

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041701.D
 Acq On : 21 Dec 2020 15:13
 Operator : SY/MD
 Sample : L5148-03MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2MSD

Quant Time: Dec 22 02:52:08 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	126605	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59295	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45757	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.92	69	42984	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.58	63	87819	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.67	46	202499	71.22	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	142.44%#
24) Chloroform-d	5.08	84	91325	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.72	65	53965	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
32) Benzene-d6	5.74	84	177075	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	65922	5.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.60%
41) Toluene-d8	7.90	98	151204	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	8.19	79	25089	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	166971	60.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55577	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	57462	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	580	0.056	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	628	0.072	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	43545	5.070	ug/L	97
27) 1,2-Dichloroethane	5.78	62	1633	0.144	ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	1968	0.136	ug/L	94
31) Carbon tetrachloride	5.54	117	1321	0.106	ug/L #	80
33) Benzene	5.79	78	197945	4.917	ug/L	100
34) Trichloroethene	6.55	95	57038	5.638	ug/L	99
35) Methylcyclohexane	6.70	83	14906	0.912	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6896	0.670	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1334	0.087	ug/L #	41
42) Toluene	7.98	91	204027	4.909	ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	998	0.073	ug/L #	36
45) 1,1,2-Trichloroethane	8.57	97	123482	16.215	ug/L #	1
47) Tetrachloroethene	8.57	164	14537500	2052.841	ug/L	90
49) Dibromochloromethane	8.57	129	14459149	1653.038	ug/L #	10
51) Chlorobenzene	9.45	112	140416	5.435	ug/L	99

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

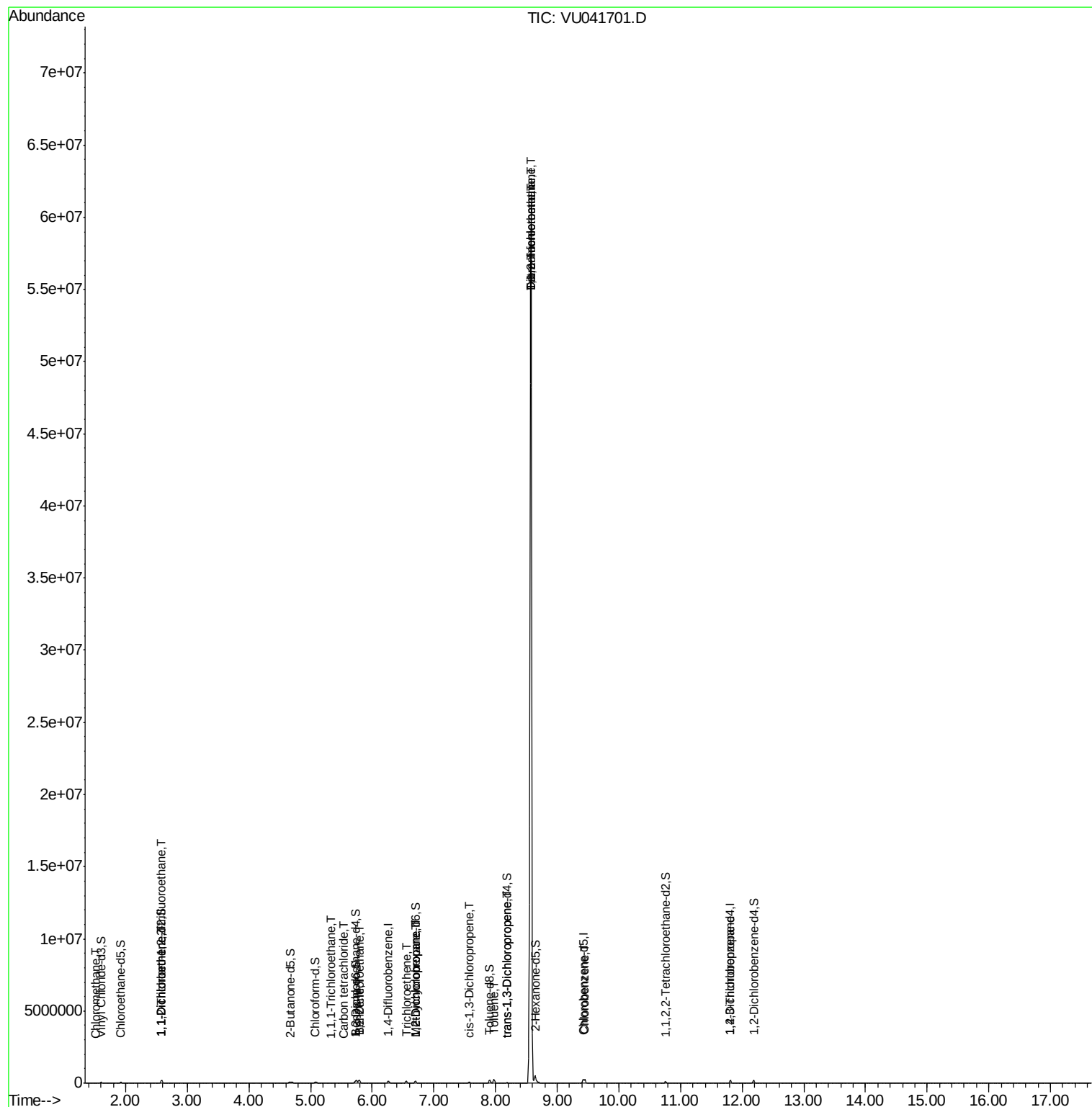
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 1,2,3-Trichloropropane	11.81	75	7077	0.915	ug/L #	42
-----	-----	-----	-----	-----	-----	-----

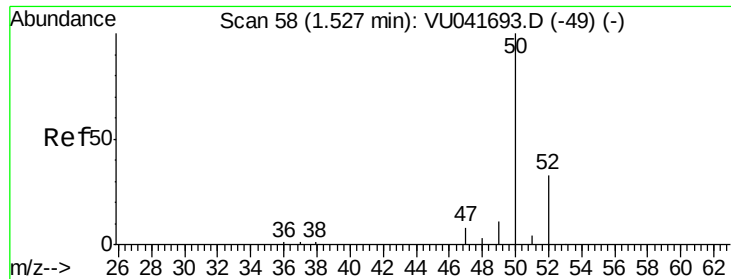
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122120\
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QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.056 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

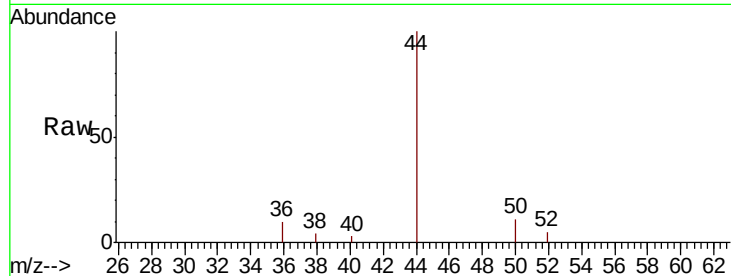
GB1T2MSD

Tot Ion: 50 Resp: 580

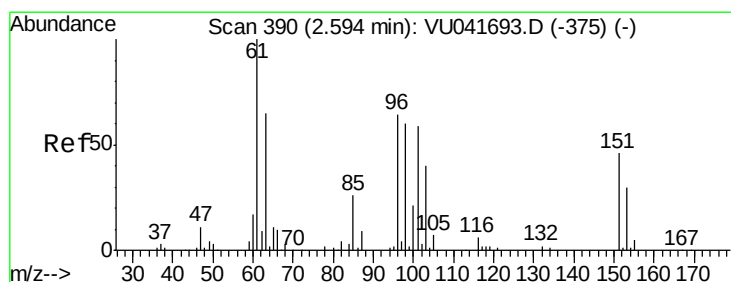
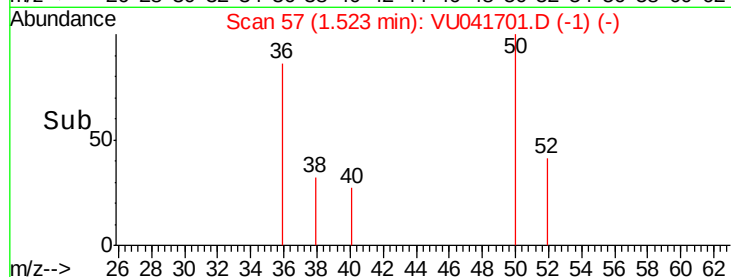
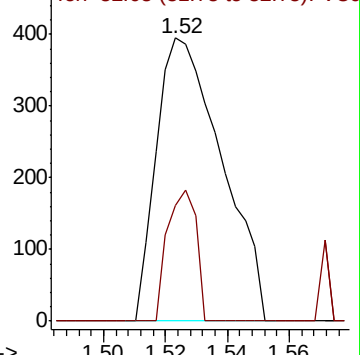
Ion Ratio Lower Upper

50 100

52 40.8 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041701.D (-1) (-)



#10

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

Concen: 0.072 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

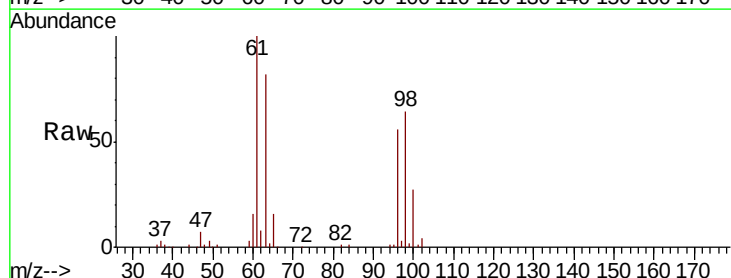
Tgt Ion: 101 Resp: 628

Ion Ratio Lower Upper

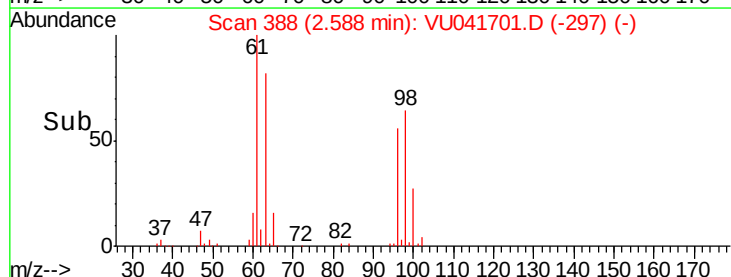
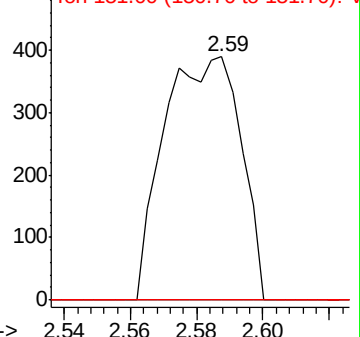
101 100

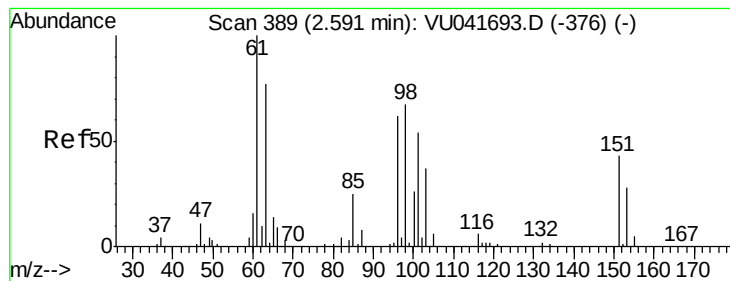
85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): VU041701.D (-297) (-)





#12

1,1-Dichloroethene

Concen: 5.070 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

GB1T2MSD

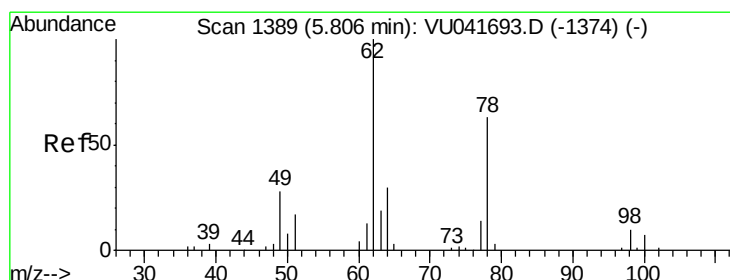
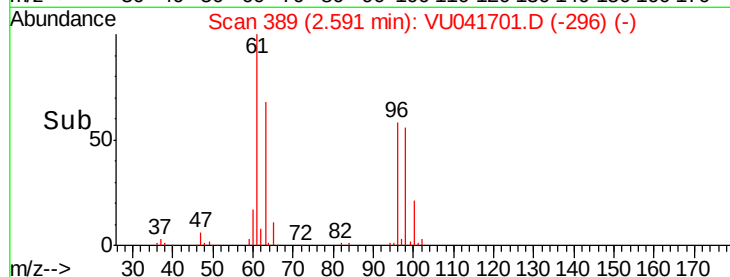
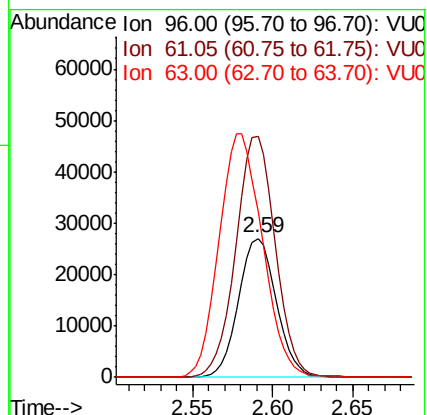
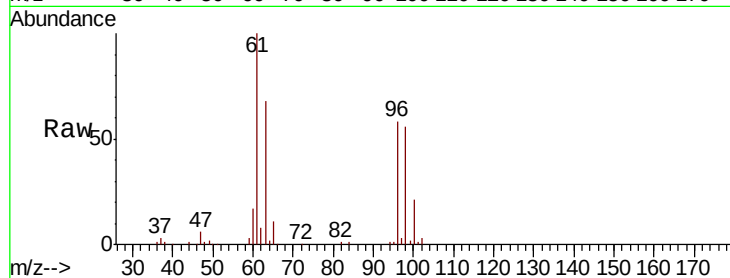
Tot Ion: 96 Resp: 43545

Ion Ratio Lower Upper

96 100

61 173.8 123.8 230.0

63 118.9 81.0 150.4



#27

1,2-Dichloroethane

Concen: 0.144 ug/L

RT: 5.78 min Scan# 1382

Delta R.T. -0.02 min

Lab File: VU041701.D

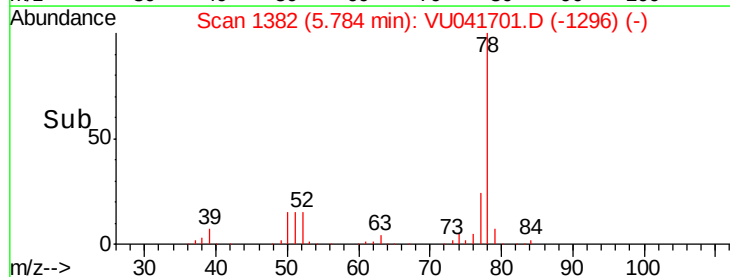
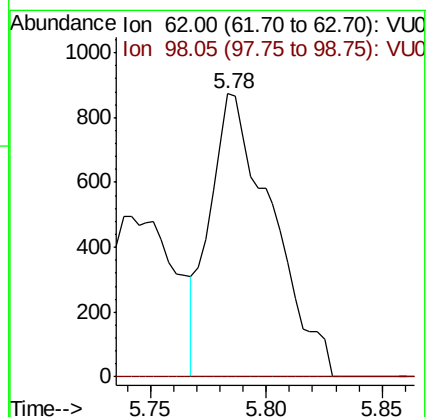
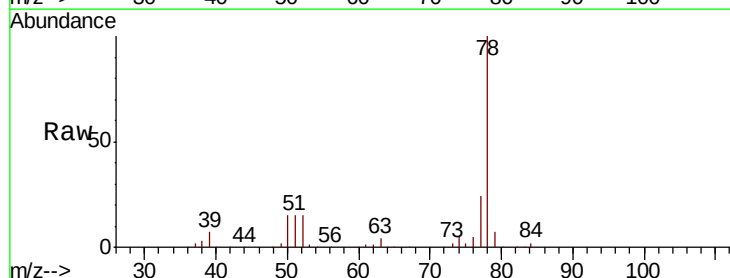
Acq: 21 Dec 2020 15:13

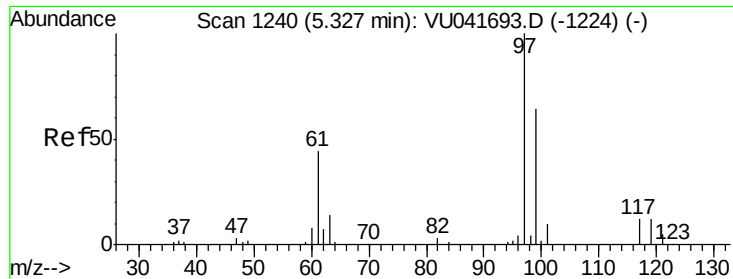
Tgt Ion: 62 Resp: 1633

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#

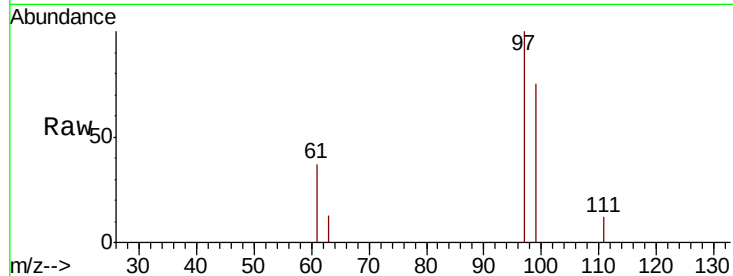




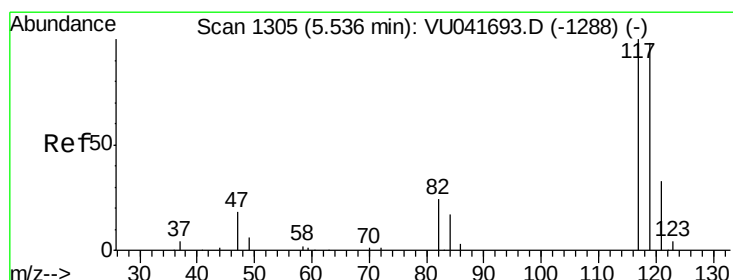
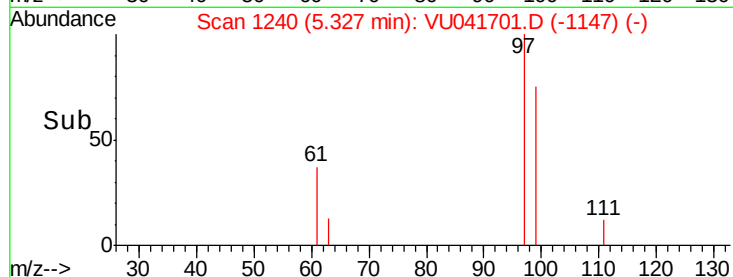
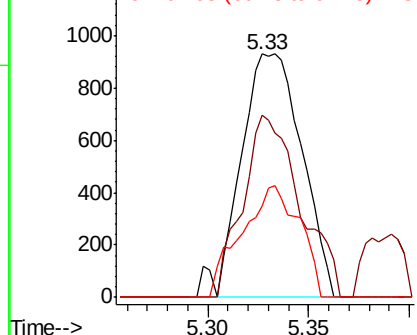
#29
 1,1,1-Trichloroethane
 Concen: 0.136 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041701.D
 Acq: 21 Dec 2020 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2MSD

Tot Ion: 97 Resp: 1968
 Ion Ratio Lower Upper
 97 100
 99 70.2 51.3 76.9
 61 43.4 36.5 54.7

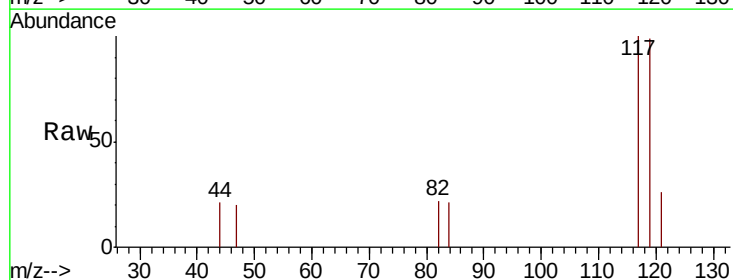


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

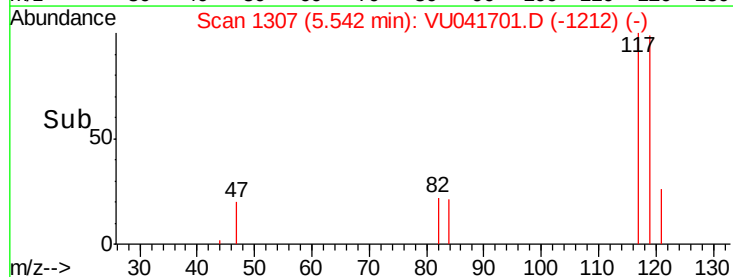
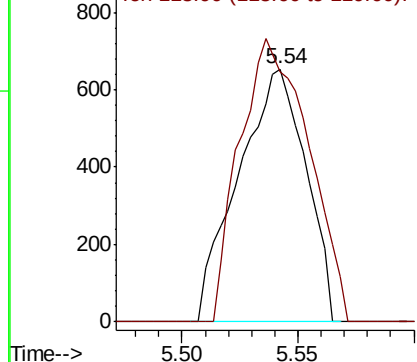


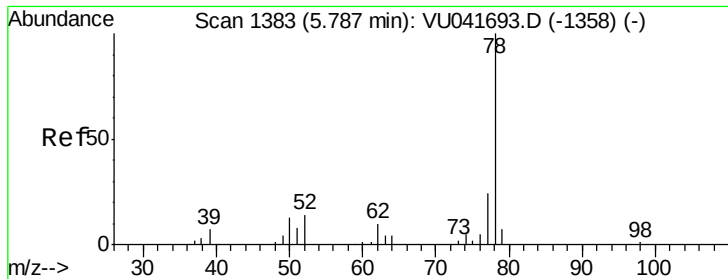
#31
 Carbon tetrachloride
 Concen: 0.106 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: VU041701.D
 Acq: 21 Dec 2020 15:13

Tgt Ion: 117 Resp: 1321
 Ion Ratio Lower Upper
 117 100
 119 114.9 76.2 114.2#



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 4.917 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

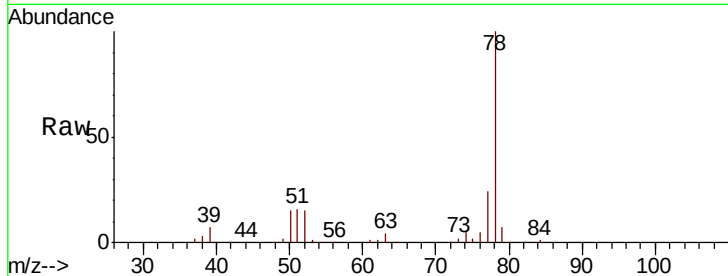
Instrument :

MSVOA_U

ClientSampled :

GB1T2MSD

Tgt Ion: 78 Resp: 197945



Abundance Ion 78.10 (77.80 to 78.80): VU0

100000

80000

60000

40000

20000

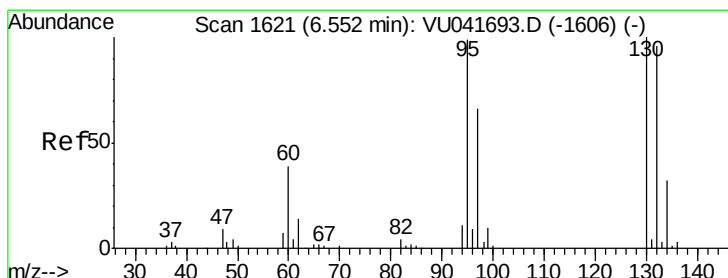
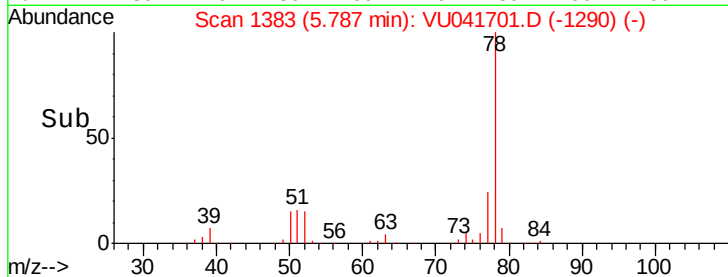
0

5.79

5.80

5.90

Time-->



#34

Trichloroethene

Concen: 5.638 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

Tgt Ion: 95 Resp: 57038

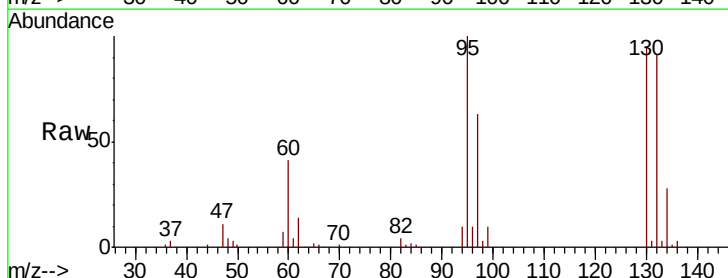
Ion Ratio Lower Upper

95 100

97 63.0 43.9 81.5

132 90.8 63.1 117.3

130 95.2 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

40000

30000

20000

10000

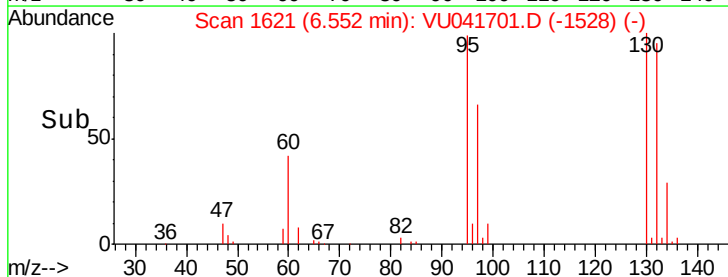
0

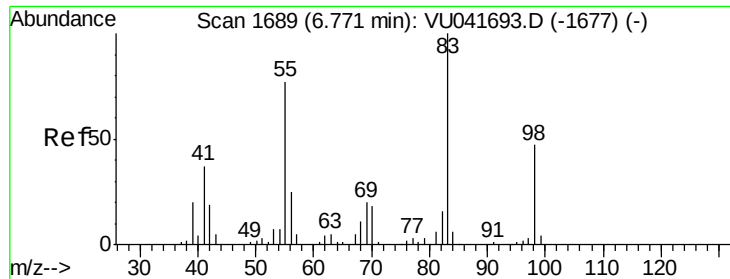
6.55

6.60

6.65

Time-->

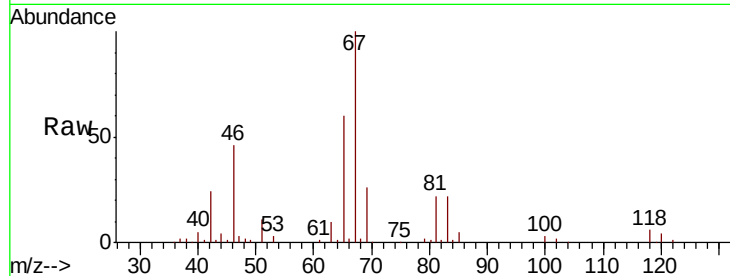




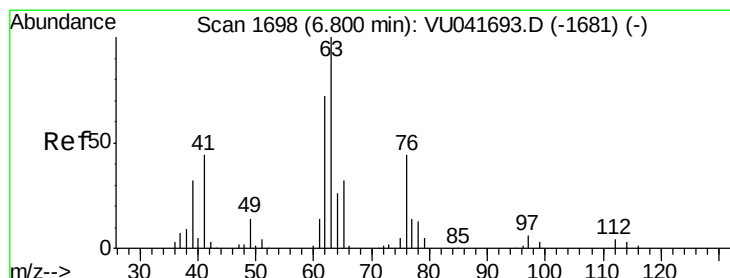
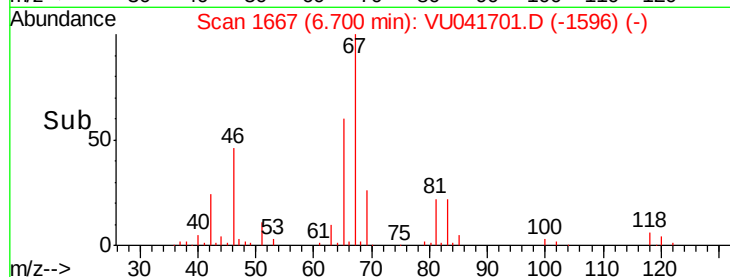
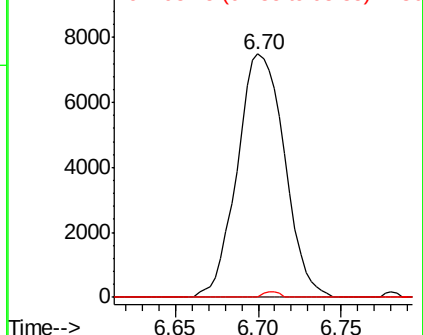
#35
Methylvlcyclohexane
Concen: 0.912 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041701.D
Acq: 21 Dec 2020 15:13

Instrument :
MSVOA_U
ClientSampleId :
GB1T2MSD

Tot Ion	83	Resp	14906
Ion Ratio	Lower	Upper	
83	100		
55	0.2	61.2	91.8#
98	0.8	36.6	54.8#

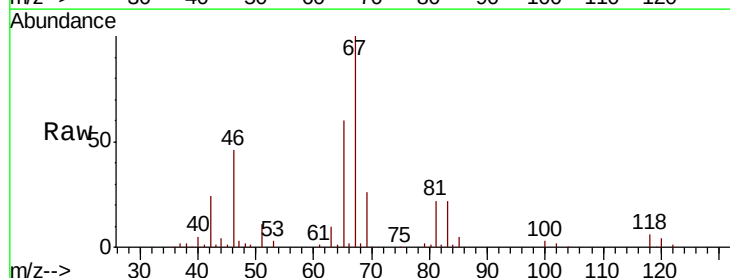


Abundance Ion 83.15 (82.85 to 83.85): VU041701.D (-1667) (-)

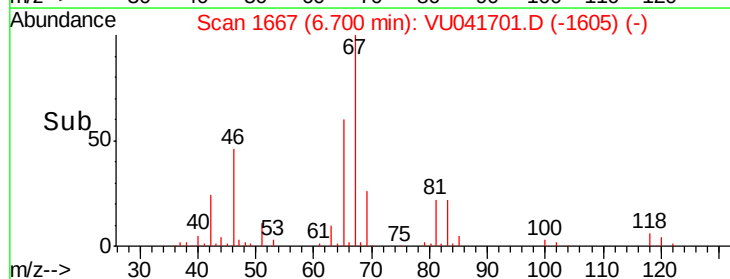
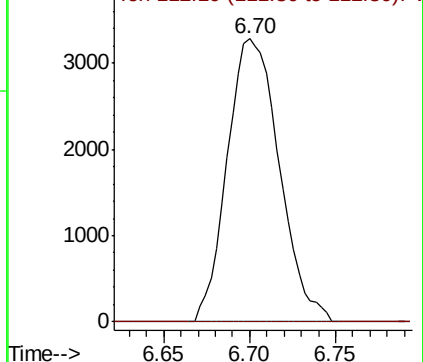


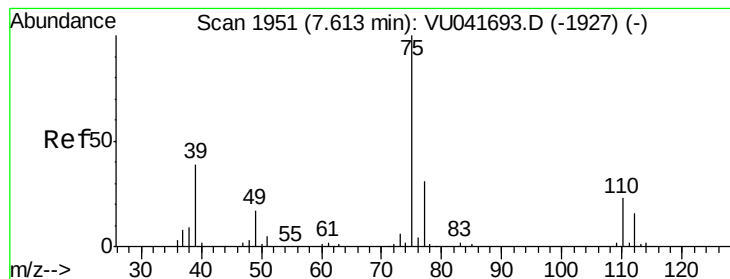
#37
1,2-Dichloropropane
Concen: 0.670 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041701.D
Acq: 21 Dec 2020 15:13

Tgt Ion	63	Resp	6896
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.1	4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041701.D (-1667) (-)



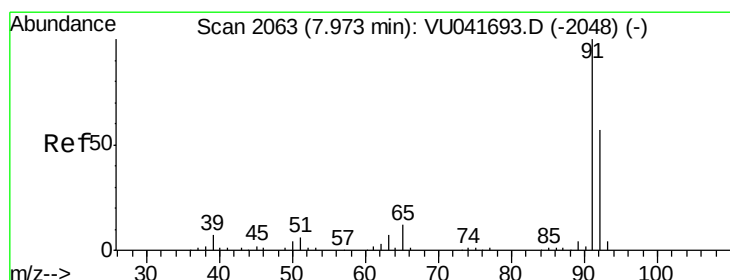
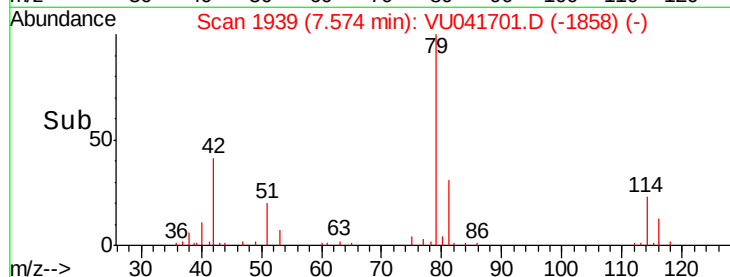
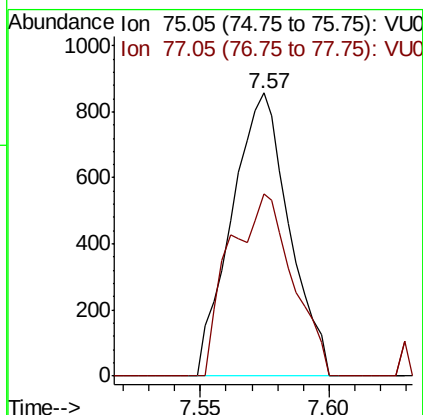
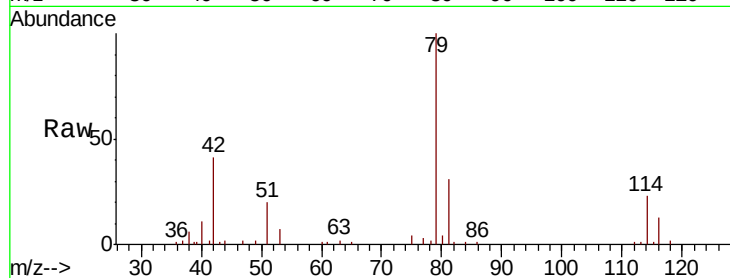


#39

cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041701.D
 Acq: 21 Dec 2020 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T2MSD

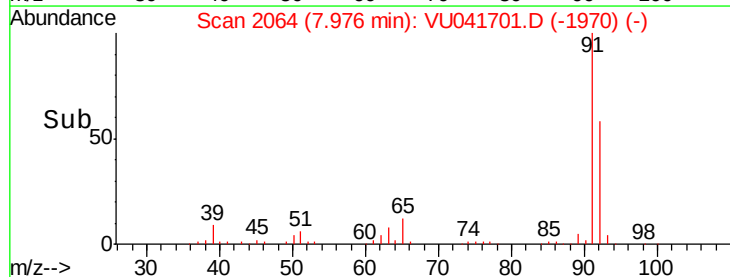
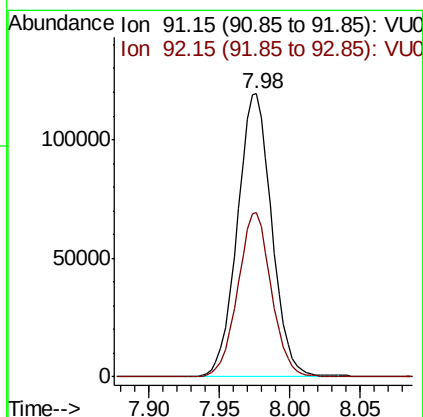
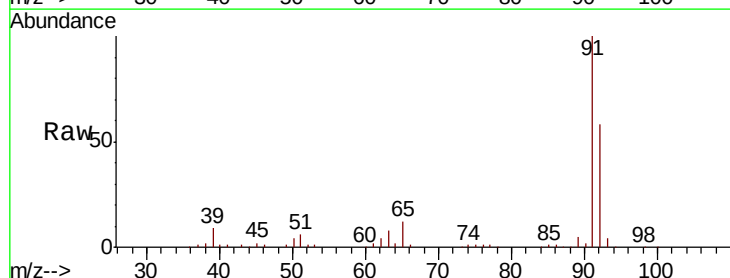
Tot Ion: 75 Resp: 1334
 Ion Ratio Lower Upper
 75 100
 77 64.4 22.3 41.3#

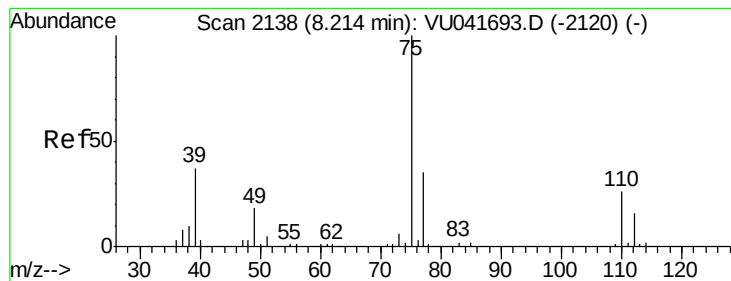


#42

Toluene
 Concen: 4.909 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041701.D
 Acq: 21 Dec 2020 15:13

Tgt Ion: 91 Resp: 204027
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.0 74.2





#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

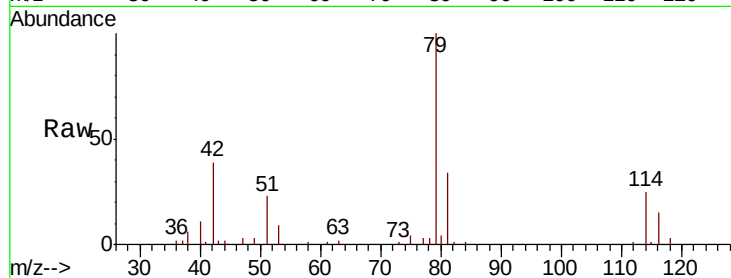
GB1T2MSD

Tot Ion: 75 Resp: 998

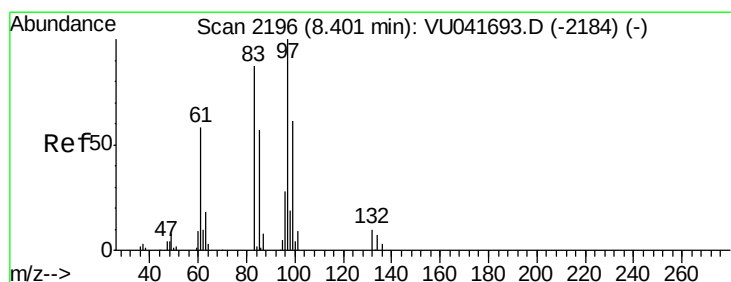
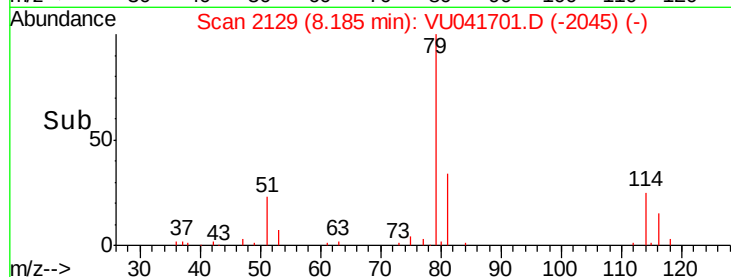
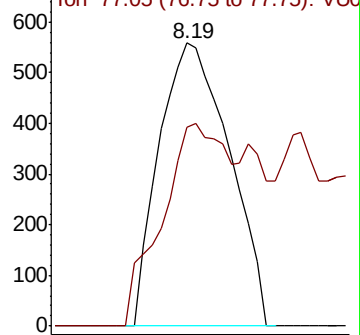
Ion Ratio Lower Upper

75 100

77 70.4 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041693.D (-2120) (-)



#45

1,1,2-Trichloroethane

Concen: 16.215 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.17 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

Tgt Ion: 97 Resp: 123482

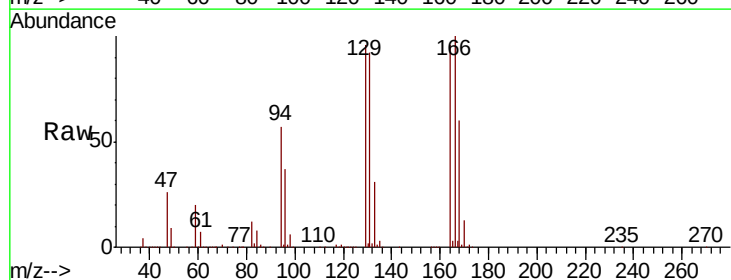
Ion Ratio Lower Upper

97 100

99 16.0 42.1 78.3#

83 265.7 62.6 116.2#

85 37.9 39.1 72.7#

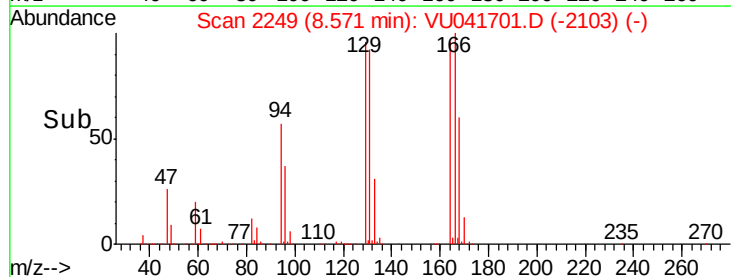
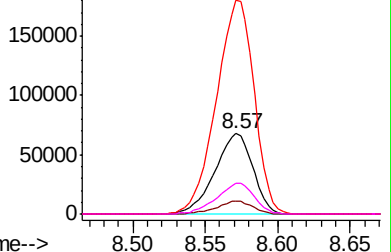


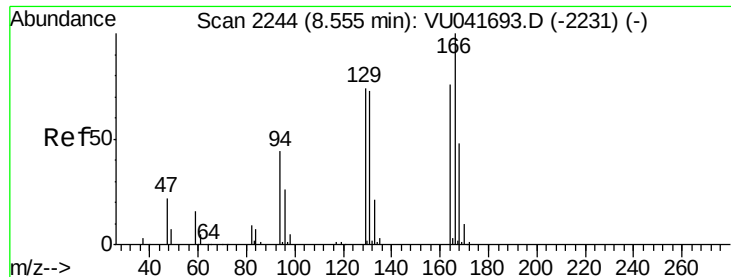
Abundance Ion 96.95 (96.65 to 97.65): VU041693.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU041693.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU041693.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU041693.D (-2184) (-)

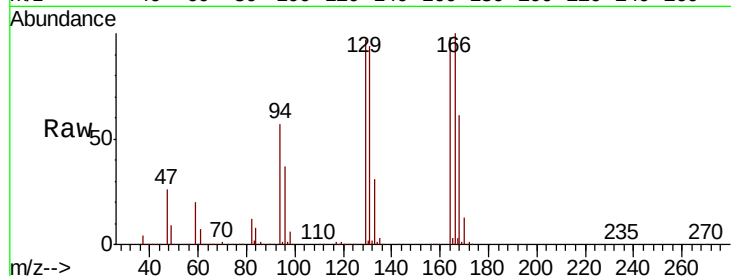




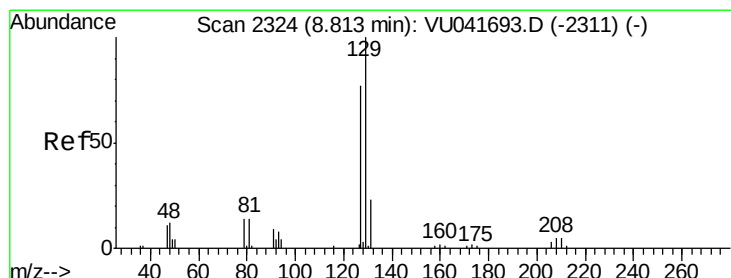
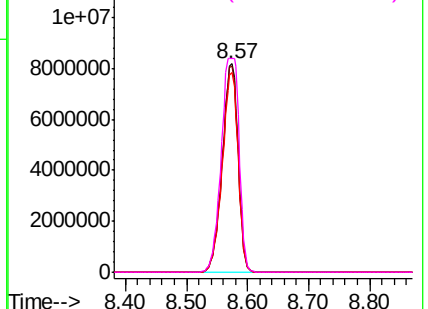
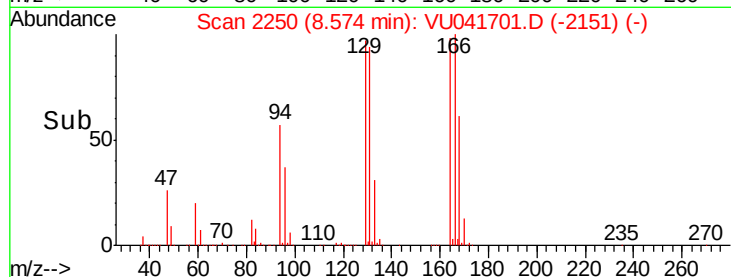
#47
Tetrachloroethene
Concen: 2052.841 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.02 min
Lab File: VU041701.D
Acq: 21 Dec 2020 15:13

Instrument :
MSVOA_U
ClientSampleId :
GB1T2MSD

Tot Ion:164 Resp:14537500
Ion Ratio Lower Upper
164 100
129 99.1 72.2 134.0
131 95.8 66.9 124.3
166 102.4 89.6 166.4

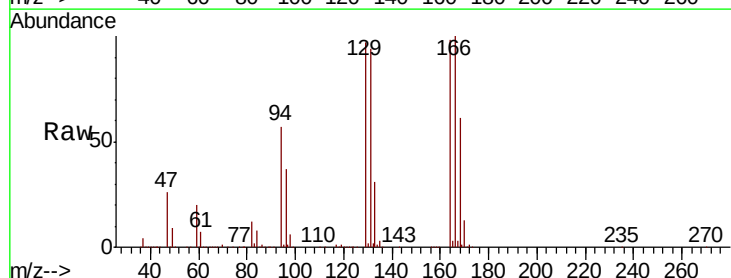


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

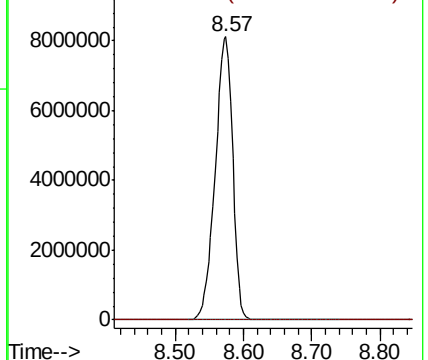
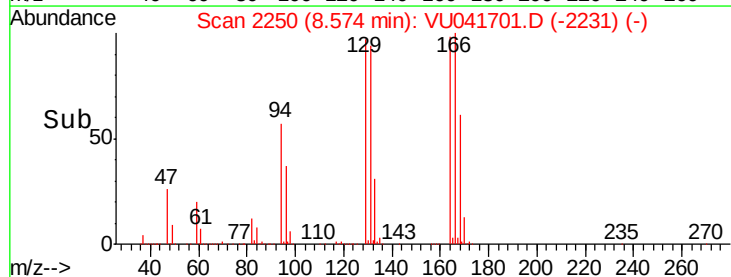


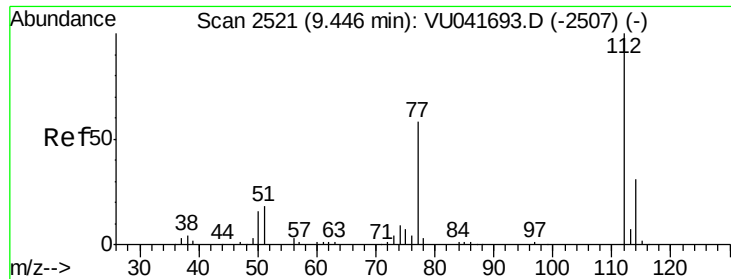
#49
Dibromochloromethane
Concen: 1653.038 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.24 min
Lab File: VU041701.D
Acq: 21 Dec 2020 15:13

Tgt Ion:129 Resp:14459149
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 5.435 ug/L

RT: 9.45 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VU041701.D

Acq: 21 Dec 2020 15:13

Instrument :

MSVOA_U

ClientSampleId :

GB1T2MSD

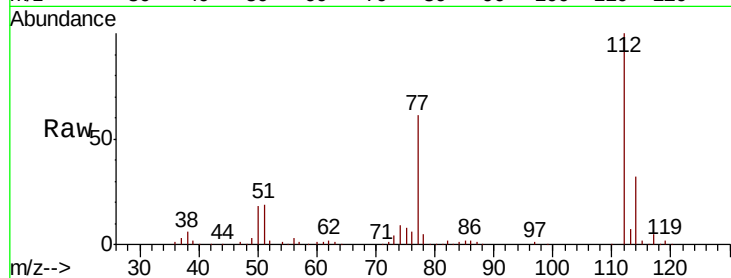
Tot Ion:112 Resp: 140416

Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

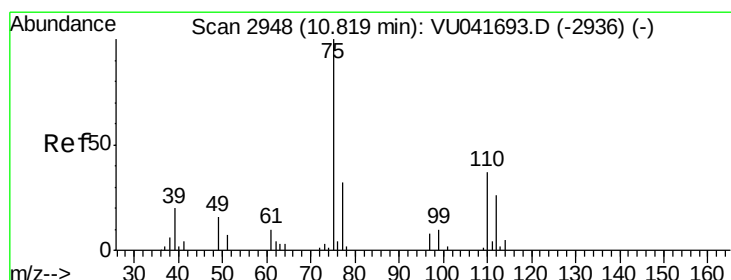
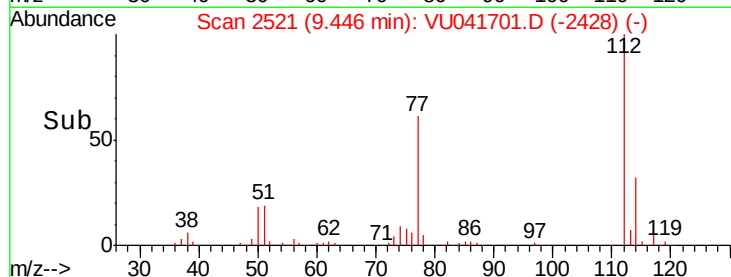
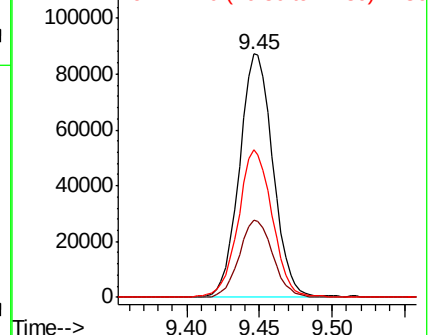
77 60.9 49.1 73.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.915 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041701.D

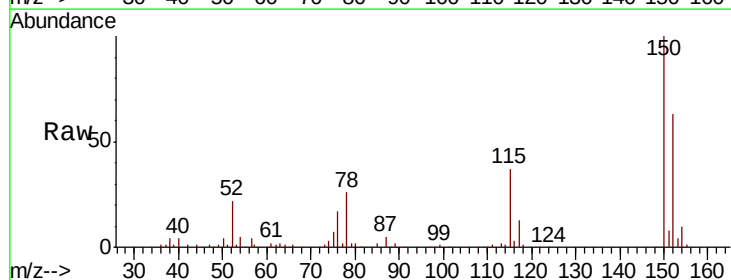
Acq: 21 Dec 2020 15:13

Tgt Ion: 75 Resp: 7077

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

