

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120319\
 Data File : VU035958.D
 Acq On : 03 Dec 2019 19:33
 Operator : JC/SP
 Sample : K6105-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE27

Quant Time: Dec 04 03:40:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 04 03:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	329990	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	352656	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	109783	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	164493	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.93	69	136839	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.60	63	308836	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.40%
20) 2-Butanone-d5	4.69	46	362392	54.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.80%
24) Chloroform-d	5.11	84	247695	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.75	65	132209	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.77	84	471039	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.73	67	153532	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.93	98	391790	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	8.21	79	59896	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.68	63	281814	52.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.92%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	134385	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	114132	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	5637	0.122	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	24047	0.948	ug/L	95
12) 1,1-Dichloroethene	2.61	96	235026	9.938	ug/L	83
13) Acetone	2.67	43	7673	1.274	ug/L	99
17) Methyl tert-butyl Ether	3.42	73	66232	1.195	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	5746	0.229	ug/L	90
19) 1,1-Dichloroethane	3.92	63	44042	0.900	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	955140	36.102	ug/L	96
25) Chloroform	5.14	83	303948	6.153	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	56524	1.325	ug/L	99
31) Carbon tetrachloride	5.57	117	160818	4.253	ug/L	99
34) Trichloroethene	6.58	95	6351236	226.468	ug/L	99
35) Methylcyclohexane	6.74	83	32893	0.782	ug/L #	16
47) Tetrachloroethene	8.58	164	1099605	48.241	ug/L	95
48) 2-Hexanone	8.67	43	31676	2.430	ug/L #	60
49) Dibromochloromethane	8.58	129	997708	40.022	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	13317	0.682	ug/L	91

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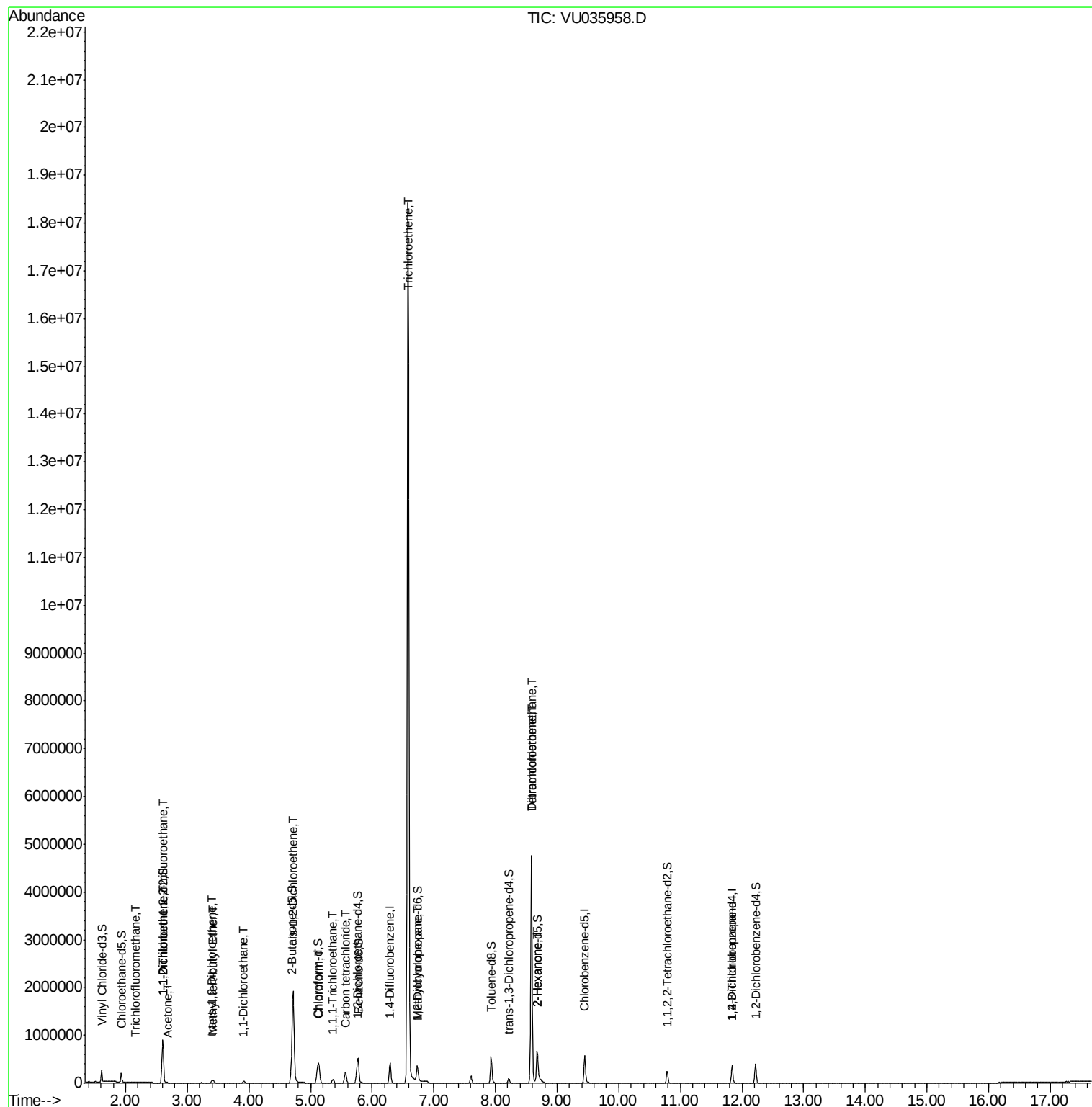
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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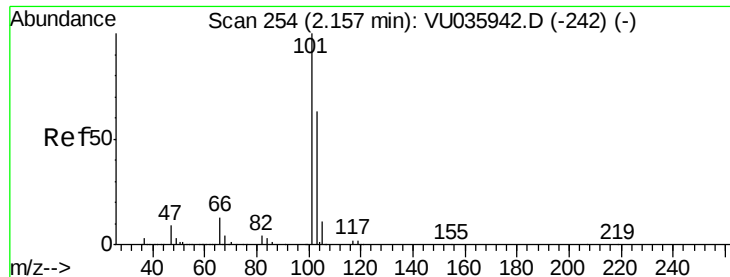
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 04 03:35:54 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.122 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU035958.D

Acq: 03 Dec 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

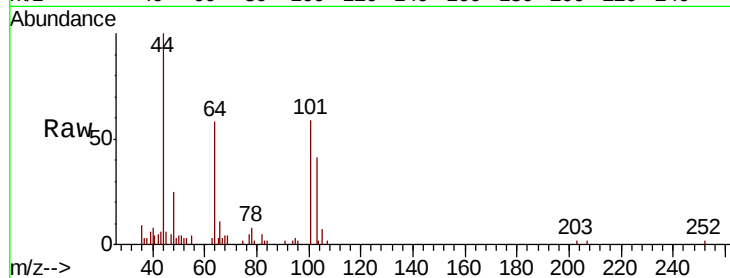
BFE27

Tot Ion:101 Resp: 5637

Ion Ratio Lower Upper

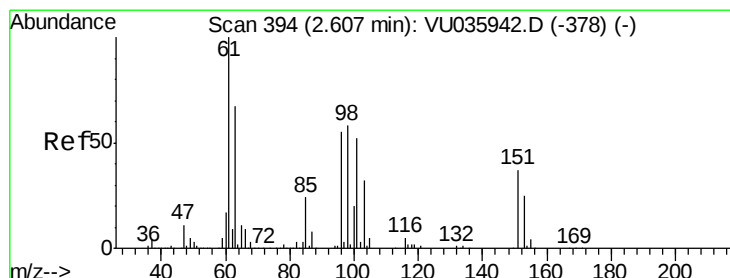
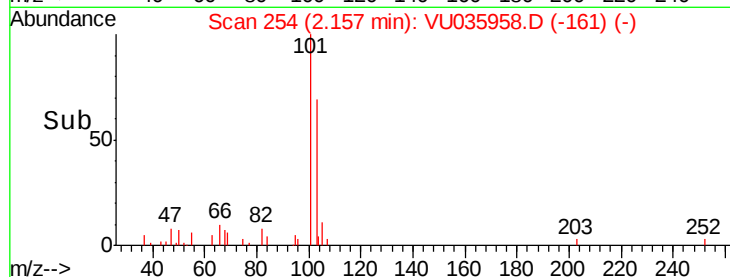
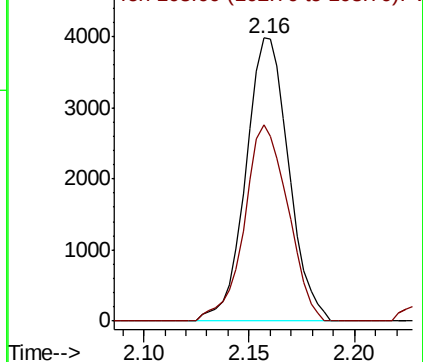
101 100

103 70.4 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.948 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035958.D

Acq: 03 Dec 2019 19:33

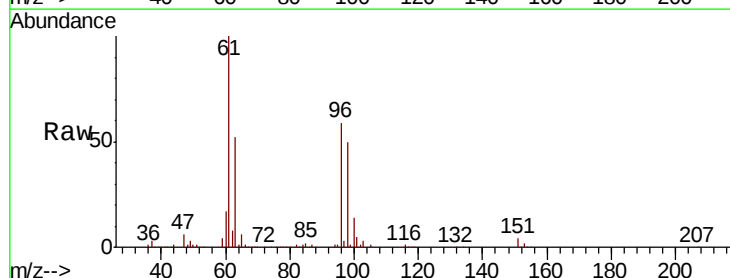
Tgt Ion:101 Resp: 24047

Ion Ratio Lower Upper

101 100

85 39.6 35.5 53.3

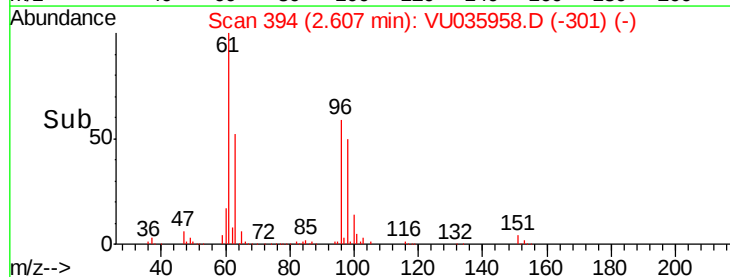
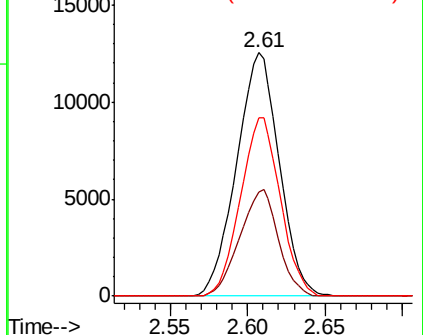
151 68.3 57.5 86.3

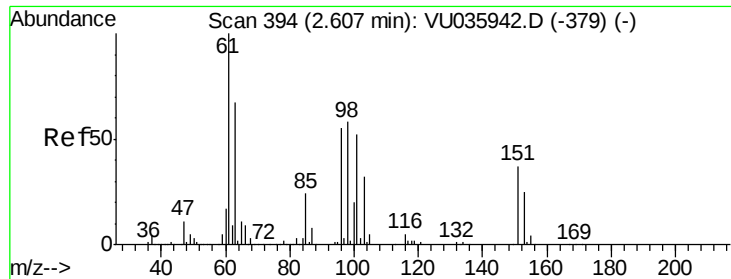


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 9.938 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035958.D

Acq: 03 Dec 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

BFE27

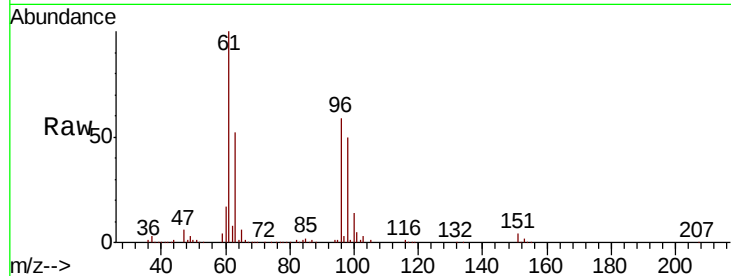
Tot Ion: 96 Resp: 235026

Ion Ratio Lower Upper

96 100

61 169.9 127.1 236.1

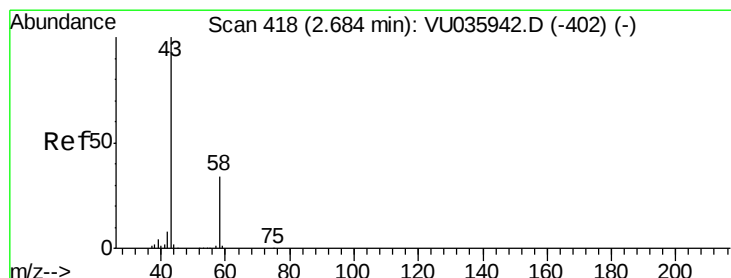
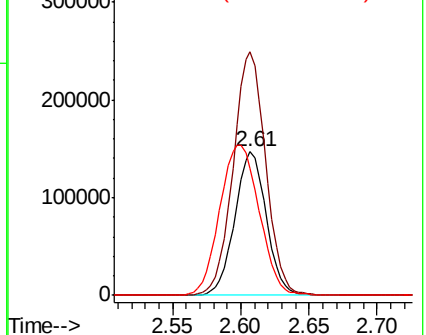
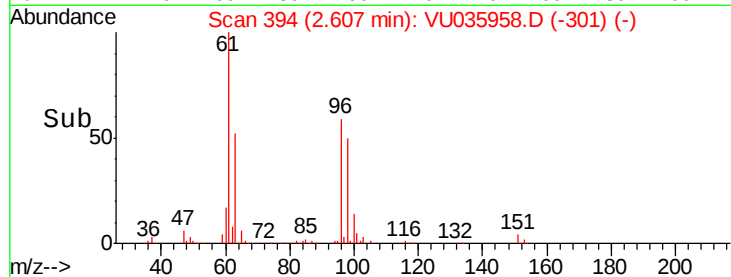
63 88.3 86.0 159.8



Abundance Ion 96.00 (95.70 to 96.70): VU035958.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035958.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035958.D (-301) (-)



#13

Acetone

Concen: 1.274 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU035958.D

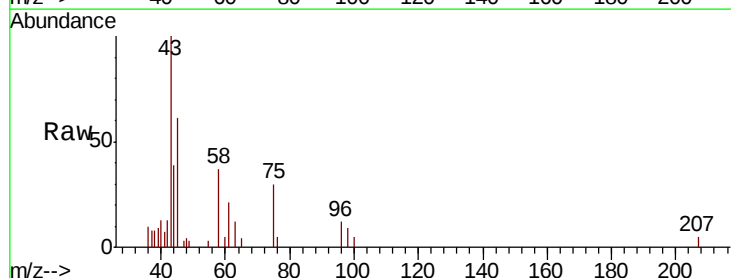
Acq: 03 Dec 2019 19:33

Tgt Ion: 43 Resp: 7673

Ion Ratio Lower Upper

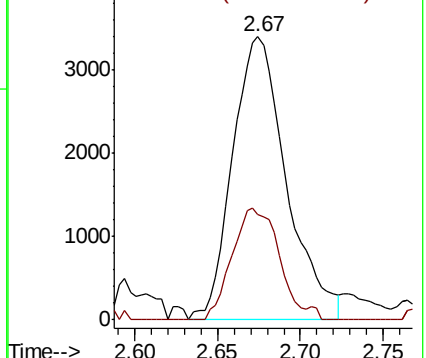
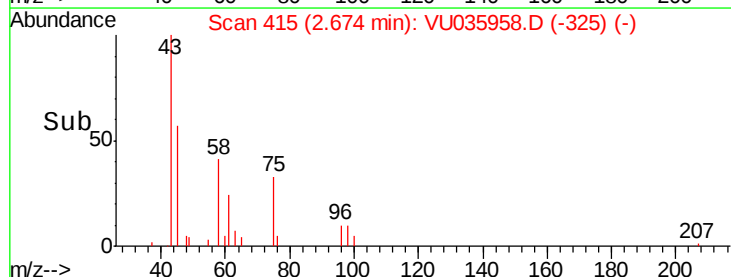
43 100

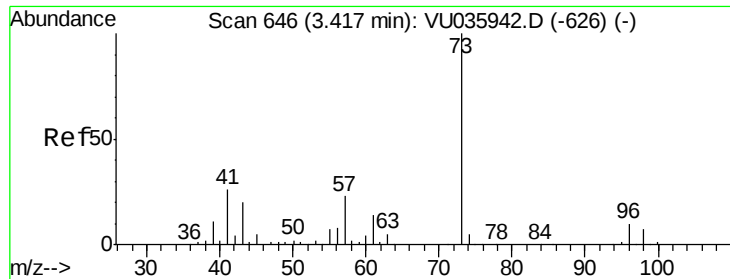
58 34.9 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035958.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU035958.D (-325) (-)

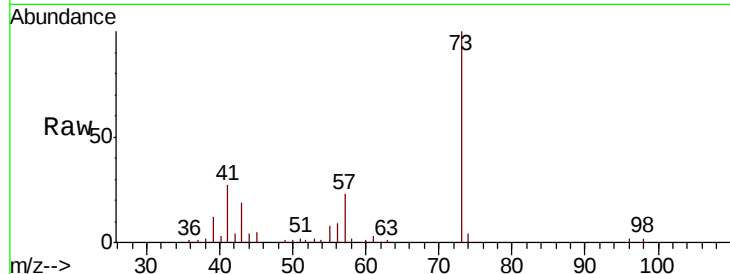




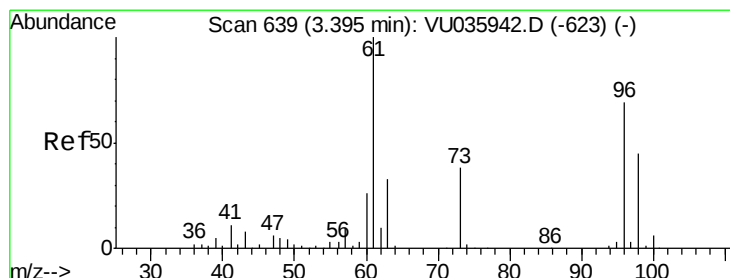
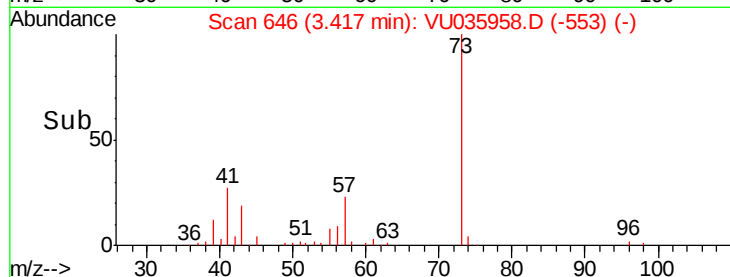
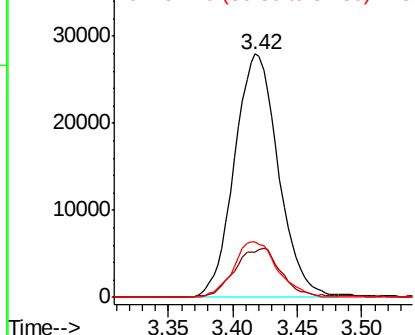
#17
Methvl tert-butvl Ether
Concen: 1.195 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

Instrument :
MSVOA_U
ClientSampled :
BFE27

Tot Ion: 73 Resp: 66232
Ion Ratio Lower Upper
73 100
43 21.3 15.9 23.9
57 23.0 18.8 28.2

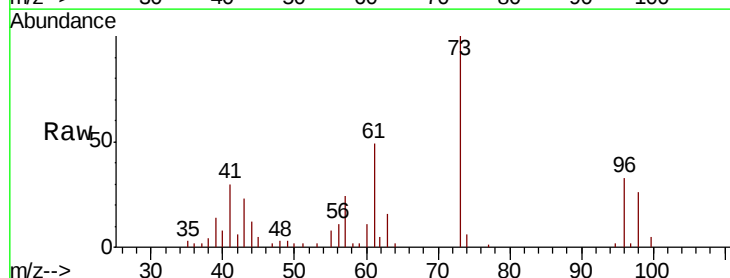


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

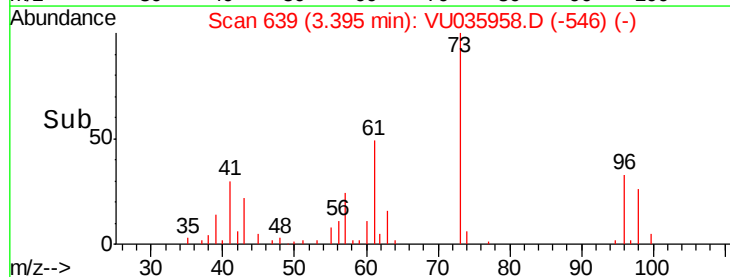
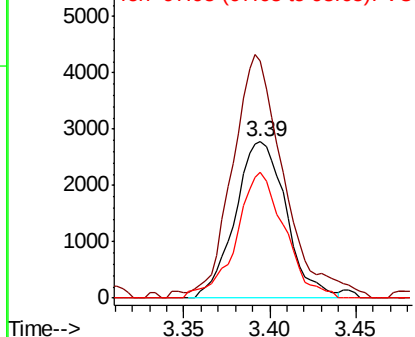


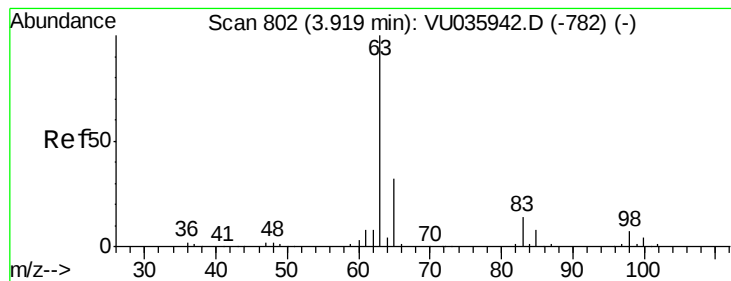
#18
trans-1,2-Dichloroethene
Concen: 0.229 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

Tgt Ion: 96 Resp: 5746
Ion Ratio Lower Upper
96 100
61 151.5 101.2 187.8
98 80.1 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

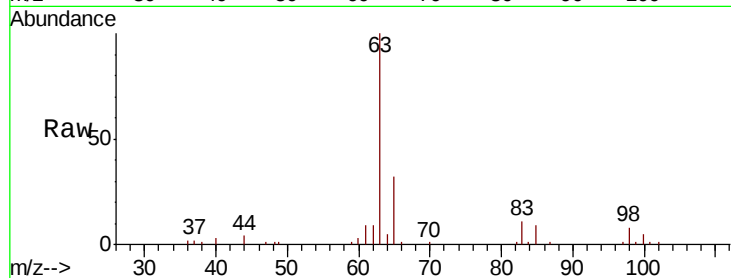




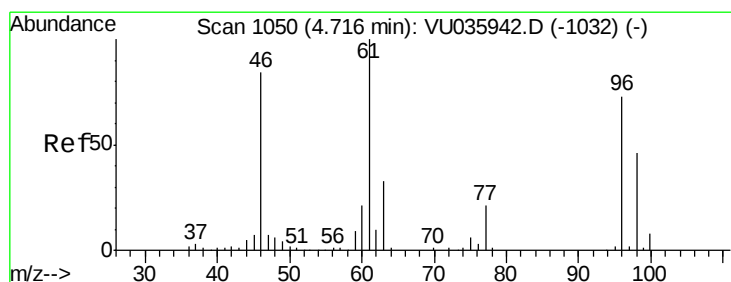
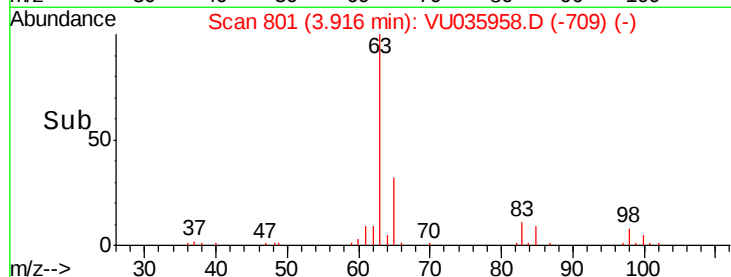
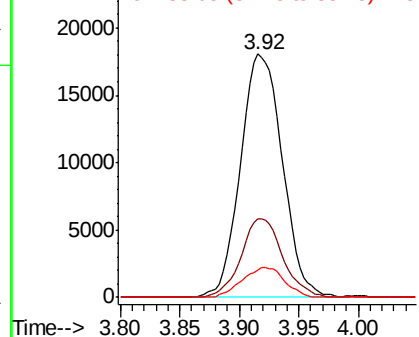
#19
 1,1-Dichloroethane
 Concen: 0.900 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035958.D
 Acq: 03 Dec 2019 19:33

Instrument :
 MSVOA_U
 ClientSampleID :
 BFE27

Tot Ion: 63 Resp: 44042
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.4 41.6
 83 11.4 9.8 18.2

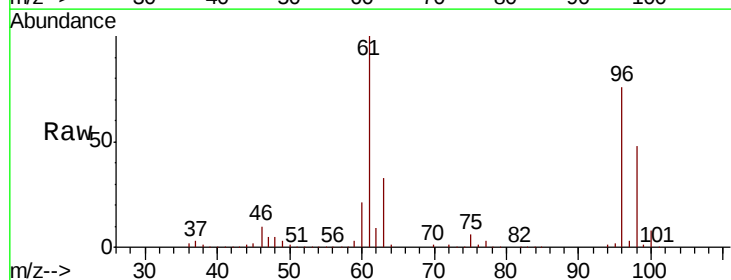


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

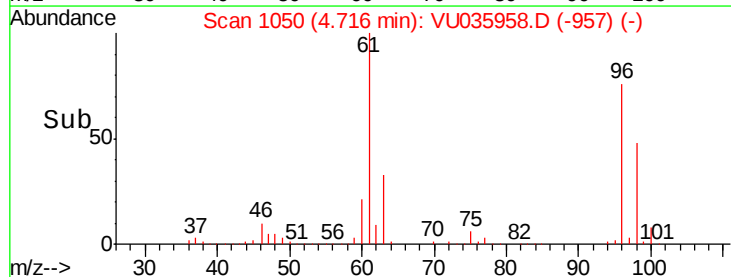
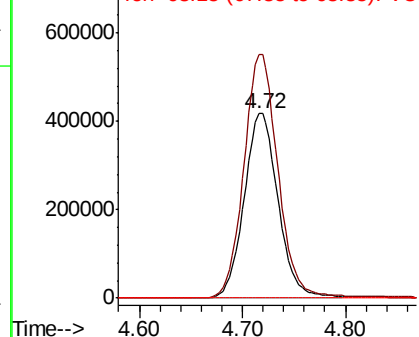


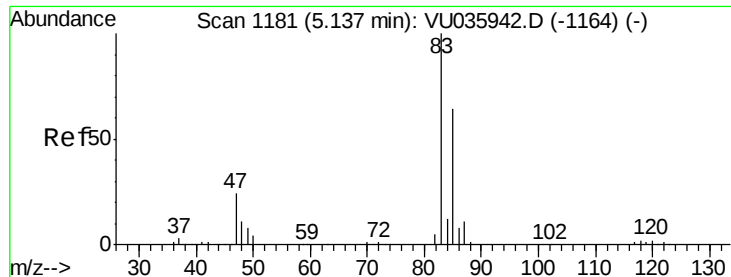
#22
 cis-1,2-Dichloroethene
 Concen: 36.102 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035958.D
 Acq: 03 Dec 2019 19:33

Tgt Ion: 96 Resp: 955140
 Ion Ratio Lower Upper
 96 100
 61 131.9 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

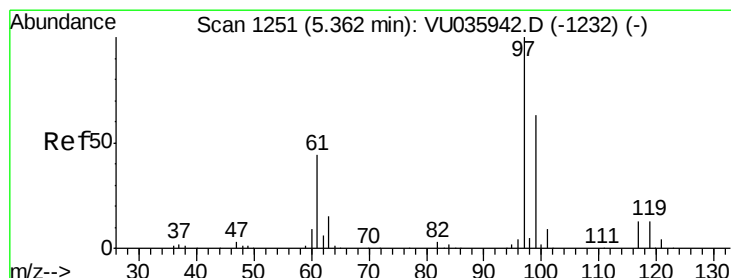
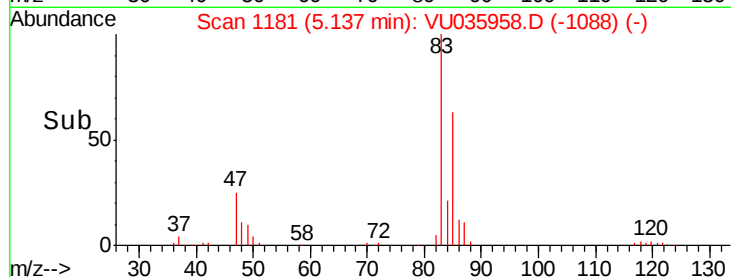
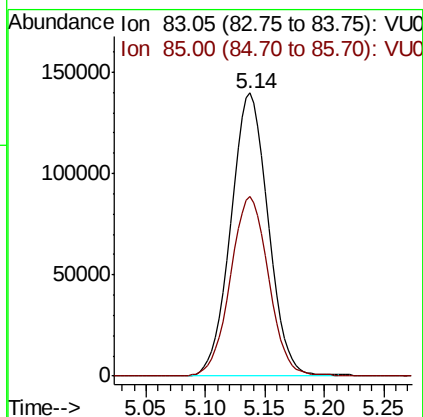
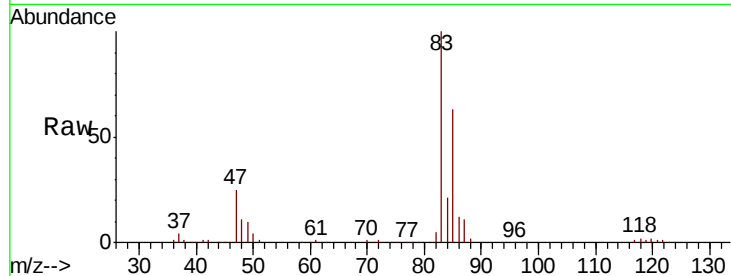




#25
Chloroform
Concen: 6.153 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

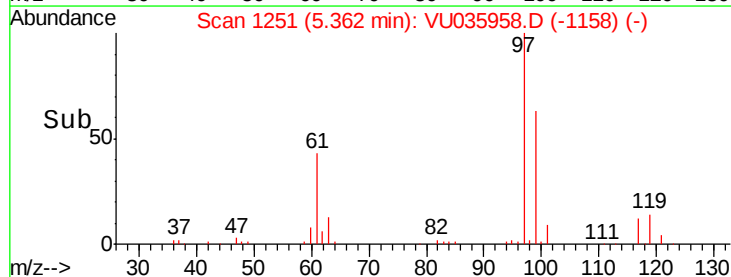
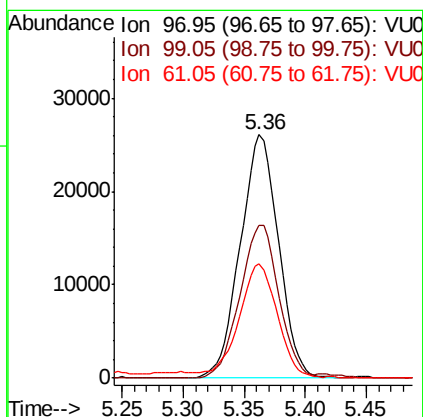
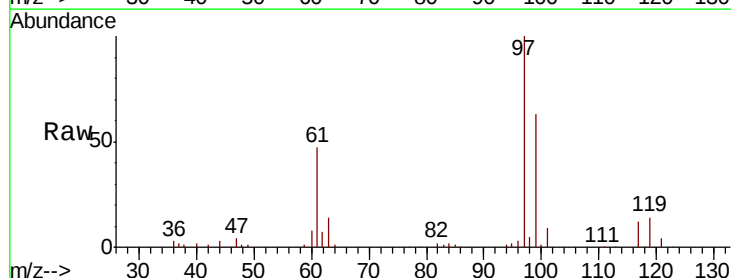
Instrument :
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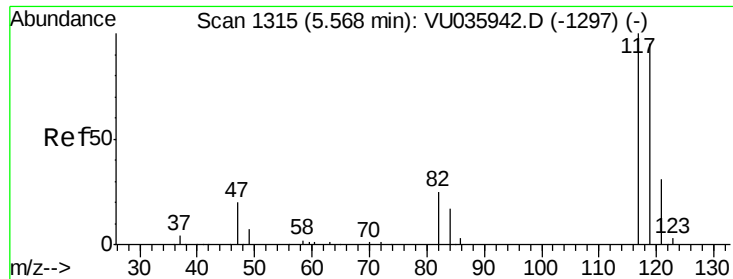
Tot Ion: 83 Resp: 303948
Ion Ratio Lower Upper
83 100
85 63.4 45.4 84.2



#29
1,1,1-Trichloroethane
Concen: 1.325 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

Tgt Ion: 97 Resp: 56524
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 46.3 37.6 56.4





#31

Carbon tetrachloride

Concen: 4.253 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035958.D

Acq: 03 Dec 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

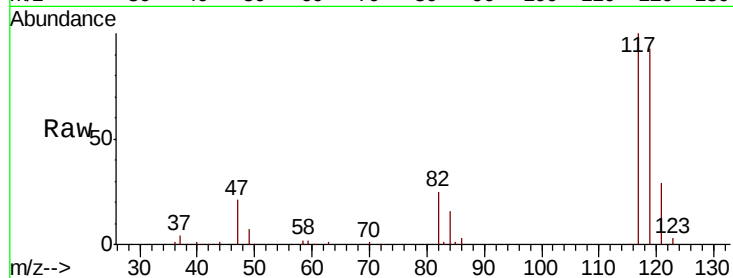
BFE27

Tot Ion:117 Resp: 160818

Ion Ratio Lower Upper

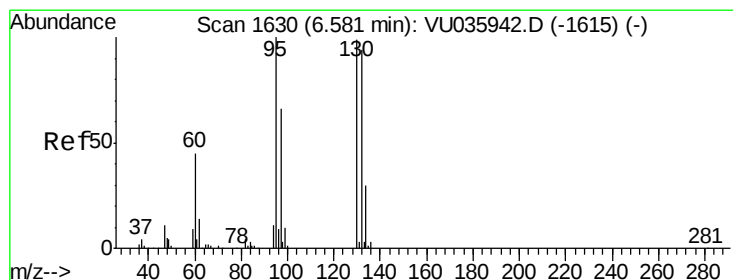
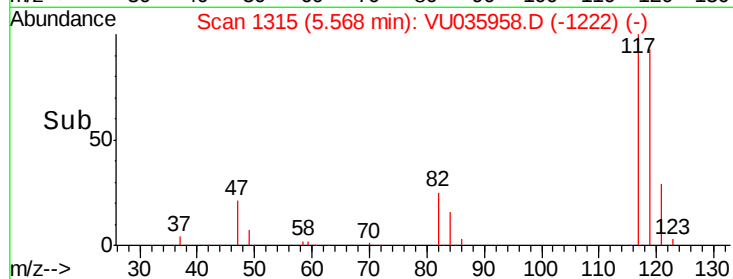
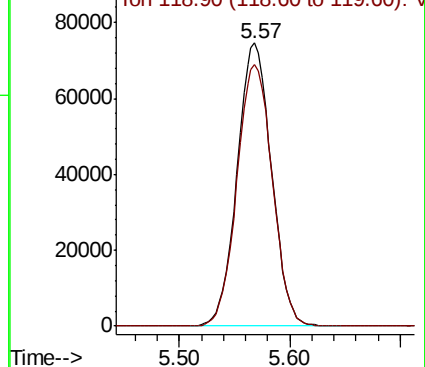
117 100

119 95.3 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 226.468 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035958.D

Acq: 03 Dec 2019 19:33

Tgt Ion: 95 Resp: 6351236

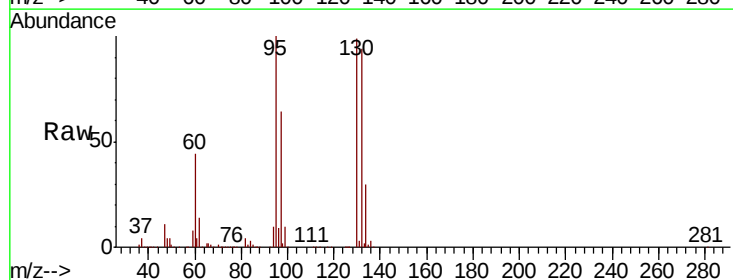
Ion Ratio Lower Upper

95 100

97 63.6 46.3 85.9

132 93.9 65.7 122.1

130 98.6 69.2 128.6

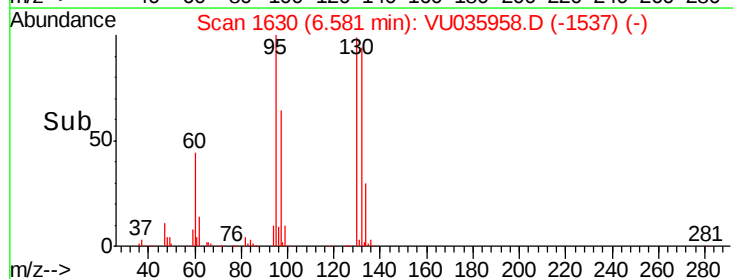
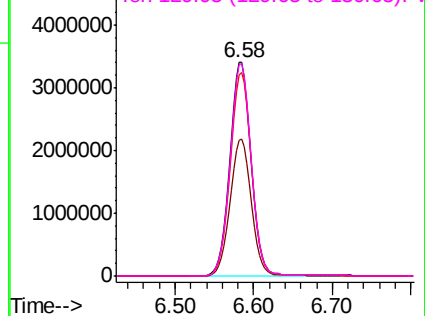


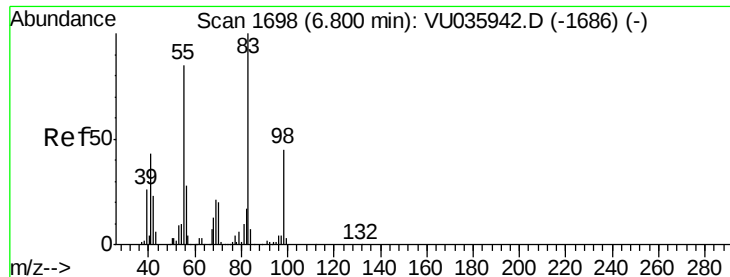
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

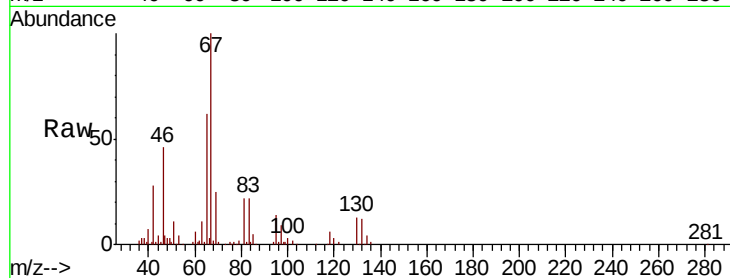




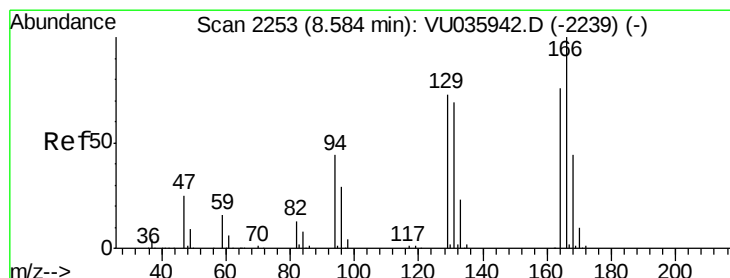
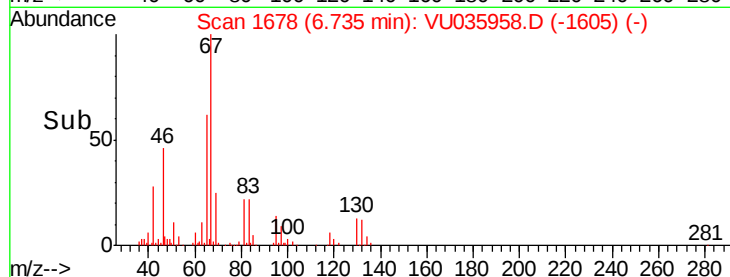
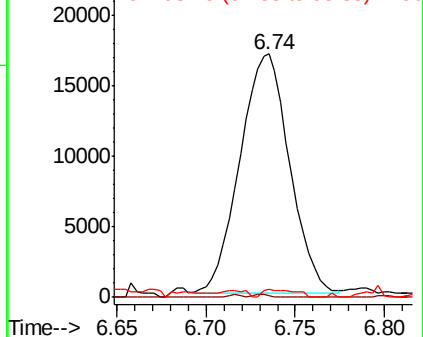
#35
Methvlcvclohexane
Concen: 0.782 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

Instrument :
MSVOA_U
ClientSampleId :
BFE27

Tot Ion: 83 Resp: 32893
Ion Ratio Lower Upper
83 100
55 0.4 67.4 101.0#
98 0.0 34.6 52.0#

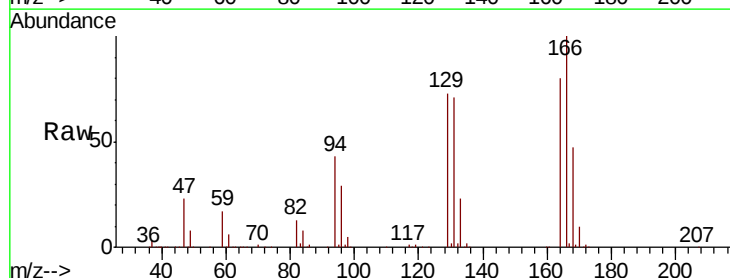


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

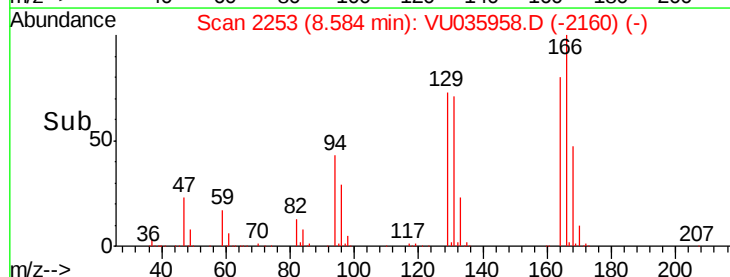
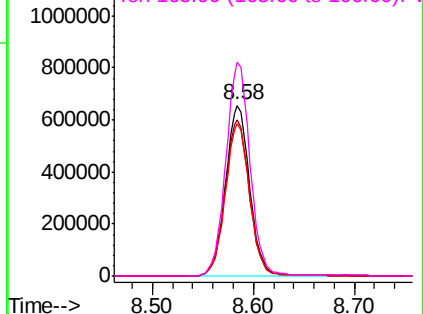


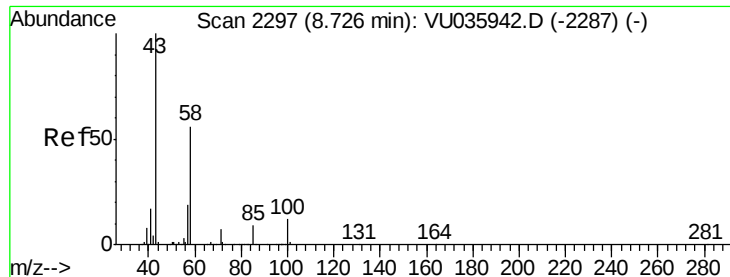
#47
Tetrachloroethene
Concen: 48.241 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

Tgt Ion:164 Resp: 1099605
Ion Ratio Lower Upper
164 100
129 91.6 67.9 126.1
131 89.5 64.1 119.1
166 125.2 92.6 172.0



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

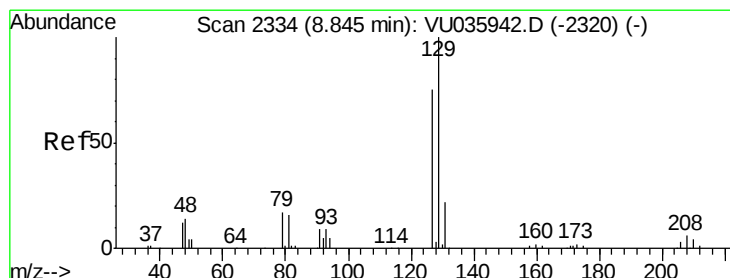
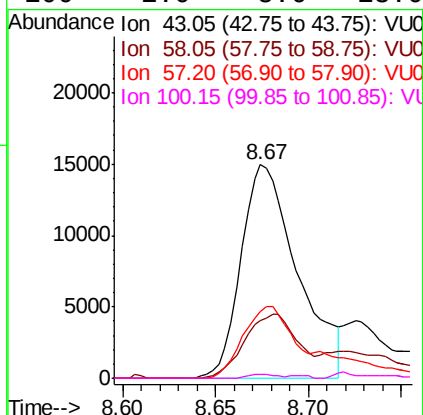
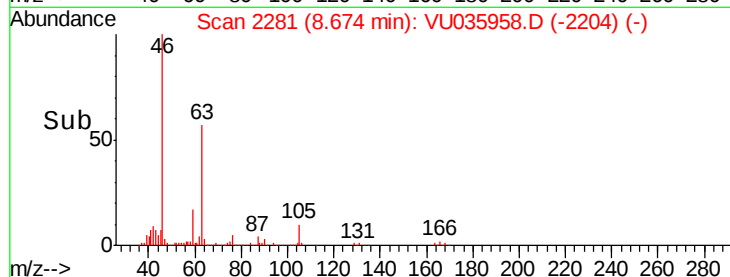
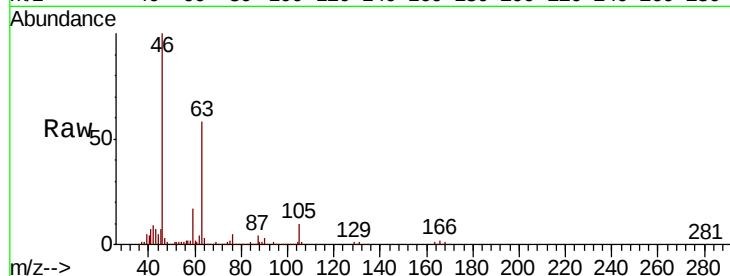




#48
2-Hexanone
Concen: 2.430 ug/L
RT: 8.67 min Scan# 2281
Delta R.T. -0.05 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

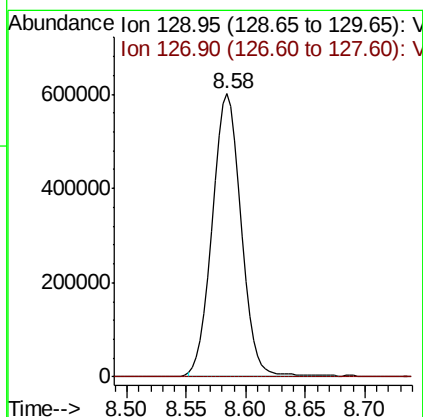
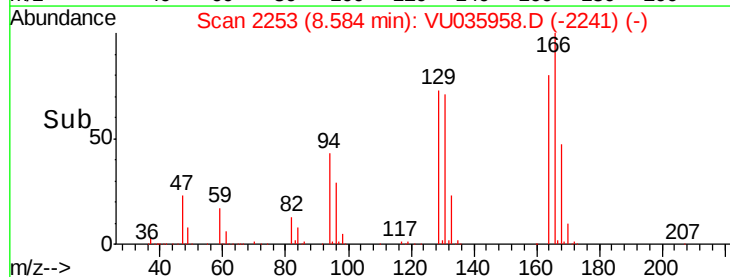
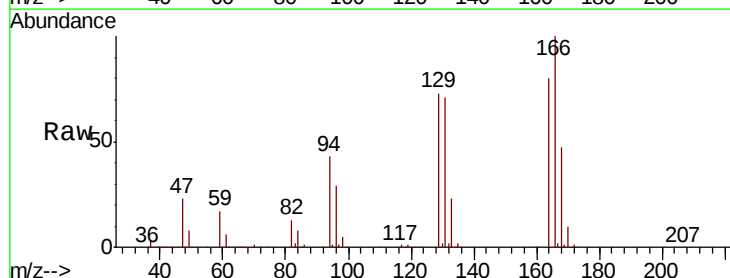
Instrument :
MSVOA_U
ClientSampleId :
BFE27

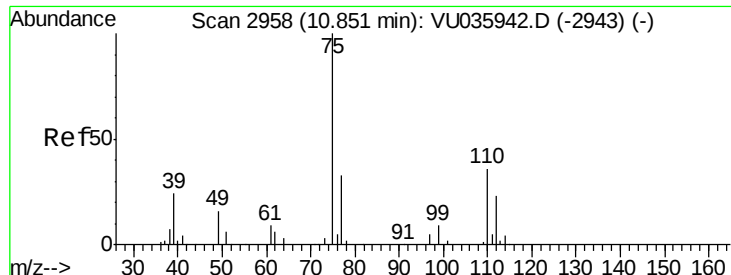
Tot Ion: 43 Resp: 31676
Ion Ratio Lower Upper
43 100
58 28.1 45.4 68.2#
57 41.1 14.9 22.3#
100 1.0 8.6 13.0#



#49
Dibromochloromethane
Concen: 40.022 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035958.D
Acq: 03 Dec 2019 19:33

Tgt Ion: 129 Resp: 997708
Ion Ratio Lower Upper
129 100
127 0.0 52.8 98.0#





#59

1,2,3-Trichloropropane

Concen: 0.682 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035958.D

Acq: 03 Dec 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

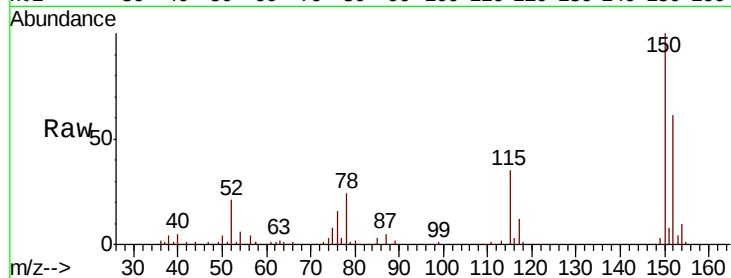
BFE27

Tot Ion: 75 Resp: 13317

Ion Ratio Lower Upper

75 100

77 38.1 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

