

Data File : VV013435.D
Acq On : 30 Oct 2019 16:15
Operator : SY/MD
Sample : K5597-18
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE6DL

Quant Time: Oct 31 02:46:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	321629	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	334159	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	174980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	124322	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.58	69	115399	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.13	63	164423	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	3.95	46	390743	56.15	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.30%
24) Chloroform-d	4.40	84	292445	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	154778	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	577746	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.11	67	187043	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.36	98	473829	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.66	79	62479	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.13	63	230783	53.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126457	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	191530	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6400	0.148 ug/L	99
3) Chloromethane	1.23	50	2761	0.076 ug/L #	65
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1958	0.076 ug/L #	18
12) 1,1-Dichloroethene	2.13	96	1728	0.070 ug/L #	1
13) Acetone	2.21	43	6873	2.021 ug/L	80
14) Carbon disulfide	2.32	76	4919	0.066 ug/L #	80
21) 2-Butanone	4.14	43	37730	5.094 ug/L #	54
25) Chloroform	4.42	83	74489	1.170 ug/L	99
30) Cyclohexane	4.71	56	5020	0.097 ug/L #	1
31) Carbon tetrachloride	4.88	117	13557	0.302 ug/L	93
33) Benzene	5.15	78	34387	0.275 ug/L	100
35) Methylcyclohexane	6.16	83	5599	0.110 ug/L #	61
37) 1,2-Dichloropropane	6.12	63	19284	0.611 ug/L #	87
42) Toluene	7.43	91	11343	0.087 ug/L	96
44) trans-1,3-Dichloropropene	7.66	75	3470	0.103 ug/L	88
47) Tetrachloroethene	8.02	164	64334	2.215 ug/L	96
48) 2-Hexanone	8.18	43	14999	1.193 ug/L #	40

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103019\
Quantitation Report (Not Reviewed)

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Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

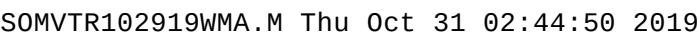
Instrument :
MSVOA_V
ClientSampleId :
GAQE6DL

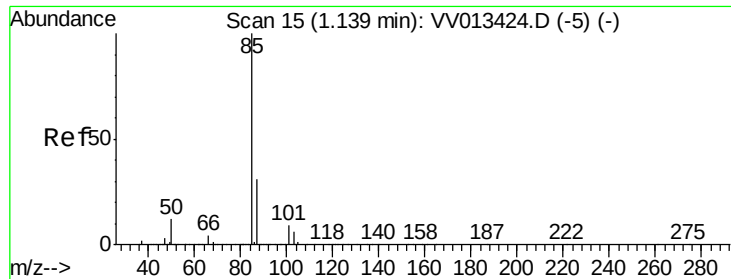
Quant Time: Oct 31 02:46:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.02	129	51758	1.991	ug/L #	11
53) m,p-xylene	9.18	106	8245	0.162	ug/L	90
56) Isopropylbenzene	9.97	105	6801	0.051	ug/L #	90
69) Naphthalene	13.55	128	16915	0.338	ug/L #	96

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

Quant Time: Oct 31 02:46:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.148 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

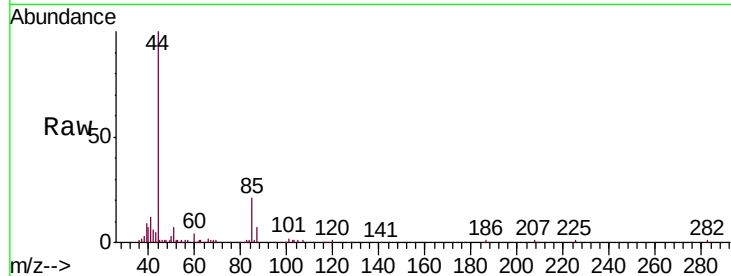
GAQE6DL

Tgt Ion: 85 Resp: 6400

Ion Ratio Lower Upper

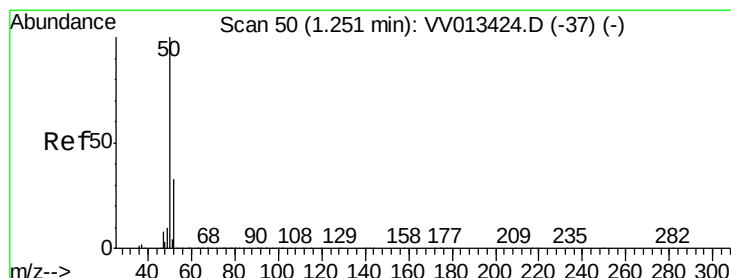
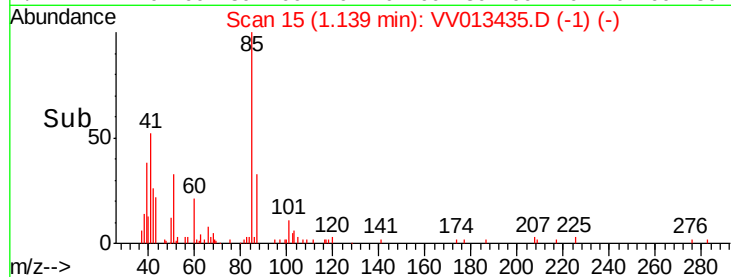
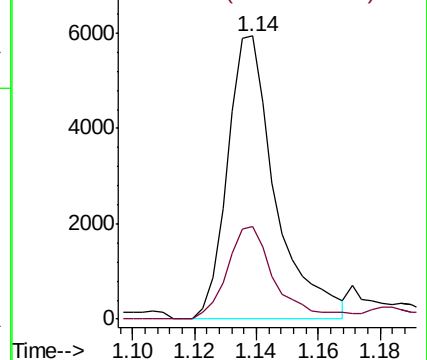
85 100

87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.076 ug/L

RT: 1.23 min Scan# 42

Delta R.T. -0.03 min

Lab File: VV013435.D

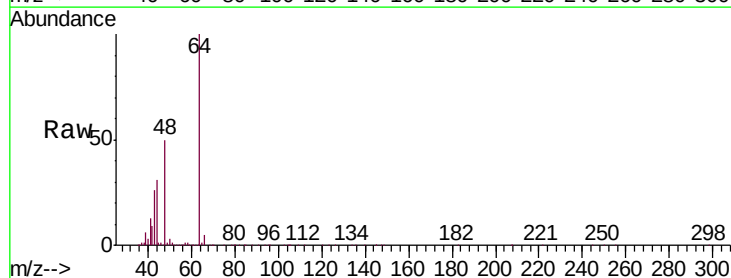
Acq: 30 Oct 2019 16:15

Tgt Ion: 50 Resp: 2761

Ion Ratio Lower Upper

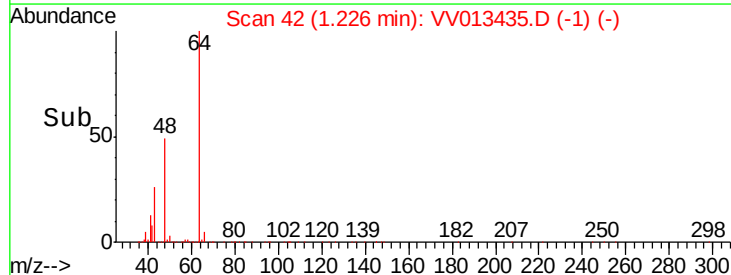
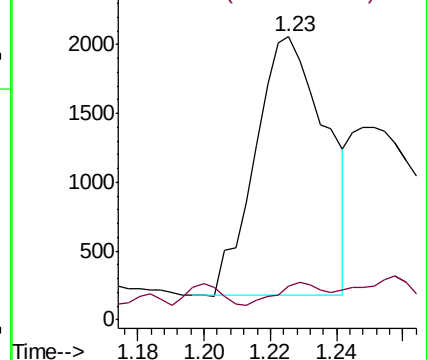
50 100

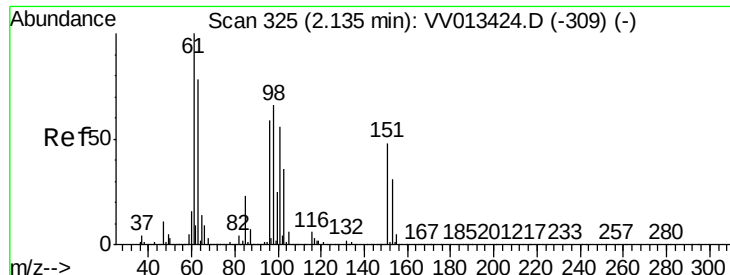
52 12.0 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#10

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

Concen: 0.076 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

GAQE6DL

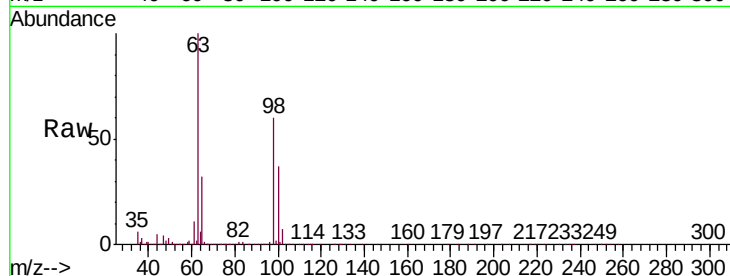
Tgt Ion: 101 Resp: 1958

Ion Ratio Lower Upper

101 100

85 4.3 33.0 49.4#

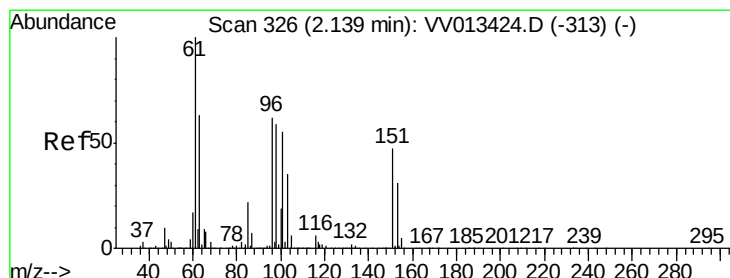
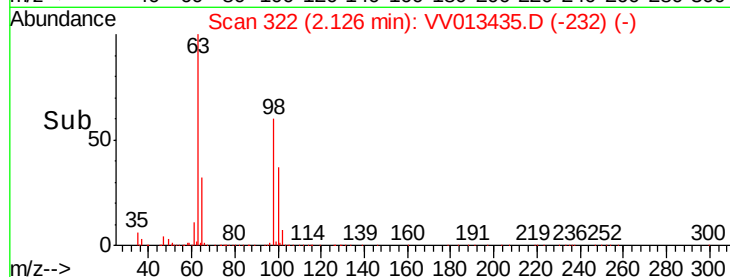
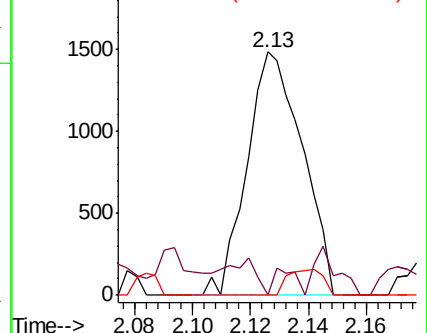
151 0.0 68.2 102.2#



Abundance Ion 101.00 (100.70 to 101.70): VV013435.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013435.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013435.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

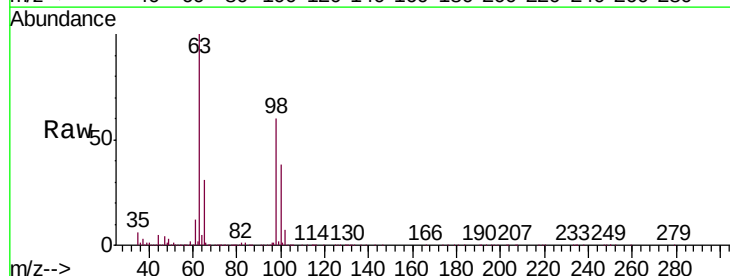
Tgt Ion: 96 Resp: 1728

Ion Ratio Lower Upper

96 100

61 1172.9 117.8 218.8#

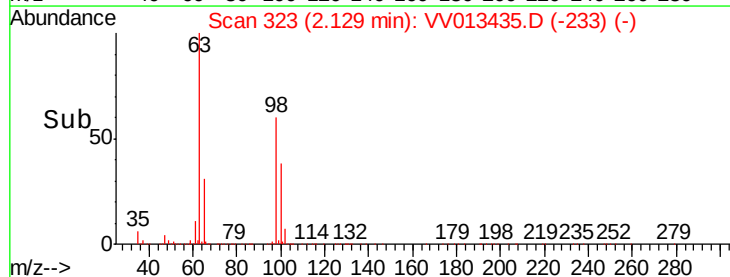
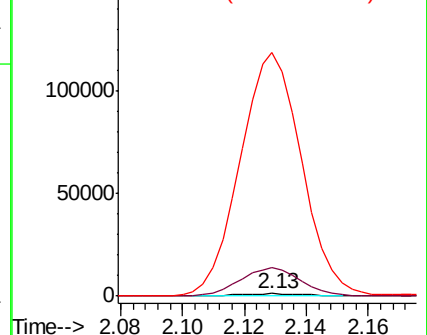
63 10139.3 85.5 158.9#

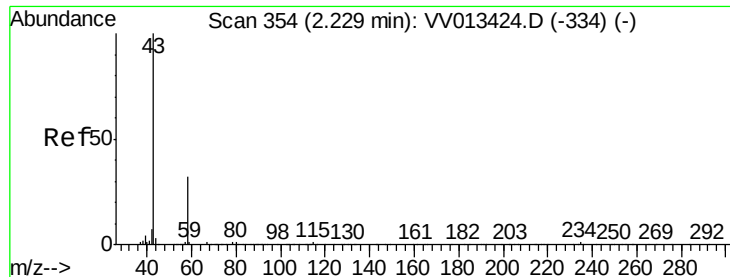


Abundance Ion 96.00 (95.70 to 96.70): VV013435.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013435.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013435.D (-233) (-)





#13

Acetone

Concen: 2.021 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

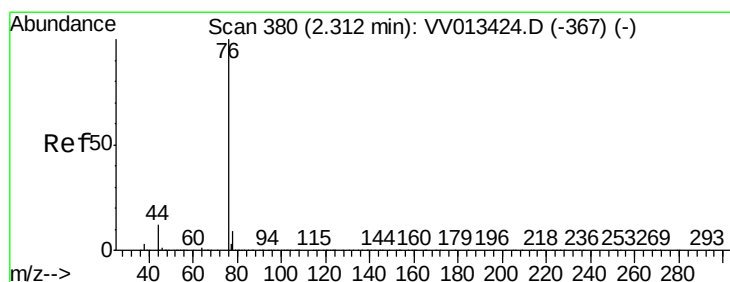
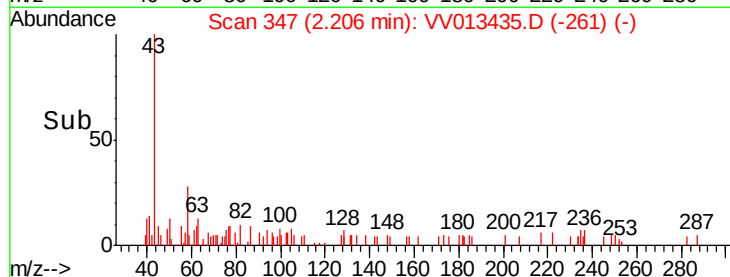
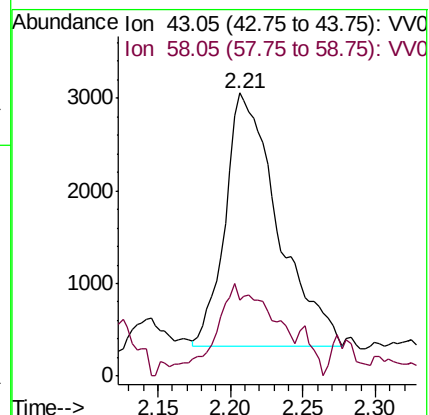
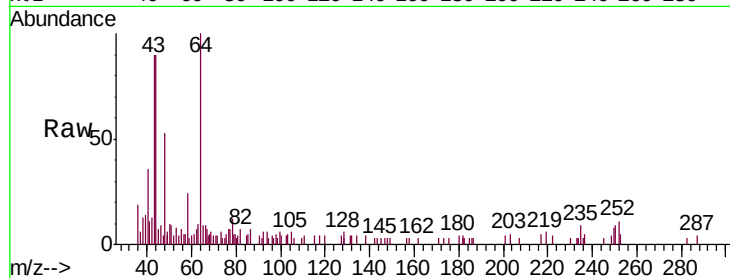
GAQE6DL

Tgt Ion: 43 Resp: 6873

Ion Ratio Lower Upper

43 100

58 40.2 0.0 59.0



#14

Carbon disulfide

Concen: 0.066 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013435.D

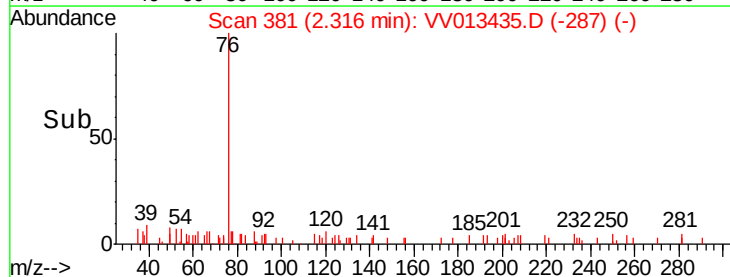
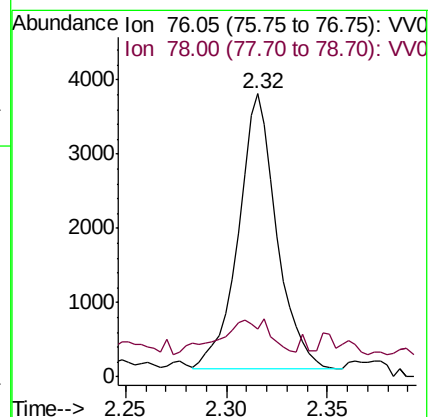
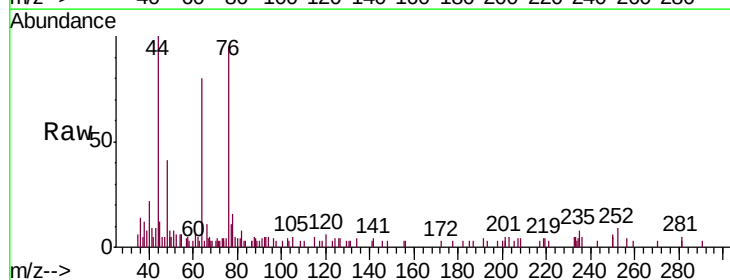
Acq: 30 Oct 2019 16:15

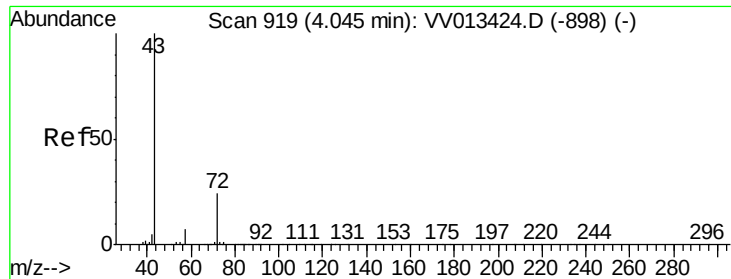
Tgt Ion: 76 Resp: 4919

Ion Ratio Lower Upper

76 100

78 16.8 7.5 11.3#

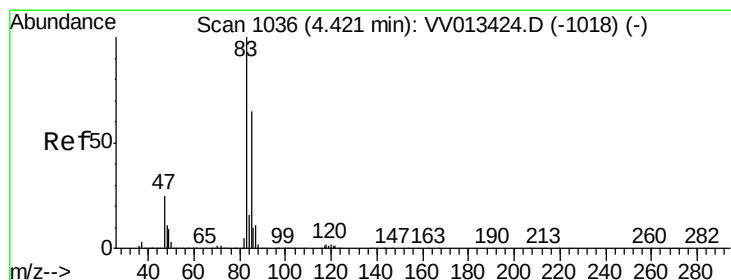
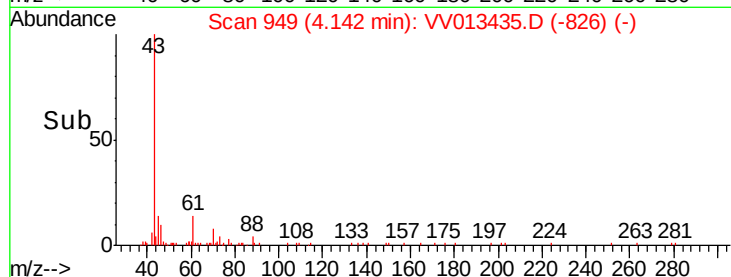
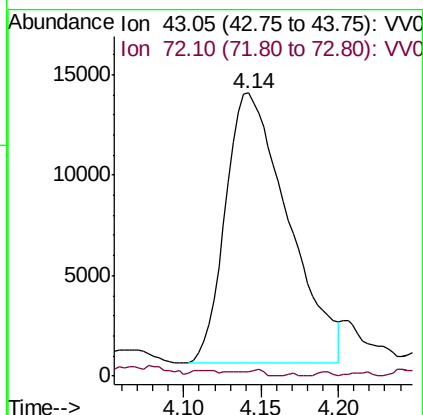
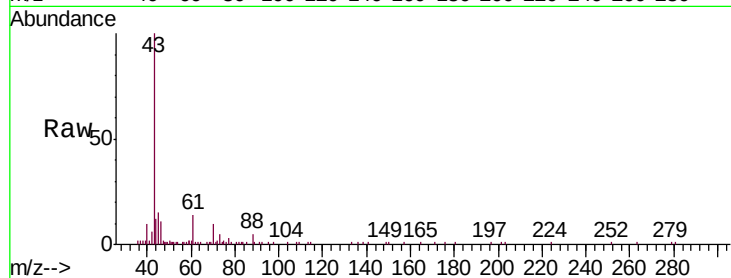




#21
2-Butanone
Concen: 5.094 ug/L
RT: 4.14 min Scan# 949
Delta R.T. 0.10 min
Lab File: VV013435.D
Acq: 30 Oct 2019 16:15

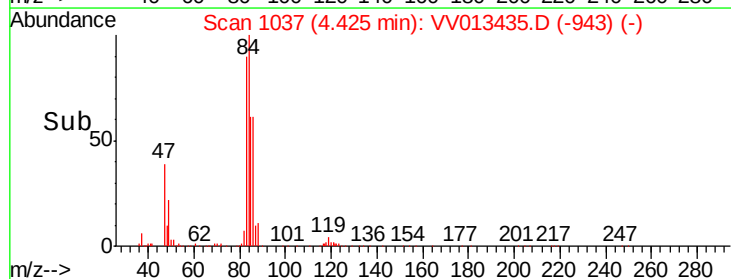
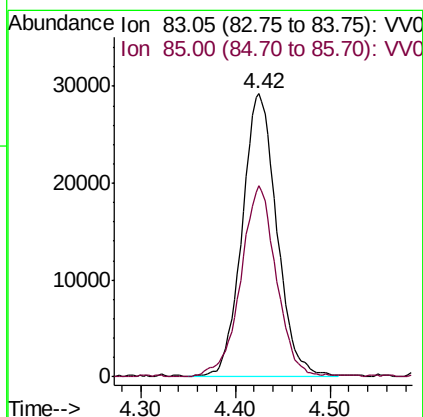
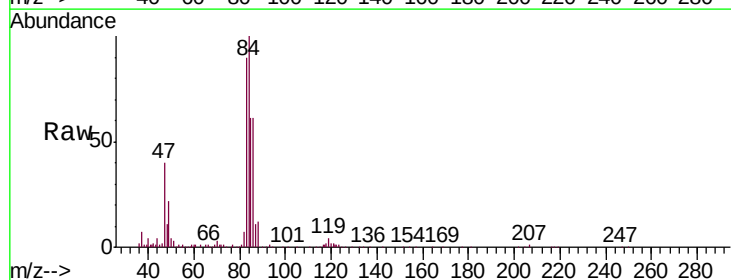
Instrument :
MSVOA_V
ClientSampleId :
GAQE6DL

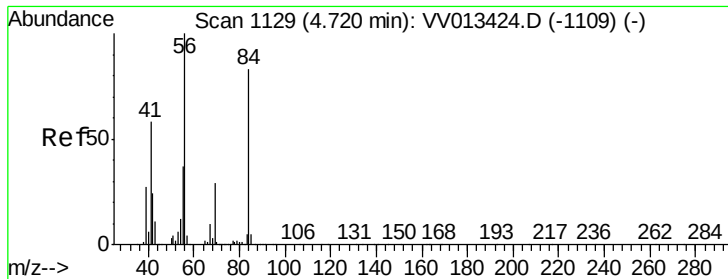
Tgt Ion: 43 Resp: 37730
Ion Ratio Lower Upper
43 100
72 0.6 11.3 33.9#



#25
Chloroform
Concen: 1.170 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013435.D
Acq: 30 Oct 2019 16:15

Tgt Ion: 83 Resp: 74489
Ion Ratio Lower Upper
83 100
85 67.4 46.5 86.5

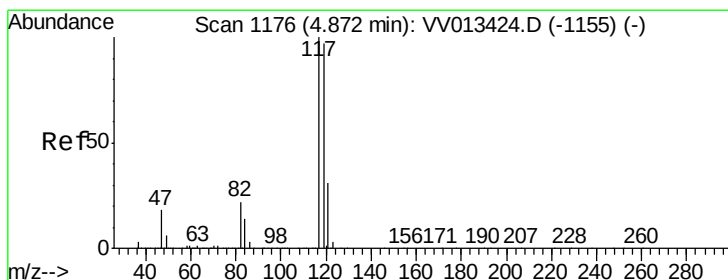
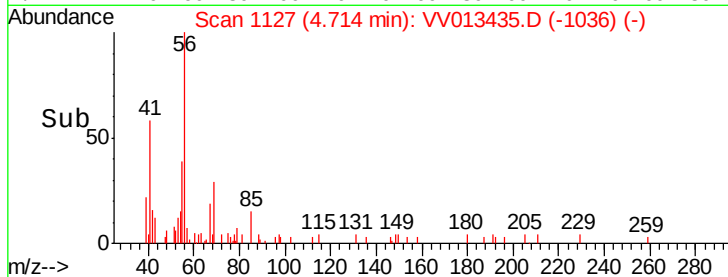
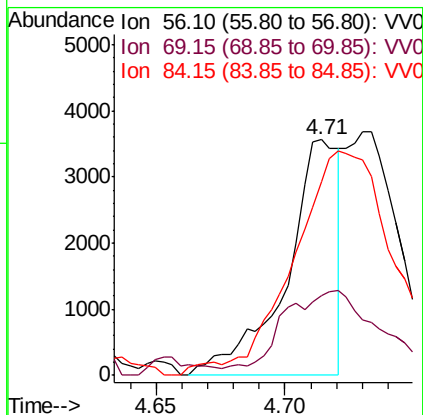
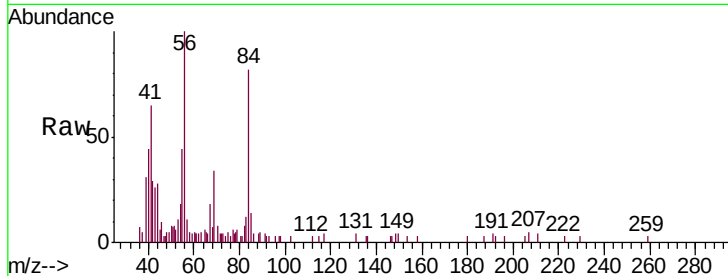




#30
Cyclohexane
Concen: 0.097 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VV013435.D
Acq: 30 Oct 2019 16:15

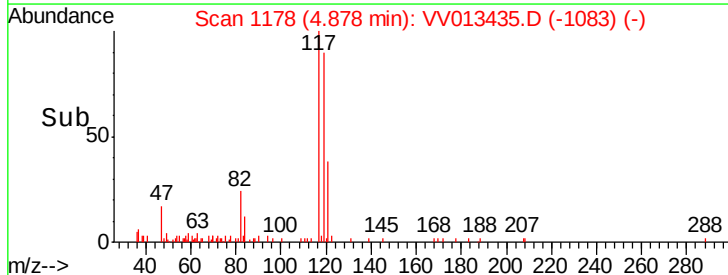
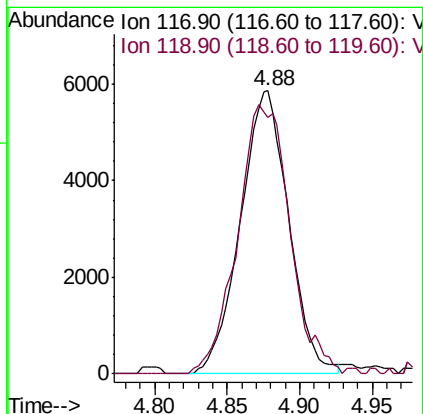
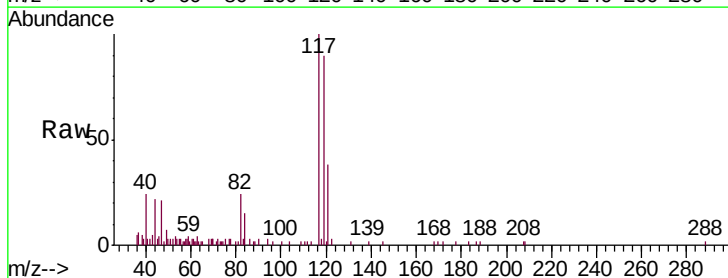
Instrument :
MSVOA_V
ClientSampleId :
GAQE6DL

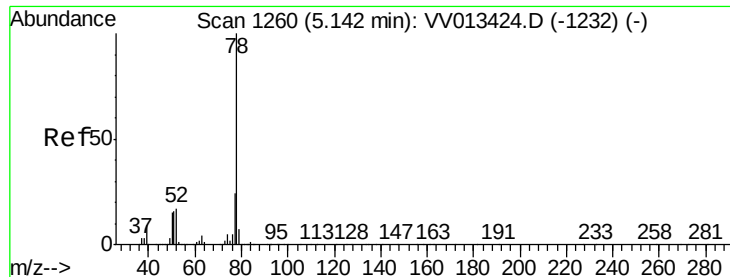
Tgt Ion: 56 Resp: 5020
Ion Ratio Lower Upper
56 100
69 66.7 22.7 34.1#
84 183.4 65.5 98.3#



#31
Carbon tetrachloride
Concen: 0.302 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VV013435.D
Acq: 30 Oct 2019 16:15

Tgt Ion: 117 Resp: 13557
Ion Ratio Lower Upper
117 100
119 102.8 76.7 115.1





#33

Benzene

Concen: 0.275 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

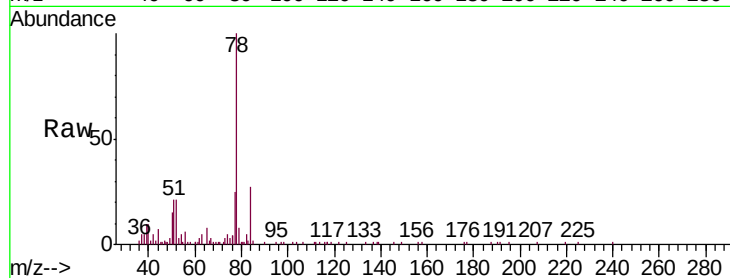
Instrument :

MSVOA_V

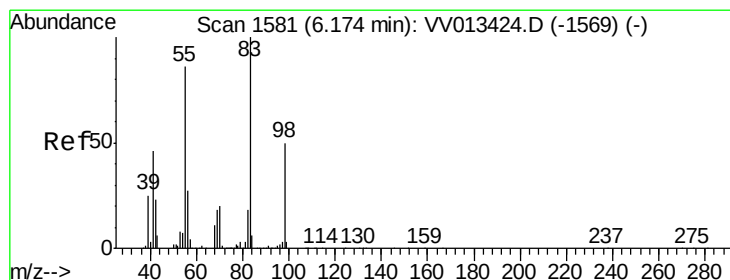
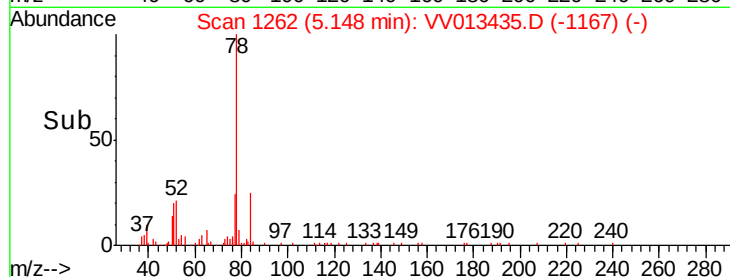
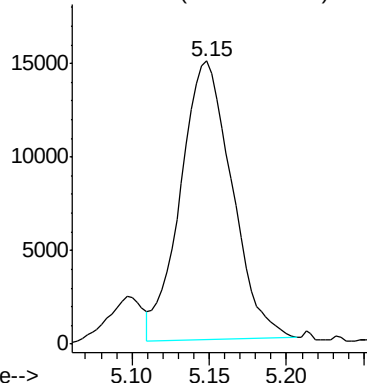
ClientSampled :

GAQE6DL

Tgt Ion: 78 Resp: 34387



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.110 ug/L

RT: 6.16 min Scan# 1577

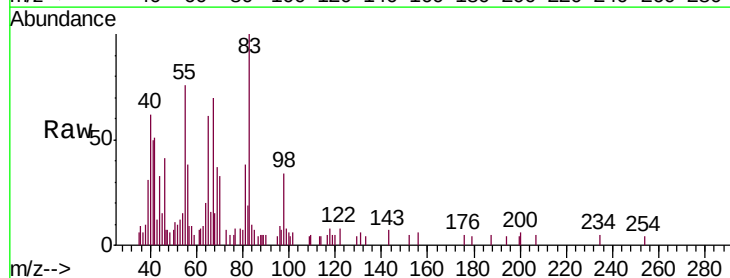
Delta R.T. -0.01 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Tgt Ion: 83 Resp: 5599

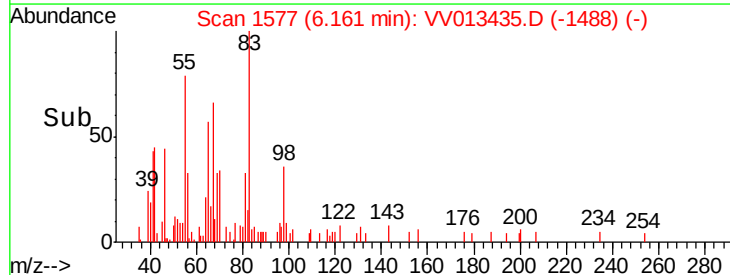
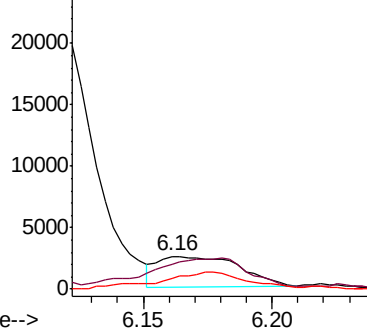
Ion	Ratio	Lower	Upper
83	100		
55	129.8	66.0	99.0#
98	57.8	38.2	57.4#

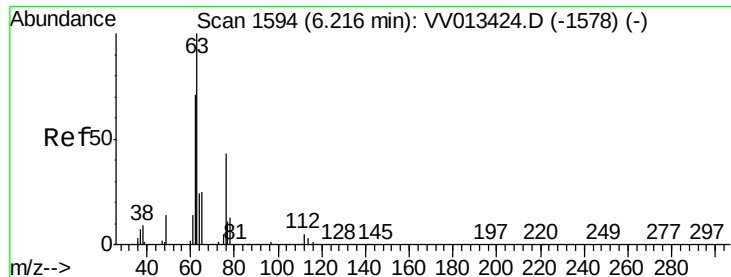


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

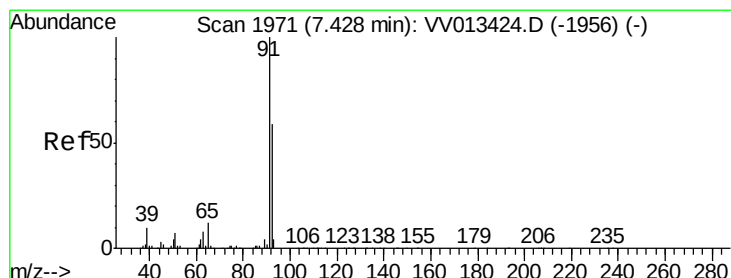
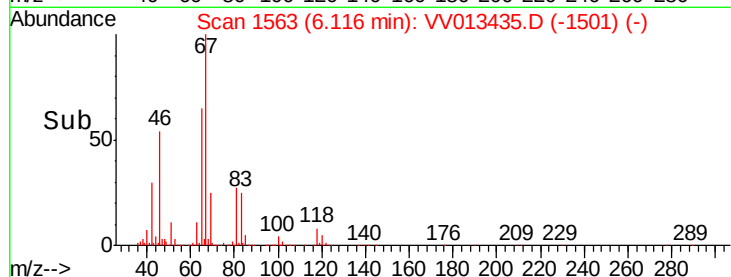
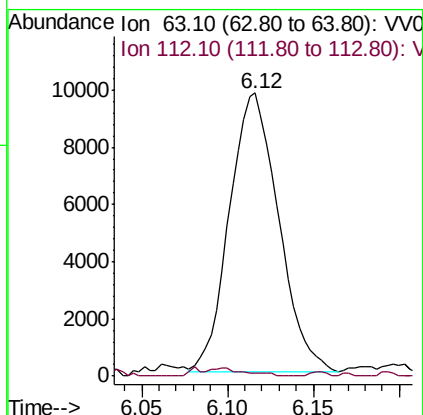
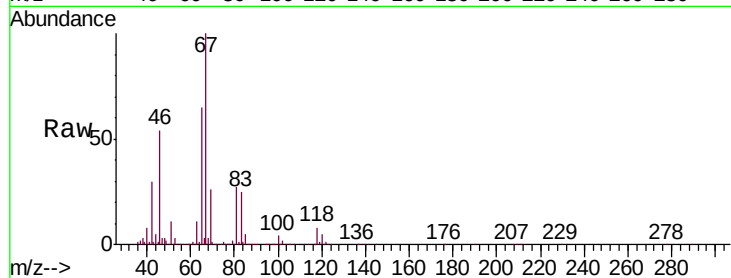




#37
 1,2-Dichloropropane
 Concen: 0.611 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013435.D
 Acq: 30 Oct 2019 16:15

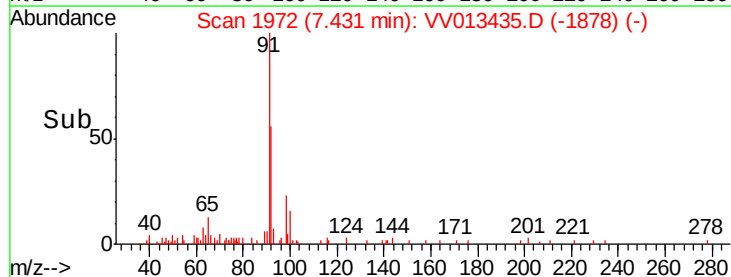
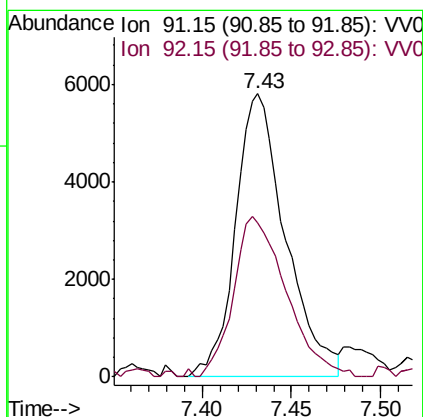
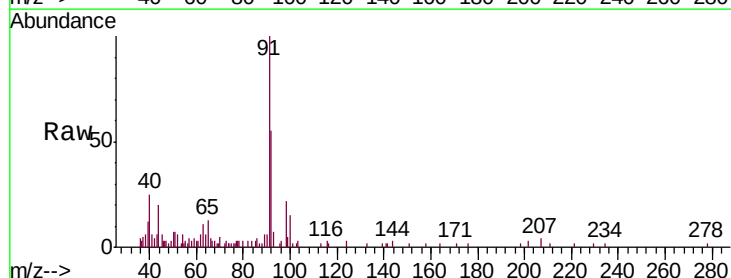
Instrument :
 MSVOA_V
 ClientSampleID :
 GAQE6DL

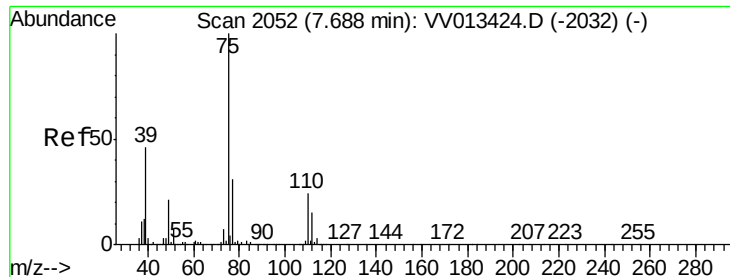
Tgt Ion: 63 Resp: 19284
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.6 5.4#



#42
 Toluene
 Concen: 0.087 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013435.D
 Acq: 30 Oct 2019 16:15

Tgt Ion: 91 Resp: 11343
 Ion Ratio Lower Upper
 91 100
 92 54.5 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

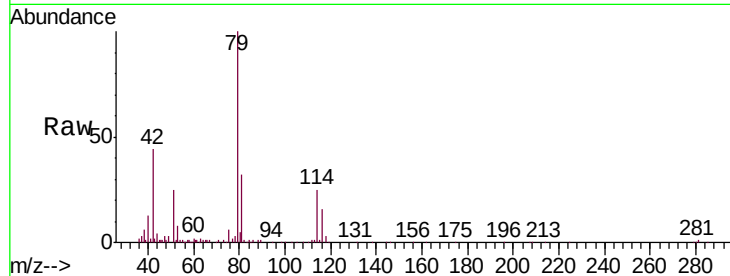
GAQE6DL

Tgt Ion: 75 Resp: 3470

Ion Ratio Lower Upper

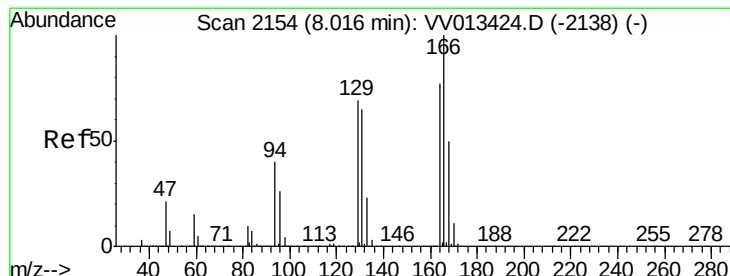
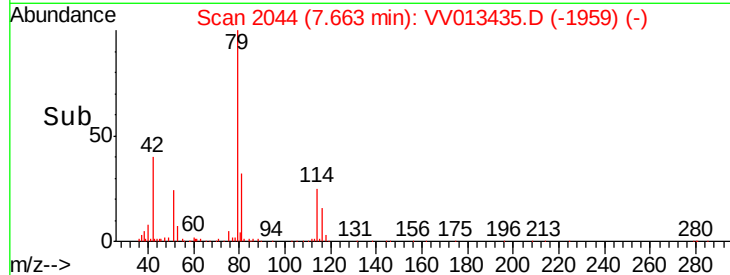
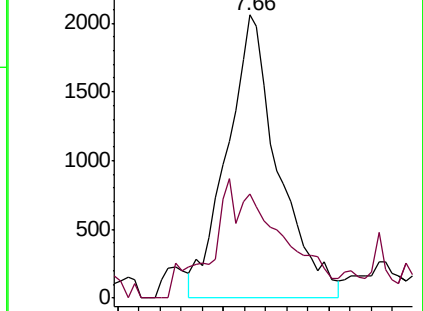
75 100

77 37.0 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 2.215 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Tgt Ion: 164 Resp: 64334

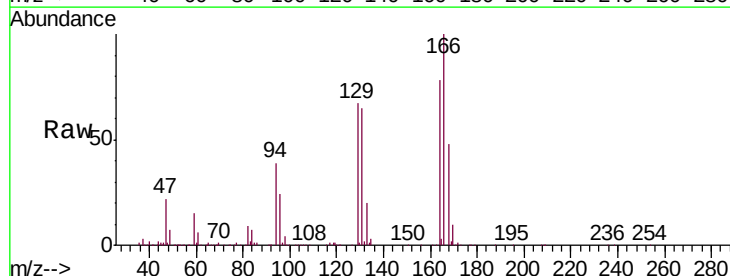
Ion Ratio Lower Upper

164 100

129 85.3 63.4 117.8

131 82.5 60.3 112.1

166 127.5 90.8 168.6

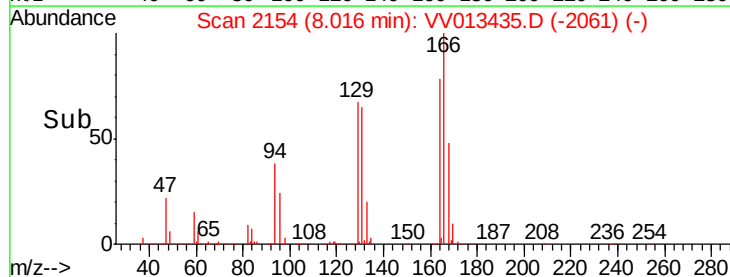
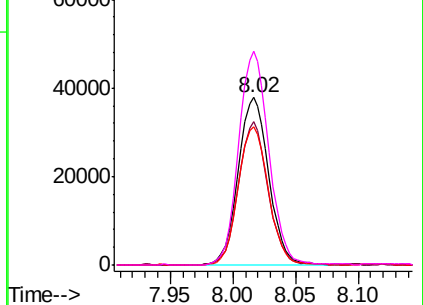


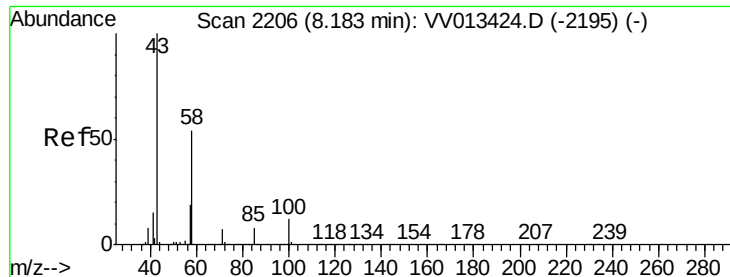
Abundance Ion 163.90 (163.60 to 164.60): V

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

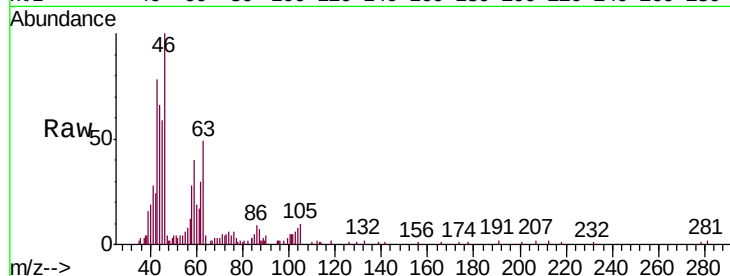




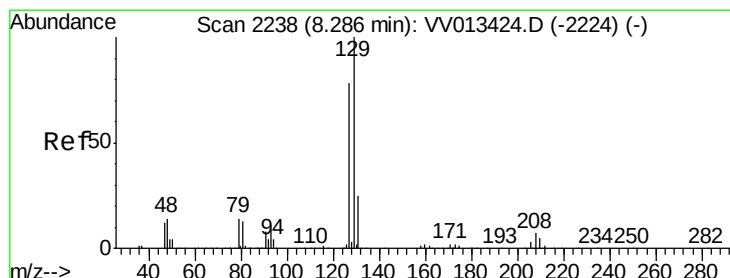
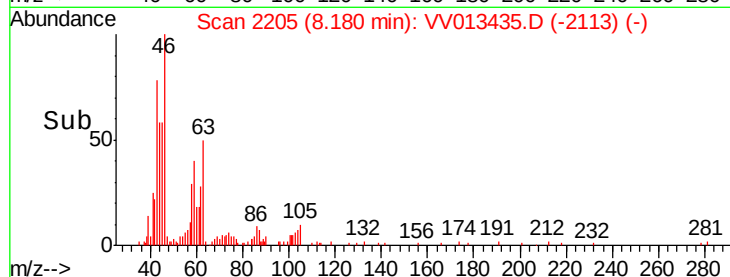
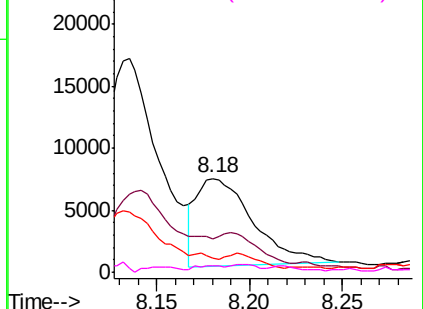
#48
2-Hexanone
Concen: 1.193 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013435.D
Acq: 30 Oct 2019 16:15

Instrument :
MSVOA_V
ClientSampleId :
GAQE6DL

Tgt Ion:	43	Resp:	14999
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.5	65.3#
57	0.0	14.3	21.5#
100	4.0	9.3	13.9#

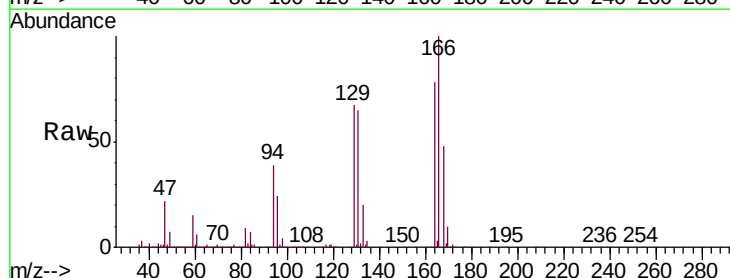


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

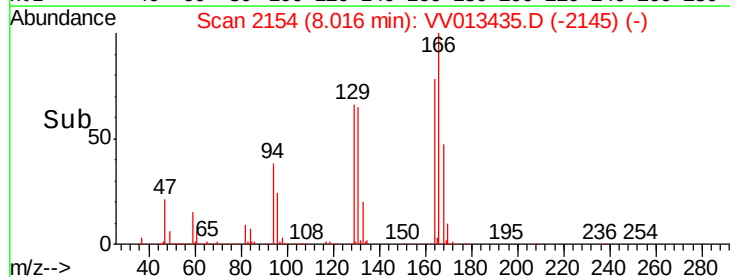
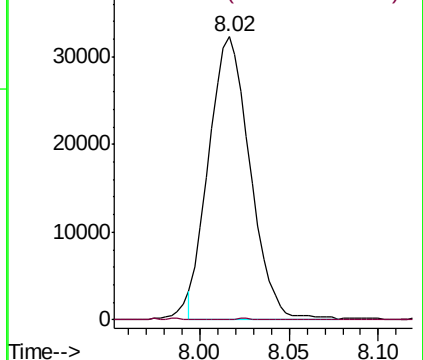


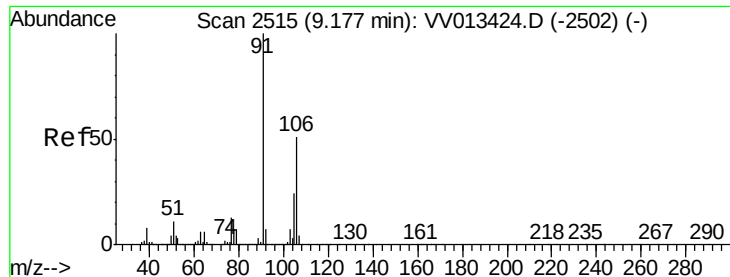
#49
Dibromochloromethane
Concen: 1.991 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013435.D
Acq: 30 Oct 2019 16:15

Tgt Ion:	129	Resp:	51758
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	100.0#



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





#53

m,p-xylene

Concen: 0.162 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

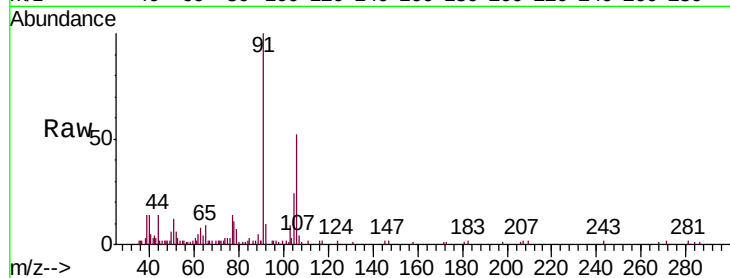
GAQE6DL

Tgt Ion:106 Resp: 8245

Ion Ratio Lower Upper

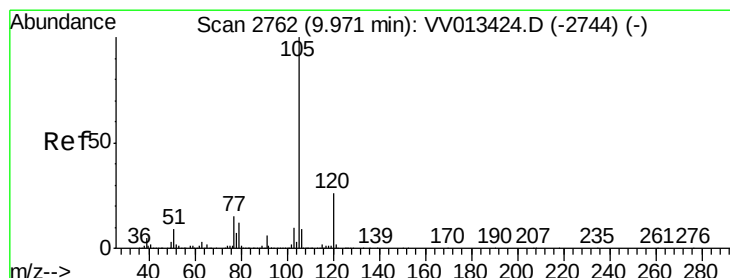
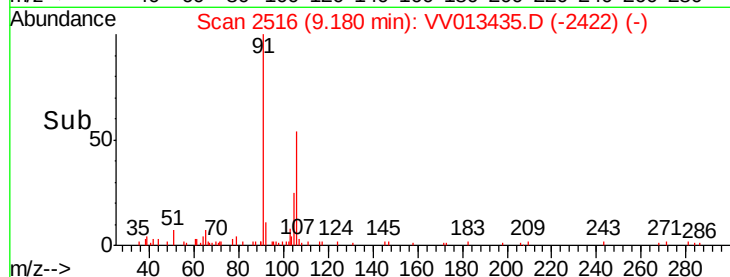
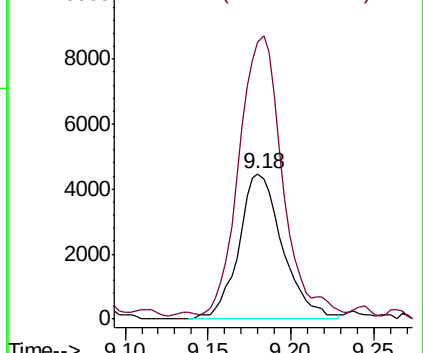
106 100

91 190.6 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.051 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

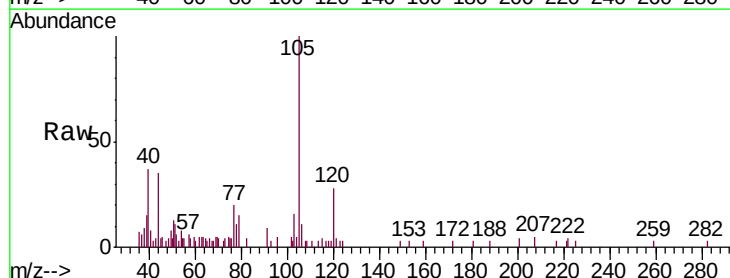
Tgt Ion:105 Resp: 6801

Ion Ratio Lower Upper

105 100

120 30.6 21.0 31.6

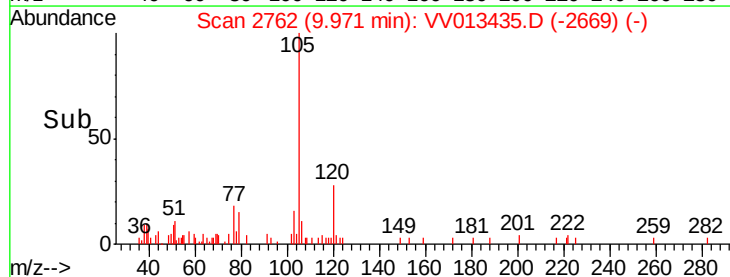
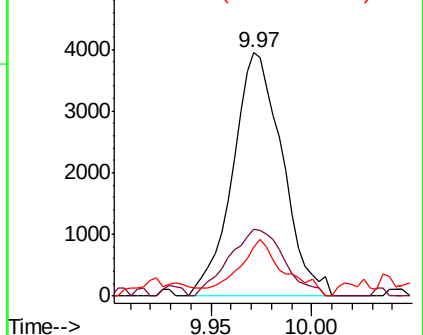
77 21.2 12.9 19.3#

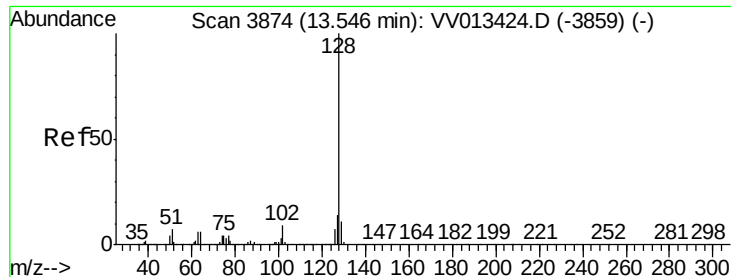


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#69

Naphthalene

Concen: 0.338 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013435.D

Acq: 30 Oct 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

GAQE6DL

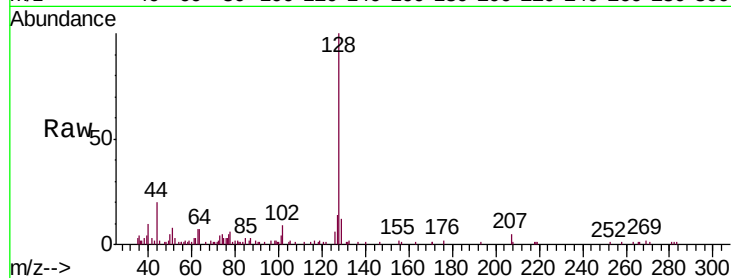
Tgt Ion:128 Resp: 16915

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 10.3 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

