

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041271.D
 Acq On : 17 Nov 2020 11:21
 Operator : SY/MD
 Sample : L4759-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4425

Quant Time: Nov 17 22:34:18 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	69425	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71450	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29242	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23433	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.92	69	21053	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.58	63	37406	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.65	46	100601	47.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.56%
24) Chloroform-d	5.08	84	55337	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.72	65	34293	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	98844	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.70	67	34505	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.91	98	80101	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.18	79	13054	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	68806	45.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29374	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	30566	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

				Ovalue
5) Vinyl chloride	1.61	62	11947	1.982 ug/L # 81
8) Chloroethane	1.94	64	236	0.059 ug/L # 65
12) 1,1-Dichloroethene	2.59	96	1350	0.299 ug/L # 1
13) Acetone	2.67	43	3675	2.631 ug/L # 64
17) Methyl tert-butyl Ether	3.38	73	52000	4.203 ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	15207	3.455 ug/L 98
19) 1,1-Dichloroethane	3.89	63	5632	0.572 ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	230713	46.413 ug/L 99
25) Chloroform	5.10	83	788	0.074 ug/L 92
33) Benzene	5.78	78	1101	0.057 ug/L 100
34) Trichloroethene	6.55	95	133311	25.475 ug/L 98
35) Methylcyclohexane	6.70	83	7769	1.118 ug/L # 13
37) 1,2-Dichloropropane	6.70	63	3694	0.653 ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	845	0.107 ug/L # 33
44) trans-1,3-Dichloropropene	8.19	75	611	0.082 ug/L 94
48) 2-Hexanone	8.68	43	1815	0.519 ug/L # 83
59) 1,2,3-Trichloropropane	11.81	75	4042	0.906 ug/L 92

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

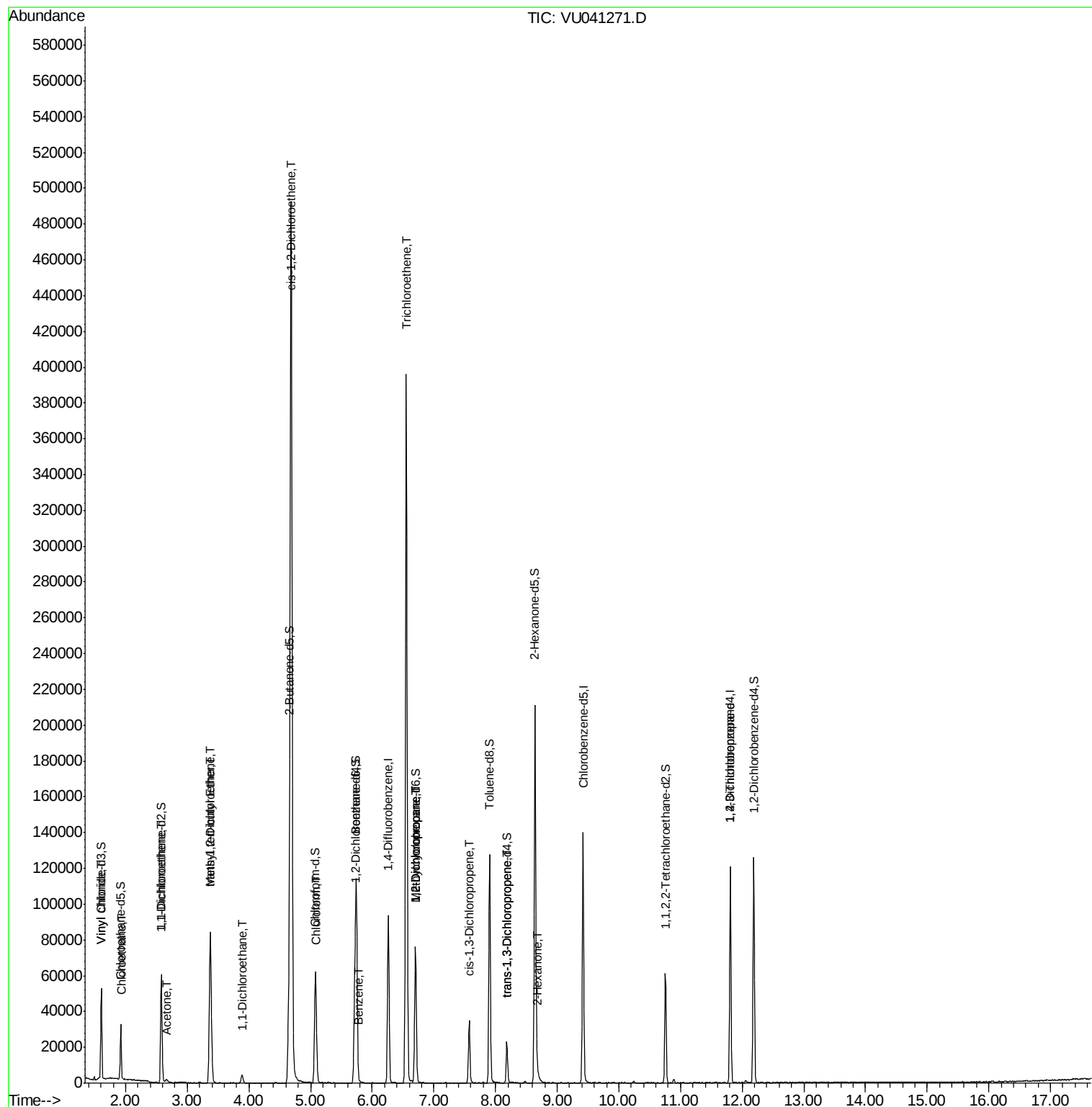
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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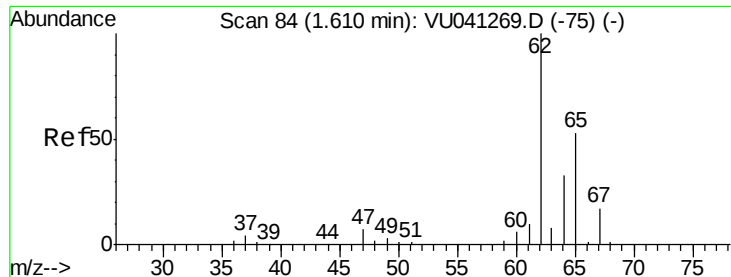
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.982 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041271.D

Acq: 17 Nov 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

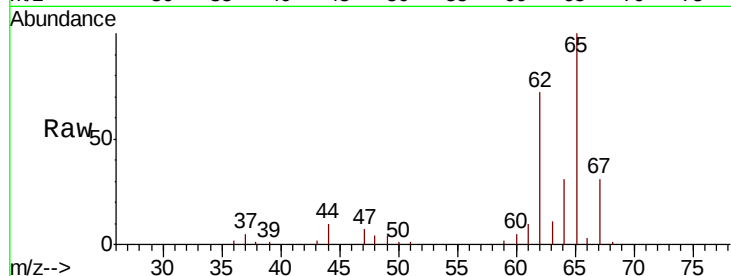
H4425

Tot Ion: 62 Resp: 11947

Ion Ratio Lower Upper

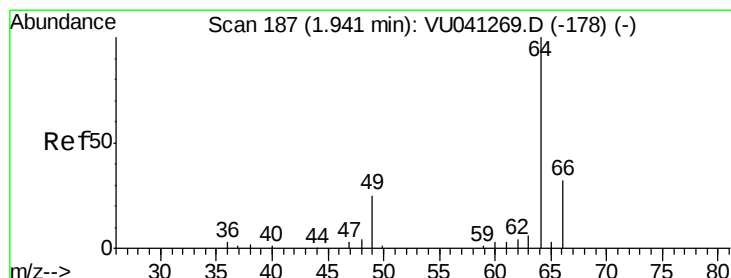
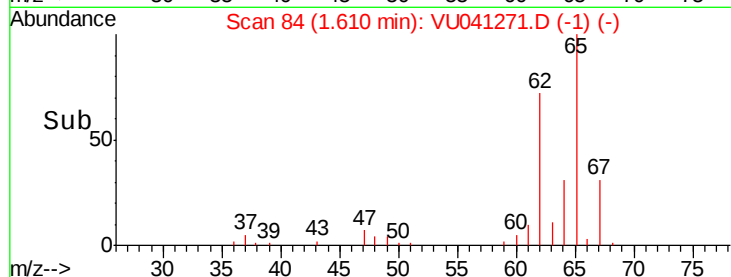
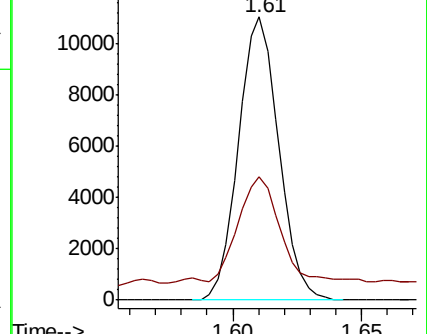
62 100

64 43.4 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: 0.059 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041271.D

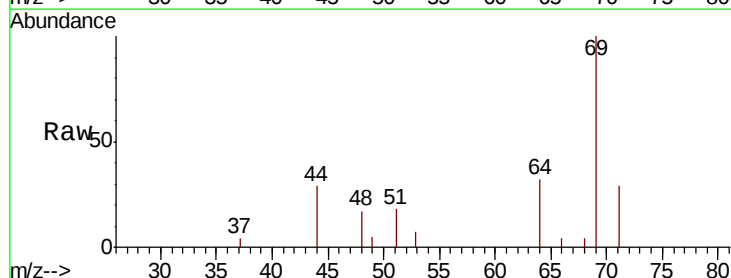
Acq: 17 Nov 2020 11:21

Tgt Ion: 64 Resp: 236

Ion Ratio Lower Upper

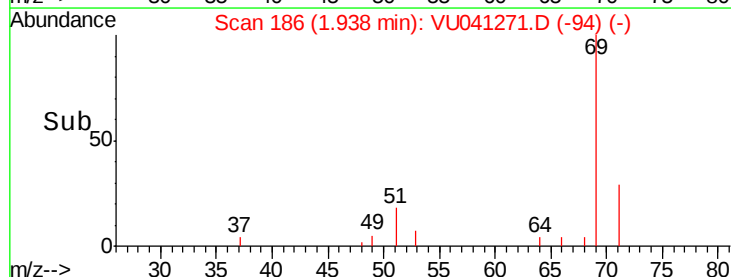
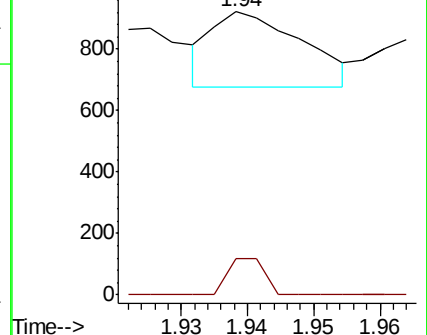
64 100

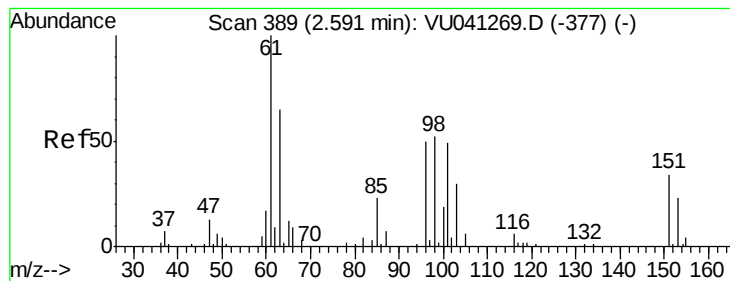
66 12.7 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.299 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041271.D

Acq: 17 Nov 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

H4425

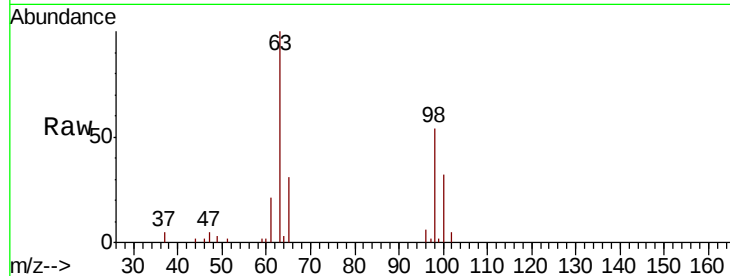
Tot Ion: 96 Resp: 1350

Ion Ratio Lower Upper

96 100

61 326.5 134.3 249.5#

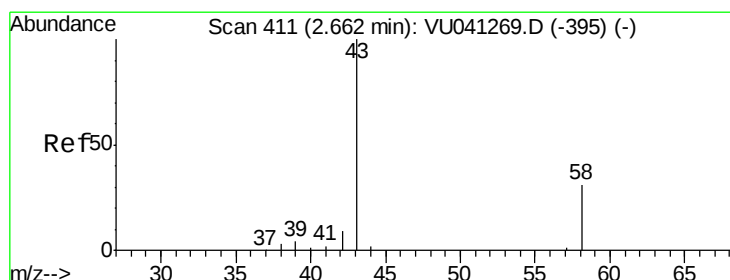
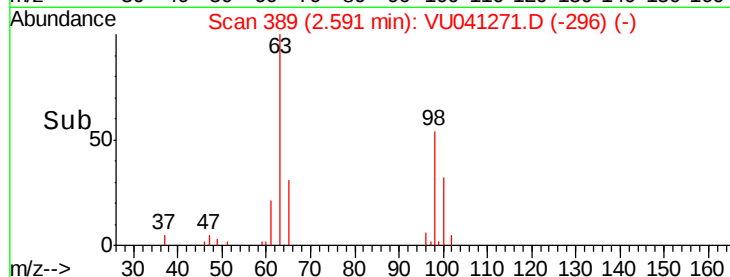
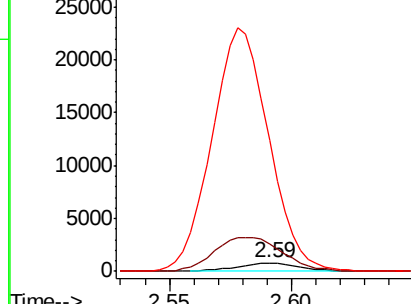
63 1544.3 95.0 176.4#



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



#13

Acetone

Concen: 2.631 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041271.D

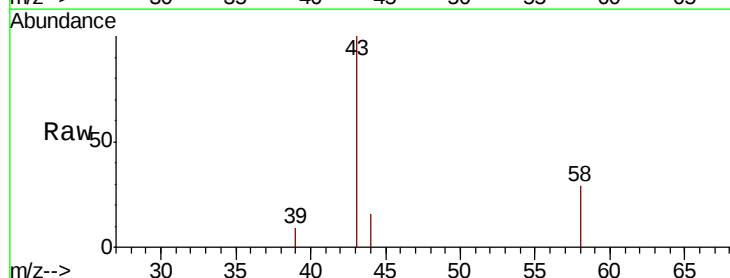
Acq: 17 Nov 2020 11:21

Tgt Ion: 43 Resp: 3675

Ion Ratio Lower Upper

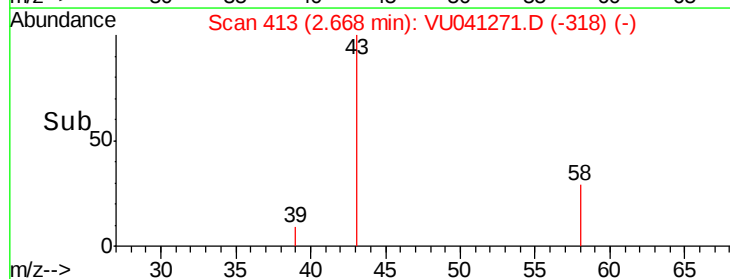
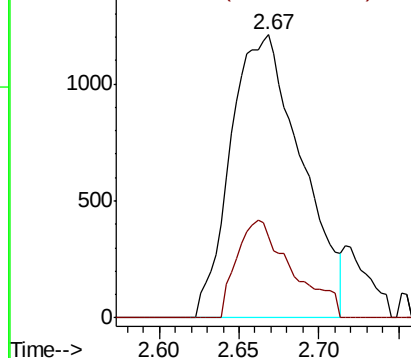
43 100

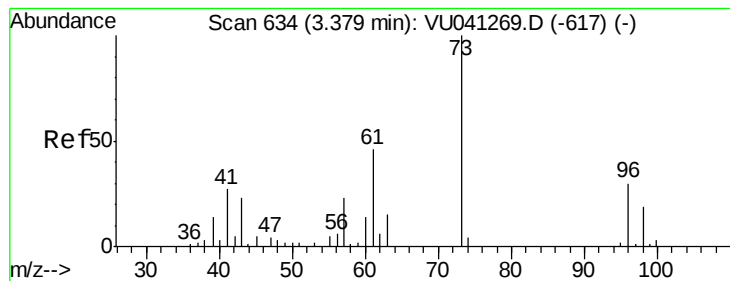
58 26.9 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



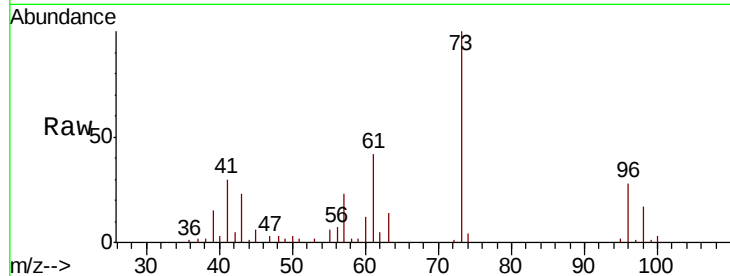


#17

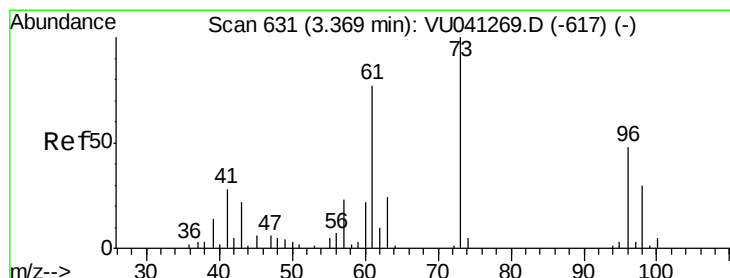
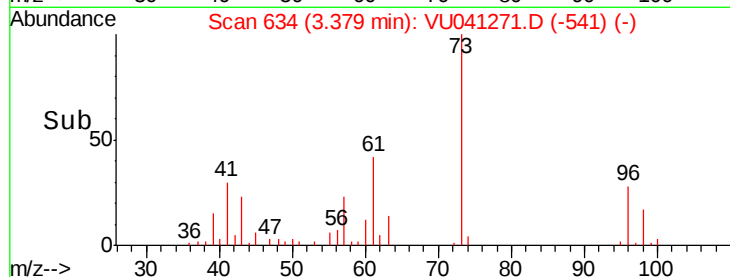
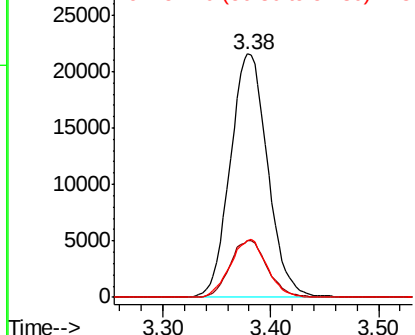
Methvl tert-butvl Ether
 Concen: 4.203 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU041271.D
 Acq: 17 Nov 2020 11:21

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 H4425

Tot Ion: 73 Resp: 52000
 Ion Ratio Lower Upper
 73 100
 43 23.4 18.5 27.7
 57 23.1 18.4 27.6



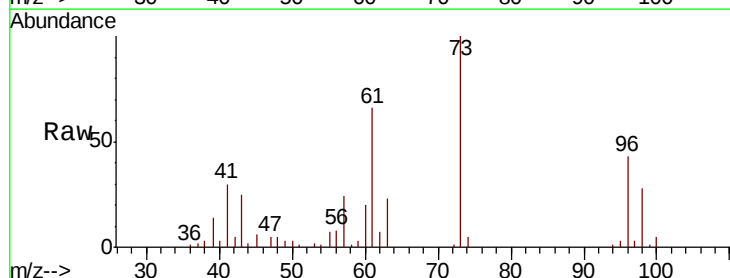
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



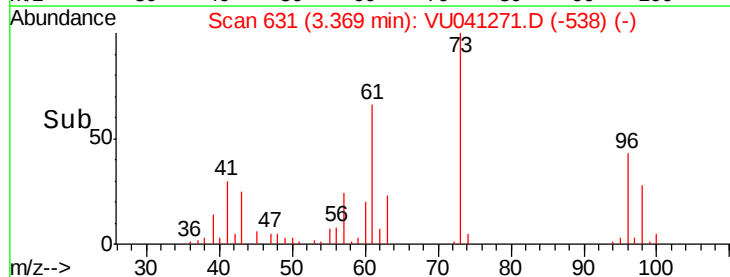
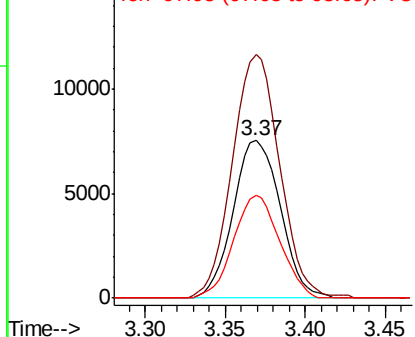
#18

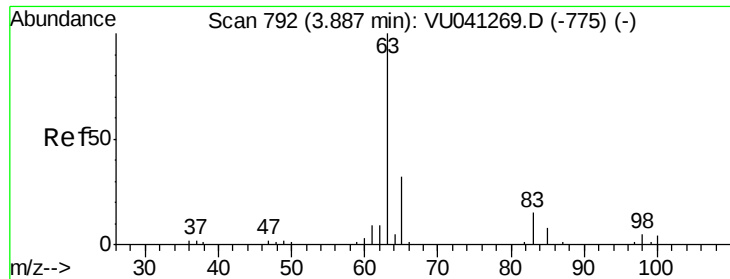
trans-1,2-Dichloroethene
 Concen: 3.455 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU041271.D
 Acq: 17 Nov 2020 11:21

Tgt Ion: 96 Resp: 15207
 Ion Ratio Lower Upper
 96 100
 61 154.8 110.9 205.9
 98 65.7 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

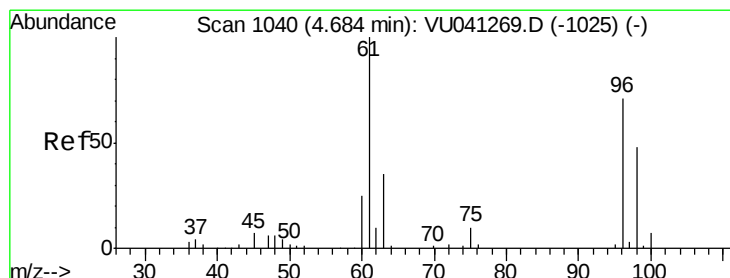
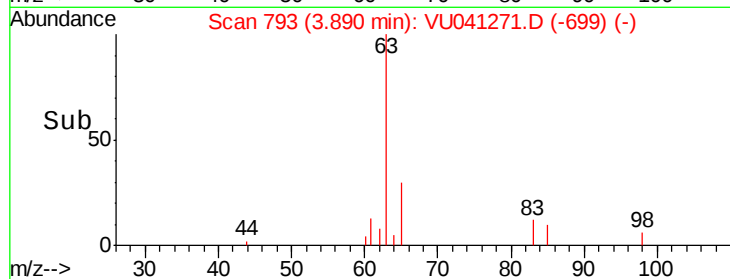
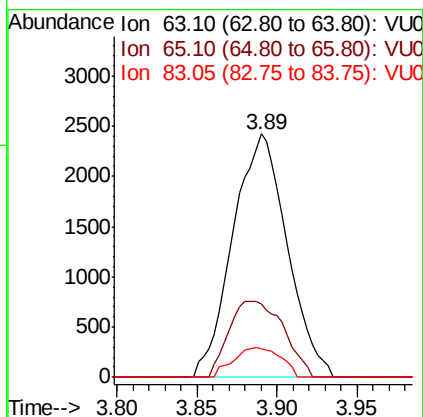
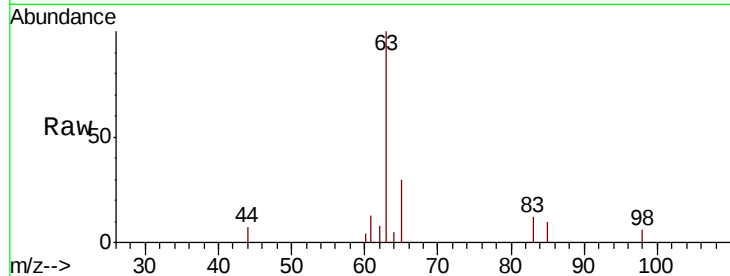




#19
 1,1-Dichloroethane
 Concen: 0.572 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041271.D
 Acq: 17 Nov 2020 11:21

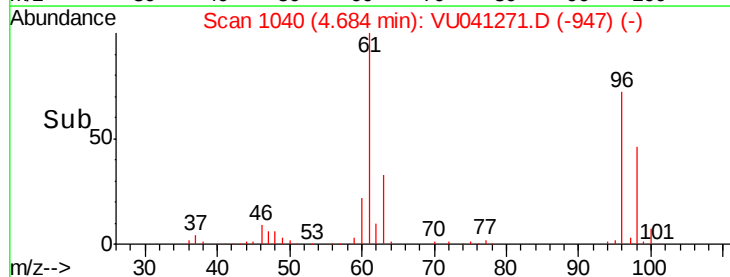
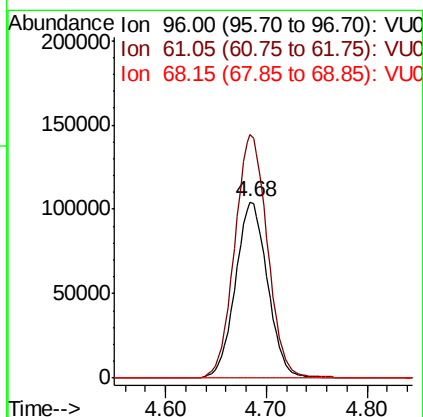
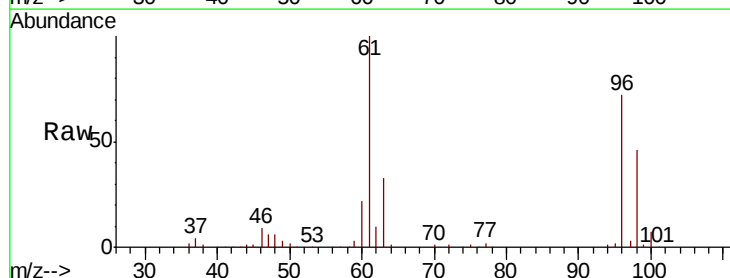
Instrument :
 MSVOA_U
 ClientSampleId :
 H4425

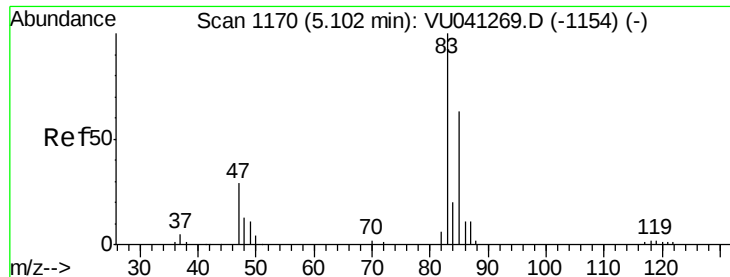
Tot Ion: 63 Resp: 5632
 Ion Ratio Lower Upper
 63 100
 65 30.1 21.3 39.6
 83 11.8 8.8 16.3



#22
 cis-1,2-Dichloroethene
 Concen: 46.413 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041271.D
 Acq: 17 Nov 2020 11:21

Tgt Ion: 96 Resp: 230713
 Ion Ratio Lower Upper
 96 100
 61 138.1 97.2 180.4
 68 0.0 0.0 0.0

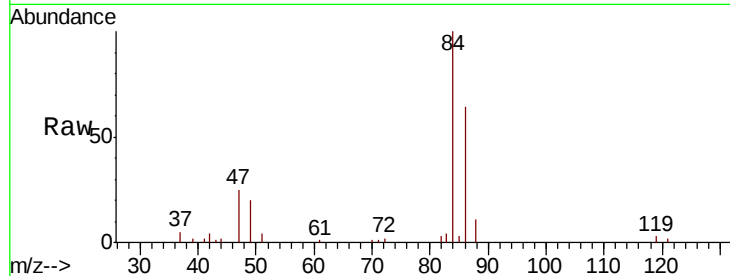




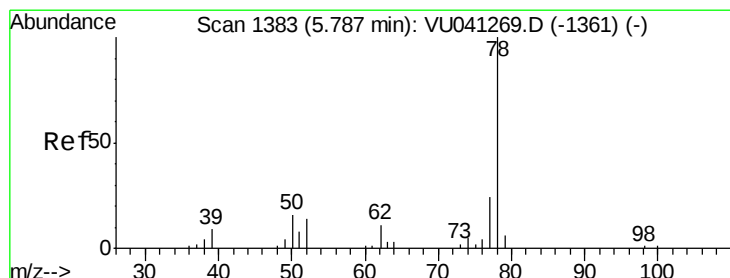
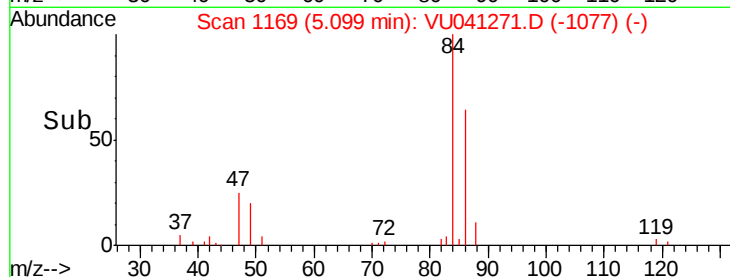
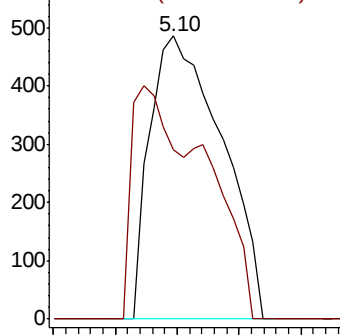
#25
Chloroform
Concen: 0.074 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VU041271.D
Acq: 17 Nov 2020 11:21

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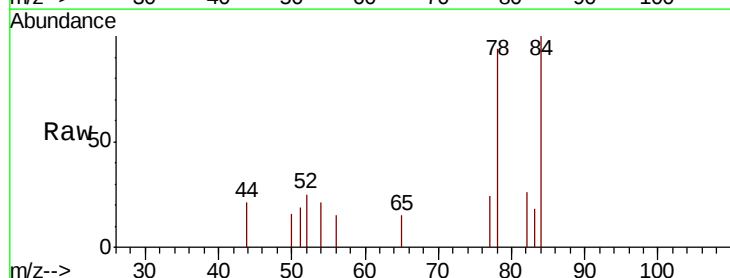
Tot Ion: 83 Resp: 788
Ion Ratio Lower Upper
83 100
85 59.9 46.1 85.7



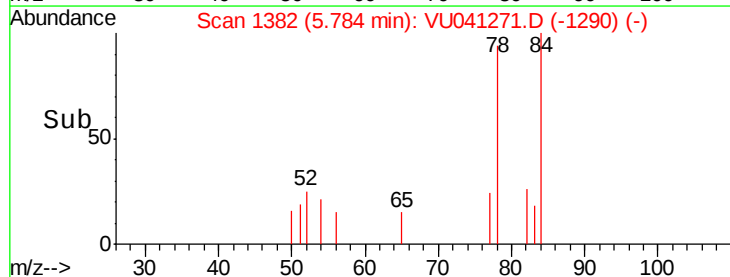
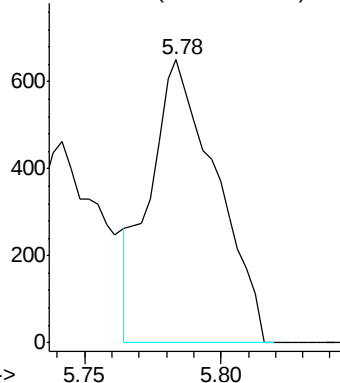
Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

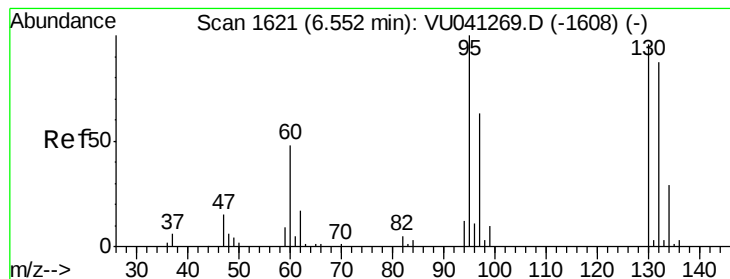


#33
Benzene
Concen: 0.057 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VU041271.D
Acq: 17 Nov 2020 11:21
Tgt Ion: 78 Resp: 1101



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 25.475 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041271.D

Acq: 17 Nov 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

H4425

Tot Ion: 95 Resp: 133311

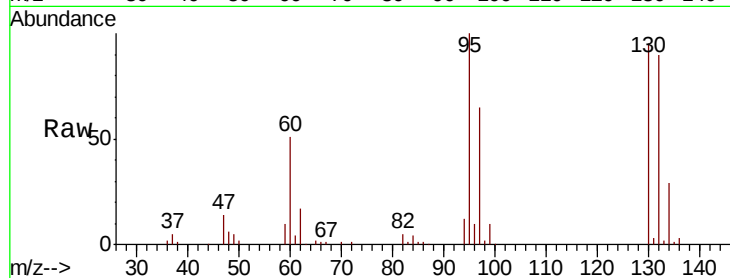
Ion Ratio Lower Upper

95 100

97 65.4 45.6 84.6

132 90.1 64.8 120.4

130 94.6 64.8 120.4

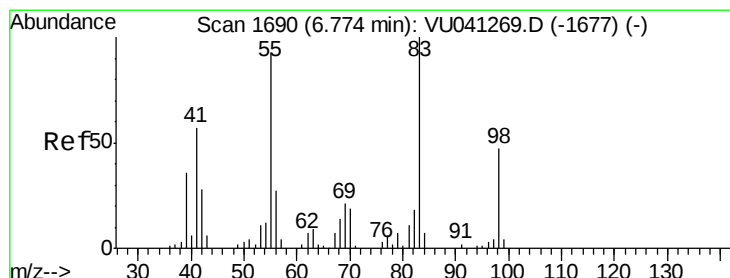
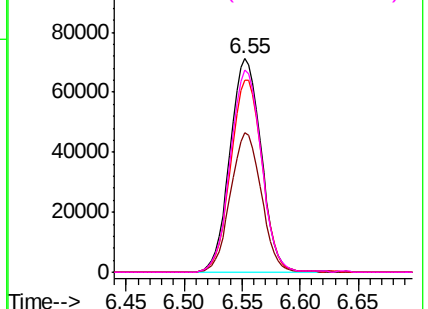
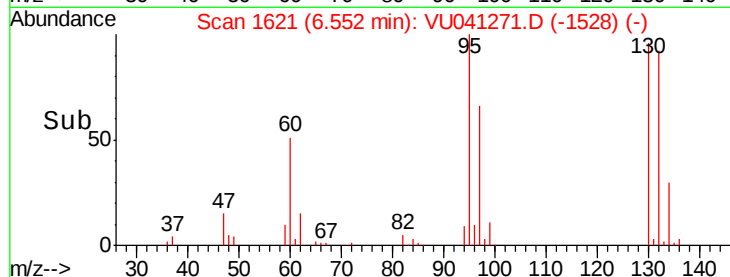


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.118 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041271.D

Acq: 17 Nov 2020 11:21

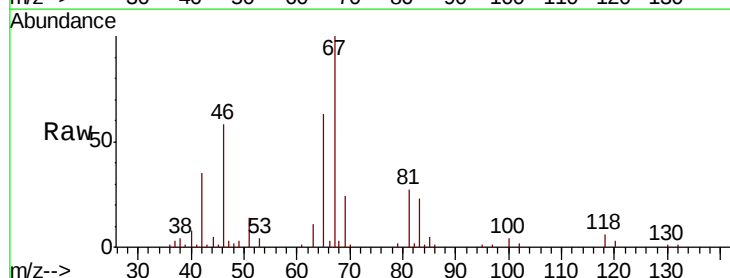
Tgt Ion: 83 Resp: 7769

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

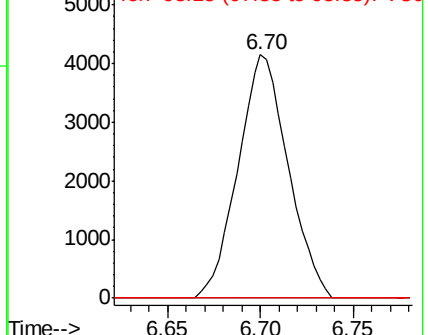
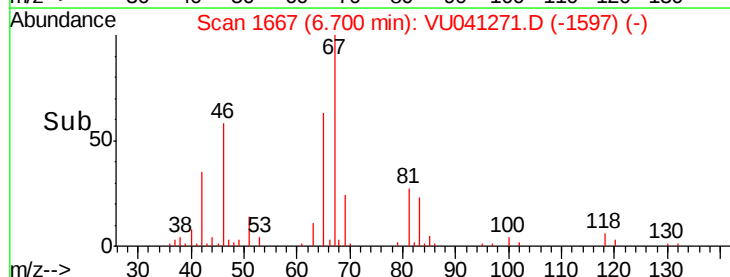
98 0.0 36.6 55.0#

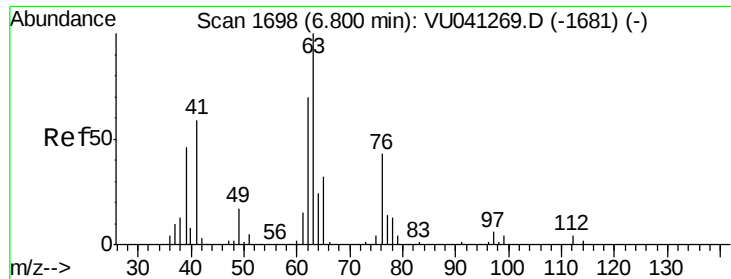


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

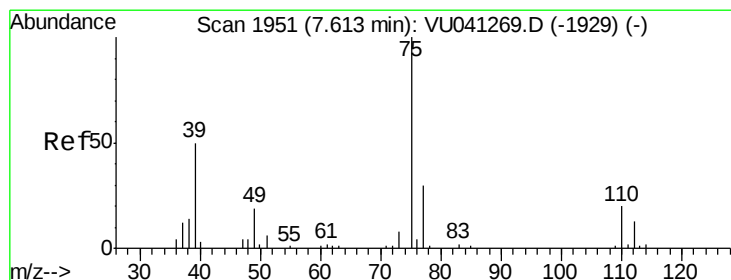
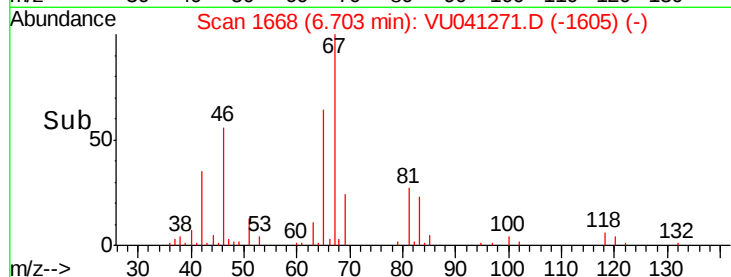
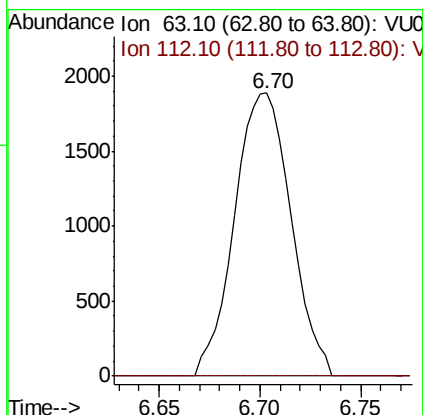
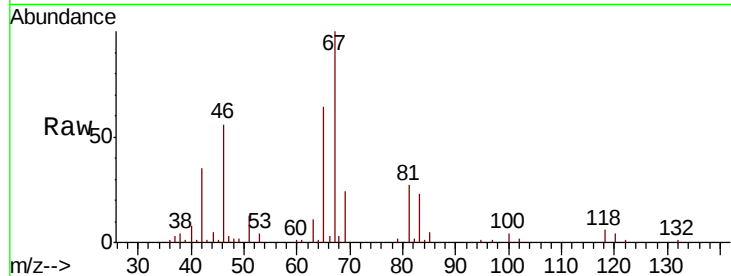




#37
 1,2-Dichloropropane
 Concen: 0.653 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041271.D
 Acq: 17 Nov 2020 11:21

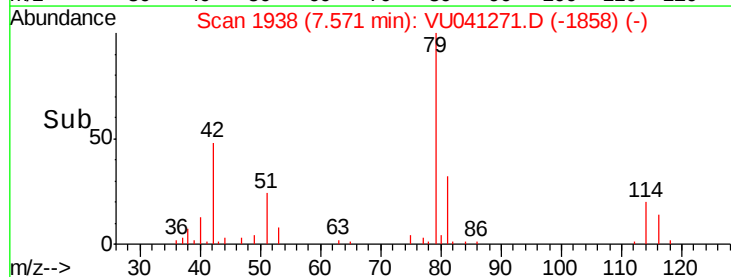
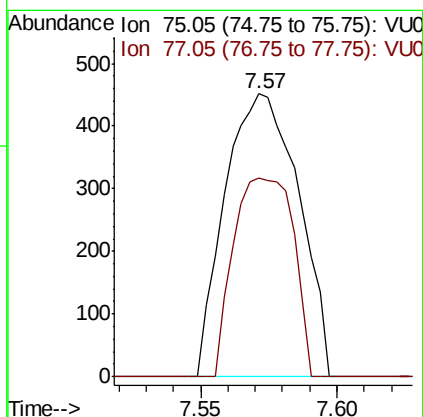
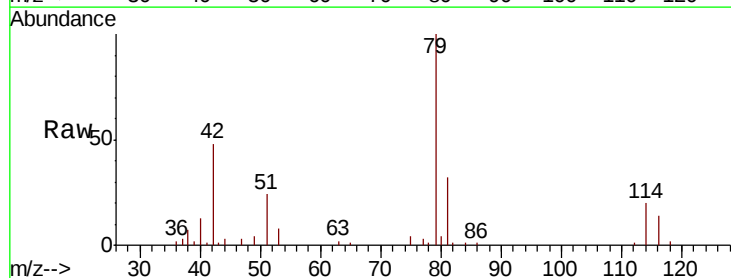
Instrument :
 MSVOA_U
 ClientSampleId :
 H4425

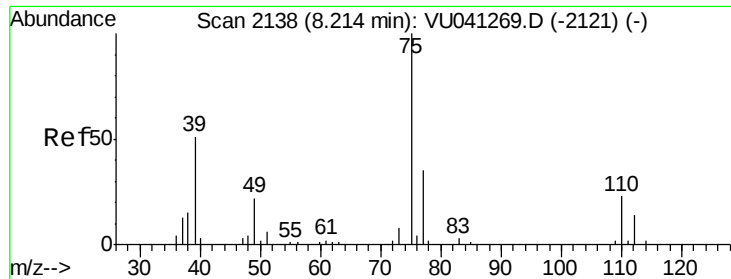
Tot Ion: 63 Resp: 3694
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041271.D
 Acq: 17 Nov 2020 11:21

Tgt Ion: 75 Resp: 845
 Ion Ratio Lower Upper
 75 100
 77 70.4 22.7 42.3#

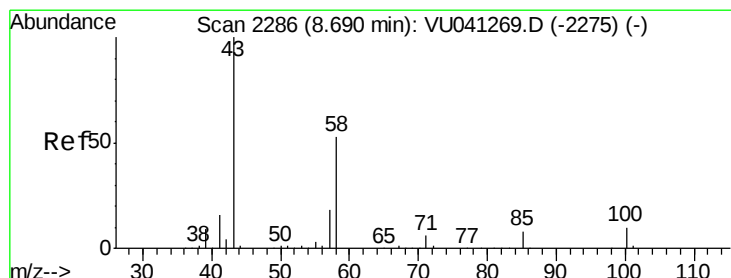
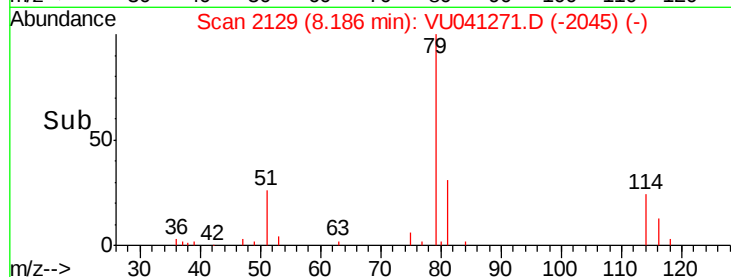
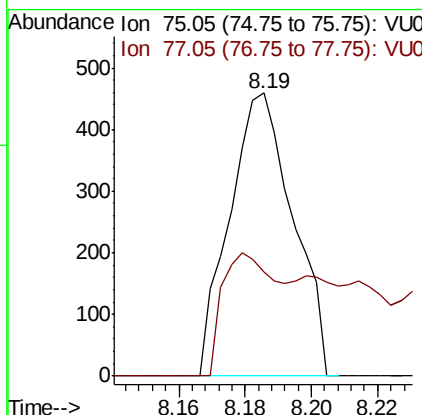
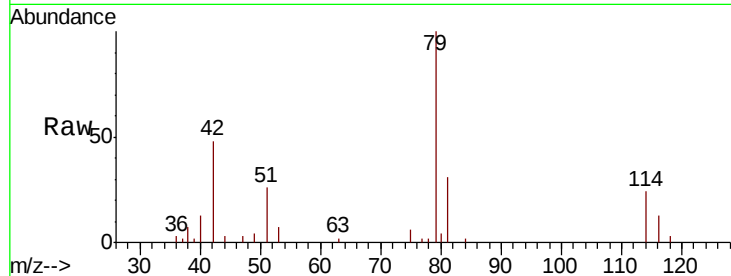




#44
trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041271.D
Acq: 17 Nov 2020 11:21

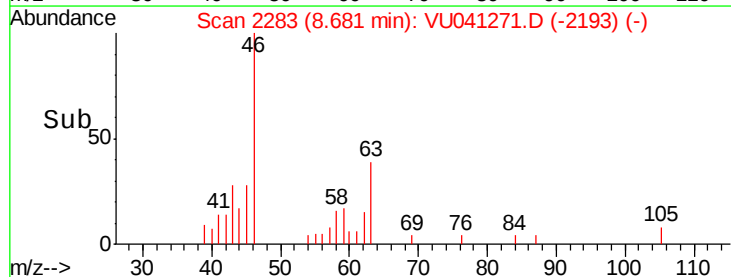
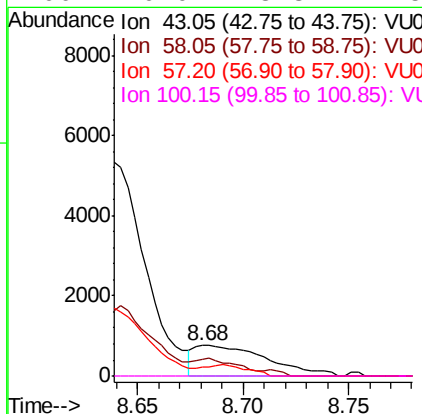
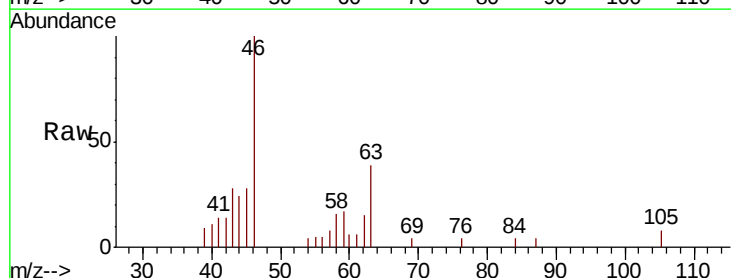
Instrument :
MSVOA_U
ClientSampled :
H4425

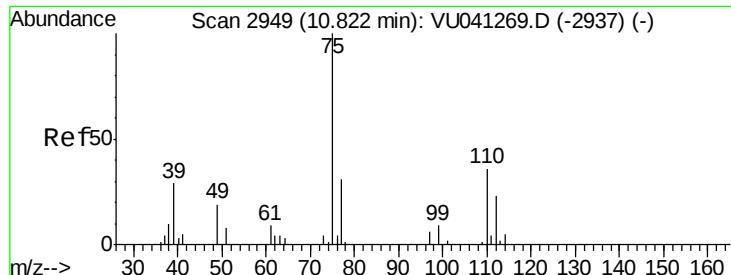
Tot Ion: 75 Resp: 611
Ion Ratio Lower Upper
75 100
77 36.6 23.3 43.3



#48
2-Hexanone
Concen: 0.519 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VU041271.D
Acq: 17 Nov 2020 11:21

Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 38.7 41.4 62.2#
57 21.2 14.6 21.8
100 0.0 8.3 12.5#





#59

1,2,3-Trichloropropane

Concen: 0.906 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041271.D

Acq: 17 Nov 2020 11:21

Instrument :

MSVOA_U

ClientSampleId :

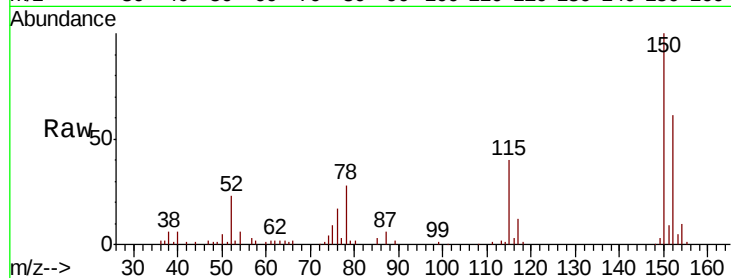
H4425

Tot Ion: 75 Resp: 4042

Ion Ratio Lower Upper

75 100

77 36.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

