

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083120\
 Data File : VU039998.D
 Acq On : 31 Aug 2020 10:10
 Operator : SY/MD
 Sample : VSTD00104
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Quant Time: Aug 31 17:58:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 31 17:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112001	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52898	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	5873	0.61	ug/L	0.00
7) Chloroethane-d5	1.93	69	5256	0.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	15185	0.79	ug/L	0.00
20) 2-Butanone-d5	4.66	46	22479	7.05	ug/L	0.00
24) Chloroform-d	5.08	84	14318	0.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	9253	0.85	ug/L	0.00
32) Benzene-d6	5.74	84	23925	0.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	8213	0.76	ug/L	0.00
41) Toluene-d8	7.90	98	21719	0.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	3917	0.86	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	15308	6.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	6886	0.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	8306	0.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	10795	0.891 ug/L	97
3) Chloromethane	1.53	50	10562	0.791 ug/L	96
5) Vinyl chloride	1.61	62	10563	0.839 ug/L	97
6) Bromomethane	1.87	94	5729	0.802 ug/L	89
8) Chloroethane	1.94	64	6333	0.778 ug/L	98
9) Trichlorofluoromethane	2.15	101	16196	0.856 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	10225	0.968 ug/L	92
12) 1,1-Dichloroethene	2.59	96	8896	0.884 ug/L	96
13) Acetone	2.67	43	22239	9.582 ug/L	98
14) Carbon disulfide	2.81	76	28066	0.868 ug/L	97
15) Methyl Acetate	2.97	43	5569	0.965 ug/L	92
16) Methylene chloride	3.06	84	12061	0.870 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	24624	0.942 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	9252	0.885 ug/L	92
19) 1,1-Dichloroethane	3.89	63	19770	1.000 ug/L	95
21) 2-Butanone	4.74	43	34279	8.690 ug/L	88
22) cis-1,2-Dichloroethene	4.69	96	9893	0.898 ug/L	99
23) Bromochloromethane	5.00	128	4359	0.849 ug/L	89
25) Chloroform	5.11	83	19564	0.967 ug/L	91
27) 1,2-Dichloroethane	5.81	62	14324	0.999 ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	16833	0.999 ug/L	98
30) Cyclohexane	5.41	56	15595	0.943 ug/L	99
31) Carbon tetrachloride	5.54	117	14624	0.990 ug/L	90
33) Benzene	5.79	78	38882	0.951 ug/L	100
34) Trichloroethene	6.56	95	10842	1.014 ug/L	87
35) Methylcyclohexane	6.78	83	14998	0.921 ug/L	99
37) 1,2-Dichloropropane	6.80	63	10212	0.930 ug/L	98
38) Bromodichloromethane	7.11	83	13899	0.989 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	14664	0.947 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	81137	9.211 ug/L	98

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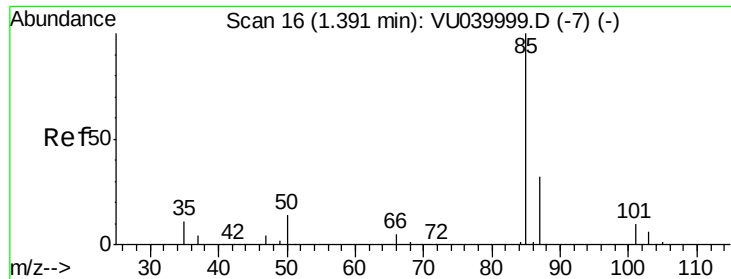
Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Aug 31 17:58:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.98	91	37922	0.905	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	12988	0.888	ug/L	87
45) 1,1,2-Trichloroethane	8.41	97	7829	0.945	ug/L	97
47) Tetrachloroethene	8.56	164	6557	0.852	ug/L	87
48) 2-Hexanone	8.69	43	59196	9.323	ug/L	96
49) Dibromochloromethane	8.82	129	9046	0.920	ug/L	99
50) 1,2-Dibromoethane	8.93	107	7693	0.976	ug/L #	95
51) Chlorobenzene	9.45	112	24290	0.898	ug/L	96
52) Ethylbenzene	9.57	91	42912	0.933	ug/L	99
53) m,p-Xylene	9.69	106	15649	0.902	ug/L	85
54) o-Xylene	10.10	106	13794	0.838	ug/L	98
55) Styrene	10.11	104	23314	0.818	ug/L	99
56) Isopropylbenzene	10.48	105	37262	0.841	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.78	83	9550	0.902	ug/L	90
59) 1,2,3-Trichloropropane	10.82	75	7196	0.906	ug/L	99
61) Bromoform	10.29	173	4540	0.967	ug/L #	94
62) 1,3-Dichlorobenzene	11.74	146	17923	0.919	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	18307	0.920	ug/L	95
65) 1,2-Dichlorobenzene	12.21	146	17536	0.927	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	1981	1.205	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	12636	0.875	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	10868	0.878	ug/L	99
69) Naphthalene	14.08	128	19049	0.808	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	9479	0.822	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.891 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

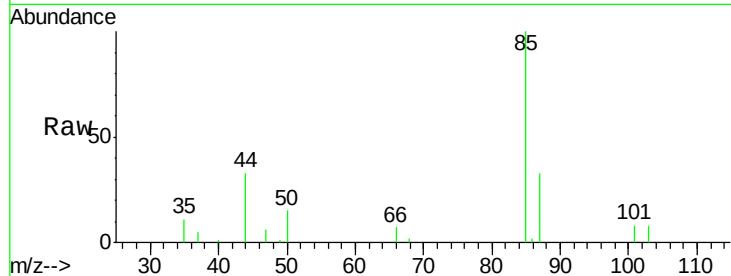
VSTD00104

Tgt Ion: 85 Resp: 10795

Ion Ratio Lower Upper

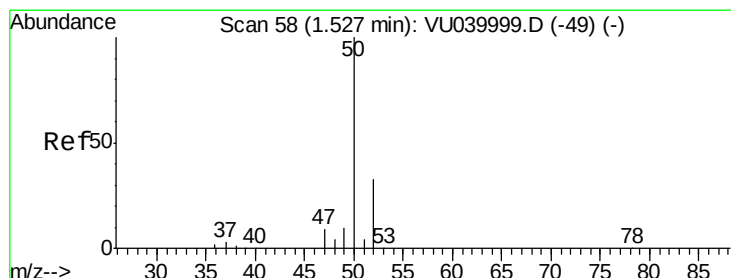
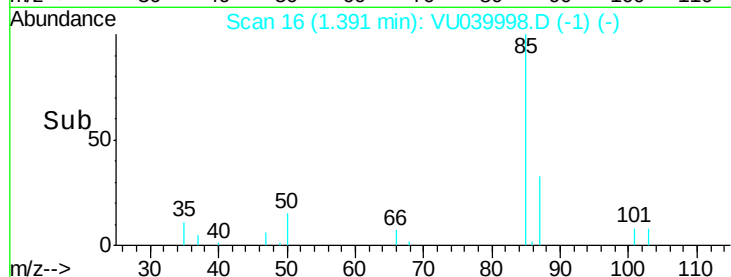
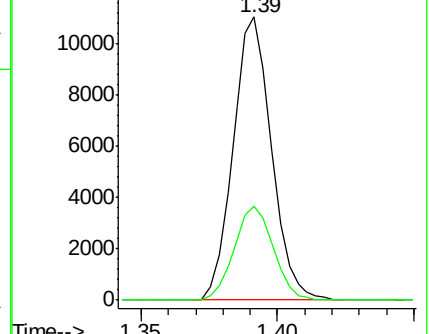
85 100

87 33.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.791 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039998.D

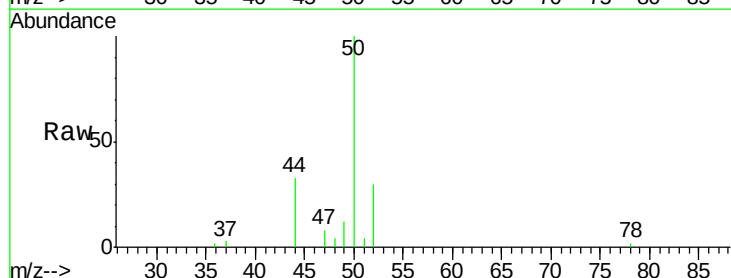
Acq: 31 Aug 2020 10:10

Tgt Ion: 50 Resp: 10562

Ion Ratio Lower Upper

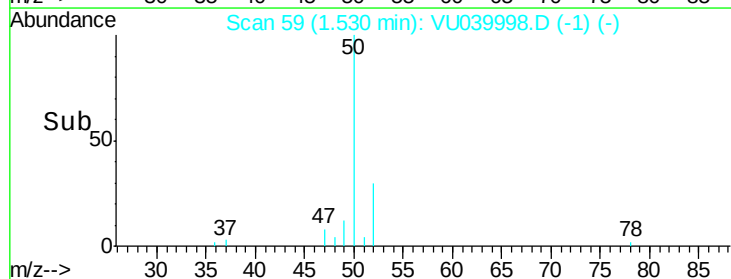
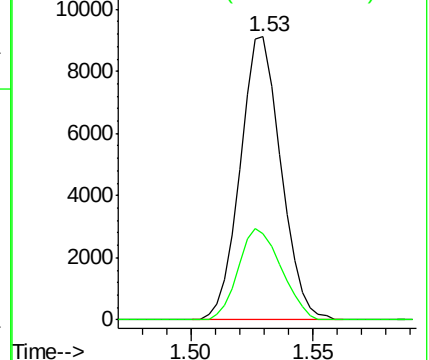
50 100

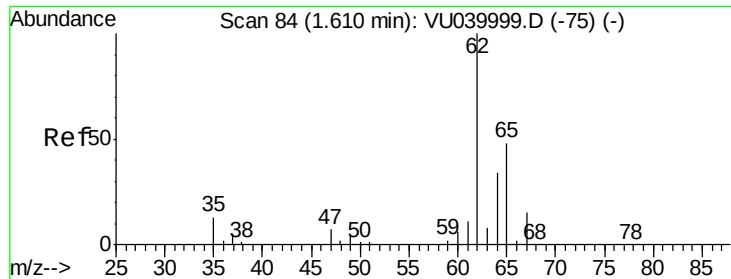
52 30.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.839 ug/L

RT: 1.61 min Scan# 85

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

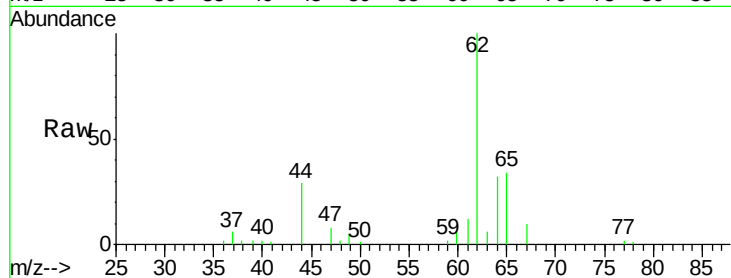
VSTD00104

Tgt Ion: 62 Resp: 10563

Ion Ratio Lower Upper

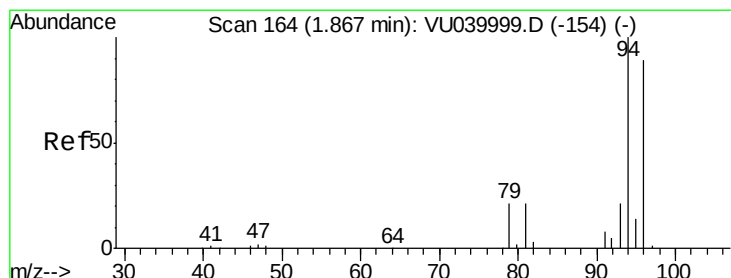
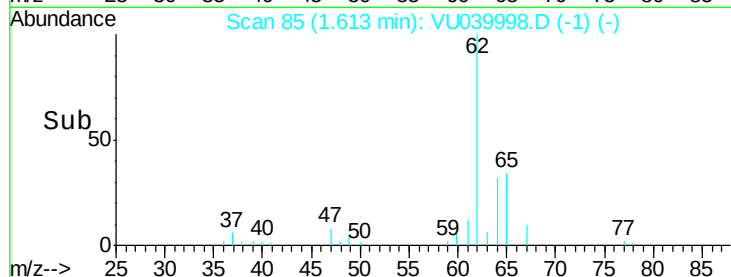
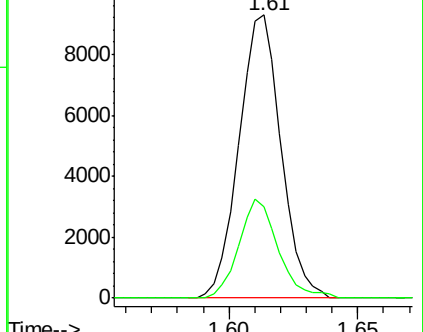
62 100

64 32.3 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU039999.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039999.D (-75) (-)



#6

Bromomethane

Concen: 0.802 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039998.D

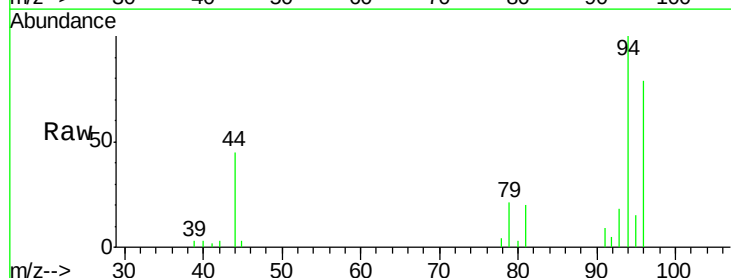
Acq: 31 Aug 2020 10:10

Tgt Ion: 94 Resp: 5729

Ion Ratio Lower Upper

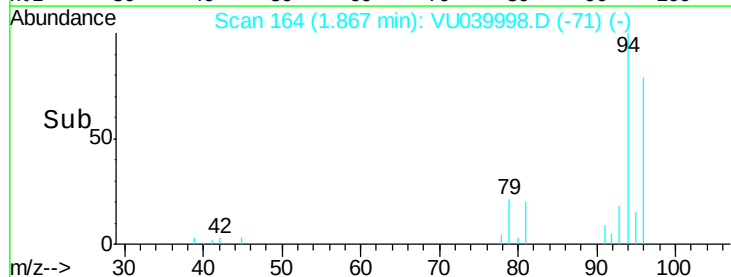
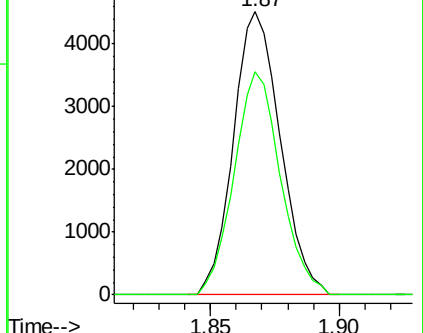
94 100

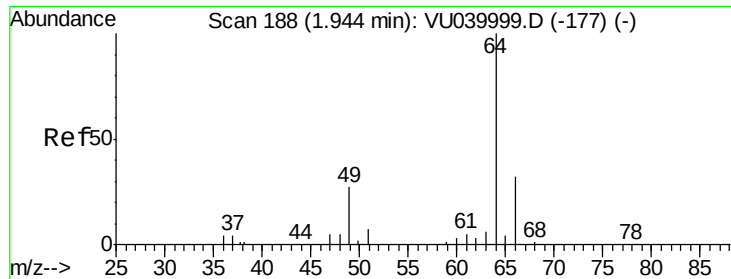
96 79.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU039999.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039999.D (-154) (-)





#8

Chloroethane

Concen: 0.778 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

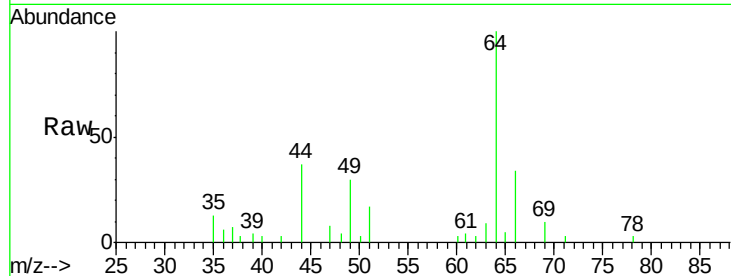
VSTD00104

Tgt Ion: 64 Resp: 6333

Ion Ratio Lower Upper

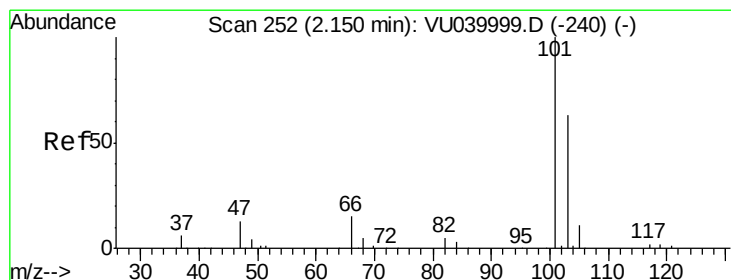
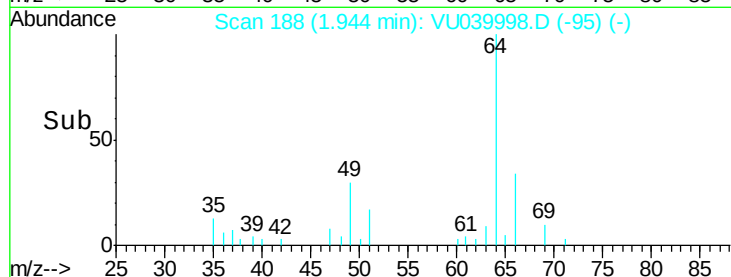
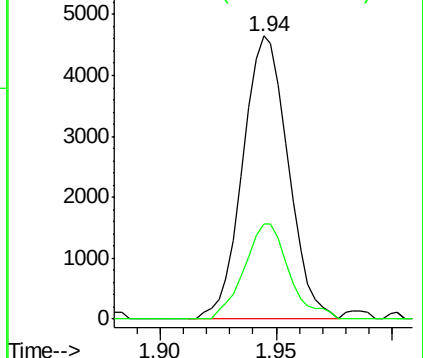
64 100

66 33.8 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU039999.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039999.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.856 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039998.D

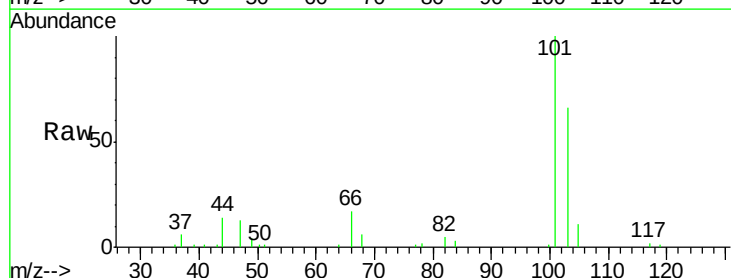
Acq: 31 Aug 2020 10:10

Tgt Ion: 101 Resp: 16196

Ion Ratio Lower Upper

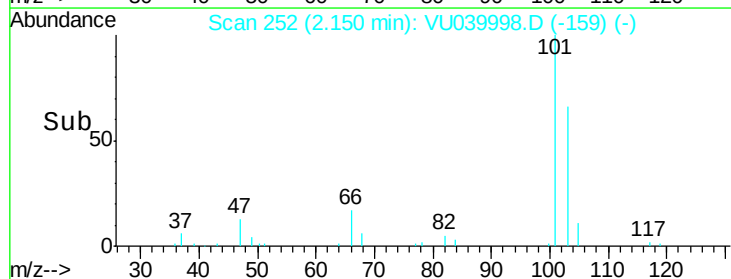
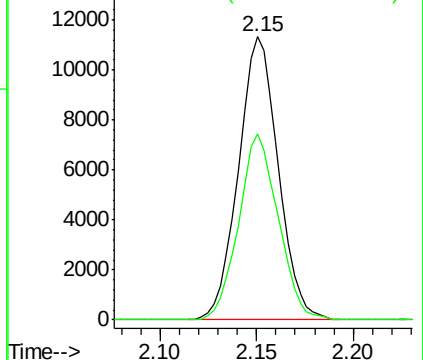
101 100

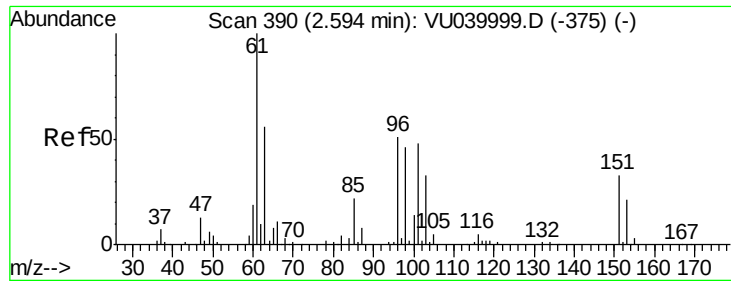
103 65.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU039999.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039999.D (-240) (-)





#10

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

Concen: 0.968 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.01 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

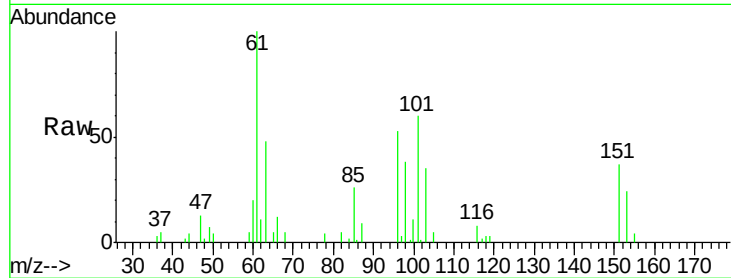
Tgt Ion:101 Resp: 10225

Ion Ratio Lower Upper

101 100

85 42.6 37.7 56.5

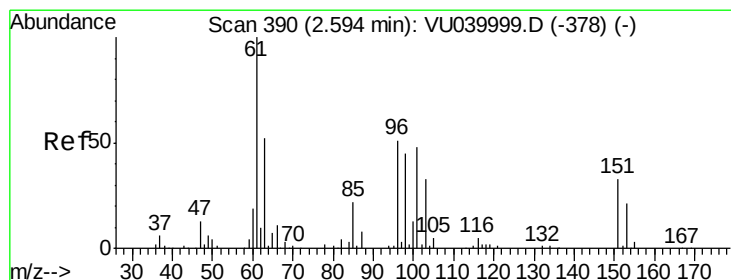
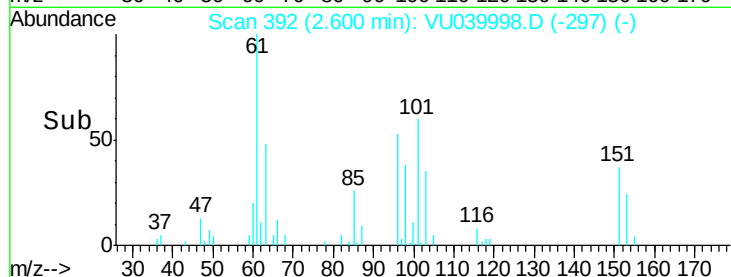
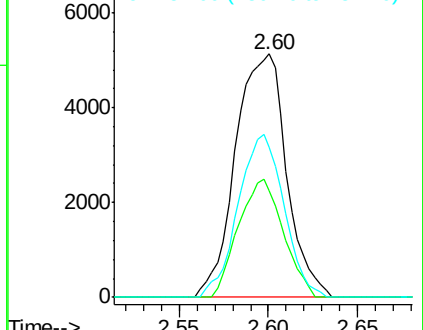
151 60.0 53.9 80.9



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: 0.884 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

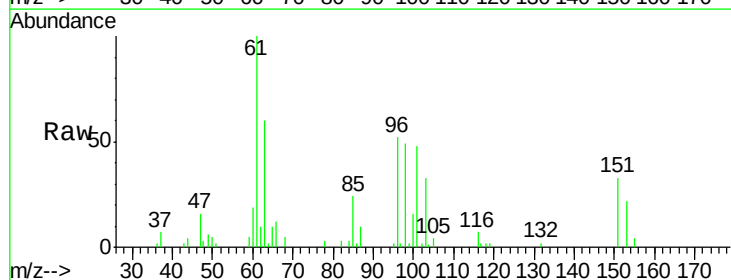
Tgt Ion: 96 Resp: 8896

Ion Ratio Lower Upper

96 100

61 191.9 138.3 256.8

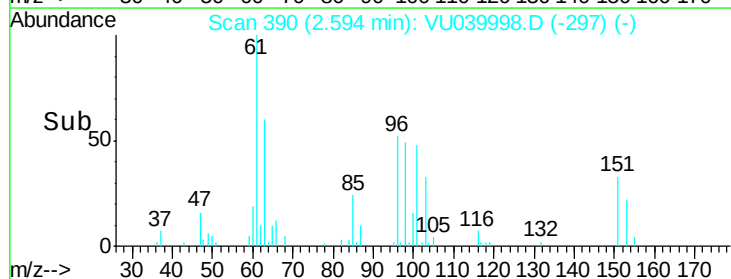
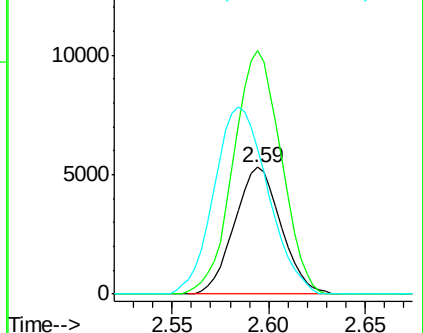
63 114.5 77.6 144.2

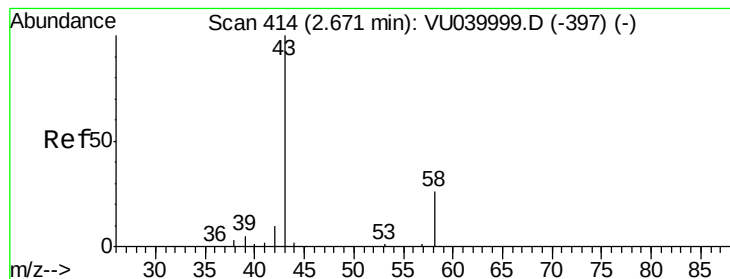


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.582 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

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ClientSampleId :

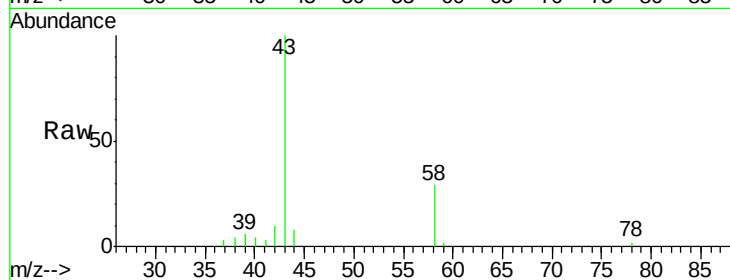
VSTD00104

Tgt Ion: 43 Resp: 22239

Ion Ratio Lower Upper

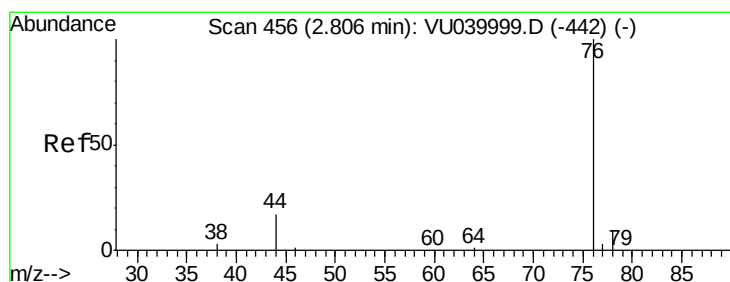
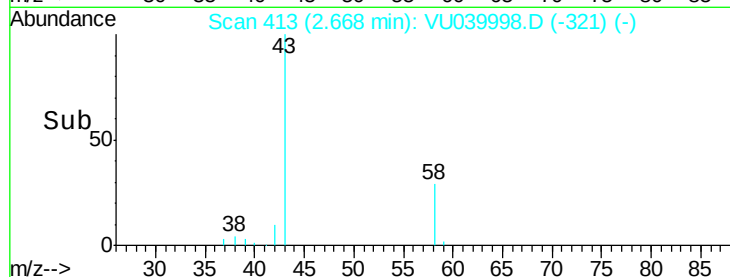
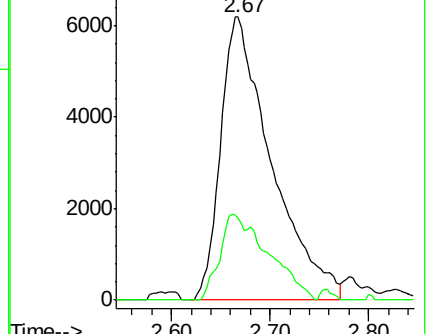
43 100

58 29.0 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU039998.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU039998.D (-321) (-)



#14

Carbon disulfide

Concen: 0.868 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039998.D

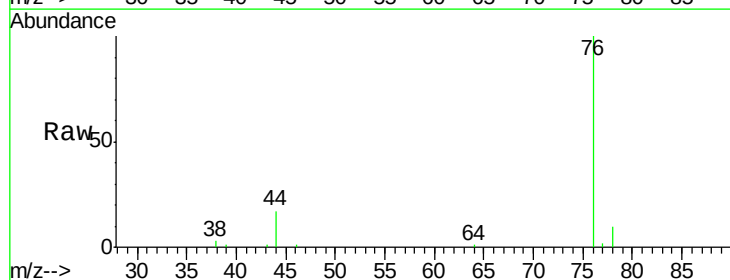
Acq: 31 Aug 2020 10:10

Tgt Ion: 76 Resp: 28066

Ion Ratio Lower Upper

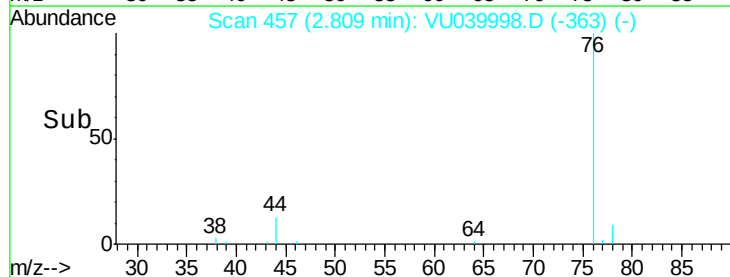
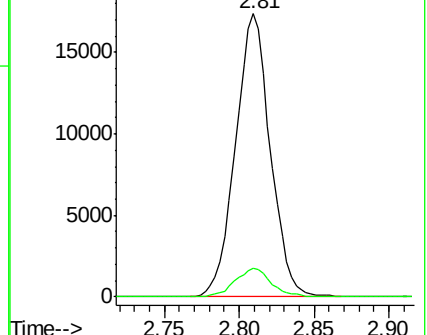
76 100

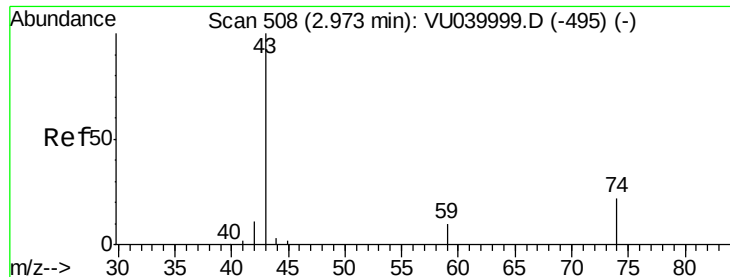
78 10.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039998.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039998.D (-363) (-)





#15

Methyl Acetate

Concen: 0.965 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

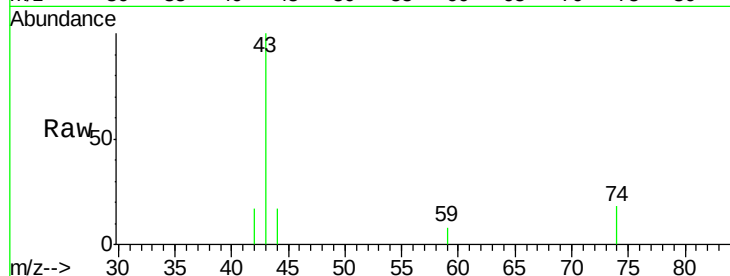
VSTD00104

Tgt Ion: 43 Resp: 5569

Ion Ratio Lower Upper

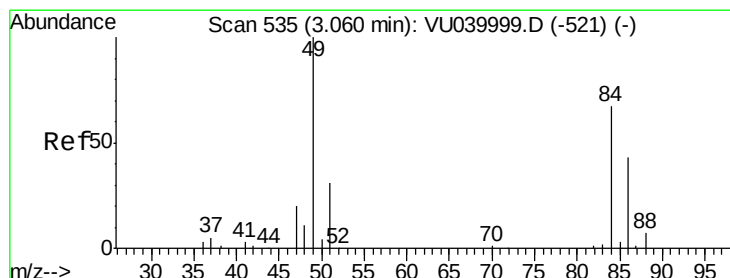
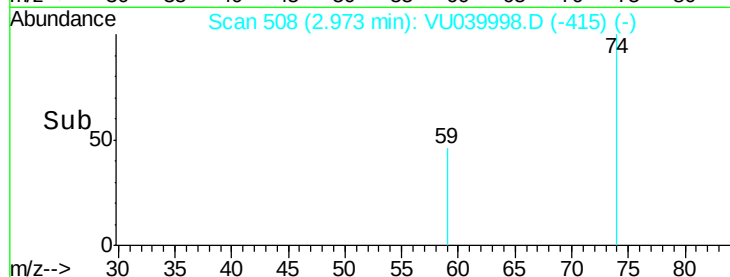
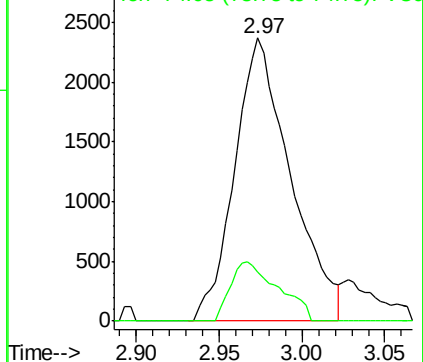
43 100

74 17.9 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.870 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

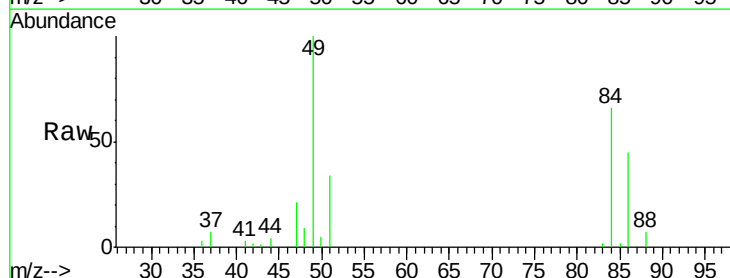
Tgt Ion: 84 Resp: 12061

Ion Ratio Lower Upper

84 100

86 67.6 45.2 84.0

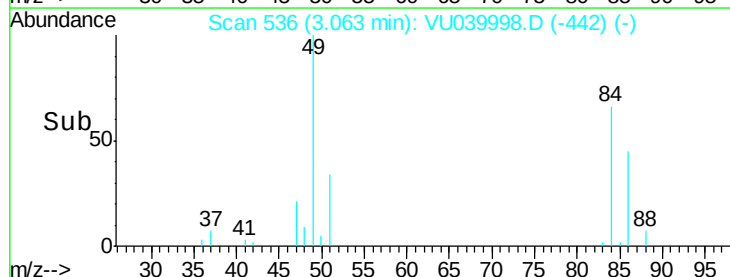
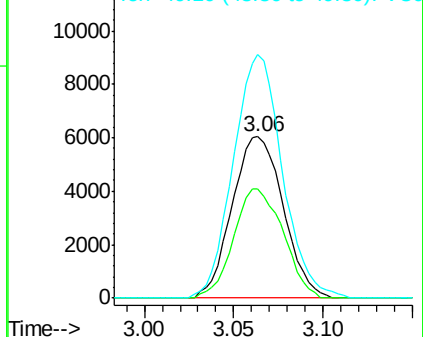
49 151.1 104.0 193.2

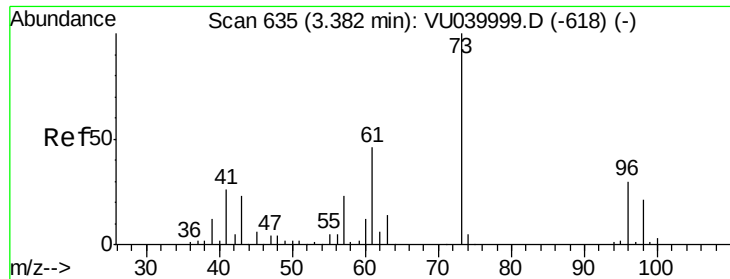


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

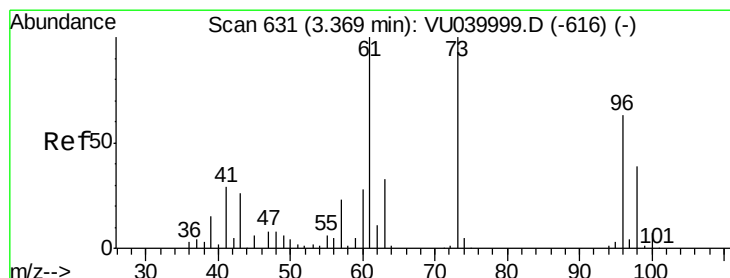
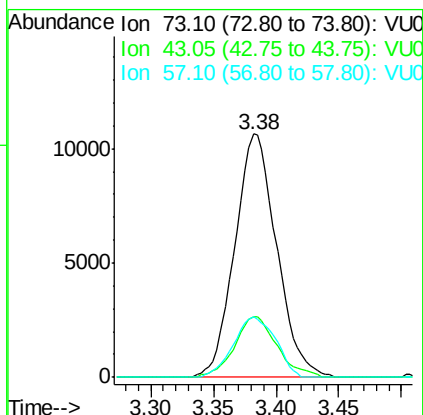
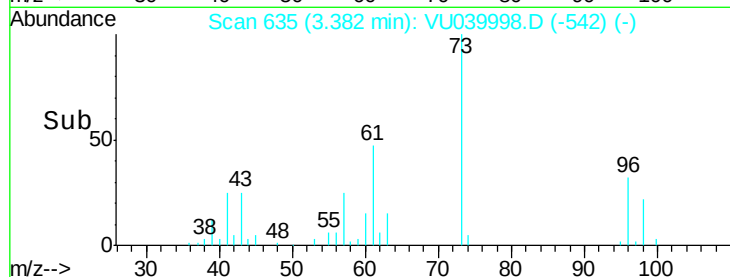
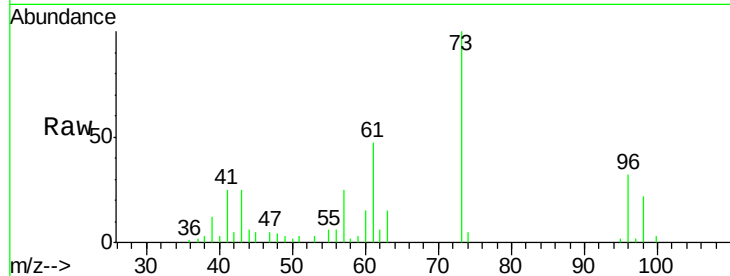




#17
Methyl tert-butyl Ether
Concen: 0.942 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

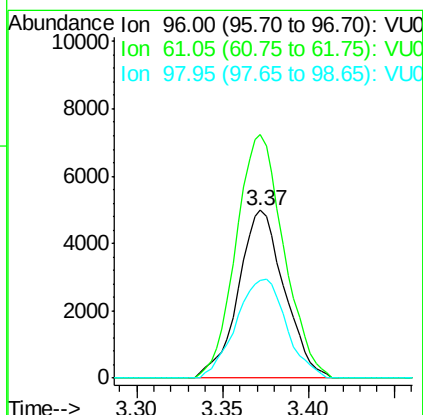
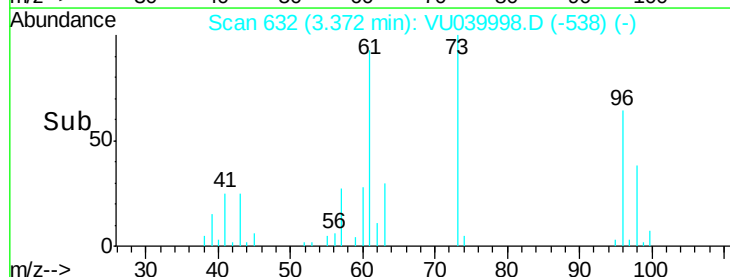
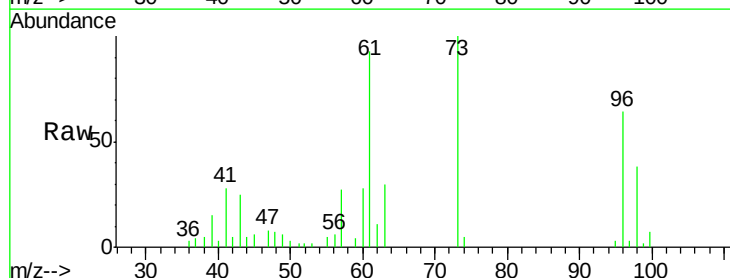
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

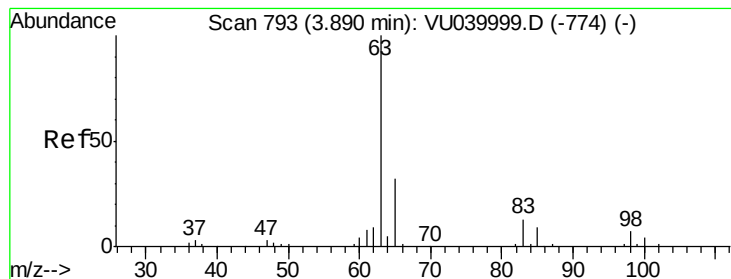
Tgt Ion: 73 Resp: 24624
Ion Ratio Lower Upper
73 100
43 25.1 19.1 28.7
57 25.0 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 0.885 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

Tgt Ion: 96 Resp: 9252
Ion Ratio Lower Upper
96 100
61 145.3 110.5 205.3
98 58.3 43.2 80.2





#19

1,1-Dichloroethane

Concen: 1.000 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

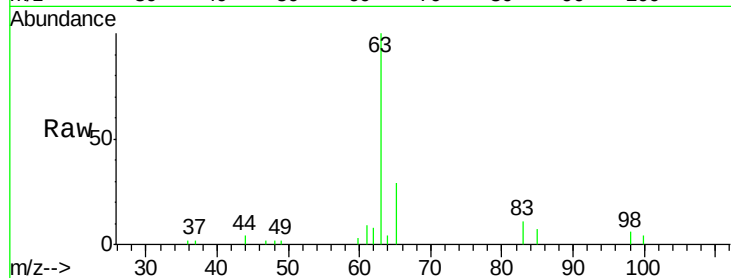
Tgt Ion: 63 Resp: 19770

Ion Ratio Lower Upper

63 100

65 28.8 22.2 41.2

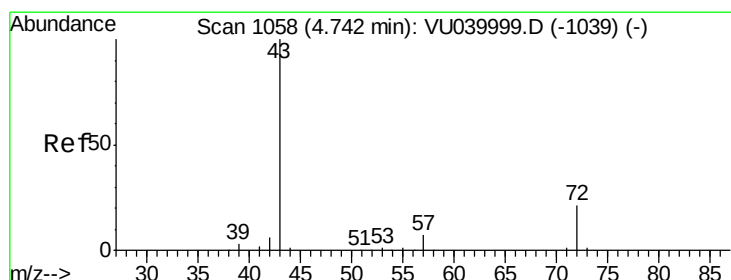
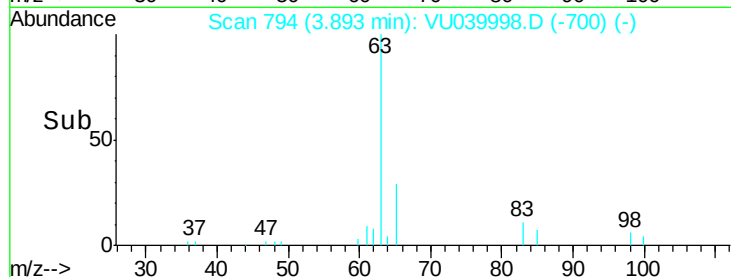
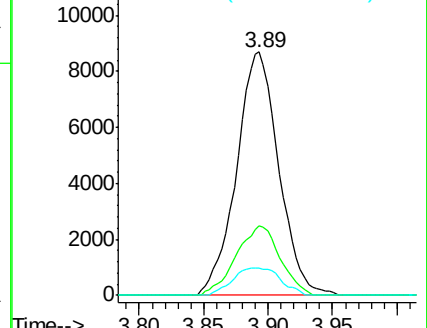
83 11.2 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU039998.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039998.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039998.D (-774) (-)



#21

2-Butanone

Concen: 8.690 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU039998.D

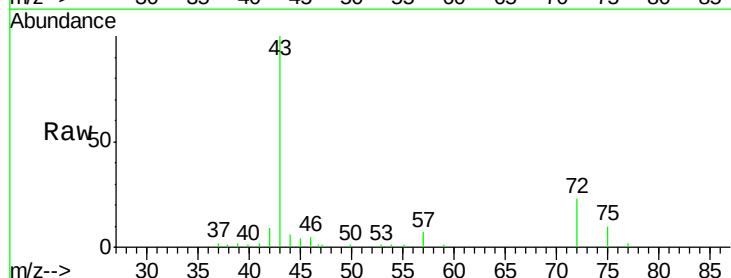
Acq: 31 Aug 2020 10:10

Tgt Ion: 43 Resp: 34279

Ion Ratio Lower Upper

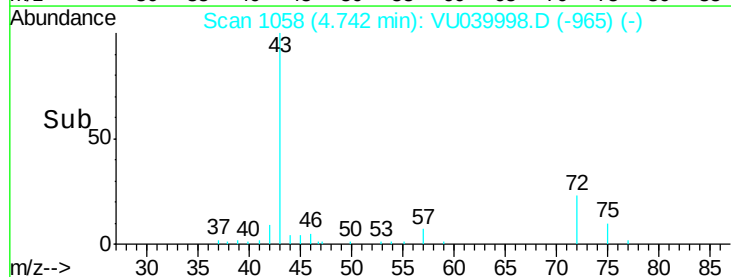
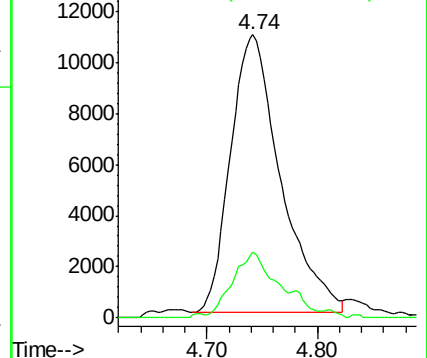
43 100

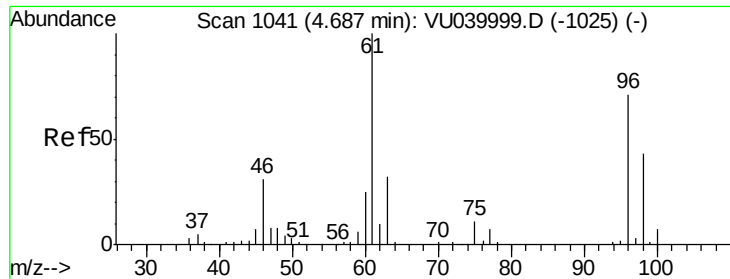
72 17.4 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU039998.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU039998.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.898 ug/L

RT: 4.69 min Scan# 1041

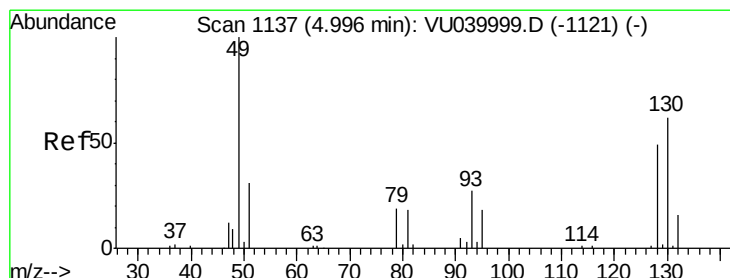
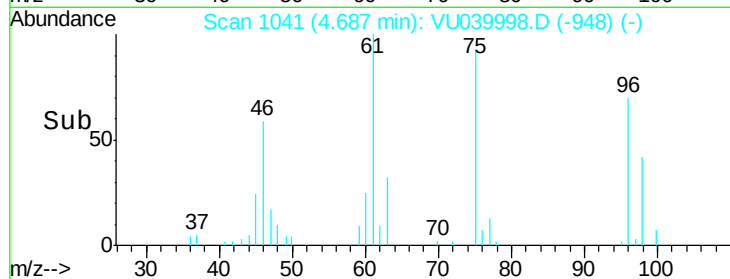
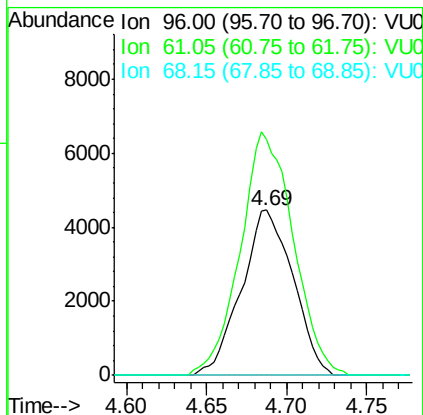
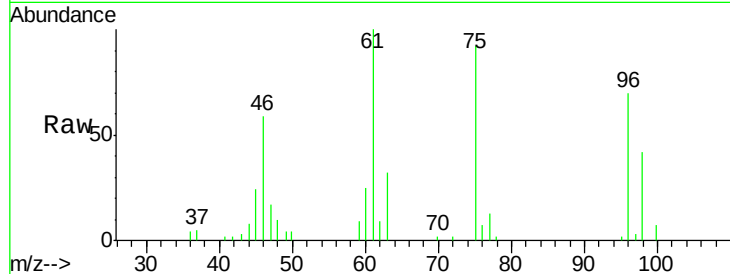
Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:	96	Resp:	9893
Ion	Ratio	Lower	Upper
96	100		
61	142.5	98.8	183.4
68	0.0	0.0	0.0



#23

Bromochloromethane

Concen: 0.849 ug/L

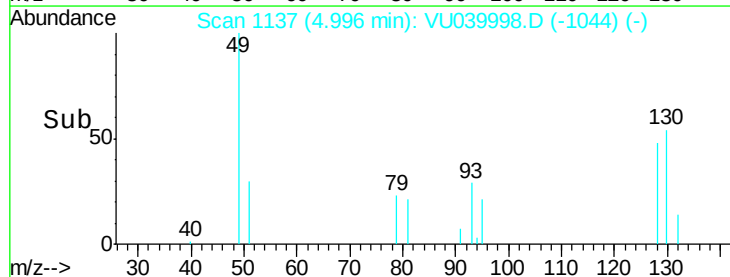
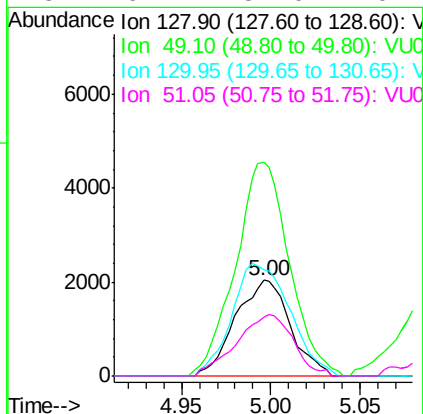
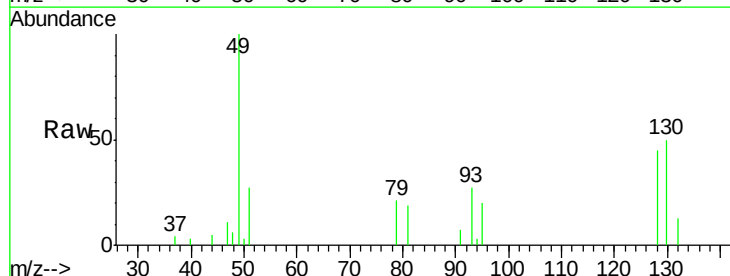
RT: 5.00 min Scan# 1137

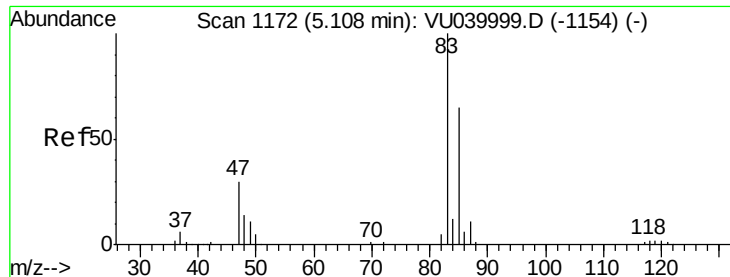
Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Tgt Ion:	128	Resp:	4359
Ion	Ratio	Lower	Upper
128	100		
49	223.4	143.4	266.4
130	111.8	89.5	166.3
51	61.1	51.0	76.4

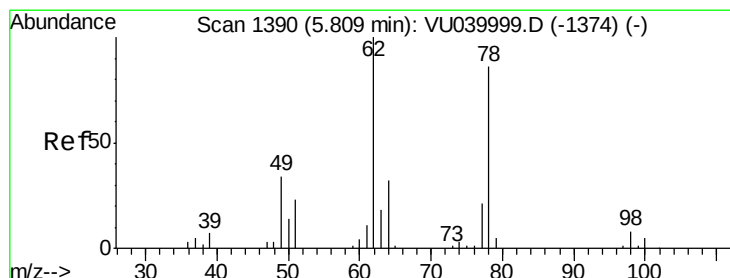
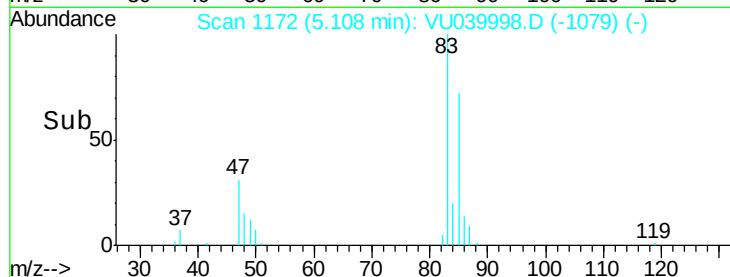
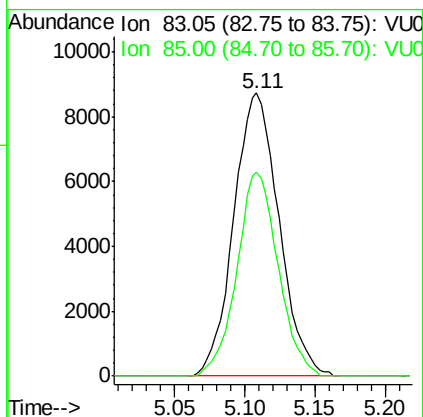
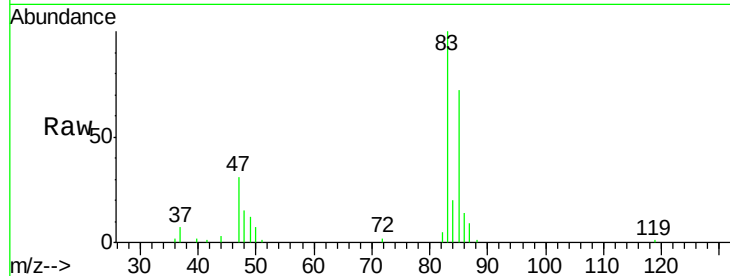




#25
Chloroform
Concen: 0.967 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

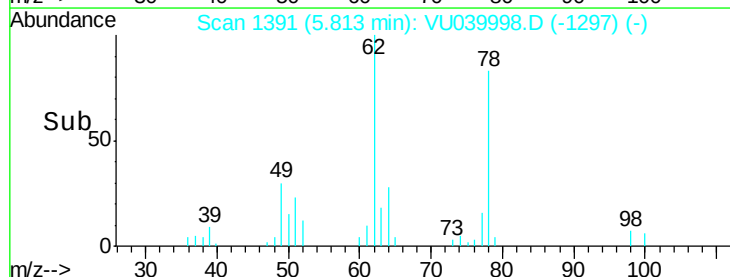
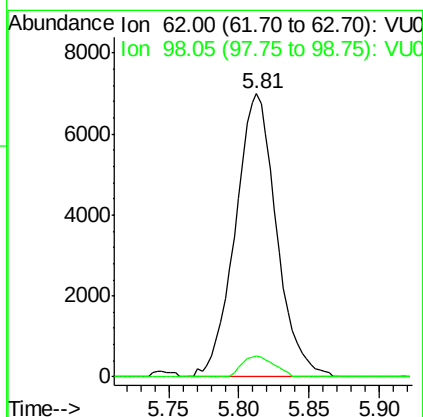
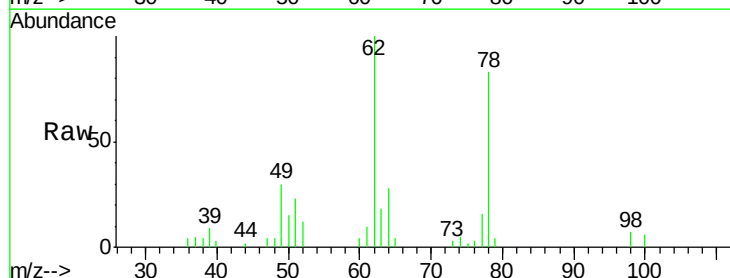
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

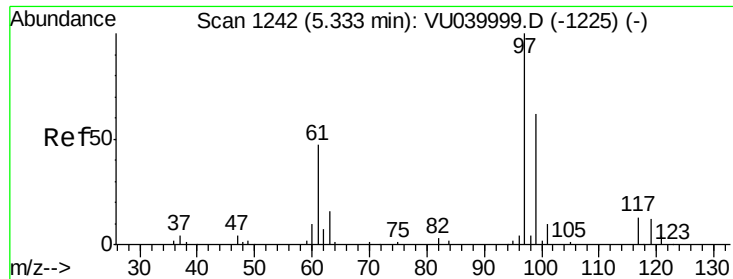
Tgt Ion: 83 Resp: 19564
Ion Ratio Lower Upper
83 100
85 72.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.999 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

Tgt Ion: 62 Resp: 14324
Ion Ratio Lower Upper
62 100
98 7.3 6.1 9.1

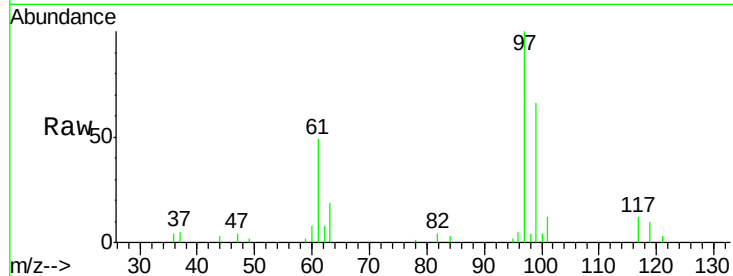




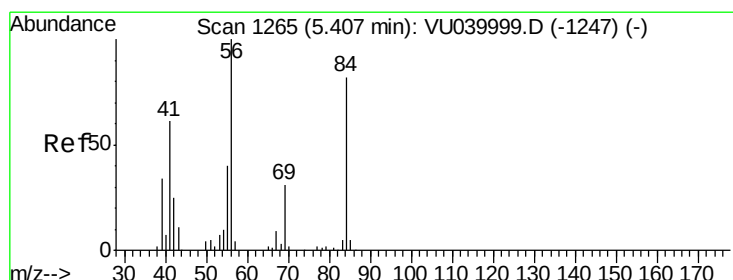
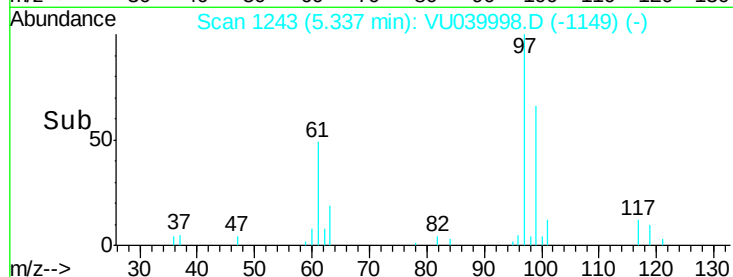
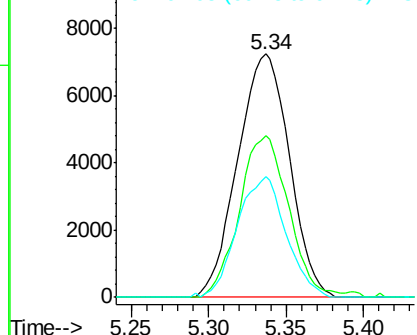
#29
 1,1,1-Trichloroethane
 Concen: 0.999 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion: 97 Resp: 16833
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.9 76.3
 61 46.8 39.5 59.3

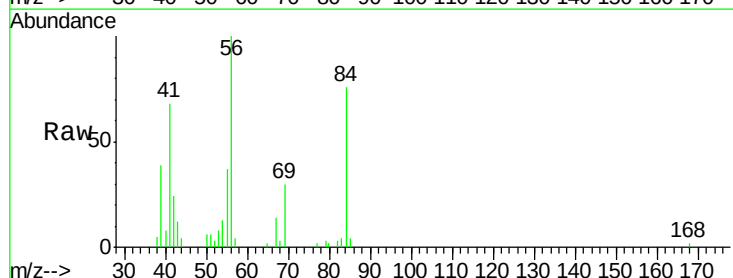


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

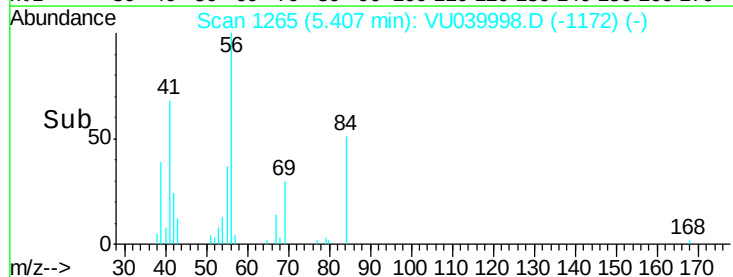
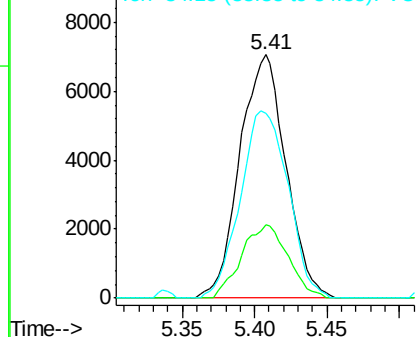


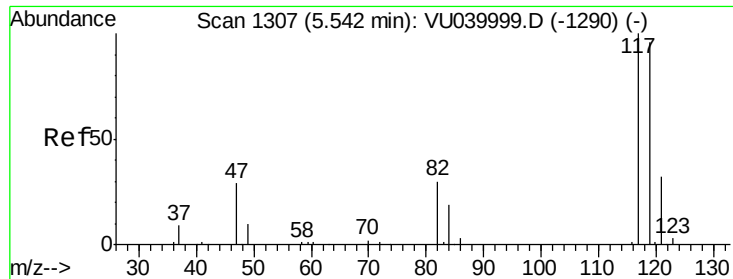
#30
 Cyclohexane
 Concen: 0.943 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Tgt Ion: 56 Resp: 15595
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.1 36.1
 84 79.9 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.990 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

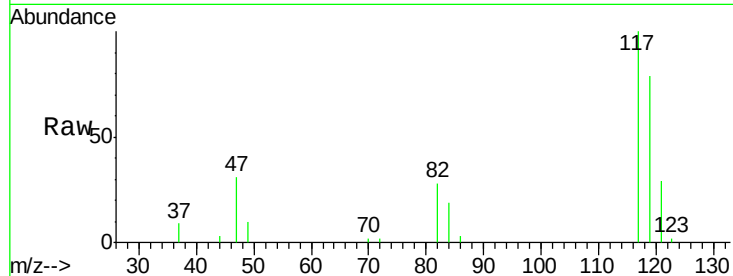
VSTD00104

Tgt Ion:117 Resp: 14624

Ion Ratio Lower Upper

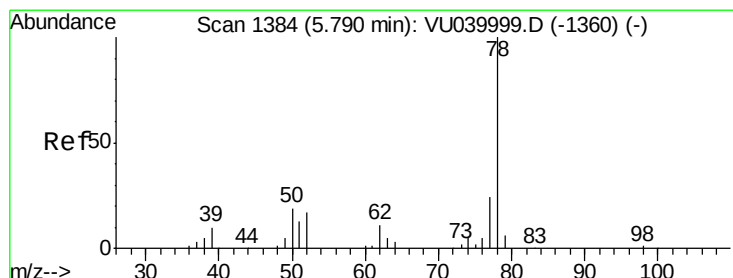
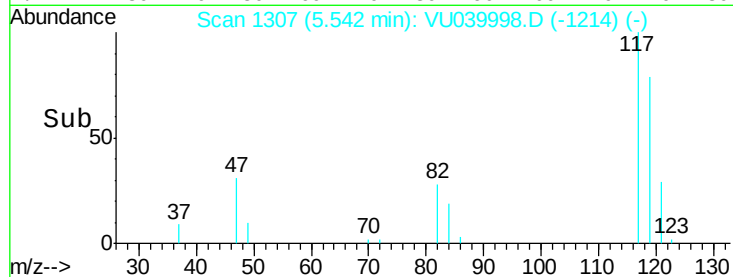
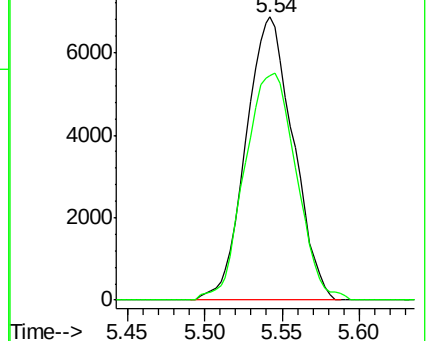
117 100

119 87.2 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.951 ug/L

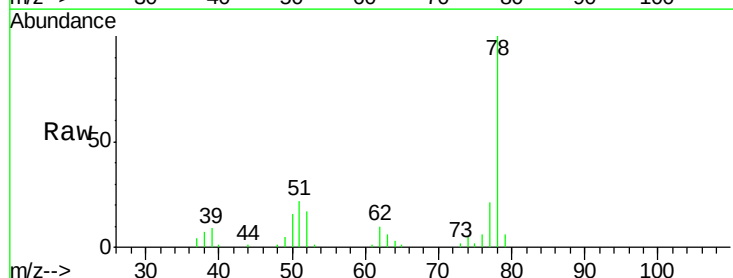
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

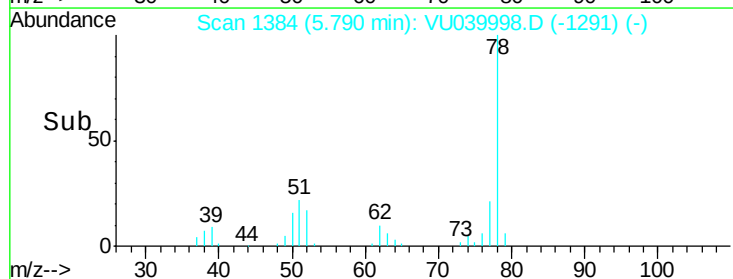
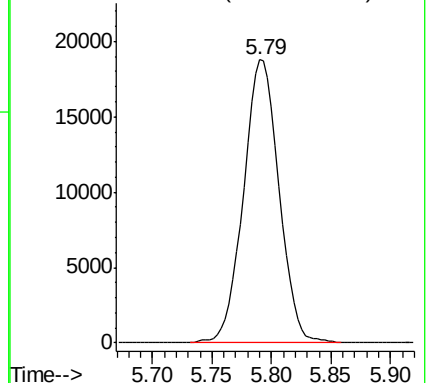
Lab File: VU039998.D

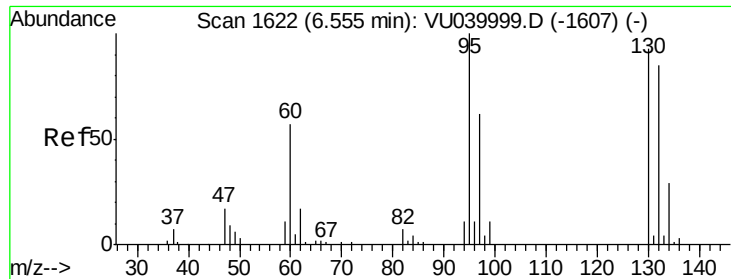
Acq: 31 Aug 2020 10:10

Tgt Ion: 78 Resp: 38882



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.014 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

Tgt Ion: 95 Resp: 10842

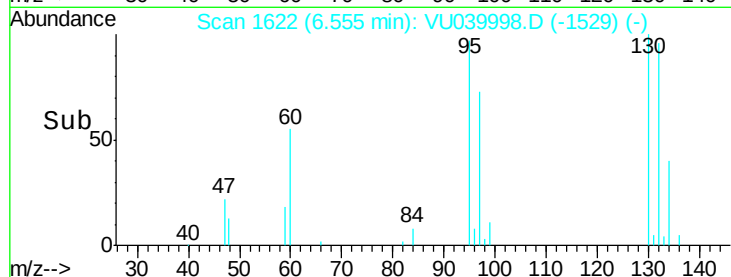
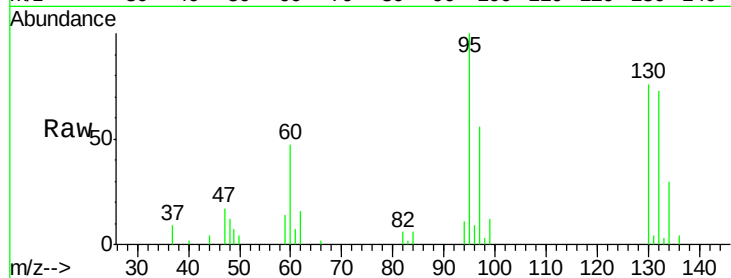
Ion Ratio Lower Upper

95 100

97 55.8 43.3 80.5

132 73.1 59.4 110.4

130 76.2 64.8 120.4

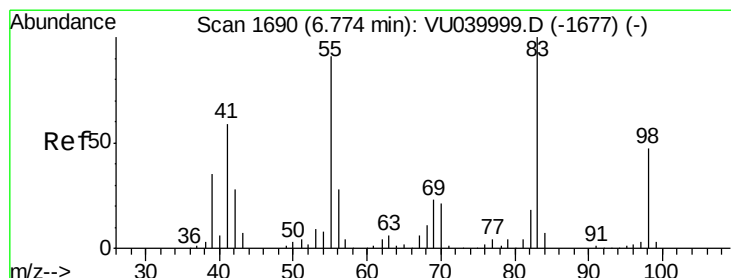
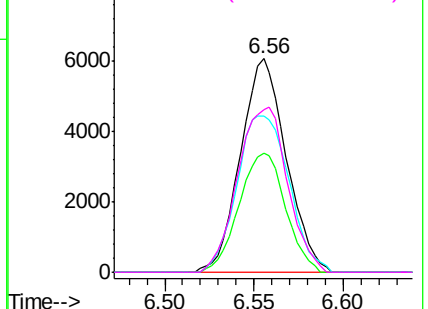


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.921 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

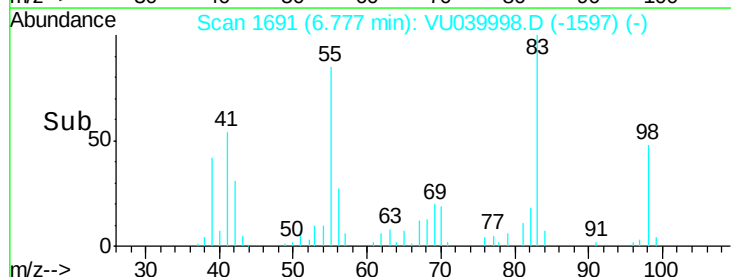
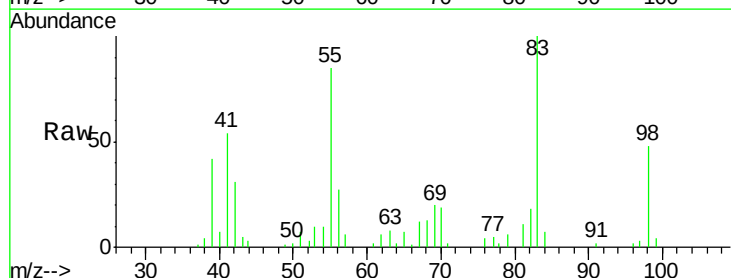
Tgt Ion: 83 Resp: 14998

Ion Ratio Lower Upper

83 100

55 88.0 70.5 105.7

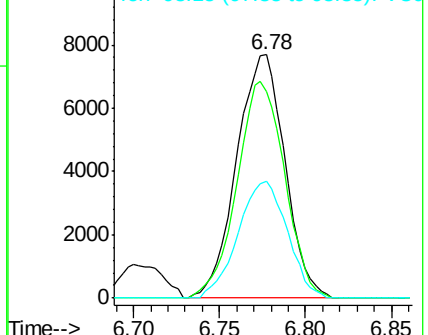
98 48.9 37.8 56.6

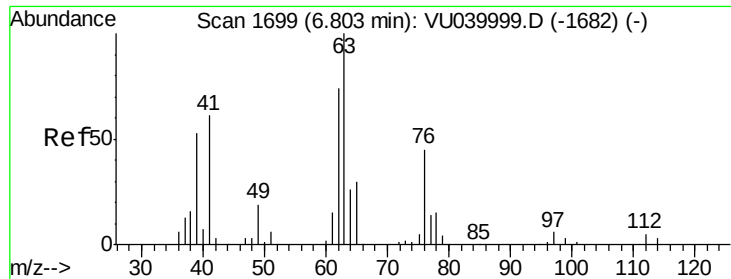


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

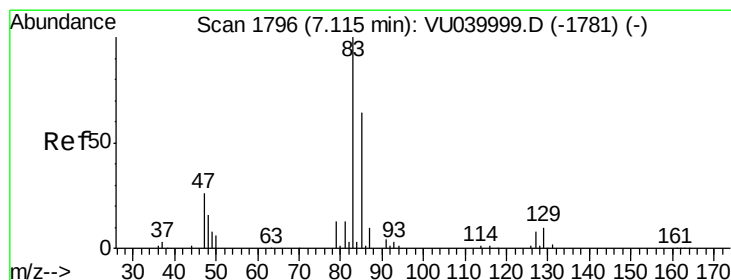
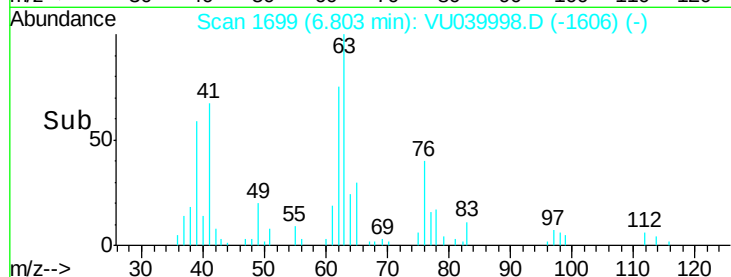
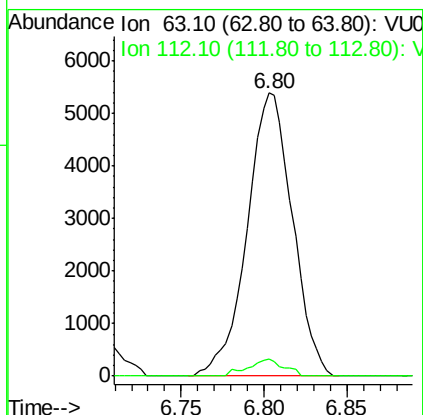
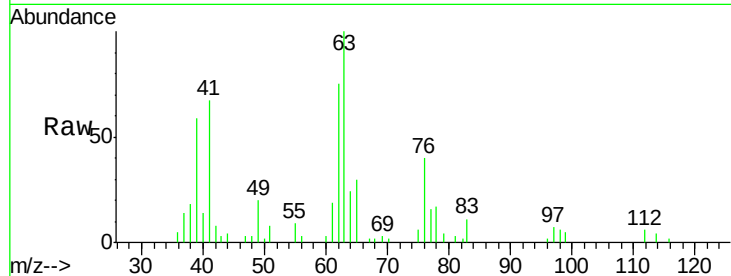




#37
 1,2-Dichloropropane
 Concen: 0.930 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

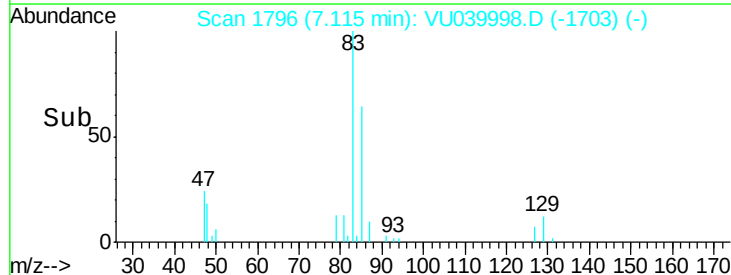
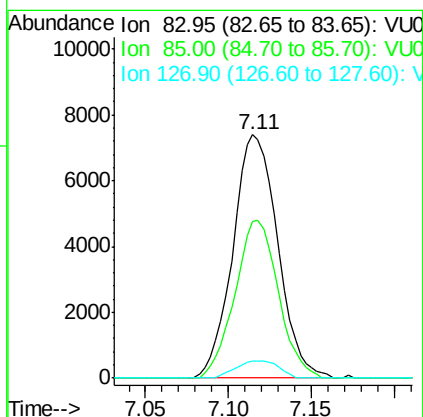
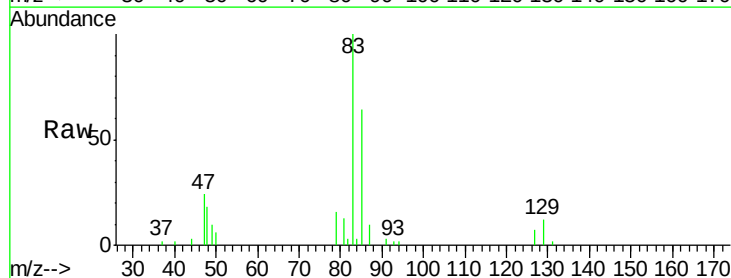
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

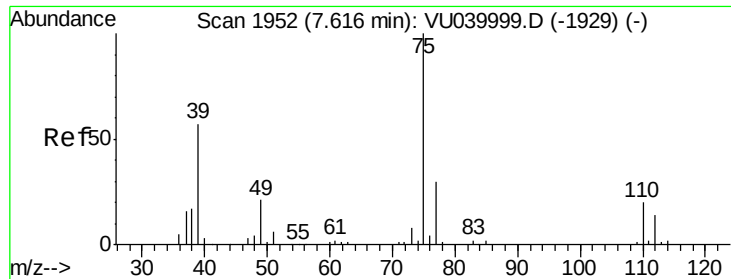
Tgt Ion: 63 Resp: 10212
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.2 4.8



#38
 Bromodichloromethane
 Concen: 0.989 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Tgt Ion: 83 Resp: 13899
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.9
 127 7.1 6.7 10.1

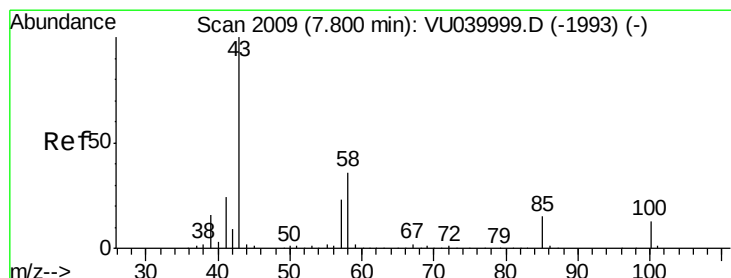
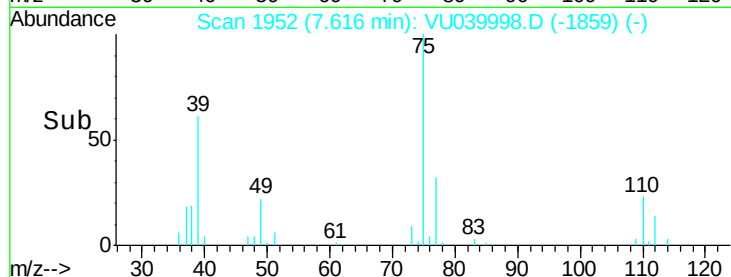
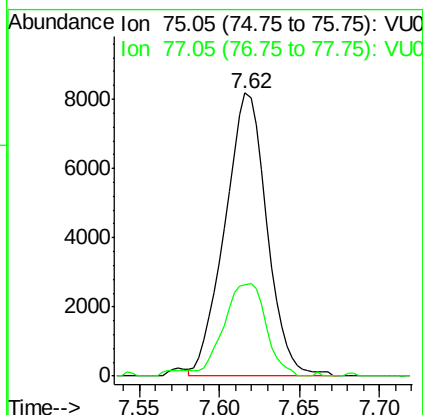
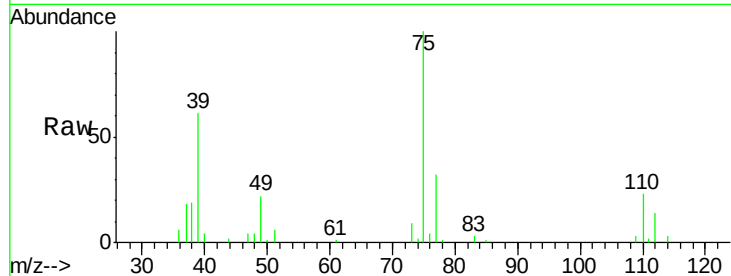




#39
 cis-1,3-Dichloropropene
 Concen: 0.947 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

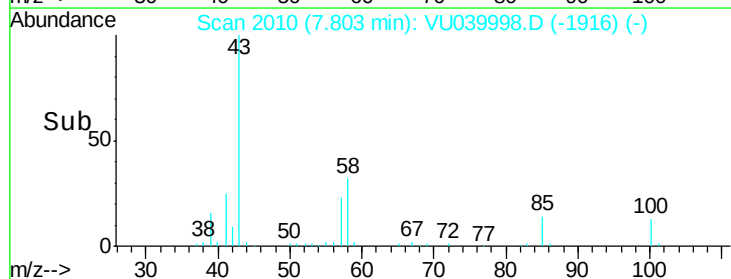
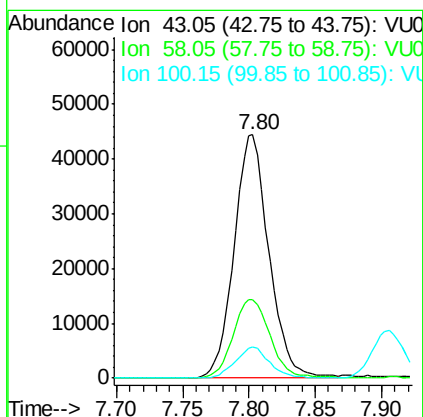
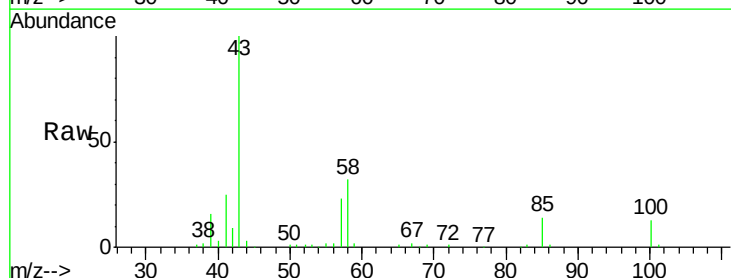
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00104

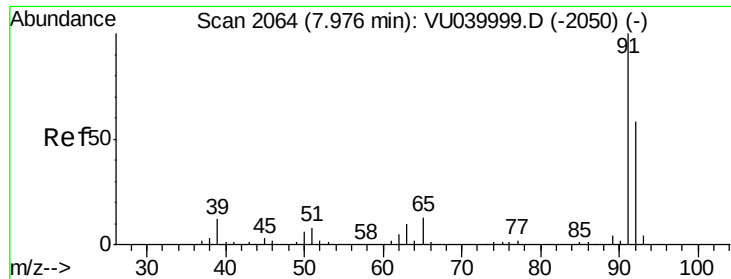
Tgt Ion: 75 Resp: 14664
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 9.211 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Tgt Ion: 43 Resp: 81137
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.7 43.1
 100 12.4 10.2 15.2





#42

Toluene

Concen: 0.905 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

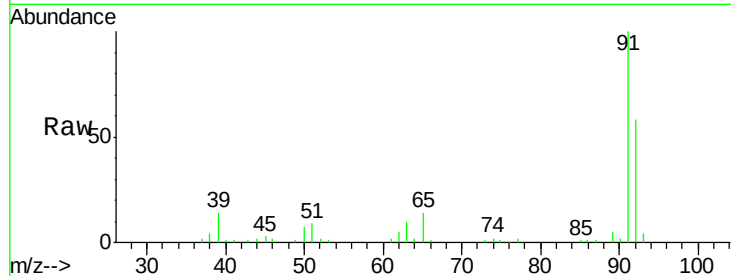
VSTD00104

Tgt Ion: 91 Resp: 37922

Ion Ratio Lower Upper

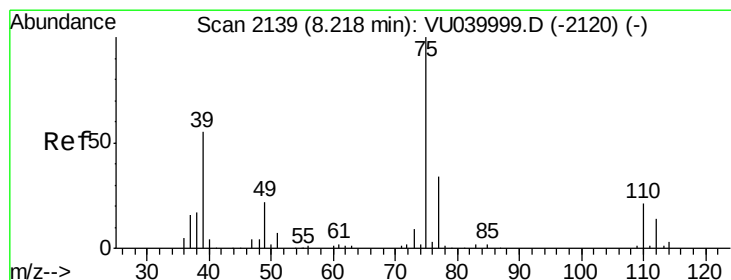
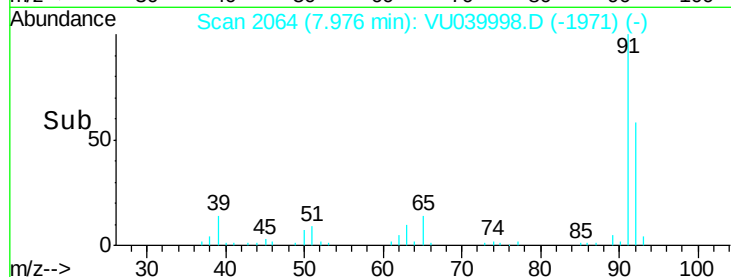
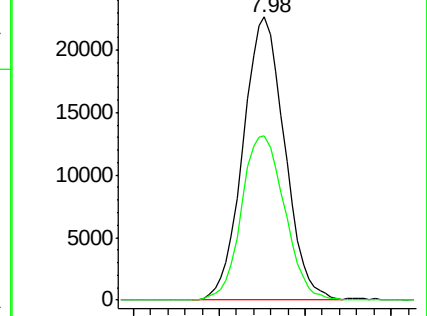
91 100

92 57.9 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.888 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039998.D

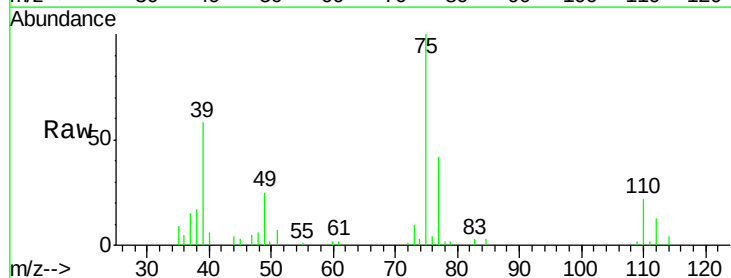
Acq: 31 Aug 2020 10:10

Tgt Ion: 75 Resp: 12988

Ion Ratio Lower Upper

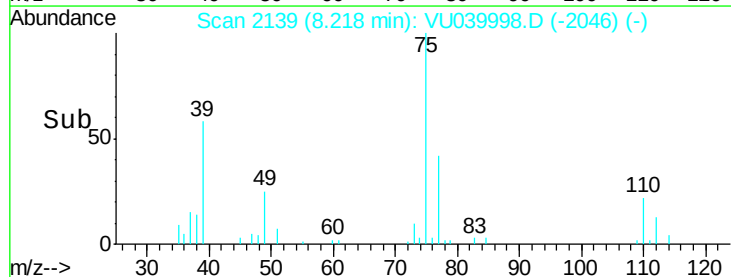
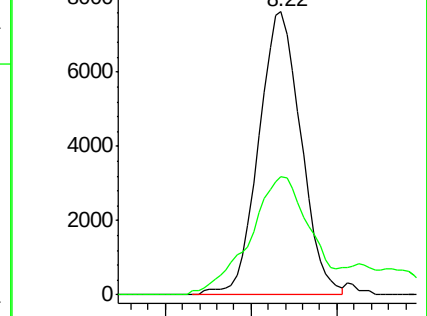
75 100

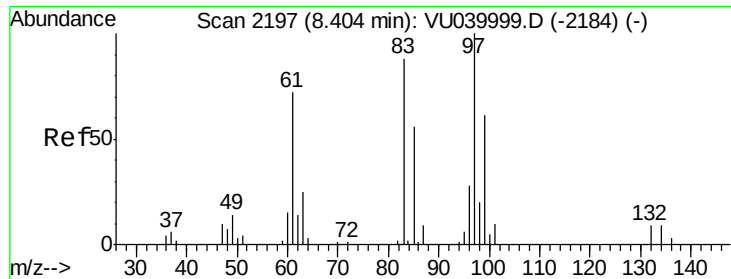
77 41.7 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

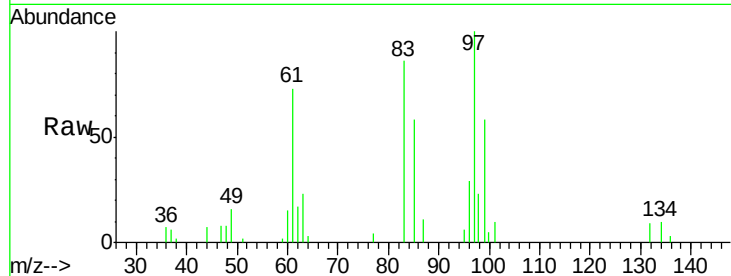




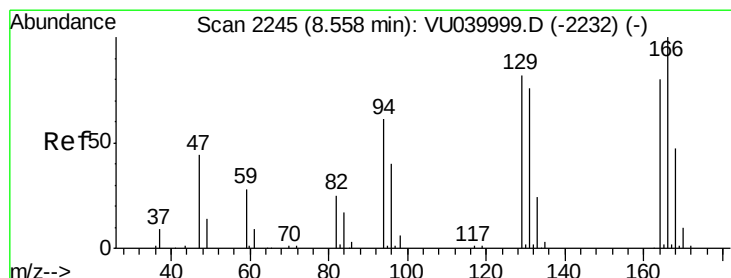
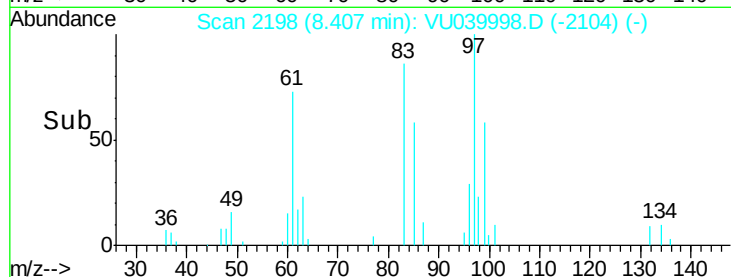
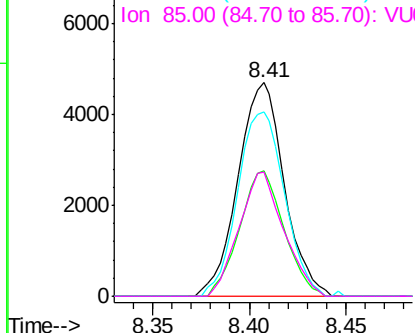
#45
 1,1,2-Trichloroethane
 Concen: 0.945 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:	97	Resp:	7829
Ion	Ratio	Lower	Upper
97	100		
99	58.5	43.0	79.8
83	86.5	61.7	114.7
85	58.4	39.3	73.1

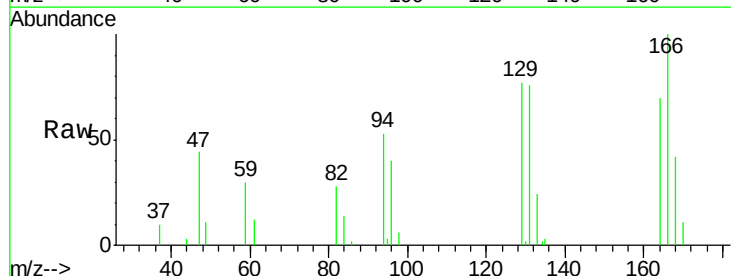


Abundance Ion 96.95 (96.65 to 97.65): VU039999.D (-2184) (-)
 Ion 99.05 (98.75 to 99.75): VU039999.D (-2184) (-)
 Ion 82.95 (82.65 to 83.65): VU039999.D (-2184) (-)
 Ion 85.00 (84.70 to 85.70): VU039999.D (-2184) (-)

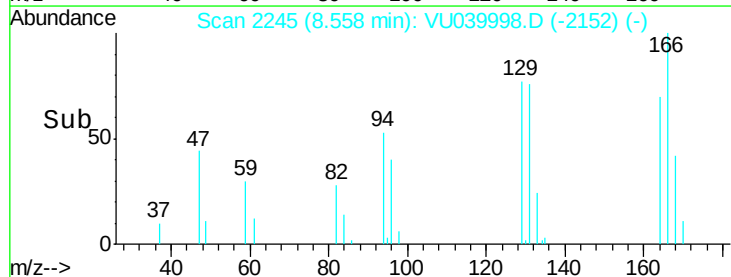
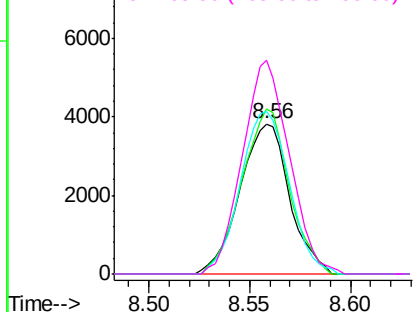


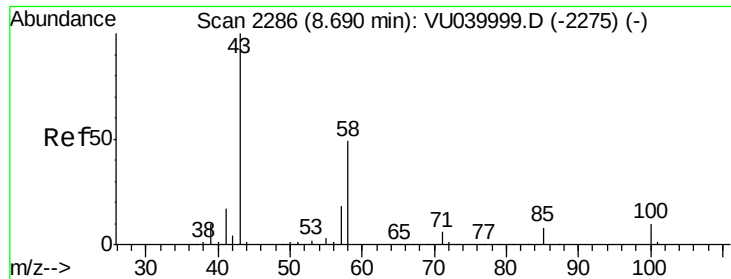
#47
 Tetrachloroethene
 Concen: 0.852 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Tgt Ion:	164	Resp:	6557
Ion	Ratio	Lower	Upper
164	100		
129	110.1	71.5	132.7
131	108.4	65.9	122.5
166	142.2	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU039999.D (-2232) (-)
 Ion 128.95 (128.65 to 129.65): VU039999.D (-2232) (-)
 Ion 130.95 (130.65 to 131.65): VU039999.D (-2232) (-)
 Ion 165.90 (165.60 to 166.60): VU039999.D (-2232) (-)

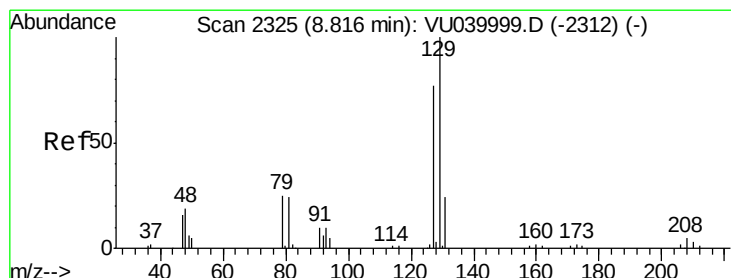
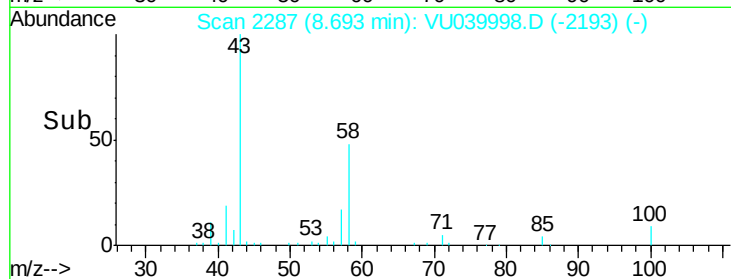
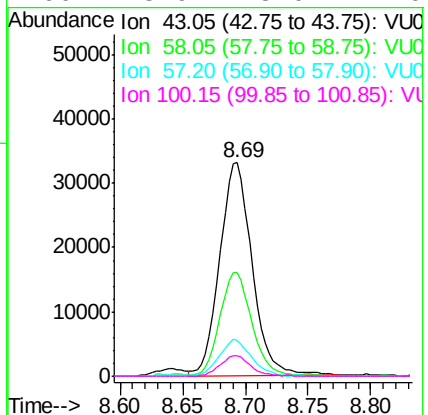
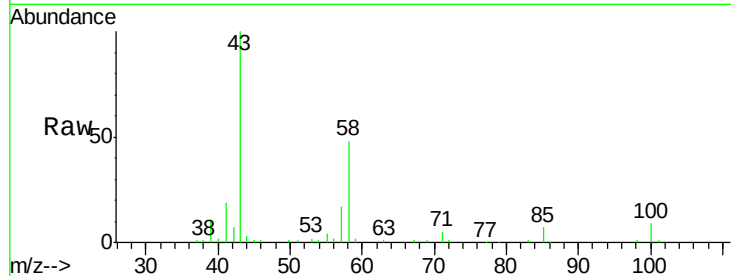




#48
2-Hexanone
Concen: 9.323 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

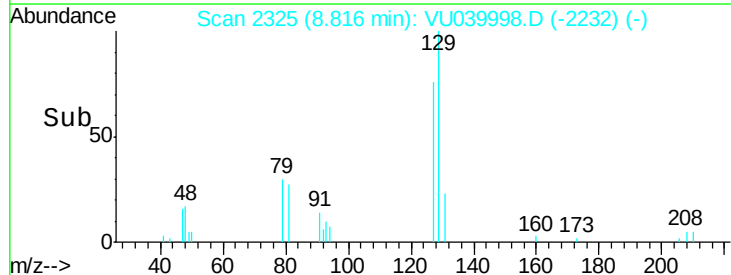
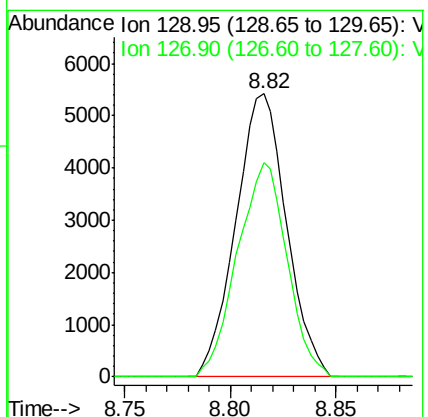
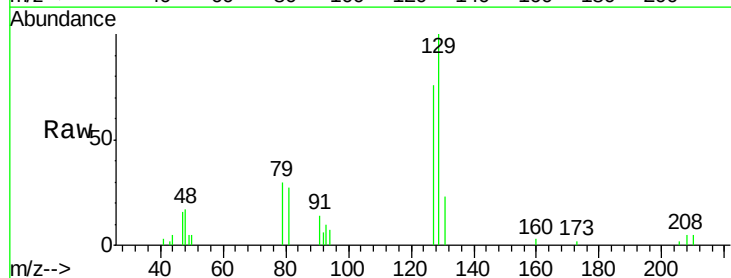
Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

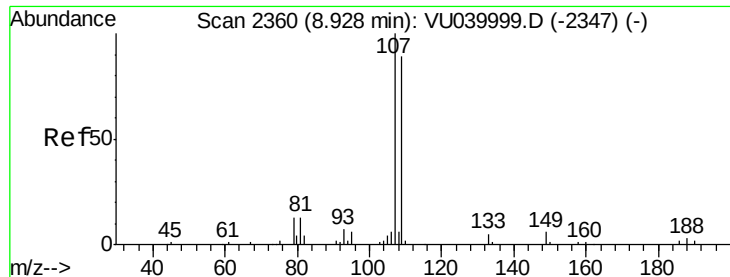
Tgt Ion:	43	Resp:	59196
Ion	Ratio	Lower	Upper
43	100		
58	46.3	39.6	59.4
57	17.1	14.3	21.5
100	8.9	8.0	12.0



#49
Dibromochloromethane
Concen: 0.920 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

Tgt Ion:	129	Resp:	9046
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.7	99.7

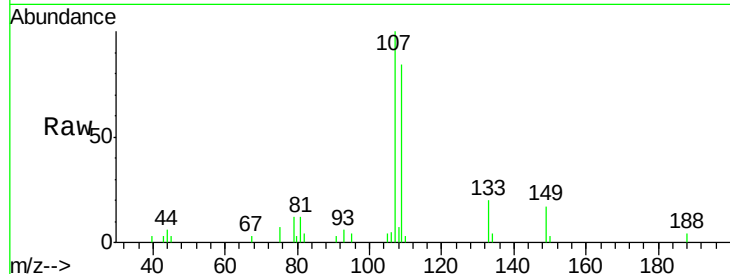




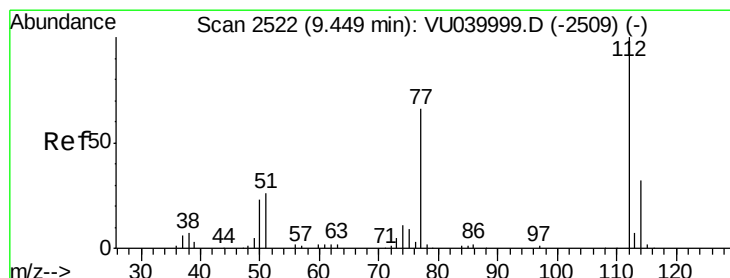
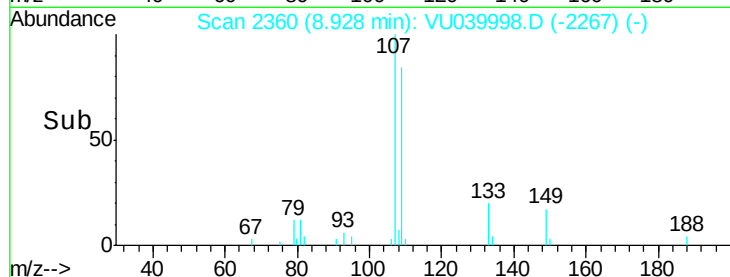
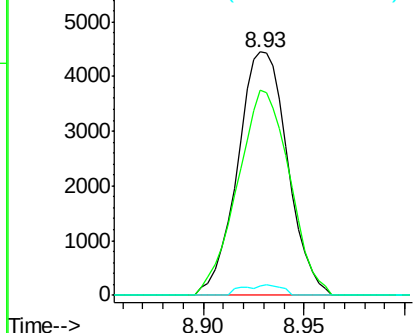
#50
1,2-Dibromoethane
Concen: 0.976 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00104

Tgt Ion:107 Resp: 7693
Ion Ratio Lower Upper
107 100
109 84.1 62.4 115.8
188 3.8 2.3 3.5#

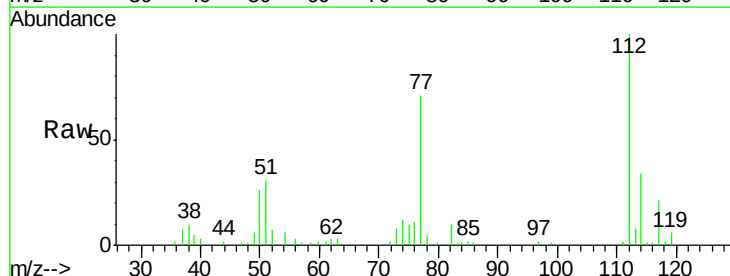


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

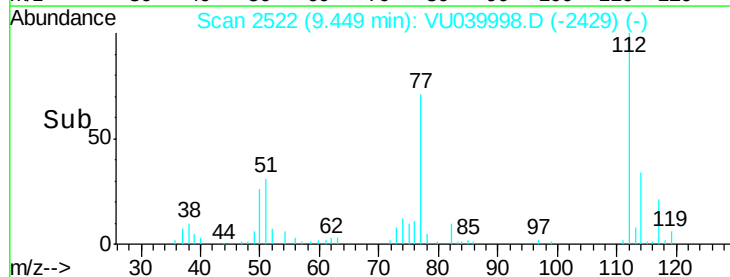
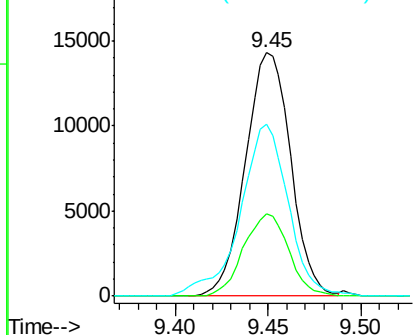


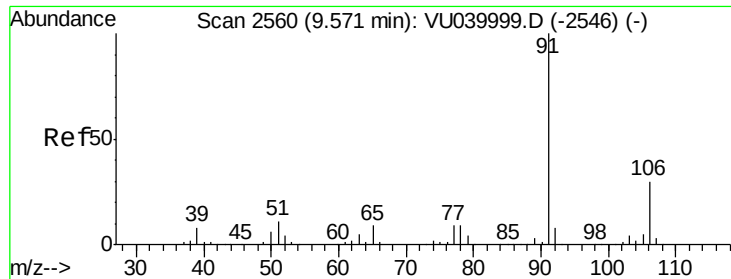
#51
Chlorobenzene
Concen: 0.898 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039998.D
Acq: 31 Aug 2020 10:10

Tgt Ion:112 Resp: 24290
Ion Ratio Lower Upper
112 100
114 33.8 22.7 42.3
77 70.8 53.2 79.8



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: 0.933 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

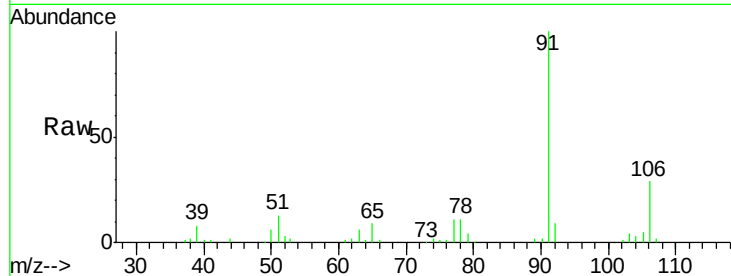
VSTD00104

Tgt Ion: 91 Resp: 42912

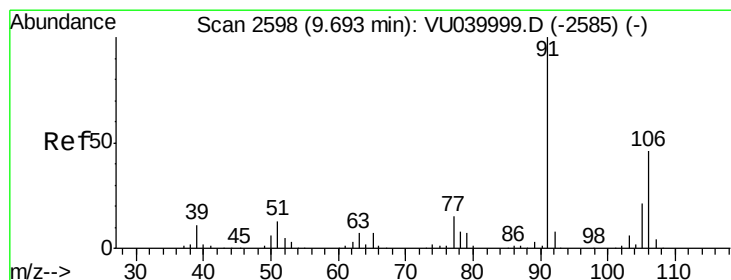
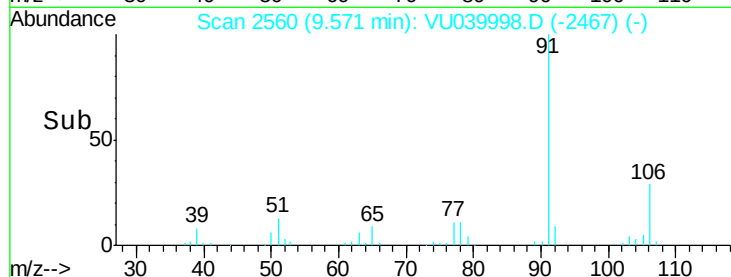
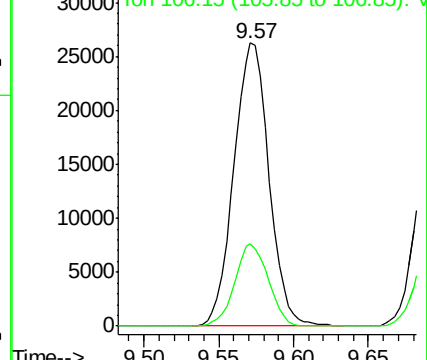
Ion Ratio Lower Upper

91 100

106 29.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU039999.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.902 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039998.D

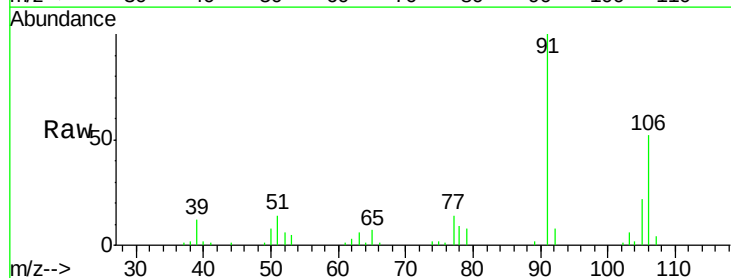
Acq: 31 Aug 2020 10:10

Tgt Ion: 106 Resp: 15649

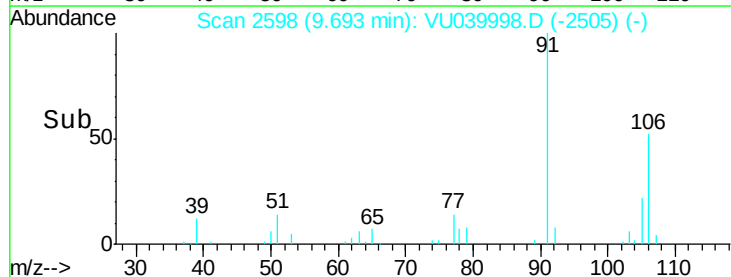
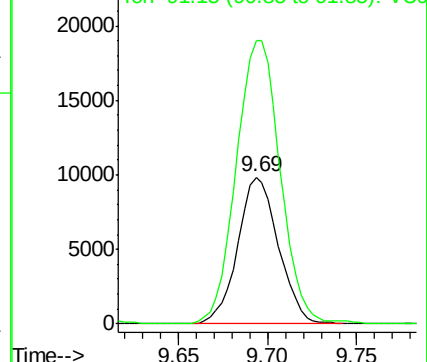
Ion Ratio Lower Upper

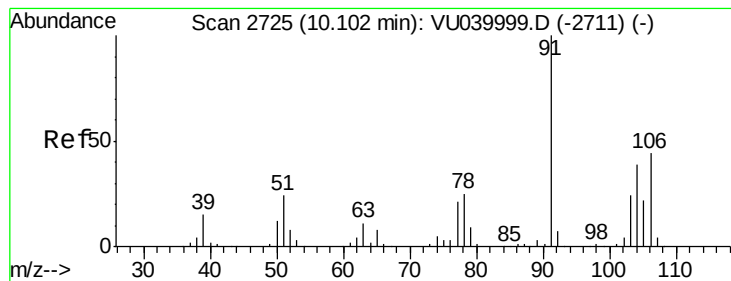
106 100

91 193.2 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU039999.D (-2585) (-)





#54

o-Xylene

Concen: 0.838 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

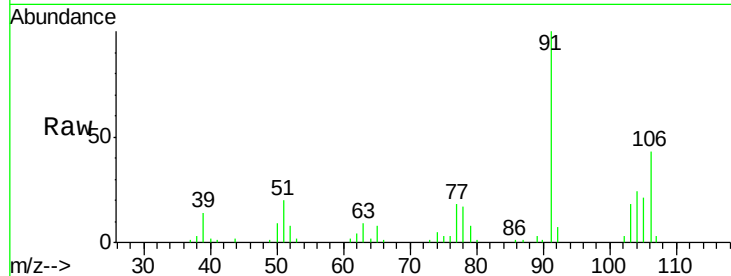
VSTD00104

Tgt Ion:106 Resp: 13794

Ion Ratio Lower Upper

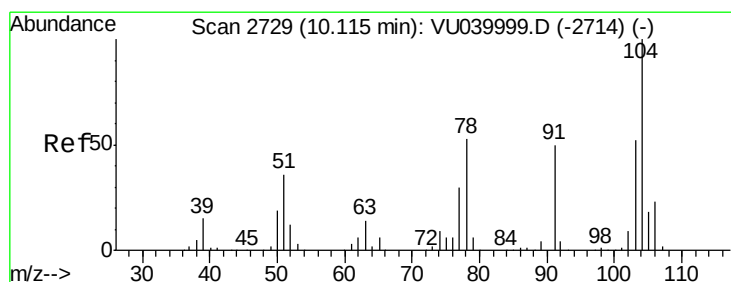
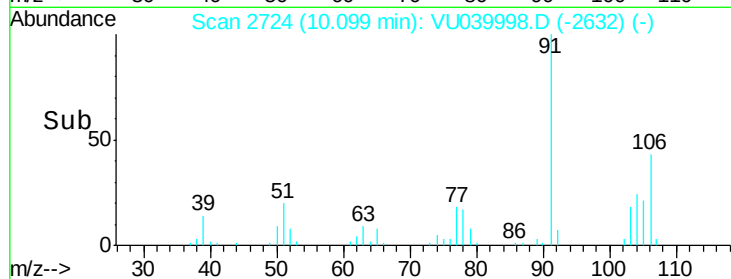
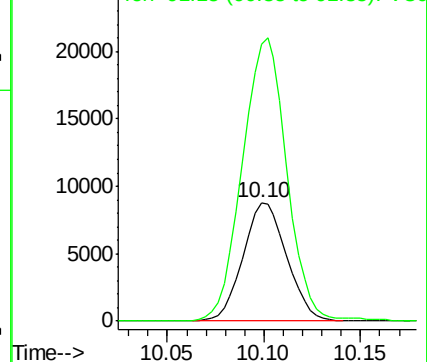
106 100

91 233.7 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.818 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039998.D

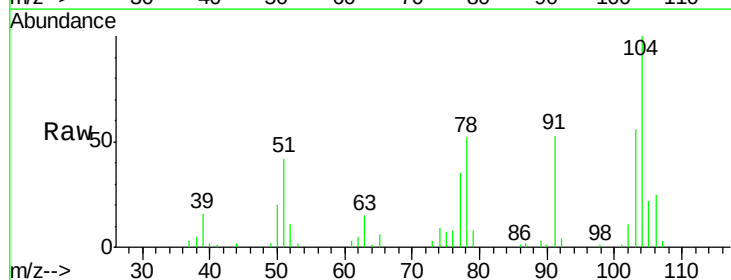
Acq: 31 Aug 2020 10:10

Tgt Ion:104 Resp: 23314

Ion Ratio Lower Upper

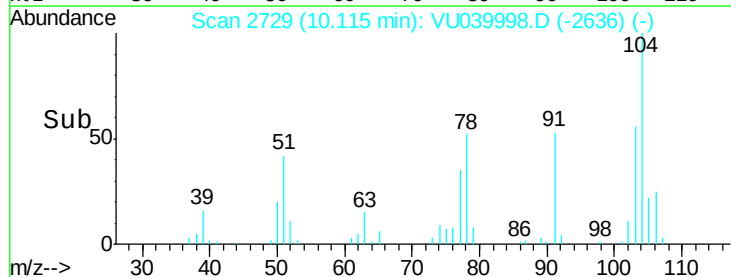
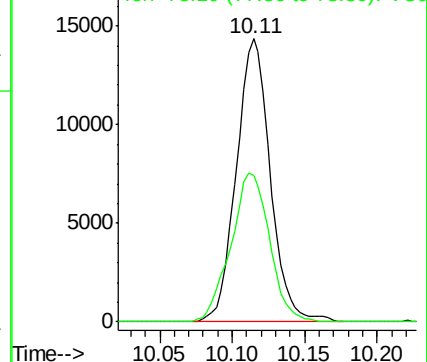
104 100

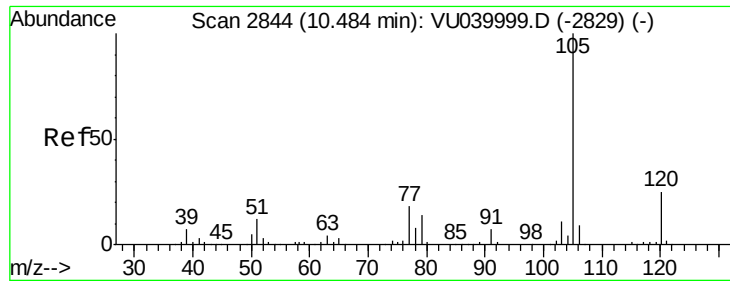
78 51.8 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.841 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

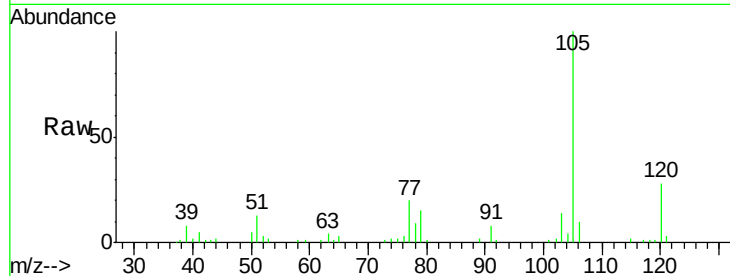
Tgt Ion: 105 Resp: 37262

Ion Ratio Lower Upper

105 100

120 27.3 20.1 30.1

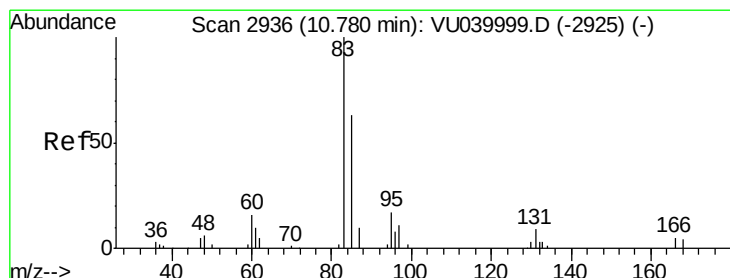
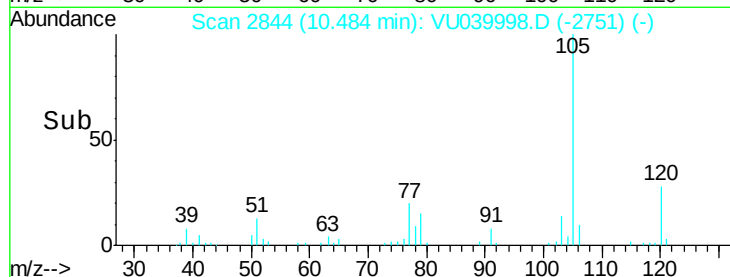
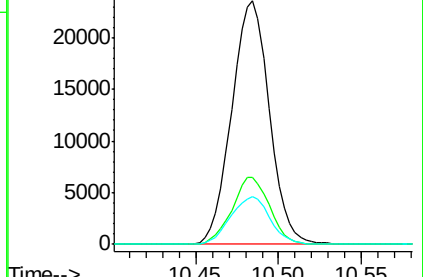
77 20.4 14.4 21.6



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: 0.902 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

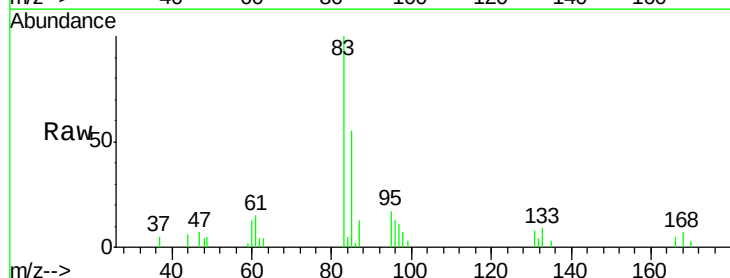
Tgt Ion: 83 Resp: 9550

Ion Ratio Lower Upper

83 100

85 55.0 44.9 83.3

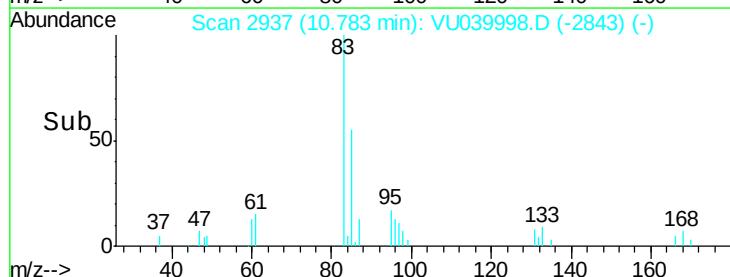
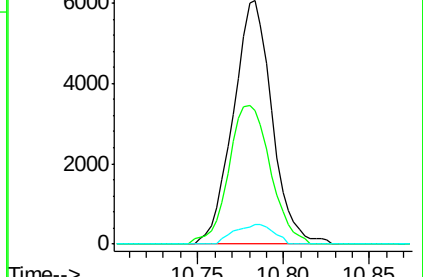
131 8.2 7.4 11.0

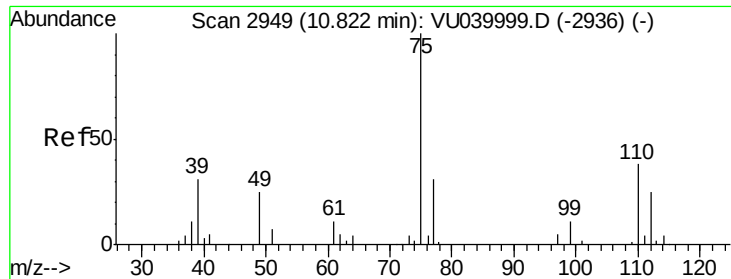


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

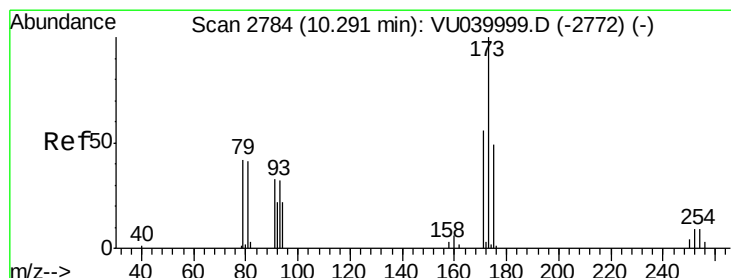
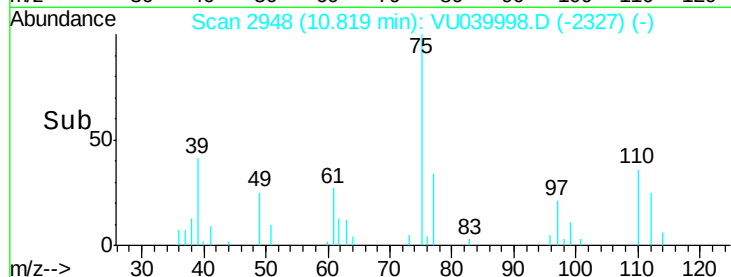
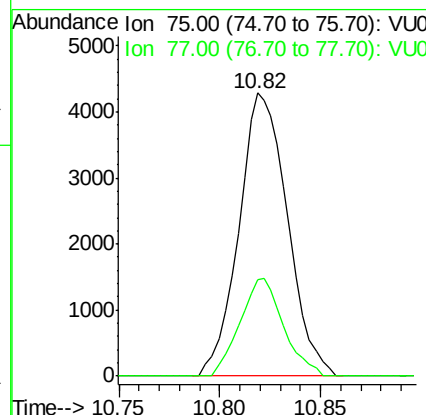
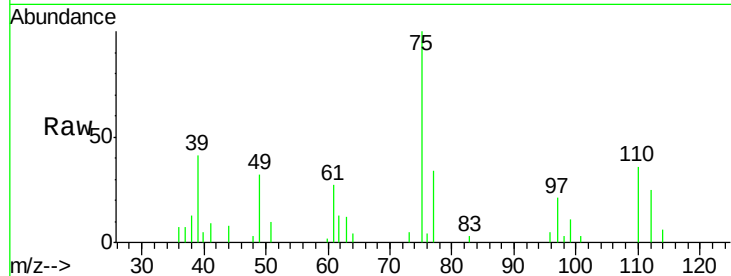




#59
 1,2,3-Trichloropropane
 Concen: 0.906 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

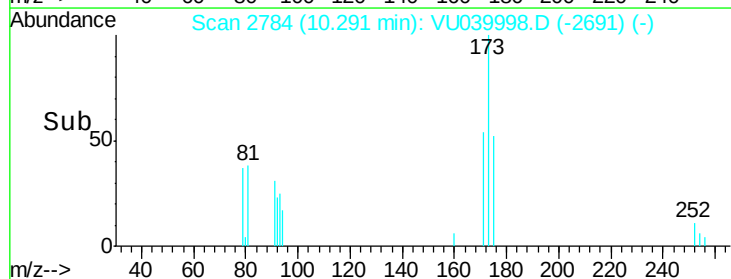
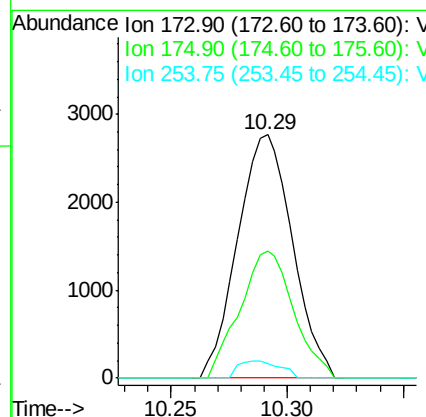
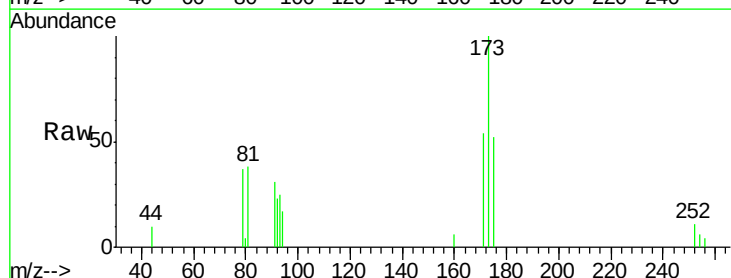
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

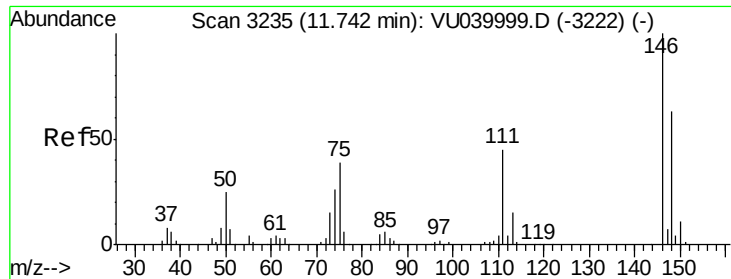
Tgt Ion: 75 Resp: 7196
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.9 37.3



#61
 Bromoform
 Concen: 0.967 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Tgt Ion: 173 Resp: 4540
 Ion Ratio Lower Upper
 173 100
 175 51.2 37.8 56.6
 254 5.3 6.8 10.2#





#62

1,3-Dichlorobenzene

Concen: 0.919 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

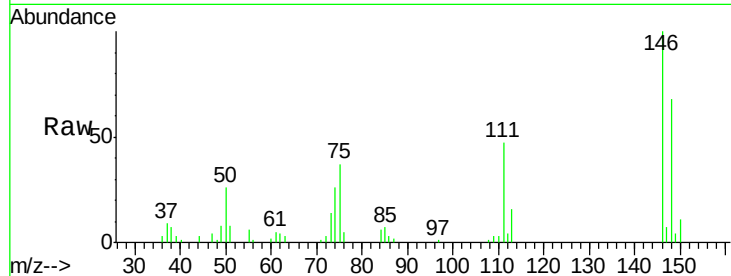
Tgt Ion:146 Resp: 17923

Ion Ratio Lower Upper

146 100

111 47.0 31.6 58.8

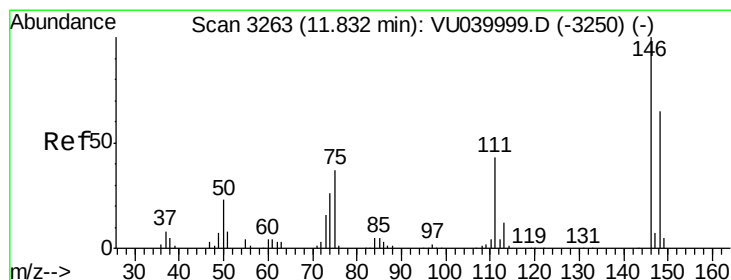
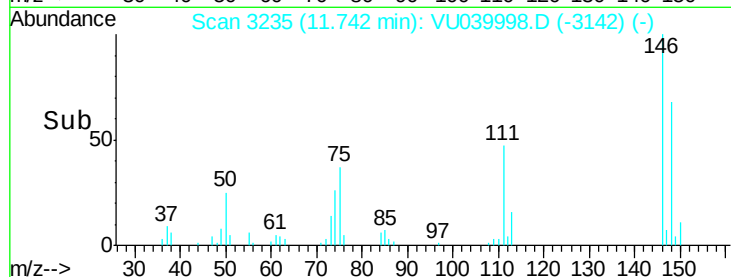
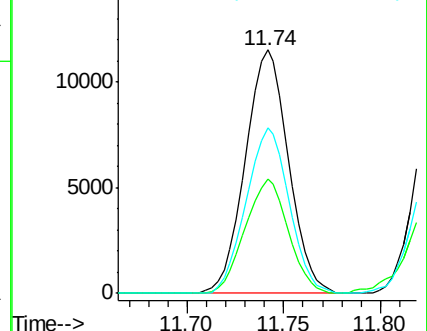
148 67.8 44.2 82.0



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: 0.920 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

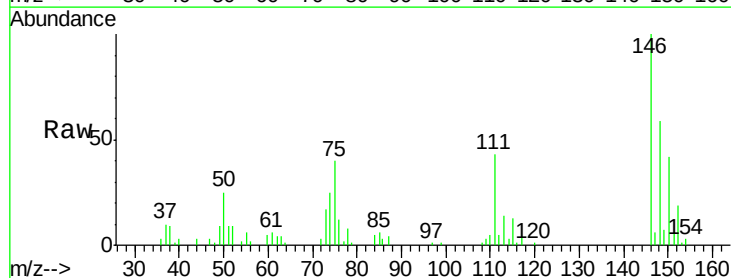
Tgt Ion:146 Resp: 18307

Ion Ratio Lower Upper

146 100

111 42.6 30.5 56.7

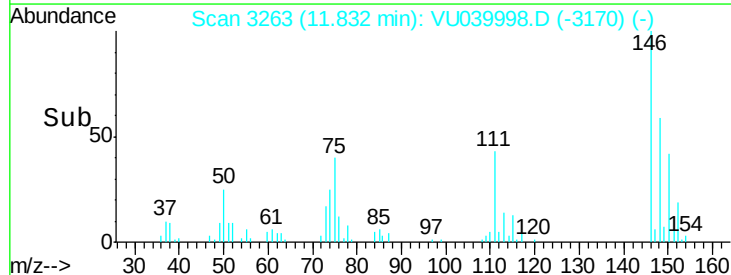
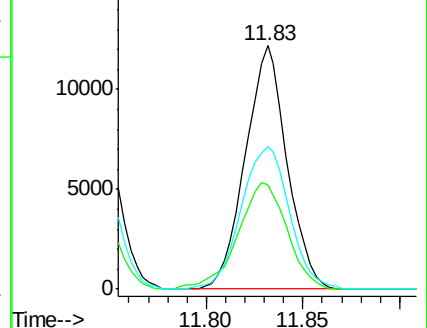
148 58.6 45.4 84.4

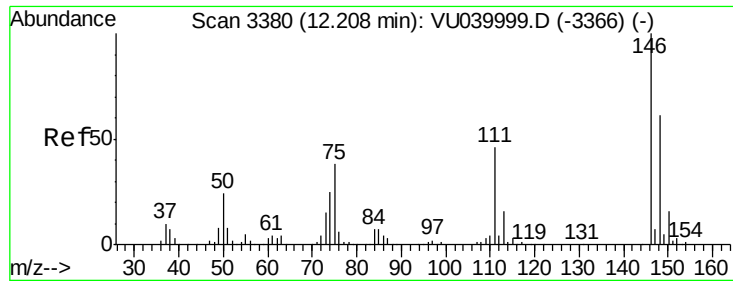


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.927 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

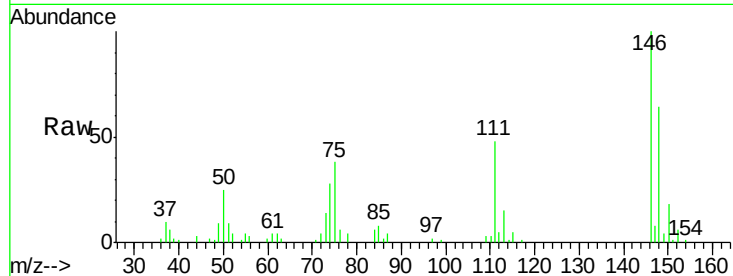
Tgt Ion:146 Resp: 17536

Ion Ratio Lower Upper

146 100

111 48.4 36.5 54.7

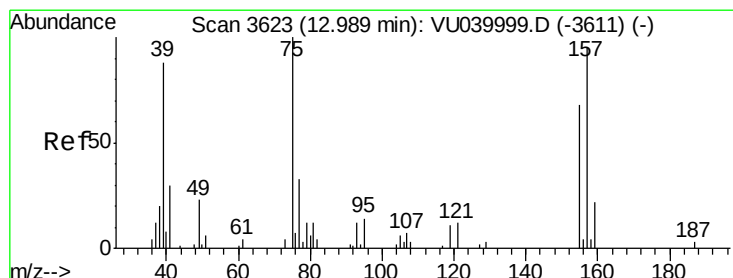
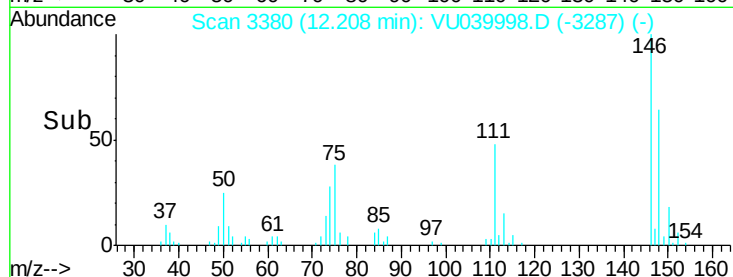
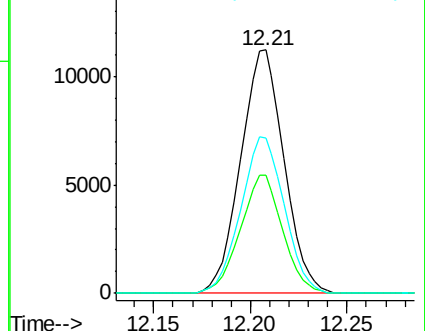
148 63.9 48.6 72.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.205 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

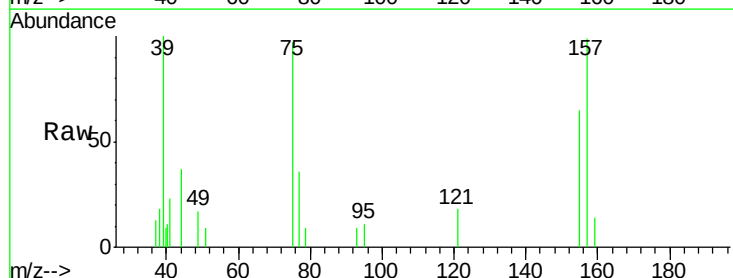
Tgt Ion: 75 Resp: 1981

Ion Ratio Lower Upper

75 100

155 67.5 54.6 82.0

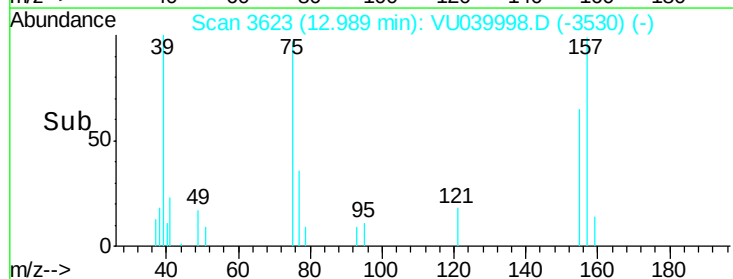
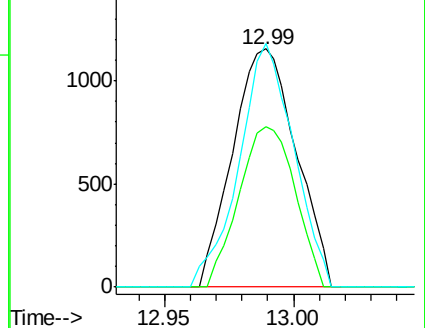
157 102.2 75.6 113.4

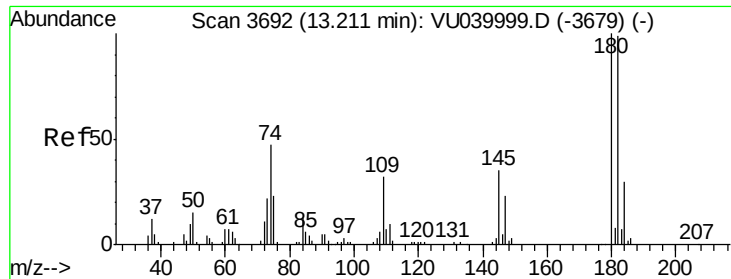


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

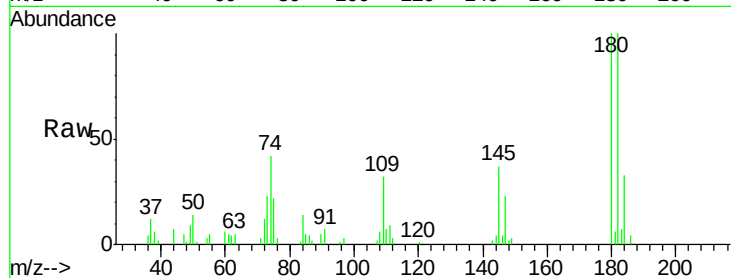




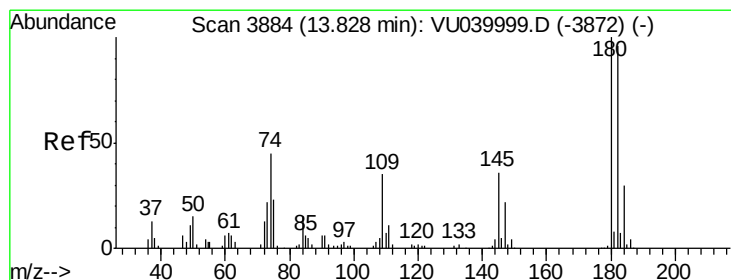
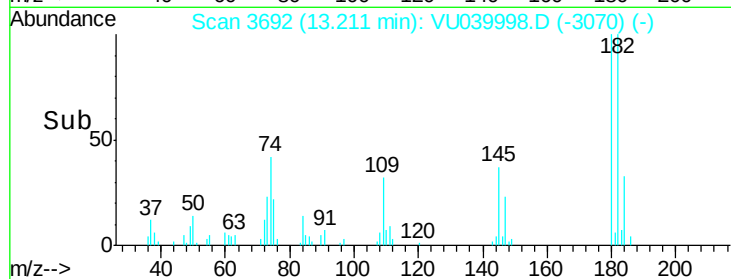
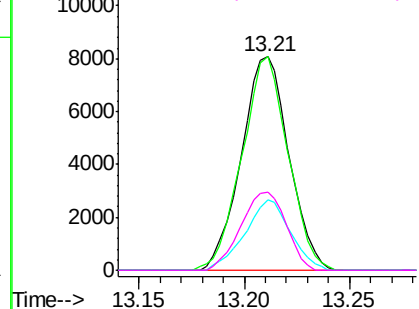
#67
 1,3,5-Trichlorobenzene
 Concen: 0.875 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00104

Tgt Ion:180 Resp: 12636
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.9 115.3
 184 31.7 24.6 36.8
 145 34.9 27.0 40.6

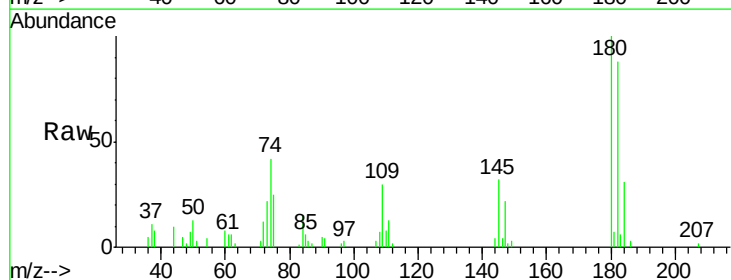


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

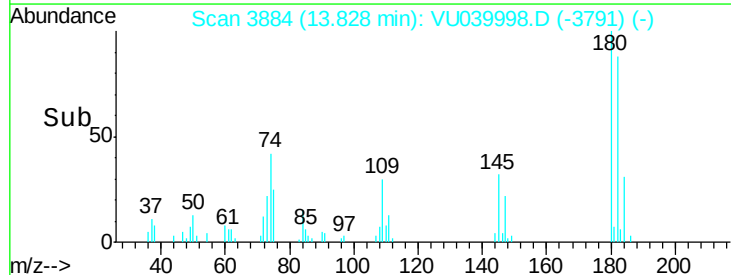
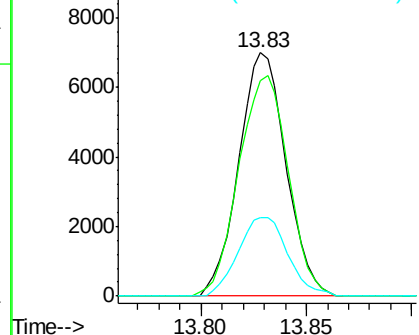


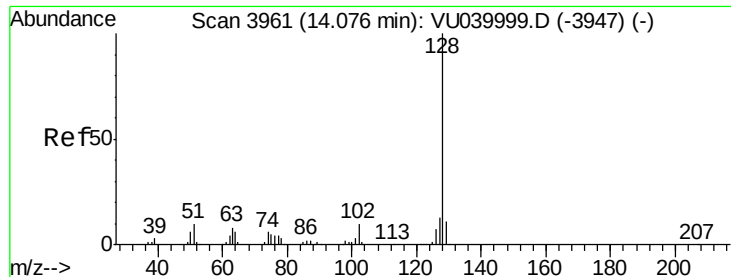
#68
 1,2,4-trichlorobenzene
 Concen: 0.878 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039998.D
 Acq: 31 Aug 2020 10:10

Tgt Ion:180 Resp: 10868
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.0 114.0
 145 33.9 28.4 42.6



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: 0.808 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00104

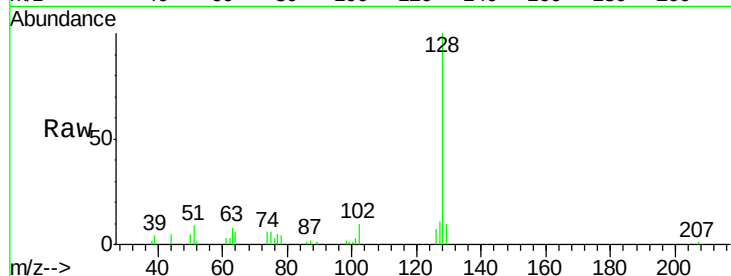
Tgt Ion:128 Resp: 19049

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

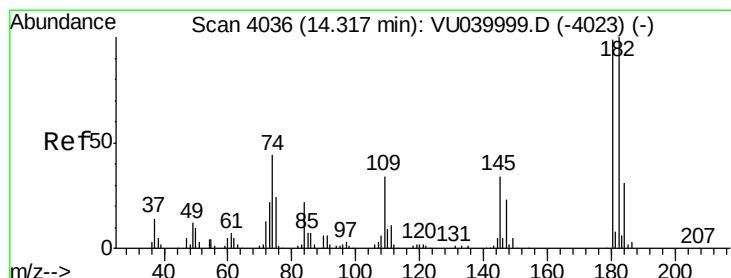
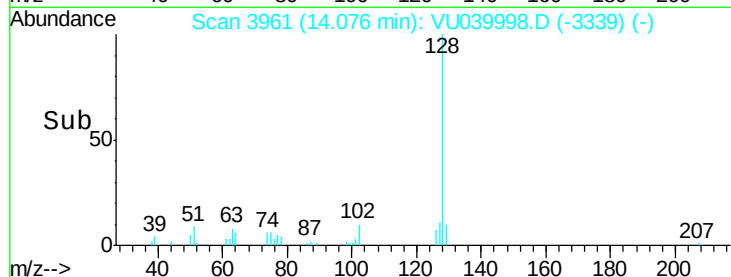
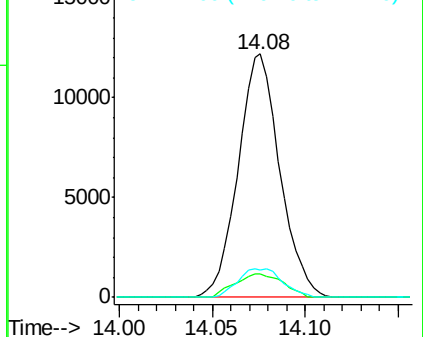
127 12.7 10.7 16.1



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: 0.822 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039998.D

Acq: 31 Aug 2020 10:10

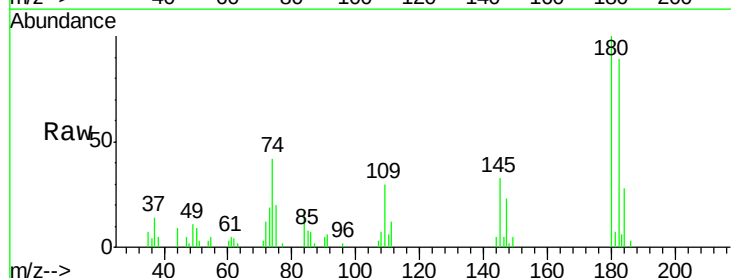
Tgt Ion:180 Resp: 9479

Ion Ratio Lower Upper

180 100

182 94.4 77.8 116.6

145 34.2 28.7 43.1



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

