

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
 Data File : VU039587.D
 Acq On : 21 Jul 2020 09:45
 Operator : SY/MD
 Sample : VSTD00101
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Quant Time: Jul 21 11:01:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 21 10:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	111657	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103584	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	5263	0.88	ug/L	0.00
7) Chloroethane-d5	1.93	69	5571	0.88	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	11505	0.94	ug/L	0.00
20) 2-Butanone-d5	4.66	46	22941	8.32	ug/L	0.00
24) Chloroform-d	5.08	84	12675	0.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	8798	1.04	ug/L	0.00
32) Benzene-d6	5.75	84	25508	1.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	8515	1.01	ug/L	0.00
41) Toluene-d8	7.91	98	23189	1.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	3566	0.96	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	16375	7.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	7369	0.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	8700	1.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5487	0.845 ug/L	93
3) Chloromethane	1.53	50	6056	0.781 ug/L	97
5) Vinyl chloride	1.61	62	6365	0.743 ug/L	89
6) Bromomethane	1.87	94	3861	0.963 ug/L	100
8) Chloroethane	1.94	64	5050	0.793 ug/L	97
9) Trichlorofluoromethane	2.15	101	12144	0.783 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5848	0.922 ug/L	96
12) 1,1-Dichloroethene	2.59	96	5374	0.845 ug/L	90
13) Acetone	2.66	43	12341	7.934 ug/L	85
14) Carbon disulfide	2.81	76	15739	0.715 ug/L	99
15) Methyl Acetate	2.97	43	3300	0.811 ug/L	95
16) Methylene chloride	3.06	84	8141	1.002 ug/L	98
17) Methyl tert-butyl Ether	3.39	73	15676	0.770 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	5634	0.794 ug/L	96
19) 1,1-Dichloroethane	3.90	63	11961	0.843 ug/L	94
21) 2-Butanone	4.74	43	22339	8.098 ug/L #	74
22) cis-1,2-Dichloroethene	4.69	96	6370	0.790 ug/L	97
23) Bromochloromethane	5.00	128	3172	0.867 ug/L	90
25) Chloroform	5.11	83	13633	0.943 ug/L	99
27) 1,2-Dichloroethane	5.81	62	9083	0.874 ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	10679	0.888 ug/L	96
30) Cyclohexane	5.41	56	9352	0.768 ug/L	96
31) Carbon tetrachloride	5.55	117	9129	0.893 ug/L	100
33) Benzene	5.79	78	24528	0.818 ug/L	100
34) Trichloroethene	6.56	95	6495	0.835 ug/L	91
35) Methylcyclohexane	6.78	83	9683	0.790 ug/L	97
37) 1,2-Dichloropropane	6.81	63	7004	0.856 ug/L #	96
38) Bromodichloromethane	7.12	83	8923	0.849 ug/L #	96
39) cis-1,3-Dichloropropene	7.62	75	9580	0.777 ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	53505	7.894 ug/L	98

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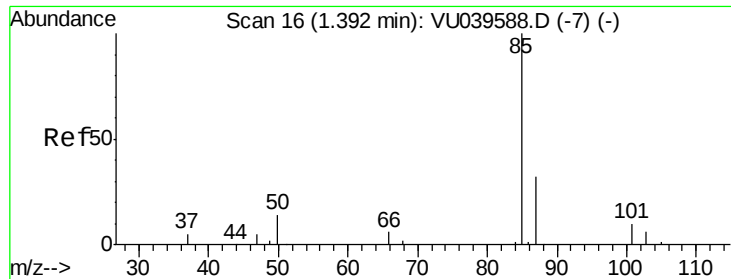
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Quant Time: Jul 21 11:01:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.98	91	25682	0.796	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	8550	0.782	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	5188	0.880	ug/L	94
47) Tetrachloroethene	8.56	164	4319	0.792	ug/L	90
48) 2-Hexanone	8.69	43	39079	7.840	ug/L	95
49) Dibromochloromethane	8.82	129	5991	0.832	ug/L	99
50) 1,2-Dibromoethane	8.93	107	5009	0.838	ug/L #	98
51) Chlorobenzene	9.45	112	16823	0.847	ug/L	94
52) Ethylbenzene	9.57	91	28532	0.797	ug/L	100
53) m,p-Xylene	9.70	106	10119	0.749	ug/L	99
54) o-Xylene	10.10	106	10197	0.773	ug/L	94
55) Styrene	10.12	104	16100	0.701	ug/L	95
56) Isopropylbenzene	10.48	105	25959	0.727	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	6320	0.768	ug/L #	97
59) 1,2,3-Trichloropropane	10.82	75	4837	0.794	ug/L	96
61) Bromoform	10.29	173	2932	0.733	ug/L #	96
62) 1,3-Dichlorobenzene	11.74	146	12357	0.826	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	12443	0.827	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	11838	0.791	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	858	0.656	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.21	180	8627	0.771	ug/L	94
68) 1,2,4-trichlorobenzene	13.83	180	6483	0.685	ug/L	96
69) Naphthalene	14.08	128	9794	0.525	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	5941	0.683	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.845 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

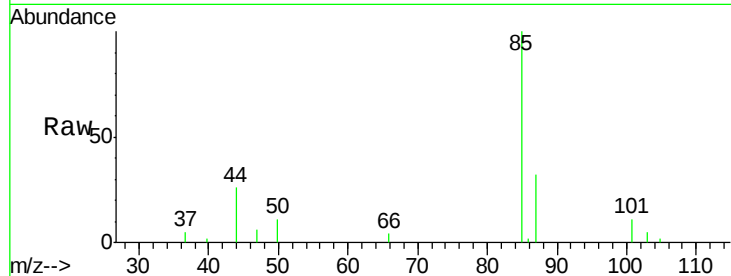
VSTD00101

Tgt Ion: 85 Resp: 5487

Ion Ratio Lower Upper

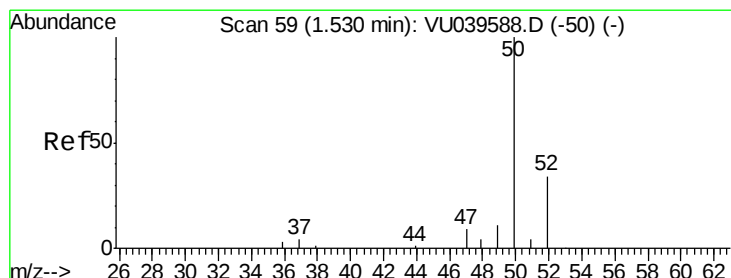
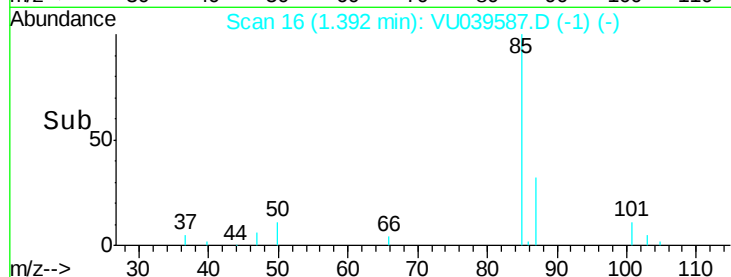
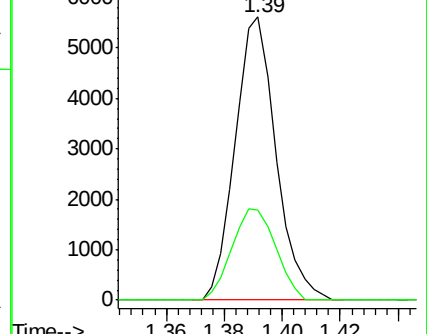
85 100

87 34.5 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.781 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039587.D

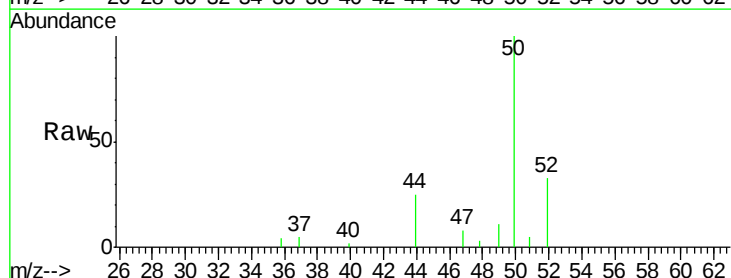
Acq: 21 Jul 2020 09:45

Tgt Ion: 50 Resp: 6056

Ion Ratio Lower Upper

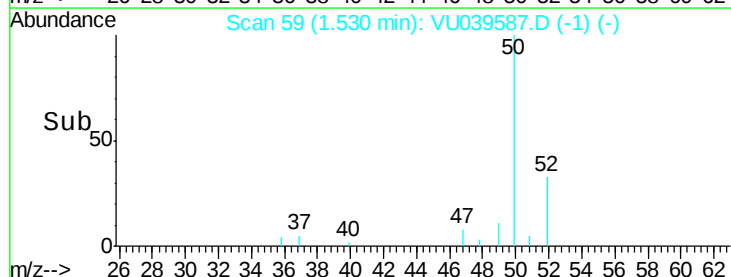
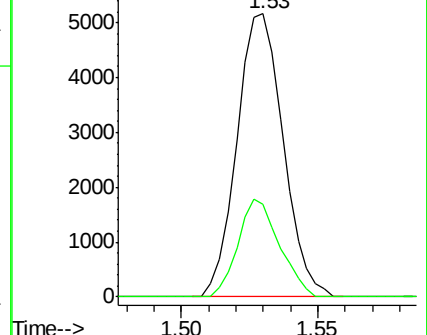
50 100

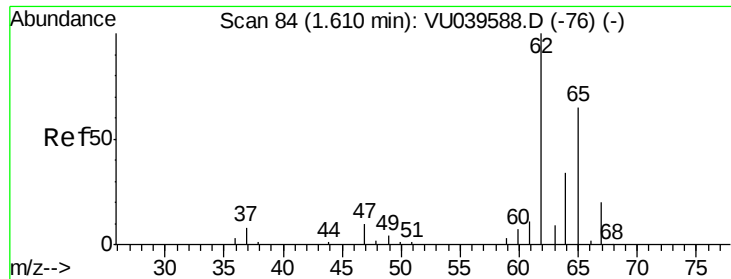
52 32.6 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.743 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

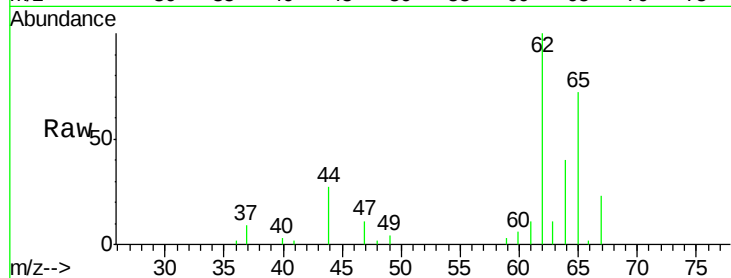
VSTD00101

Tgt Ion: 62 Resp: 6365

Ion Ratio Lower Upper

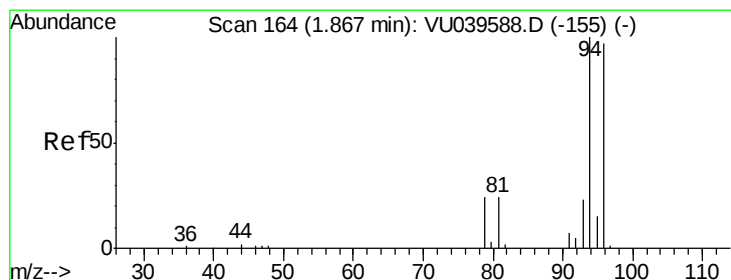
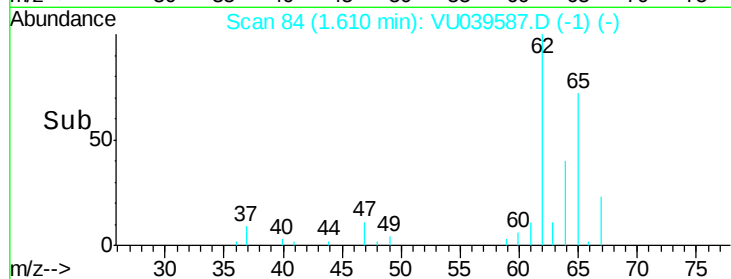
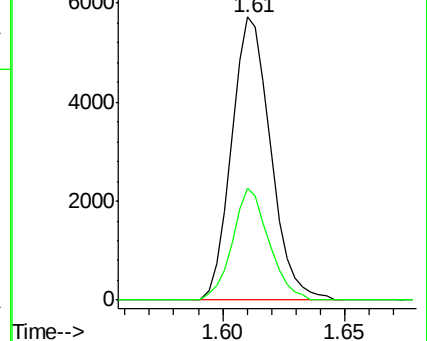
62 100

64 39.6 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.963 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039587.D

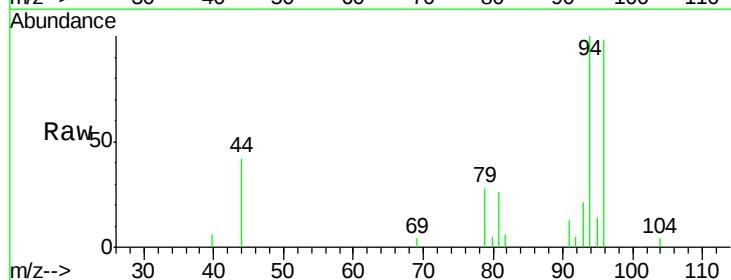
Acq: 21 Jul 2020 09:45

Tgt Ion: 94 Resp: 3861

Ion Ratio Lower Upper

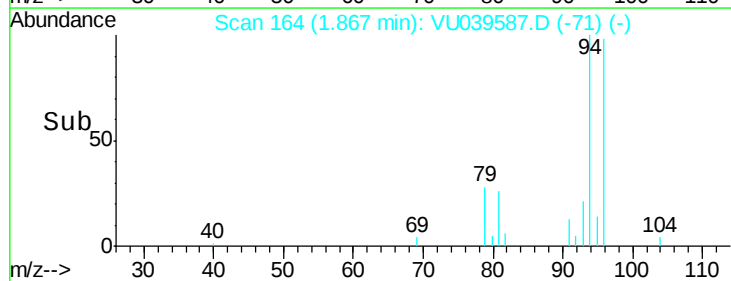
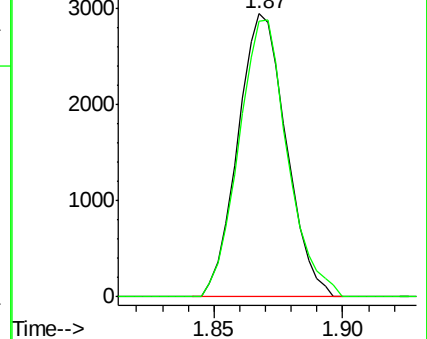
94 100

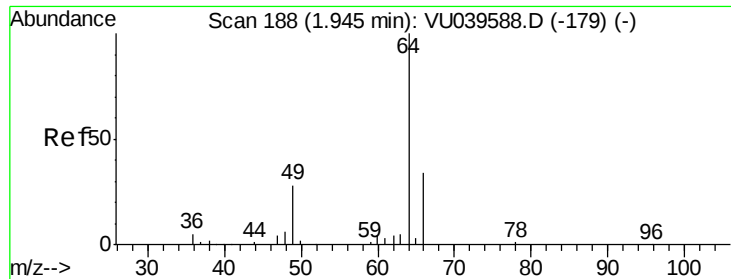
96 97.5 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

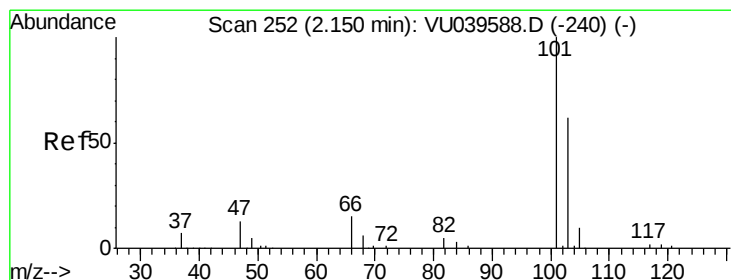
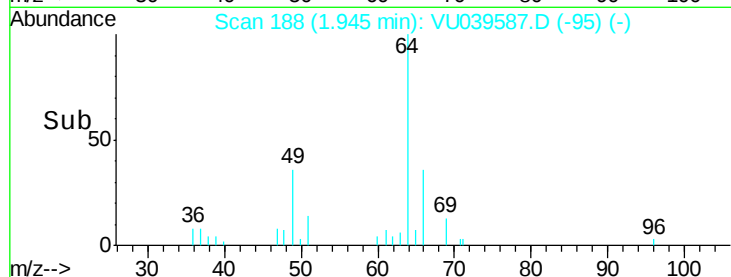
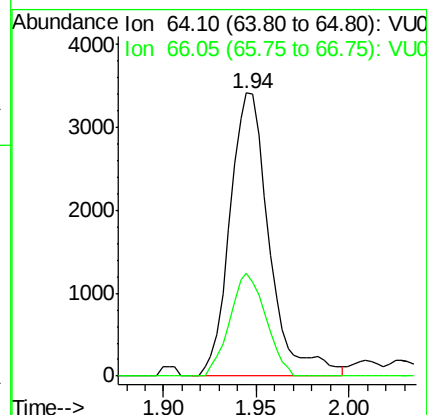
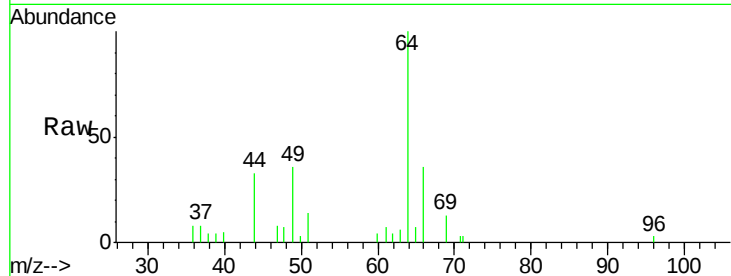




#8
Chloroethane
Concen: 0.793 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

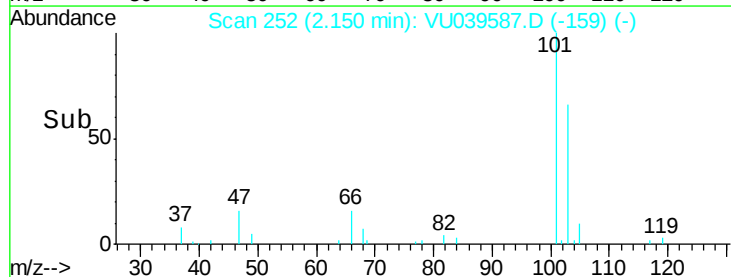
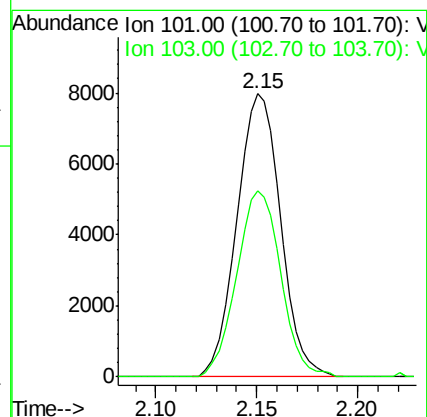
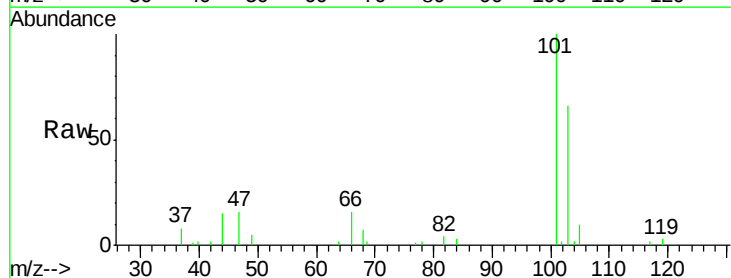
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

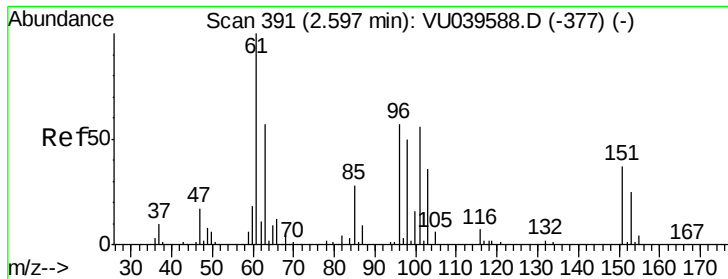
Tgt Ion: 64 Resp: 5050
Ion Ratio Lower Upper
64 100
66 36.3 24.0 44.6



#9
Trichlorofluoromethane
Concen: 0.783 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Tgt Ion: 101 Resp: 12144
Ion Ratio Lower Upper
101 100
103 66.2 50.6 75.8





#10

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

Concen: 0.922 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

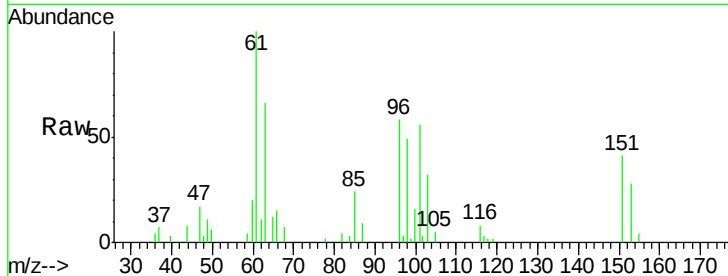
Tgt Ion:101 Resp: 5848

Ion Ratio Lower Upper

101 100

85 42.4 38.7 58.1

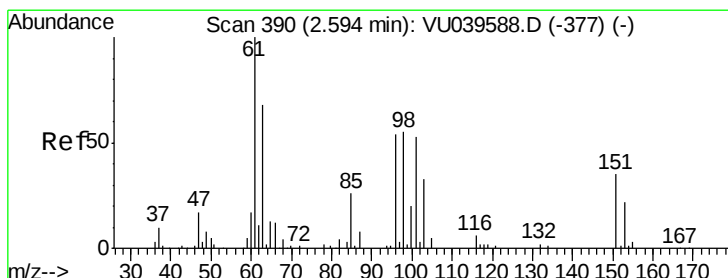
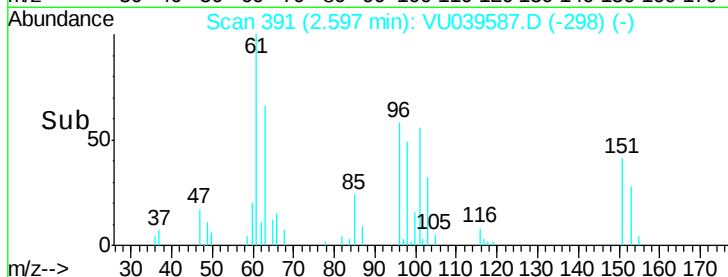
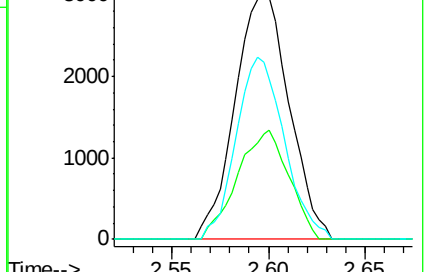
151 66.1 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): VU039588.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039588.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU039588.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 0.845 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

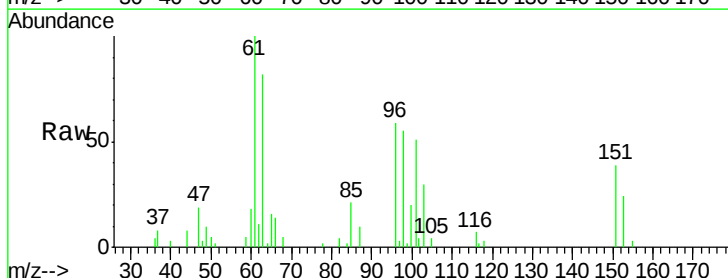
Tgt Ion: 96 Resp: 5374

Ion Ratio Lower Upper

96 100

61 169.3 129.1 239.7

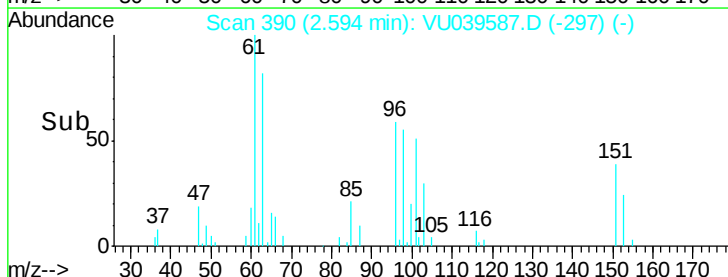
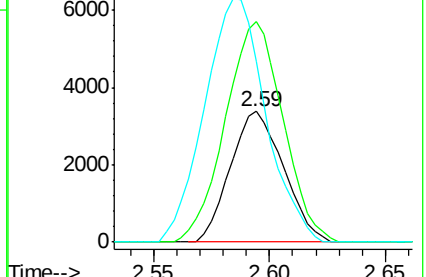
63 138.4 89.7 166.7

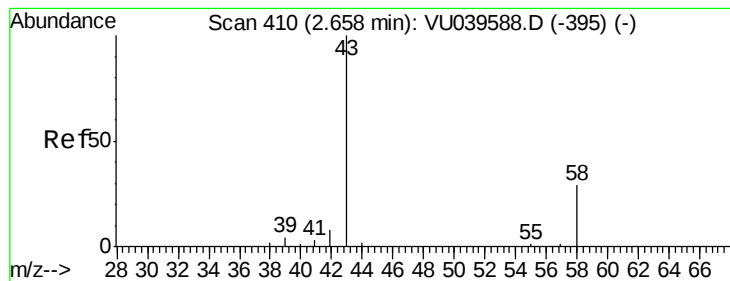


Abundance Ion 96.00 (95.70 to 96.70): VU039588.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU039588.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU039588.D (-377) (-)





#13

Acetone

Concen: 7.934 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

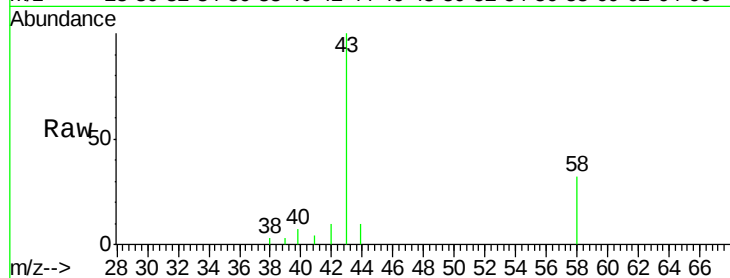
VSTD00101

Tgt Ion: 43 Resp: 12341

Ion Ratio Lower Upper

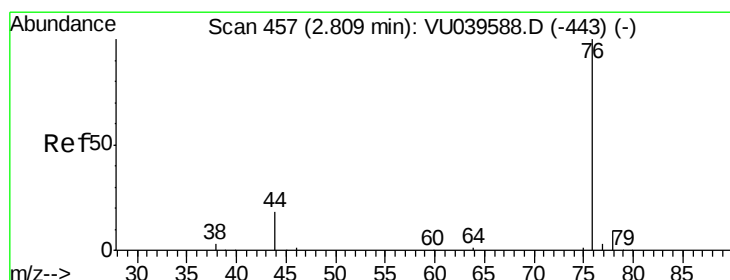
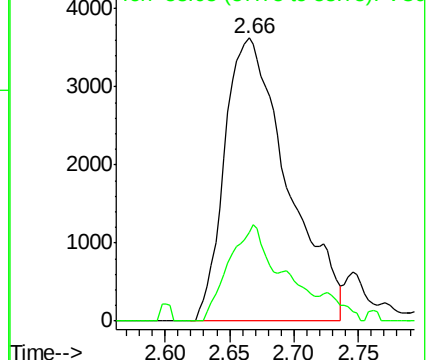
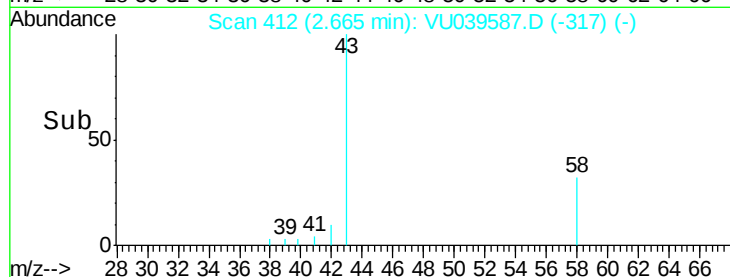
43 100

58 21.4 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039587.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU039587.D (-317) (-)



#14

Carbon disulfide

Concen: 0.715 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039587.D

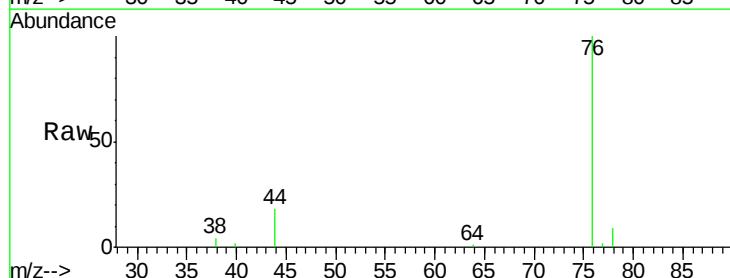
Acq: 21 Jul 2020 09:45

Tgt Ion: 76 Resp: 15739

Ion Ratio Lower Upper

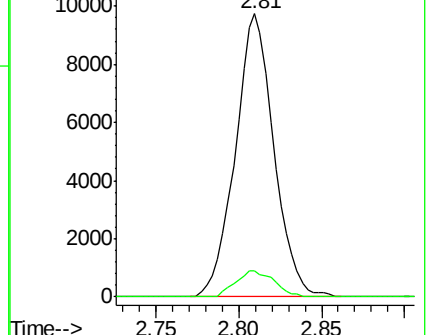
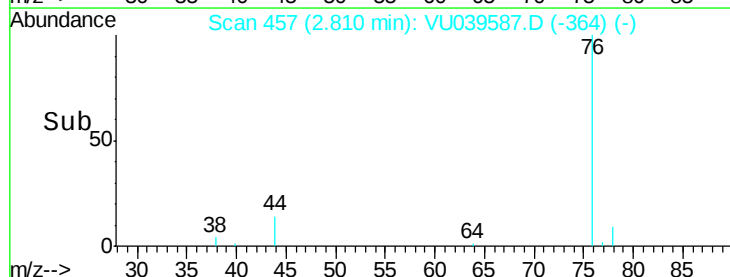
76 100

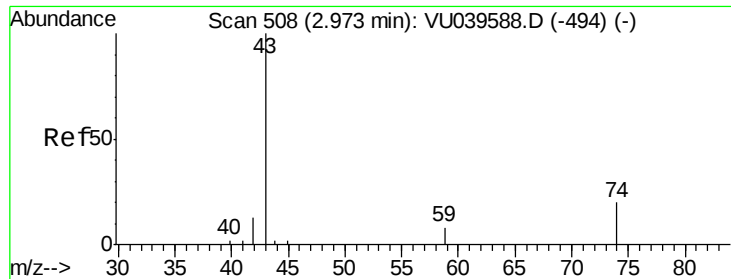
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039587.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU039587.D (-364) (-)

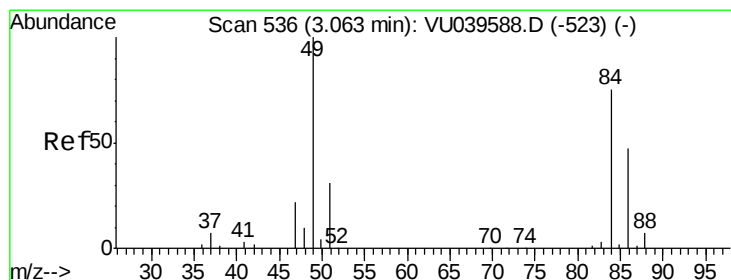
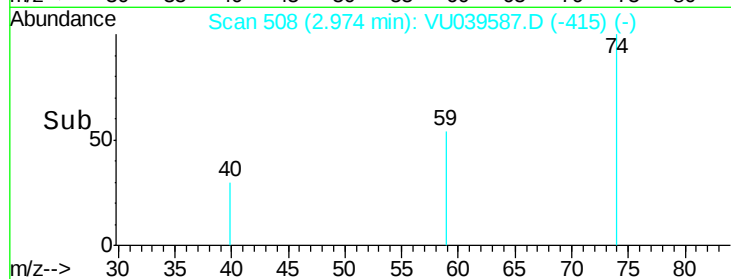
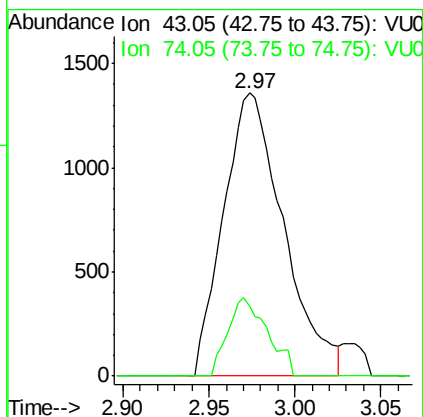
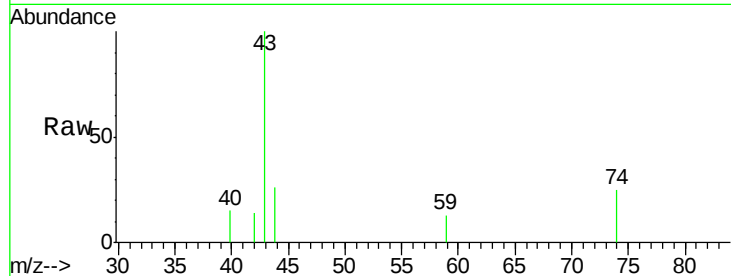




#15
Methyl Acetate
Concen: 0.811 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

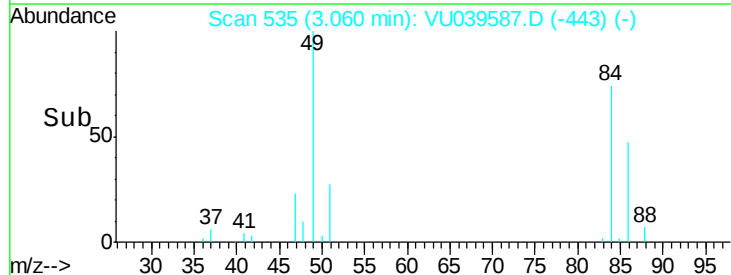
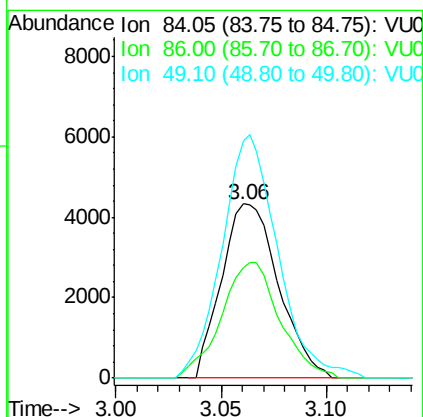
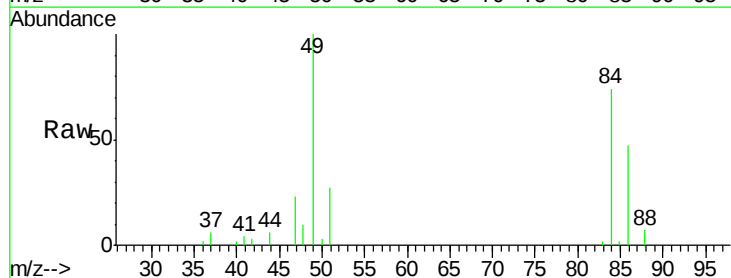
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

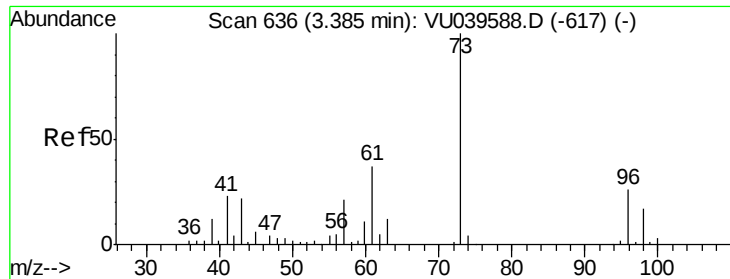
Tgt Ion: 43 Resp: 3300
Ion Ratio Lower Upper
43 100
74 18.2 16.6 24.8



#16
Methylene chloride
Concen: 1.002 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Tgt Ion: 84 Resp: 8141
Ion Ratio Lower Upper
84 100
86 63.4 43.8 81.4
49 135.8 92.7 172.3



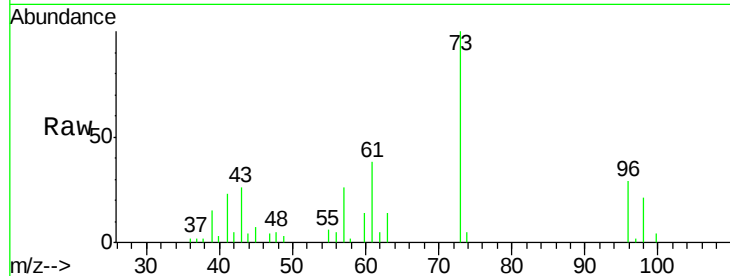


#17

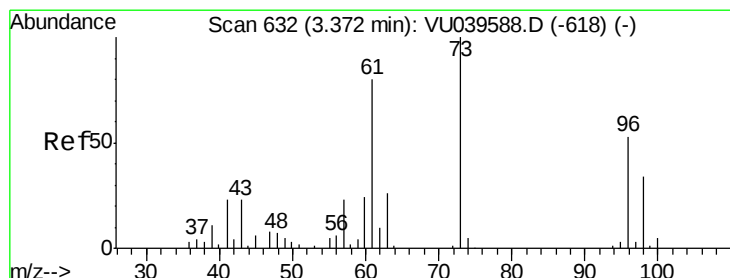
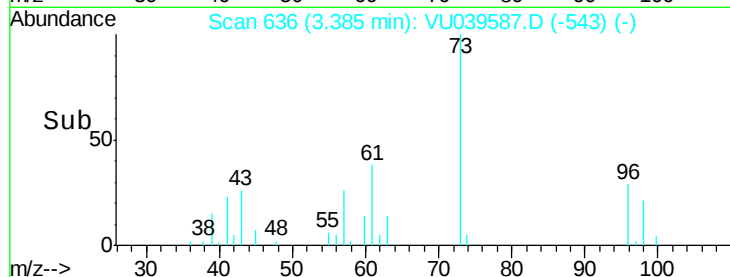
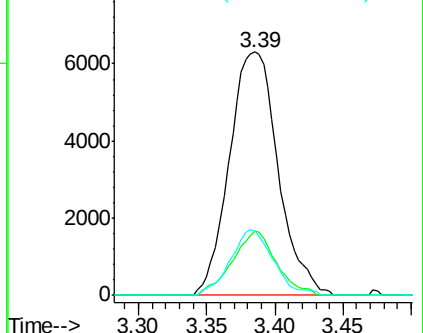
Methyl tert-butyl Ether
 Concen: 0.770 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:	73	Resp:	15676
Ion	Ratio	Lower	Upper
73	100		
43	23.6	18.2	27.4
57	23.8	17.9	26.9



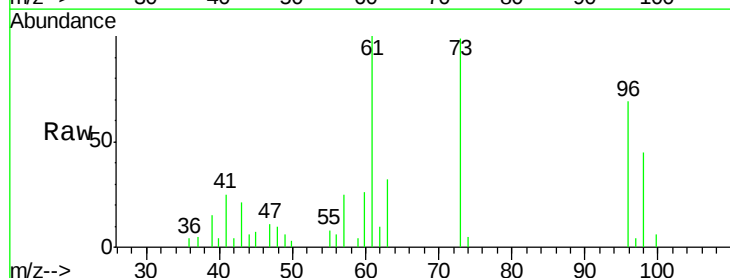
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



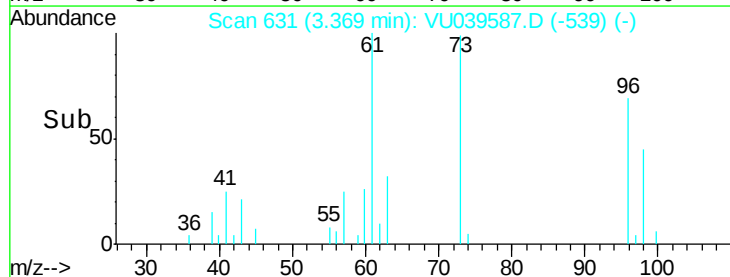
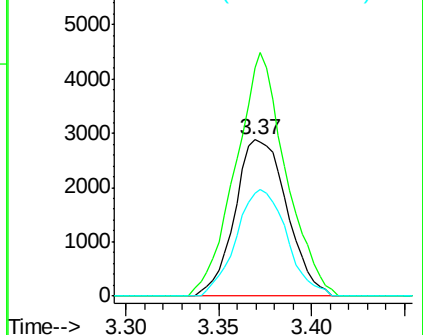
#18

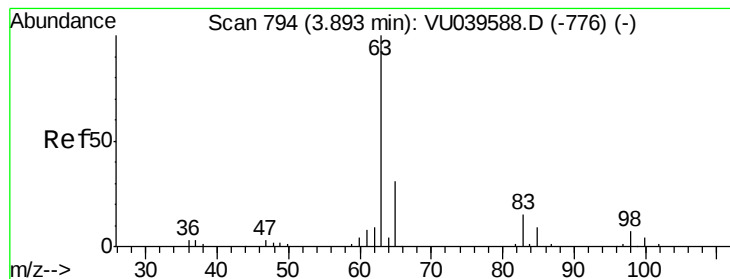
trans-1,2-Dichloroethene
 Concen: 0.794 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Tgt Ion:	96	Resp:	5634
Ion	Ratio	Lower	Upper
96	100		
61	145.9	106.5	197.9
98	65.8	45.2	84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.843 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

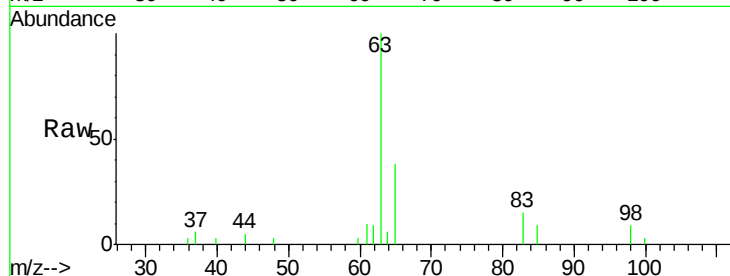
Tgt Ion: 63 Resp: 11961

Ion Ratio Lower Upper

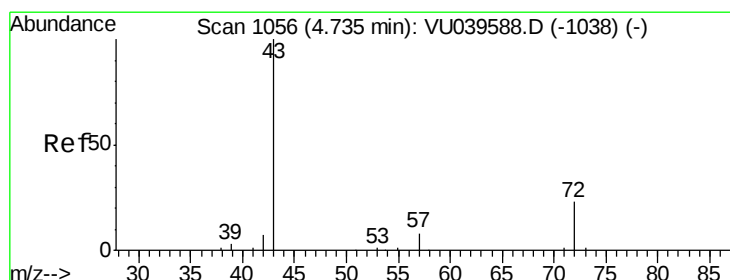
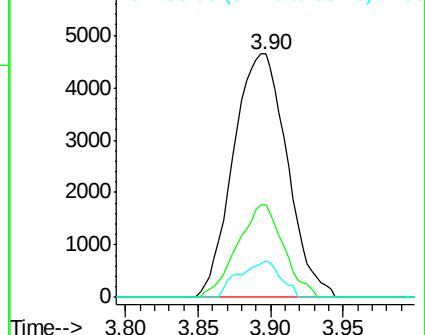
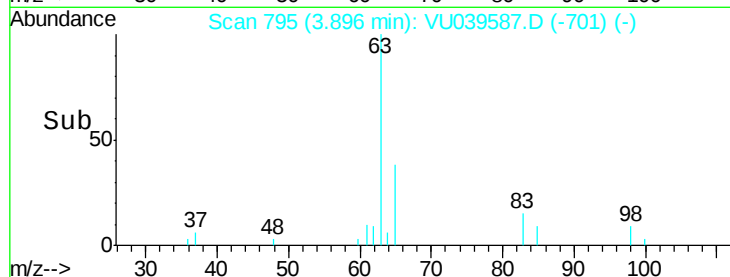
63 100

65 35.8 21.8 40.4

83 14.0 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VU039587.D (-701) (-)



#21

2-Butanone

Concen: 8.098 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU039587.D

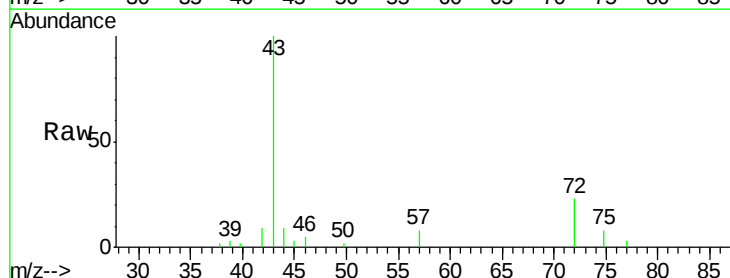
Acq: 21 Jul 2020 09:45

Tgt Ion: 43 Resp: 22339

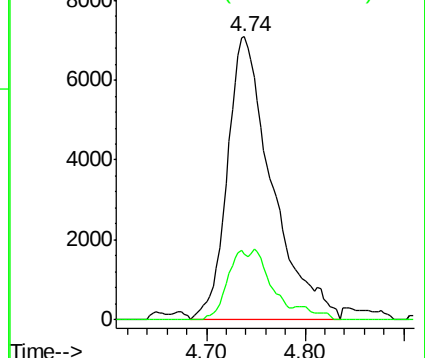
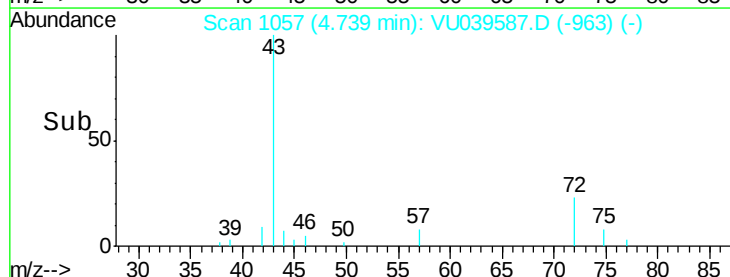
Ion Ratio Lower Upper

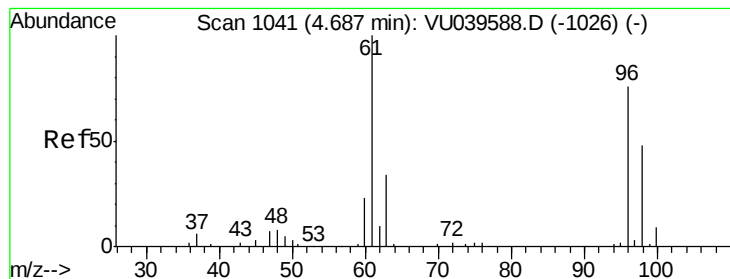
43 100

72 11.5 12.2 36.4#



Abundance Ion 43.05 (42.75 to 43.75): VU039587.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.790 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

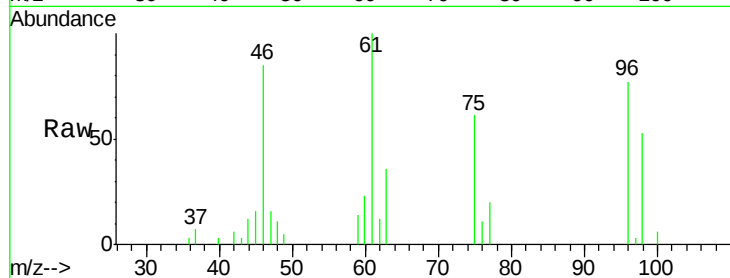
Tgt Ion: 96 Resp: 6370

Ion Ratio Lower Upper

96 100

61 129.6 93.0 172.8

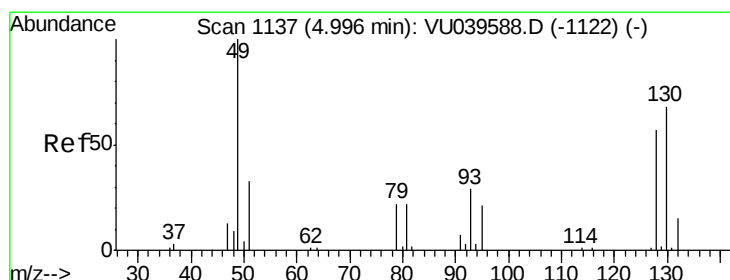
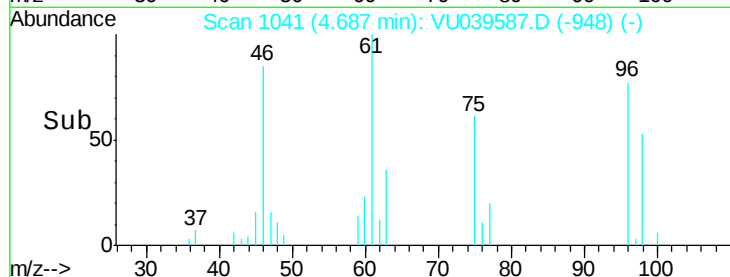
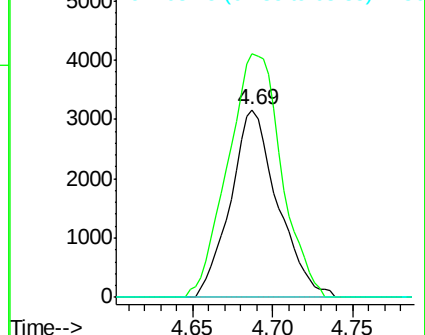
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039587.D (-1044) (-)

Ion 61.05 (60.75 to 61.75): VU039587.D (-1044) (-)

Ion 68.15 (67.85 to 68.85): VU039587.D (-1044) (-)



#23

Bromochloromethane

Concen: 0.867 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Tgt Ion: 128 Resp: 3172

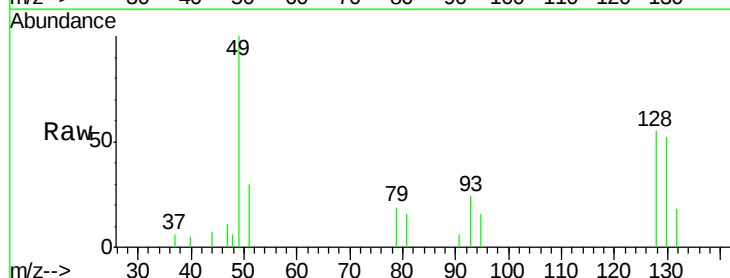
Ion Ratio Lower Upper

128 100

49 181.1 123.1 228.7

130 94.3 83.2 154.4

51 54.8 46.2 69.2

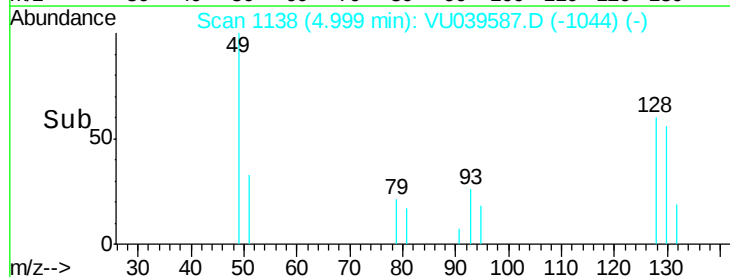
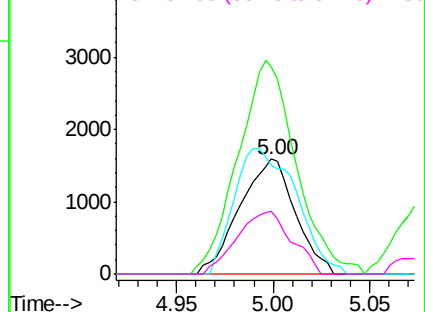


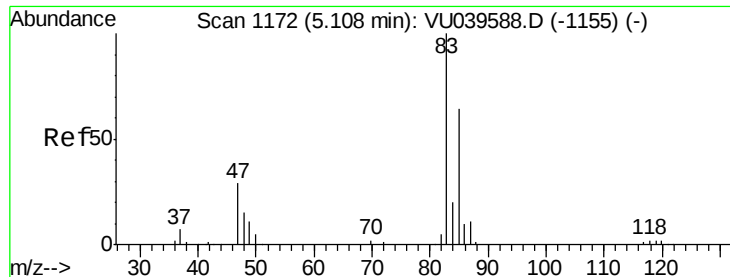
Abundance Ion 127.90 (127.60 to 128.60): VU039587.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039587.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039587.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039587.D (-1044) (-)

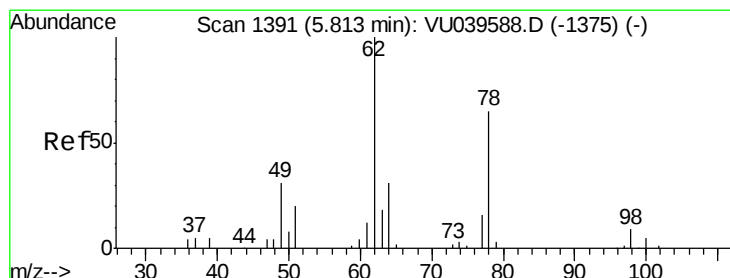
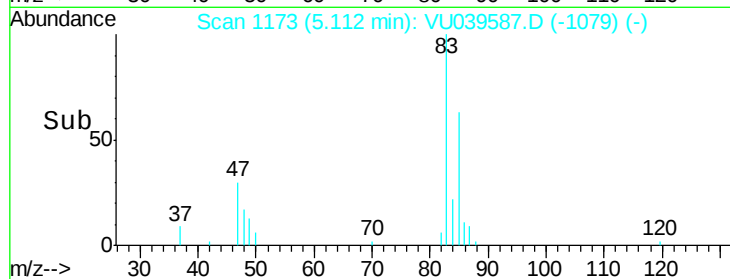
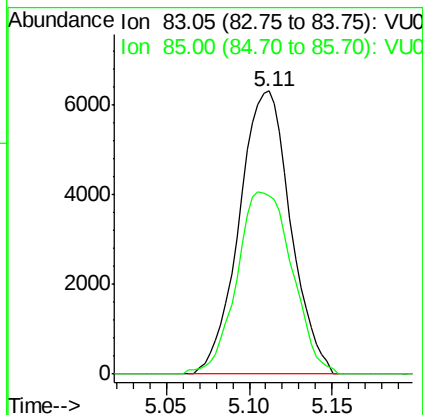
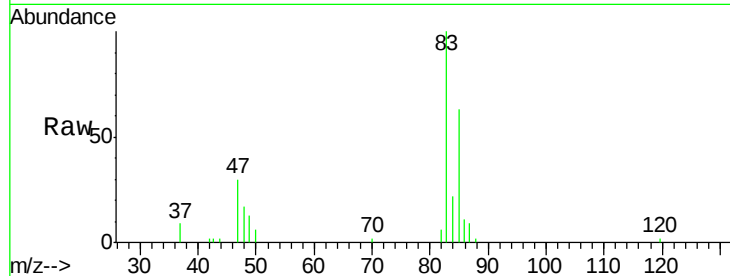




#25
Chloroform
Concen: 0.943 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

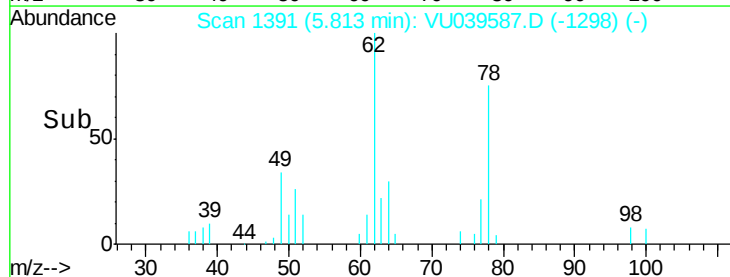
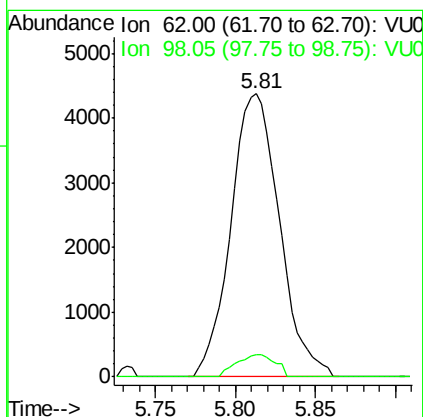
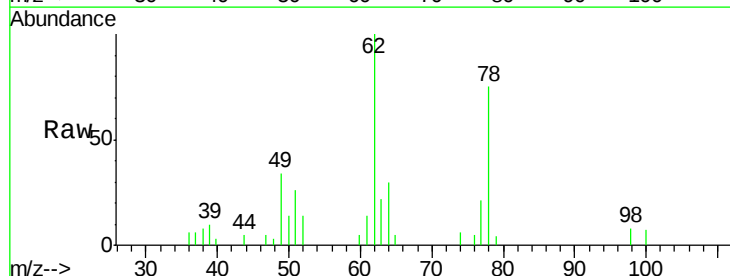
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

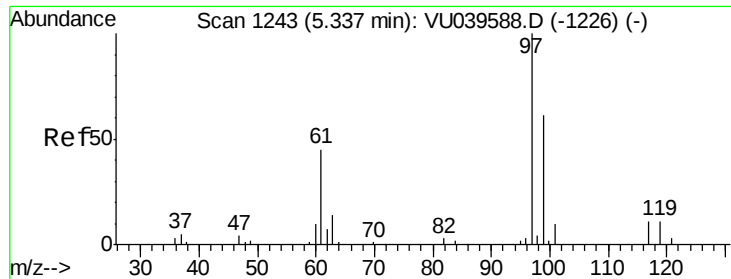
Tgt Ion: 83 Resp: 13633
Ion Ratio Lower Upper
83 100
85 62.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.874 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Tgt Ion: 62 Resp: 9083
Ion Ratio Lower Upper
62 100
98 8.0 6.7 10.1

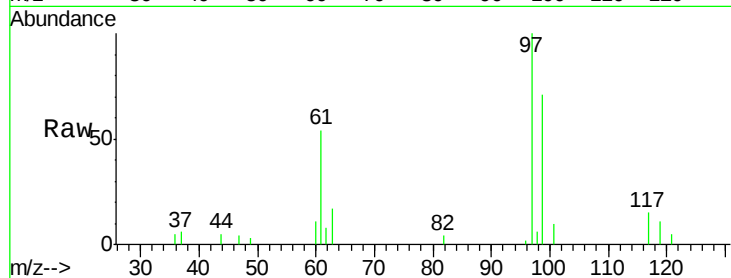




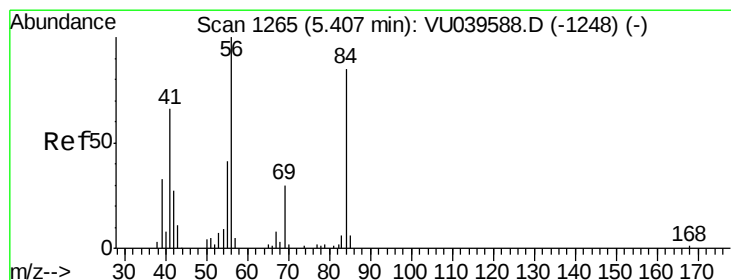
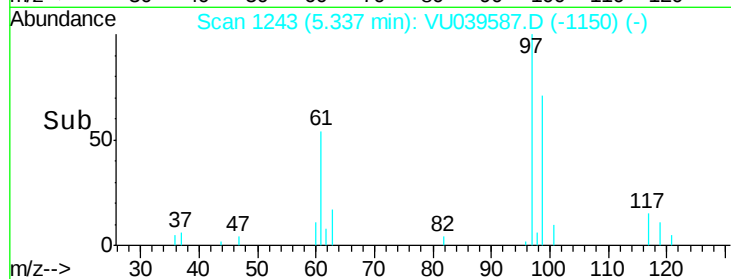
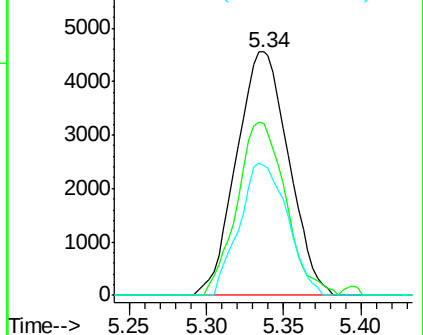
#29
 1,1,1-Trichloroethane
 Concen: 0.888 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion: 97 Resp: 10679
 Ion Ratio Lower Upper
 97 100
 99 66.2 49.5 74.3
 61 49.9 38.8 58.2

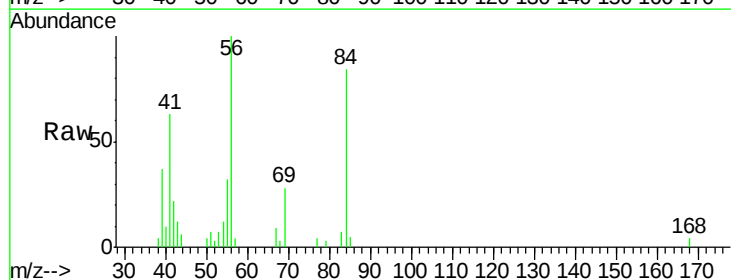


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

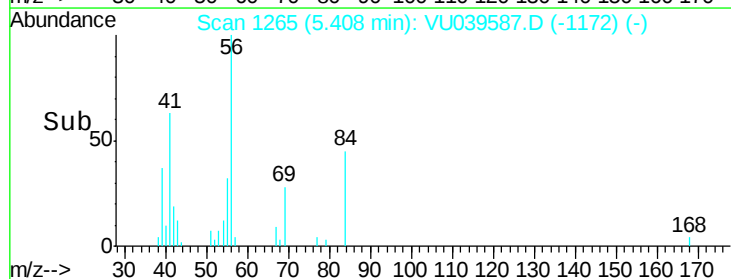
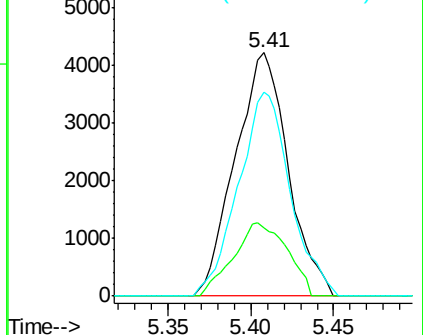


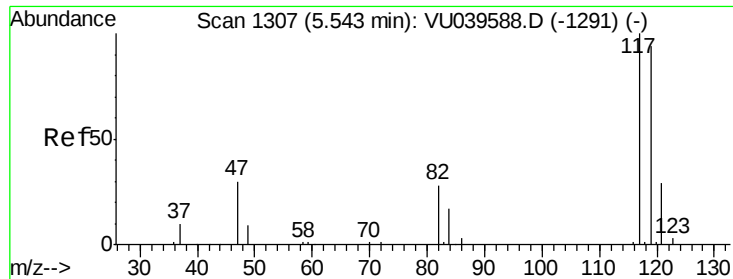
#30
 Cyclohexane
 Concen: 0.768 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Tgt Ion: 56 Resp: 9352
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.0 36.0
 84 82.2 69.8 104.6



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: 0.893 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

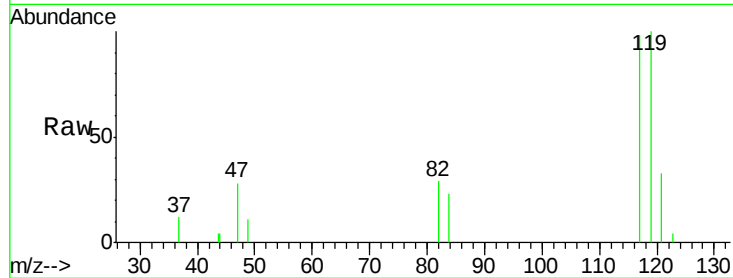
VSTD00101

Tgt Ion:117 Resp: 9129

Ion Ratio Lower Upper

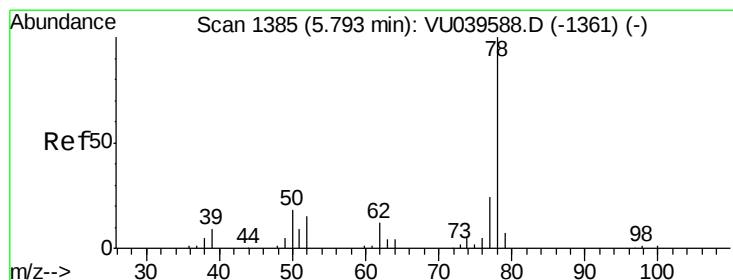
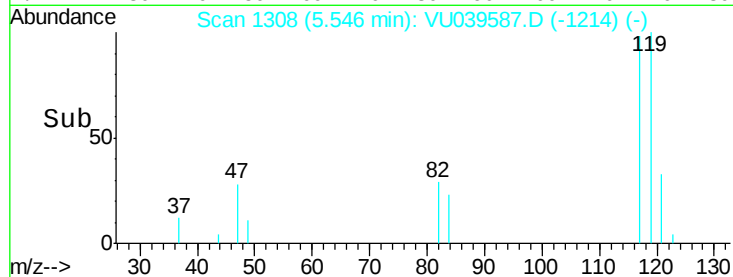
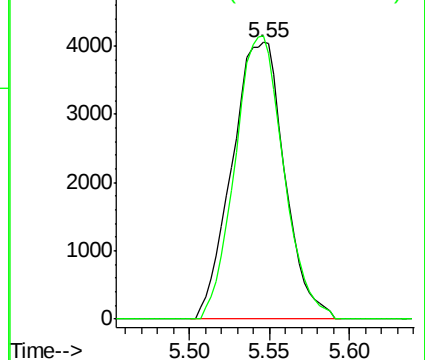
117 100

119 94.2 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.818 ug/L

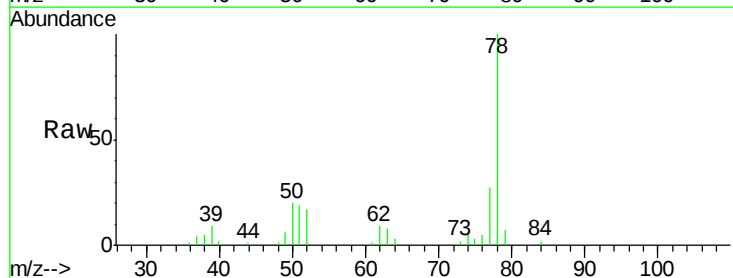
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

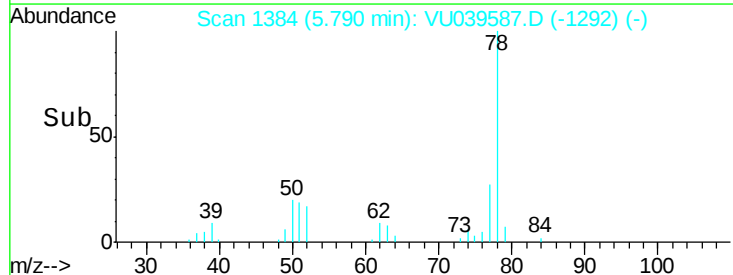
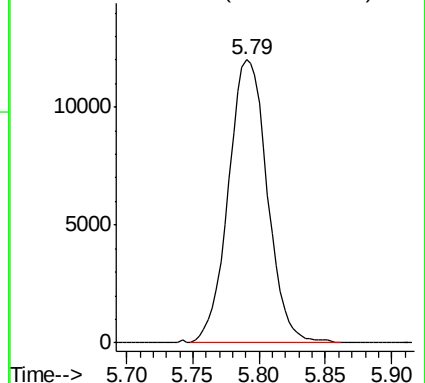
Lab File: VU039587.D

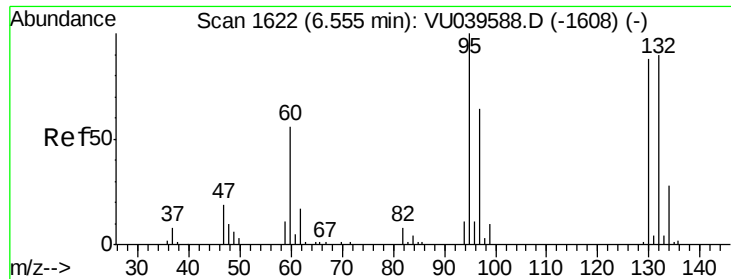
Acq: 21 Jul 2020 09:45

Tgt Ion: 78 Resp: 24528



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.835 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tgt Ion: 95 Resp: 6495

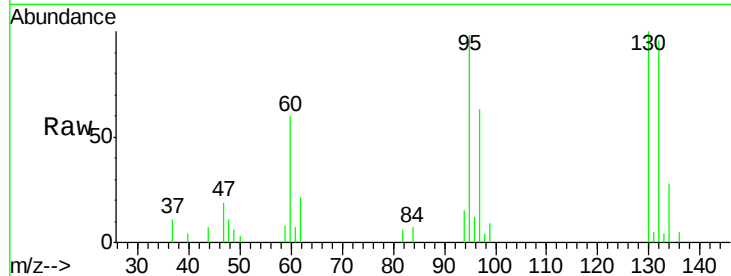
Ion Ratio Lower Upper

95 100

97 65.1 44.9 83.3

132 98.1 62.8 116.6

130 102.6 61.5 114.1

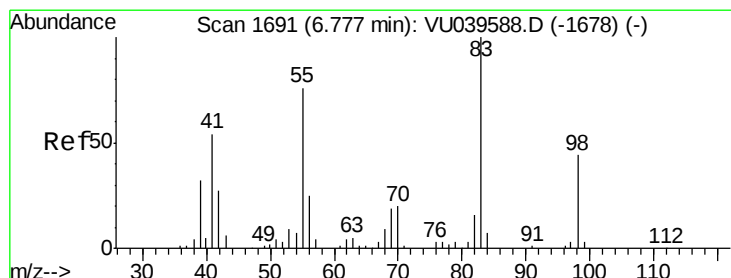
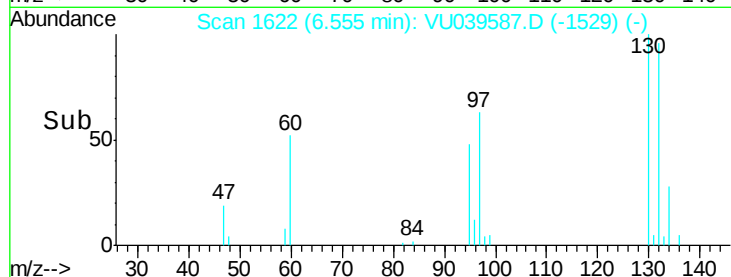
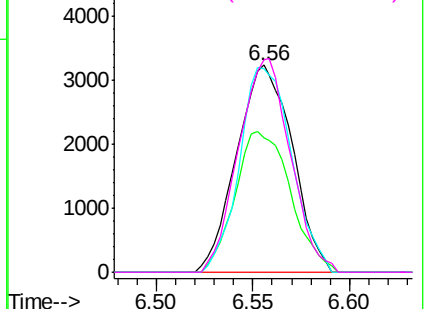


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.790 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

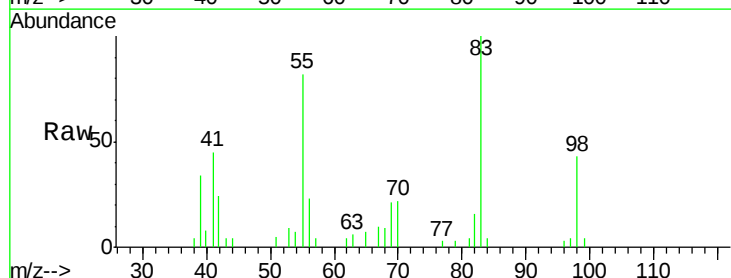
Tgt Ion: 83 Resp: 9683

Ion Ratio Lower Upper

83 100

55 81.4 63.0 94.6

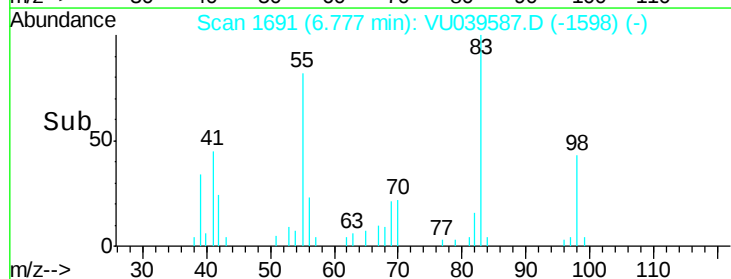
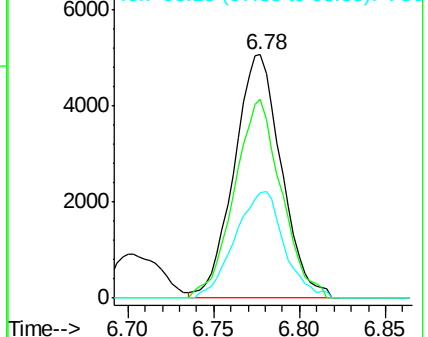
98 45.5 35.3 52.9

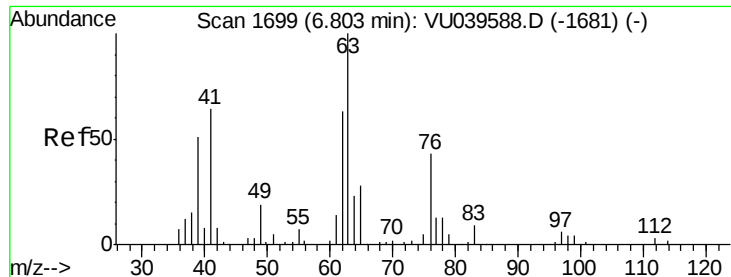


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

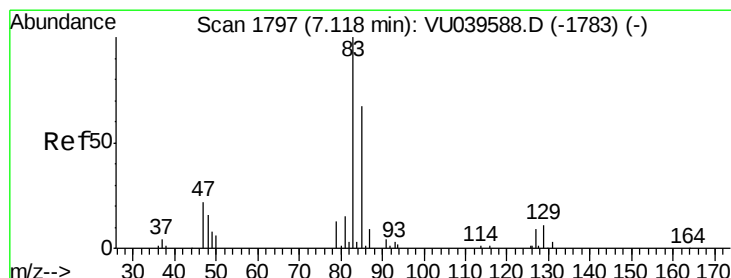
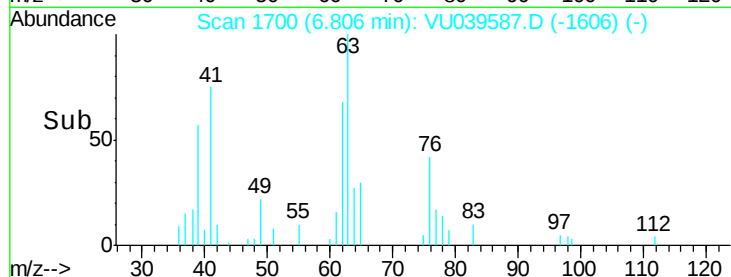
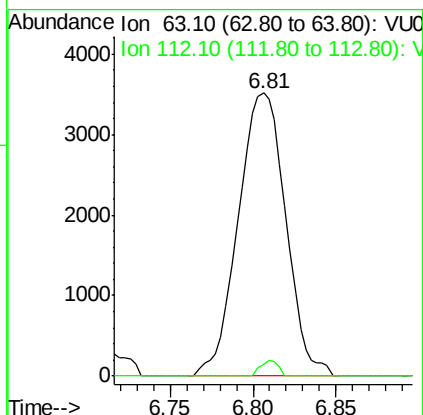
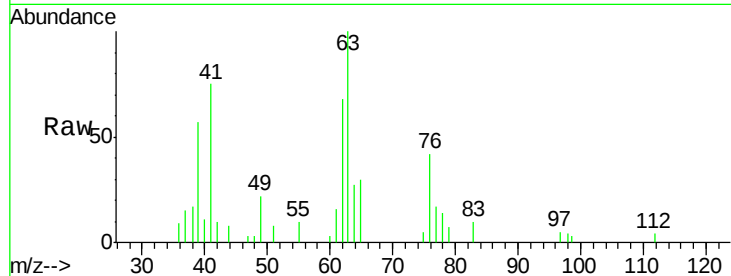




#37
 1,2-Dichloropropane
 Concen: 0.856 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

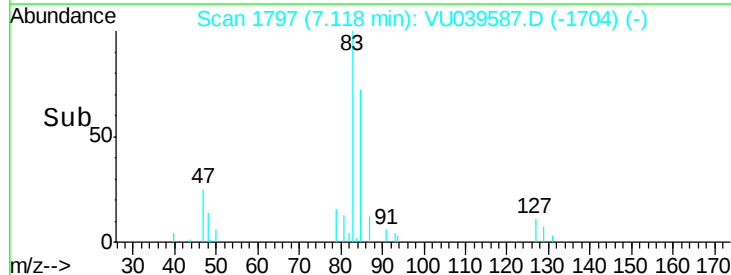
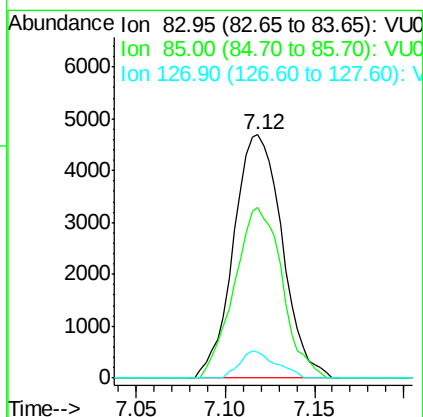
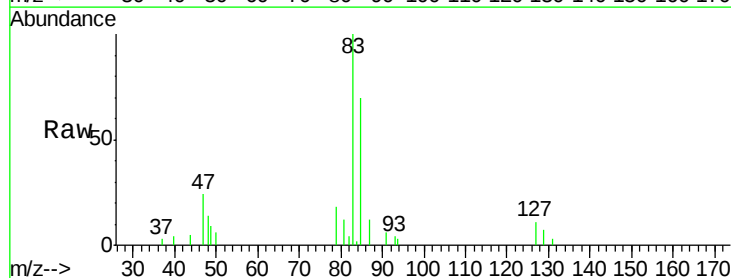
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

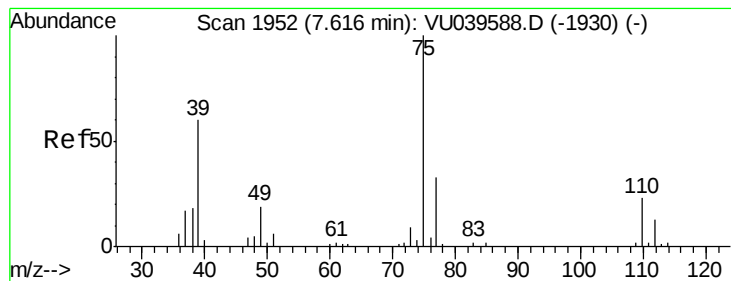
Tgt Ion: 63 Resp: 7004
 Ion Ratio Lower Upper
 63 100
 112 2.1 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 0.849 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Tgt Ion: 83 Resp: 8923
 Ion Ratio Lower Upper
 83 100
 85 69.9 46.6 86.6
 127 10.9 7.0 10.6#



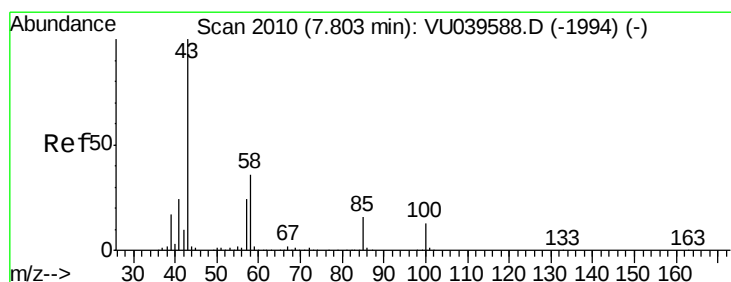
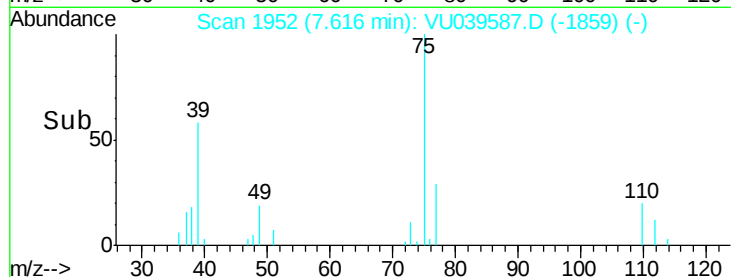
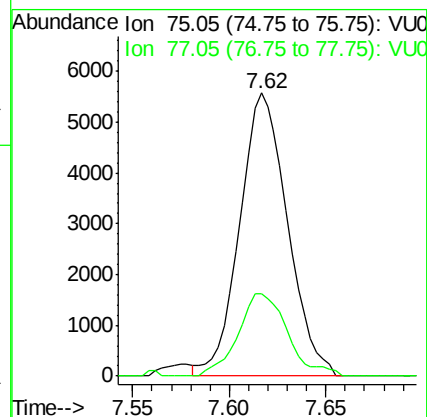
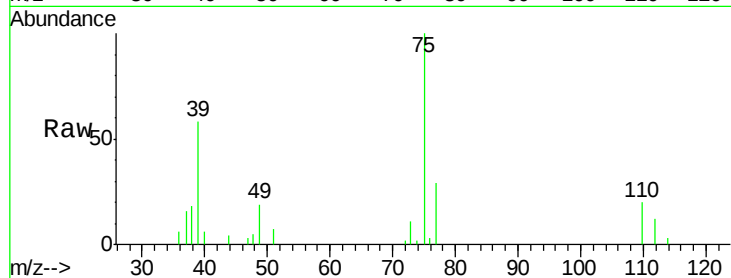


#39

cis-1,3-Dichloropropene
 Concen: 0.777 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

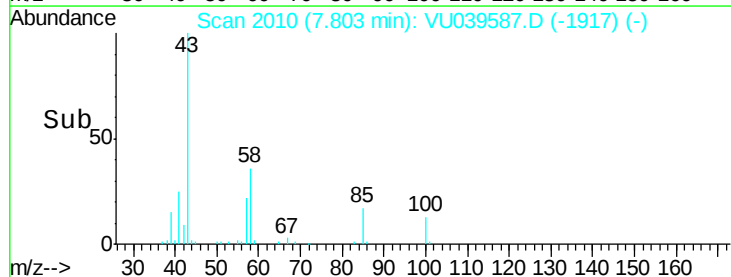
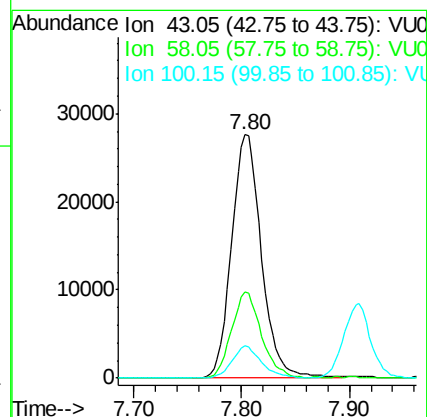
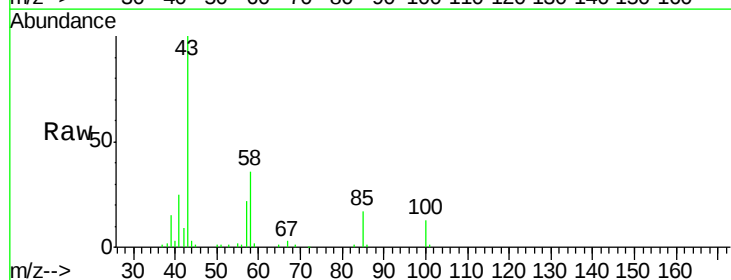
Tgt Ion: 75 Resp: 9580
 Ion Ratio Lower Upper
 75 100
 77 29.1 23.2 43.0

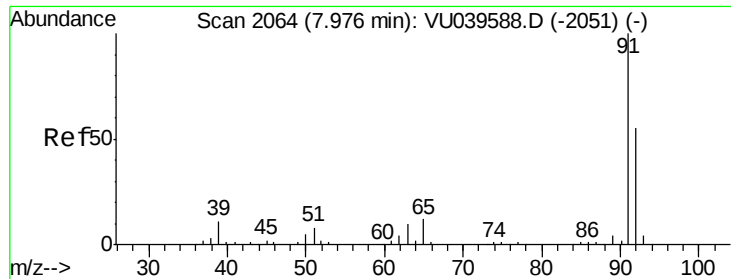


#40

4-Methyl-2-pentanone
 Concen: 7.894 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Tgt Ion: 43 Resp: 53505
 Ion Ratio Lower Upper
 43 100
 58 35.1 29.2 43.8
 100 12.8 10.5 15.7





#42

Toluene

Concen: 0.796 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

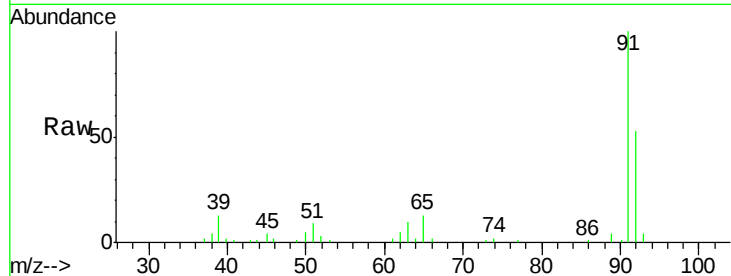
VSTD00101

Tgt Ion: 91 Resp: 25682

Ion Ratio Lower Upper

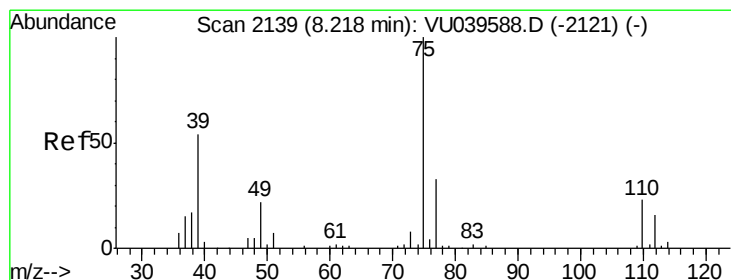
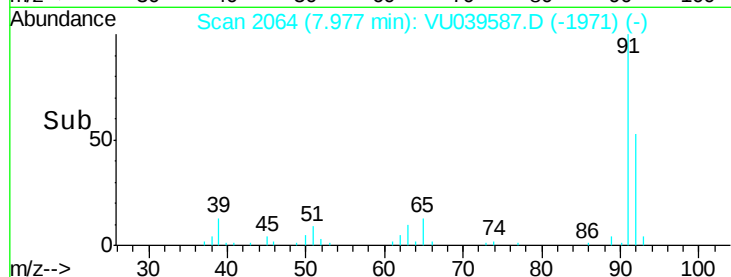
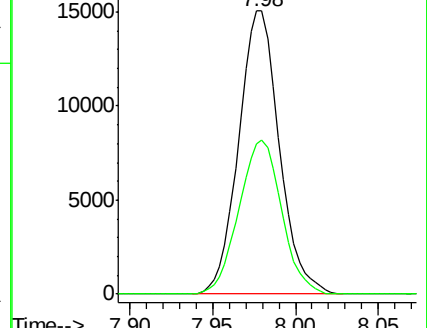
91 100

92 53.2 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039588.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU039588.D (-2051) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.782 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039587.D

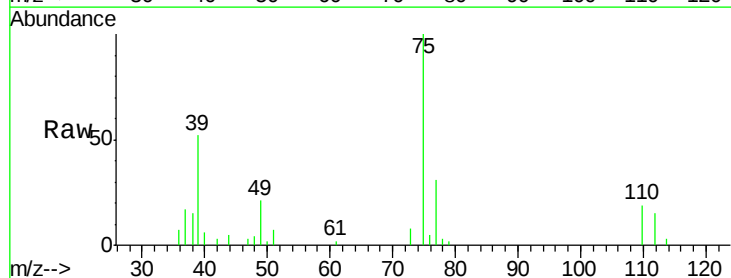
Acq: 21 Jul 2020 09:45

Tgt Ion: 75 Resp: 8550

Ion Ratio Lower Upper

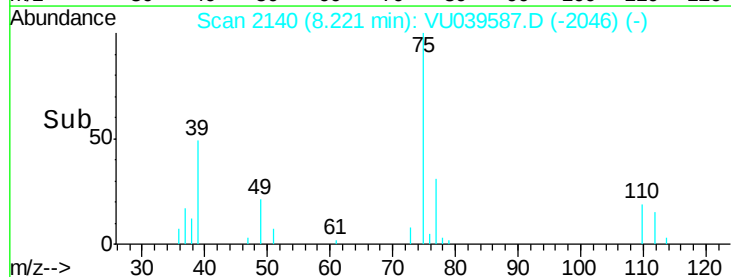
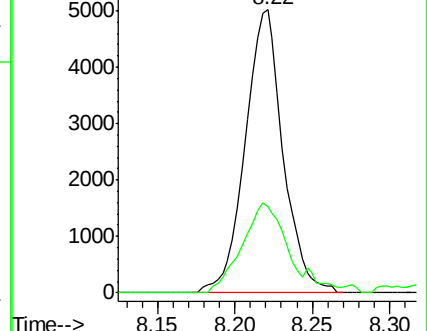
75 100

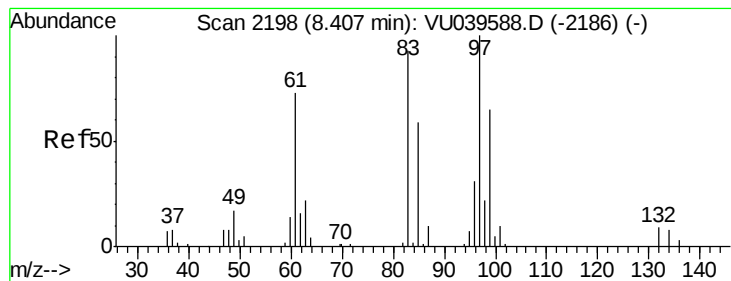
77 30.7 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU039588.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039588.D (-2121) (-)





#45

1,1,2-Trichloroethane

Concen: 0.880 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tgt Ion: 97 Resp: 5188

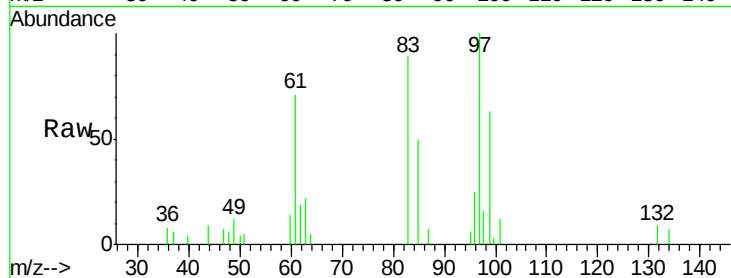
Ion Ratio Lower Upper

97 100

99 65.9 45.2 84.0

83 89.0 64.9 120.5

85 49.5 41.4 77.0

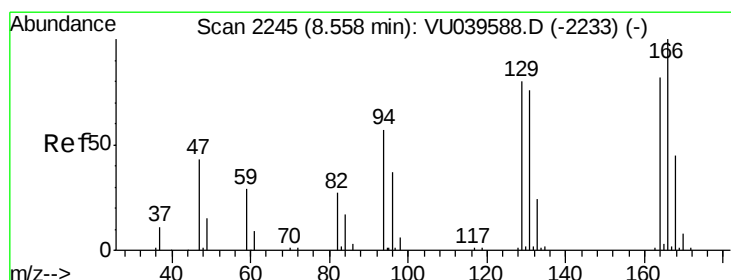
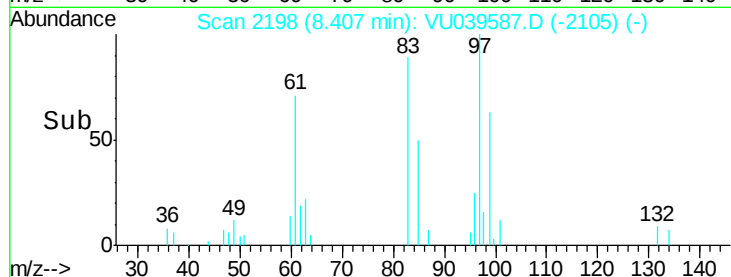
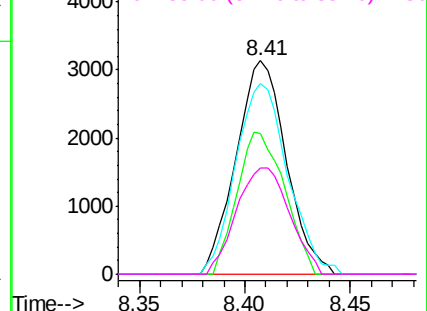


Abundance Ion 96.95 (96.65 to 97.65): VU039587.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU039587.D (-2105) (-)

Ion 82.95 (82.65 to 83.65): VU039587.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU039587.D (-2105) (-)



#47

Tetrachloroethene

Concen: 0.792 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Tgt Ion: 164 Resp: 4319

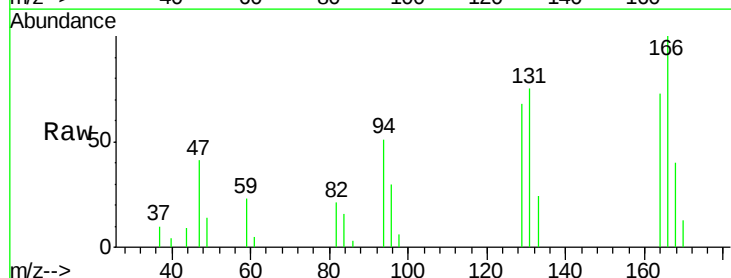
Ion Ratio Lower Upper

164 100

129 93.7 67.9 126.1

131 103.7 64.7 120.1

166 137.9 85.1 158.1

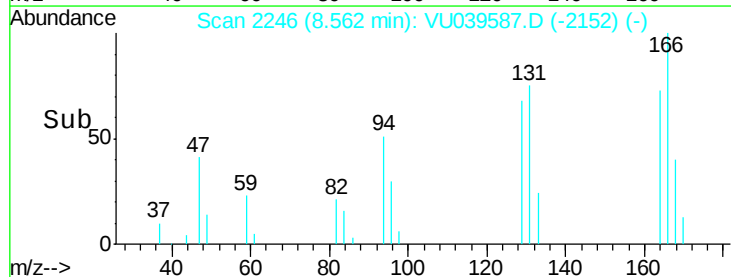
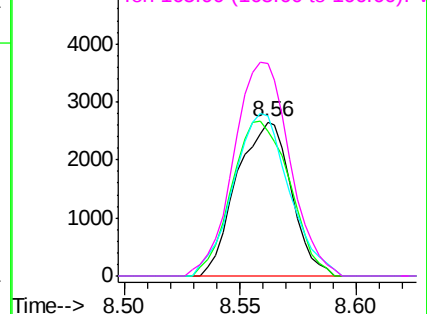


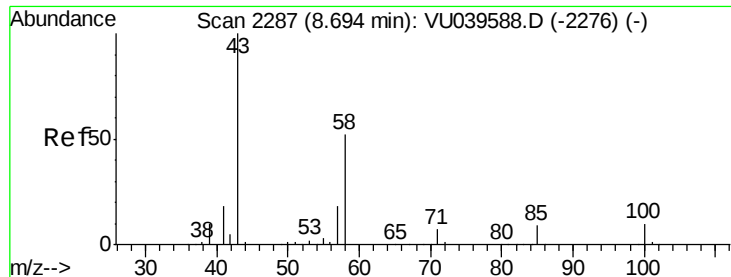
Abundance Ion 163.90 (163.60 to 164.60): VU039587.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU039587.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU039587.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU039587.D (-2152) (-)

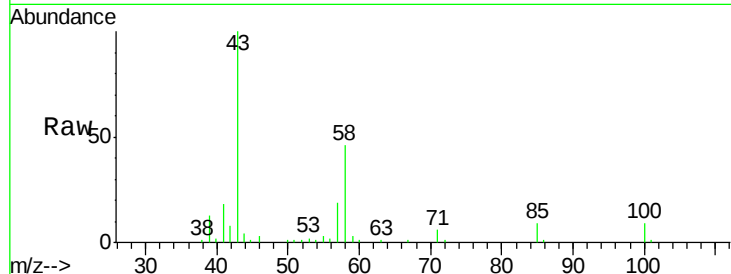




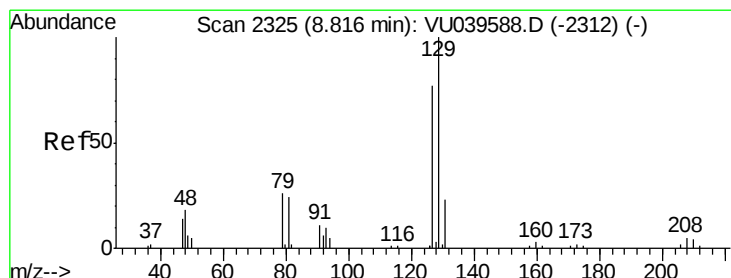
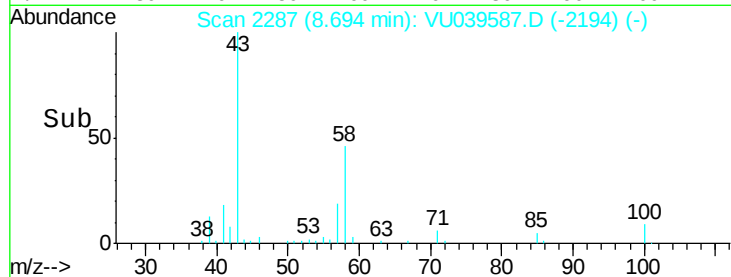
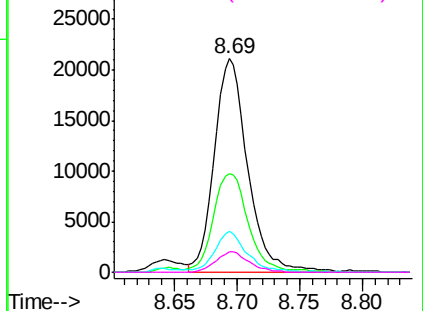
#48
2-Hexanone
Concen: 7.840 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:	43	Resp:	39079
Ion	Ratio	Lower	Upper
43	100		
58	45.9	40.9	61.3
57	18.4	14.6	21.8
100	9.5	7.9	11.9

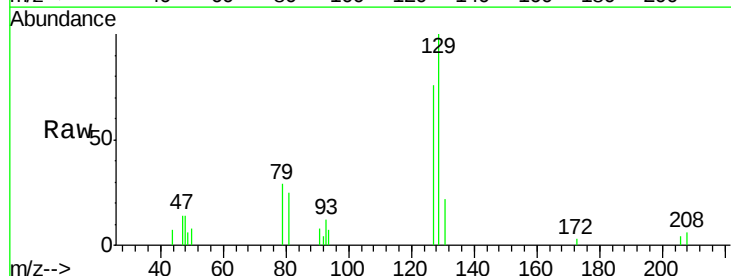


Abundance Ion 43.05 (42.75 to 43.75): VU039587.D (-2194) (-)
Ion 58.05 (57.75 to 58.75): VU039587.D (-2194) (-)
Ion 57.20 (56.90 to 57.90): VU039587.D (-2194) (-)
Ion 100.15 (99.85 to 100.85): VU039587.D (-2194) (-)

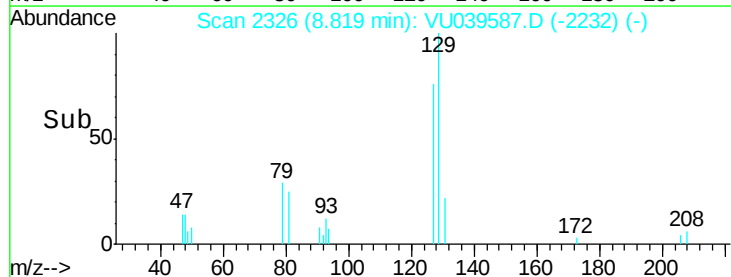
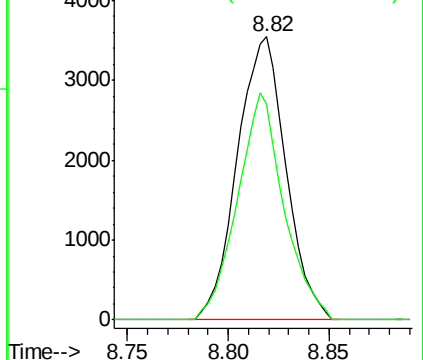


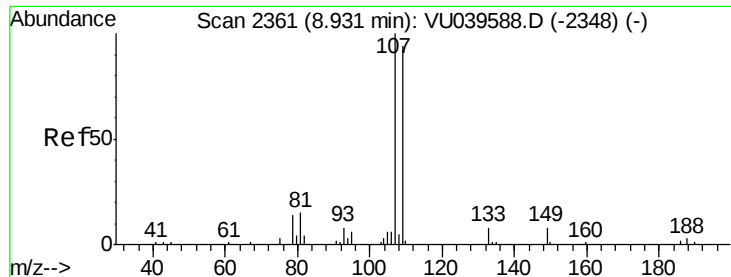
#49
Dibromochloromethane
Concen: 0.832 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Tgt Ion:	129	Resp:	5991
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VU039587.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039587.D (-2232) (-)

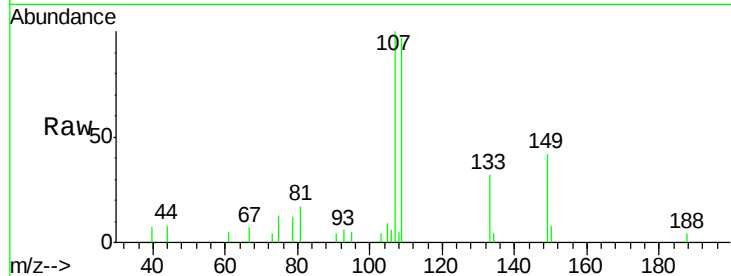




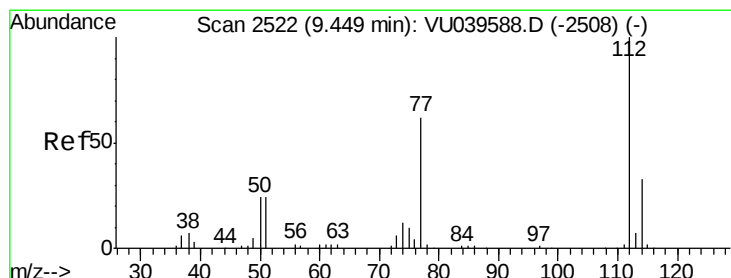
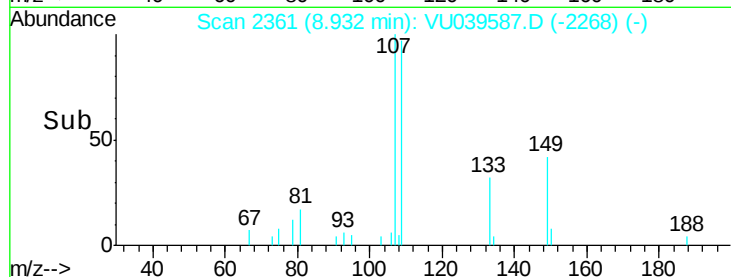
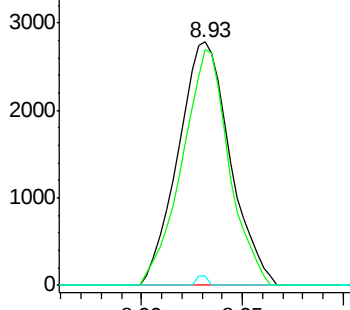
#50
1,2-Dibromoethane
Concen: 0.838 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:107 Resp: 5009
Ion Ratio Lower Upper
107 100
109 96.7 66.1 122.7
188 3.8 2.4 3.6#

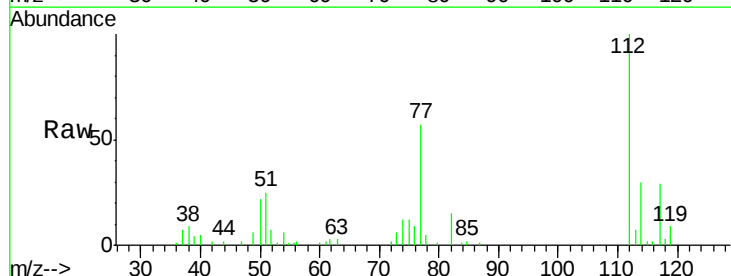


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

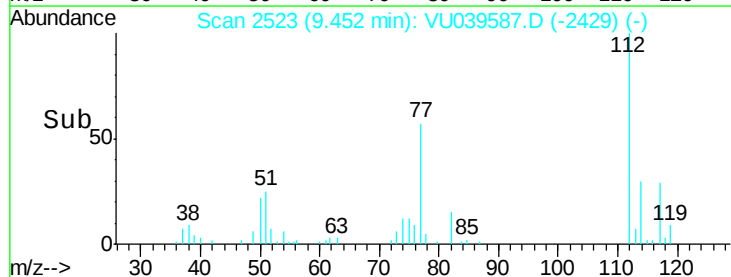
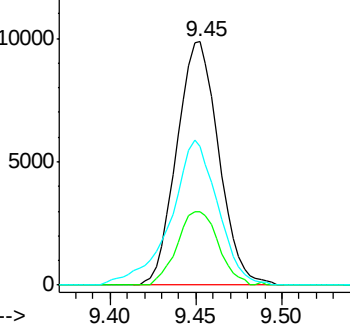


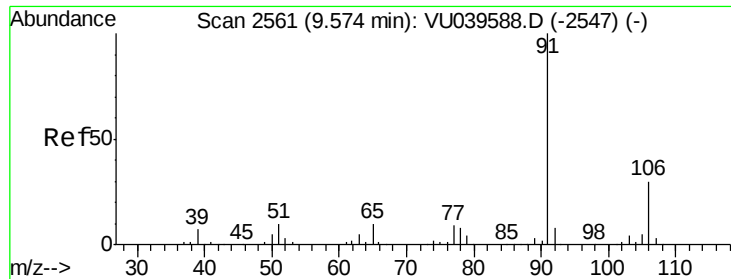
#51
Chlorobenzene
Concen: 0.847 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Tgt Ion:112 Resp: 16823
Ion Ratio Lower Upper
112 100
114 30.1 22.9 42.5
77 57.0 50.0 75.0



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: 0.797 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

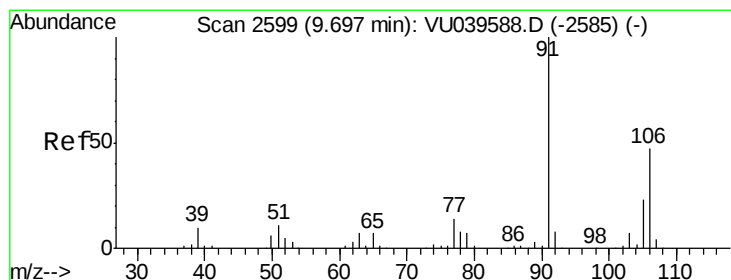
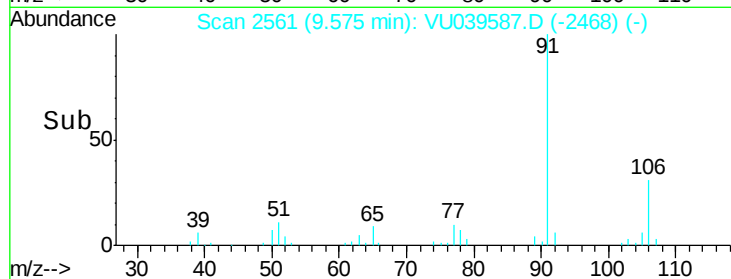
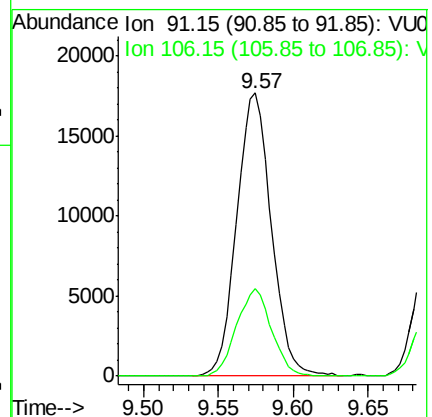
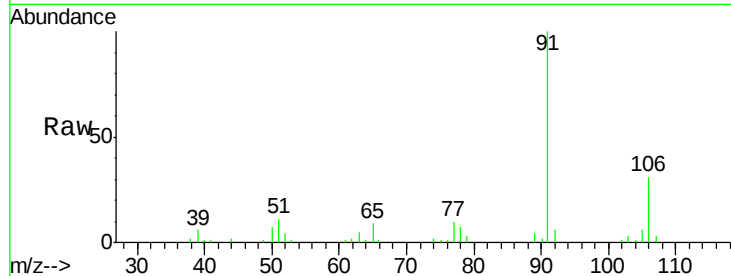
VSTD00101

Tgt Ion: 91 Resp: 28532

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#53

m,p-Xylene

Concen: 0.749 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039587.D

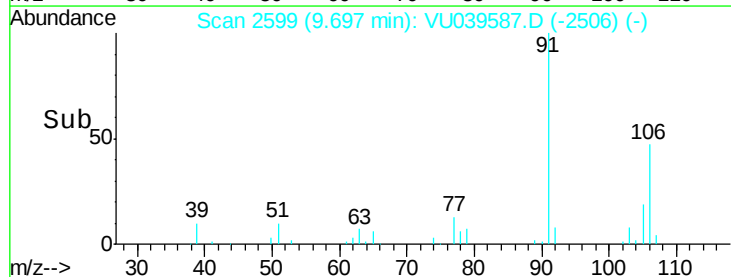
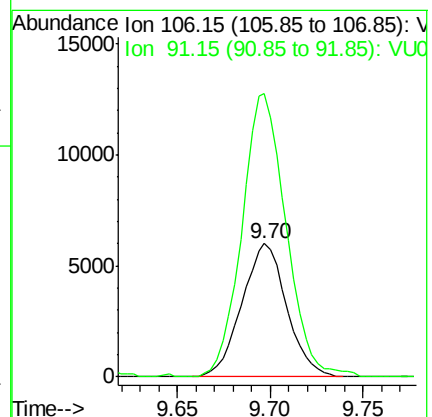
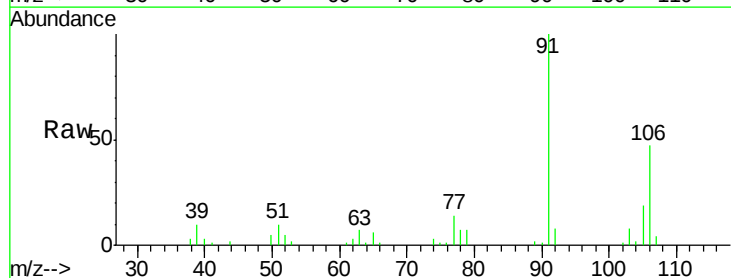
Acq: 21 Jul 2020 09:45

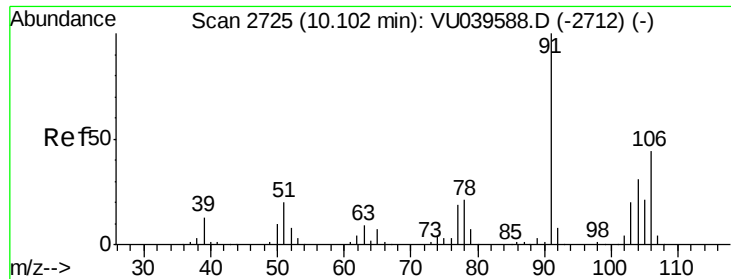
Tgt Ion: 106 Resp: 10119

Ion Ratio Lower Upper

106 100

91 212.3 149.3 277.3

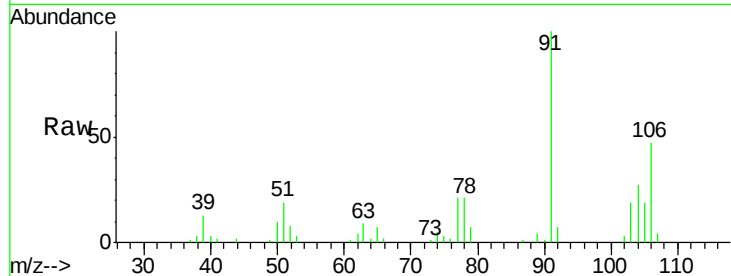




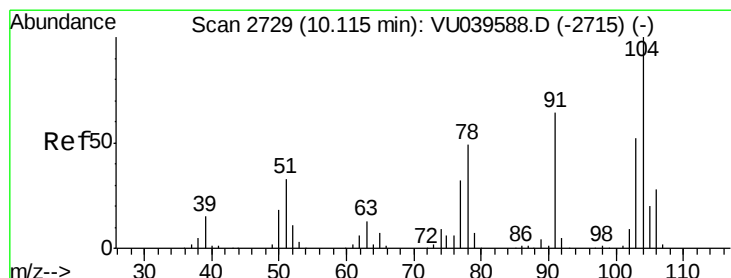
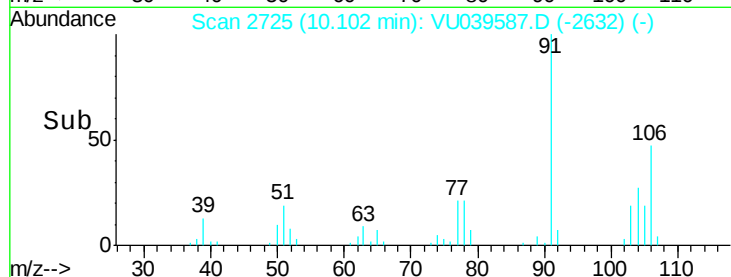
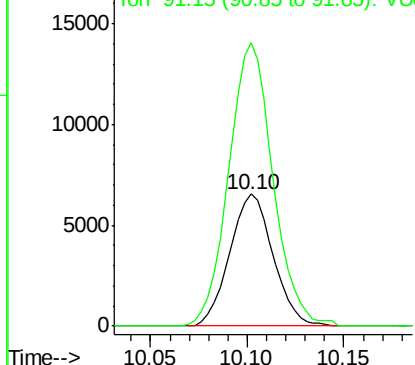
#54
o-Xylene
Concen: 0.773 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:106 Resp: 10197
Ion Ratio Lower Upper
106 100
91 214.7 157.4 292.4

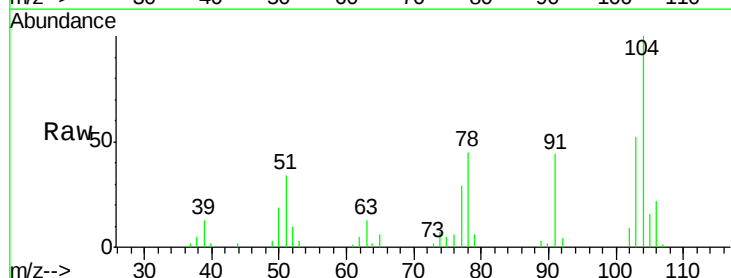


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

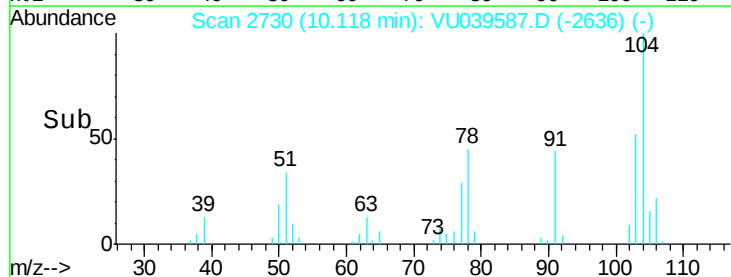
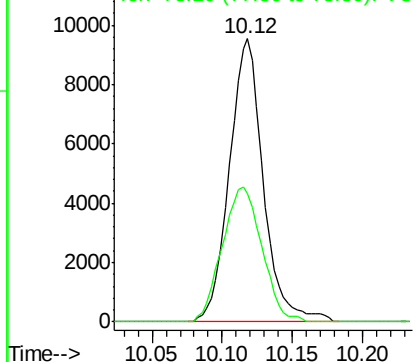


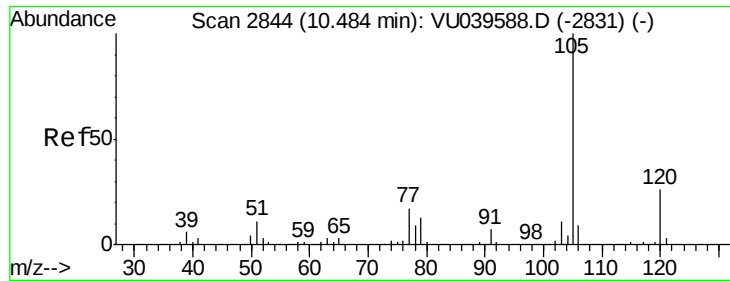
#55
Styrene
Concen: 0.701 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039587.D
Acq: 21 Jul 2020 09:45

Tgt Ion:104 Resp: 16100
Ion Ratio Lower Upper
104 100
78 45.5 34.4 64.0



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





#56

Isopropylbenzene

Concen: 0.727 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

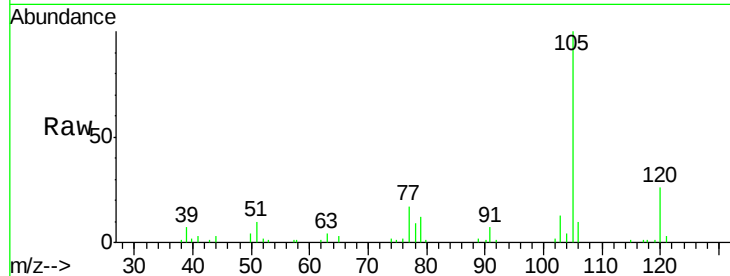
Tgt Ion: 105 Resp: 25959

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

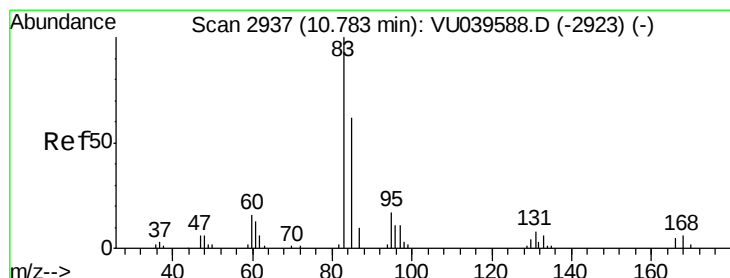
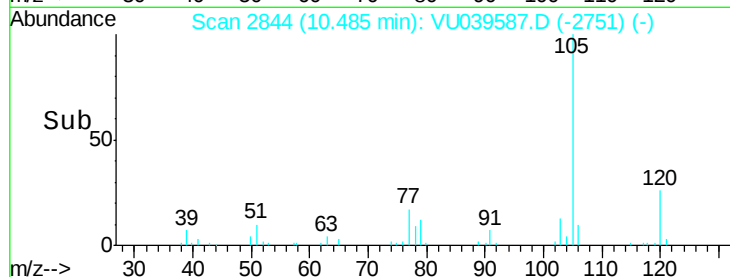
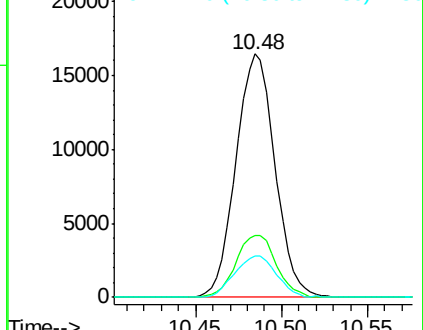
77 18.0 13.6 20.4



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: 0.768 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

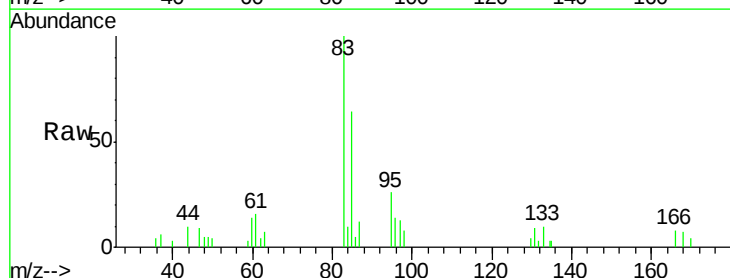
Tgt Ion: 83 Resp: 6320

Ion Ratio Lower Upper

83 100

85 63.9 43.5 80.9

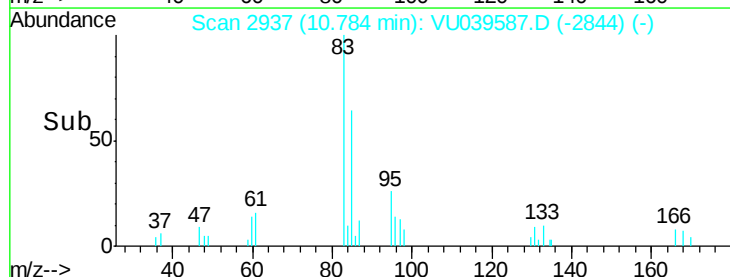
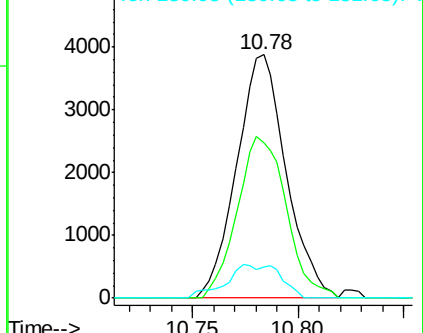
131 12.8 7.4 11.0#

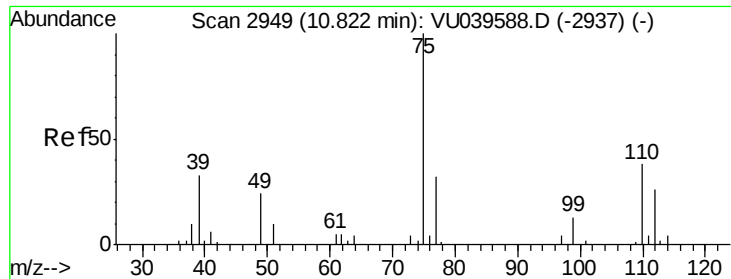


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

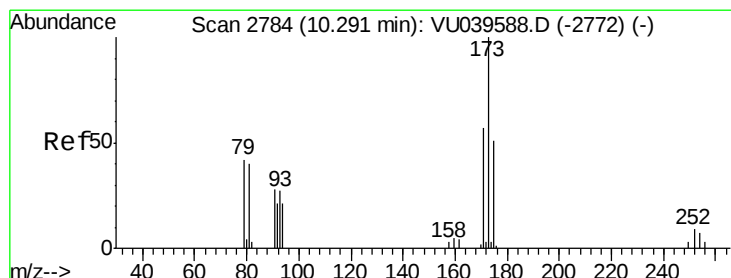
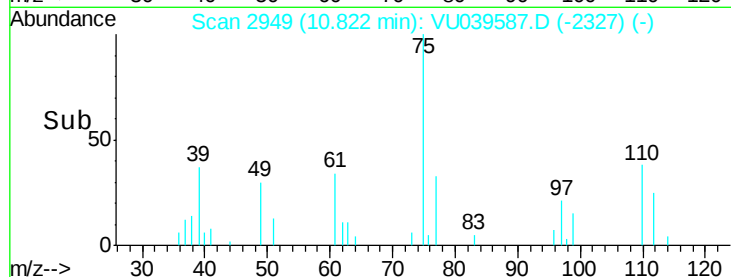
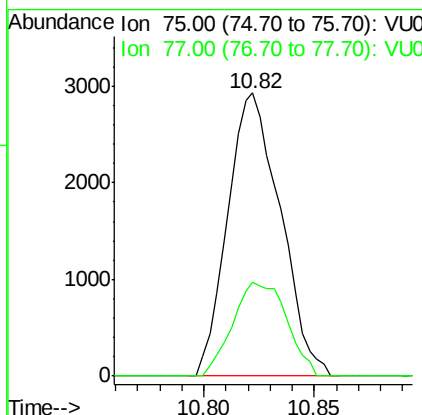
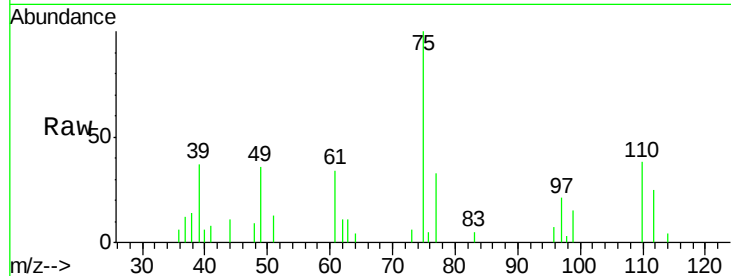




#59
 1,2,3-Trichloropropane
 Concen: 0.794 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

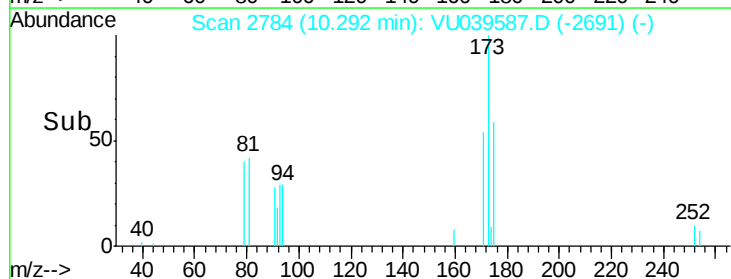
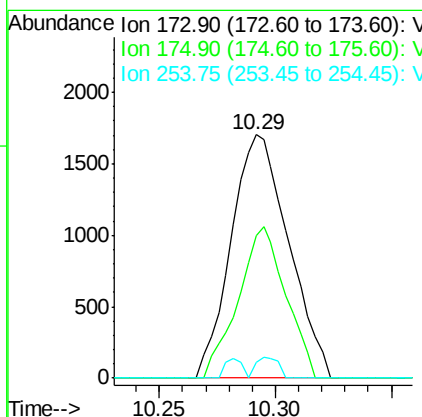
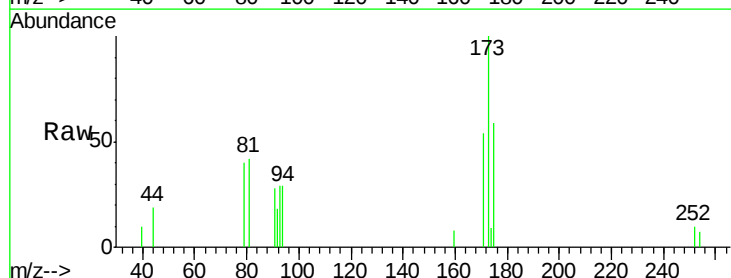
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

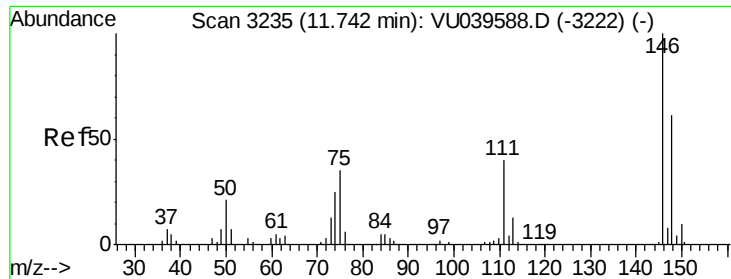
Tgt Ion: 75 Resp: 4837
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.5 38.3



#61
 Bromoform
 Concen: 0.733 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Tgt Ion: 173 Resp: 2932
 Ion Ratio Lower Upper
 173 100
 175 51.6 39.9 59.9
 254 3.4 6.5 9.7#

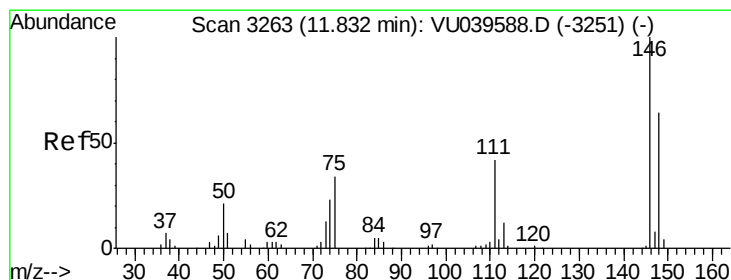
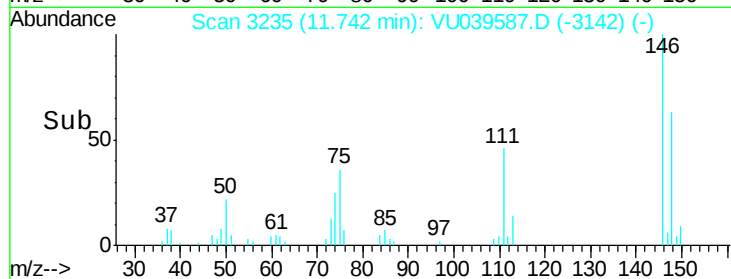
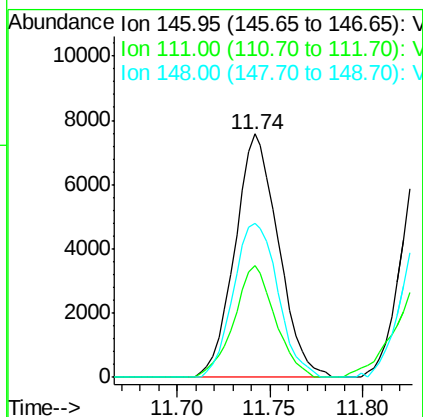
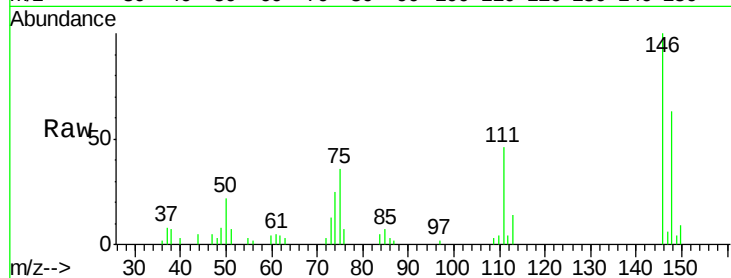




#62
 1,3-Dichlorobenzene
 Concen: 0.826 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

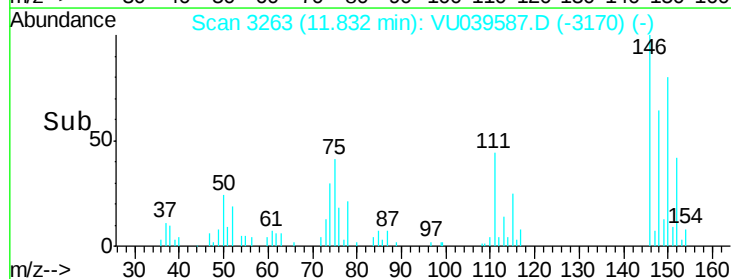
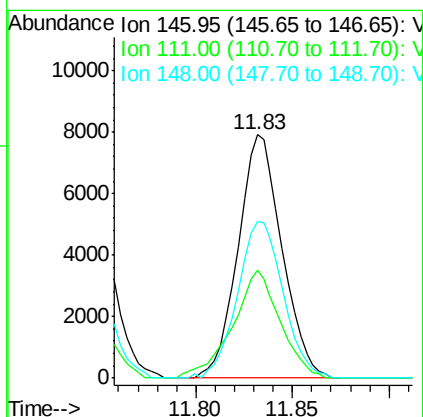
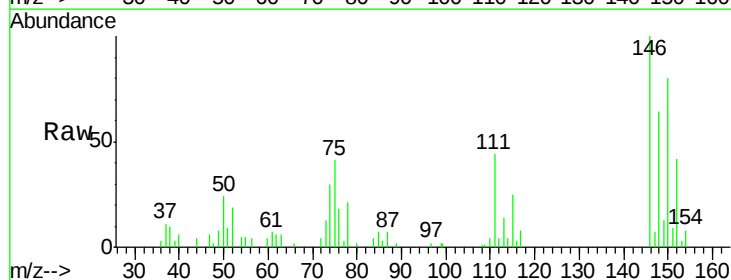
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

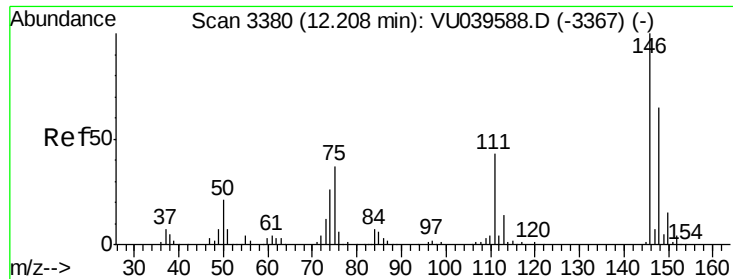
Tgt Ion:146 Resp: 12357
 Ion Ratio Lower Upper
 146 100
 111 45.8 27.9 51.9
 148 63.4 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 0.827 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Tgt Ion:146 Resp: 12443
 Ion Ratio Lower Upper
 146 100
 111 44.1 29.9 55.5
 148 64.4 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 0.791 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

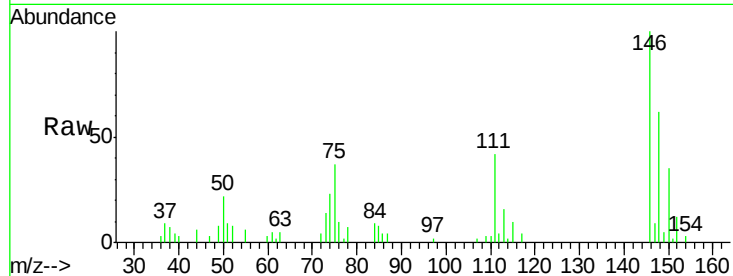
Tgt Ion:146 Resp: 11838

Ion Ratio Lower Upper

146 100

111 41.8 34.3 51.5

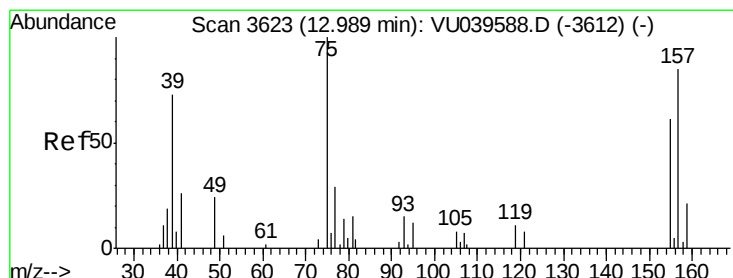
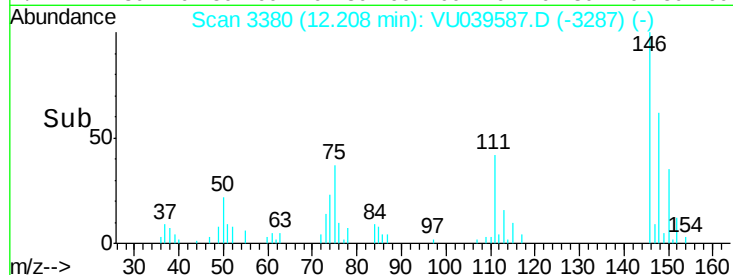
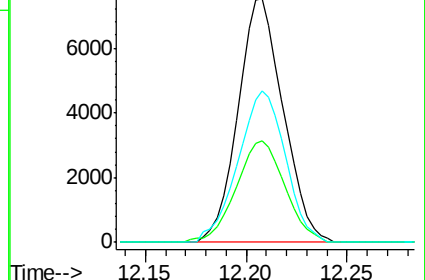
148 62.4 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.656 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

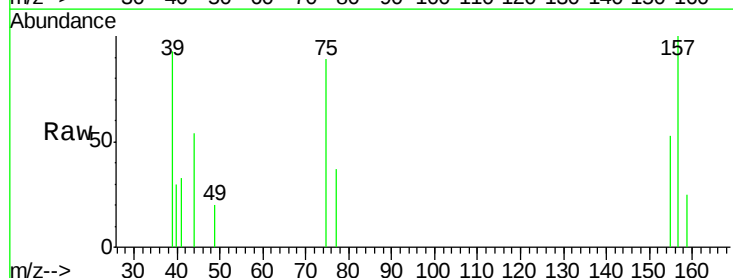
Tgt Ion: 75 Resp: 858

Ion Ratio Lower Upper

75 100

155 59.3 48.4 72.6

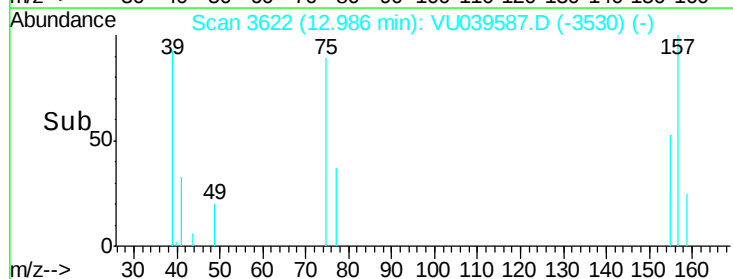
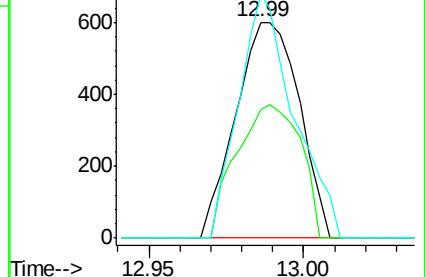
157 112.8 68.2 102.2#

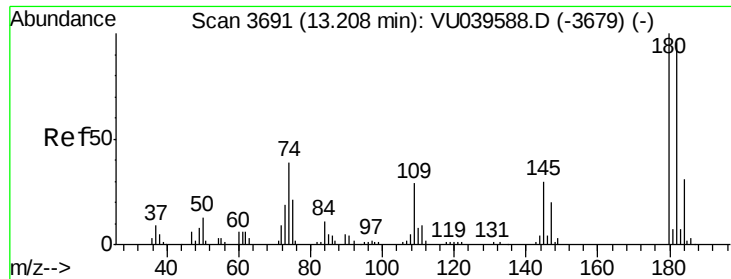


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

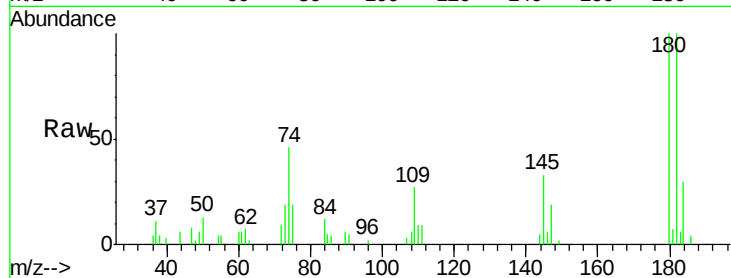




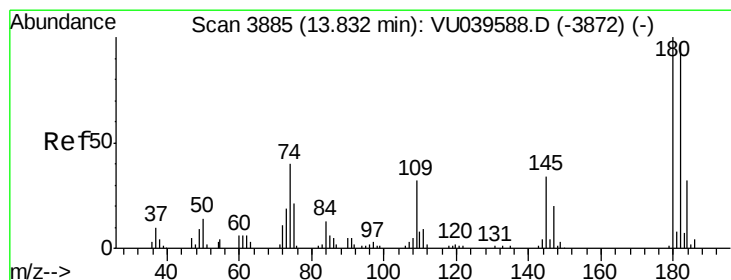
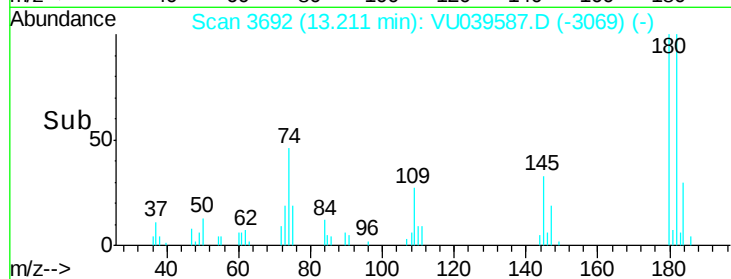
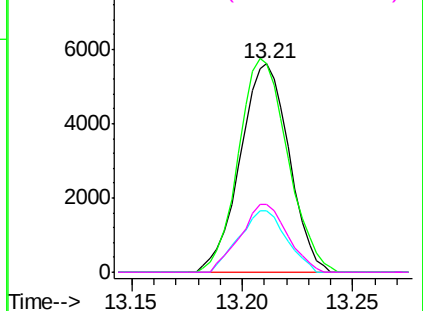
#67
 1,3,5-Trichlorobenzene
 Concen: 0.771 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:180 Resp: 8627
 Ion Ratio Lower Upper
 180 100
 182 103.5 76.5 114.7
 184 28.7 24.8 37.2
 145 31.7 23.8 35.8

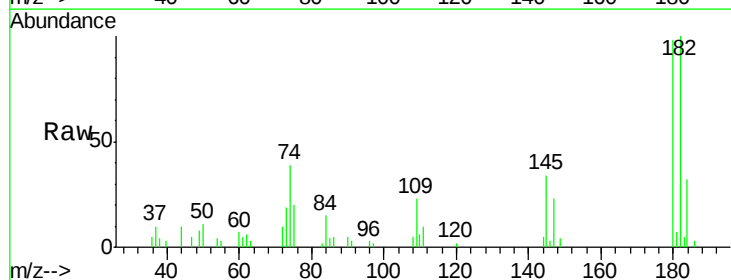


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

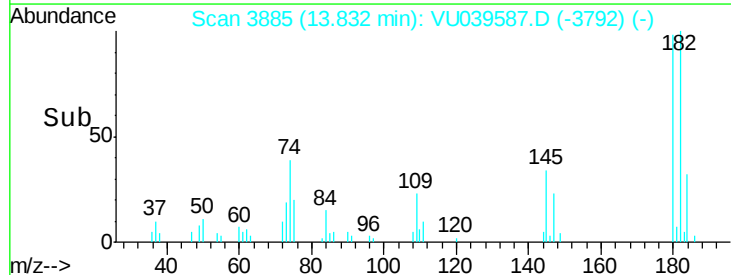
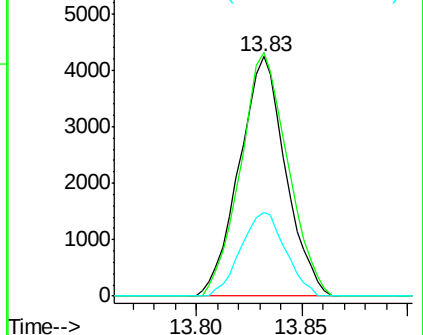


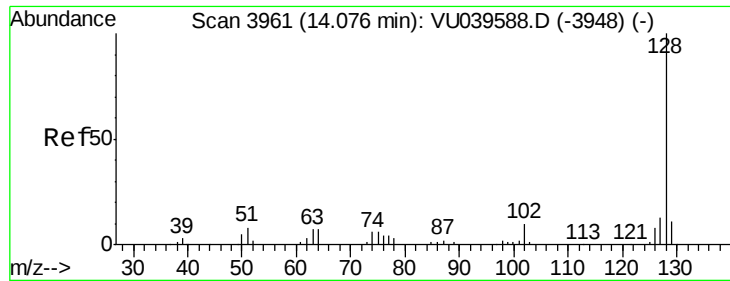
#68
 1,2,4-trichlorobenzene
 Concen: 0.685 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039587.D
 Acq: 21 Jul 2020 09:45

Tgt Ion:180 Resp: 6483
 Ion Ratio Lower Upper
 180 100
 182 103.3 78.8 118.2
 145 33.5 26.7 40.1



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: 0.525 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

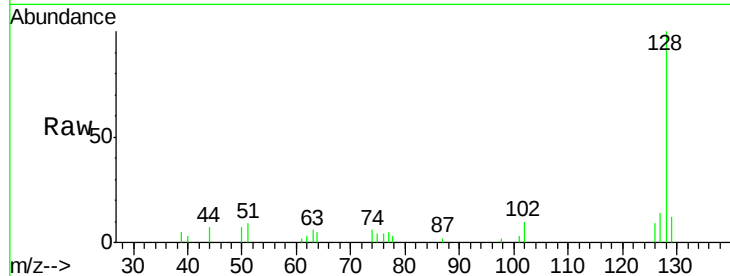
Tgt Ion:128 Resp: 9794

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

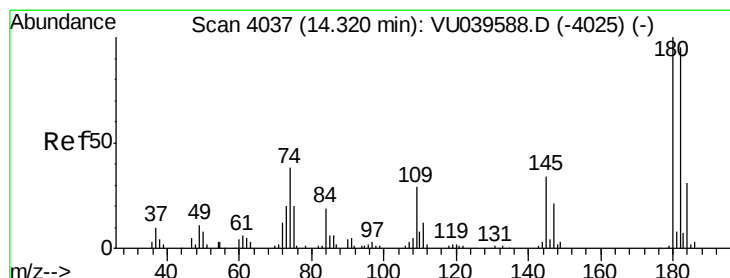
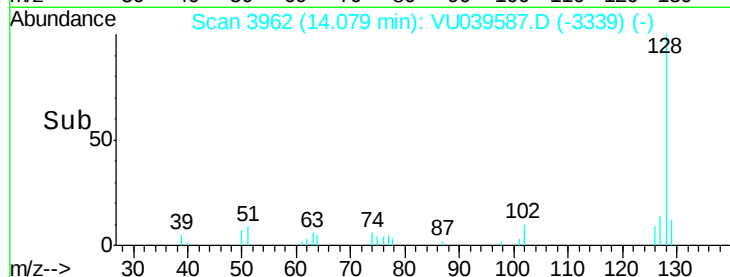
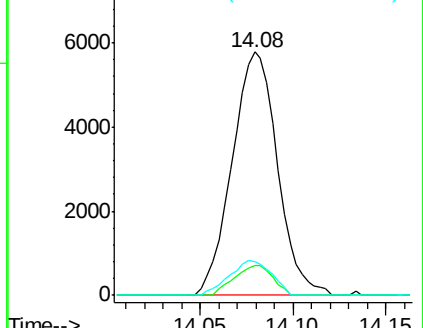
127 13.2 10.6 16.0



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: 0.683 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039587.D

Acq: 21 Jul 2020 09:45

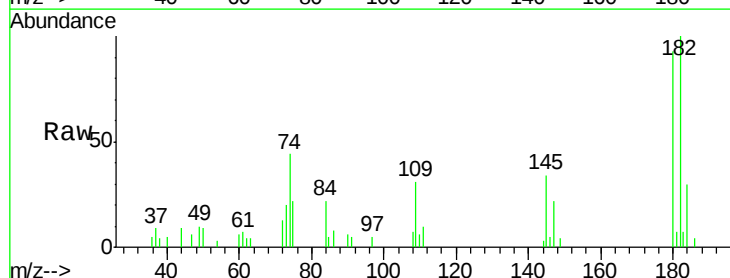
Tgt Ion:180 Resp: 5941

Ion Ratio Lower Upper

180 100

182 98.1 78.0 117.0

145 33.6 28.4 42.6



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

