

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041469.D
 Acq On : 04 Dec 2020 14:37
 Operator : SY/MD
 Sample : L4944-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7

Quant Time: Dec 05 05:26:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55582	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	52017	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26375	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	12581	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.92	69	11969	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.58	63	24617	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.65	46	52687	49.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.44%
24) Chloroform-d	5.08	84	37233	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.72	65	25174	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.74	84	58158	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	16608	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.90	98	53577	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.19	79	9821	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.64	63	41272	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	17975	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	23778	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	118	0.048	ug/L # 45
9) Trichlorofluoromethane	2.15	101	93439	11.060	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	4086	1.121	ug/L 95
25) Chloroform	5.10	83	1409	0.182	ug/L 88
27) 1,2-Dichloroethane	5.74	62	313	0.052	ug/L # 79
31) Carbon tetrachloride	5.54	117	2267	0.328	ug/L 98
34) Trichloroethene	6.55	95	46162	11.879	ug/L 97
35) Methylcyclohexane	6.70	83	4941	0.932	ug/L # 17
37) 1,2-Dichloropropane	6.70	63	2288	0.758	ug/L # 84
39) cis-1,3-Dichloropropene	7.57	75	619	0.114	ug/L # 65
44) trans-1,3-Dichloropropene	8.19	75	404	0.074	ug/L # 76
45) 1,1,2-Trichloroethane	8.41	97	306	0.105	ug/L # 42
47) Tetrachloroethene	8.56	164	78171	25.469	ug/L 97
48) 2-Hexanone	8.64	43	6302	3.244	ug/L # 67
49) Dibromochloromethane	8.56	129	75456	19.034	ug/L # 12
59) 1,2,3-Trichloropropane	11.80	75	2771	0.947	ug/L # 77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
Data File : VU041469.D
Acq On : 04 Dec 2020 14:37
Operator : SY/MD
Sample : L4944-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AP7

Quant Time: Dec 05 05:26:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 05 05:22:35 2020
Response via : Initial Calibration

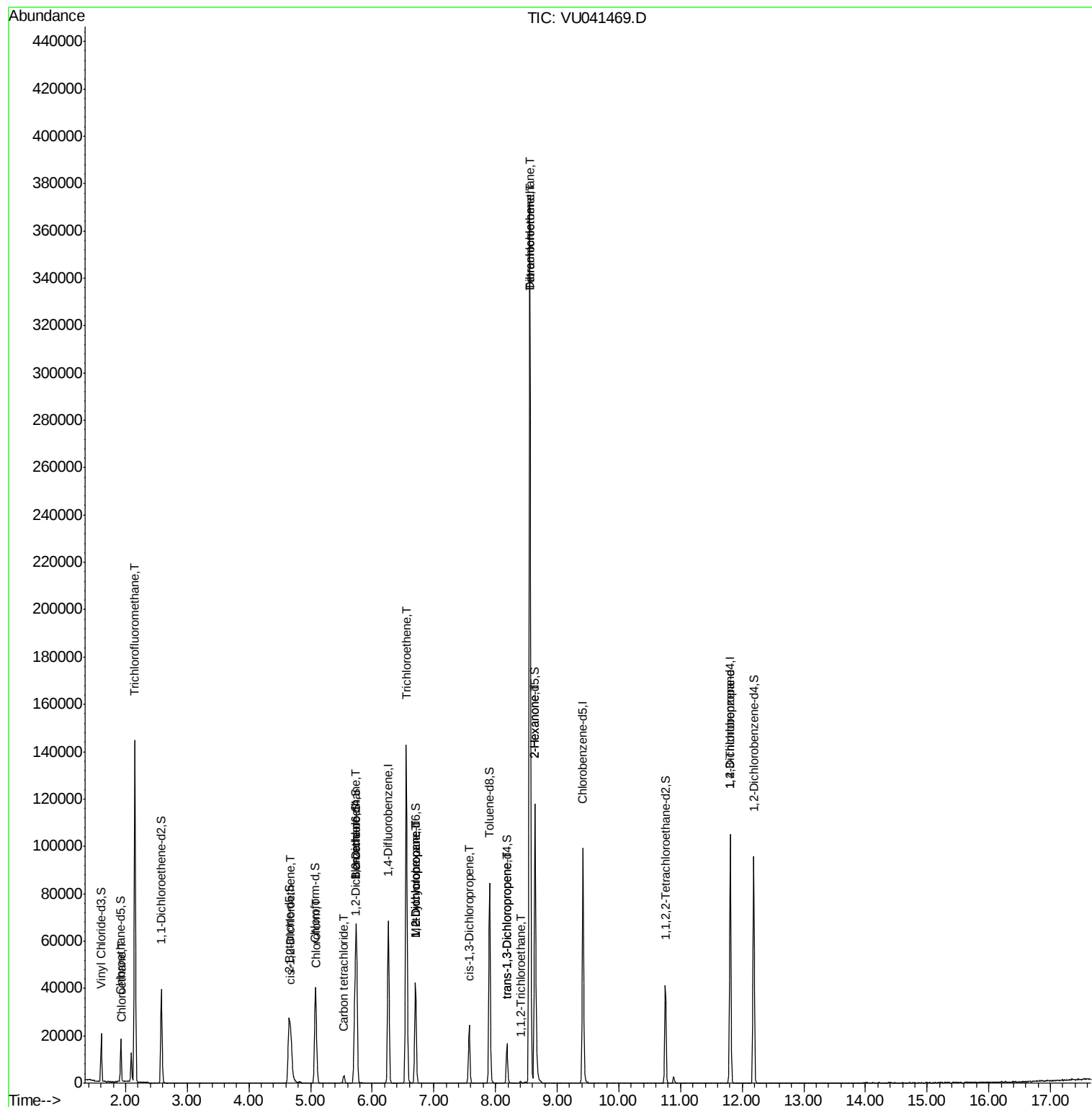
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

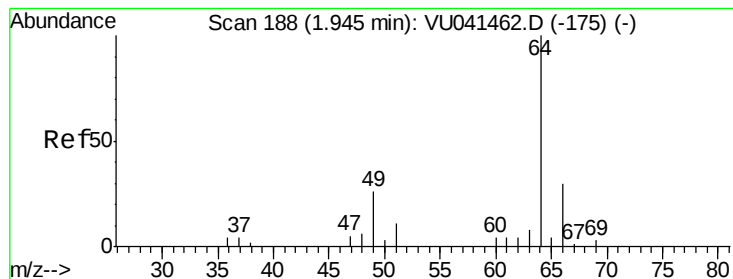
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120420\
Data File : VU041469.D
Acq On : 04 Dec 2020 14:37
Operator : SY/MD
Sample : L4944-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AP7

Quant Time: Dec 05 05:26:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 05 05:22:35 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.048 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041469.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

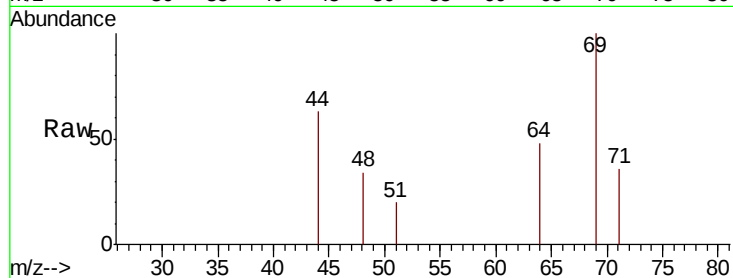
C0AP7

Tot Ion: 64 Resp: 118

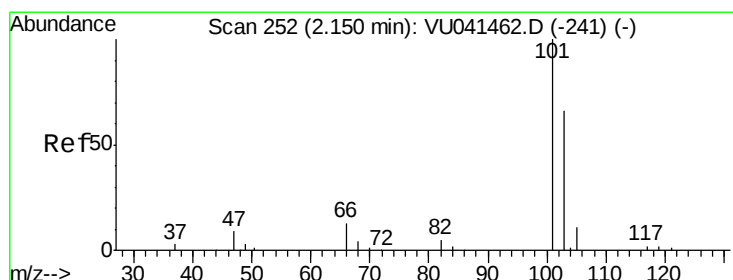
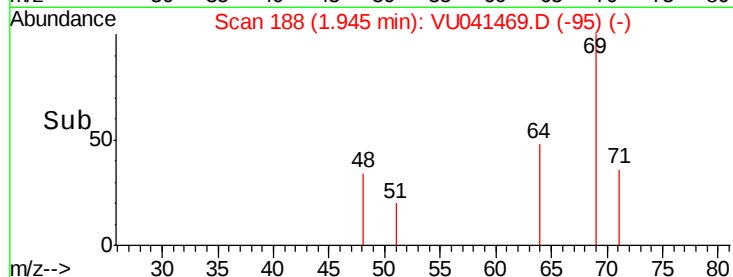
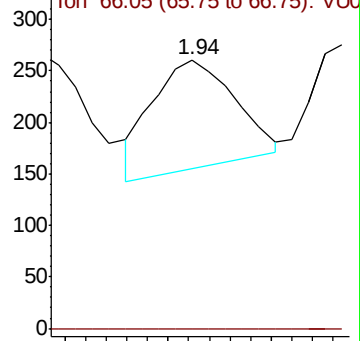
Ion Ratio Lower Upper

64 100

66 0.0 20.9 38.9#



Abundance Ion 64.10 (63.80 to 64.80): VU041469.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 11.060 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041469.D

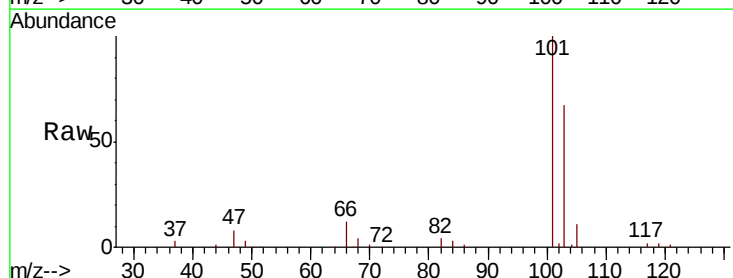
Acq: 04 Dec 2020 14:37

Tgt Ion: 101 Resp: 93439

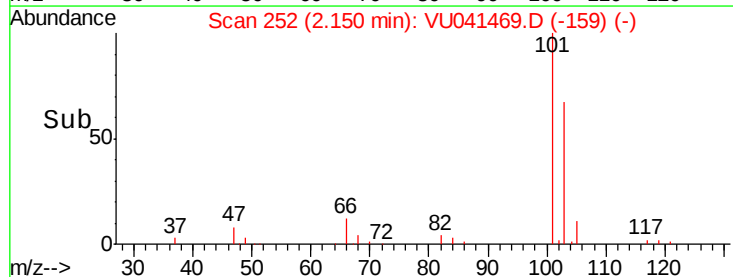
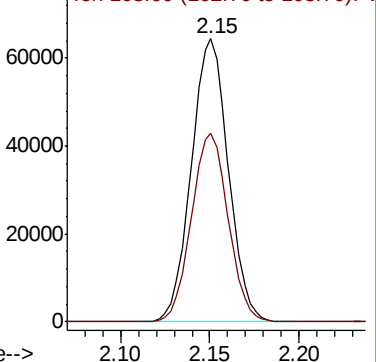
Ion Ratio Lower Upper

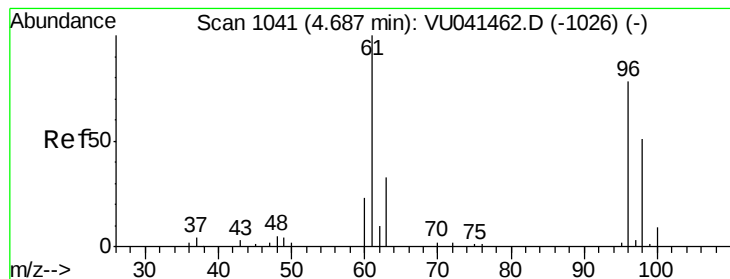
101 100

103 66.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU041469.D (-241) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.121 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041469.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

C0AP7

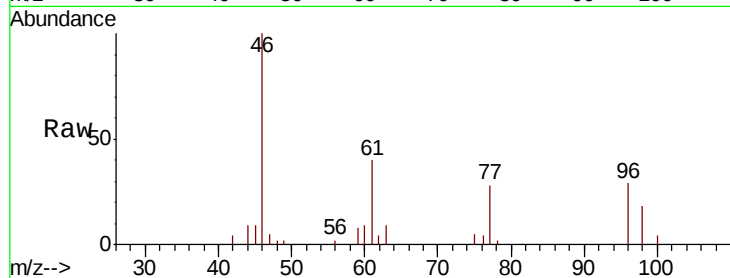
Tot Ion: 96 Resp: 4086

Ion Ratio Lower Upper

96 100

61 135.2 90.5 168.1

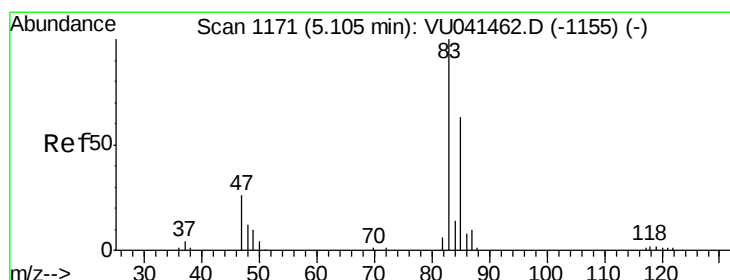
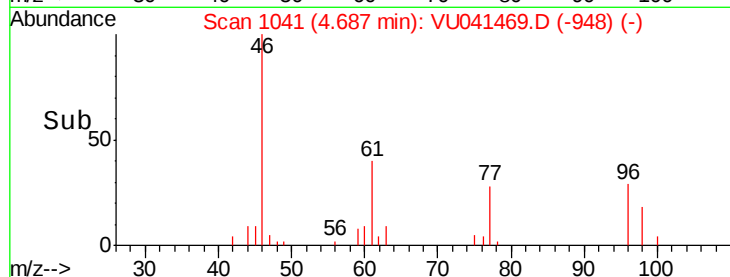
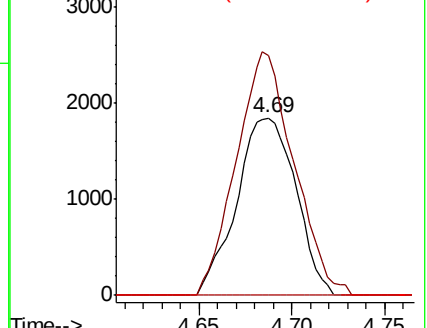
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.182 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU041469.D

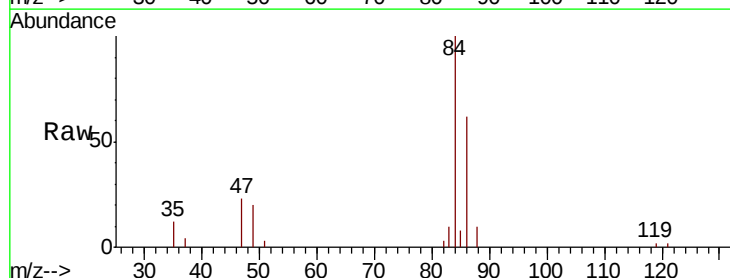
Acq: 04 Dec 2020 14:37

Tgt Ion: 83 Resp: 1409

Ion Ratio Lower Upper

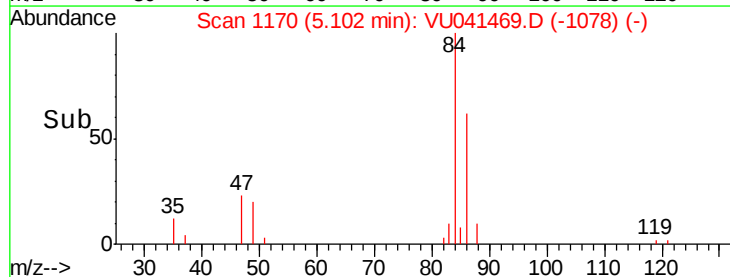
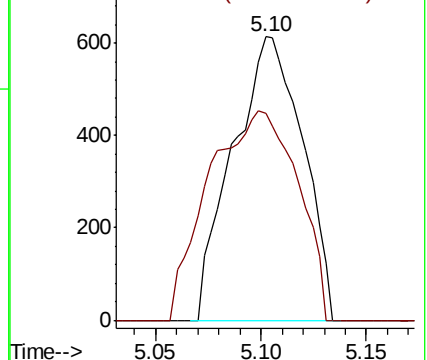
83 100

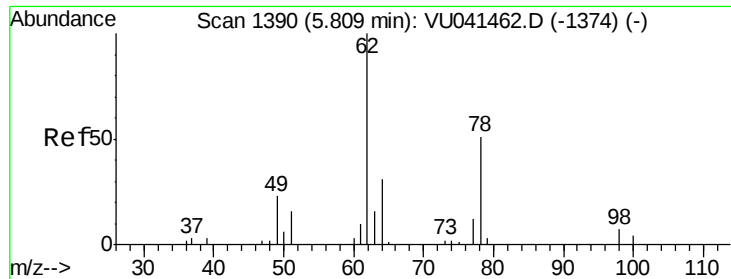
85 73.1 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

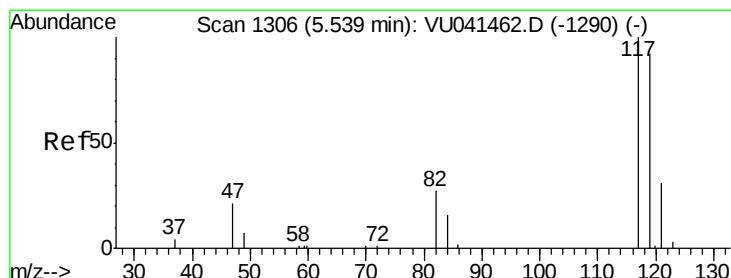
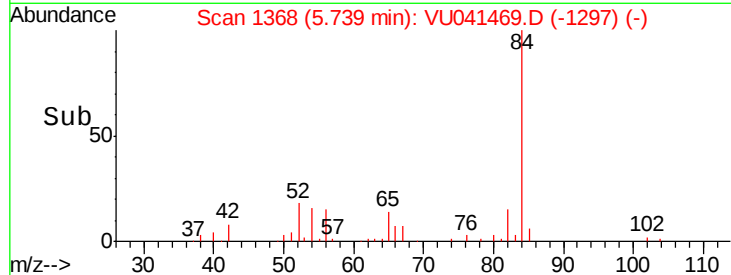
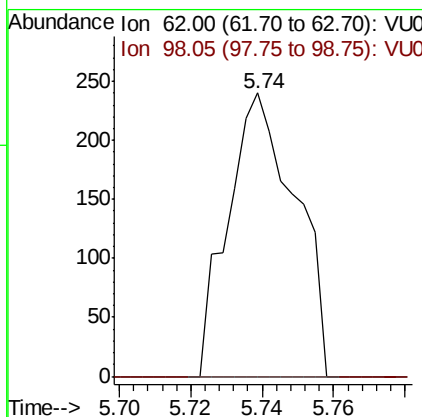
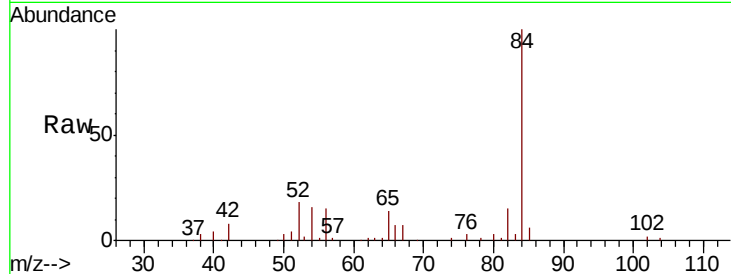




#27
 1,2-Dichloroethane
 Concen: 0.052 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041469.D
 Acq: 04 Dec 2020 14:37

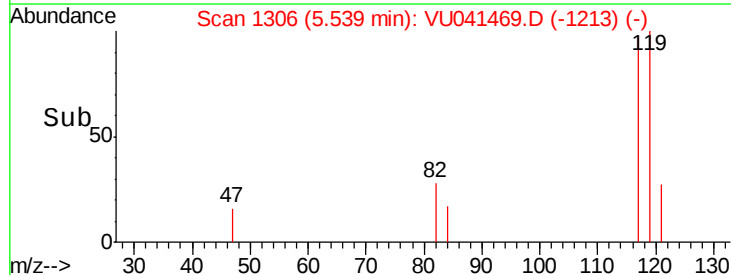
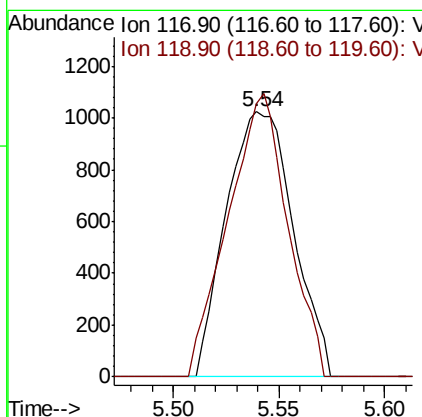
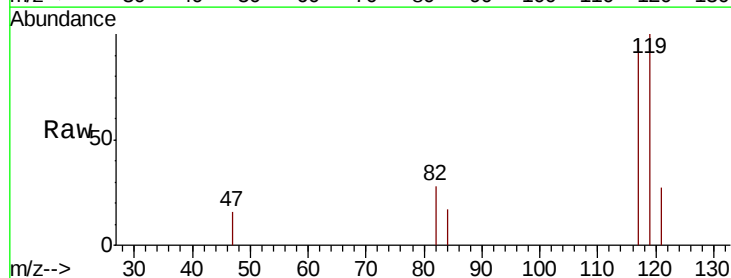
Instrument :
 MSVOA_U
 ClientSampled :
 C0AP7

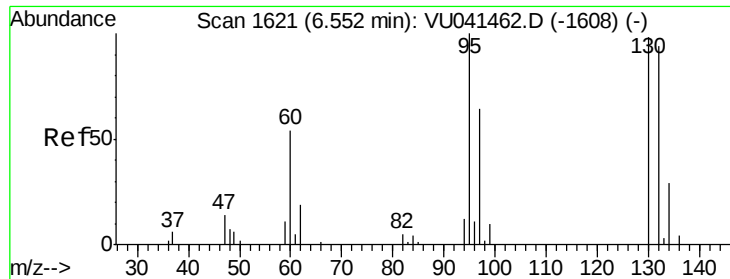
Tot Ion: 62 Resp: 313
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#31
 Carbon tetrachloride
 Concen: 0.328 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU041469.D
 Acq: 04 Dec 2020 14:37

Tgt Ion: 117 Resp: 2267
 Ion Ratio Lower Upper
 117 100
 119 94.8 77.2 115.8

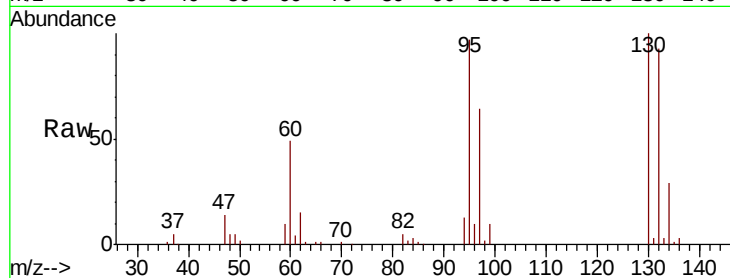




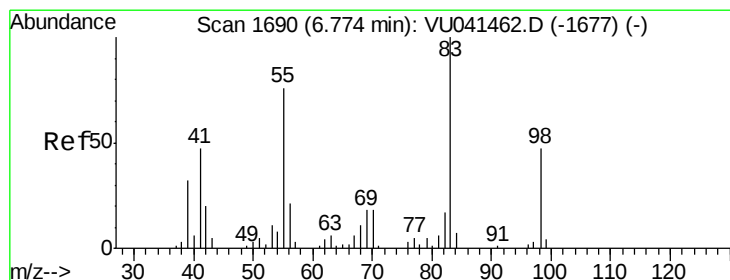
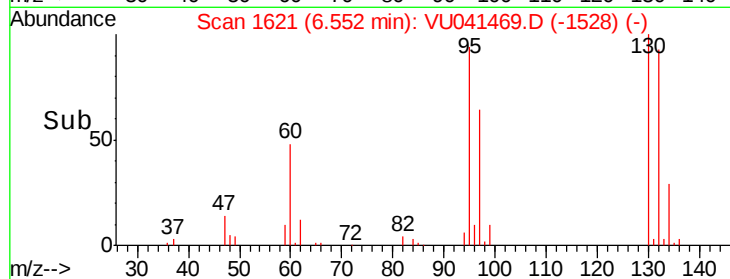
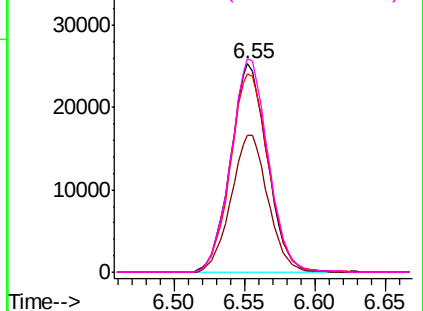
#34
 Trichloroethene
 Concen: 11.879 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041469.D
 Acq: 04 Dec 2020 14:37

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7

Tot Ion: 95 Resp: 46162
 Ion Ratio Lower Upper
 95 100
 97 65.9 44.7 83.1
 132 95.4 65.7 121.9
 130 102.6 68.8 127.8

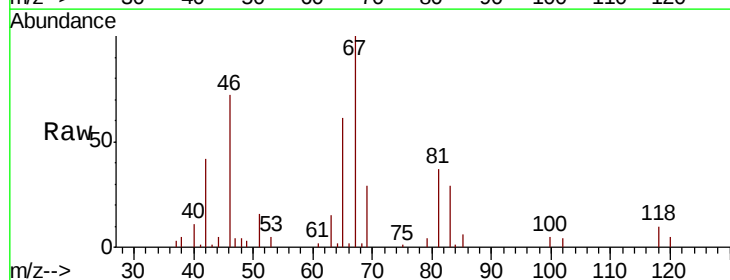


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

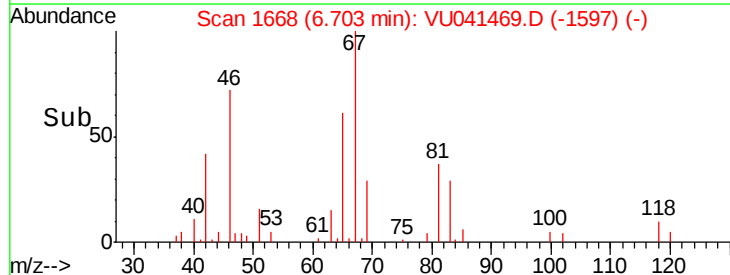
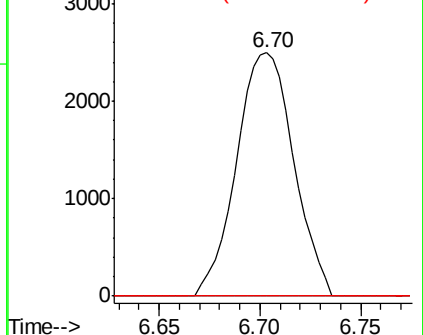


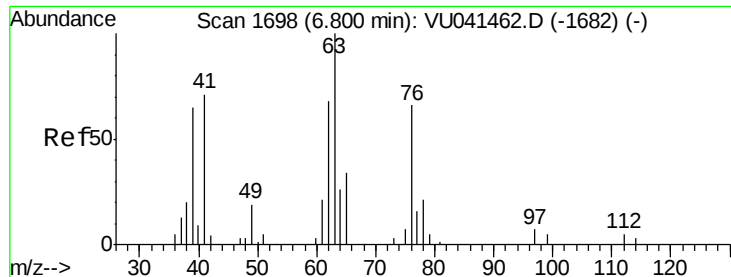
#35
 Methylcyclohexane
 Concen: 0.932 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041469.D
 Acq: 04 Dec 2020 14:37

Tgt Ion: 83 Resp: 4941
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.0 38.7 58.1#



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

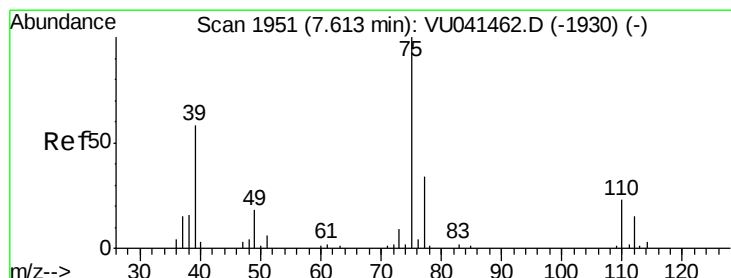
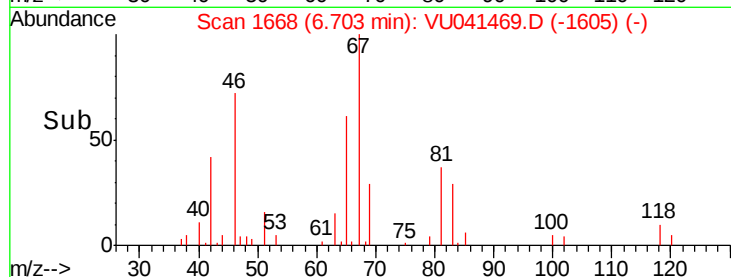
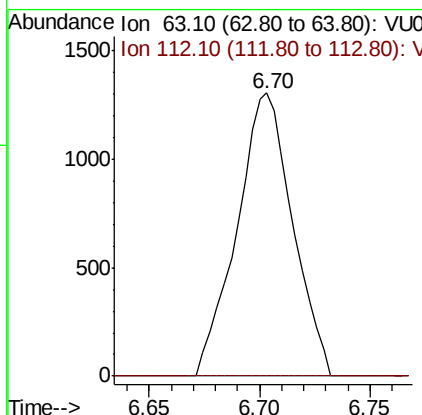
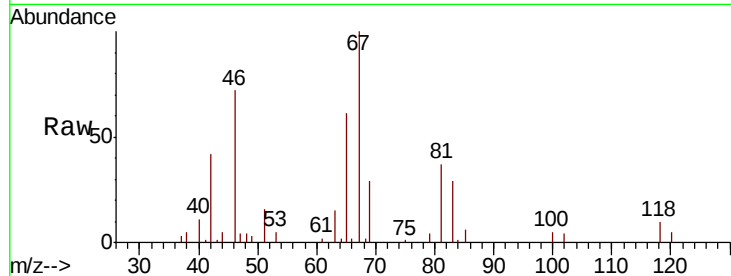




#37
 1,2-Dichloropropane
 Concen: 0.758 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041469.D
 Acq: 04 Dec 2020 14:37

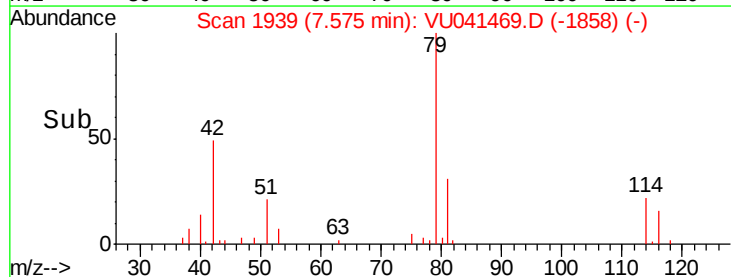
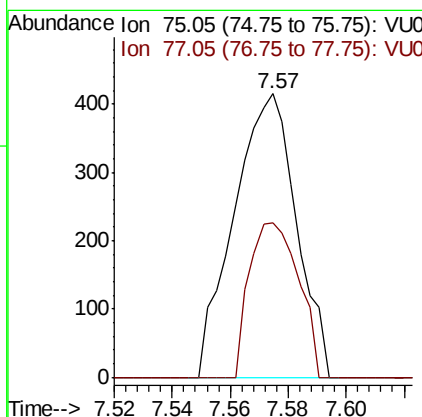
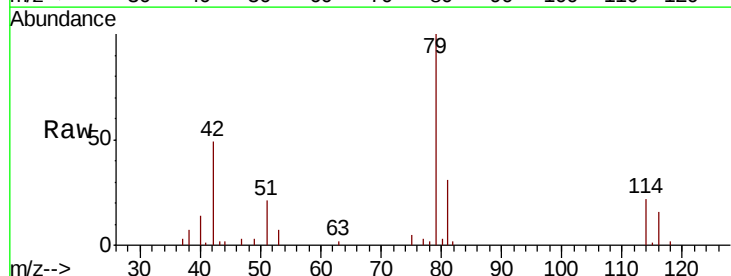
Instrument :
 MSVOA_U
 ClientSampled :
 C0AP7

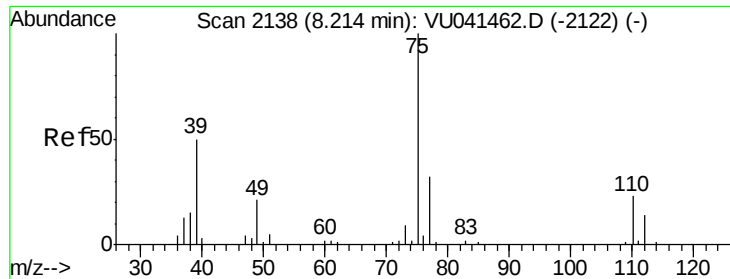
Tot Ion: 63 Resp: 2288
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041469.D
 Acq: 04 Dec 2020 14:37

Tgt Ion: 75 Resp: 619
 Ion Ratio Lower Upper
 75 100
 77 54.7 24.0 44.6#





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041469.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

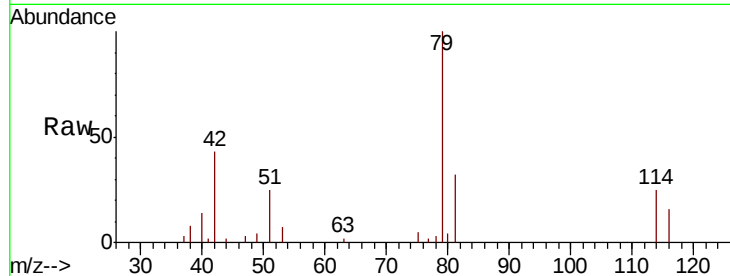
C0AP7

Tot Ion: 75 Resp: 404

Ion Ratio Lower Upper

75 100

77 46.2 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

300

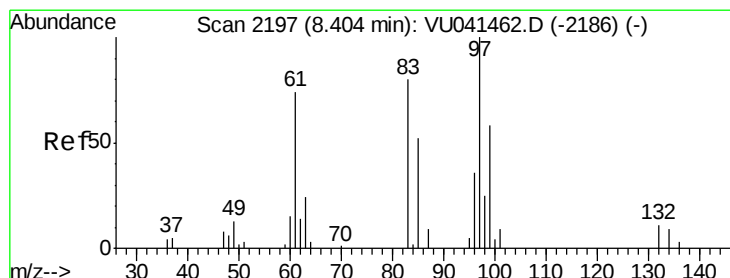
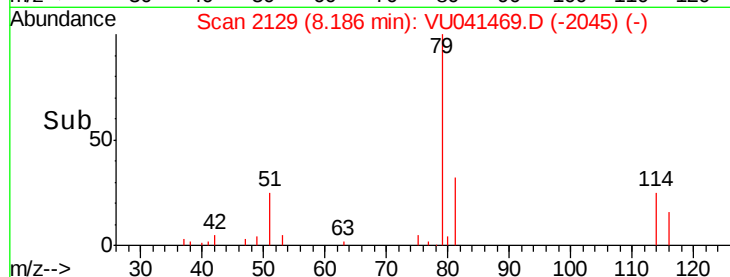
200

100

0

8.16 8.18 8.20 8.22

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.105 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VU041469.D

Acq: 04 Dec 2020 14:37

Tgt Ion: 97 Resp: 306

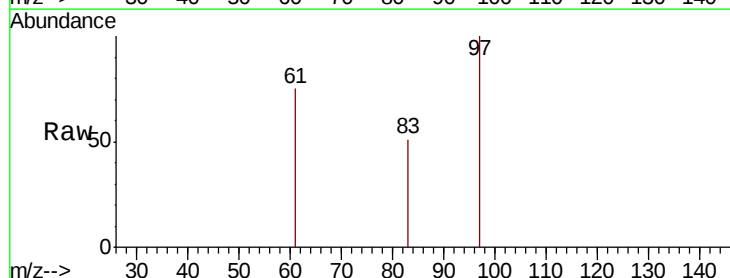
Ion Ratio Lower Upper

97 100

99 0.0 40.7 75.7#

83 50.6 56.2 104.4#

85 0.0 36.0 67.0#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

300

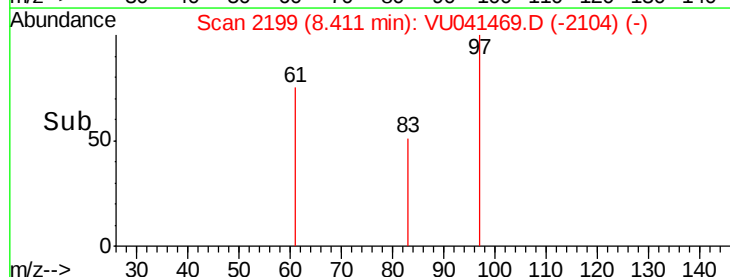
200

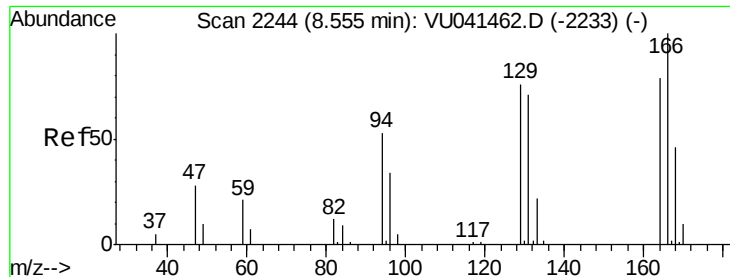
100

0

8.38 8.40 8.42 8.44

Time-->

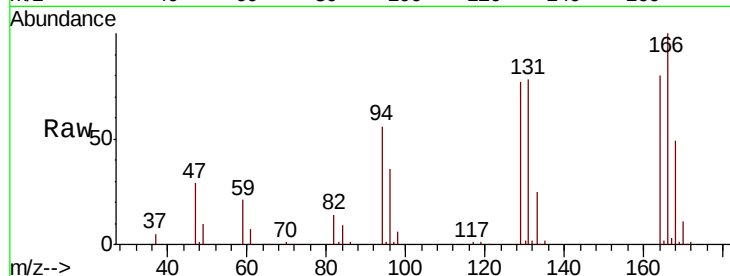




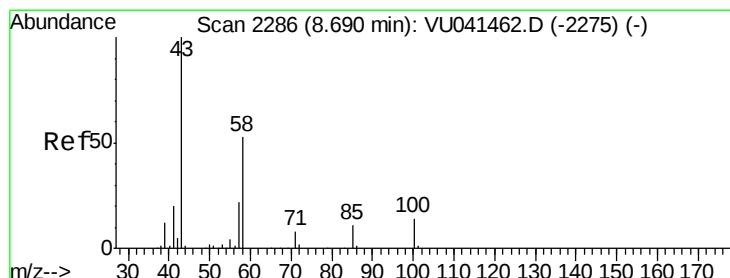
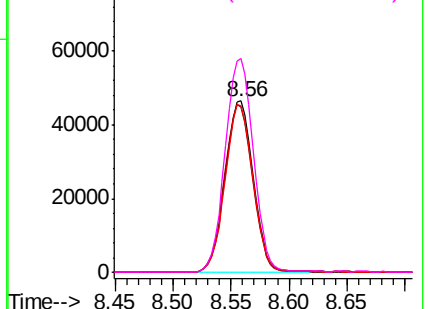
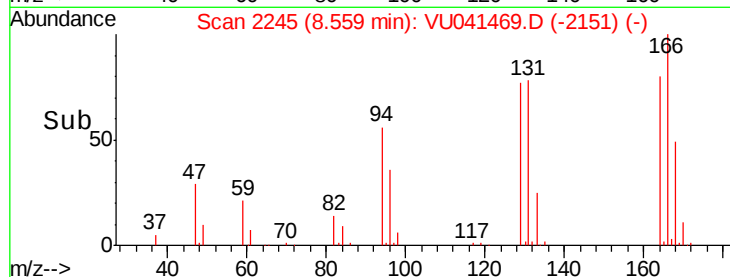
#47
Tetrachloroethene
Concen: 25.469 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041469.D
Acq: 04 Dec 2020 14:37

Instrument :
MSVOA_U
ClientSampleId :
C0AP7

Tot Ion:164 Resp: 78171
Ion Ratio Lower Upper
164 100
129 96.5 67.1 124.7
131 97.6 63.3 117.7
166 124.8 88.8 164.8

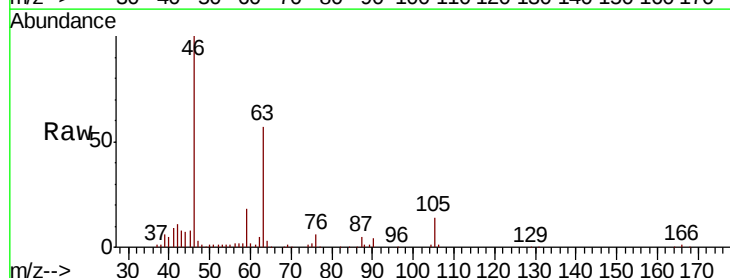


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

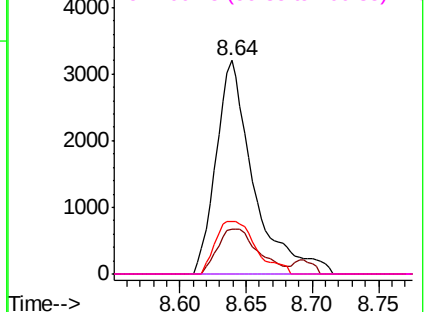
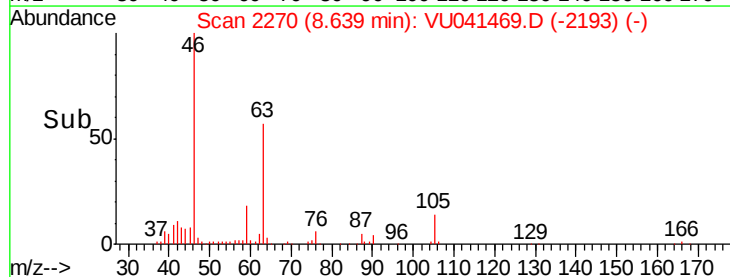


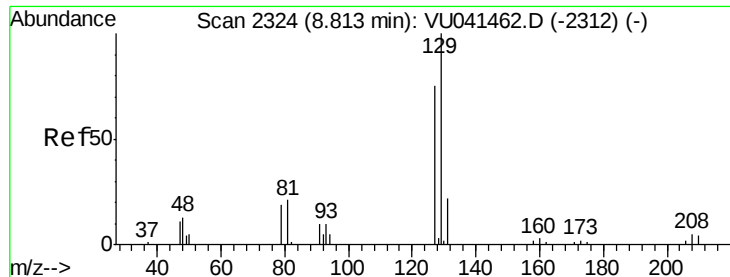
#48
2-Hexanone
Concen: 3.244 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041469.D
Acq: 04 Dec 2020 14:37

Tgt Ion: 43 Resp: 6302
Ion Ratio Lower Upper
43 100
58 22.8 41.4 62.0#
57 26.6 17.1 25.7#
100 0.0 10.6 16.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 19.034 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041469.D

Acq: 04 Dec 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

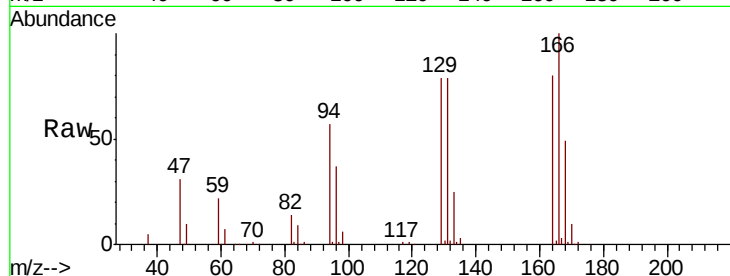
C0AP7

Tot Ion:129 Resp: 75456

Ion Ratio Lower Upper

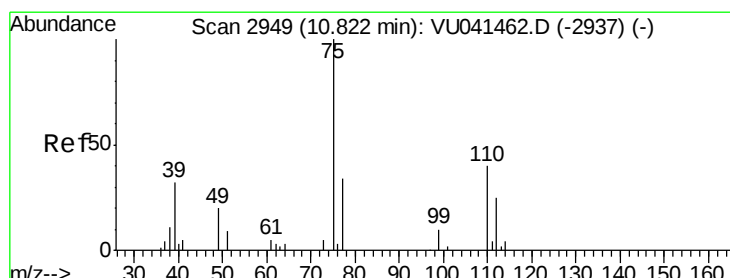
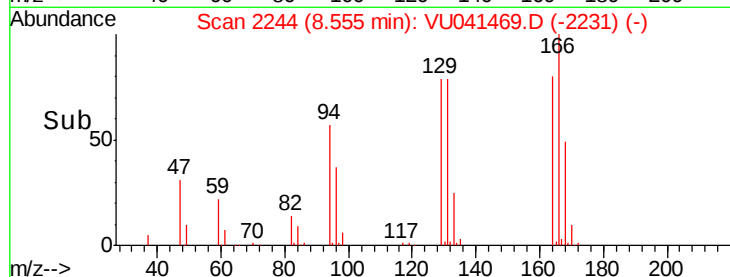
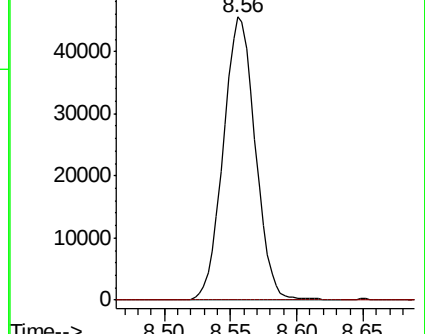
129 100

127 0.0 52.4 97.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.947 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU041469.D

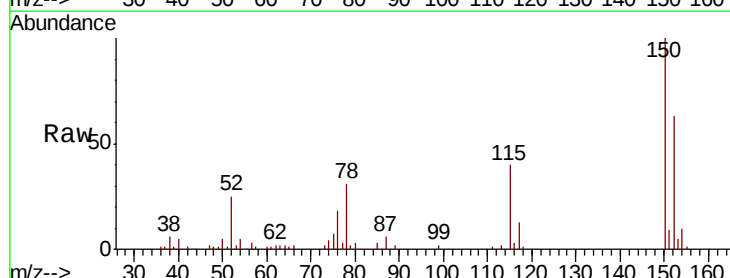
Acq: 04 Dec 2020 14:37

Tgt Ion: 75 Resp: 2771

Ion Ratio Lower Upper

75 100

77 45.7 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

