

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041162.D
 Acq On : 10 Nov 2020 00:16
 Operator : SY/MD
 Sample : L4673-14MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

Quant Time: Nov 10 04:26:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57389	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58961	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15575	3.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.60%
7) Chloroethane-d5	1.92	69	14975	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.58	63	38605	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.66	46	90210	56.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.64%
24) Chloroform-d	5.08	84	42570	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	26605	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	70664	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.70	67	25753	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	58837	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.19	79	10096	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.64	63	69291	57.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24317	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	25958	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2705	0.502	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	219	0.051	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	20678	5.101	ug/L	87
13) Acetone	2.67	43	1866	1.719	ug/L	93
15) Methyl Acetate	3.06	43	232	0.093	ug/L #	53
18) trans-1,2-Dichloroethene	3.37	96	1086	0.264	ug/L	88
21) 2-Butanone	4.83	43	6225	3.669	ug/L #	57
22) cis-1,2-Dichloroethene	4.69	96	28489	6.704	ug/L	97
25) Chloroform	5.11	83	548	0.066	ug/L	91
27) 1,2-Dichloroethane	5.78	62	1017	0.165	ug/L #	74
33) Benzene	5.79	78	93637	5.315	ug/L	100
34) Trichloroethene	6.55	95	33296	7.426	ug/L	96
35) Methylcyclohexane	6.70	83	6243	0.934	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3263	0.684	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	676	0.103	ug/L #	68
42) Toluene	7.98	91	91052	5.097	ug/L	99
44) trans-1,3-Dichloropropene	8.18	75	480	0.078	ug/L	85

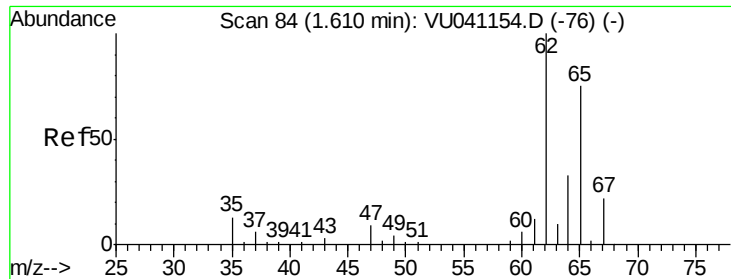
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
Data File : VU041162.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 04:18:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.49	97	414	0.117	ug/L #	1
48) 2-Hexanone	8.64	43	9599	3.354	ug/L #	68
51) Chlorobenzene	9.45	112	60781	5.366	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	3507	0.987	ug/L #	80

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



#5

Vinyl chloride

Concen: 0.502 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

Instrument :

MSVOA_U

ClientSampled :

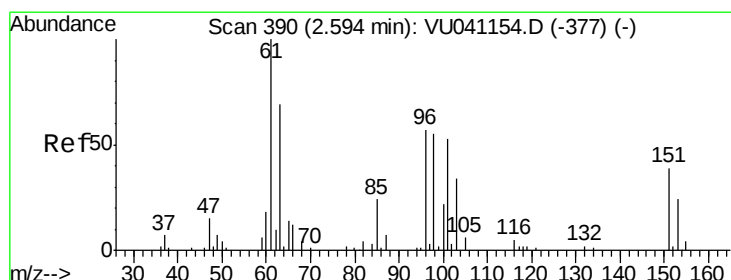
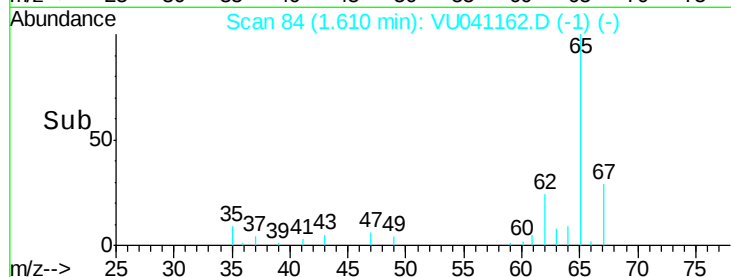
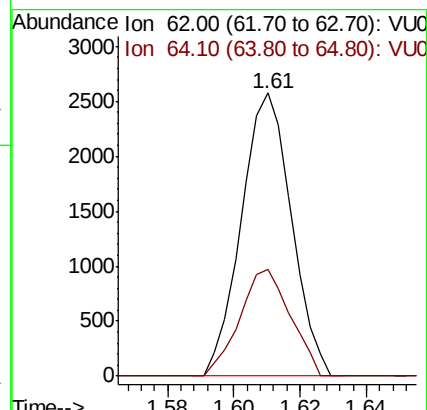
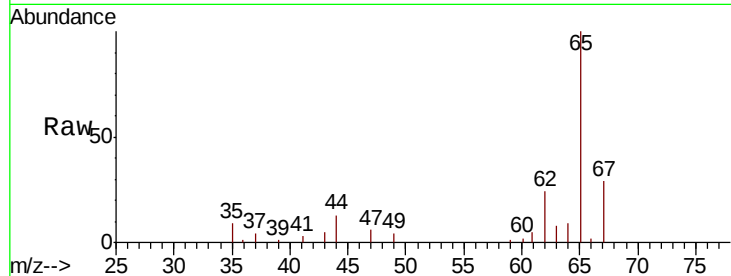
GB0T3

Tot Ion: 62 Resp: 2705

Ion Ratio Lower Upper

62 100

64 37.6 22.7 42.3



#10

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

Concen: 0.051 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

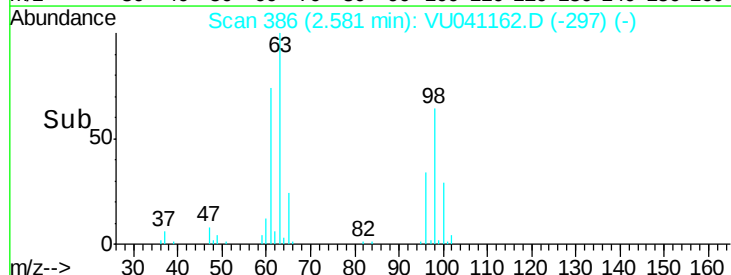
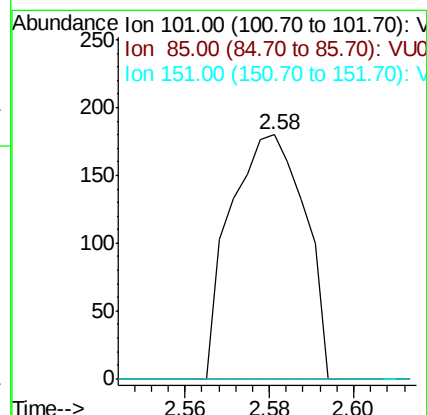
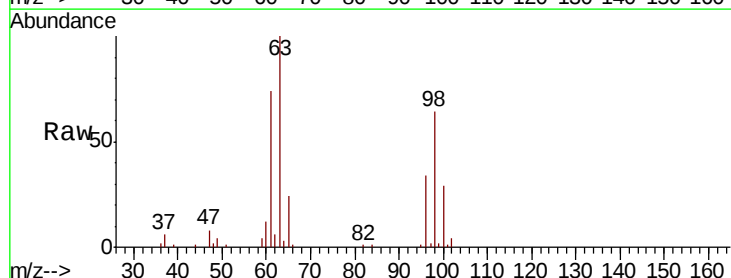
Tgt Ion: 101 Resp: 219

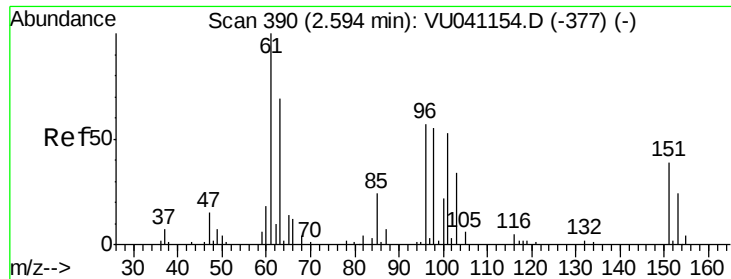
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#

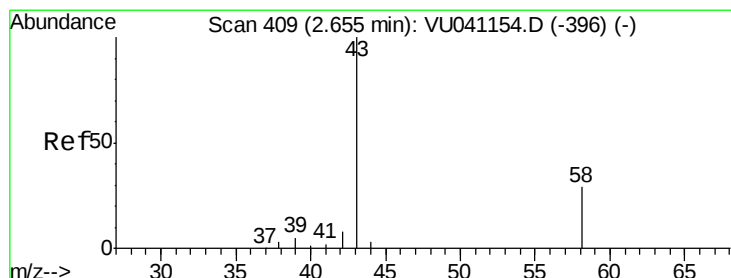
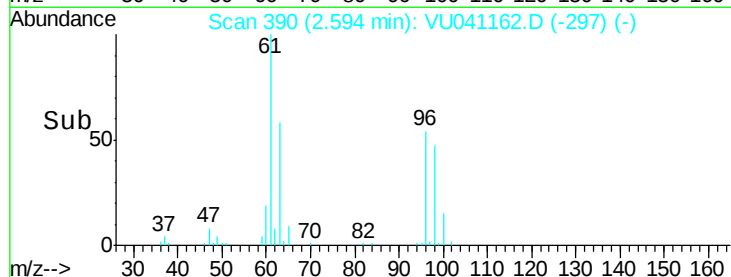
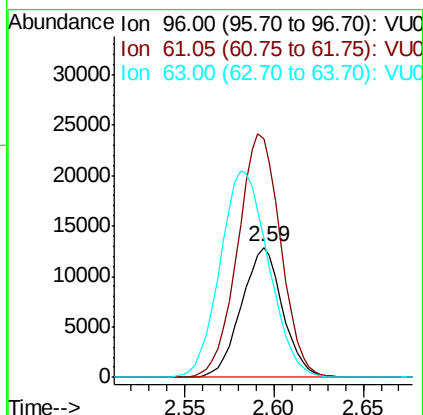
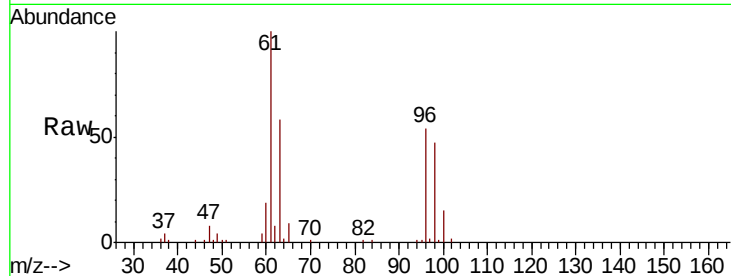




#12
 1,1-Dichloroethene
 Concen: 5.101 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU041162.D
 Acq: 10 Nov 2020 00:16

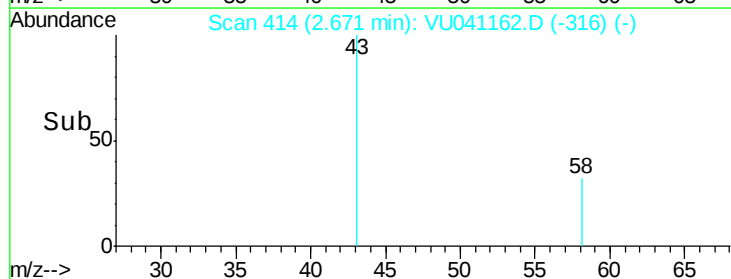
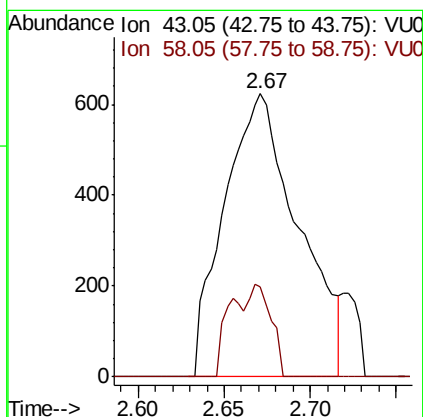
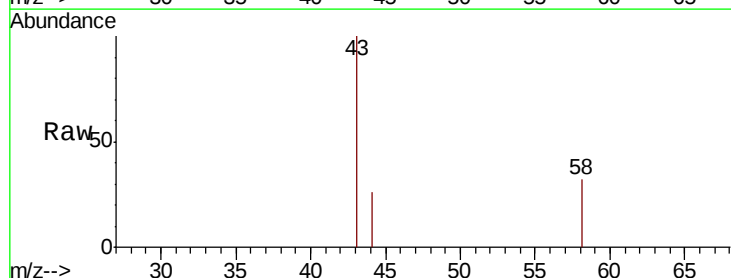
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 ClientSampled :
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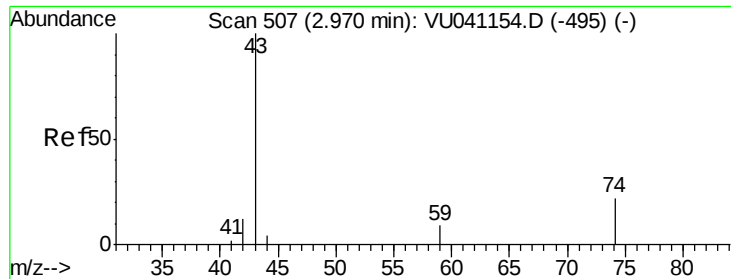
Tot Ion: 96 Resp: 20678
 Ion Ratio Lower Upper
 96 100
 61 183.8 134.3 249.5
 63 106.4 95.0 176.4



#13
 Acetone
 Concen: 1.719 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. 0.02 min
 Lab File: VU041162.D
 Acq: 10 Nov 2020 00:16

Tgt Ion: 43 Resp: 1866
 Ion Ratio Lower Upper
 43 100
 58 9.9 0.0 25.4

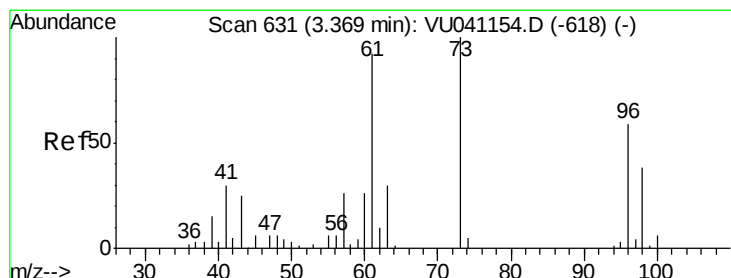
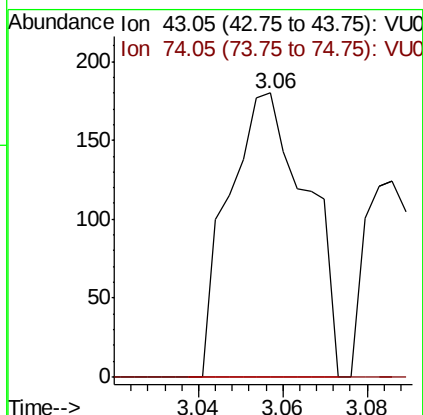
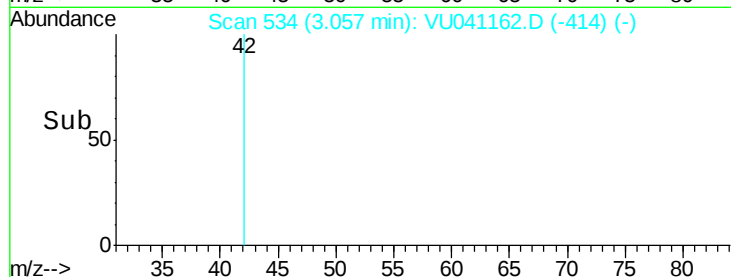
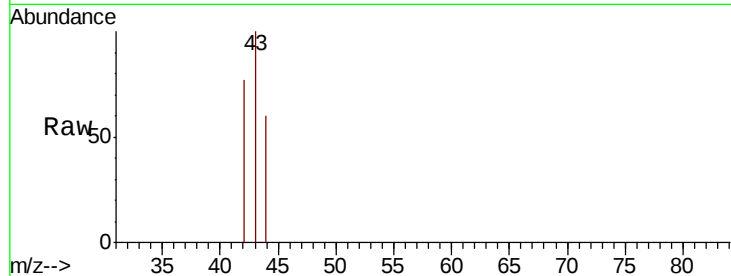




#15
Methvl Acetate
Concen: 0.093 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.09 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

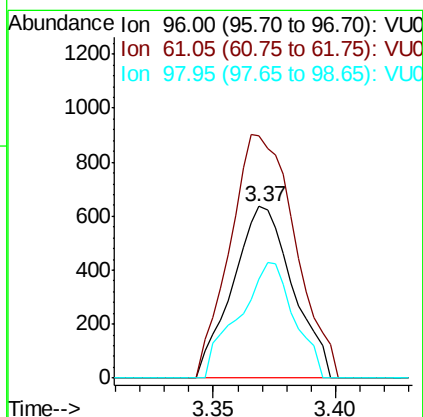
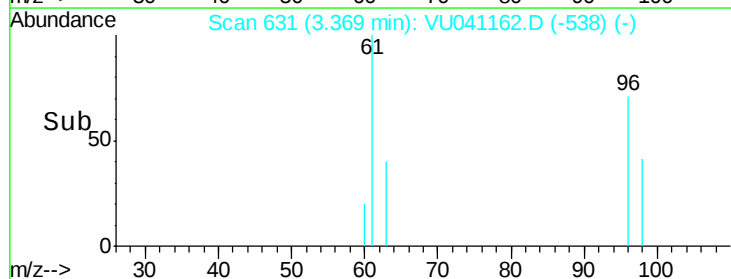
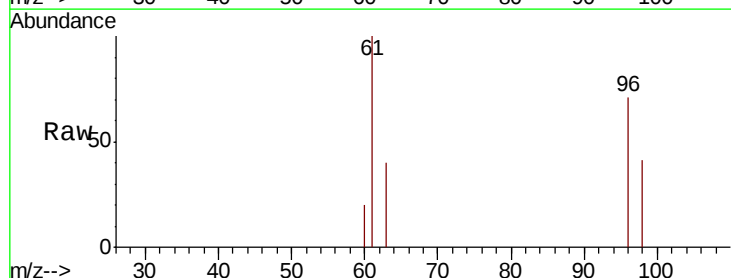
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MSVOA_U
ClientSampleId :
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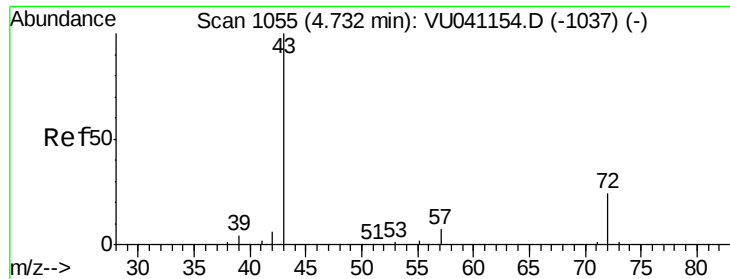
Tot Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#18
trans-1,2-Dichloroethene
Concen: 0.264 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

Tgt Ion: 96 Resp: 1086
Ion Ratio Lower Upper
96 100
61 141.6 110.9 205.9
98 58.0 45.4 84.2





#21

2-Butanone

Concen: 3.669 ug/L

RT: 4.83 min Scan# 1085

Delta R.T. 0.10 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

Instrument :

MSVOA_U

ClientSampled :

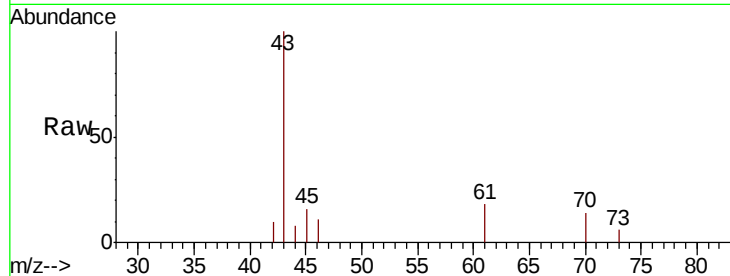
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Tot Ion: 43 Resp: 6225

Ion Ratio Lower Upper

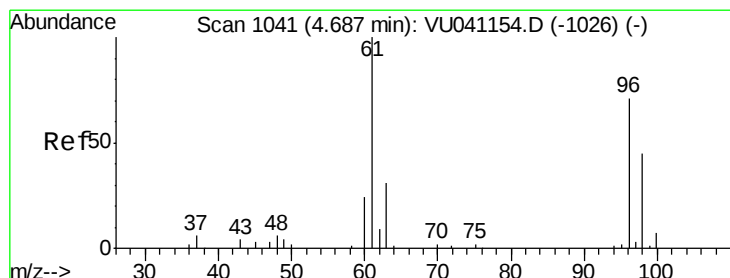
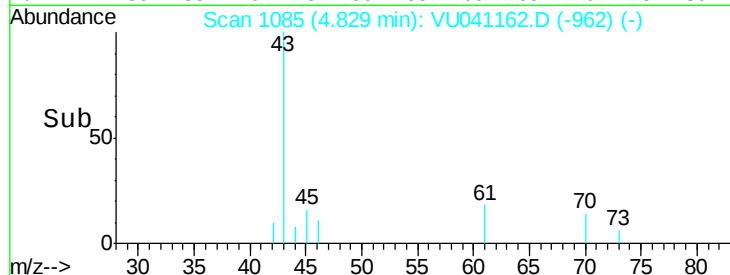
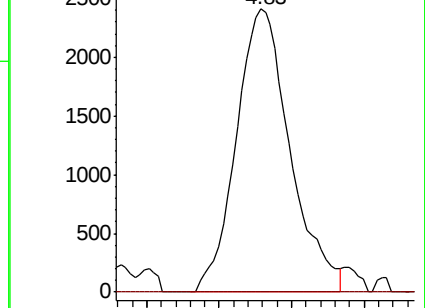
43 100

72 2.6 11.8 35.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041162.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU041162.D (-962) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.704 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

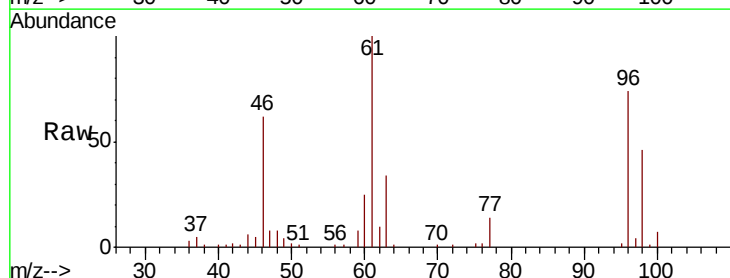
Tgt Ion: 96 Resp: 28489

Ion Ratio Lower Upper

96 100

61 135.6 97.2 180.4

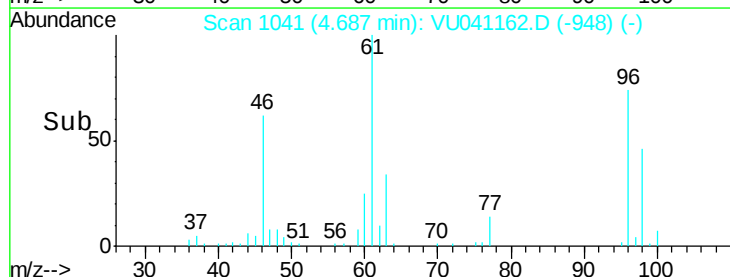
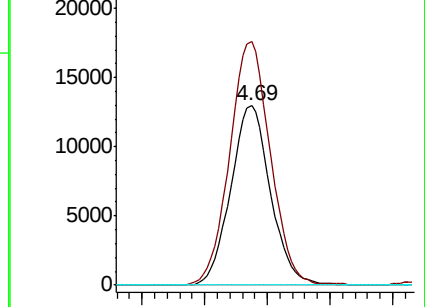
68 0.0 0.0 0.0

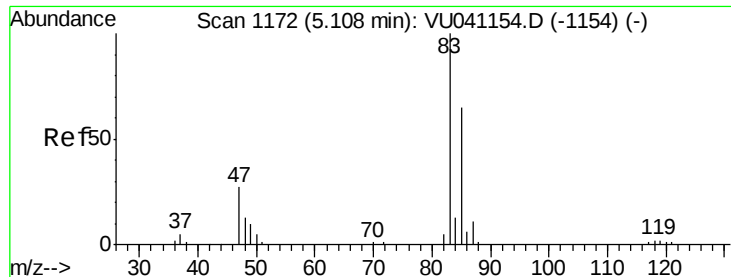


Abundance Ion 96.00 (95.70 to 96.70): VU041162.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041162.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041162.D (-948) (-)

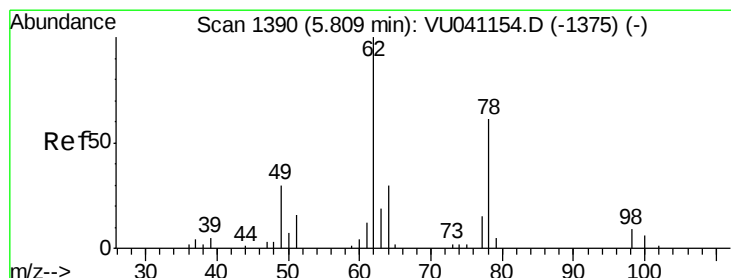
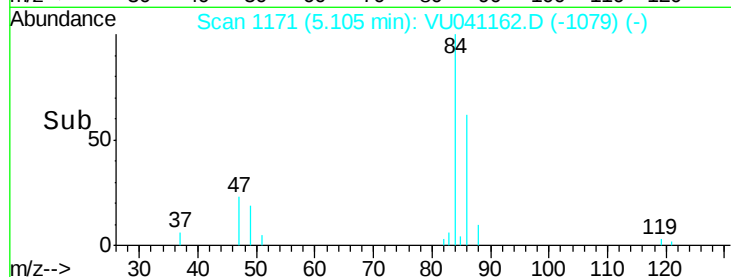
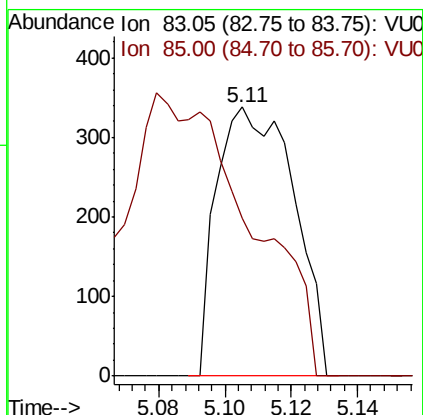
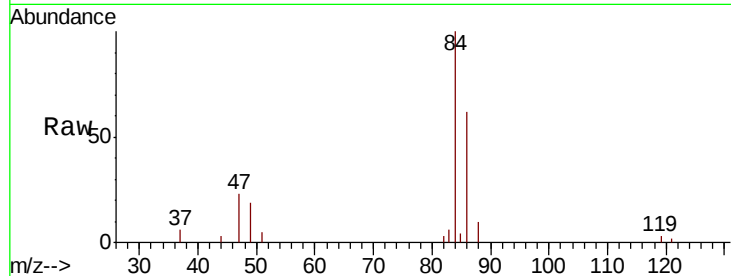




#25
Chloroform
Concen: 0.066 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

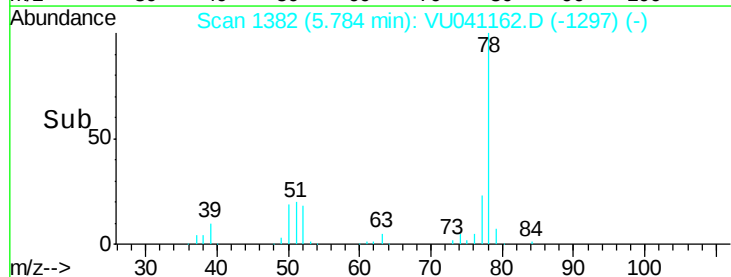
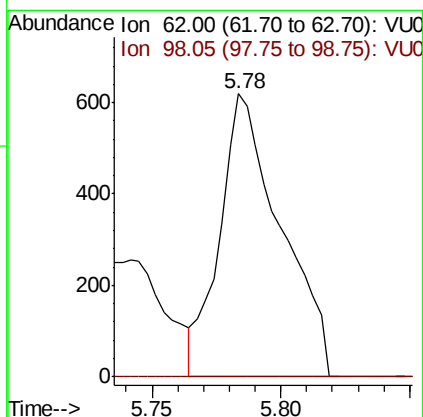
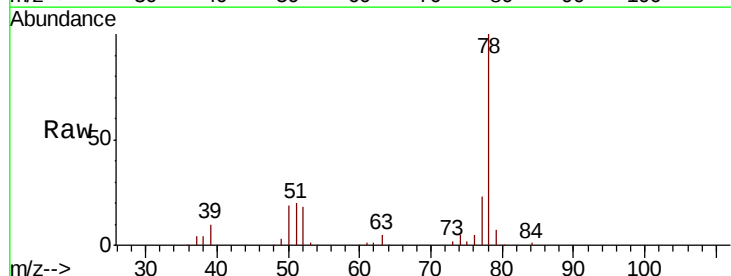
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MSVOA_U
ClientSampleId :
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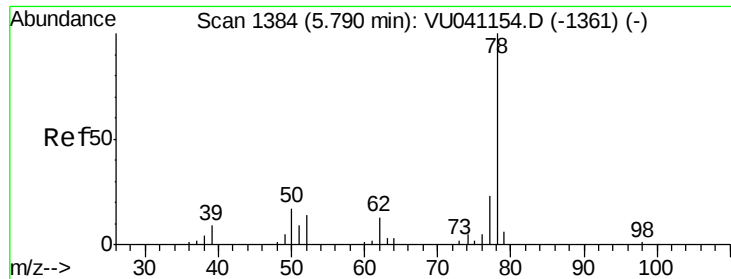
Tot Ion: 83 Resp: 548
Ion Ratio Lower Upper
83 100
85 58.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.165 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.03 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

Tgt Ion: 62 Resp: 1017
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

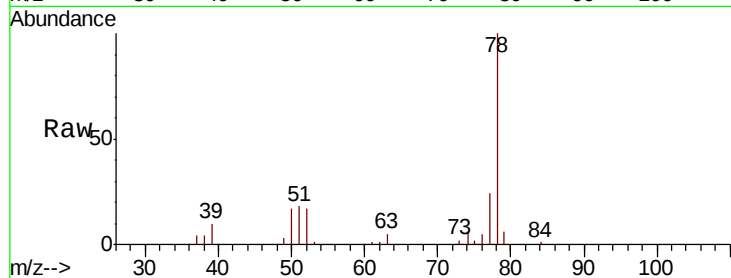




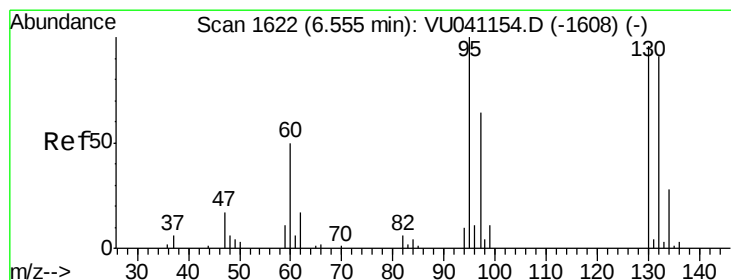
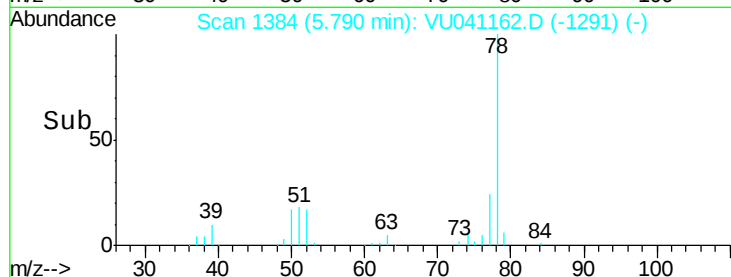
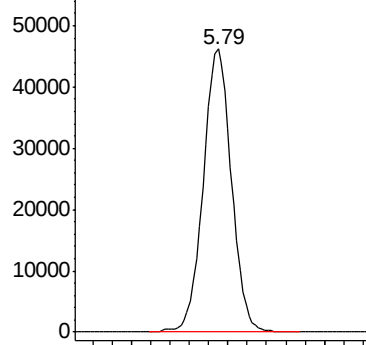
#33
Benzene
Concen: 5.315 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

Instrument :
MSVOA_U
ClientSampleId :
GB0T3

Tgt Ion: 78 Resp: 93637

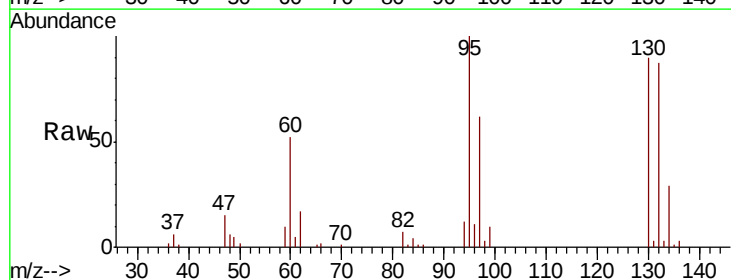


Abundance Ion 78.10 (77.80 to 78.80): VU0



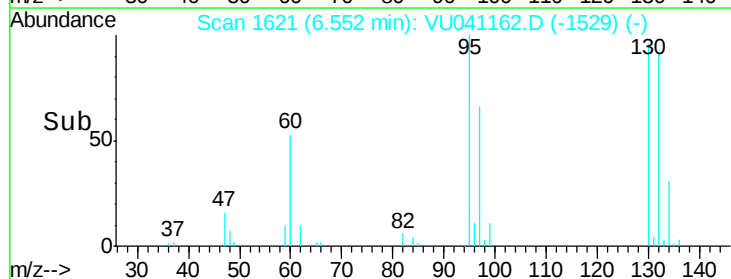
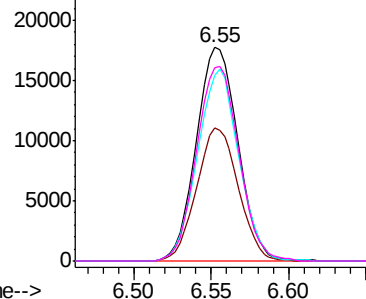
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Trichloroethene
Concen: 7.426 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

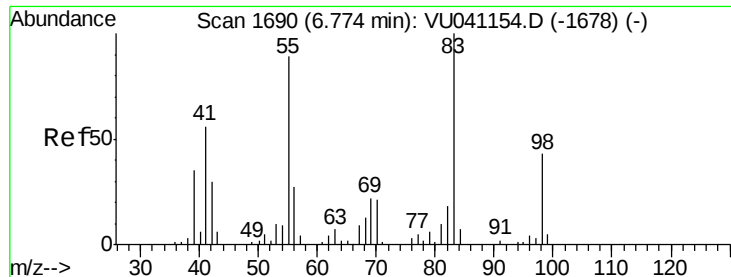
Tgt Ion: 95 Resp: 33296
Ion Ratio Lower Upper
95 100
97 62.3 45.6 84.6
132 86.6 64.8 120.4
130 90.5 64.8 120.4



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

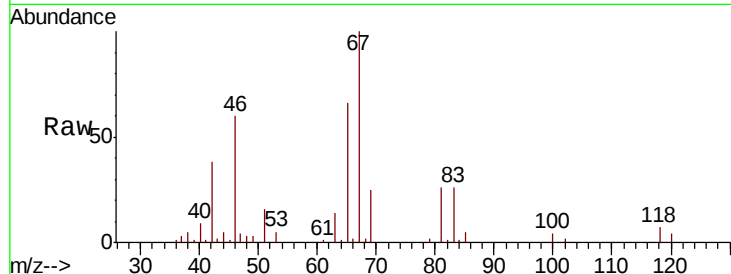




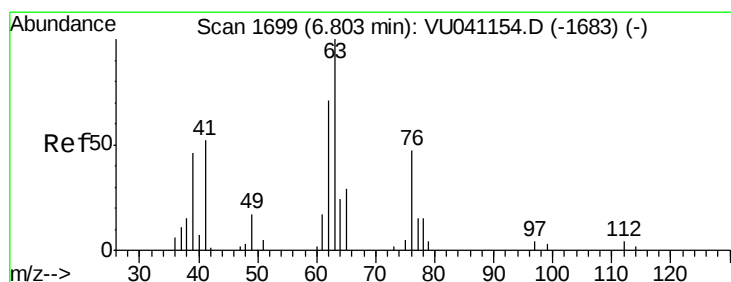
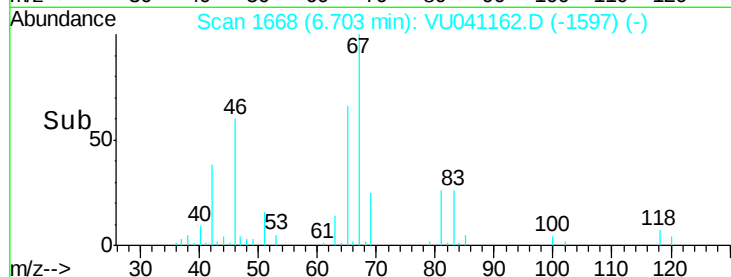
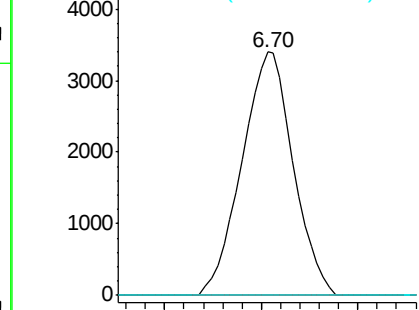
#35
Methylcyclohexane
Concen: 0.934 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

Instrument :
MSVOA_U
ClientSampleId :
GB0T3

Tot Ion: 83 Resp: 6243
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

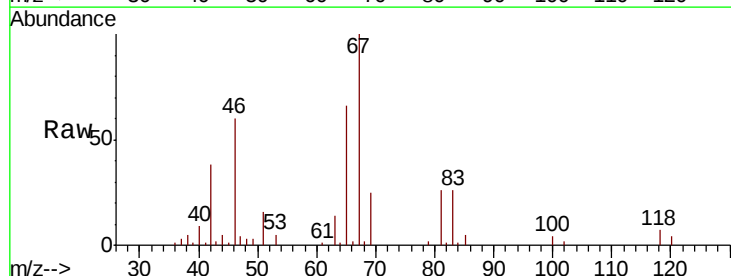


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

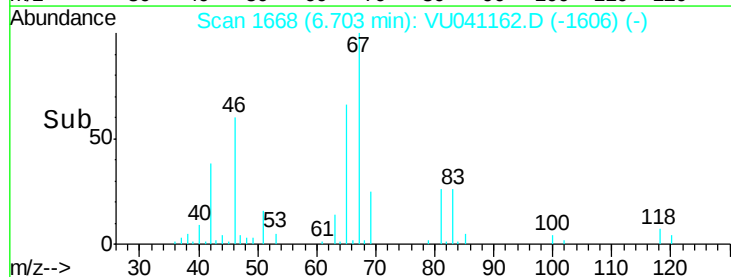
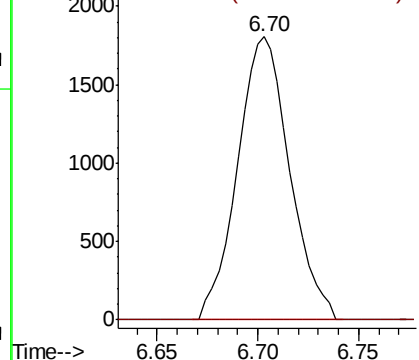


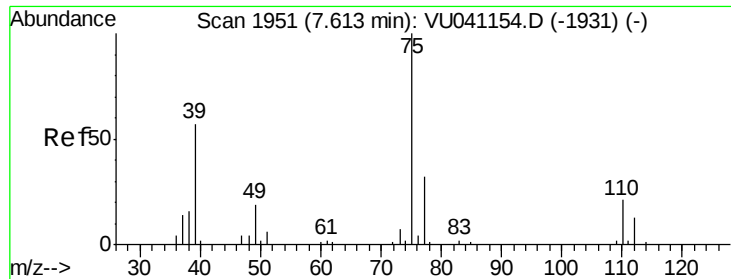
#37
1,2-Dichloropropane
Concen: 0.684 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041162.D
Acq: 10 Nov 2020 00:16

Tgt Ion: 63 Resp: 3263
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

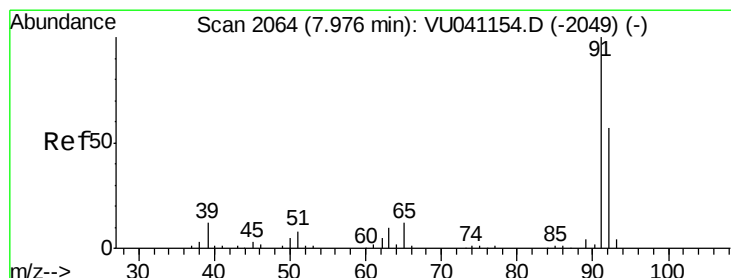
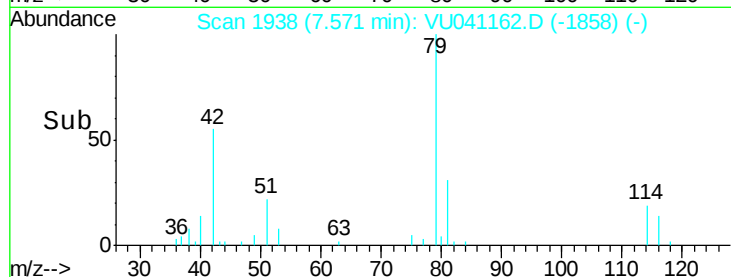
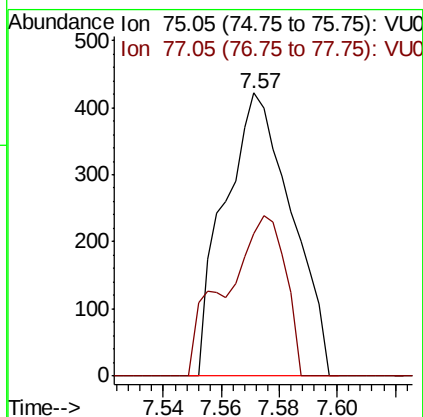
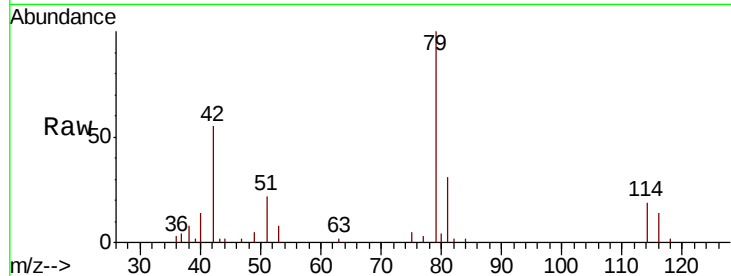




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041162.D
 Acq: 10 Nov 2020 00:16

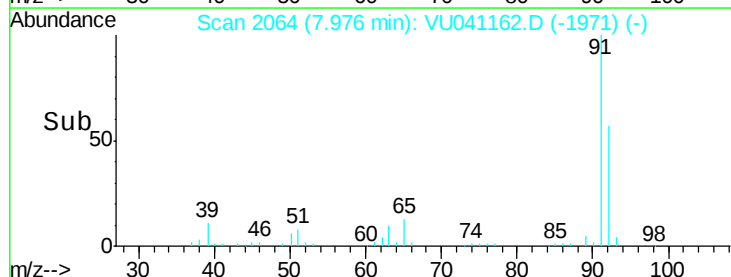
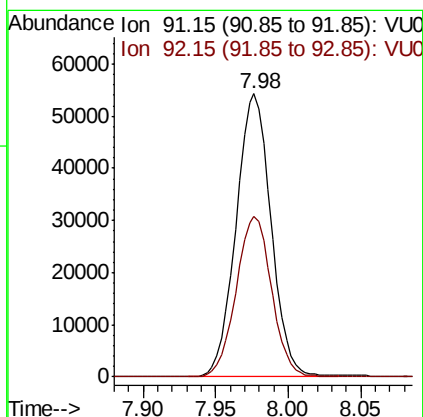
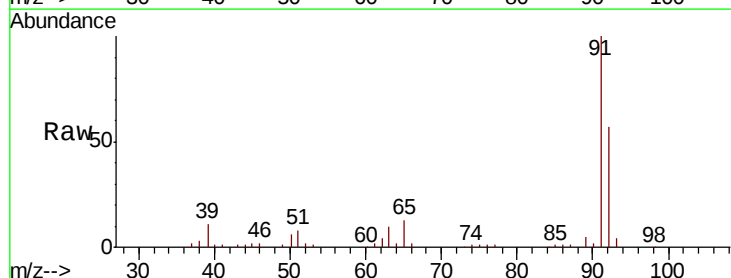
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

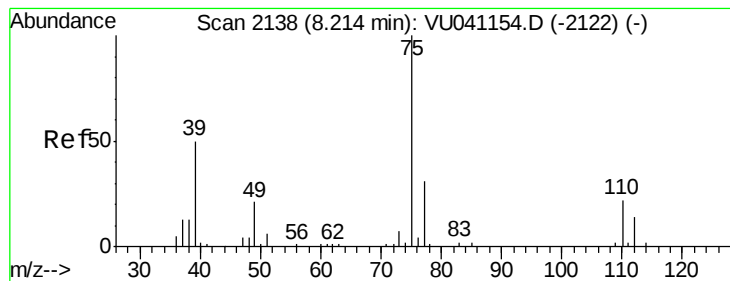
Tot Ion: 75 Resp: 676
 Ion Ratio Lower Upper
 75 100
 77 50.5 22.7 42.3#



#42
 Toluene
 Concen: 5.097 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041162.D
 Acq: 10 Nov 2020 00:16

Tgt Ion: 91 Resp: 91052
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

Instrument :

MSVOA_U

ClientSampleId :

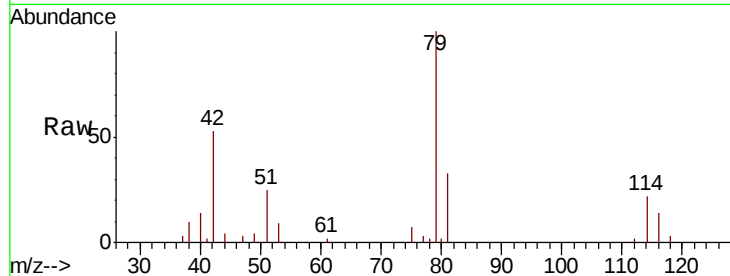
GB0T3

Tot Ion: 75 Resp: 480

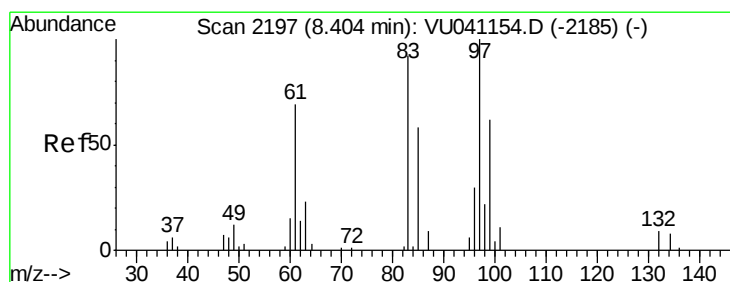
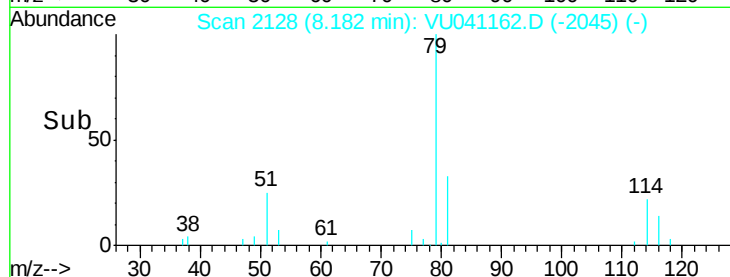
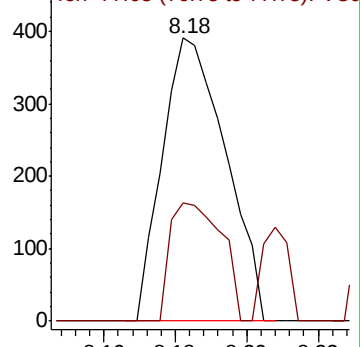
Ion Ratio Lower Upper

75 100

77 41.7 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041154.D (-2122) (-)



#45

1,1,2-Trichloroethane

Concen: 0.117 ug/L

RT: 8.49 min Scan# 2225

Delta R.T. 0.09 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

Tgt Ion: 97 Resp: 414

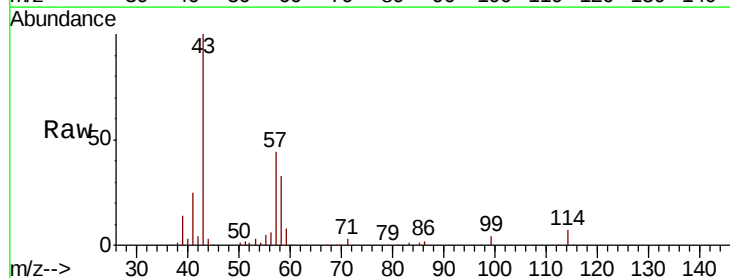
Ion Ratio Lower Upper

97 100

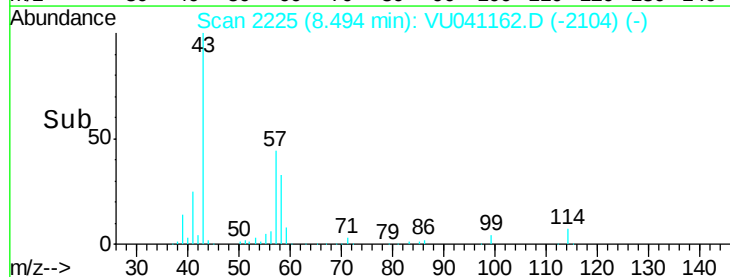
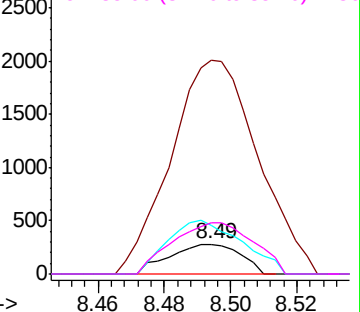
99 708.8 45.8 85.2#

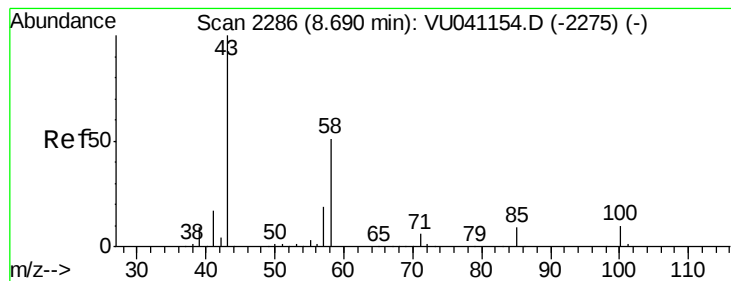
83 162.9 67.9 126.1#

85 170.0 42.8 79.6#



Abundance Ion 96.95 (96.65 to 97.65): VU041154.D (-2185) (-)





#48

2-Hexanone

Concen: 3.354 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

Instrument :

MSVOA_U

ClientSampleId :

GB0T3

Tot Ion: 43 Resp: 9599

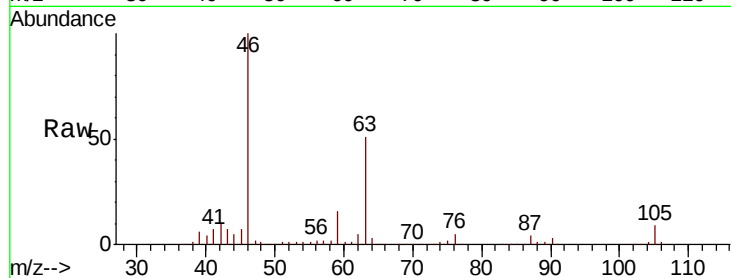
Ion Ratio Lower Upper

43 100

58 27.1 41.4 62.2#

57 30.0 14.6 21.8#

100 0.0 8.3 12.5#

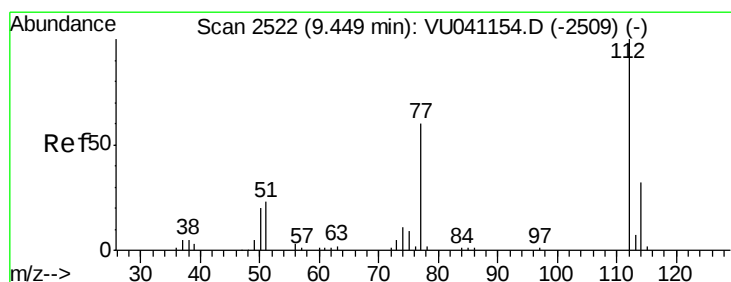
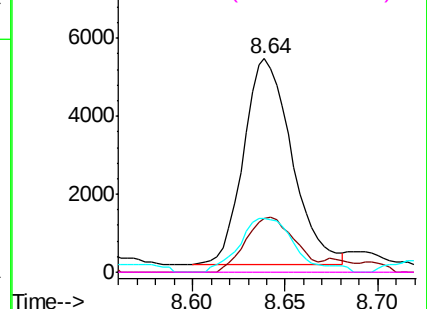
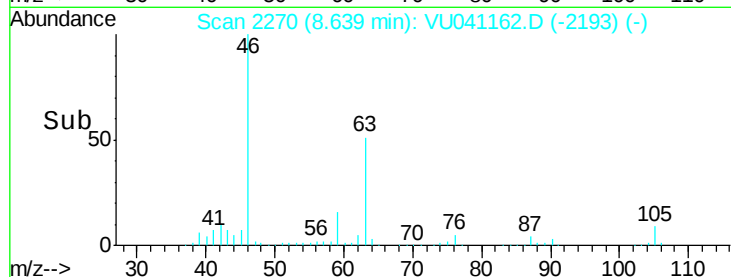


Abundance Ion 43.05 (42.75 to 43.75): VU041162.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041162.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041162.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041162.D (-2193) (-)



#51

Chlorobenzene

Concen: 5.366 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

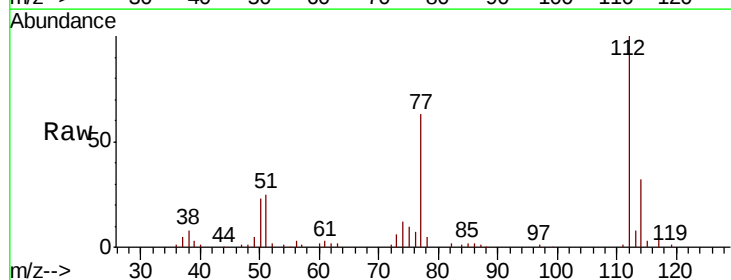
Tgt Ion: 112 Resp: 60781

Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

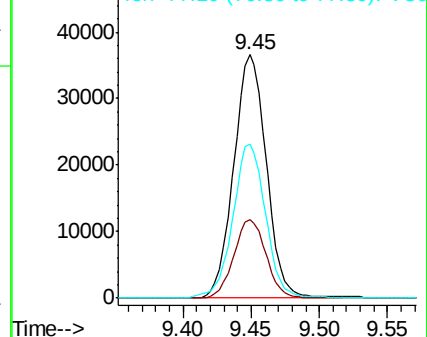
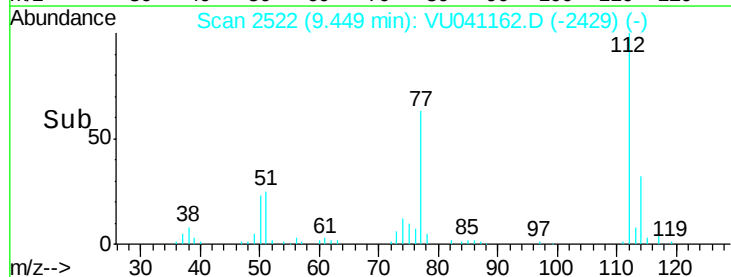
77 63.1 51.2 76.8

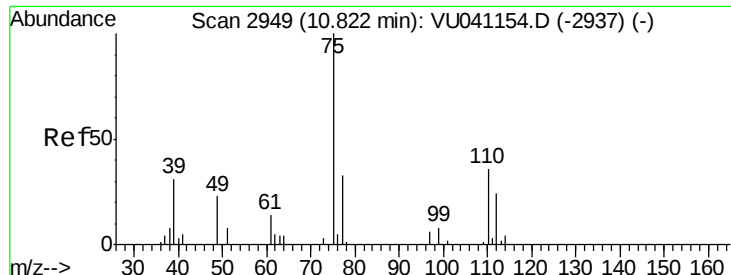


Abundance Ion 112.10 (111.80 to 112.80): VU041162.D (-2429) (-)

Ion 114.05 (113.75 to 114.75): VU041162.D (-2429) (-)

Ion 77.10 (76.80 to 77.80): VU041162.D (-2429) (-)





#59

1,2,3-Trichloropropane

Concen: 0.987 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041162.D

Acq: 10 Nov 2020 00:16

Instrument :

MSVOA_U

ClientSampleId :

GB0T3

Tot Ion: 75 Resp: 3507

Ion Ratio Lower Upper

75 100

77 43.2 25.7 38.5#

