

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111720\
 Data File : VU041277.D
 Acq On : 17 Nov 2020 13:40
 Operator : SY/MD
 Sample : L4759-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4429

Quant Time: Nov 17 22:35:21 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	68011	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	73067	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29988	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24384	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.92	69	22011	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.58	63	36829	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.65	46	94797	45.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.92%
24) Chloroform-d	5.08	84	55486	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.72	65	34107	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.75	84	97407	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	33982	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	78139	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	8.19	79	12115	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	66183	42.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29868	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	30652	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

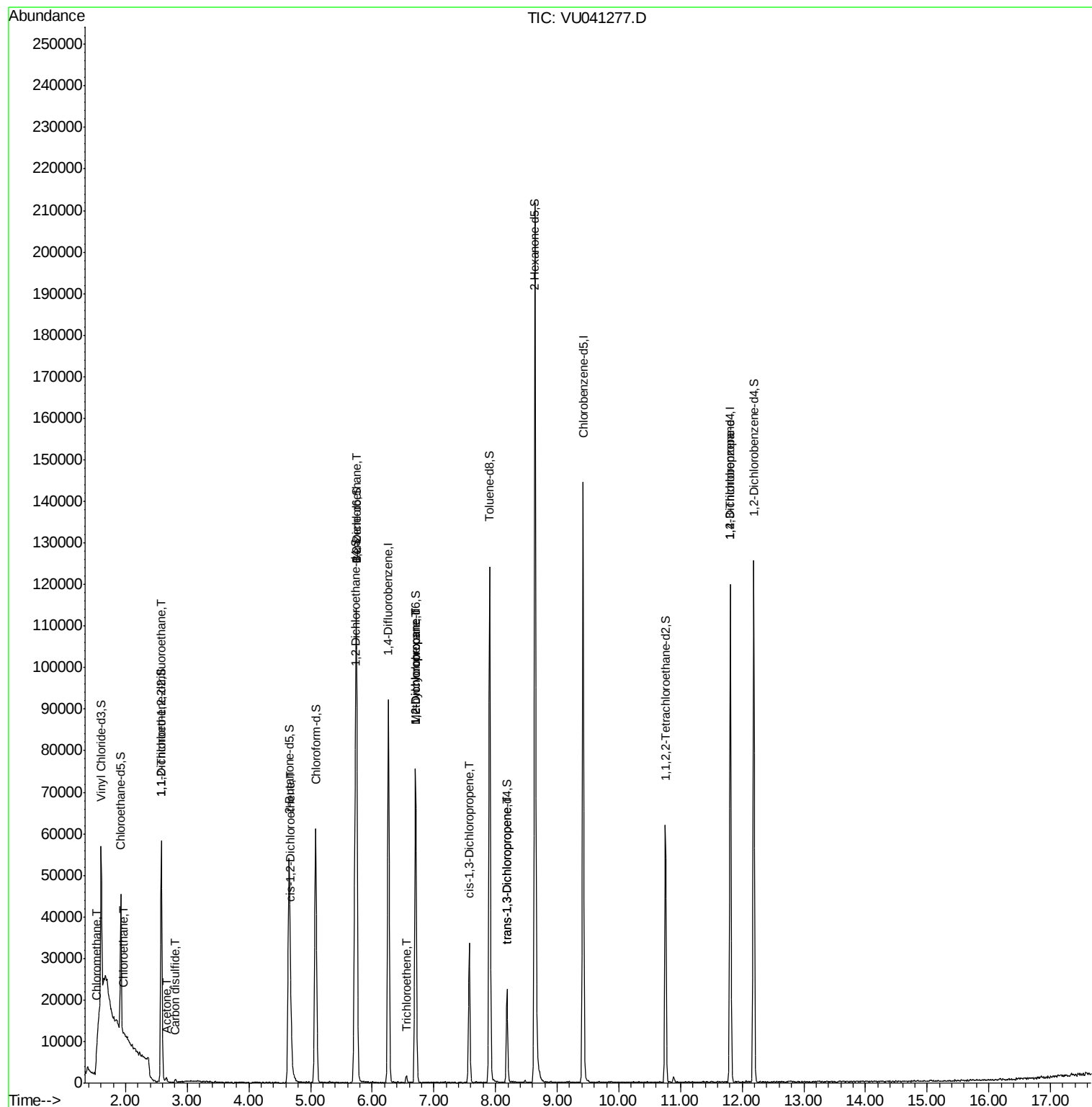
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	769	0.127	ug/L	99
8) Chloroethane	1.96	64	3295	0.841	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	284	0.057	ug/L #	22
13) Acetone	2.66	43	1665	1.217	ug/L	93
14) Carbon disulfide	2.81	76	1008	0.077	ug/L #	74
22) cis-1,2-Dichloroethene	4.68	96	347	0.071	ug/L #	59
27) 1,2-Dichloroethane	5.75	62	570	0.076	ug/L #	74
34) Trichloroethene	6.56	95	761	0.142	ug/L	94
35) Methylcyclohexane	6.70	83	7780	1.094	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	3931	0.679	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	943	0.117	ug/L	85
44) trans-1,3-Dichloropropene	8.18	75	553	0.072	ug/L	94
59) 1,2,3-Trichloropropane	11.81	75	3965	0.869	ug/L	89

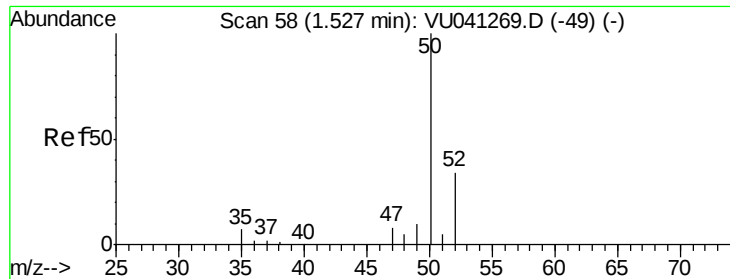
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.127 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041277.D

Acq: 17 Nov 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

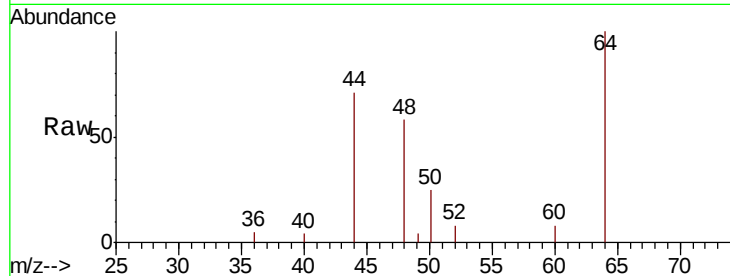
H4429

Tot Ion: 50 Resp: 769

Ion Ratio Lower Upper

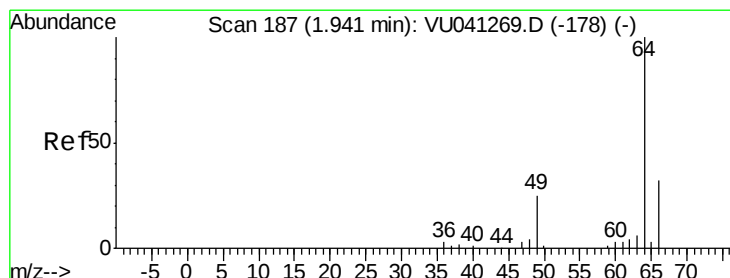
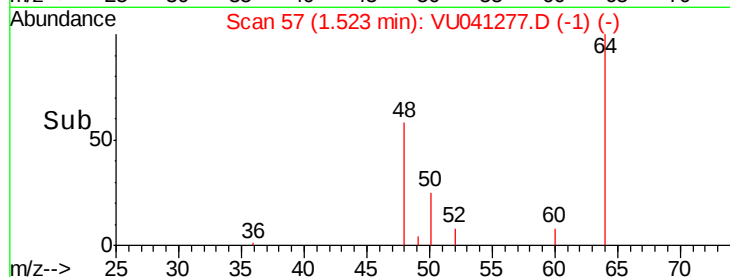
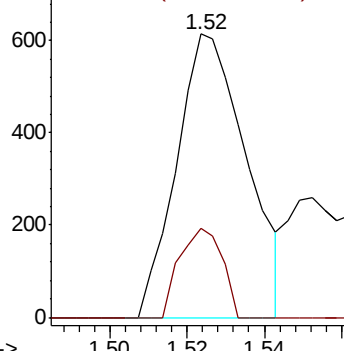
50 100

52 31.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.841 ug/L

RT: 1.96 min Scan# 194

Delta R.T. 0.02 min

Lab File: VU041277.D

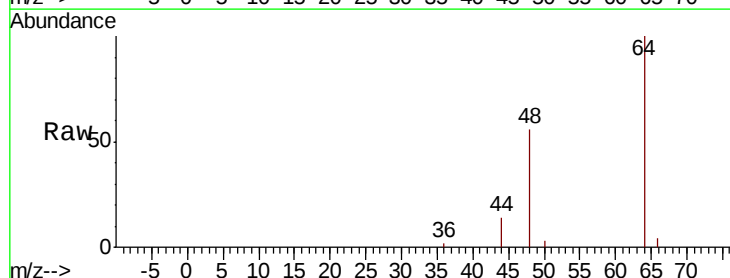
Acq: 17 Nov 2020 13:40

Tgt Ion: 64 Resp: 3295

Ion Ratio Lower Upper

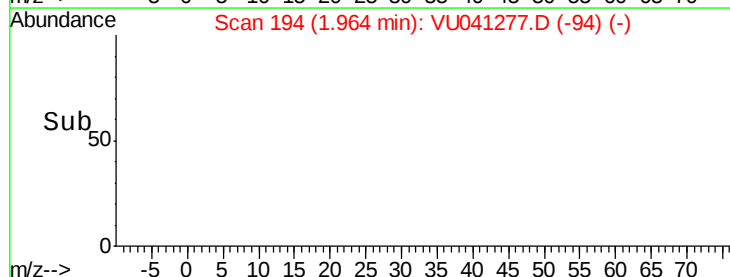
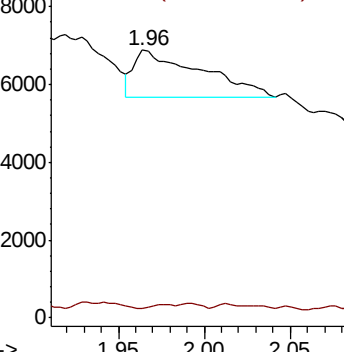
64 100

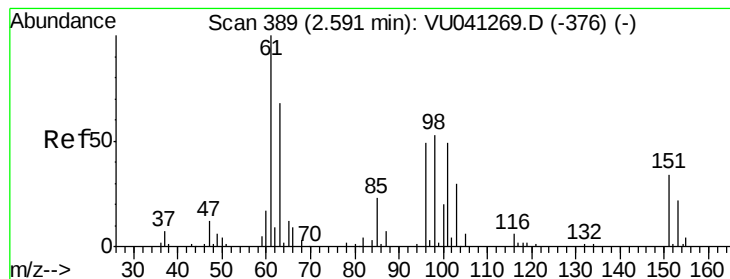
66 3.8 22.3 41.5#



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: 0.057 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041277.D

Acq: 17 Nov 2020 13:40

Instrument :

MSVOA_U

ClientSampled :

H4429

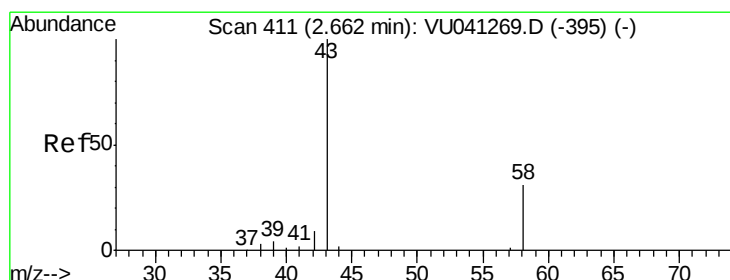
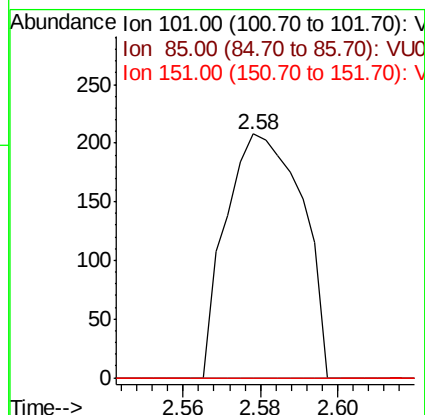
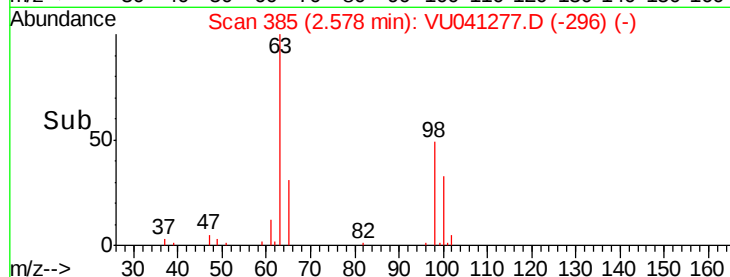
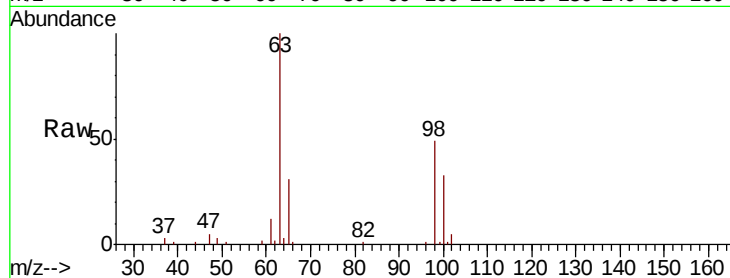
Tot Ion:101 Resp: 284

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



#13

Acetone

Concen: 1.217 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041277.D

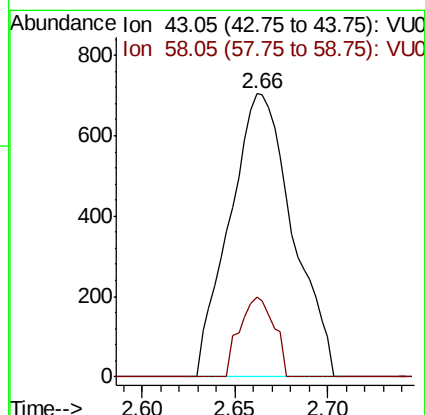
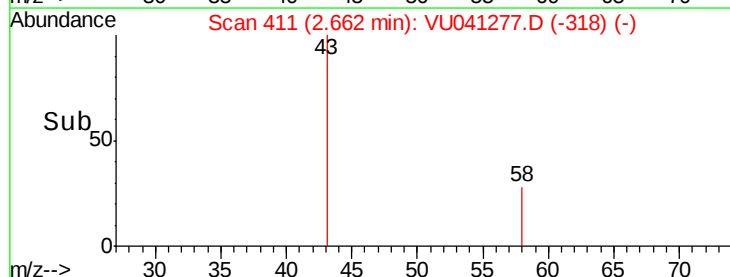
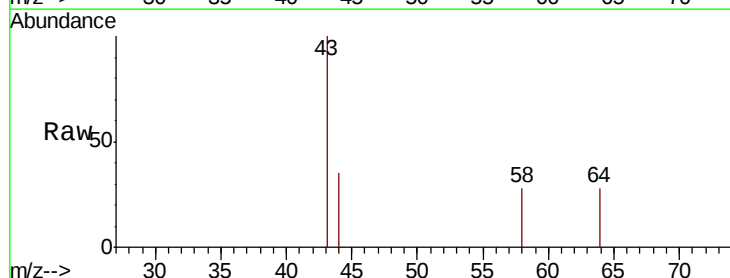
Acq: 17 Nov 2020 13:40

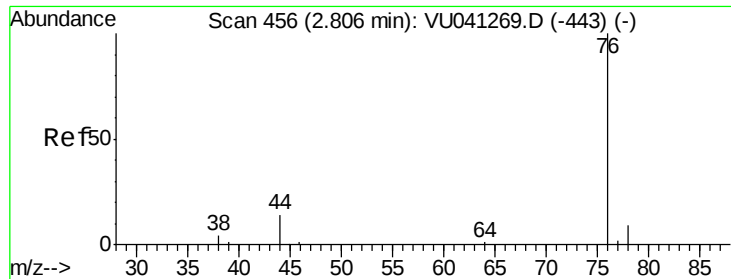
Tgt Ion: 43 Resp: 1665

Ion Ratio Lower Upper

43 100

58 15.3 0.0 25.4





#14

Carbon disulfide

Concen: 0.077 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041277.D

Acq: 17 Nov 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

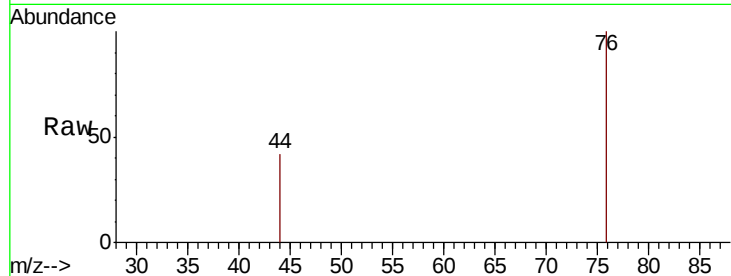
H4429

Tot Ion: 76 Resp: 1008

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



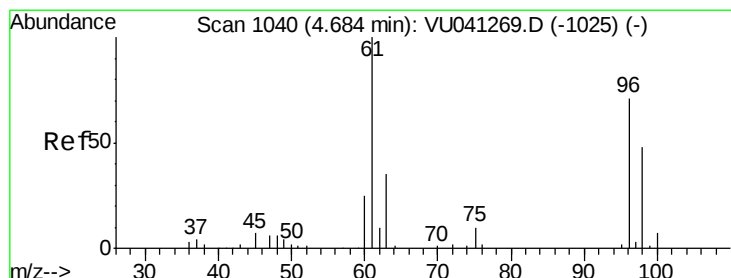
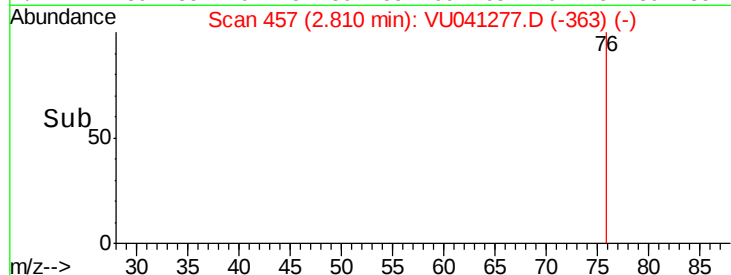
Abundance Ion 76.05 (75.75 to 76.75): VU041269.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041269.D (-443) (-)

2.81

2.85

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.071 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041277.D

Acq: 17 Nov 2020 13:40

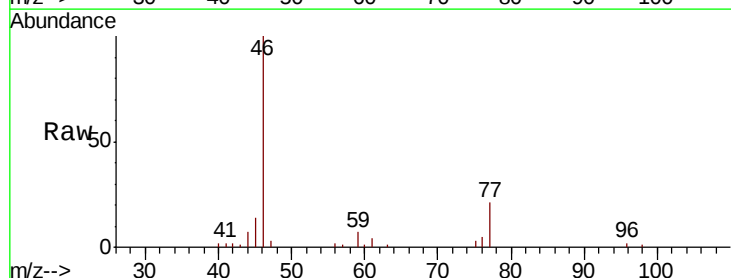
Tgt Ion: 96 Resp: 347

Ion Ratio Lower Upper

96 100

61 188.8 97.2 180.4#

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041269.D (-1025) (-)

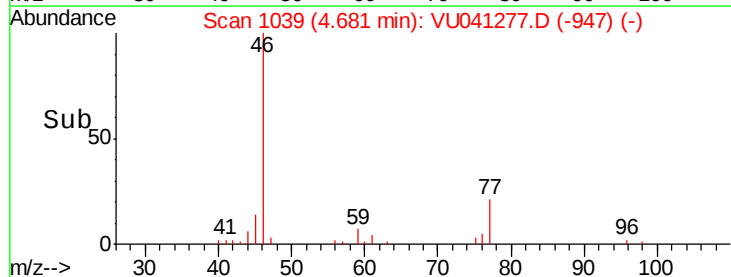
Ion 61.05 (60.75 to 61.75): VU041269.D (-1025) (-)

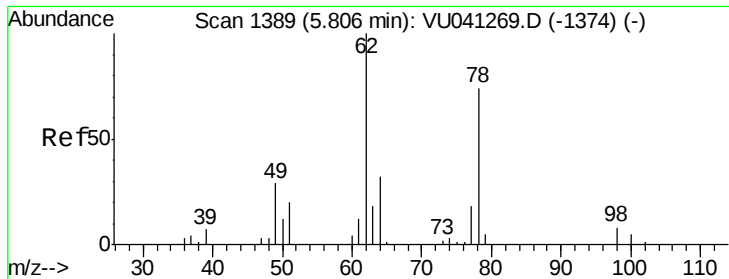
Ion 68.15 (67.85 to 68.85): VU041269.D (-1025) (-)

4.68

4.72

Time-->





#27

1,2-Dichloroethane

Concen: 0.076 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041277.D

Acq: 17 Nov 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

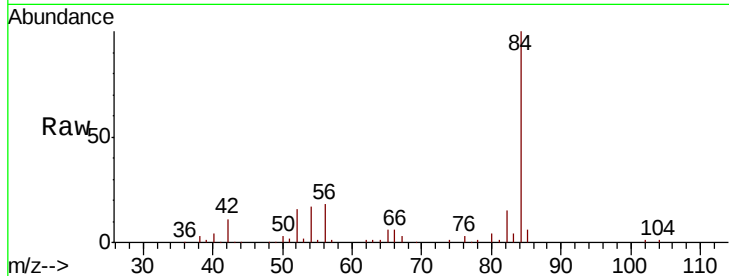
H4429

Tot Ion: 62 Resp: 570

Ion Ratio Lower Upper

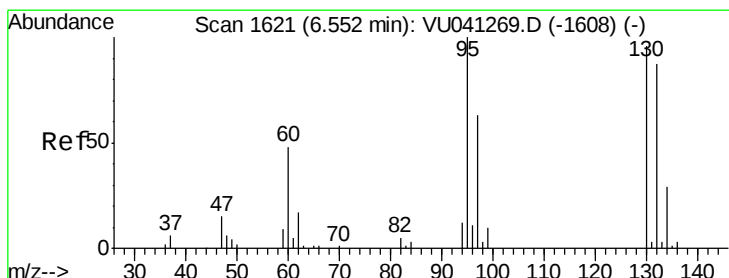
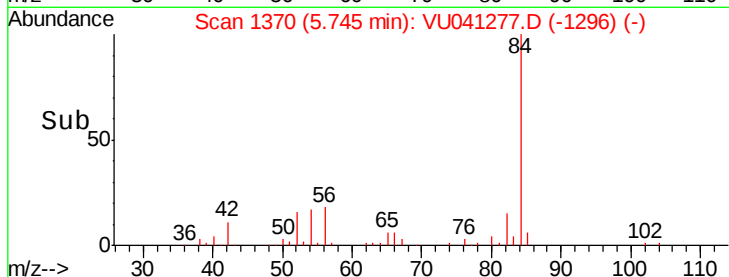
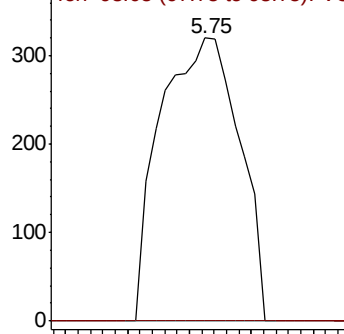
62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#34

Trichloroethene

Concen: 0.142 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041277.D

Acq: 17 Nov 2020 13:40

Tgt Ion: 95 Resp: 761

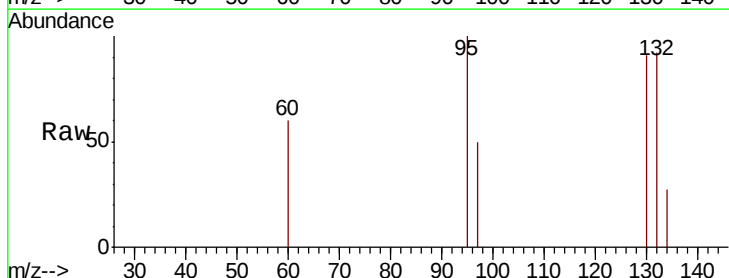
Ion Ratio Lower Upper

95 100

97 50.1 45.6 84.6

132 91.8 64.8 120.4

130 90.8 64.8 120.4

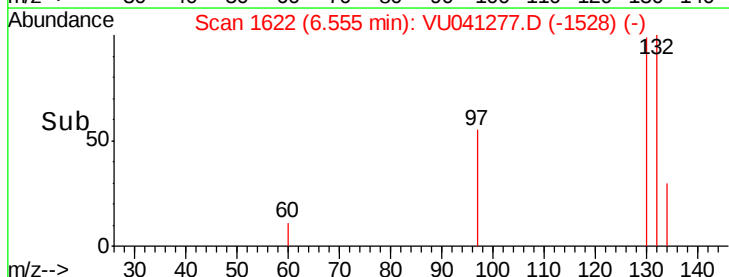
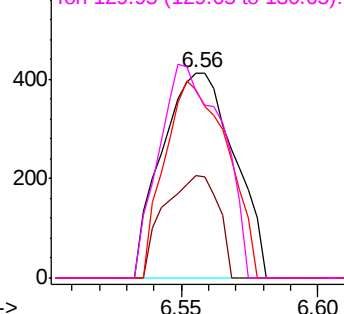


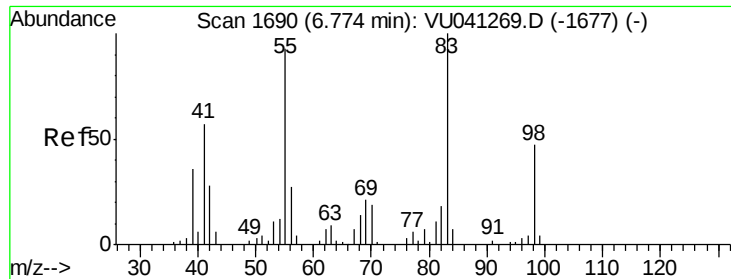
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

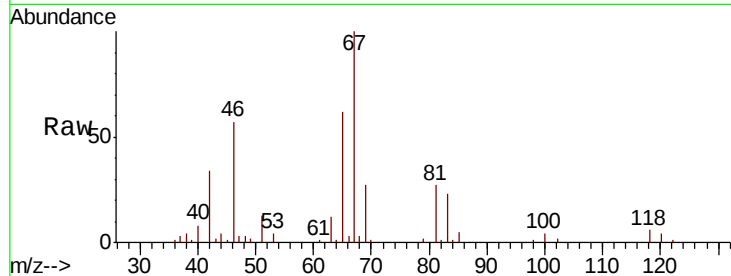




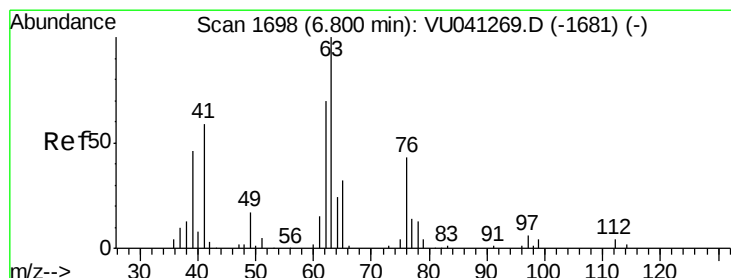
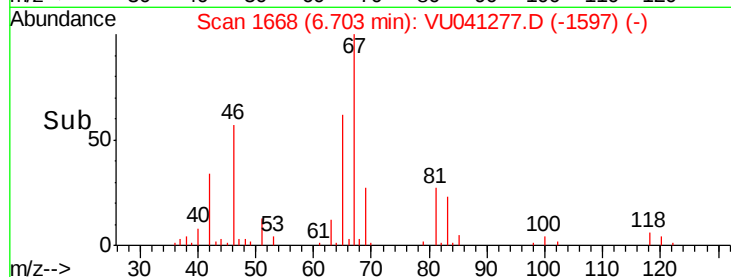
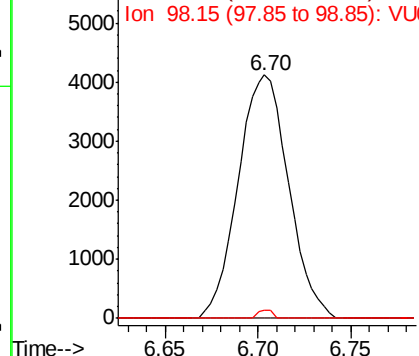
#35
Methylcyclohexane
Concen: 1.094 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041277.D
Acq: 17 Nov 2020 13:40

Instrument :
MSVOA_U
ClientSampled :
H4429

Tot Ion: 83 Resp: 7780
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.0 36.6 55.0#

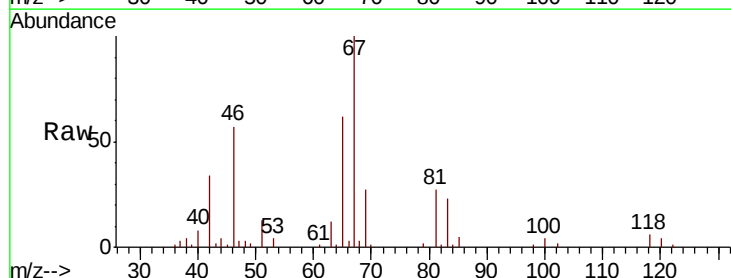


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

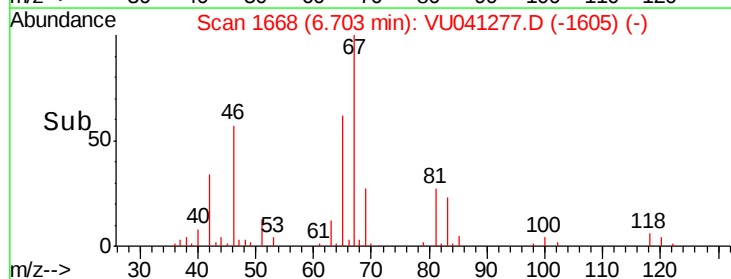
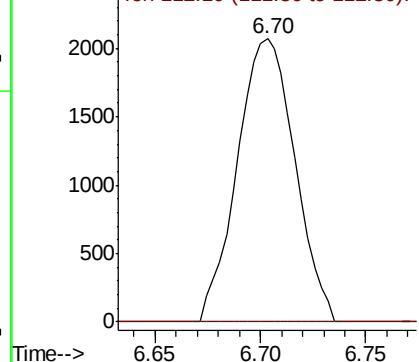


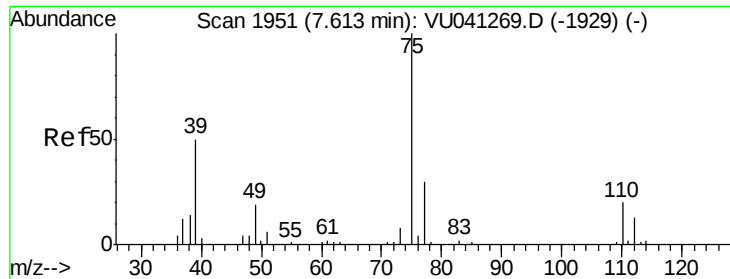
#37
1,2-Dichloropropane
Concen: 0.679 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041277.D
Acq: 17 Nov 2020 13:40

Tgt Ion: 63 Resp: 3931
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

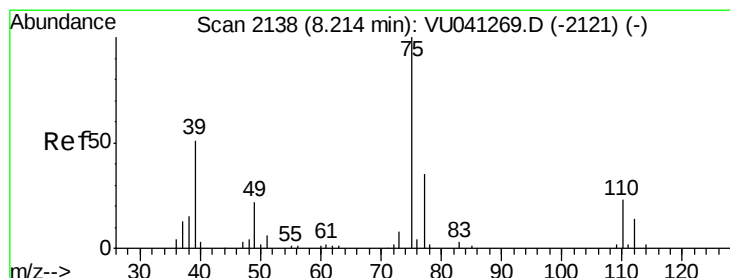
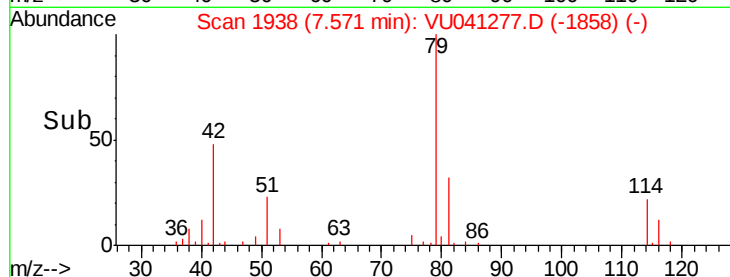
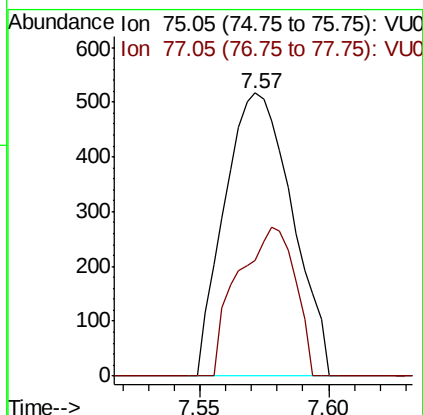
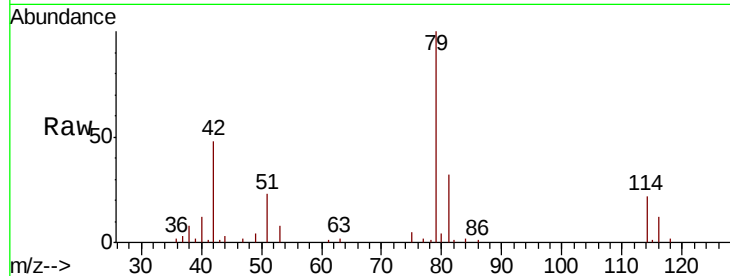




#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041277.D
 Acq: 17 Nov 2020 13:40

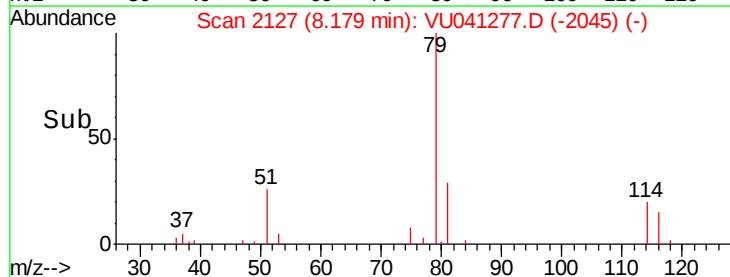
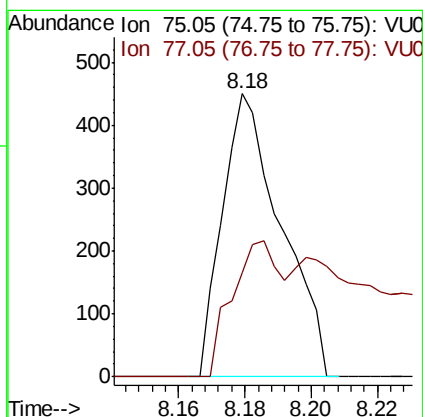
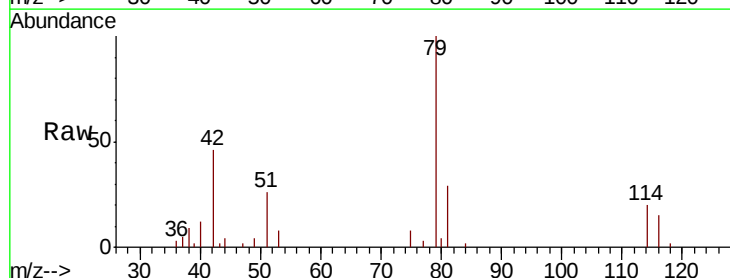
Instrument :
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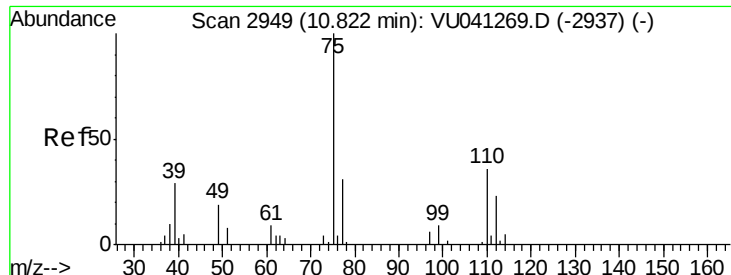
Tot Ion: 75 Resp: 943
 Ion Ratio Lower Upper
 75 100
 77 41.0 22.7 42.3



#44
 trans-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 8.18 min Scan# 2127
 Delta R.T. -0.04 min
 Lab File: VU041277.D
 Acq: 17 Nov 2020 13:40

Tgt Ion: 75 Resp: 553
 Ion Ratio Lower Upper
 75 100
 77 36.7 23.3 43.3





#59

1,2,3-Trichloropropane

Concen: 0.869 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041277.D

Acq: 17 Nov 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

H4429

Tot Ion: 75 Resp: 3965

Ion Ratio Lower Upper

75 100

77 38.2 25.7 38.5

