

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039415.D
 Acq On : 09 Jul 2020 23:57
 Operator : SY/MD
 Sample : L3261-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE502

Quant Time: Jul 10 02:04:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 02:02:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	93917	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85796	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42387	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25062	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.93	69	29031	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.58	63	39663	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	4.66	46	147517	59.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.46%
24) Chloroform-d	5.08	84	63389	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.72	65	41689	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.75	84	122298	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.40%
36) 1,2-Dichloropropane-d6	6.71	67	43059	5.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.60%
41) Toluene-d8	7.91	98	106002	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.40%
43) trans-1,3-Dichloropropene-	8.19	79	17177	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.64	63	108281	56.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.92%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39247	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	43115	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	15552	2.811 ug/L	99
13) Acetone	2.66	43	1673	1.244 ug/L	72
17) Methyl tert-butyl Ether	3.38	73	4071	0.231 ug/L	96
19) 1,1-Dichloroethane	3.90	63	16728	1.383 ug/L #	95
22) cis-1,2-Dichloroethene	4.69	96	1308	0.189 ug/L	93
25) Chloroform	5.11	83	6761	0.553 ug/L	90
29) 1,1,1-Trichloroethane	5.34	97	1006	0.100 ug/L #	87
33) Benzene	5.79	78	26104	1.018 ug/L	100
35) Methylcyclohexane	6.71	83	9269	0.872 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5176	0.740 ug/L #	96
39) cis-1,3-Dichloropropene	7.58	75	1331	0.126 ug/L #	75
42) Toluene	7.98	91	36047	1.312 ug/L	96
47) Tetrachloroethene	8.56	164	915	0.198 ug/L	84
48) 2-Hexanone	8.69	43	5119	1.190 ug/L #	83
49) Dibromochloromethane	8.56	129	857	0.141 ug/L #	10
51) Chlorobenzene	9.45	112	3808	0.227 ug/L	98
52) Ethylbenzene	9.57	91	5360	0.177 ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 10 02:02:00 2020
Response via : Initial Calibration

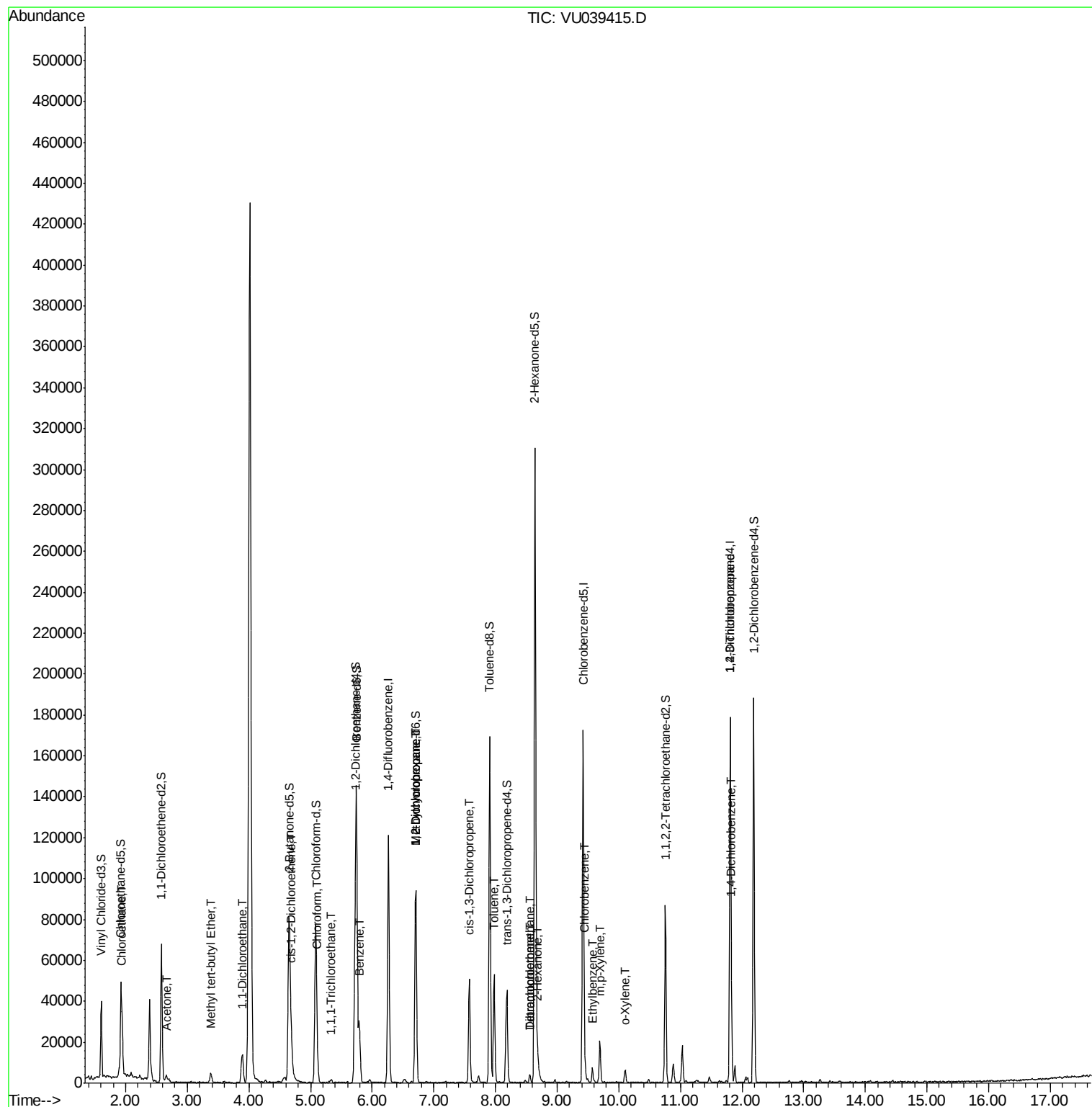
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.70	106	5612	0.491	ug/L	98
54) o-Xylene	10.10	106	1971	0.177	ug/L #	51
59) 1,2,3-Trichloropropane	11.81	75	8681	1.684	ug/L	93
63) 1,4-Dichlorobenzene	11.83	146	4518	0.339	ug/L	88

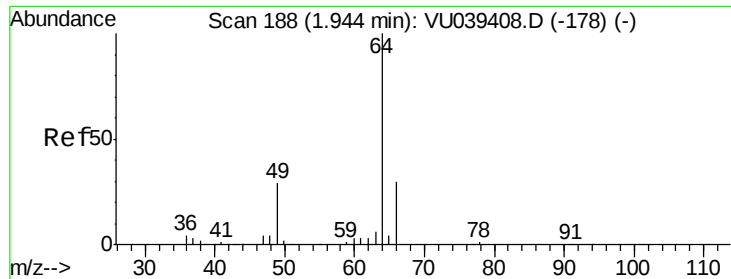
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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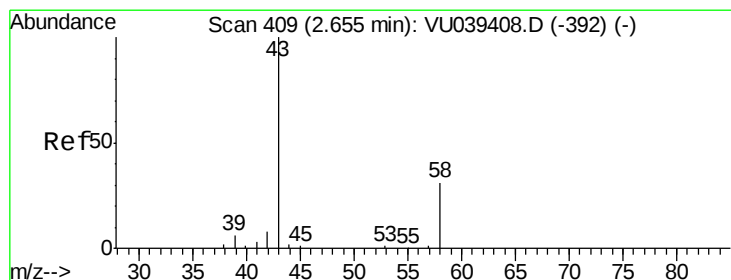
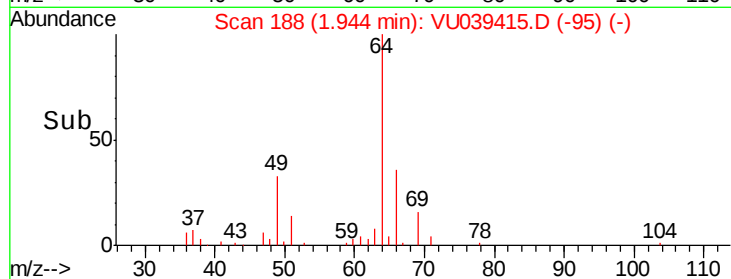
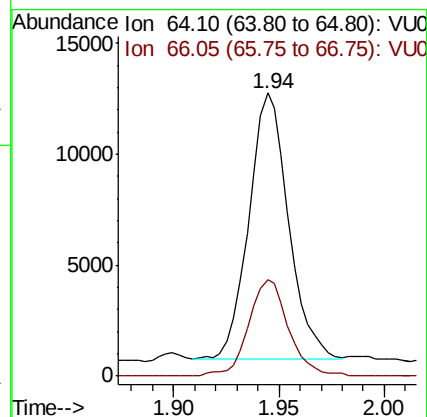
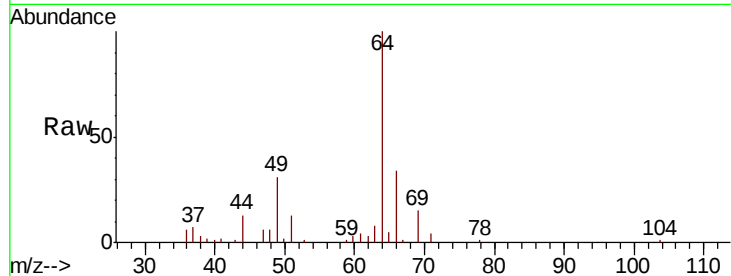




#8
 Chloroethane
 Concen: 2.811 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU039415.D
 Acq: 09 Jul 2020 23:57

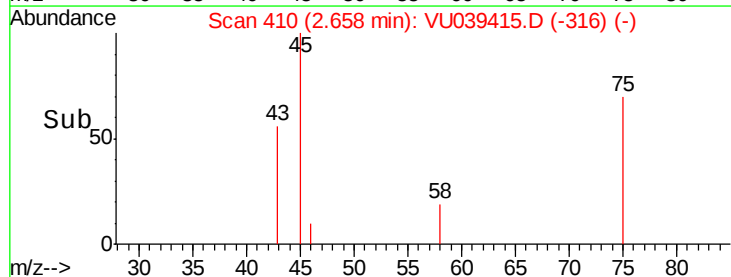
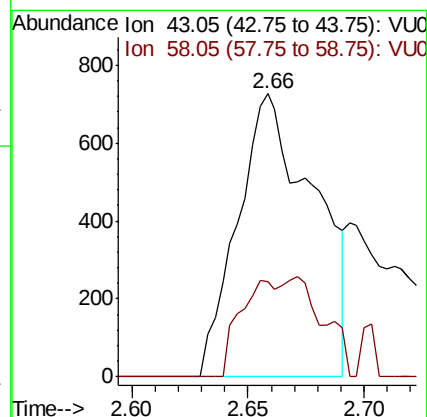
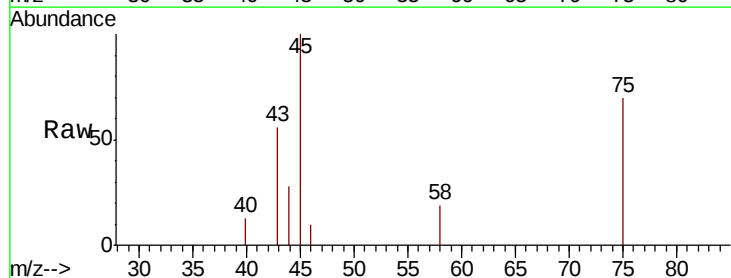
Instrument :
 MSVOA_U
 ClientSampleId :
 BE502

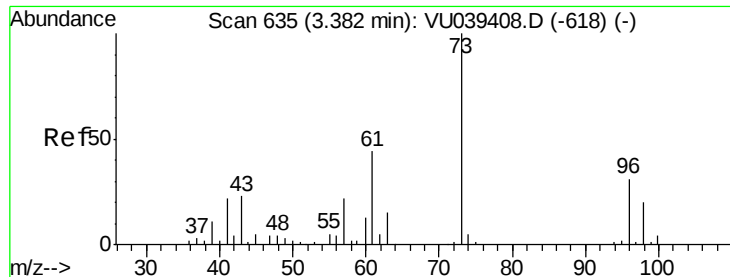
Tot Ion: 64 Resp: 15552
 Ion Ratio Lower Upper
 64 100
 66 34.3 23.5 43.7



#13
 Acetone
 Concen: 1.244 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VU039415.D
 Acq: 09 Jul 2020 23:57

Tgt Ion: 43 Resp: 1673
 Ion Ratio Lower Upper
 43 100
 58 16.1 0.0 62.8

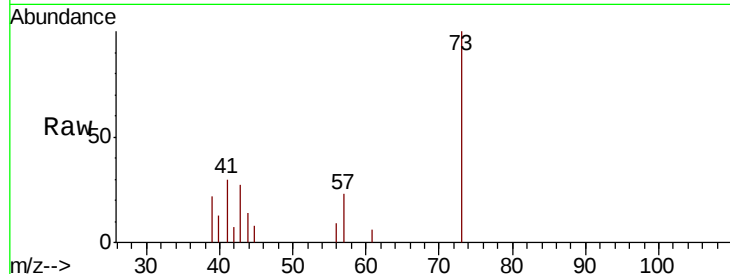




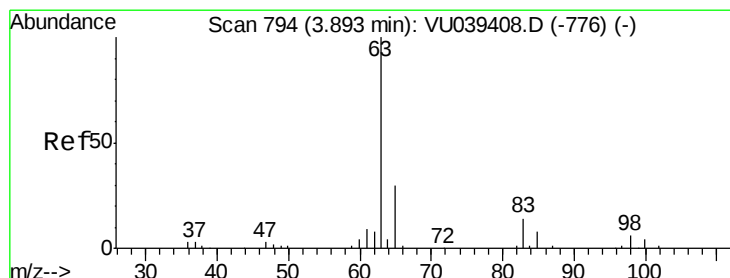
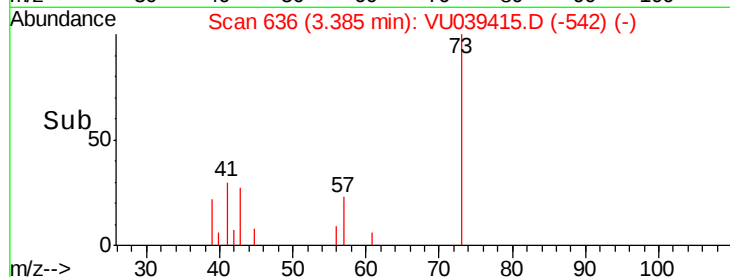
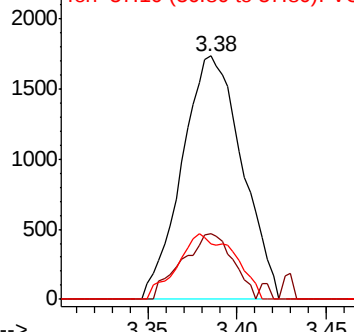
#17
Methvl tert-butvl Ether
Concen: 0.231 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039415.D
Acq: 09 Jul 2020 23:57

Instrument :
MSVOA_U
ClientSampleId :
BE502

Tot Ion: 73 Resp: 4071
Ion Ratio Lower Upper
73 100
43 23.0 18.6 28.0
57 25.6 17.9 26.9

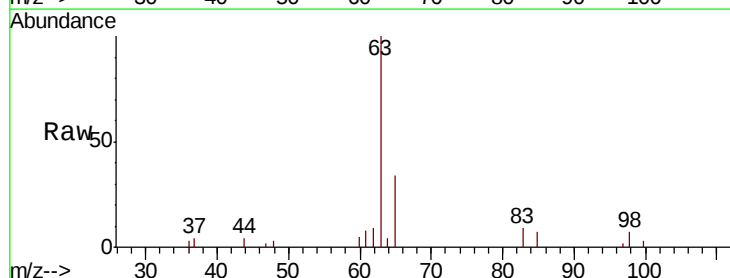


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

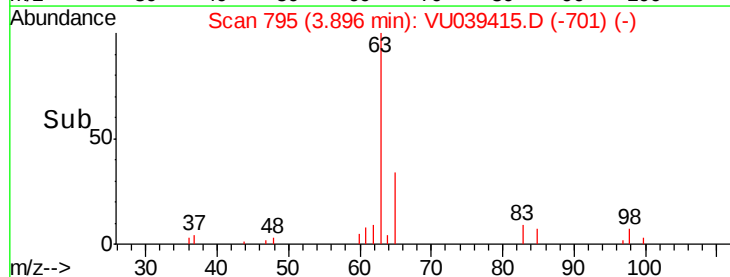
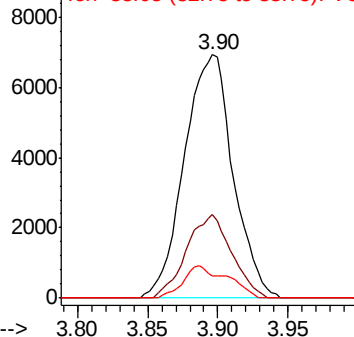


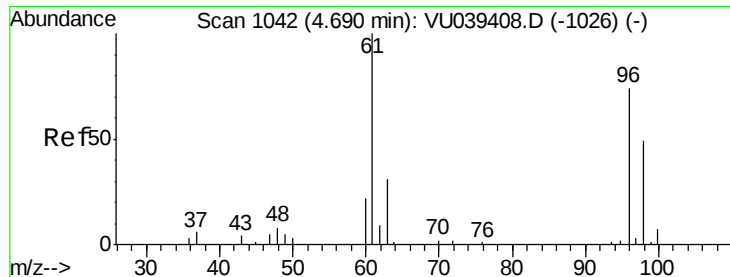
#19
1,1-Dichloroethane
Concen: 1.383 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.00 min
Lab File: VU039415.D
Acq: 09 Jul 2020 23:57

Tgt Ion: 63 Resp: 16728
Ion Ratio Lower Upper
63 100
65 34.2 23.0 42.6
83 9.2 9.6 17.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.189 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039415.D

Acq: 09 Jul 2020 23:57

Instrument :

MSVOA_U

ClientSampleId :

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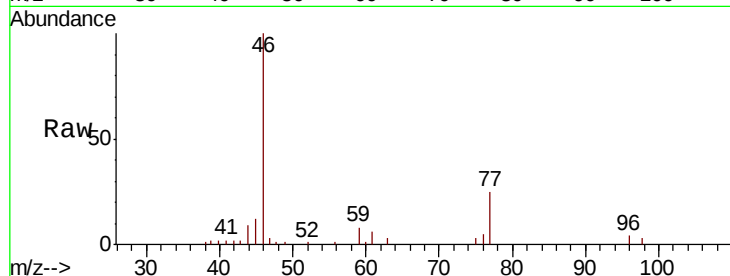
Tot Ion: 96 Resp: 1308

Ion Ratio Lower Upper

96 100

61 141.0 92.8 172.4

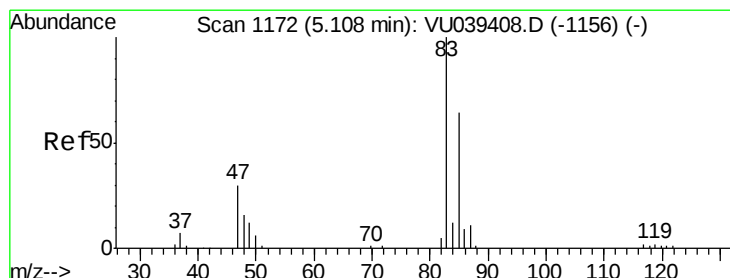
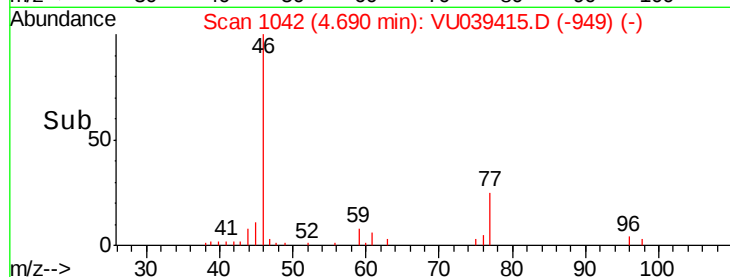
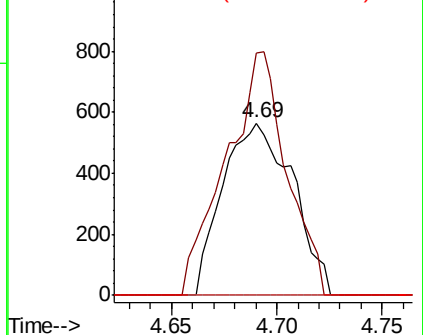
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039415.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039415.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039415.D (-949) (-)



#25

Chloroform

Concen: 0.553 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU039415.D

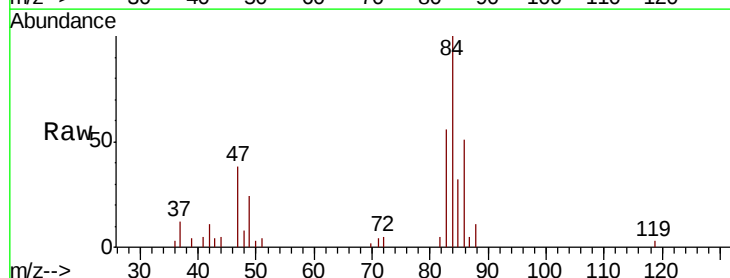
Acq: 09 Jul 2020 23:57

Tgt Ion: 83 Resp: 6761

Ion Ratio Lower Upper

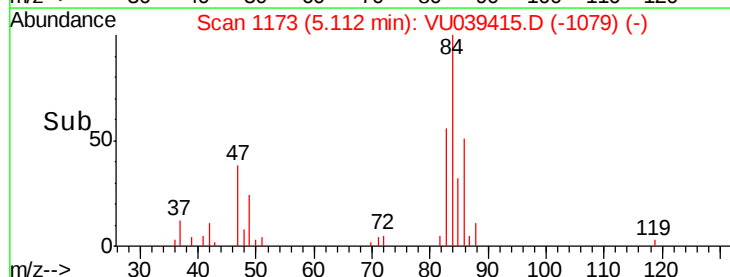
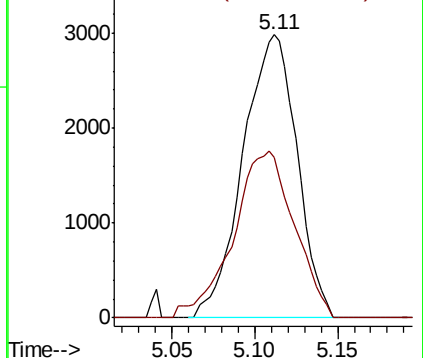
83 100

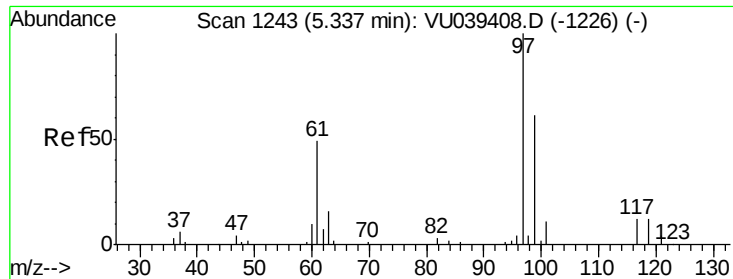
85 56.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039415.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU039415.D (-1079) (-)

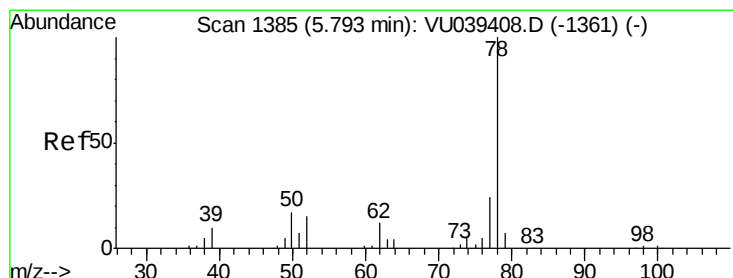
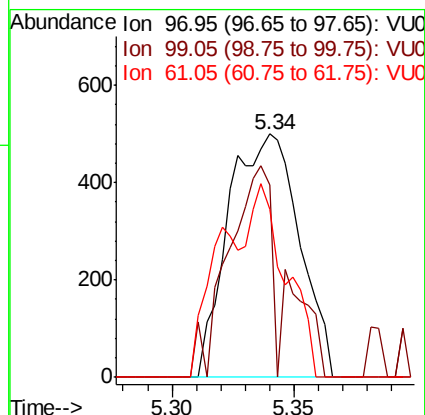
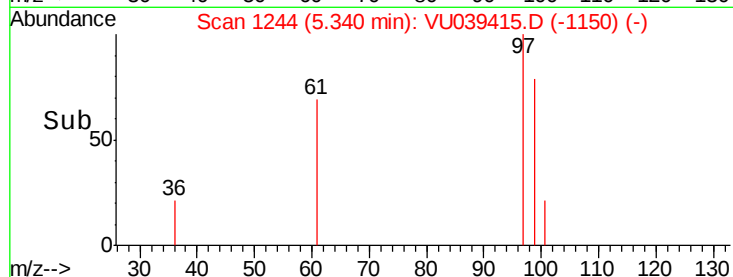
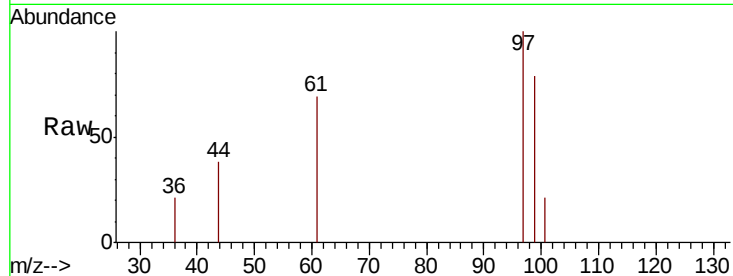




#29
 1,1,1-Trichloroethane
 Concen: 0.100 ug/L
 RT: 5.34 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VU039415.D
 Acq: 09 Jul 2020 23:57

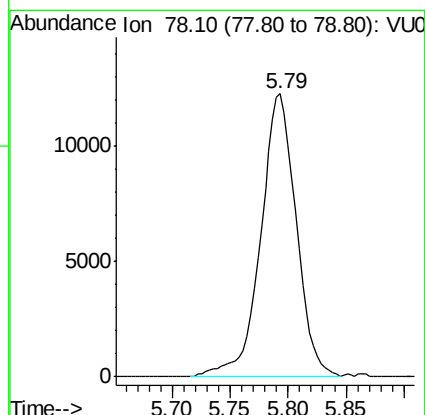
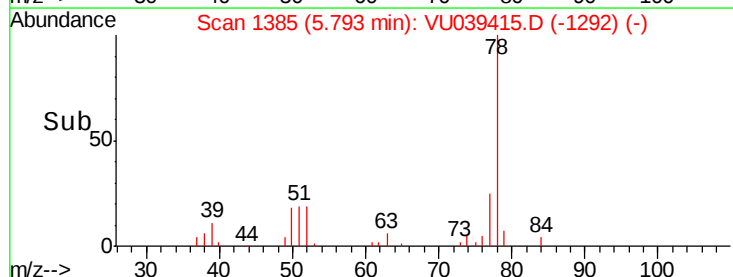
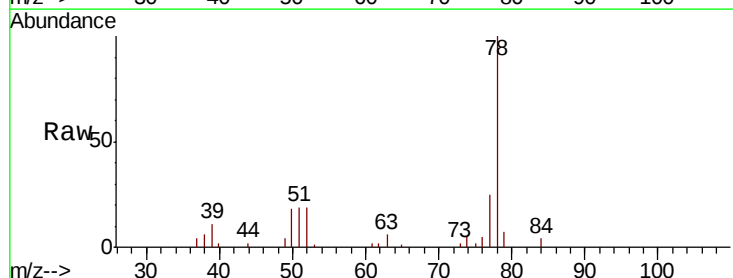
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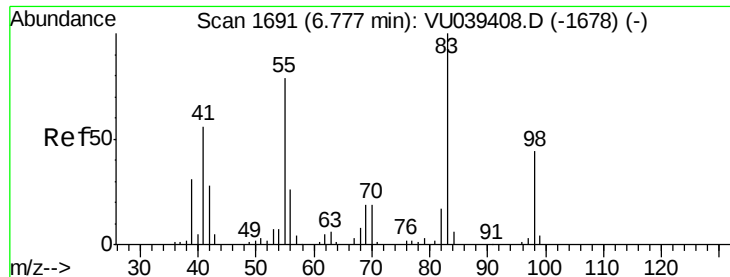
Tot Ion: 97 Resp: 1006
 Ion Ratio Lower Upper
 97 100
 99 51.5 52.6 79.0#
 61 43.7 37.9 56.9



#33
 Benzene
 Concen: 1.018 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VU039415.D
 Acq: 09 Jul 2020 23:57

Tgt Ion: 78 Resp: 26104

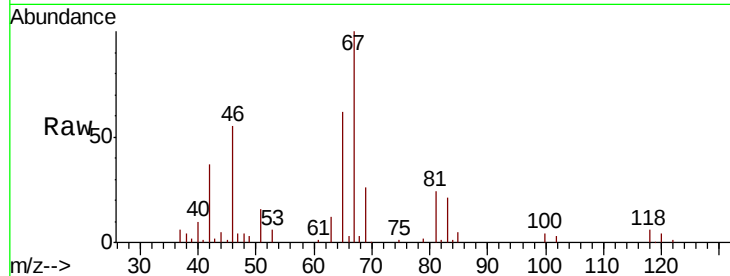




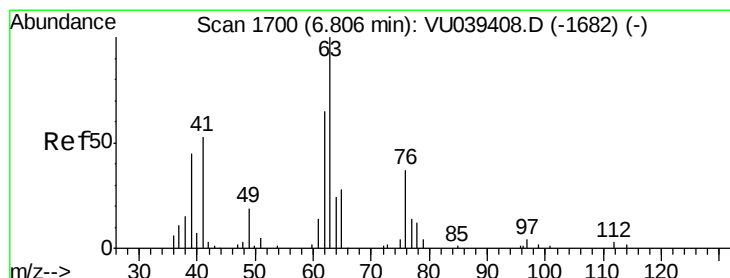
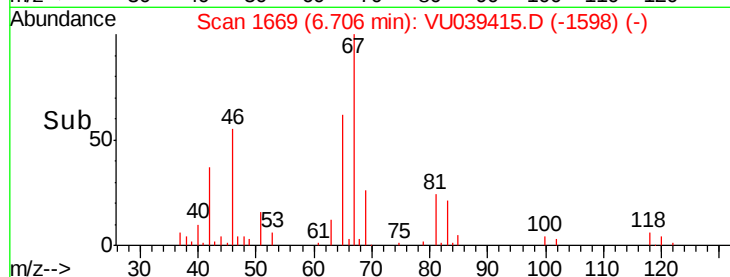
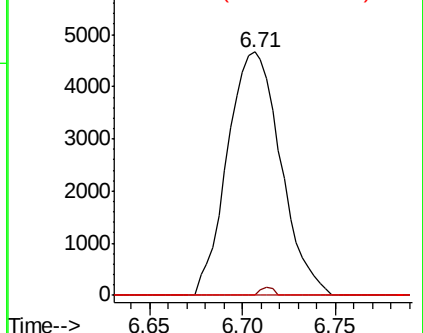
#35
Methvlcvclohexane
Concen: 0.872 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039415.D
Acq: 09 Jul 2020 23:57

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ClientSampleId :
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Tot Ion: 83 Resp: 9269
Ion Ratio Lower Upper
83 100
55 0.8 62.1 93.1#
98 0.0 35.9 53.9#

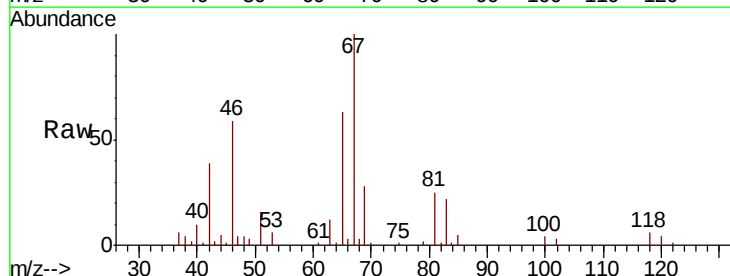


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

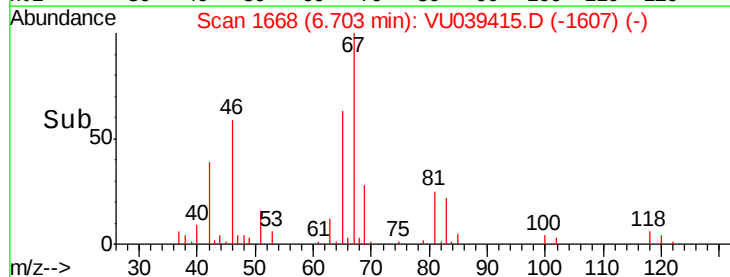
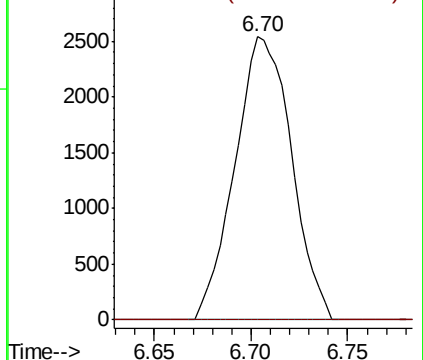


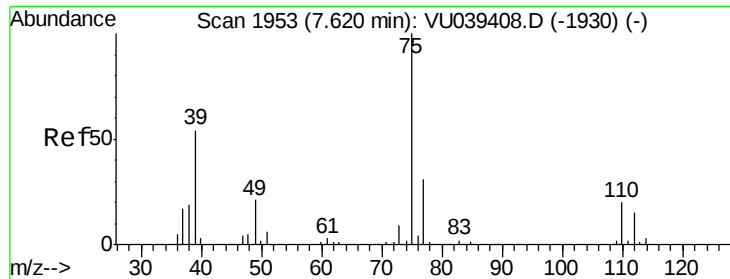
#37
1,2-Dichloropropane
Concen: 0.740 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039415.D
Acq: 09 Jul 2020 23:57

Tgt Ion: 63 Resp: 5176
Ion Ratio Lower Upper
63 100
112 1.6 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

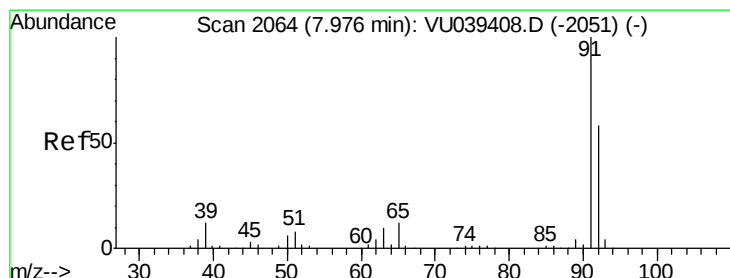
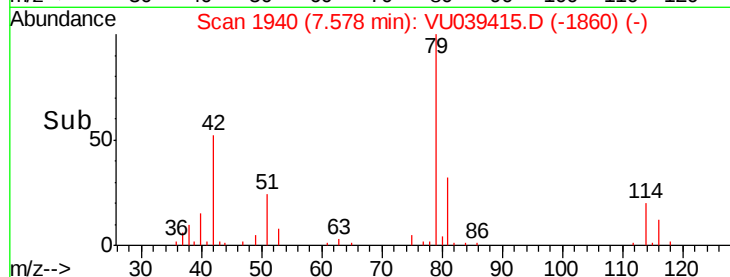
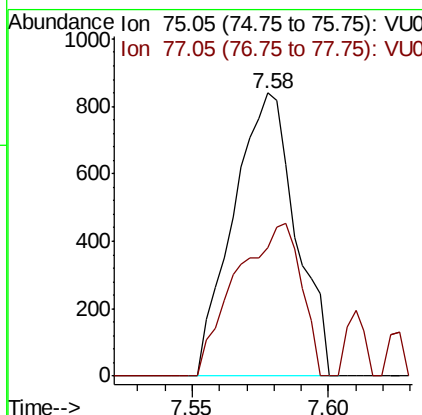
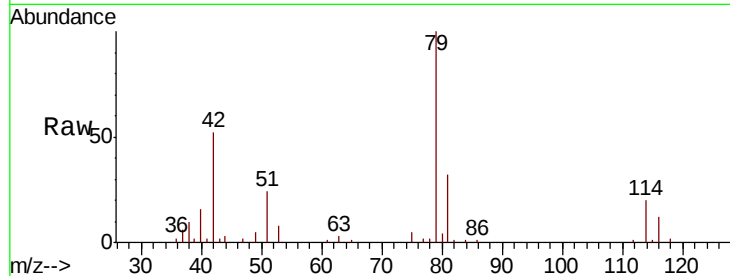




#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039415.D
 Acq: 09 Jul 2020 23:57

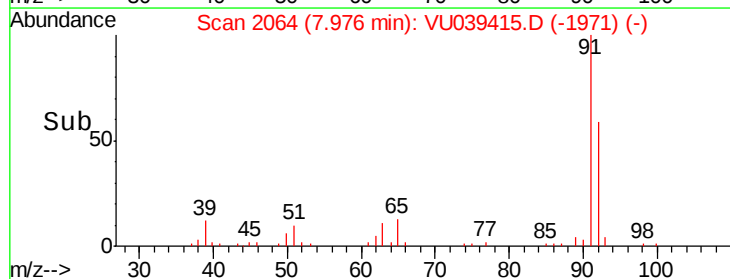
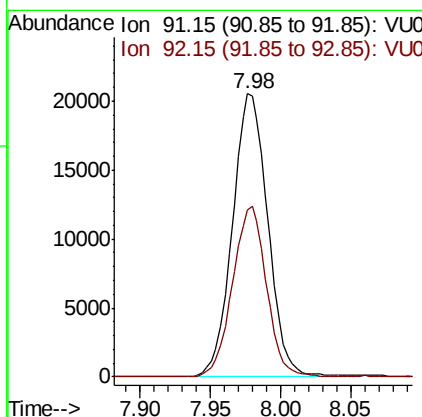
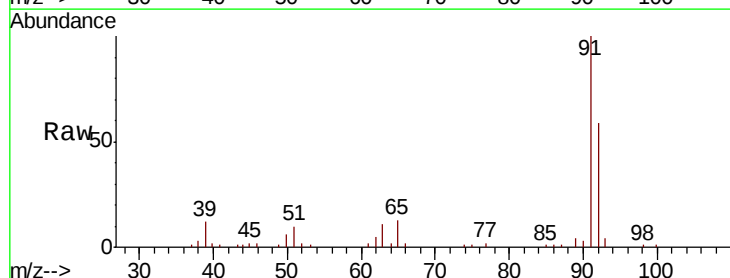
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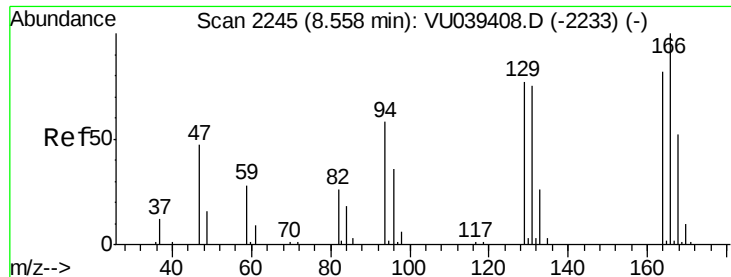
Tot Ion: 75 Resp: 1331
 Ion Ratio Lower Upper
 75 100
 77 45.5 22.3 41.3#



#42
 Toluene
 Concen: 1.312 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU039415.D
 Acq: 09 Jul 2020 23:57

Tgt Ion: 91 Resp: 36047
 Ion Ratio Lower Upper
 91 100
 92 59.1 39.3 73.1





#47

Tetrachloroethene

Concen: 0.198 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039415.D

Acq: 09 Jul 2020 23:57

Instrument :

MSVOA_U

ClientSampleId :

BE502

Tot Ion:164 Resp: 915

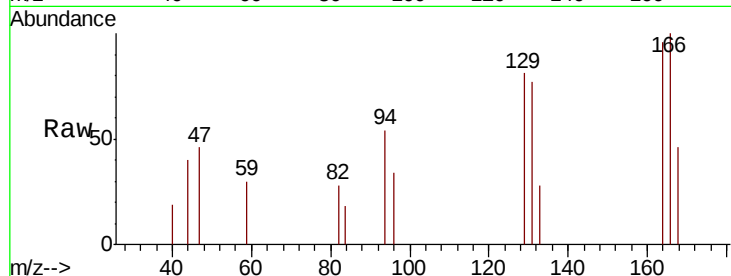
Ion Ratio Lower Upper

164 100

129 83.8 68.6 127.4

131 79.5 66.4 123.4

166 103.7 85.9 159.5

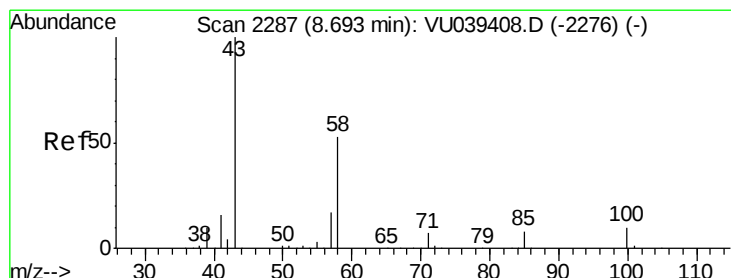
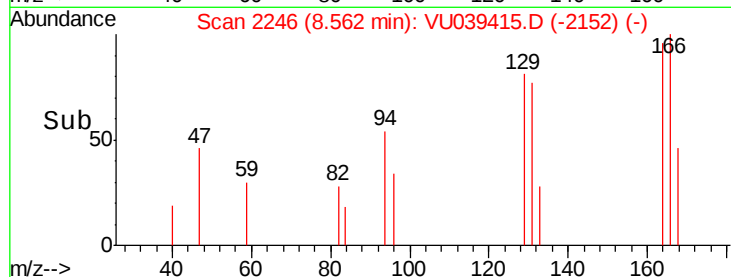
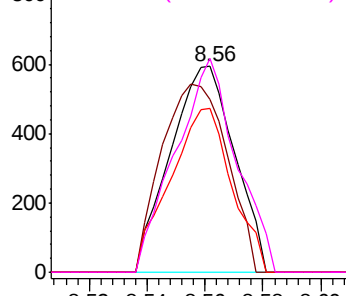


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.190 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039415.D

Acq: 09 Jul 2020 23:57

Tgt Ion: 43 Resp: 5119

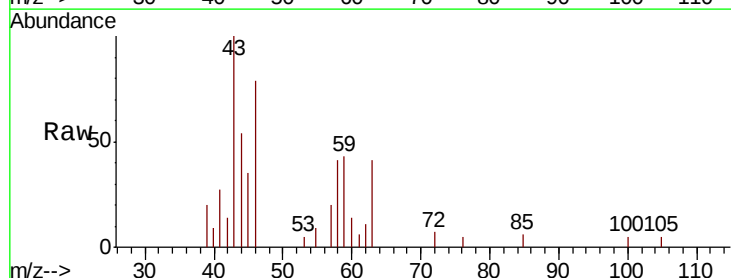
Ion Ratio Lower Upper

43 100

58 40.6 42.0 63.0#

57 10.9 14.0 21.0#

100 1.5 8.2 12.2#

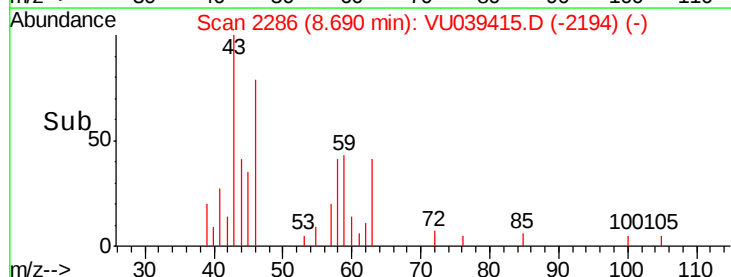
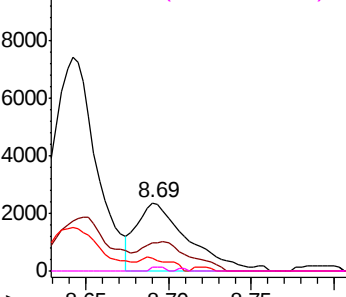


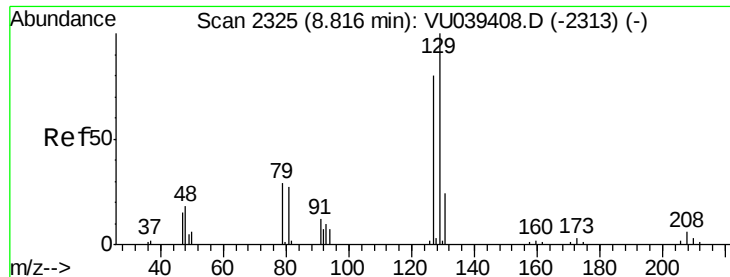
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.141 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU039415.D

Acq: 09 Jul 2020 23:57

Instrument :

MSVOA_U

ClientSampleId :

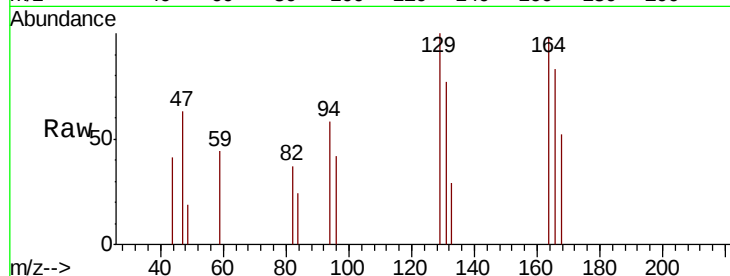
BE502

Tot Ion:129 Resp: 857

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

600

500

400

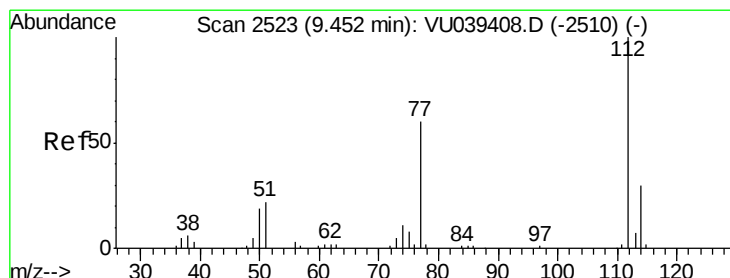
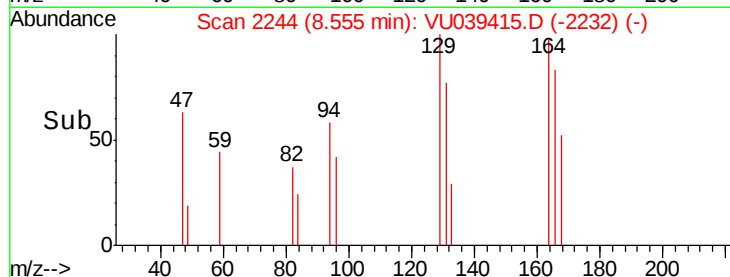
300

200

100

0

Time-->



#51

Chlorobenzene

Concen: 0.227 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039415.D

Acq: 09 Jul 2020 23:57

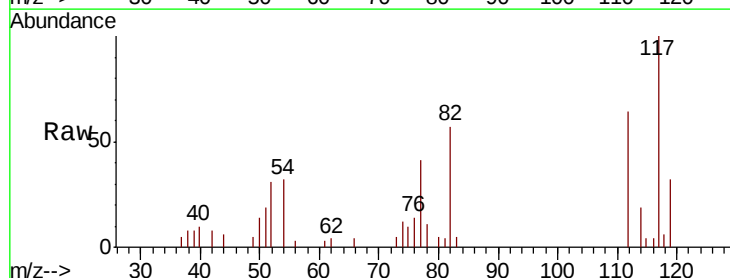
Tgt Ion:112 Resp: 3808

Ion Ratio Lower Upper

112 100

114 29.5 22.1 41.1

77 63.8 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

9.45

2500

2000

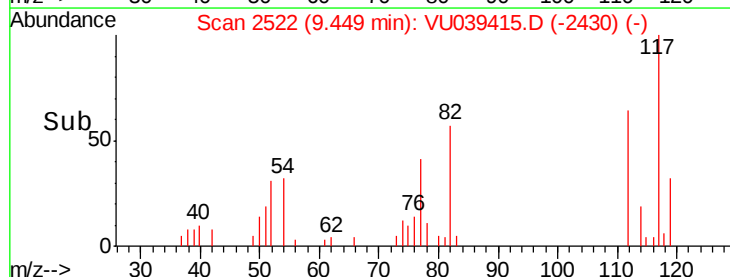
1500

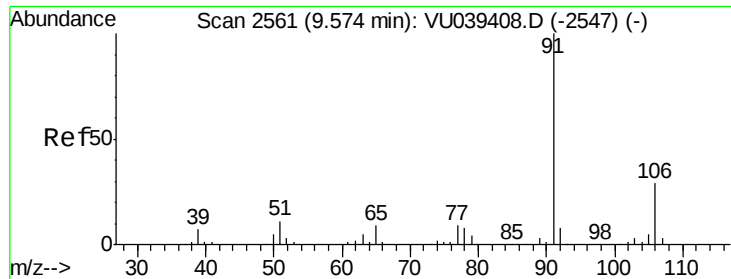
1000

500

0

Time-->





#52

Ethylbenzene

Concen: 0.177 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039415.D

Acq: 09 Jul 2020 23:57

Instrument :

MSVOA_U

ClientSampleId :

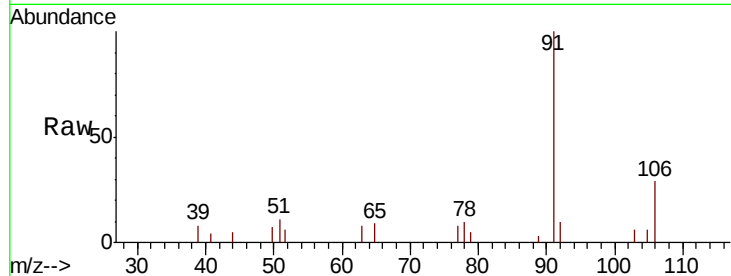
BE502

Tot Ion: 91 Resp: 5360

Ion Ratio Lower Upper

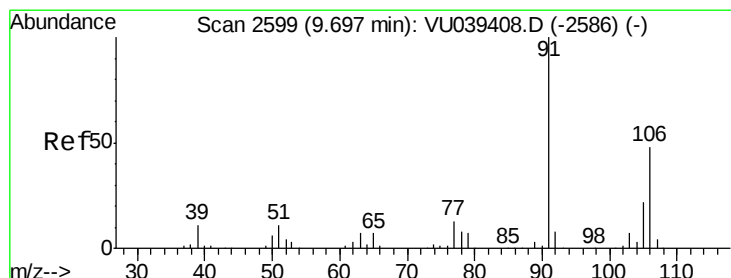
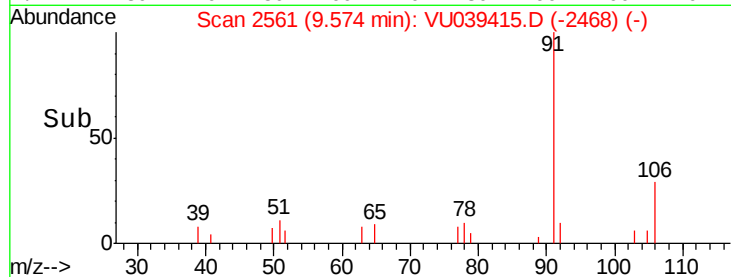
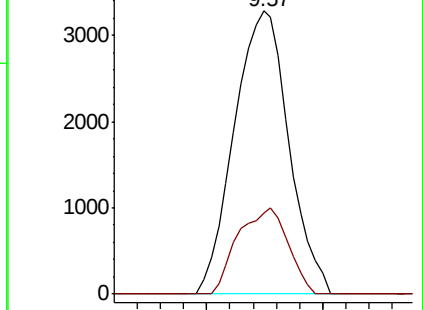
91 100

106 28.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039415.D (-2468) (-)

Ion 106.15 (105.85 to 106.85): VU039415.D (-2468) (-)



#53

m,p-Xylene

Concen: 0.491 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039415.D

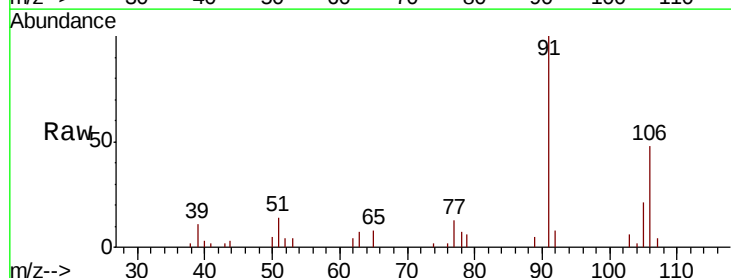
Acq: 09 Jul 2020 23:57

Tgt Ion: 106 Resp: 5612

Ion Ratio Lower Upper

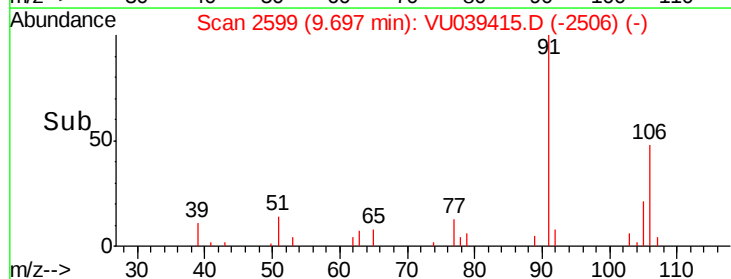
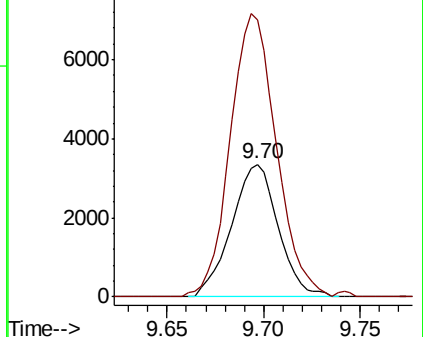
106 100

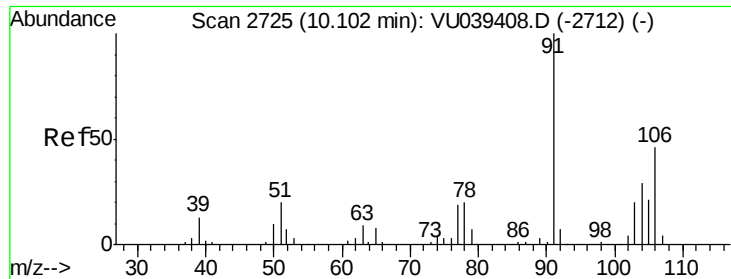
91 208.5 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039415.D (-2506) (-)

Ion 91.15 (90.85 to 91.85): VU039415.D (-2506) (-)

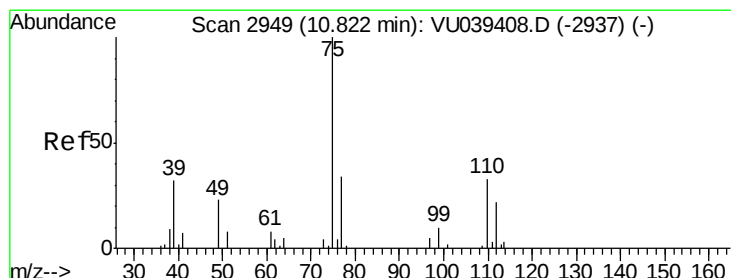
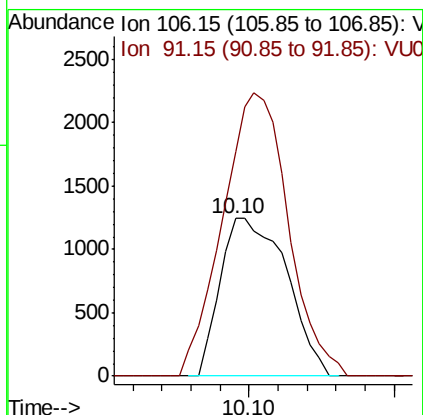
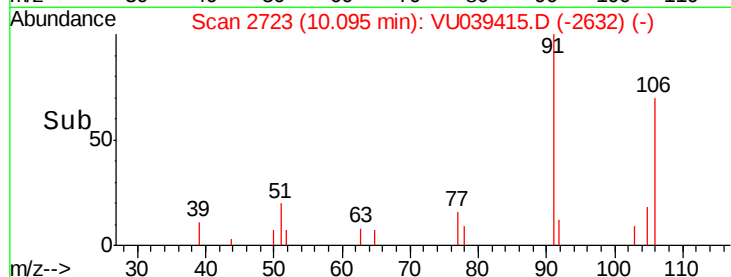
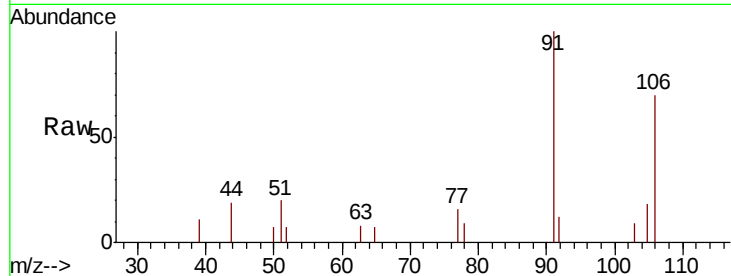




#54
o-Xylene
Concen: 0.177 ug/L
RT: 10.10 min Scan# 2723
Delta R.T. -0.01 min
Lab File: VU039415.D
Acq: 09 Jul 2020 23:57

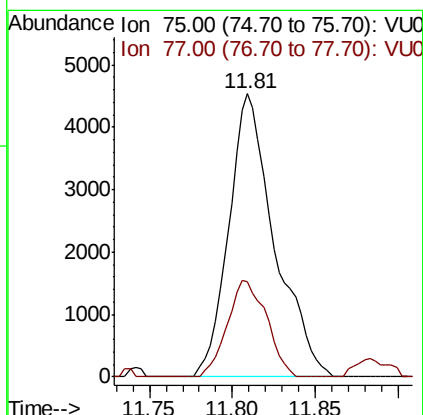
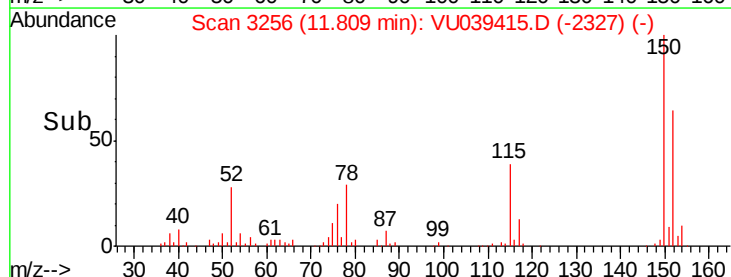
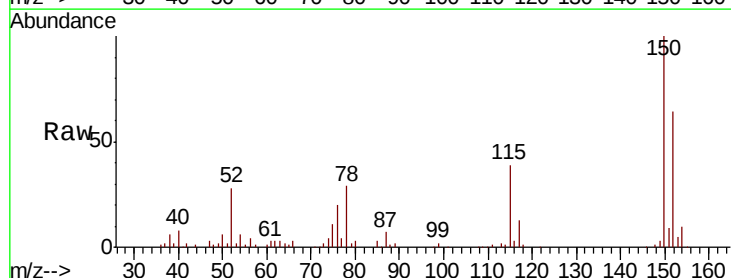
Instrument :
MSVOA_U
ClientSampled :
BE502

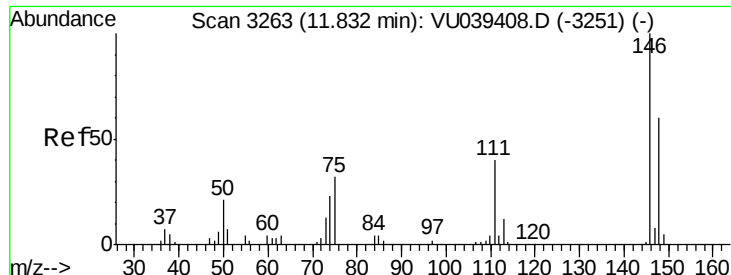
Tot Ion:106 Resp: 1971
Ion Ratio Lower Upper
106 100
91 142.4 154.6 287.2#



#59
1,2,3-Trichloropropane
Concen: 1.684 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039415.D
Acq: 09 Jul 2020 23:57

Tgt Ion: 75 Resp: 8681
Ion Ratio Lower Upper
75 100
77 29.3 26.8 40.2





#63

1,4-Dichlorobenzene

Concen: 0.339 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039415.D

Acq: 09 Jul 2020 23:57

Instrument :

MSVOA_U

ClientSampleId :

BE502

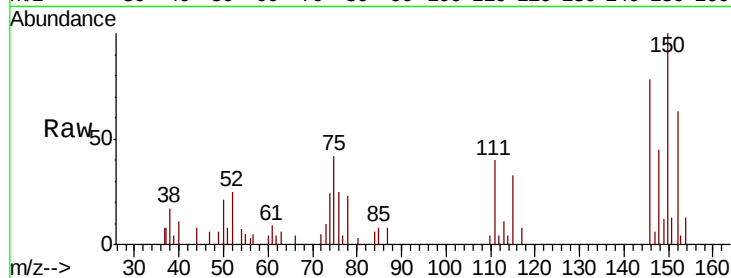
Tot Ion:146 Resp: 4518

Ion Ratio Lower Upper

146 100

111 51.4 28.6 53.0

148 57.6 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

