

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041759.D
 Acq On : 22 Dec 2020 22:24
 Operator : SY/MD
 Sample : L5161-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB241

Quant Time: Dec 23 05:10:59 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	125337	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119771	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51777	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33160	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.92	69	38150	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.58	63	53747	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.65	46	153559	54.56	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.12%
24) Chloroform-d	5.08	84	83526	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	49279	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.74	84	156480	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.70	67	52670	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.90	98	128624	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.18	79	20599	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	134210	50.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51722	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52095	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	466	0.045	ug/L	94
8) Chloroethane	1.94	64	265	0.034	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	415	0.048	ug/L #	22
13) Acetone	2.66	43	94418	52.737	ug/L	100
15) Methyl Acetate	2.85	43	12764	2.742	ug/L #	51
16) Methylene chloride	3.06	84	7447	0.733	ug/L	95
21) 2-Butanone	4.73	43	5733	1.966	ug/L	90
25) Chloroform	5.09	83	1395	0.084	ug/L #	52
27) 1,2-Dichloroethane	5.74	62	749	0.067	ug/L #	73
30) Cyclohexane	5.40	56	8778	0.569	ug/L	87
31) Carbon tetrachloride	5.54	117	109670	9.221	ug/L	97
34) Trichloroethene	6.56	95	812	0.084	ug/L	91
35) Methylcyclohexane	6.70	83	12822	0.824	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	5633	0.575	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1075	0.074	ug/L #	70
44) trans-1,3-Dichloropropene	8.19	75	880	0.068	ug/L	87
48) 2-Hexanone	8.64	43	15060	2.968	ug/L #	63

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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

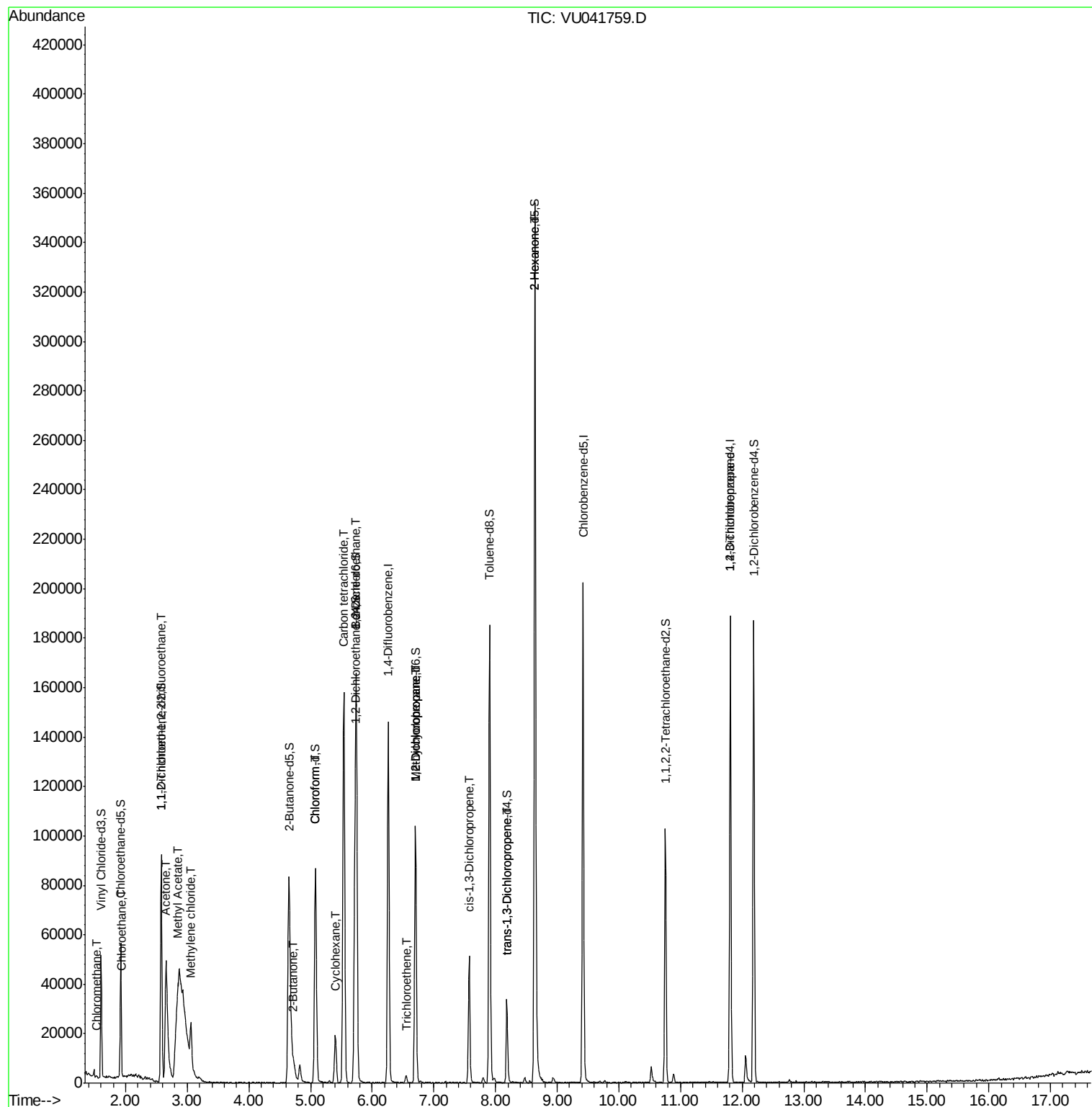
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	5841	0.794	ug/L	97

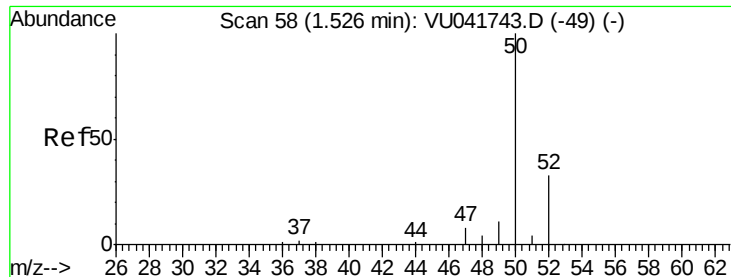
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122220\
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.045 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Instrument :

MSVOA_U

ClientSampleId :

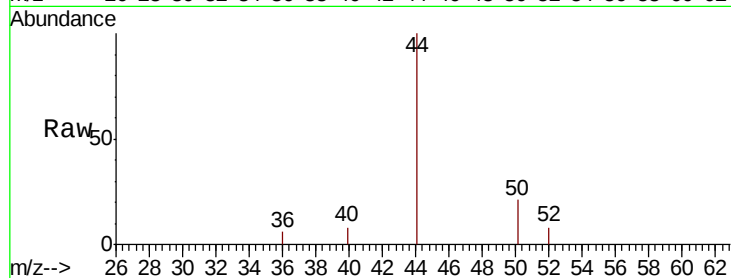
GB241

Tot Ion: 50 Resp: 466

Ion Ratio Lower Upper

50 100

52 38.2 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.52

400

300

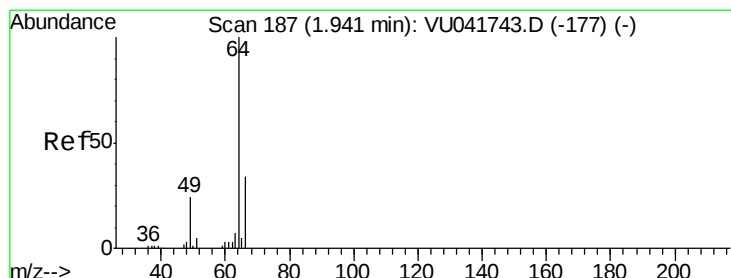
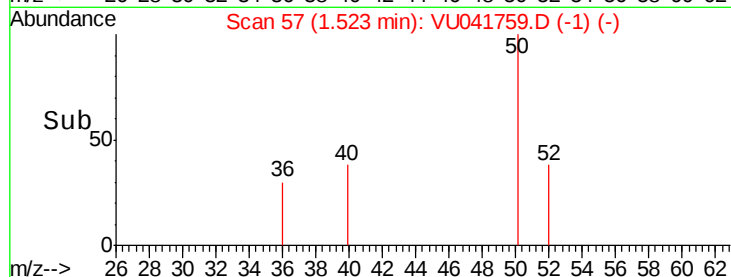
200

100

0

1.50 1.52 1.54

Time-->



#8

Chloroethane

Concen: 0.034 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041759.D

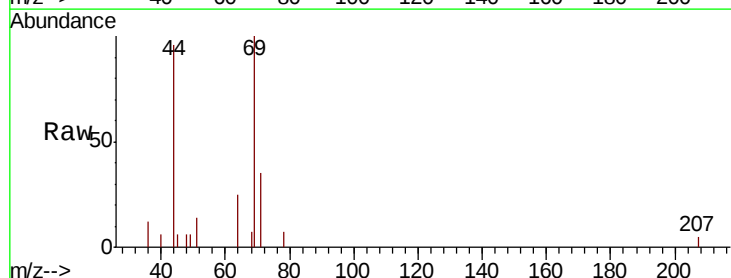
Acq: 22 Dec 2020 22:24

Tgt Ion: 64 Resp: 265

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

500

400

300

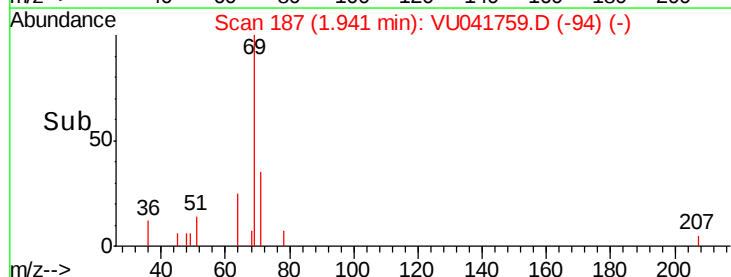
200

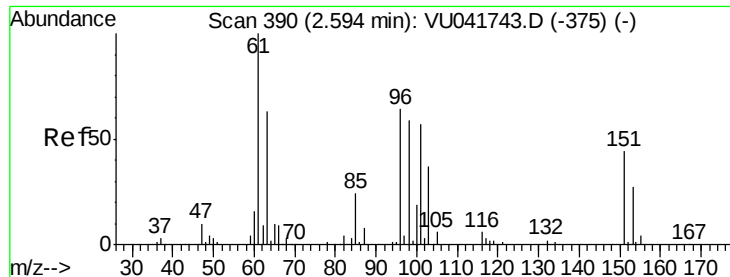
100

0

1.92 1.93 1.94 1.95 1.96

Time-->





#10

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

Concen: 0.048 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

GB241

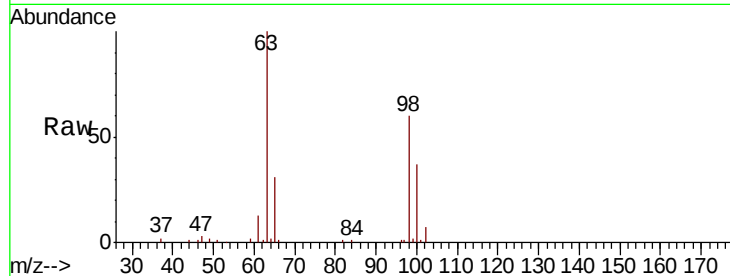
Tot Ion:101 Resp: 415

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): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

400

300

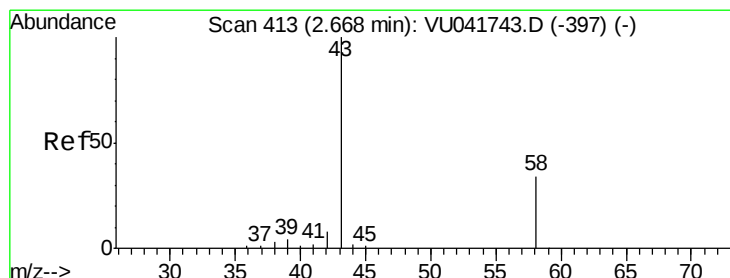
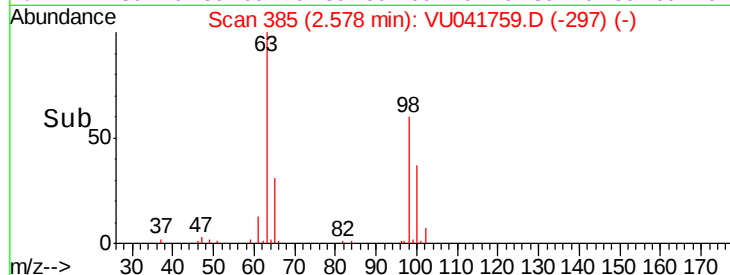
200

100

0

2.56 2.58 2.60

Time-->



#13

Acetone

Concen: 52.737 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU041759.D

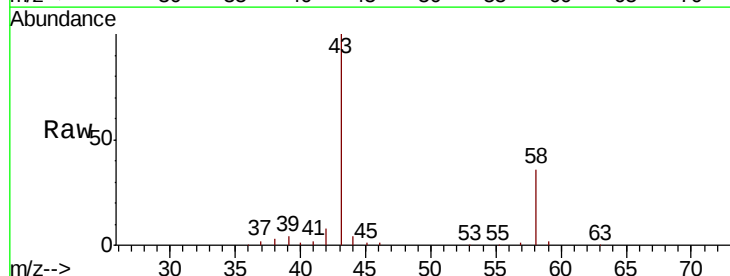
Acq: 22 Dec 2020 22:24

Tgt Ion: 43 Resp: 94418

Ion Ratio Lower Upper

43 100

58 36.6 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

30000

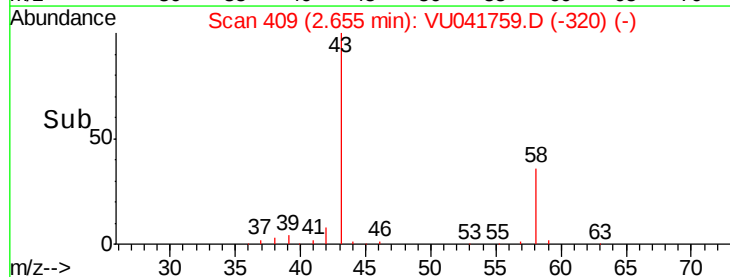
20000

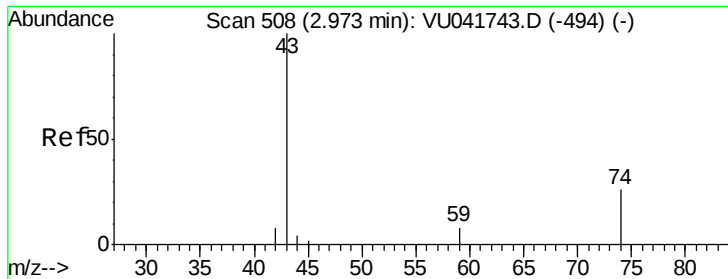
10000

0

2.60 2.70 2.80

Time-->





#15

Methvl Acetate

Concen: 2.742 ug/L

RT: 2.85 min Scan# 469

Delta R.T. -0.13 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Instrument :

MSVOA_U

ClientSampleId :

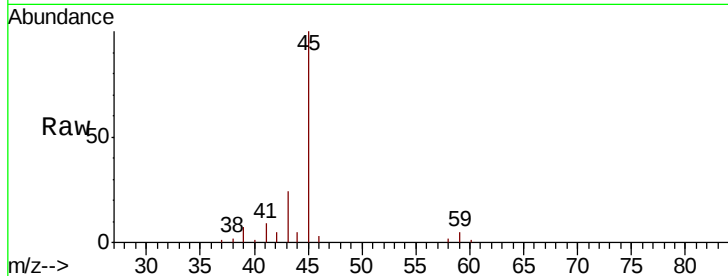
GB241

Tot Ion: 43 Resp: 12764

Ion Ratio Lower Upper

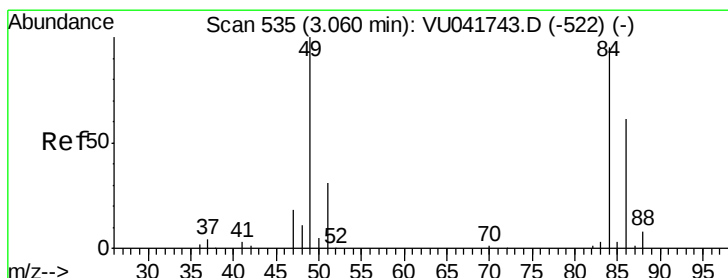
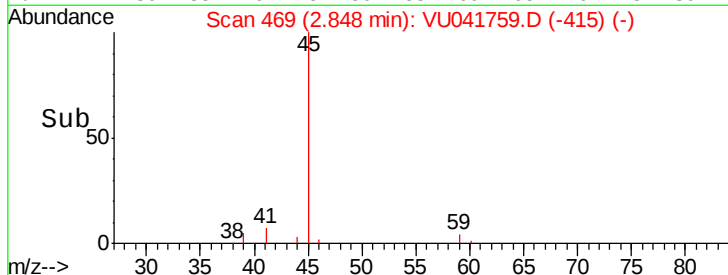
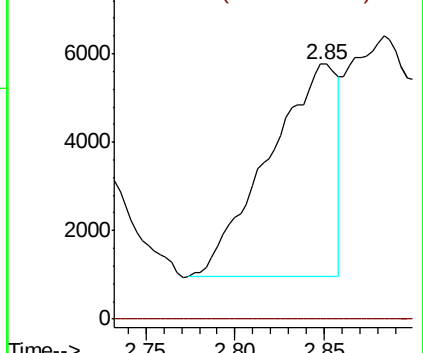
43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.733 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

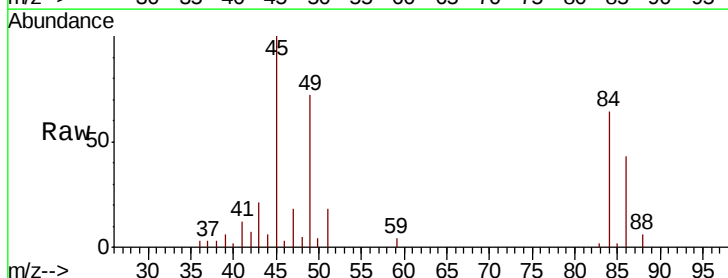
Tgt Ion: 84 Resp: 7447

Ion Ratio Lower Upper

84 100

86 66.5 45.1 83.7

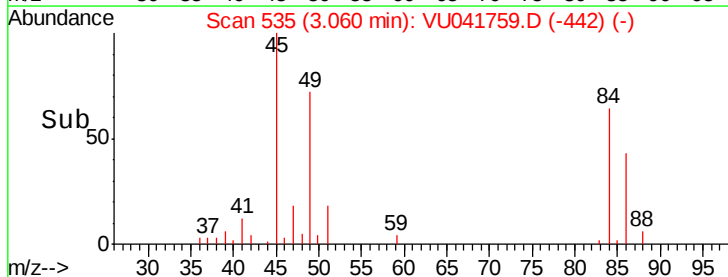
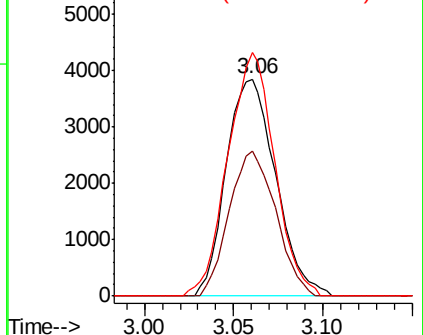
49 112.1 83.1 154.3

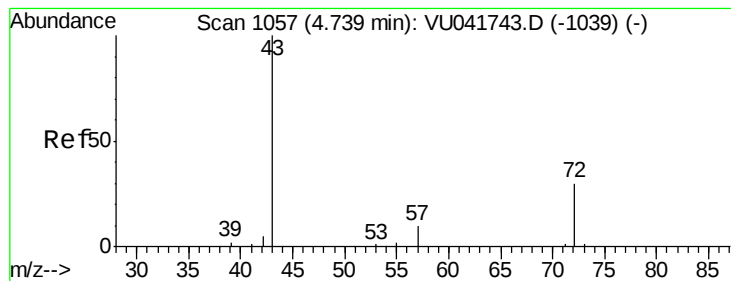


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#21

2-Butanone

Concen: 1.966 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

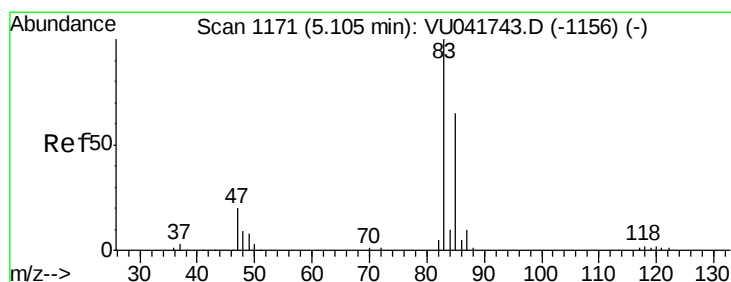
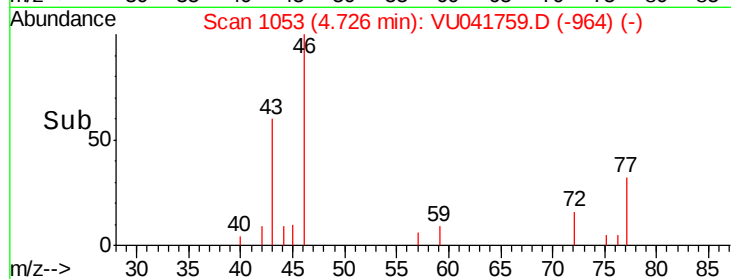
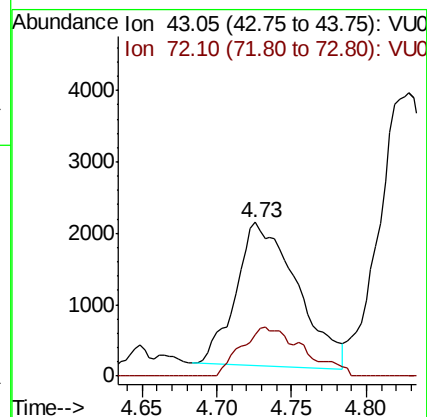
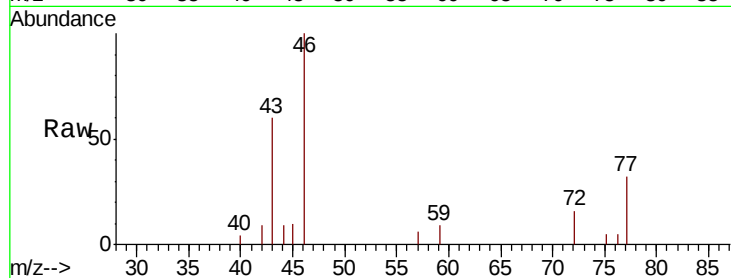
GB241

Tot Ion: 43 Resp: 5733

Ion Ratio Lower Upper

43 100

72 34.7 14.6 44.0



#25

Chloroform

Concen: 0.084 ug/L

RT: 5.09 min Scan# 1166

Delta R.T. -0.02 min

Lab File: VU041759.D

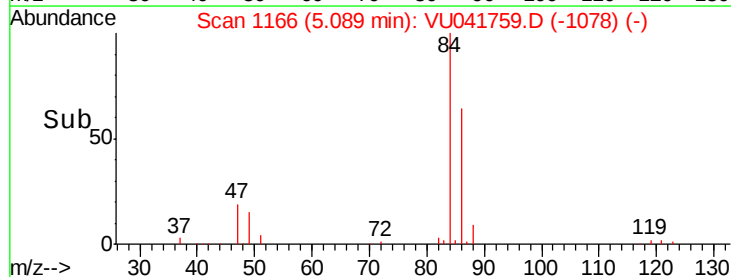
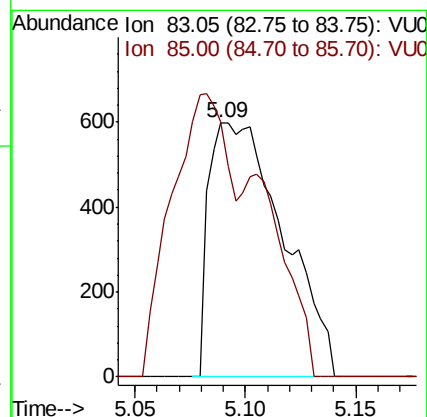
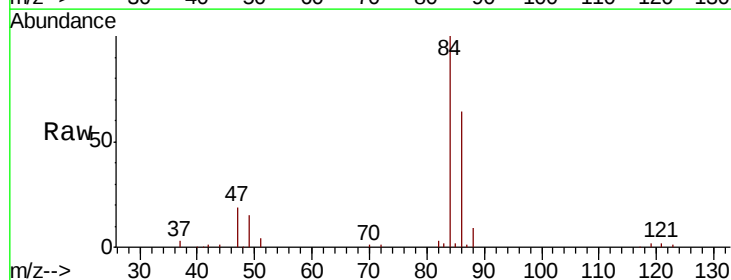
Acq: 22 Dec 2020 22:24

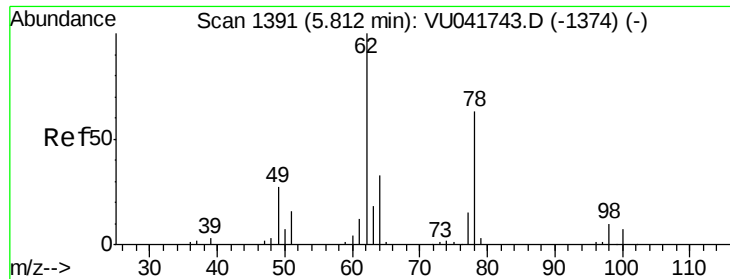
Tgt Ion: 83 Resp: 1395

Ion Ratio Lower Upper

83 100

85 100.5 44.2 82.0#

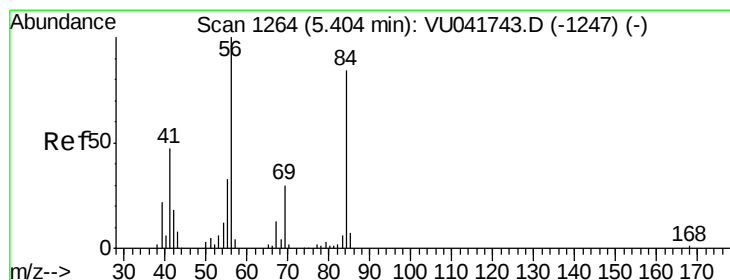
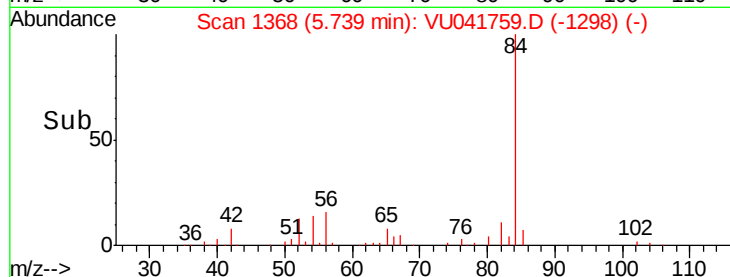
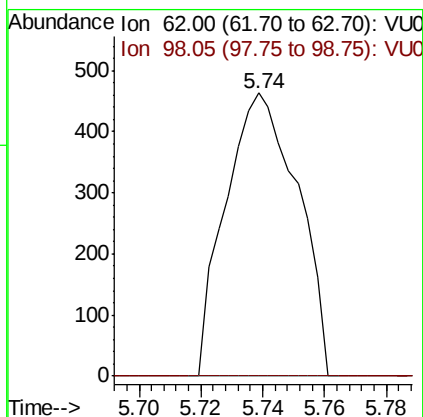
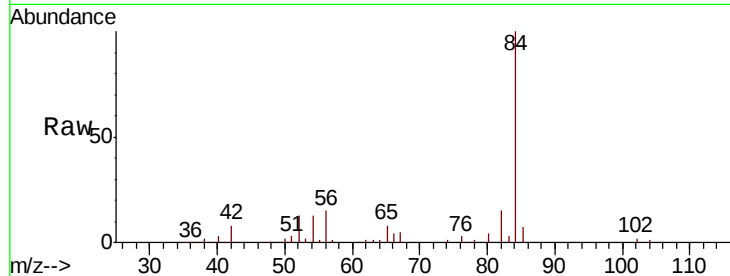




#27
 1,2-Dichloroethane
 Concen: 0.067 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041759.D
 Acq: 22 Dec 2020 22:24

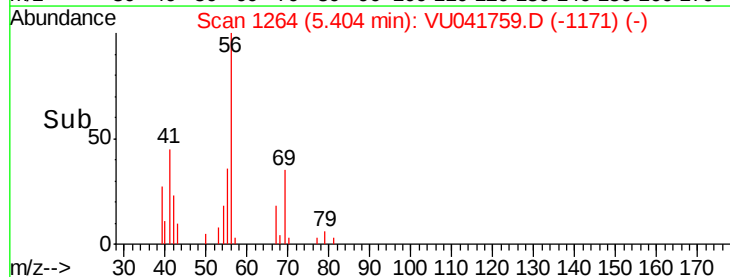
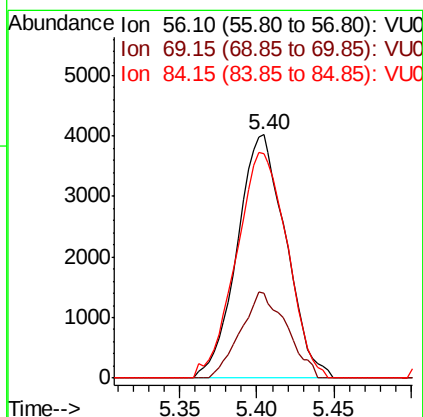
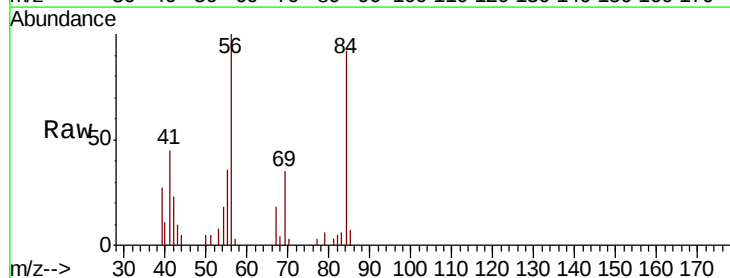
Instrument :
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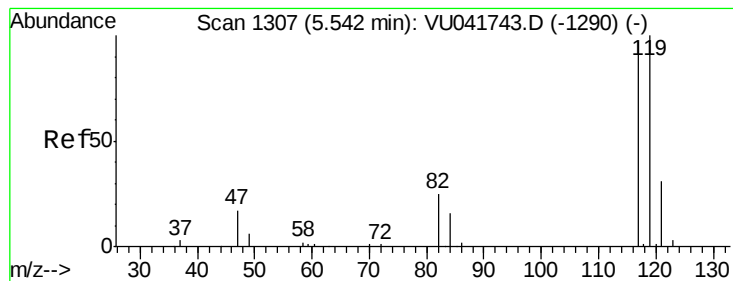
Tot Ion: 62 Resp: 749
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#30
 Cyclohexane
 Concen: 0.569 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041759.D
 Acq: 22 Dec 2020 22:24

Tgt Ion: 56 Resp: 8778
 Ion Ratio Lower Upper
 56 100
 69 33.5 23.8 35.8
 84 97.0 66.2 99.4





#31

Carbon tetrachloride

Concen: 9.221 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Instrument :

MSVOA_U

ClientSampleId :

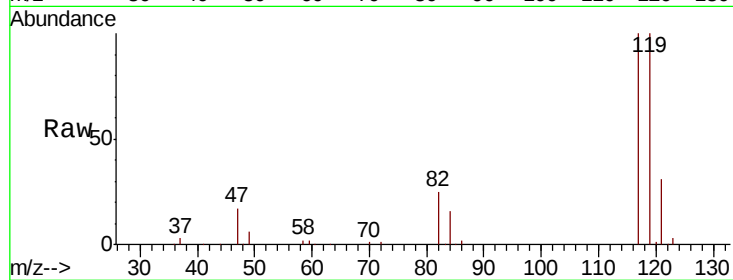
GB241

Tot Ion:117 Resp: 109670

Ion Ratio Lower Upper

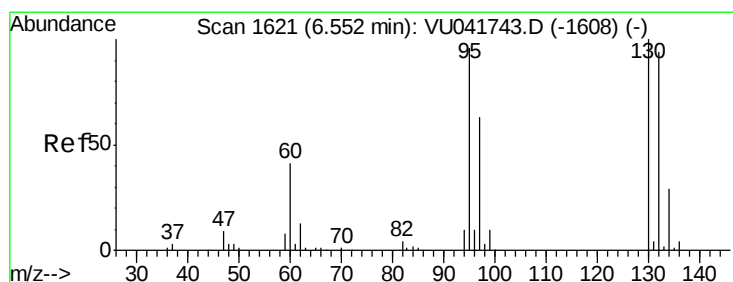
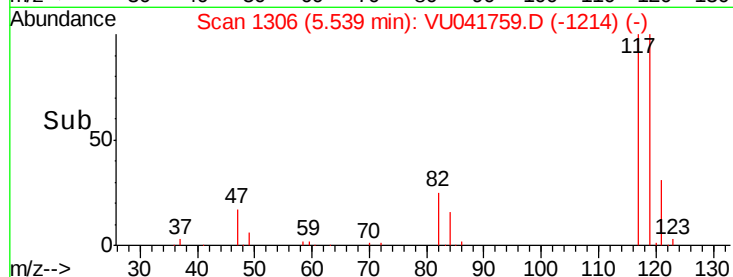
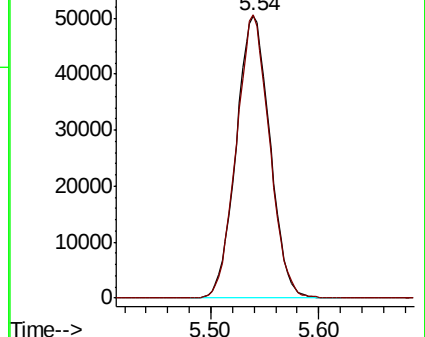
117 100

119 98.2 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: 0.084 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Tgt Ion: 95 Resp: 812

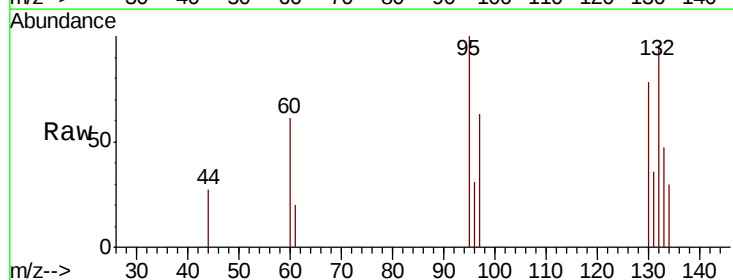
Ion Ratio Lower Upper

95 100

97 62.6 43.9 81.5

132 95.8 63.1 117.3

130 78.1 67.4 125.2

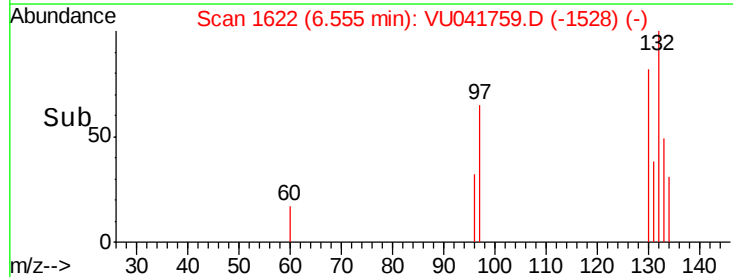
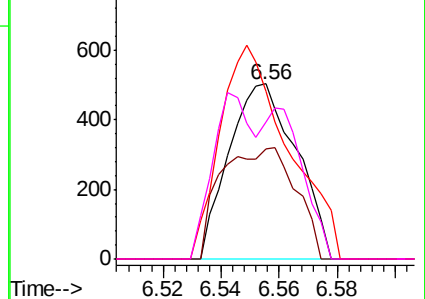


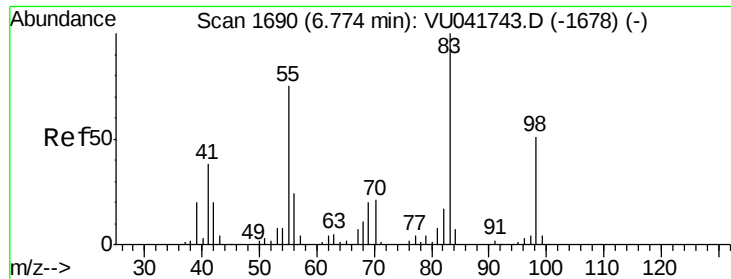
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

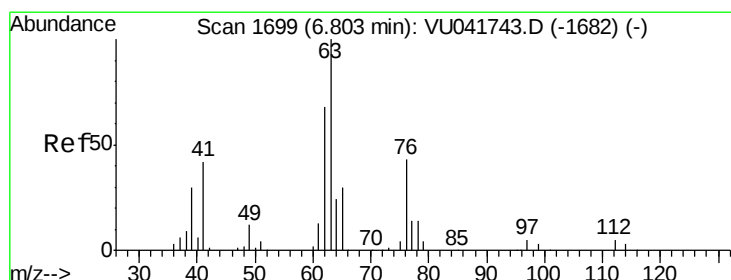
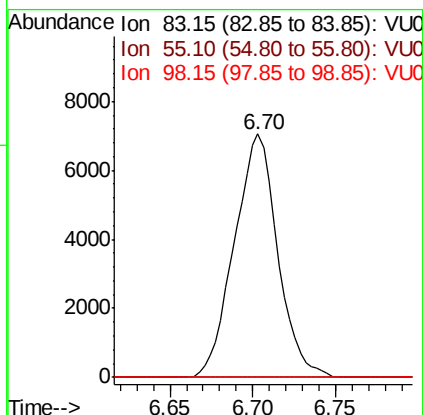
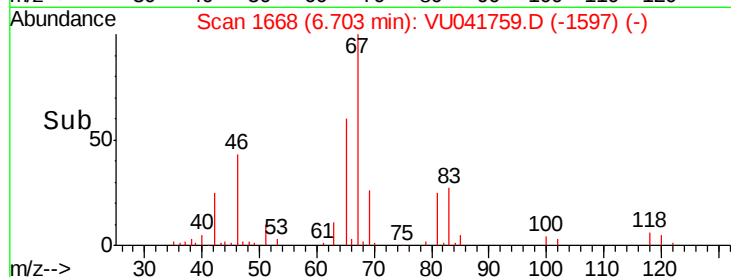
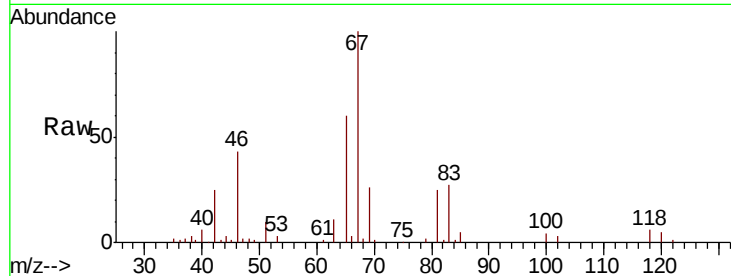




#35
Methvlcvclohexane
Concen: 0.824 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041759.D
Acq: 22 Dec 2020 22:24

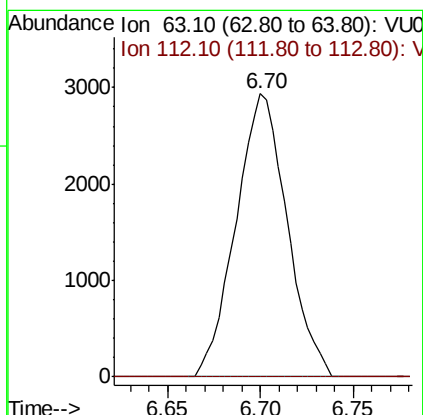
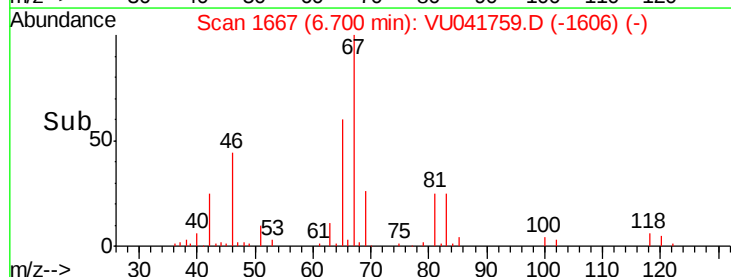
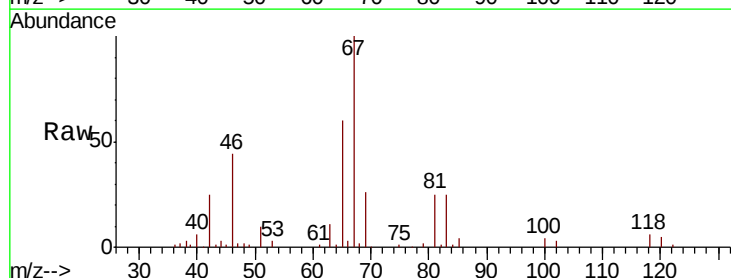
Instrument :
MSVOA_U
ClientSampleId :
GB241

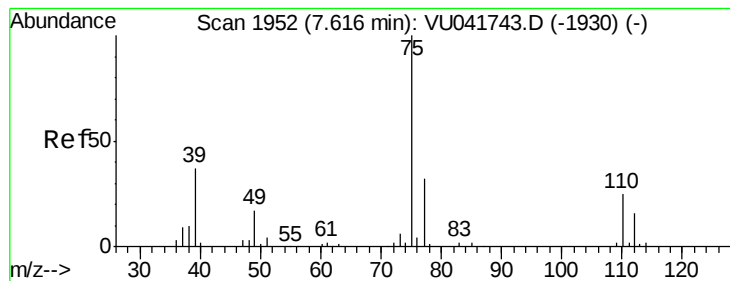
Tot Ion: 83 Resp: 12822
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.9 36.6 54.8#



#37
1,2-Dichloropropane
Concen: 0.575 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041759.D
Acq: 22 Dec 2020 22:24

Tgt Ion: 63 Resp: 5633
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



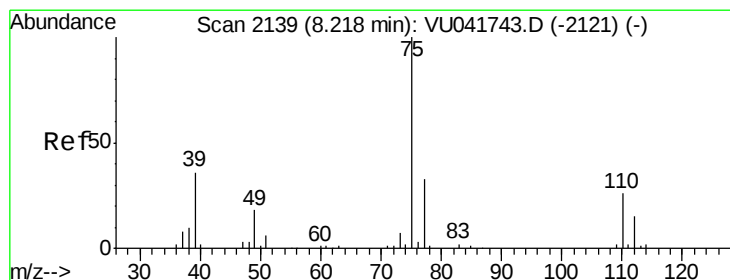
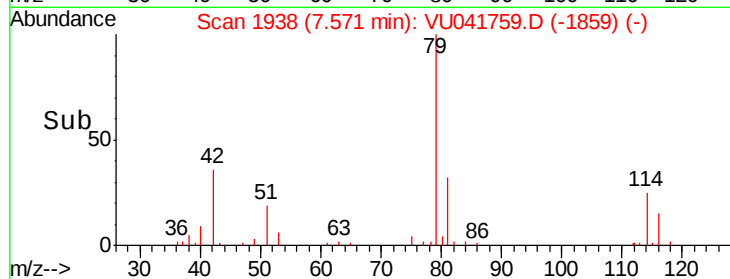
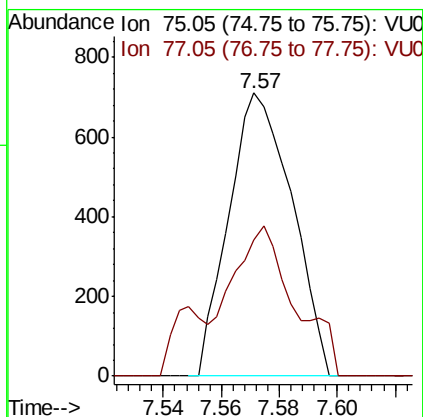
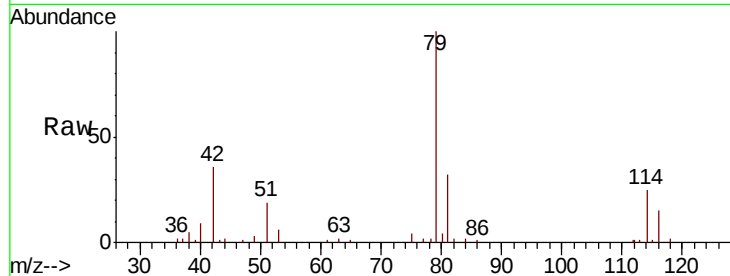


#39

cis-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041759.D
Acq: 22 Dec 2020 22:24

Instrument :
MSVOA_U
ClientSampleId :
GB241

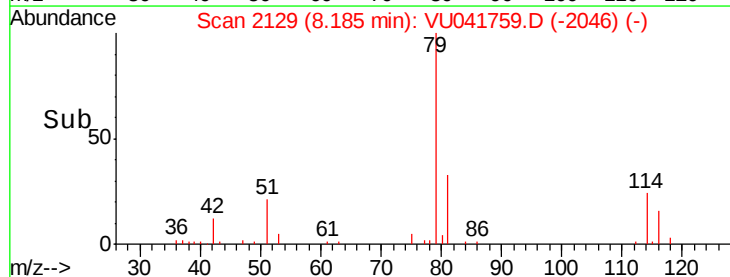
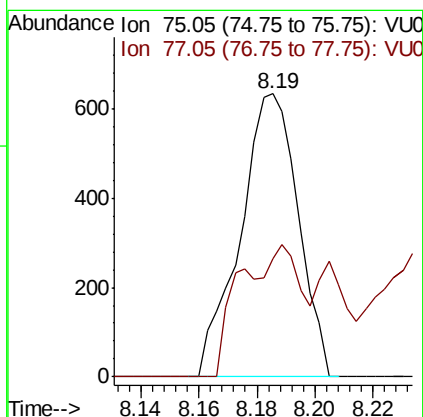
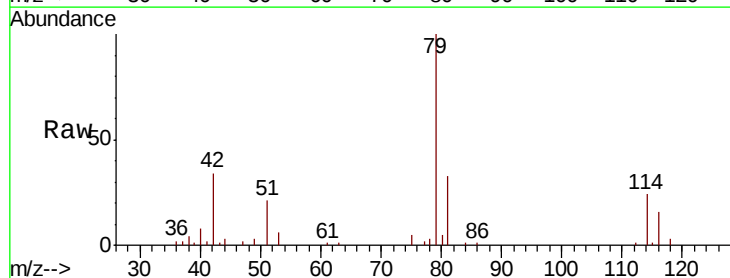
Tot Ion: 75 Resp: 1075
Ion Ratio Lower Upper
75 100
77 48.3 22.3 41.3#

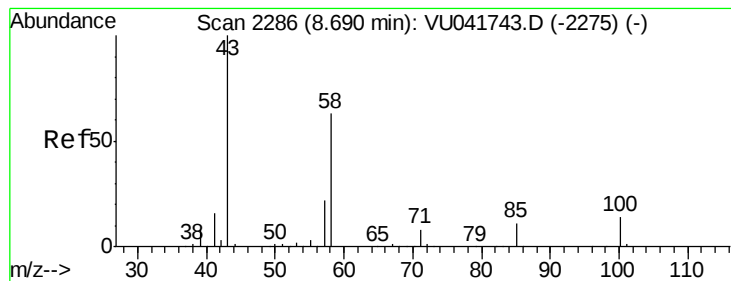


#44

trans-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041759.D
Acq: 22 Dec 2020 22:24

Tgt Ion: 75 Resp: 880
Ion Ratio Lower Upper
75 100
77 41.7 23.8 44.2





#48

2-Hexanone

Concen: 2.968 ug/L

RT: 8.64 min Scan# 2269

Delta R.T. -0.05 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Instrument :

MSVOA_U

ClientSampleId :

GB241

Tot Ion: 43 Resp: 15060

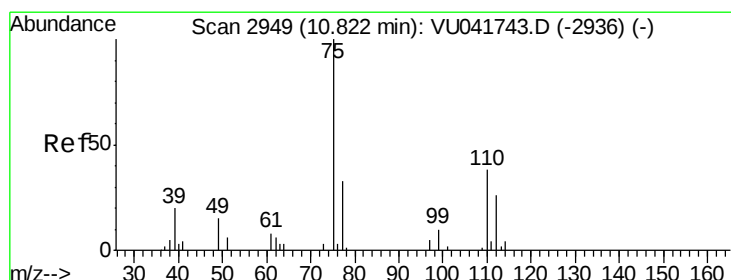
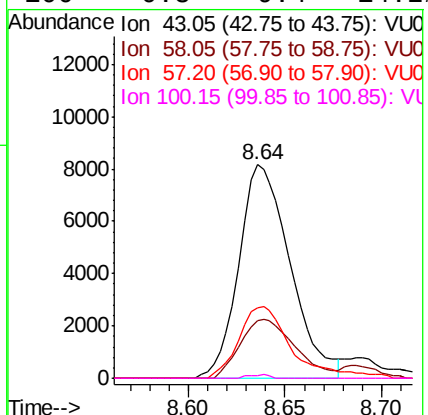
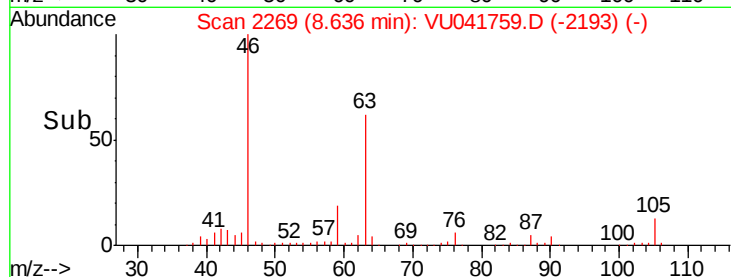
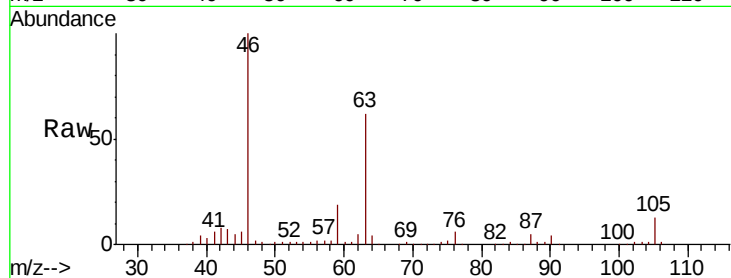
Ion Ratio Lower Upper

43 100

58 29.2 47.9 71.9#

57 34.7 16.5 24.7#

100 0.8 9.4 14.2#



#59

1,2,3-Trichloropropane

Concen: 0.794 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041759.D

Acq: 22 Dec 2020 22:24

Tgt Ion: 75 Resp: 5841

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.2

