

Data File : VU035998.D
Acq On : 05 Dec 2019 16:46
Operator : JC/SP
Sample : K6105-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE33

Quant Time: Dec 06 01:01:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	278013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	301580	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	91169	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123785	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.93	69	107507	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.60	63	389628	8.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	171.20%#
20) 2-Butanone-d5	4.69	46	248230	44.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.46%
24) Chloroform-d	5.11	84	198738	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.75	65	107275	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.77	84	391594	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.73	67	126947	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.93	98	321444	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.21	79	45919	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.68	63	197128	42.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.82%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	105182	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	95911	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90734	4.246	ug/L	94
12) 1,1-Dichloroethene	2.61	96	477136	23.948	ug/L #	71
13) Acetone	2.67	43	6598	1.300	ug/L	92
17) Methyl tert-butyl Ether	3.42	73	25796	0.553	ug/L	98
19) 1,1-Dichloroethane	3.92	63	134442	3.260	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	273394	12.266	ug/L	91
25) Chloroform	5.14	83	25869	0.622	ug/L	95
27) 1,2-Dichloroethane	5.84	62	8880	0.334	ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	271929	7.455	ug/L	98
31) Carbon tetrachloride	5.56	117	3300	0.102	ug/L	93
34) Trichloroethene	6.58	95	3475839	144.929	ug/L	96
35) Methylcyclohexane	6.73	83	29585	0.823	ug/L #	16
39) cis-1,3-Dichloropropene	7.60	75	3275	0.096	ug/L #	59
45) 1,1,2-Trichloroethane	8.44	97	2741	0.157	ug/L	91
47) Tetrachloroethene	8.58	164	640002	32.833	ug/L	95
48) 2-Hexanone	8.68	43	22721	2.038	ug/L #	66
49) Dibromochloromethane	8.58	129	571716	26.818	ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120519\
Quantitation Report (Not Reviewed)

Data File : VU035998.D
Acq On : 05 Dec 2019 16:46
Operator : JC/SP
Sample : K6105-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE33

Quant Time: Dec 06 01:01:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration

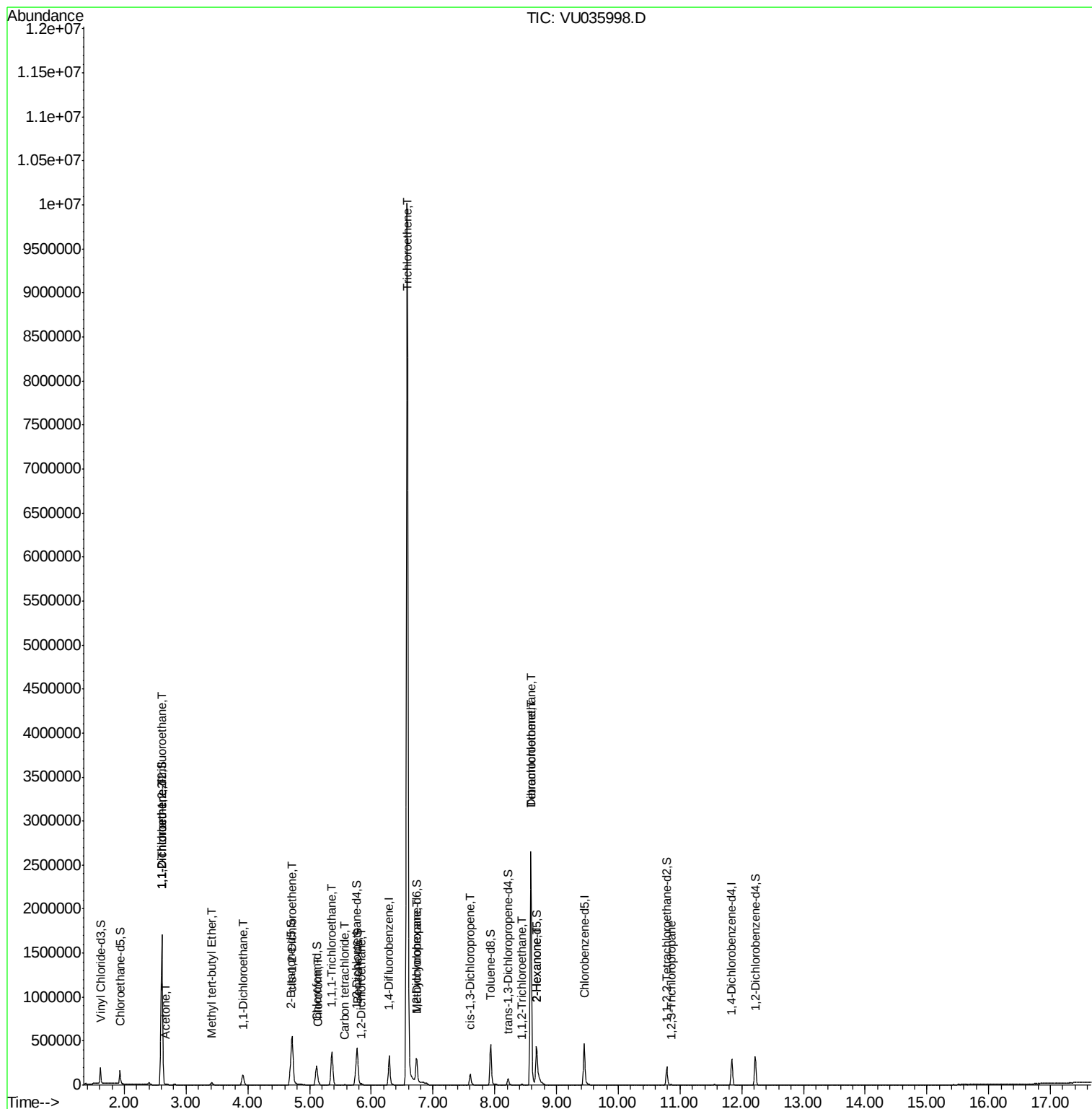
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	10.85	75	2595	0.155	ug/L	95

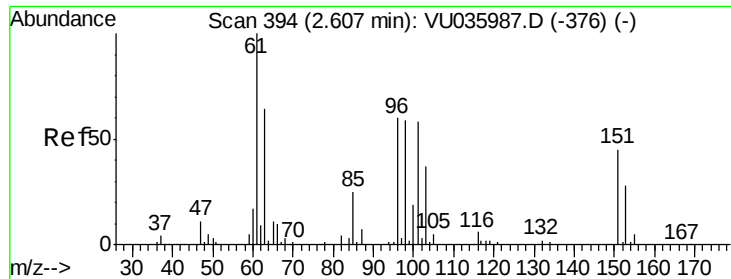
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035998.D
Acq On : 05 Dec 2019 16:46
Operator : JC/SP
Sample : K6105-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE33

Quant Time: Dec 06 01:01:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration





#10

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

Concen: 4.246 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

BFE33

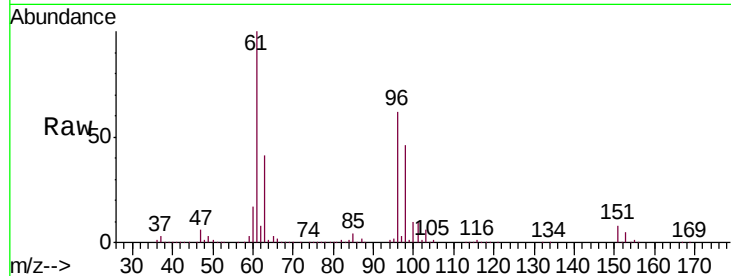
Tgt Ion: 101 Resp: 90734

Ion Ratio Lower Upper

101 100

85 43.8 35.5 53.3

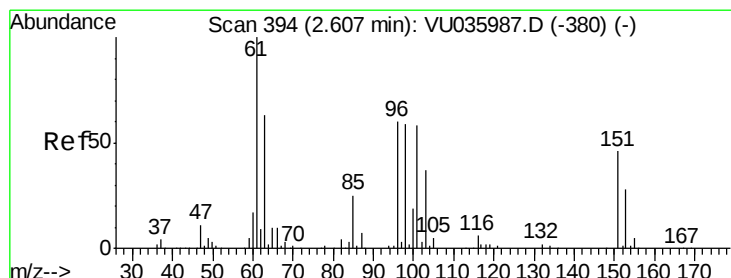
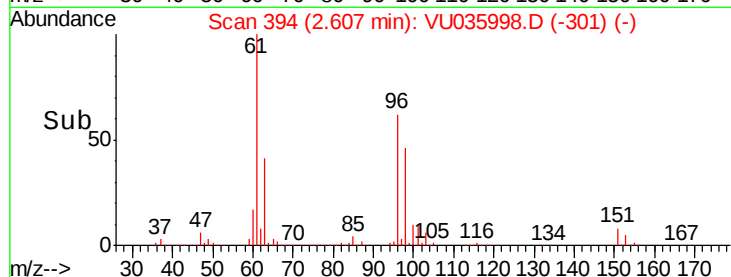
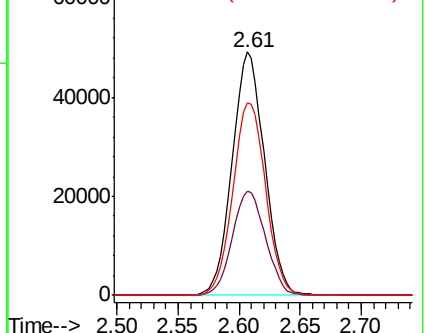
151 79.9 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): VU035998.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU035998.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU035998.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 23.948 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

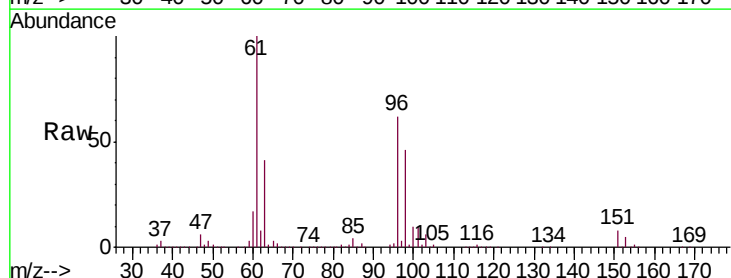
Tgt Ion: 96 Resp: 477136

Ion Ratio Lower Upper

96 100

61 160.8 127.1 236.1

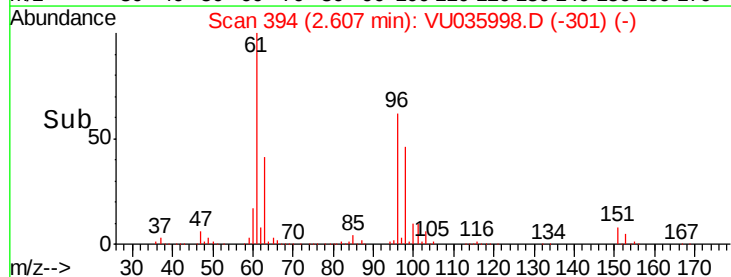
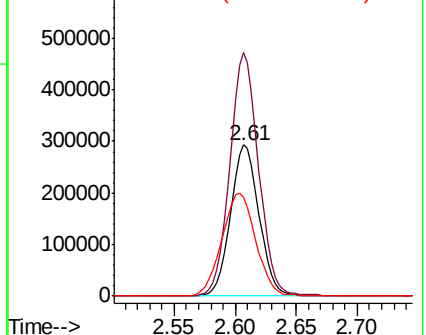
63 65.1 86.0 159.8#

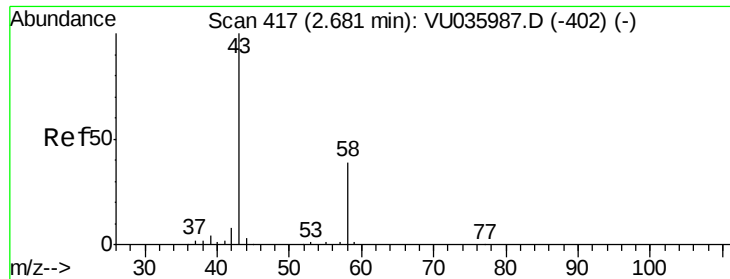


Abundance Ion 96.00 (95.70 to 96.70): VU035998.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035998.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035998.D (-301) (-)





#13

Acetone

Concen: 1.300 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

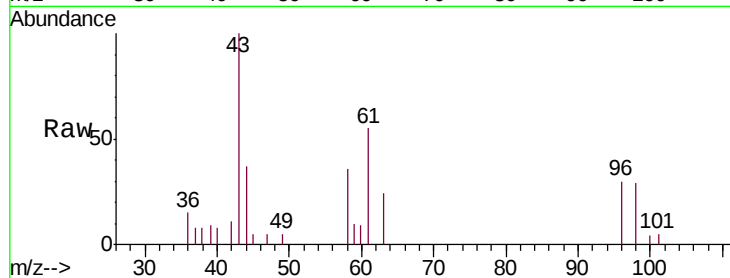
BFE33

Tgt Ion: 43 Resp: 6598

Ion Ratio Lower Upper

43 100

58 38.9 0.0 68.6

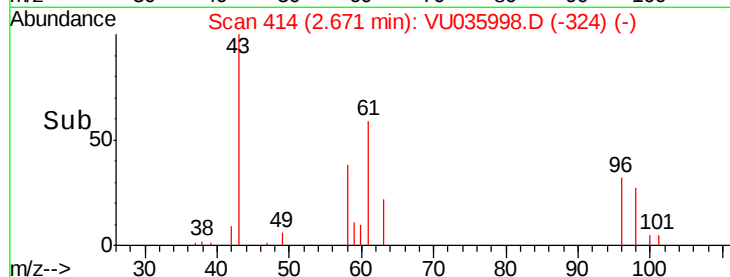


Abundance Ion 43.05 (42.75 to 43.75): VU035987.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035987.D (-402) (-)

2.67

Time-->



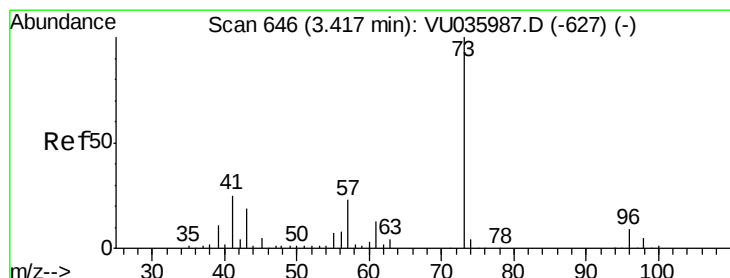
Abundance Ion 73.10 (72.80 to 73.80): VU035987.D (-627) (-)

Ion 43.05 (42.75 to 43.75): VU035987.D (-627) (-)

Ion 57.10 (56.80 to 57.80): VU035987.D (-627) (-)

3.42

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.553 ug/L

RT: 3.42 min Scan# 646

Delta R.T. 0.00 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

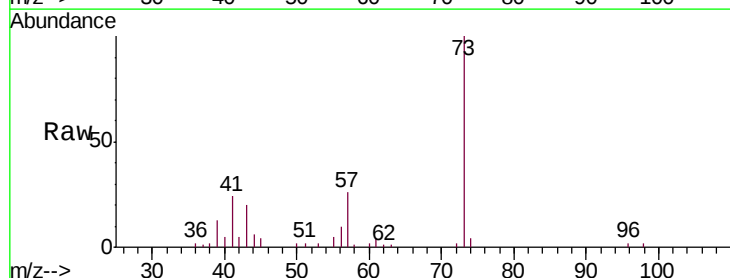
Tgt Ion: 73 Resp: 25796

Ion Ratio Lower Upper

73 100

43 21.9 15.9 23.9

57 23.9 18.8 28.2



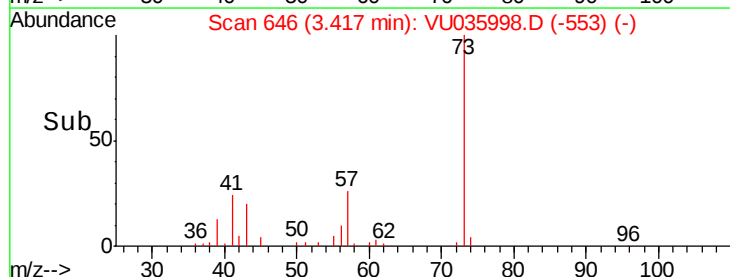
Abundance Ion 73.10 (72.80 to 73.80): VU035987.D (-627) (-)

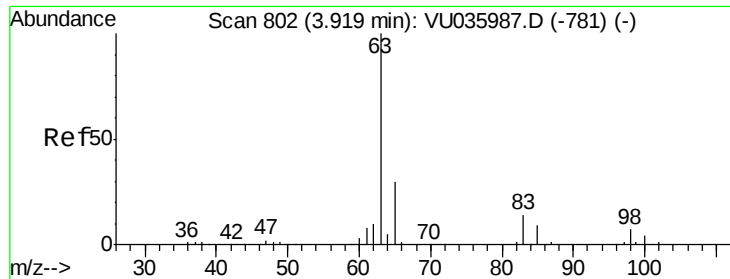
Ion 43.05 (42.75 to 43.75): VU035987.D (-627) (-)

Ion 57.10 (56.80 to 57.80): VU035987.D (-627) (-)

3.42

Time-->

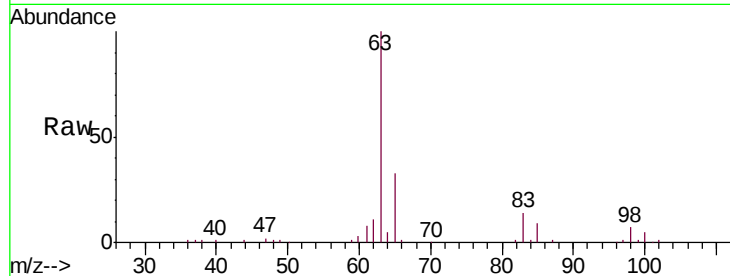




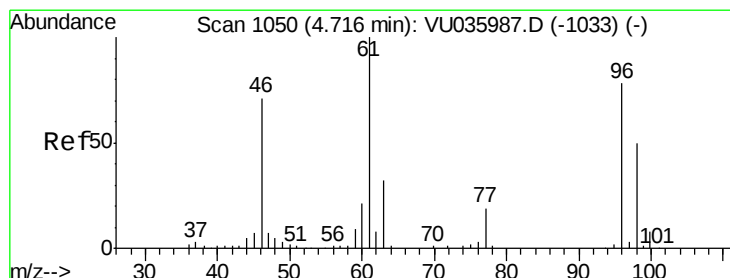
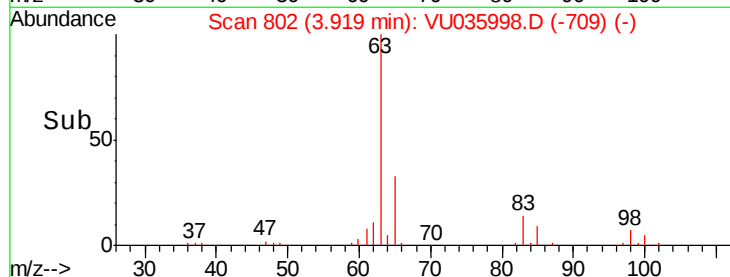
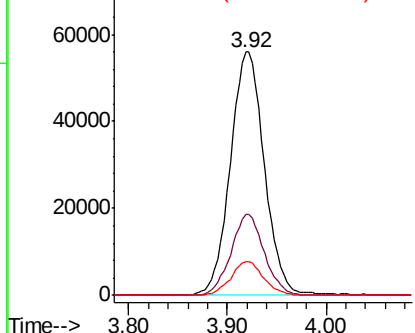
#19
 1,1-Dichloroethane
 Concen: 3.260 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE33

Tgt Ion: 63 Resp: 134442
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.4 41.6
 83 14.0 9.8 18.2

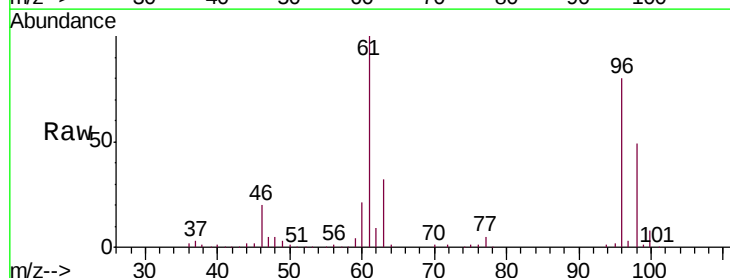


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

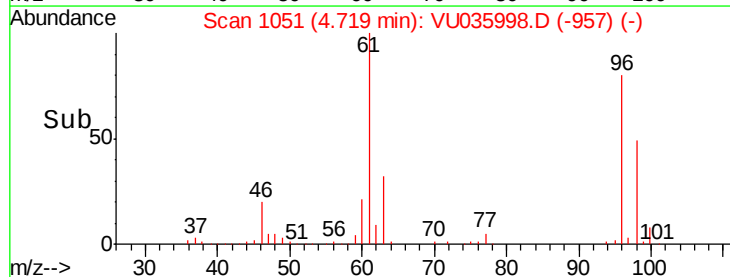
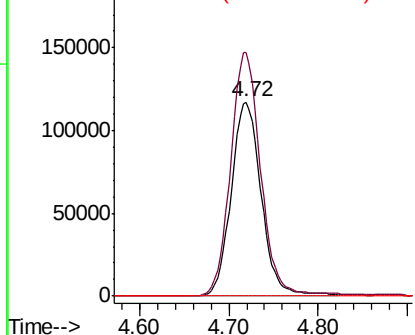


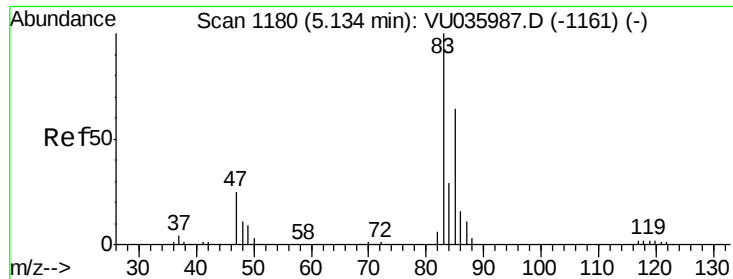
#22
 cis-1,2-Dichloroethene
 Concen: 12.266 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Tgt Ion: 96 Resp: 273394
 Ion Ratio Lower Upper
 96 100
 61 125.3 95.7 177.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

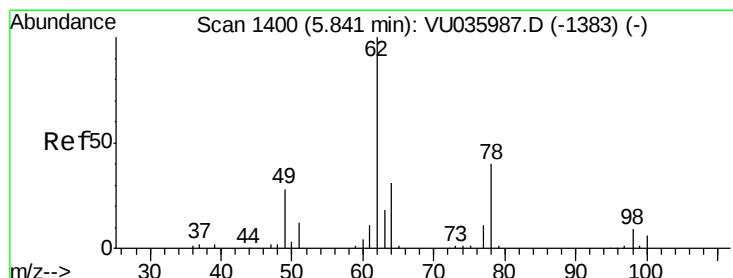
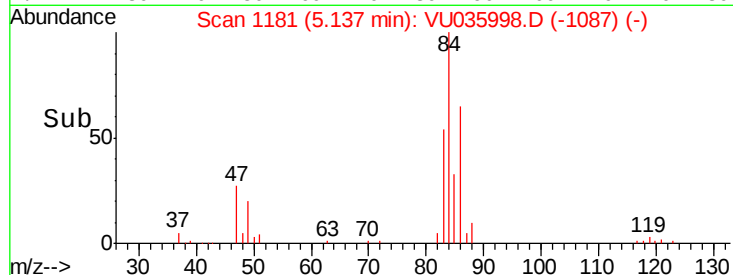
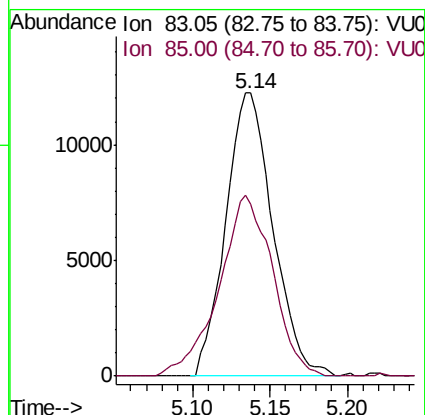
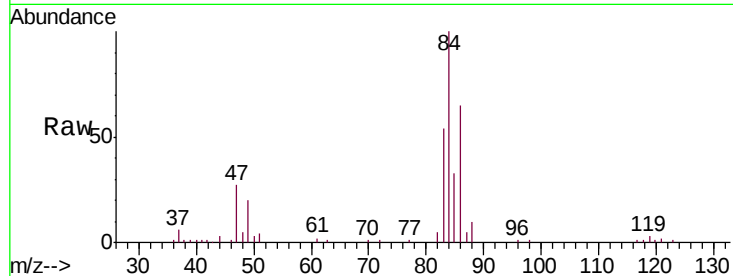




#25
Chloroform
Concen: 0.622 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

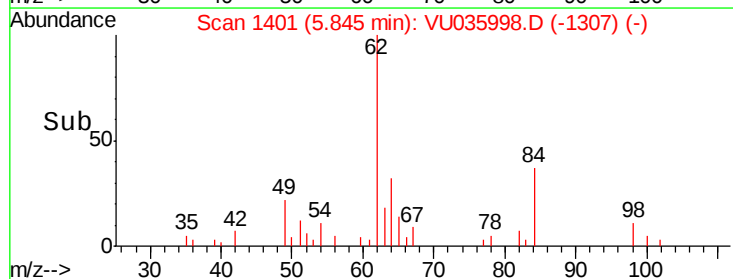
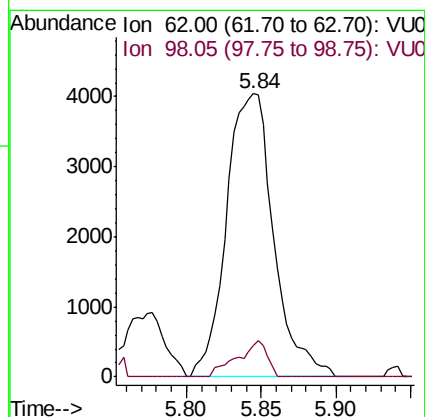
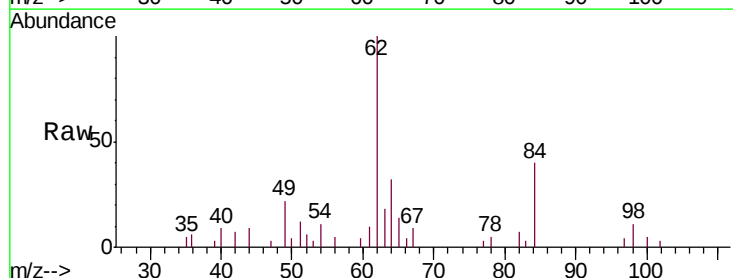
Instrument :
MSVOA_U
ClientSampled :
BFE33

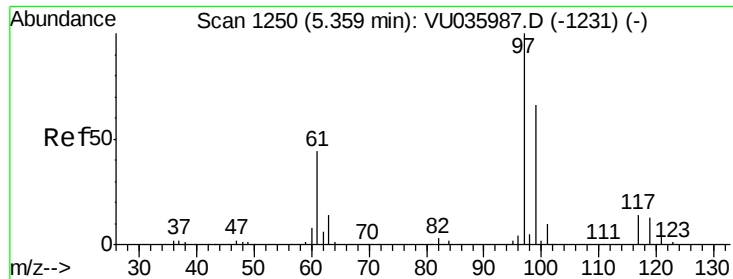
Tgt Ion: 83 Resp: 25869
Ion Ratio Lower Upper
83 100
85 60.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.334 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

Tgt Ion: 62 Resp: 8880
Ion Ratio Lower Upper
62 100
98 11.2 7.6 11.4

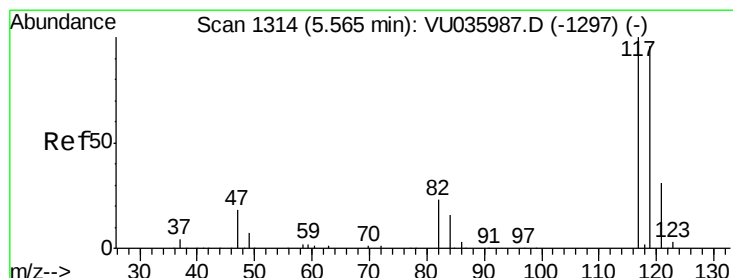
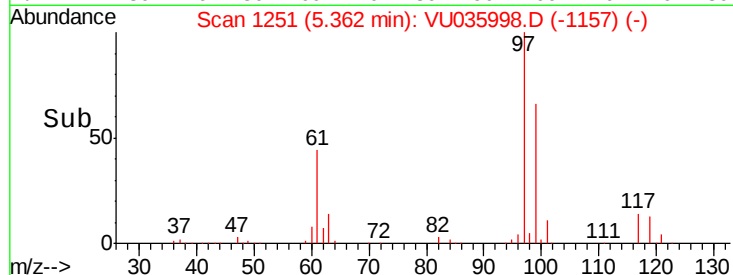
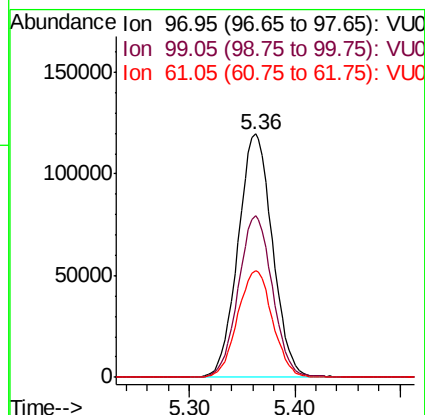
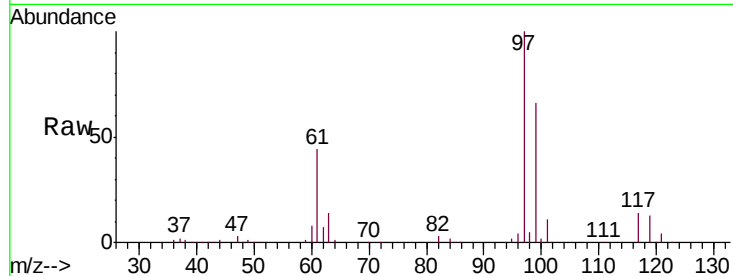




#29
 1,1,1-Trichloroethane
 Concen: 7.455 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

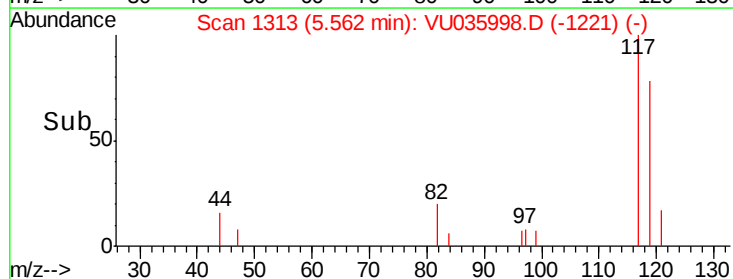
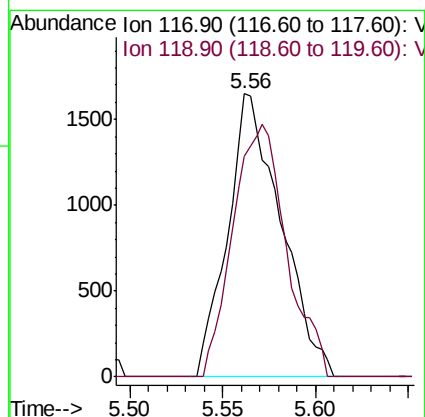
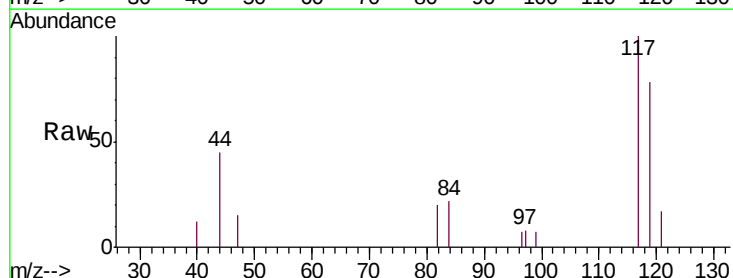
Instrument :
 MSVOA_U
 ClientSampleId :
 BFE33

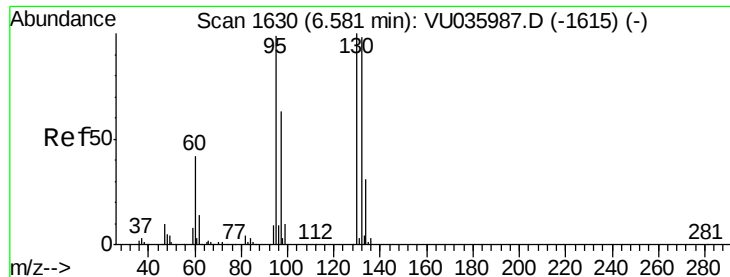
Tgt Ion: 97 Resp: 271929
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.8 77.8
 61 44.5 37.6 56.4



#31
 Carbon tetrachloride
 Concen: 0.102 ug/L
 RT: 5.56 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Tgt Ion: 117 Resp: 3300
 Ion Ratio Lower Upper
 117 100
 119 89.7 76.9 115.3





#34

Trichloroethene

Concen: 144.929 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

Instrument :

MSVOA_U

ClientSampled :

BFE33

Tgt Ion: 95 Resp: 3475839

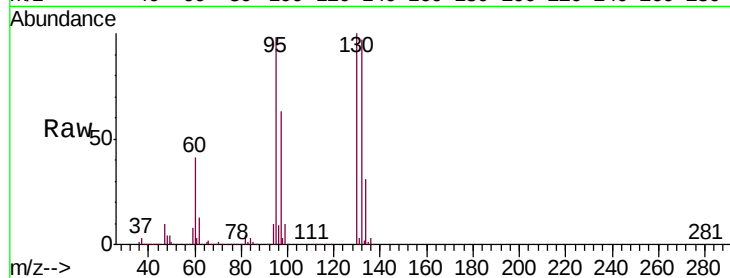
Ion Ratio Lower Upper

95 100

97 64.1 46.3 85.9

132 99.2 65.7 122.1

130 102.0 69.2 128.6

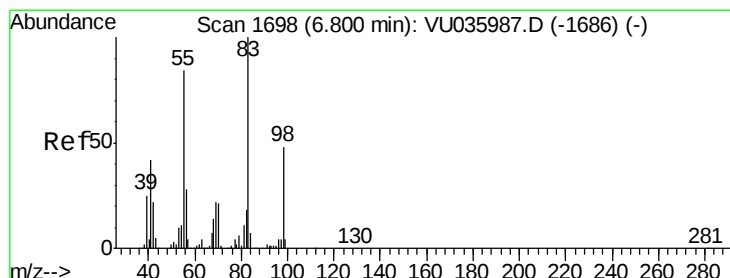
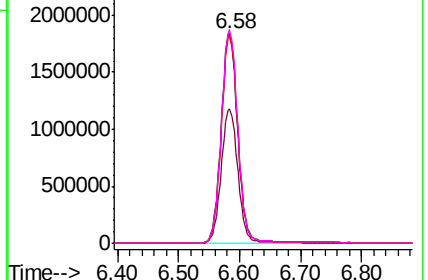
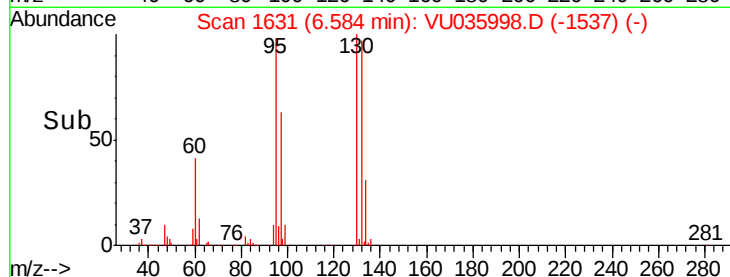


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.823 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

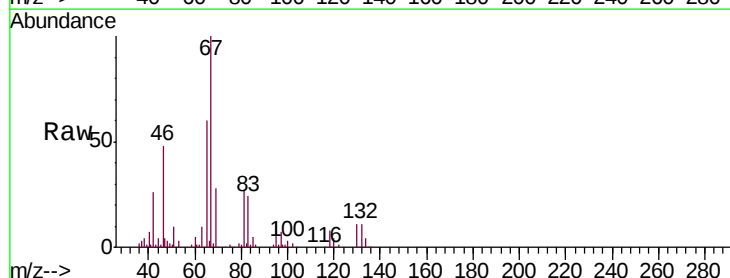
Tgt Ion: 83 Resp: 29585

Ion Ratio Lower Upper

83 100

55 0.3 67.4 101.0#

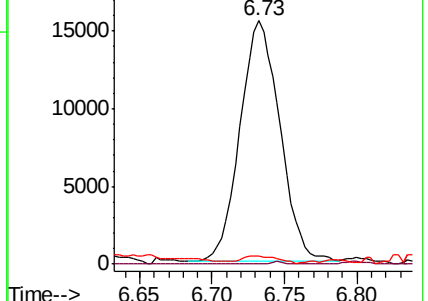
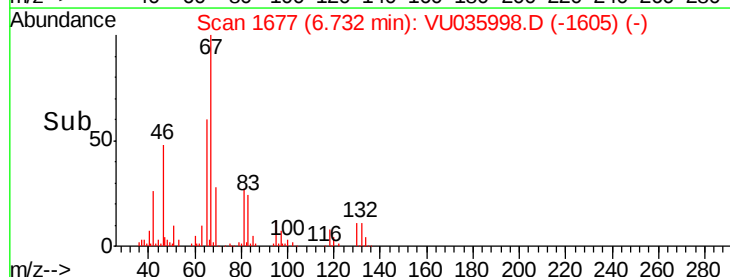
98 0.0 34.6 52.0#

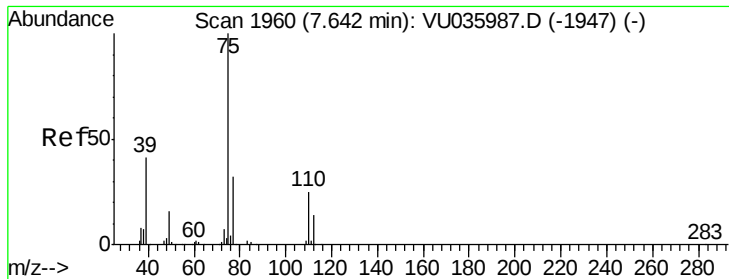


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

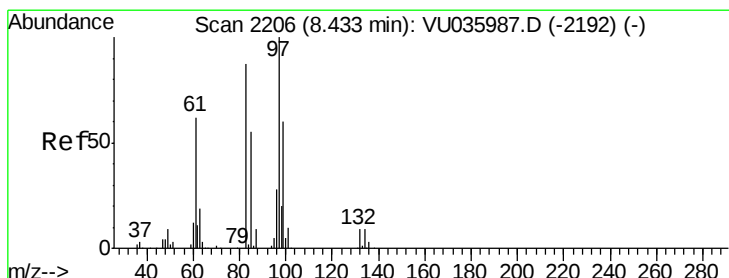
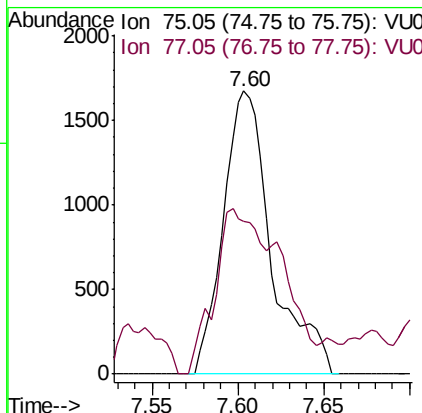
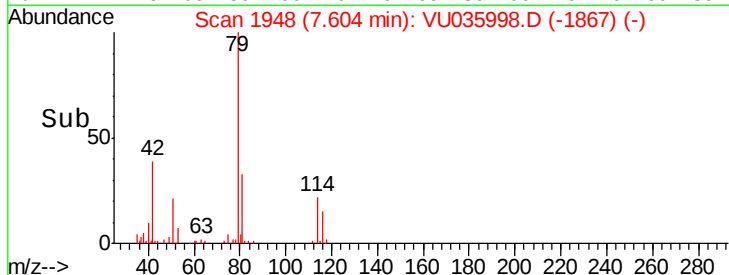
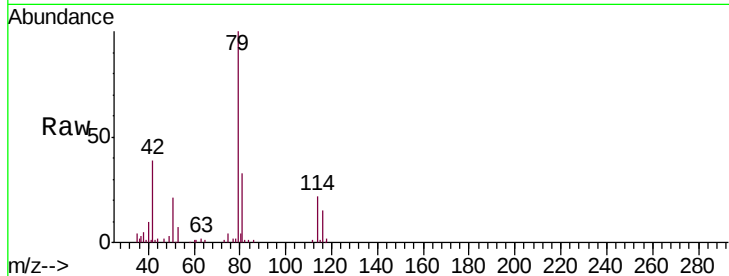




#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

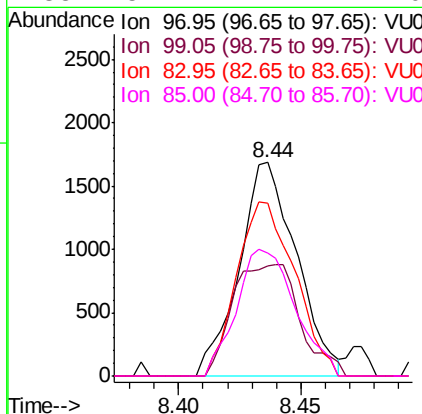
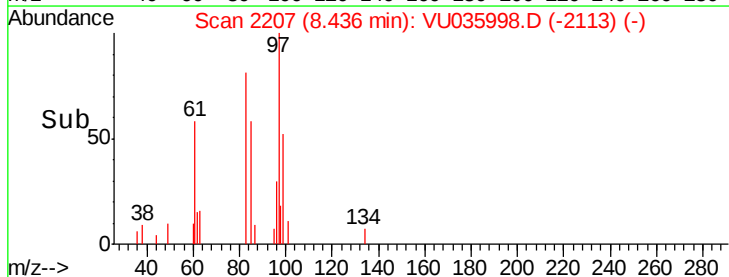
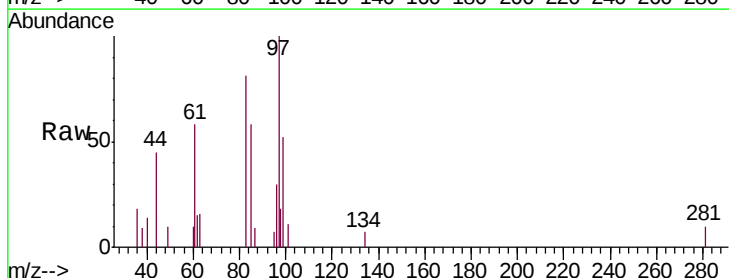
Instrument :
 MSVOA_U
 ClientSampleId :
 BFE33

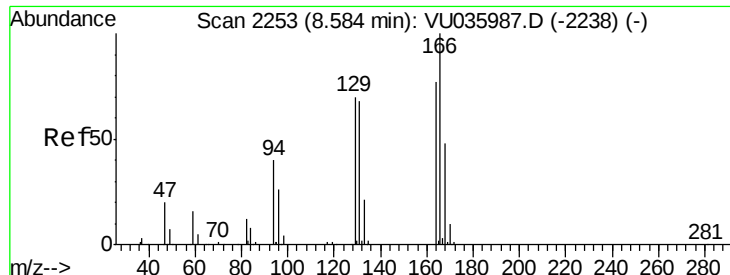
Tgt Ion: 75 Resp: 3275
 Ion Ratio Lower Upper
 75 100
 77 53.8 21.9 40.7#



#45
 1,1,2-Trichloroethane
 Concen: 0.157 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035998.D
 Acq: 05 Dec 2019 16:46

Tgt Ion: 97 Resp: 2741
 Ion Ratio Lower Upper
 97 100
 99 51.8 45.0 83.6
 83 80.8 62.1 115.3
 85 57.7 41.4 77.0

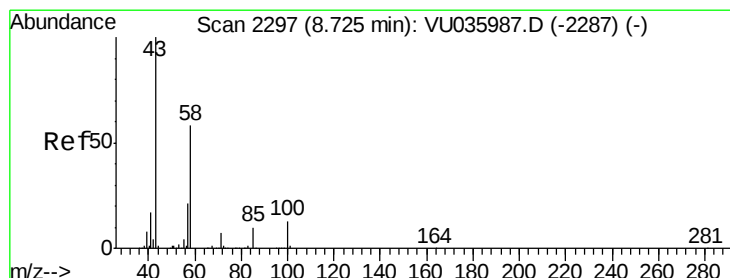
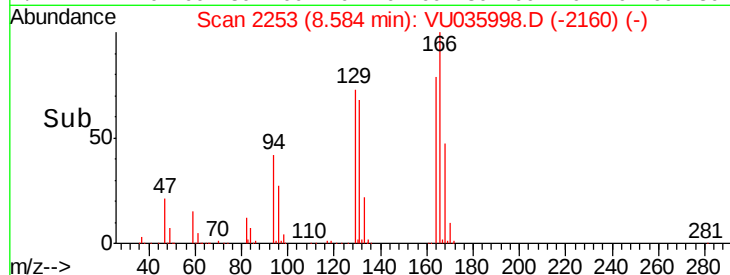
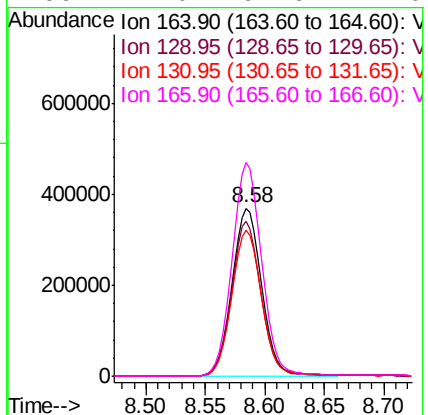
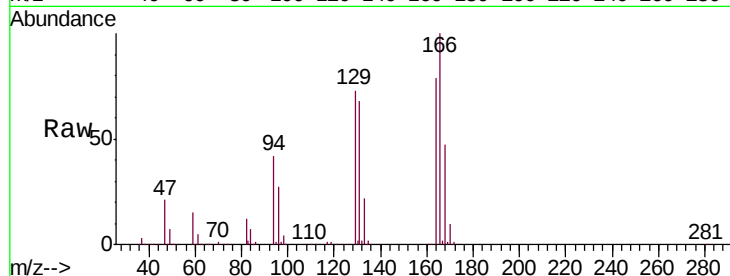




#47
Tetrachloroethene
Concen: 32.833 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

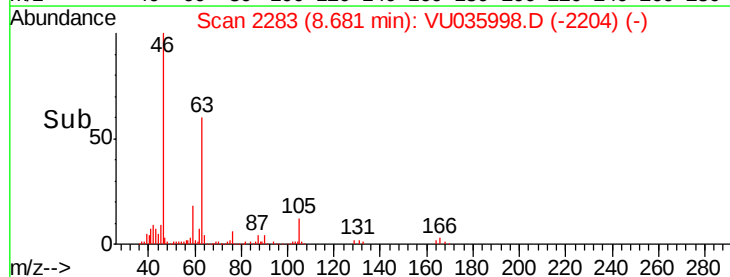
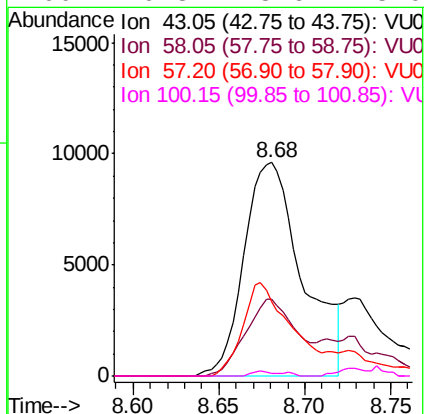
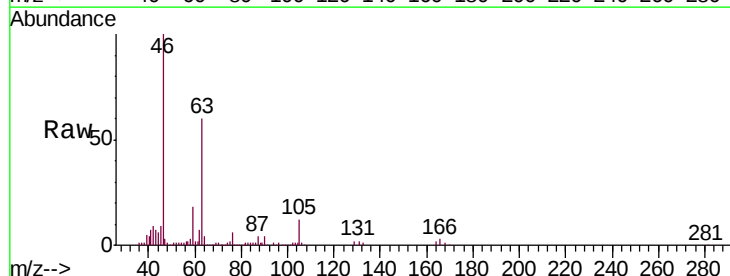
Instrument :
MSVOA_U
ClientSampleId :
BFE33

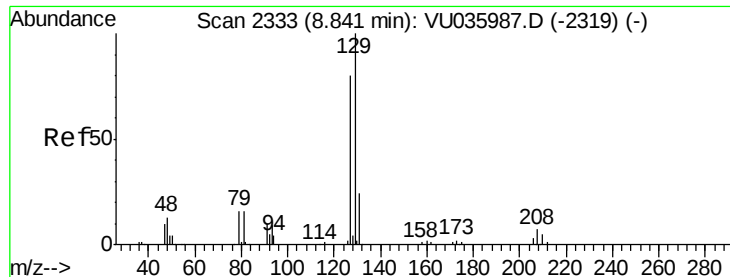
Tgt Ion	Ratio	Lower	Upper
164	100		
129	92.3	67.9	126.1
131	86.9	64.1	119.1
166	127.0	92.6	172.0



#48
2-Hexanone
Concen: 2.038 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.04 min
Lab File: VU035998.D
Acq: 05 Dec 2019 16:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	45.4	68.2#
57	36.6	14.9	22.3#
100	0.8	8.6	13.0#





#49

Dibromochloromethane

Concen: 26.818 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035998.D

Acq: 05 Dec 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

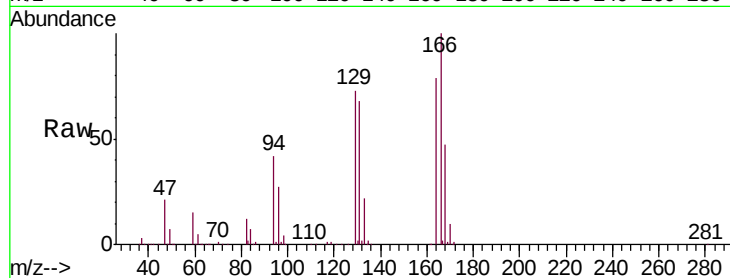
BFE33

Tgt Ion:129 Resp: 571716

Ion Ratio Lower Upper

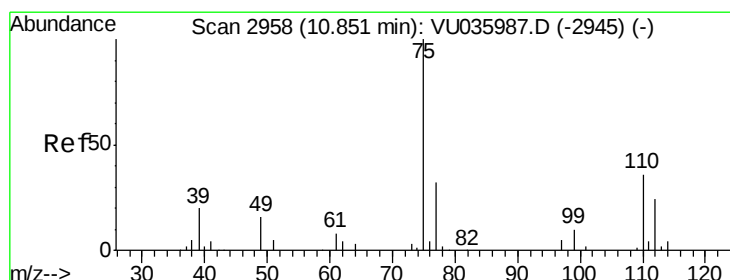
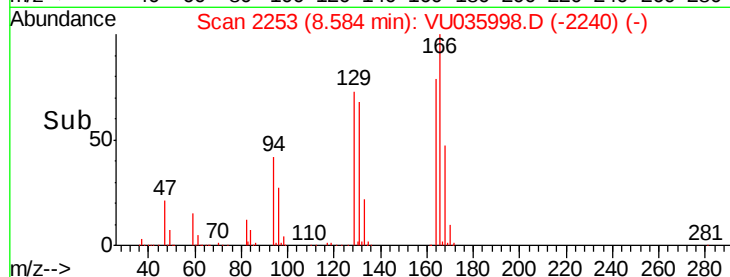
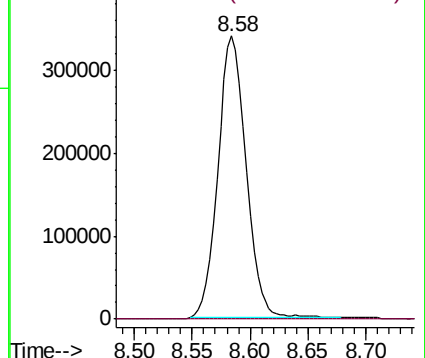
129 100

127 0.0 52.8 98.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.155 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035998.D

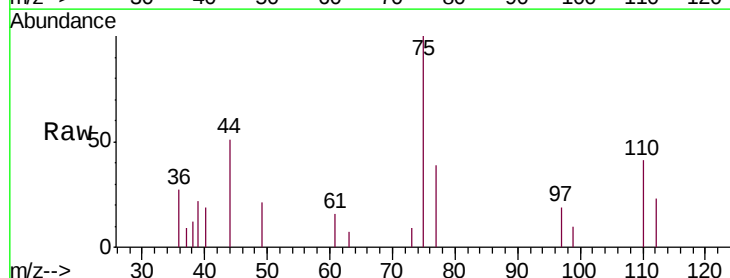
Acq: 05 Dec 2019 16:46

Tgt Ion: 75 Resp: 2595

Ion Ratio Lower Upper

75 100

77 36.1 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

