

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041710.D
 Acq On : 21 Dec 2020 19:05
 Operator : SY/MD
 Sample : L5162-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB247

Quant Time: Dec 22 02:53:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	134440	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54385	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39983	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.92	69	39490	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	55597	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.65	46	171102	56.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.34%
24) Chloroform-d	5.08	84	87841	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	51358	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	168014	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.70	67	56741	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.90	98	142769	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.18	79	22670	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	149329	53.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54059	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	53761	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	570	0.052	ug/L	86
8) Chloroethane	1.95	64	282	0.034	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	584	0.063	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	504	0.055	ug/L #	1
13) Acetone	2.66	43	74386	38.735	ug/L	98
15) Methyl Acetate	2.87	43	18613	3.728	ug/L #	51
21) 2-Butanone	4.74	43	3596	1.150	ug/L	76
25) Chloroform	5.11	83	1979	0.111	ug/L #	75
31) Carbon tetrachloride	5.54	117	224757	17.896	ug/L	99
35) Methylcyclohexane	6.70	83	12462	0.758	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5831	0.564	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1612	0.105	ug/L #	62
44) trans-1,3-Dichloropropene	8.19	75	1019	0.074	ug/L #	49
47) Tetrachloroethene	8.55	164	895	0.126	ug/L	77
48) 2-Hexanone	8.68	43	2616	0.488	ug/L #	82
49) Dibromochloromethane	8.56	129	857	0.098	ug/L #	10
51) Chlorobenzene	9.45	112	1297	0.050	ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration

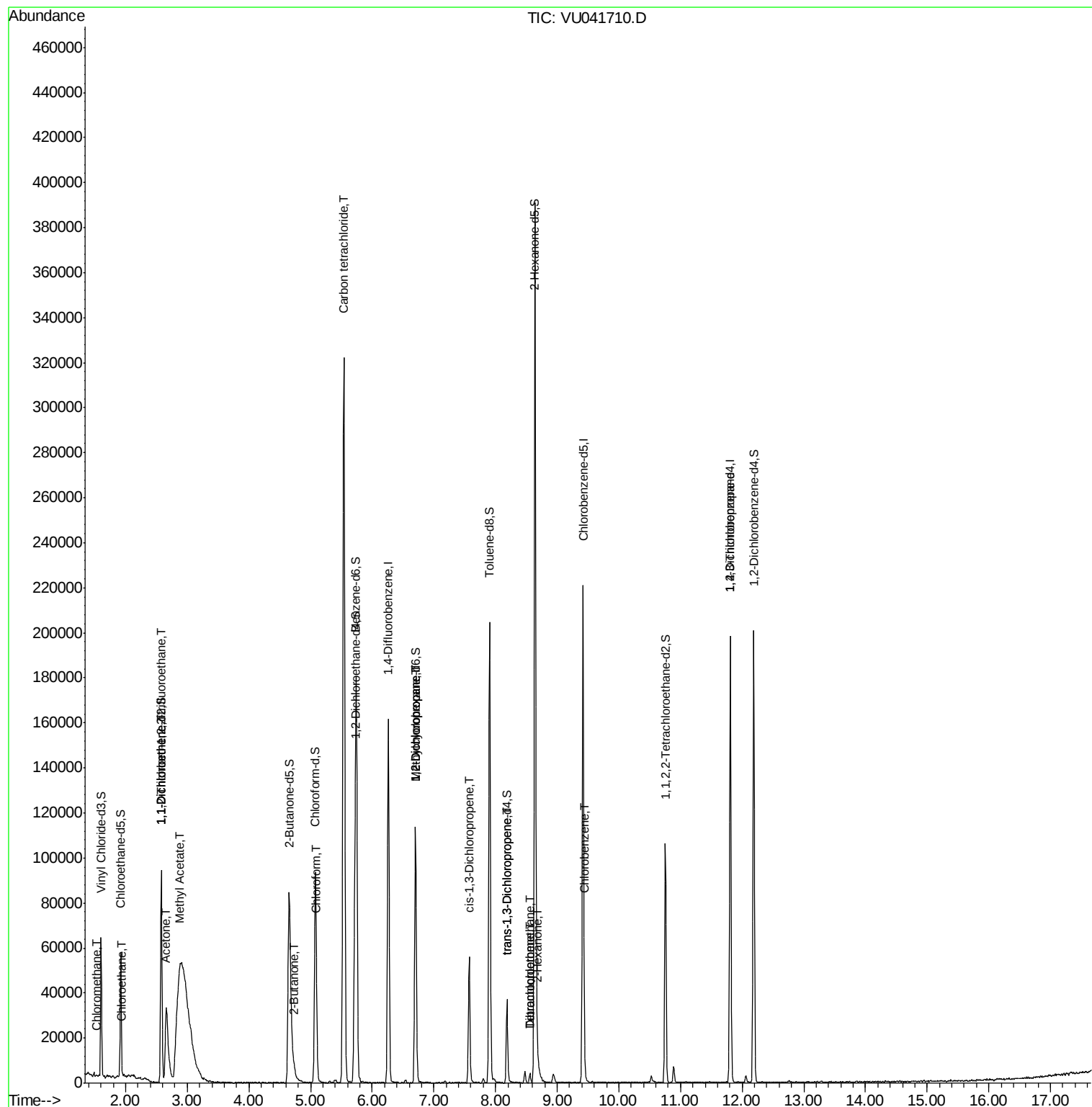
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	5609	0.722	ug/L	91

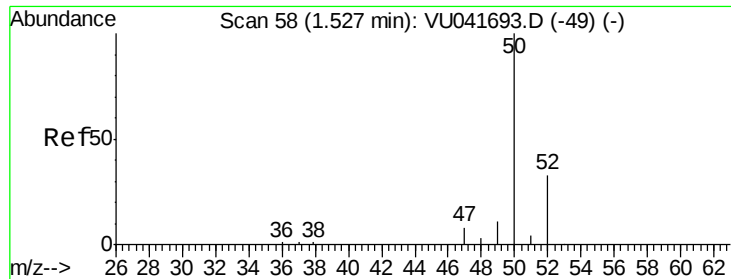
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041710.D
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#3

Chloromethane

Concen: 0.052 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041710.D

Acq: 21 Dec 2020 19:05

Instrument :

MSVOA_U

ClientSampled :

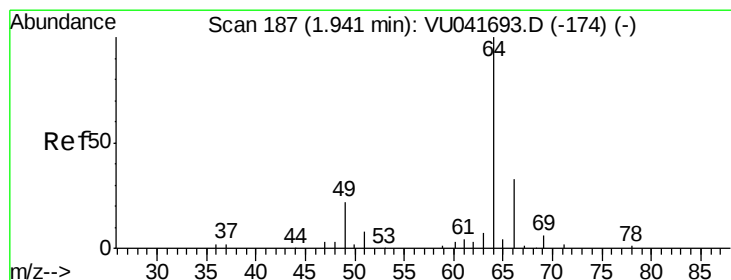
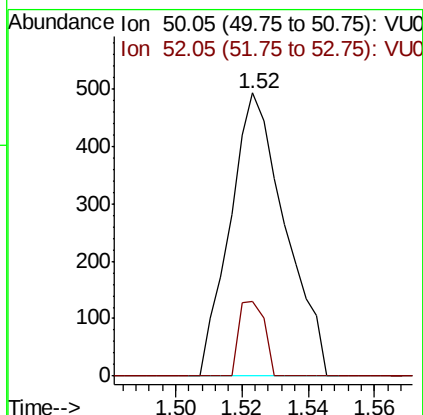
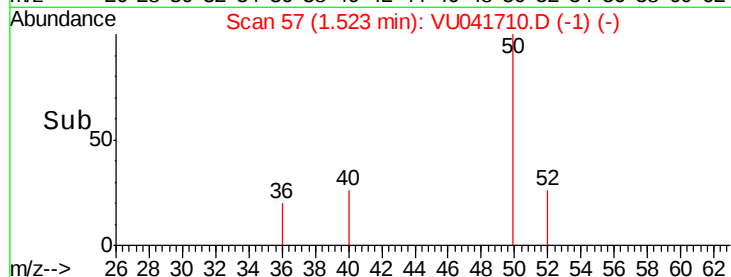
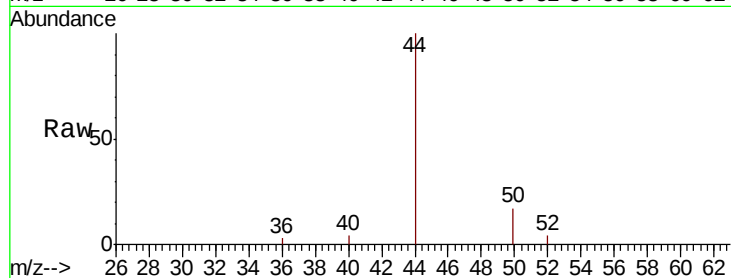
GB247

Tot Ion: 50 Resp: 570

Ion Ratio Lower Upper

50 100

52 26.4 24.1 44.8



#8

Chloroethane

Concen: 0.034 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041710.D

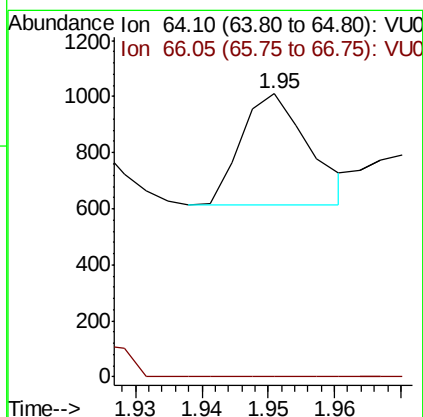
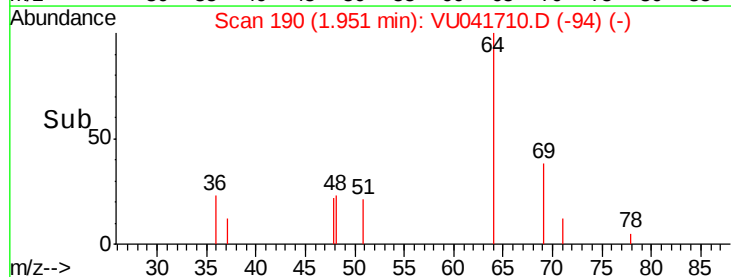
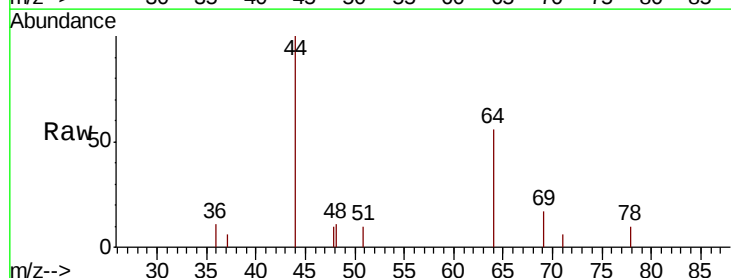
Acq: 21 Dec 2020 19:05

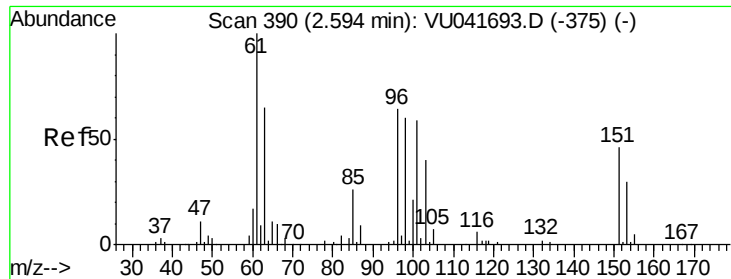
Tgt Ion: 64 Resp: 282

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#





#10

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

Concen: 0.063 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041710.D

Acq: 21 Dec 2020 19:05

Instrument :

MSVOA_U

ClientSampled :

GB247

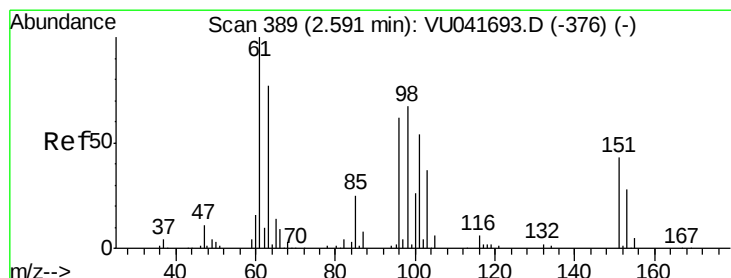
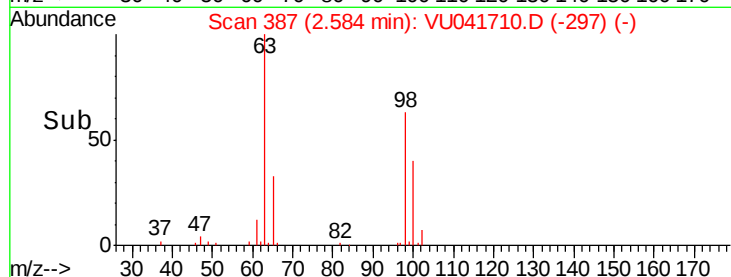
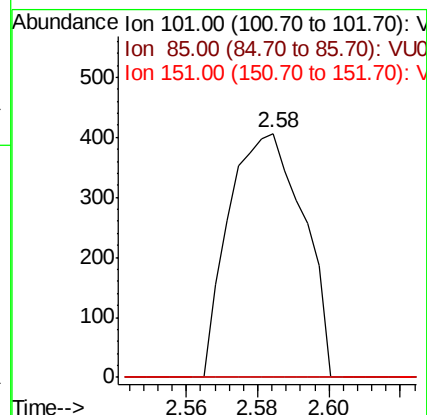
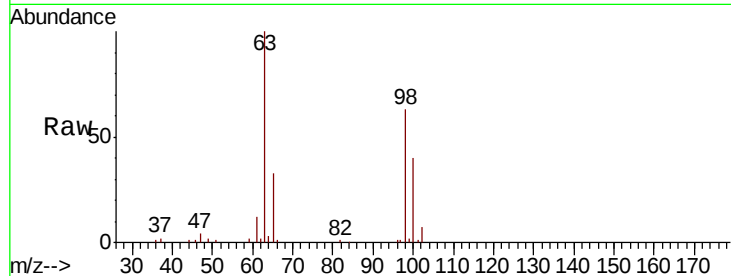
Tot Ion:101 Resp: 584

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#12

1,1-Dichloroethene

Concen: 0.055 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041710.D

Acq: 21 Dec 2020 19:05

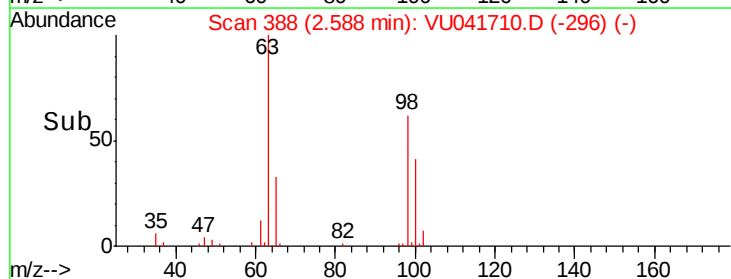
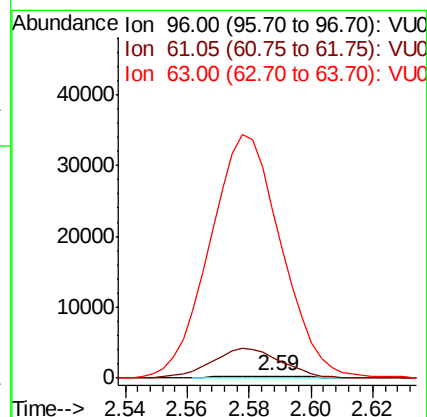
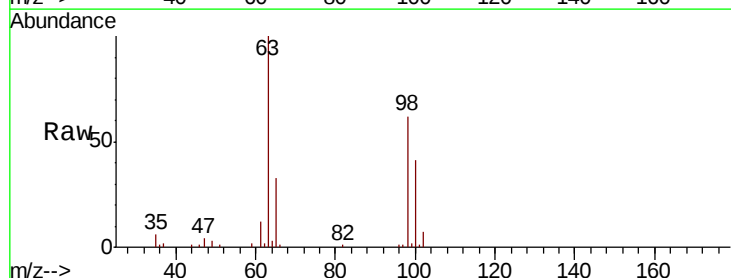
Tgt Ion: 96 Resp: 504

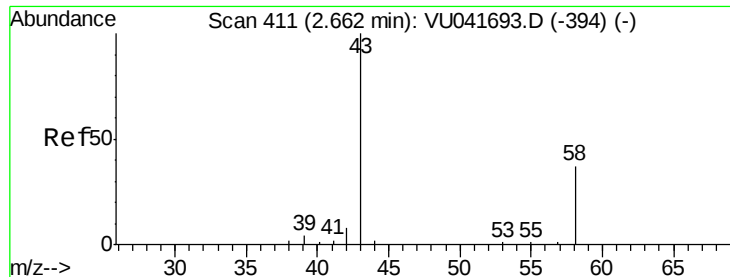
Ion Ratio Lower Upper

96 100

61 1076.0 123.8 230.0#

63 8659.5 81.0 150.4#





#13

Acetone

Concen: 38.735 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041710.D

Acq: 21 Dec 2020 19:05

Instrument :

MSVOA_U

ClientSampleId :

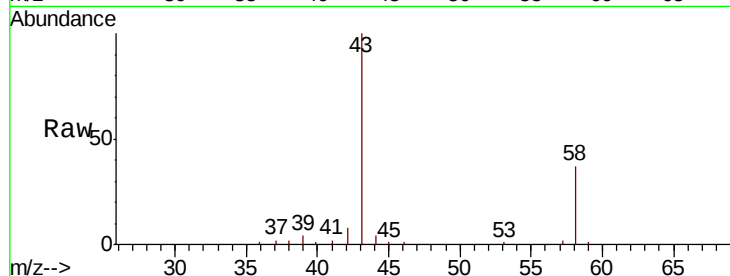
GB247

Tot Ion: 43 Resp: 74386

Ion Ratio Lower Upper

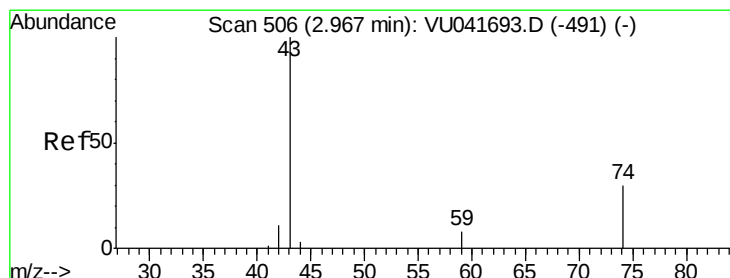
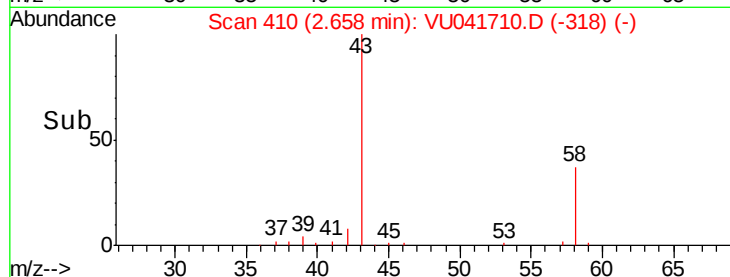
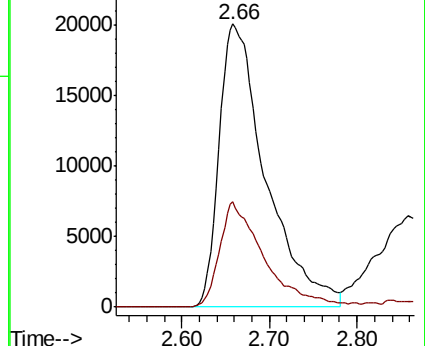
43 100

58 35.5 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 3.728 ug/L

RT: 2.87 min Scan# 476

Delta R.T. -0.10 min

Lab File: VU041710.D

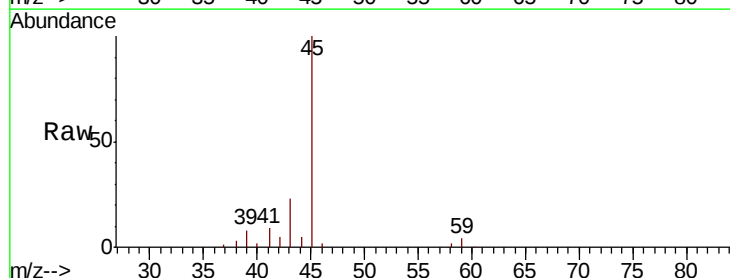
Acq: 21 Dec 2020 19:05

Tgt Ion: 43 Resp: 18613

Ion Ratio Lower Upper

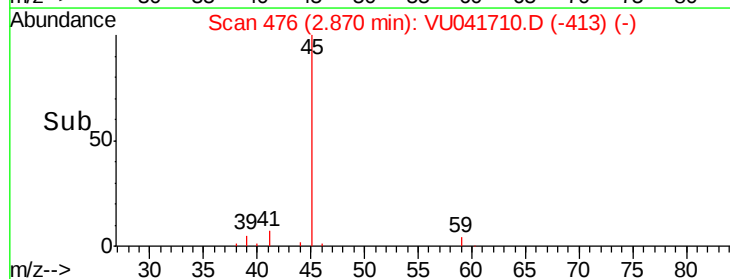
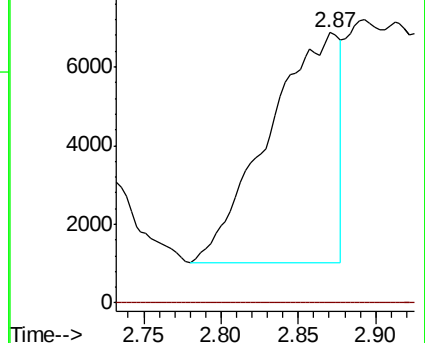
43 100

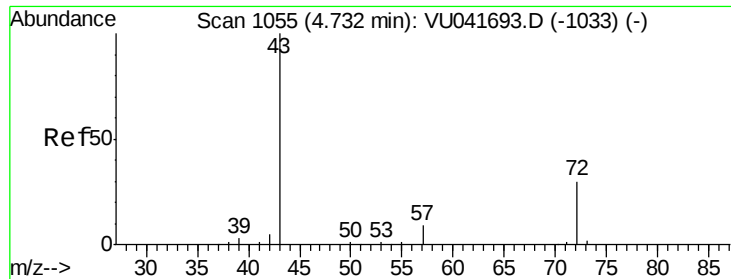
74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#21

2-Butanone

Concen: 1.150 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU041710.D

Acq: 21 Dec 2020 19:05

Instrument :

MSVOA_U

ClientSampleId :

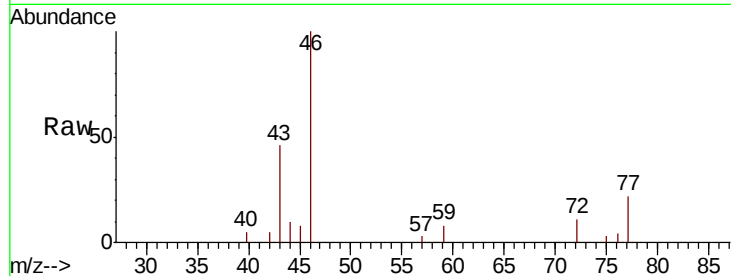
GB247

Tot Ion: 43 Resp: 3596

Ion Ratio Lower Upper

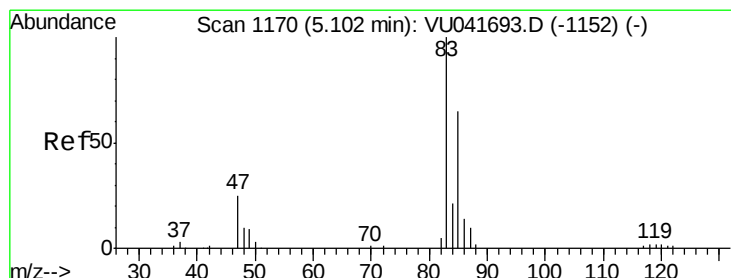
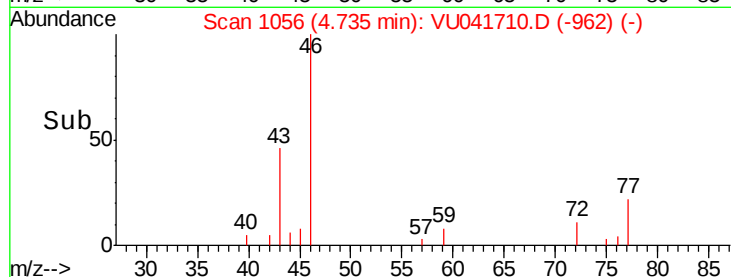
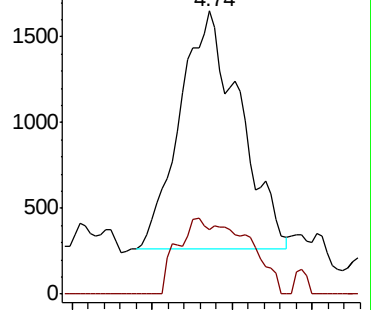
43 100

72 16.4 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU041710.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU041710.D (-962) (-)



#25

Chloroform

Concen: 0.111 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041710.D

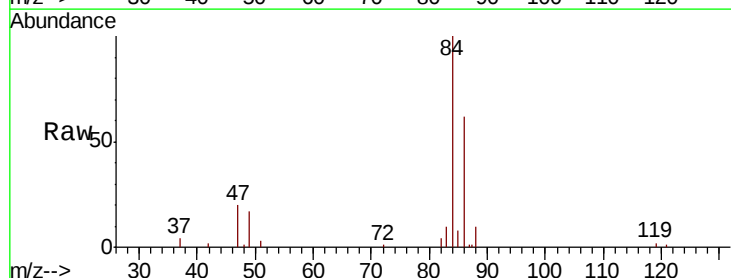
Acq: 21 Dec 2020 19:05

Tgt Ion: 83 Resp: 1979

Ion Ratio Lower Upper

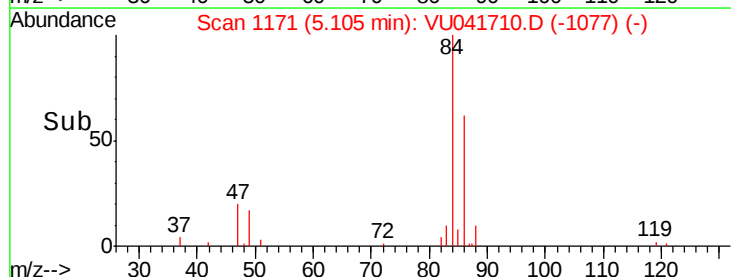
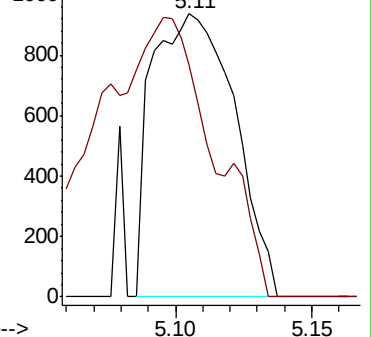
83 100

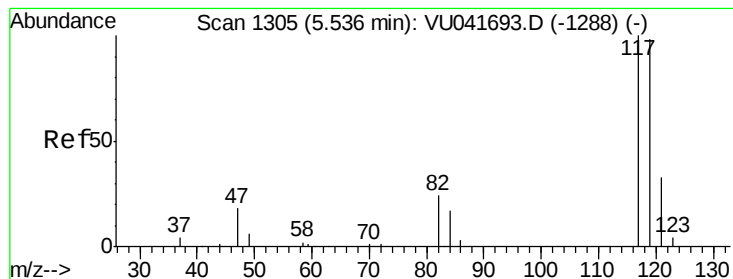
85 82.2 44.2 82.0#



Abundance Ion 83.05 (82.75 to 83.75): VU041710.D (-1077) (-)

Ion 85.00 (84.70 to 85.70): VU041710.D (-1077) (-)





#31

Carbon tetrachloride

Concen: 17.896 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041710.D

Acq: 21 Dec 2020 19:05

Instrument :

MSVOA_U

ClientSampleId :

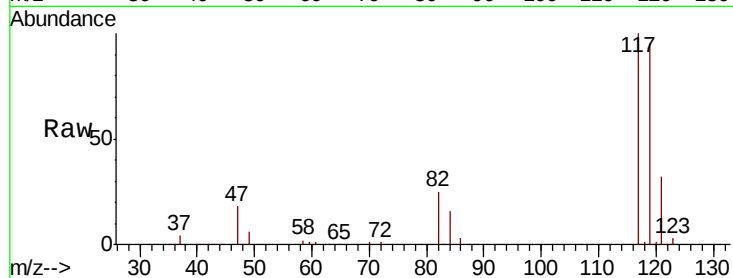
GB247

Tot Ion:117 Resp: 224757

Ion Ratio Lower Upper

117 100

119 96.3 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

120000

100000

80000

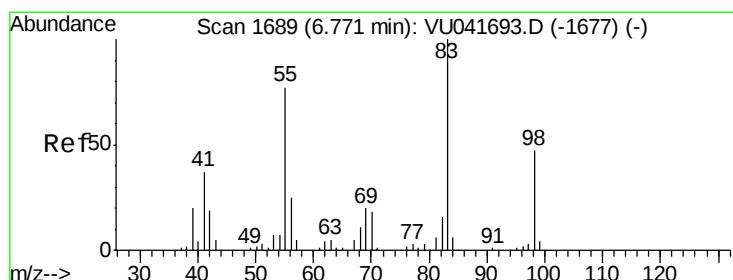
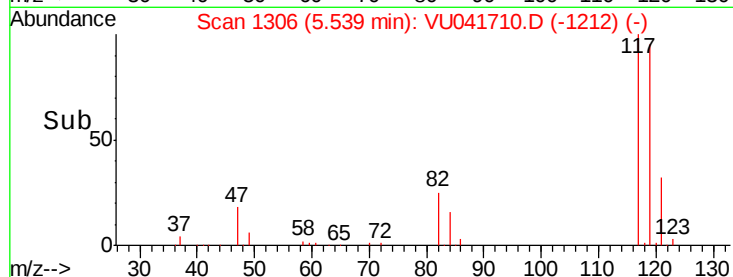
60000

40000

20000

0

Time-->



#35

Methylcyclohexane

Concen: 0.758 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041710.D

Acq: 21 Dec 2020 19:05

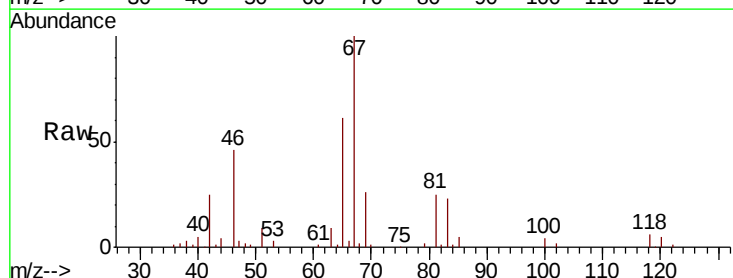
Tgt Ion: 83 Resp: 12462

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 0.5 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

8000

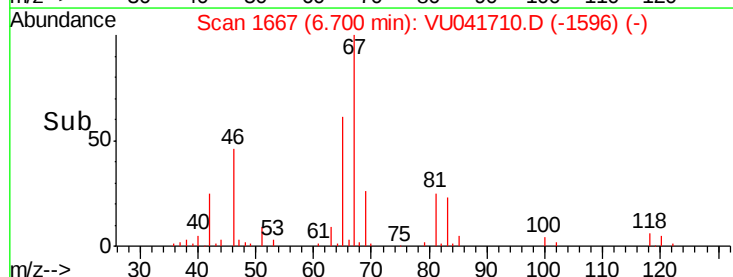
6000

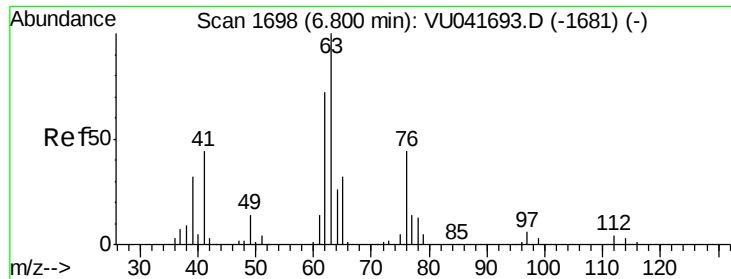
4000

2000

0

Time-->

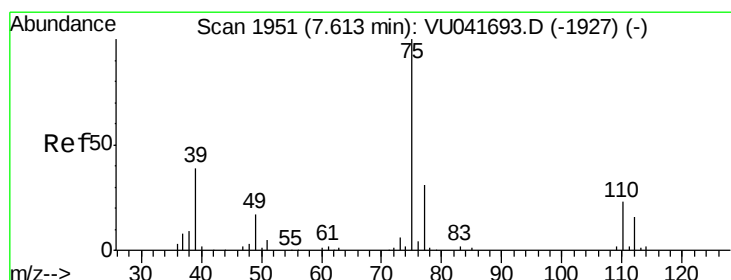
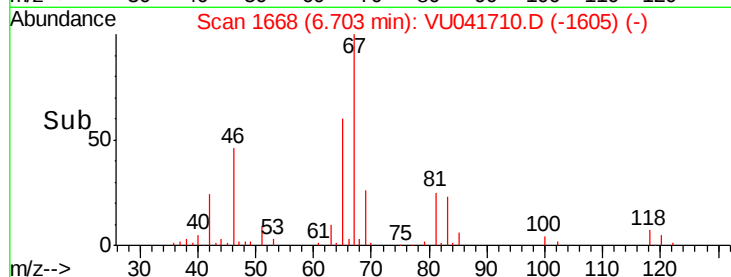
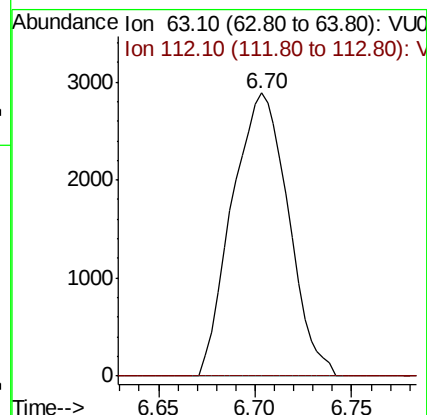
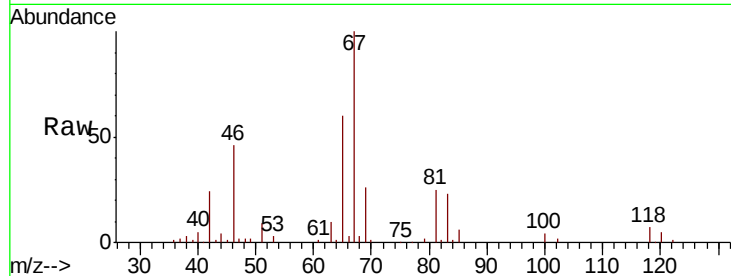




#37
 1,2-Dichloropropane
 Concen: 0.564 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041710.D
 Acq: 21 Dec 2020 19:05

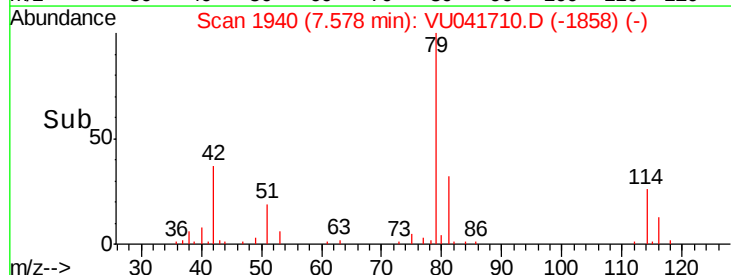
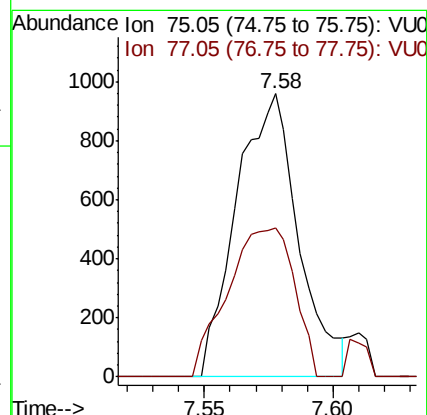
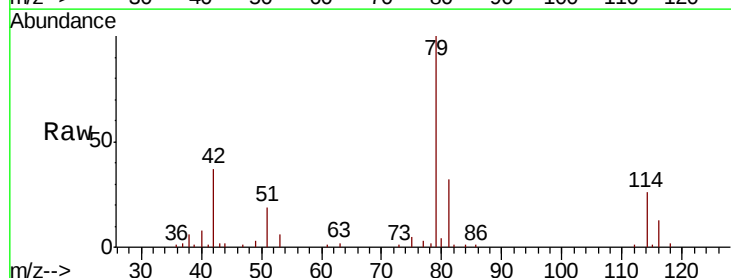
Instrument :
 MSVOA_U
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 GB247

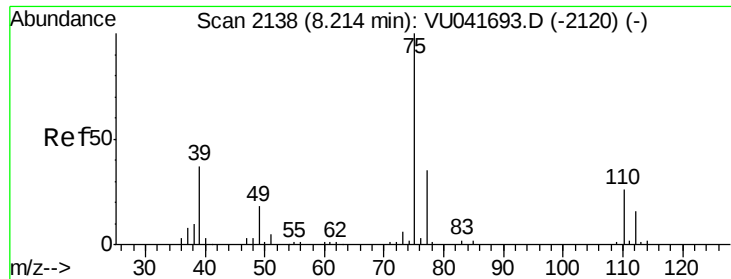
Tot Ion: 63 Resp: 5831
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041710.D
 Acq: 21 Dec 2020 19:05

Tgt Ion: 75 Resp: 1612
 Ion Ratio Lower Upper
 75 100
 77 52.8 22.3 41.3#

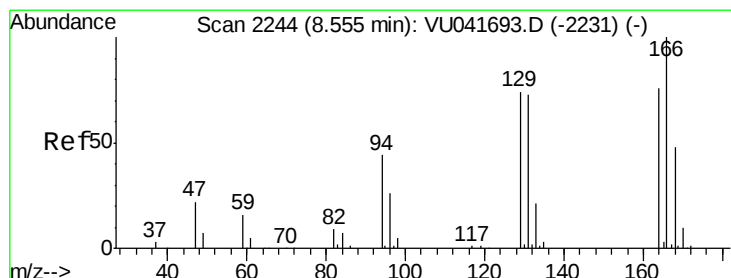
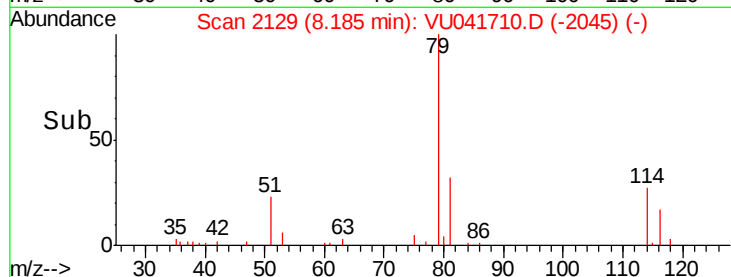
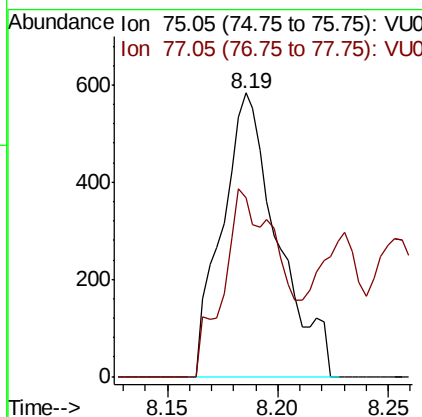
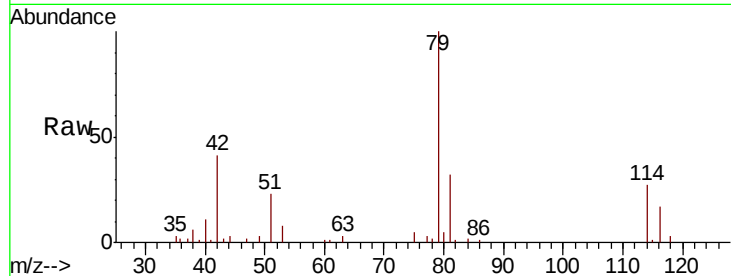




#44
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041710.D
Acq: 21 Dec 2020 19:05

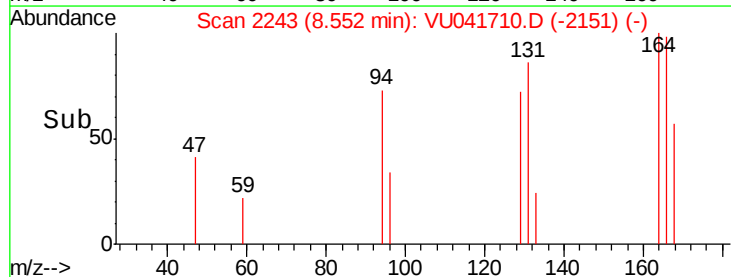
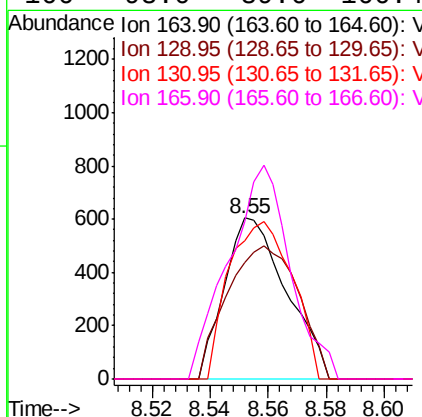
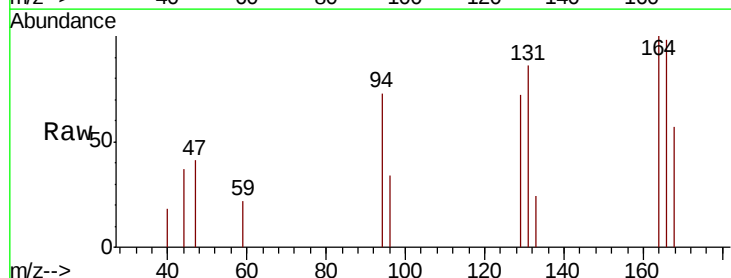
Instrument :
MSVOA_U
ClientSampleId :
GB247

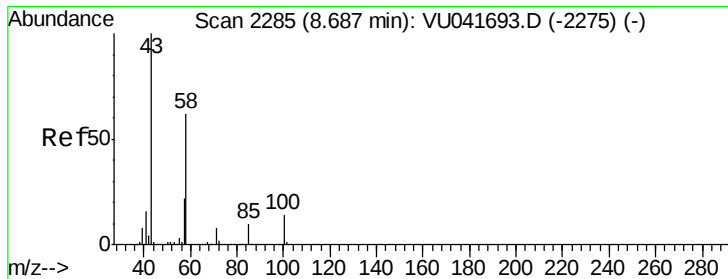
Tot Ion: 75 Resp: 1019
Ion Ratio Lower Upper
75 100
77 63.1 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.126 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.00 min
Lab File: VU041710.D
Acq: 21 Dec 2020 19:05

Tgt Ion:164 Resp: 895
Ion Ratio Lower Upper
164 100
129 72.2 72.2 134.0
131 85.9 66.9 124.3
166 98.0 89.6 166.4

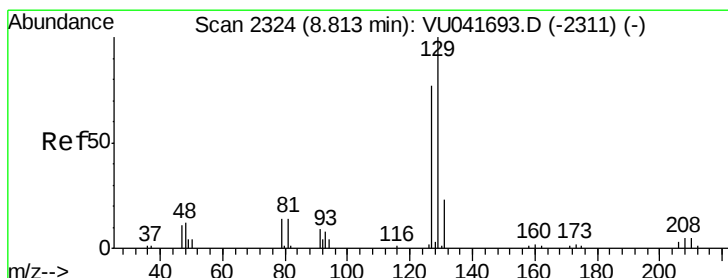
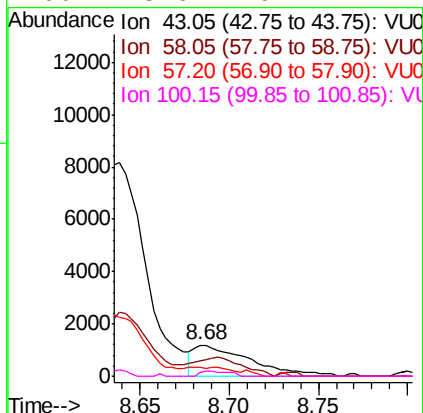
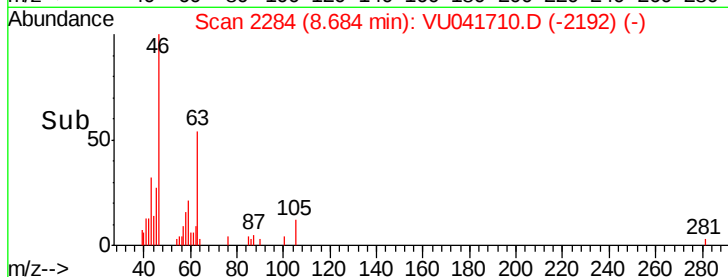
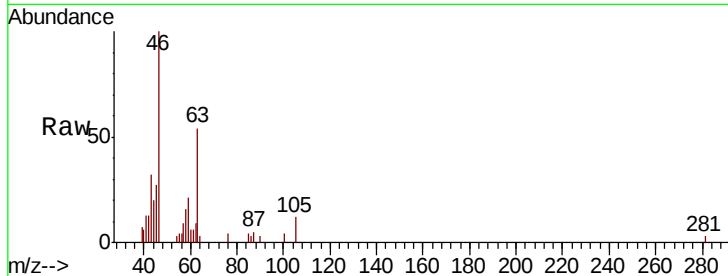




#48
2-Hexanone
Concen: 0.488 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VU041710.D
Acq: 21 Dec 2020 19:05

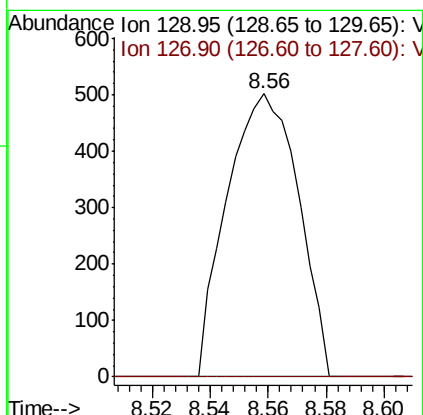
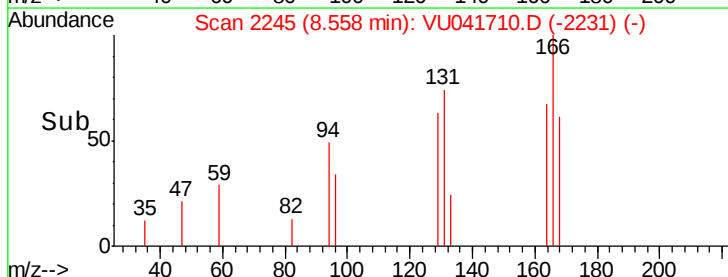
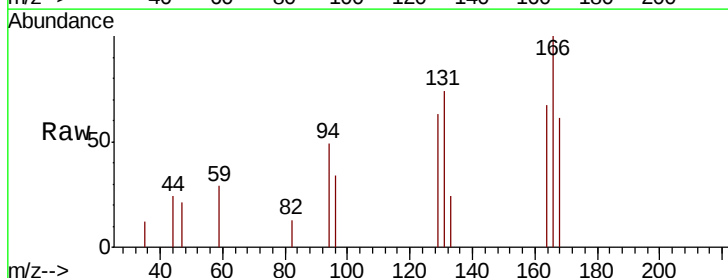
Instrument :
MSVOA_U
ClientSampleId :
GB247

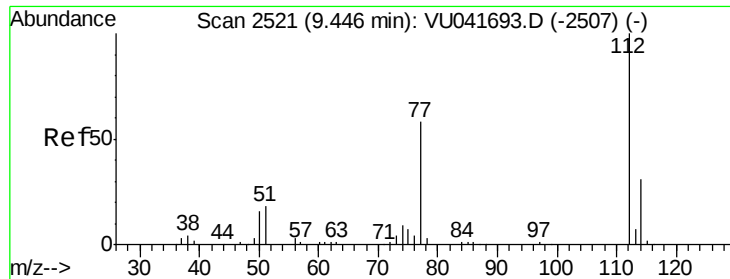
Tot Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
58 51.1 47.9 71.9
57 0.0 16.5 24.7#
100 8.6 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.098 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041710.D
Acq: 21 Dec 2020 19:05

Tgt Ion: 129 Resp: 857
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

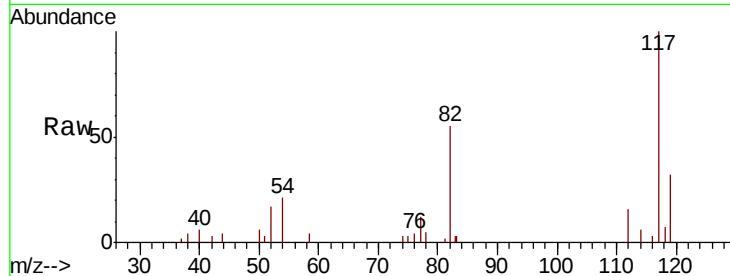




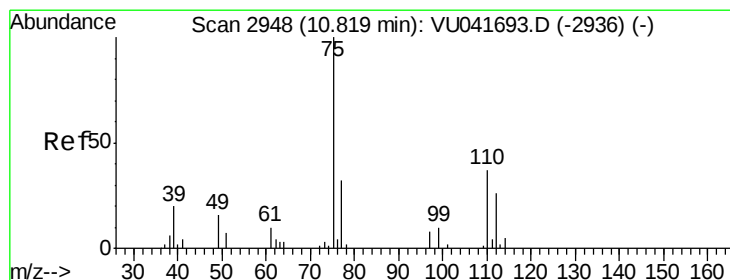
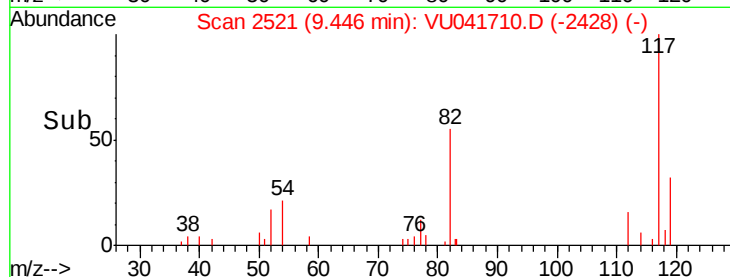
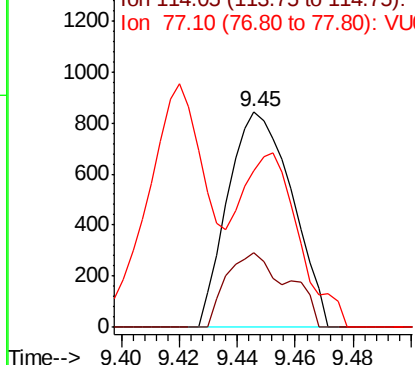
#51
Chlorobenzene
Concen: 0.050 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041710.D
Acq: 21 Dec 2020 19:05

Instrument :
MSVOA_U
ClientSampleId :
GB247

Tot Ion:112 Resp: 1297
Ion Ratio Lower Upper
112 100
114 34.4 22.7 42.3
77 72.5 49.1 73.7

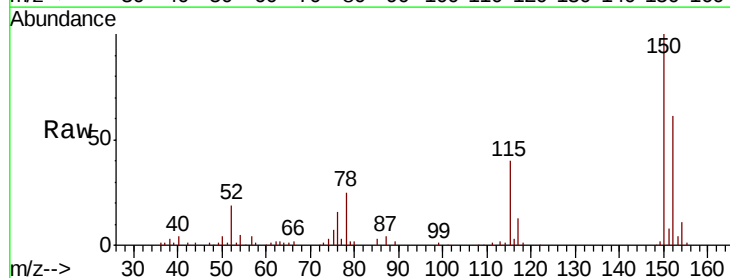


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.722 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041710.D
Acq: 21 Dec 2020 19:05

Tgt Ion: 75 Resp: 5609
Ion Ratio Lower Upper
75 100
77 38.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

