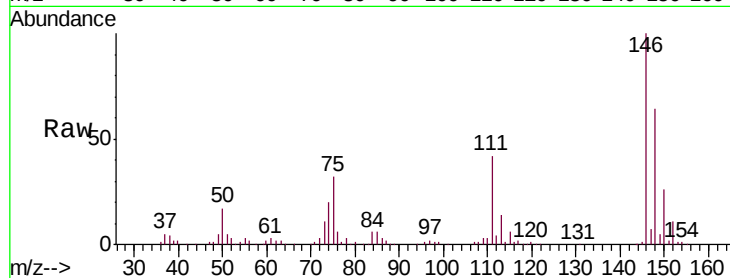
Tgt Ion:146 Resp: 146332

Ion Ratio Lower Upper

146 100

111 41.9 34.4 51.6

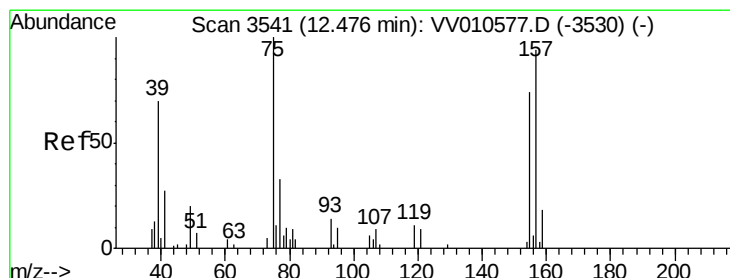
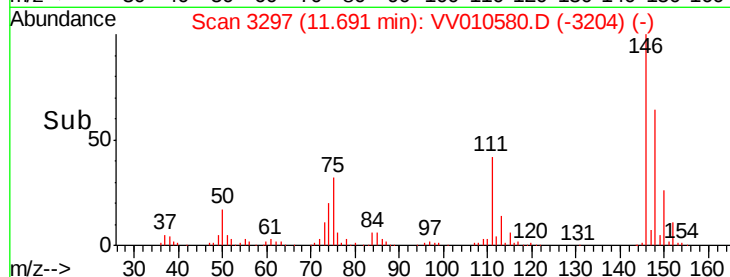
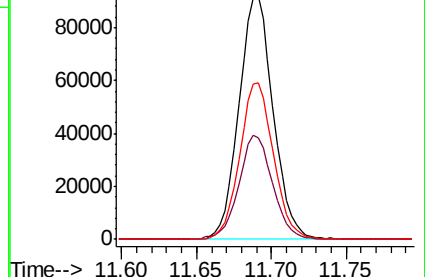
148 64.3 51.9 77.9



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: 5.182 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

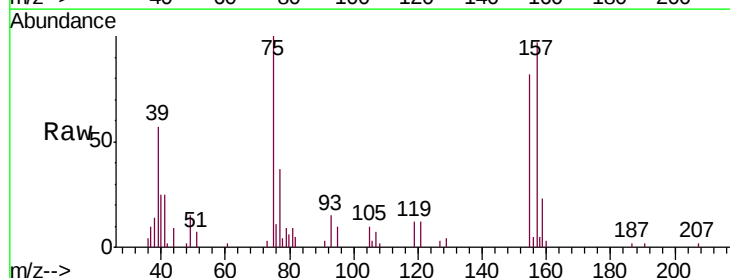
Tgt Ion: 75 Resp: 8585

Ion Ratio Lower Upper

75 100

155 82.4 59.4 89.2

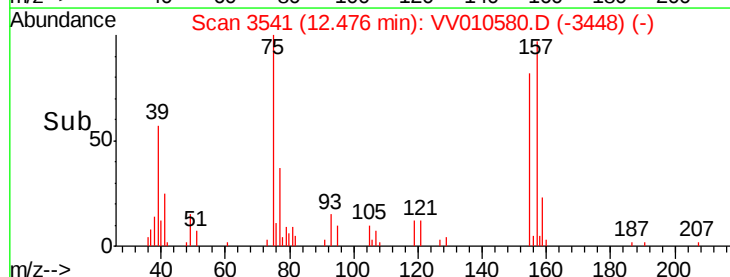
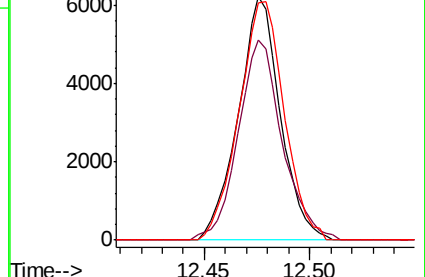
157 97.2 75.4 113.2

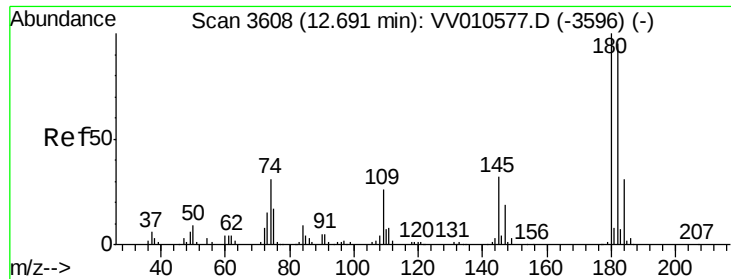


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

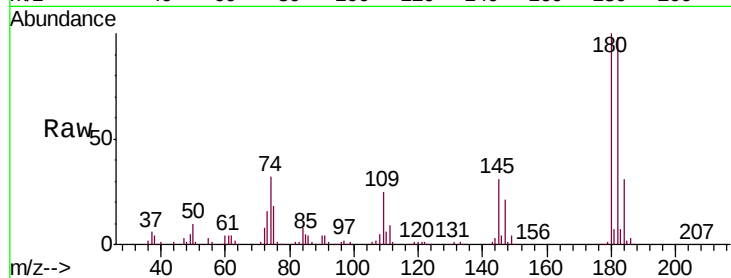




#67
 1,3,5-Trichlorobenzene
 Concen: 5.461 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.7	115.1
184	30.9	25.2	37.8
145	31.1	25.0	37.4



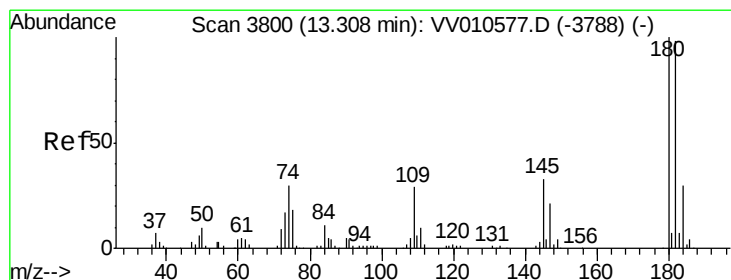
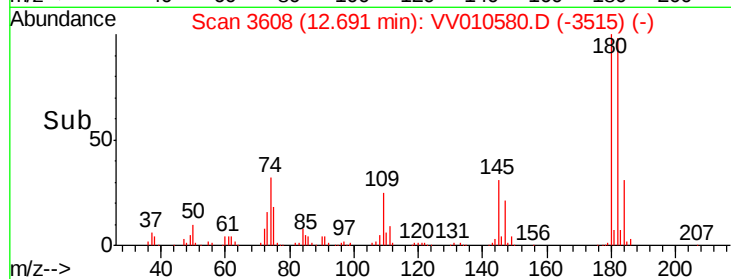
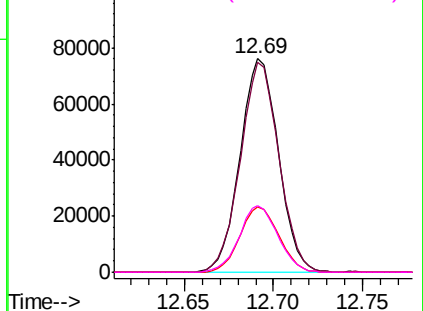
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

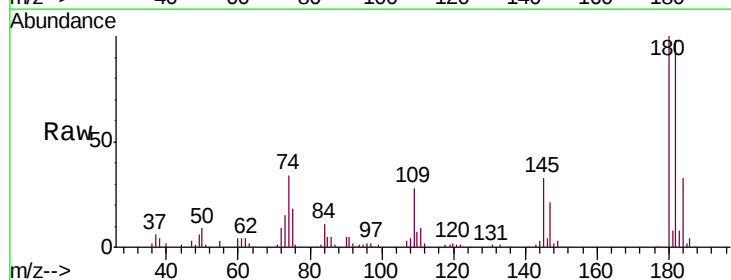
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.601 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010580.D
 Acq: 30 Apr 2019 17:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.2	115.8
145	31.6	25.9	38.9

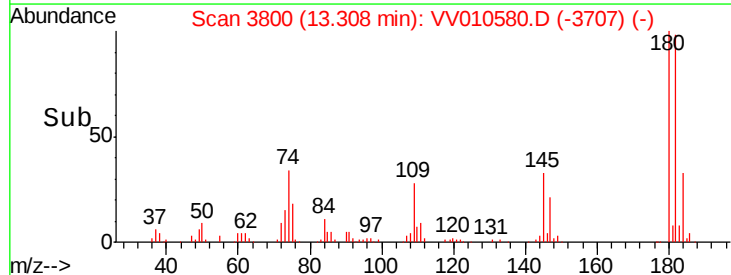
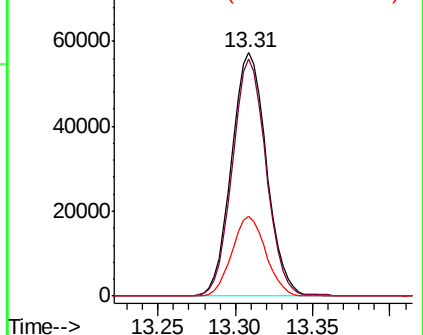


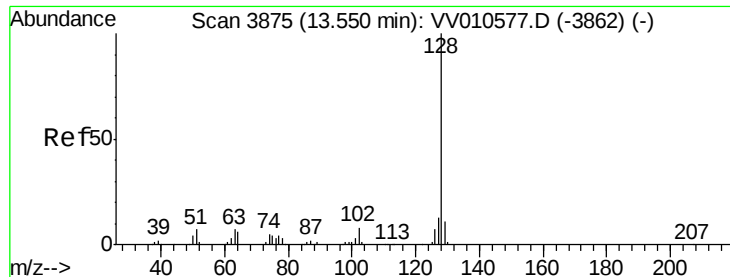
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.583 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

Instrument :

MSVOA_V

ClientSampleId :

VICV40

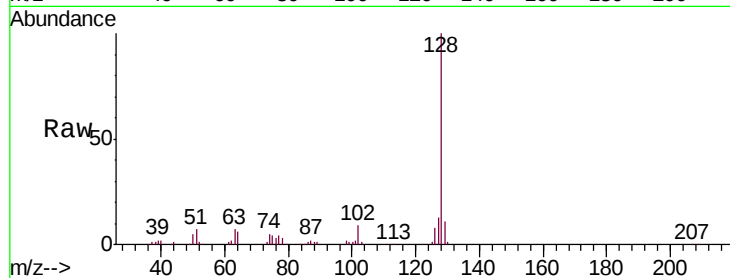
Tgt Ion:128 Resp: 143234

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

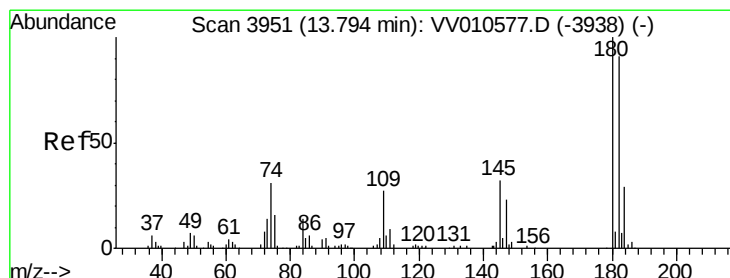
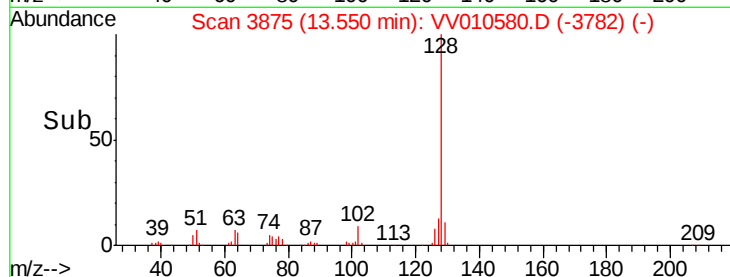
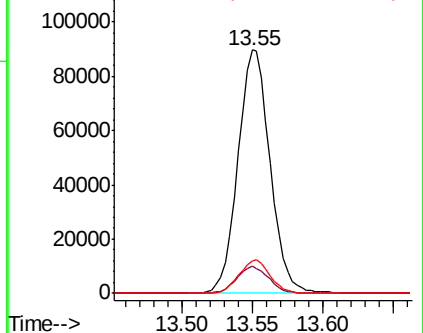
127 13.3 10.7 16.1



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: 5.704 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010580.D

Acq: 30 Apr 2019 17:51

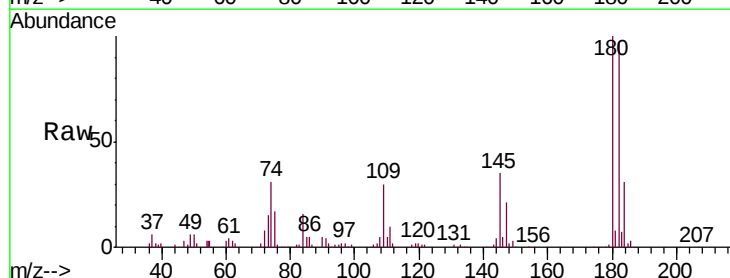
Tgt Ion:180 Resp: 83845

Ion Ratio Lower Upper

180 100

182 96.6 73.4 110.0

145 35.3 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

