

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041288.D
 Acq On : 17 Nov 2020 18:19
 Operator : SY/MD
 Sample : L4759-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4413

Quant Time: Nov 17 22:37:18 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	67084	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69725	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27423	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23641	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.92	69	21065	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.58	63	33293	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.65	46	96541	47.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.90%
24) Chloroform-d	5.08	84	50004	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	32613	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.74	84	92489	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	30821	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.91	98	70425	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.19	79	12284	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.64	63	68439	45.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27393	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	26301	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1883	0.316	ug/L #	68
5) Vinyl chloride	1.61	62	34577	5.937	ug/L #	1
8) Chloroethane	2.12	64	1757	0.455	ug/L #	50
12) 1,1-Dichloroethene	2.59	96	499	0.114	ug/L #	1
14) Carbon disulfide	2.81	76	8464	0.659	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	564651	47.231	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	5729	1.347	ug/L	94
19) 1,1-Dichloroethane	3.89	63	14888	1.566	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	46078	9.593	ug/L	94
33) Benzene	5.79	78	8385	0.444	ug/L	100
34) Trichloroethene	6.56	95	9061	1.774	ug/L	99
35) Methylcyclohexane	6.70	83	7067	1.042	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3594	0.651	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	901	0.117	ug/L #	80
44) trans-1,3-Dichloropropene	8.19	75	437	0.060	ug/L #	1
52) Ethylbenzene	9.57	91	985	0.046	ug/L	92
59) 1,2,3-Trichloropropane	11.81	75	3408	0.782	ug/L #	84

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

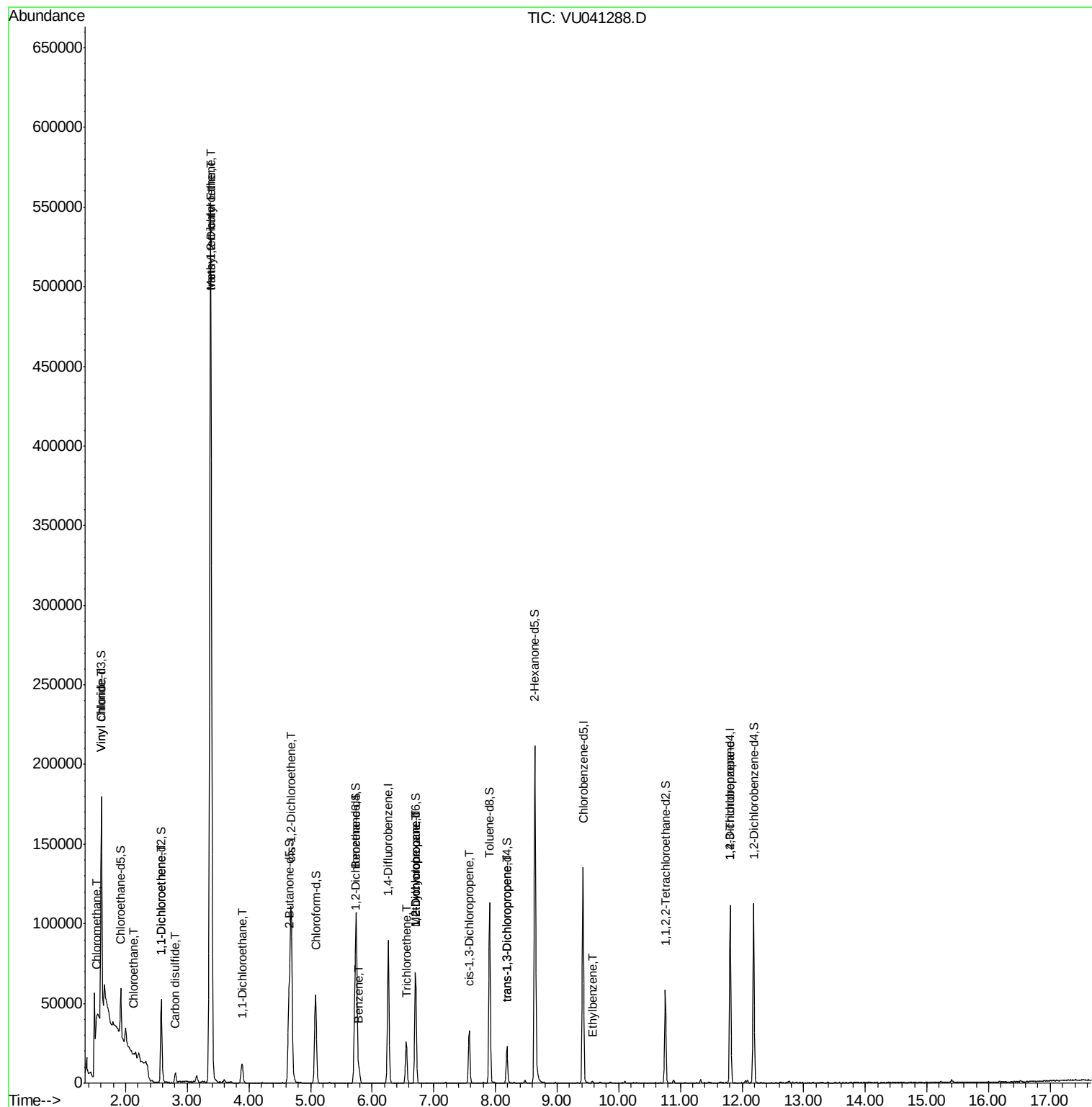
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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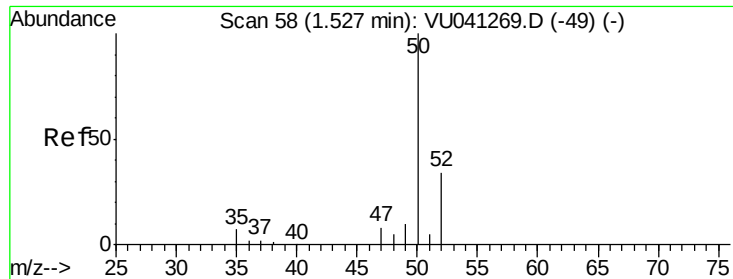
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.316 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

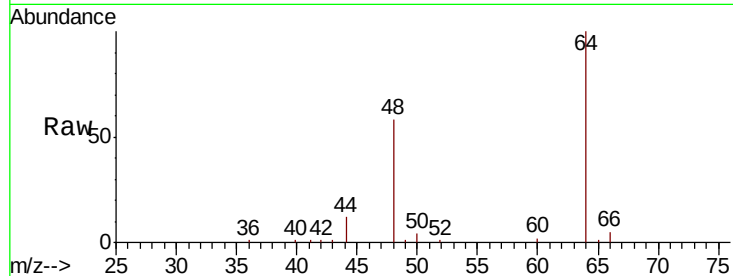
H4413

Tot Ion: 50 Resp: 1883

Ion Ratio Lower Upper

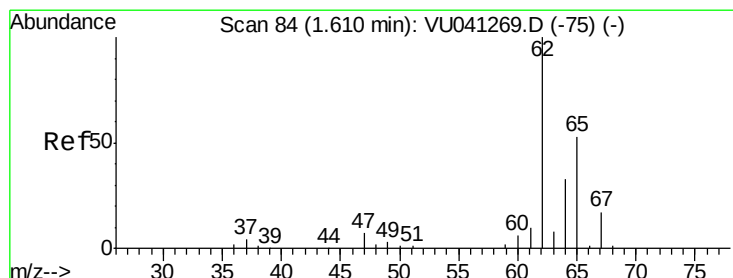
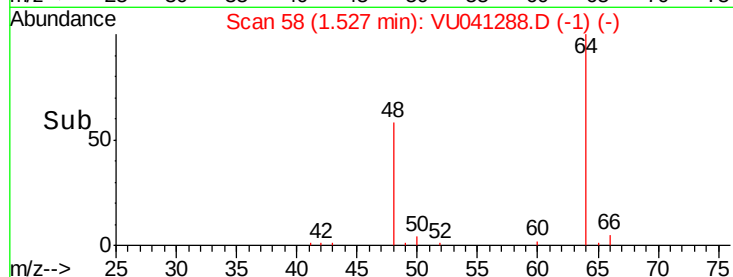
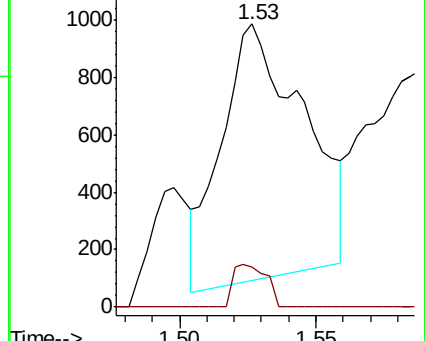
50 100

52 14.1 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 5.937 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041288.D

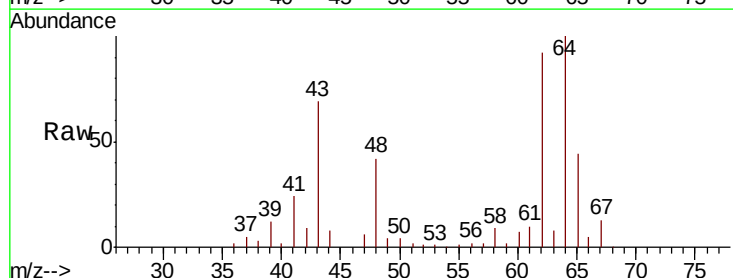
Acq: 17 Nov 2020 18:19

Tgt Ion: 62 Resp: 34577

Ion Ratio Lower Upper

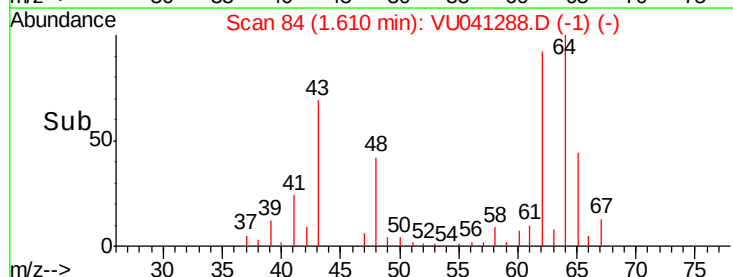
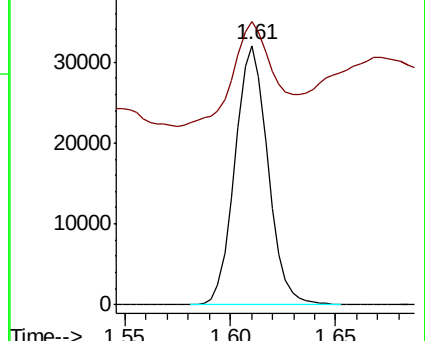
62 100

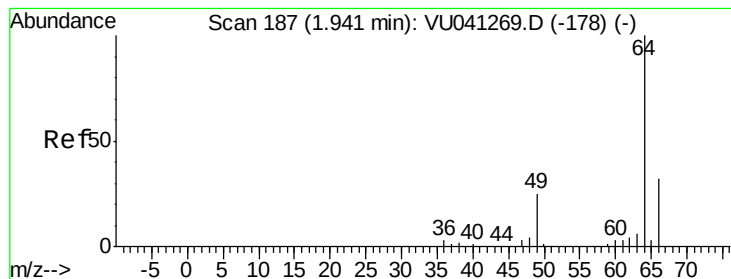
64 109.0 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.455 ug/L

RT: 2.12 min Scan# 244

Delta R.T. 0.18 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

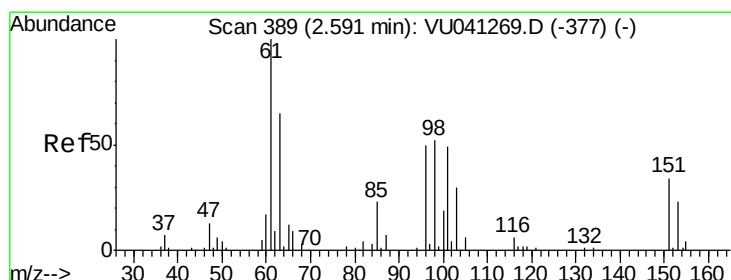
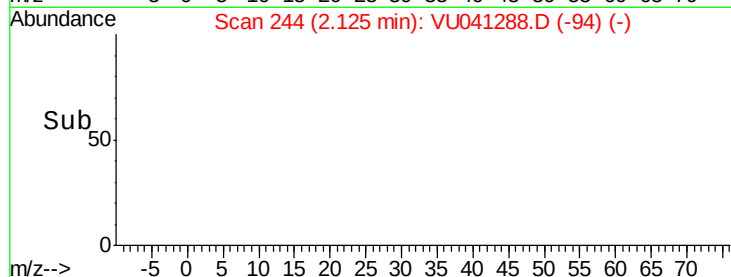
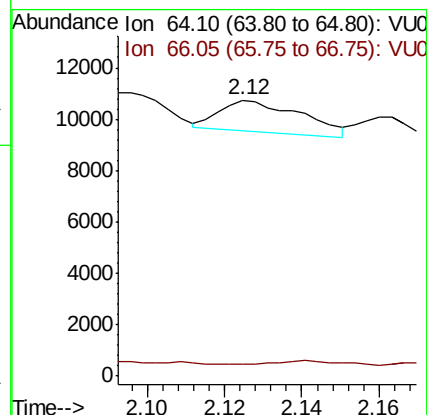
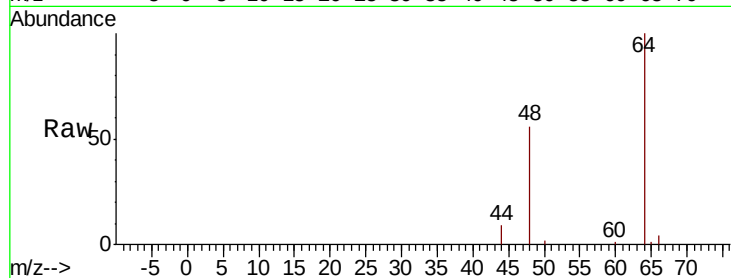
H4413

Tot Ion: 64 Resp: 1757

Ion Ratio Lower Upper

64 100

66 4.3 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.114 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

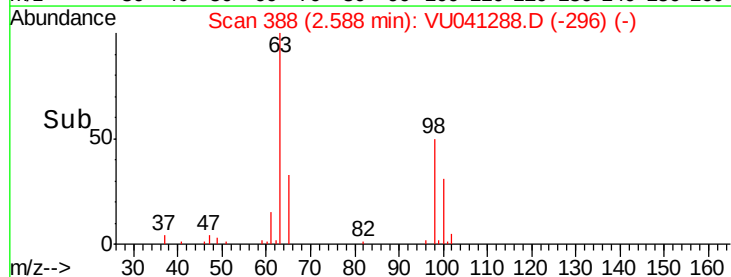
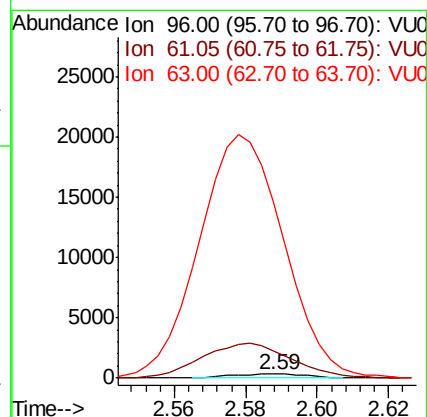
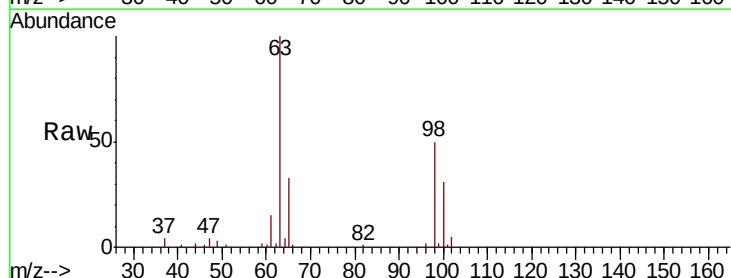
Tgt Ion: 96 Resp: 499

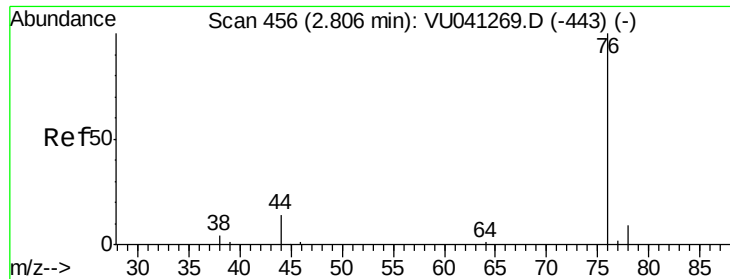
Ion Ratio Lower Upper

96 100

61 684.8 134.3 249.5#

63 4448.8 95.0 176.4#

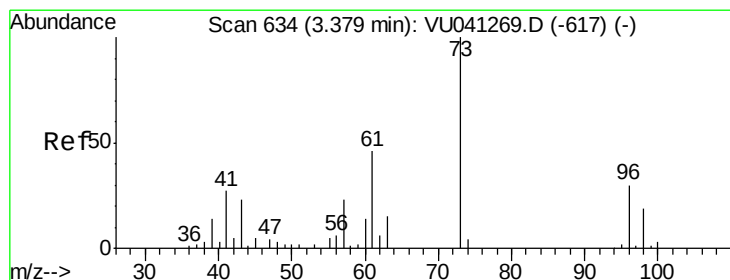
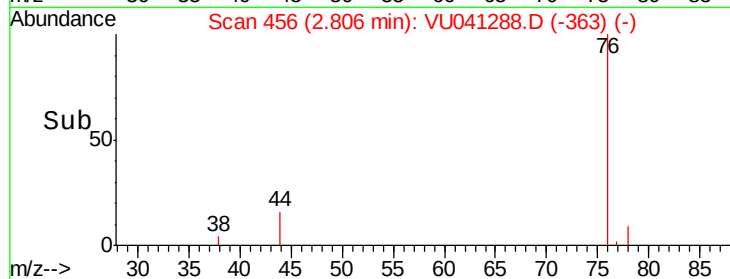
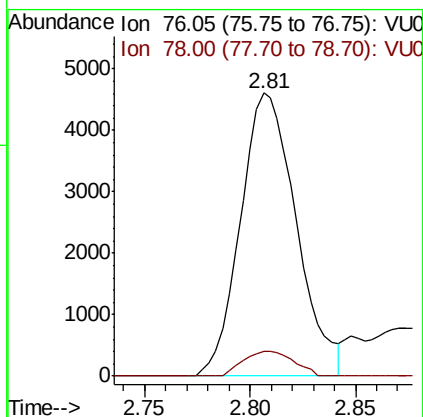
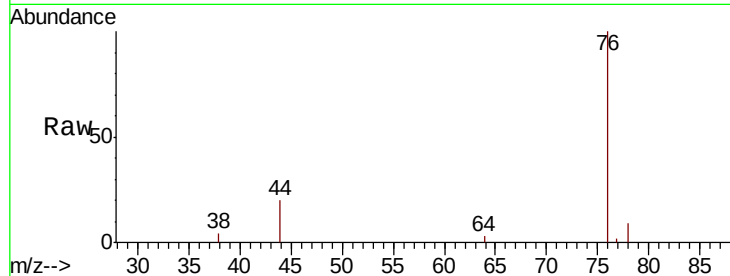




#14
Carbon disulfide
Concen: 0.659 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU041288.D
Acq: 17 Nov 2020 18:19

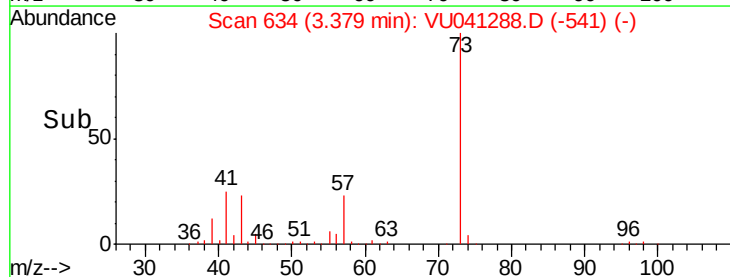
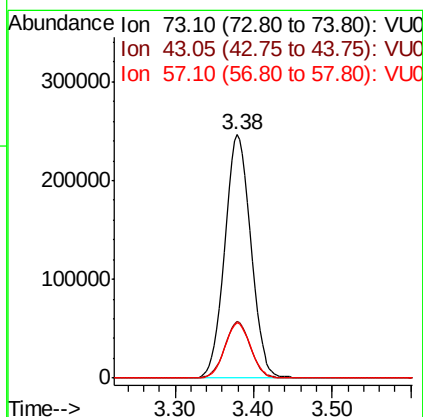
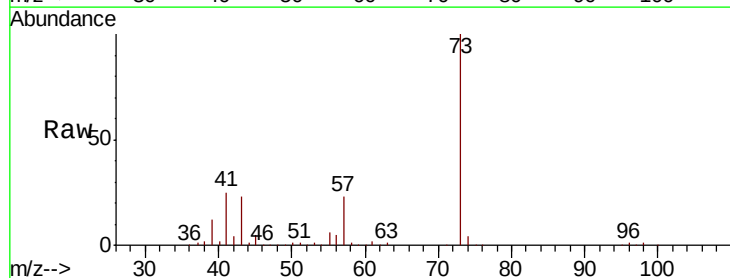
Instrument :
MSVOA_U
ClientSampled :
H4413

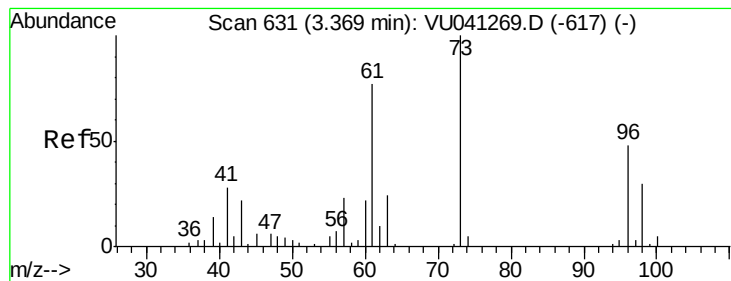
Tot Ion: 76 Resp: 8464
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3



#17
Methyl tert-butyl Ether
Concen: 47.231 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041288.D
Acq: 17 Nov 2020 18:19

Tgt Ion: 73 Resp: 564651
Ion Ratio Lower Upper
73 100
43 22.9 18.5 27.7
57 22.6 18.4 27.6





#18

trans-1,2-Dichloroethene

Concen: 1.347 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

H4413

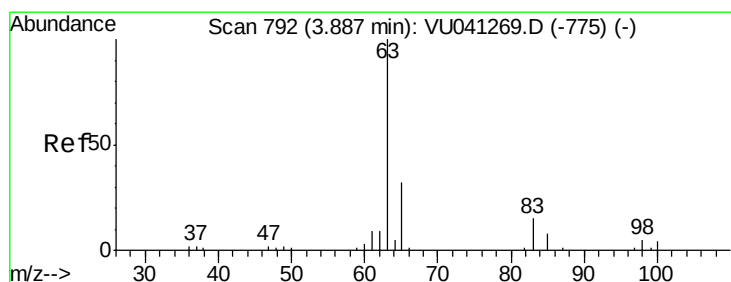
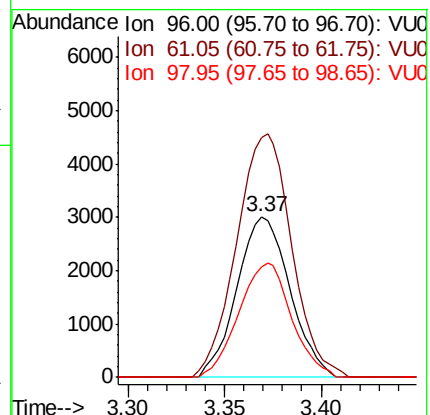
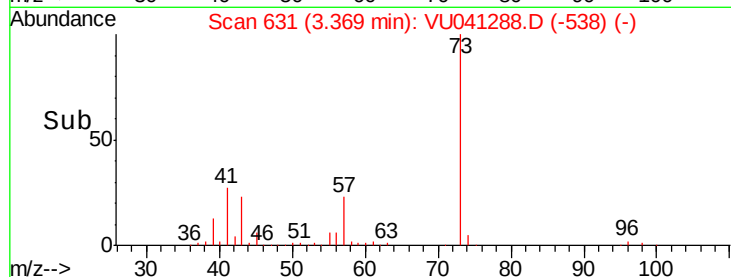
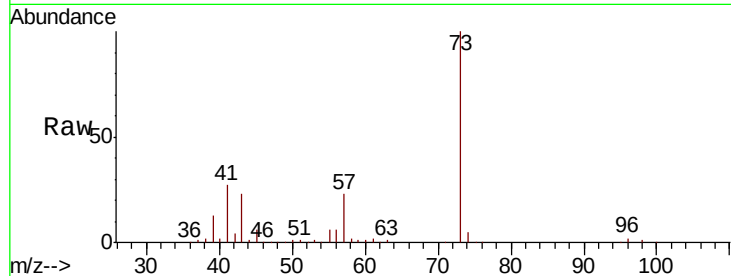
Tot Ion: 96 Resp: 5729

Ion Ratio Lower Upper

96 100

61 149.5 110.9 205.9

98 69.1 45.4 84.2



#19

1,1-Dichloroethane

Concen: 1.566 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

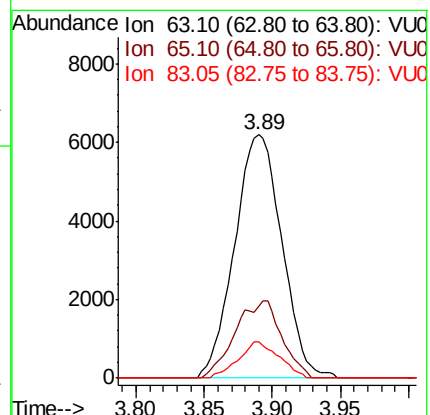
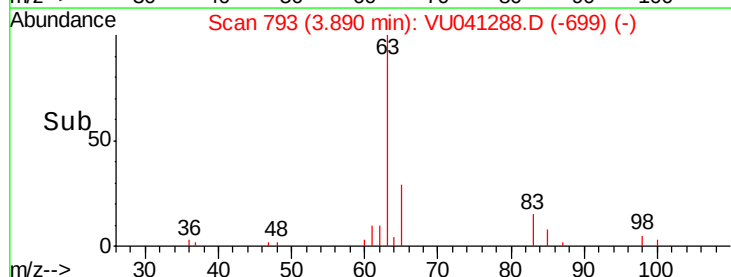
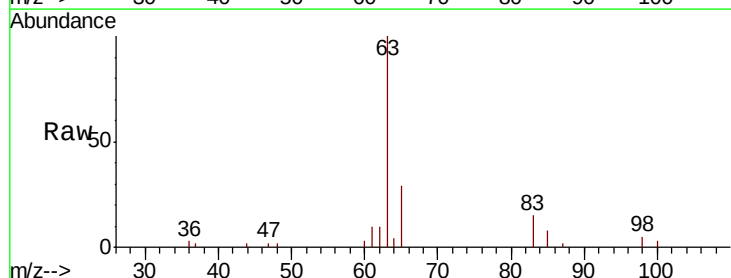
Tgt Ion: 63 Resp: 14888

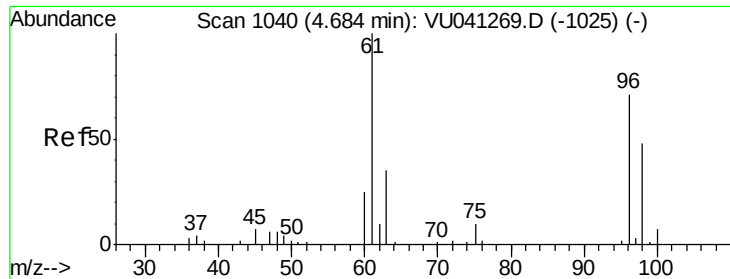
Ion Ratio Lower Upper

63 100

65 29.4 21.3 39.6

83 14.9 8.8 16.3

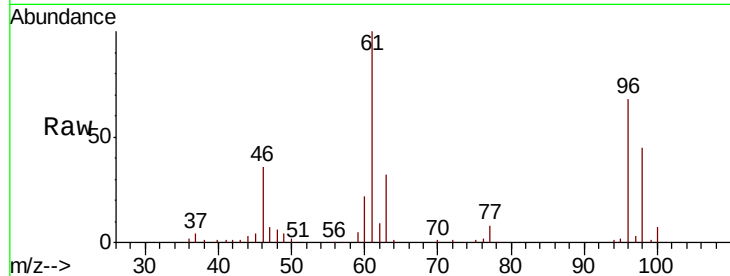




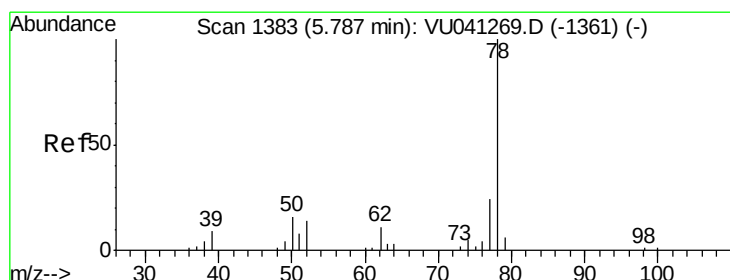
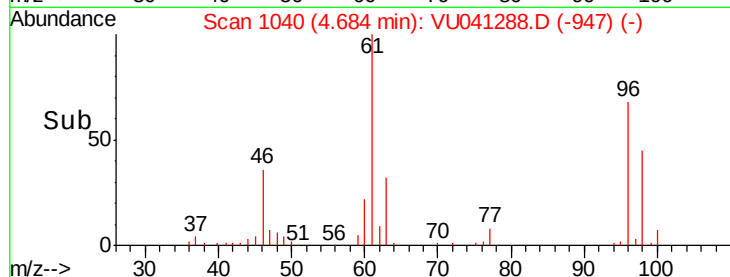
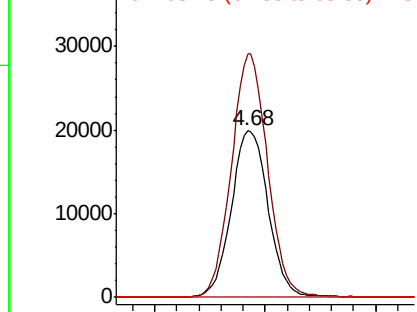
#22
 cis-1,2-Dichloroethene
 Concen: 9.593 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041288.D
 Acq: 17 Nov 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 H4413

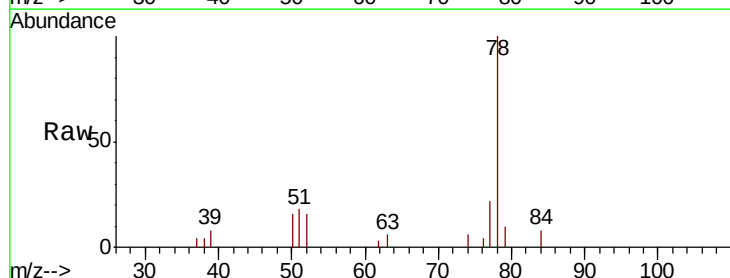
Tot Ion: 96 Resp: 46078
 Ion Ratio Lower Upper
 96 100
 61 146.3 97.2 180.4
 68 0.0 0.0 0.0



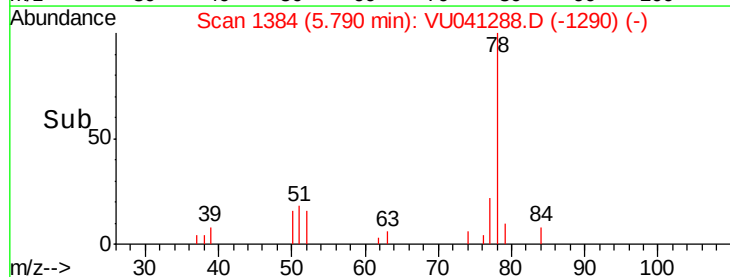
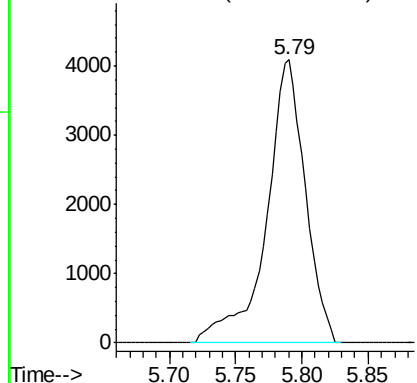
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

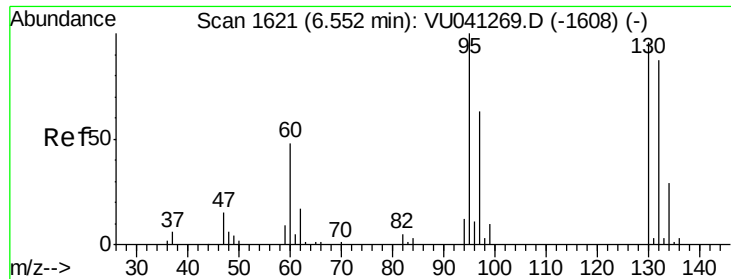


#33
 Benzene
 Concen: 0.444 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041288.D
 Acq: 17 Nov 2020 18:19
 Tgt Ion: 78 Resp: 8385



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.774 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

H4413

Tot Ion: 95 Resp: 9061

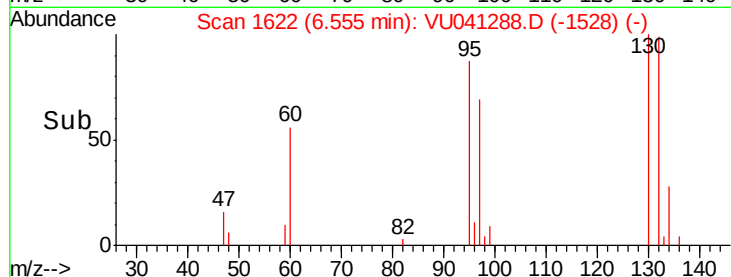
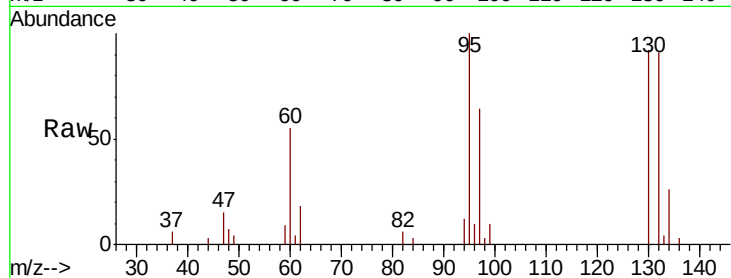
Ion Ratio Lower Upper

95 100

97 63.7 45.6 84.6

132 91.2 64.8 120.4

130 92.1 64.8 120.4

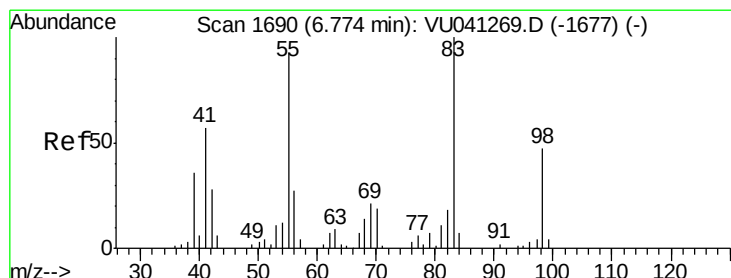
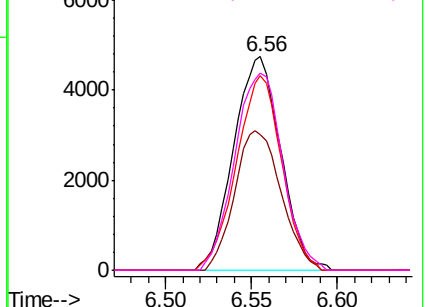


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.042 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

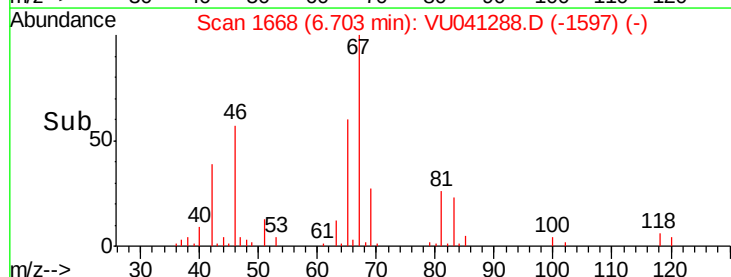
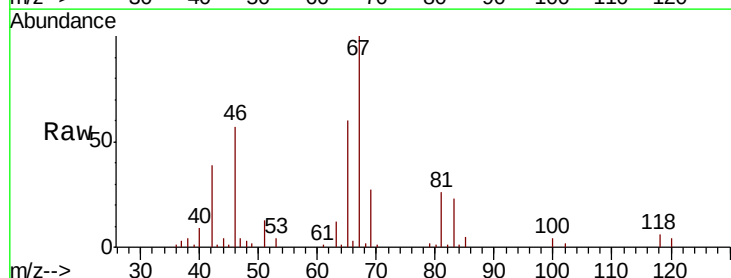
Tgt Ion: 83 Resp: 7067

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

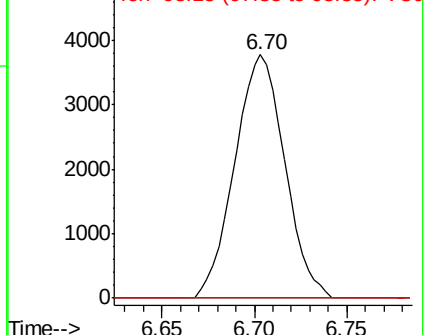
98 3.9 36.6 55.0#

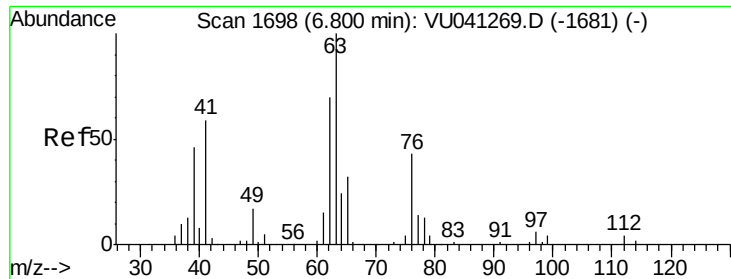


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

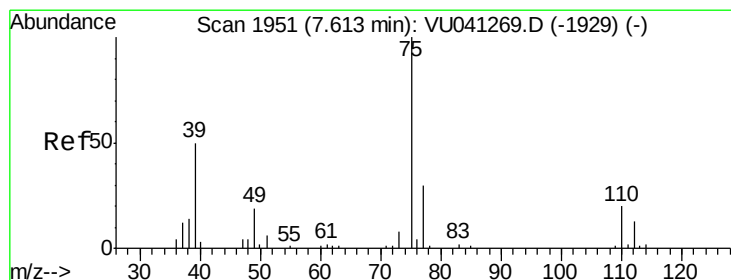
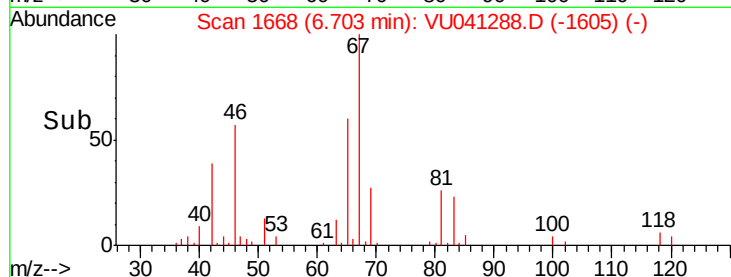
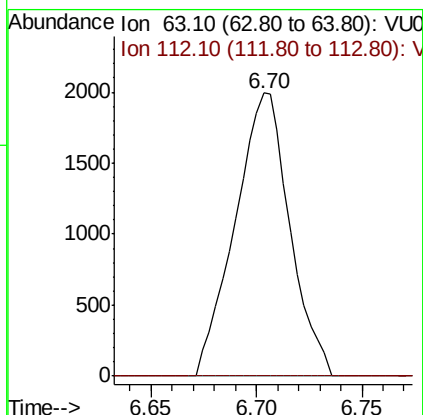
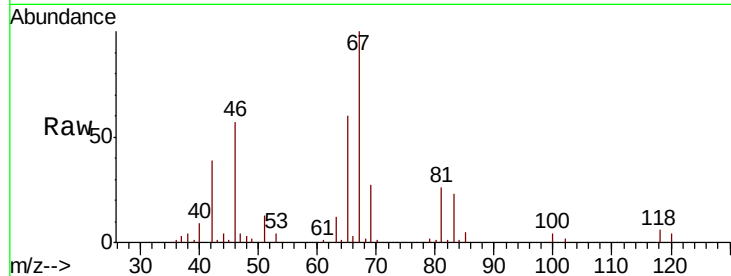




#37
 1,2-Dichloropropane
 Concen: 0.651 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041288.D
 Acq: 17 Nov 2020 18:19

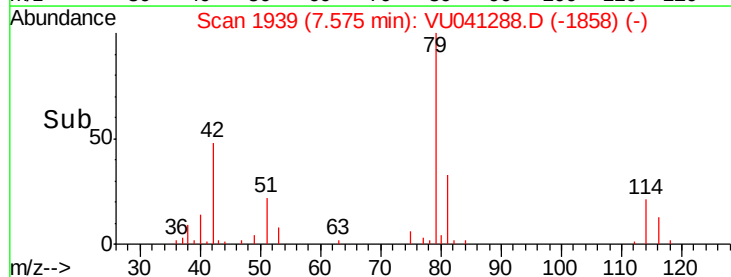
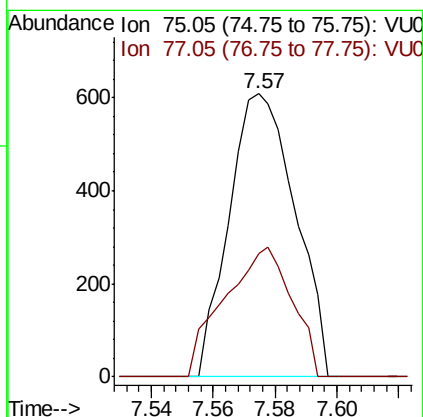
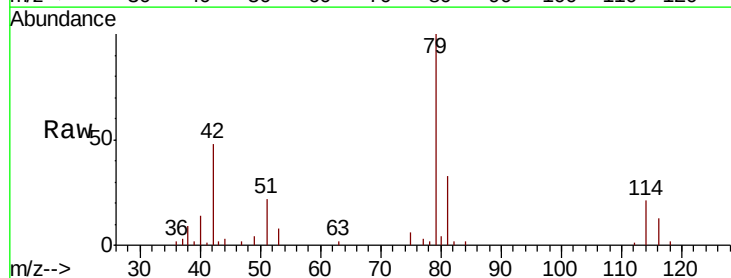
Instrument :
 MSVOA_U
 ClientSampleId :
 H4413

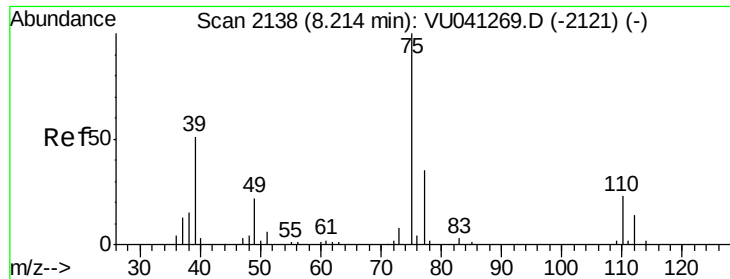
Tot Ion: 63 Resp: 3594
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041288.D
 Acq: 17 Nov 2020 18:19

Tgt Ion: 75 Resp: 901
 Ion Ratio Lower Upper
 75 100
 77 43.8 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.060 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

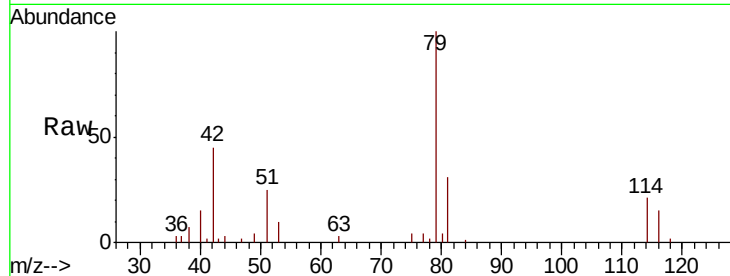
H4413

Tot Ion: 75 Resp: 437

Ion Ratio Lower Upper

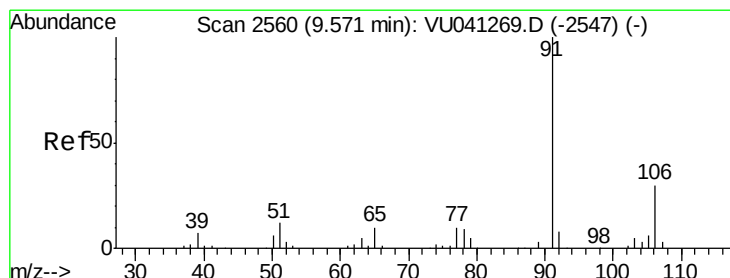
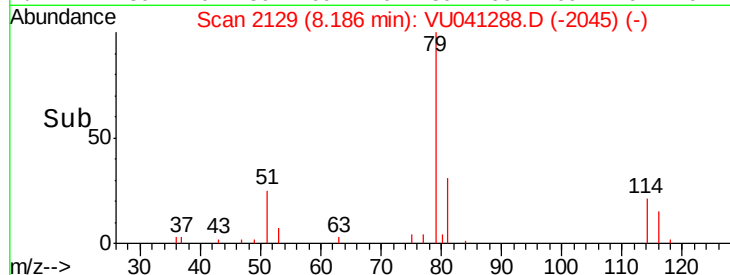
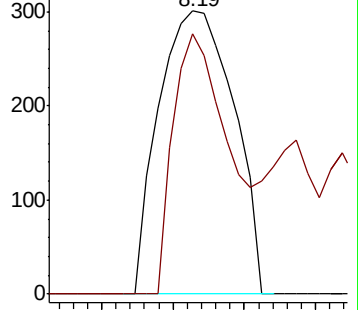
75 100

77 92.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#52

Ethylbenzene

Concen: 0.046 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041288.D

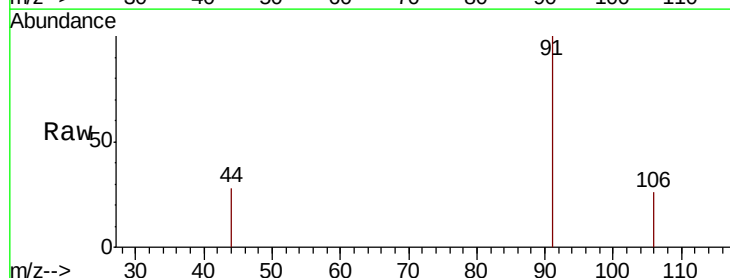
Acq: 17 Nov 2020 18:19

Tgt Ion: 91 Resp: 985

Ion Ratio Lower Upper

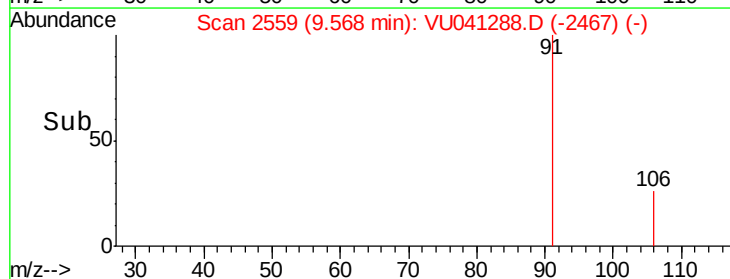
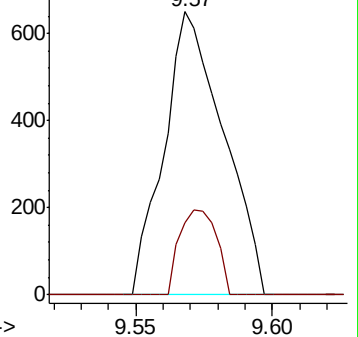
91 100

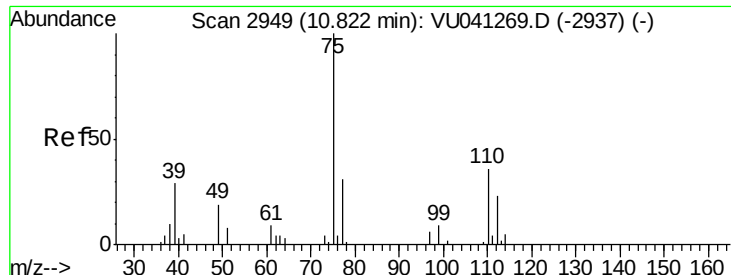
106 25.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#59

1,2,3-Trichloropropane

Concen: 0.782 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041288.D

Acq: 17 Nov 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

H4413

Tot Ion: 75 Resp: 3408

Ion Ratio Lower Upper

75 100

77 41.0 25.7 38.5#

