

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041348.D
 Acq On : 19 Nov 2020 17:13
 Operator : SY/MD
 Sample : L4790-06DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4398DL

Quant Time: Nov 20 05:58:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.37	114	63051	5.00	ug/L	0.11
28) Chlorobenzene-d5	9.45	117	63584	5.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.82	152	25983	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.68	65	18678	4.03	ug/L	0.08
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	2.02	69	17638	4.45	ug/L	0.10
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.69	63	32018	3.34	ug/L	0.11
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.85	46	61884	32.36	ug/L	0.19
Spiked Amount	50.000	Range	40 - 130	Recovery	=	64.72%
24) Chloroform-d	5.18	84	52704	5.25	ug/L	0.10
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.84	65	33227	5.08	ug/L	0.13
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.86	84	91724	5.35	ug/L	0.13
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.80	67	32197	5.45	ug/L	0.10
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.96	98	74390	4.61	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.23	79	11627	4.57	ug/L	0.05
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.68	63	51291	37.77	ug/L	0.05
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.54%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	27059	4.72	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	29920	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.69	62	7757	1.417 ug/L #	34
8) Chloroethane	1.96	64	11142	3.067 ug/L #	51
14) Carbon disulfide	3.01	76	3223	0.267 ug/L	96
16) Methylene chloride	3.19	84	1016	0.197 ug/L	97
18) trans-1,2-Dichloroethene	3.49	96	558	0.140 ug/L #	91
22) cis-1,2-Dichloroethene	4.78	96	42163	9.339 ug/L	90
27) 1,2-Dichloroethane	5.87	62	620	0.089 ug/L #	74
33) Benzene	5.87	78	804	0.047 ug/L	100
35) Methylcyclohexane	6.80	83	7935	1.283 ug/L #	14
37) 1,2-Dichloropropane	6.80	63	3897	0.774 ug/L #	86
39) cis-1,3-Dichloropropene	7.64	75	874	0.124 ug/L #	73
42) Toluene	8.03	91	9839	0.534 ug/L	91
44) trans-1,3-Dichloropropene	8.24	75	468	0.070 ug/L #	37
48) 2-Hexanone	8.68	43	8673	2.788 ug/L #	73
52) Ethylbenzene	9.60	91	4736	0.241 ug/L	96
53) m,p-Xylene	9.72	106	2681	0.377 ug/L	97
54) o-Xylene	10.12	106	1681	0.246 ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration

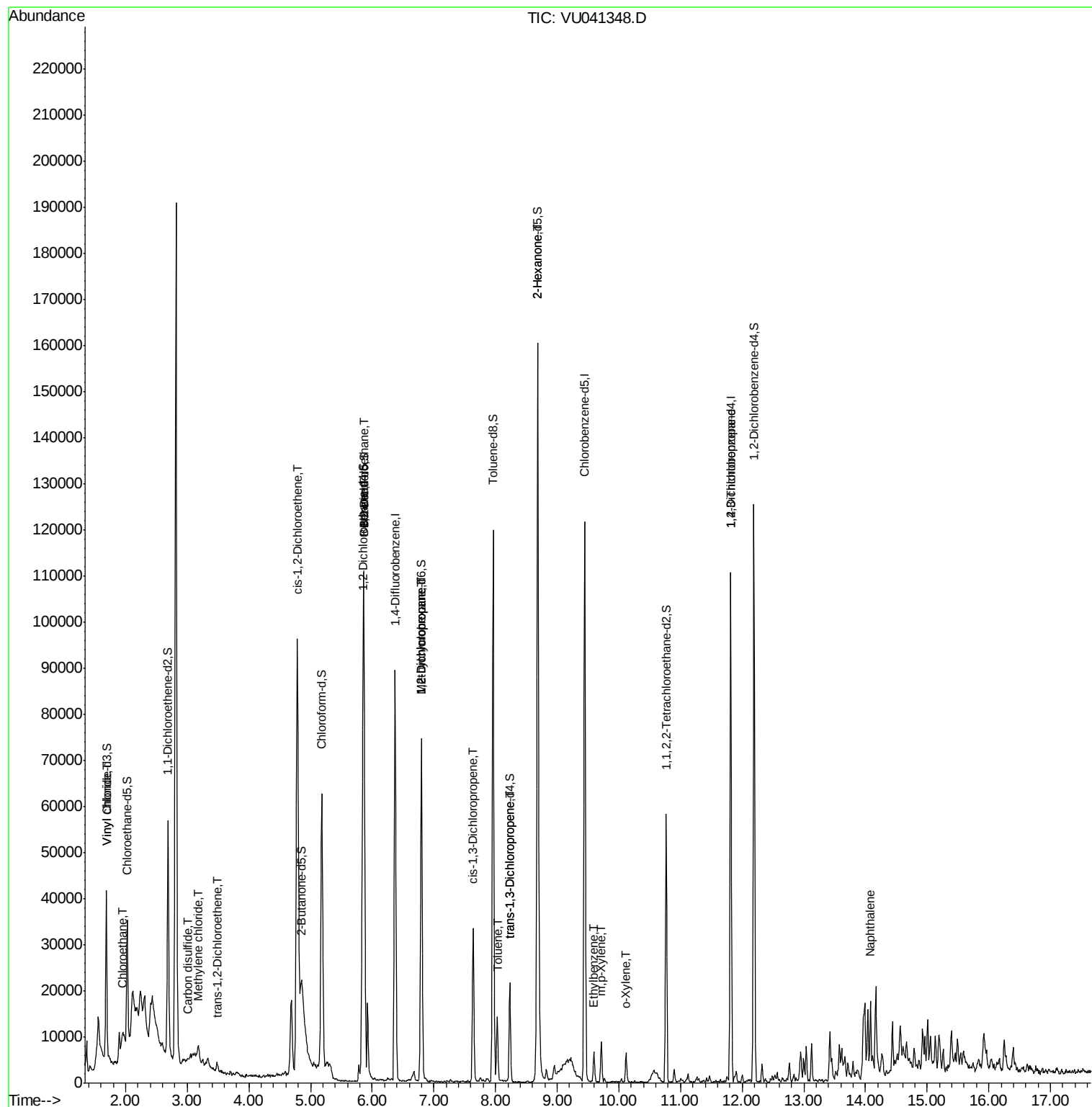
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3703	0.932	ug/L #	88
69) Naphthalene	14.08	128	1210	0.162	ug/L #	90

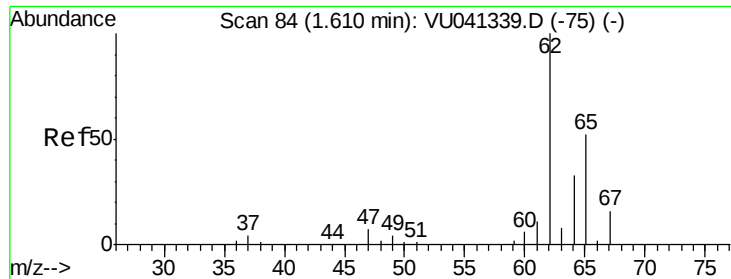
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.417 ug/L

RT: 1.69 min Scan# 109

Delta R.T. 0.08 min

Lab File: VU041348.D

Acq: 19 Nov 2020 17:13

Instrument :

MSVOA_U

ClientSampleID :

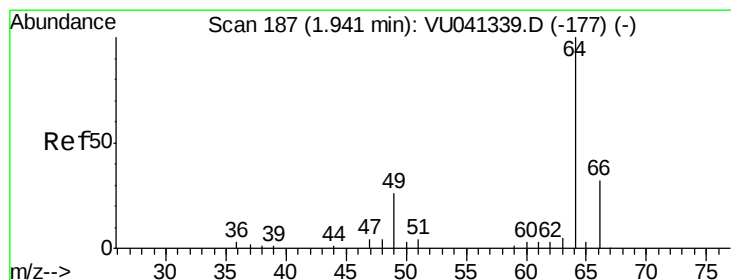
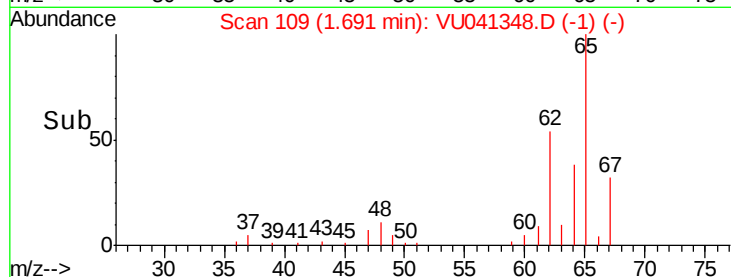
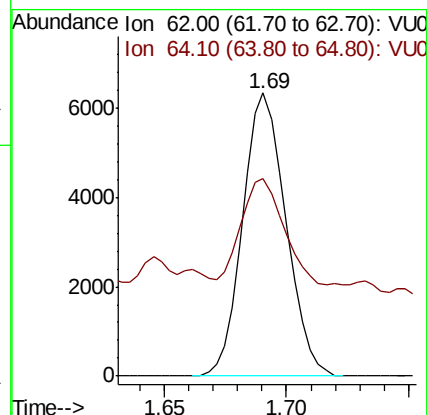
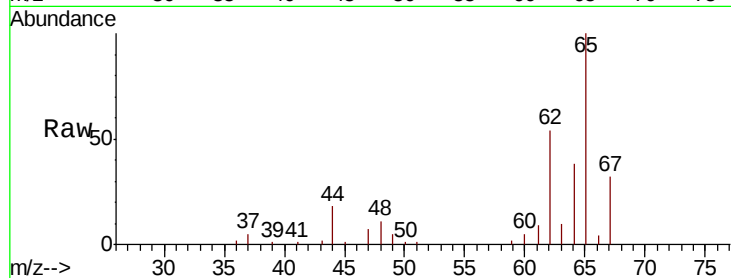
H4398DL

Tot Ion: 62 Resp: 7757

Ion Ratio Lower Upper

62 100

64 69.7 22.7 42.3#



#8

Chloroethane

Concen: 3.067 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.02 min

Lab File: VU041348.D

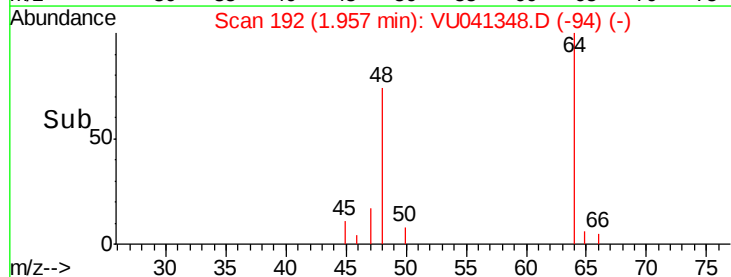
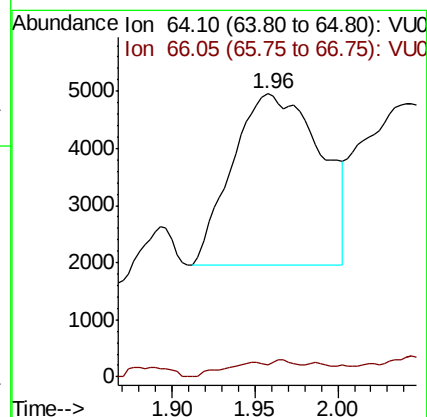
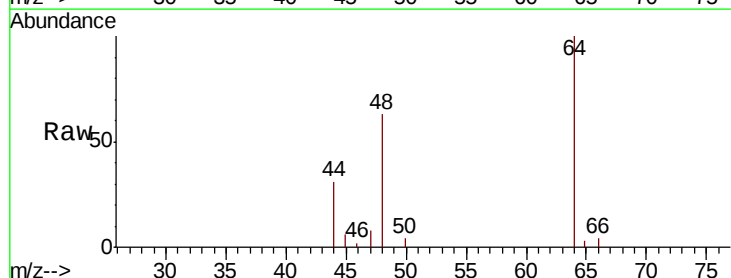
Acq: 19 Nov 2020 17:13

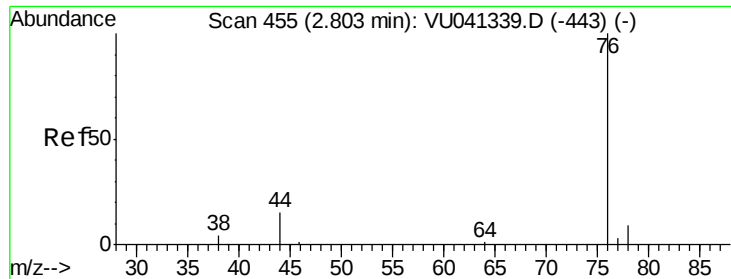
Tgt Ion: 64 Resp: 11142

Ion Ratio Lower Upper

64 100

66 4.4 22.3 41.5#





#14

Carbon disulfide

Concen: 0.267 ug/L

RT: 3.01 min Scan# 518

Delta R.T. 0.20 min

Lab File: VU041348.D

Acq: 19 Nov 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

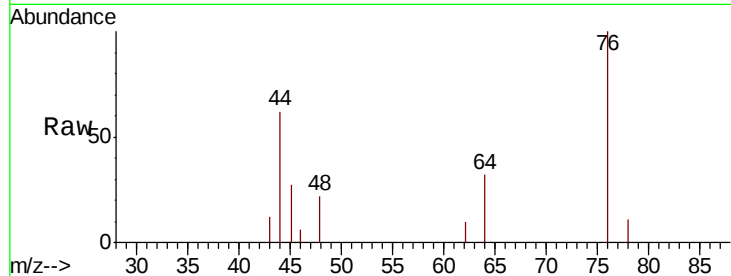
H4398DL

Tot Ion: 76 Resp: 3223

Ion Ratio Lower Upper

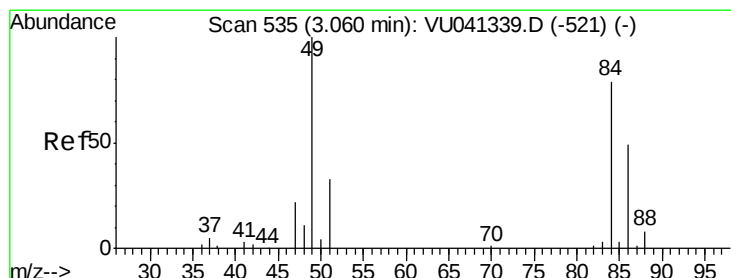
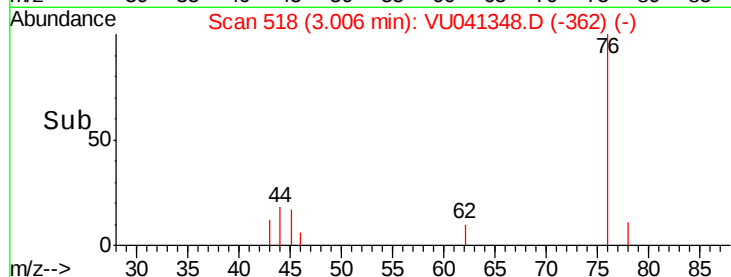
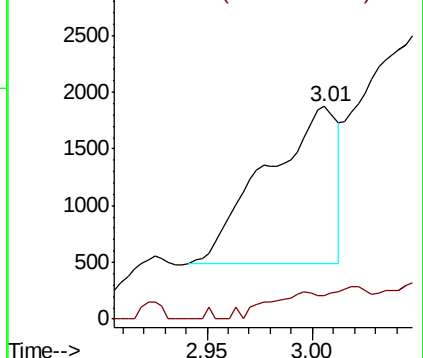
76 100

78 10.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#16

Methylene chloride

Concen: 0.197 ug/L

RT: 3.19 min Scan# 574

Delta R.T. 0.13 min

Lab File: VU041348.D

Acq: 19 Nov 2020 17:13

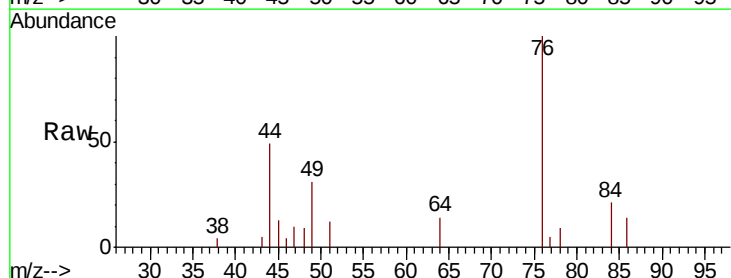
Tgt Ion: 84 Resp: 1016

Ion Ratio Lower Upper

84 100

86 65.1 42.8 79.6

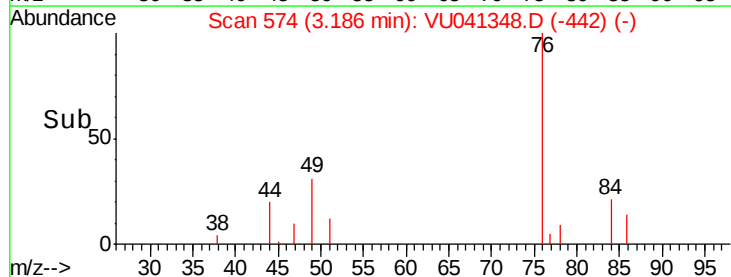
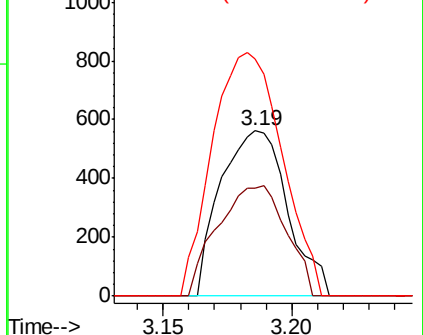
49 143.9 99.5 184.7

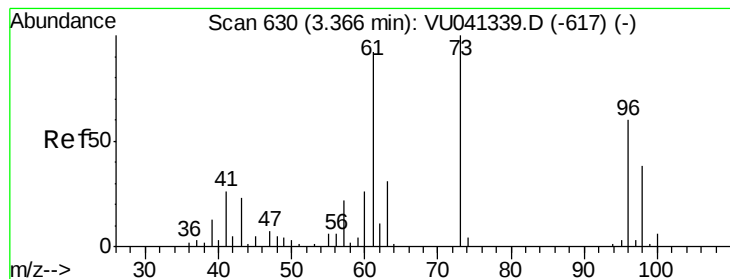


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.140 ug/L

RT: 3.49 min Scan# 668

Delta R.T. 0.12 min

Lab File: VU041348.D

Acq: 19 Nov 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

H4398DL

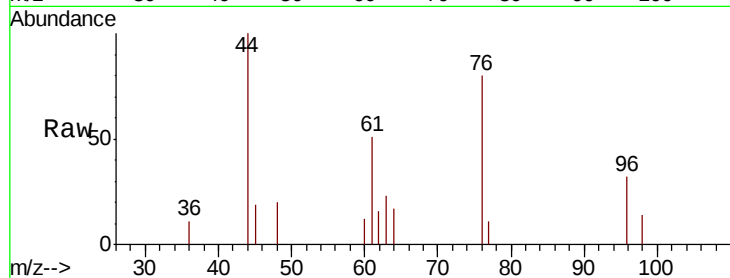
Tot Ion: 96 Resp: 558

Ion Ratio Lower Upper

96 100

61 157.1 110.9 205.9

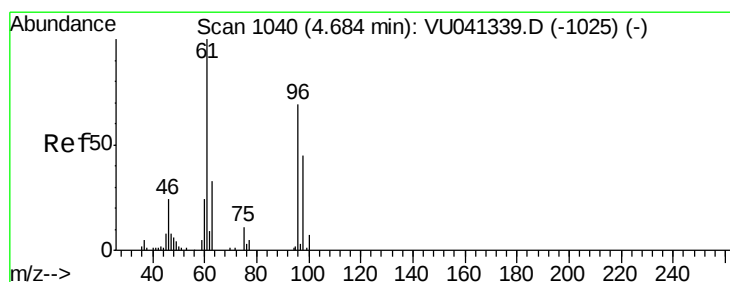
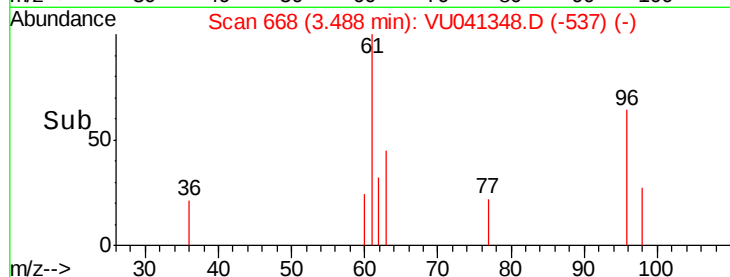
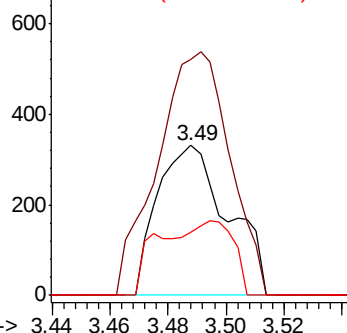
98 42.3 45.4 84.2#



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



#22

cis-1,2-Dichloroethene

Concen: 9.339 ug/L

RT: 4.78 min Scan# 1071

Delta R.T. 0.10 min

Lab File: VU041348.D

Acq: 19 Nov 2020 17:13

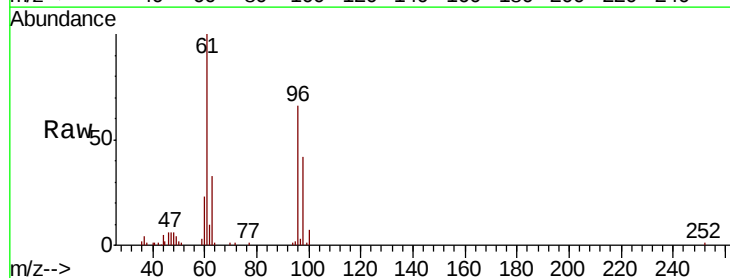
Tgt Ion: 96 Resp: 42163

Ion Ratio Lower Upper

96 100

61 150.9 97.2 180.4

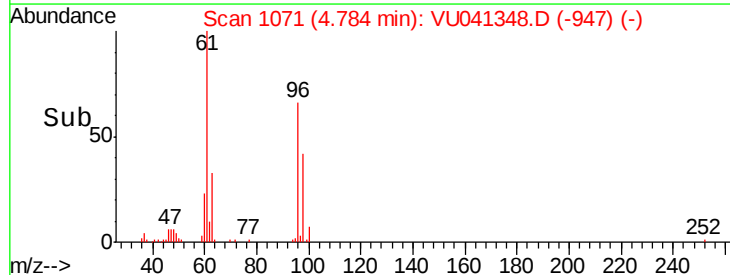
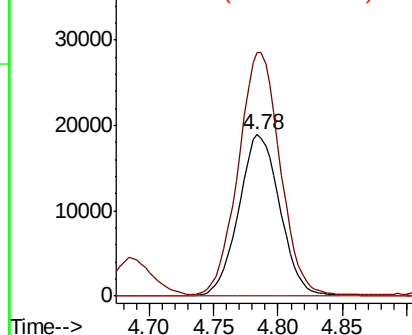
68 0.0 0.0 0.0

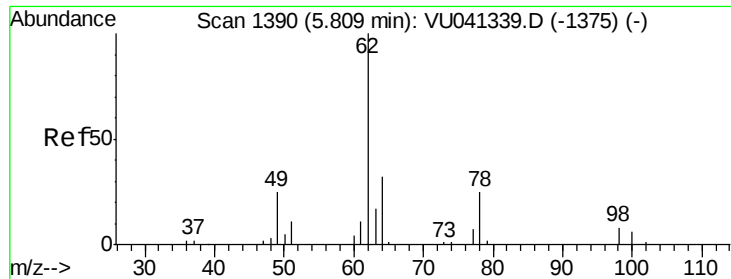


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

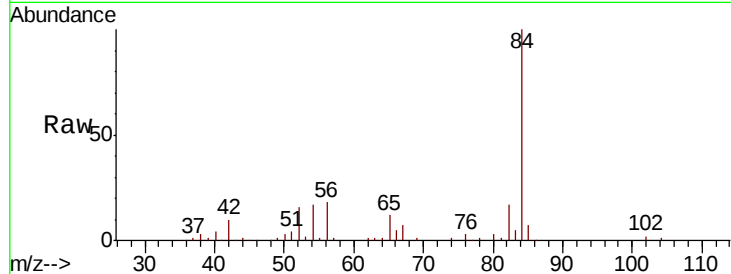




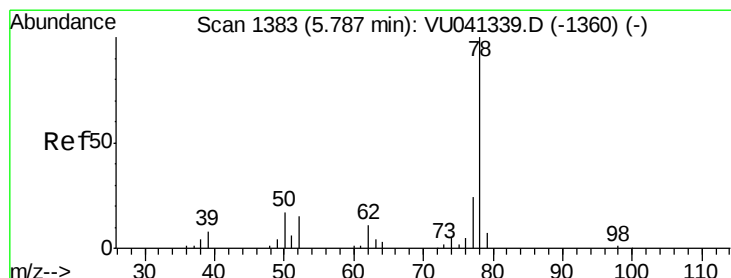
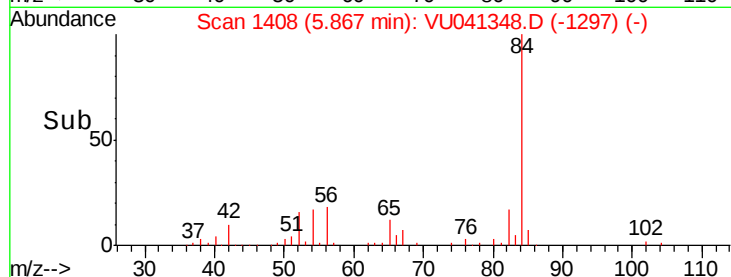
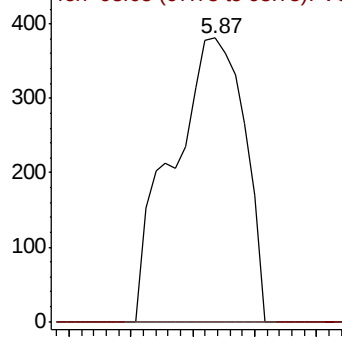
#27
 1,2-Dichloroethane
 Concen: 0.089 ug/L
 RT: 5.87 min Scan# 1408
 Delta R.T. 0.06 min
 Lab File: VU041348.D
 Acq: 19 Nov 2020 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 H4398DL

Tot Ion: 62 Resp: 620
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#

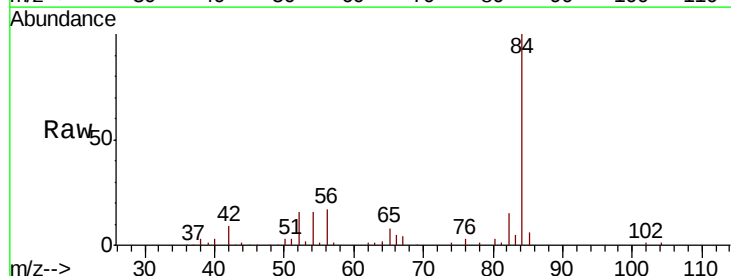


Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0

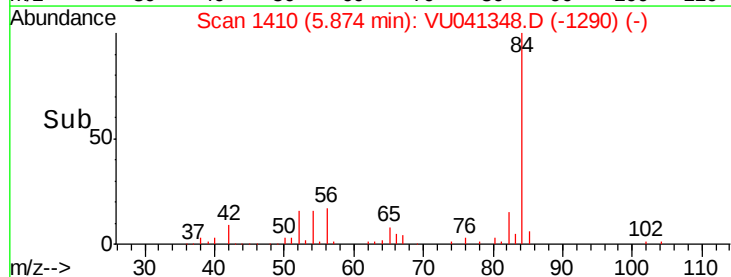
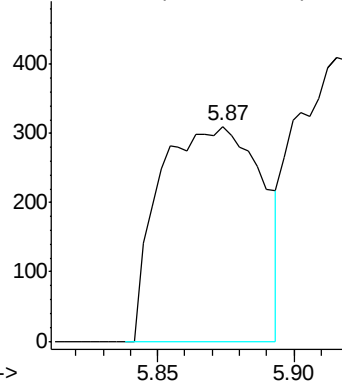


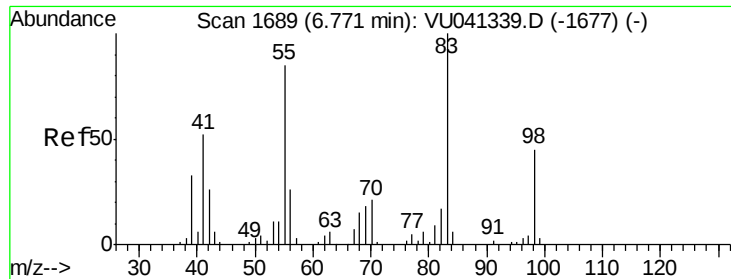
#33
 Benzene
 Concen: 0.047 ug/L
 RT: 5.87 min Scan# 1410
 Delta R.T. 0.09 min
 Lab File: VU041348.D
 Acq: 19 Nov 2020 17:13

Tgt Ion: 78 Resp: 804



Abundance Ion 78.10 (77.80 to 78.80): VU0

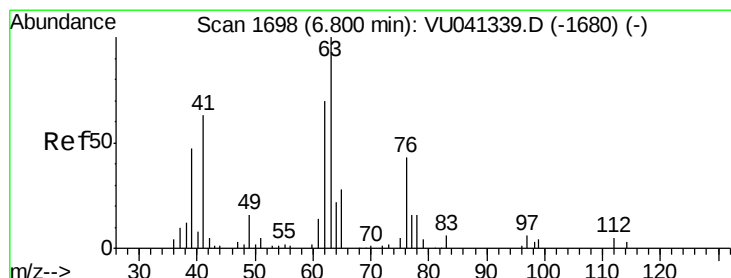
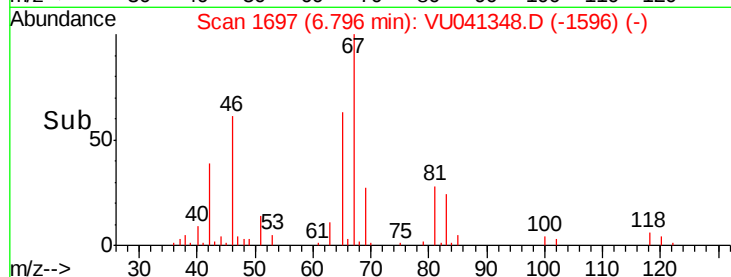
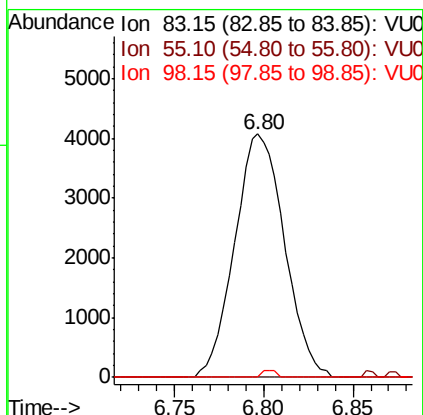
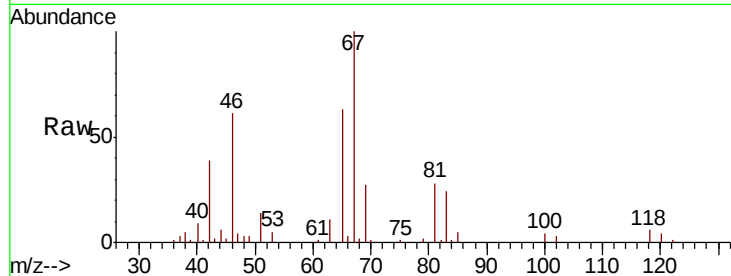




#35
Methvlcvclohexane
Concen: 1.283 ug/L
RT: 6.80 min Scan# 1697
Delta R.T. 0.03 min
Lab File: VU041348.D
Acq: 19 Nov 2020 17:13

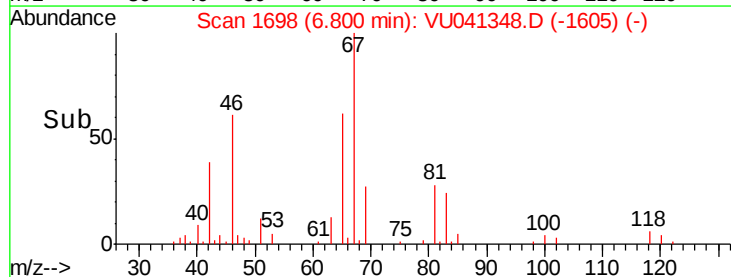
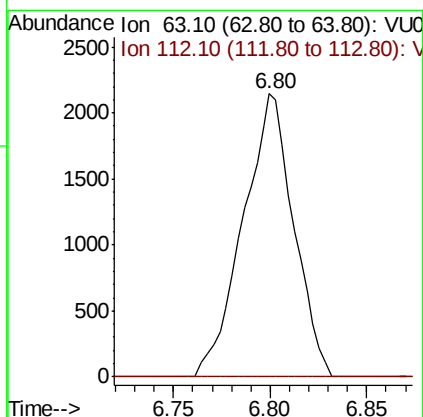
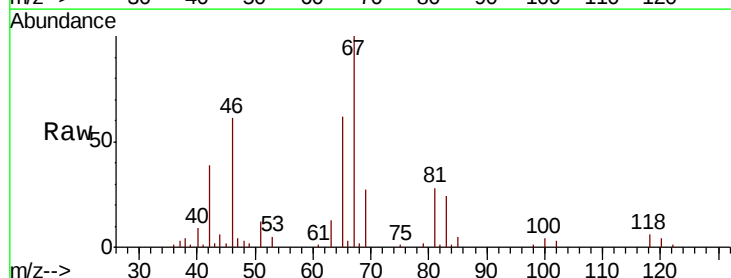
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MSVOA_U
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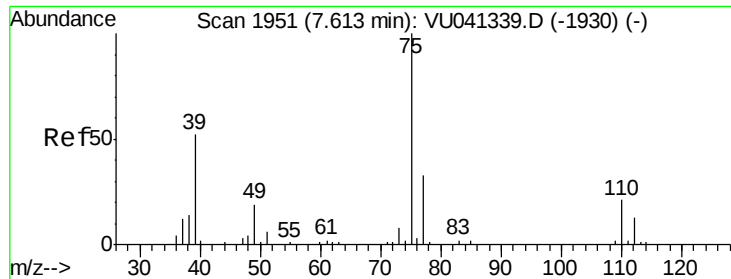
Tot Ion: 83 Resp: 7935
Ion Ratio Lower Upper
83 100
55 0.5 72.0 108.0#
98 0.8 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.774 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU041348.D
Acq: 19 Nov 2020 17:13

Tgt Ion: 63 Resp: 3897
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

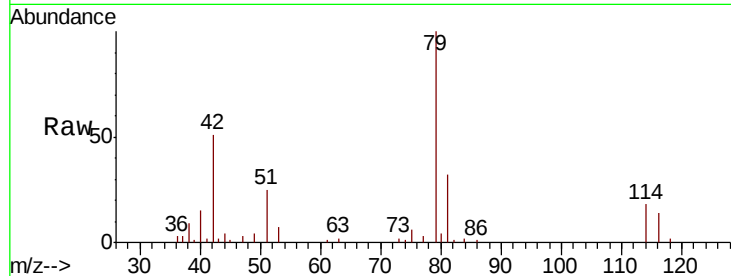




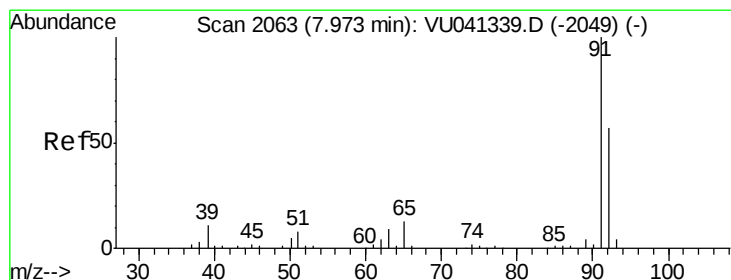
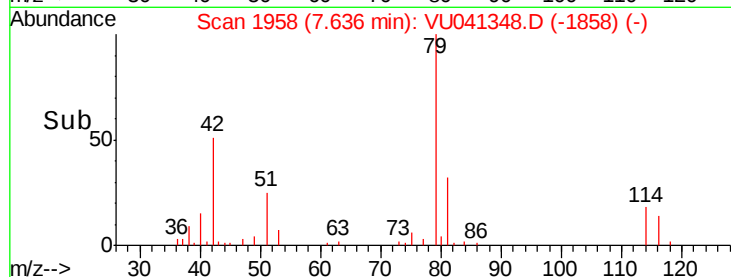
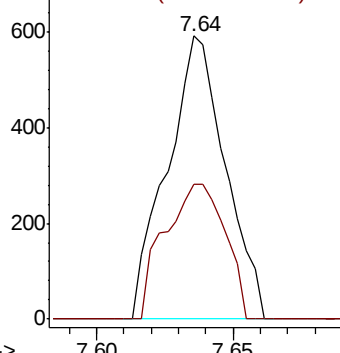
#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.02 min
 Lab File: VU041348.D
 Acq: 19 Nov 2020 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 H4398DL

Tot Ion: 75 Resp: 874
 Ion Ratio Lower Upper
 75 100
 77 47.6 22.7 42.3#

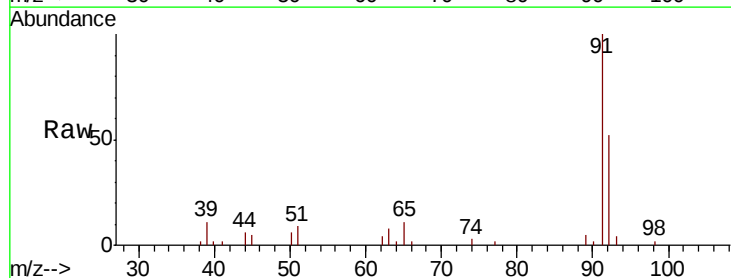


Abundance Ion 75.05 (74.75 to 75.75): VU041339.D (-1930) (-)
 Ion 77.05 (76.75 to 77.75): VU041339.D (-1930) (-)

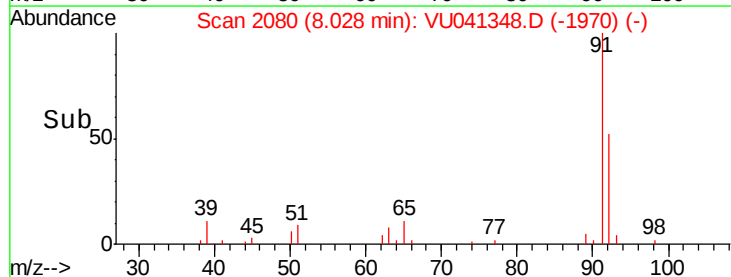
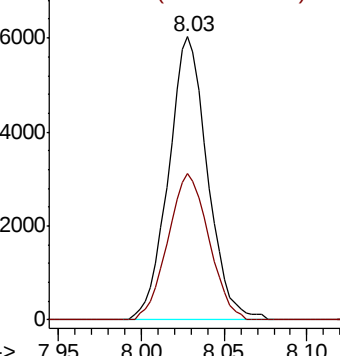


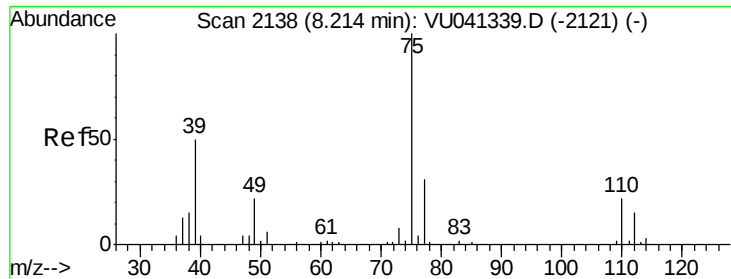
#42
 Toluene
 Concen: 0.534 ug/L
 RT: 8.03 min Scan# 2080
 Delta R.T. 0.05 min
 Lab File: VU041348.D
 Acq: 19 Nov 2020 17:13

Tgt Ion: 91 Resp: 9839
 Ion Ratio Lower Upper
 91 100
 92 51.6 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2049) (-)
 Ion 92.15 (91.85 to 92.85): VU041339.D (-2049) (-)

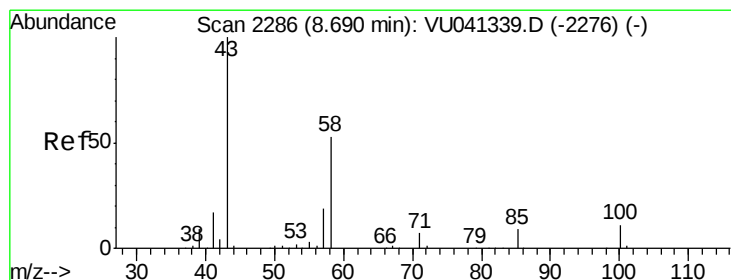
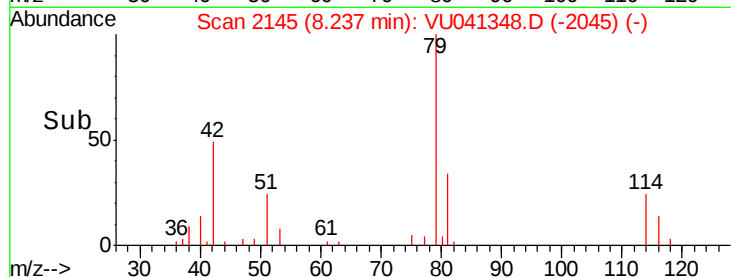
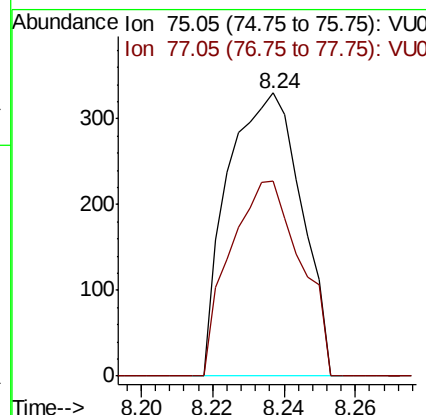
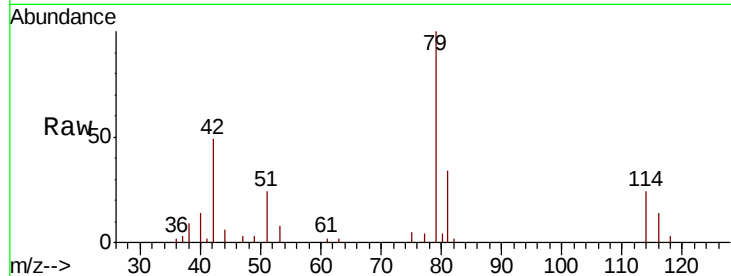




#44
trans-1,3-Dichloropropene
Concen: 0.070 ug/L
RT: 8.24 min Scan# 2145
Delta R.T. 0.02 min
Lab File: VU041348.D
Acq: 19 Nov 2020 17:13

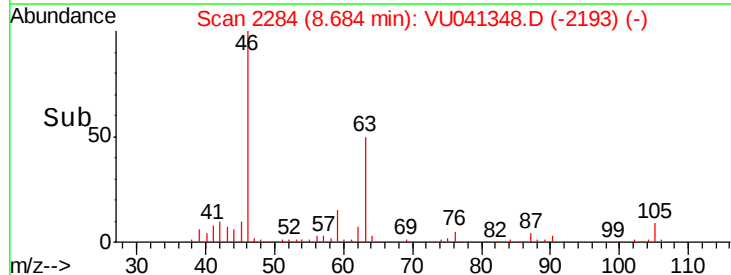
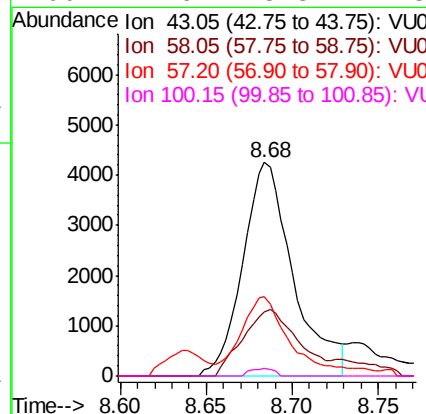
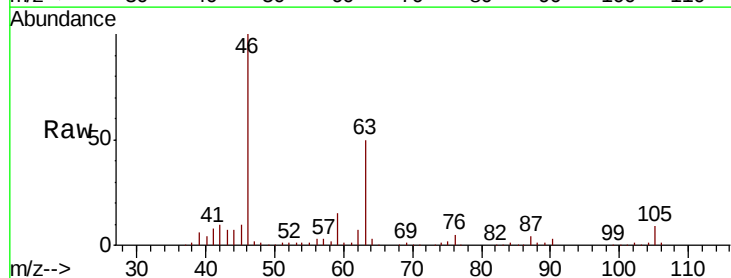
Instrument :
MSVOA_U
ClientSampleId :
H4398DL

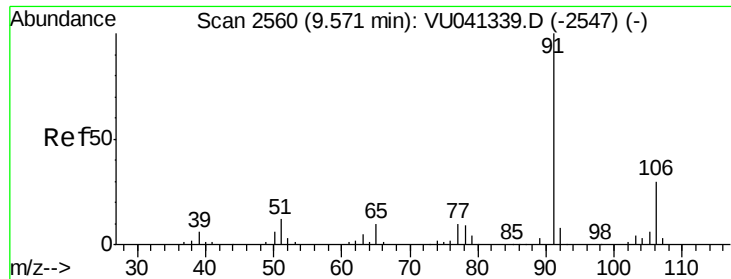
Tot Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
77 69.1 23.3 43.3#



#48
2-Hexanone
Concen: 2.788 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.01 min
Lab File: VU041348.D
Acq: 19 Nov 2020 17:13

Tgt Ion: 43 Resp: 8673
Ion Ratio Lower Upper
43 100
58 34.2 41.4 62.2#
57 33.0 14.6 21.8#
100 1.6 8.3 12.5#





#52

Ethylbenzene

Concen: 0.241 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.03 min

Lab File: VU041348.D

Acq: 19 Nov 2020 17:13

Instrument :

MSVOA_U

ClientSampleID :

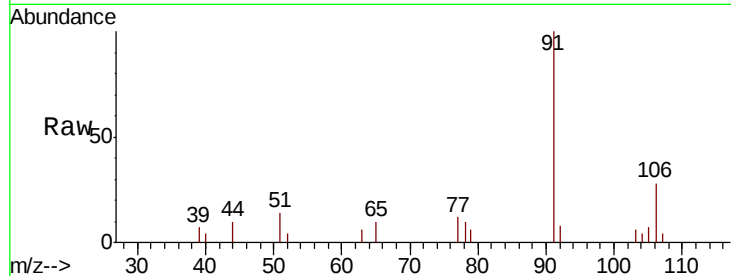
H4398DL

Tot Ion: 91 Resp: 4736

Ion Ratio Lower Upper

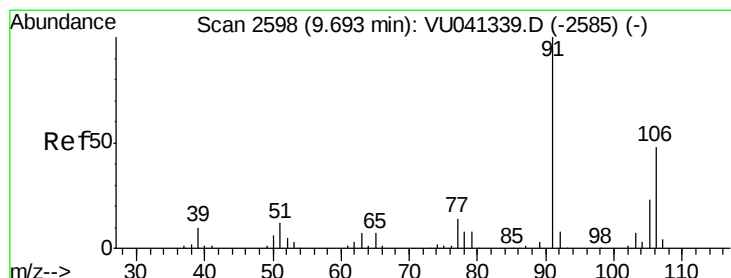
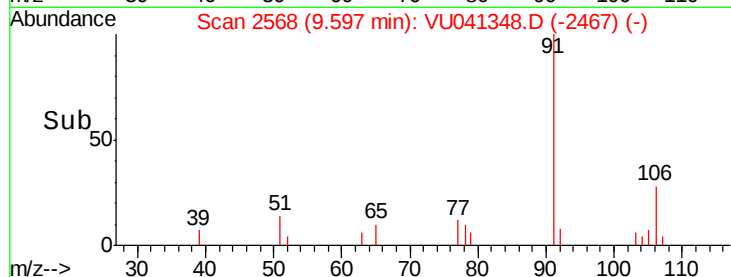
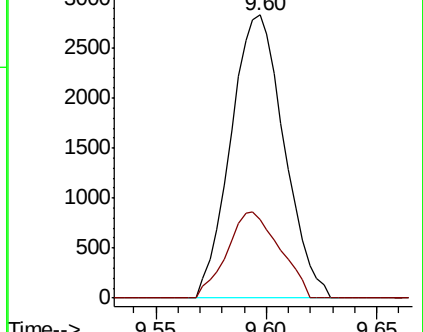
91 100

106 28.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041339.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.377 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.02 min

Lab File: VU041348.D

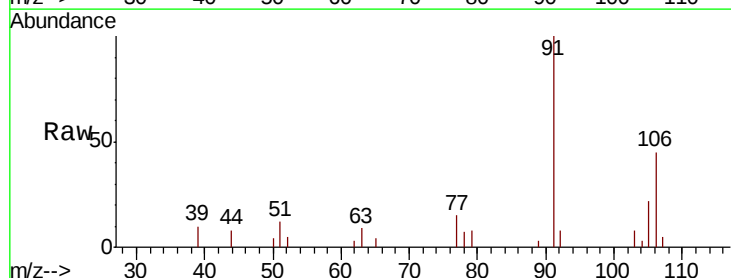
Acq: 19 Nov 2020 17:13

Tgt Ion: 106 Resp: 2681

Ion Ratio Lower Upper

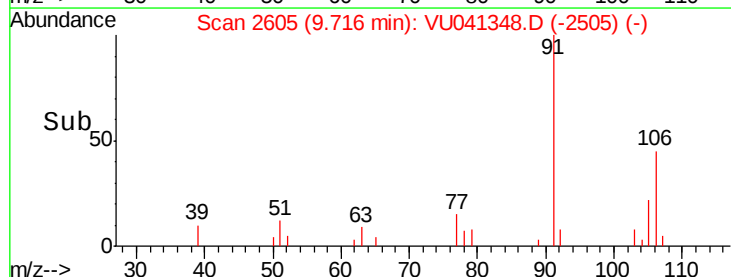
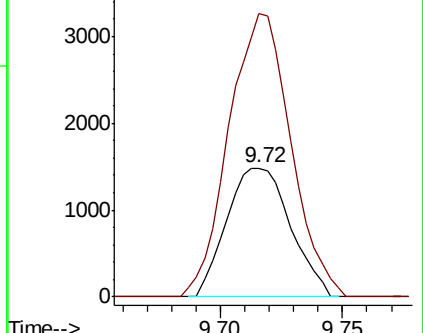
106 100

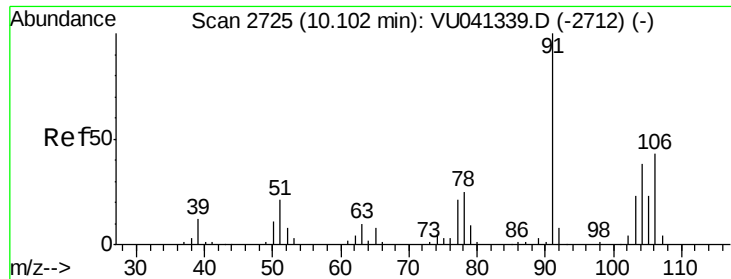
91 220.2 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041339.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041339.D (-2585) (-)

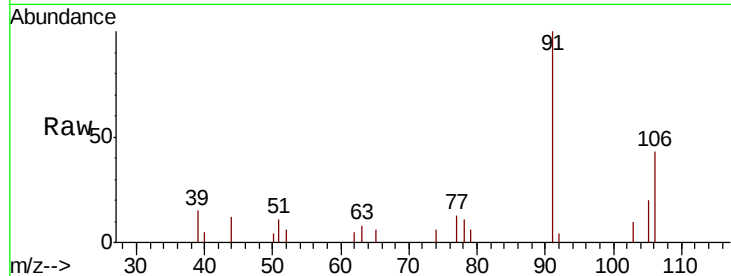




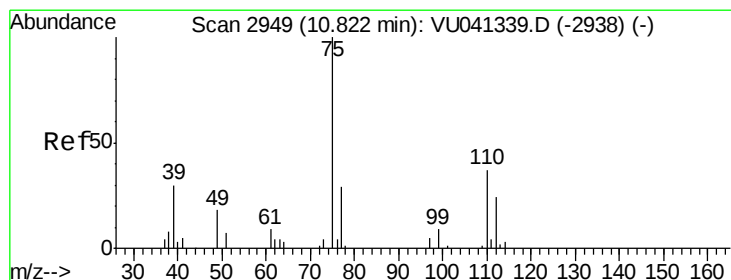
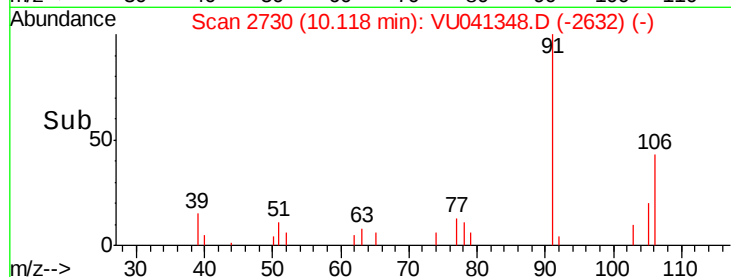
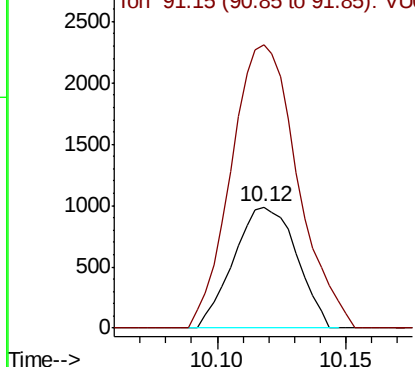
#54
o-Xylene
Concen: 0.246 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.02 min
Lab File: VU041348.D
Acq: 19 Nov 2020 17:13

Instrument :
MSVOA_U
ClientSampled :
H4398DL

Tot Ion:106 Resp: 1681
Ion Ratio Lower Upper
106 100
91 233.4 154.3 286.5

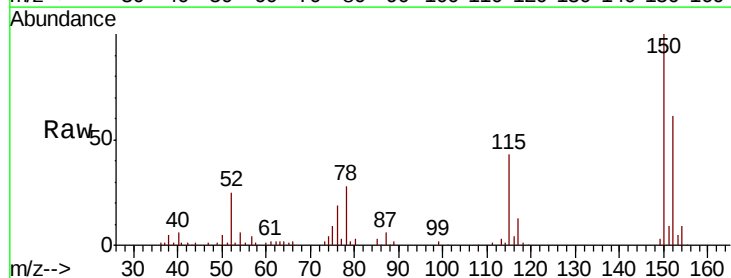


Abundance Ion 106.15 (105.85 to 106.85): VU041348.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU041348.D (-2632) (-)

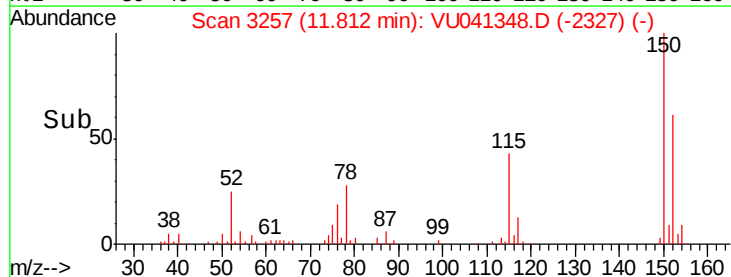
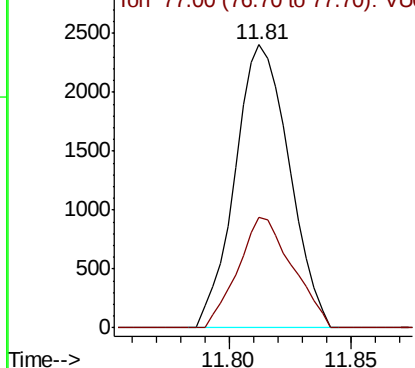


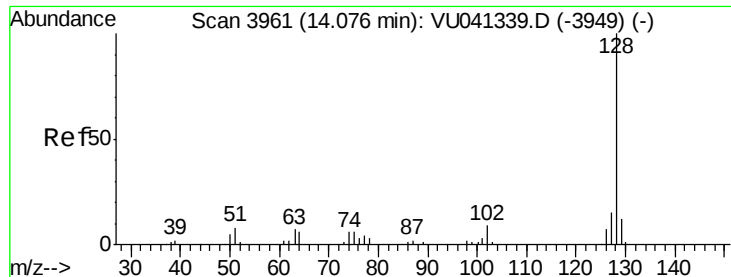
#59
1,2,3-Trichloropropane
Concen: 0.932 ug/L
RT: 11.81 min Scan# 3257
Delta R.T. 0.99 min
Lab File: VU041348.D
Acq: 19 Nov 2020 17:13

Tgt Ion: 75 Resp: 3703
Ion Ratio Lower Upper
75 100
77 39.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU041348.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU041348.D (-2327) (-)





#69

Naphthalene

Concen: 0.162 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041348.D

Acq: 19 Nov 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

H4398DL

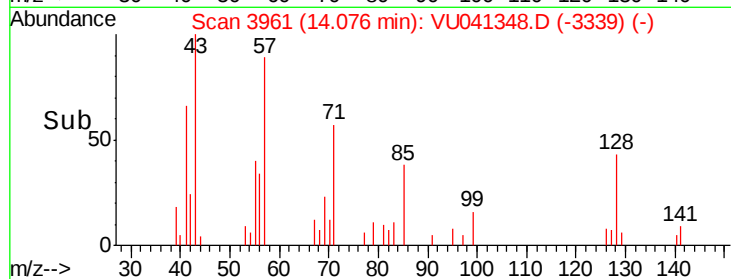
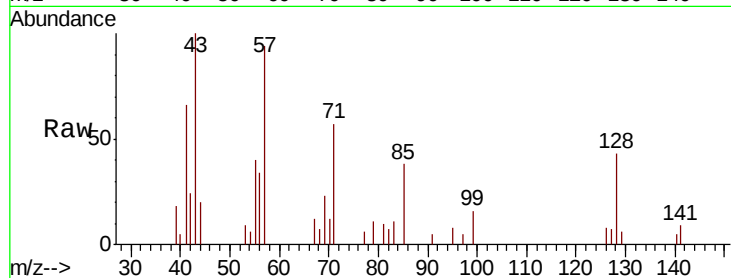
Tot Ion:128 Resp: 1210

Ion Ratio Lower Upper

128 100

129 5.6 8.7 13.1#

127 10.6 10.8 16.2#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

