

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041289.D
 Acq On : 17 Nov 2020 18:42
 Operator : SY/MD
 Sample : L4759-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4417

Quant Time: Nov 17 22:37:28 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	65537	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26733	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24671	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.92	69	21540	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	35414	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.65	46	96877	48.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.48%
24) Chloroform-d	5.08	84	51214	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.72	65	31806	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	86828	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	33313	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.91	98	75462	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.19	79	12607	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.64	63	67097	48.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.40%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27075	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	27912	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	991	0.170	ug/L #	70
5) Vinyl chloride	1.61	62	42265	7.429	ug/L #	70
6) Bromomethane	1.86	94	378	0.112	ug/L	77
8) Chloroethane	1.92	64	470	0.124	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	236	0.049	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	663	0.155	ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	1142721	97.840	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	93048	22.395	ug/L	98
19) 1,1-Dichloroethane	3.89	63	10837	1.167	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	318005	67.769	ug/L	96
33) Benzene	5.79	78	4740	0.268	ug/L	100
34) Trichloroethene	6.56	95	10380	2.174	ug/L	97
35) Methylcyclohexane	6.70	83	7491	1.181	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3754	0.727	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	845	0.117	ug/L #	76
44) trans-1,3-Dichloropropene	8.18	75	570	0.084	ug/L	90
59) 1,2,3-Trichloropropane	11.81	75	3339	0.820	ug/L #	83

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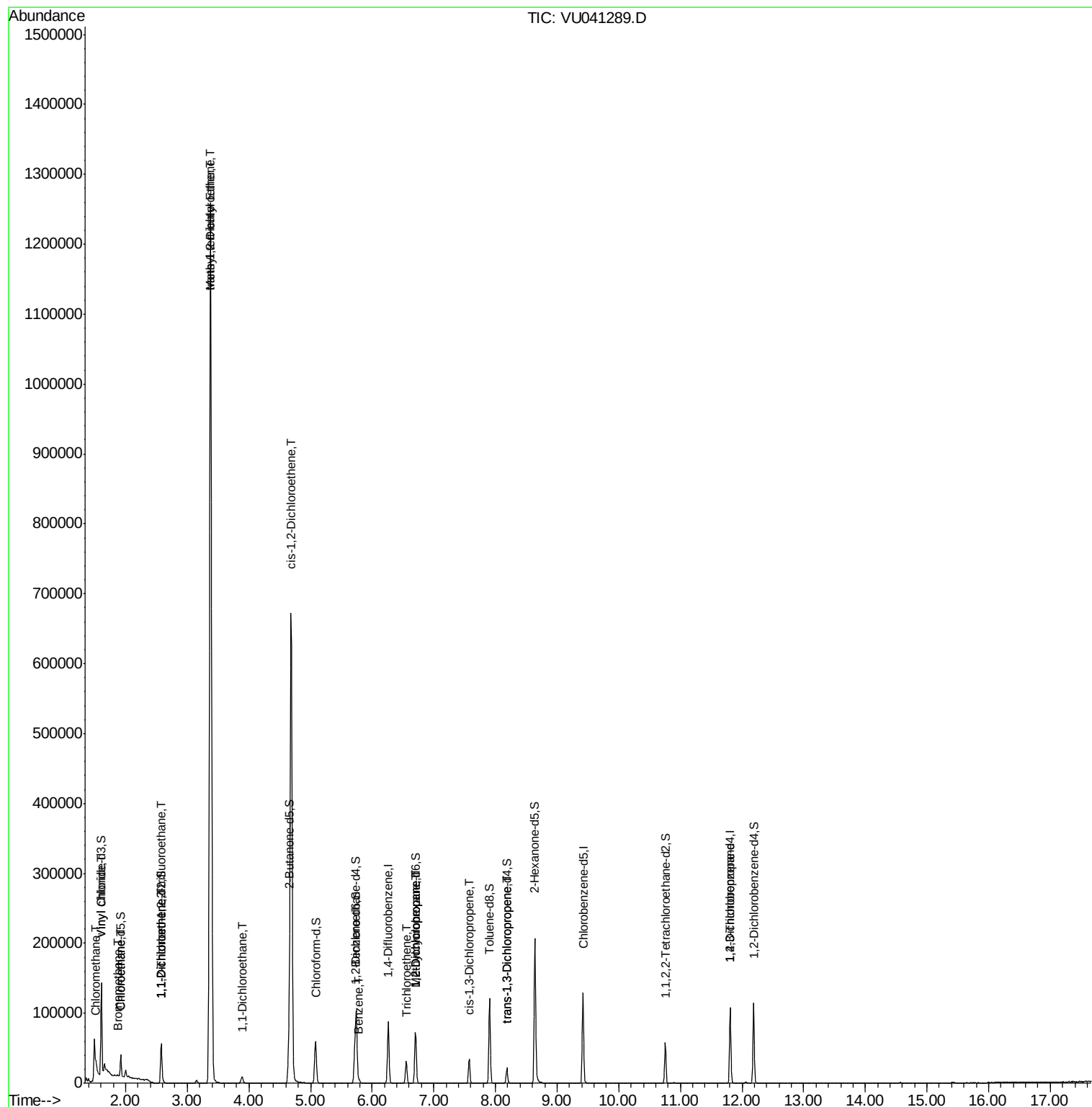
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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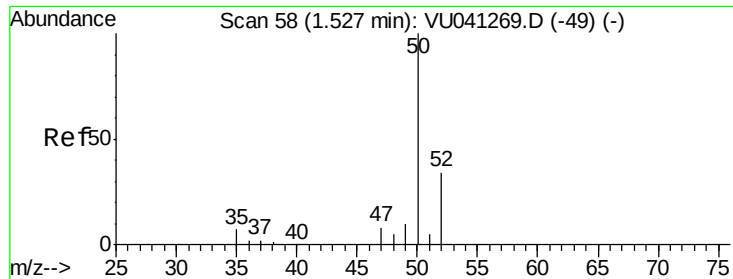
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111720\
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QLast Update : Tue Nov 17 22:32:58 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.170 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

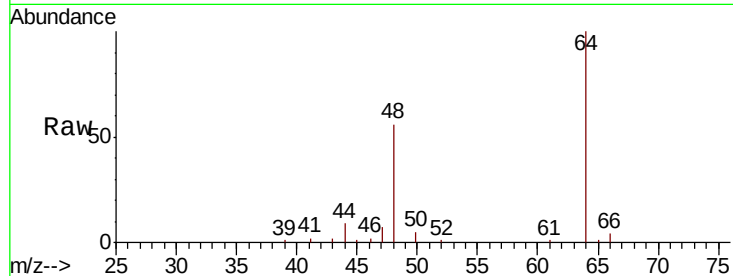
H4417

Tot Ion: 50 Resp: 991

Ion Ratio Lower Upper

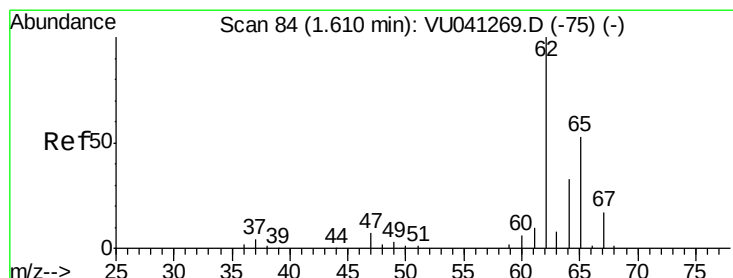
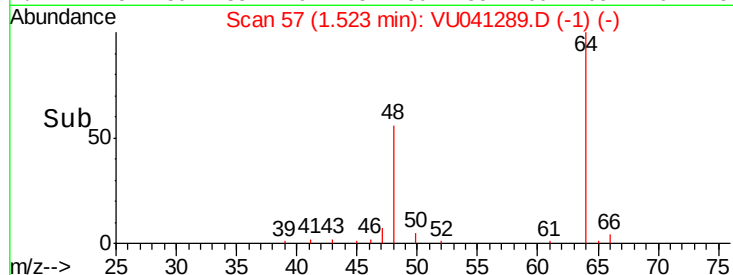
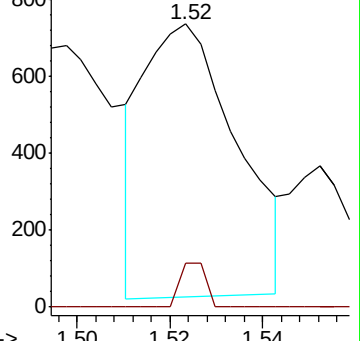
50 100

52 15.4 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: 7.429 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041289.D

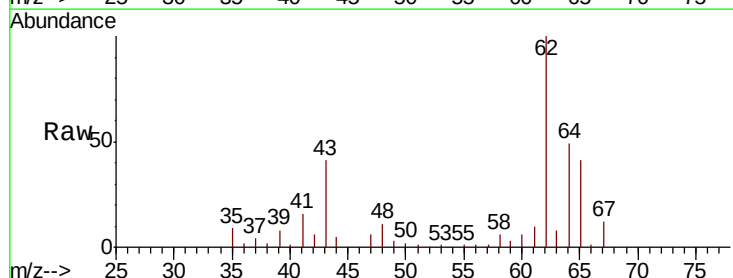
Acq: 17 Nov 2020 18:42

Tgt Ion: 62 Resp: 42265

Ion Ratio Lower Upper

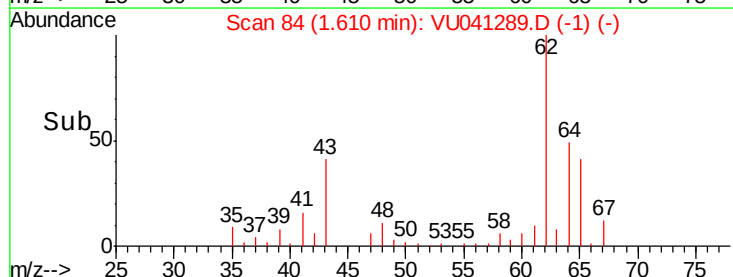
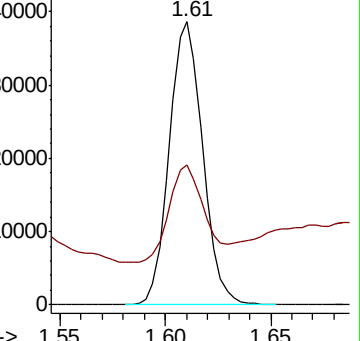
62 100

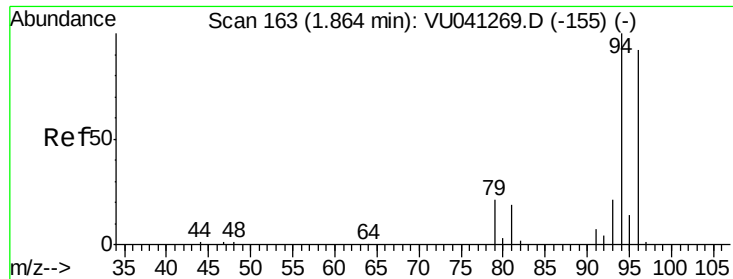
64 49.5 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

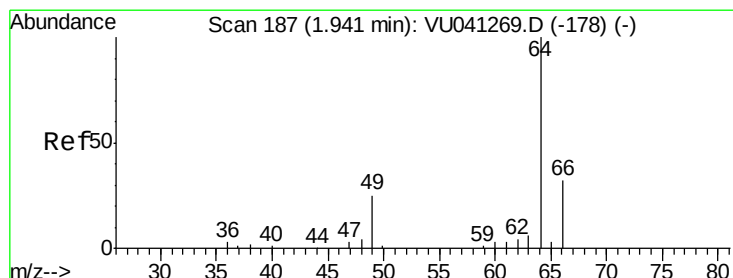
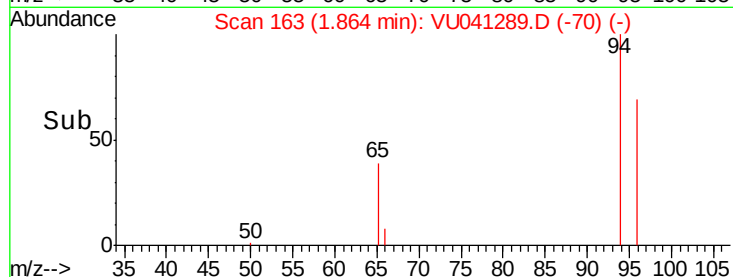
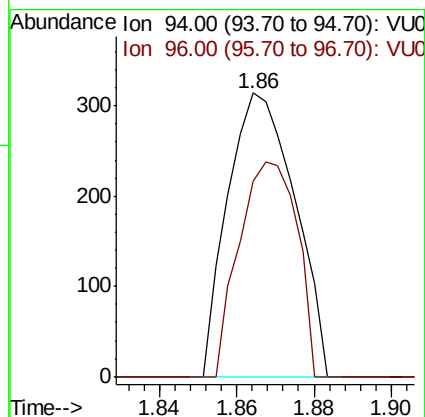
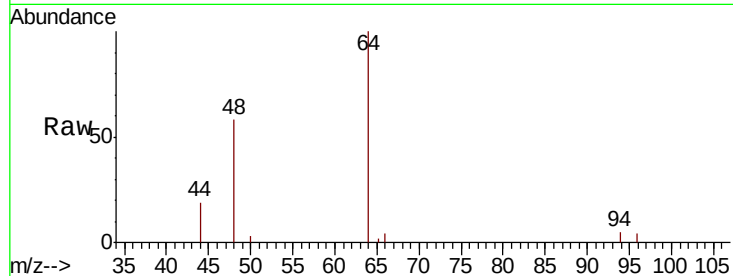




#6
Bromomethane
Concen: 0.112 ug/L
RT: 1.86 min Scan# 163
Delta R.T. -0.00 min
Lab File: VU041289.D
Acq: 17 Nov 2020 18:42

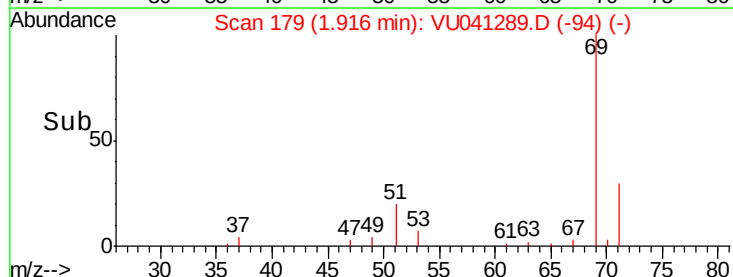
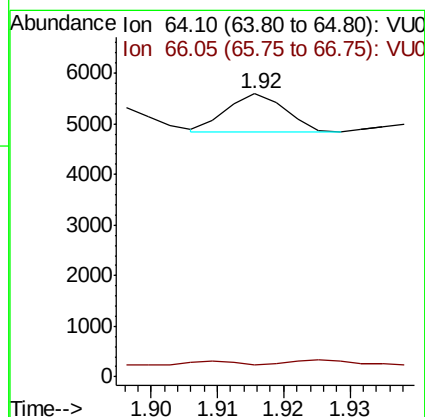
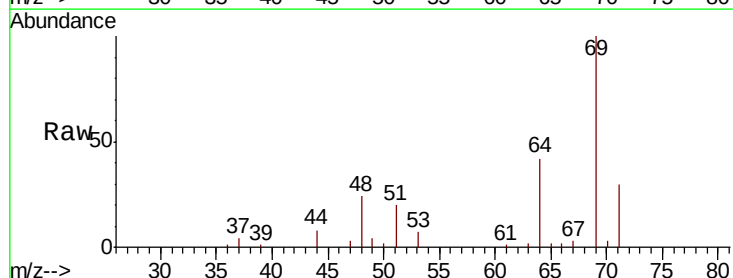
Instrument :
MSVOA_U
ClientSampleId :
H4417

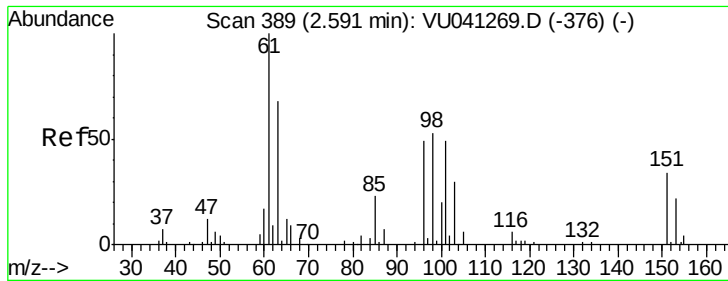
Tot Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 68.8 63.5 117.9



#8
Chloroethane
Concen: 0.124 ug/L
RT: 1.92 min Scan# 179
Delta R.T. -0.03 min
Lab File: VU041289.D
Acq: 17 Nov 2020 18:42

Tgt Ion: 64 Resp: 470
Ion Ratio Lower Upper
64 100
66 4.4 22.3 41.5#





#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

H4417

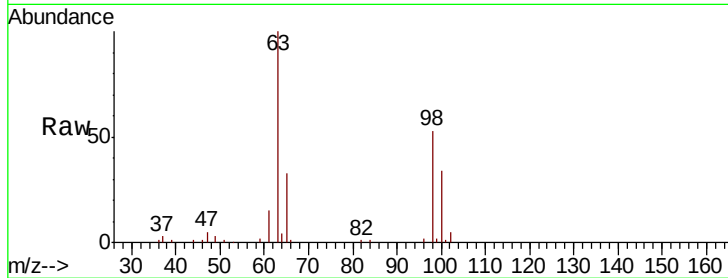
Tot Ion:101 Resp: 236

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

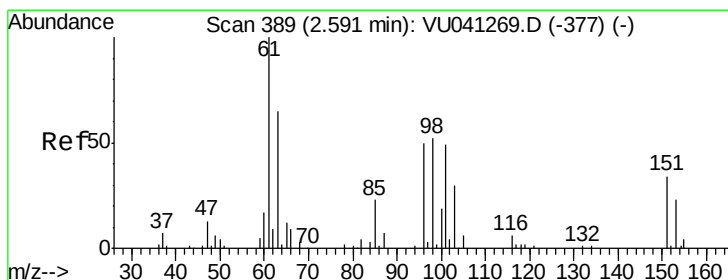
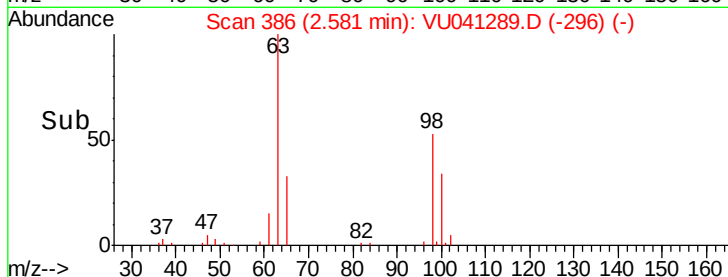
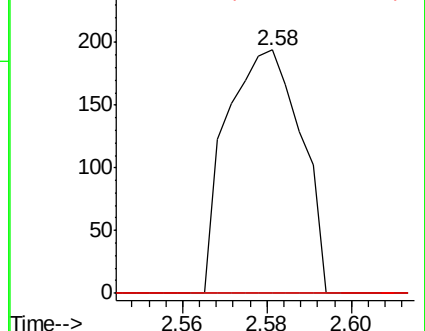
151 0.0 55.3 82.9#



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: 0.155 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

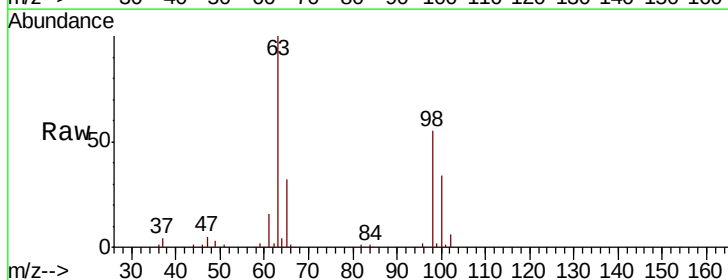
Tgt Ion: 96 Resp: 663

Ion Ratio Lower Upper

96 100

61 727.0 134.3 249.5#

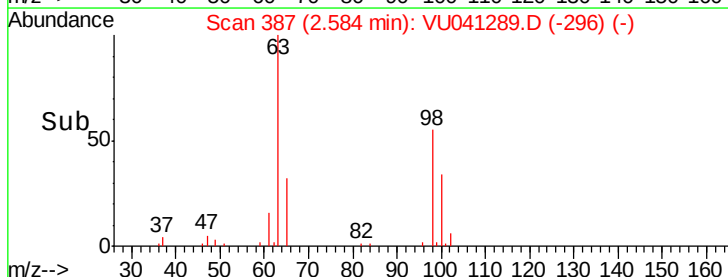
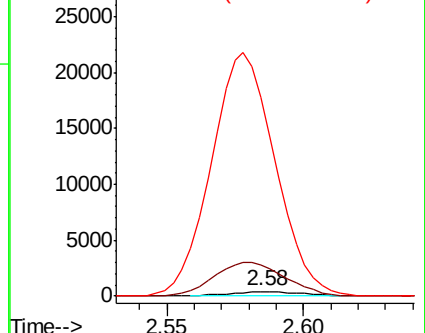
63 4670.2 95.0 176.4#

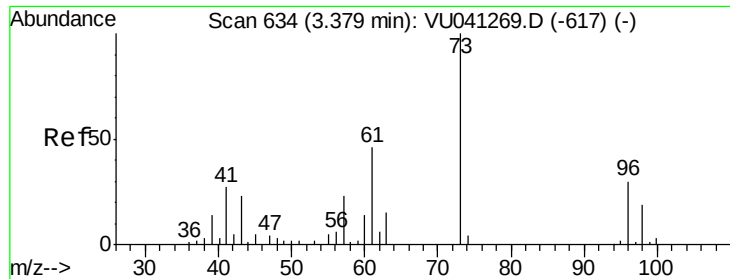


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

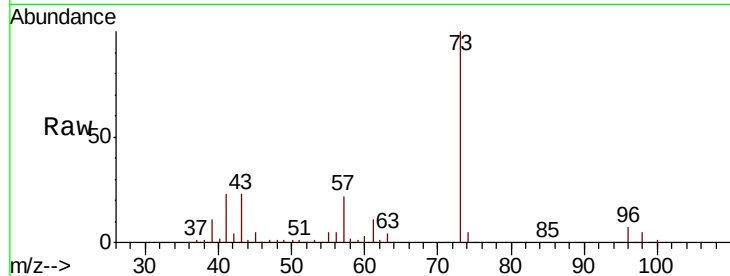




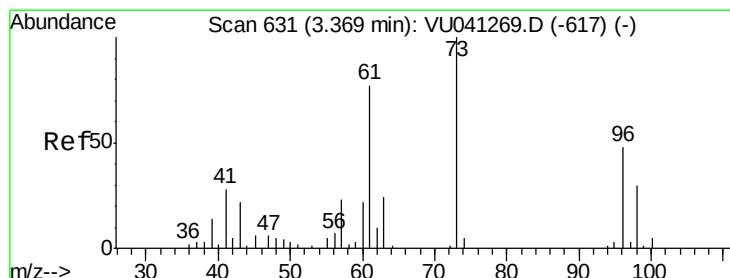
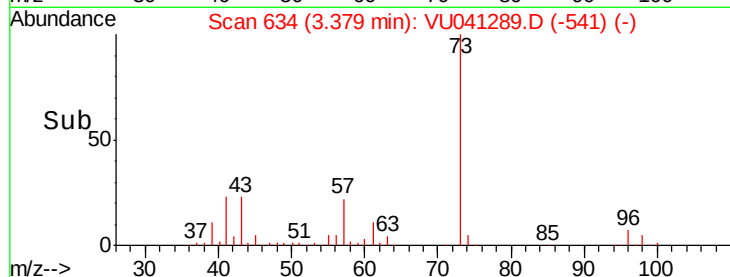
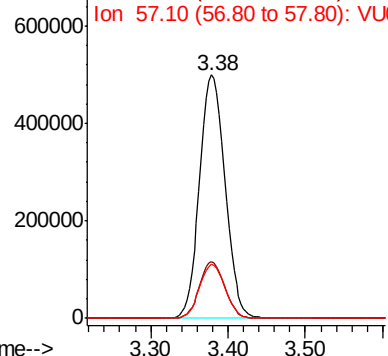
#17
Methyl tert-butyl Ether
Concen: 97.840 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041289.D
Acq: 17 Nov 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
H4417

Tot Ion: 73 Resp: 1142721
Ion Ratio Lower Upper
73 100
43 23.0 18.5 27.7
57 22.3 18.4 27.6

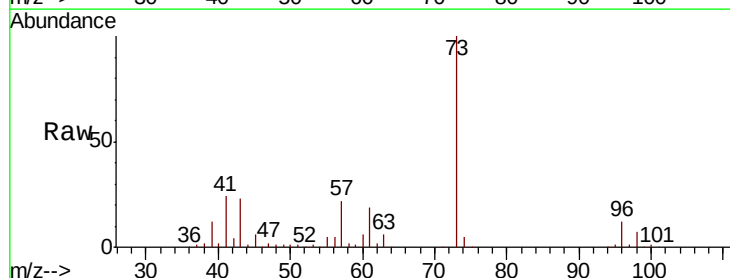


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

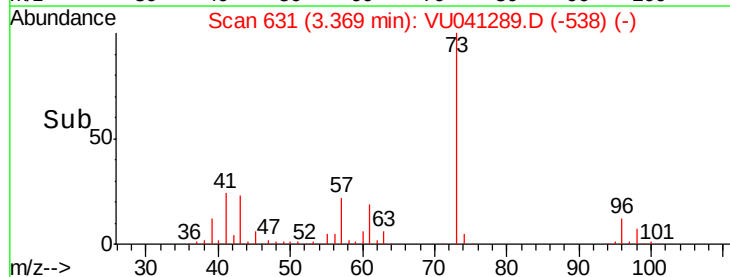
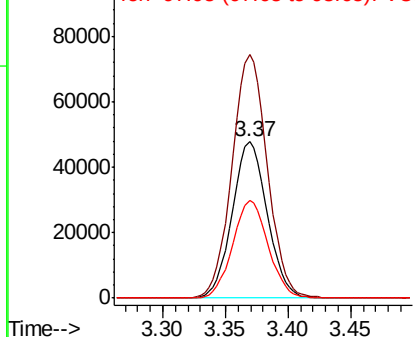


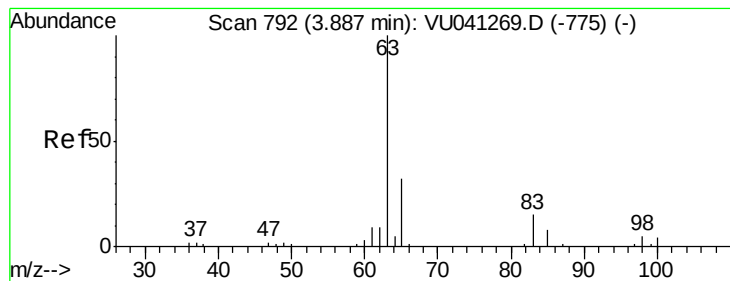
#18
trans-1,2-Dichloroethene
Concen: 22.395 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041289.D
Acq: 17 Nov 2020 18:42

Tgt Ion: 96 Resp: 93048
Ion Ratio Lower Upper
96 100
61 156.1 110.9 205.9
98 62.5 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: 1.167 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

H4417

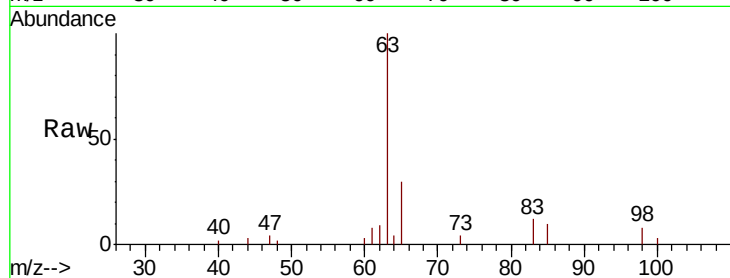
Tot Ion: 63 Resp: 10837

Ion Ratio Lower Upper

63 100

65 30.3 21.3 39.6

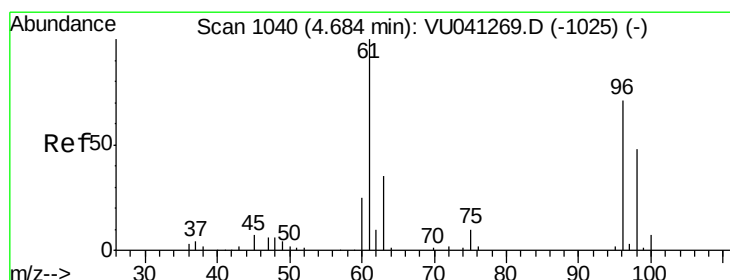
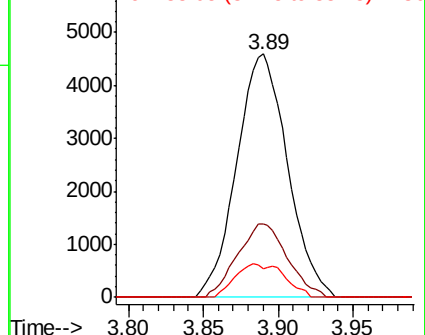
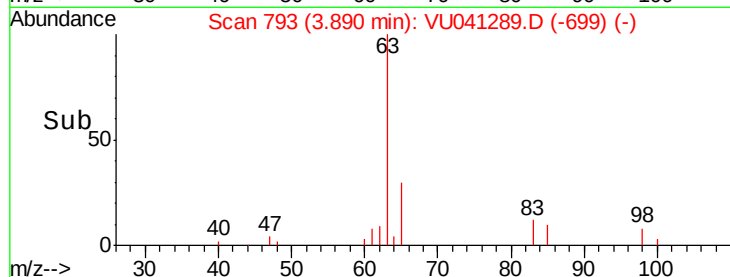
83 12.0 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041289.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041289.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041289.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 67.769 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

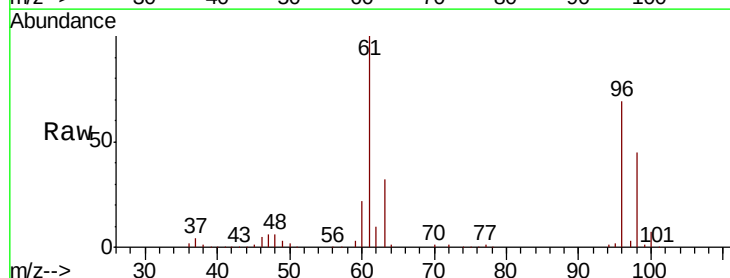
Tgt Ion: 96 Resp: 318005

Ion Ratio Lower Upper

96 100

61 143.9 97.2 180.4

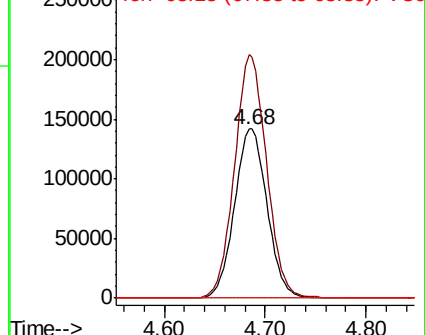
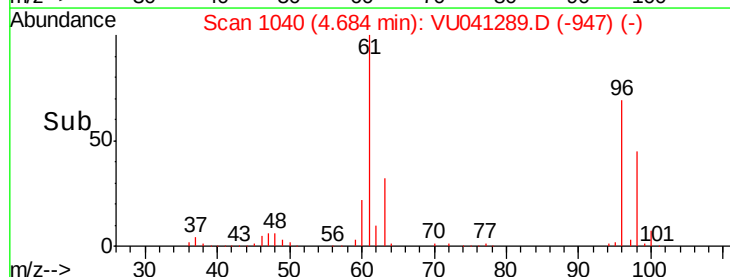
68 0.0 0.0 0.0

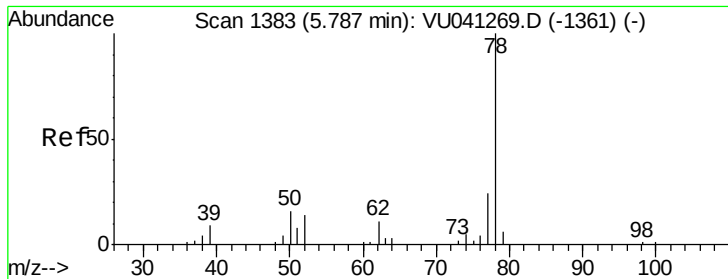


Abundance Ion 96.00 (95.70 to 96.70): VU041289.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041289.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041289.D (-947) (-)





#33

Benzene

Concen: 0.268 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

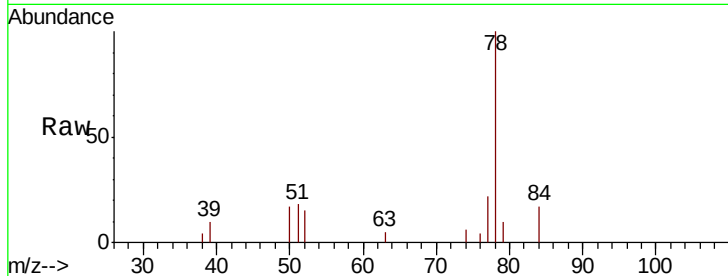
Instrument :

MSVOA_U

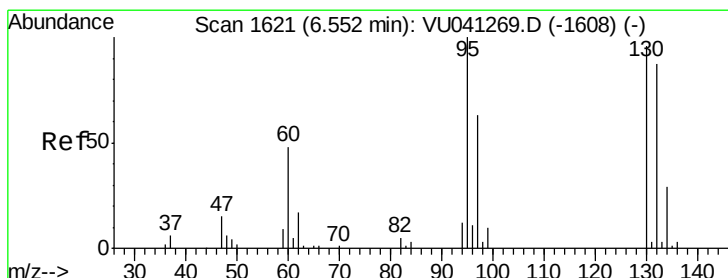
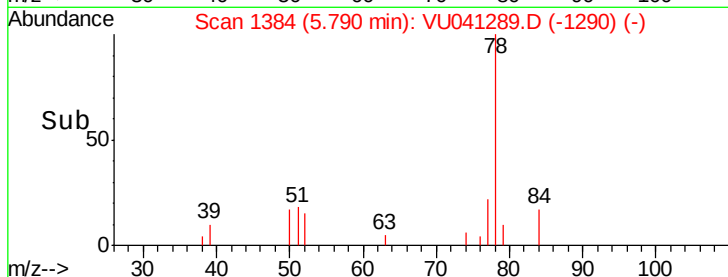
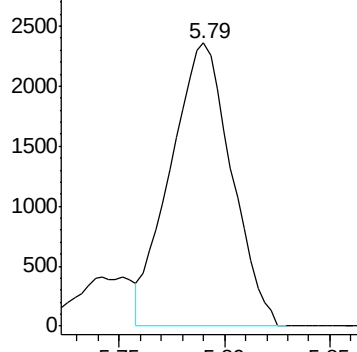
ClientSampleId :

H4417

Tgt Ion: 78 Resp: 4740



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 2.174 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

Tgt Ion: 95 Resp: 10380

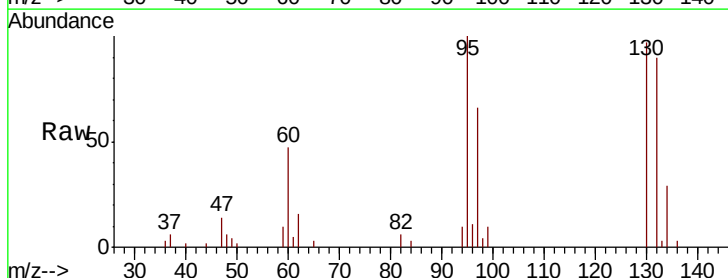
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.6	84.6
132	89.6	64.8	120.4
130	96.6	64.8	120.4

95 100

97 65.6 45.6 84.6

132 89.6 64.8 120.4

130 96.6 64.8 120.4

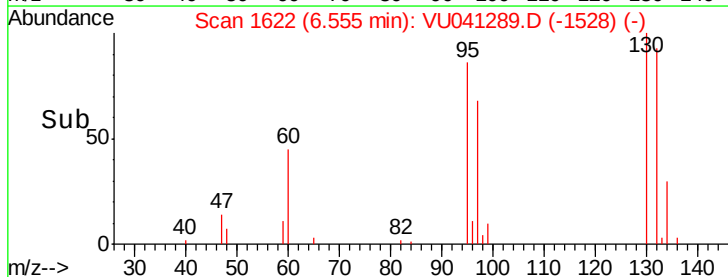
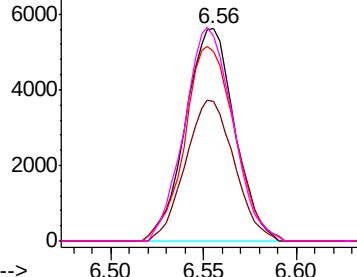


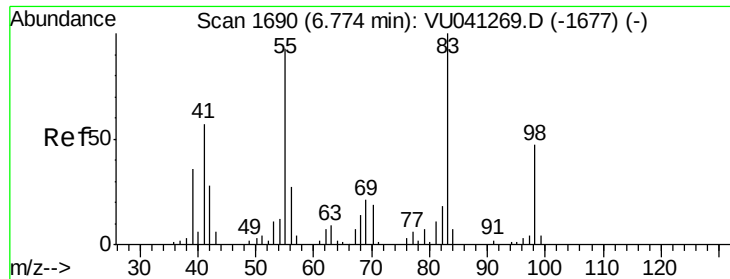
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

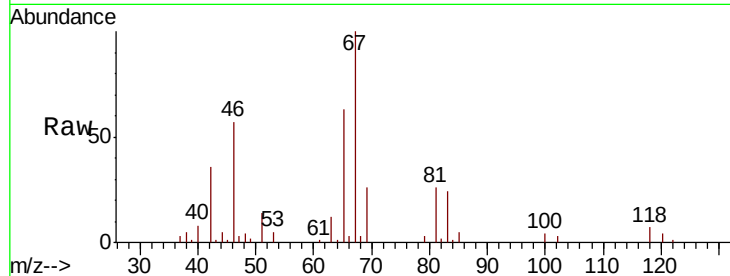




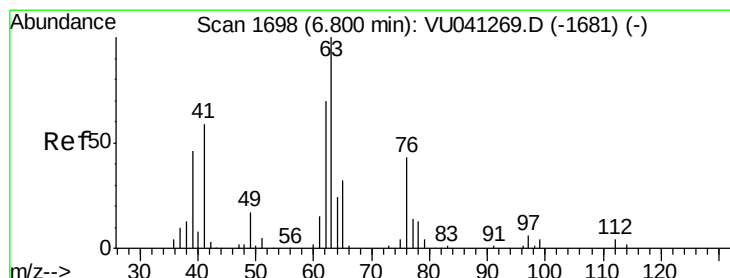
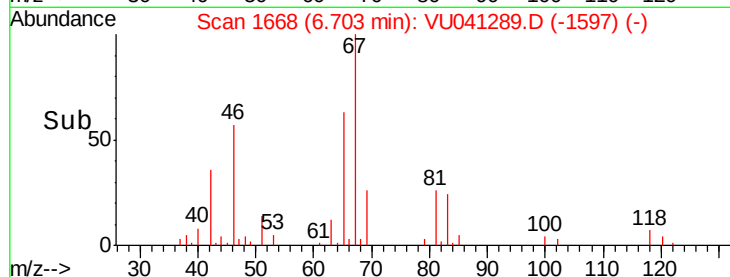
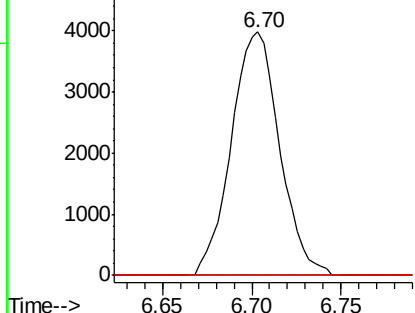
#35
Methylcyclohexane
Concen: 1.181 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041289.D
Acq: 17 Nov 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
H4417

Tot Ion: 83 Resp: 7491
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 3.9 36.6 55.0#

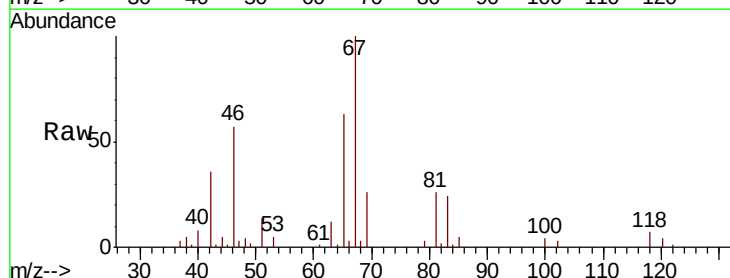


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

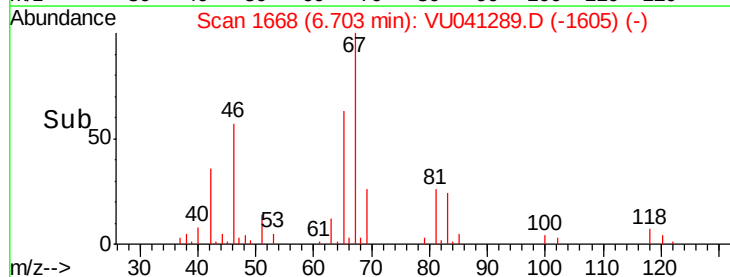
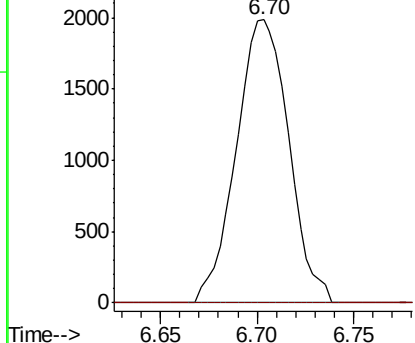


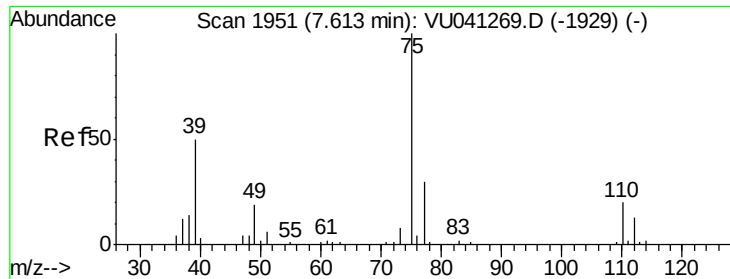
#37
1,2-Dichloropropane
Concen: 0.727 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041289.D
Acq: 17 Nov 2020 18:42

Tgt Ion: 63 Resp: 3754
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

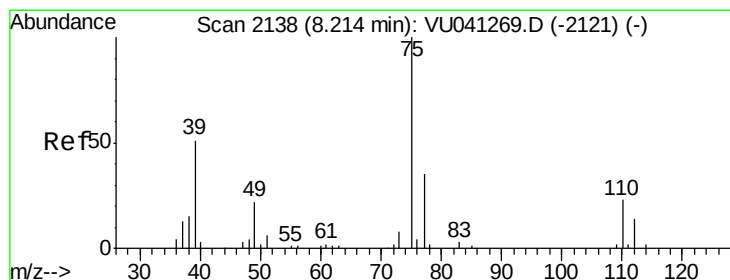
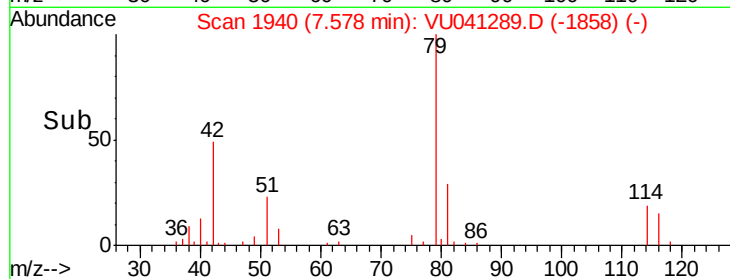
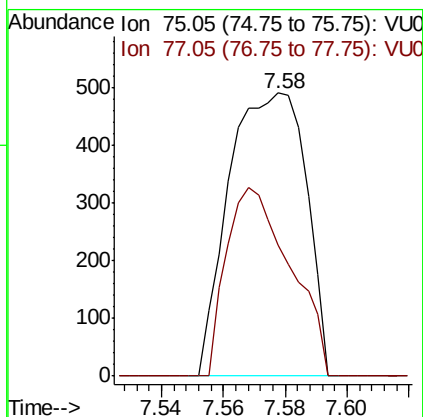
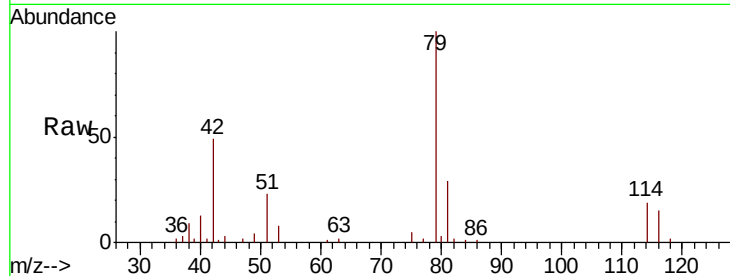




#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041289.D
 Acq: 17 Nov 2020 18:42

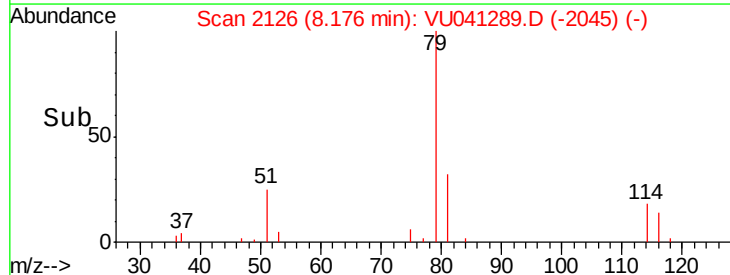
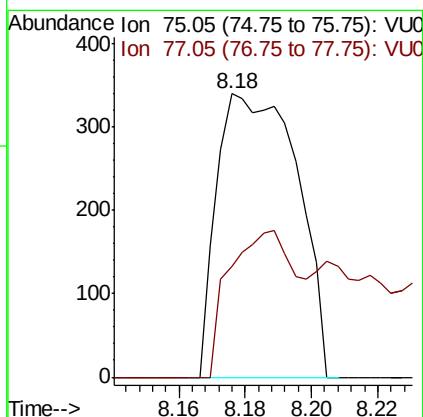
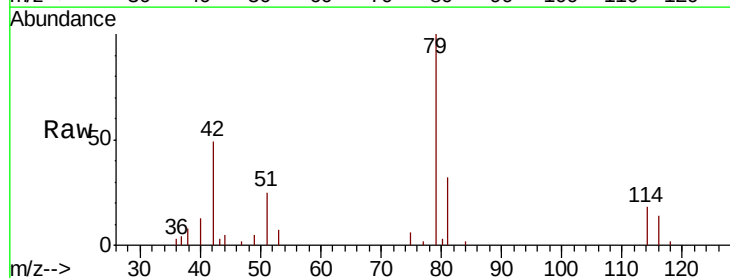
Instrument :
 MSVOA_U
 ClientSampled :
 H4417

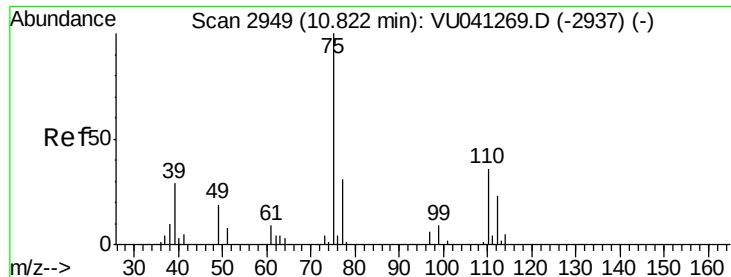
Tot Ion: 75 Resp: 845
 Ion Ratio Lower Upper
 75 100
 77 46.1 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 8.18 min Scan# 2126
 Delta R.T. -0.04 min
 Lab File: VU041289.D
 Acq: 17 Nov 2020 18:42

Tgt Ion: 75 Resp: 570
 Ion Ratio Lower Upper
 75 100
 77 39.2 23.3 43.3





#59

1,2,3-Trichloropropane

Concen: 0.820 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041289.D

Acq: 17 Nov 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

H4417

Tot Ion: 75 Resp: 3339

Ion Ratio Lower Upper

75 100

77 41.7 25.7 38.5#

