

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031120\
 Data File : VU037154.D
 Acq On : 10 Mar 2020 16:17
 Operator : JC/MD
 Sample : VSTD00106
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Quant Time: Mar 11 08:57:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Mar 11 08:42:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	120805	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	122361	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	51668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	8059	0.81	ug/L	0.00
7) Chloroethane-d5	1.93	69	5767	0.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	15428	0.89	ug/L	0.00
20) 2-Butanone-d5	4.69	46	18765	8.76	ug/L	0.00
24) Chloroform-d	5.11	84	15356	0.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	9554	1.03	ug/L	0.00
32) Benzene-d6	5.76	84	28138	0.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	9142	0.80	ug/L	0.00
41) Toluene-d8	7.92	98	25668	0.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	3486	0.77	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	14183	6.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	7601	0.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	8612	0.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	15566	1.629 ug/L	100
3) Chloromethane	1.54	50	13245	1.422 ug/L	98
5) Vinyl chloride	1.62	62	11334	1.105 ug/L #	80
6) Bromomethane	1.87	94	4416	0.782 ug/L	90
8) Chloroethane	1.95	64	6075	0.900 ug/L	95
9) Trichlorofluoromethane	2.16	101	16570	1.208 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	8301	0.986 ug/L	97
12) 1,1-Dichloroethene	2.60	96	7491	0.990 ug/L	96
13) Acetone	2.68	43	16450	6.322 ug/L	97
14) Carbon disulfide	2.82	76	25332	1.281 ug/L	97
15) Methyl Acetate	3.00	43	3976	1.058 ug/L	96
16) Methylene chloride	3.08	84	9578	0.777 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	19222	0.879 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	7796	0.990 ug/L	98
19) 1,1-Dichloroethane	3.91	63	16285	1.003 ug/L	96
21) 2-Butanone	4.77	43	23895	7.549 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	8283	0.893 ug/L	94
23) Bromochloromethane	5.02	128	4027	1.069 ug/L	96
25) Chloroform	5.13	83	18274	1.043 ug/L	98
27) 1,2-Dichloroethane	5.83	62	12967	1.145 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	15121	1.073 ug/L	97
30) Cyclohexane	5.42	56	13308	0.905 ug/L	99
31) Carbon tetrachloride	5.56	117	12733	1.105 ug/L	97
33) Benzene	5.81	78	32450	0.849 ug/L	100
34) Trichloroethene	6.57	95	9261	0.943 ug/L	95
35) Methylcyclohexane	6.80	83	13387	0.865 ug/L	97
37) 1,2-Dichloropropane	6.82	63	8920	0.863 ug/L	99
38) Bromodichloromethane	7.13	83	12364	0.983 ug/L #	96
39) cis-1,3-Dichloropropene	7.64	75	12008	0.808 ug/L	96
40) 4-Methyl-2-pentanone	7.83	43	61168	9.043 ug/L	97

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

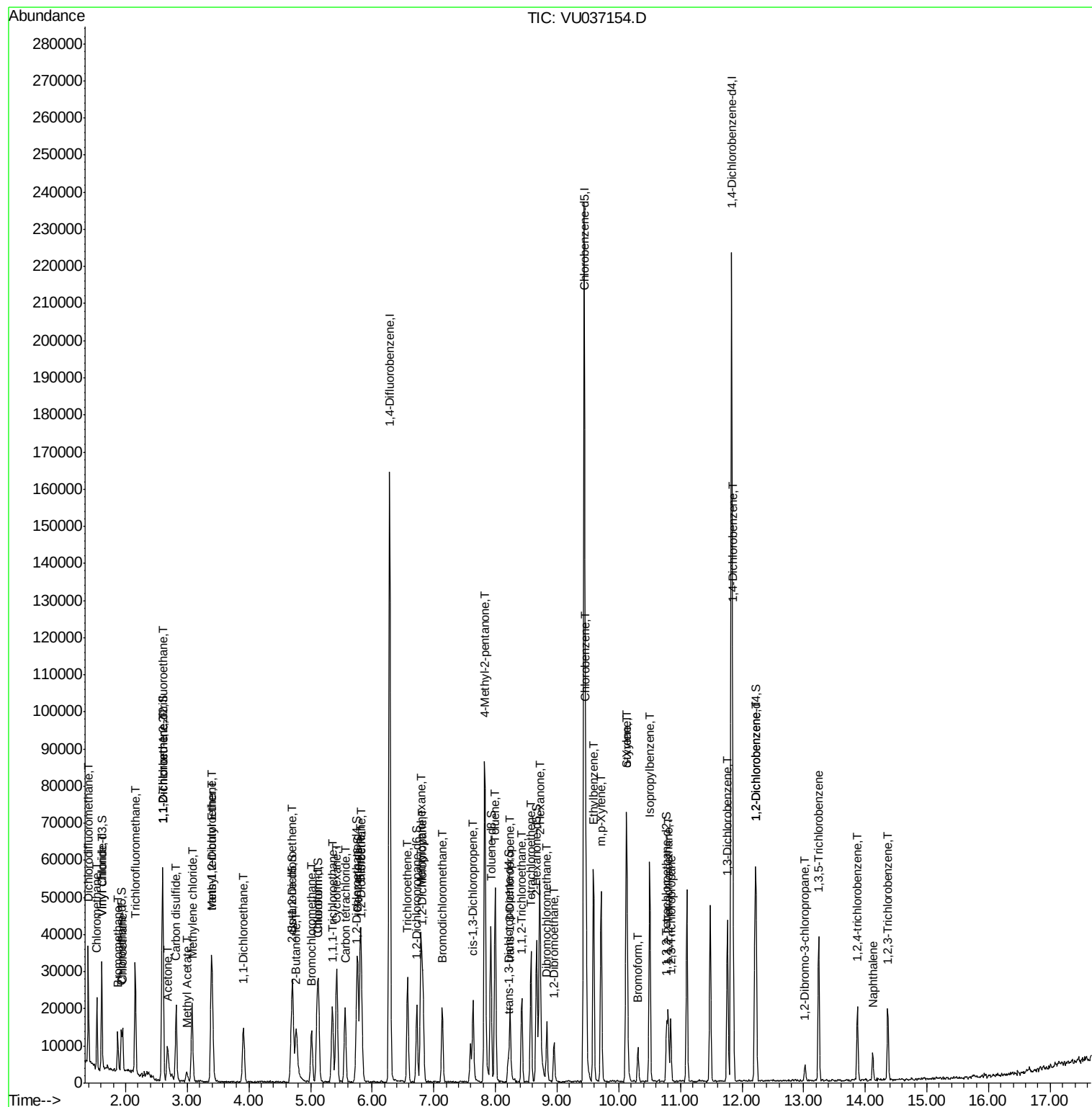
42) Toluene	8.00	91	34645	0.842	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	9966	0.845	ug/L	89
45) 1,1,2-Trichloroethane	8.43	97	6462	0.893	ug/L	95
47) Tetrachloroethene	8.58	164	7223	1.050	ug/L	93
48) 2-Hexanone	8.72	43	40080	7.144	ug/L	97
49) Dibromochloromethane	8.83	129	7716	0.999	ug/L	98
50) 1,2-Dibromoethane	8.95	107	5911	0.892	ug/L #	89
51) Chlorobenzene	9.47	112	23532	0.927	ug/L	97
52) Ethylbenzene	9.59	91	37382	0.815	ug/L	93
53) m,p-Xylene	9.71	106	13096	0.779	ug/L	98
54) o-Xylene	10.12	106	13220	0.807	ug/L	87
55) Styrene	10.13	104	19781	0.715	ug/L	96
56) Isopropylbenzene	10.50	105	33678	0.764	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	8086	0.860	ug/L	88
59) 1,2,3-Trichloropropane	10.84	75	6585	0.957	ug/L	95
61) Bromoform	10.31	173	4009	1.094	ug/L #	96
62) 1,3-Dichlorobenzene	11.76	146	16495	0.926	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	16189	0.921	ug/L	93
65) 1,2-Dichlorobenzene	12.23	146	15838	0.928	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	1192	0.940	ug/L	87
67) 1,3,5-Trichlorobenzene	13.24	180	10326	0.830	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	5584	0.610	ug/L	97
69) Naphthalene	14.12	128	5890	0.372	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	5427	0.656	ug/L	98

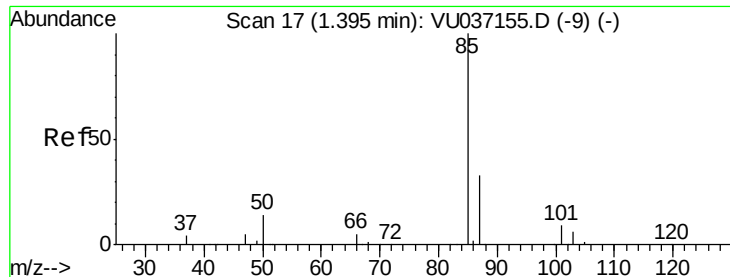
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.629 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

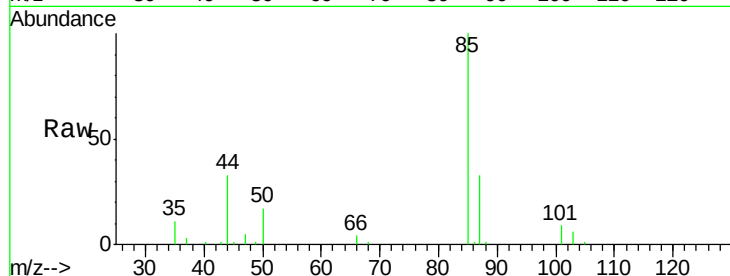
VSTD00106

Tgt Ion: 85 Resp: 15566

Ion Ratio Lower Upper

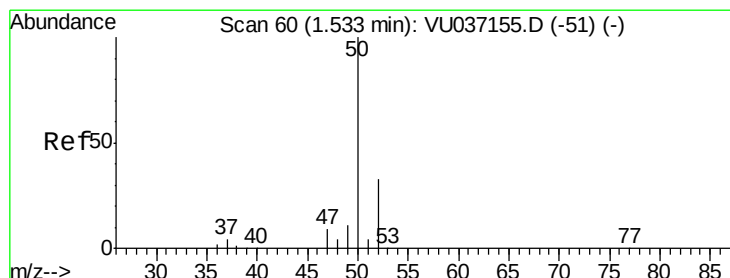
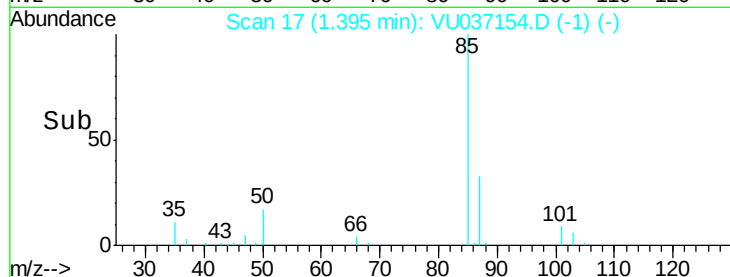
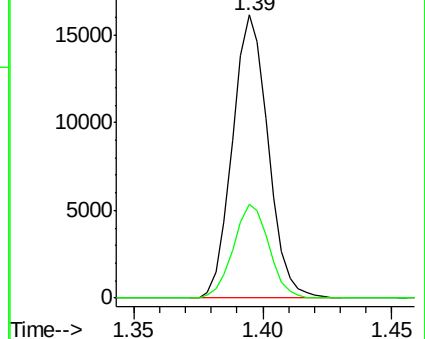
85 100

87 33.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037154.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037154.D (-9) (-)



#3

Chloromethane

Concen: 1.422 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037154.D

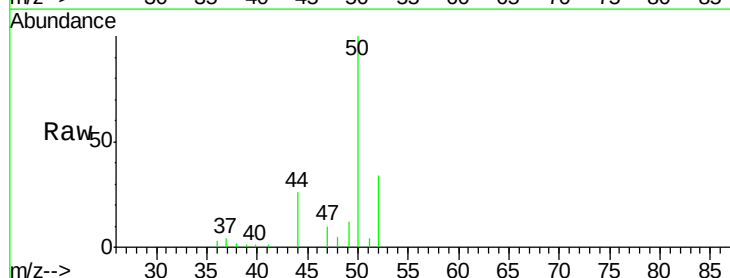
Acq: 10 Mar 2020 16:17

Tgt Ion: 50 Resp: 13245

Ion Ratio Lower Upper

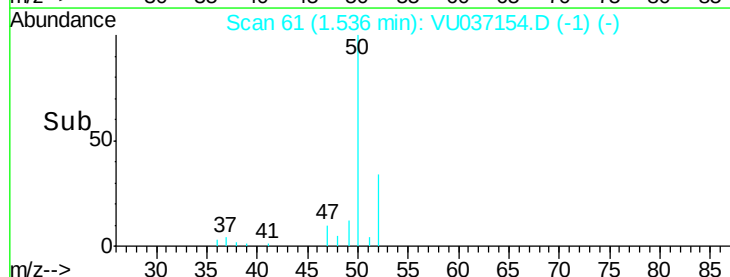
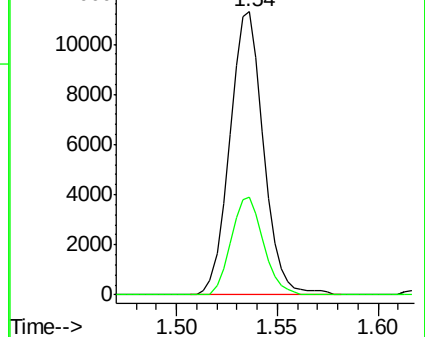
50 100

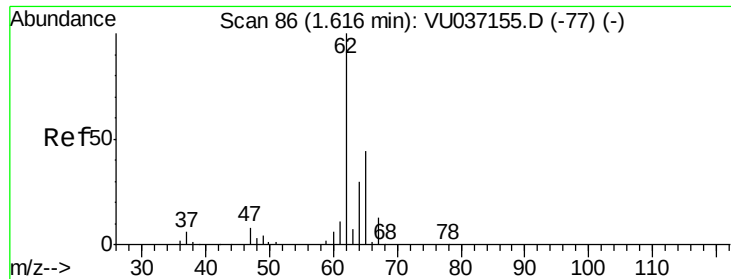
52 34.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU037154.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037154.D (-51) (-)





#5

Vinyl chloride

Concen: 1.105 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

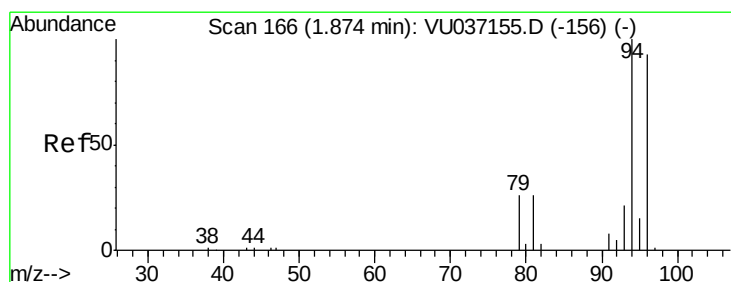
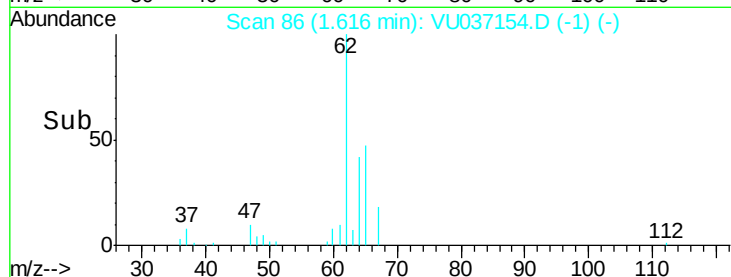
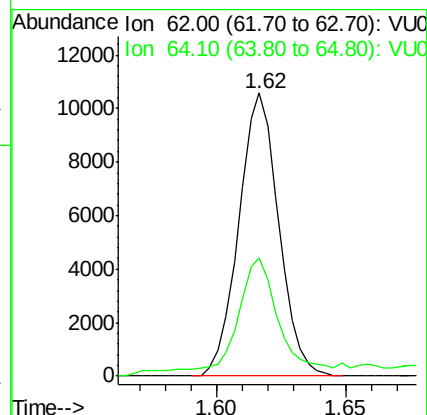
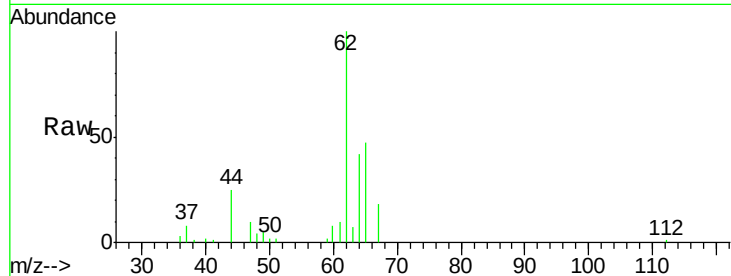
VSTD00106

Tgt Ion: 62 Resp: 11334

Ion Ratio Lower Upper

62 100

64 41.9 21.6 40.0#



#6

Bromomethane

Concen: 0.782 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU037154.D

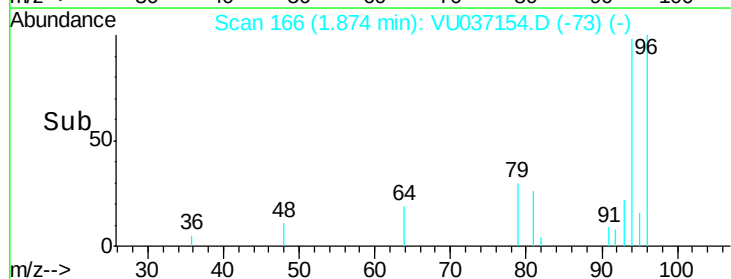
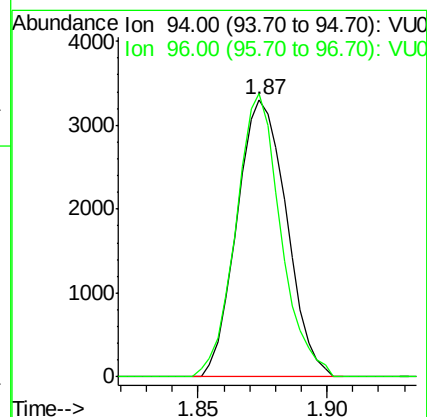
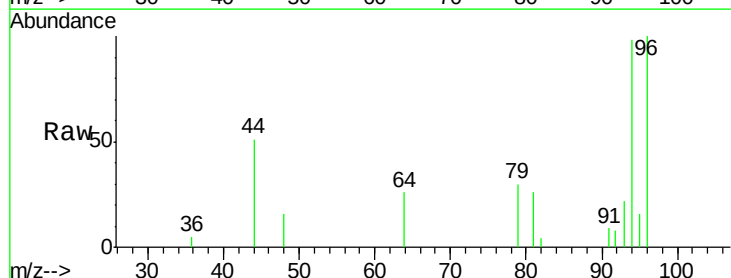
Acq: 10 Mar 2020 16:17

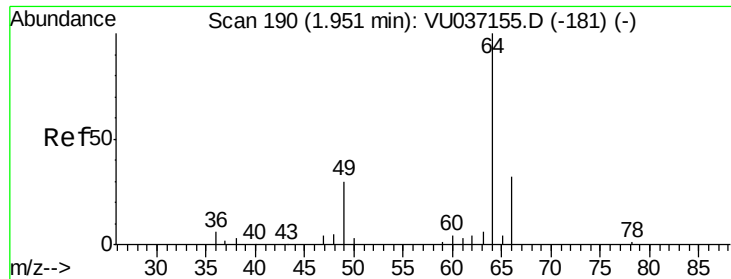
Tgt Ion: 94 Resp: 4416

Ion Ratio Lower Upper

94 100

96 102.1 64.8 120.4





#8

Chloroethane

Concen: 0.900 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

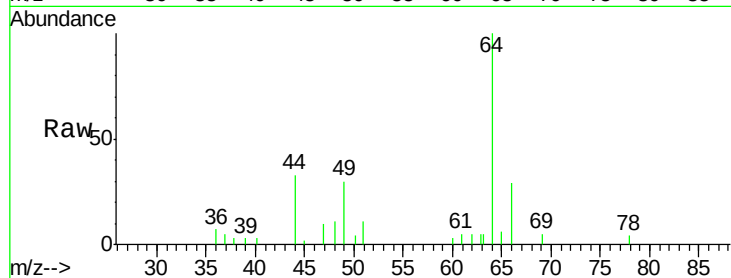
VSTD00106

Tgt Ion: 64 Resp: 6075

Ion Ratio Lower Upper

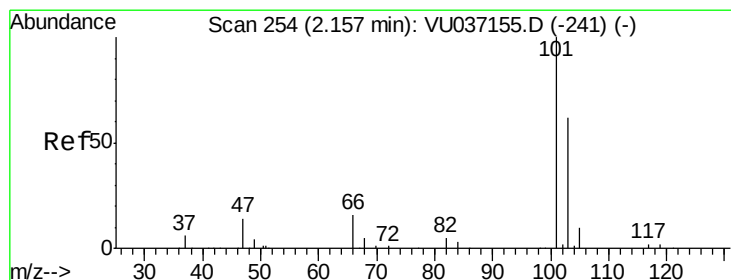
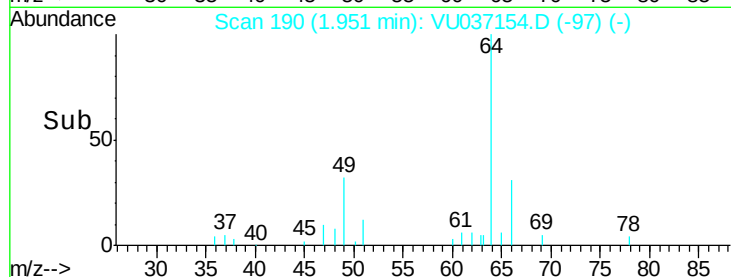
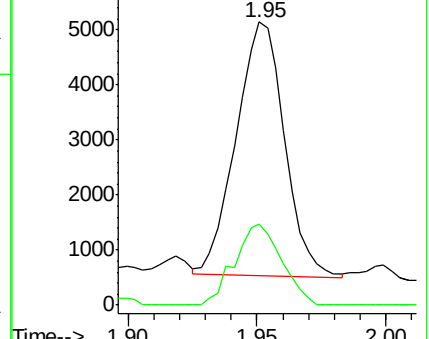
64 100

66 28.9 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU037155.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU037155.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 1.208 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037154.D

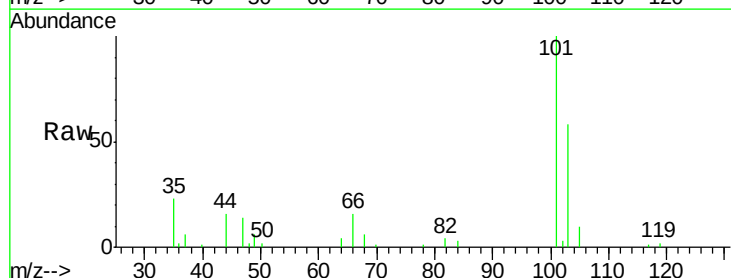
Acq: 10 Mar 2020 16:17

Tgt Ion: 101 Resp: 16570

Ion Ratio Lower Upper

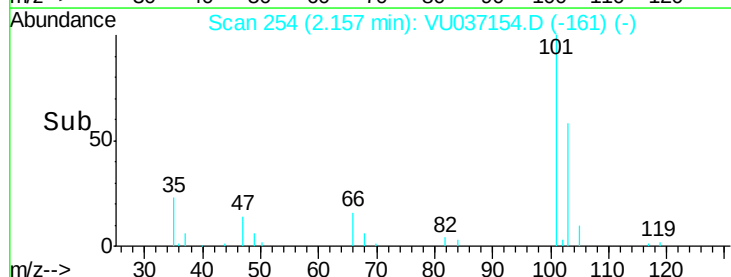
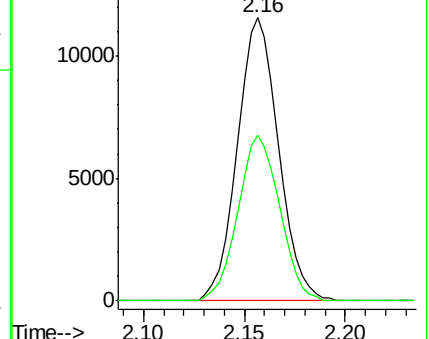
101 100

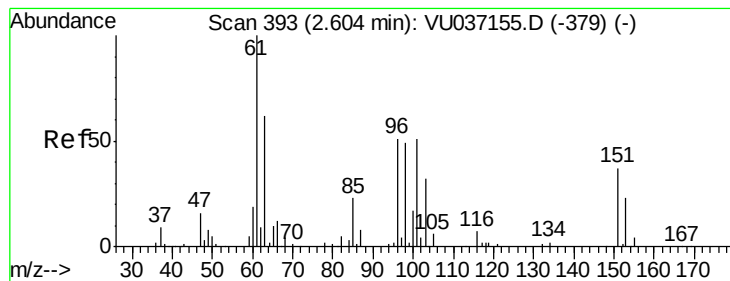
103 59.2 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): VU037155.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU037155.D (-241) (-)





#10

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

Concen: 0.986 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

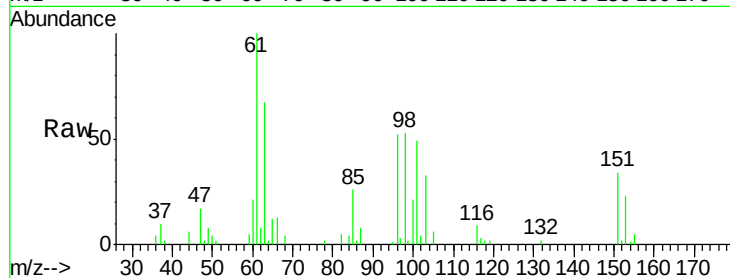
Tgt Ion: 101 Resp: 8301

Ion Ratio Lower Upper

101 100

85 50.5 37.5 56.3

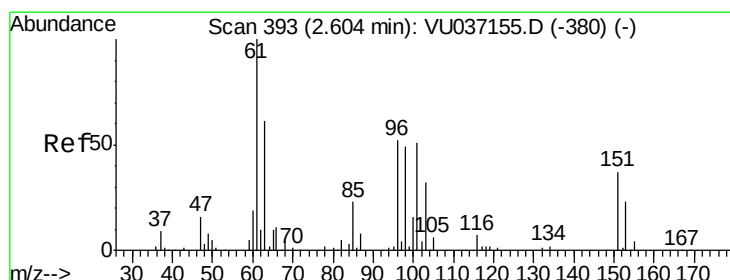
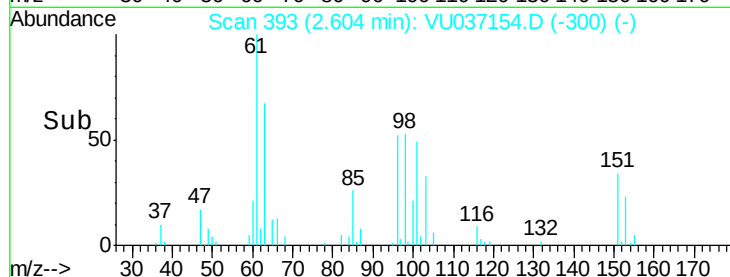
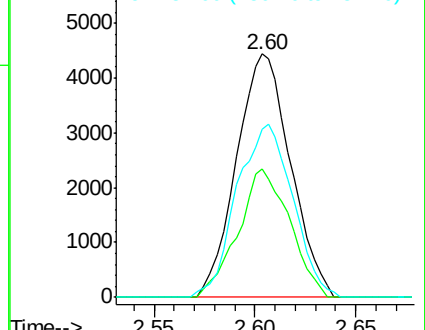
151 73.8 59.8 89.6



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: 0.990 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

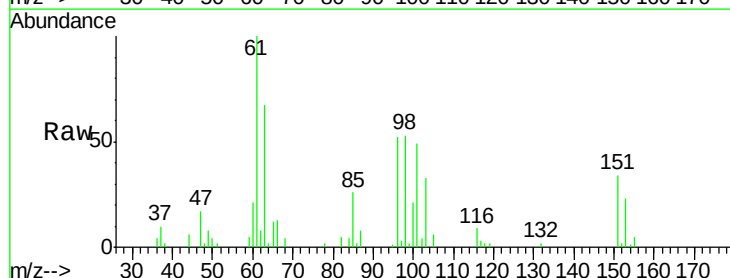
Tgt Ion: 96 Resp: 7491

Ion Ratio Lower Upper

96 100

61 190.8 136.4 253.2

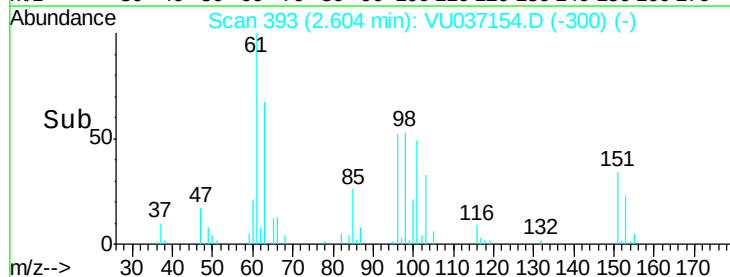
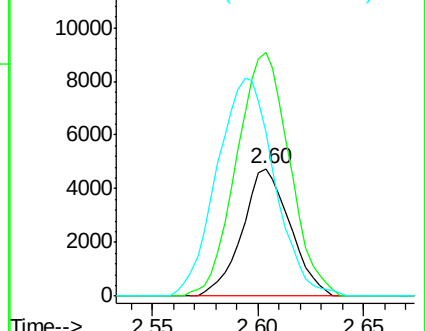
63 128.7 86.2 160.0

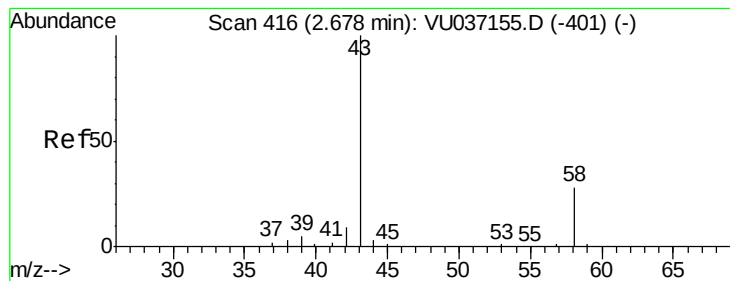


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.322 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

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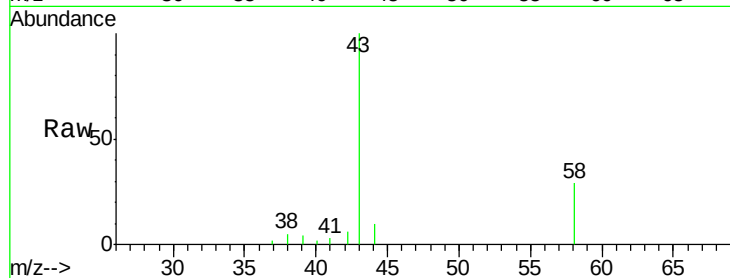
VSTD00106

Tgt Ion: 43 Resp: 16450

Ion Ratio Lower Upper

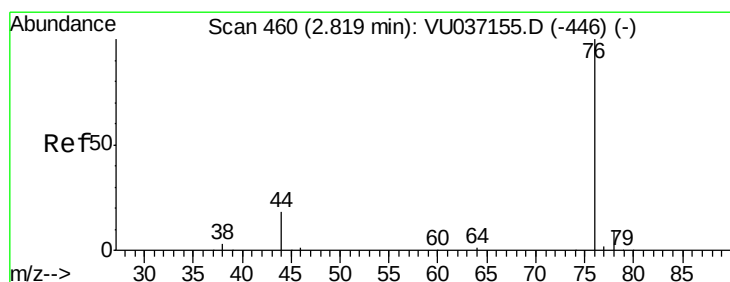
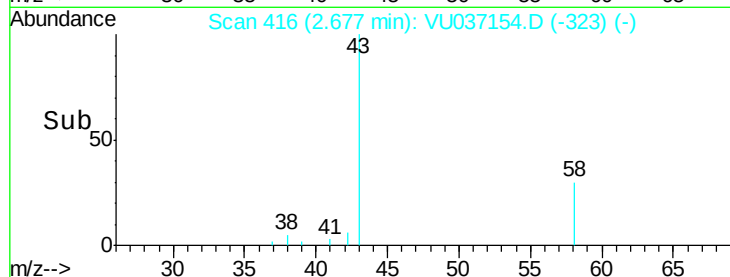
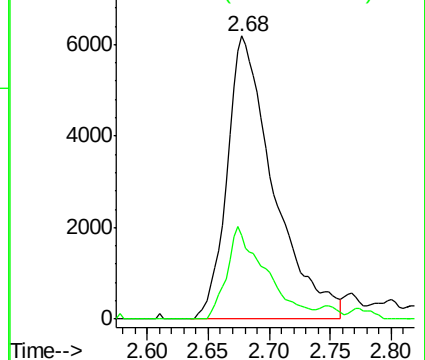
43 100

58 27.5 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU037155.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU037155.D (-401) (-)



#14

Carbon disulfide

Concen: 1.281 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037154.D

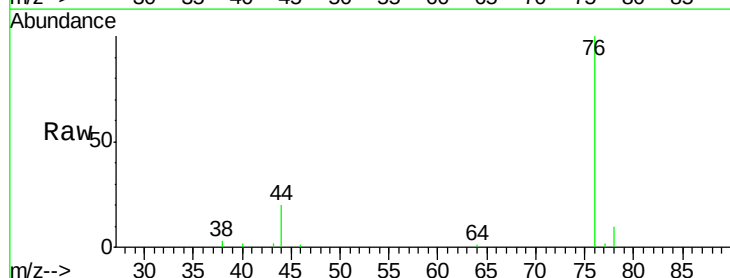
Acq: 10 Mar 2020 16:17

Tgt Ion: 76 Resp: 25332

Ion Ratio Lower Upper

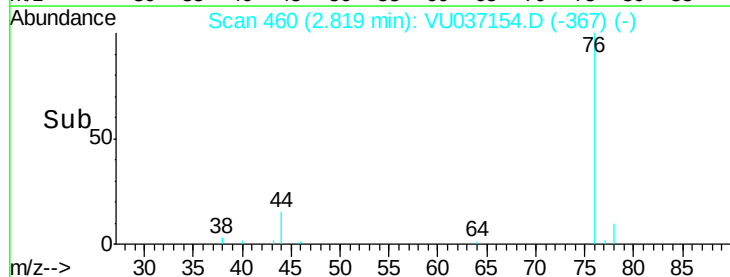
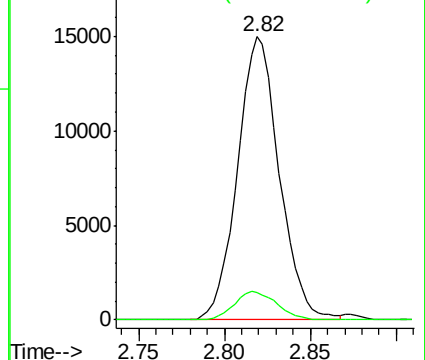
76 100

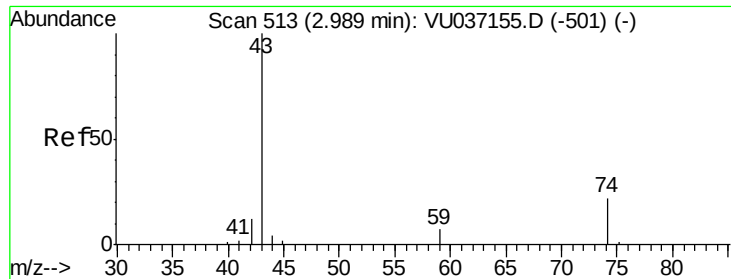
78 9.6 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU037155.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037155.D (-446) (-)

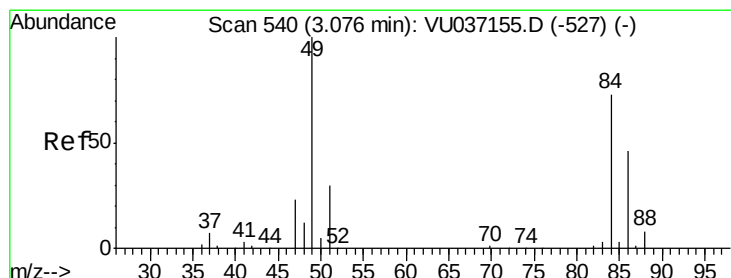
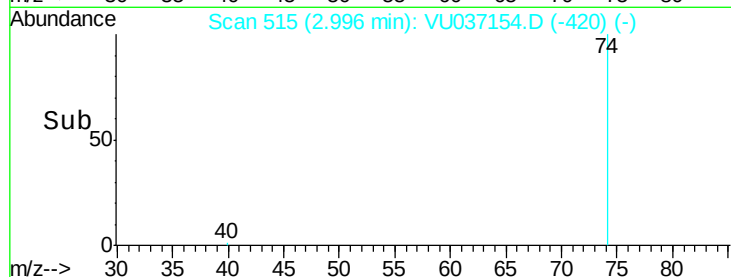
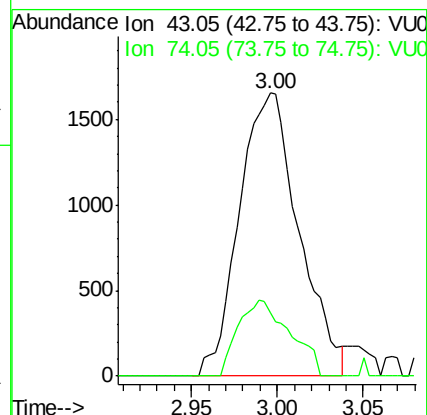
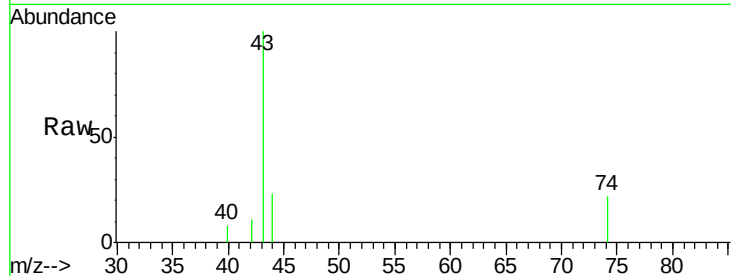




#15
Methyl Acetate
Concen: 1.058 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

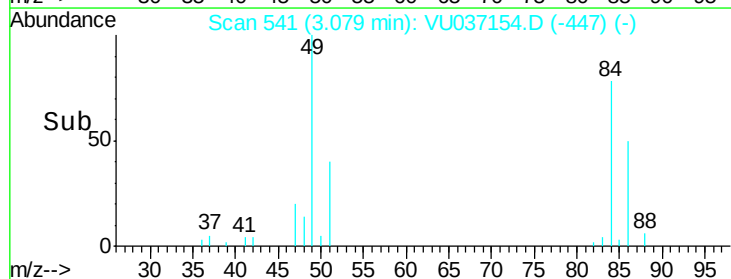
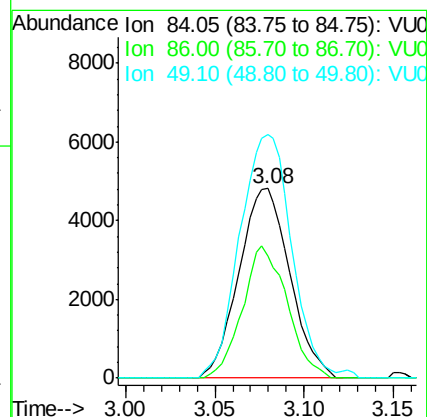
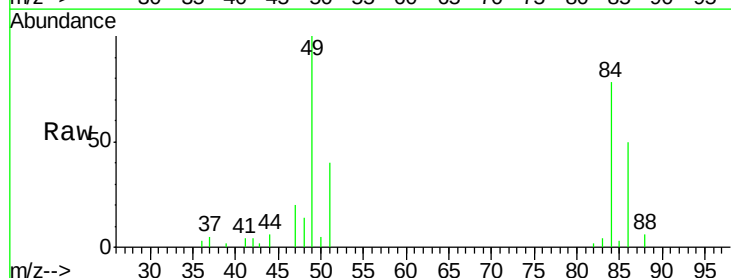
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

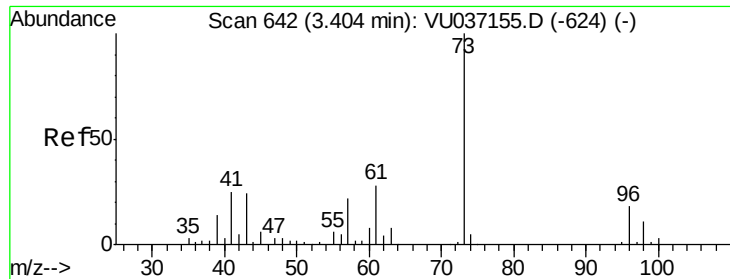
Tgt Ion: 43 Resp: 3976
Ion Ratio Lower Upper
43 100
74 23.3 17.1 25.7



#16
Methylene chloride
Concen: 0.777 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Tgt Ion: 84 Resp: 9578
Ion Ratio Lower Upper
84 100
86 64.2 44.3 82.3
49 128.5 95.3 177.1

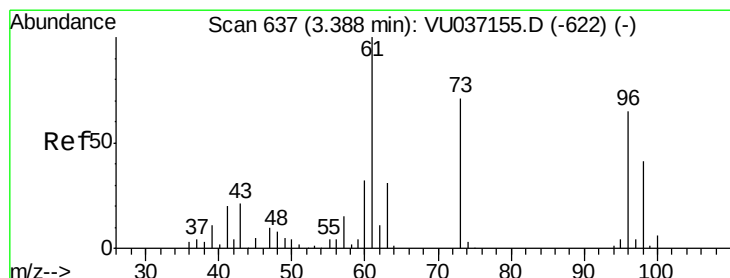
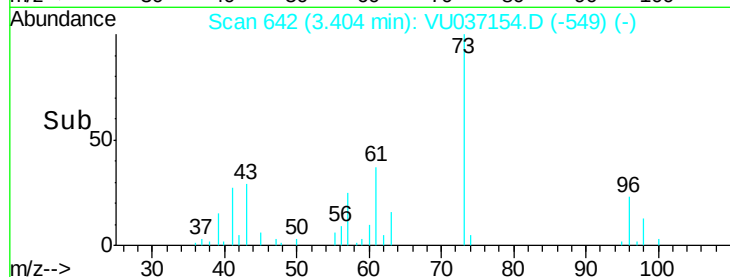
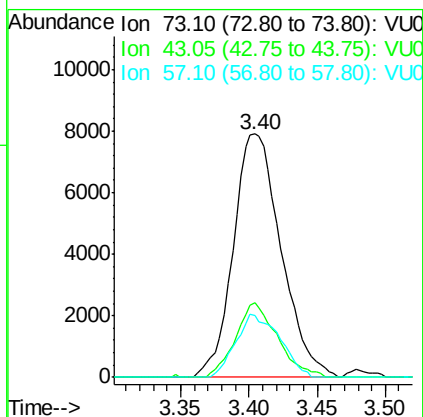
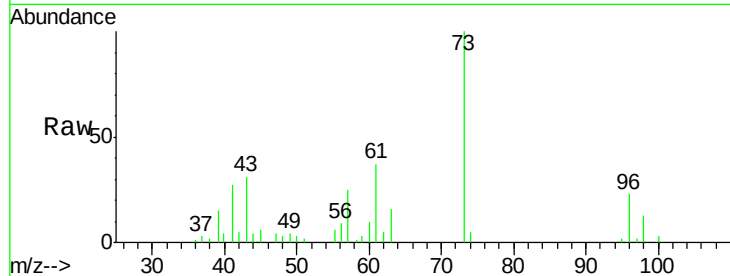




#17
Methyl tert-butyl Ether
Concen: 0.879 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

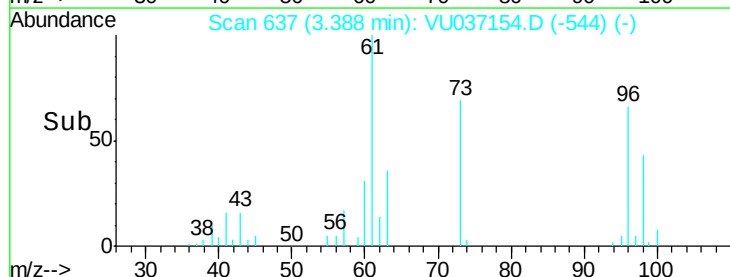
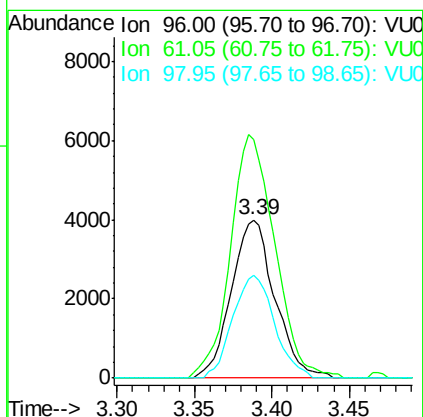
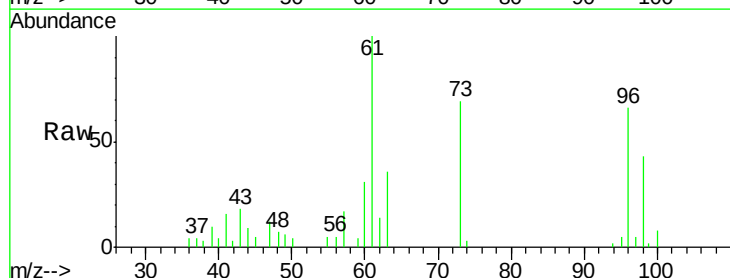
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

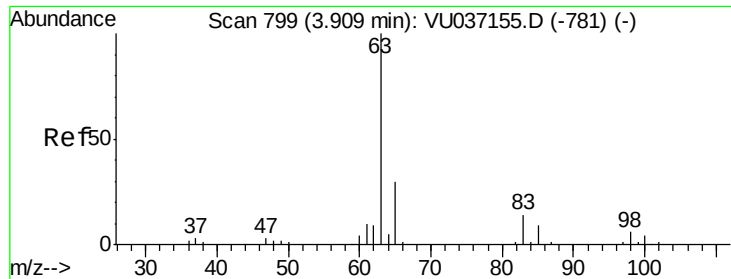
Tgt Ion: 73 Resp: 19222
Ion Ratio Lower Upper
73 100
43 26.9 21.1 31.7
57 23.9 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 0.990 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Tgt Ion: 96 Resp: 7796
Ion Ratio Lower Upper
96 100
61 151.2 107.2 199.2
98 64.7 43.6 81.0

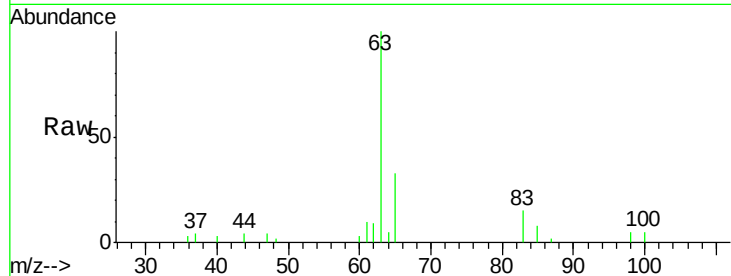




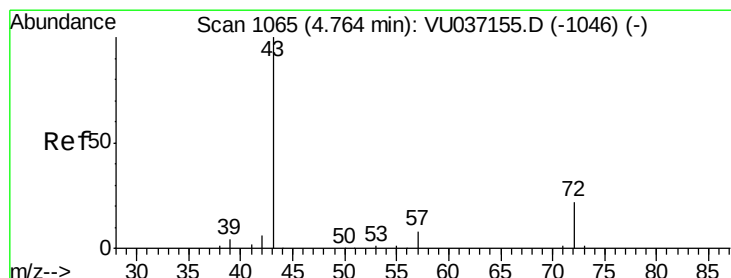
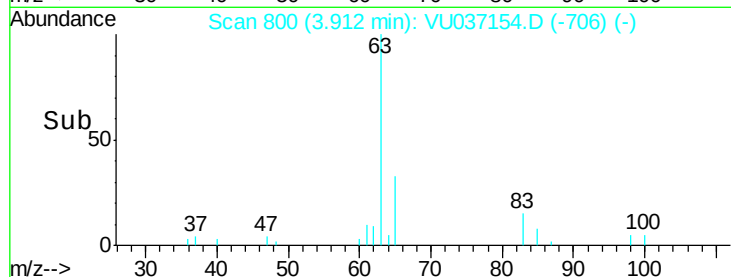
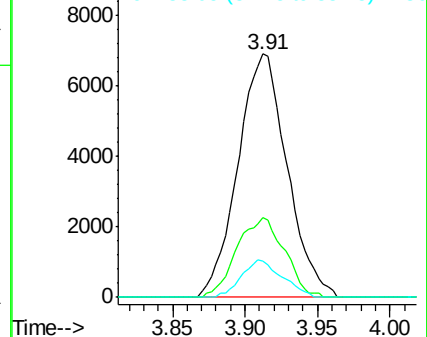
#19
 1,1-Dichloroethane
 Concen: 1.003 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion: 63 Resp: 16285
 Ion Ratio Lower Upper
 63 100
 65 33.0 21.3 39.5
 83 14.9 10.0 18.6

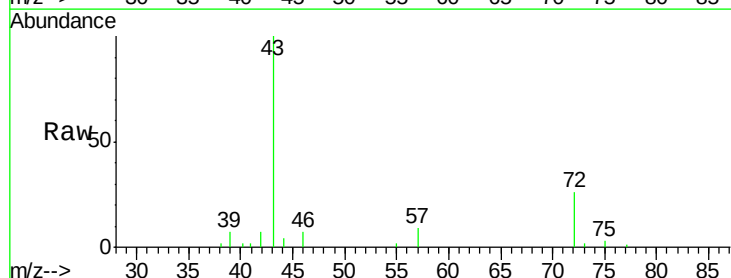


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

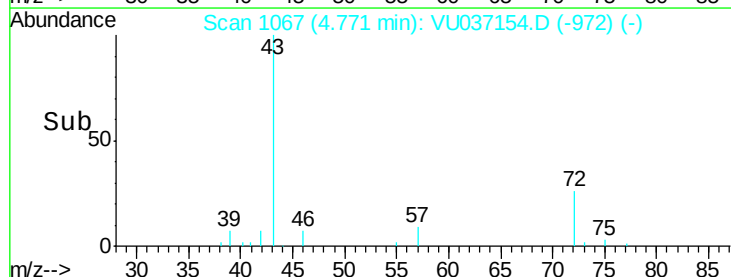
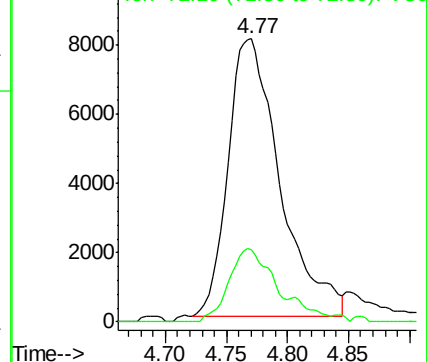


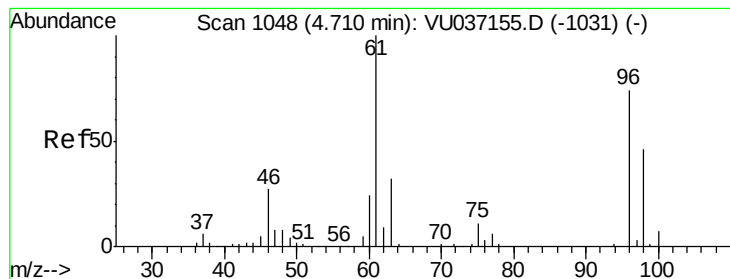
#21
 2-Butanone
 Concen: 7.549 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Tgt Ion: 43 Resp: 23895
 Ion Ratio Lower Upper
 43 100
 72 21.2 11.6 34.7



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: 0.893 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

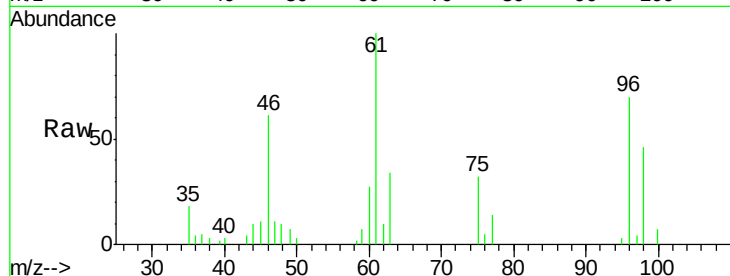
Tgt Ion: 96 Resp: 8283

Ion Ratio Lower Upper

96 100

61 141.9 94.1 174.8

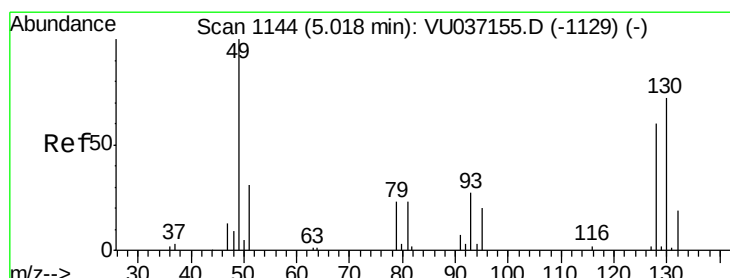
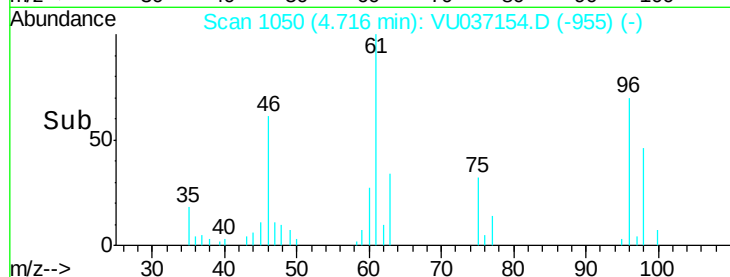
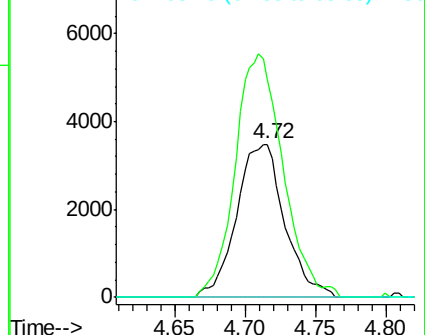
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037155.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU037155.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU037155.D (-1031) (-)



#23

Bromochloromethane

Concen: 1.069 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Tgt Ion: 128 Resp: 4027

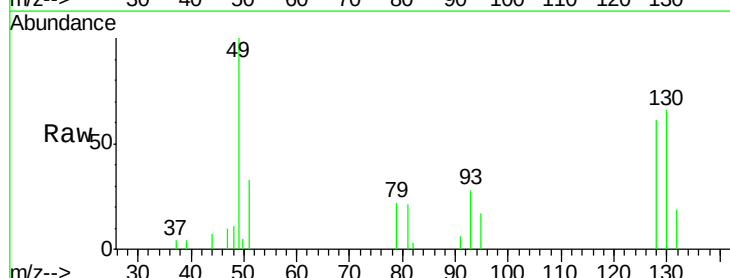
Ion Ratio Lower Upper

128 100

49 164.4 115.7 214.9

130 108.2 83.1 154.3

51 54.8 42.5 63.7

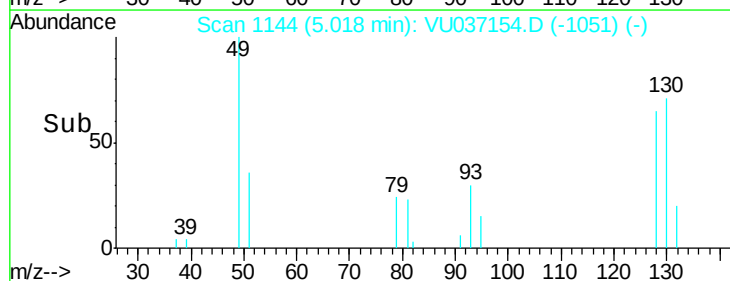
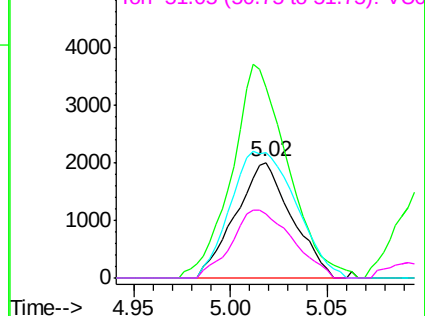


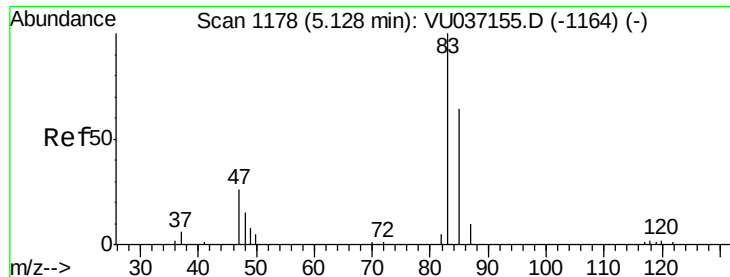
Abundance Ion 127.90 (127.60 to 128.60): VU037155.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU037155.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU037155.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU037155.D (-1129) (-)

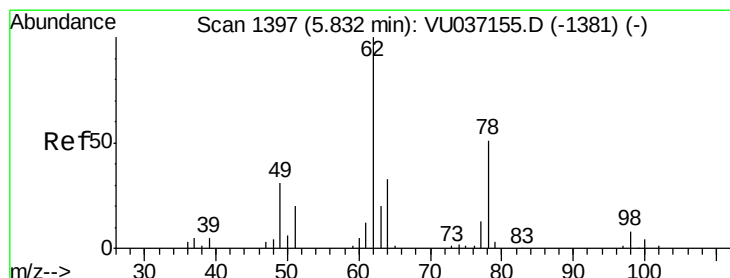
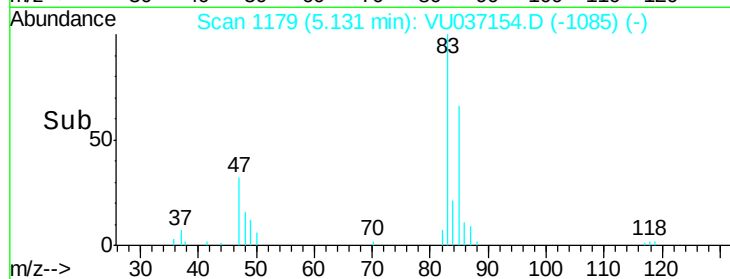
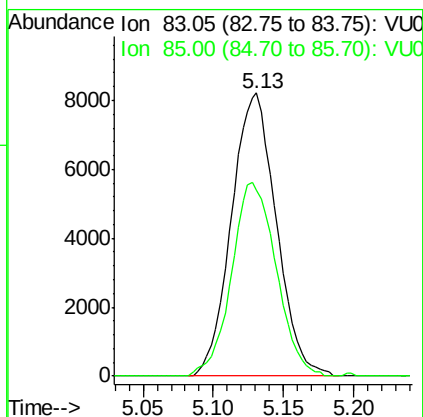
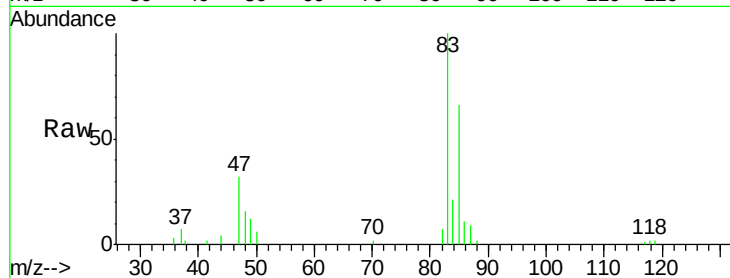




#25
Chloroform
Concen: 1.043 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

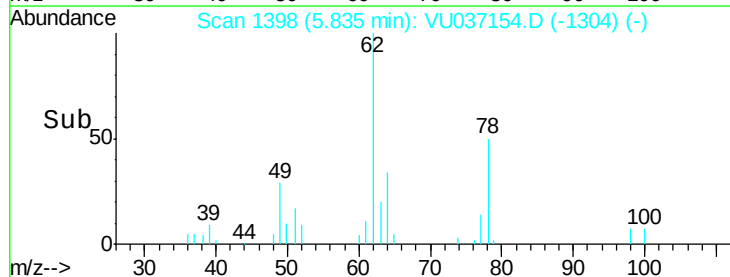
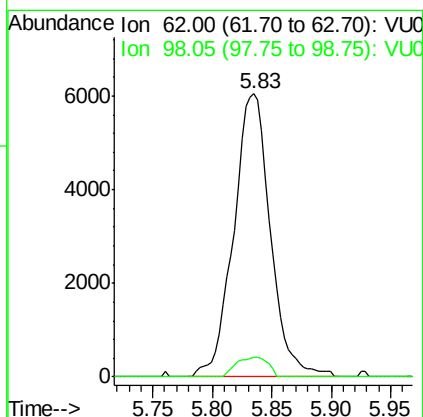
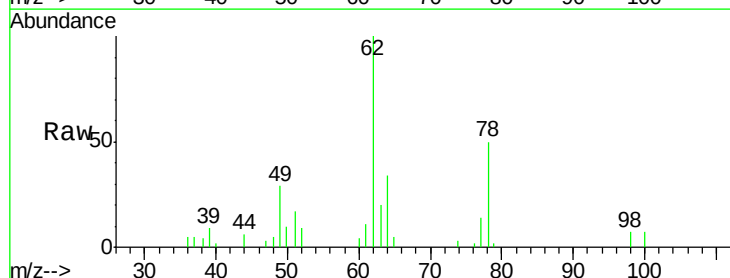
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

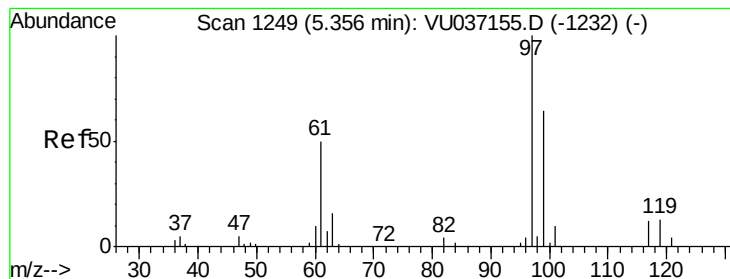
Tgt Ion: 83 Resp: 18274
Ion Ratio Lower Upper
83 100
85 65.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 1.145 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Tgt Ion: 62 Resp: 12967
Ion Ratio Lower Upper
62 100
98 7.1 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 1.073 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

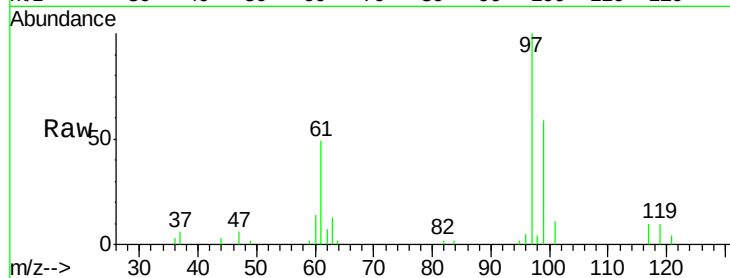
Tgt Ion: 97 Resp: 15121

Ion Ratio Lower Upper

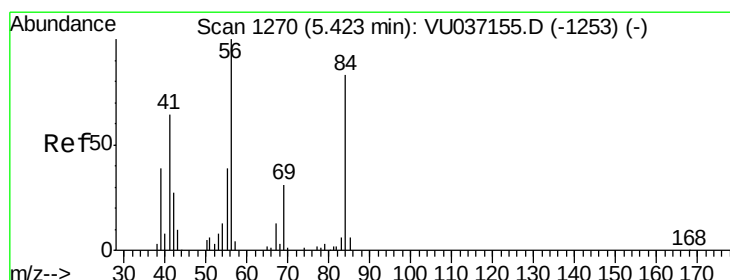
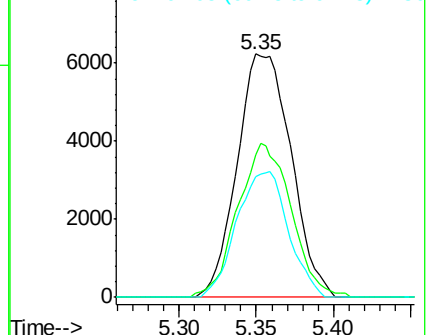
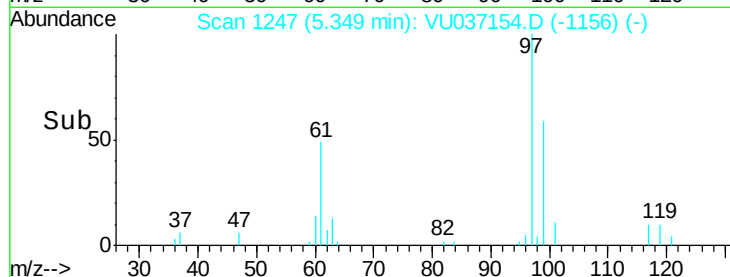
97 100

99 62.7 52.4 78.6

61 49.3 40.6 61.0



Abundance Ion 96.95 (96.65 to 97.65): VU037154.D (-1156) (-)



#30

Cyclohexane

Concen: 0.905 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

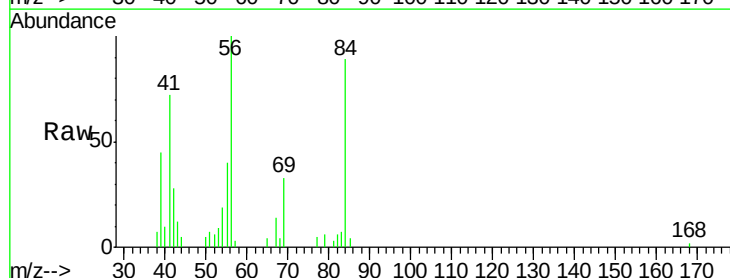
Tgt Ion: 56 Resp: 13308

Ion Ratio Lower Upper

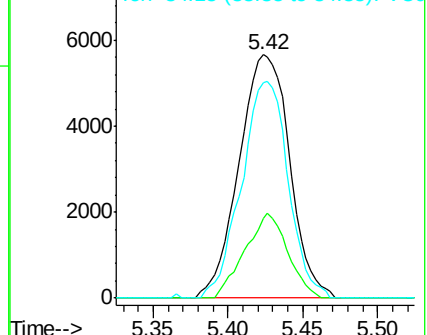
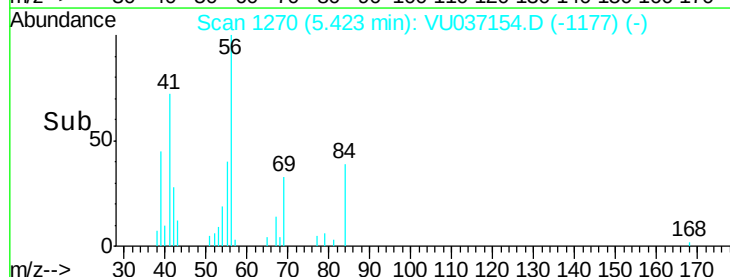
56 100

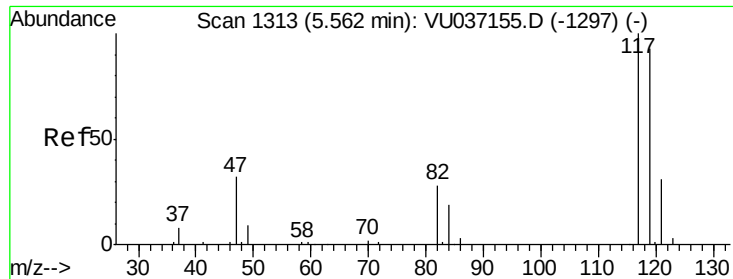
69 29.5 25.0 37.6

84 82.4 65.4 98.2



Abundance Ion 56.10 (55.80 to 56.80): VU037154.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 1.105 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

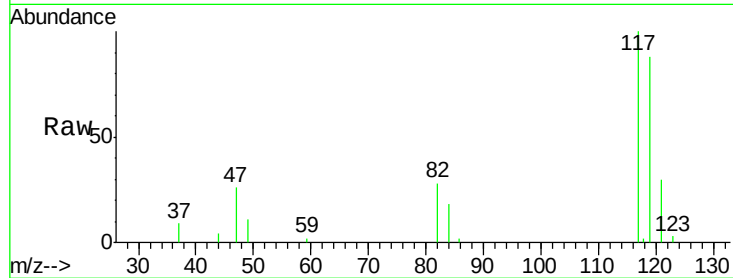
VSTD00106

Tgt Ion:117 Resp: 12733

Ion Ratio Lower Upper

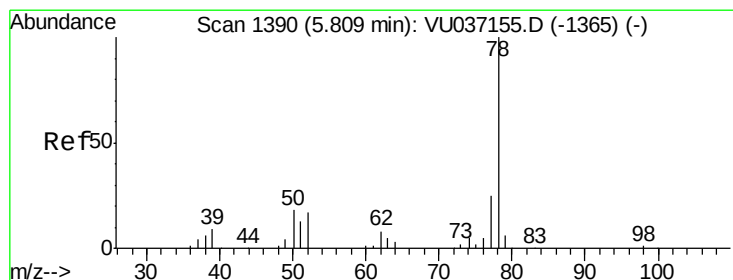
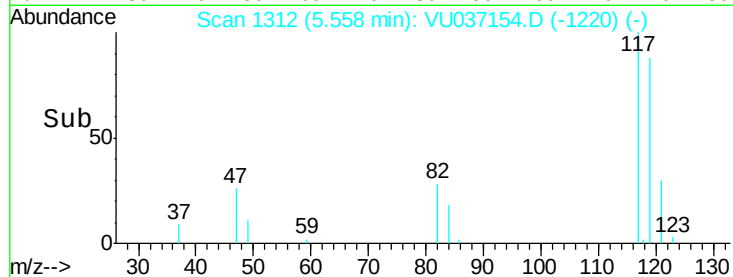
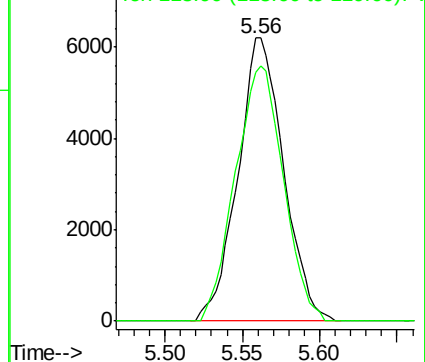
117 100

119 94.6 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.849 ug/L

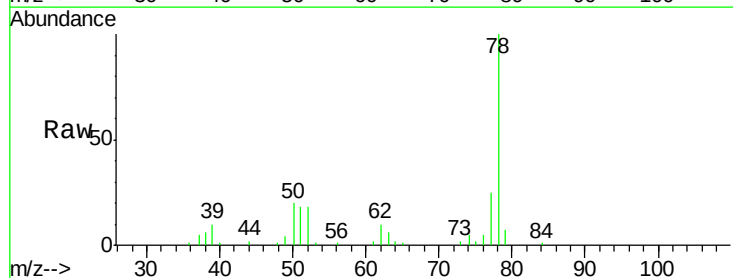
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

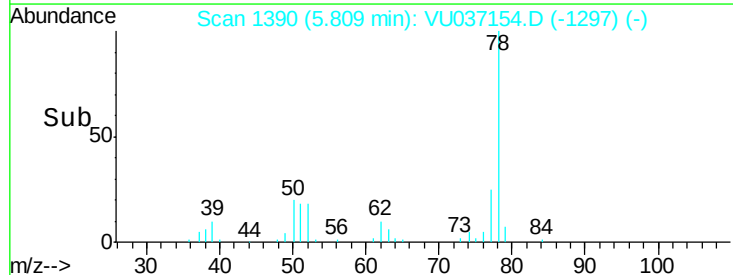
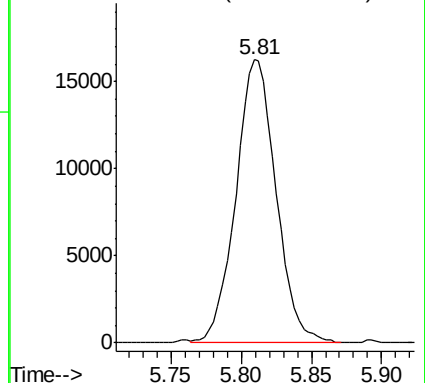
Lab File: VU037154.D

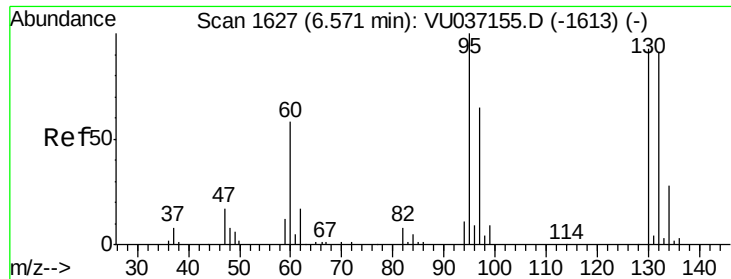
Acq: 10 Mar 2020 16:17

Tgt Ion: 78 Resp: 32450



Abundance Ion 78.10 (77.80 to 78.80): VU0

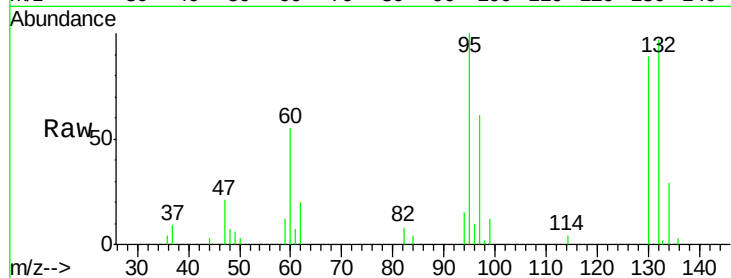




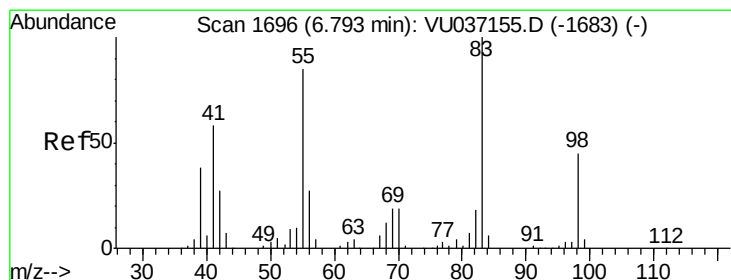
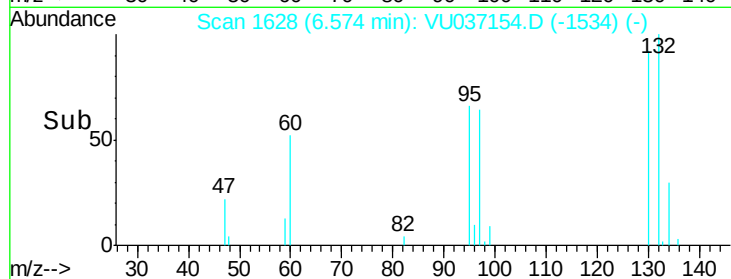
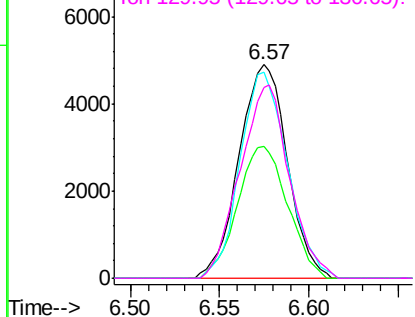
#34
 Trichloroethene
 Concen: 0.943 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion: 95 Resp: 9261
 Ion Ratio Lower Upper
 95 100
 97 61.5 45.4 84.4
 132 96.8 63.7 118.3
 130 89.5 64.8 120.4

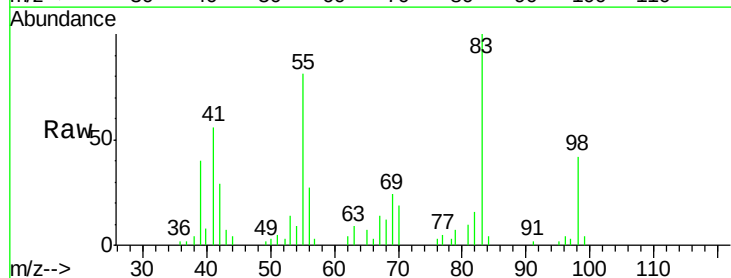


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

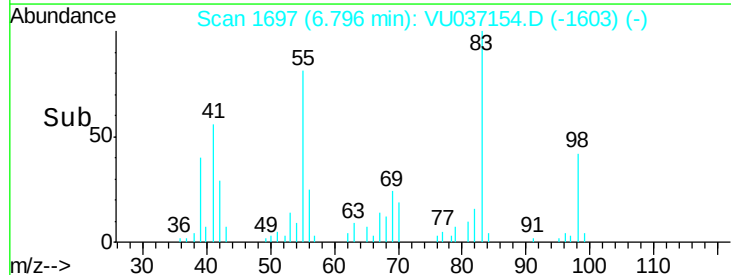
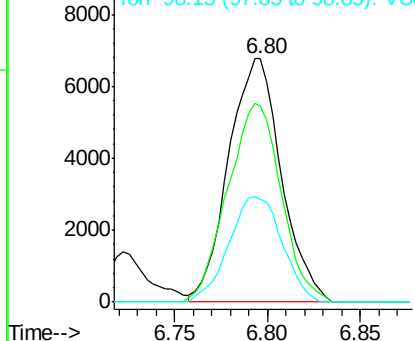


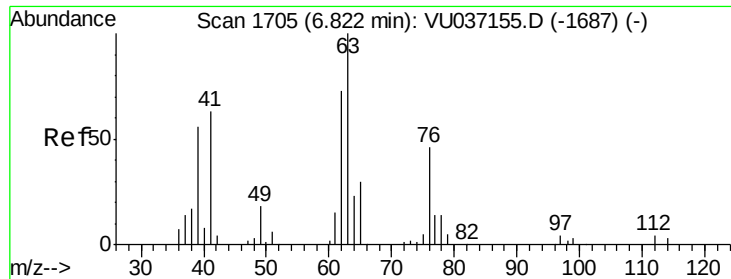
#35
 Methylcyclohexane
 Concen: 0.865 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Tgt Ion: 83 Resp: 13387
 Ion Ratio Lower Upper
 83 100
 55 82.5 68.1 102.1
 98 43.5 37.0 55.4



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

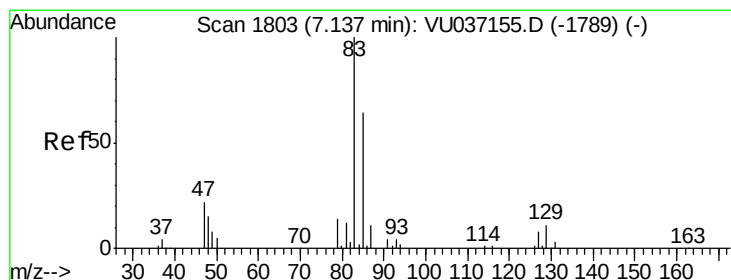
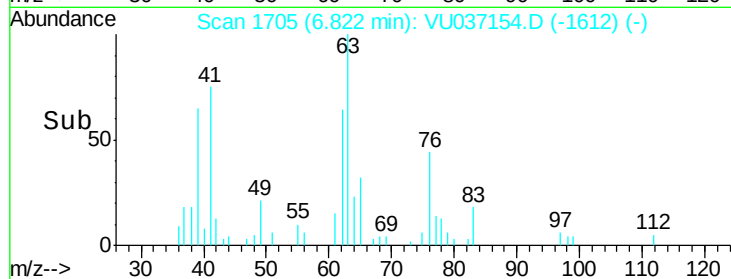
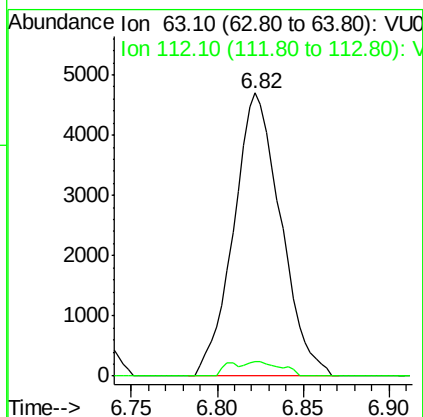
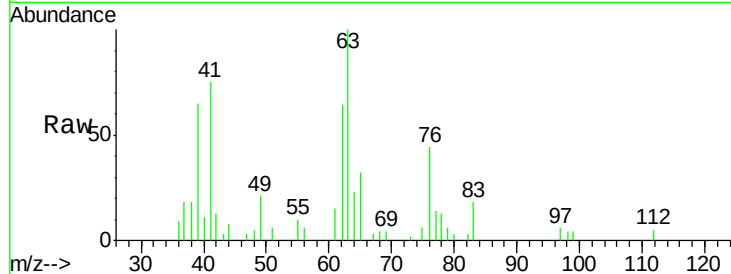




#37
 1,2-Dichloropropane
 Concen: 0.863 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

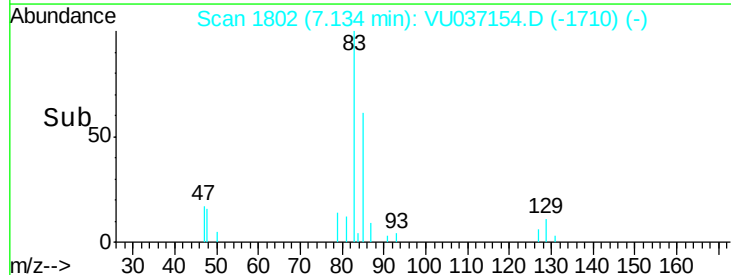
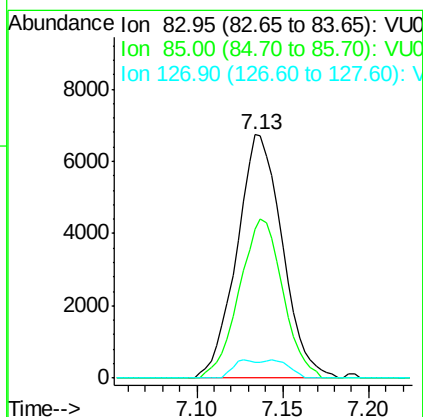
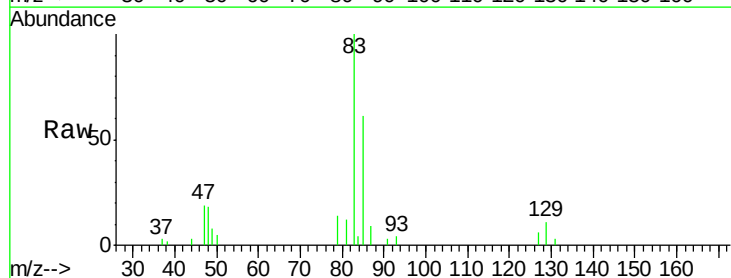
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

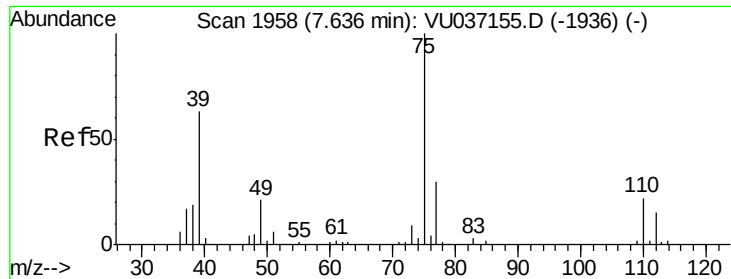
Tgt Ion: 63 Resp: 8920
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 0.983 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Tgt Ion: 83 Resp: 12364
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.1 83.7
 127 6.5 6.7 10.1#

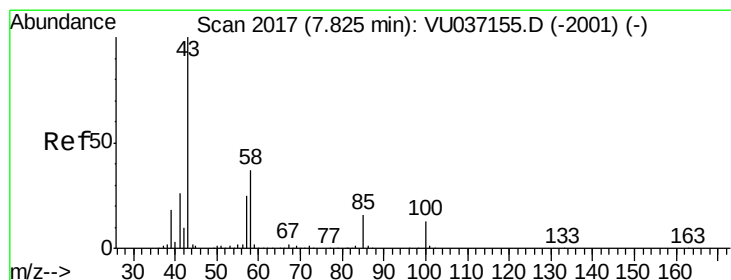
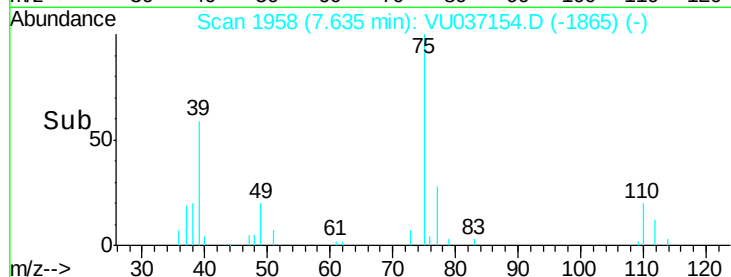
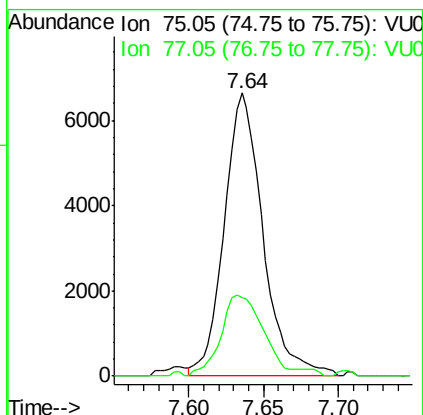
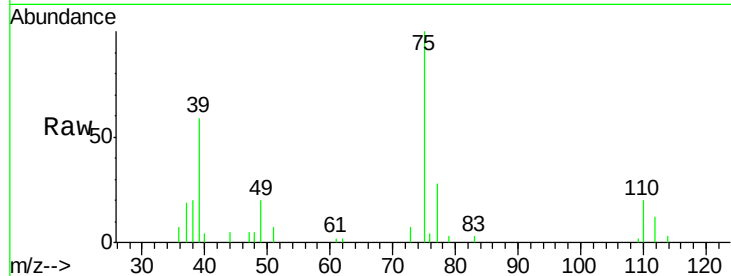




#39
 cis-1,3-Dichloropropene
 Concen: 0.808 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

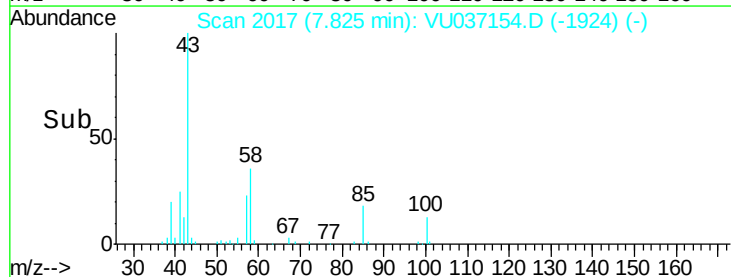
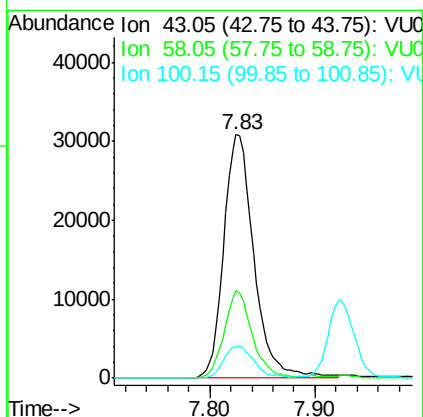
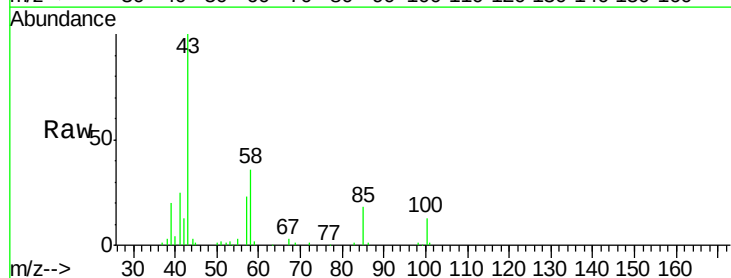
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

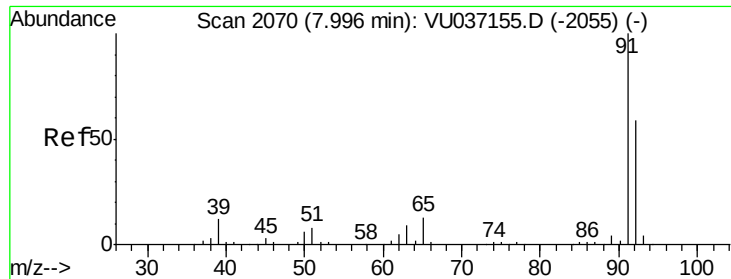
Tgt Ion: 75 Resp: 12008
 Ion Ratio Lower Upper
 75 100
 77 27.9 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 9.043 ug/L
 RT: 7.83 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Tgt Ion: 43 Resp: 61168
 Ion Ratio Lower Upper
 43 100
 58 33.2 28.6 42.8
 100 13.2 10.2 15.2





#42

Toluene

Concen: 0.842 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

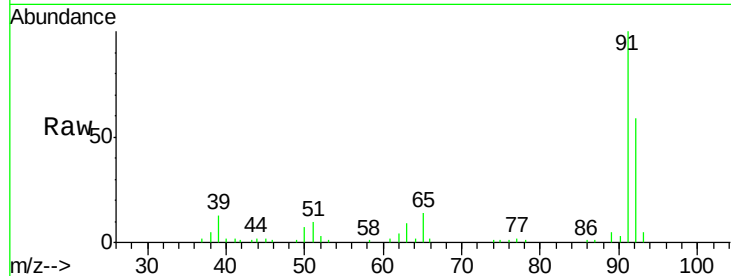
VSTD00106

Tgt Ion: 91 Resp: 34645

Ion Ratio Lower Upper

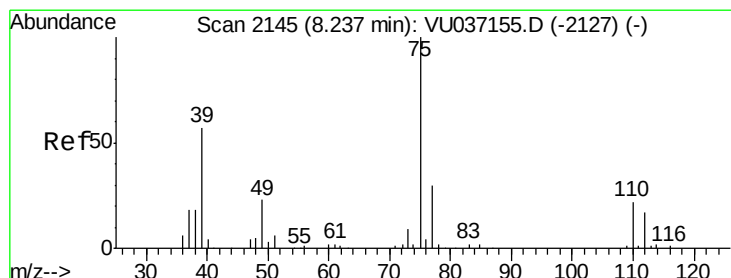
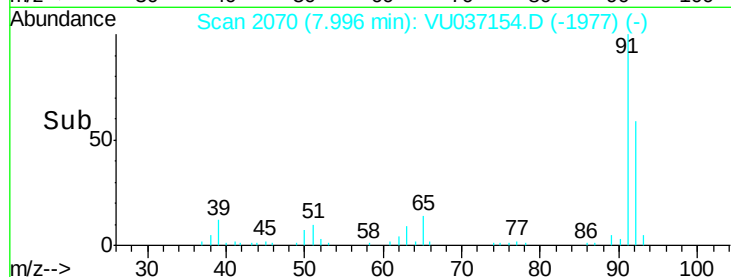
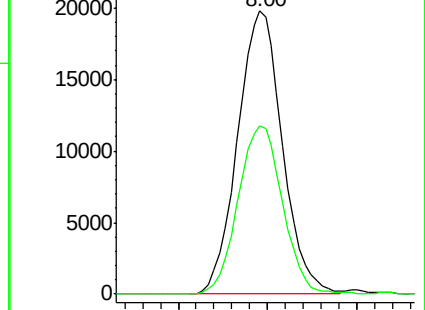
91 100

92 59.4 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU037155.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037155.D (-2055) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.845 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037154.D

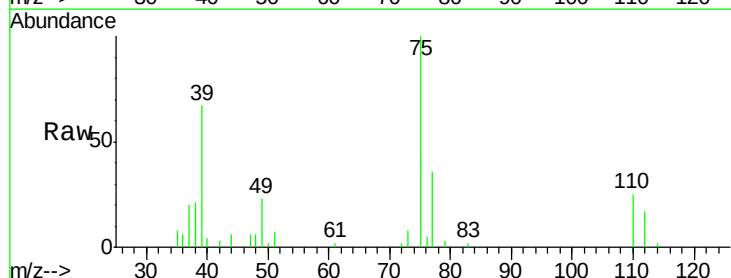
Acq: 10 Mar 2020 16:17

Tgt Ion: 75 Resp: 9966

Ion Ratio Lower Upper

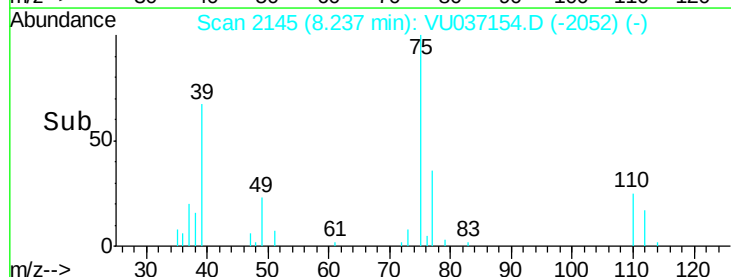
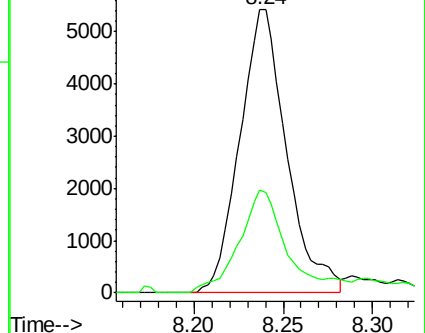
75 100

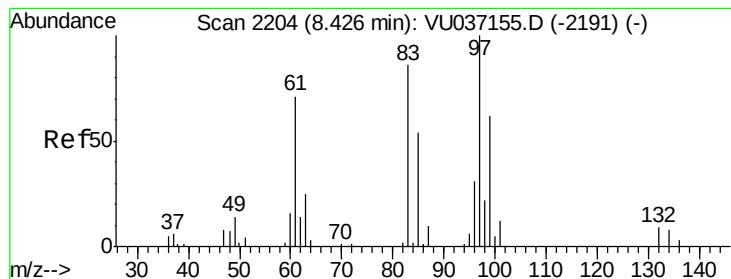
77 36.1 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU037155.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037155.D (-2127) (-)





#45

1,1,2-Trichloroethane

Concen: 0.893 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

Tgt Ion: 97 Resp: 6462

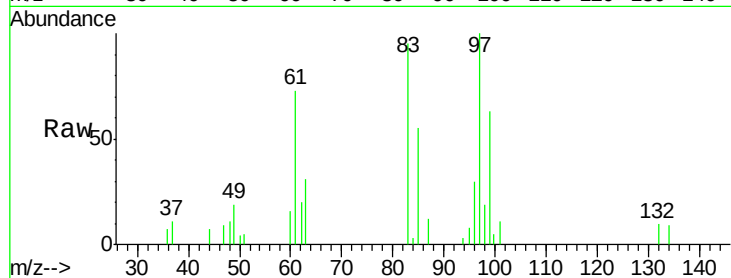
Ion Ratio Lower Upper

97 100

99 62.5 43.6 81.0

83 95.3 60.1 111.7

85 55.0 37.8 70.2

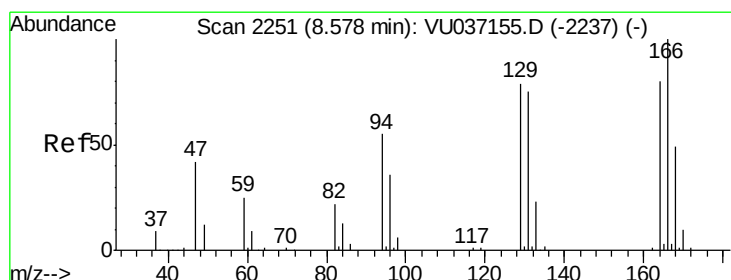
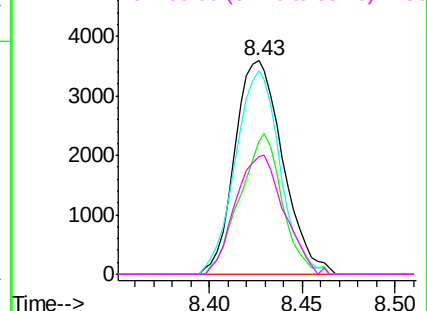
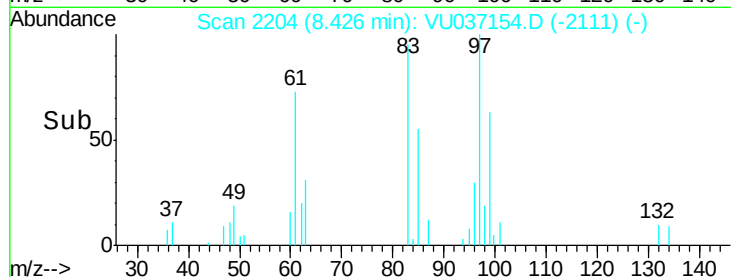


Abundance Ion 96.95 (96.65 to 97.65): VU037154.D (-2111) (-)

Ion 99.05 (98.75 to 99.75): VU037154.D (-2111) (-)

Ion 82.95 (82.65 to 83.65): VU037154.D (-2111) (-)

Ion 85.00 (84.70 to 85.70): VU037154.D (-2111) (-)



#47

Tetrachloroethene

Concen: 1.050 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Tgt Ion: 164 Resp: 7223

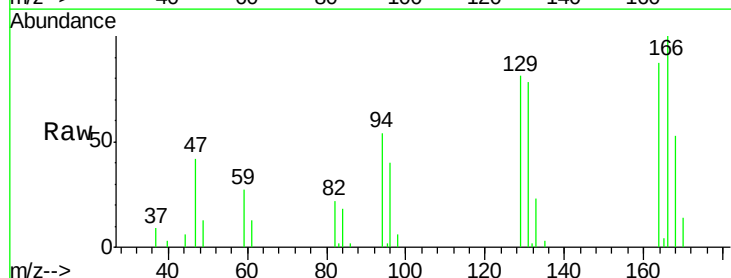
Ion Ratio Lower Upper

164 100

129 93.4 69.8 129.6

131 90.2 66.1 122.8

166 115.2 88.1 163.5

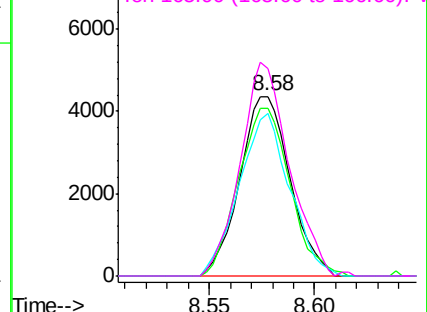
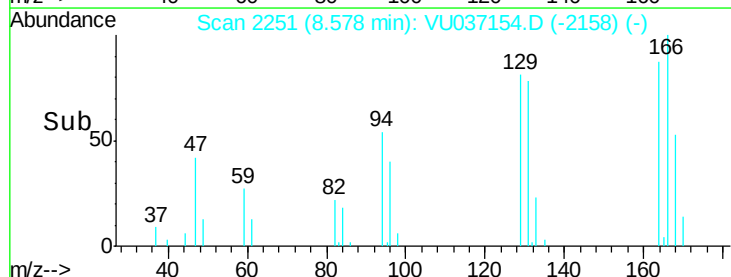


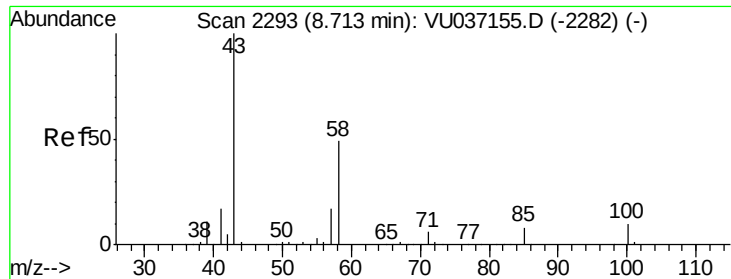
Abundance Ion 163.90 (163.60 to 164.60): VU037154.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU037154.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU037154.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU037154.D (-2158) (-)

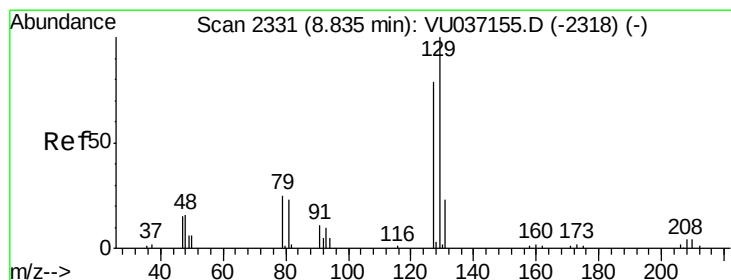
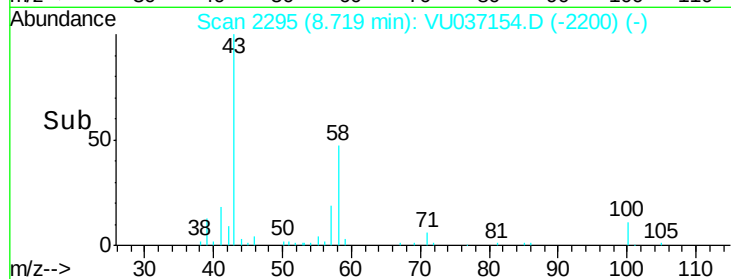
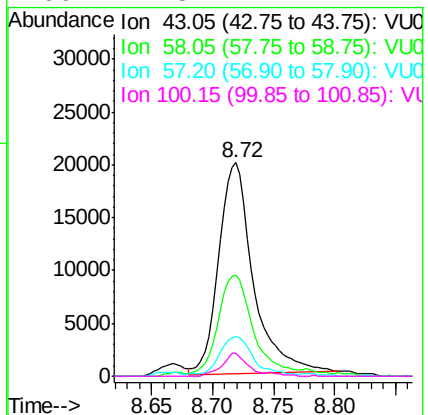
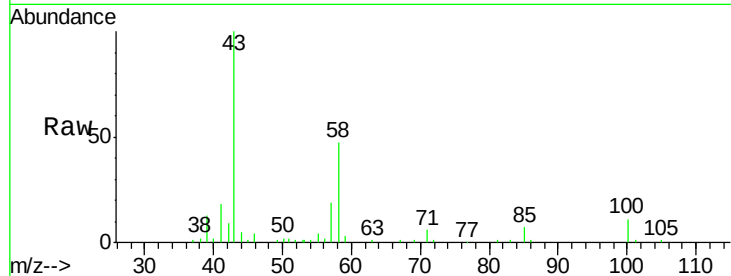




#48
2-Hexanone
Concen: 7.144 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

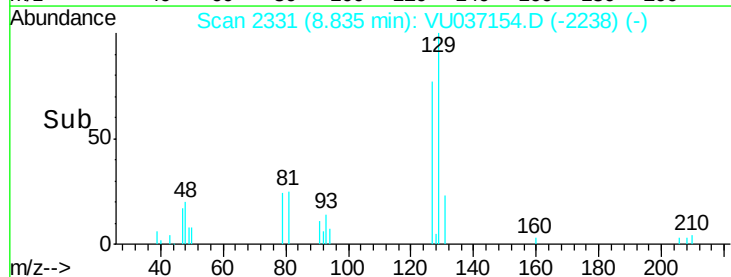
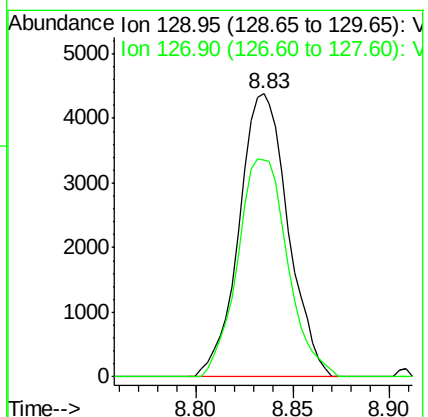
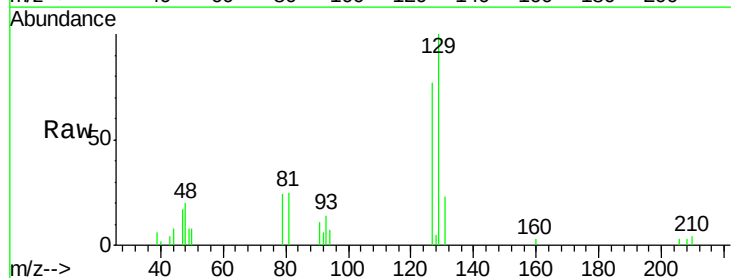
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

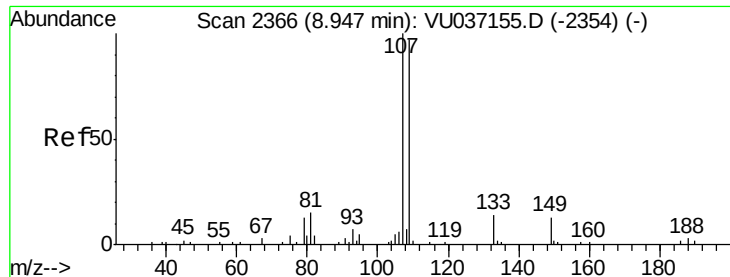
Tgt Ion:	43	Resp:	40080
Ion	Ratio	Lower	Upper
43	100		
58	45.9	38.6	58.0
57	17.1	13.6	20.4
100	7.8	7.4	11.2



#49
Dibromochloromethane
Concen: 0.999 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Tgt Ion:	129	Resp:	7716
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.9	102.1

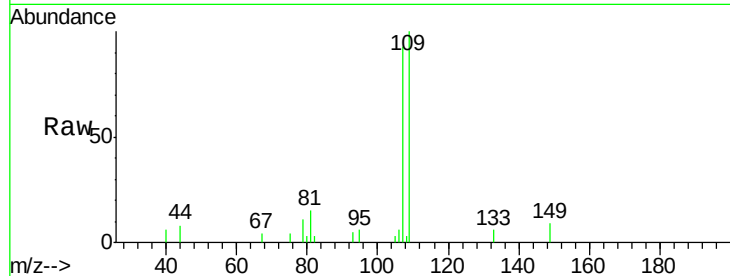




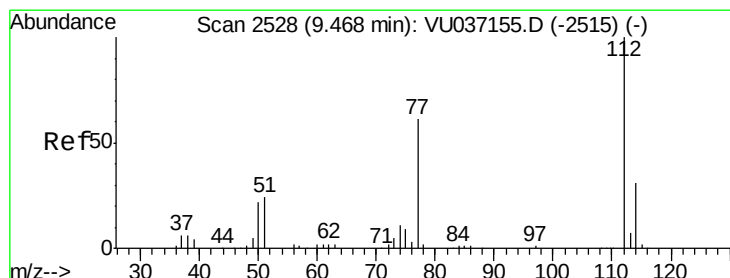
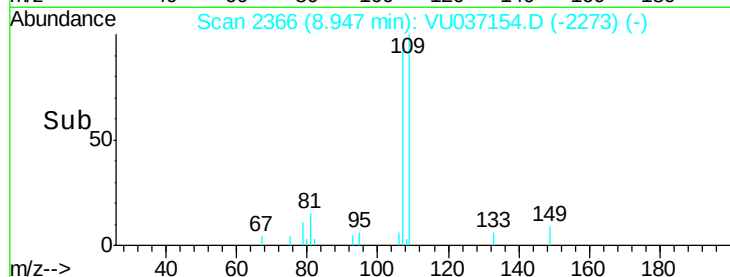
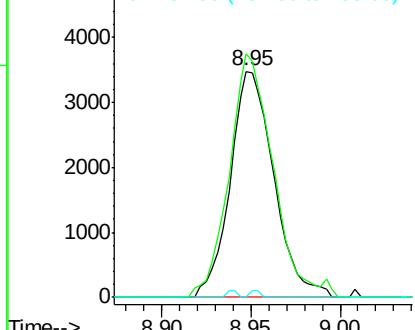
#50
1,2-Dibromoethane
Concen: 0.892 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion:107 Resp: 5911
Ion Ratio Lower Upper
107 100
109 107.9 68.2 126.6
188 0.0 2.0 3.0#

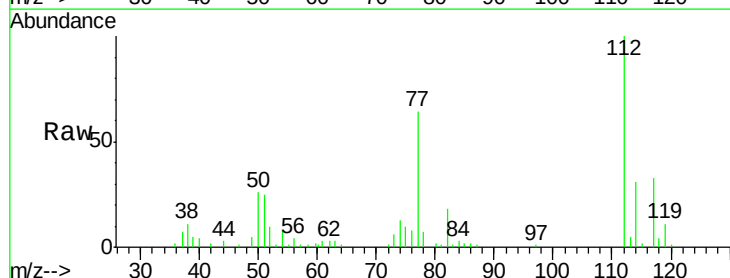


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

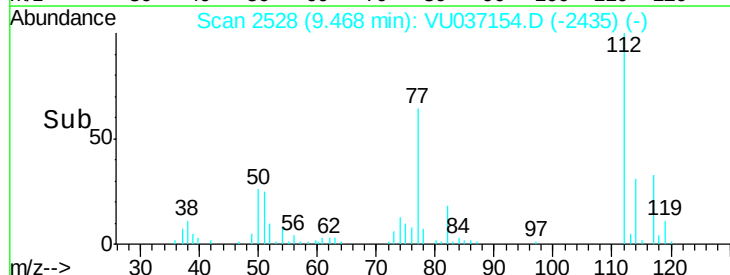
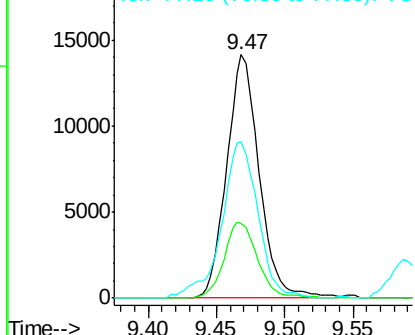


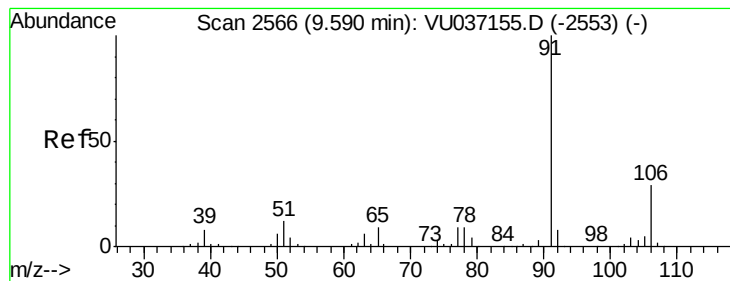
#51
Chlorobenzene
Concen: 0.927 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Tgt Ion:112 Resp: 23532
Ion Ratio Lower Upper
112 100
114 30.6 22.0 40.8
77 64.2 49.4 74.2



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: 0.815 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

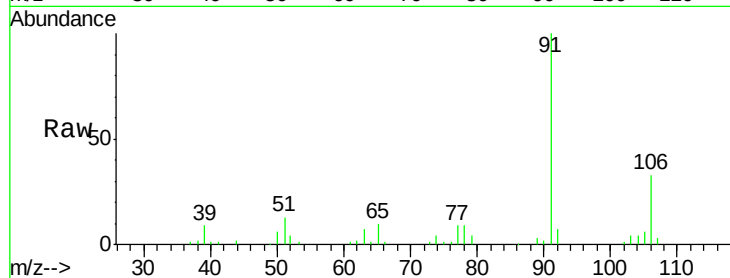
VSTD00106

Tgt Ion: 91 Resp: 37382

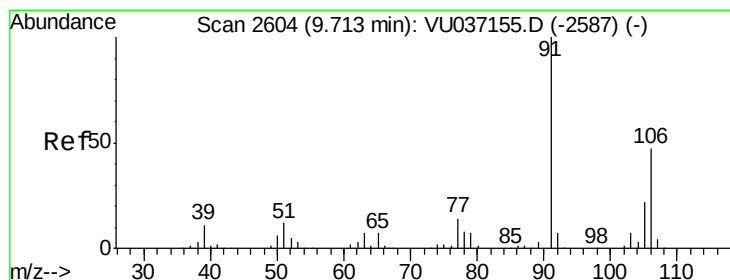
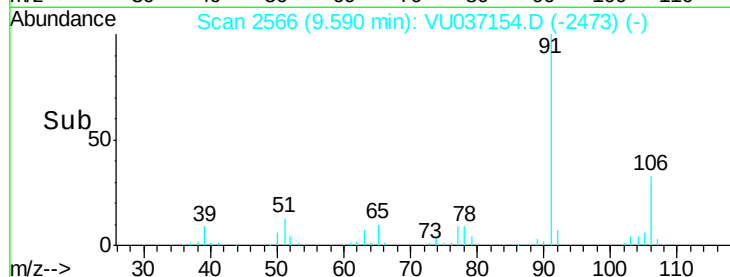
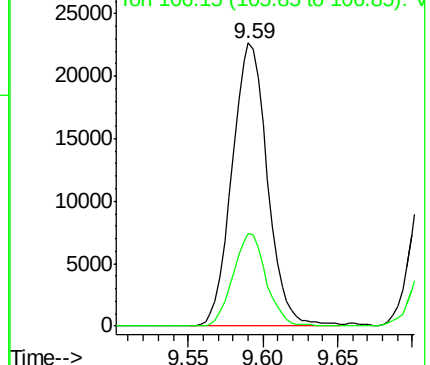
Ion Ratio Lower Upper

91 100

106 32.8 20.4 37.8



Abundance Ion 91.15 (90.85 to 91.85): VU037155.D (-2553) (-)



#53

m,p-Xylene

Concen: 0.779 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037154.D

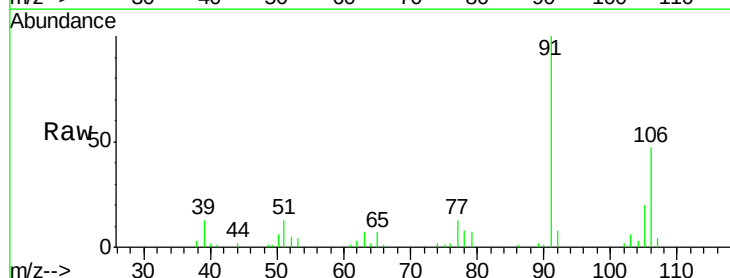
Acq: 10 Mar 2020 16:17

Tgt Ion: 106 Resp: 13096

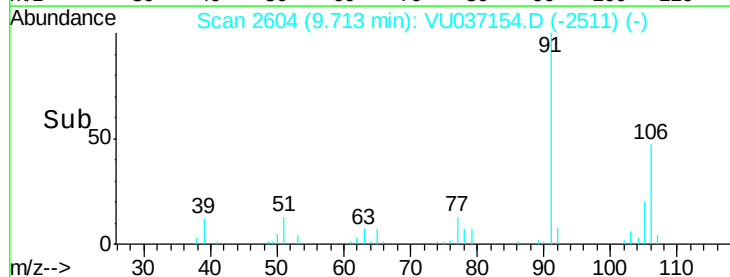
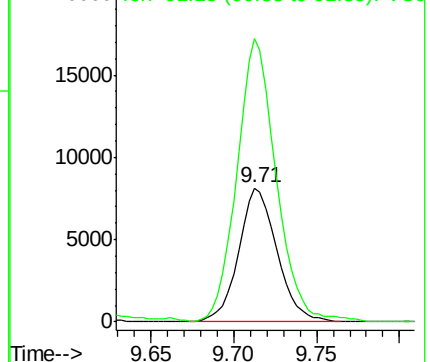
Ion Ratio Lower Upper

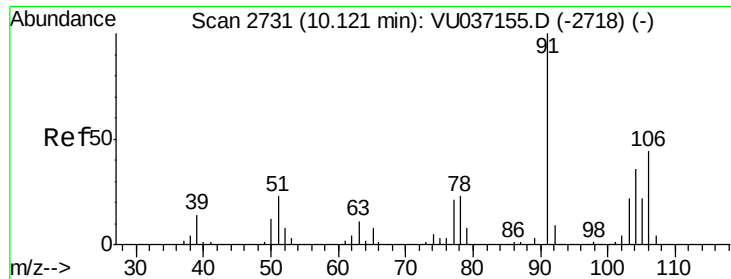
106 100

91 211.7 150.4 279.4



Abundance Ion 106.15 (105.85 to 106.85): VU037155.D (-2587) (-)

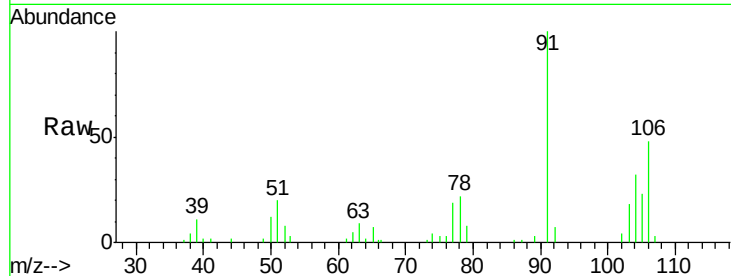




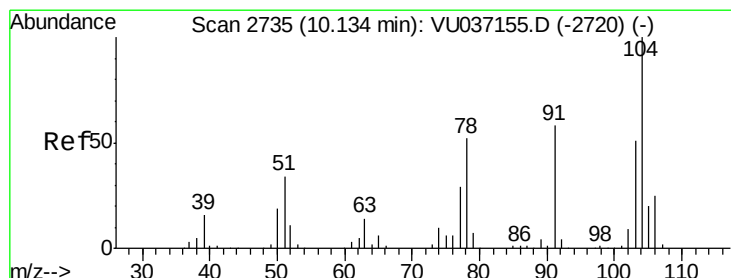
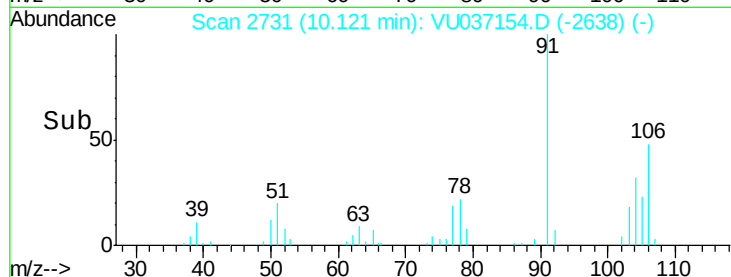
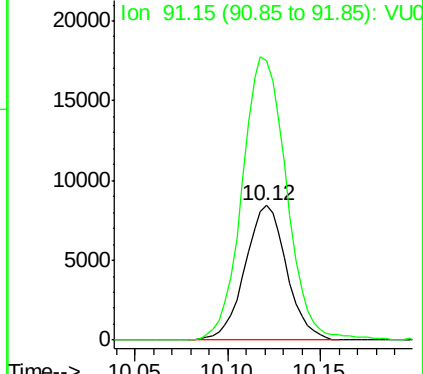
#54
o-Xylene
Concen: 0.807 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion:106 Resp: 13220
Ion Ratio Lower Upper
106 100
91 207.1 160.6 298.2

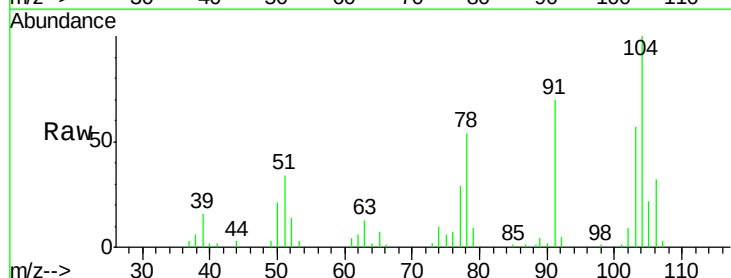


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

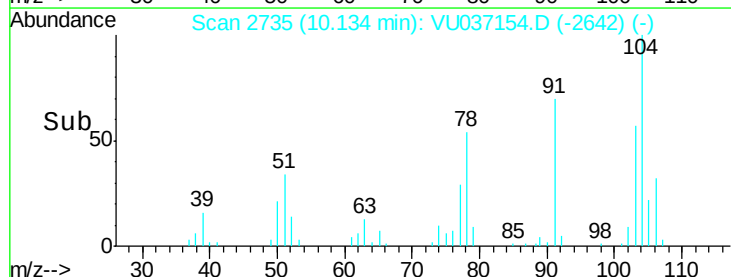
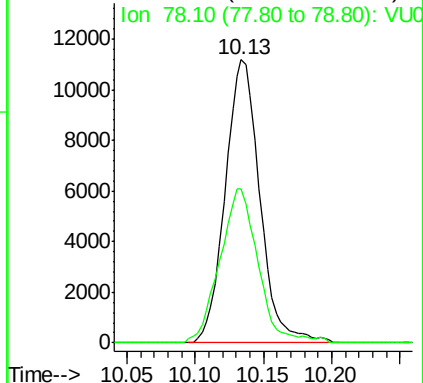


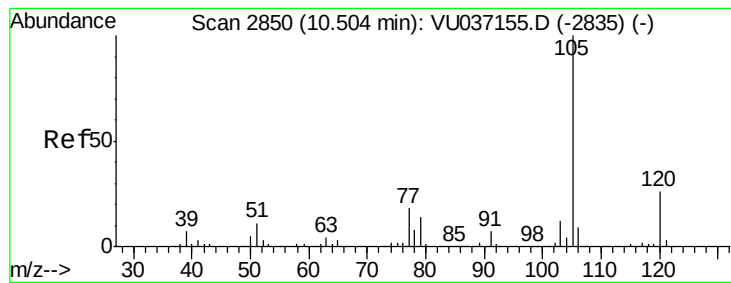
#55
Styrene
Concen: 0.715 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037154.D
Acq: 10 Mar 2020 16:17

Tgt Ion:104 Resp: 19781
Ion Ratio Lower Upper
104 100
78 54.4 36.2 67.2



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





#56

Isopropylbenzene

Concen: 0.764 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

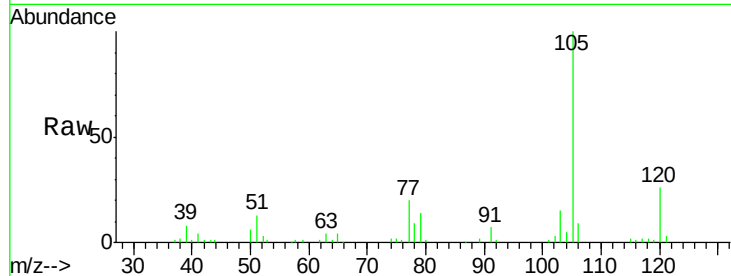
Tgt Ion:105 Resp: 33678

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

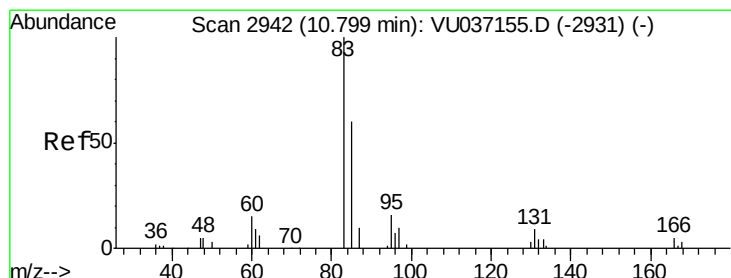
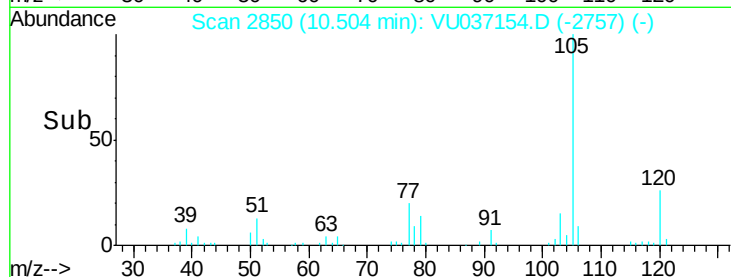
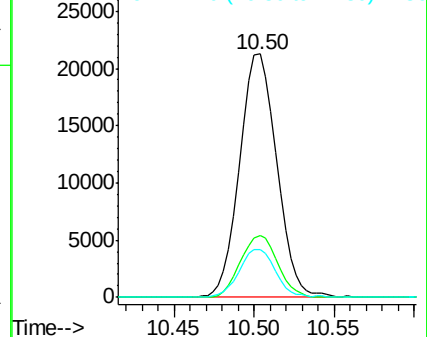
77 19.2 14.2 21.4



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: 0.860 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

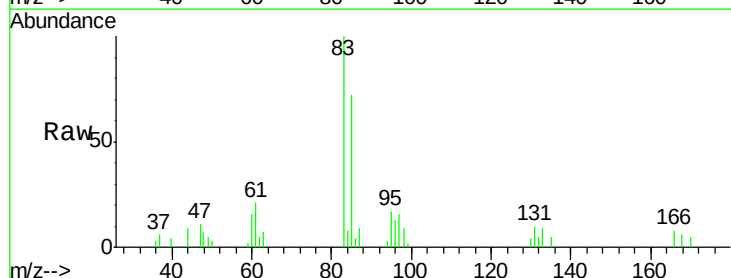
Tgt Ion: 83 Resp: 8086

Ion Ratio Lower Upper

83 100

85 72.3 43.0 80.0

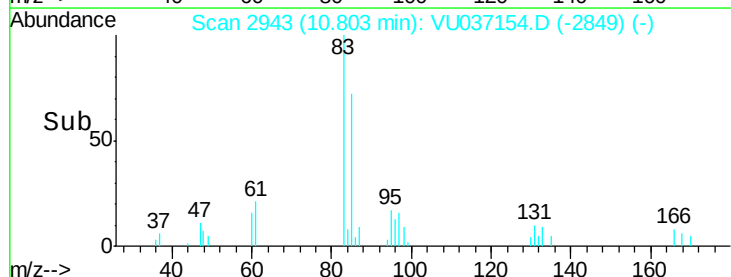
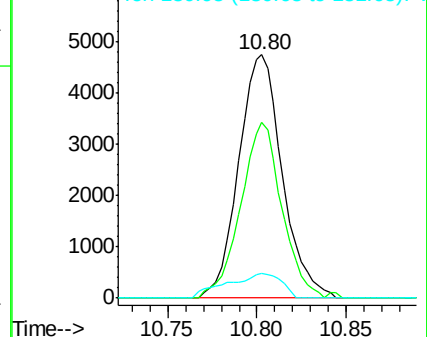
131 10.1 8.2 12.2

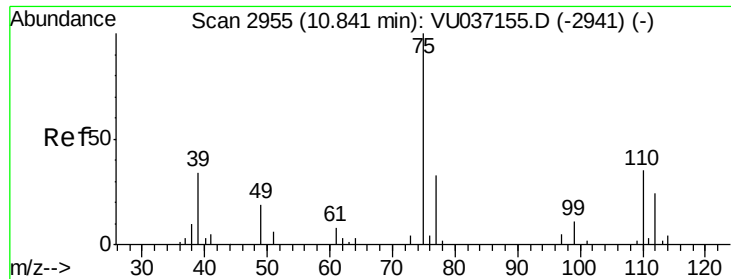


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.957 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

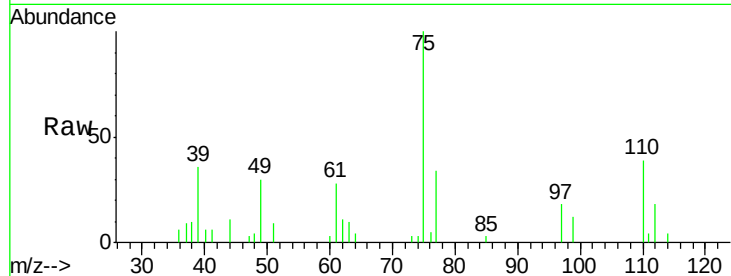
VSTD00106

Tgt Ion: 75 Resp: 6585

Ion Ratio Lower Upper

75 100

77 31.2 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU037155.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037155.D (-2941) (-)

10.84

4000

3000

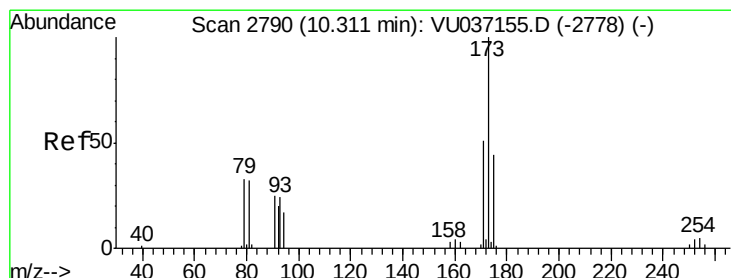
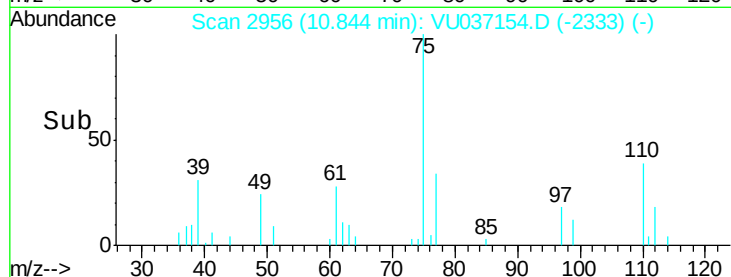
2000

1000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 1.094 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

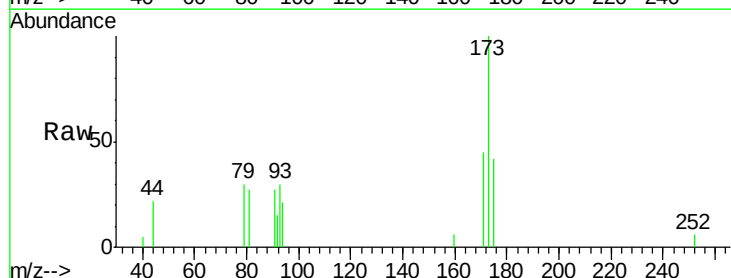
Tgt Ion: 173 Resp: 4009

Ion Ratio Lower Upper

173 100

175 44.9 37.4 56.2

254 0.0 3.5 5.3#



Abundance Ion 172.90 (172.60 to 173.60): VU037155.D (-2778) (-)

Ion 174.90 (174.60 to 175.60): VU037155.D (-2778) (-)

Ion 253.75 (253.45 to 254.45): VU037155.D (-2778) (-)

10.31

3000

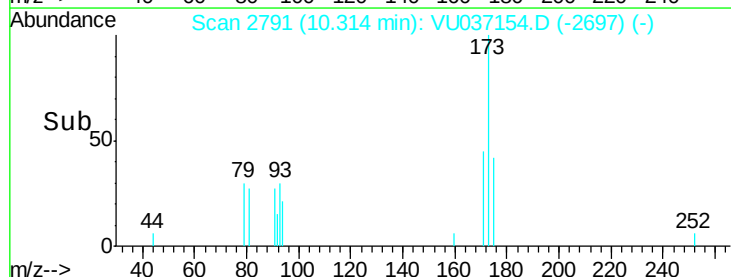
2000

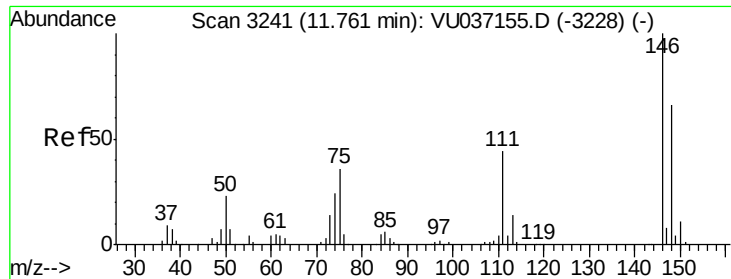
1000

0

10.25 10.30 10.35

Time-->

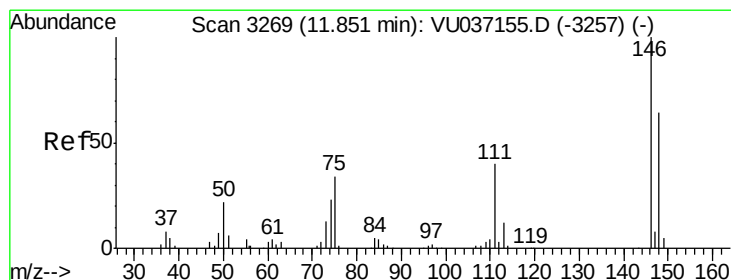
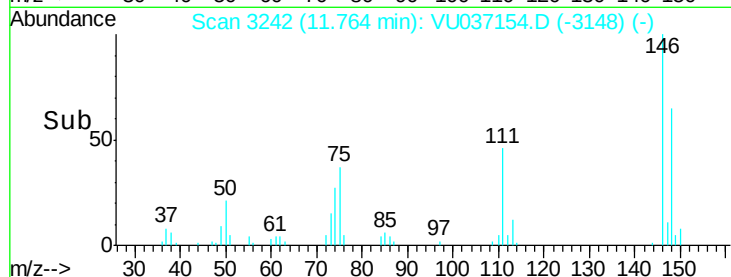
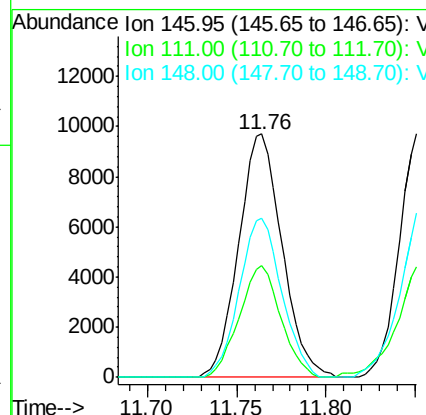
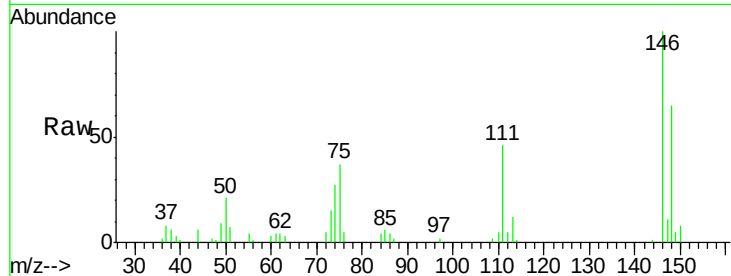




#62
 1,3-Dichlorobenzene
 Concen: 0.926 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

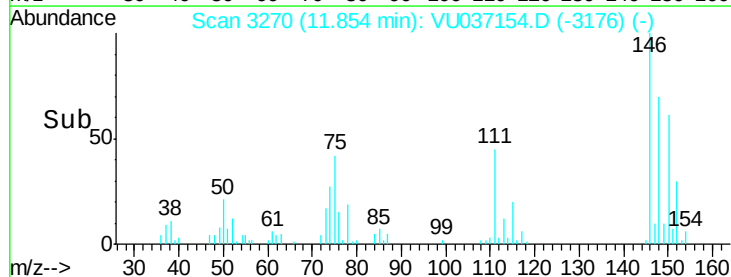
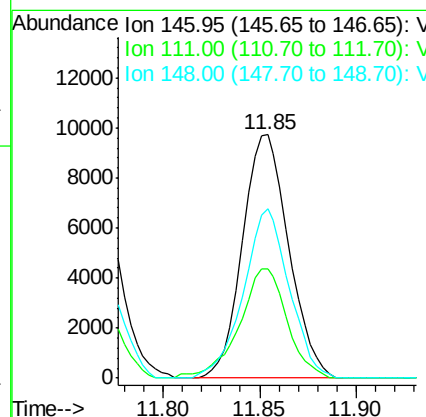
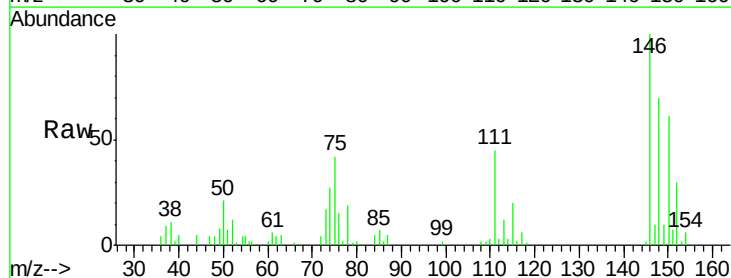
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

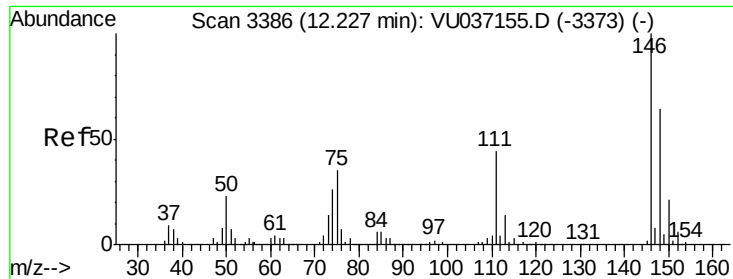
Tgt Ion:146 Resp: 16495
 Ion Ratio Lower Upper
 146 100
 111 45.9 30.6 56.8
 148 65.1 46.2 85.8



#63
 1,4-Dichlorobenzene
 Concen: 0.921 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Tgt Ion:146 Resp: 16189
 Ion Ratio Lower Upper
 146 100
 111 44.8 28.4 52.8
 148 69.5 44.9 83.5

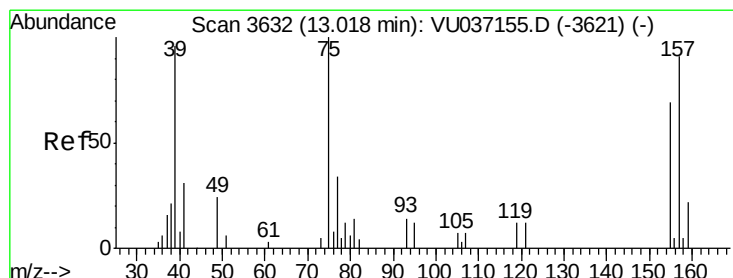
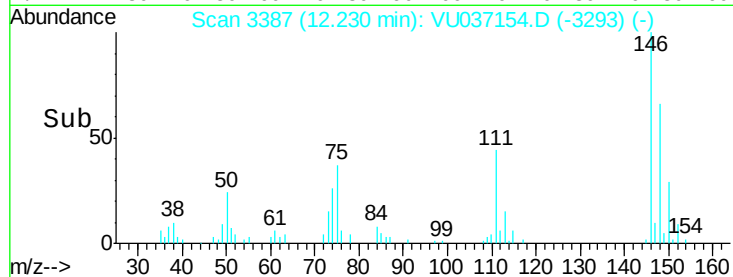
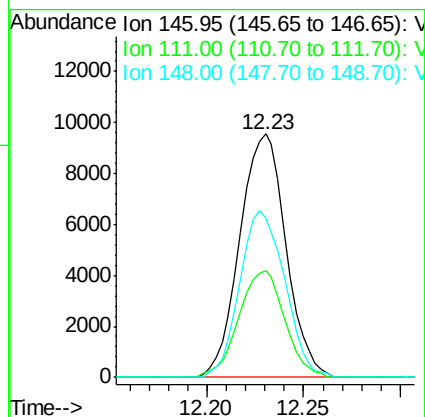
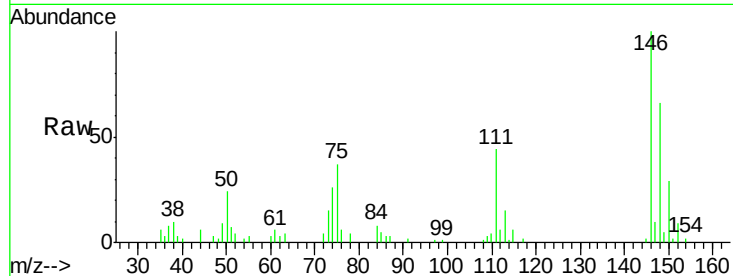




#65
 1,2-Dichlorobenzene
 Concen: 0.928 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

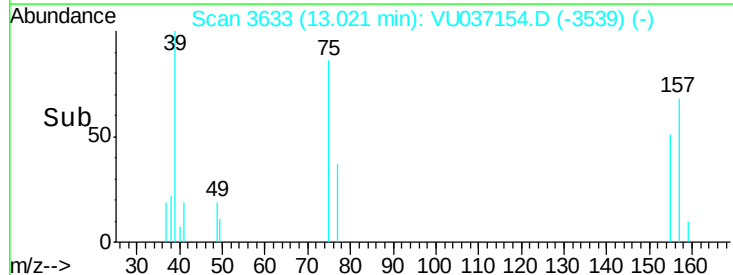
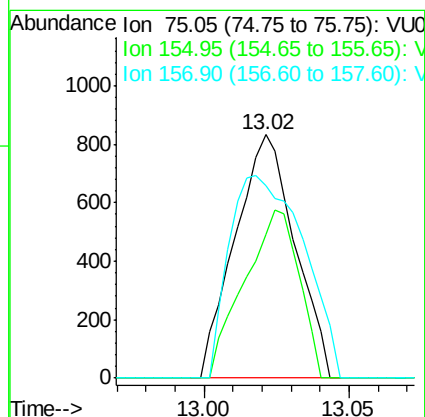
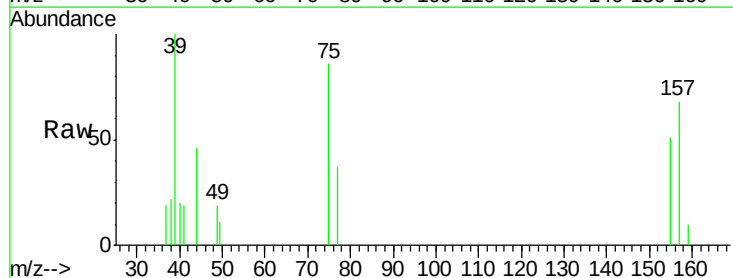
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

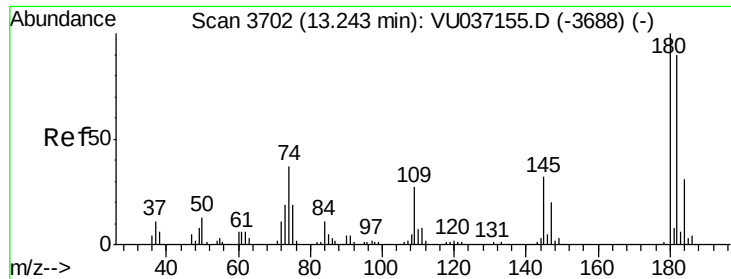
Tgt Ion: 146 Resp: 15838
 Ion Ratio Lower Upper
 146 100
 111 43.8 35.5 53.3
 148 65.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.940 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Tgt Ion: 75 Resp: 1192
 Ion Ratio Lower Upper
 75 100
 155 59.2 55.5 83.3
 157 79.1 73.1 109.7

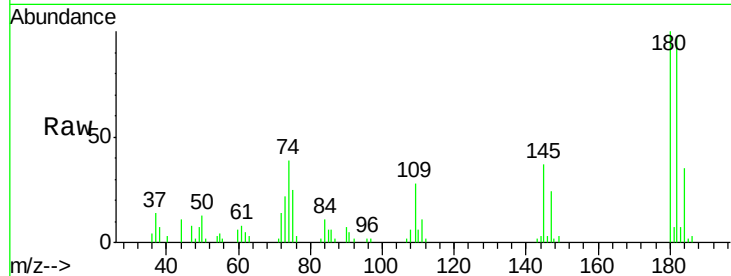




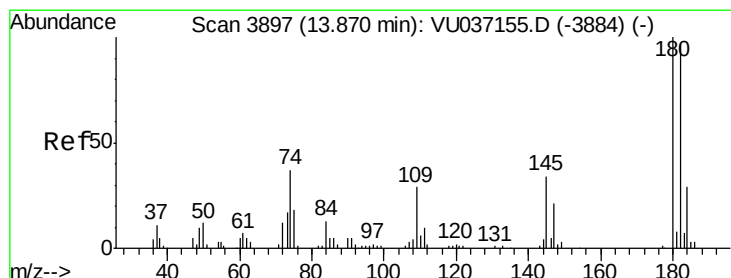
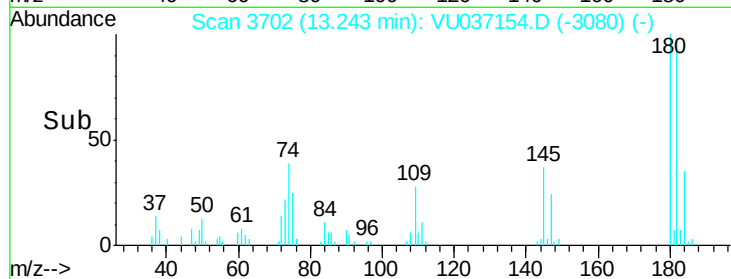
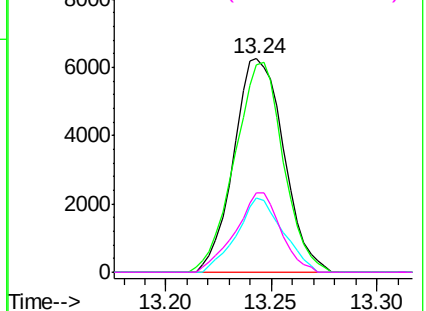
#67
 1,3,5-Trichlorobenzene
 Concen: 0.830 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:180 Resp: 10326
 Ion Ratio Lower Upper
 180 100
 182 95.3 73.6 110.4
 184 32.0 24.1 36.1
 145 33.7 26.3 39.5

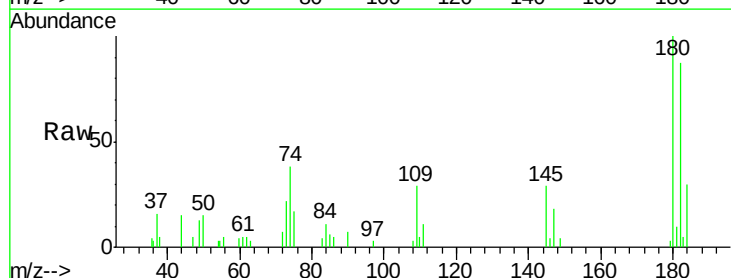


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

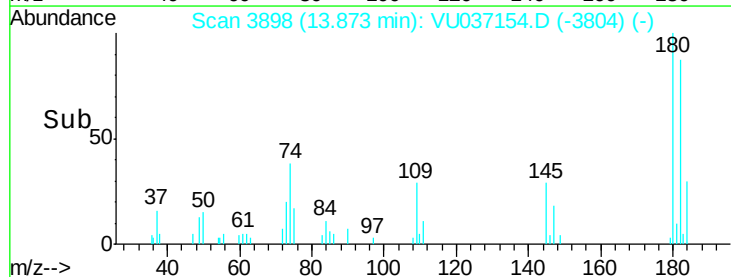
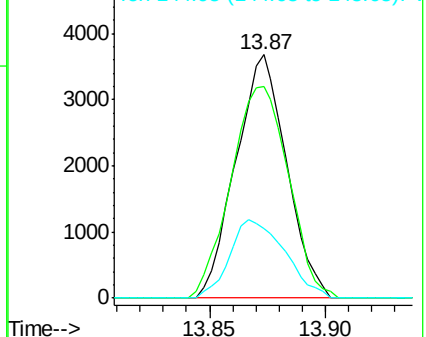


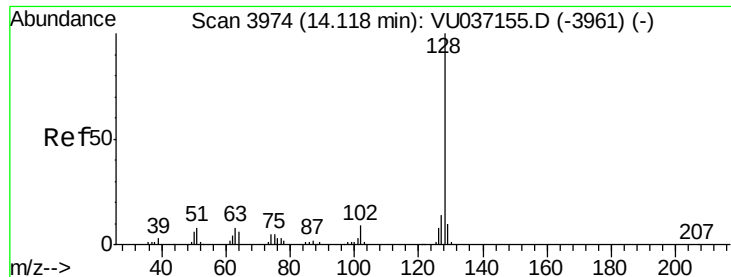
#68
 1,2,4-trichlorobenzene
 Concen: 0.610 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU037154.D
 Acq: 10 Mar 2020 16:17

Tgt Ion:180 Resp: 5584
 Ion Ratio Lower Upper
 180 100
 182 98.8 76.7 115.1
 145 34.9 26.6 39.8



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: 0.372 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

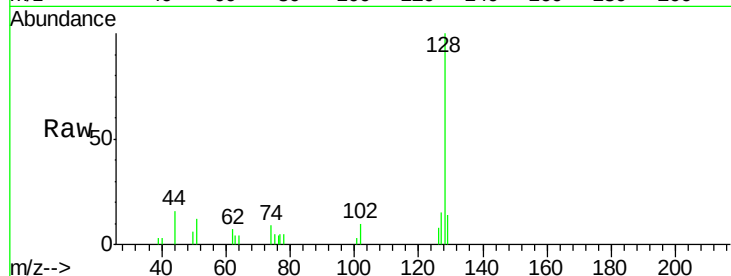
Tgt Ion:128 Resp: 5890

Ion Ratio Lower Upper

128 100

129 9.3 8.6 12.8

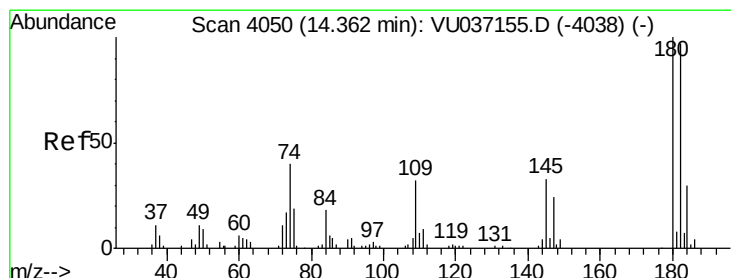
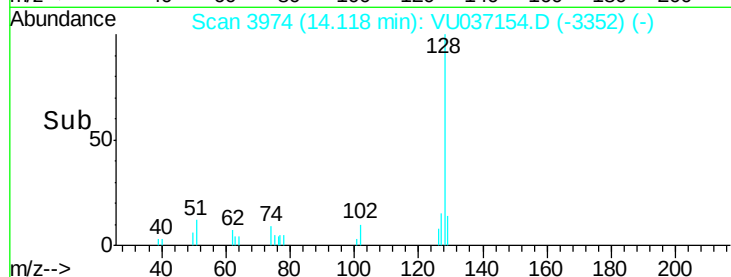
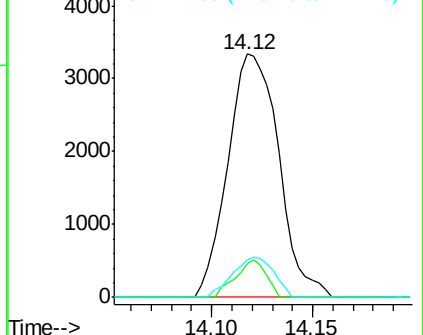
127 13.4 10.6 16.0



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: 0.656 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU037154.D

Acq: 10 Mar 2020 16:17

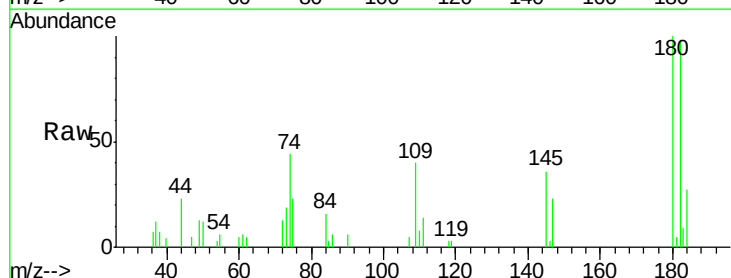
Tgt Ion:180 Resp: 5427

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.6

145 36.9 28.2 42.4



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

