

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080320\
 Data File : VU039735.D
 Acq On : 03 Aug 2020 13:16
 Operator : SY/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Quant Time: Aug 03 17:31:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 03 17:28:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	78076	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	79094	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39087	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	1585	0.42	ug/L	0.00
7) Chloroethane-d5	1.92	69	1961	0.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	3958	0.48	ug/L	0.00
20) 2-Butanone-d5	4.66	46	8246	4.91	ug/L	0.00
24) Chloroform-d	5.08	84	4669	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	2712	0.44	ug/L	0.00
32) Benzene-d6	5.74	84	7984	0.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	2936	0.46	ug/L	0.00
41) Toluene-d8	7.90	98	7282	0.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	905	0.33	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	5039	3.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	2812	0.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	2857	0.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	3454	0.827 ug/L	98
3) Chloromethane	1.53	50	3664	0.809 ug/L	97
5) Vinyl chloride	1.61	62	3255	0.689 ug/L	89
6) Bromomethane	1.86	94	1833	0.603 ug/L	98
8) Chloroethane	1.94	64	2418	0.638 ug/L	97
9) Trichlorofluoromethane	2.15	101	4946	0.529 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2994	0.716 ug/L #	90
12) 1,1-Dichloroethene	2.59	96	2412	0.634 ug/L	83
13) Acetone	2.66	43	6388	6.941 ug/L	93
14) Carbon disulfide	2.80	76	7511	0.655 ug/L	98
15) Methyl Acetate	2.97	43	1442	0.637 ug/L #	90
16) Methylene chloride	3.06	84	5951	1.084 ug/L	92
17) Methyl tert-butyl Ether	3.38	73	6037	0.517 ug/L #	91
18) trans-1,2-Dichloroethene	3.37	96	2831	0.672 ug/L	93
19) 1,1-Dichloroethane	3.88	63	5101	0.606 ug/L	97
21) 2-Butanone	4.74	43	7869	4.949 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	2851	0.585 ug/L	89
23) Bromochloromethane	4.99	128	1308	0.569 ug/L #	85
25) Chloroform	5.11	83	5560	0.579 ug/L	99
27) 1,2-Dichloroethane	5.81	62	3706	0.569 ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	4143	0.493 ug/L	98
30) Cyclohexane	5.40	56	3826	0.510 ug/L #	87
31) Carbon tetrachloride	5.54	117	4186	0.577 ug/L	97
33) Benzene	5.79	78	10029	0.518 ug/L	100
34) Trichloroethene	6.55	95	2750	0.519 ug/L #	78
35) Methylcyclohexane	6.77	83	4210	0.533 ug/L #	74
37) 1,2-Dichloropropane	6.80	63	2749	0.518 ug/L #	88
38) Bromodichloromethane	7.11	83	3756	0.538 ug/L #	85
39) cis-1,3-Dichloropropene	7.62	75	3563	0.470 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	19107	4.602 ug/L	98

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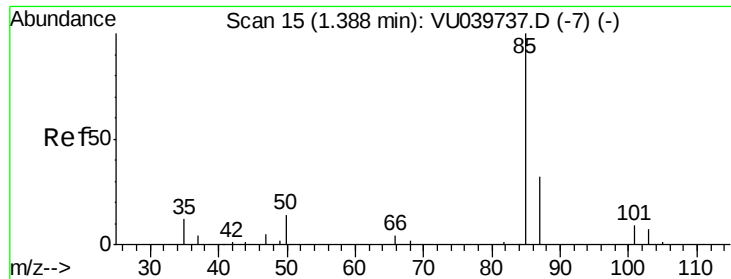
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	11019	0.527	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	3105	0.446	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	1986	0.483	ug/L	87
47) Tetrachloroethene	8.56	164	2411	0.653	ug/L	85
48) 2-Hexanone	8.69	43	14114	4.583	ug/L	99
49) Dibromochloromethane	8.81	129	2400	0.484	ug/L	91
50) 1,2-Dibromoethane	8.93	107	1906	0.474	ug/L #	98
51) Chlorobenzene	9.45	112	7295	0.536	ug/L	96
52) Ethylbenzene	9.57	91	12105	0.508	ug/L	97
53) m,p-Xylene	9.69	106	4239	0.472	ug/L	95
54) o-Xylene	10.10	106	4585	0.522	ug/L	93
55) Styrene	10.11	104	6902	0.471	ug/L	99
56) Isopropylbenzene	10.48	105	11462	0.483	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	2861	0.543	ug/L #	86
59) 1,2,3-Trichloropropane	11.81	75	7718	1.976	ug/L	99
61) Bromoform	10.29	173	1193	0.437	ug/L #	86
62) 1,3-Dichlorobenzene	11.74	146	5406	0.505	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	6279	0.576	ug/L	95
65) 1,2-Dichlorobenzene	12.21	146	5817	0.562	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.00	75	334	0.437	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	4321	0.562	ug/L	93
68) 1,2,4-trichlorobenzene	13.83	180	3423	0.532	ug/L	97
69) Naphthalene	14.08	128	4751	0.430	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	2704	0.466	ug/L	87

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



#2

Dichlorodifluoromethane

Concen: 0.827 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

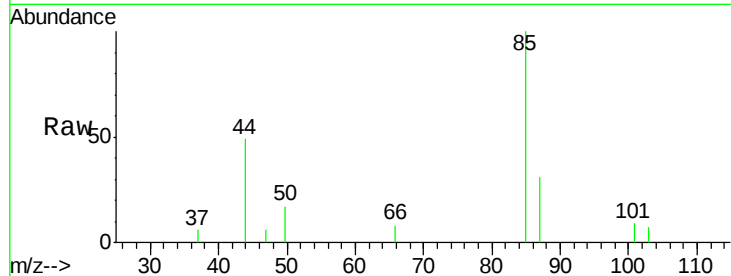
VSTD0.501

Tgt Ion: 85 Resp: 3454

Ion Ratio Lower Upper

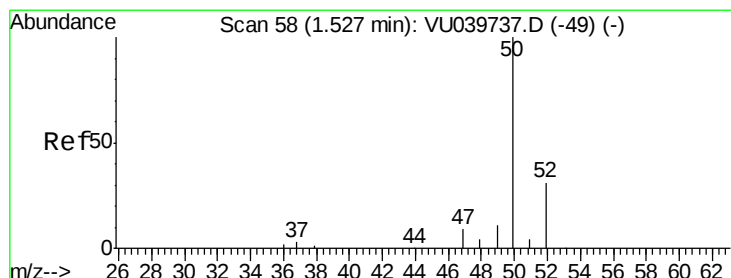
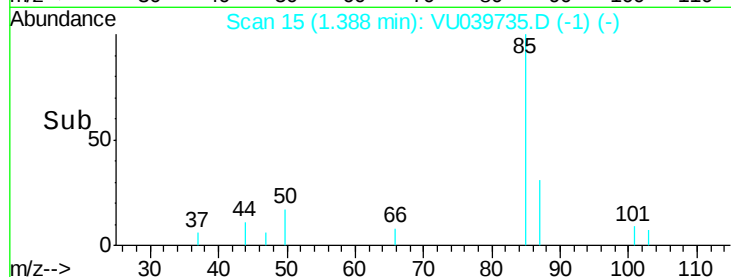
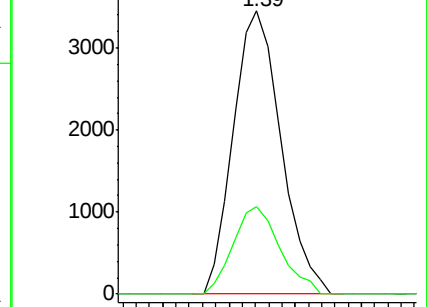
85 100

87 30.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039735.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039735.D (-7) (-)



#3

Chloromethane

Concen: 0.809 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039735.D

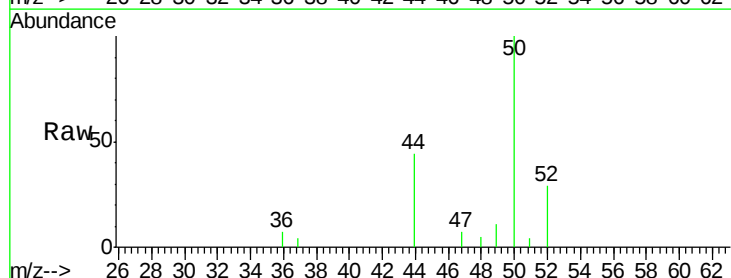
Acq: 03 Aug 2020 13:16

Tgt Ion: 50 Resp: 3664

Ion Ratio Lower Upper

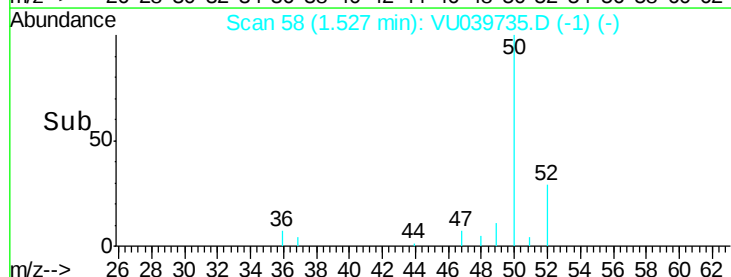
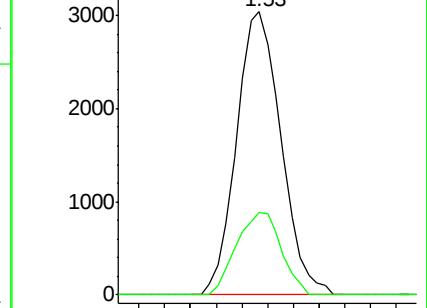
50 100

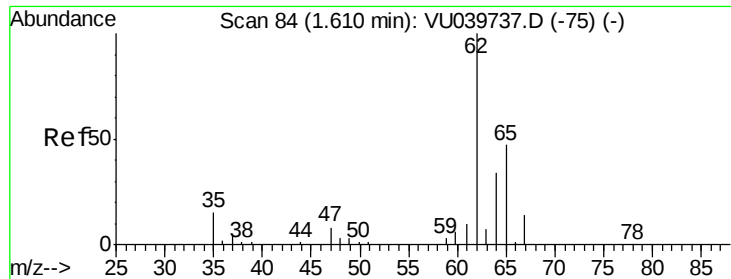
52 29.2 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039735.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039735.D (-49) (-)





#5

Vinyl chloride

Concen: 0.689 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

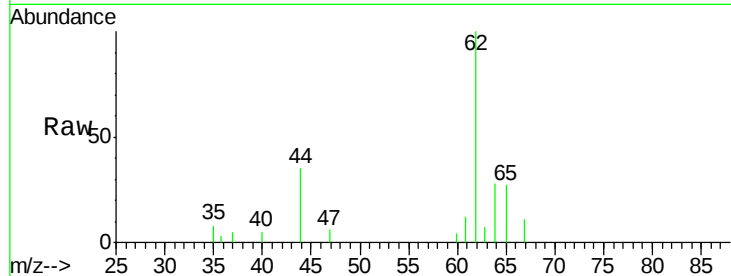
VSTD0.501

Tgt Ion: 62 Resp: 3255

Ion Ratio Lower Upper

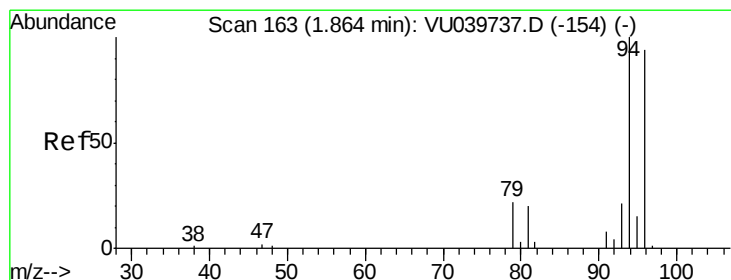
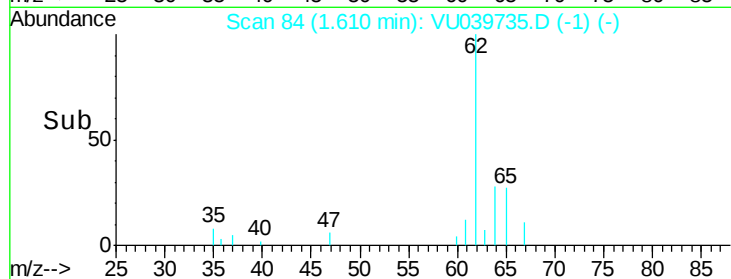
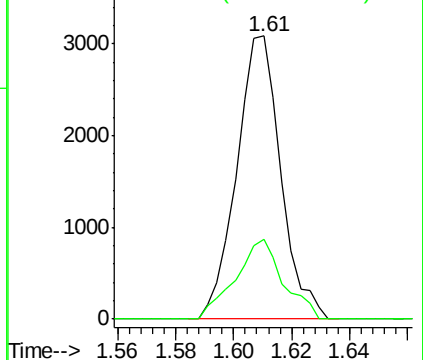
62 100

64 28.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.603 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU039735.D

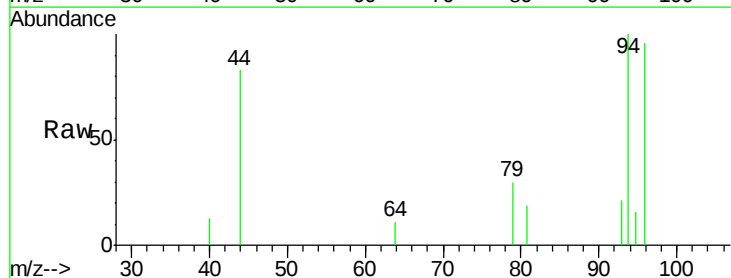
Acq: 03 Aug 2020 13:16

Tgt Ion: 94 Resp: 1833

Ion Ratio Lower Upper

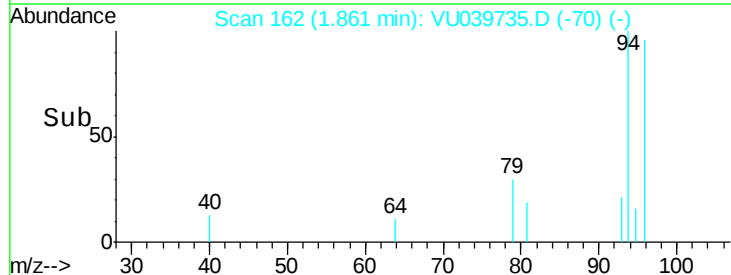
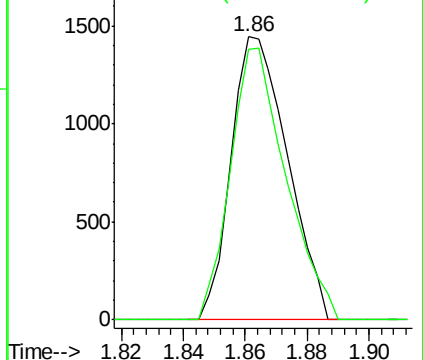
94 100

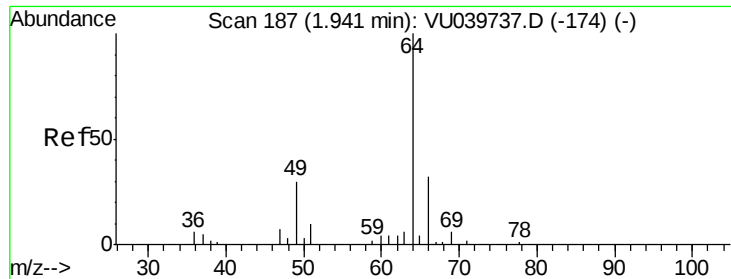
96 95.8 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

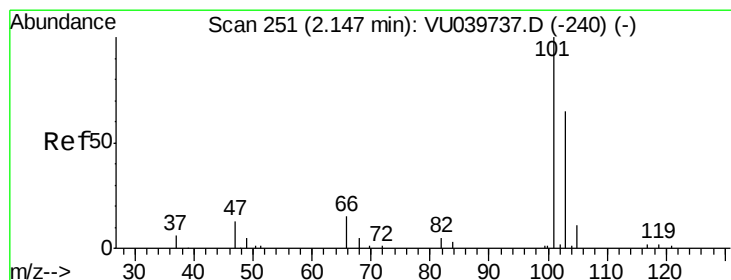
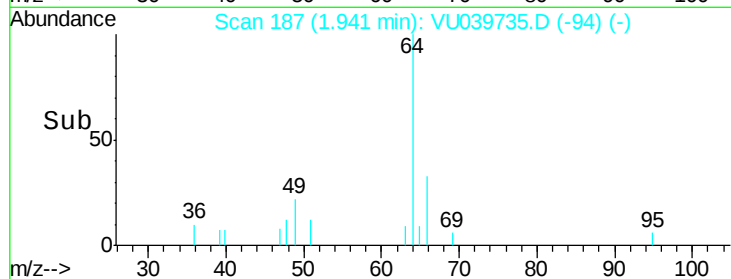
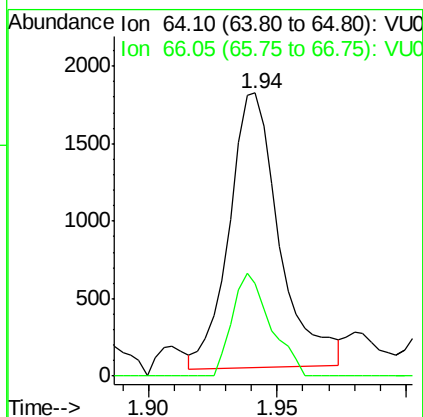
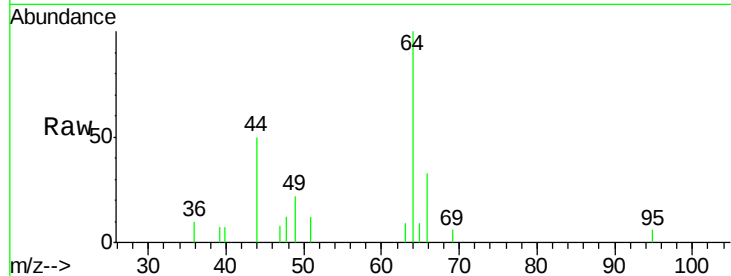




#8
Chloroethane
Concen: 0.638 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

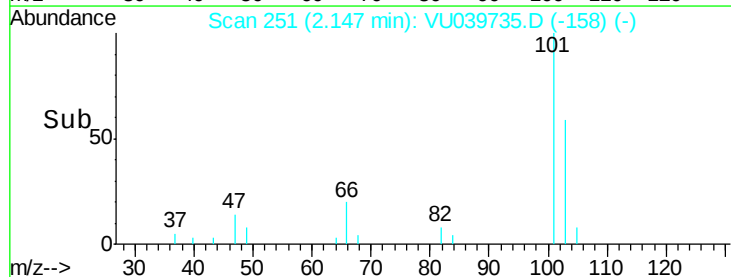
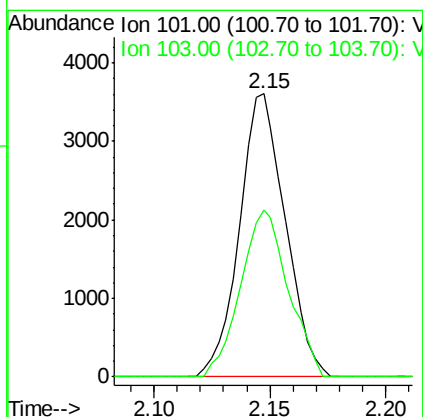
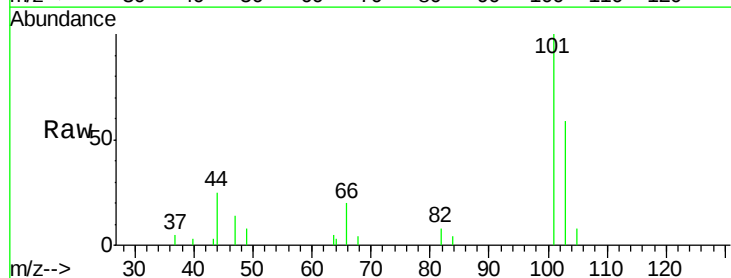
Instrument :
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VSTD0.501

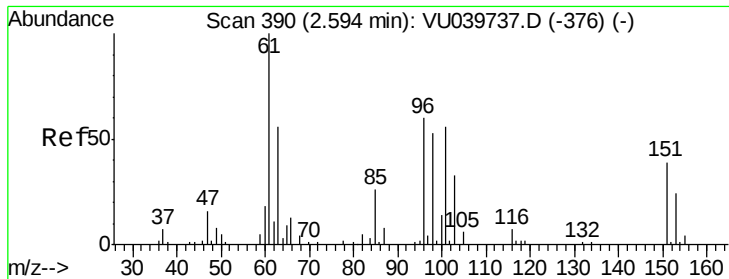
Tgt Ion: 64 Resp: 2418
Ion Ratio Lower Upper
64 100
66 30.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 0.529 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Tgt Ion: 101 Resp: 4946
Ion Ratio Lower Upper
101 100
103 61.4 51.4 77.2





#10

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

Concen: 0.716 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

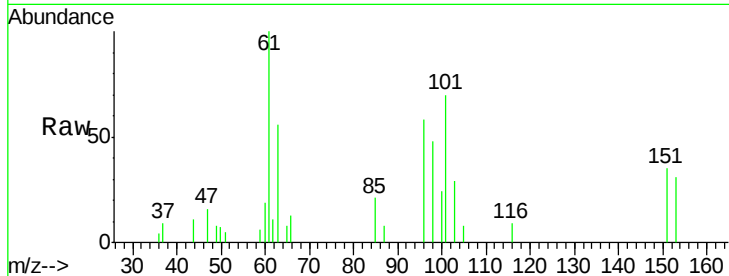
Tgt Ion: 101 Resp: 2994

Ion Ratio Lower Upper

101 100

85 37.1 37.9 56.9#

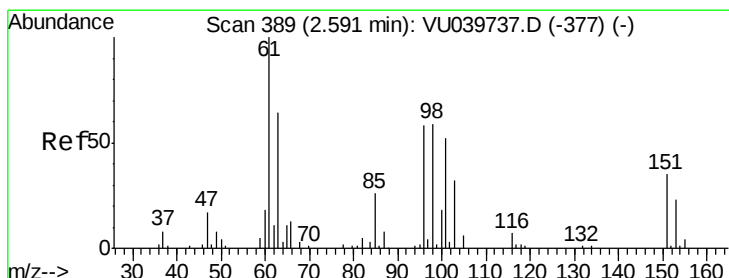
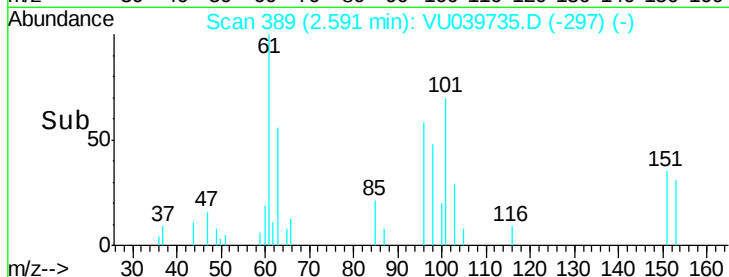
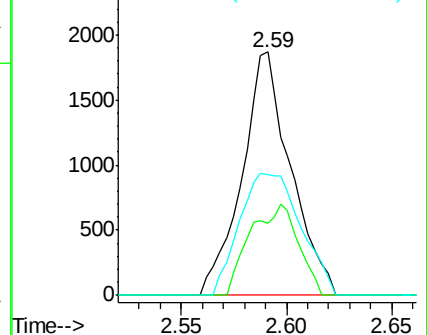
151 63.1 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.634 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

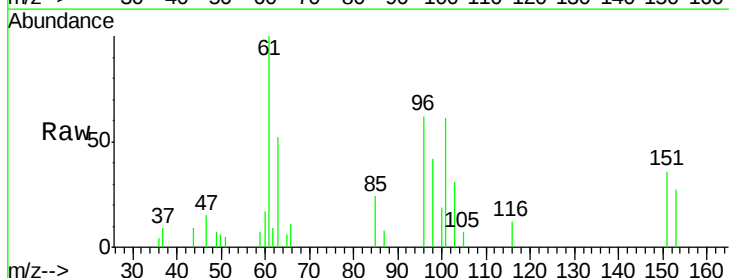
Tgt Ion: 96 Resp: 2412

Ion Ratio Lower Upper

96 100

61 161.6 121.7 225.9

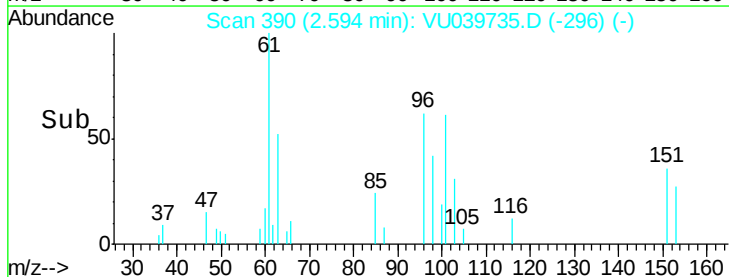
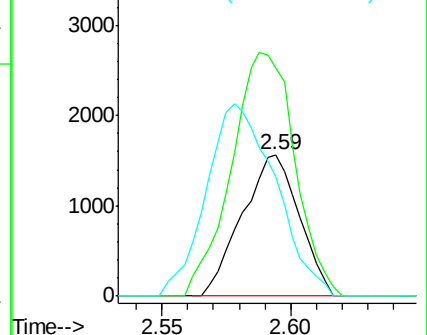
63 84.1 82.1 152.5

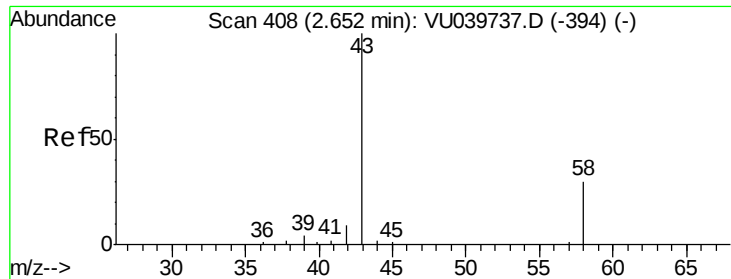


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.941 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

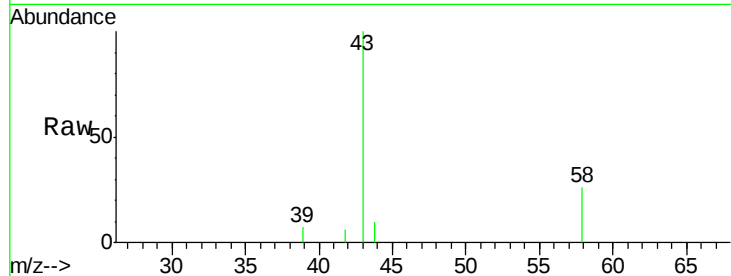
VSTD0.501

Tgt Ion: 43 Resp: 6388

Ion Ratio Lower Upper

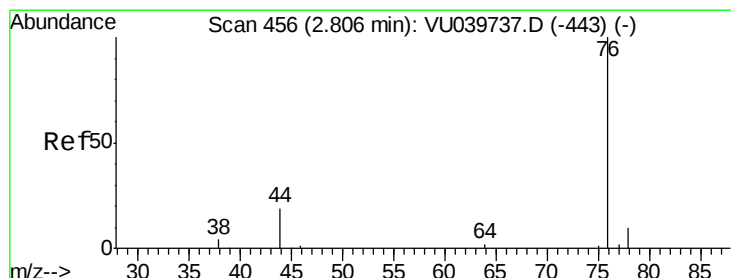
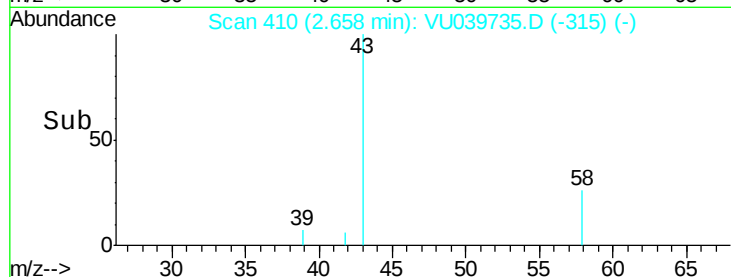
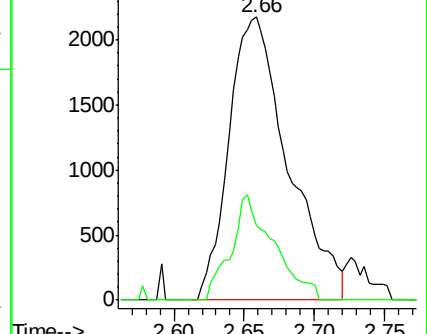
43 100

58 26.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039735.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU039735.D (-315) (-)



#14

Carbon disulfide

Concen: 0.655 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039735.D

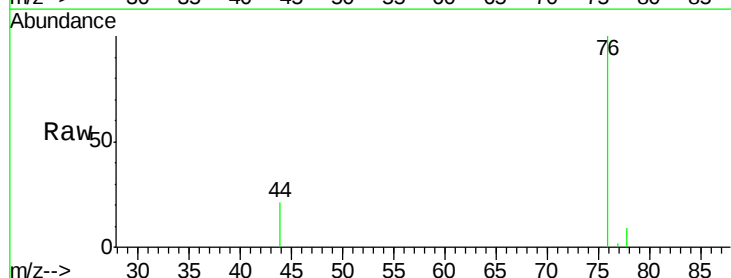
Acq: 03 Aug 2020 13:16

Tgt Ion: 76 Resp: 7511

Ion Ratio Lower Upper

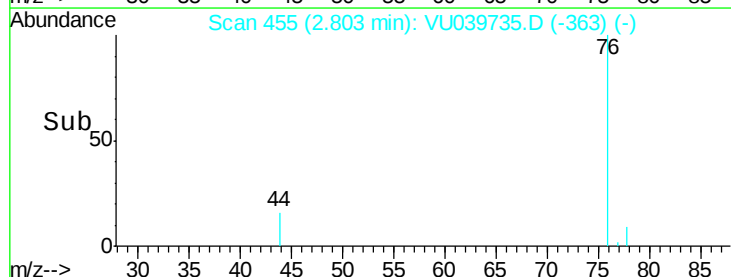
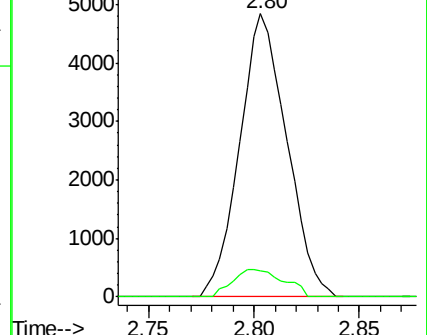
76 100

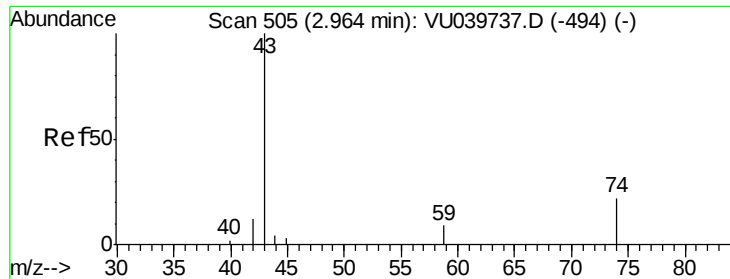
78 9.1 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039735.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039735.D (-363) (-)

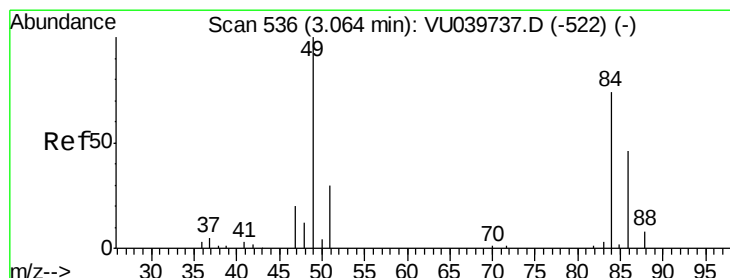
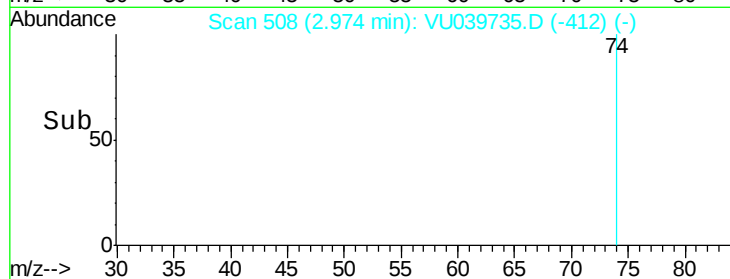
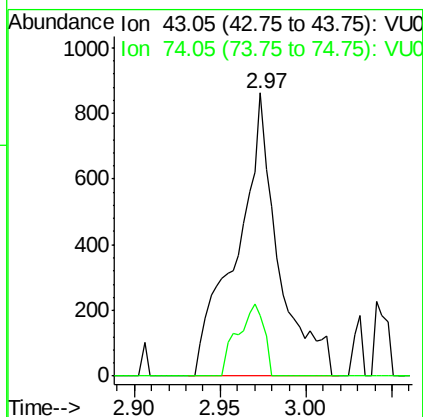
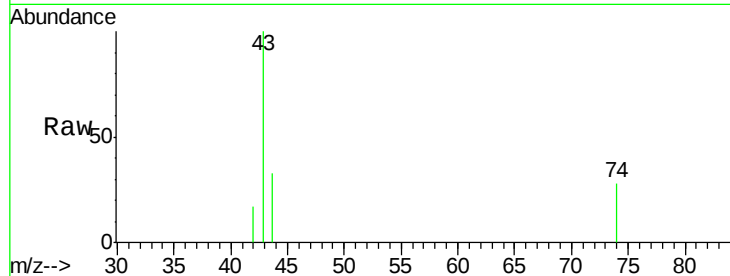




#15
Methyl Acetate
Concen: 0.637 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

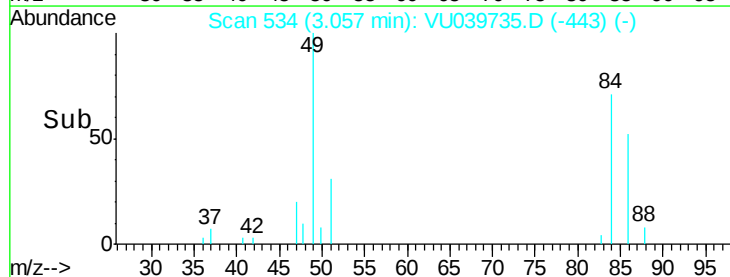
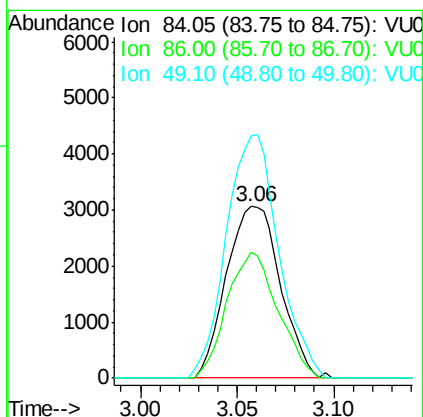
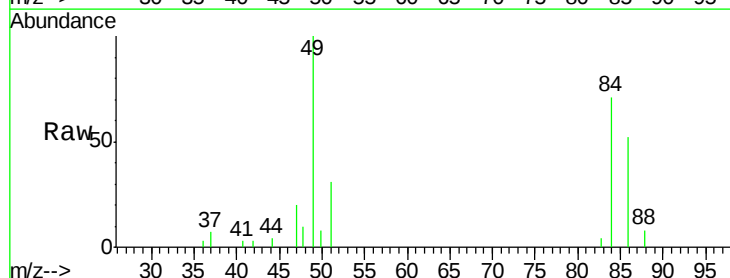
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

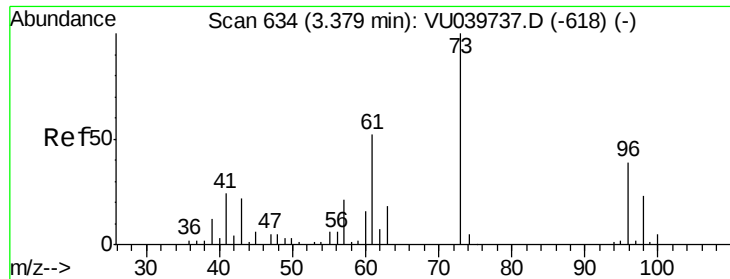
Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
74 16.2 16.6 25.0#



#16
Methylene chloride
Concen: 1.084 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Tgt Ion: 84 Resp: 5951
Ion Ratio Lower Upper
84 100
86 72.9 43.9 81.5
49 140.7 94.4 175.4

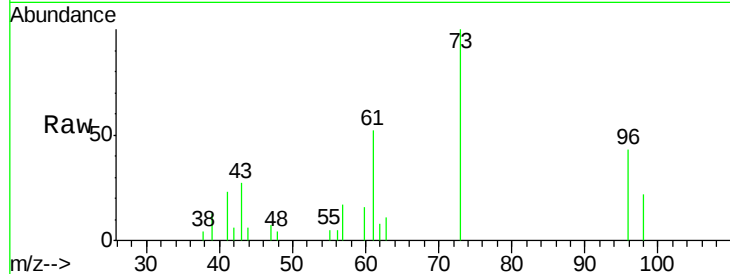




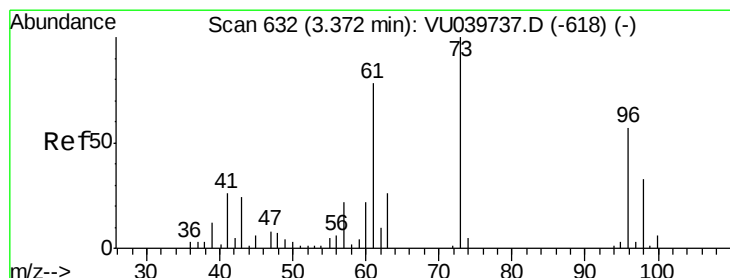
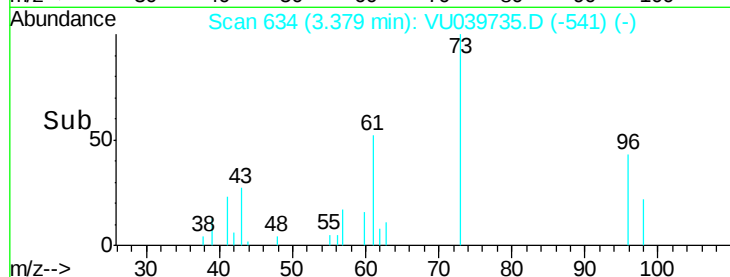
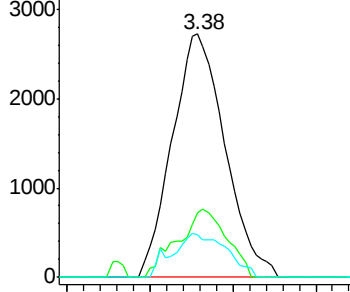
#17
Methyl tert-butyl Ether
Concen: 0.517 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tgt Ion: 73 Resp: 6037
Ion Ratio Lower Upper
73 100
43 26.1 18.2 27.4
57 16.4 17.8 26.8#

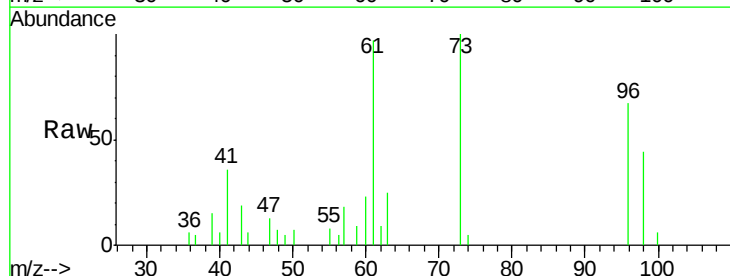


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

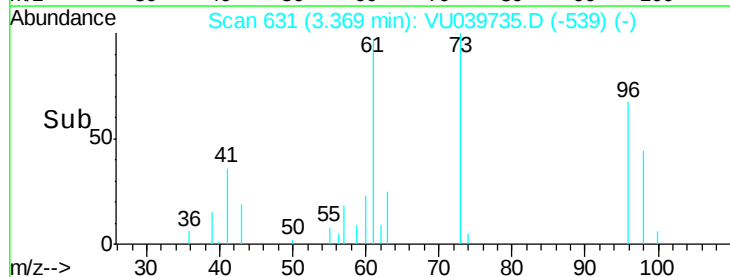
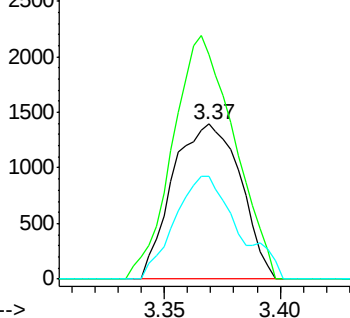


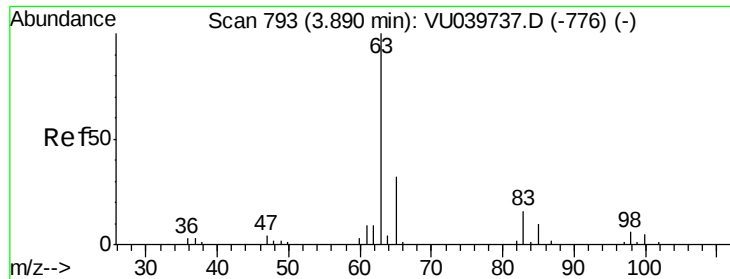
#18
trans-1,2-Dichloroethene
Concen: 0.672 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Tgt Ion: 96 Resp: 2831
Ion Ratio Lower Upper
96 100
61 145.0 96.5 179.1
98 66.2 40.9 76.0



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

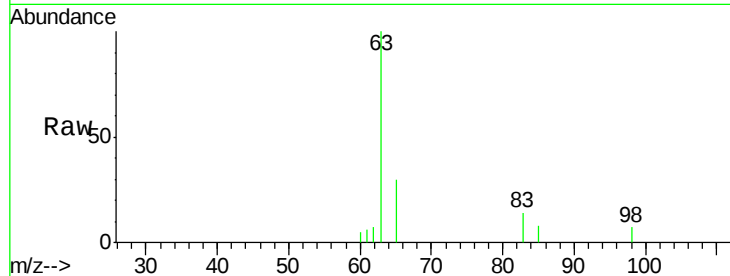




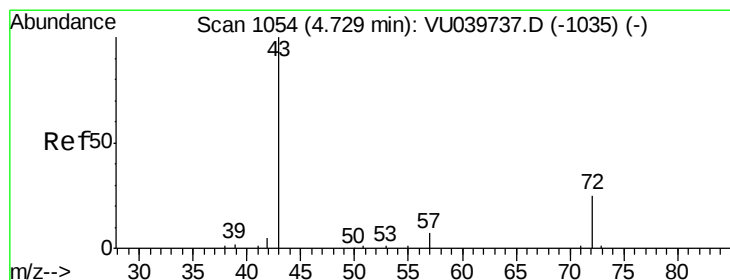
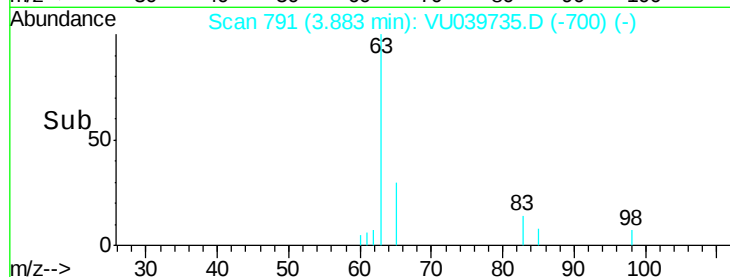
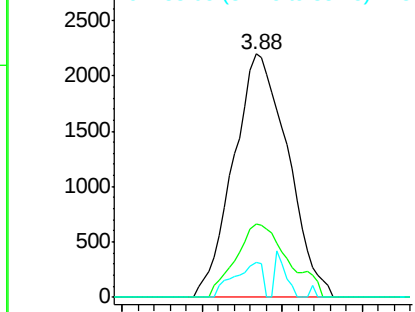
#19
 1,1-Dichloroethane
 Concen: 0.606 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tgt Ion: 63 Resp: 5101
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.0 41.0
 83 14.4 10.9 20.2

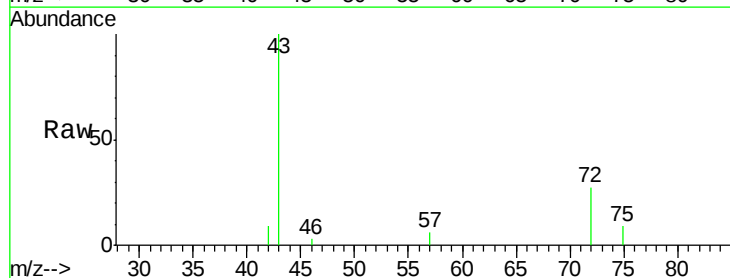


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

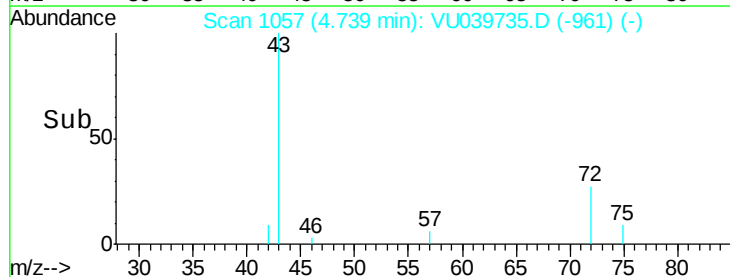
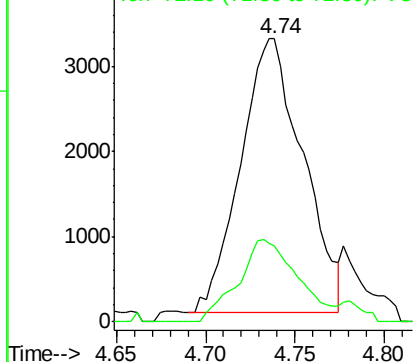


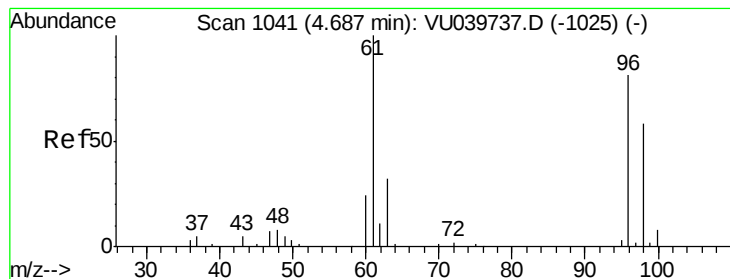
#21
 2-Butanone
 Concen: 4.949 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion: 43 Resp: 7869
 Ion Ratio Lower Upper
 43 100
 72 28.5 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.585 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

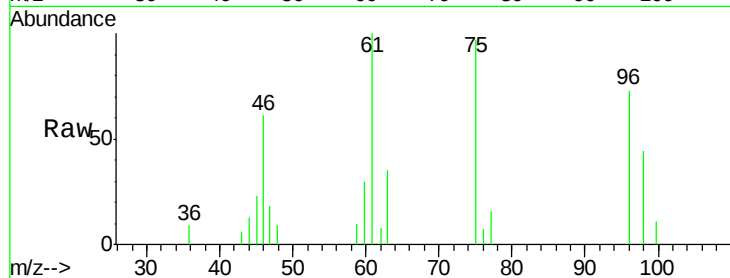
Tgt Ion: 96 Resp: 2851

Ion Ratio Lower Upper

96 100

61 137.5 87.4 162.2

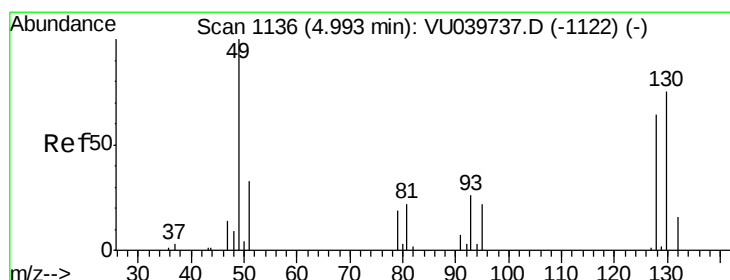
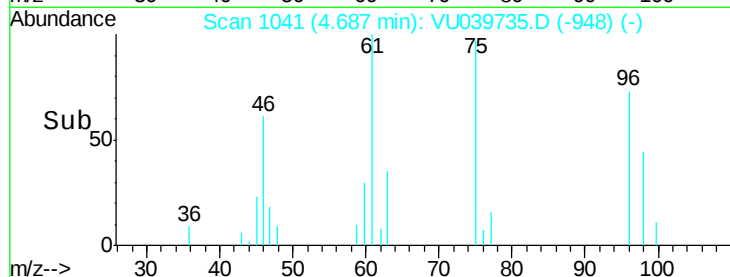
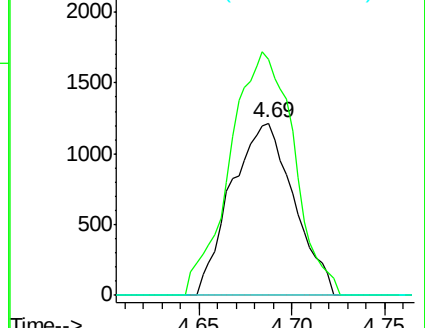
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039735.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039735.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039735.D (-1025) (-)



#23

Bromochloromethane

Concen: 0.569 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Tgt Ion: 128 Resp: 1308

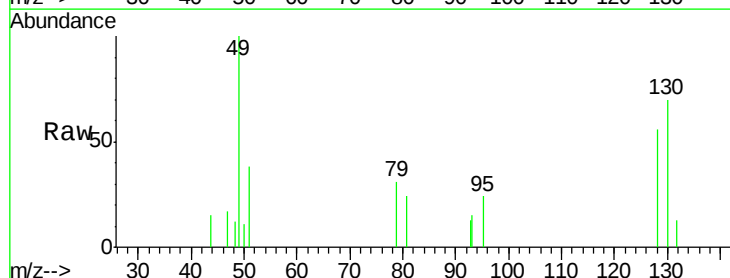
Ion Ratio Lower Upper

128 100

49 180.1 110.3 204.9

130 126.6 82.0 152.4

51 67.7 40.8 61.2#

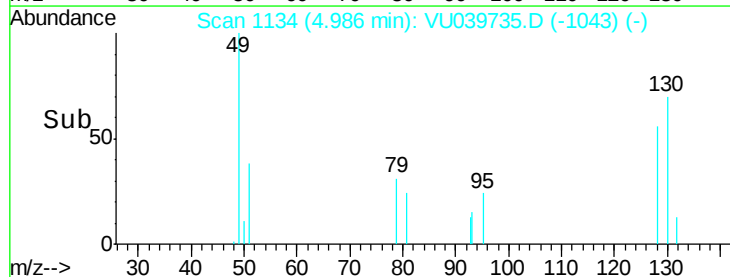
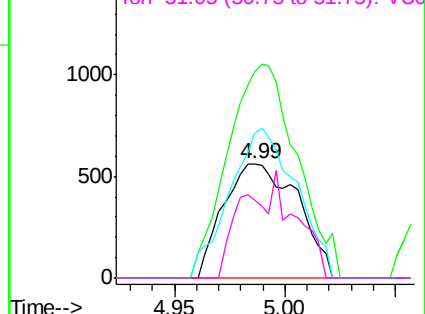


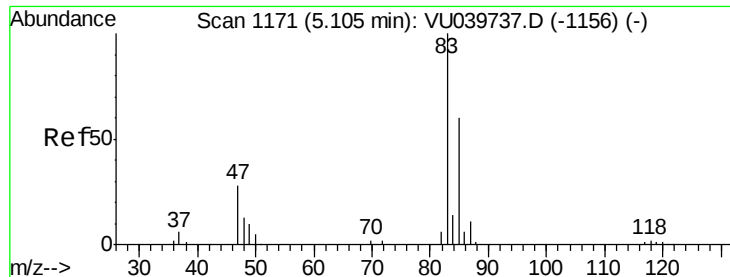
Abundance Ion 127.90 (127.60 to 128.60): VU039735.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039735.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039735.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039735.D (-1122) (-)

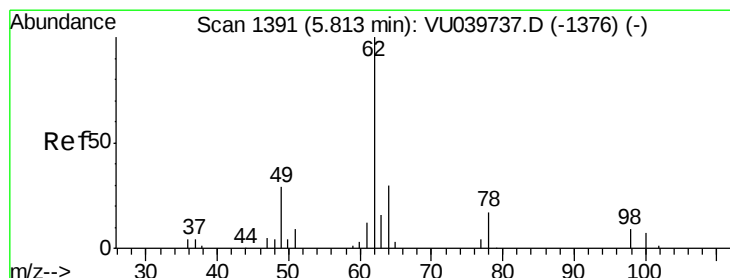
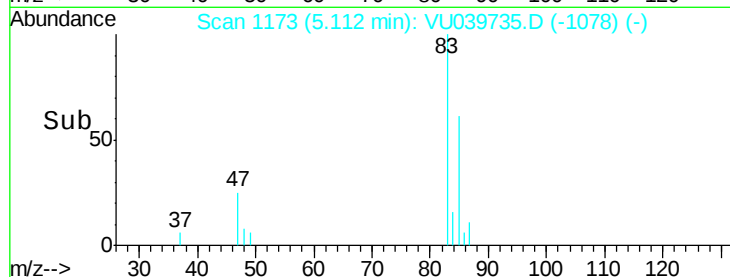
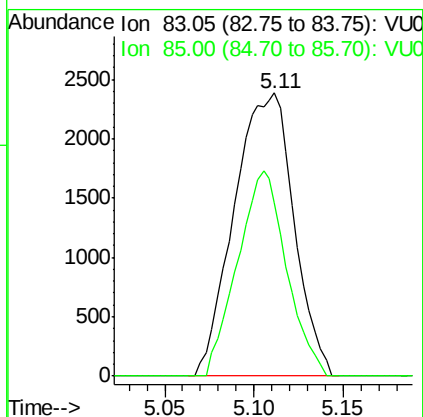
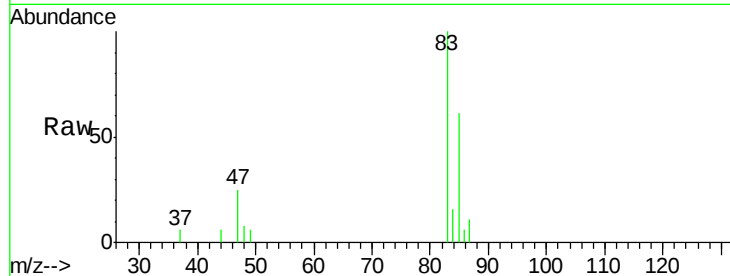




#25
Chloroform
Concen: 0.579 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

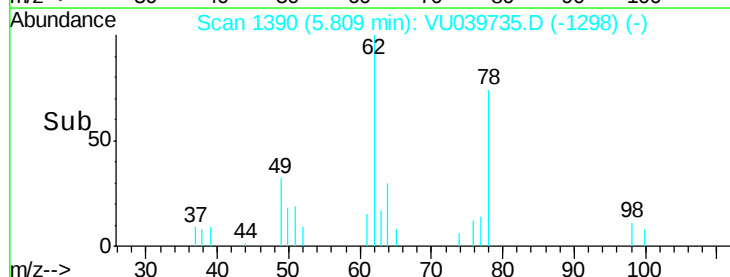
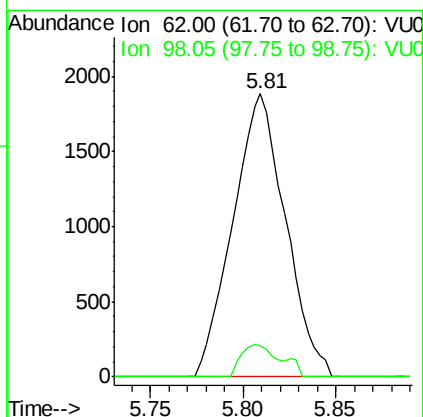
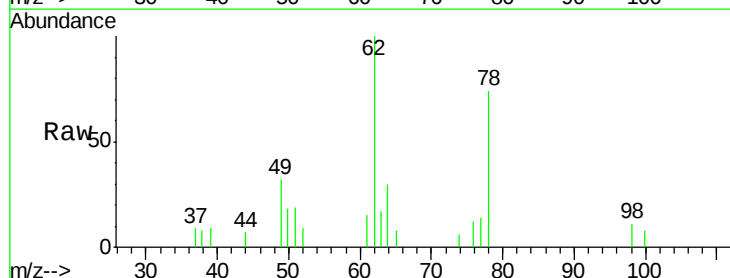
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

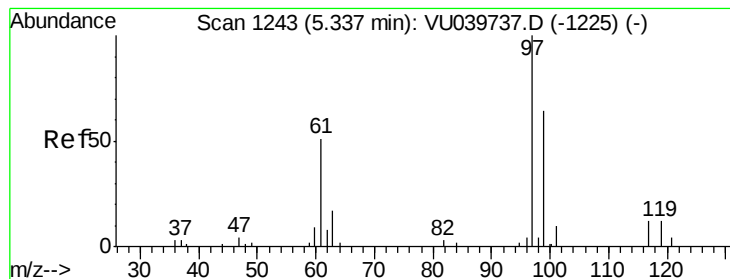
Tgt Ion: 83 Resp: 5560
Ion Ratio Lower Upper
83 100
85 61.1 42.1 78.3



#27
1,2-Dichloroethane
Concen: 0.569 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Tgt Ion: 62 Resp: 3706
Ion Ratio Lower Upper
62 100
98 11.2 7.3 10.9#





#29

1,1,1-Trichloroethane

Concen: 0.493 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

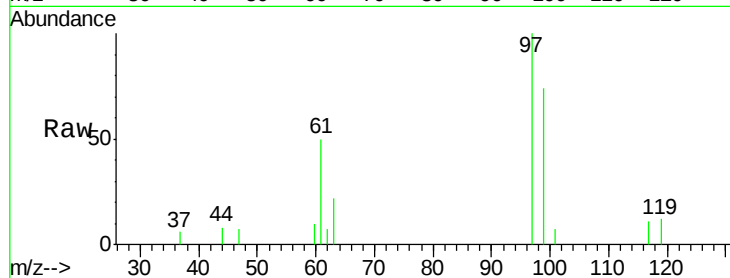
Tgt Ion: 97 Resp: 4143

Ion Ratio Lower Upper

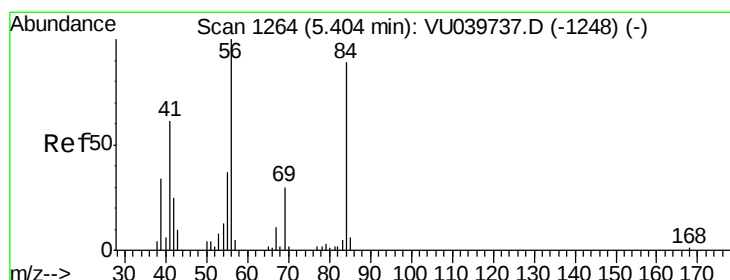
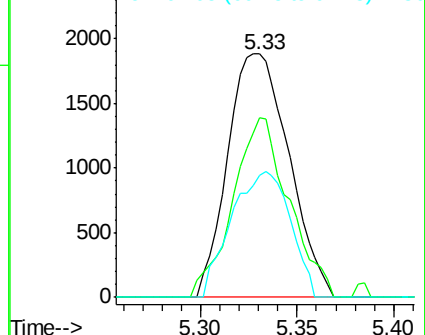
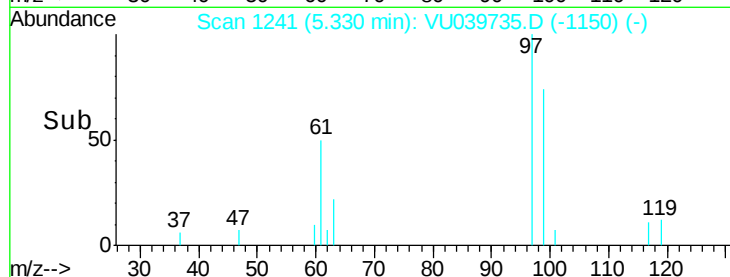
97 100

99 67.5 52.8 79.2

61 49.7 40.5 60.7



Abundance Ion 96.95 (96.65 to 97.65): VU039735.D (-1150) (-)



#30

Cyclohexane

Concen: 0.510 ug/L

RT: 5.40 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

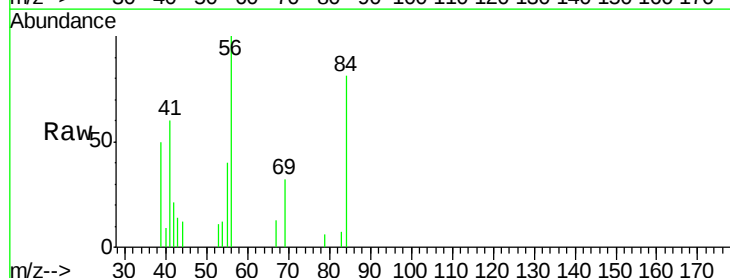
Tgt Ion: 56 Resp: 3826

Ion Ratio Lower Upper

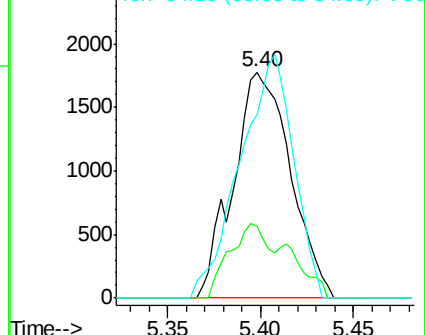
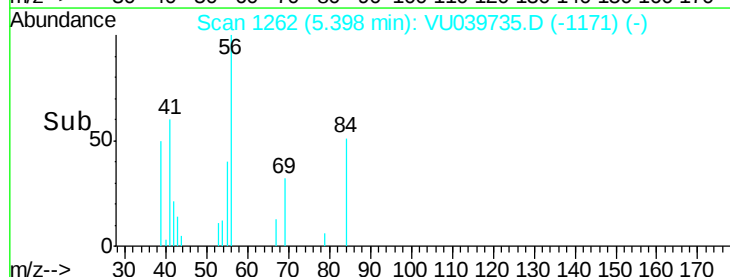
56 100

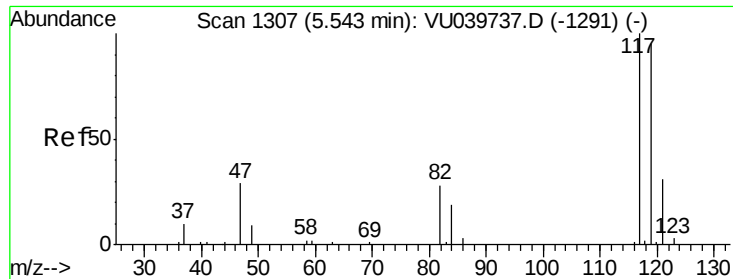
69 22.7 24.4 36.6#

84 100.4 71.3 106.9



Abundance Ion 56.10 (55.80 to 56.80): VU039735.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 0.577 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

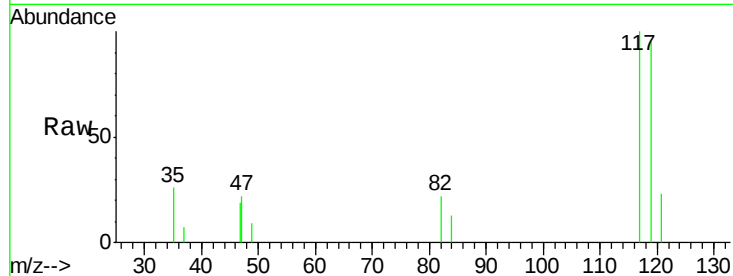
VSTD0.501

Tgt Ion:117 Resp: 4186

Ion Ratio Lower Upper

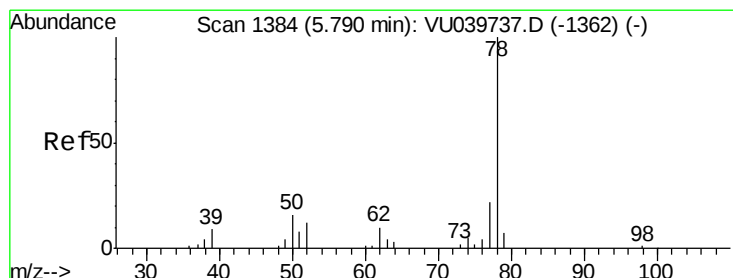
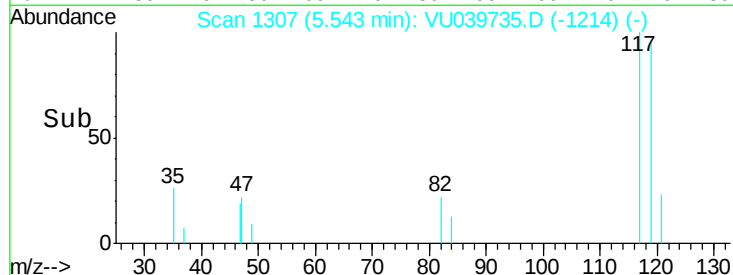
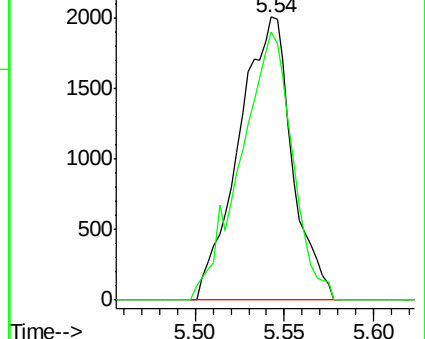
117 100

119 91.7 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.518 ug/L

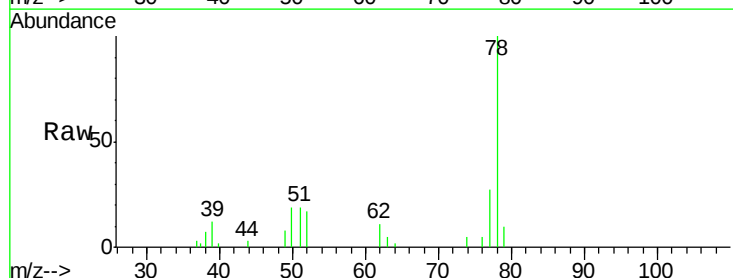
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

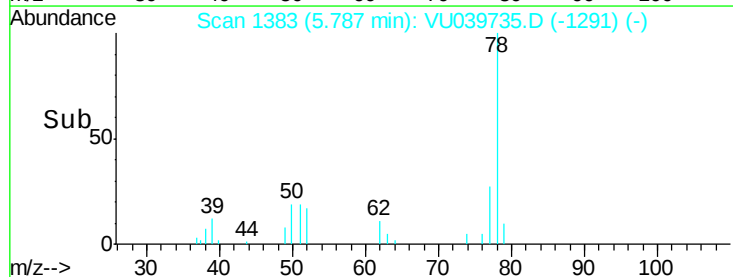
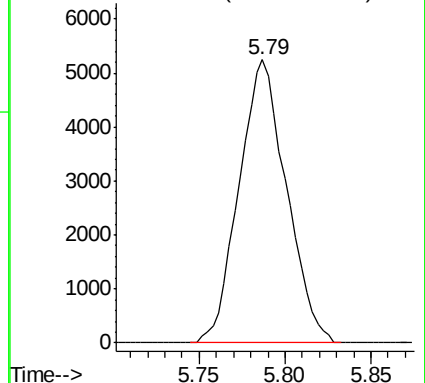
Lab File: VU039735.D

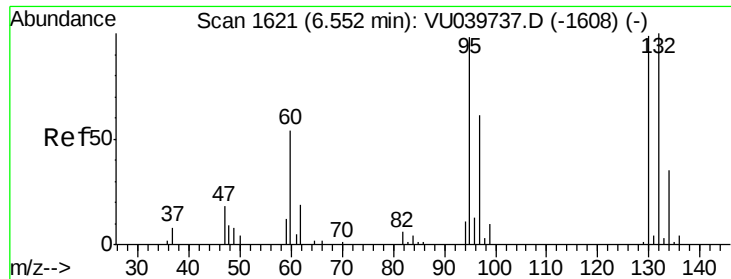
Acq: 03 Aug 2020 13:16

Tgt Ion: 78 Resp: 10029



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.519 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

Tgt Ion: 95 Resp: 2750

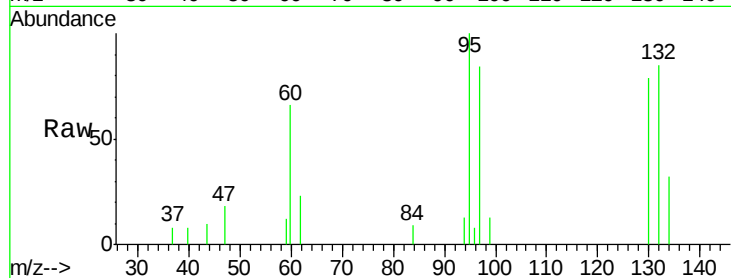
Ion Ratio Lower Upper

95 100

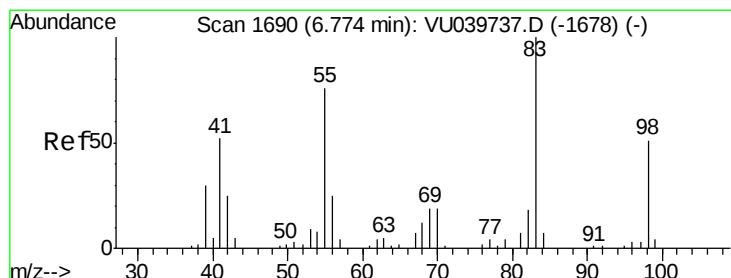
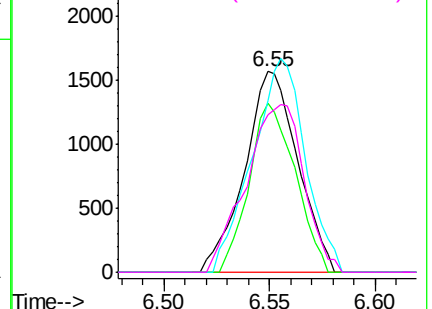
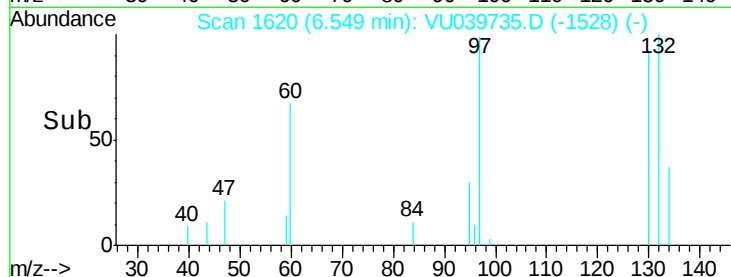
97 83.9 44.0 81.8#

132 85.2 71.7 133.3

130 78.6 71.1 132.1



Abundance Ion 95.00 (94.70 to 95.70): VU039735.D (-1528) (-)



#35

Methylcyclohexane

Concen: 0.533 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

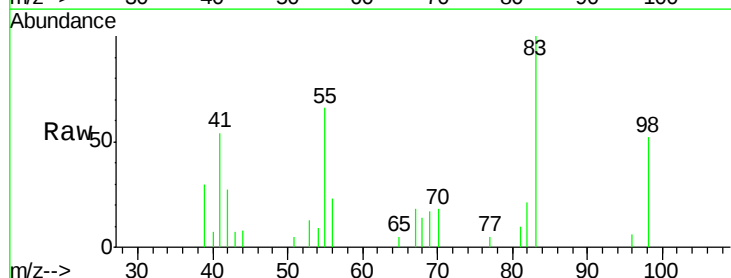
Tgt Ion: 83 Resp: 4210

Ion Ratio Lower Upper

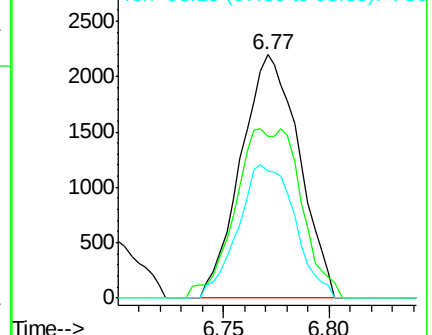
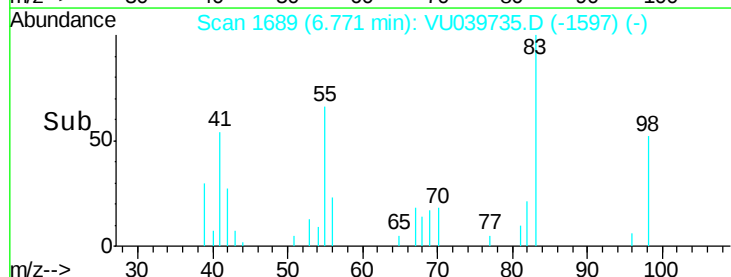
83 100

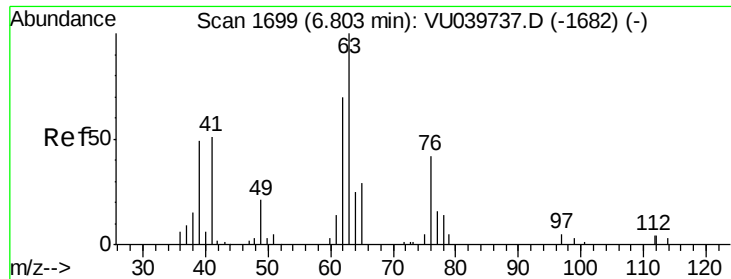
55 41.4 59.4 89.0#

98 53.3 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VU039735.D (-1597) (-)

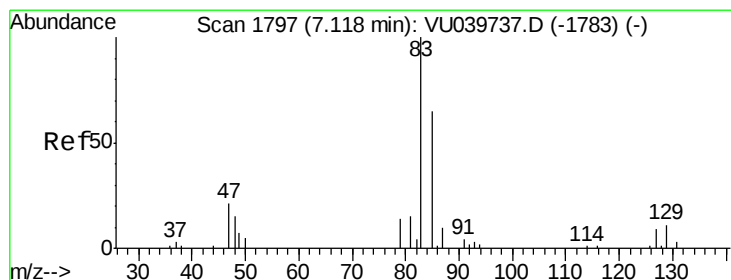
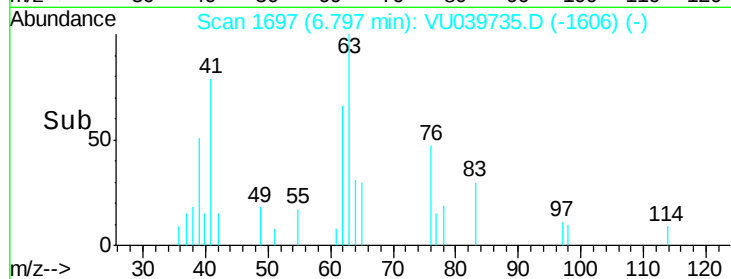
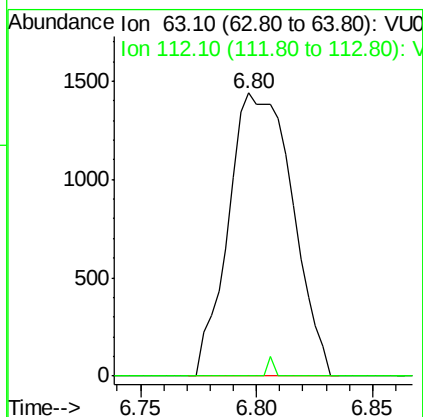
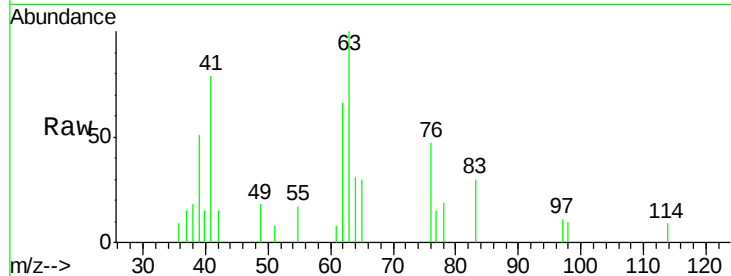




#37
 1,2-Dichloropropane
 Concen: 0.518 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

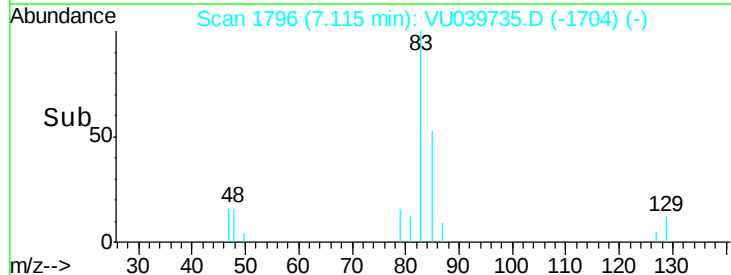
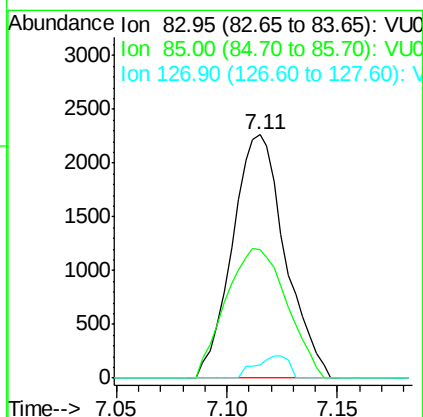
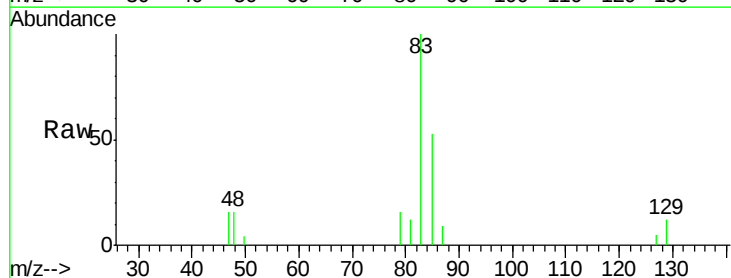
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

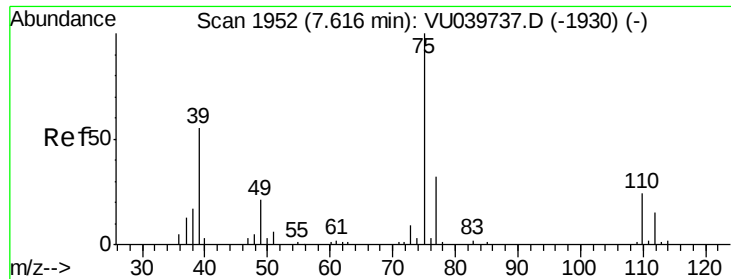
Tgt Ion: 63 Resp: 2749
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.538 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion: 83 Resp: 3756
 Ion Ratio Lower Upper
 83 100
 85 52.8 45.3 84.1
 127 5.3 7.5 11.3#

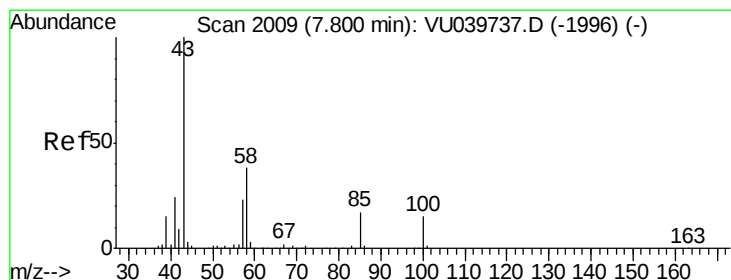
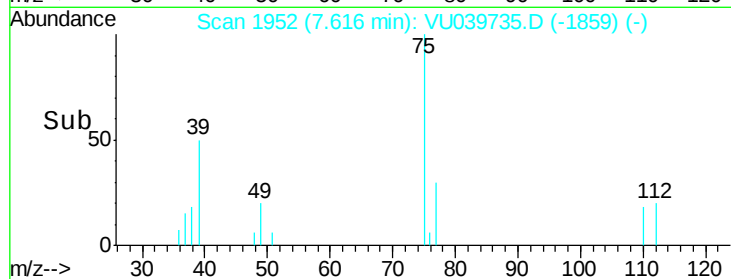
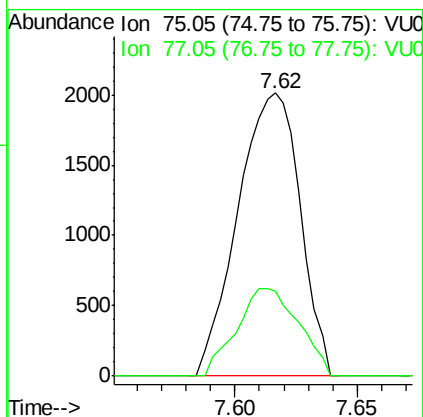
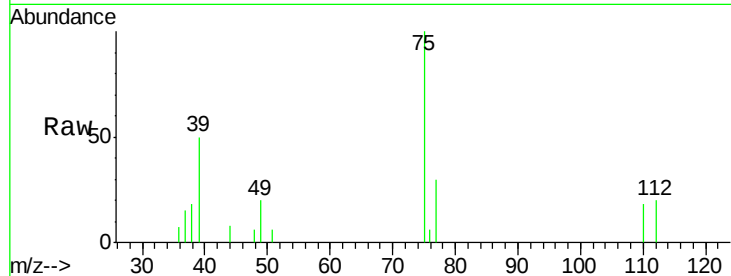




#39
 cis-1,3-Dichloropropene
 Concen: 0.470 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

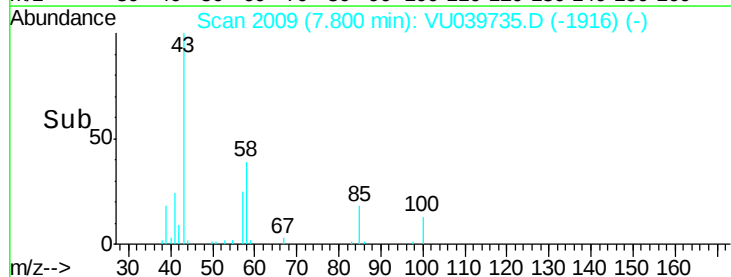
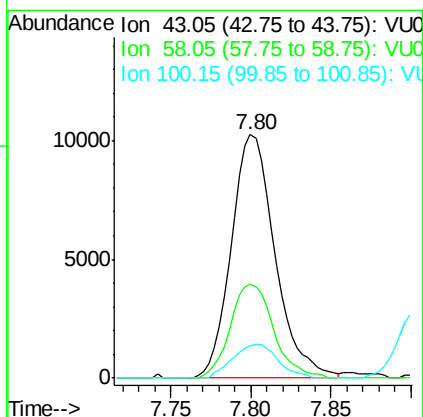
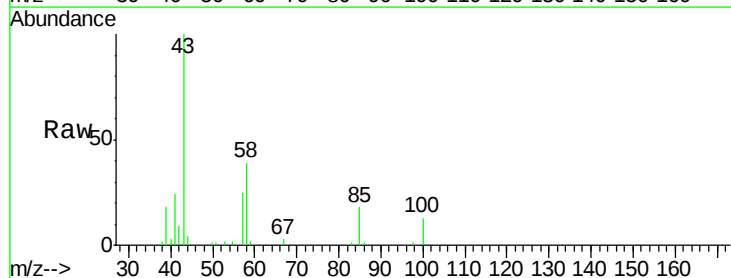
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

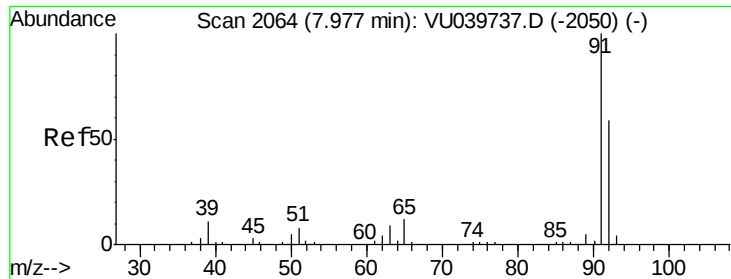
Tgt Ion: 75 Resp: 3563
 Ion Ratio Lower Upper
 75 100
 77 29.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 4.602 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion: 43 Resp: 19107
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.4 44.2
 100 14.4 11.7 17.5





#42

Toluene

Concen: 0.527 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

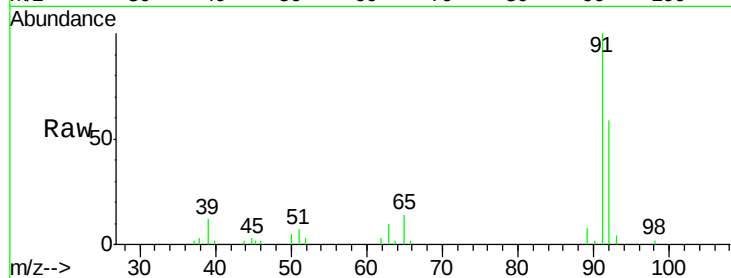
VSTD0.501

Tgt Ion: 91 Resp: 11019

Ion Ratio Lower Upper

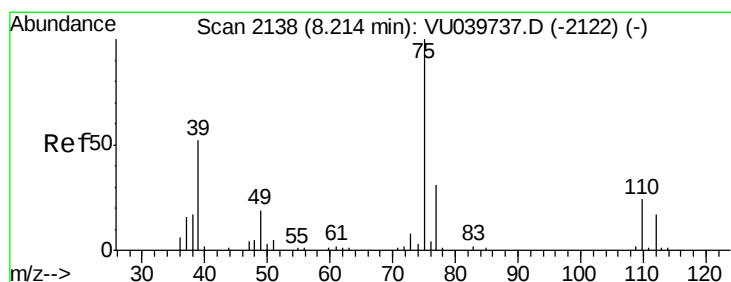
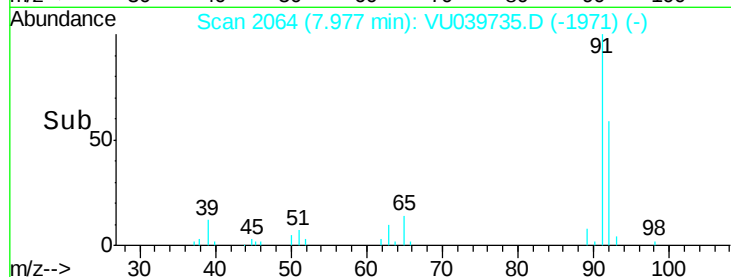
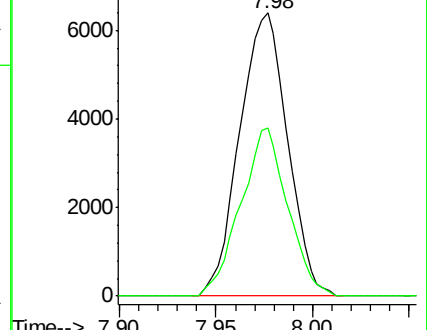
91 100

92 59.5 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039735.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039735.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.446 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039735.D

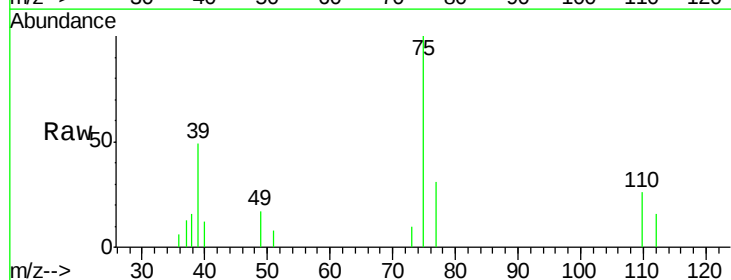
Acq: 03 Aug 2020 13:16

Tgt Ion: 75 Resp: 3105

Ion Ratio Lower Upper

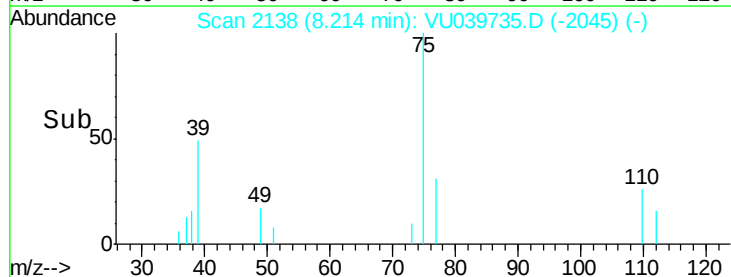
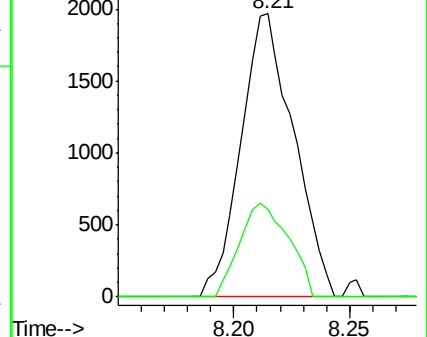
75 100

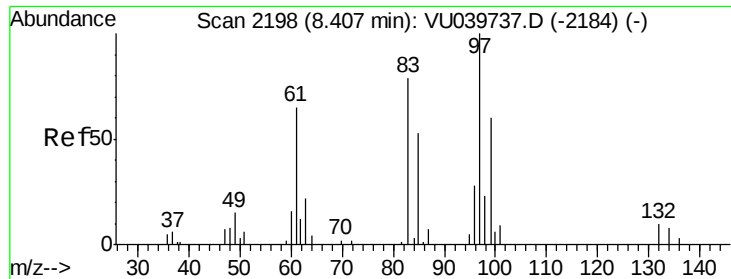
77 31.0 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039735.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU039735.D (-2045) (-)

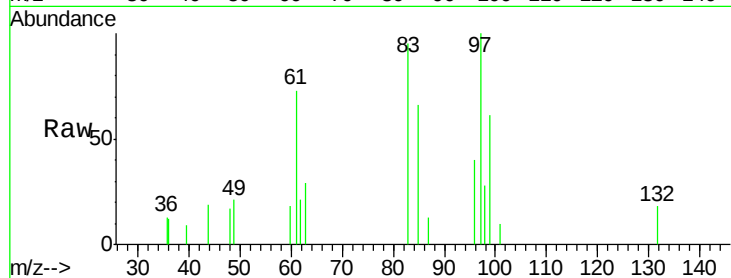




#45
 1,1,2-Trichloroethane
 Concen: 0.483 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tgt Ion:	97	Resp:	1986
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.0	78.0
83	95.3	55.2	102.4
85	65.9	37.0	68.6

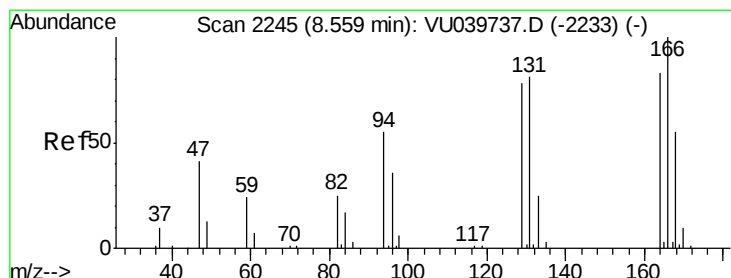
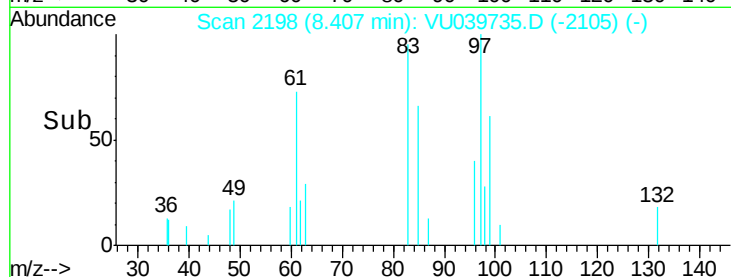
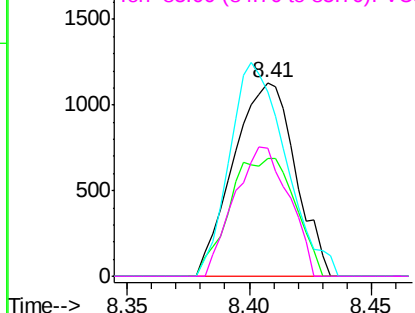


Abundance Ion 96.95 (96.65 to 97.65): VU039735.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU039735.D (-2105) (-)

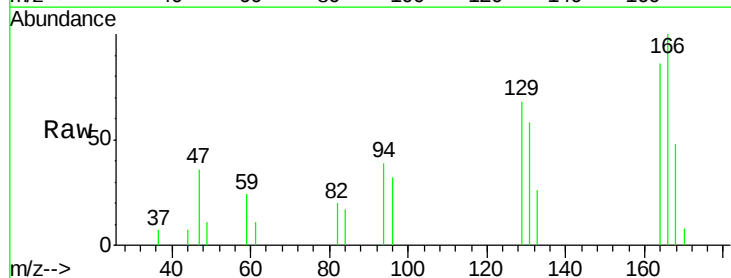
Ion 82.95 (82.65 to 83.65): VU039735.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU039735.D (-2105) (-)



#47
 Tetrachloroethene
 Concen: 0.653 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion:	164	Resp:	2411
Ion	Ratio	Lower	Upper
164	100		
129	79.5	65.9	122.5
131	68.1	68.1	126.5
166	116.7	84.5	156.9

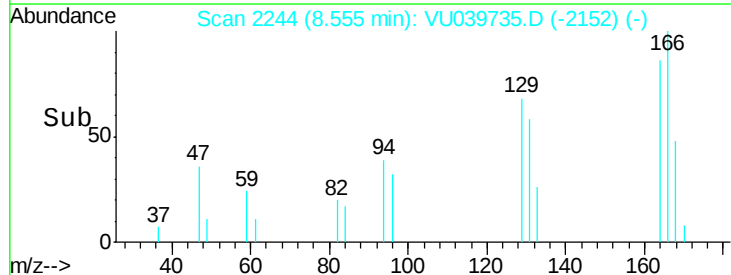
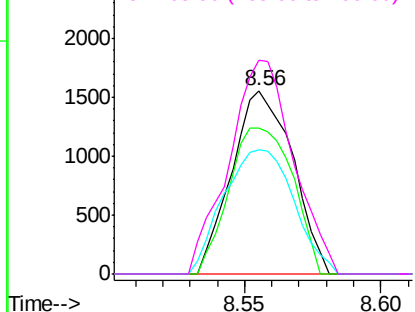


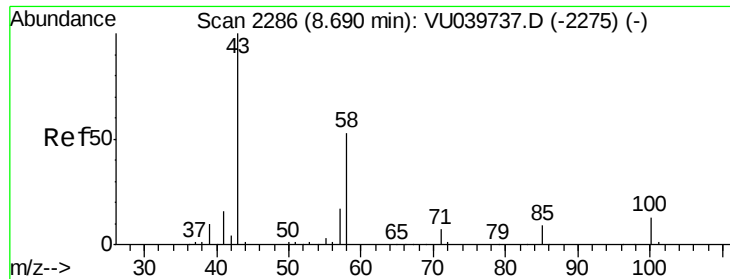
Abundance Ion 163.90 (163.60 to 164.60): VU039735.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU039735.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU039735.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU039735.D (-2152) (-)



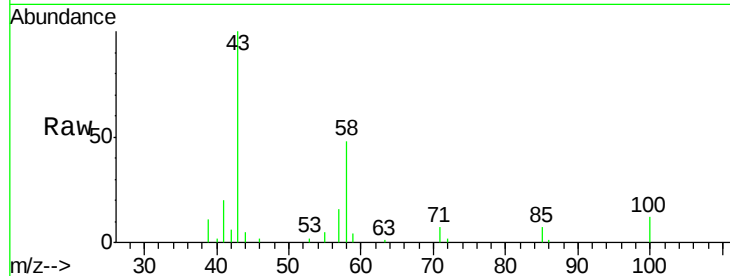


#48
2-Hexanone
Concen: 4.583 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tgt Ion: 43 Resp: 14114

Ion	Ratio	Lower	Upper
43	100		
58	51.9	41.8	62.8
57	16.0	14.2	21.4
100	11.8	9.4	14.2

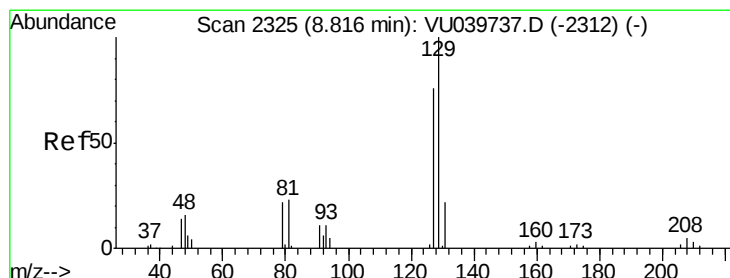
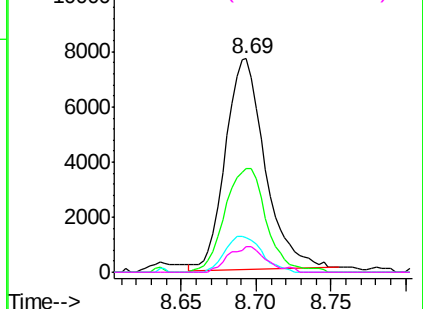
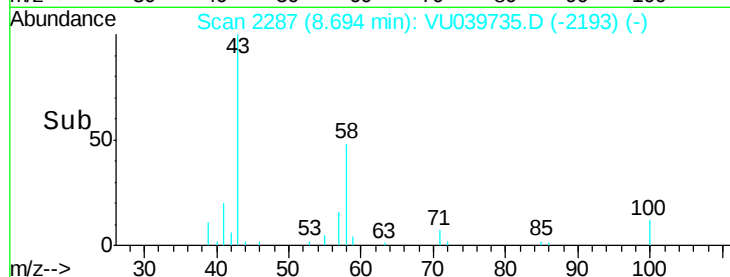


Abundance Ion 43.05 (42.75 to 43.75): VU039735.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU039735.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU039735.D (-2193) (-)

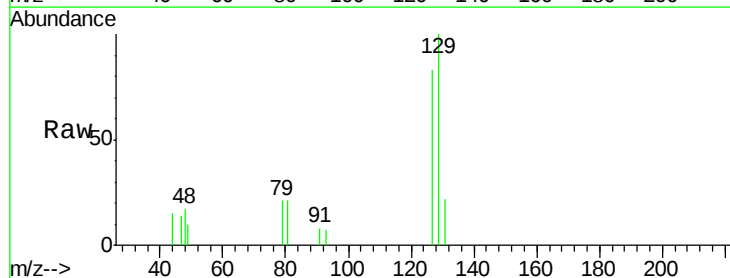
Ion 100.15 (99.85 to 100.85): VU039735.D (-2193) (-)



#49
Dibromochloromethane
Concen: 0.484 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

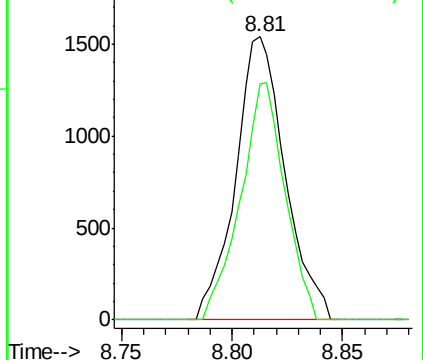
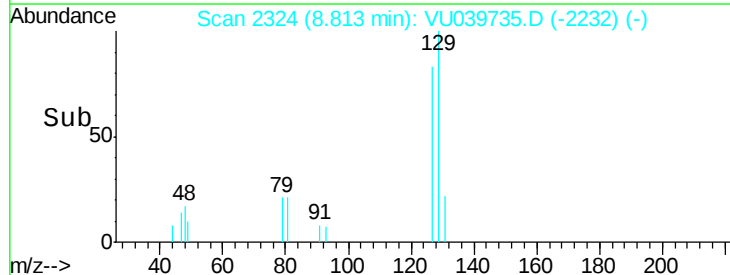
Tgt Ion: 129 Resp: 2400

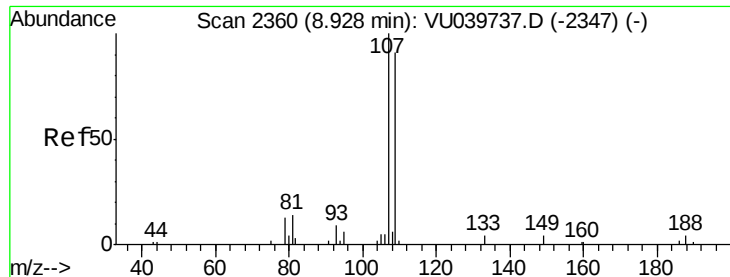
Ion	Ratio	Lower	Upper
129	100		
127	83.3	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039735.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU039735.D (-2232) (-)

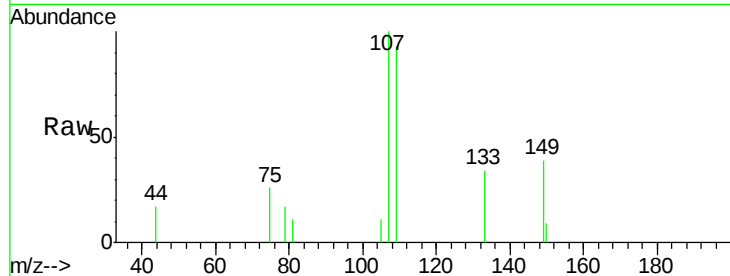




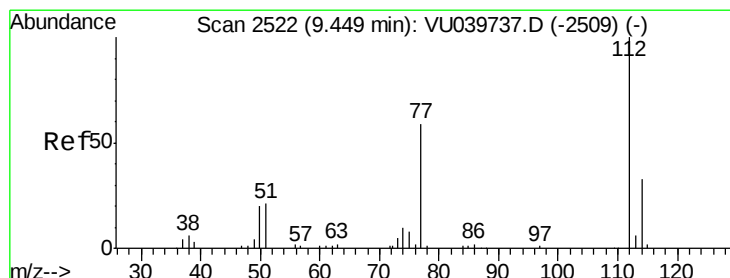
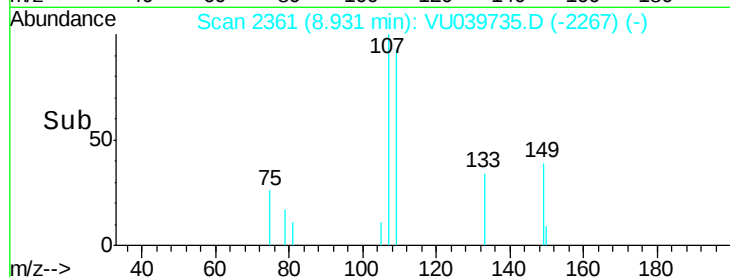
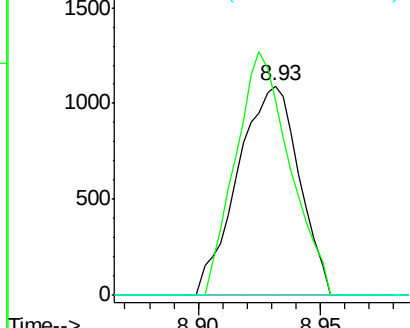
#50
 1,2-Dibromoethane
 Concen: 0.474 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tgt Ion:107 Resp: 1906
 Ion Ratio Lower Upper
 107 100
 109 92.9 63.9 118.7
 188 0.0 2.9 4.3#

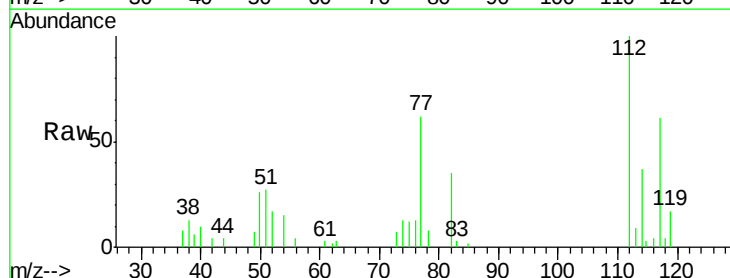


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

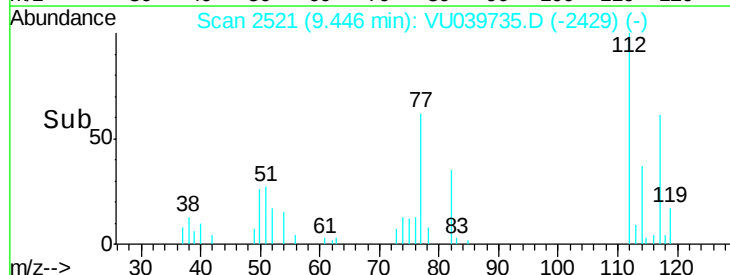
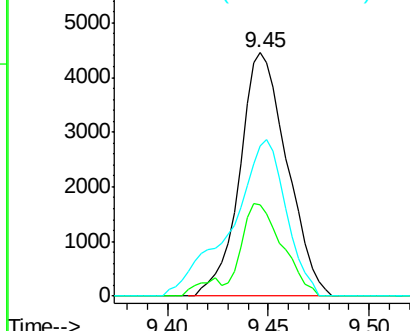


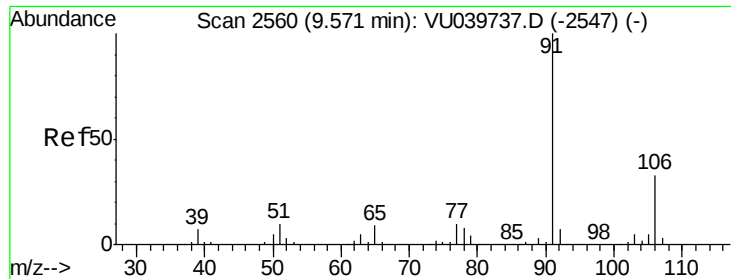
#51
 Chlorobenzene
 Concen: 0.536 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion:112 Resp: 7295
 Ion Ratio Lower Upper
 112 100
 114 37.4 23.2 43.0
 77 61.8 47.8 71.6



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): V





#52

Ethylbenzene

Concen: 0.508 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

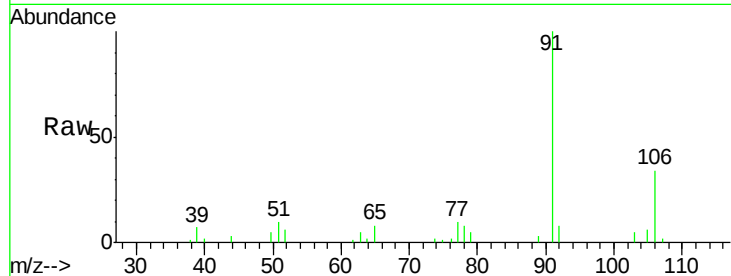
VSTD0.501

Tgt Ion: 91 Resp: 12105

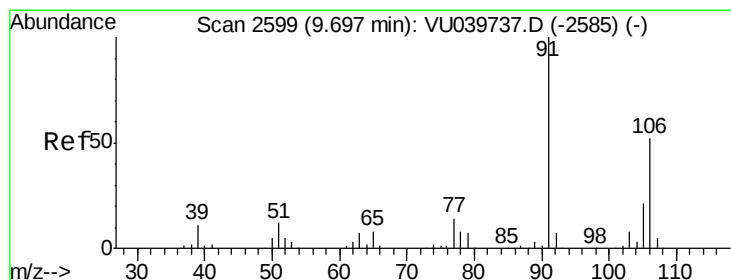
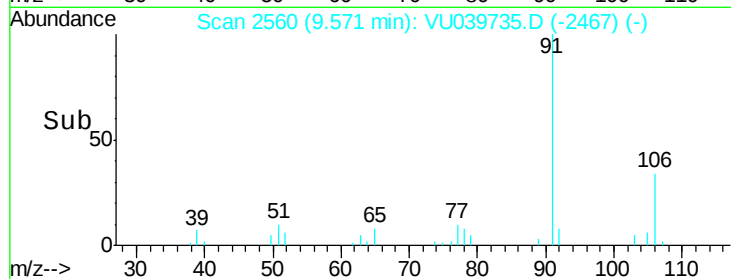
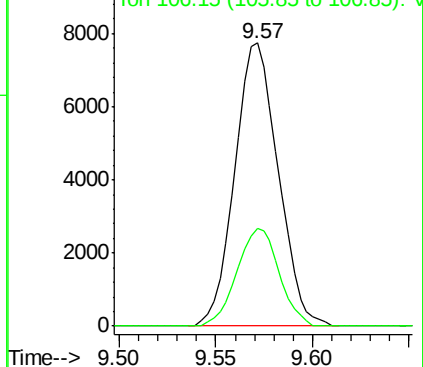
Ion Ratio Lower Upper

91 100

106 34.4 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039735.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.472 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039735.D

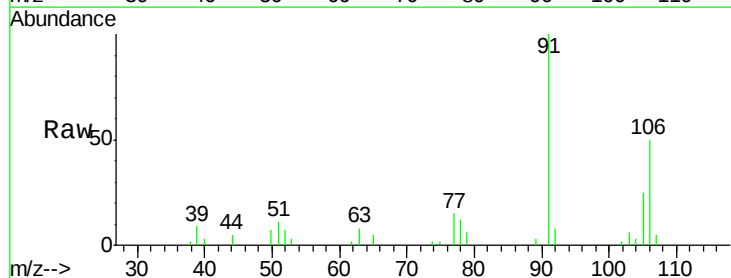
Acq: 03 Aug 2020 13:16

Tgt Ion: 106 Resp: 4239

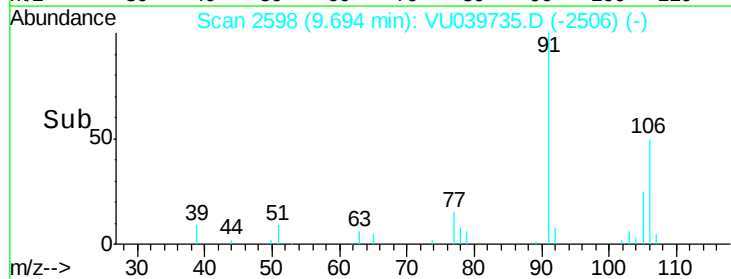
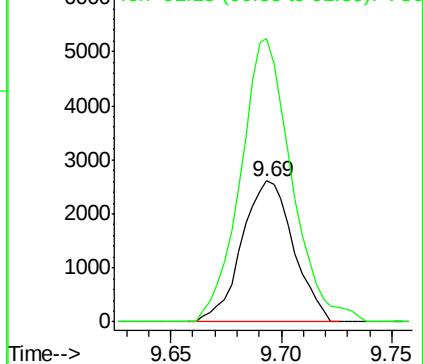
Ion Ratio Lower Upper

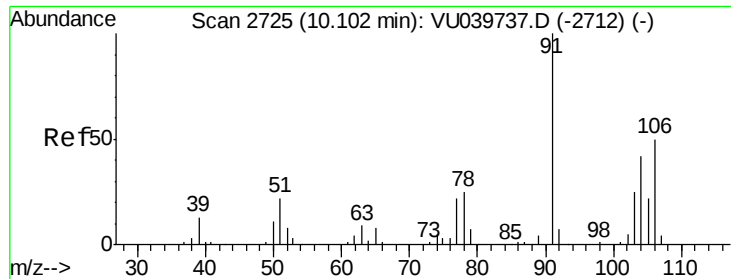
106 100

91 201.0 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039735.D (-2598) (-)

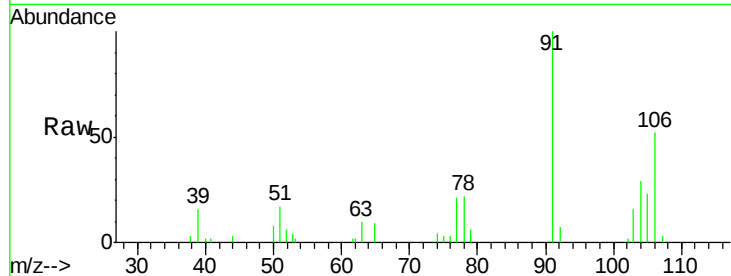




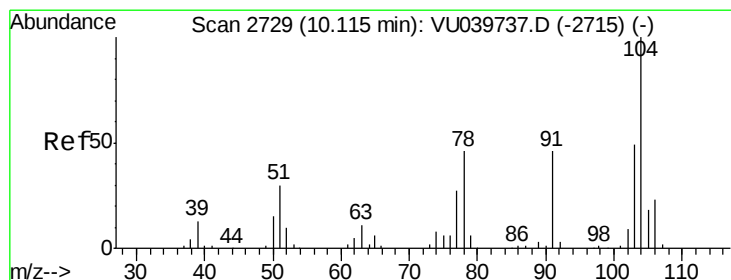
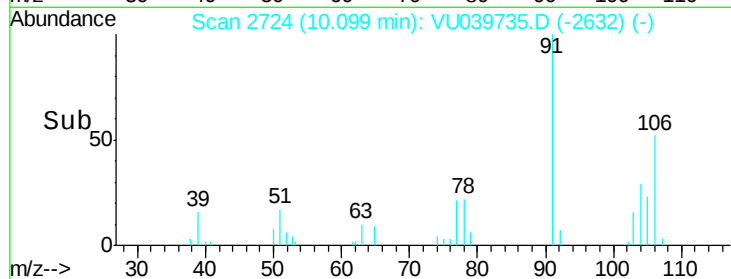
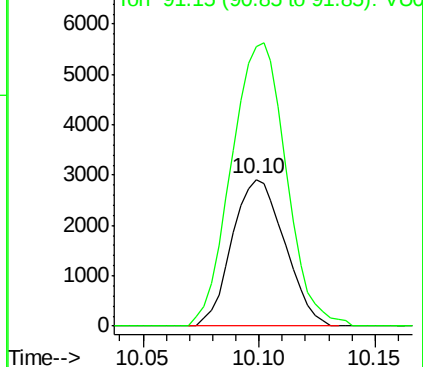
#54
o-Xylene
Concen: 0.522 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.501

Tgt Ion:106 Resp: 4585
Ion Ratio Lower Upper
106 100
91 190.8 140.8 261.6

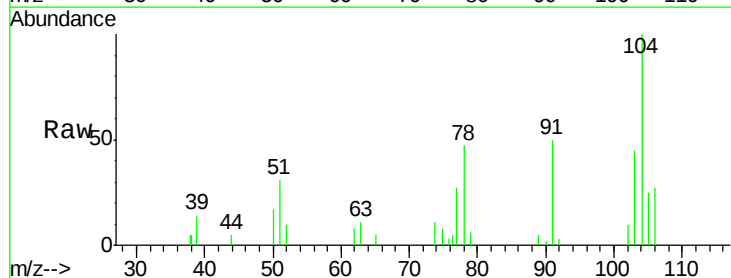


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

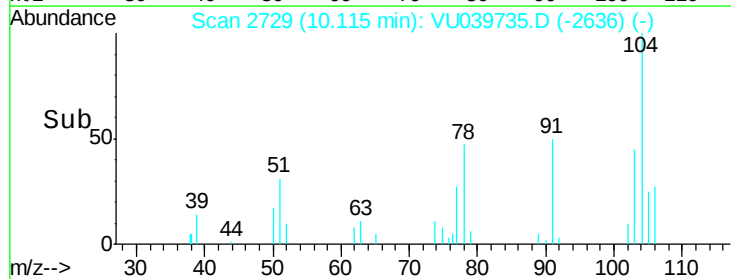
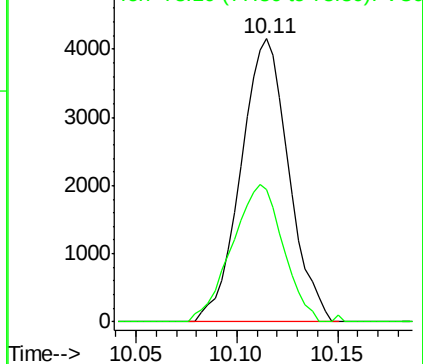


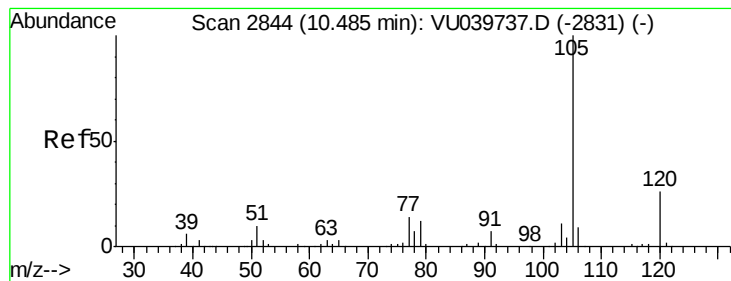
#55
Styrene
Concen: 0.471 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039735.D
Acq: 03 Aug 2020 13:16

Tgt Ion:104 Resp: 6902
Ion Ratio Lower Upper
104 100
78 47.0 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.483 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

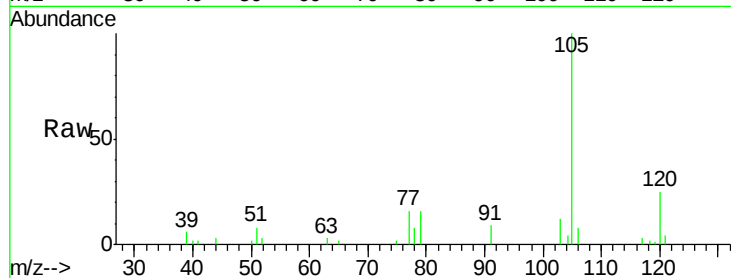
Tgt Ion: 105 Resp: 11462

Ion Ratio Lower Upper

105 100

120 27.3 21.0 31.6

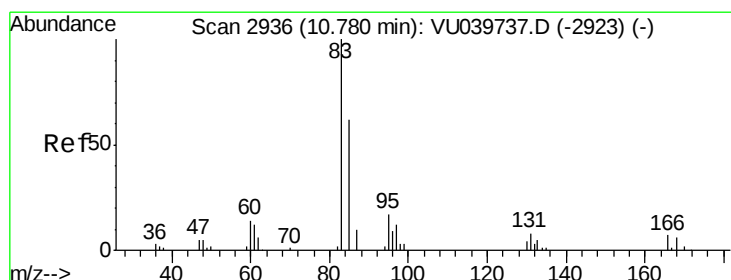
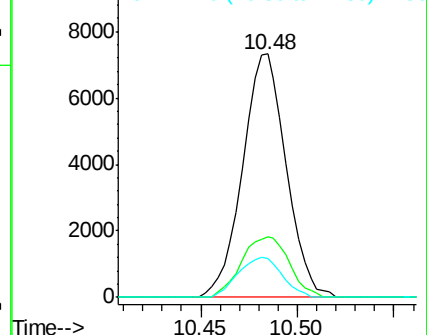
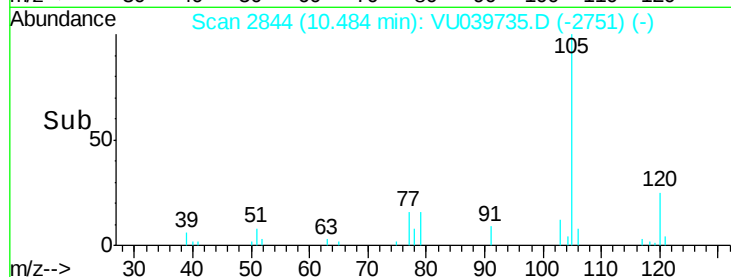
77 16.6 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.543 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

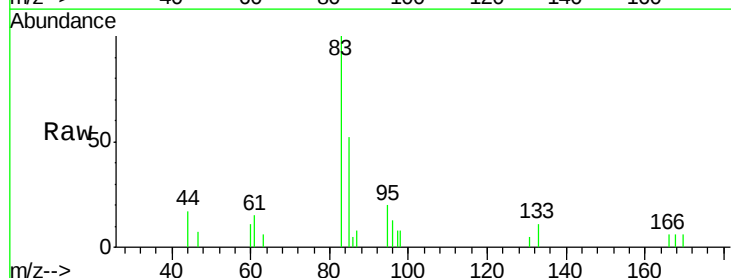
Tgt Ion: 83 Resp: 2861

Ion Ratio Lower Upper

83 100

85 52.1 44.4 82.4

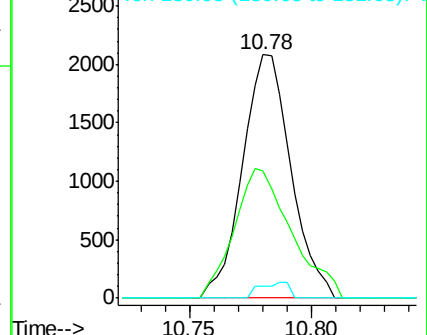
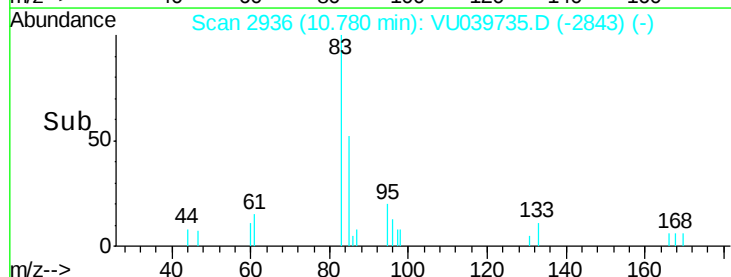
131 4.9 7.4 11.0#

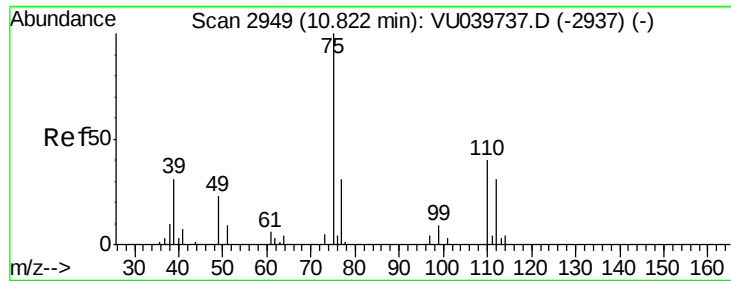


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

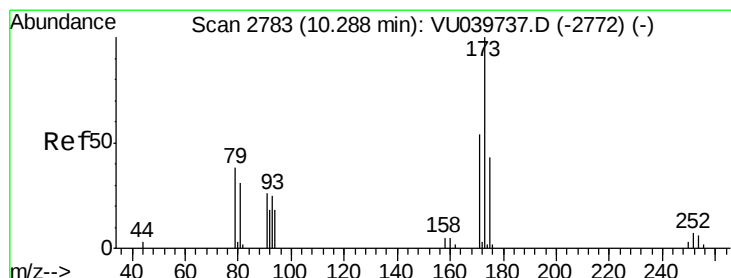
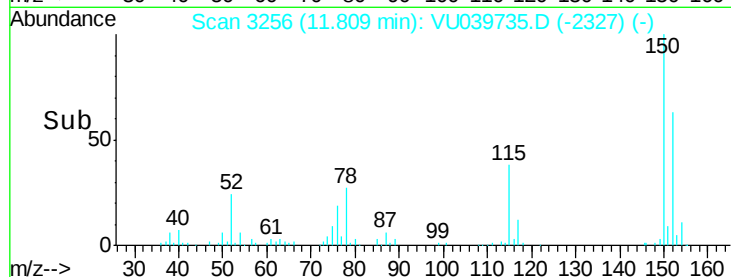
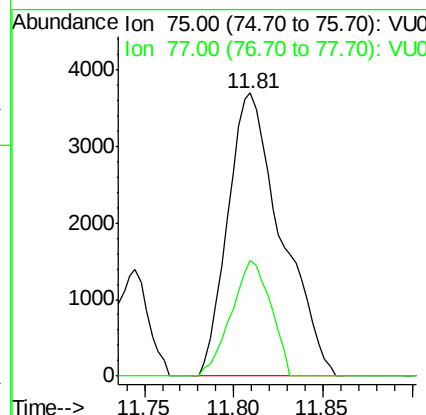
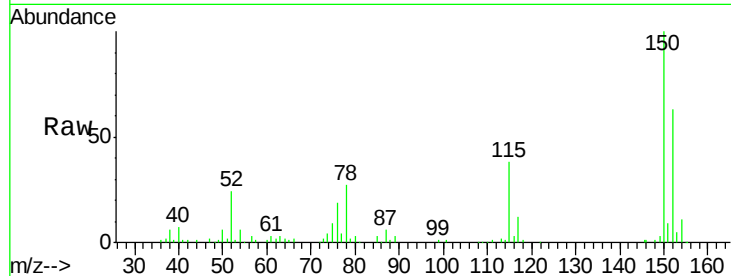




#59
 1,2,3-Trichloropropane
 Concen: 1.976 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

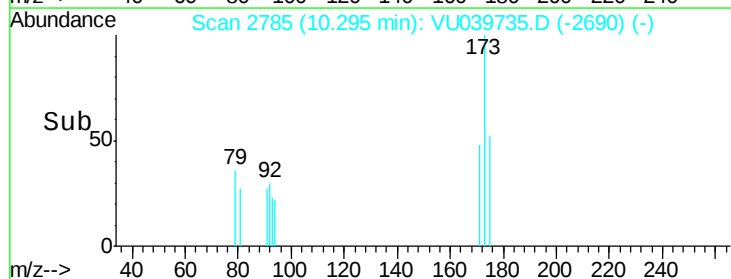
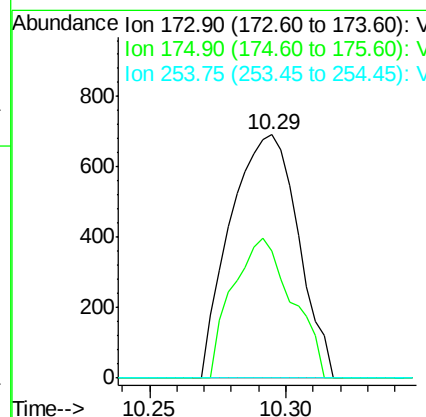
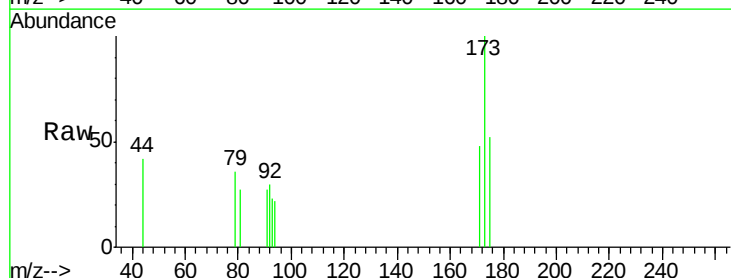
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

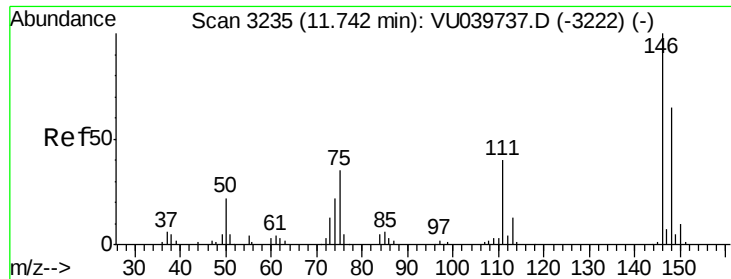
Tgt Ion: 75 Resp: 7718
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.6 37.0



#61
 Bromoform
 Concen: 0.437 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion: 173 Resp: 1193
 Ion Ratio Lower Upper
 173 100
 175 50.5 33.8 50.8
 254 0.0 5.5 8.3#

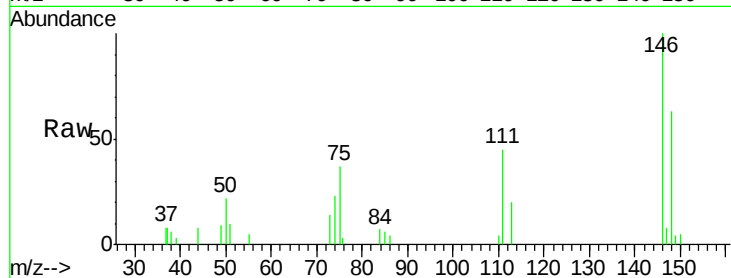




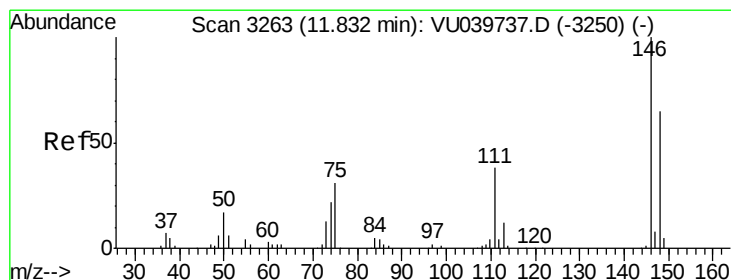
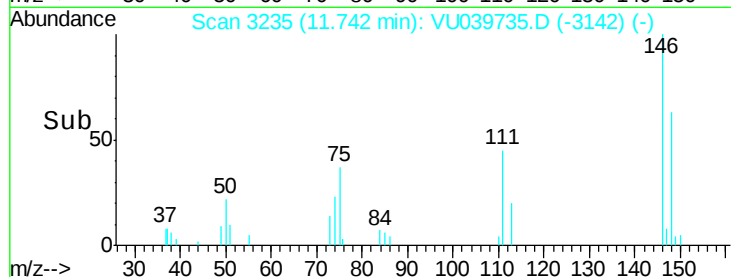
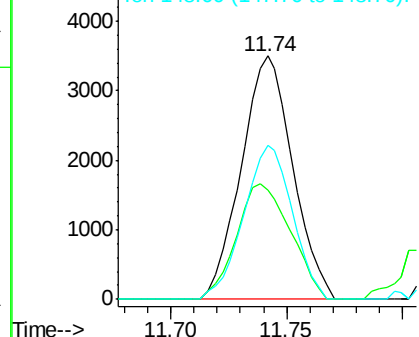
#62
 1,3-Dichlorobenzene
 Concen: 0.505 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tgt Ion:146 Resp: 5406
 Ion Ratio Lower Upper
 146 100
 111 45.1 27.7 51.5
 148 63.2 45.2 84.0

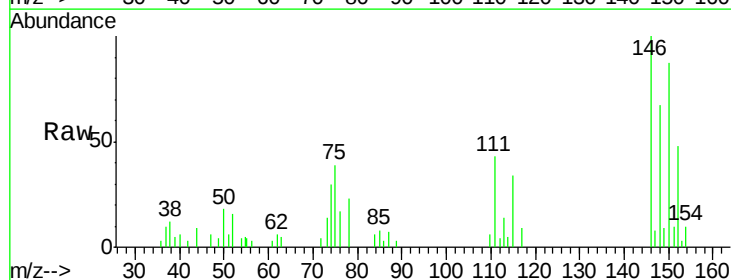


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

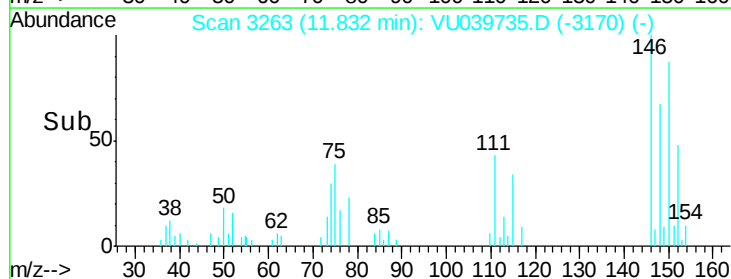
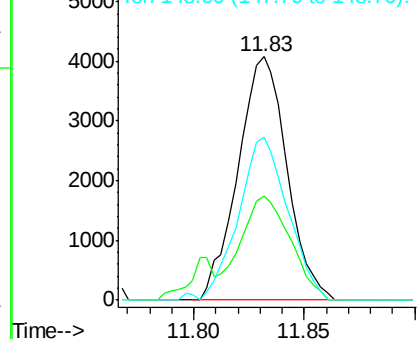


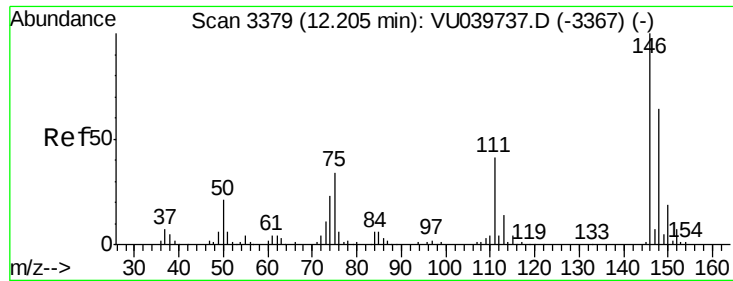
#63
 1,4-Dichlorobenzene
 Concen: 0.576 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion:146 Resp: 6279
 Ion Ratio Lower Upper
 146 100
 111 42.8 26.5 49.3
 148 67.0 45.3 84.1



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

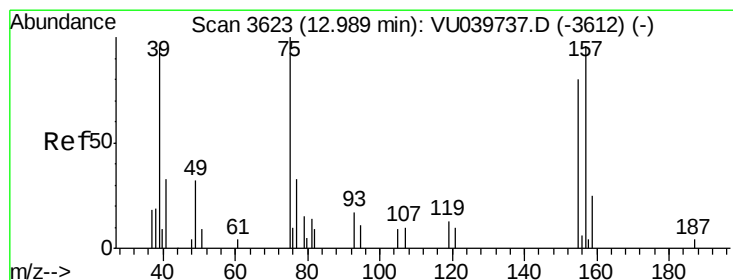
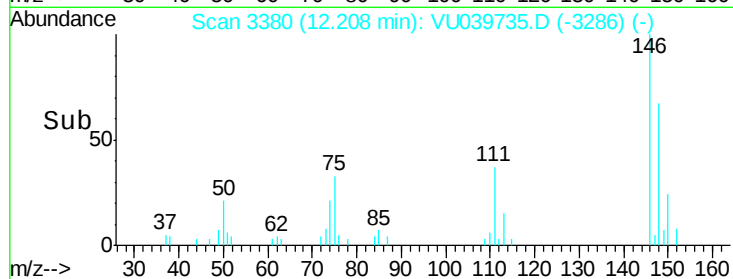
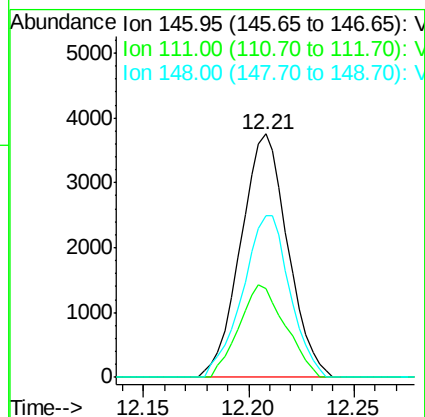
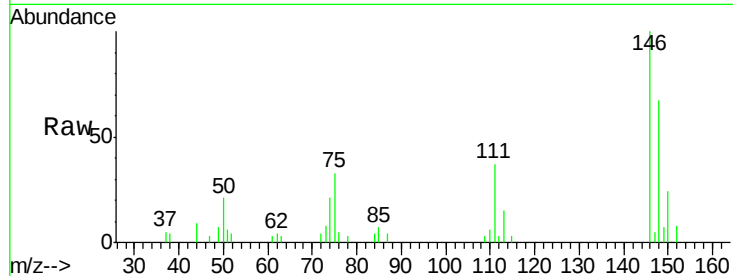




#65
 1,2-Dichlorobenzene
 Concen: 0.562 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

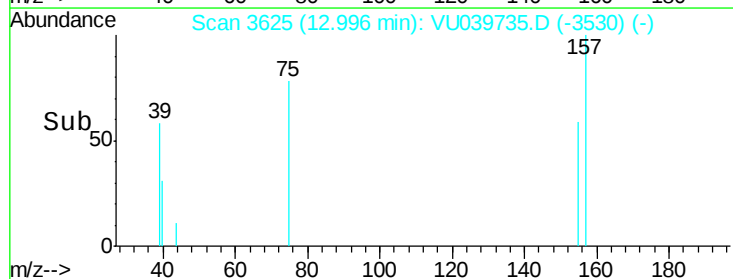
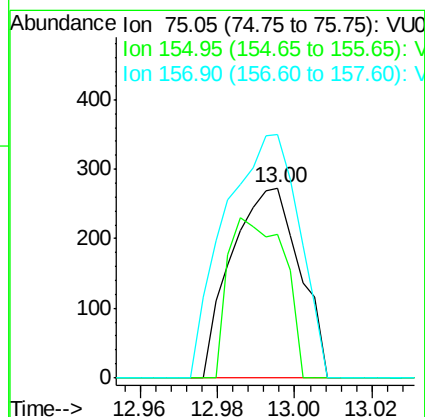
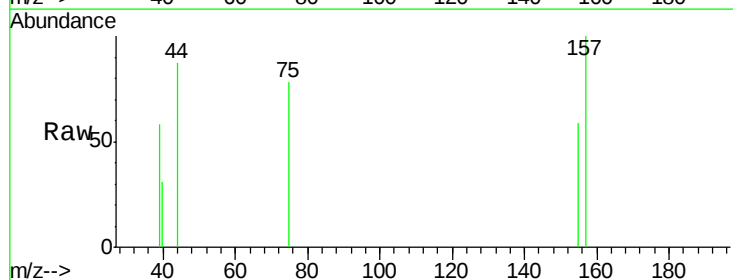
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

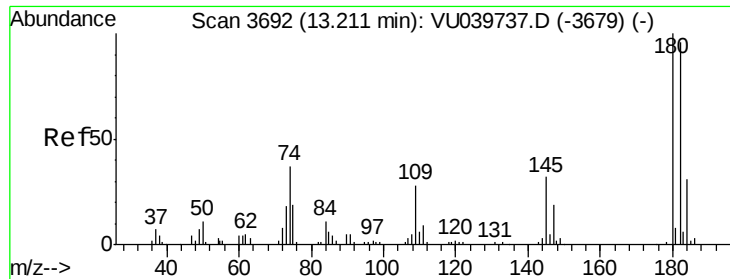
Tgt Ion: 146 Resp: 5817
 Ion Ratio Lower Upper
 146 100
 111 36.5 33.1 49.7
 148 66.5 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.437 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. 0.01 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion: 75 Resp: 334
 Ion Ratio Lower Upper
 75 100
 155 75.8 64.0 96.0
 157 128.2 77.0 115.6#

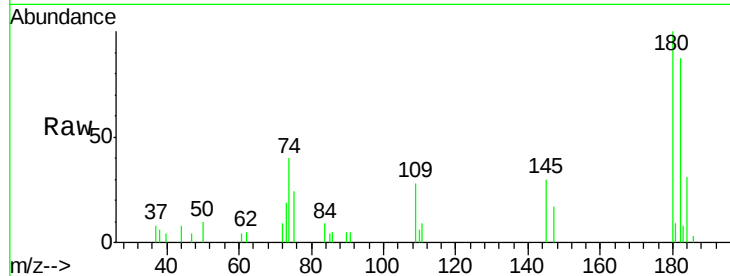




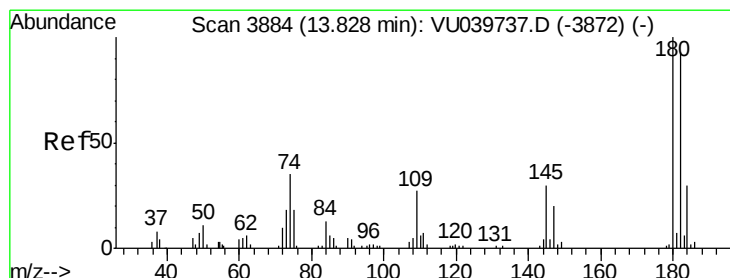
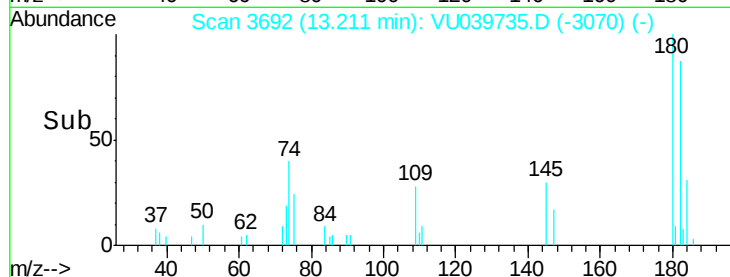
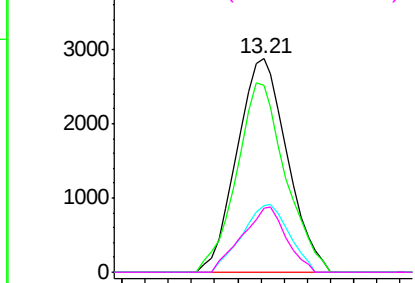
#67
 1,3,5-Trichlorobenzene
 Concen: 0.562 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.501

Tgt Ion:180 Resp: 4321
 Ion Ratio Lower Upper
 180 100
 182 85.8 74.9 112.3
 184 29.8 25.3 37.9
 145 26.9 25.0 37.6

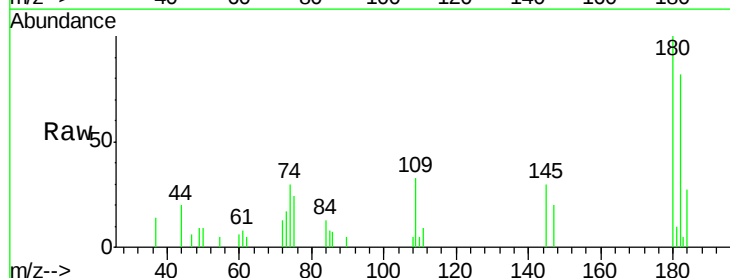


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

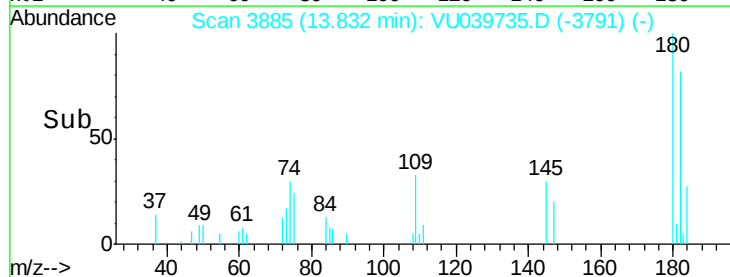
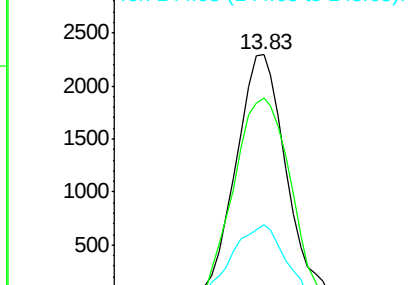


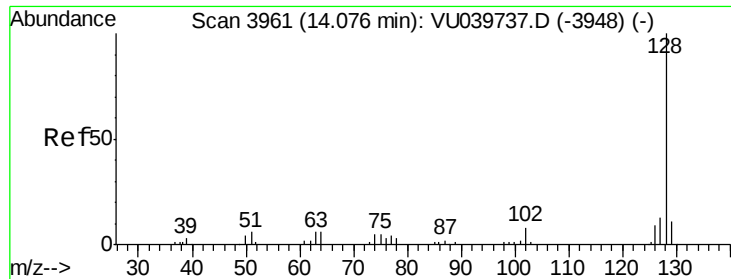
#68
 1,2,4-trichlorobenzene
 Concen: 0.532 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039735.D
 Acq: 03 Aug 2020 13:16

Tgt Ion:180 Resp: 3423
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.7 113.5
 145 30.9 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.430 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.501

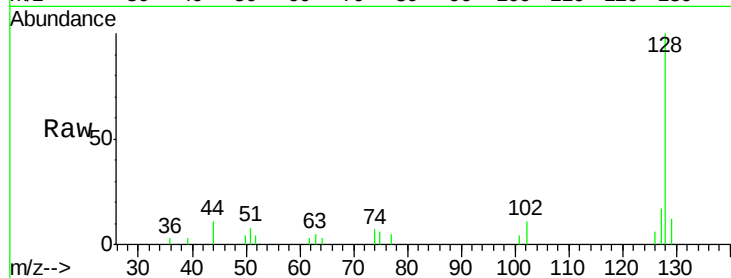
Tgt Ion:128 Resp: 4751

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

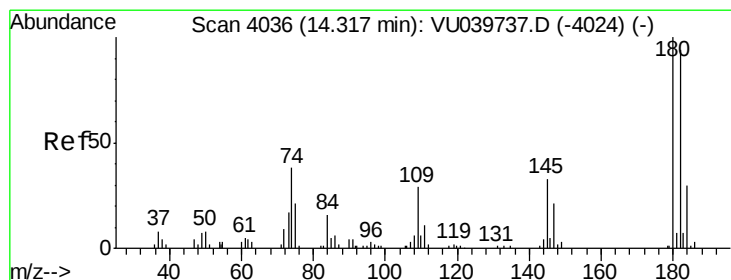
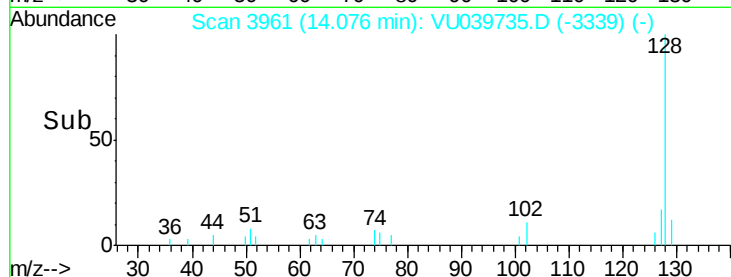
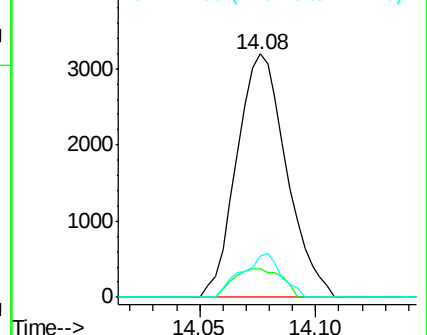
127 14.5 10.1 15.1



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



#70

1,2,3-Trichlorobenzene

Concen: 0.466 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039735.D

Acq: 03 Aug 2020 13:16

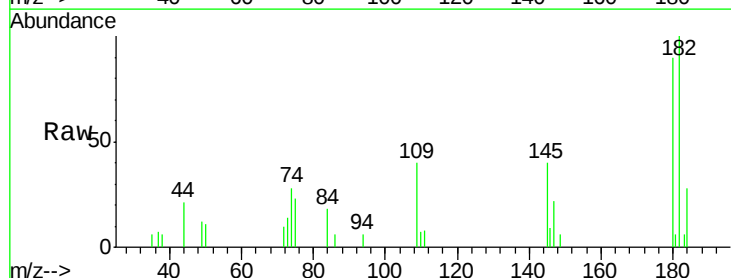
Tgt Ion:180 Resp: 2704

Ion Ratio Lower Upper

180 100

182 110.3 76.1 114.1

145 38.4 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

