

Data File : VU041394.D
Acq On : 23 Nov 2020 17:51
Operator : SY/MD
Sample : L4849-02DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4405DL

Quant Time: Nov 24 01:55:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68103	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72276	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31427	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22970	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.92	69	16884	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.58	63	37008	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.65	46	63591	52.15	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.30%
24) Chloroform-d	5.08	84	45608	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	29530	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.74	84	83882	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	27196	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	74442	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	11769	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.64	63	42189	50.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23023	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	26821	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.61	62	5629	0.946	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	269	0.057	ug/L #	21
12) 1,1-Dichloroethene	2.58	96	319	0.076	ug/L #	1
15) Methyl Acetate	2.68	43	230	0.118	ug/L #	55
16) Methylene chloride	3.06	84	5429	0.906	ug/L	93
17) Methyl tert-butyl Ether	3.38	73	18075	1.731	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	1668	0.367	ug/L	78
19) 1,1-Dichloroethane	3.89	63	868	0.096	ug/L #	66
22) cis-1,2-Dichloroethene	4.69	96	39672	8.203	ug/L	98
25) Chloroform	5.11	83	2777	0.279	ug/L	97
27) 1,2-Dichloroethane	5.74	62	601	0.093	ug/L #	78
33) Benzene	5.79	78	604	0.031	ug/L	100
34) Trichloroethene	6.55	95	44652	8.457	ug/L	96
35) Methylcyclohexane	6.70	83	6644	0.863	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3438	0.646	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	964	0.131	ug/L	88
44) trans-1,3-Dichloropropene	8.19	75	486	0.073	ug/L #	38

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112320\
Quantitation Report (Not Reviewed)

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Operator : SY/MD
Sample : L4849-02DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

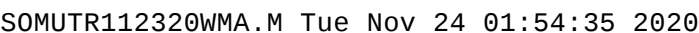
Instrument :
MSVOA_U
ClientSampleId :
H4405DL

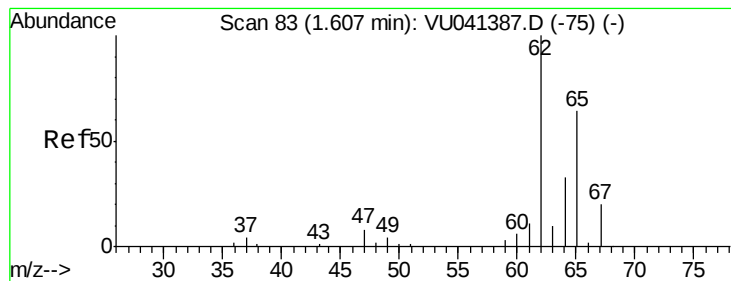
Quant Time: Nov 24 01:55:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.56	164	470	0.119	ug/L	80
49) Dibromochloromethane	8.56	129	500	0.108	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	3904	1.124	ug/L #	85

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

Quant Time: Nov 24 01:55:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.946 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleID :

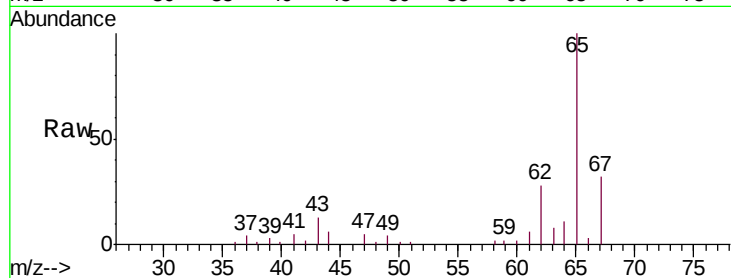
H4405DL

Tgt Ion: 62 Resp: 5629

Ion Ratio Lower Upper

62 100

64 39.1 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU041387.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041387.D (-75) (-)

6000

5000

4000

3000

2000

1000

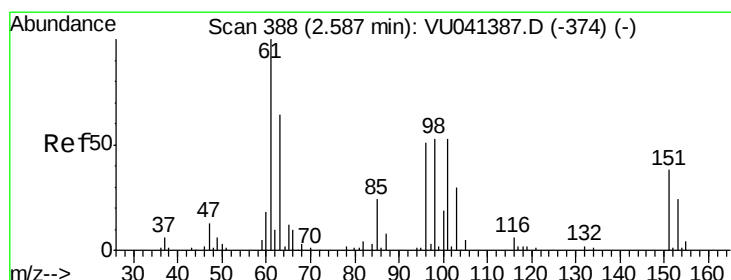
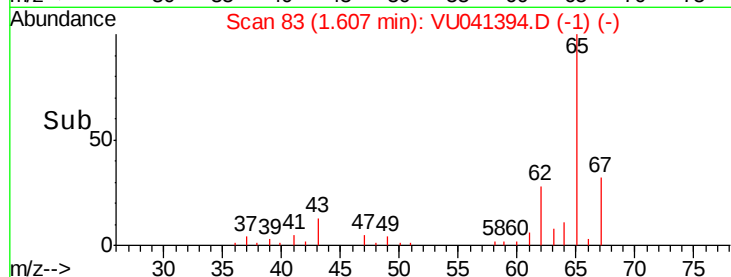
0

1.60

1.61

1.65

Time-->



#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

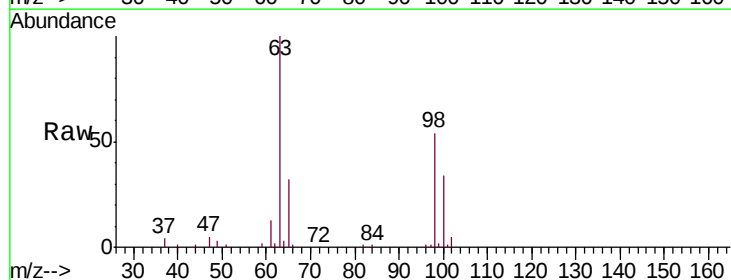
Tgt Ion: 101 Resp: 269

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.2 84.2#



Abundance Ion 101.00 (100.70 to 101.70): VU041387.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU041387.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU041387.D (-374) (-)

250

200

150

100

50

0

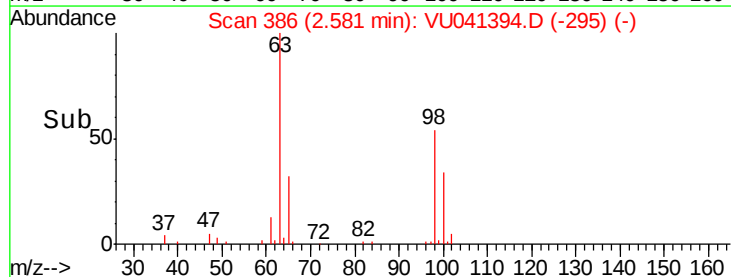
2.54

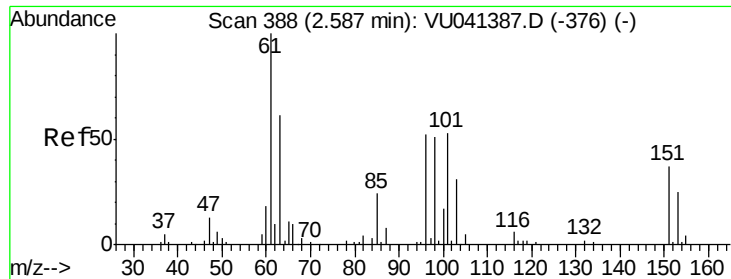
2.56

2.58

2.60

Time-->





#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

H4405DL

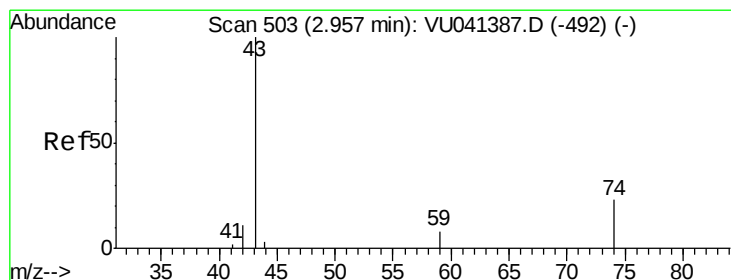
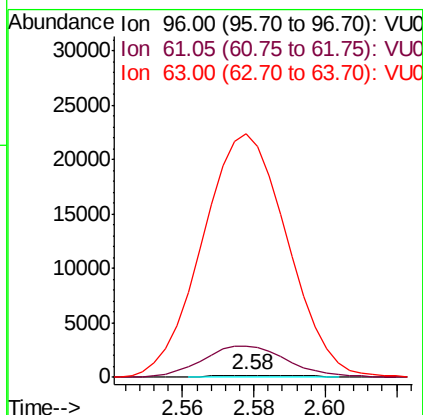
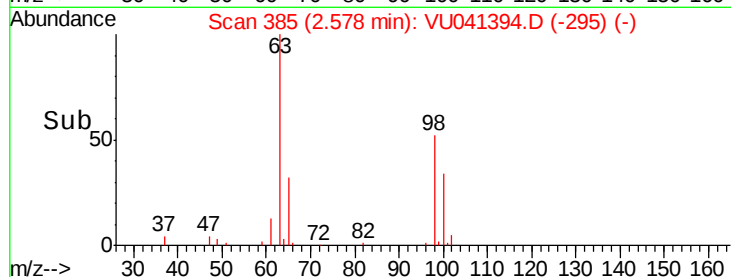
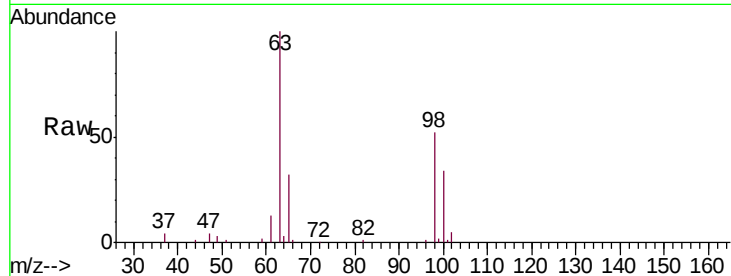
Tgt Ion: 96 Resp: 319

Ion Ratio Lower Upper

96 100

61 1358.5 129.8 241.2#

63 10554.7 79.2 147.0#



#15

Methyl Acetate

Concen: 0.118 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.28 min

Lab File: VU041394.D

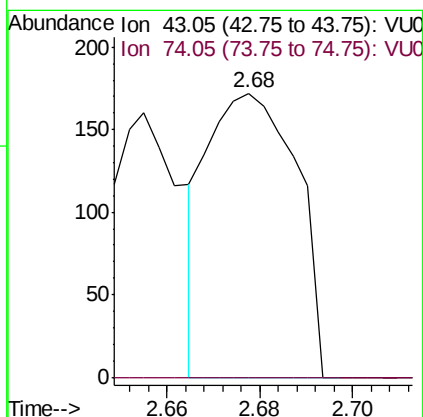
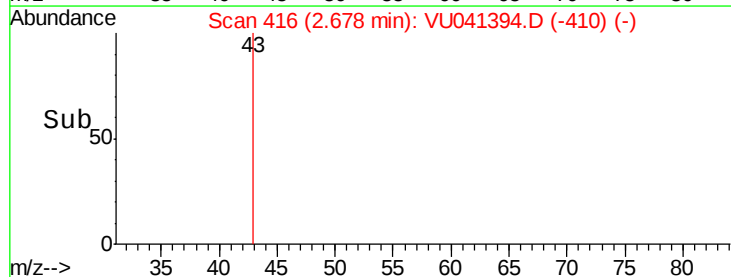
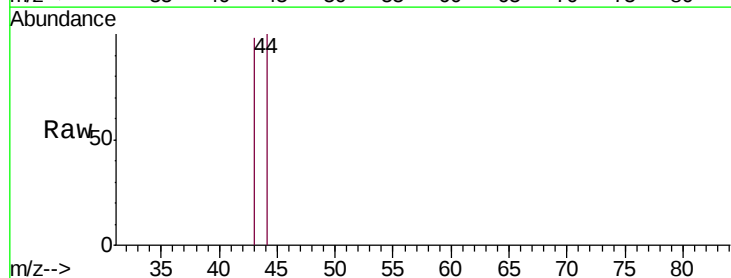
Acq: 23 Nov 2020 17:51

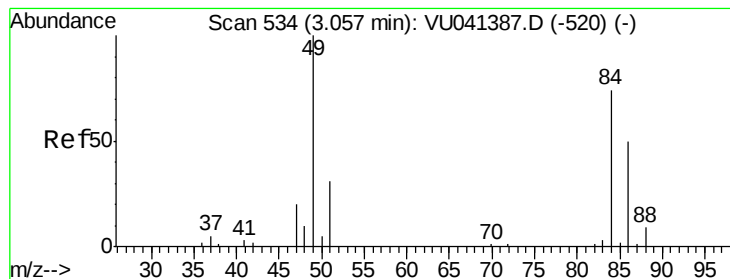
Tgt Ion: 43 Resp: 230

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.6#





#16

Methylene chloride

Concen: 0.906 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

H4405DL

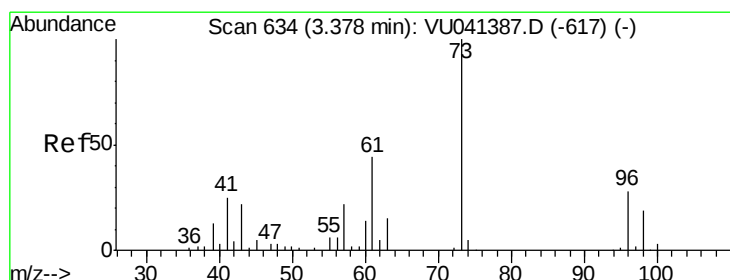
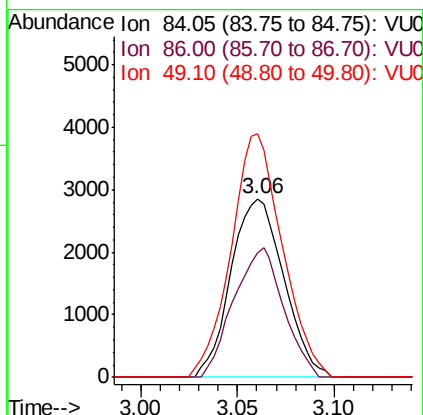
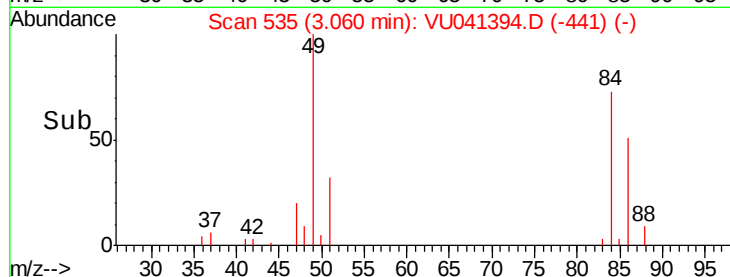
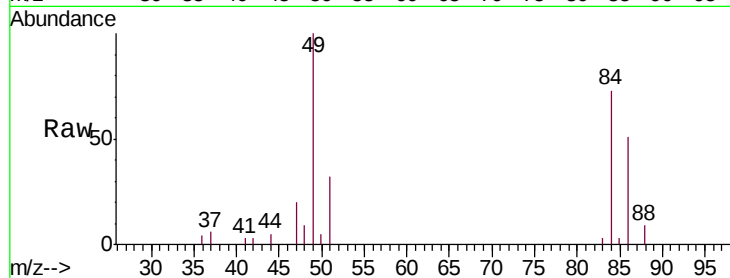
Tgt Ion: 84 Resp: 5429

Ion Ratio Lower Upper

84 100

86 70.0 44.4 82.5

49 136.3 89.9 167.0



#17

Methyl tert-butyl Ether

Concen: 1.731 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

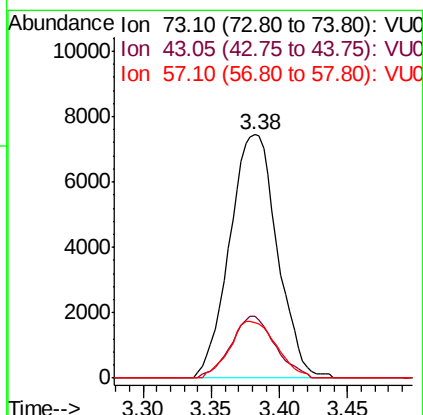
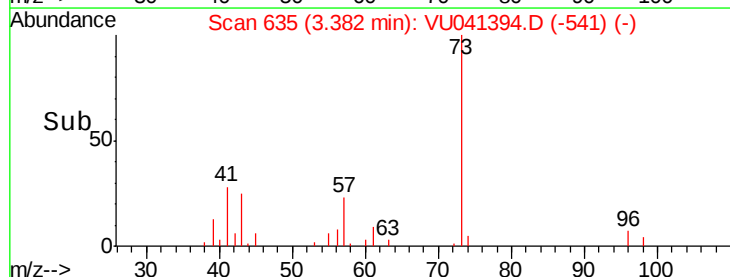
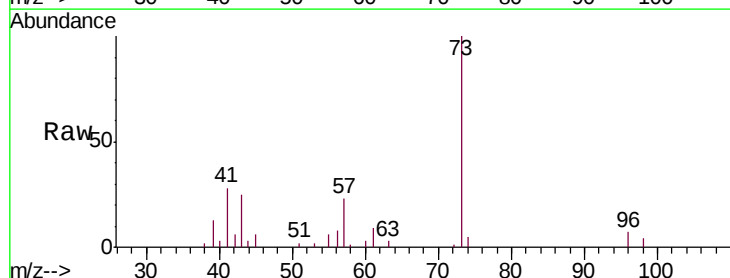
Tgt Ion: 73 Resp: 18075

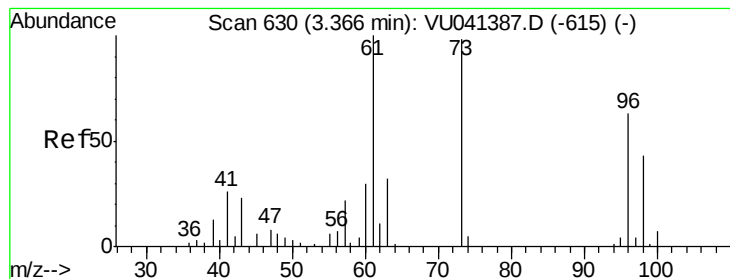
Ion Ratio Lower Upper

73 100

43 23.6 18.3 27.5

57 22.8 17.7 26.5





#18

trans-1,2-Dichloroethene

Concen: 0.367 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

H4405DL

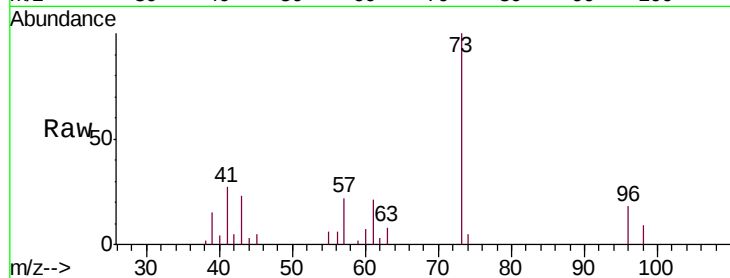
Tgt Ion: 96 Resp: 1668

Ion Ratio Lower Upper

96 100

61 119.7 103.7 192.5

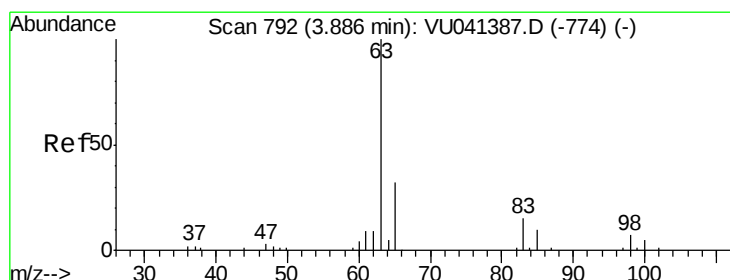
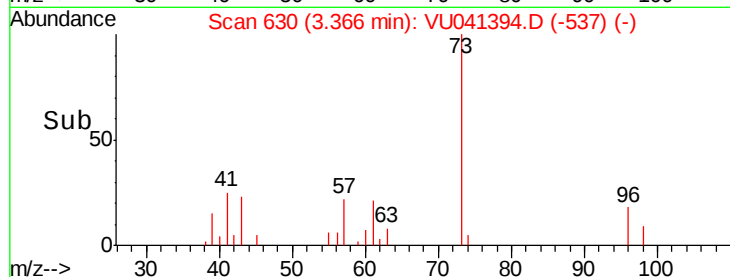
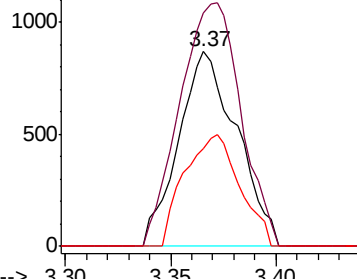
98 50.3 47.5 88.3



Abundance Ion 96.00 (95.70 to 96.70): VU041387.D (-615) (-)

Ion 61.05 (60.75 to 61.75): VU041387.D (-615) (-)

Ion 97.95 (97.65 to 98.65): VU041387.D (-615) (-)



#19

1,1-Dichloroethane

Concen: 0.096 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

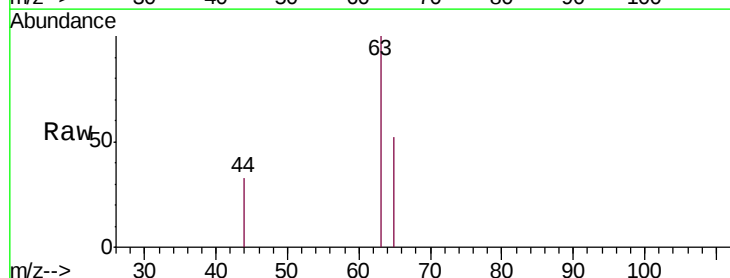
Tgt Ion: 63 Resp: 868

Ion Ratio Lower Upper

63 100

65 52.4 23.0 42.8#

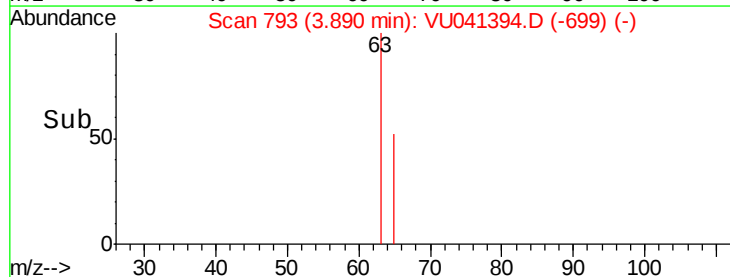
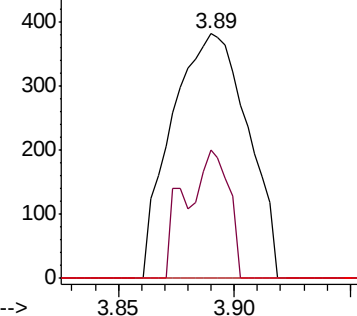
83 0.0 9.4 17.4#

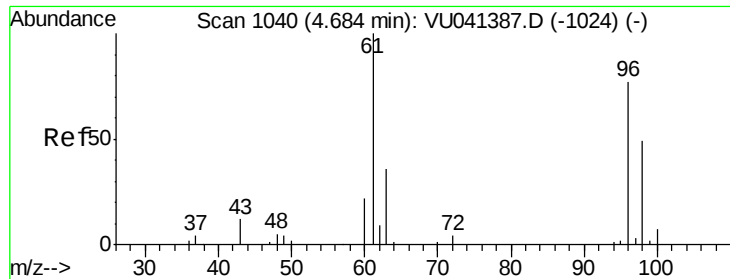


Abundance Ion 63.10 (62.80 to 63.80): VU041387.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU041387.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU041387.D (-774) (-)

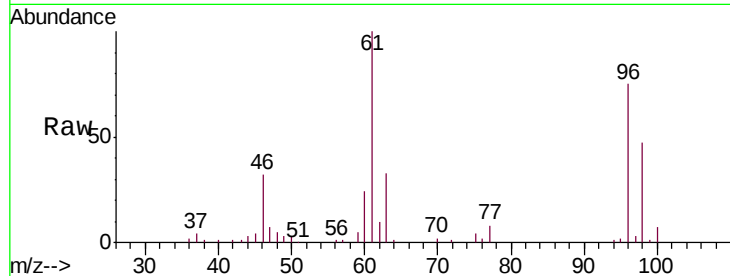




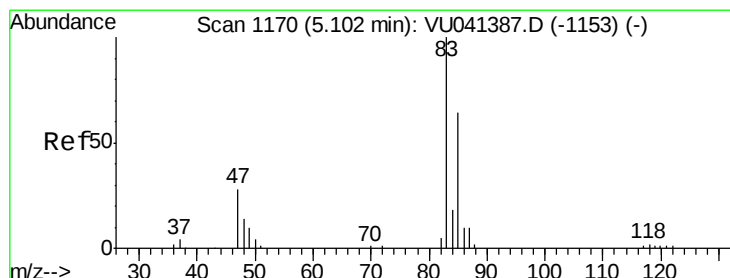
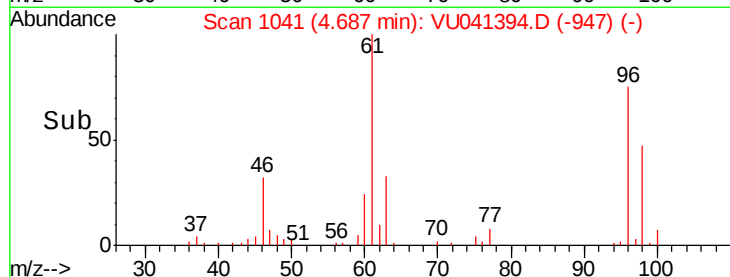
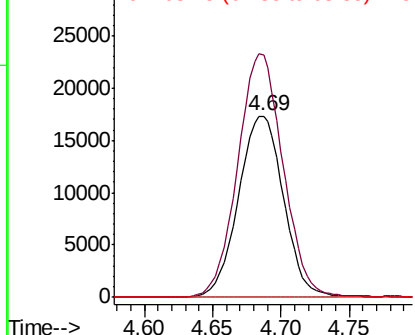
#22
 cis-1,2-Dichloroethene
 Concen: 8.203 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041394.D
 Acq: 23 Nov 2020 17:51

Instrument :
 MSVOA_U
 ClientSampleId :
 H4405DL

Tgt Ion: 96 Resp: 39672
 Ion Ratio Lower Upper
 96 100
 61 133.9 95.3 176.9
 68 0.0 0.0 0.0

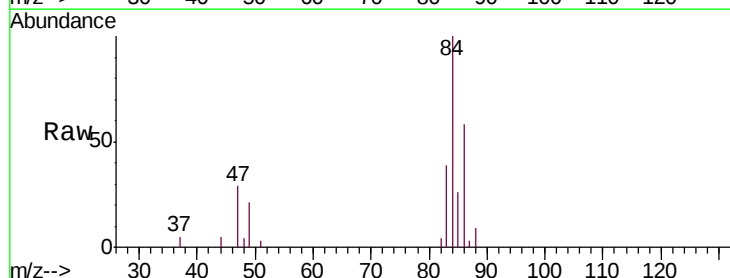


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

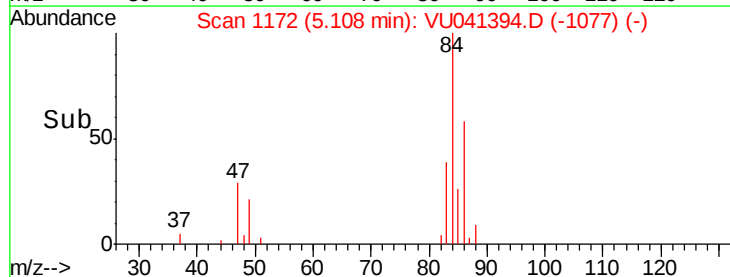
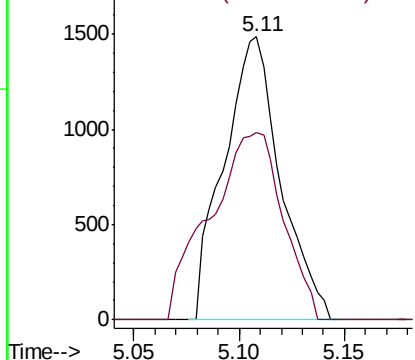


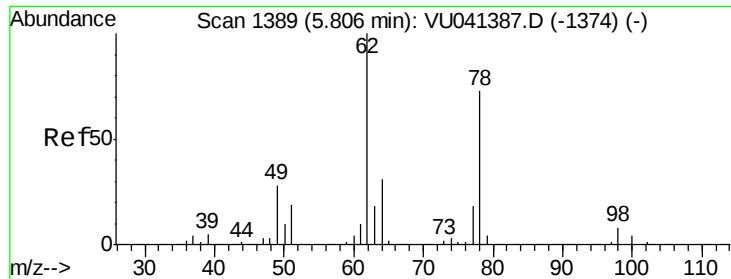
#25
 Chloroform
 Concen: 0.279 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VU041394.D
 Acq: 23 Nov 2020 17:51

Tgt Ion: 83 Resp: 2777
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.7 82.9



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





#27

1,2-Dichloroethane

Concen: 0.093 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

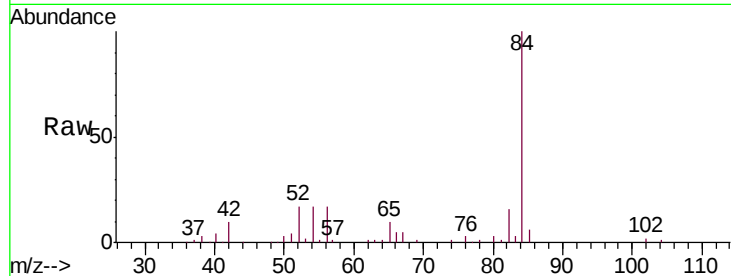
H4405DL

Tgt Ion: 62 Resp: 601

Ion Ratio Lower Upper

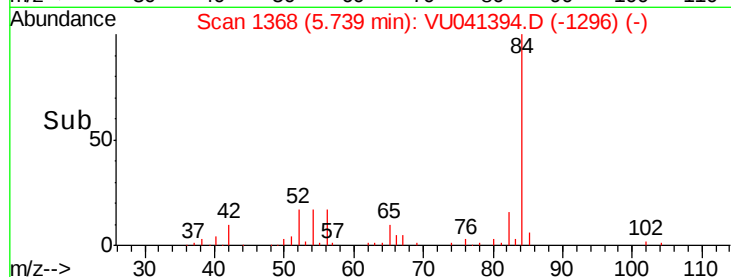
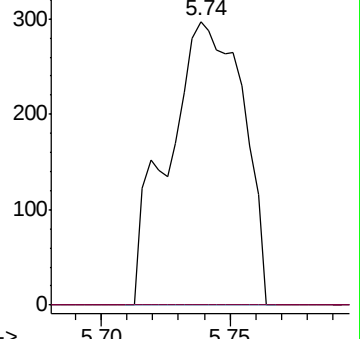
62 100

98 0.0 6.0 9.0#

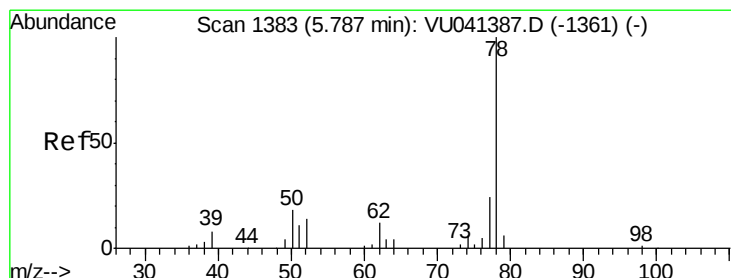


Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



Time-->



#33

Benzene

Concen: 0.031 ug/L

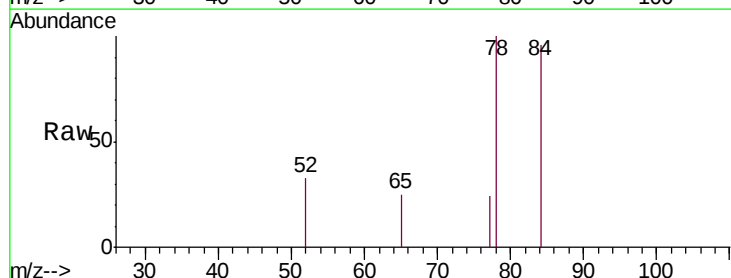
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041394.D

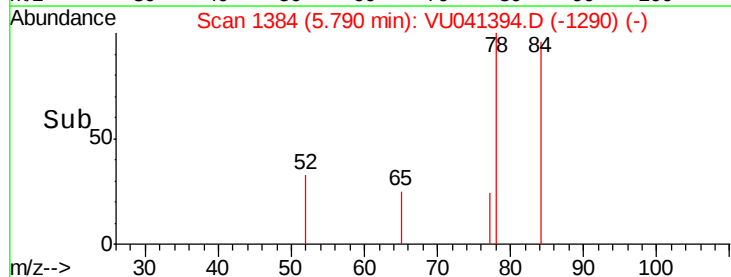
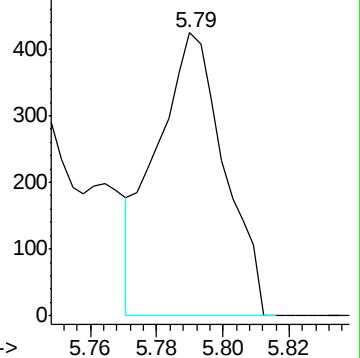
Acq: 23 Nov 2020 17:51

Tgt Ion: 78 Resp: 604

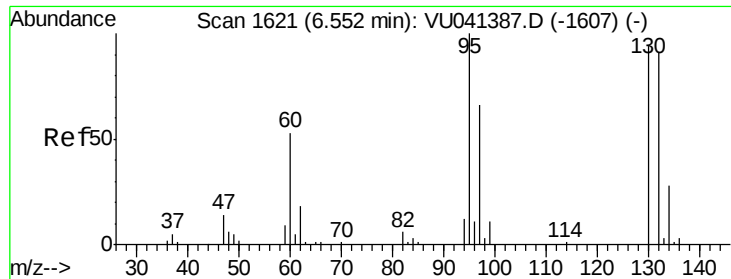


Abundance Ion 78.10 (77.80 to 78.80): VU0

Time-->



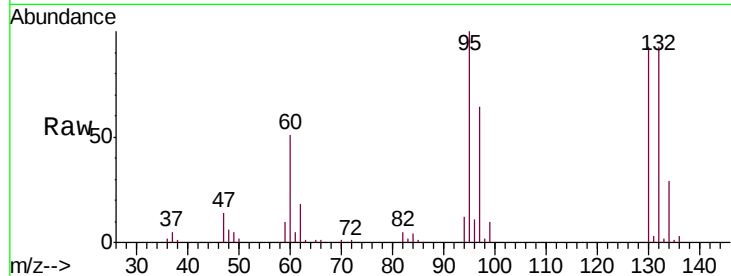
Time-->



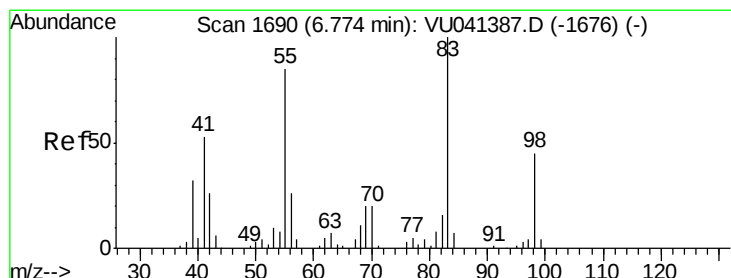
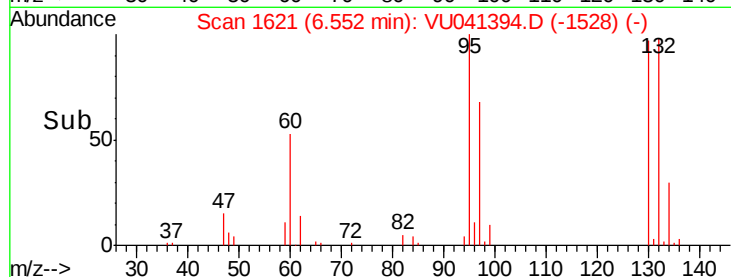
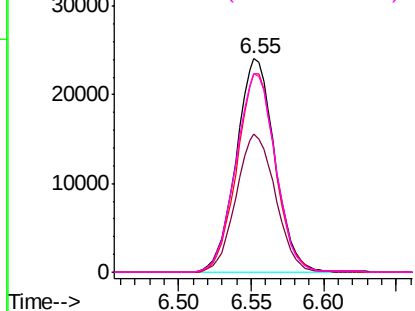
#34
Trichloroethene
Concen: 8.457 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041394.D
Acq: 23 Nov 2020 17:51

Instrument :
MSVOA_U
ClientSampleID :
H4405DL

Tgt Ion: 95 Resp: 44652
Ion Ratio Lower Upper
95 100
97 64.5 46.5 86.5
132 93.1 60.8 113.0
130 92.8 63.3 117.7

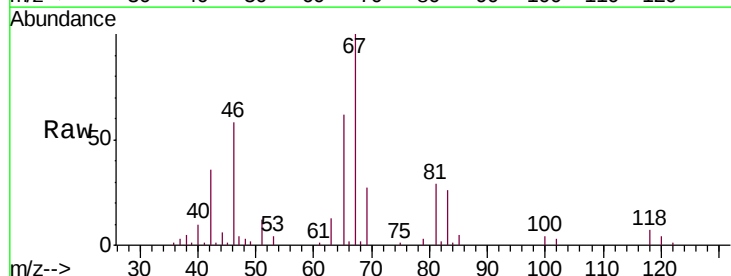


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

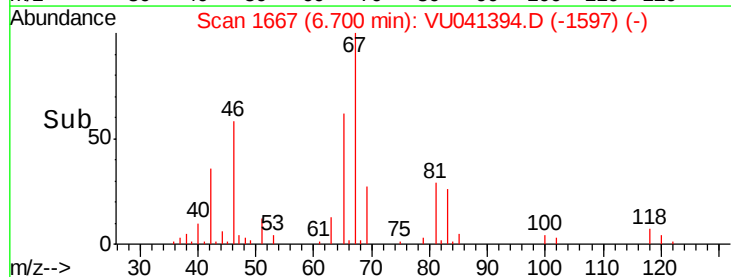
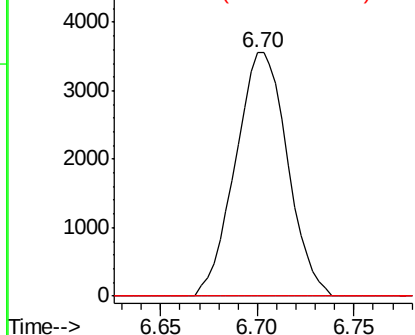


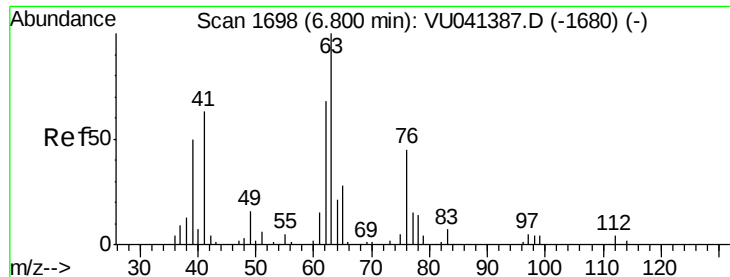
#35
Methylcyclohexane
Concen: 0.863 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041394.D
Acq: 23 Nov 2020 17:51

Tgt Ion: 83 Resp: 6644
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 0.0 36.5 54.7#



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

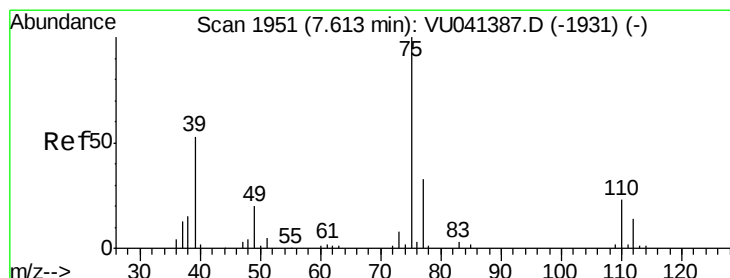
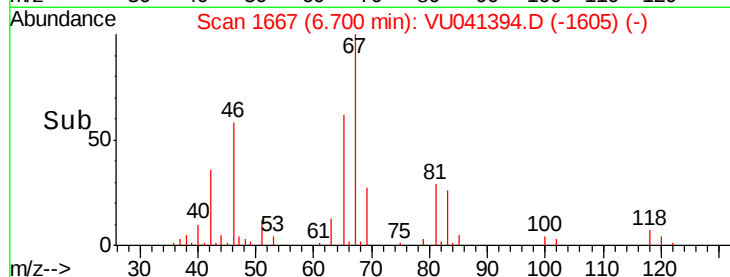
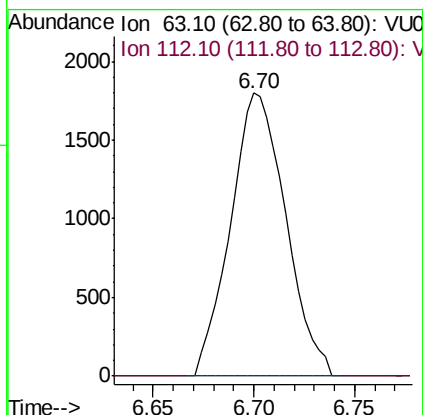
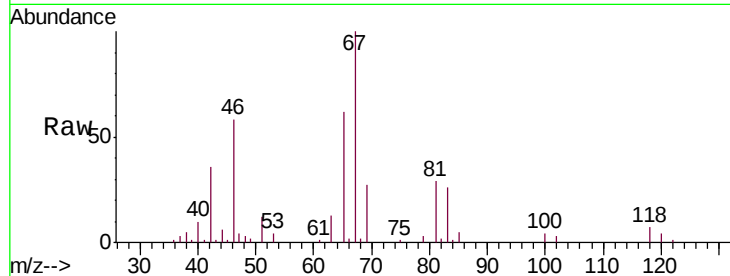




#37
 1,2-Dichloropropane
 Concen: 0.646 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041394.D
 Acq: 23 Nov 2020 17:51

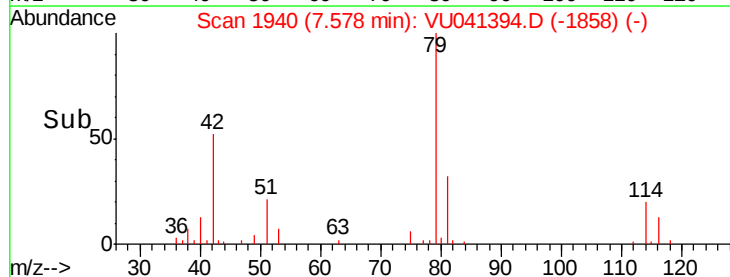
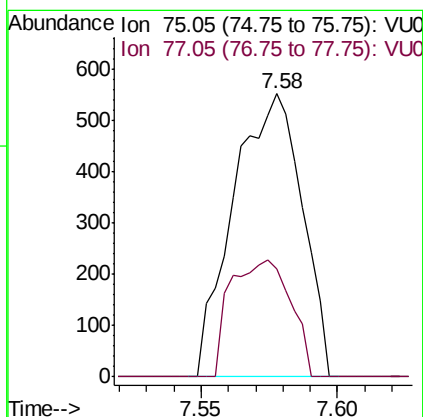
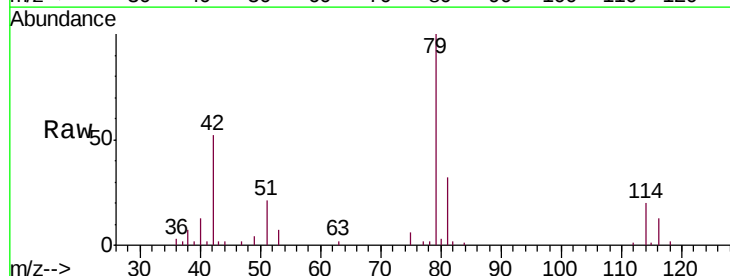
Instrument :
 MSVOA_U
 ClientSampleId :
 H4405DL

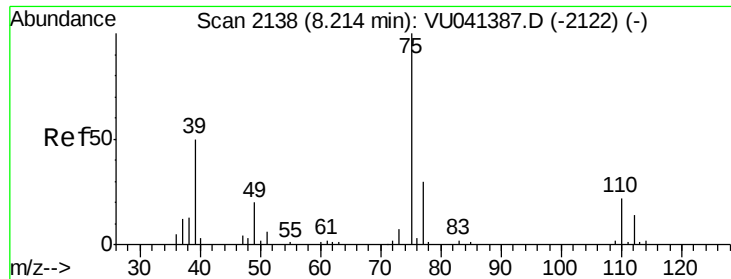
Tgt Ion: 63 Resp: 3438
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 4.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041394.D
 Acq: 23 Nov 2020 17:51

Tgt Ion: 75 Resp: 964
 Ion Ratio Lower Upper
 75 100
 77 38.2 22.1 41.1





#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

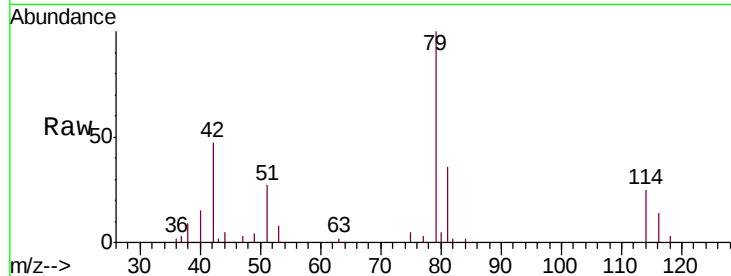
H4405DL

Tgt Ion: 75 Resp: 486

Ion Ratio Lower Upper

75 100

77 65.0 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041387.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041387.D (-2122) (-)

8.19

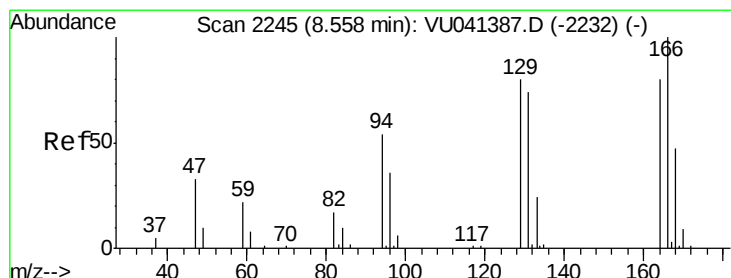
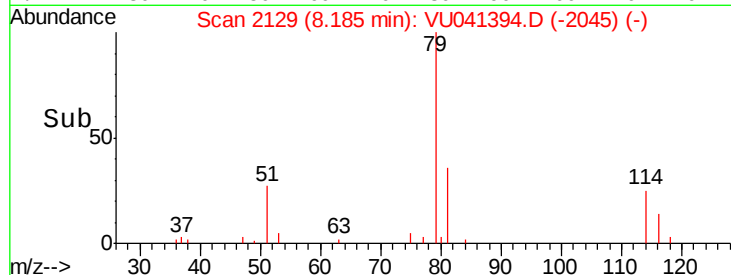
300

200

100

0

Time-->



#47

Tetrachloroethene

Concen: 0.119 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Tgt Ion: 164 Resp: 470

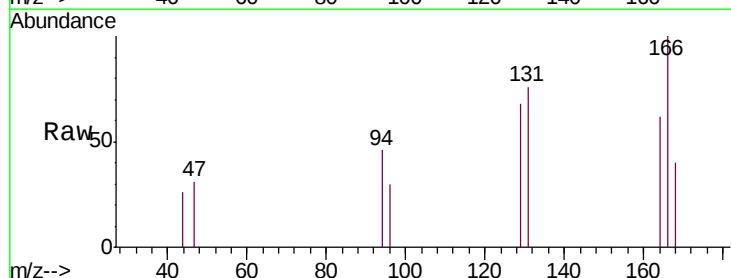
Ion Ratio Lower Upper

164 100

129 110.3 71.0 131.9

131 122.7 69.0 128.1

166 161.7 92.4 171.6



Abundance Ion 163.90 (163.60 to 164.60): VU041387.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU041387.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU041387.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU041387.D (-2232) (-)

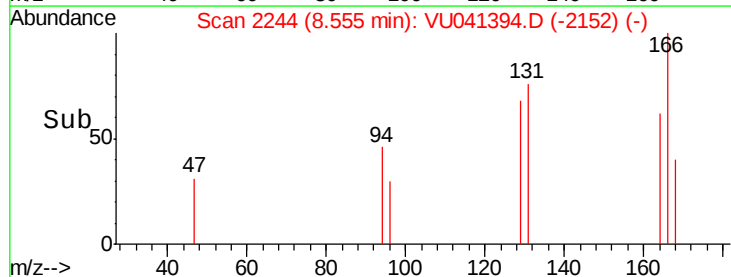
600

400

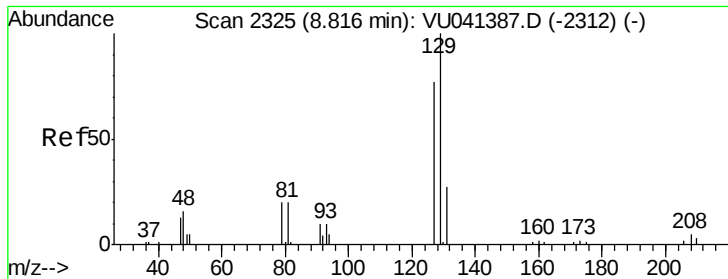
200

0

Time-->



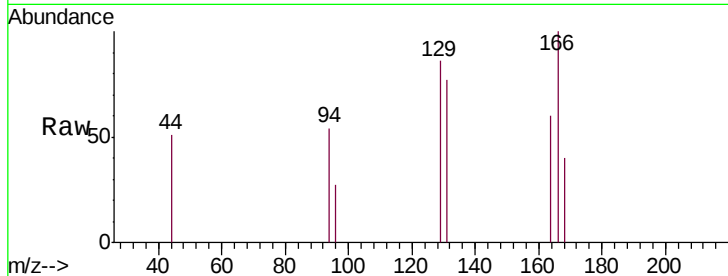
8.56



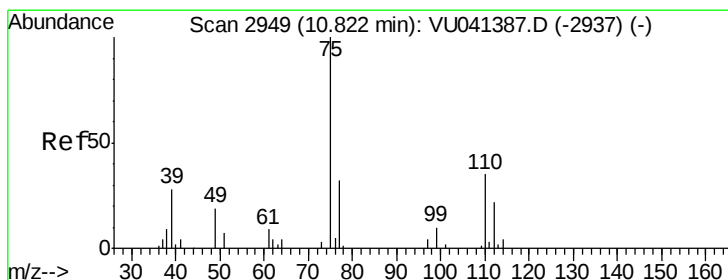
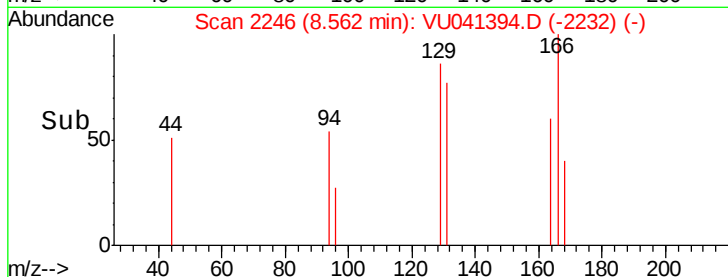
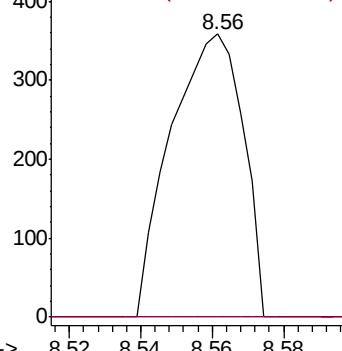
#49
Dibromochloromethane
Concen: 0.108 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. -0.25 min
Lab File: VU041394.D
Acq: 23 Nov 2020 17:51

Instrument :
MSVOA_U
ClientSampleId :
H4405DL

Tgt Ion: 129 Resp: 500
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#

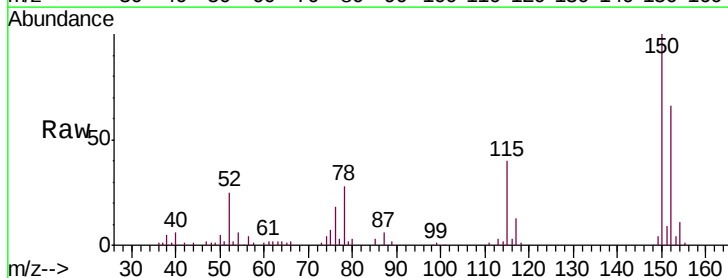


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#59
1,2,3-Trichloropropane
Concen: 1.124 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041394.D
Acq: 23 Nov 2020 17:51

Tgt Ion: 75 Resp: 3904
Ion Ratio Lower Upper
75 100
77 39.8 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

