

Data File : VU041398.D
Acq On : 23 Nov 2020 19:27
Operator : SY/MD
Sample : L4849-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4412DL

Quant Time: Nov 24 01:55:54 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	66262	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68792	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28983	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22193	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	16539	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.58	63	35406	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.66	46	72633	61.22	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.44%
24) Chloroform-d	5.08	84	44322	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.72	65	28140	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.74	84	77823	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	26891	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	70571	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.19	79	11716	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.64	63	43933	55.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20348	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	27385	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.61	62	2984	0.515 ug/L	91
8) Chloroethane	2.13	64	160	0.049 ug/L #	40
16) Methylene chloride	3.06	84	7493	1.285 ug/L	92
17) Methyl tert-butyl Ether	3.39	73	3152	0.310 ug/L	95
18) trans-1,2-Dichloroethene	3.37	96	1374	0.311 ug/L	74
22) cis-1,2-Dichloroethene	4.68	96	28442	6.044 ug/L	98
25) Chloroform	5.11	83	2919	0.302 ug/L	92
27) 1,2-Dichloroethane	5.75	62	555	0.088 ug/L #	78
34) Trichloroethene	6.56	95	1150	0.229 ug/L	94
35) Methylcyclohexane	6.70	83	6371	0.869 ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3340	0.660 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	852	0.122 ug/L #	65
44) trans-1,3-Dichloropropene	8.18	75	468	0.073 ug/L	83
48) 2-Hexanone	8.64	43	6546	2.873 ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	3676	1.112 ug/L #	88

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

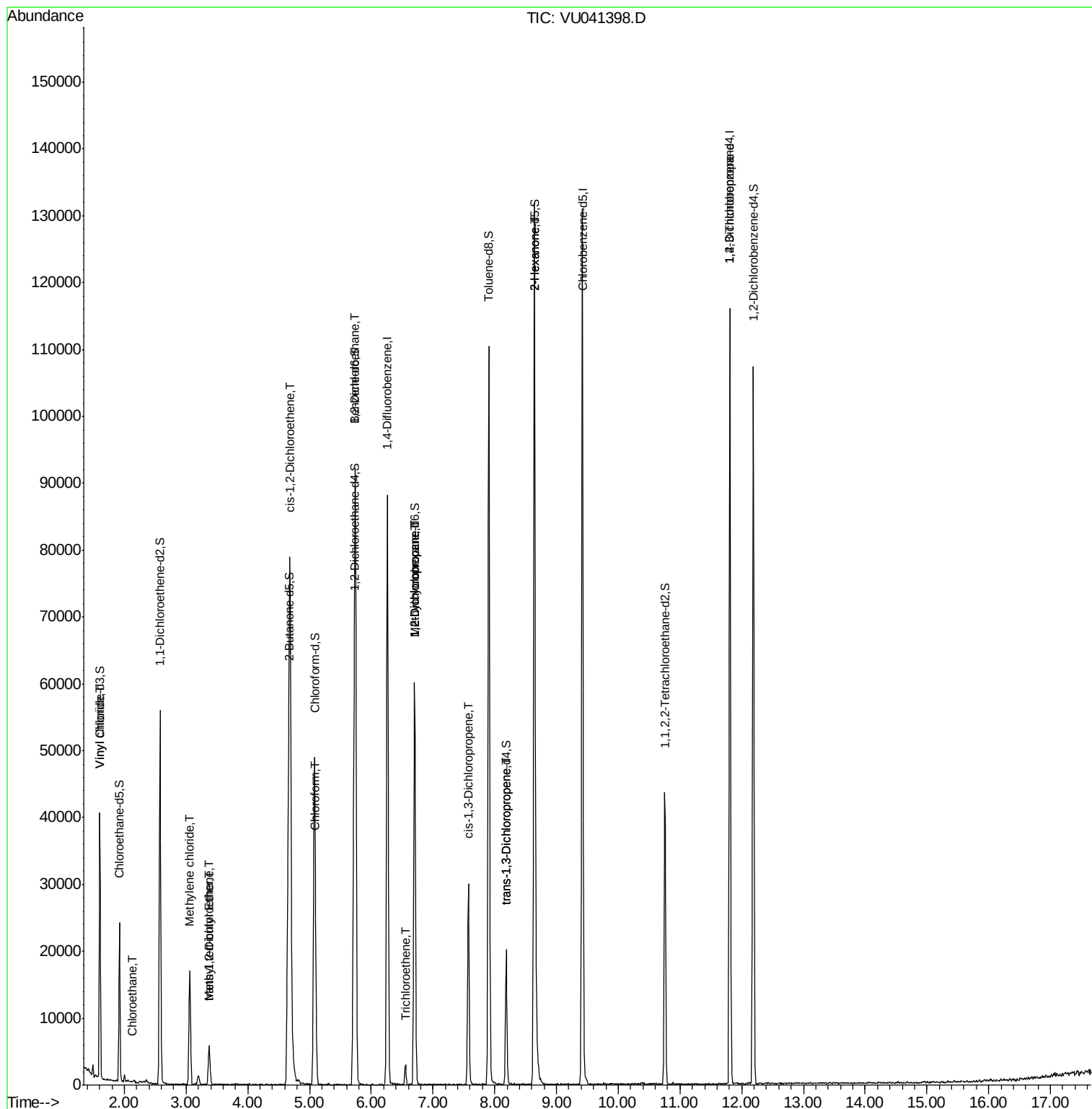
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

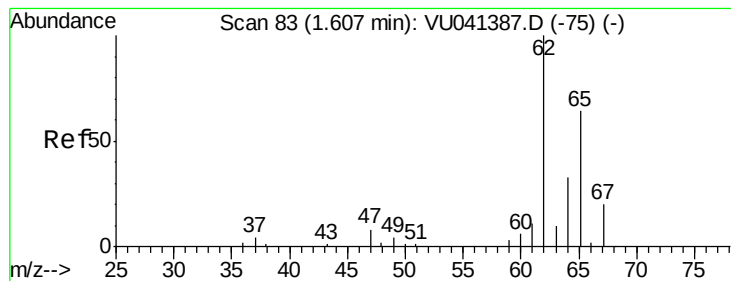
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 0.515 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

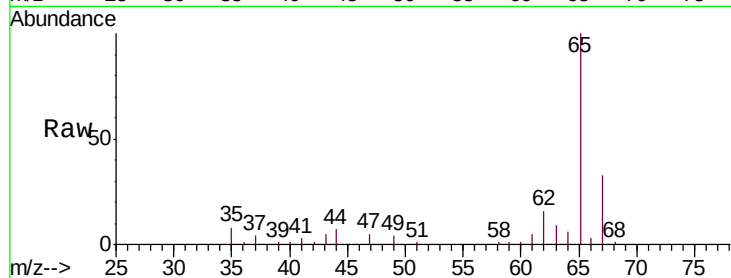
H4412DL

Tgt Ion: 62 Resp: 2984

Ion Ratio Lower Upper

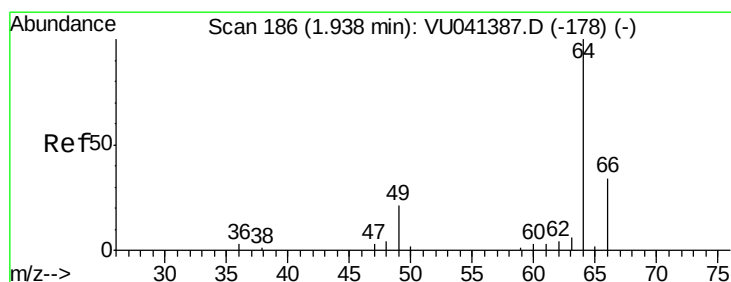
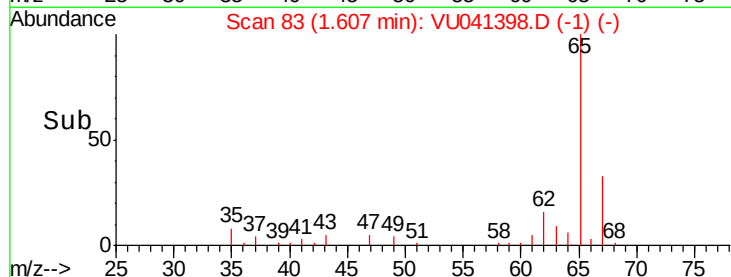
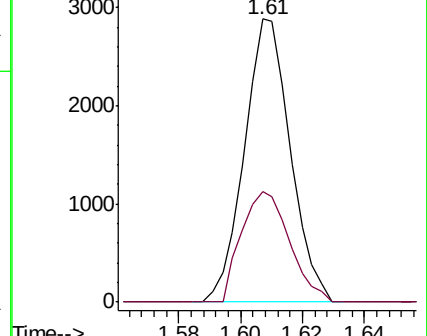
62 100

64 39.2 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.049 ug/L

RT: 2.13 min Scan# 247

Delta R.T. 0.20 min

Lab File: VU041398.D

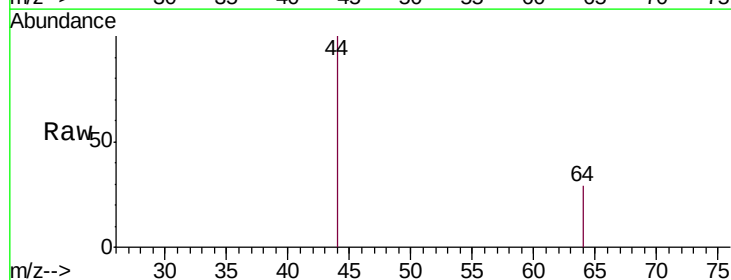
Acq: 23 Nov 2020 19:27

Tgt Ion: 64 Resp: 160

Ion Ratio Lower Upper

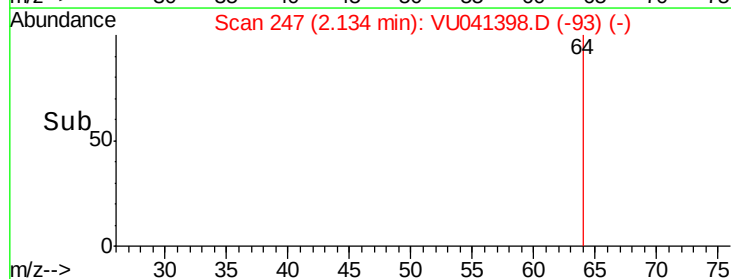
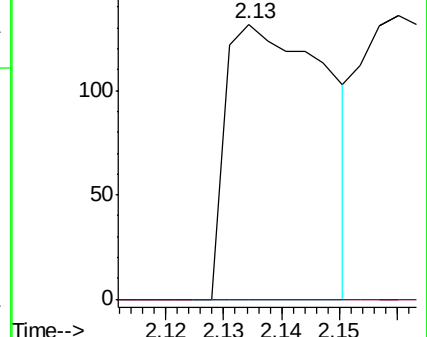
64 100

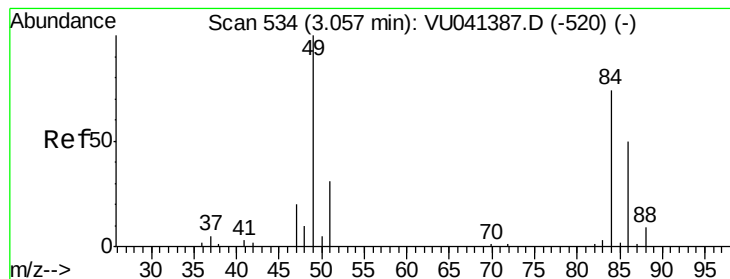
66 0.0 24.6 45.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#16

Methylene chloride

Concen: 1.285 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

H4412DL

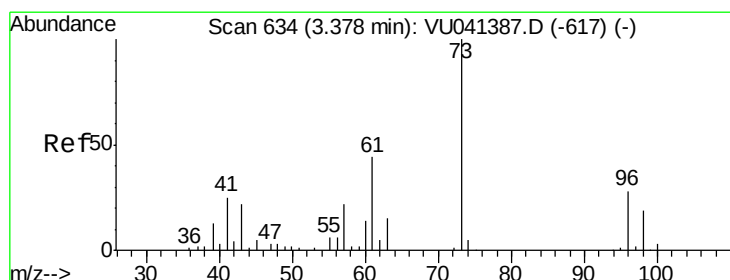
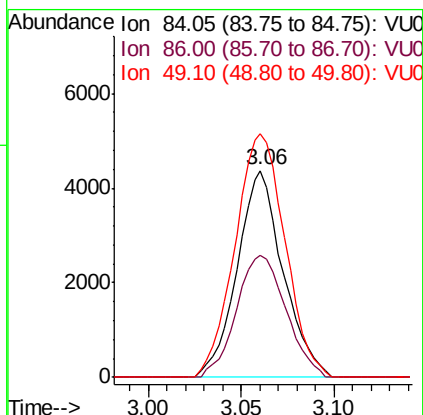
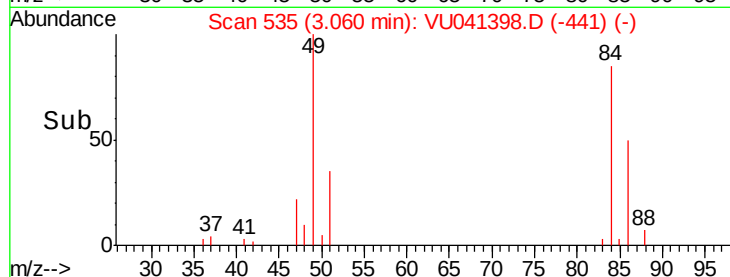
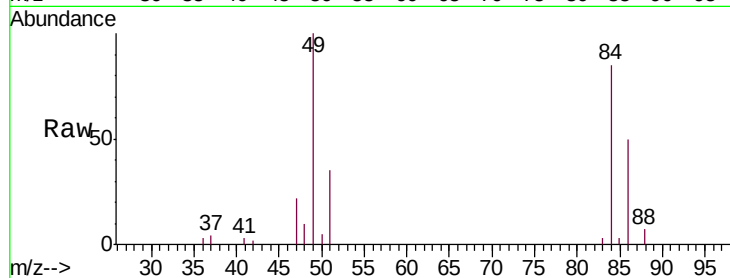
Tgt Ion: 84 Resp: 7493

Ion Ratio Lower Upper

84 100

86 59.1 44.4 82.5

49 117.8 89.9 167.0



#17

Methyl tert-butyl Ether

Concen: 0.310 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

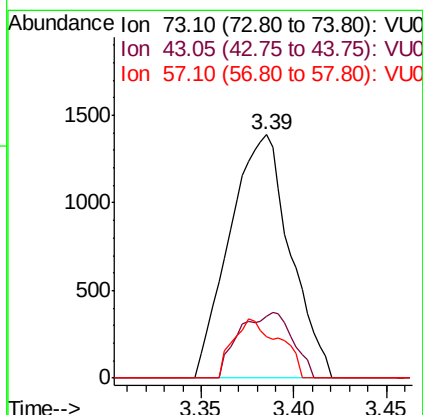
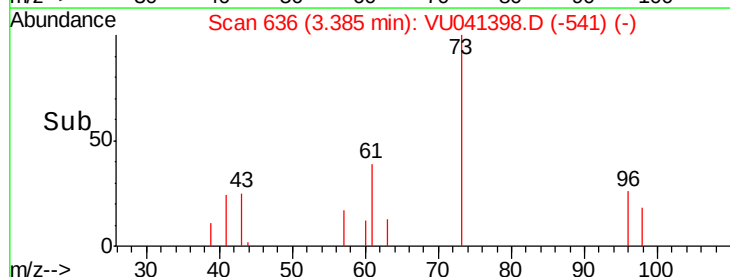
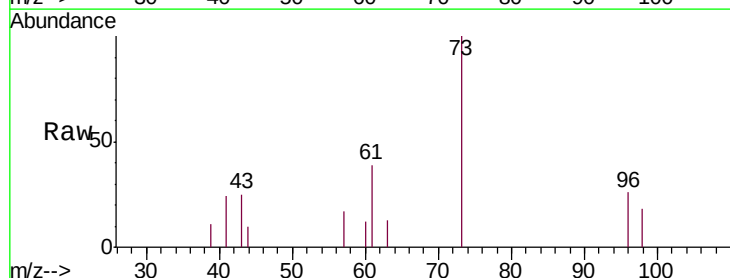
Tgt Ion: 73 Resp: 3152

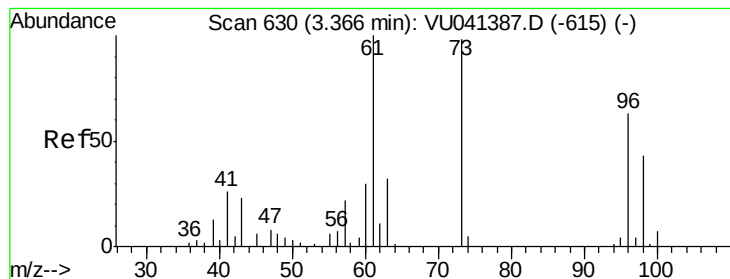
Ion Ratio Lower Upper

73 100

43 23.8 18.3 27.5

57 18.5 17.7 26.5





#18

trans-1,2-Dichloroethene

Concen: 0.311 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

H4412DL

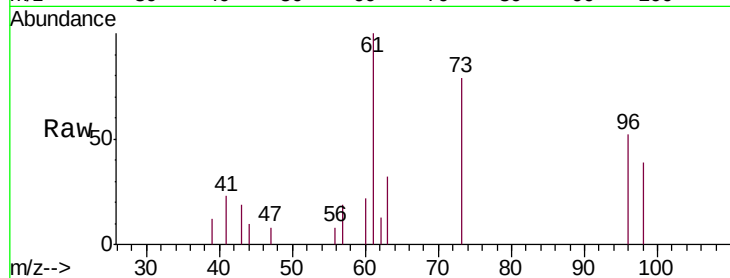
Tgt Ion: 96 Resp: 1374

Ion Ratio Lower Upper

96 100

61 190.6 103.7 192.5

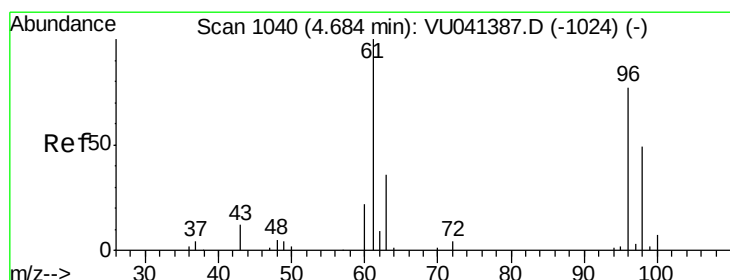
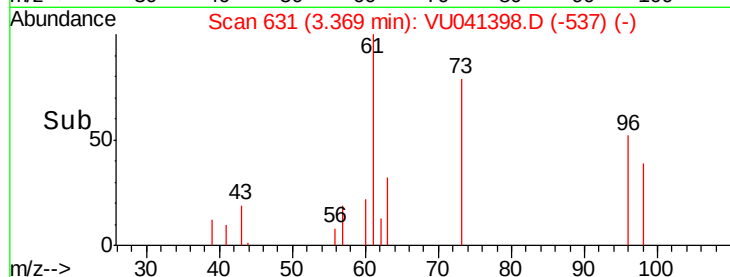
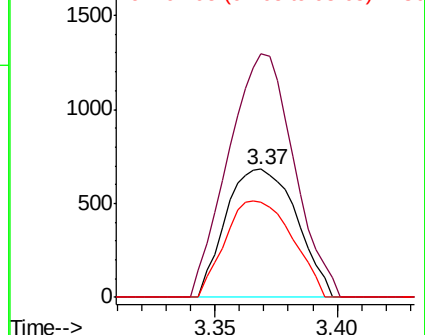
98 74.1 47.5 88.3



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



#22

cis-1,2-Dichloroethene

Concen: 6.044 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

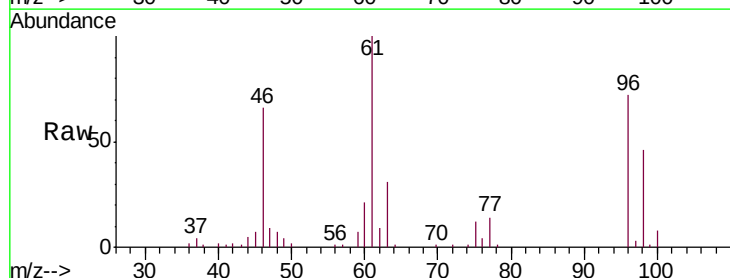
Tgt Ion: 96 Resp: 28442

Ion Ratio Lower Upper

96 100

61 138.1 95.3 176.9

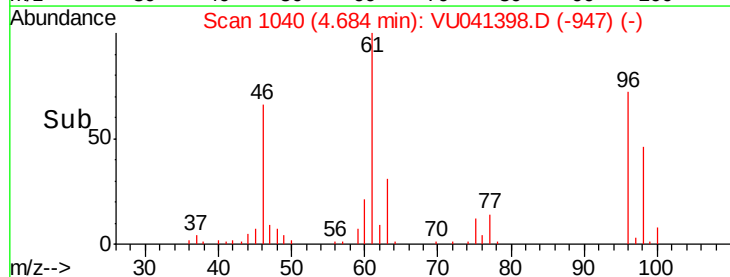
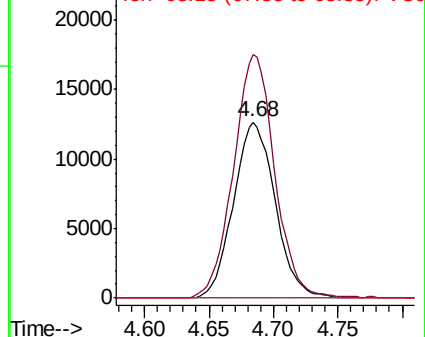
68 0.0 0.0 0.0

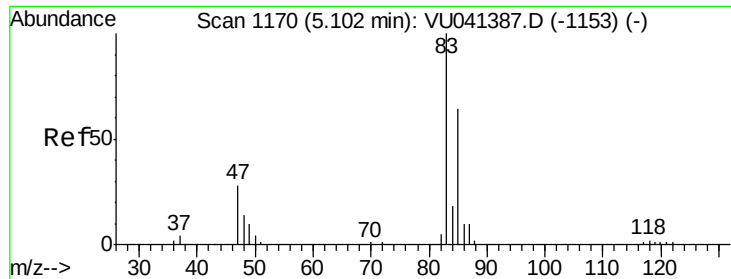


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

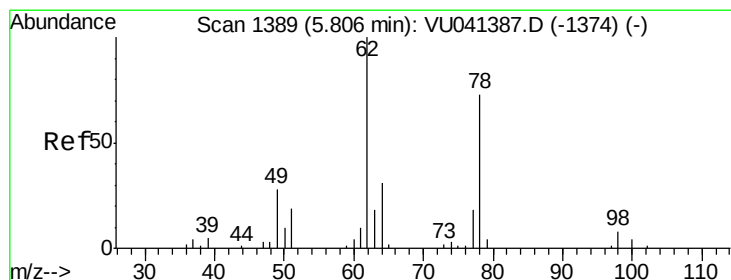
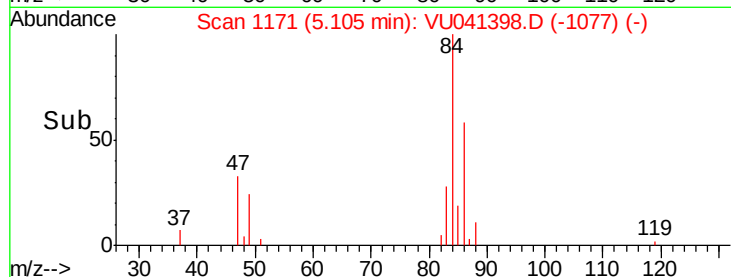
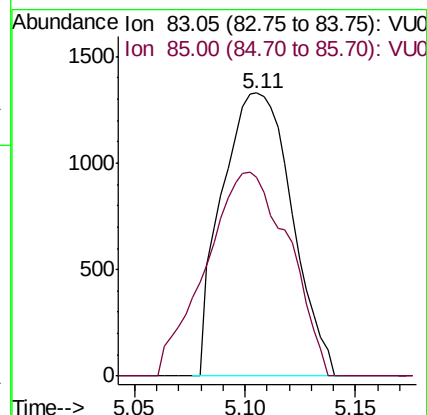
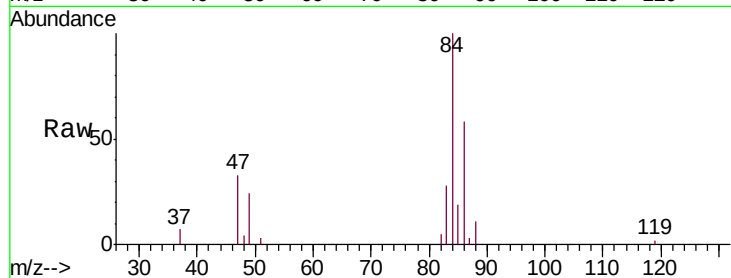




#25
Chloroform
Concen: 0.302 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041398.D
Acq: 23 Nov 2020 19:27

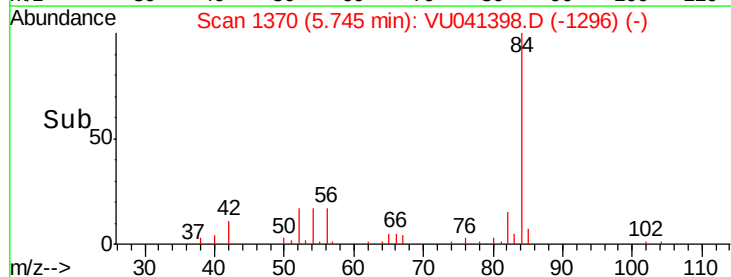
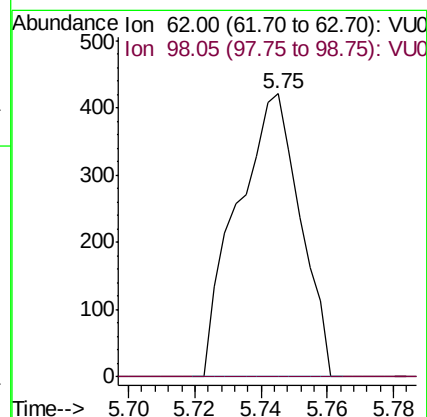
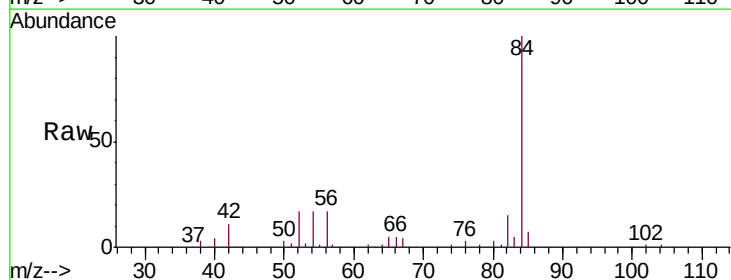
Instrument :
MSVOA_U
ClientSampled :
H4412DL

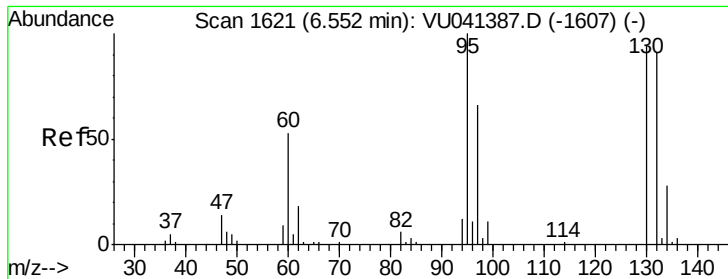
Tgt Ion: 83 Resp: 2919
Ion Ratio Lower Upper
83 100
85 70.4 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.088 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041398.D
Acq: 23 Nov 2020 19:27

Tgt Ion: 62 Resp: 555
Ion Ratio Lower Upper
62 100
98 0.0 6.0 9.0#





#34

Trichloroethene

Concen: 0.229 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

H4412DL

Tgt Ion: 95 Resp: 1150

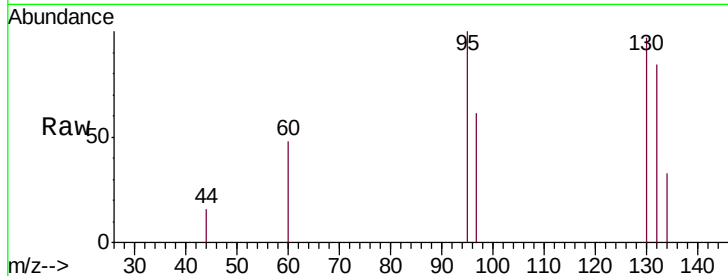
Ion Ratio Lower Upper

95 100

97 61.0 46.5 86.5

132 84.0 60.8 113.0

130 96.9 63.3 117.7

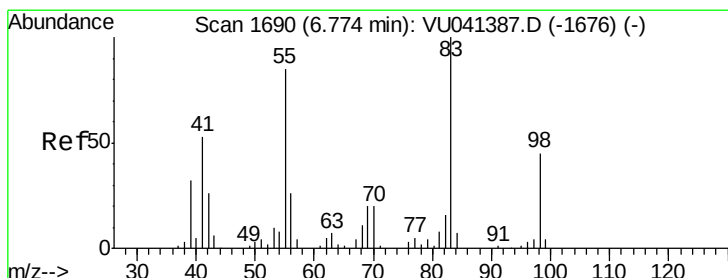
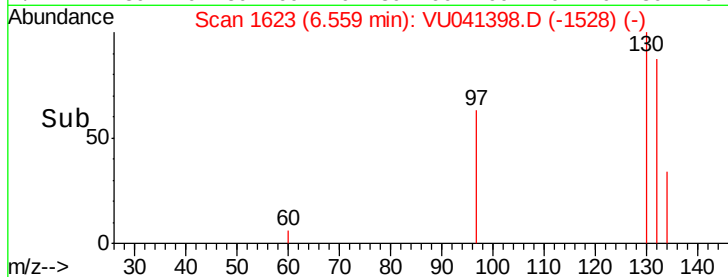
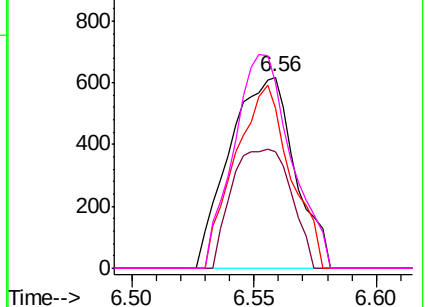


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.869 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

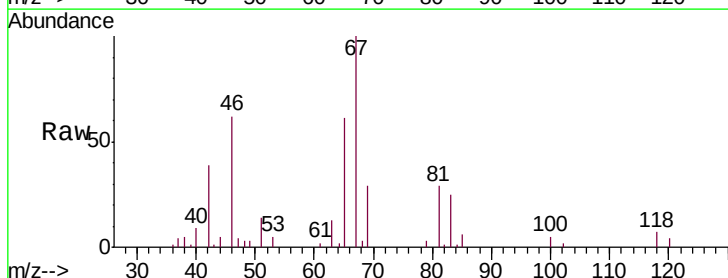
Tgt Ion: 83 Resp: 6371

Ion Ratio Lower Upper

83 100

55 0.0 68.4 102.6#

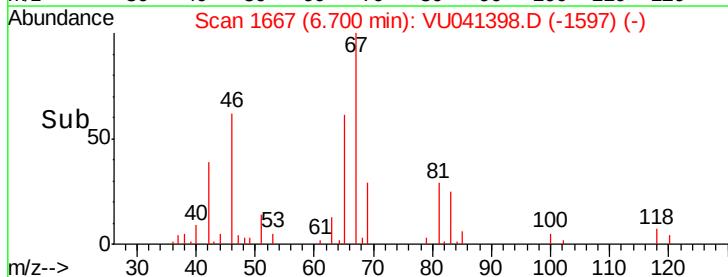
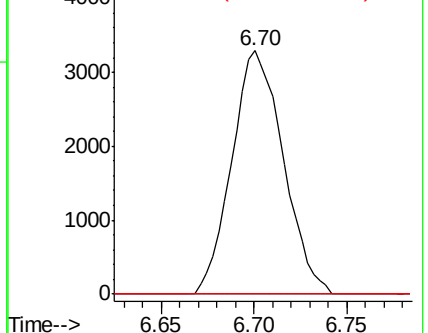
98 0.0 36.5 54.7#

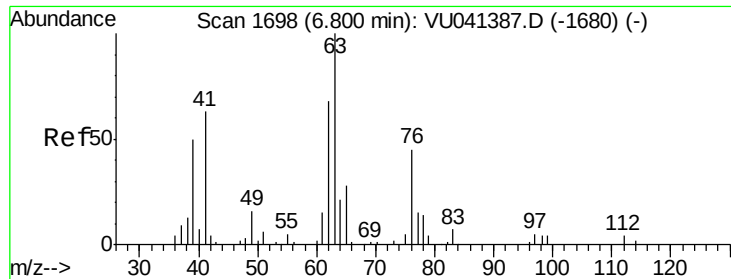


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

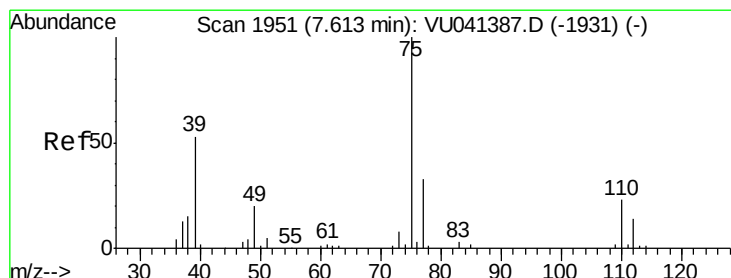
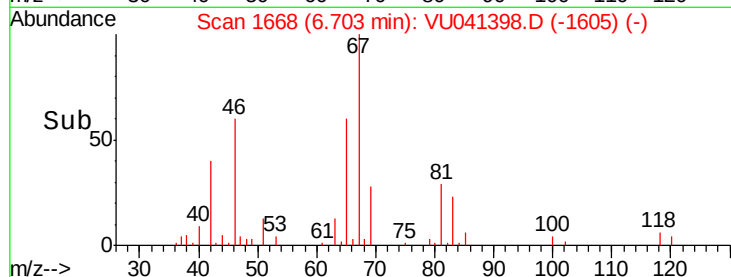
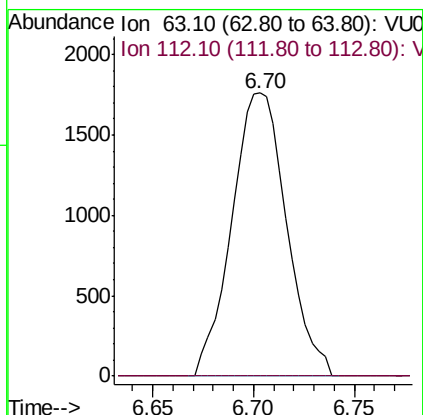
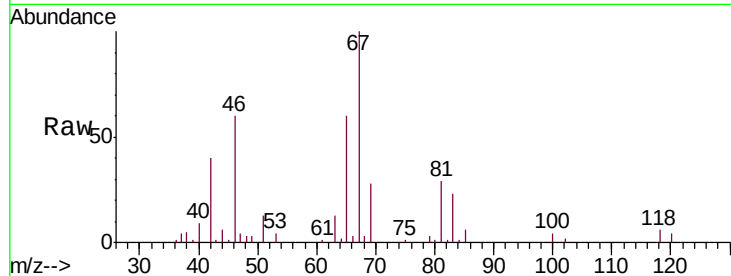




#37
 1,2-Dichloropropane
 Concen: 0.660 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041398.D
 Acq: 23 Nov 2020 19:27

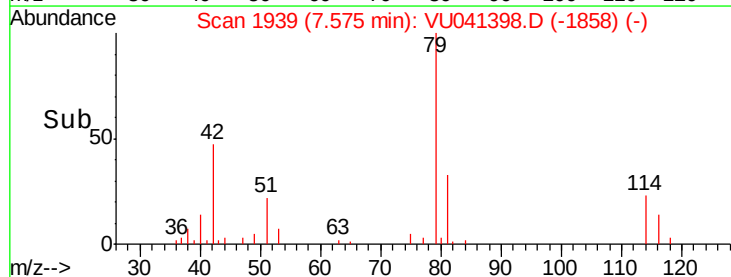
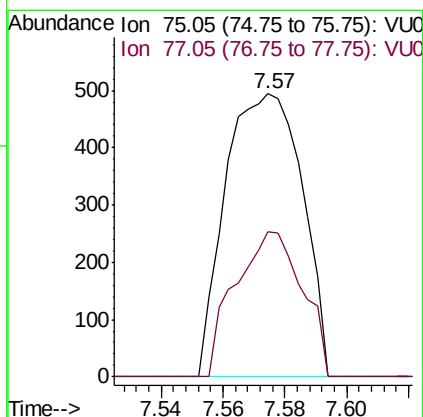
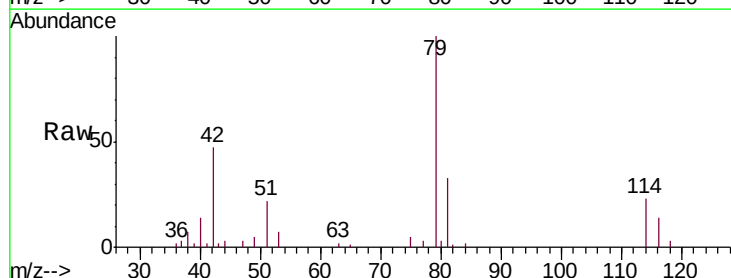
Instrument :
 MSVOA_U
 ClientSampleId :
 H4412DL

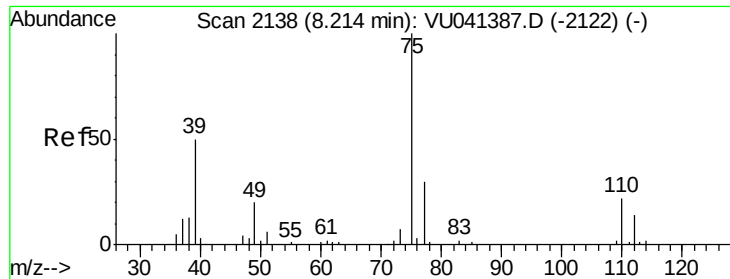
Tgt Ion: 63 Resp: 3340
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 4.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041398.D
 Acq: 23 Nov 2020 19:27

Tgt Ion: 75 Resp: 852
 Ion Ratio Lower Upper
 75 100
 77 51.2 22.1 41.1#

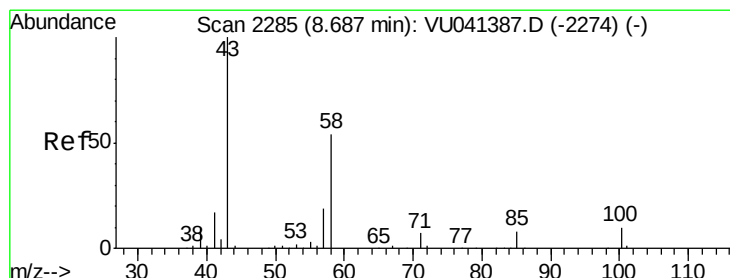
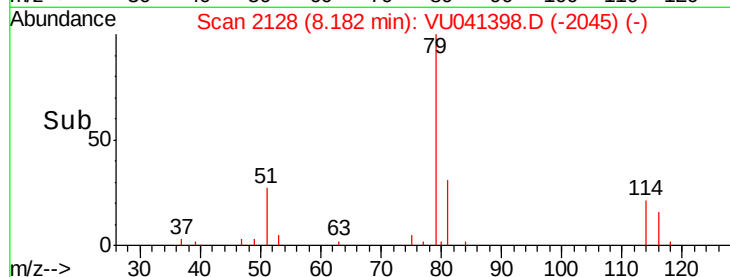
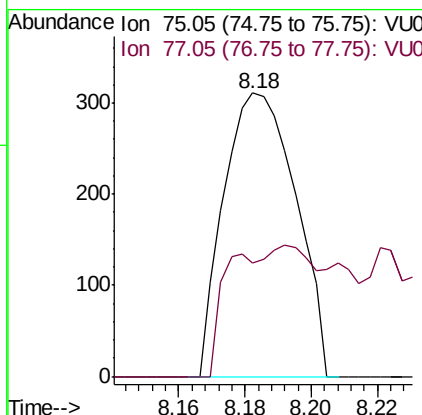
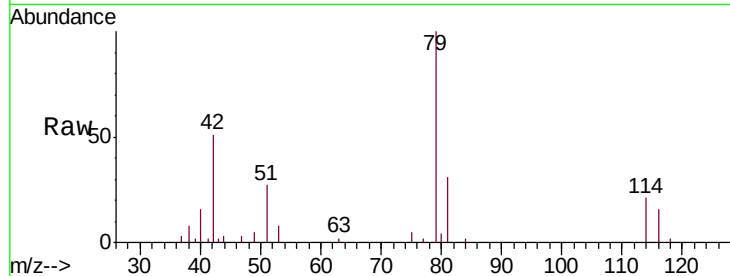




#44
trans-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041398.D
Acq: 23 Nov 2020 19:27

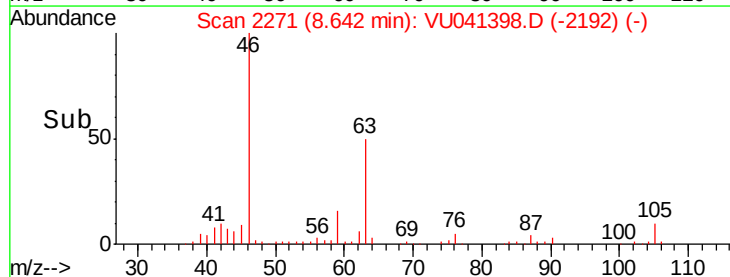
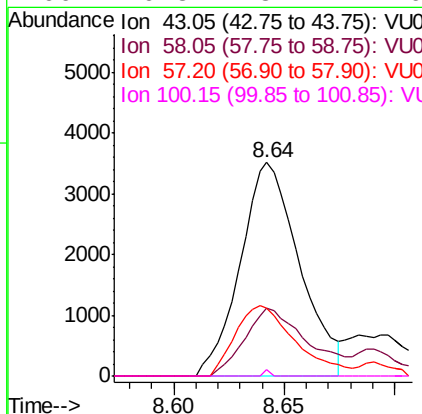
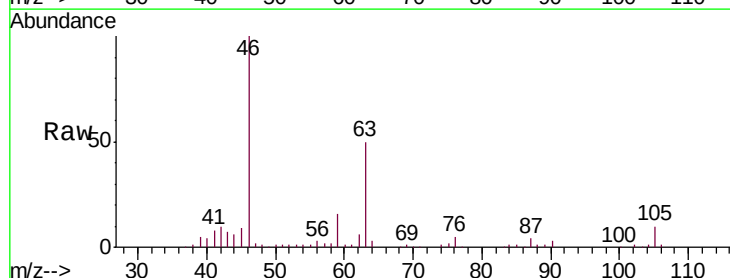
Instrument :
MSVOA_U
ClientSampled :
H4412DL

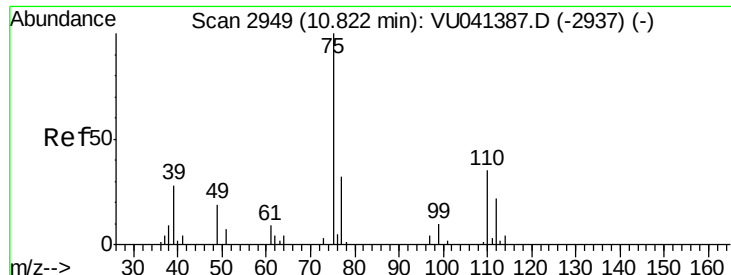
Tgt Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
77 40.2 21.7 40.3



#48
2-Hexanone
Concen: 2.873 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.04 min
Lab File: VU041398.D
Acq: 23 Nov 2020 19:27

Tgt Ion: 43 Resp: 6546
Ion Ratio Lower Upper
43 100
58 34.5 42.0 63.0#
57 33.8 15.0 22.4#
100 0.3 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 1.112 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041398.D

Acq: 23 Nov 2020 19:27

Instrument :

MSVOA_U

ClientSampleId :

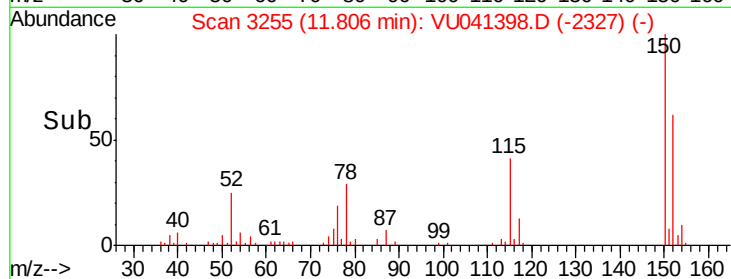
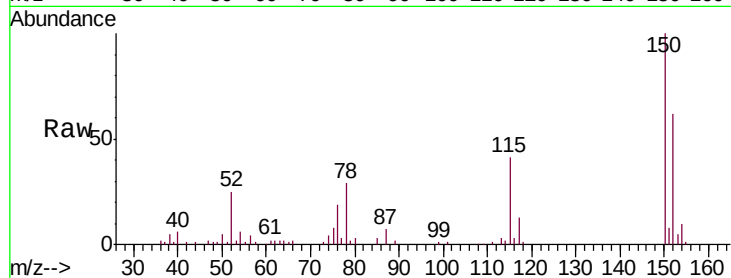
H4412DL

Tgt Ion: 75 Resp: 3676

Ion Ratio Lower Upper

75 100

77 38.0 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

