

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122920\
 Data File : VU041832.D
 Acq On : 29 Dec 2020 12:33
 Operator : SY/MD
 Sample : L5204-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL6

Quant Time: Dec 30 01:50:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 30 01:48:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	144344	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	142199	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63147	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	55812	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.92	69	53837	6.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.20%
11) 1,1-Dichloroethene-d2	2.58	63	80954	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.65	46	176429	54.43	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.86%
24) Chloroform-d	5.08	84	110767	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
26) 1,2-Dichloroethane-d4	5.72	65	53891	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	194108	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.70	67	60205	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.91	98	167586	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.18	79	23889	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	128273	40.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54053	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	60498	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

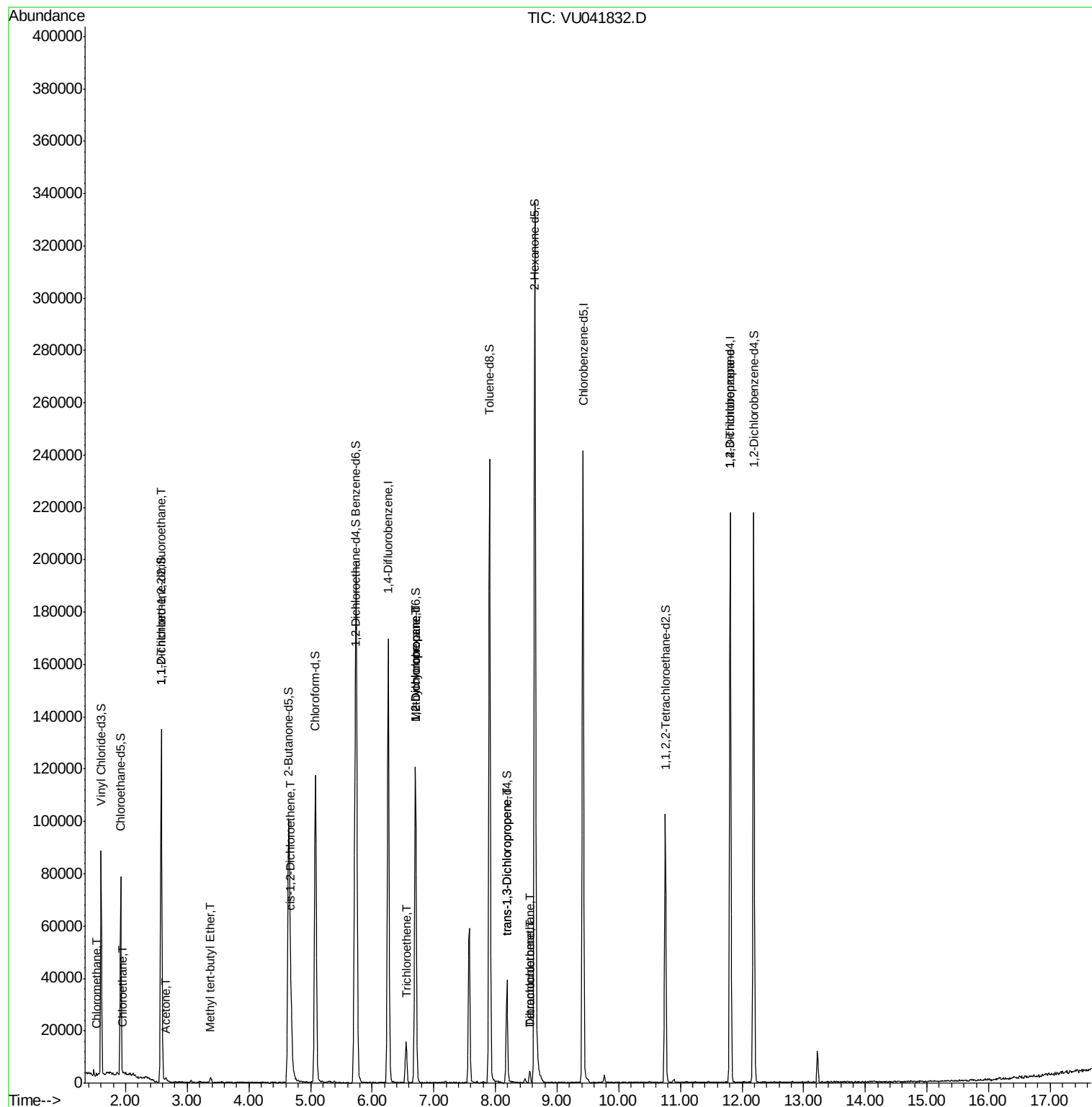
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	702	0.059	ug/L	96
8) Chloroethane	1.96	64	386	0.043	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	649	0.065	ug/L #	22
13) Acetone	2.66	43	1690	0.820	ug/L	71
17) Methyl tert-butyl Ether	3.38	73	2300	0.088	ug/L #	79
22) cis-1,2-Dichloroethene	4.68	96	5586	0.499	ug/L	99
34) Trichloroethene	6.55	95	5439	0.476	ug/L	97
35) Methylcyclohexane	6.70	83	14202	0.769	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6319	0.543	ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	810	0.053	ug/L #	63
47) Tetrachloroethene	8.56	164	1184	0.148	ug/L	90
49) Dibromochloromethane	8.56	129	1059	0.107	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6719	0.769	ug/L	94

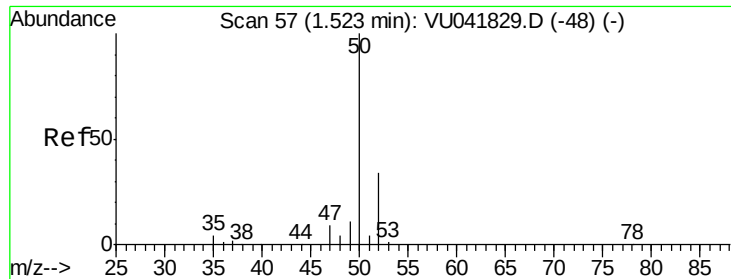
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.059 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041832.D

Acq: 29 Dec 2020 12:33

Instrument :

MSVOA_U

ClientSampleId :

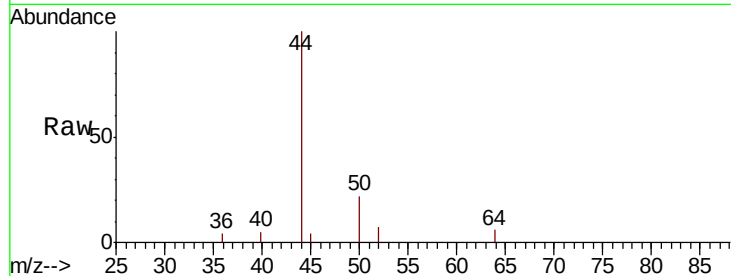
C0AL6

Tot Ion: 50 Resp: 702

Ion Ratio Lower Upper

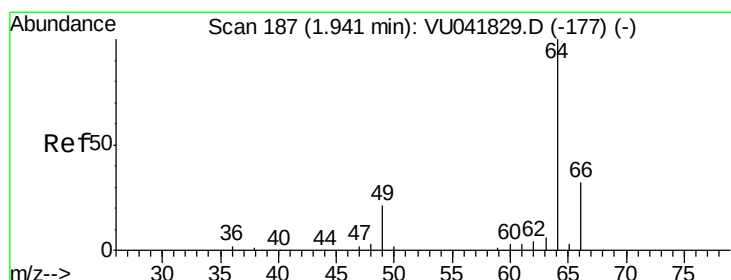
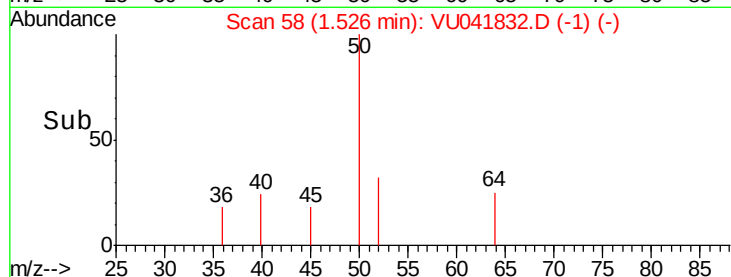
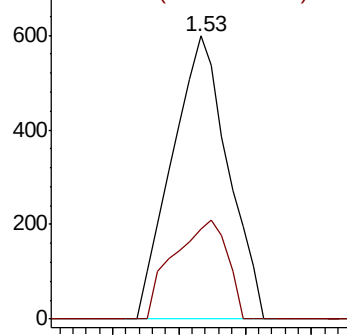
50 100

52 31.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.043 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.02 min

Lab File: VU041832.D

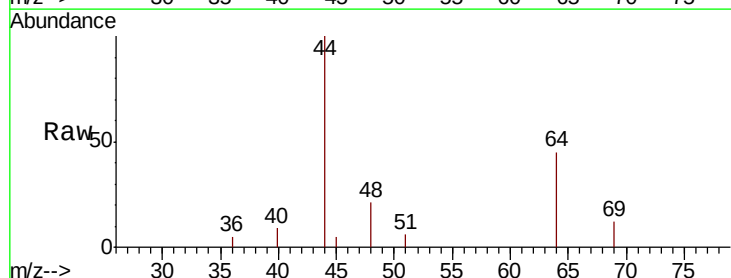
Acq: 29 Dec 2020 12:33

Tgt Ion: 64 Resp: 386

Ion Ratio Lower Upper

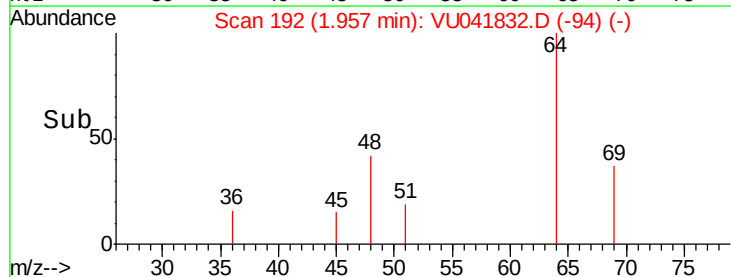
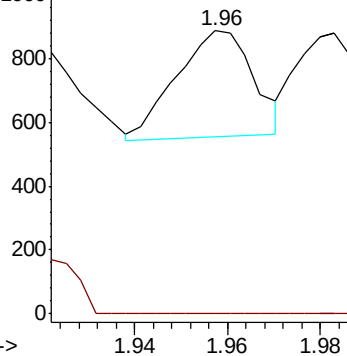
64 100

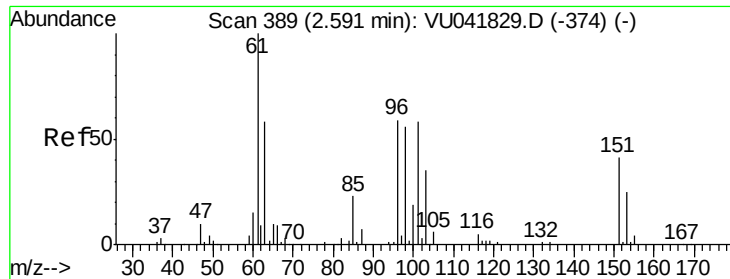
66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.065 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041832.D

Acq: 29 Dec 2020 12:33

Instrument :

MSVOA_U

ClientSampleId :

C0AL6

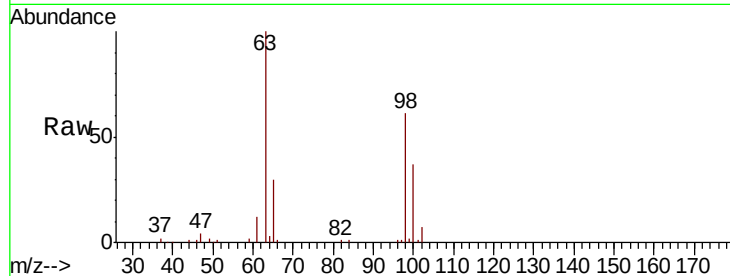
Tot Ion:101 Resp: 649

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

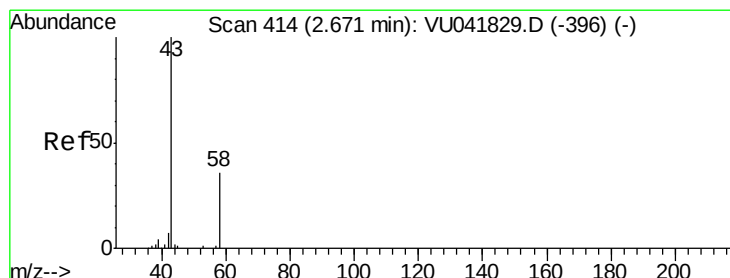
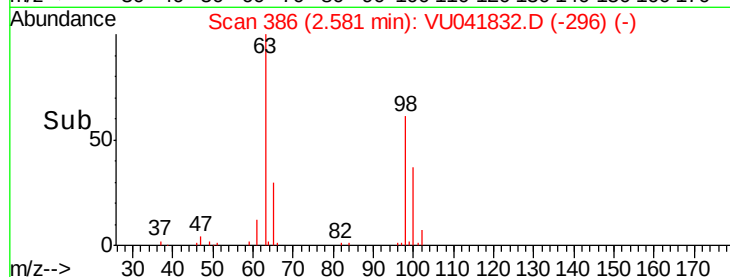
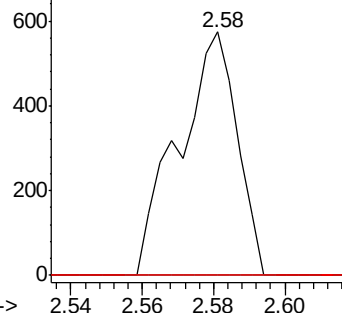
151 0.0 56.2 84.4#



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



#13

Acetone

Concen: 0.820 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU041832.D

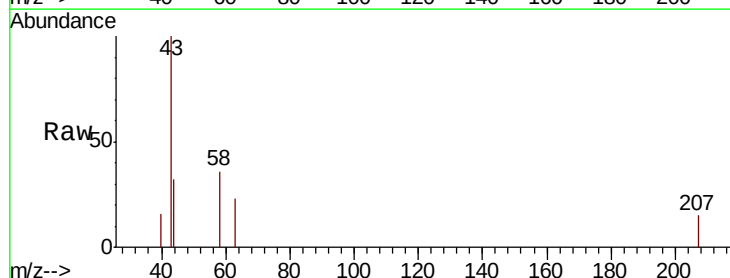
Acq: 29 Dec 2020 12:33

Tgt Ion: 43 Resp: 1690

Ion Ratio Lower Upper

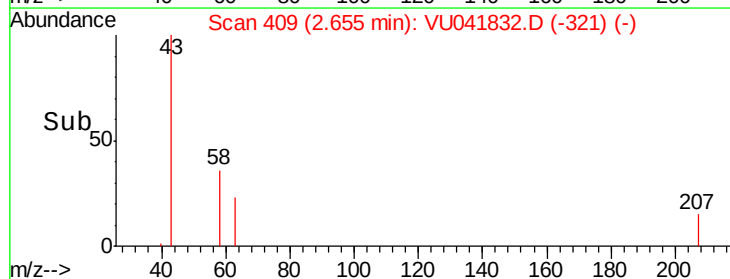
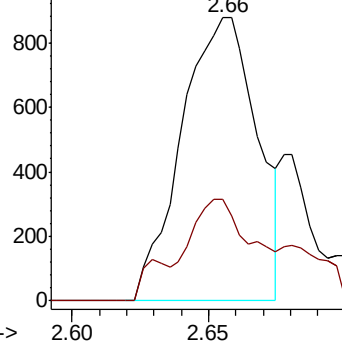
43 100

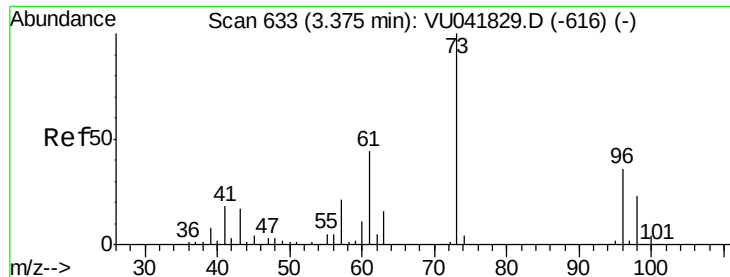
58 19.3 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

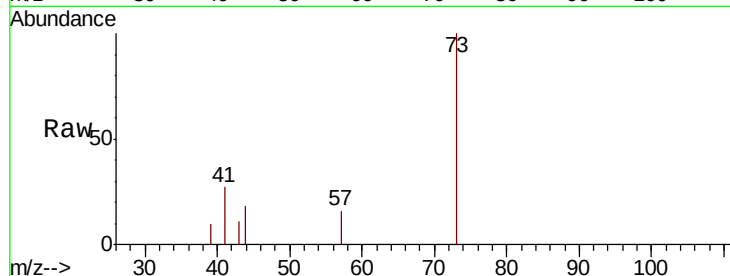




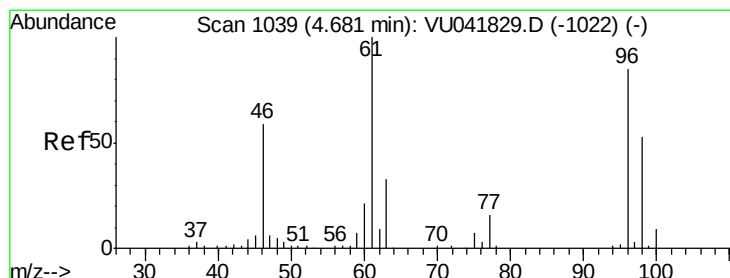
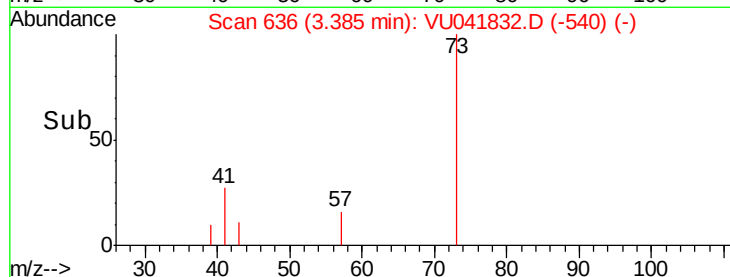
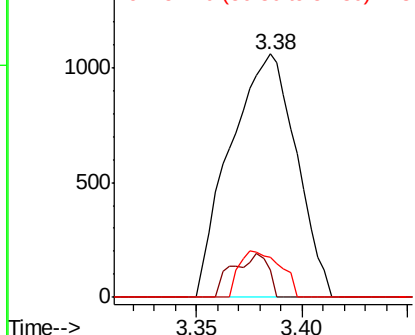
#17
Methyl tert-butyl Ether
Concen: 0.088 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU041832.D
Acq: 29 Dec 2020 12:33

Instrument :
MSVOA_U
ClientSampled :
C0AL6

Tot Ion: 73 Resp: 2300
Ion Ratio Lower Upper
73 100
43 9.6 14.7 22.1#
57 11.9 18.2 27.4#

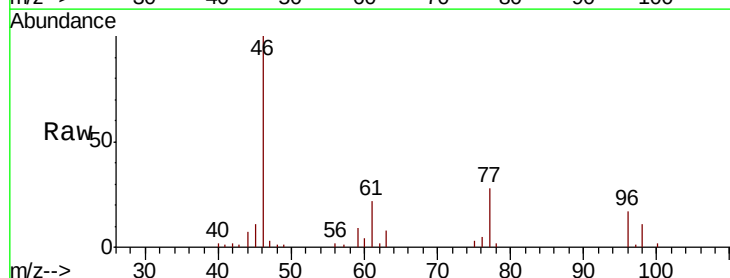


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

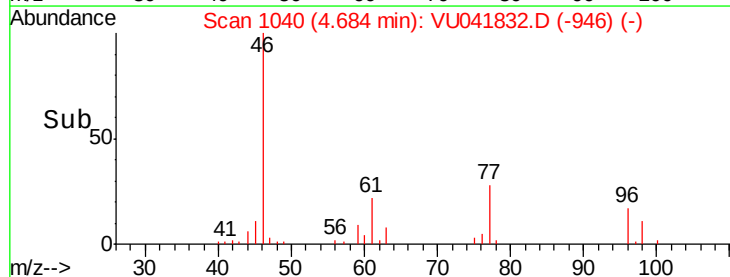
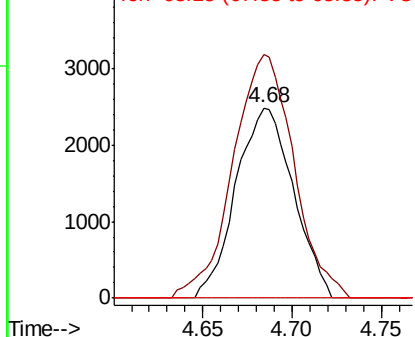


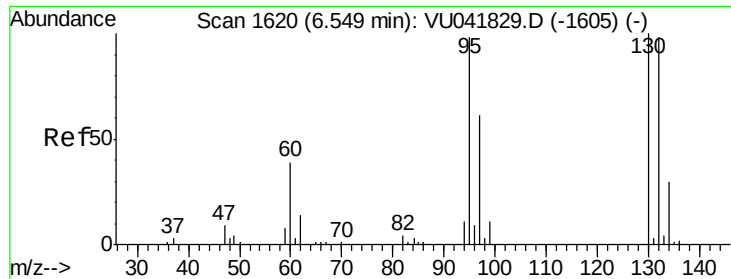
#22
cis-1,2-Dichloroethene
Concen: 0.499 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU041832.D
Acq: 29 Dec 2020 12:33

Tgt Ion: 96 Resp: 5586
Ion Ratio Lower Upper
96 100
61 128.1 88.8 165.0
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





#34

Trichloroethene

Concen: 0.476 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041832.D

Acq: 29 Dec 2020 12:33

Instrument :

MSVOA_U

ClientSampleId :

C0AL6

Tot Ion: 95 Resp: 5439

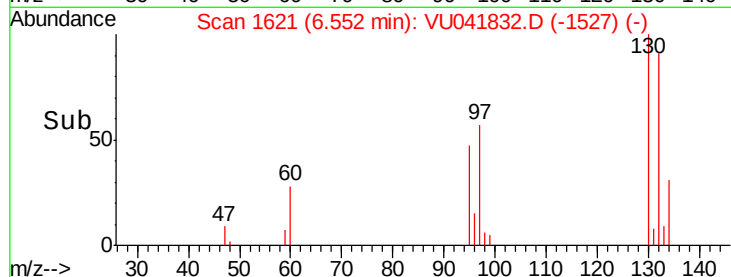
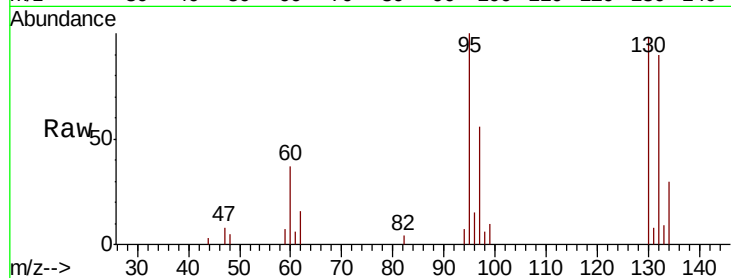
Ion Ratio Lower Upper

95 100

97 56.0 43.9 81.5

132 89.5 63.1 117.3

130 97.9 67.4 125.2

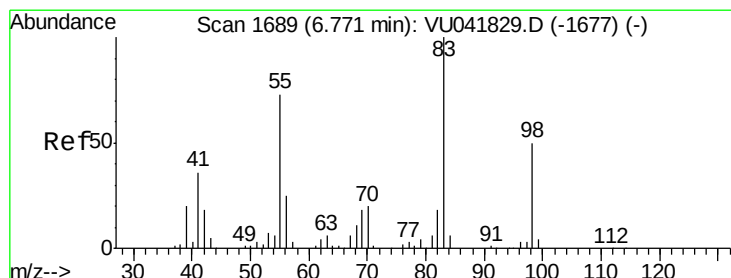
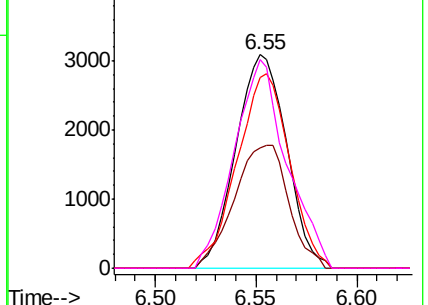


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.769 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041832.D

Acq: 29 Dec 2020 12:33

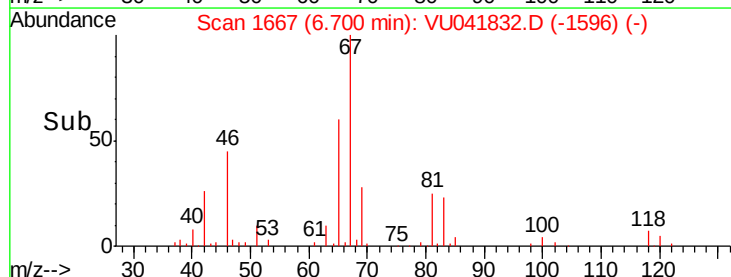
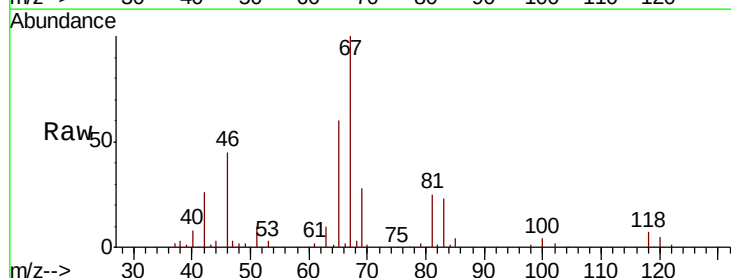
Tgt Ion: 83 Resp: 14202

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

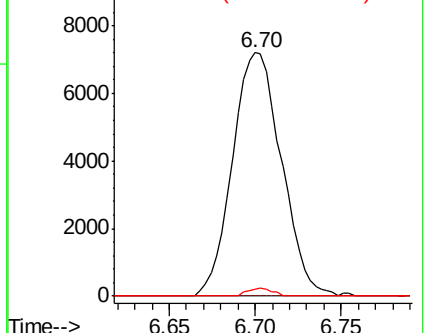
98 1.5 36.6 54.8#

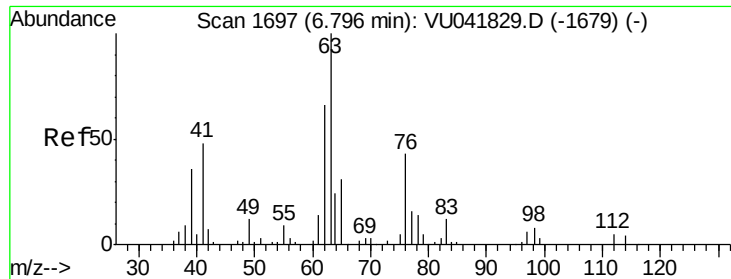


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

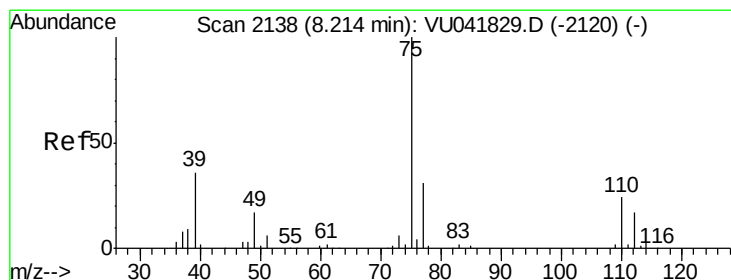
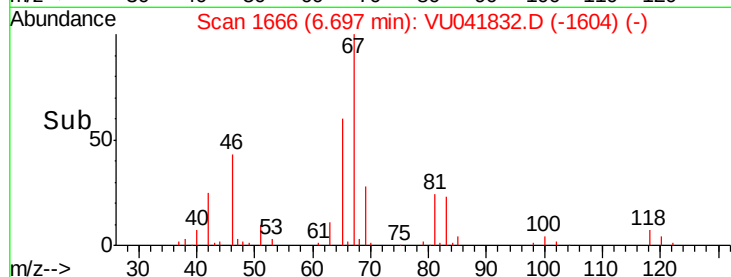
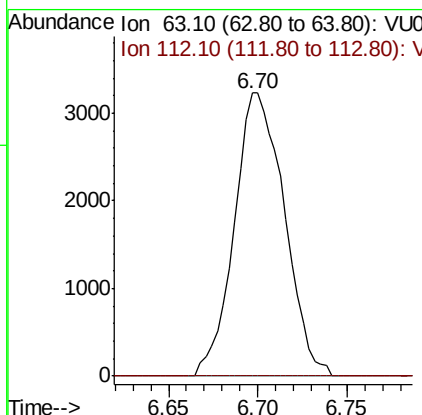
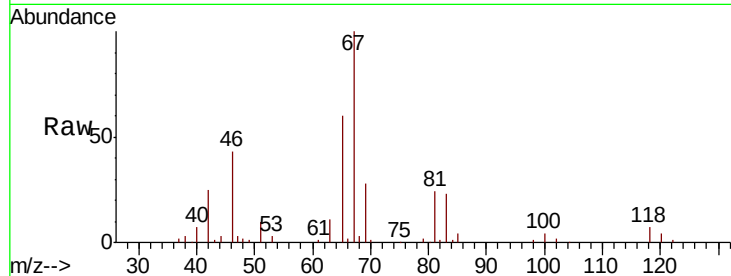




#37
 1,2-Dichloropropane
 Concen: 0.543 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.10 min
 Lab File: VU041832.D
 Acq: 29 Dec 2020 12:33

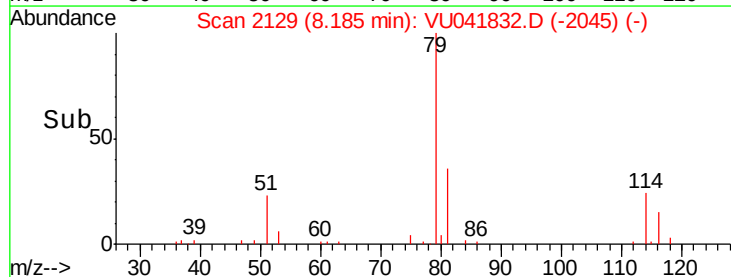
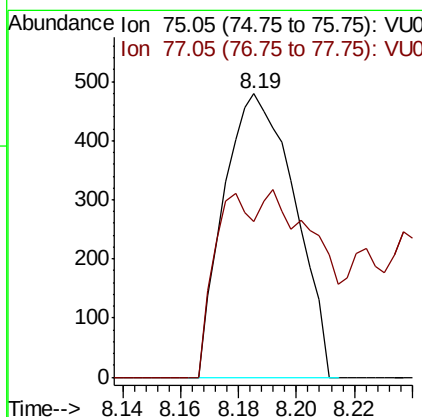
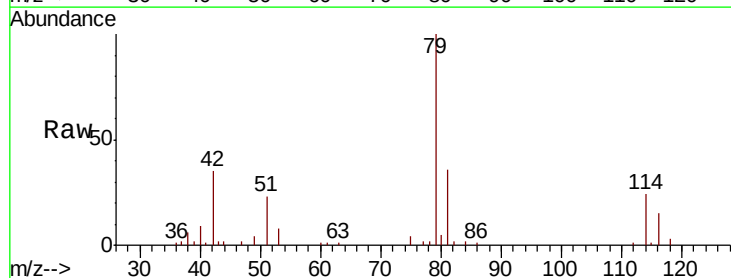
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL6

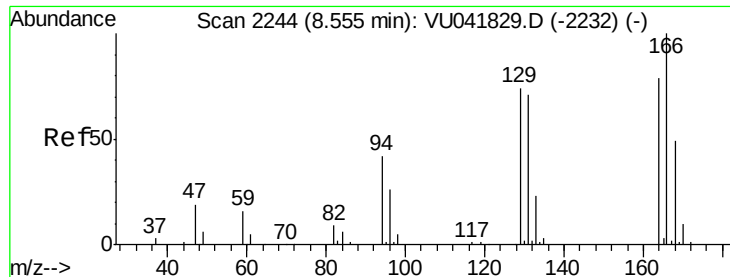
Tot Ion: 63 Resp: 6319
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.053 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041832.D
 Acq: 29 Dec 2020 12:33

Tgt Ion: 75 Resp: 810
 Ion Ratio Lower Upper
 75 100
 77 55.1 23.8 44.2#





#47

Tetrachloroethene

Concen: 0.148 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041832.D

Acq: 29 Dec 2020 12:33

Instrument :

MSVOA_U

ClientSampleId :

C0AL6

Tot Ion:164 Resp: 1184

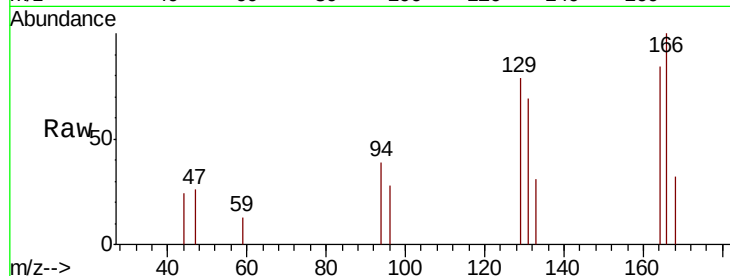
Ion Ratio Lower Upper

164 100

129 93.8 72.2 134.0

131 81.9 66.9 124.3

166 119.4 89.6 166.4

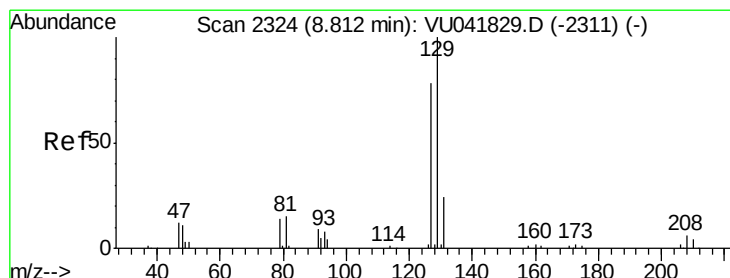
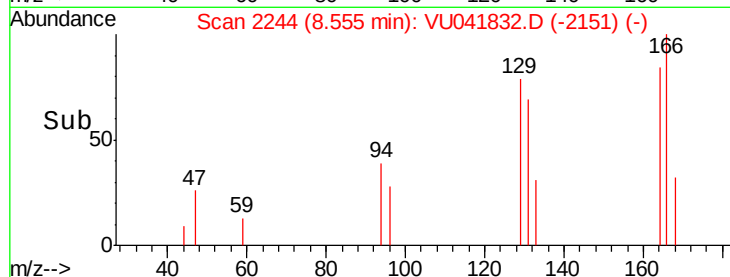
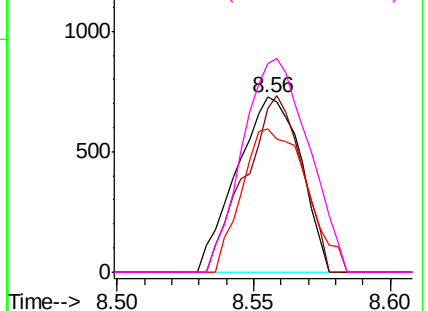


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.107 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041832.D

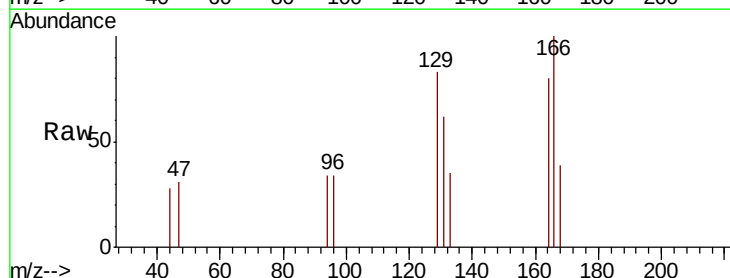
Acq: 29 Dec 2020 12:33

Tgt Ion:129 Resp: 1059

Ion Ratio Lower Upper

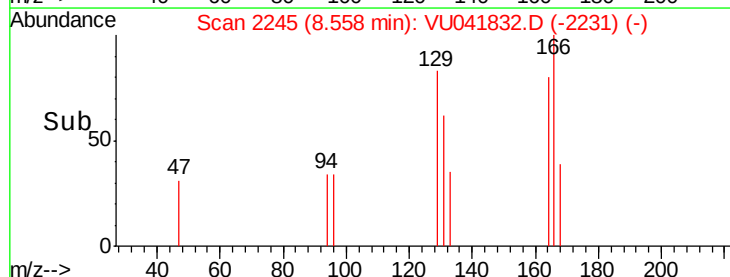
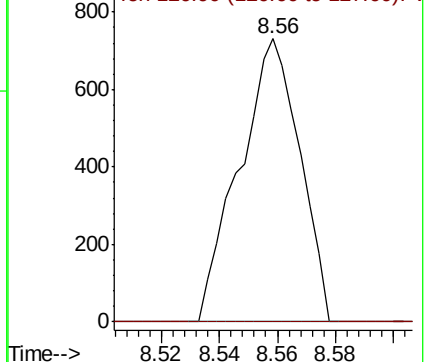
129 100

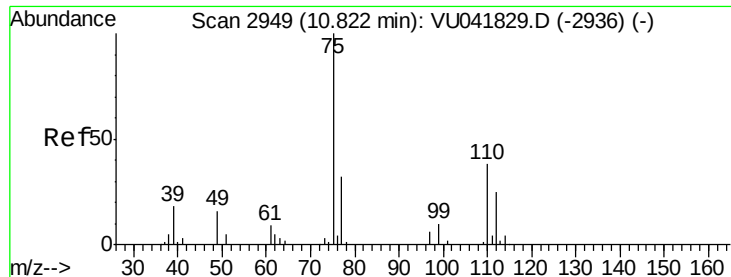
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.769 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041832.D

Acq: 29 Dec 2020 12:33

Instrument :

MSVOA_U

ClientSampleId :

C0AL6

Tot Ion: 75 Resp: 6719

Ion Ratio Lower Upper

75 100

77 29.1 26.2 39.2

