

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041524.D
 Acq On : 09 Dec 2020 19:15
 Operator : SY/MD
 Sample : L4995-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:48:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 10 04:45:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	45778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	41312	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	7744	3.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.00%
7) Chloroethane-d5	1.92	69	8636	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.58	63	16418	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	4.65	46	34899	39.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.16%
24) Chloroform-d	5.08	84	27266	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.72	65	19912	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.74	84	38619	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.70	67	13099	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	41018	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.19	79	7666	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	28039	42.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	11914	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	18350	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

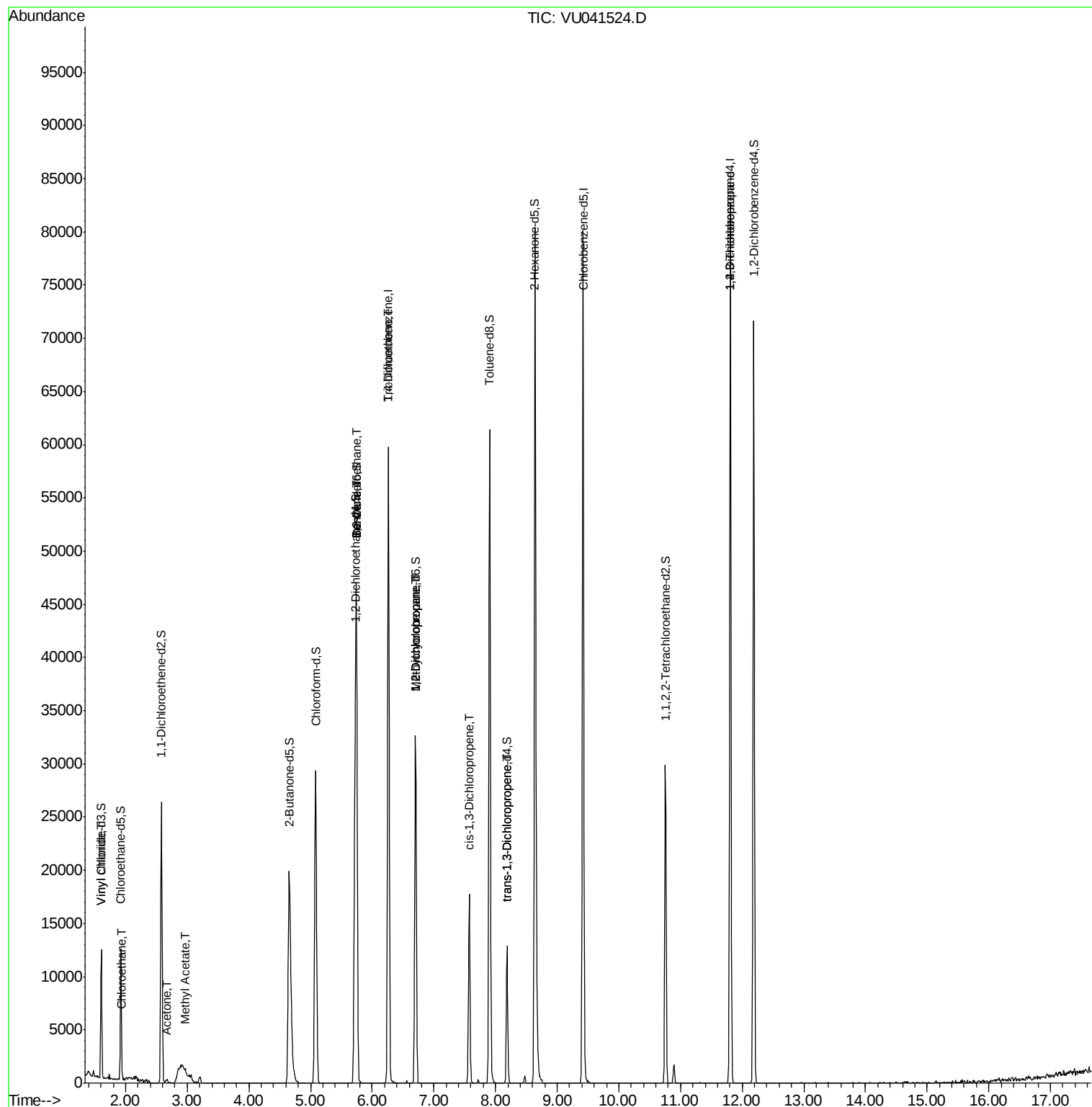
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	153	0.049	ug/L #	9
8) Chloroethane	1.95	64	197	0.097	ug/L #	45
13) Acetone	2.67	43	822	1.198	ug/L #	50
15) Methyl Acetate	2.97	43	165	0.131	ug/L #	51
27) 1,2-Dichloroethane	5.74	62	217	0.044	ug/L #	79
33) Benzene	5.75	78	237	0.023	ug/L	100
34) Trichloroethene	6.26	95	978	0.317	ug/L #	6
35) Methylcyclohexane	6.70	83	3939	0.936	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	1879	0.784	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	474	0.110	ug/L #	70
44) trans-1,3-Dichloropropene	8.19	75	220	0.051	ug/L #	42
59) 1,2,3-Trichloropropane	11.81	75	2180	0.938	ug/L #	86

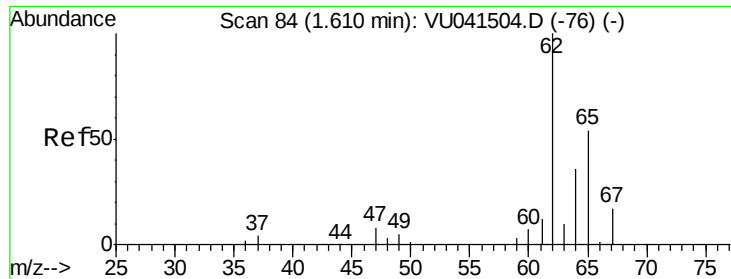
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.049 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041524.D

Acq: 09 Dec 2020 19:15

Instrument :

MSVOA_U

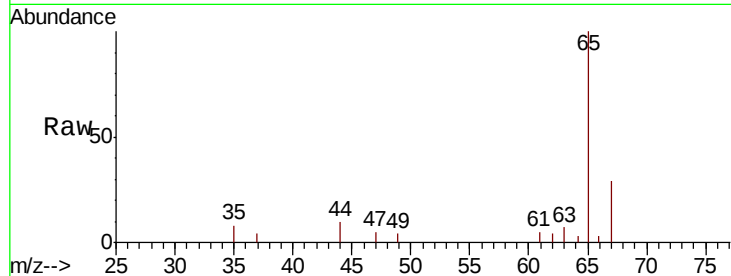
ClientSampleId :

Tot Ion: 62 Resp: 153

Ion Ratio Lower Upper

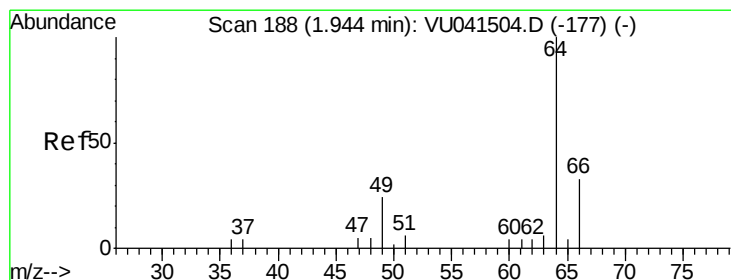
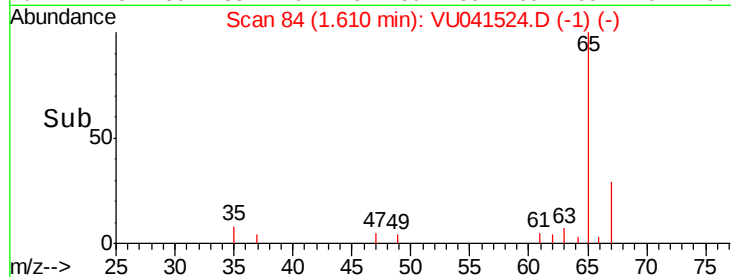
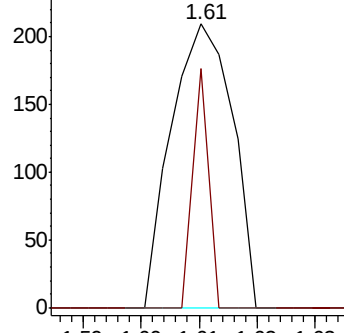
62 100

64 84.2 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.097 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU041524.D

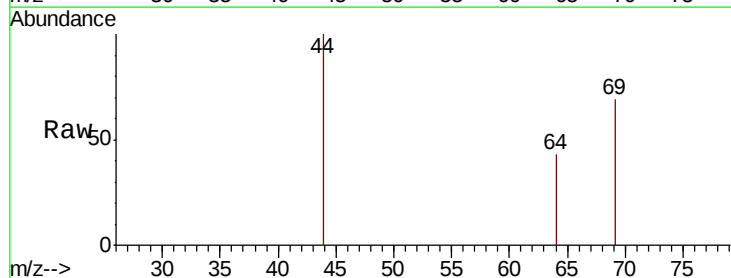
Acq: 09 Dec 2020 19:15

Tgt Ion: 64 Resp: 197

Ion Ratio Lower Upper

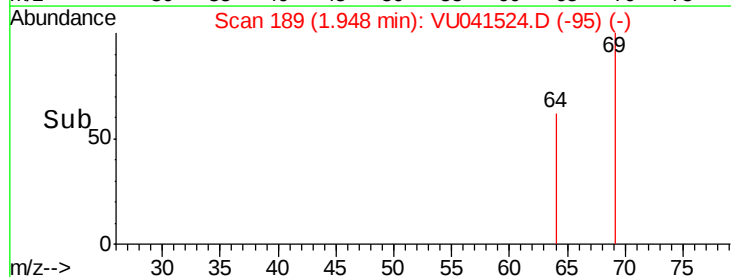
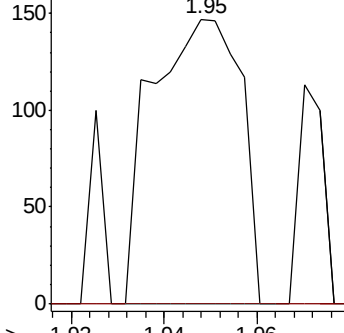
64 100

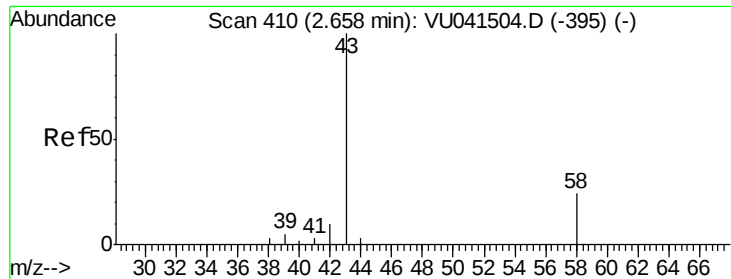
66 0.0 20.9 38.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 1.198 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041524.D

Acq: 09 Dec 2020 19:15

Instrument :

MSVOA_U

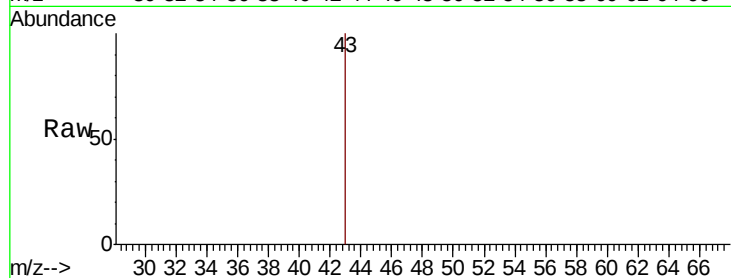
ClientSampled :

Tot Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

58 0.0 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

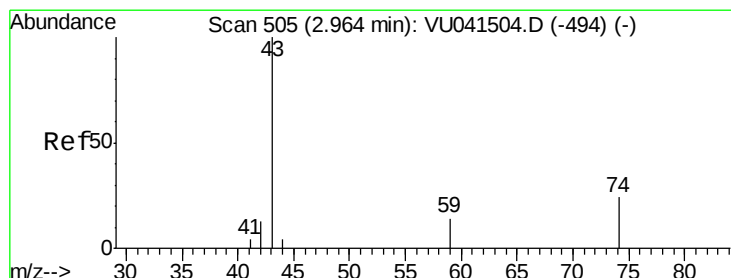
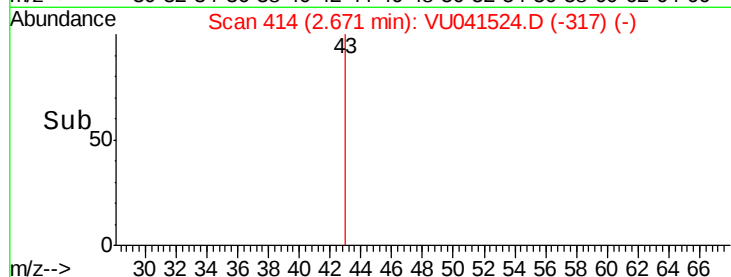
300

200

100

0

Time--> 2.60 2.65 2.70



#15

Methyl Acetate

Concen: 0.131 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041524.D

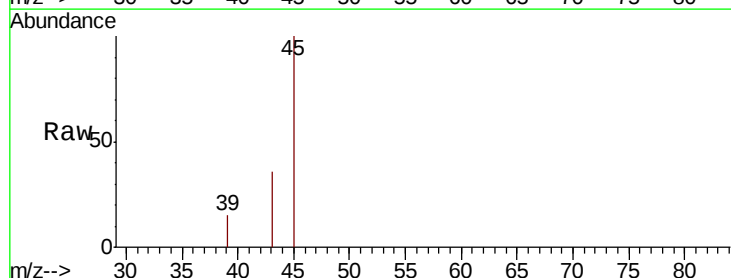
Acq: 09 Dec 2020 19:15

Tgt Ion: 43 Resp: 165

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

400

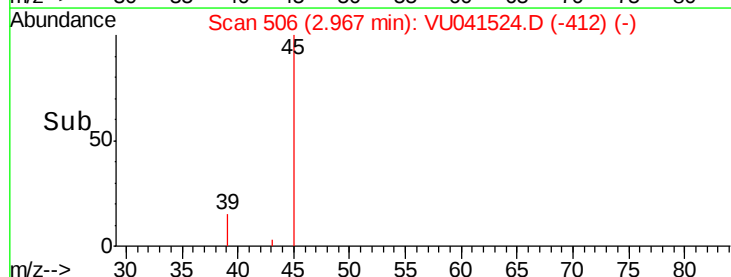
300

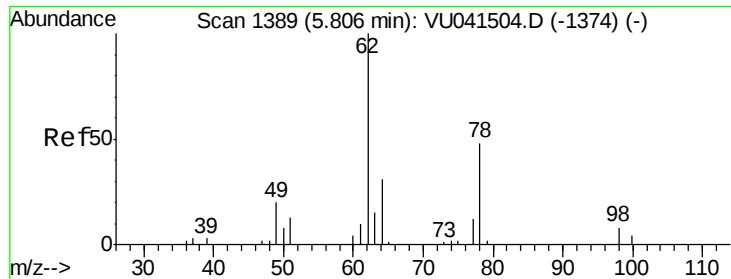
200

100

0

Time--> 2.95 2.96 2.97 2.98 2.99

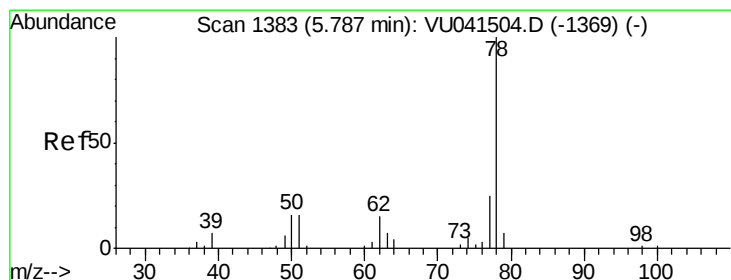
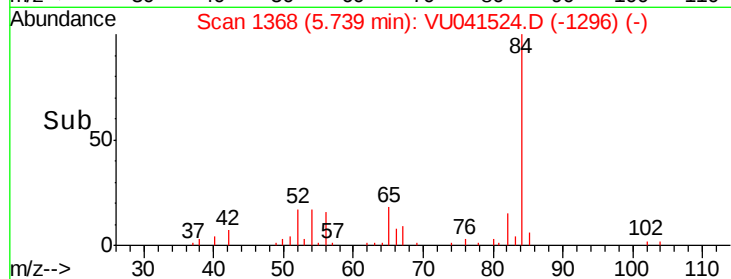
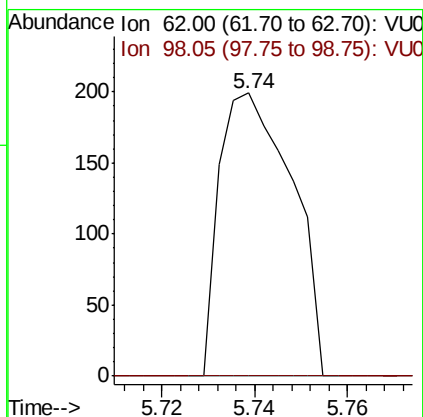
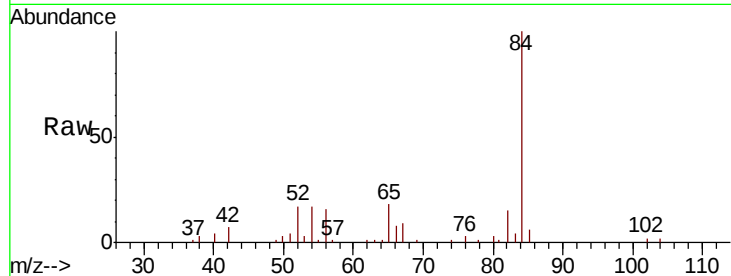




#27
 1,2-Dichloroethane
 Concen: 0.044 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041524.D
 Acq: 09 Dec 2020 19:15

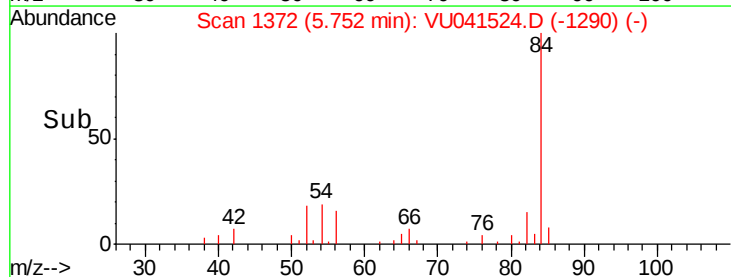
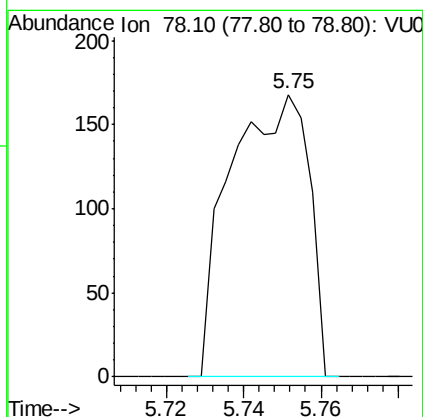
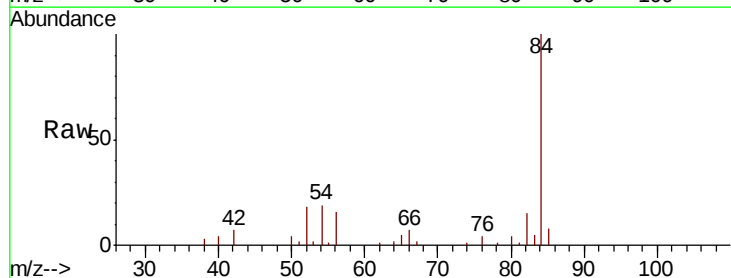
Instrument :
 MSVOA_U
 ClientSampleId :

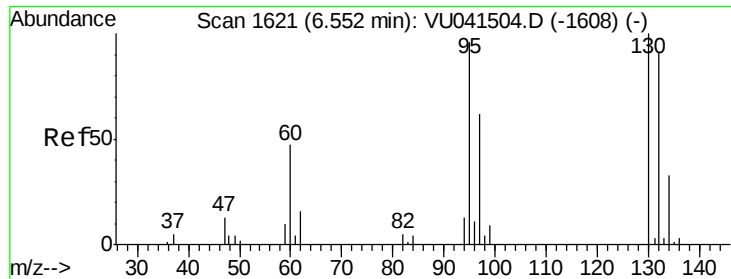
Tot Ion: 62 Resp: 217
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#33
 Benzene
 Concen: 0.023 ug/L
 RT: 5.75 min Scan# 1372
 Delta R.T. -0.04 min
 Lab File: VU041524.D
 Acq: 09 Dec 2020 19:15

Tgt Ion: 78 Resp: 237

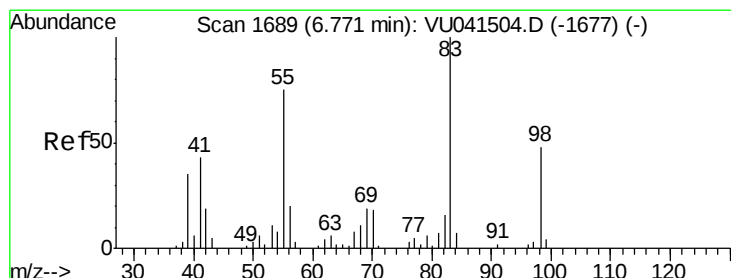
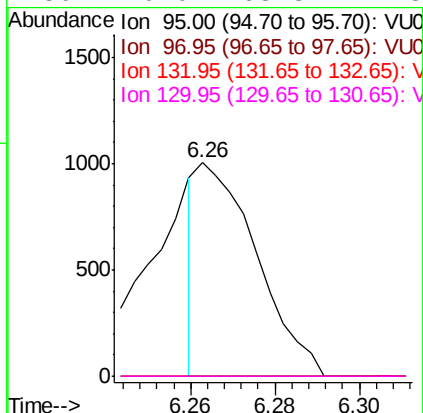
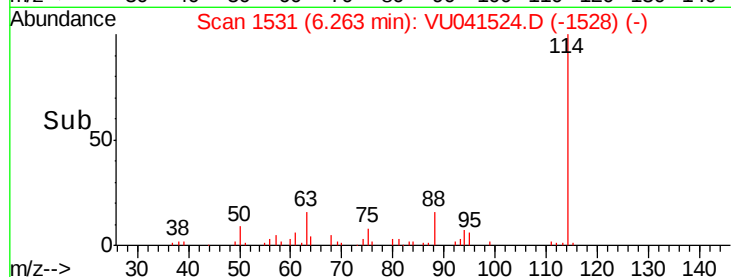
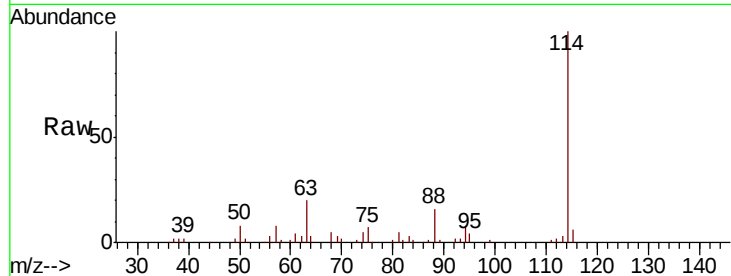




#34
 Trichloroethene
 Concen: 0.317 ug/L
 RT: 6.26 min Scan# 1531
 Delta R.T. -0.29 min
 Lab File: VU041524.D
 Acq: 09 Dec 2020 19:15

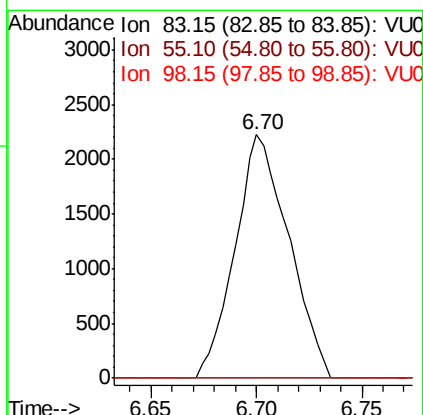
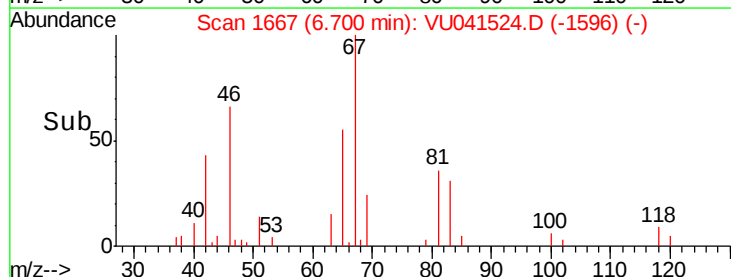
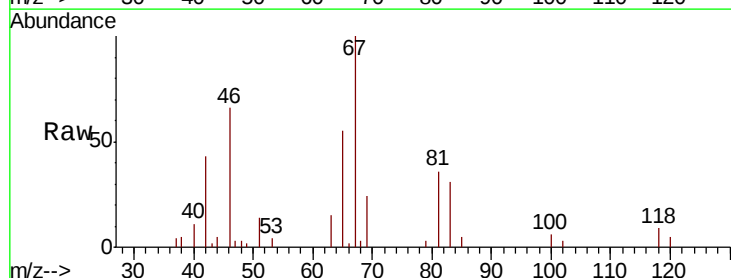
Instrument :
 MSVOA_U
 ClientSampleId :

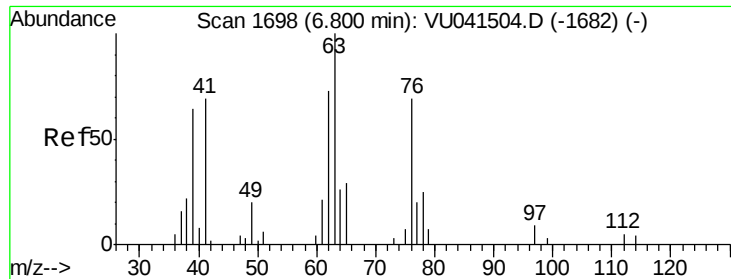
Tot Ion: 95 Resp: 978
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.7 83.1#
 132 0.0 65.7 121.9#
 130 0.0 68.8 127.8#



#35
 Methylcyclohexane
 Concen: 0.936 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041524.D
 Acq: 09 Dec 2020 19:15

Tgt Ion: 83 Resp: 3939
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.0 38.7 58.1#

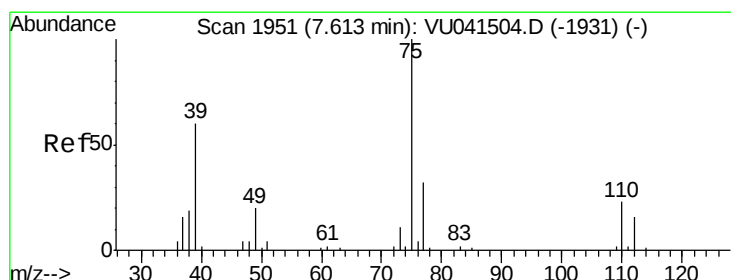
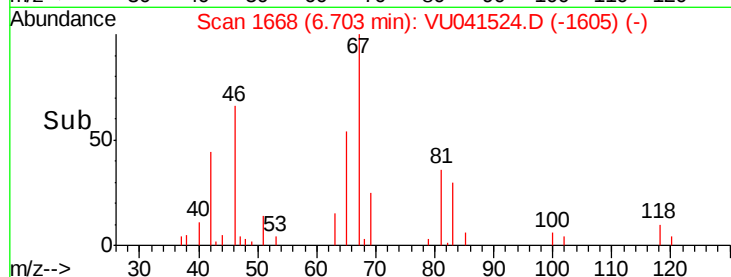
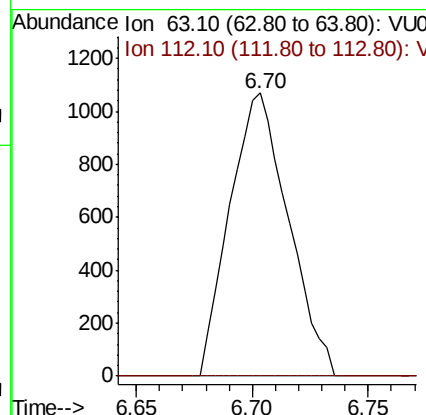
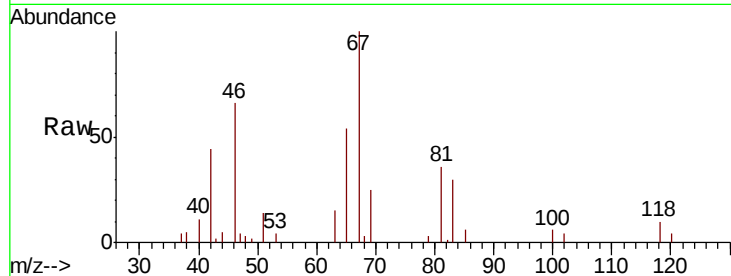




#37
 1,2-Dichloropropane
 Concen: 0.784 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041524.D
 Acq: 09 Dec 2020 19:15

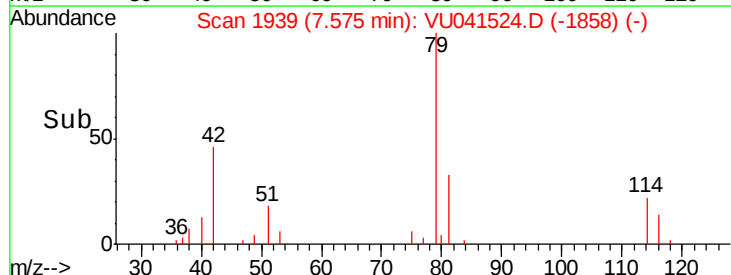
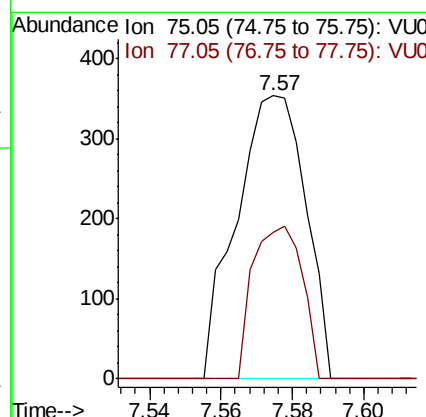
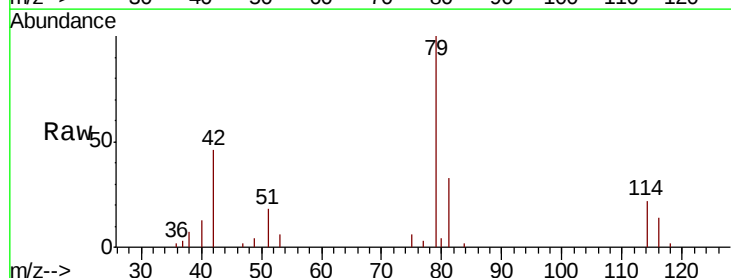
Instrument :
 MSVOA_U
 ClientSampled :

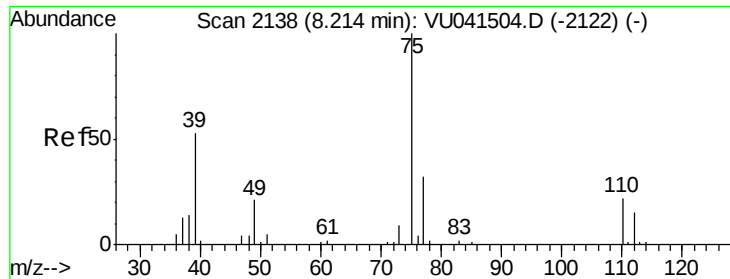
Tot Ion: 63 Resp: 1879
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041524.D
 Acq: 09 Dec 2020 19:15

Tgt Ion: 75 Resp: 474
 Ion Ratio Lower Upper
 75 100
 77 51.8 24.0 44.6#





#44

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041524.D

Acq: 09 Dec 2020 19:15

Instrument :

MSVOA_U

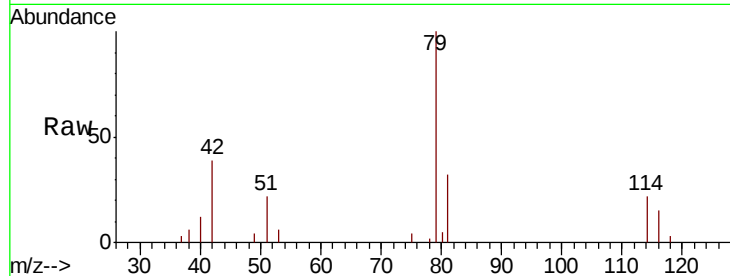
ClientSampleId :

Tot Ion: 75 Resp: 220

Ion Ratio Lower Upper

75 100

77 0.0 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

200

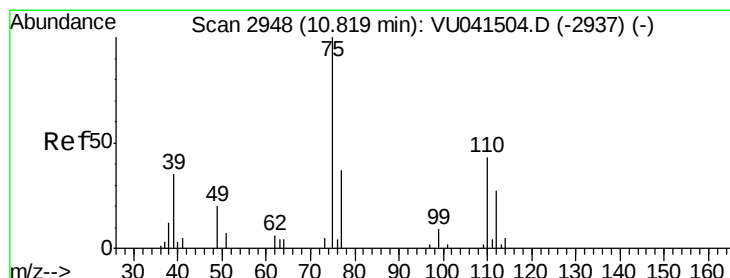
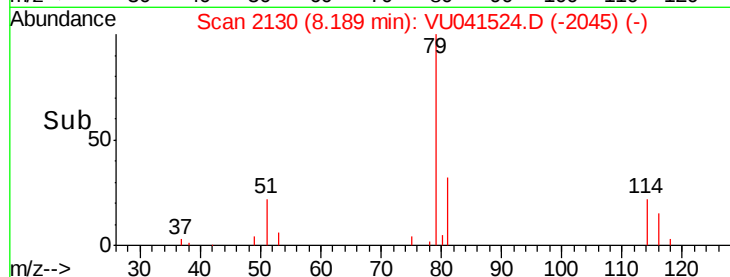
150

100

50

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.938 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041524.D

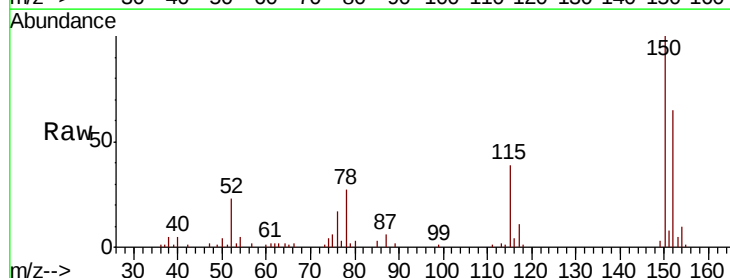
Acq: 09 Dec 2020 19:15

Tgt Ion: 75 Resp: 2180

Ion Ratio Lower Upper

75 100

77 41.0 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

1500

1000

500

0

Time-->

