

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041299.D
 Acq On : 18 Nov 2020 00:37
 Operator : SY/MD
 Sample : L4759-04DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4416DL

Quant Time: Nov 18 00:54:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 18 00:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	66954	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66805	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23562	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.92	69	20764	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.58	63	36043	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.66	46	97005	47.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.54%
24) Chloroform-d	5.08	84	52492	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	32889	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.74	84	92378	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.70	67	32026	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.91	98	73835	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.19	79	12467	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	68274	47.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27498	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	27589	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

				Ovalue
3) Chloromethane	1.52	50	478	0.080 ug/L # 43
5) Vinyl chloride	1.61	62	5898	1.015 ug/L # 1
8) Chloroethane	1.93	64	175	0.045 ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	236	0.048 ug/L # 22
12) 1,1-Dichloroethene	2.58	96	232	0.053 ug/L # 1
16) Methylene chloride	3.07	84	2053	0.376 ug/L 96
17) Methyl tert-butyl Ether	3.38	73	71392	5.983 ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	5149	1.213 ug/L 89
19) 1,1-Dichloroethane	3.89	63	2130	0.224 ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	42460	8.857 ug/L 98
27) 1,2-Dichloroethane	5.73	62	330	0.045 ug/L # 74
33) Benzene	5.79	78	931	0.051 ug/L 100
34) Trichloroethene	6.55	95	17362	3.548 ug/L 94
35) Methylcyclohexane	6.71	83	7567	1.164 ug/L # 13
37) 1,2-Dichloropropane	6.70	63	4116	0.778 ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	834	0.113 ug/L # 77
44) trans-1,3-Dichloropropene	8.19	75	595	0.085 ug/L # 70

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 18 00:06:52 2020
Response via : Initial Calibration

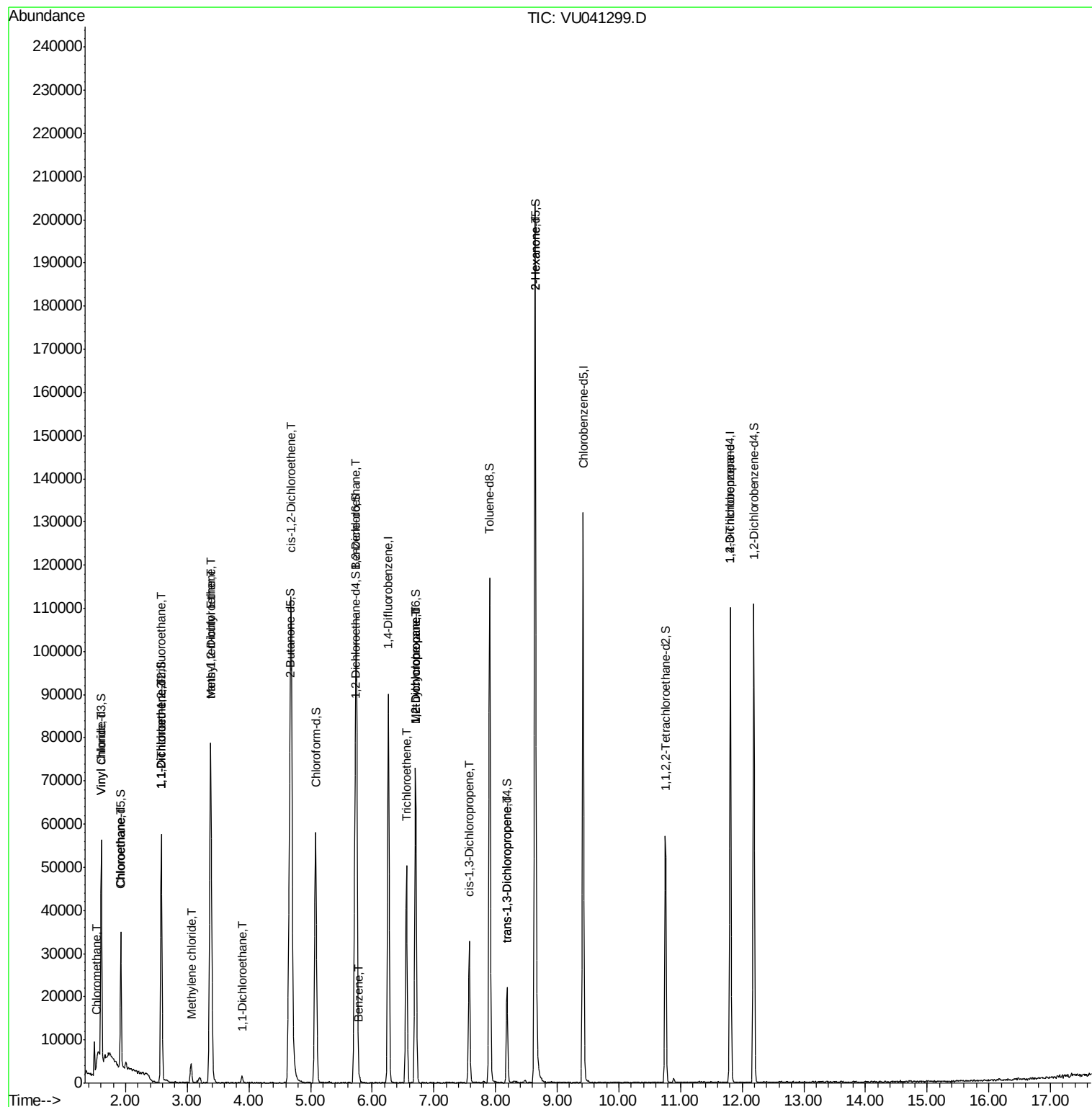
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	10986	3.361	ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	3542	0.849	ug/L #	86

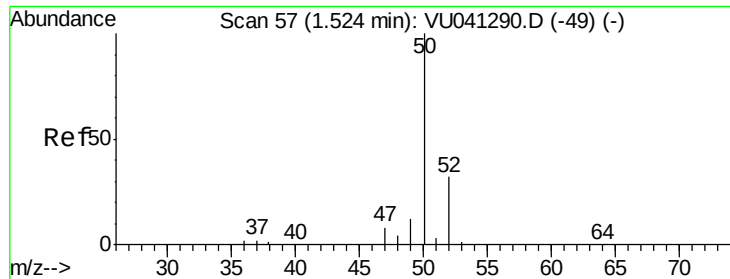
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.00 min

Lab File: VU041299.D

Acq: 18 Nov 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

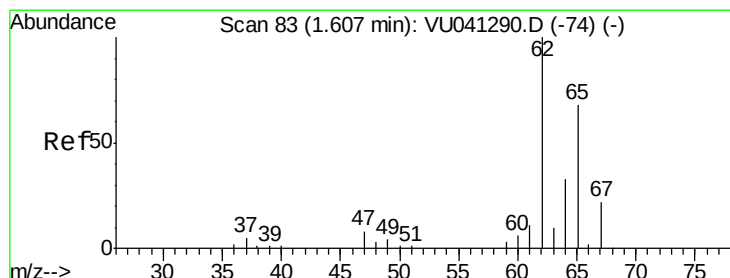
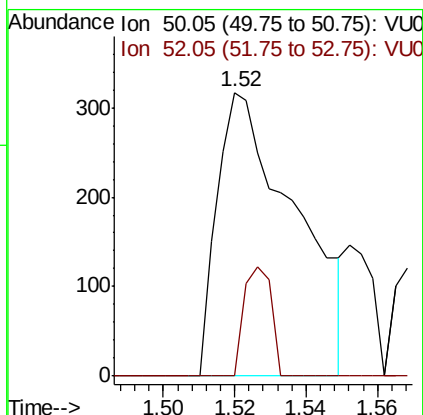
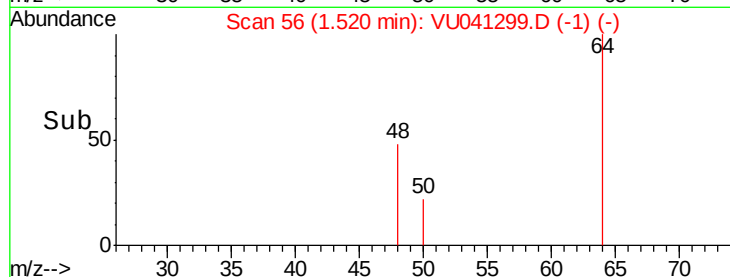
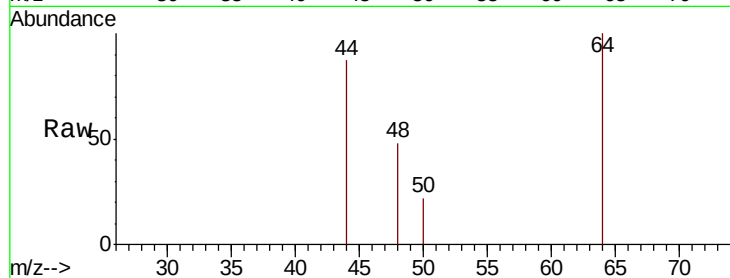
H4416DL

Tot Ion: 50 Resp: 478

Ion Ratio Lower Upper

50 100

52 0.0 22.4 41.6#



#5

Vinyl chloride

Concen: 1.015 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041299.D

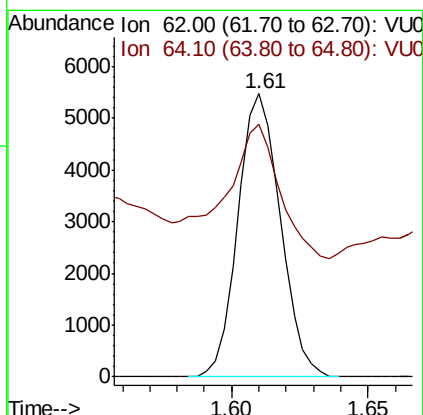
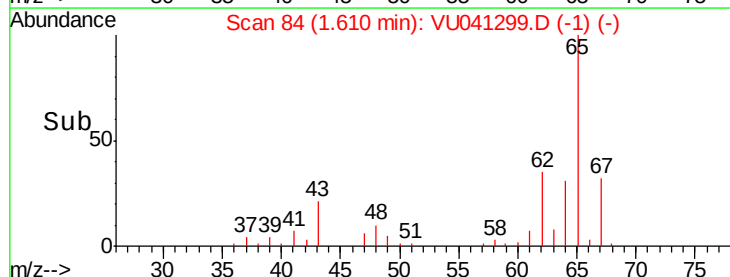
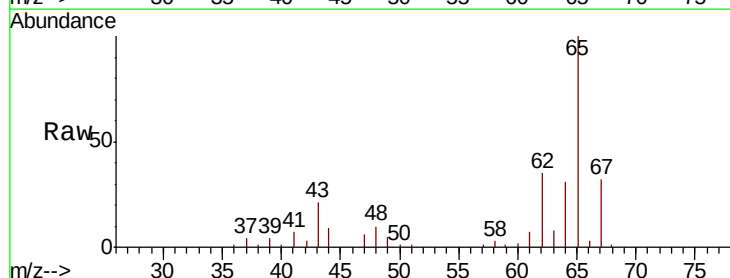
Acq: 18 Nov 2020 00:37

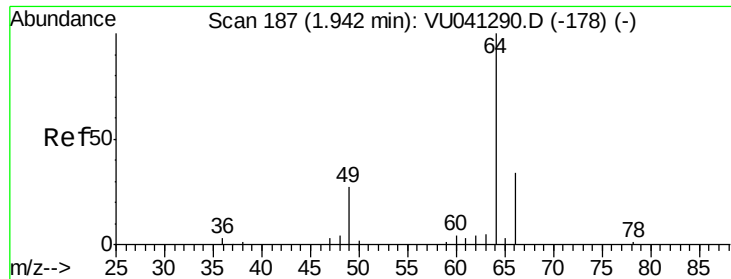
Tgt Ion: 62 Resp: 5898

Ion Ratio Lower Upper

62 100

64 89.3 22.7 42.3#

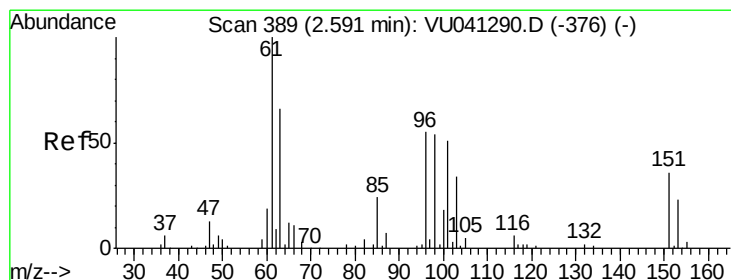
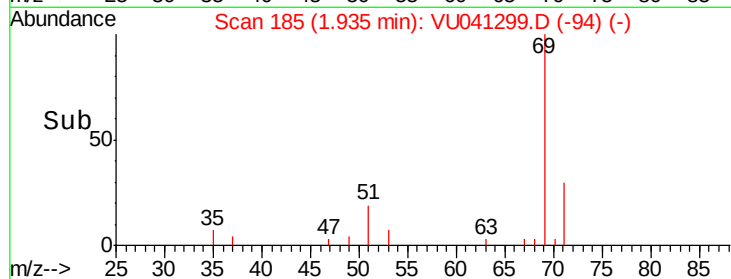
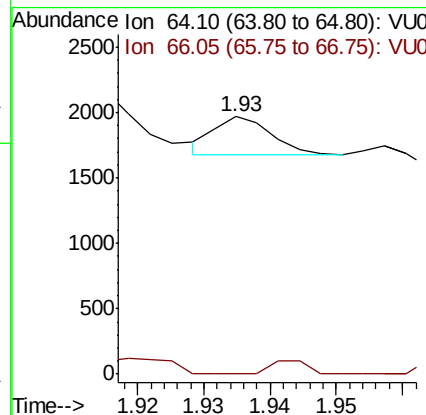
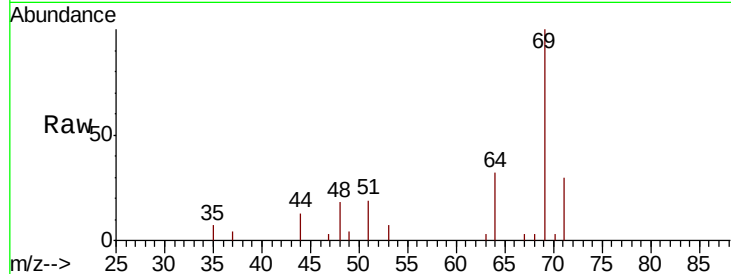




#8
Chloroethane
Concen: 0.045 ug/L
RT: 1.93 min Scan# 185
Delta R.T. -0.01 min
Lab File: VU041299.D
Acq: 18 Nov 2020 00:37

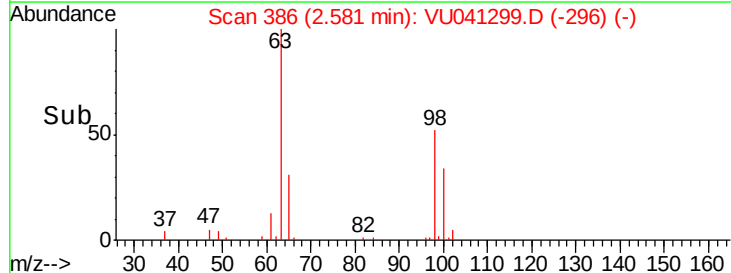
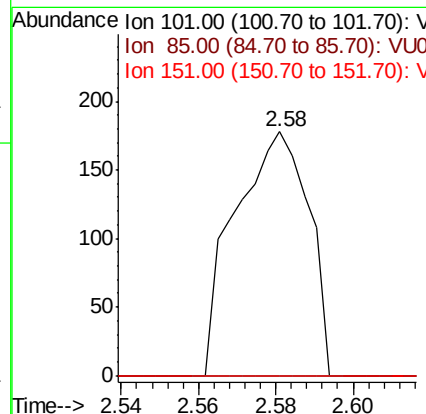
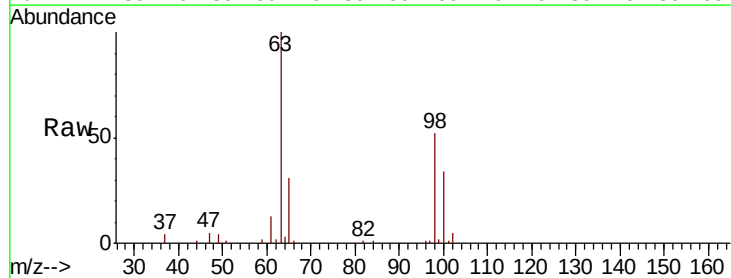
Instrument :
MSVOA_U
ClientSampleId :
H4416DL

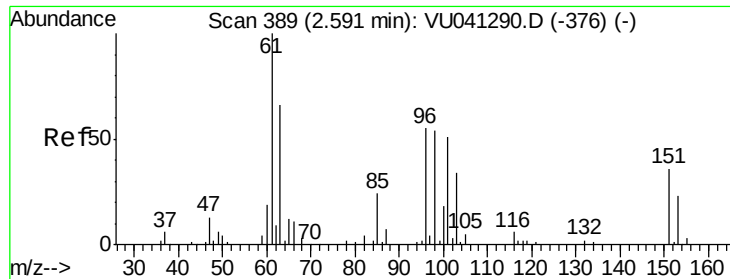
Tot Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.048 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU041299.D
Acq: 18 Nov 2020 00:37

Tgt Ion:101 Resp: 236
Ion Ratio Lower Upper
101 100
85 0.0 35.0 52.4#
151 0.0 55.3 82.9#

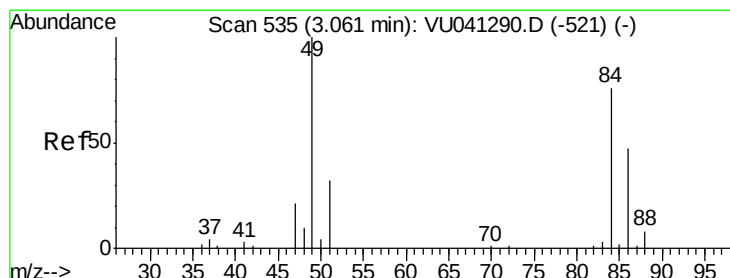
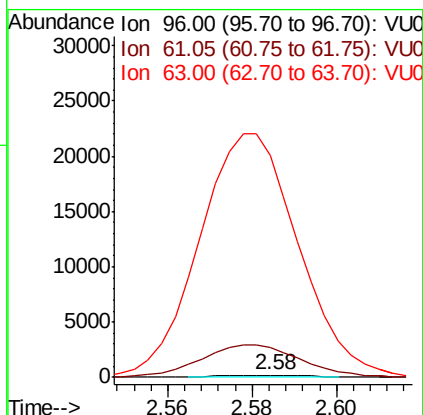
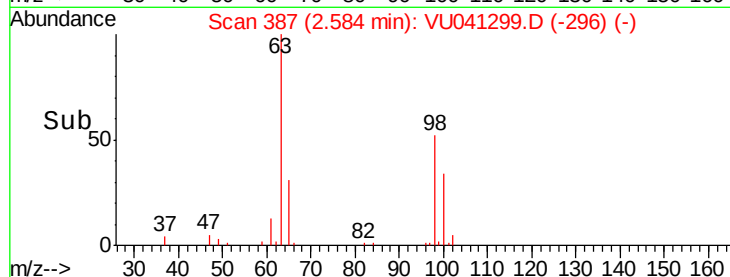
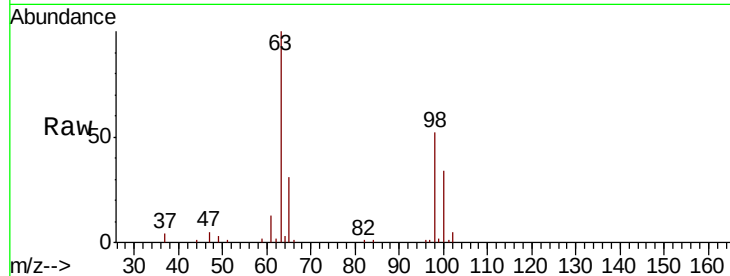




#12
 1,1-Dichloroethene
 Concen: 0.053 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

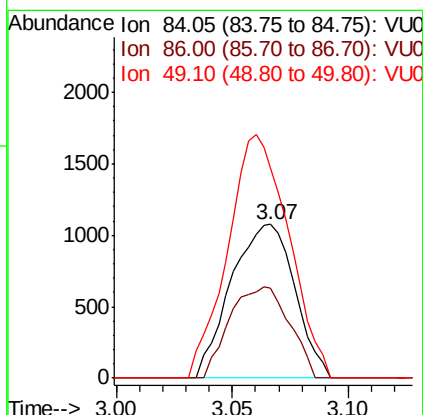
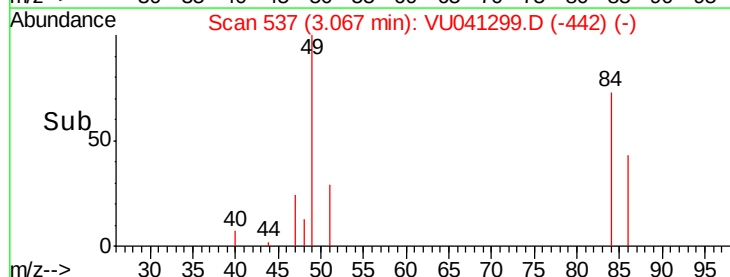
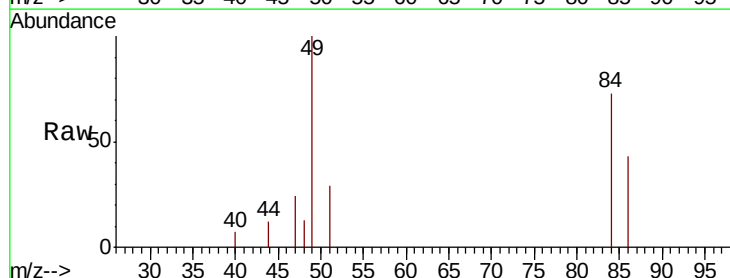
Instrument :
 MSVOA_U
 ClientSampleId :
 H4416DL

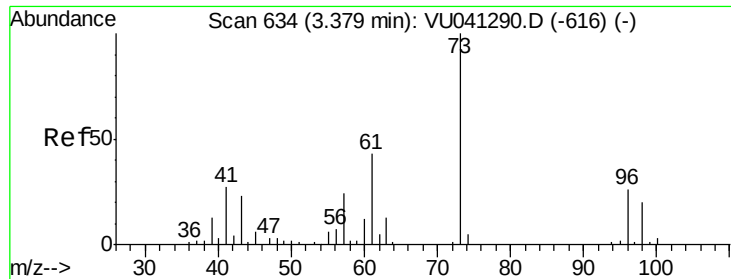
Tot Ion: 96 Resp: 232
 Ion Ratio Lower Upper
 96 100
 61 1383.5 134.3 249.5#
 63 10334.0 95.0 176.4#



#16
 Methylene chloride
 Concen: 0.376 ug/L
 RT: 3.07 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

Tgt Ion: 84 Resp: 2053
 Ion Ratio Lower Upper
 84 100
 86 58.3 42.8 79.6
 49 136.6 99.5 184.7

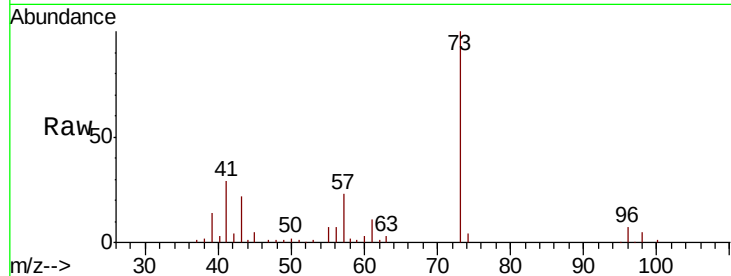




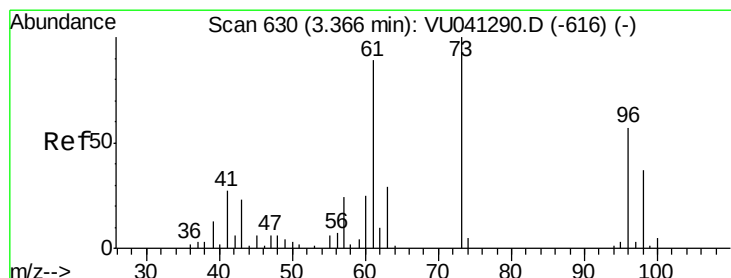
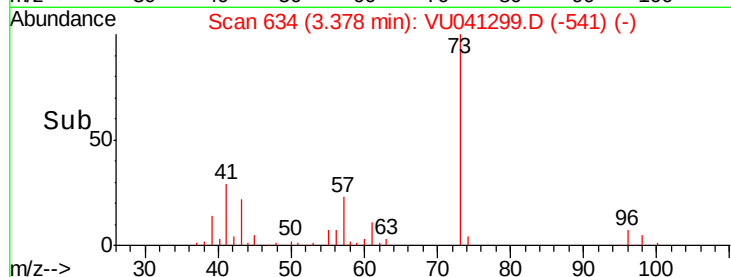
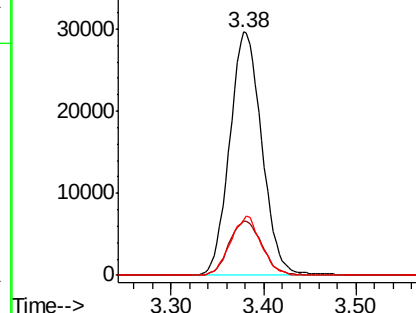
#17
Methyl tert-butyl Ether
Concen: 5.983 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041299.D
Acq: 18 Nov 2020 00:37

Instrument :
MSVOA_U
ClientSampleId :
H4416DL

Tot Ion: 73 Resp: 71392
Ion Ratio Lower Upper
73 100
43 22.9 18.5 27.7
57 23.1 18.4 27.6

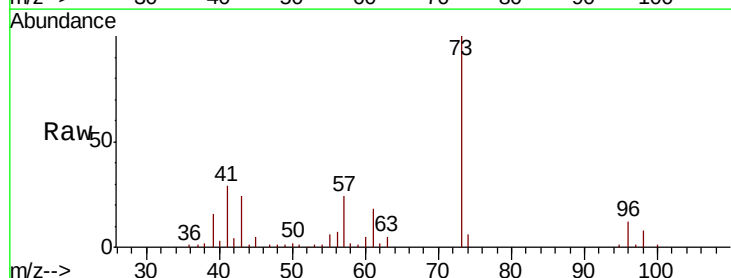


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

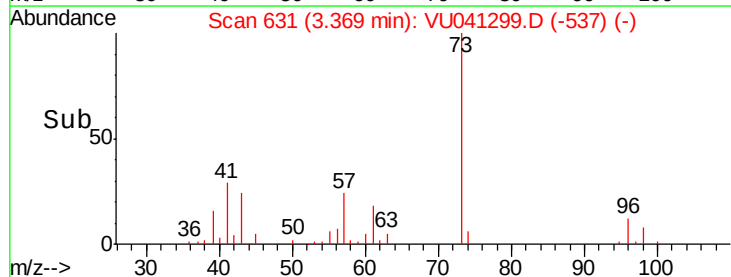
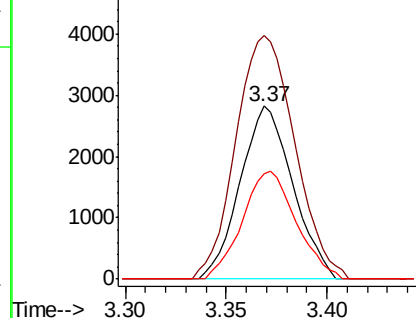


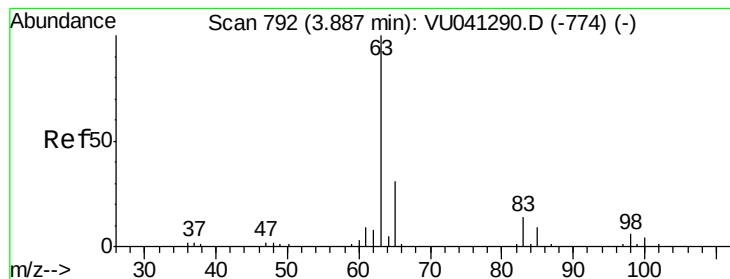
#18
trans-1,2-Dichloroethene
Concen: 1.213 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041299.D
Acq: 18 Nov 2020 00:37

Tgt Ion: 96 Resp: 5149
Ion Ratio Lower Upper
96 100
61 140.8 110.9 205.9
98 61.1 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

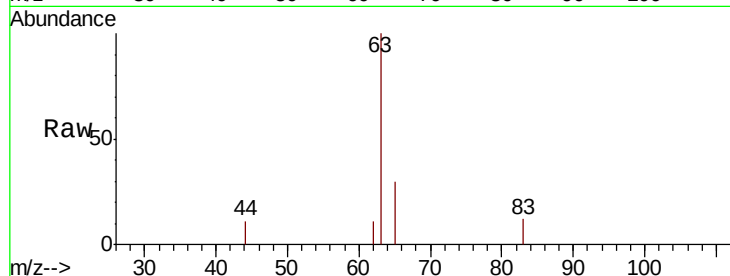




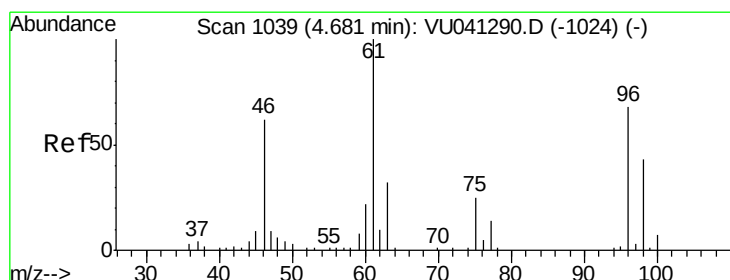
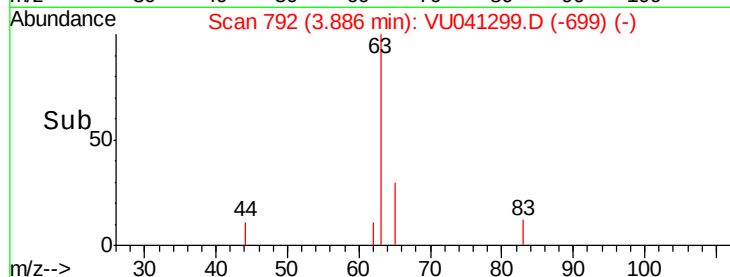
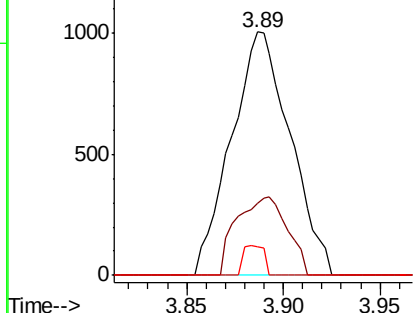
#19
 1,1-Dichloroethane
 Concen: 0.224 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

Instrument :
 MSVOA_U
 ClientSampled :
 H4416DL

Tot Ion: 63 Resp: 2130
 Ion Ratio Lower Upper
 63 100
 65 29.6 21.3 39.6
 83 11.8 8.8 16.3

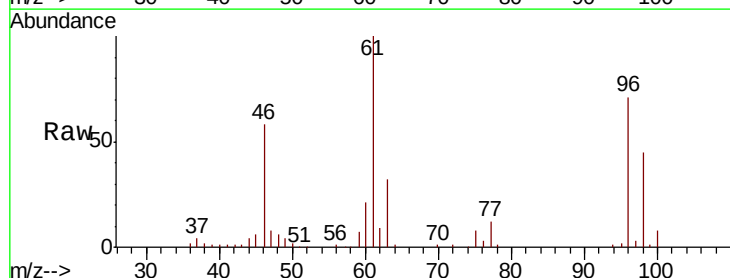


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

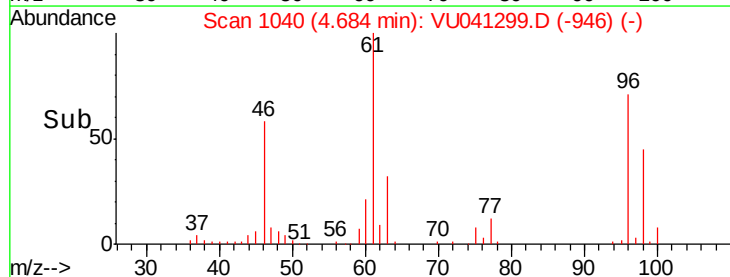
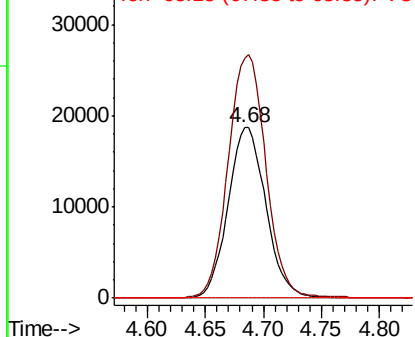


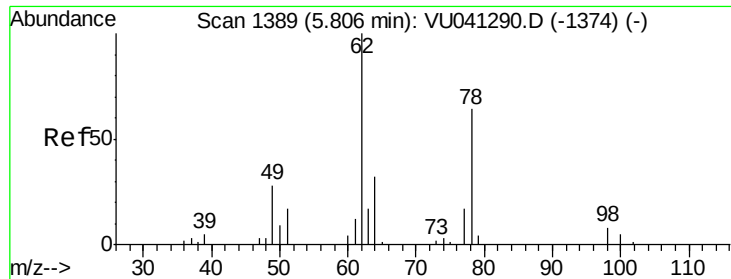
#22
 cis-1,2-Dichloroethene
 Concen: 8.857 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

Tgt Ion: 96 Resp: 42460
 Ion Ratio Lower Upper
 96 100
 61 140.9 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

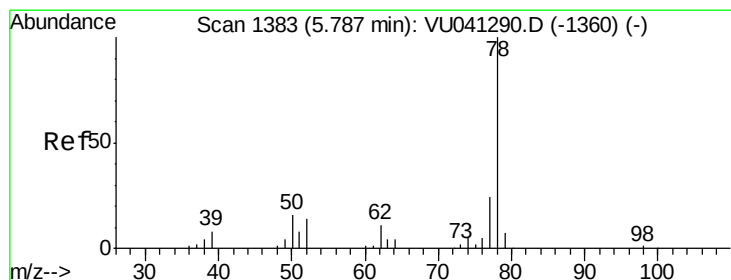
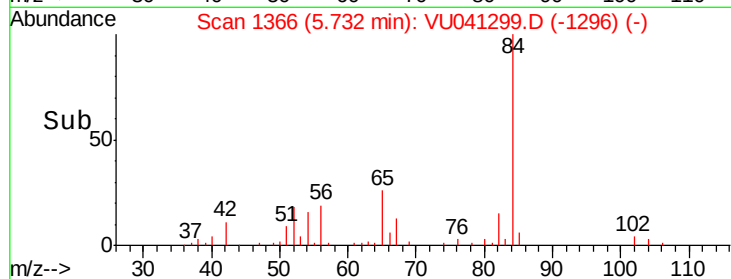
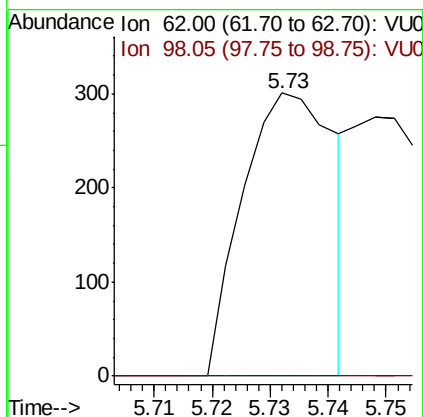
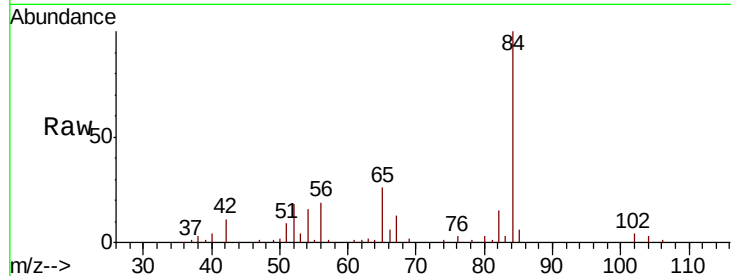




#27
 1,2-Dichloroethane
 Concen: 0.045 ug/L
 RT: 5.73 min Scan# 1366
 Delta R.T. -0.07 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

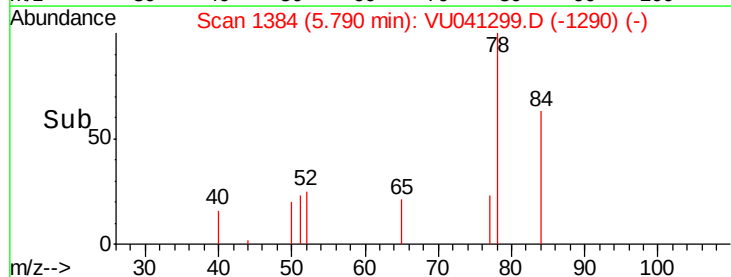
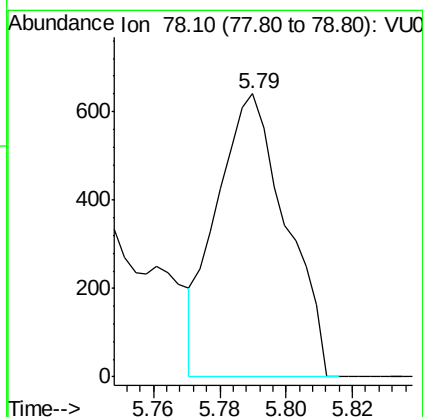
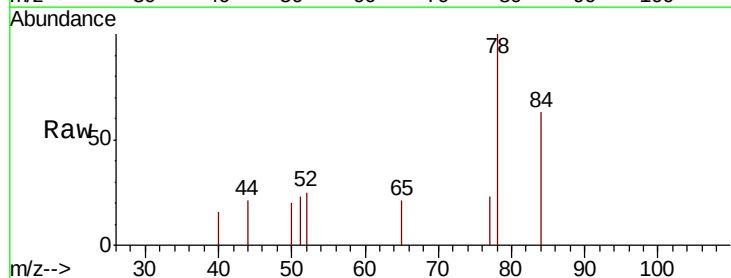
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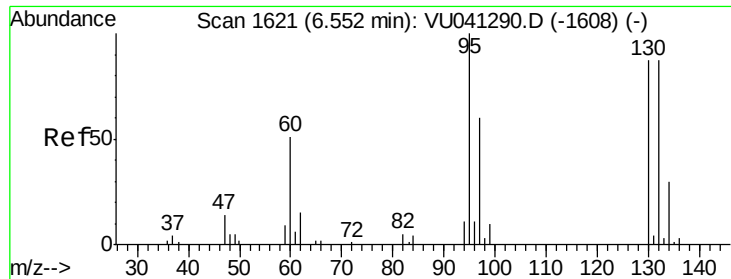
Tot Ion: 62 Resp: 330
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.051 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

Tgt Ion: 78 Resp: 931





#34

Trichloroethene

Concen: 3.548 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041299.D

Acq: 18 Nov 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

H4416DL

Tot Ion: 95 Resp: 17362

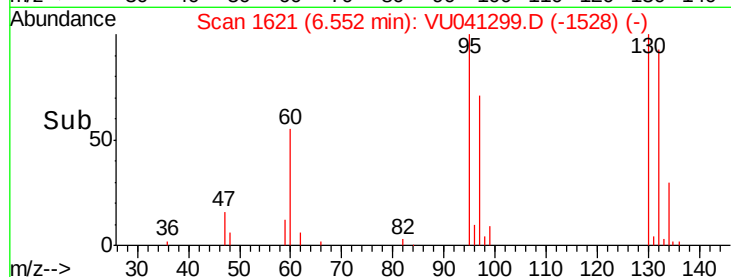
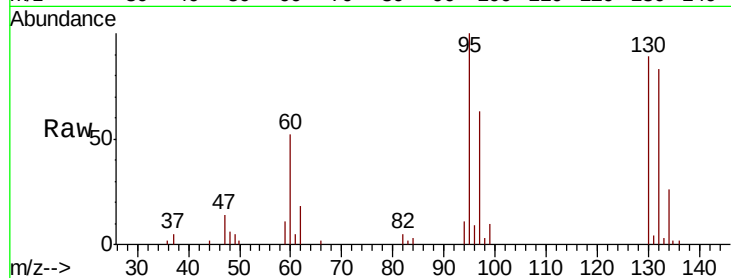
Ion Ratio Lower Upper

95 100

97 63.2 45.6 84.6

132 83.2 64.8 120.4

130 89.2 64.8 120.4

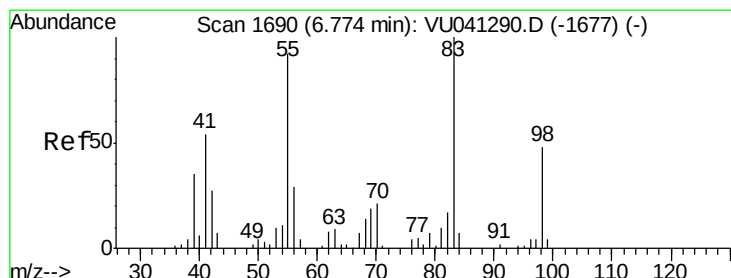
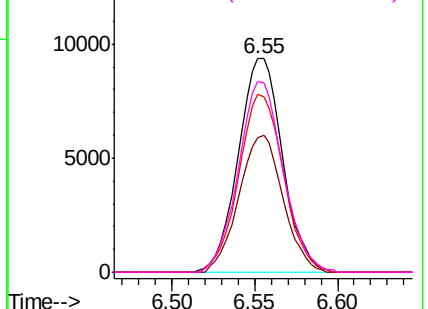


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.164 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU041299.D

Acq: 18 Nov 2020 00:37

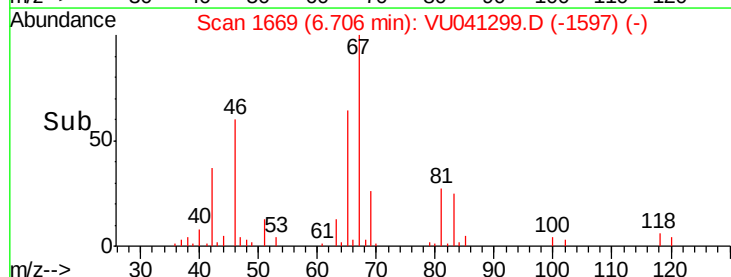
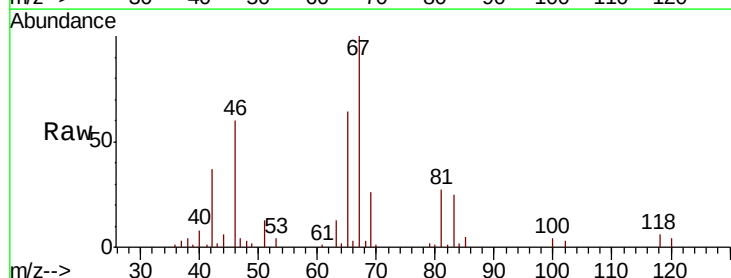
Tgt Ion: 83 Resp: 7567

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

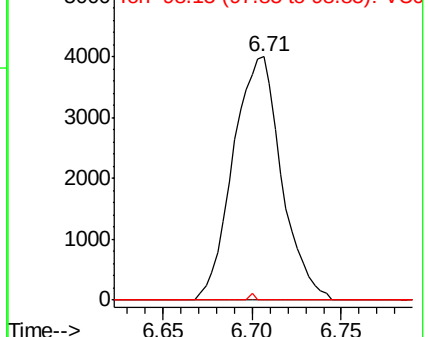
98 0.3 36.6 55.0#

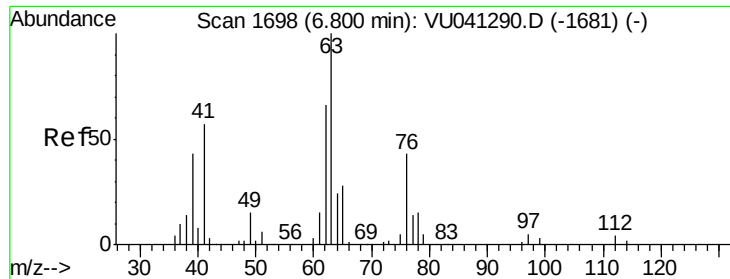


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

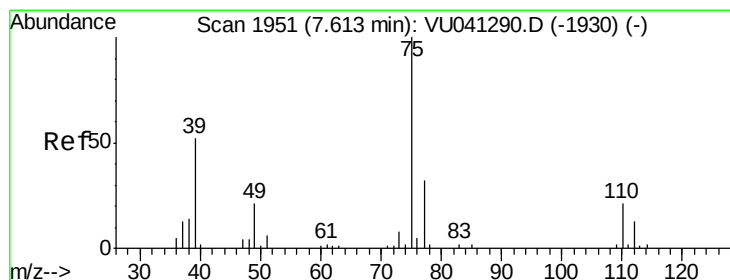
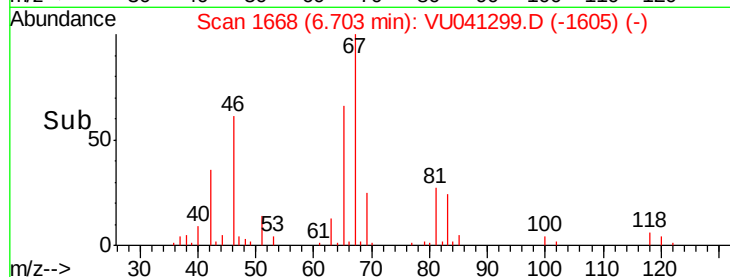
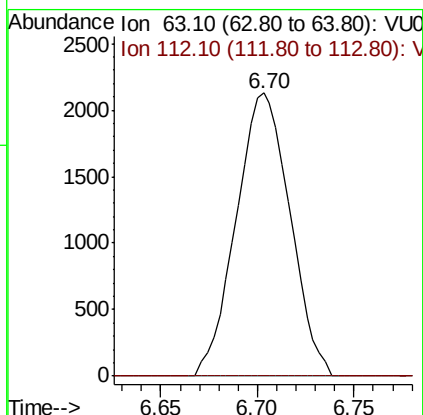
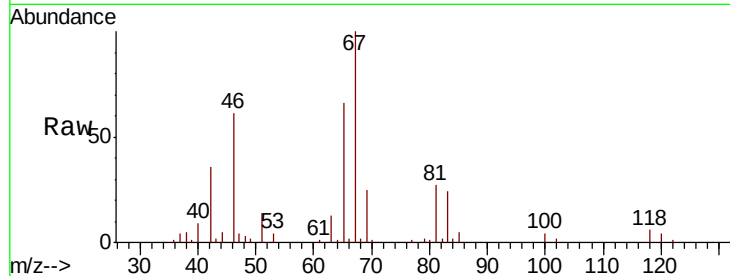




#37
 1,2-Dichloropropane
 Concen: 0.778 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

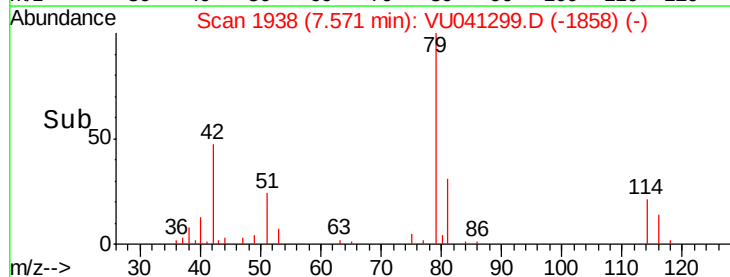
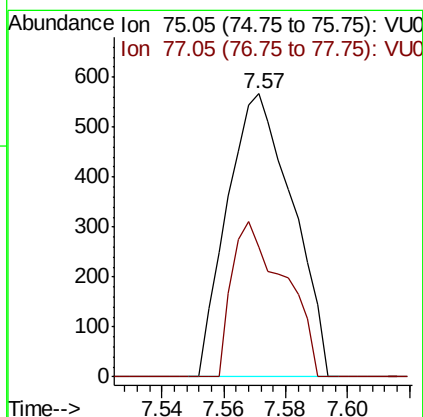
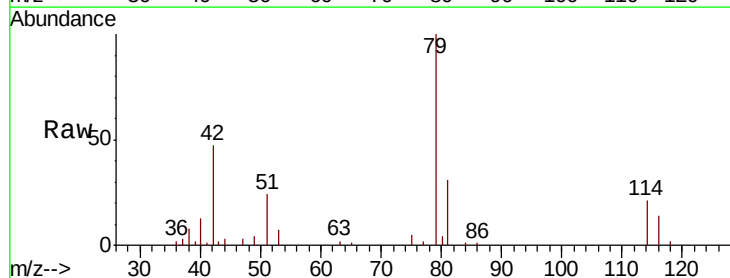
Instrument :
 MSVOA_U
 ClientSampleId :
 H4416DL

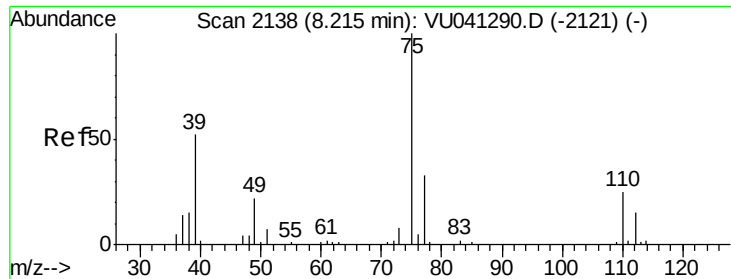
Tot Ion: 63 Resp: 4116
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041299.D
 Acq: 18 Nov 2020 00:37

Tgt Ion: 75 Resp: 834
 Ion Ratio Lower Upper
 75 100
 77 45.7 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041299.D

Acq: 18 Nov 2020 00:37

Instrument :

MSVOA_U

ClientSampled :

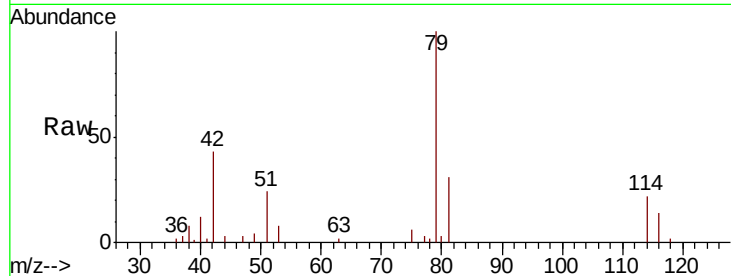
H4416DL

Tot Ion: 75 Resp: 595

Ion Ratio Lower Upper

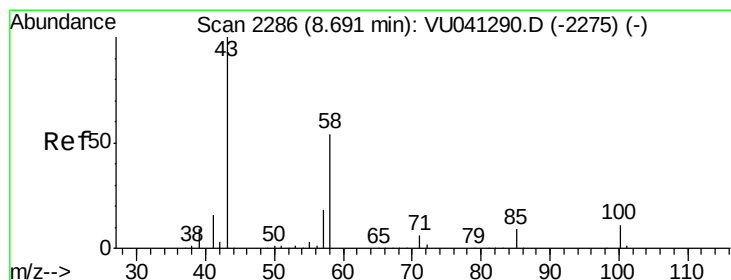
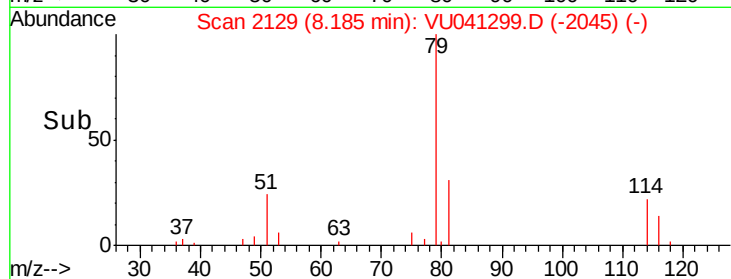
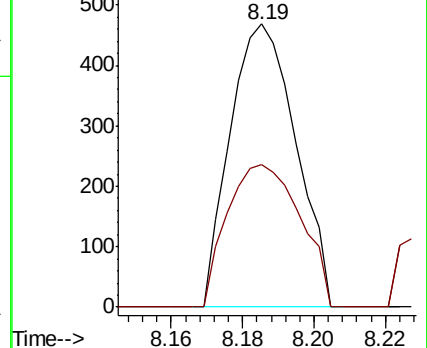
75 100

77 50.4 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 3.361 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041299.D

Acq: 18 Nov 2020 00:37

Tgt Ion: 43 Resp: 10986

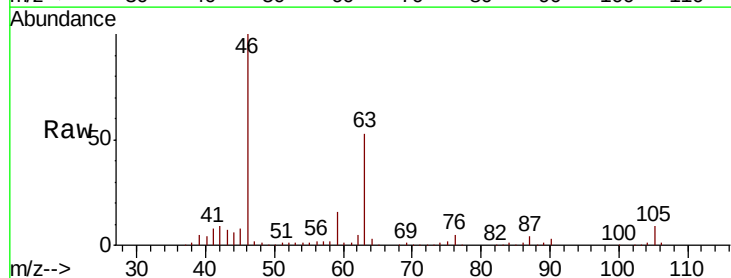
Ion Ratio Lower Upper

43 100

58 30.2 41.4 62.2#

57 30.8 14.6 21.8#

100 1.4 8.3 12.5#

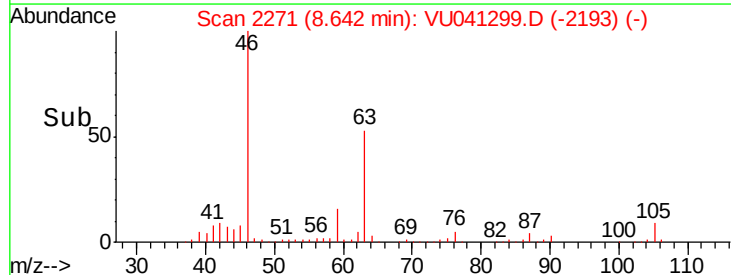
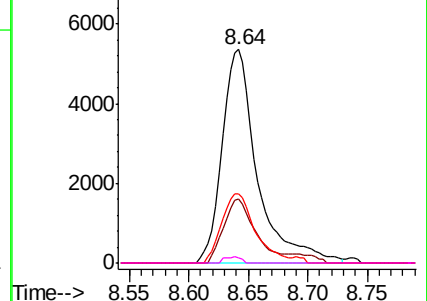


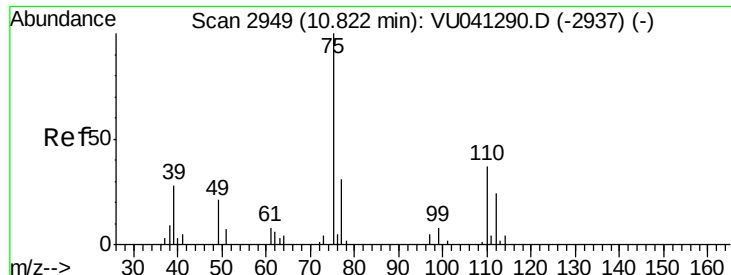
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.849 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041299.D

Acq: 18 Nov 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

H4416DL

Tot Ion: 75 Resp: 3542

Ion Ratio Lower Upper

75 100

77 39.9 25.7 38.5#

