

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041622.D
 Acq On : 14 Dec 2020 19:49
 Operator : SY/MD
 Sample : L5027-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:50:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119454	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111233	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47830	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29194	3.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.60%
7) Chloroethane-d5	1.92	69	30125	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.58	63	51741	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.66	46	146816	54.73	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.46%
24) Chloroform-d	5.08	84	75966	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.72	65	44972	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	147448	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	48870	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.91	98	127036	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	19932	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	112818	45.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48617	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	48981	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

				Ovalue	
3) Chloromethane	1.53	50	485	0.049	ug/L # 81
5) Vinyl chloride	1.48	62	1025	0.094	ug/L # 43
8) Chloroethane	1.94	64	537	0.073	ug/L # 44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	450	0.055	ug/L # 22
13) Acetone	2.68	43	3281	1.923	ug/L 93
21) 2-Butanone	4.75	43	3705	1.333	ug/L 89
25) Chloroform	5.11	83	2231	0.141	ug/L 98
27) 1,2-Dichloroethane	5.74	62	840	0.079	ug/L # 73
35) Methylcyclohexane	6.70	83	10564	0.731	ug/L # 19
37) 1,2-Dichloropropane	6.70	63	5235	0.575	ug/L # 88
38) Bromodichloromethane	7.11	83	844	0.075	ug/L # 93
39) cis-1,3-Dichloropropene	7.57	75	1303	0.097	ug/L # 43
44) trans-1,3-Dichloropropene	8.19	75	797	0.066	ug/L # 76
47) Tetrachloroethene	8.56	164	30873	4.934	ug/L 99
48) 2-Hexanone	8.64	43	12219	2.593	ug/L # 65
49) Dibromochloromethane	8.56	129	30782	3.982	ug/L # 10
59) 1,2,3-Trichloropropane	11.81	75	5673	0.830	ug/L 96

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 15 00:46:25 2020
Response via : Initial Calibration

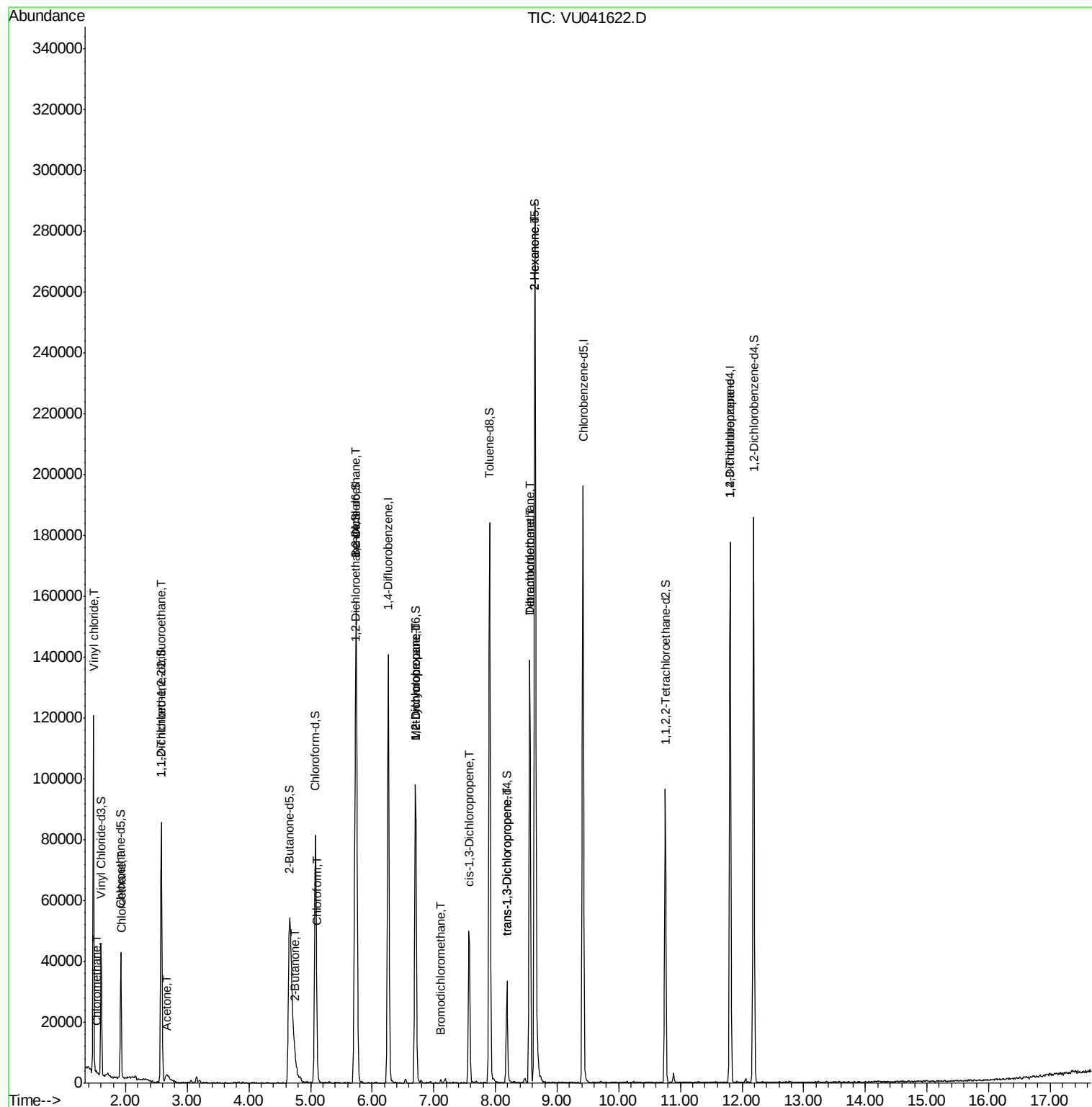
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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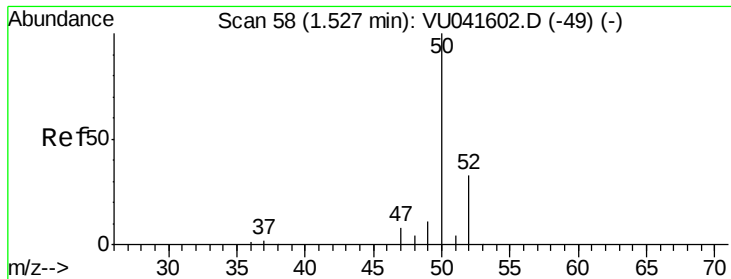
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.049 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041622.D

Acq: 14 Dec 2020 19:49

Instrument :

MSVOA_U

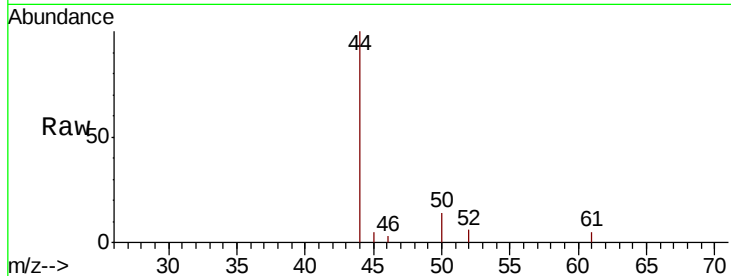
ClientSampleId :

Tot Ion: 50 Resp: 485

Ion Ratio Lower Upper

50 100

52 45.7 24.1 44.8#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

400

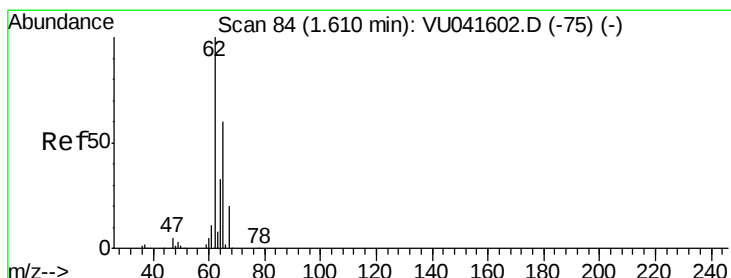
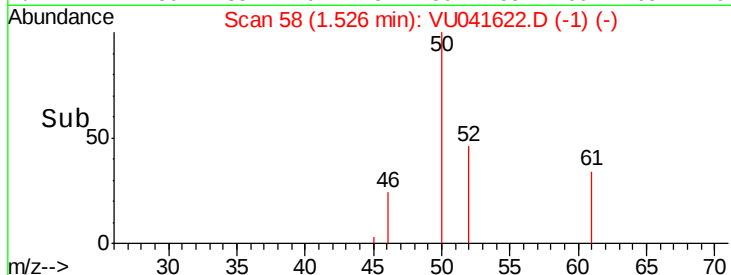
300

200

100

0

Time-->



#5

Vinyl chloride

Concen: 0.094 ug/L

RT: 1.48 min Scan# 43

Delta R.T. -0.13 min

Lab File: VU041622.D

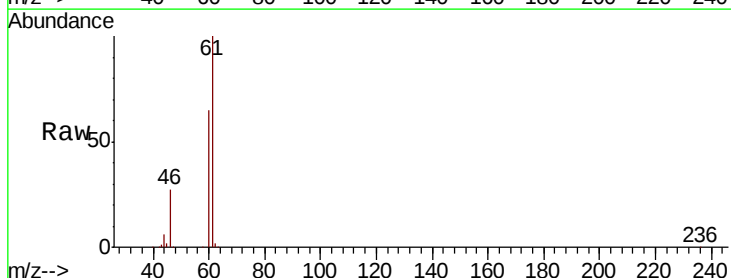
Acq: 14 Dec 2020 19:49

Tgt Ion: 62 Resp: 1025

Ion Ratio Lower Upper

62 100

64 0.0 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

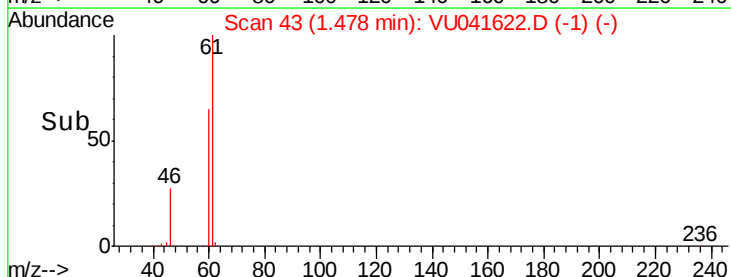
1.48

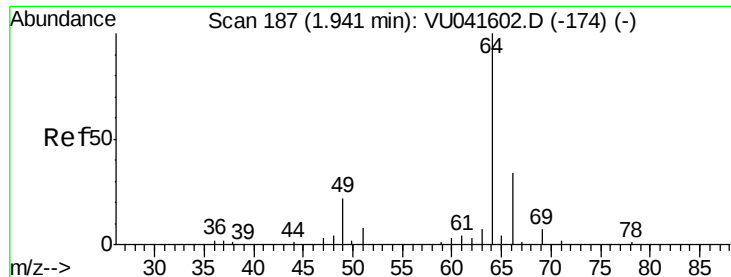
1000

500

0

Time-->

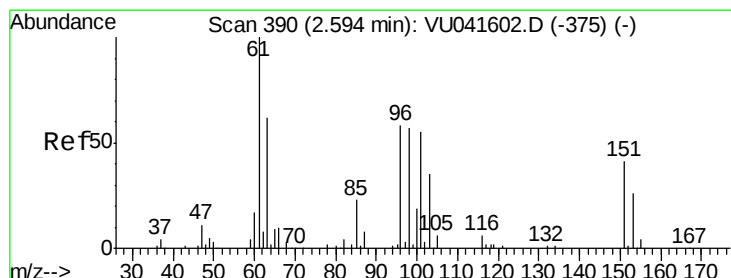
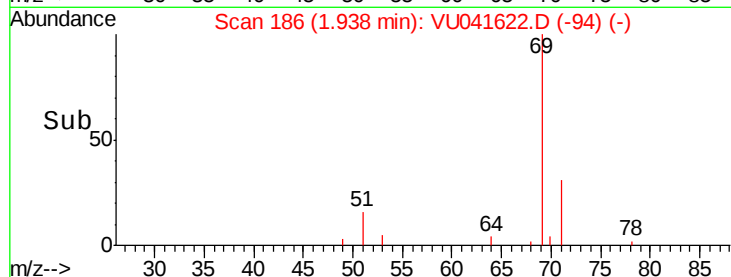
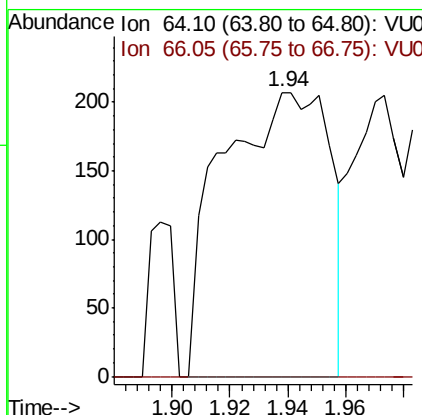
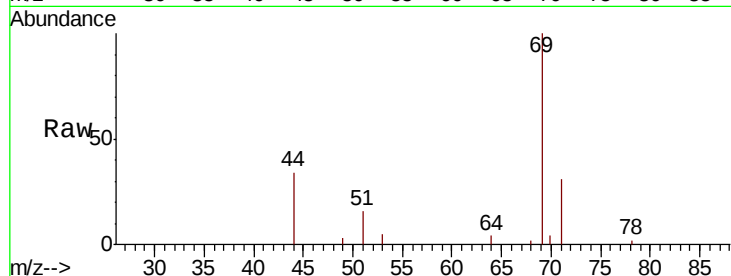




#8
Chloroethane
Concen: 0.073 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

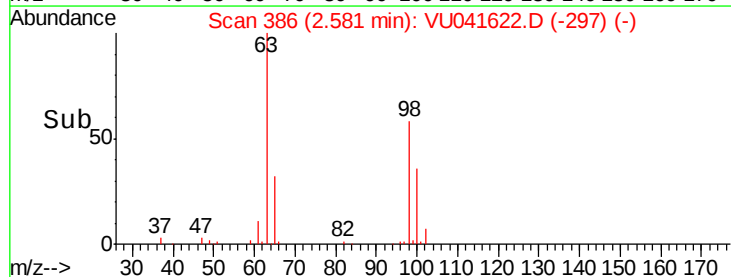
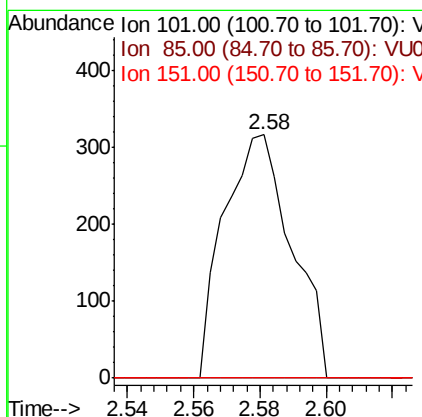
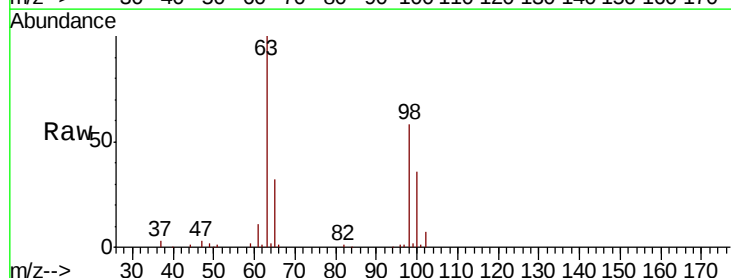
Instrument :
MSVOA_U
ClientSampleId :

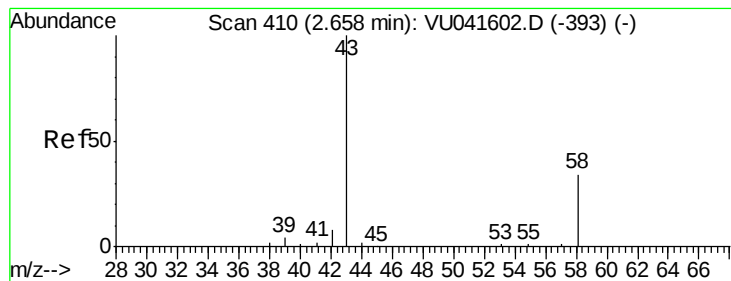
Tot Ion: 64 Resp: 537
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.055 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

Tgt Ion: 101 Resp: 450
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#





#13

Acetone

Concen: 1.923 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU041622.D

Acq: 14 Dec 2020 19:49

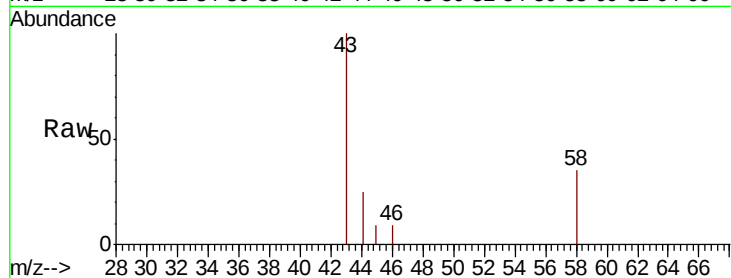
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3281

Ion Ratio Lower Upper

43 100

58 40.9 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041602.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VU041602.D (-393) (-)

2.68

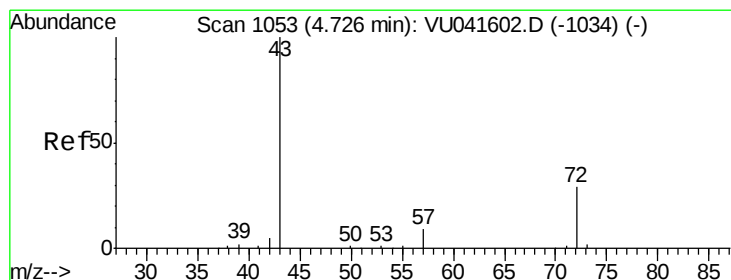
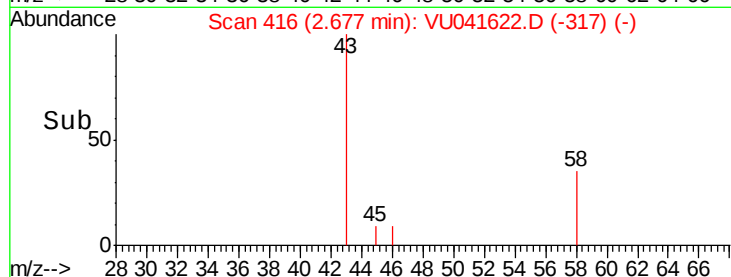
1500

1000

500

0

Time--> 2.60 2.65 2.70



#21

2-Butanone

Concen: 1.333 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.02 min

Lab File: VU041622.D

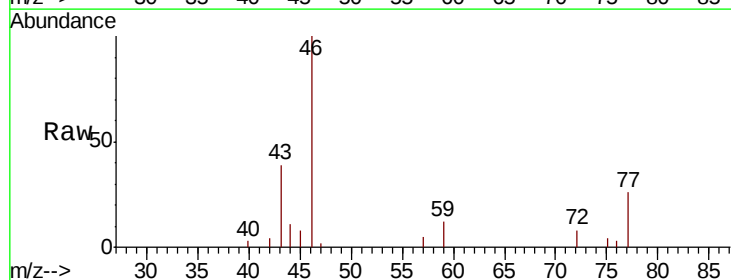
Acq: 14 Dec 2020 19:49

Tgt Ion: 43 Resp: 3705

Ion Ratio Lower Upper

43 100

72 23.4 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041602.D (-1034) (-)

Ion 72.10 (71.80 to 72.80): VU041602.D (-1034) (-)

4.75

2000

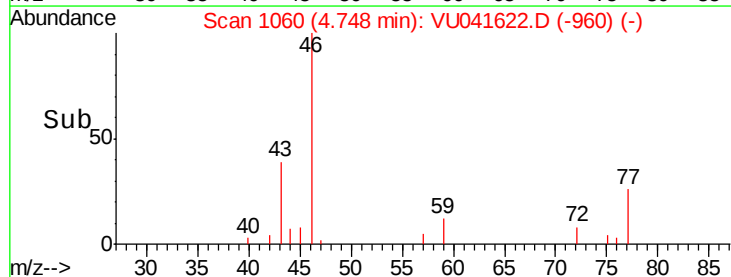
1500

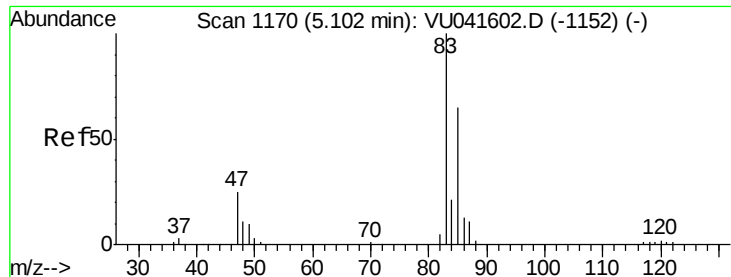
1000

500

0

Time--> 4.70 4.75 4.80

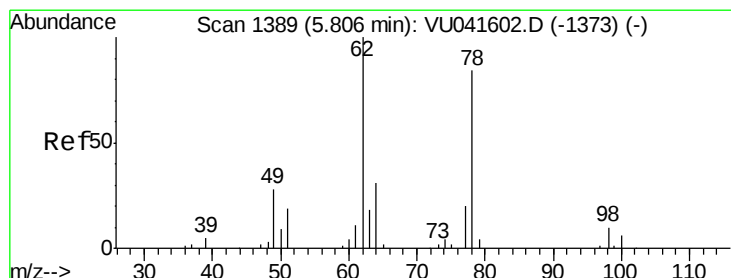
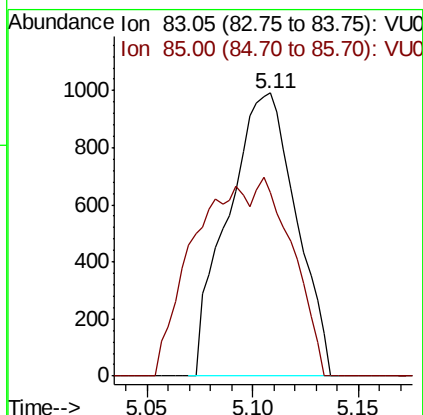
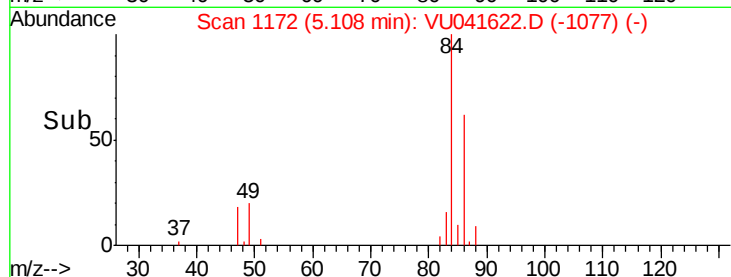
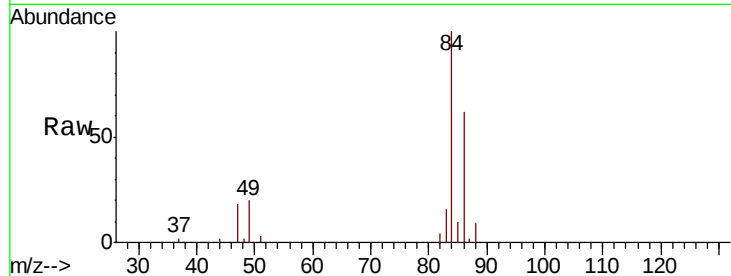




#25
 Chloroform
 Concen: 0.141 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VU041622.D
 Acq: 14 Dec 2020 19:49

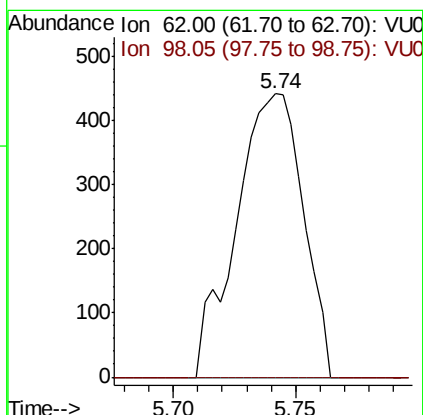
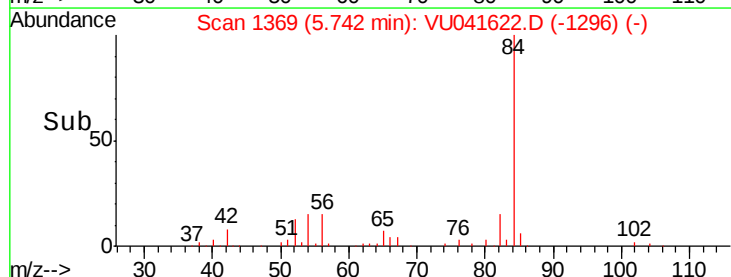
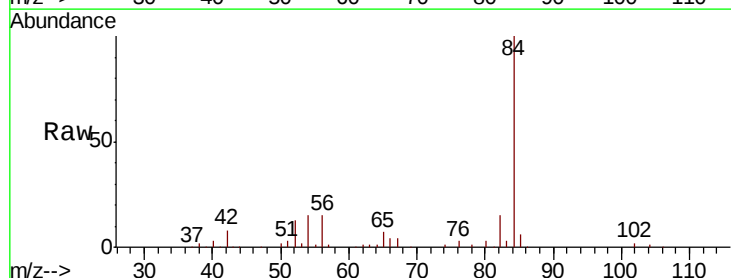
Instrument :
 MSVOA_U
 ClientSampled :

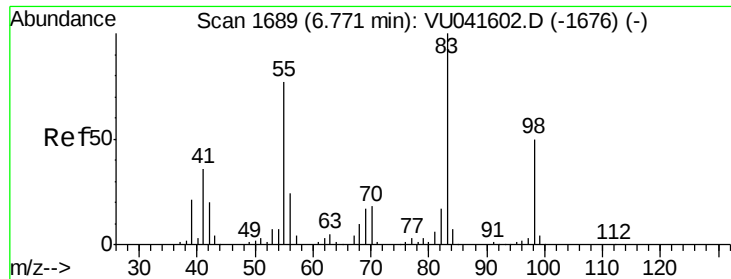
Tot Ion: 83 Resp: 2231
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.2 82.0



#27
 1,2-Dichloroethane
 Concen: 0.079 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041622.D
 Acq: 14 Dec 2020 19:49

Tgt Ion: 62 Resp: 840
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#

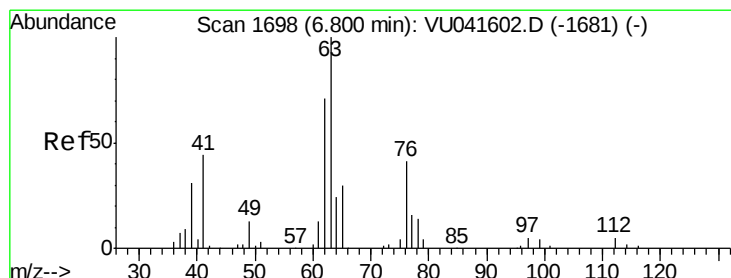
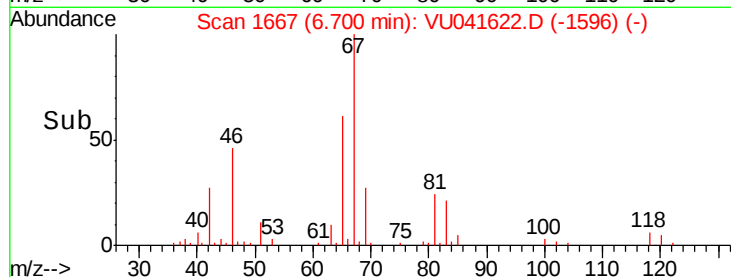
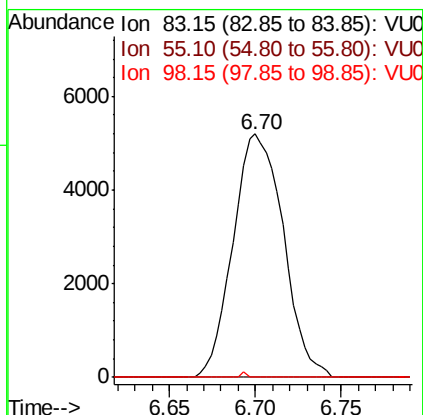
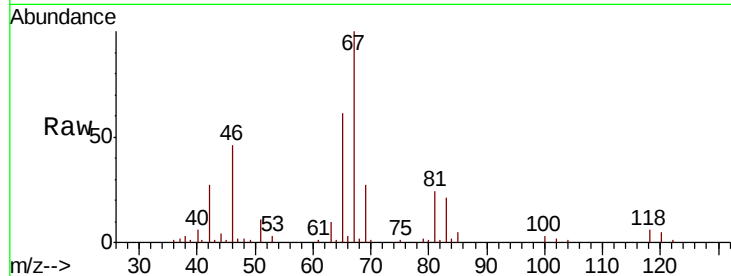




#35
Methvlcvclohexane
Concen: 0.731 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

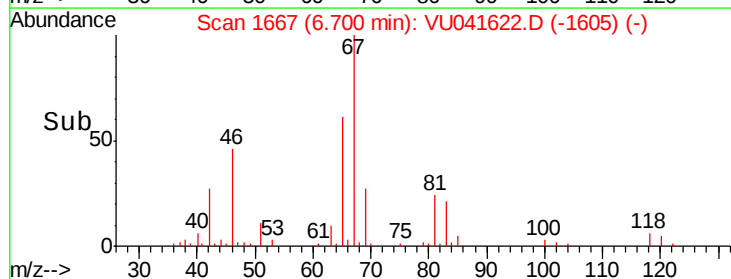
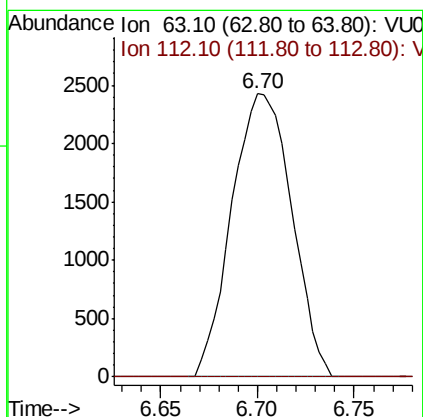
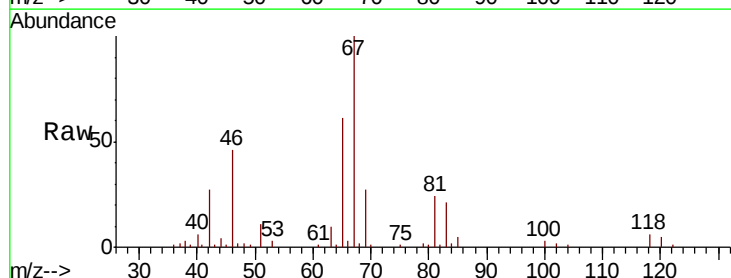
Instrument :
MSVOA_U
ClientSampleId :

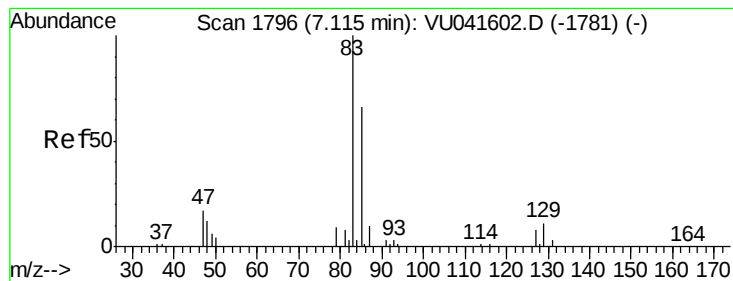
Tot Ion: 83 Resp: 10564
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.2 36.6 54.8#



#37
1,2-Dichloropropane
Concen: 0.575 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

Tgt Ion: 63 Resp: 5235
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38

Bromodichloromethane

Concen: 0.075 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU041622.D

Acq: 14 Dec 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

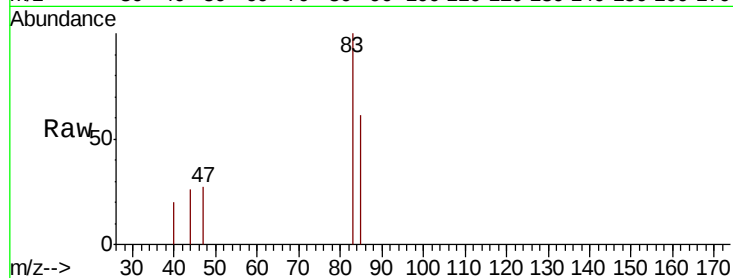
Tot Ion: 83 Resp: 844

Ion Ratio Lower Upper

83 100

85 61.5 45.5 84.5

127 0.0 7.0 10.6#

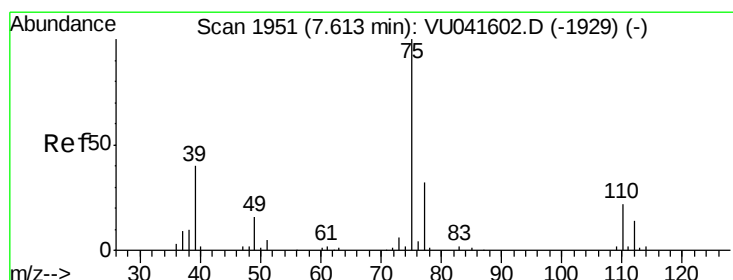
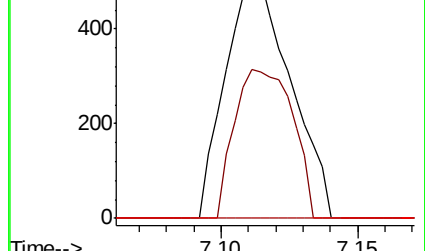
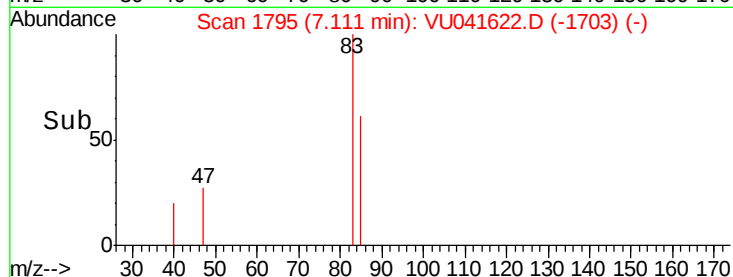


Abundance Ion 82.95 (82.65 to 83.65): VU041622.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU041622.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU041622.D (-1781) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.05 min

Lab File: VU041622.D

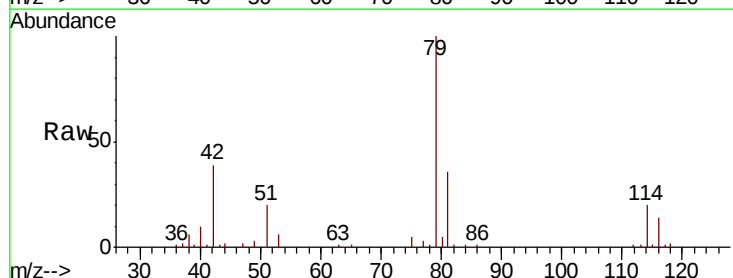
Acq: 14 Dec 2020 19:49

Tgt Ion: 75 Resp: 1303

Ion Ratio Lower Upper

75 100

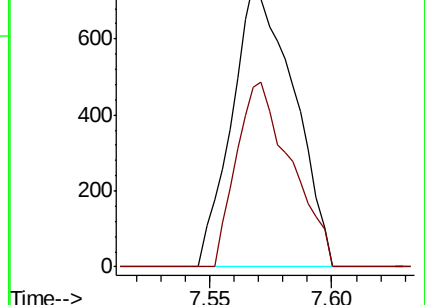
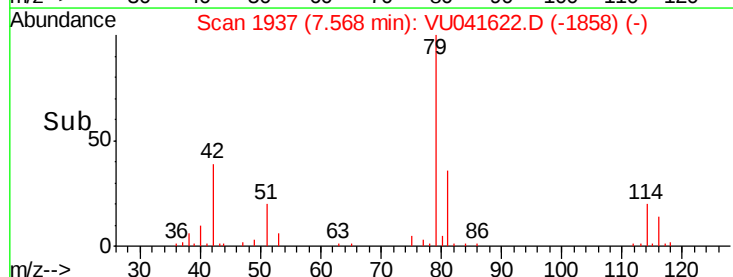
77 63.4 22.3 41.3#

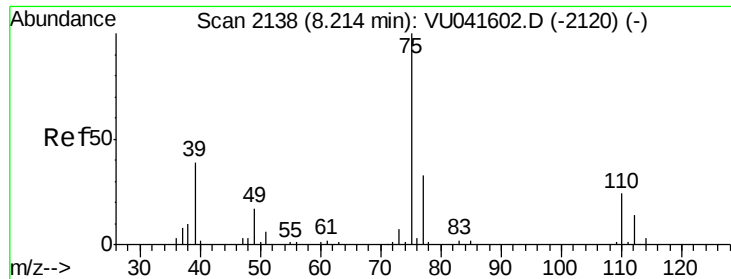


Abundance Ion 75.05 (74.75 to 75.75): VU041622.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041622.D (-1929) (-)

Time-->

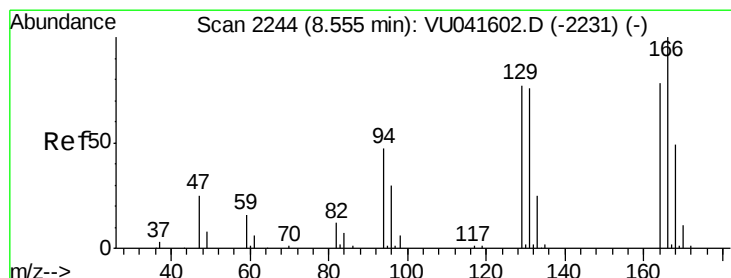
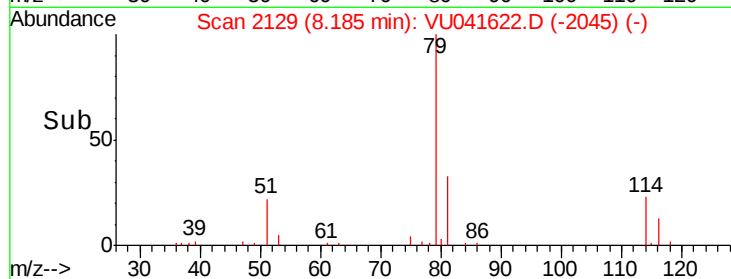
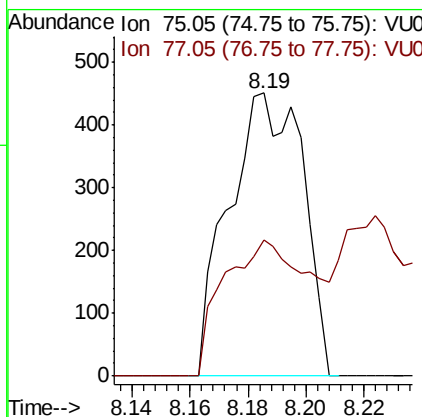
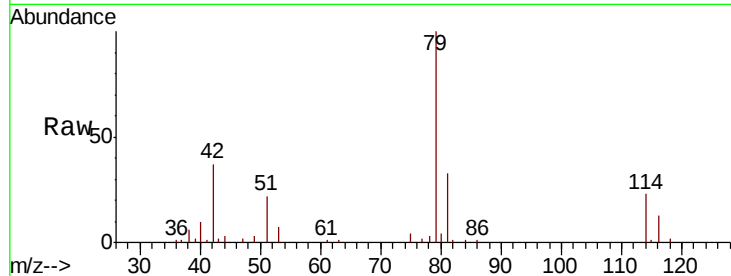




#44
trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

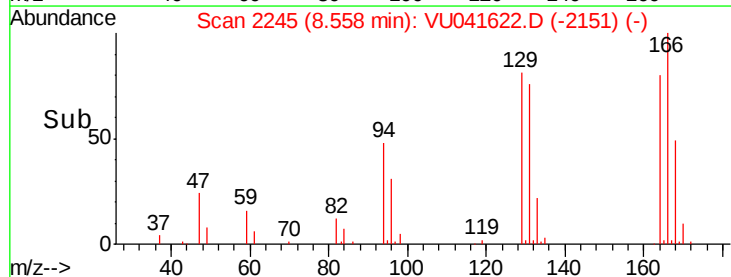
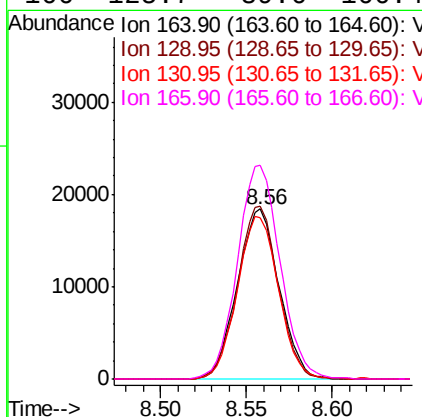
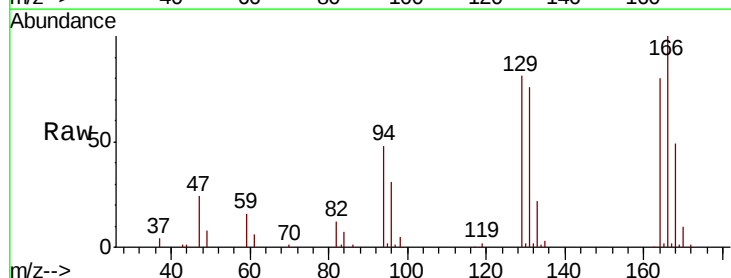
Instrument :
MSVOA_U
ClientSampled :

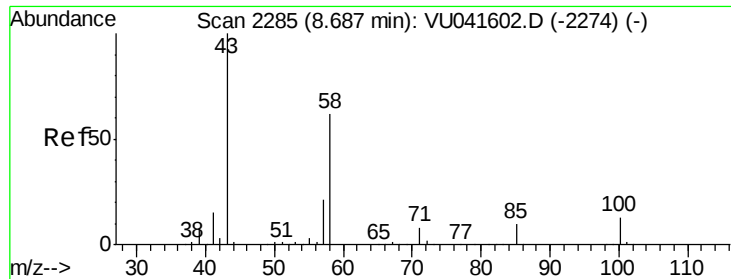
Tot Ion: 75 Resp: 797
Ion Ratio Lower Upper
75 100
77 47.9 23.8 44.2#



#47
Tetrachloroethene
Concen: 4.934 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

Tgt Ion:164 Resp: 30873
Ion Ratio Lower Upper
164 100
129 101.5 72.2 134.0
131 95.2 66.9 124.3
166 125.7 89.6 166.4

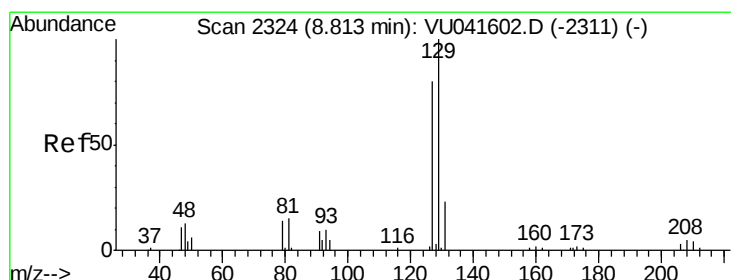
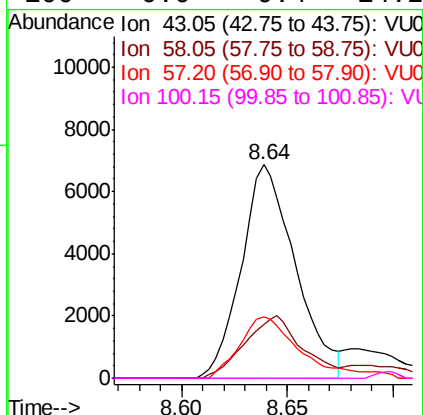
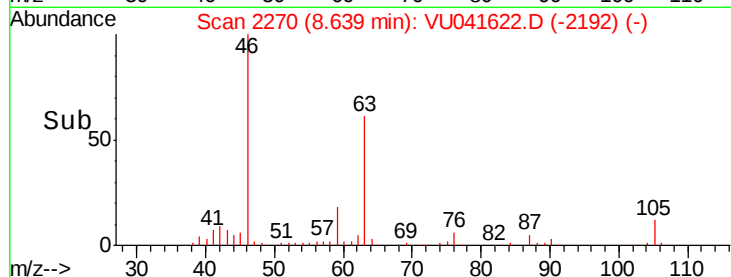
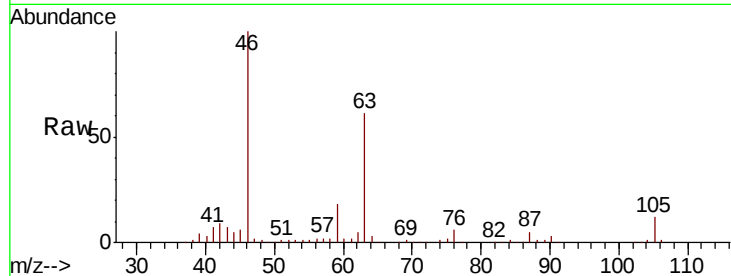




#48
2-Hexanone
Concen: 2.593 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

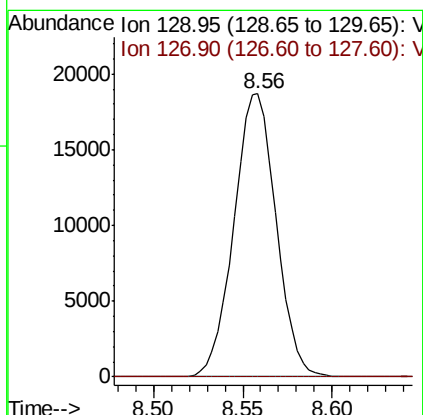
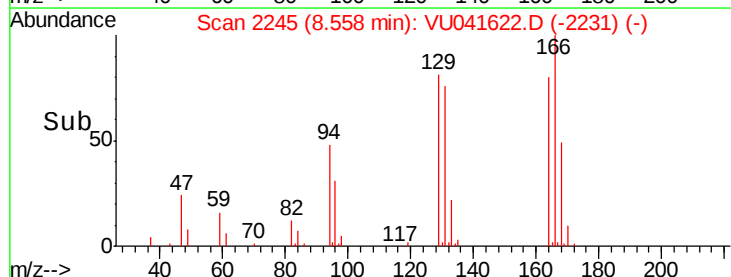
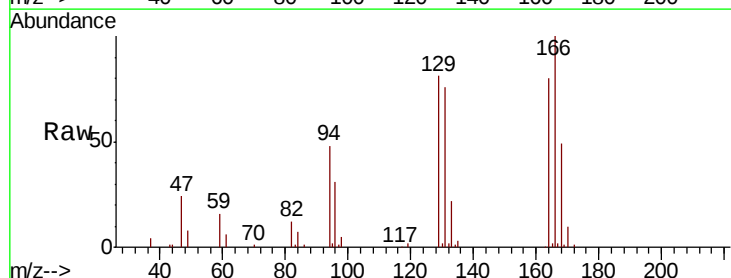
Instrument :
MSVOA_U
ClientSampleId :

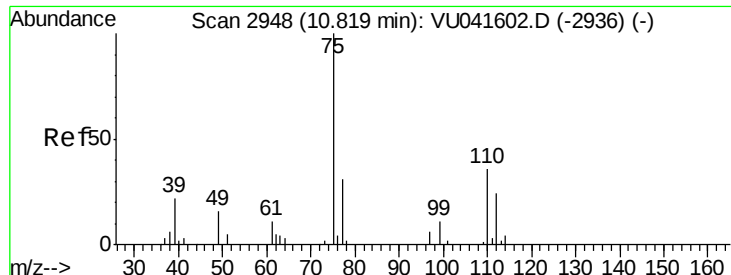
Tot Ion	Ratio	Lower	Upper
43	100		
58	30.9	47.9	71.9#
57	32.7	16.5	24.7#
100	0.0	9.4	14.2#



#49
Dibromochloromethane
Concen: 3.982 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041622.D
Acq: 14 Dec 2020 19:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#59

1,2,3-Trichloropropane

Concen: 0.830 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041622.D

Acq: 14 Dec 2020 19:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 5673

Ion Ratio Lower Upper

75 100

77 34.8 26.2 39.2

