

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111720\
 Data File : VU041276.D
 Acq On : 17 Nov 2020 13:17
 Operator : SY/MD
 Sample : L4759-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4428

Quant Time: Nov 17 22:35:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 17 22:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	69775	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30338	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25550	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	22115	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	38151	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.65	46	105122	49.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.34%
24) Chloroform-d	5.08	84	56530	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	34767	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.74	84	101524	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.70	67	35482	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.91	98	84030	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	13112	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.64	63	72514	46.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30526	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	32314	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	16235	2.680	ug/L	87
8) Chloroethane	1.96	64	129	0.032	ug/L #	43
12) 1,1-Dichloroethene	2.59	96	1161	0.256	ug/L #	1
13) Acetone	2.67	43	1091	0.777	ug/L #	60
17) Methyl tert-butyl Ether	3.38	73	5615	0.452	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	23148	5.233	ug/L	99
19) 1,1-Dichloroethane	3.89	63	5768	0.583	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	305503	61.150	ug/L	98
25) Chloroform	5.11	83	1182	0.110	ug/L	96
33) Benzene	5.78	78	2370	0.121	ug/L	100
34) Trichloroethene	6.56	95	447966	84.391	ug/L	98
35) Methylcyclohexane	6.70	83	8159	1.157	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	4191	0.730	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	882	0.110	ug/L #	36
44) trans-1,3-Dichloropropene	8.19	75	510	0.067	ug/L #	44
47) Tetrachloroethene	8.56	164	14484	3.693	ug/L	91
48) 2-Hexanone	8.64	43	10831	3.054	ug/L #	73

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 17 22:32:58 2020
Response via : Initial Calibration

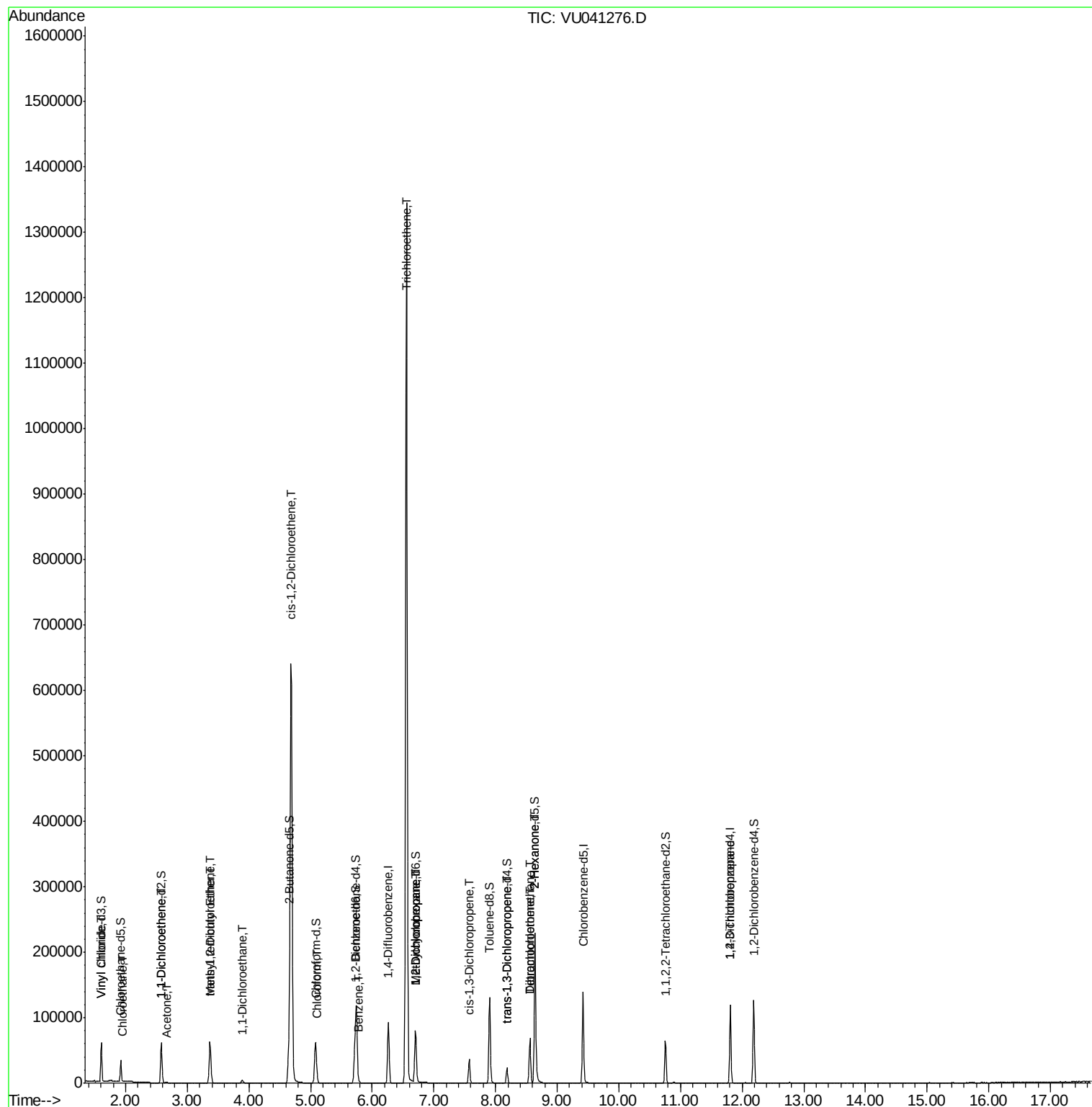
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	14345	2.727	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	4017	0.887	ug/L	92

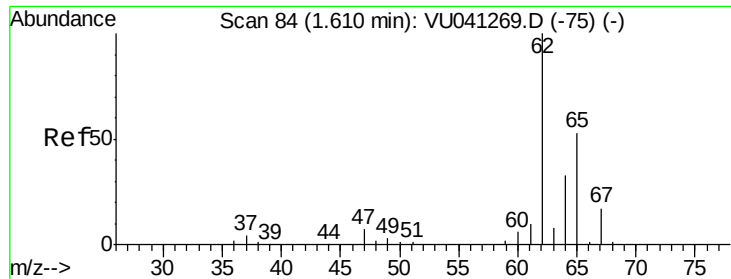
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111720\
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#5

Vinyl chloride

Concen: 2.680 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

ClientSampled :

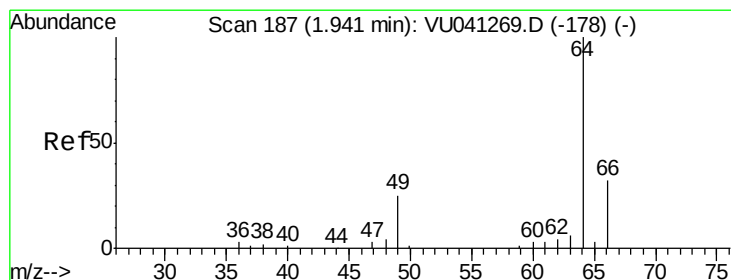
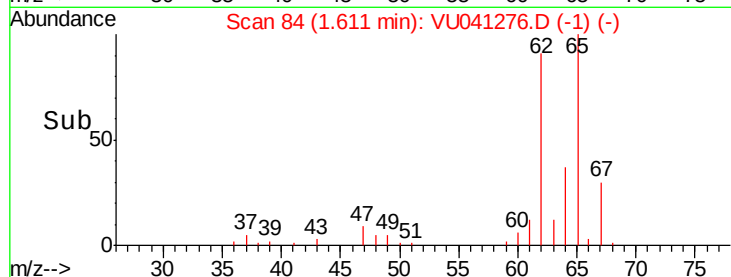
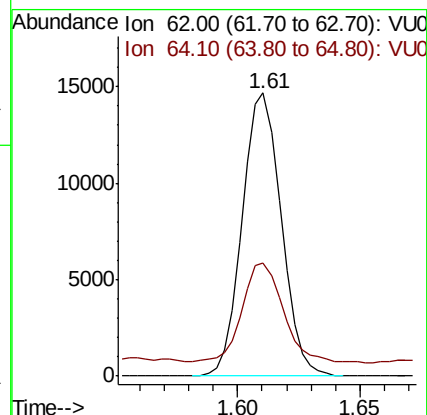
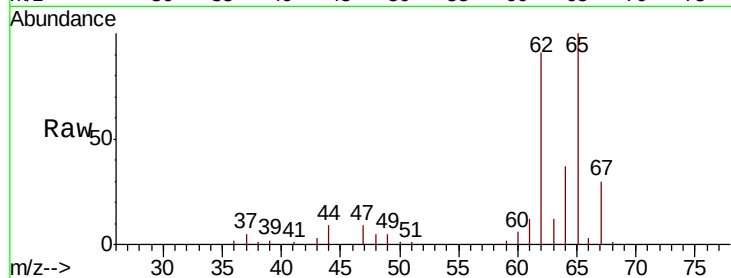
H4428

Tot Ion: 62 Resp: 16235

Ion Ratio Lower Upper

62 100

64 40.0 22.7 42.3



#8

Chloroethane

Concen: 0.032 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.02 min

Lab File: VU041276.D

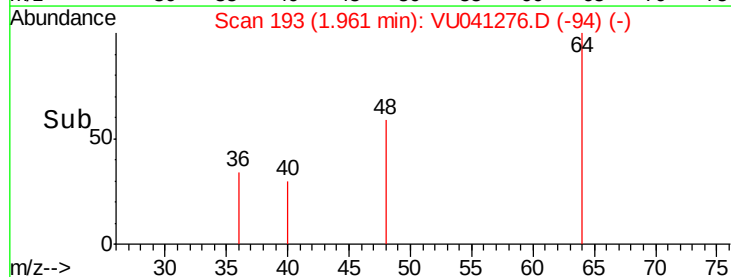
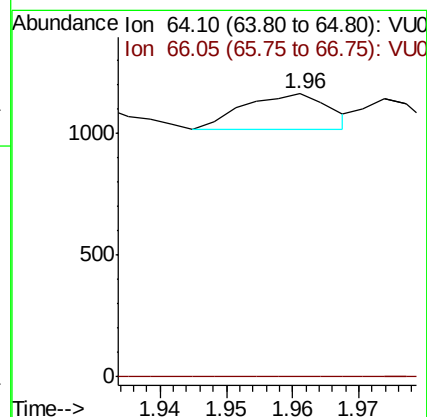
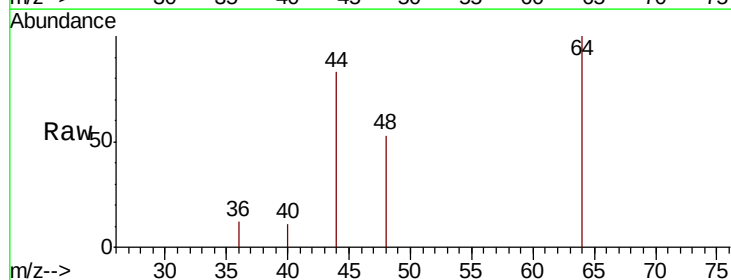
Acq: 17 Nov 2020 13:17

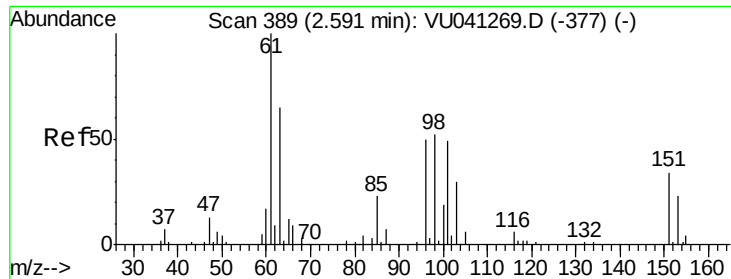
Tgt Ion: 64 Resp: 129

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#

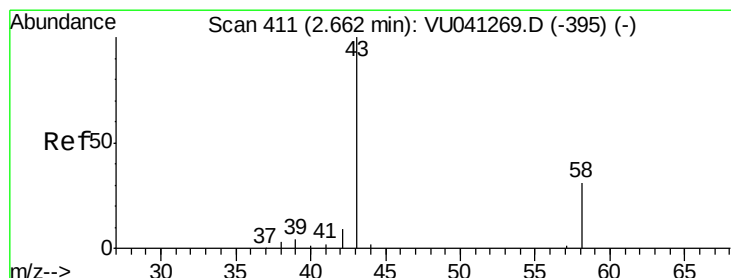
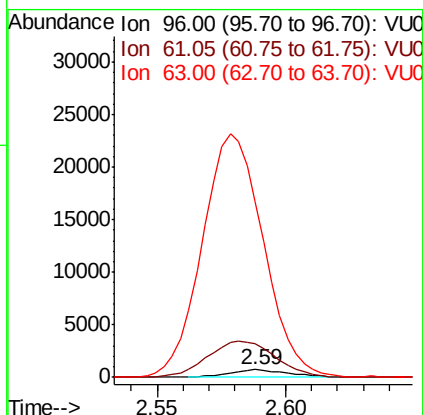
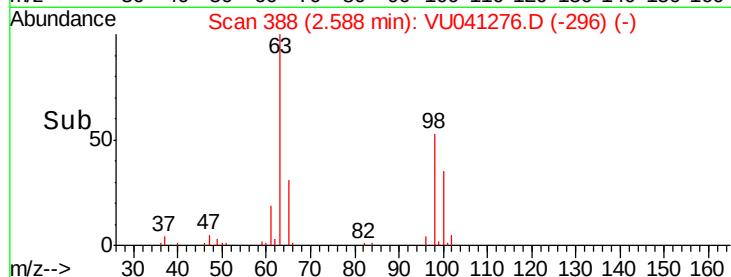
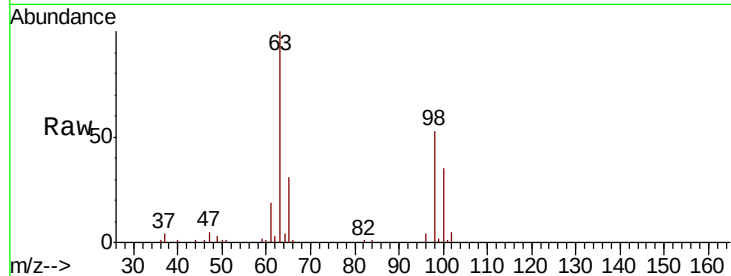




#12
 1,1-Dichloroethene
 Concen: 0.256 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

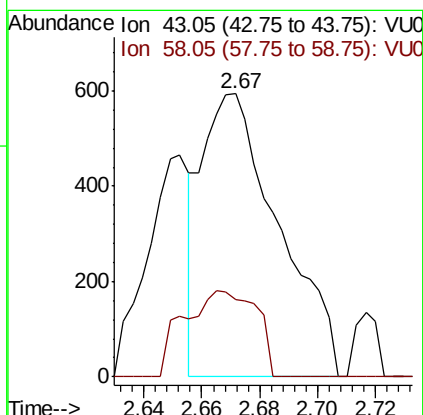
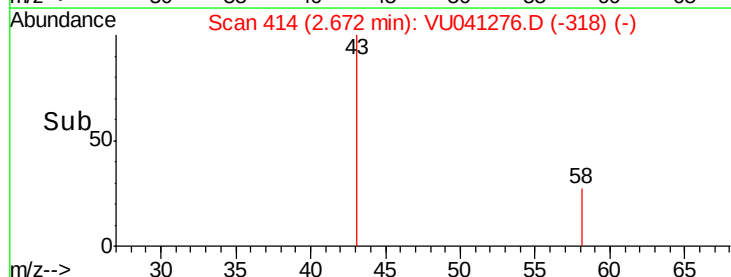
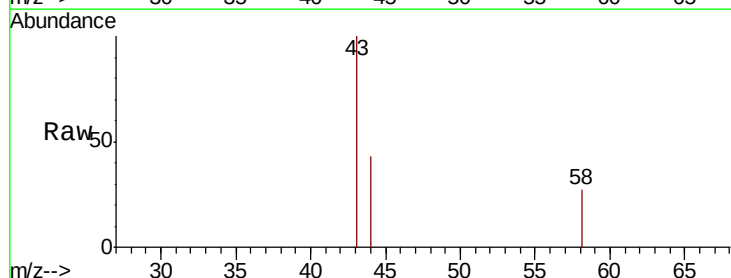
Instrument :
 MSVOA_U
 ClientSampleId :
 H4428

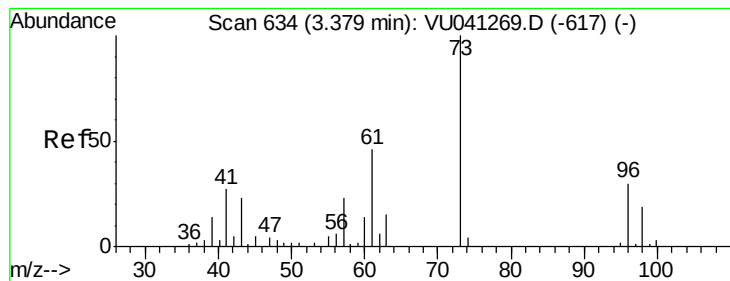
Tot Ion: 96 Resp: 1161
 Ion Ratio Lower Upper
 96 100
 61 419.9 134.3 249.5#
 63 2223.8 95.0 176.4#



#13
 Acetone
 Concen: 0.777 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. 0.01 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

Tgt Ion: 43 Resp: 1091
 Ion Ratio Lower Upper
 43 100
 58 28.7 0.0 25.4#



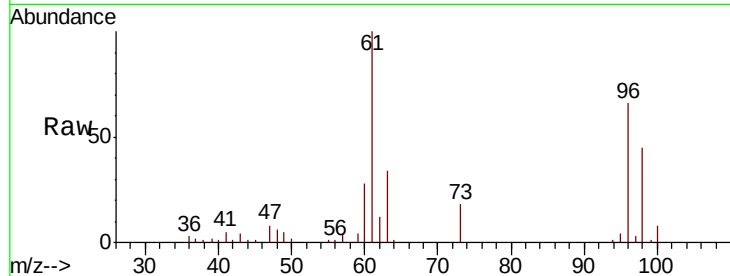


#17

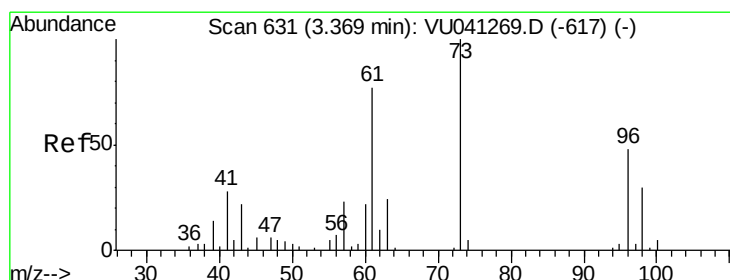
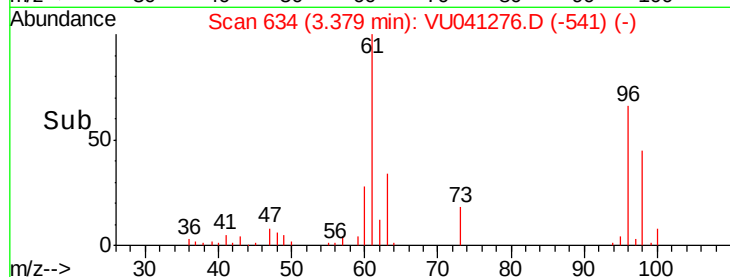
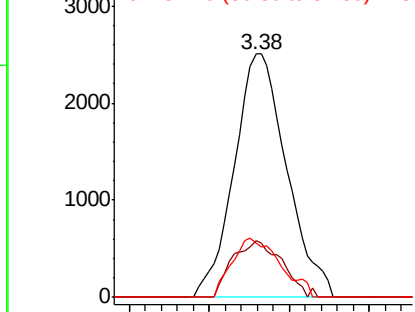
Methyl tert-butyl Ether
 Concen: 0.452 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

Instrument :
 MSVOA_U
 ClientSampleID :
 H4428

Tot Ion: 73 Resp: 5615
 Ion Ratio Lower Upper
 73 100
 43 22.0 18.5 27.7
 57 22.3 18.4 27.6



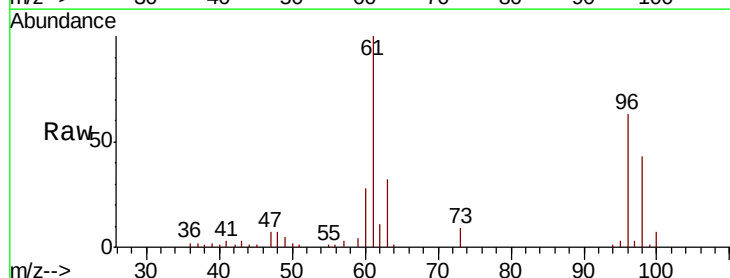
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



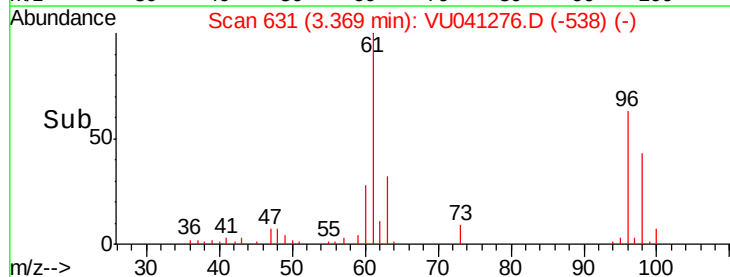
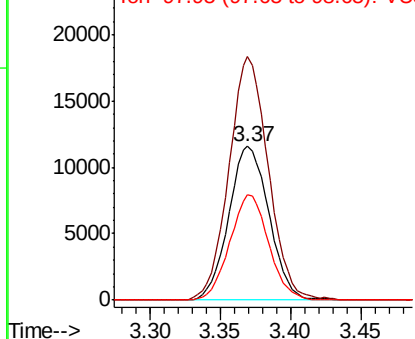
#18

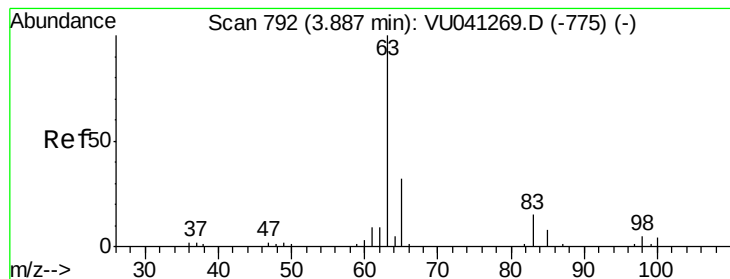
trans-1,2-Dichloroethene
 Concen: 5.233 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

Tgt Ion: 96 Resp: 23148
 Ion Ratio Lower Upper
 96 100
 61 158.6 110.9 205.9
 98 68.4 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.583 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

ClientSampleId :

H4428

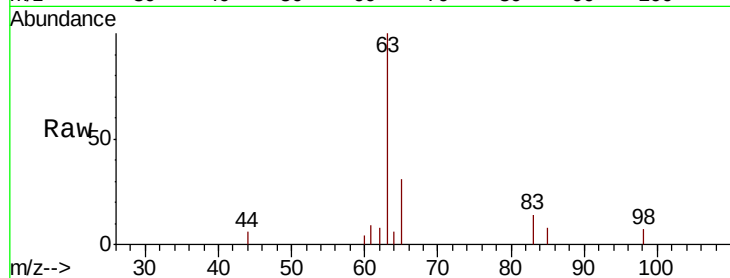
Tot Ion: 63 Resp: 5768

Ion Ratio Lower Upper

63 100

65 31.0 21.3 39.6

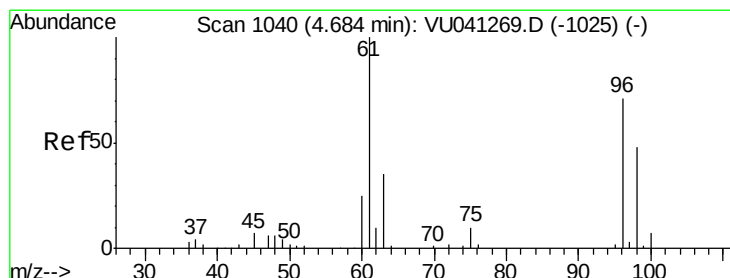
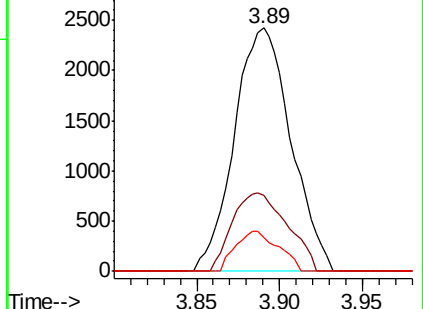
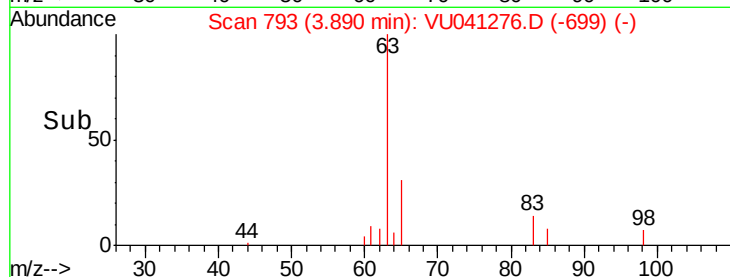
83 13.9 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041276.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041276.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041276.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 61.150 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

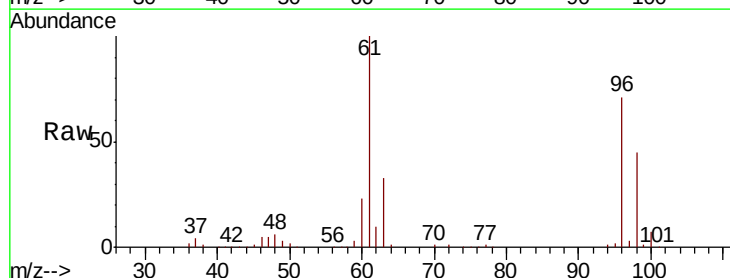
Tgt Ion: 96 Resp: 305503

Ion Ratio Lower Upper

96 100

61 141.1 97.2 180.4

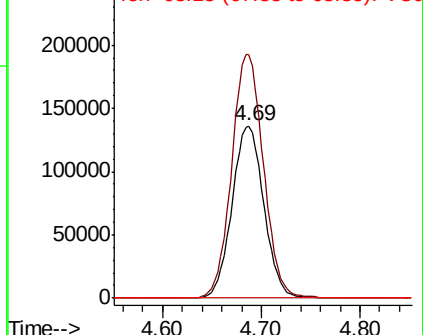
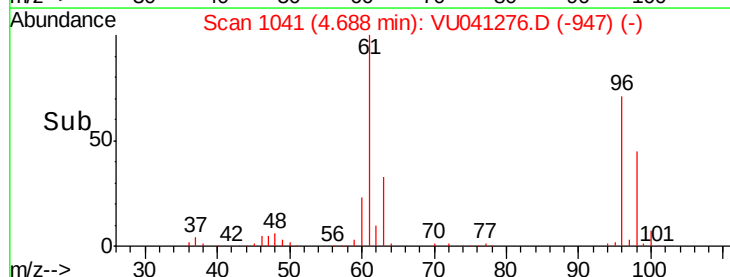
68 0.0 0.0 0.0

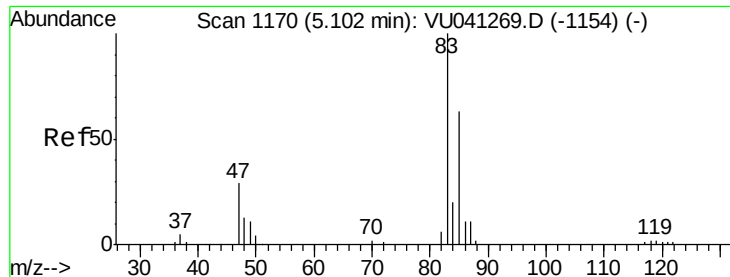


Abundance Ion 96.00 (95.70 to 96.70): VU041276.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041276.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041276.D (-947) (-)

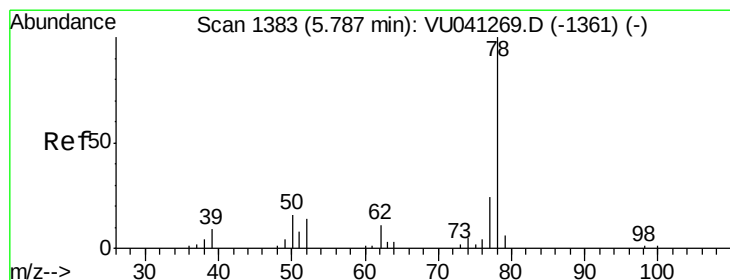
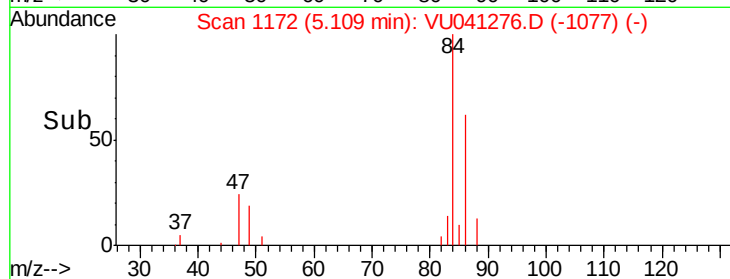
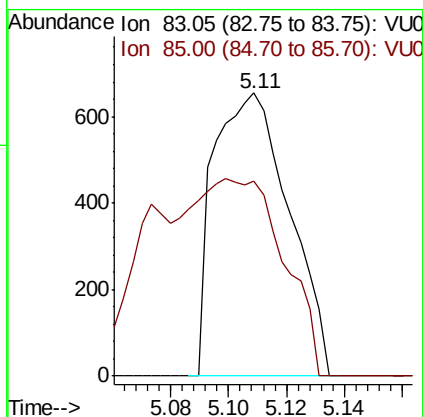
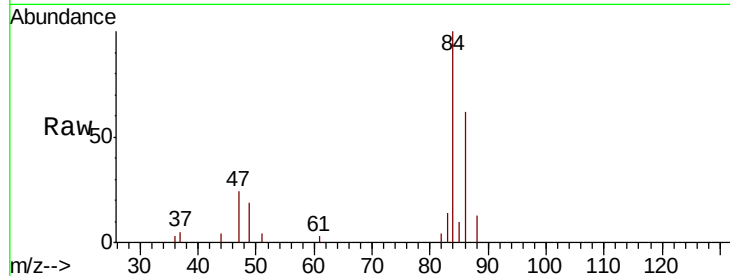




#25
Chloroform
Concen: 0.110 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041276.D
Acq: 17 Nov 2020 13:17

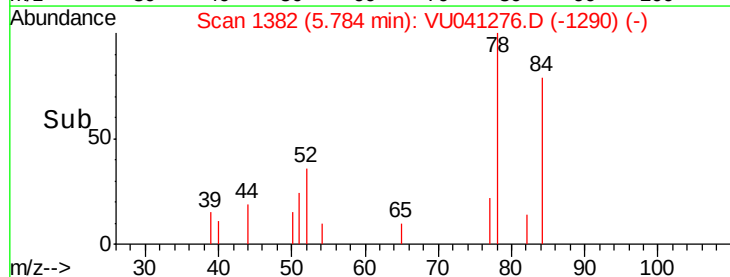
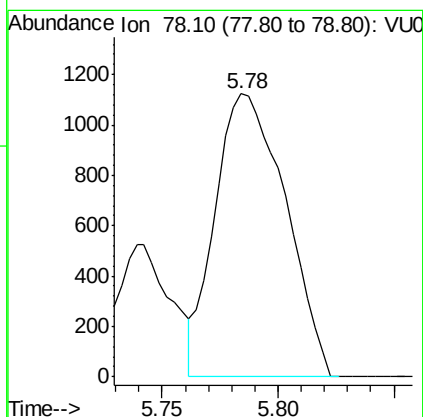
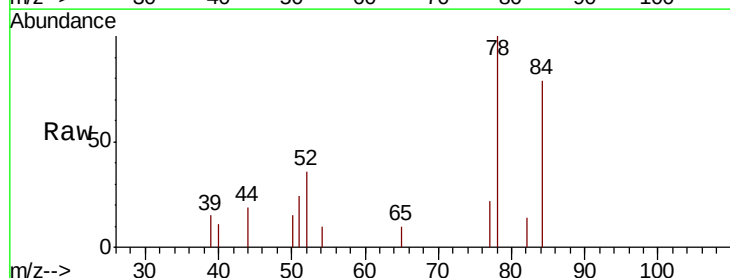
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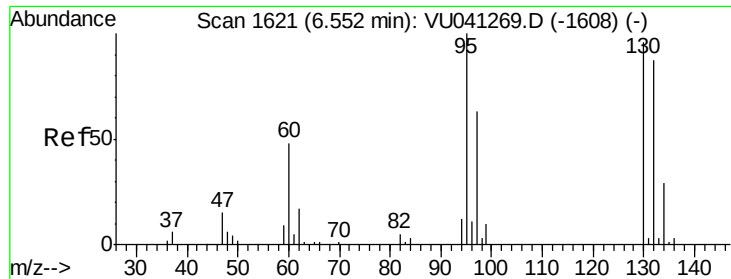
Tot Ion: 83 Resp: 1182
Ion Ratio Lower Upper
83 100
85 68.8 46.1 85.7



#33
Benzene
Concen: 0.121 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VU041276.D
Acq: 17 Nov 2020 13:17

Tgt Ion: 78 Resp: 2370





#34

Trichloroethene

Concen: 84.391 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

ClientSampleId :

H4428

Tot Ion: 95 Resp: 447966

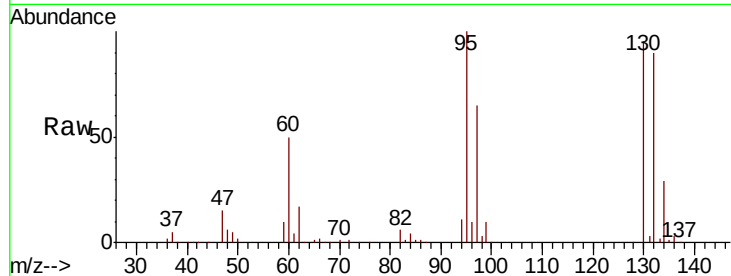
Ion Ratio Lower Upper

95 100

97 64.8 45.6 84.6

132 89.9 64.8 120.4

130 94.7 64.8 120.4

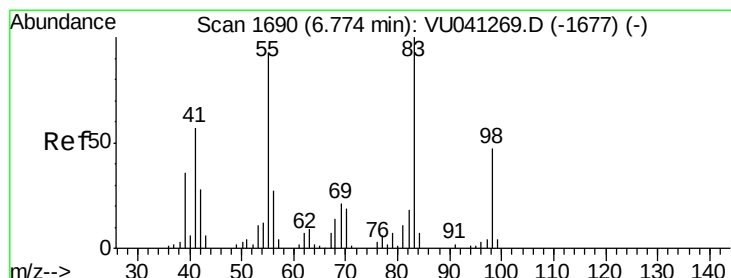
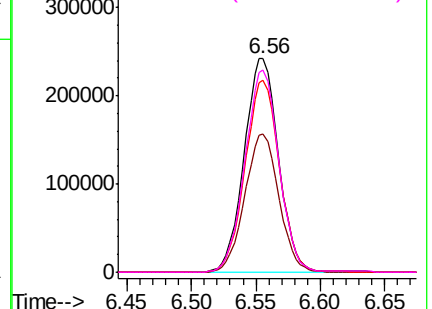
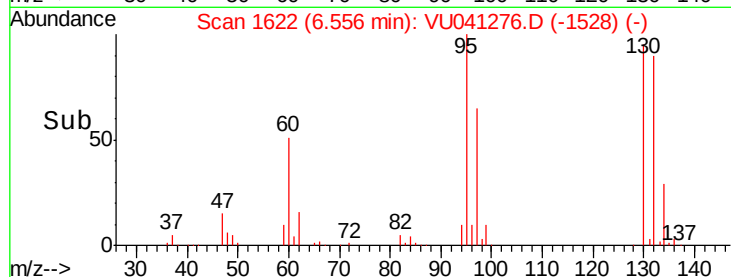


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.157 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

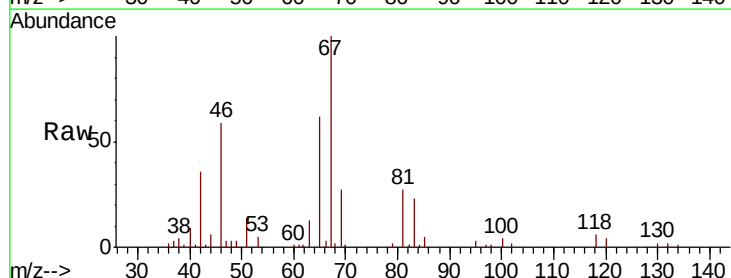
Tgt Ion: 83 Resp: 8159

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

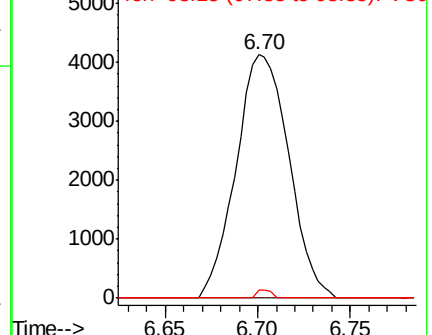
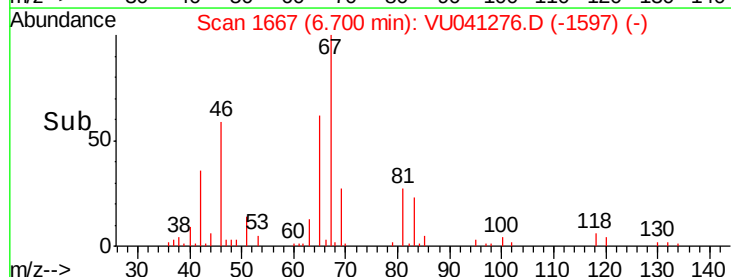
98 0.0 36.6 55.0#

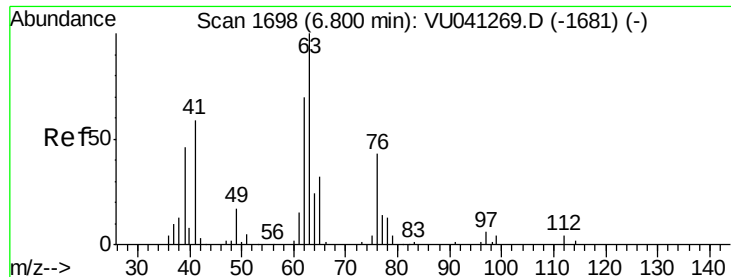


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

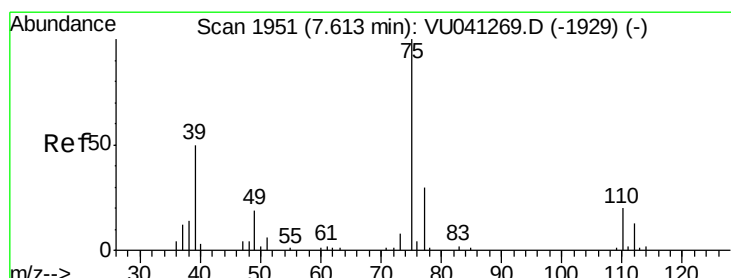
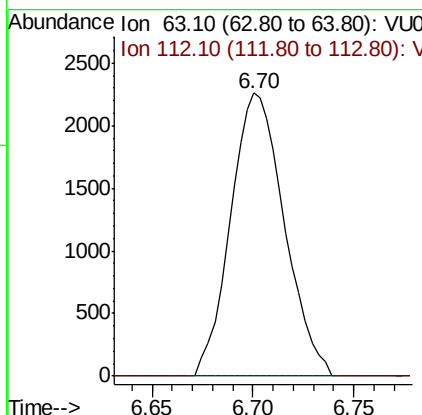
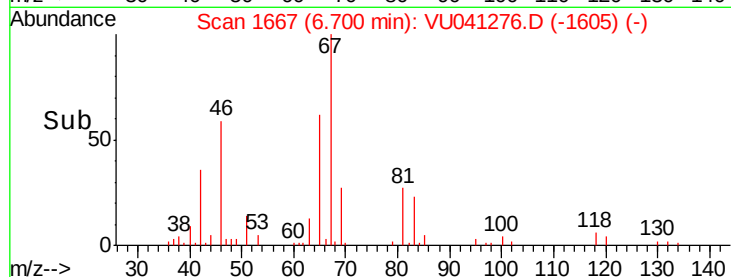
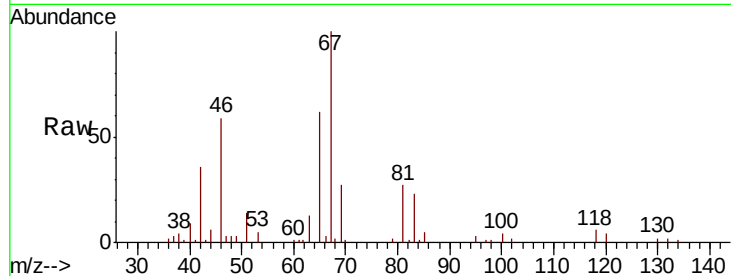




#37
 1,2-Dichloropropane
 Concen: 0.730 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

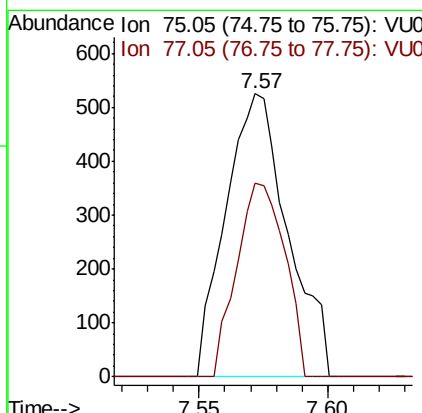
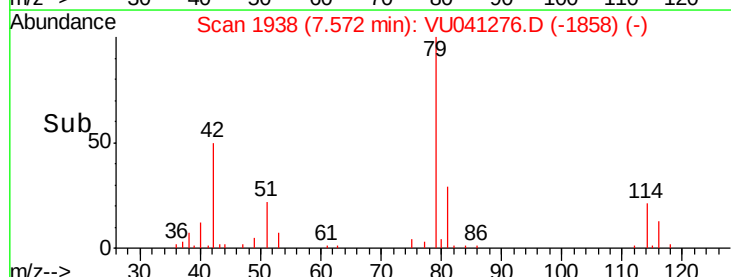
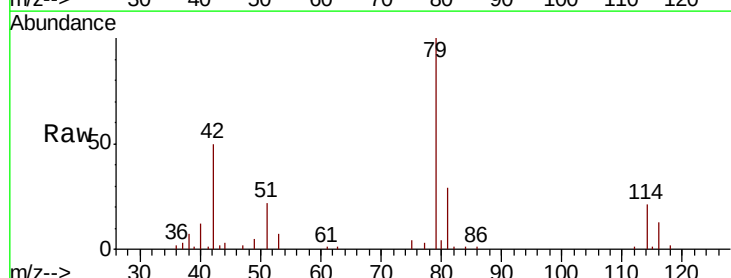
Instrument :
 MSVOA_U
 ClientSampleId :
 H4428

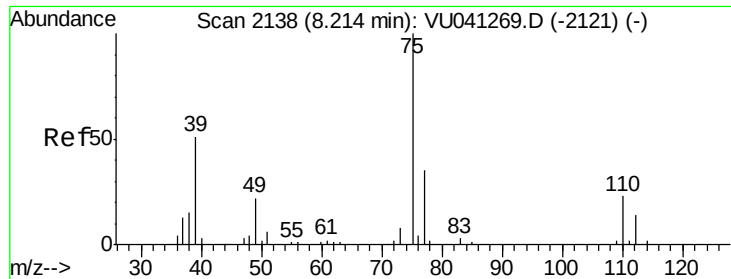
Tot Ion: 63 Resp: 4191
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041276.D
 Acq: 17 Nov 2020 13:17

Tgt Ion: 75 Resp: 882
 Ion Ratio Lower Upper
 75 100
 77 68.6 22.7 42.3#

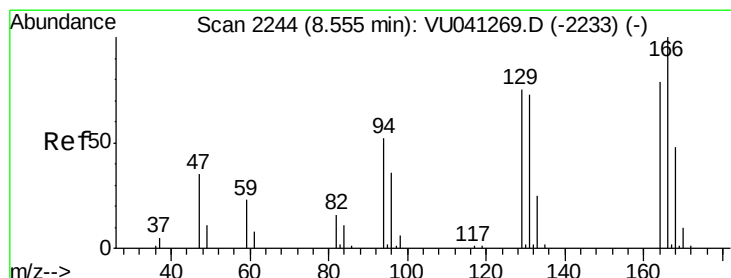
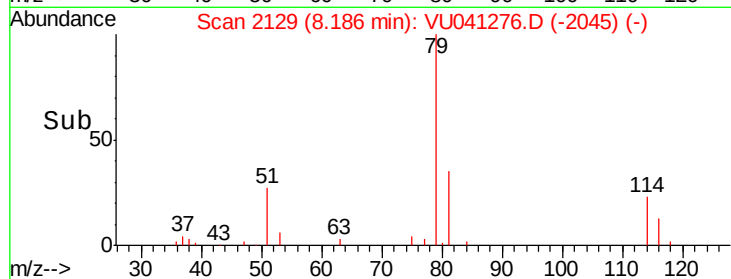
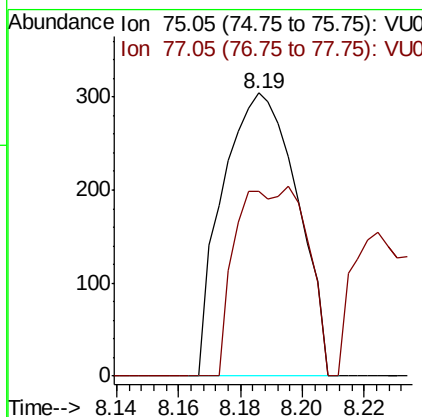
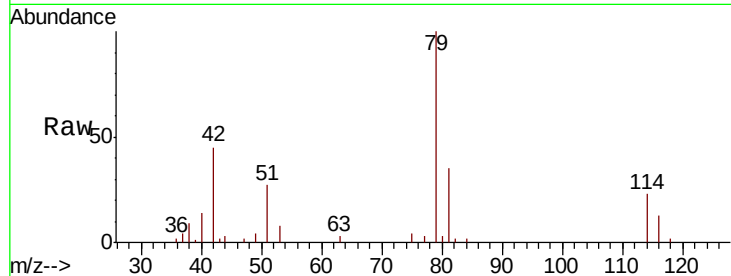




#44
trans-1,3-Dichloropropene
Concen: 0.067 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041276.D
Acq: 17 Nov 2020 13:17

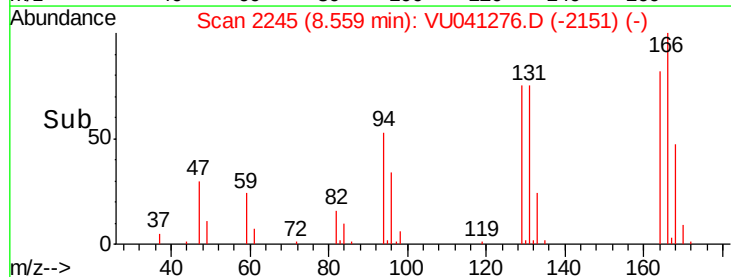
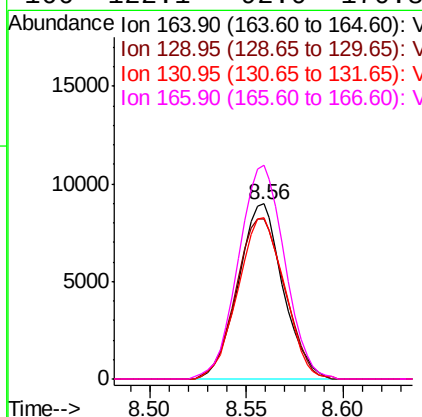
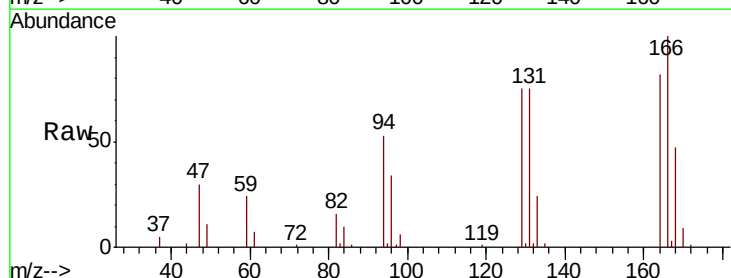
Instrument :
MSVOA_U
ClientSampleId :
H4428

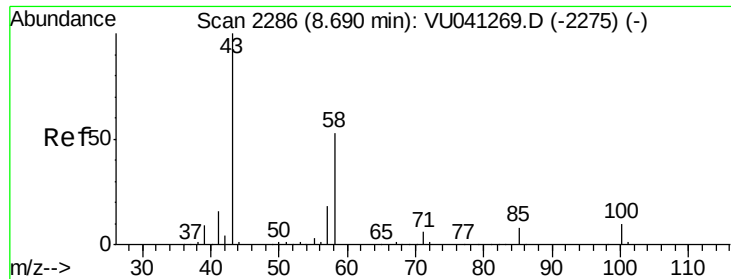
Tot Ion: 75 Resp: 510
Ion Ratio Lower Upper
75 100
77 65.1 23.3 43.3#



#47
Tetrachloroethene
Concen: 3.693 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041276.D
Acq: 17 Nov 2020 13:17

Tgt Ion:164 Resp: 14484
Ion Ratio Lower Upper
164 100
129 91.5 70.3 130.7
131 92.0 70.8 131.4
166 122.1 92.0 170.8

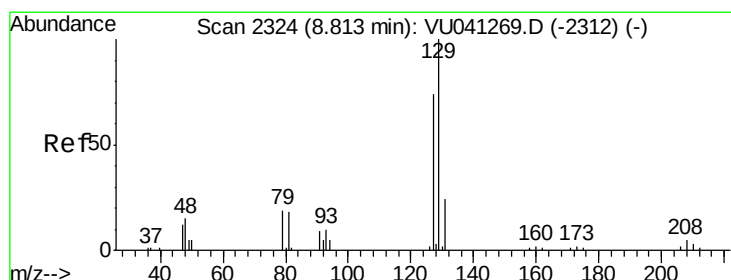
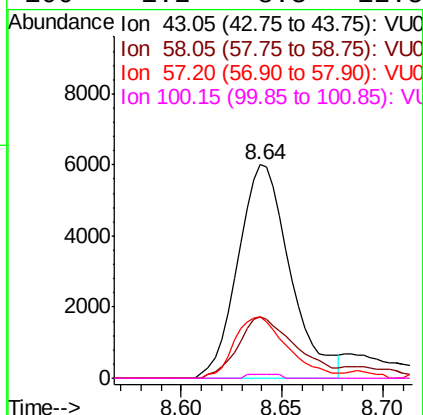
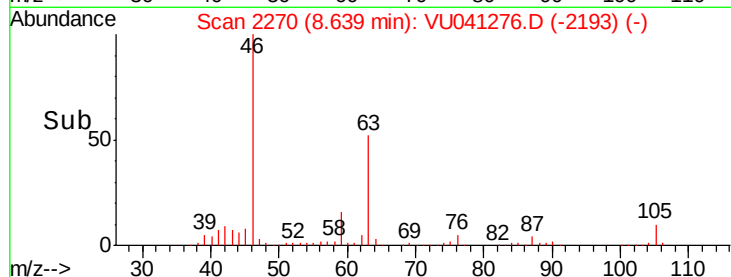
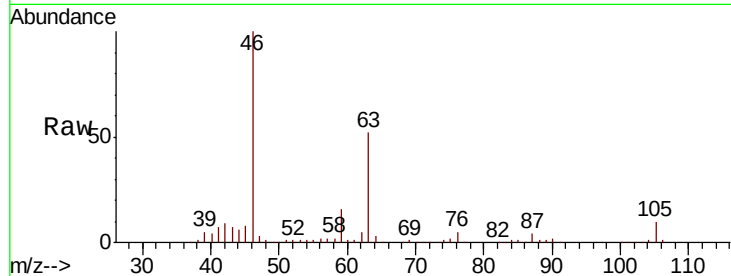




#48
2-Hexanone
Concen: 3.054 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041276.D
Acq: 17 Nov 2020 13:17

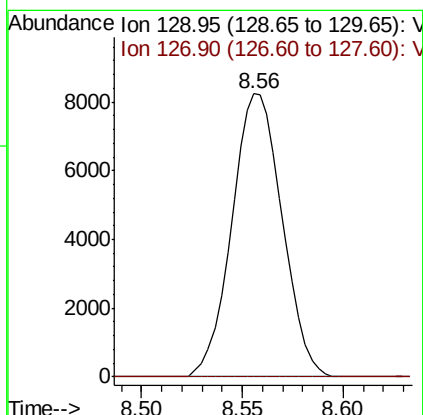
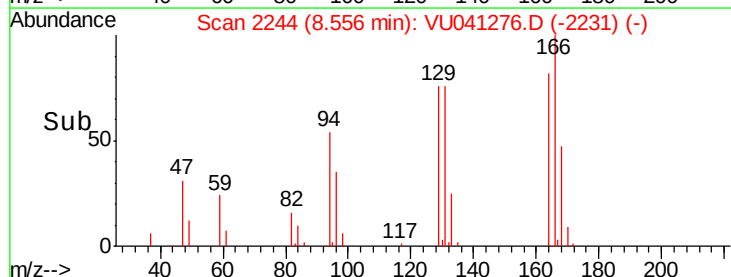
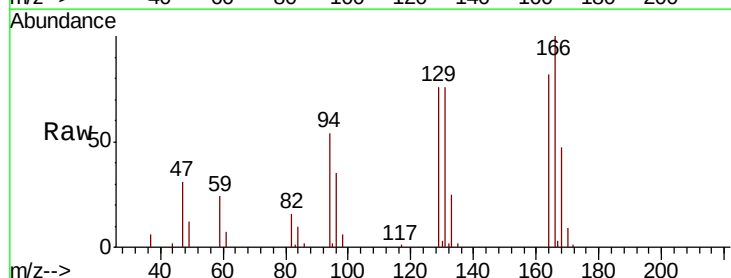
Instrument :
MSVOA_U
ClientSampleId :
H4428

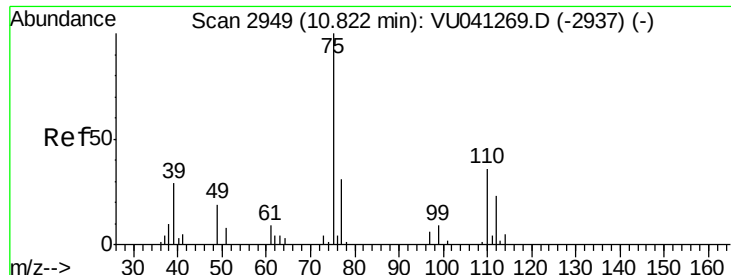
Tot Ion	Ratio	Lower	Upper
43	100		
58	31.9	41.4	62.2#
57	29.5	14.6	21.8#
100	1.2	8.3	12.5#



#49
Dibromochloromethane
Concen: 2.727 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041276.D
Acq: 17 Nov 2020 13:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.4	99.2#





#59

1,2,3-Trichloropropane

Concen: 0.887 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041276.D

Acq: 17 Nov 2020 13:17

Instrument :

MSVOA_U

ClientSampleId :

H4428

Tot Ion: 75 Resp: 4017

Ion Ratio Lower Upper

75 100

77 36.4 25.7 38.5

