

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041613.D
 Acq On : 14 Dec 2020 16:10
 Operator : SY/MD
 Sample : VIBLK06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:49:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	146033	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	139282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59189	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42685	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.92	69	35288	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	2.57	63	65340	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.66	46	142832	43.55	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.10%
24) Chloroform-d	5.08	84	78011	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
26) 1,2-Dichloroethane-d4	5.72	65	46783	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.74	84	162273	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.70	67	51255	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	7.90	98	142623	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.18	79	21845	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.64	63	125893	40.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46564	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48450	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

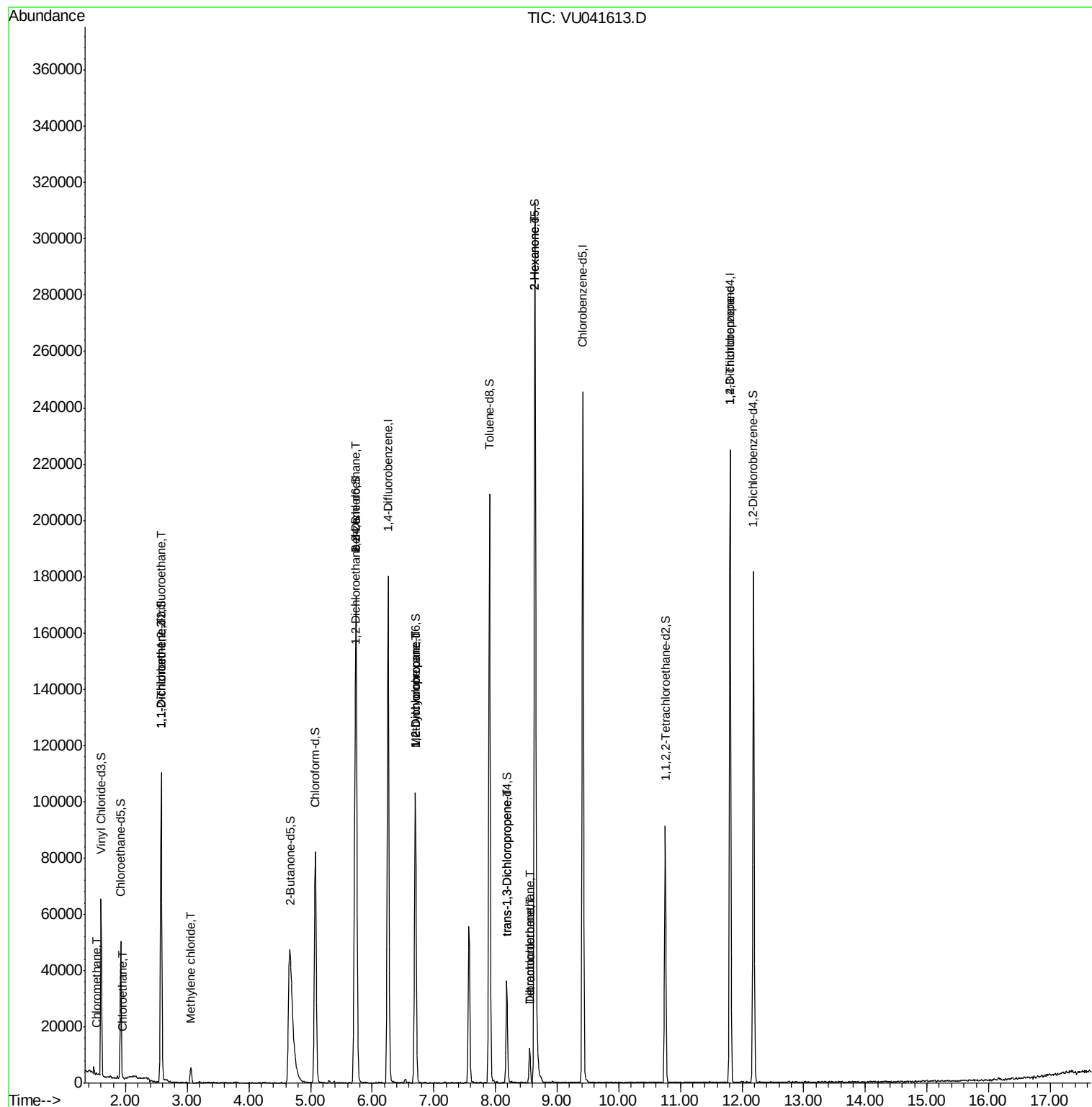
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	805	0.067	ug/L	96
8) Chloroethane	1.96	64	290	0.032	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	462	0.046	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	533	0.054	ug/L #	1
16) Methylene chloride	3.06	84	2641	0.223	ug/L	90
27) 1,2-Dichloroethane	5.75	62	854	0.065	ug/L #	73
35) Methylcyclohexane	6.70	83	11833	0.654	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5413	0.475	ug/L #	88
44) trans-1,3-Dichloropropene	8.18	75	914	0.061	ug/L	95
47) Tetrachloroethene	8.56	164	2658	0.339	ug/L	92
48) 2-Hexanone	8.64	43	13597	2.304	ug/L #	66
49) Dibromochloromethane	8.56	129	2638	0.273	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7209	0.842	ug/L	96

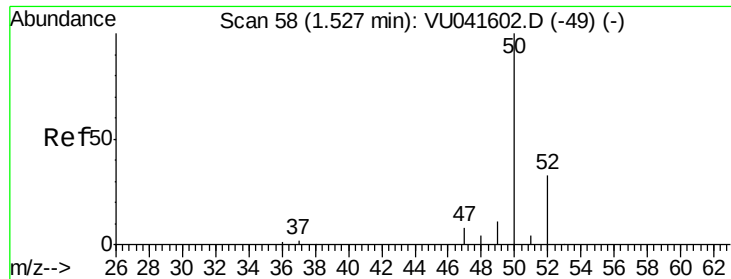
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.067 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041613.D

Acq: 14 Dec 2020 16:10

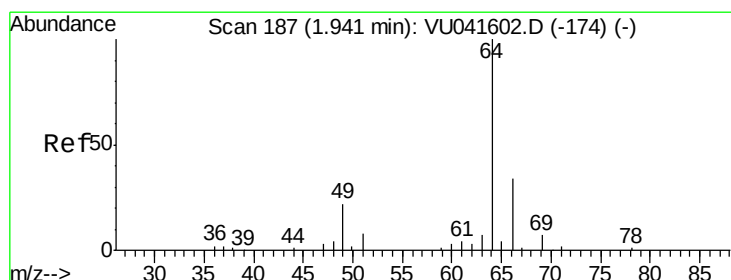
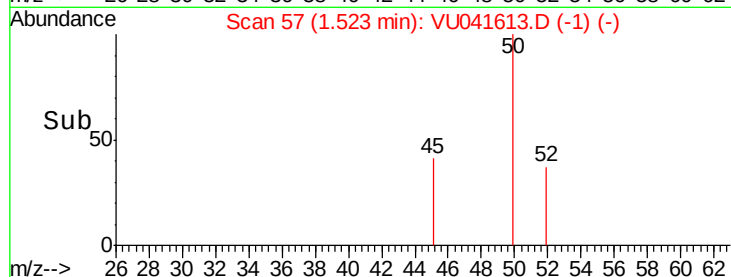
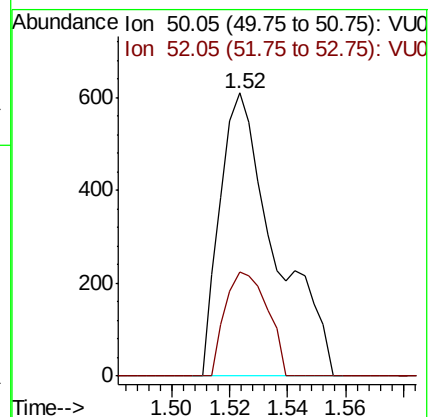
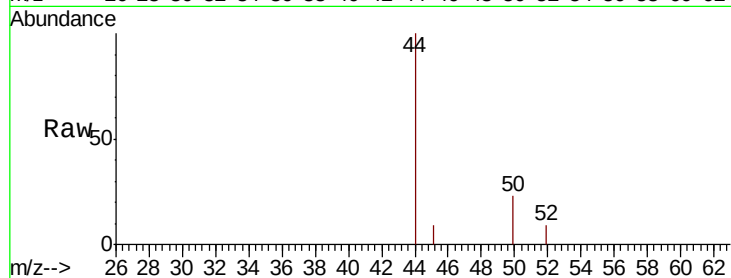
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 805

Ion Ratio Lower Upper

50 100

52 36.9 24.1 44.8



#8

Chloroethane

Concen: 0.032 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.02 min

Lab File: VU041613.D

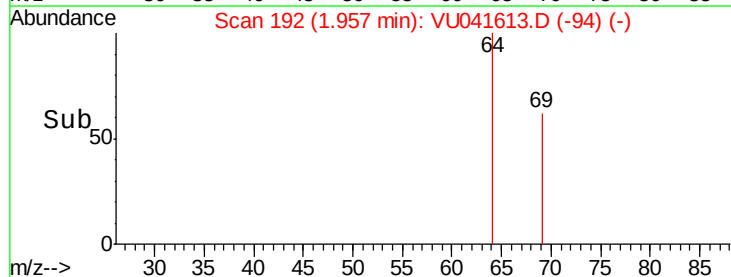
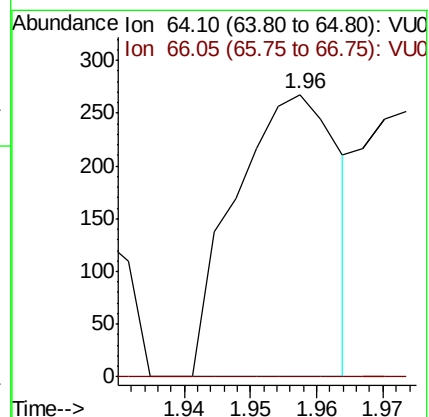
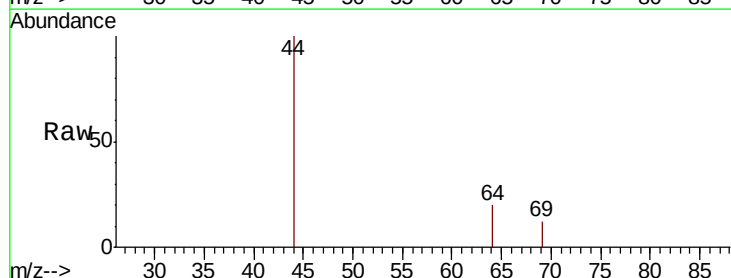
Acq: 14 Dec 2020 16:10

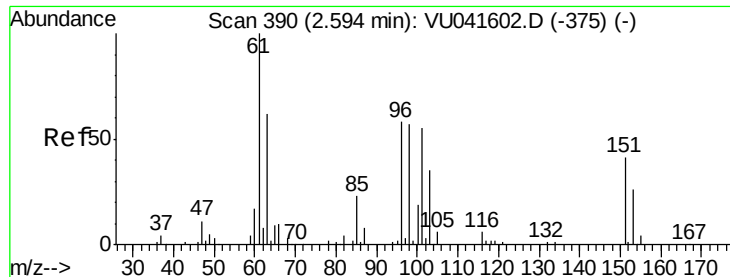
Tgt Ion: 64 Resp: 290

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#





#10

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

Concen: 0.046 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041613.D

Acq: 14 Dec 2020 16:10

Instrument :

MSVOA_U

ClientSampled :

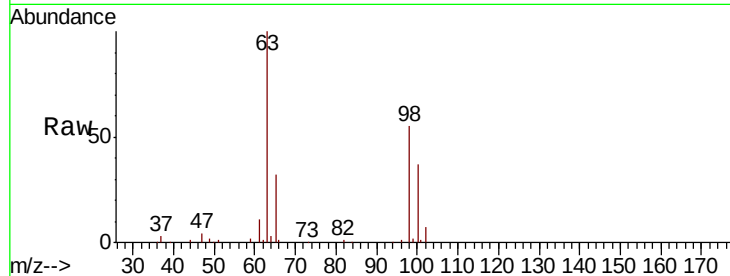
Tot Ion:101 Resp: 462

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

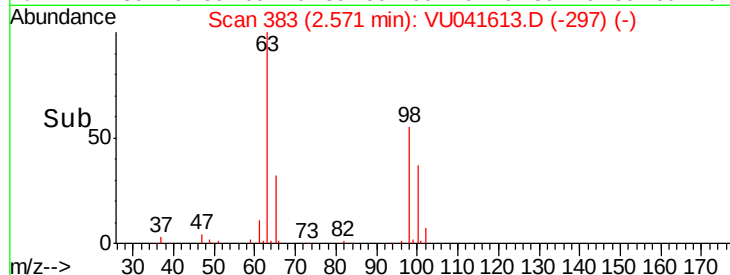
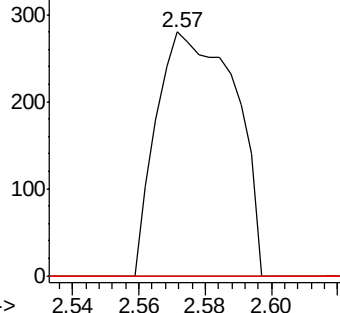
151 0.0 56.2 84.4#



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



#12

1,1-Dichloroethene

Concen: 0.054 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041613.D

Acq: 14 Dec 2020 16:10

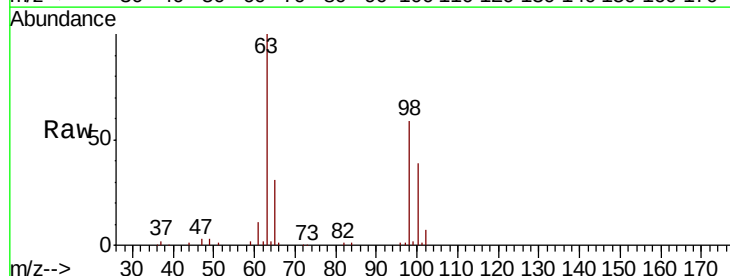
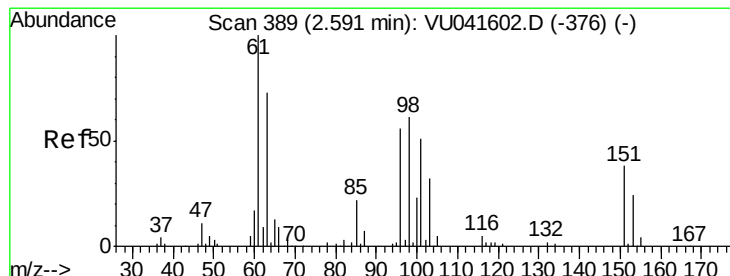
Tgt Ion: 96 Resp: 533

Ion Ratio Lower Upper

96 100

61 1175.0 123.8 230.0#

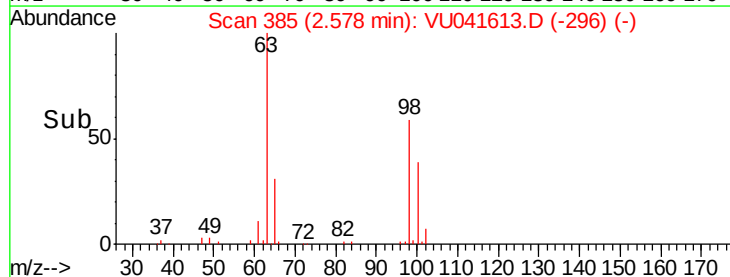
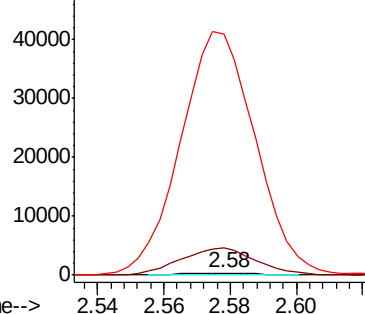
63 10542.3 81.0 150.4#

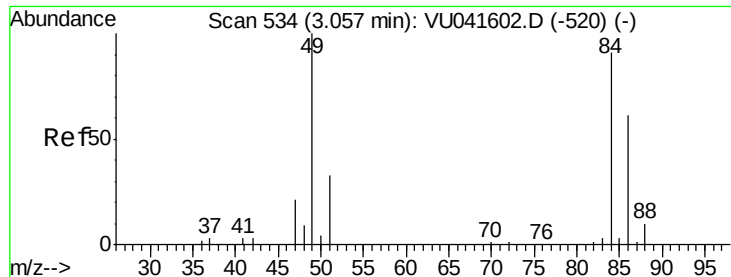


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

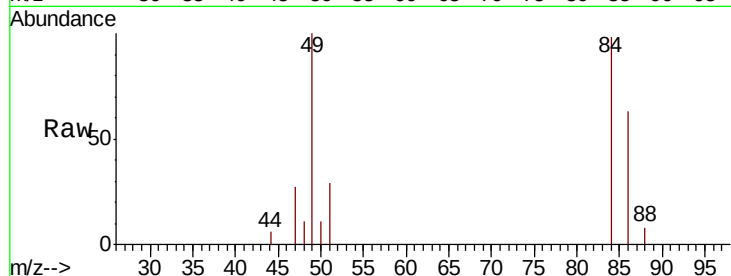




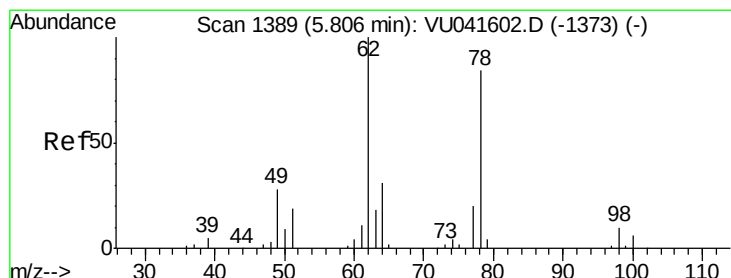
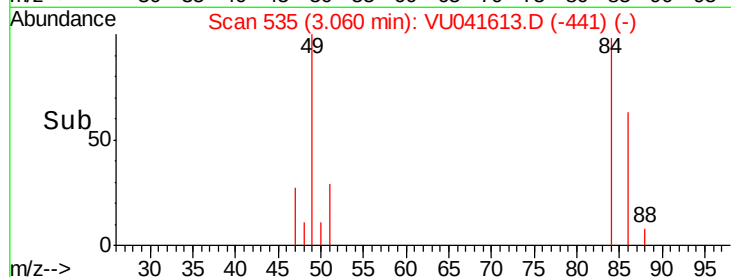
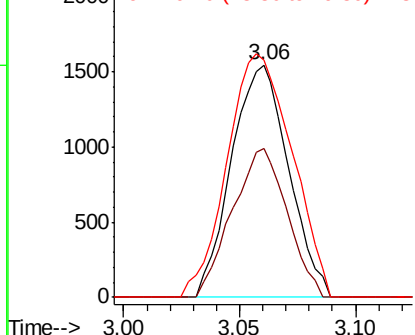
#16
Methylene chloride
Concen: 0.223 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041613.D
Acq: 14 Dec 2020 16:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 2641
Ion Ratio Lower Upper
84 100
86 63.9 45.1 83.7
49 101.8 83.1 154.3

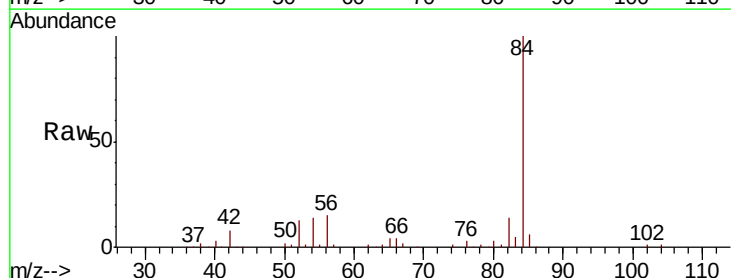


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

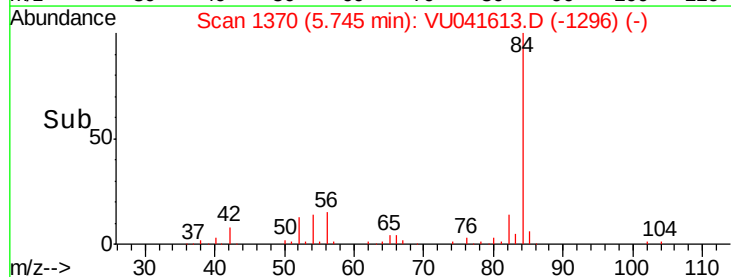
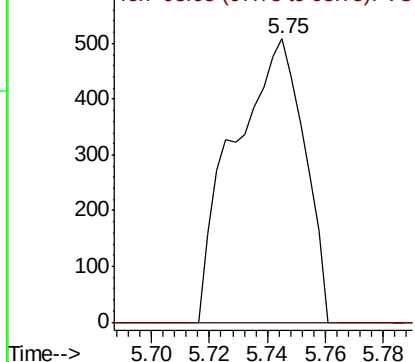


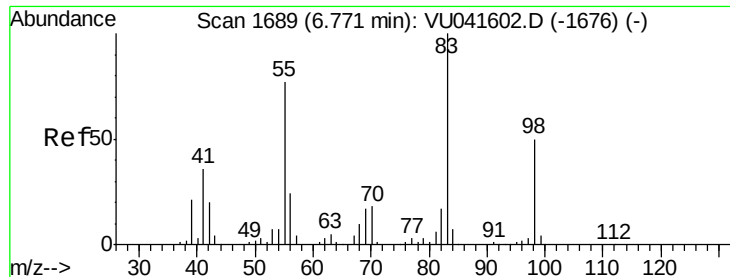
#27
1,2-Dichloroethane
Concen: 0.065 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041613.D
Acq: 14 Dec 2020 16:10

Tgt Ion: 62 Resp: 854
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

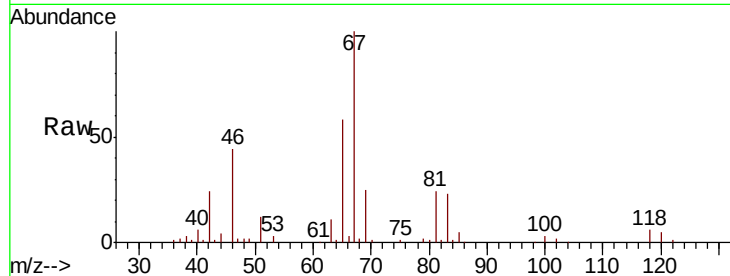




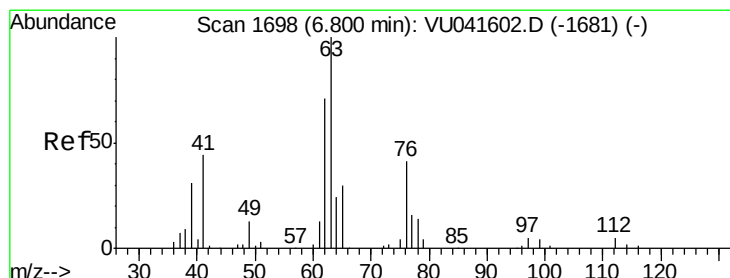
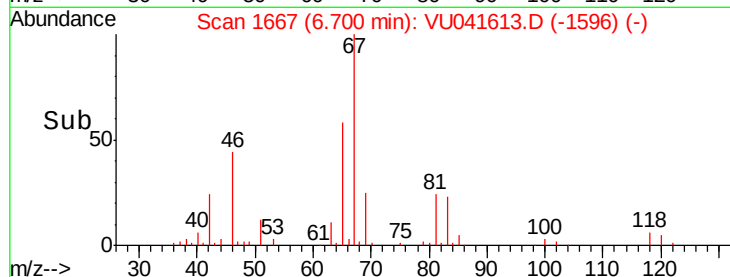
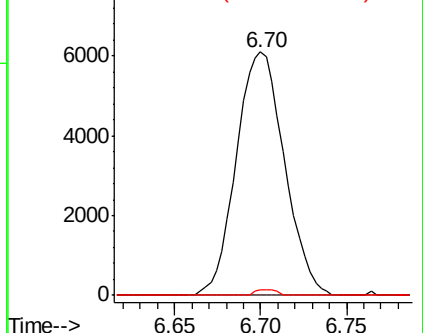
#35
Methylvlcyclohexane
Concen: 0.654 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041613.D
Acq: 14 Dec 2020 16:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 11833
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.0 36.6 54.8#

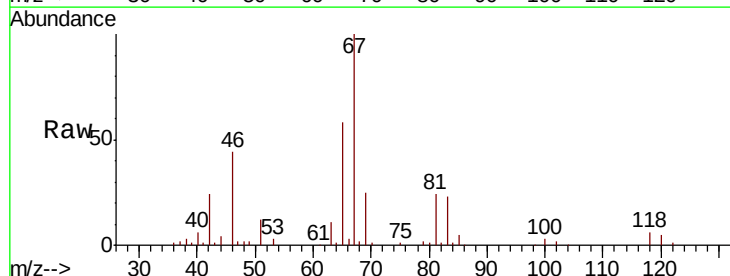


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

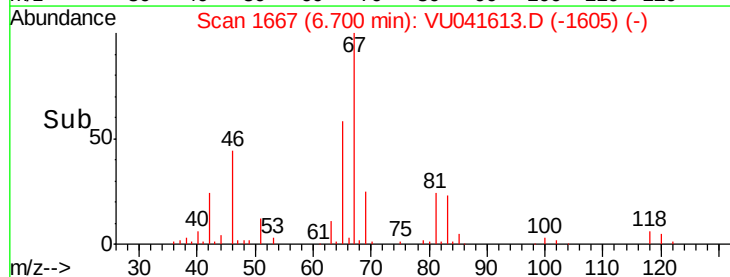
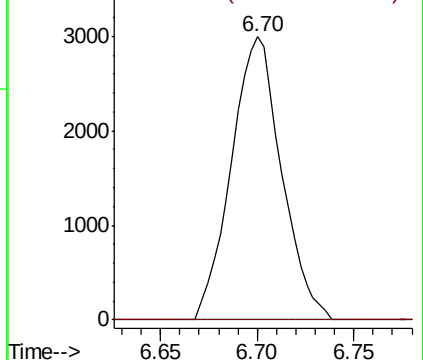


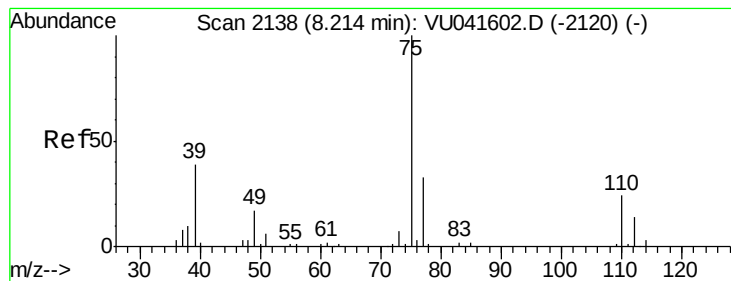
#37
1,2-Dichloropropane
Concen: 0.475 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041613.D
Acq: 14 Dec 2020 16:10

Tgt Ion: 63 Resp: 5413
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





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041613.D

Acq: 14 Dec 2020 16:10

Instrument :

MSVOA_U

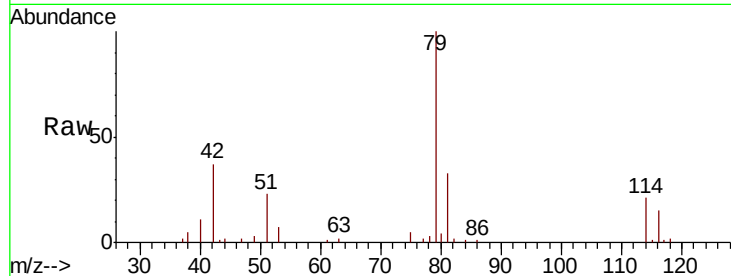
ClientSampleId :

Tot Ion: 75 Resp: 914

Ion Ratio Lower Upper

75 100

77 36.8 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041613.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041613.D (-2120) (-)

8.18

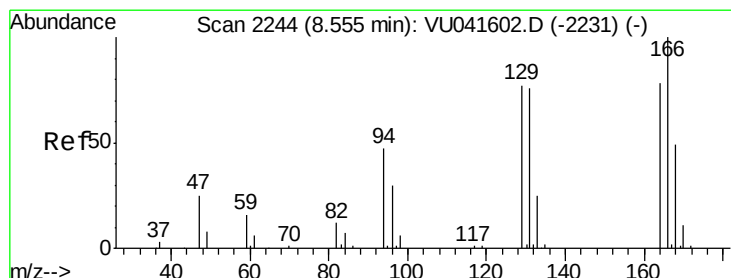
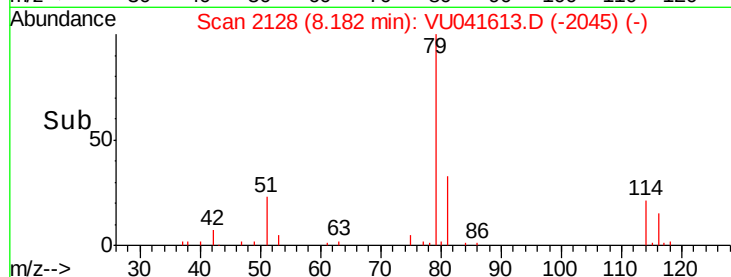
600

400

200

0

Time--> 8.14 8.16 8.18 8.20 8.22



#47

Tetrachloroethene

Concen: 0.339 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041613.D

Acq: 14 Dec 2020 16:10

Tgt Ion: 164 Resp: 2658

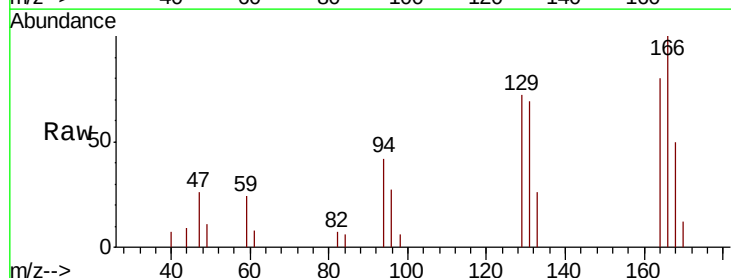
Ion Ratio Lower Upper

164 100

129 89.8 72.2 134.0

131 86.2 66.9 124.3

166 124.4 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041613.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041613.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041613.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041613.D (-2151) (-)

3000

2500

2000

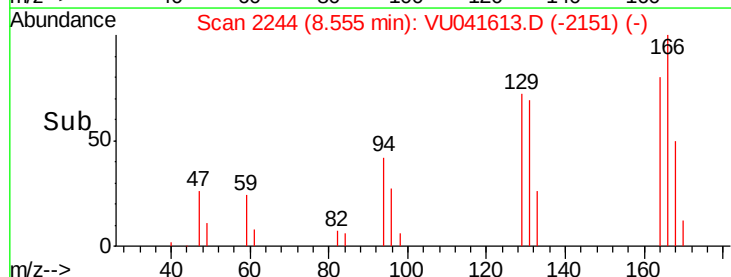
1500

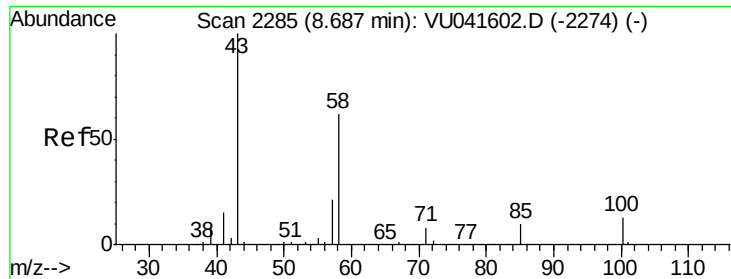
1000

500

0

Time--> 8.50 8.55 8.60

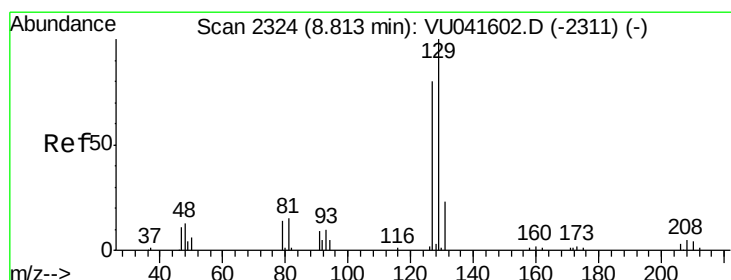
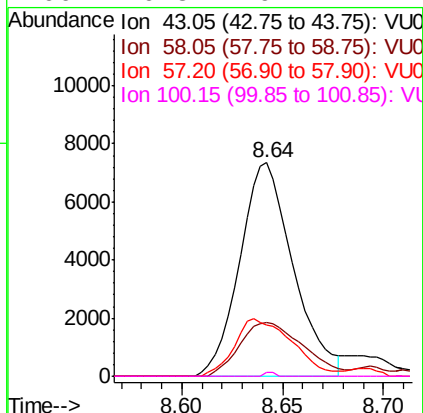
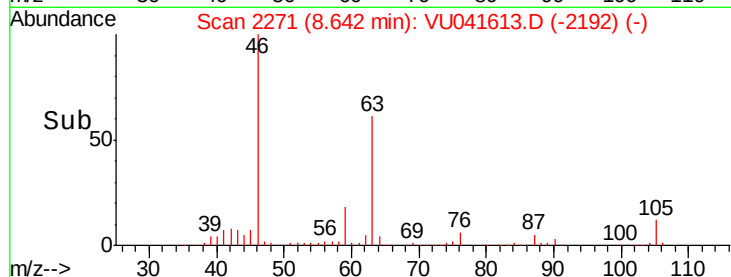
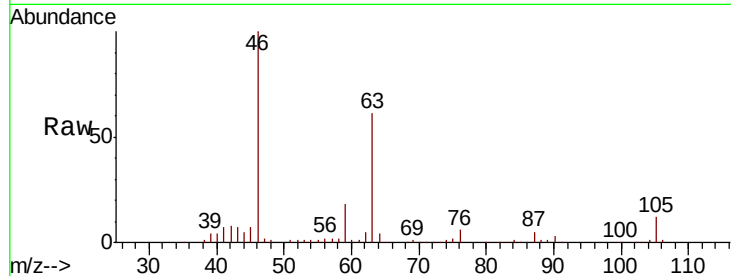




#48
2-Hexanone
Concen: 2.304 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041613.D
Acq: 14 Dec 2020 16:10

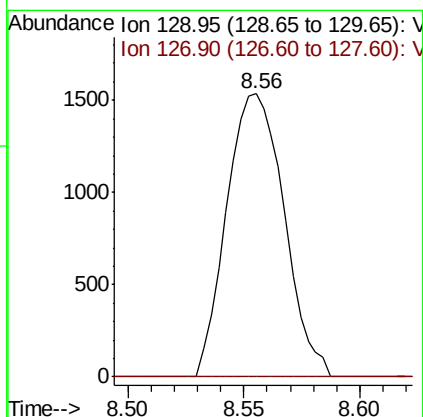
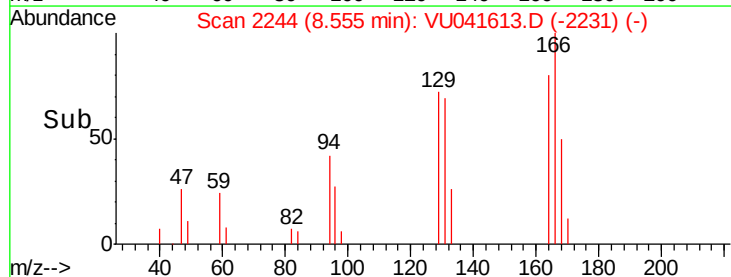
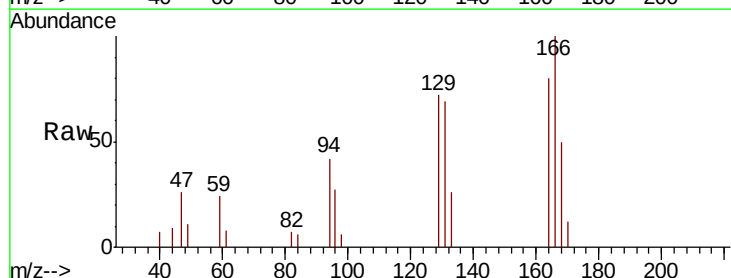
Instrument :
MSVOA_U
ClientSampleId :

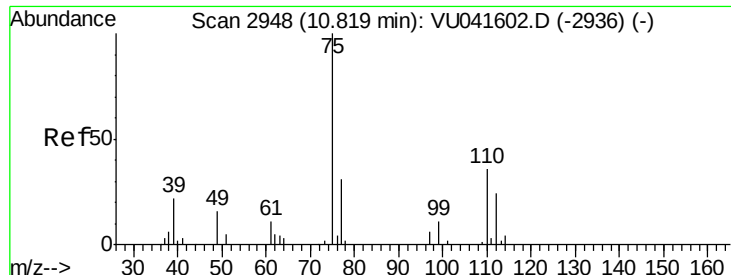
Tot Ion: 43 Resp: 13597
Ion Ratio Lower Upper
43 100
58 29.8 47.9 71.9#
57 29.1 16.5 24.7#
100 0.3 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.273 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041613.D
Acq: 14 Dec 2020 16:10

Tgt Ion: 129 Resp: 2638
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.842 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041613.D

Acq: 14 Dec 2020 16:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7209

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.2

