

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041760.D
 Acq On : 22 Dec 2020 22:48
 Operator : SY/MD
 Sample : L5161-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB242

Quant Time: Dec 23 05:11:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 05:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	118502	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118207	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50357	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31997	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.92	69	38919	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.58	63	54970	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.66	46	161844	60.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.64%
24) Chloroform-d	5.08	84	82063	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	47219	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	150707	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.70	67	50906	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	123170	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.19	79	20838	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.64	63	138323	53.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52031	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	50208	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	559	0.057	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	490	0.060	ug/L #	22
13) Acetone	2.67	43	68032	40.191	ug/L	98
15) Methyl Acetate	2.98	43	1784	0.405	ug/L #	51
16) Methylene chloride	3.06	84	1080	0.112	ug/L #	68
21) 2-Butanone	4.75	43	3432	1.245	ug/L	75
25) Chloroform	5.10	83	14181	0.906	ug/L	99
30) Cyclohexane	5.40	56	860	0.057	ug/L #	61
31) Carbon tetrachloride	5.54	117	40762	3.473	ug/L	99
34) Trichloroethene	6.55	95	935	0.098	ug/L	86
35) Methylcyclohexane	6.70	83	12318	0.802	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	5551	0.574	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1545	0.108	ug/L #	76
44) trans-1,3-Dichloropropene	8.18	75	791	0.062	ug/L #	76
48) 2-Hexanone	8.64	43	16209	3.237	ug/L #	65
59) 1,2,3-Trichloropropane	11.81	75	5144	0.708	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 05:08:09 2020
Response via : Initial Calibration

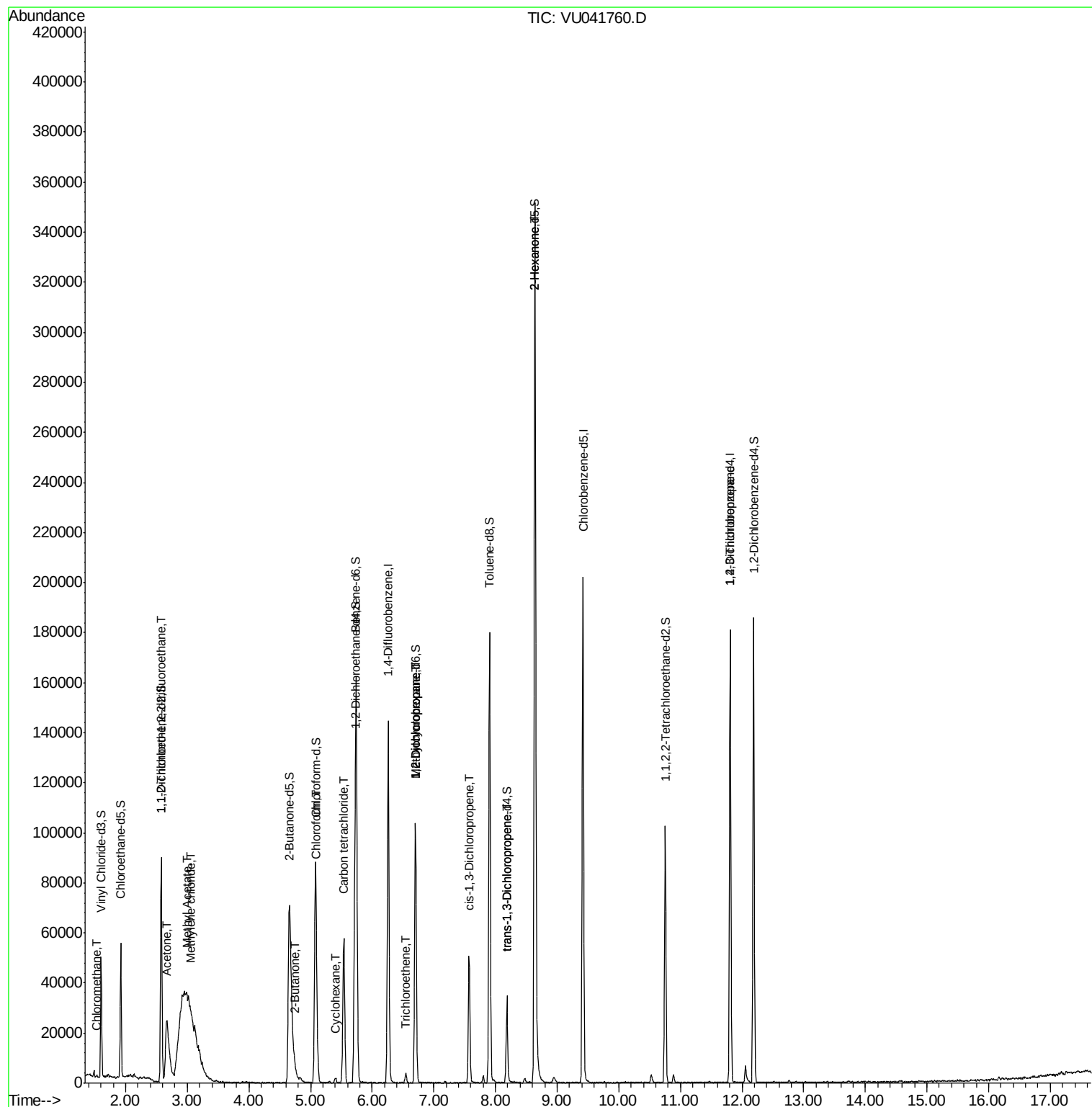
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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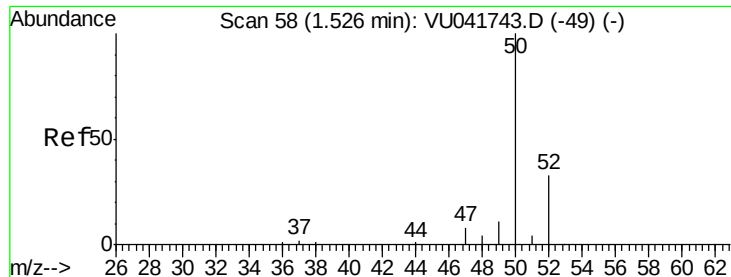
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.057 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041760.D

Acq: 22 Dec 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

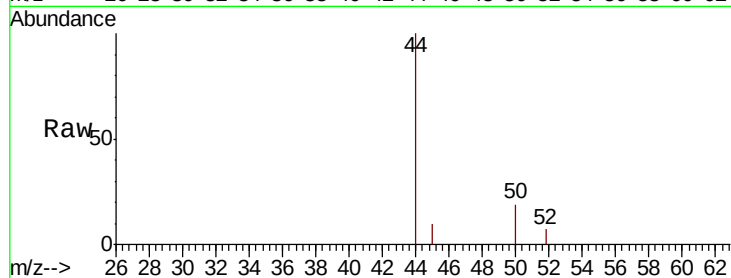
GB242

Tot Ion: 50 Resp: 559

Ion Ratio Lower Upper

50 100

52 33.7 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041760.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041760.D (-1) (-)

1.53

400

300

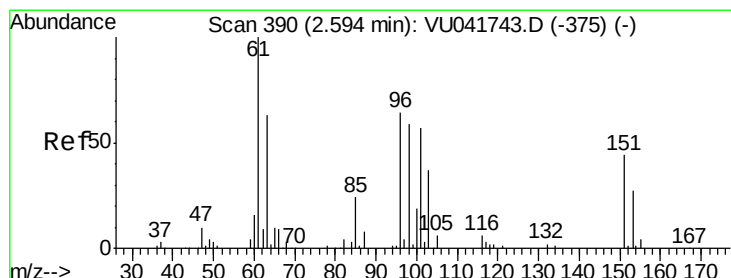
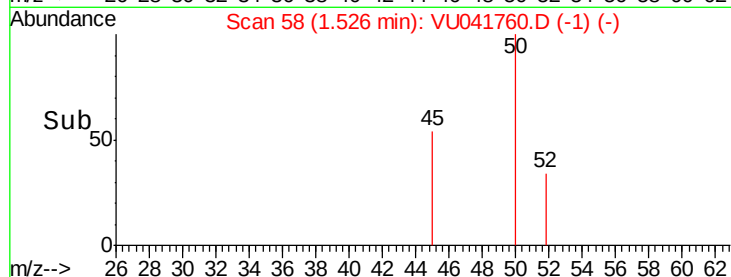
200

100

0

1.50 1.52 1.54 1.56

Time-->



#10

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

Concen: 0.060 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041760.D

Acq: 22 Dec 2020 22:48

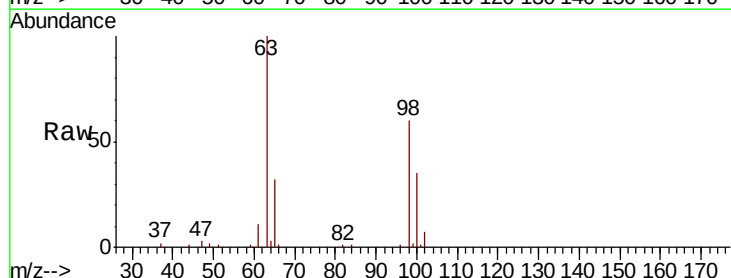
Tgt Ion: 101 Resp: 490

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): VU041760.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU041760.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU041760.D (-297) (-)

2.57

300

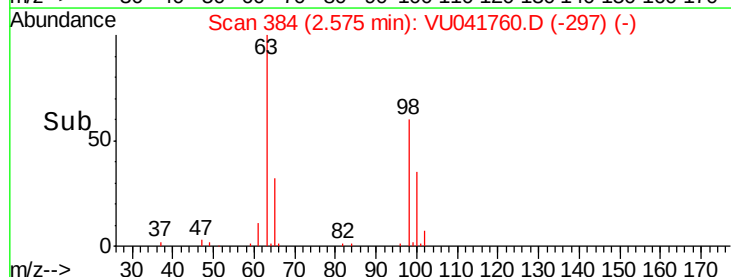
200

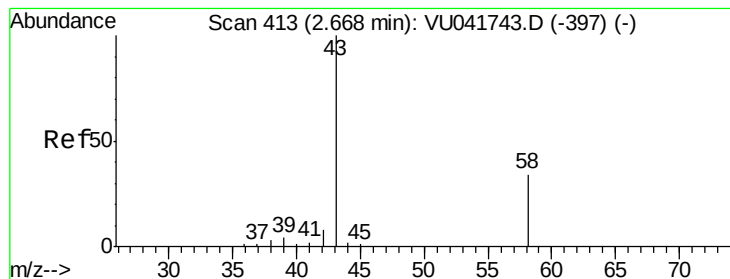
100

0

2.54 2.56 2.58 2.60 2.62

Time-->





#13

Acetone

Concen: 40.191 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU041760.D

Acq: 22 Dec 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

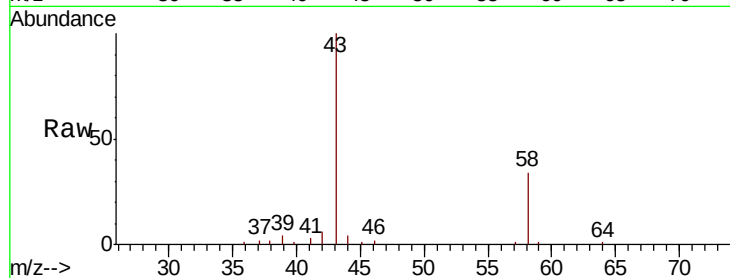
GB242

Tot Ion: 43 Resp: 68032

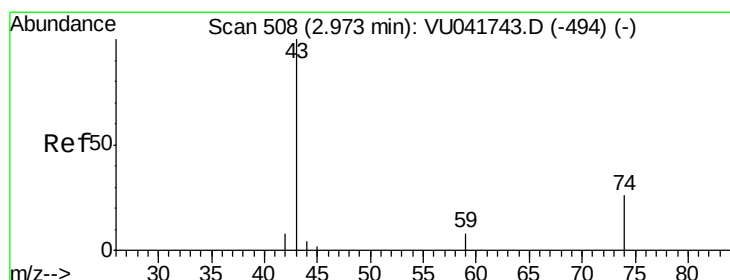
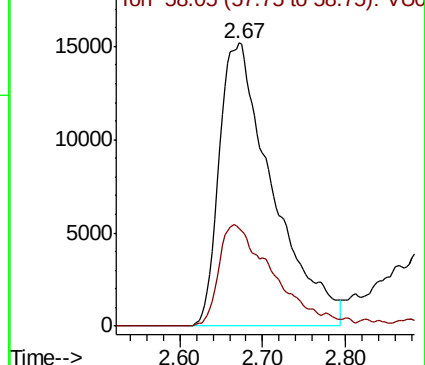
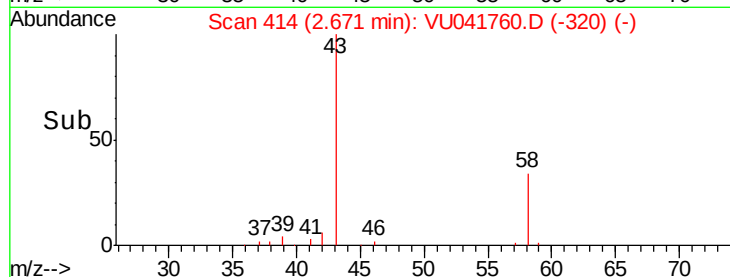
Ion Ratio Lower Upper

43 100

58 35.2 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041760.D (-320) (-)



#15

Methyl Acetate

Concen: 0.405 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.01 min

Lab File: VU041760.D

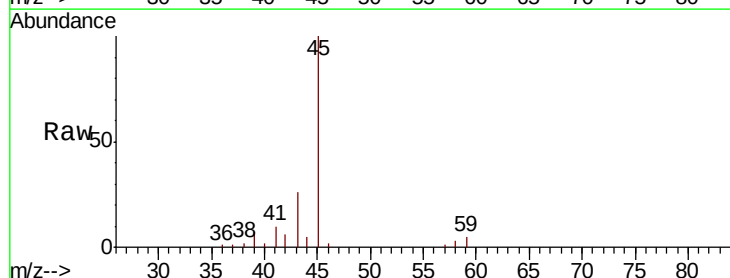
Acq: 22 Dec 2020 22:48

Tgt Ion: 43 Resp: 1784

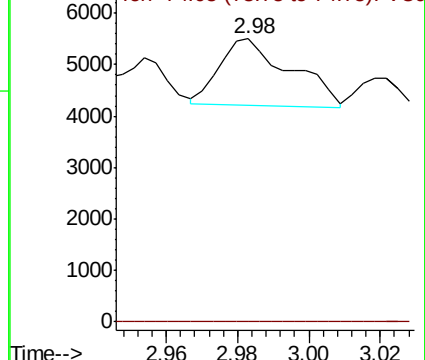
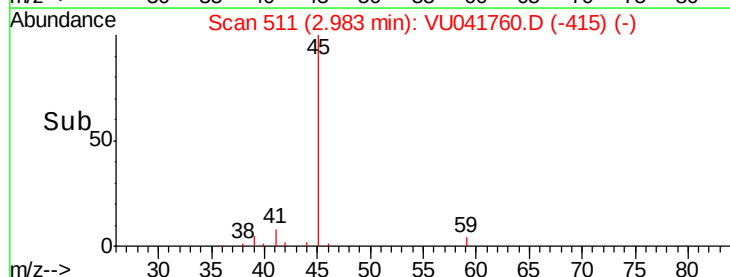
Ion Ratio Lower Upper

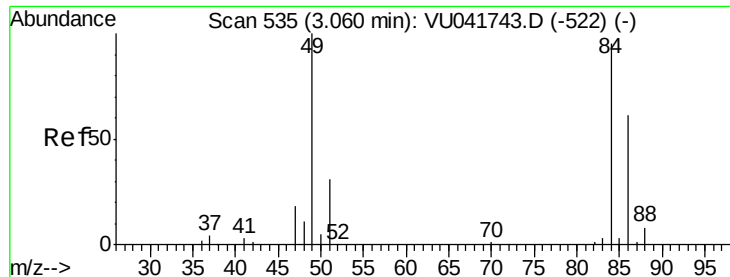
43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU041760.D (-415) (-)

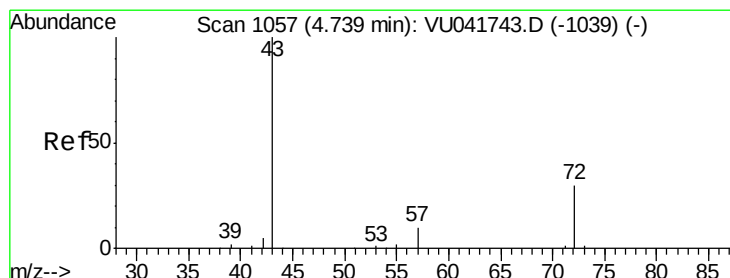
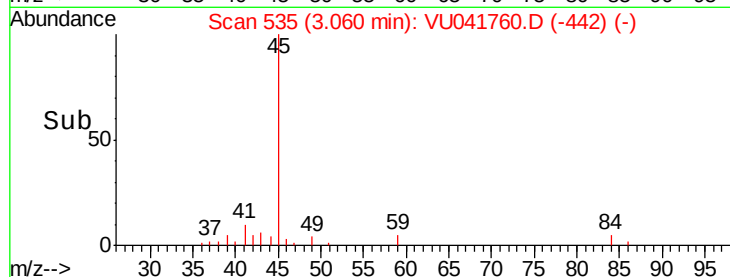
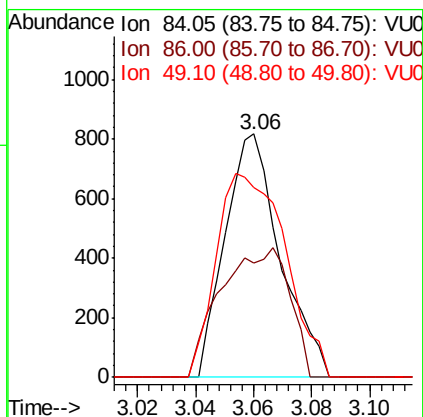
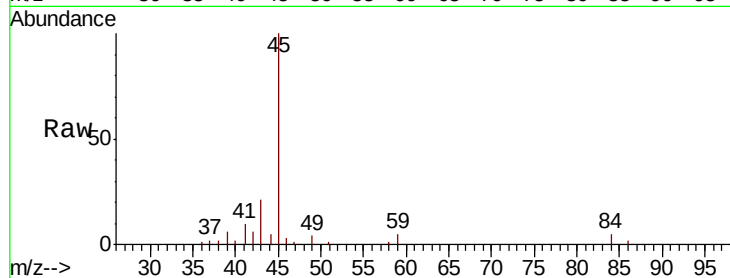




#16
Methvlene chloride
Concen: 0.112 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

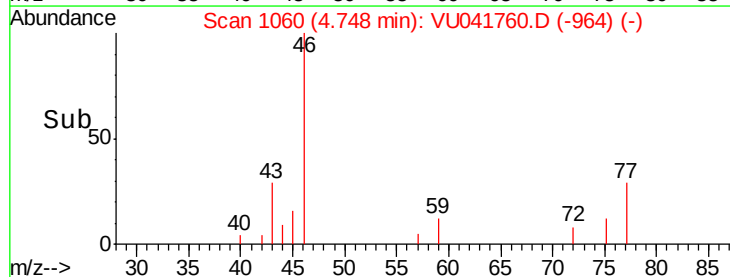
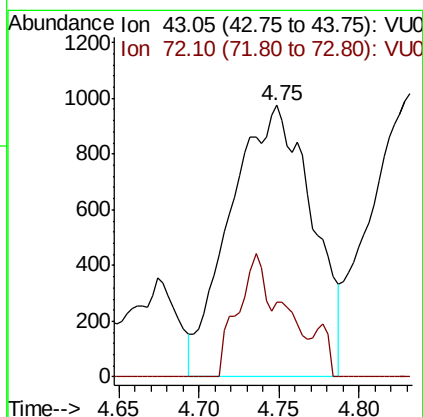
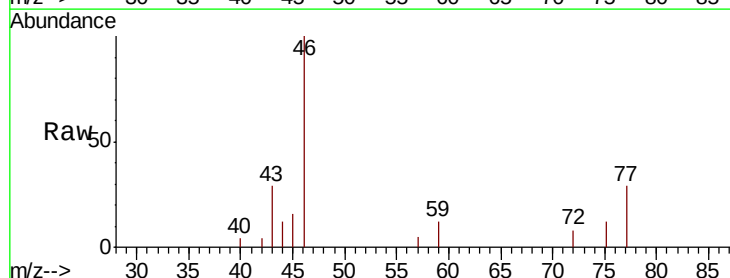
Instrument :
MSVOA_U
ClientSampled :
GB242

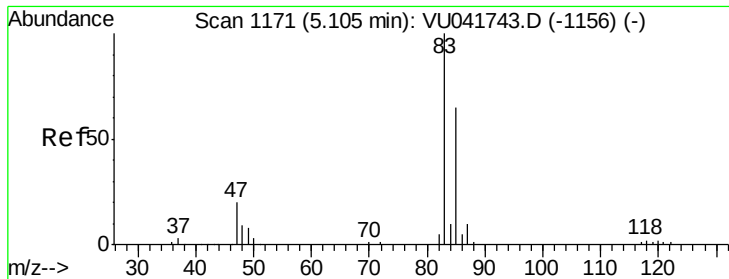
Tot Ion: 84 Resp: 1080
Ion Ratio Lower Upper
84 100
86 46.8 45.1 83.7
49 77.9 83.1 154.3#



#21
2-Butanone
Concen: 1.245 ug/L
RT: 4.75 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

Tgt Ion: 43 Resp: 3432
Ion Ratio Lower Upper
43 100
72 16.0 14.6 44.0

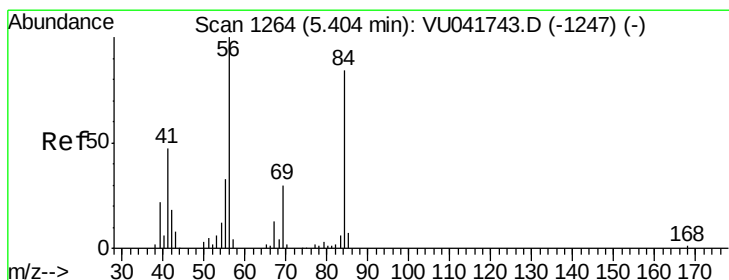
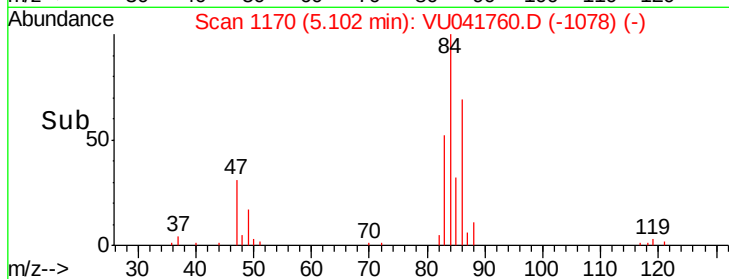
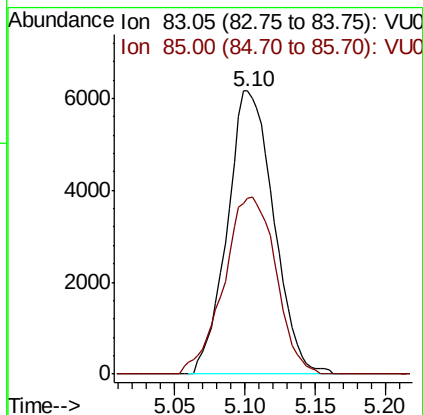
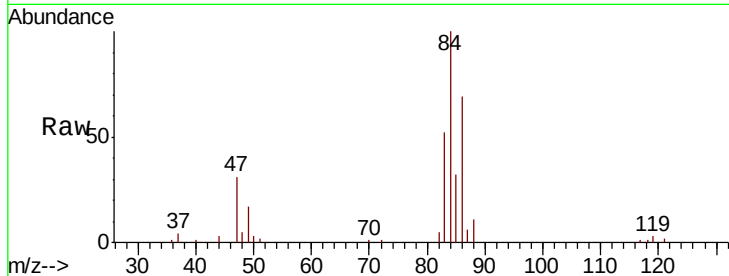




#25
Chloroform
Concen: 0.906 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

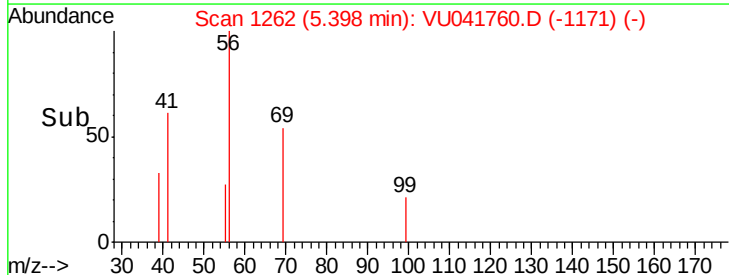
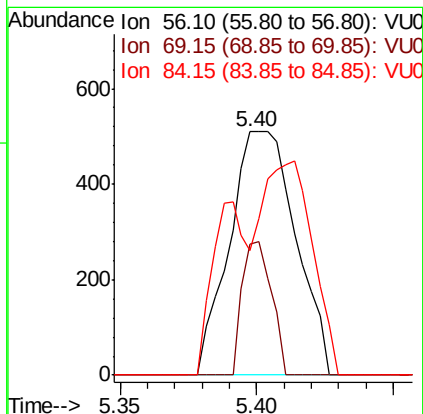
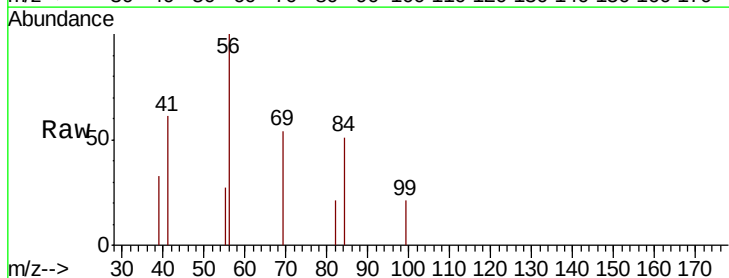
Instrument :
MSVOA_U
ClientSampleId :
GB242

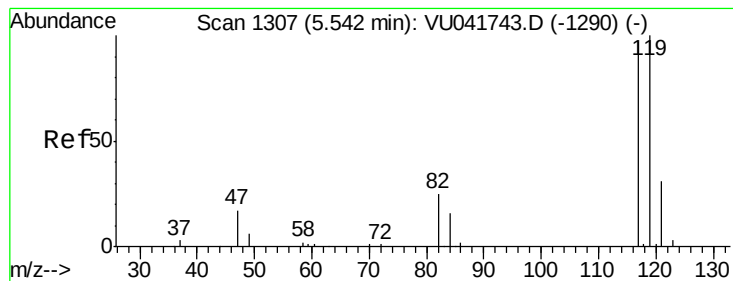
Tot Ion: 83 Resp: 14181
Ion Ratio Lower Upper
83 100
85 61.9 44.2 82.0



#30
Cyclohexane
Concen: 0.057 ug/L
RT: 5.40 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

Tgt Ion: 56 Resp: 860
Ion Ratio Lower Upper
56 100
69 24.0 23.8 35.8
84 38.1 66.2 99.4#





#31

Carbon tetrachloride

Concen: 3.473 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041760.D

Acq: 22 Dec 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

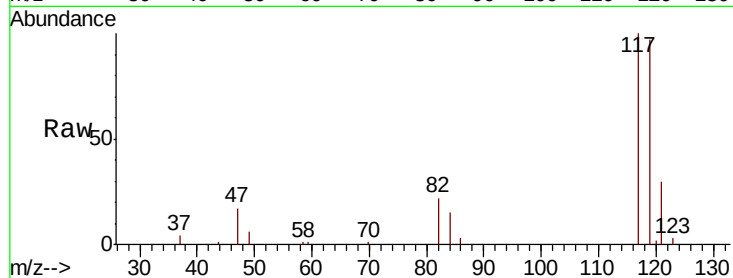
GB242

Tot Ion:117 Resp: 40762

Ion Ratio Lower Upper

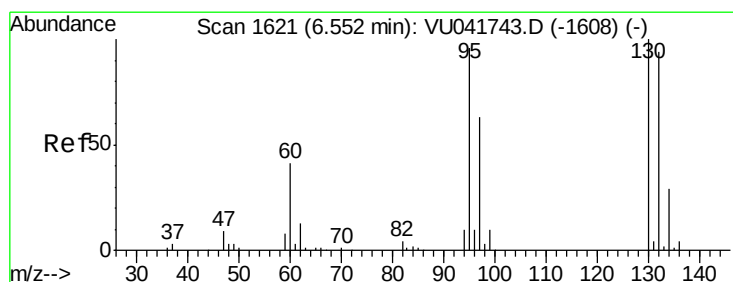
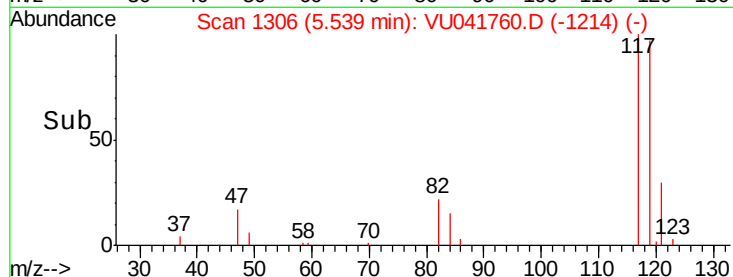
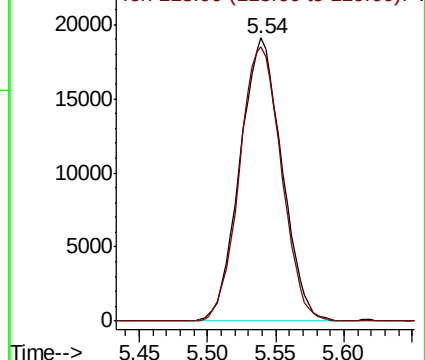
117 100

119 96.5 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.098 ug/L

RT: 6.55 min Scan# 1619

Delta R.T. -0.01 min

Lab File: VU041760.D

Acq: 22 Dec 2020 22:48

Tgt Ion: 95 Resp: 935

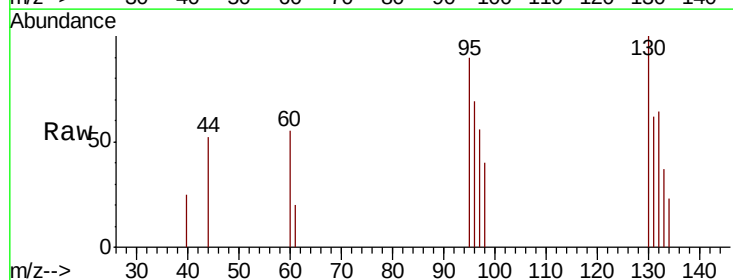
Ion Ratio Lower Upper

95 100

97 61.7 43.9 81.5

132 70.4 63.1 117.3

130 110.5 67.4 125.2

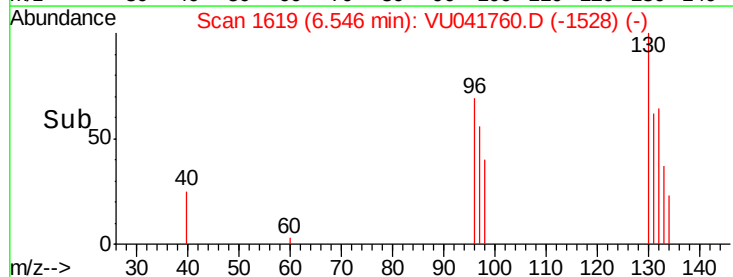
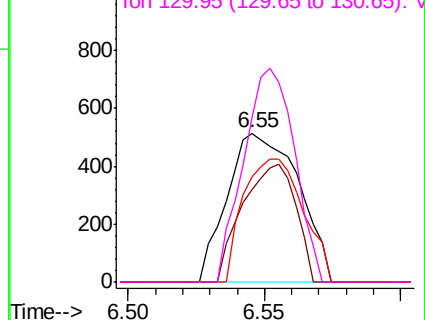


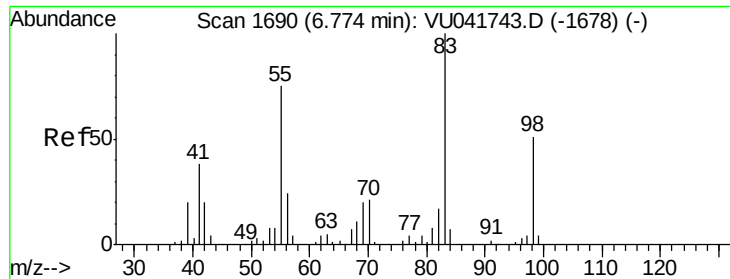
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

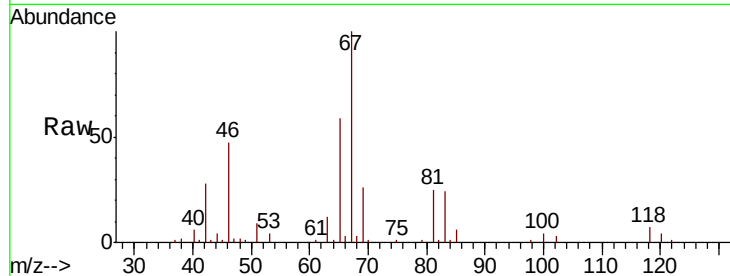




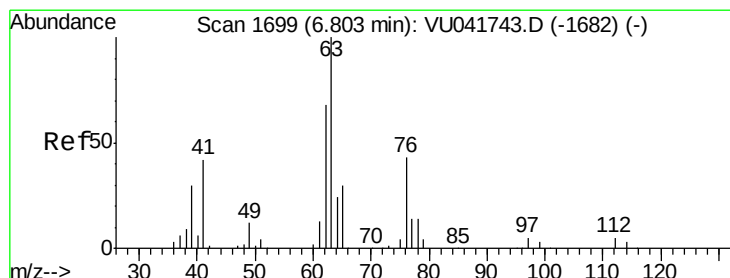
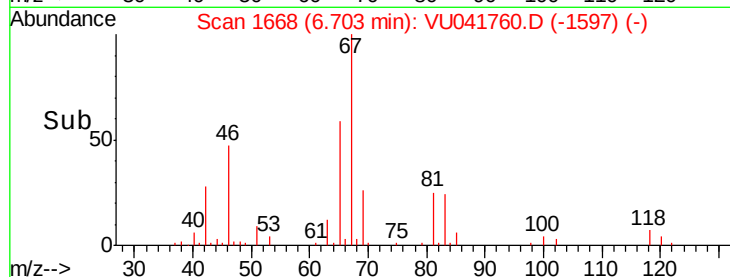
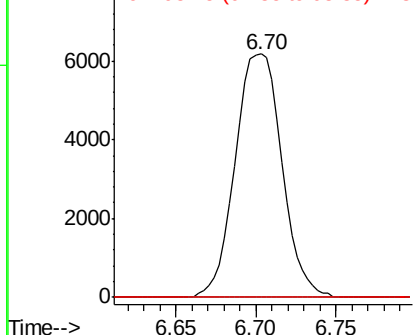
#35
Methylcyclohexane
Concen: 0.802 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

Instrument :
MSVOA_U
ClientSampled :
GB242

Tot Ion	83.15	Resp	12318
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	3.1	36.6	54.8#

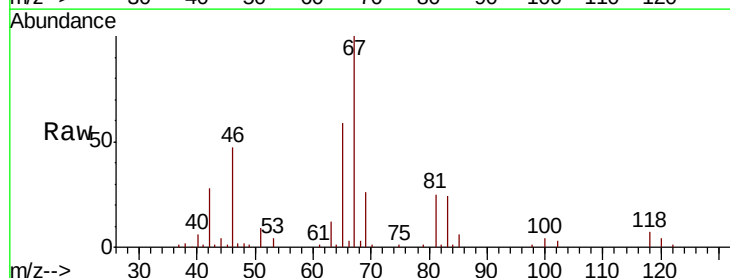


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

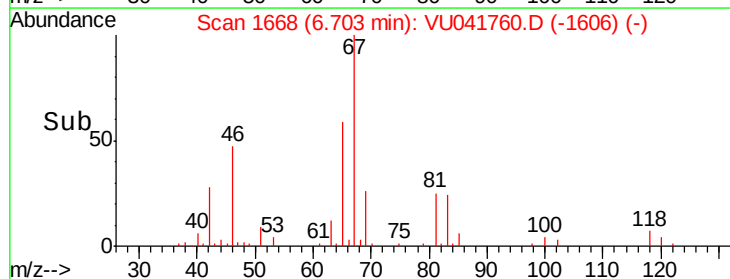
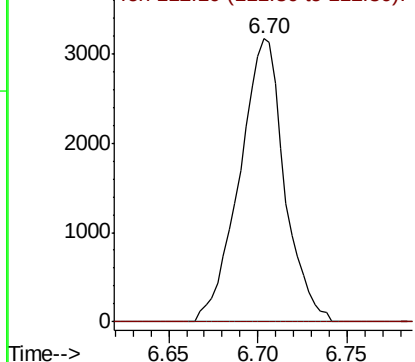


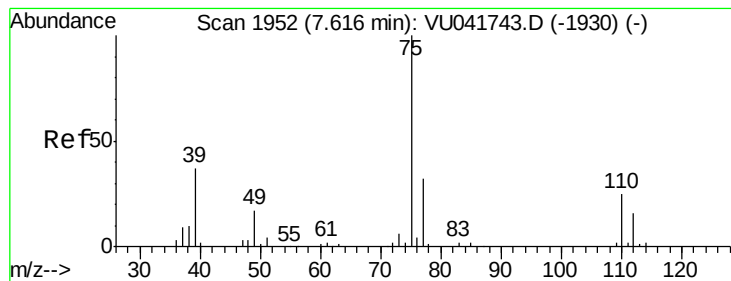
#37
1,2-Dichloropropane
Concen: 0.574 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

Tgt Ion	63	Resp	5551
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



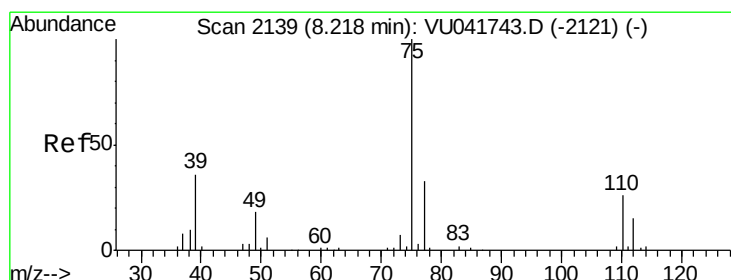
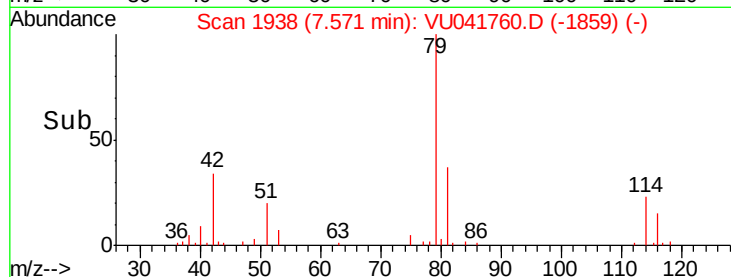
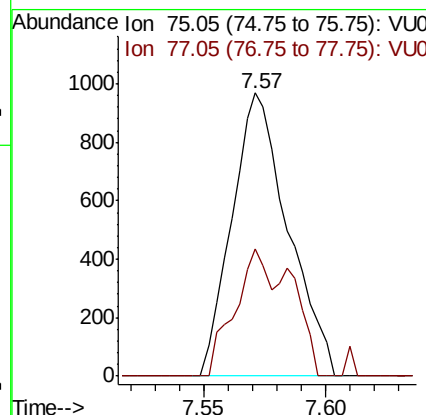
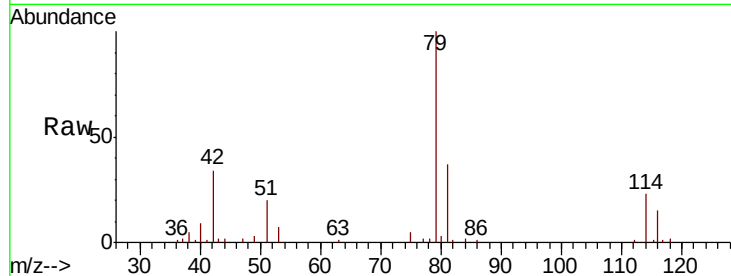


#39

cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU041760.D
 Acq: 22 Dec 2020 22:48

Instrument :
 MSVOA_U
 ClientSampleID :
 GB242

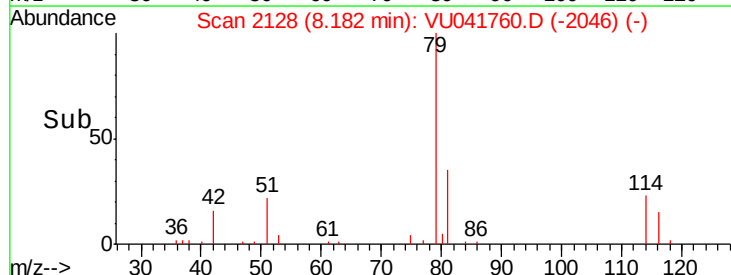
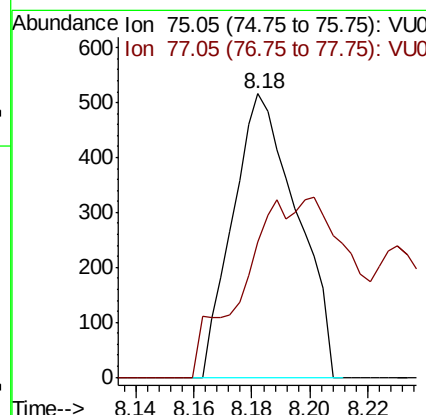
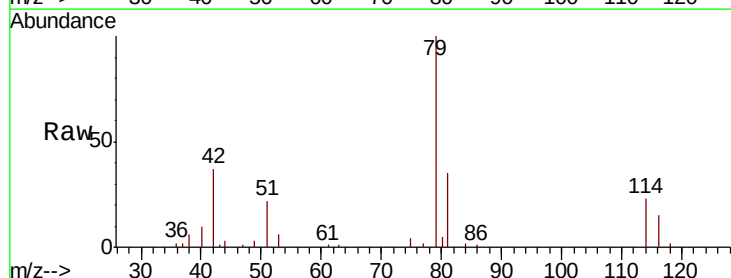
Tot Ion: 75 Resp: 1545
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.3 41.3#

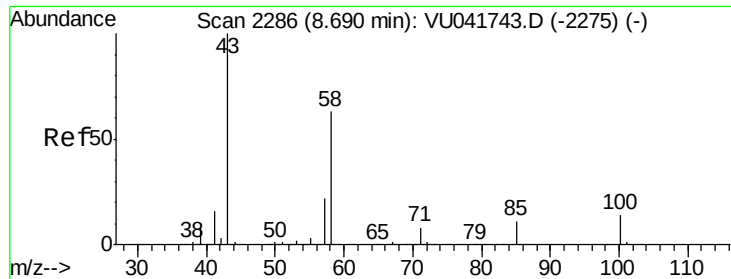


#44

trans-1,3-Dichloropropene
 Concen: 0.062 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.04 min
 Lab File: VU041760.D
 Acq: 22 Dec 2020 22:48

Tgt Ion: 75 Resp: 791
 Ion Ratio Lower Upper
 75 100
 77 47.7 23.8 44.2#

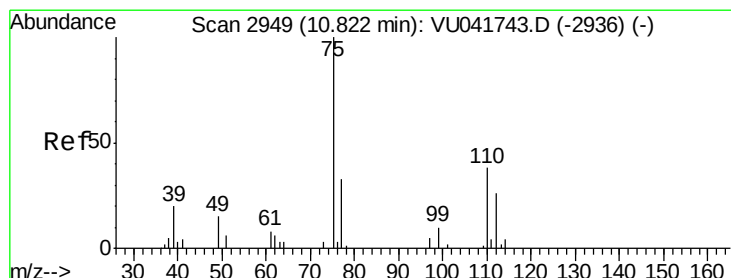
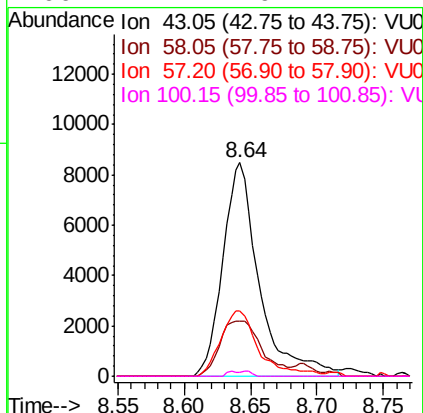
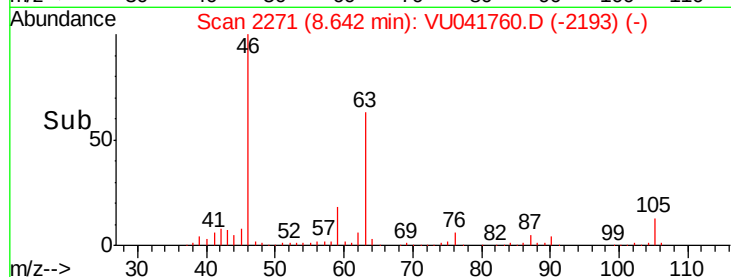
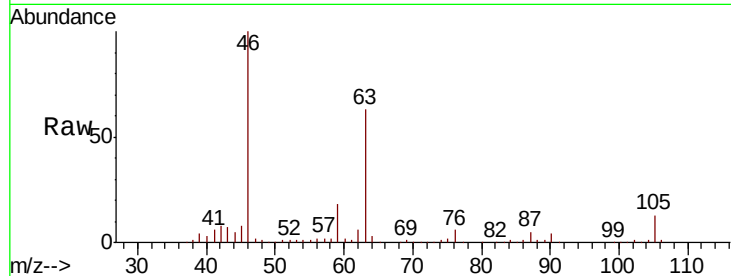




#48
2-Hexanone
Concen: 3.237 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

Instrument :
MSVOA_U
ClientSampled :
GB242

Tot Ion: 43 Resp: 16209
Ion Ratio Lower Upper
43 100
58 29.9 47.9 71.9#
57 32.1 16.5 24.7#
100 1.4 9.4 14.2#



#59
1,2,3-Trichloropropane
Concen: 0.708 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041760.D
Acq: 22 Dec 2020 22:48

Tgt Ion: 75 Resp: 5144
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2

