

Data File : VU039181.D
Acq On : 29 Jun 2020 10:21
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Quant Time: Jun 29 10:39:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 29 09:55:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	234164	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	236002	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	117592	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	111736	6.52	ug/L	0.00
7) Chloroethane-d5	1.93	69	87820	6.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	207625	6.30	ug/L	0.00
20) 2-Butanone-d5	4.68	46	344605	55.68	ug/L	0.00
24) Chloroform-d	5.10	84	200213	5.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	118783	5.73	ug/L	0.00
32) Benzene-d6	5.76	84	380894	5.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	120200	5.46	ug/L	0.00
41) Toluene-d8	7.92	98	337665	6.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	57532	6.02	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	272300	55.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	127777	6.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	122019	5.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	119475	5.701 ug/L	100
3) Chloromethane	1.53	50	117326	5.202 ug/L	95
5) Vinyl chloride	1.62	62	120719	5.307 ug/L	100
6) Bromomethane	1.88	94	64284	5.249 ug/L	100
8) Chloroethane	1.95	64	72216	5.268 ug/L	100
9) Trichlorofluoromethane	2.16	101	163457	5.613 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	92376	5.449 ug/L	99
12) 1,1-Dichloroethene	2.61	96	85775	5.289 ug/L	93
13) Acetone	2.68	43	197161	46.916 ug/L	99
14) Carbon disulfide	2.82	76	304540	5.632 ug/L	98
15) Methyl Acetate	2.99	43	49637	4.975 ug/L	98
16) Methylene chloride	3.08	84	101203	5.058 ug/L	100
17) Methyl tert-butyl Ether	3.40	73	235550	5.102 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	92148	5.310 ug/L	97
19) 1,1-Dichloroethane	3.91	63	177633	5.149 ug/L	99
21) 2-Butanone	4.76	43	327446	51.249 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	94953	5.071 ug/L	95
23) Bromochloromethane	5.02	128	44659	5.182 ug/L	99
25) Chloroform	5.12	83	177207	5.113 ug/L	97
27) 1,2-Dichloroethane	5.83	62	128958	5.222 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	156975	5.330 ug/L	99
30) Cyclohexane	5.42	56	149688	5.462 ug/L	97
31) Carbon tetrachloride	5.56	117	132916	5.419 ug/L	99
33) Benzene	5.81	78	382496	5.158 ug/L	100
34) Trichloroethene	6.57	95	95938	5.349 ug/L	96
35) Methylcyclohexane	6.79	83	149115	5.603 ug/L	99
37) 1,2-Dichloropropane	6.82	63	101724	5.064 ug/L	100
38) Bromodichloromethane	7.13	83	131736	5.260 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	146537	5.263 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	750485	50.053 ug/L	99

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 29 09:55:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	395903	5.379	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	139516	5.355	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	74334	4.979	ug/L	94
47) Tetrachloroethene	8.57	164	70771	5.475	ug/L	96
48) 2-Hexanone	8.71	43	575611	52.366	ug/L	99
49) Dibromochloromethane	8.83	129	85095	5.241	ug/L	97
50) 1,2-Dibromoethane	8.94	107	73327	5.194	ug/L	96
51) Chlorobenzene	9.46	112	238408	5.146	ug/L	99
52) Ethylbenzene	9.59	91	409370	5.291	ug/L	100
53) m,p-Xylene	9.71	106	157632	5.541	ug/L	100
54) o-Xylene	10.11	106	149555	5.472	ug/L	100
55) Styrene	10.13	104	262659	5.473	ug/L	100
56) Isopropylbenzene	10.50	105	440929	6.158	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	119190	5.970	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	86201	5.691	ug/L	99
61) Bromoform	10.31	173	47914	4.988	ug/L #	100
62) 1,3-Dichlorobenzene	11.75	146	194305	5.557	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	187414	5.204	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	176653	5.039	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18591	4.807	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	132744	5.130	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	118353	5.021	ug/L	98
69) Naphthalene	14.11	128	220431	4.384	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	111744	4.912	ug/L	98

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

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Sample : VSTD005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

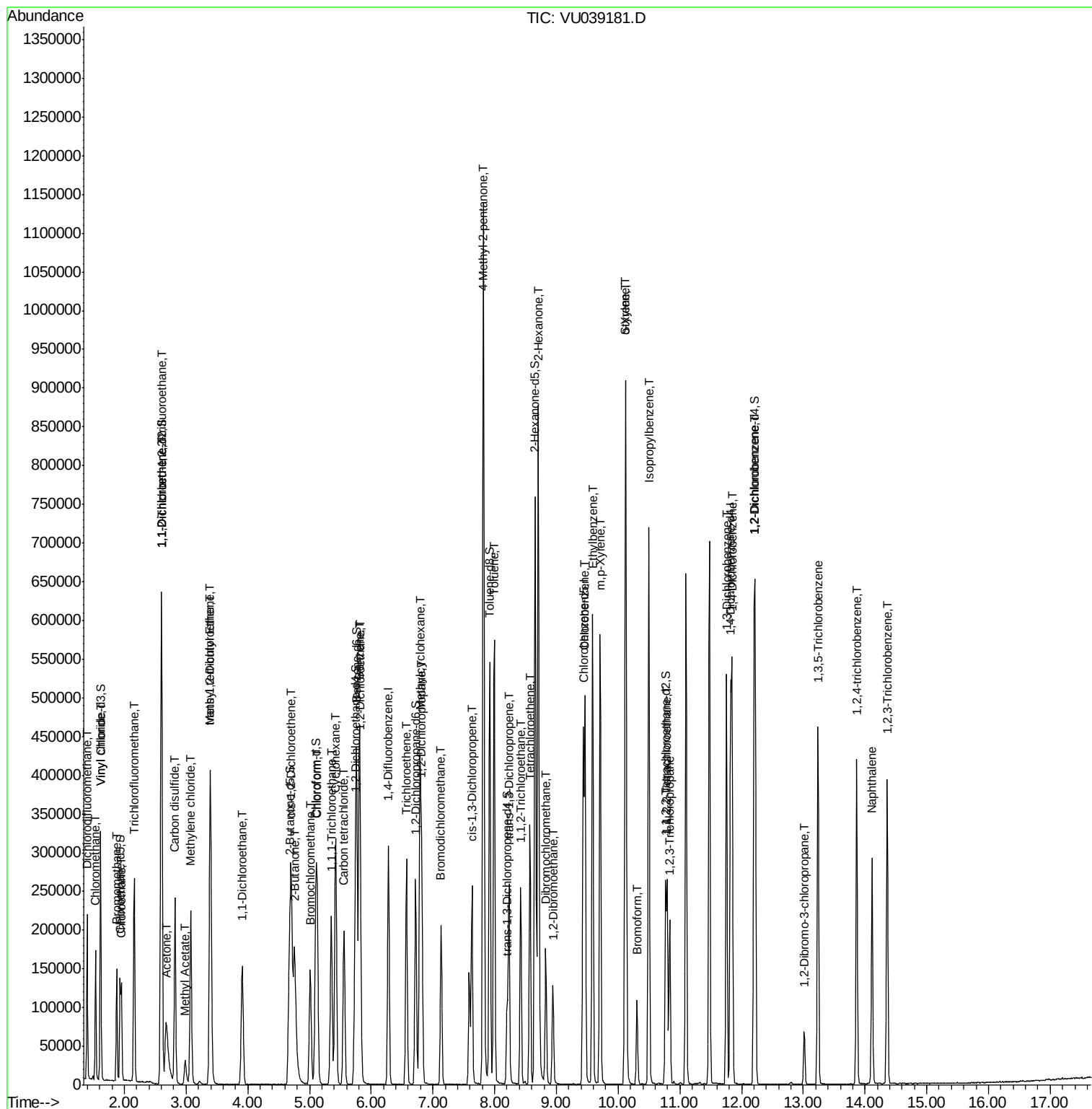
Quant Time: Jun 29 10:39:23 2020

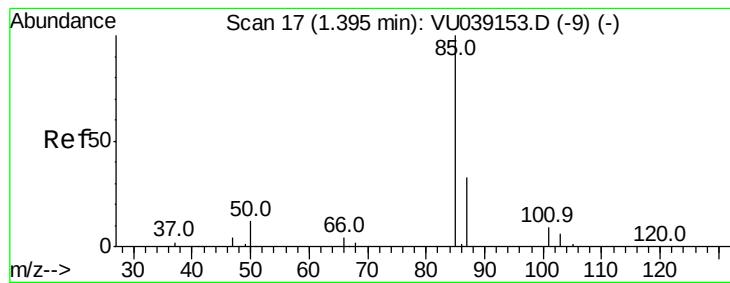
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR062920WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Jun 29 09:55:20 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.701 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

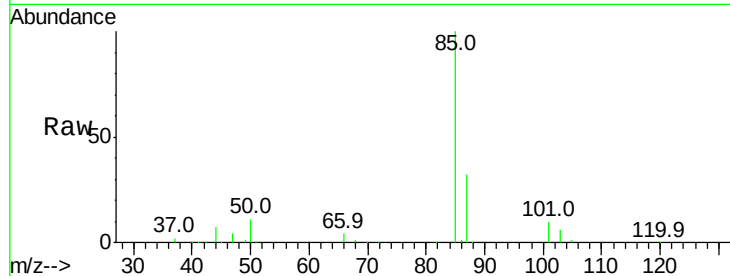
VSTD00504

Tgt Ion: 85 Resp: 119475

Ion Ratio Lower Upper

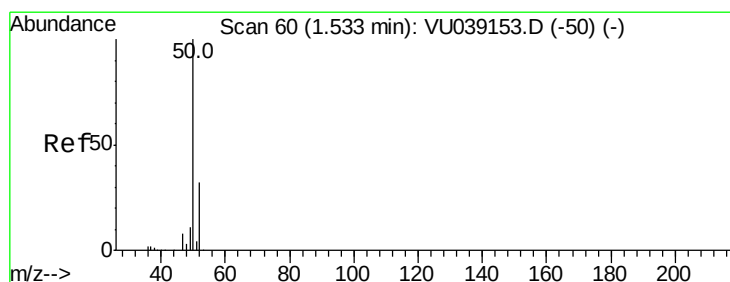
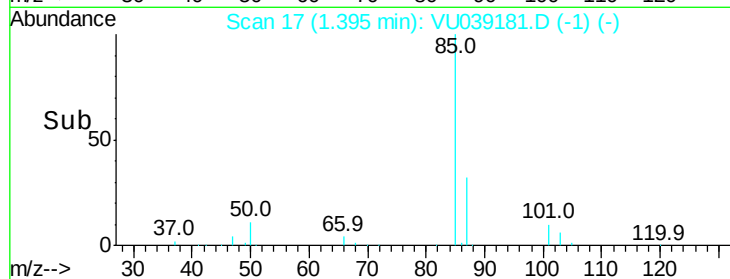
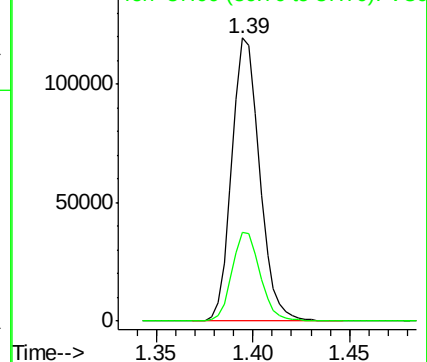
85 100

87 31.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.202 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU039181.D

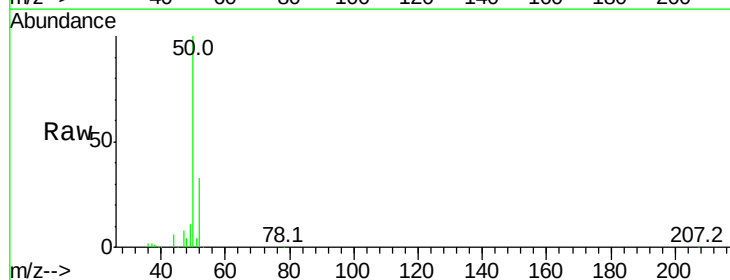
Acq: 29 Jun 2020 10:21

Tgt Ion: 50 Resp: 117326

Ion Ratio Lower Upper

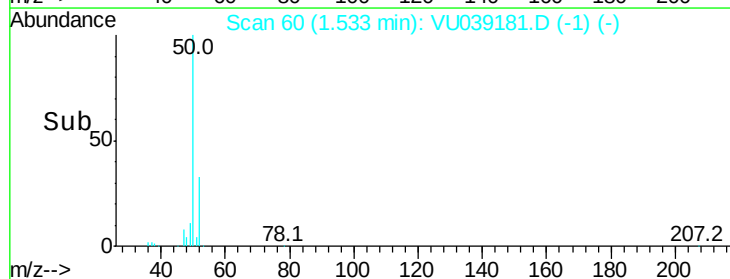
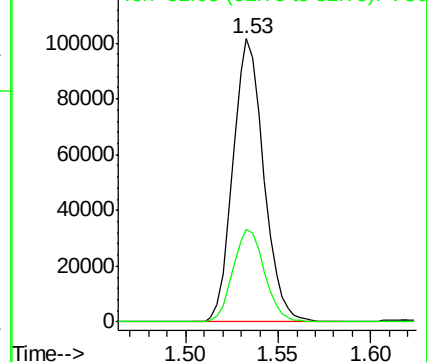
50 100

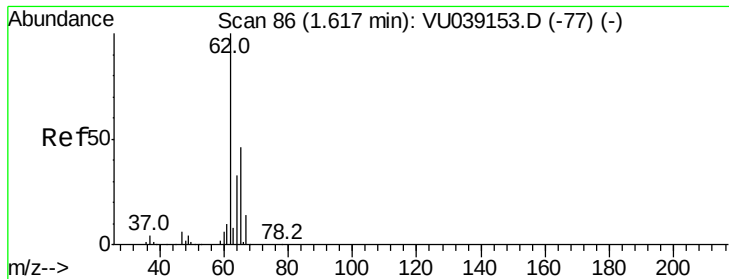
52 32.7 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.307 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

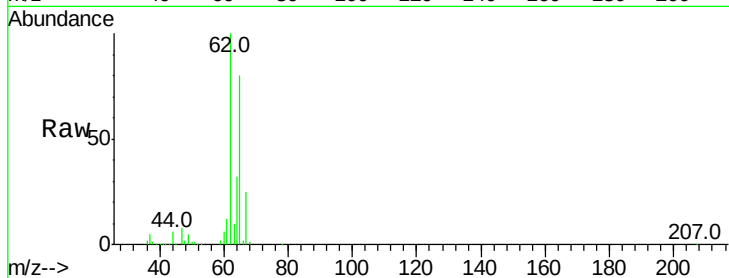
VSTD00504

Tgt Ion: 62 Resp: 120719

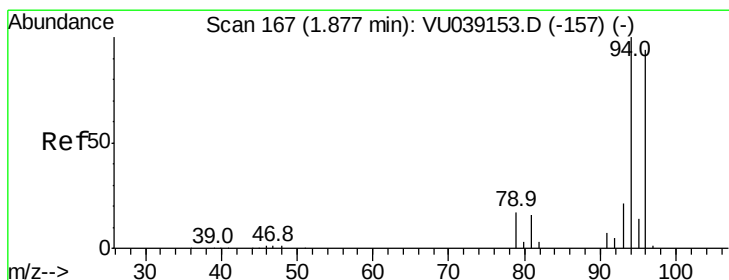
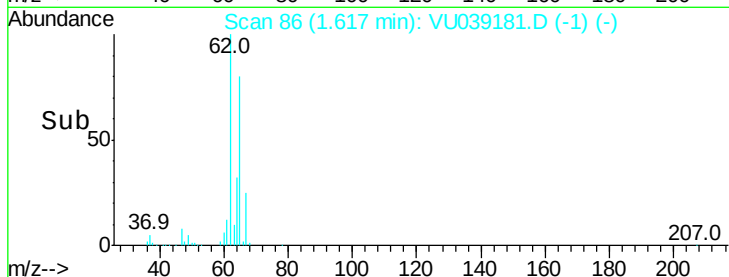
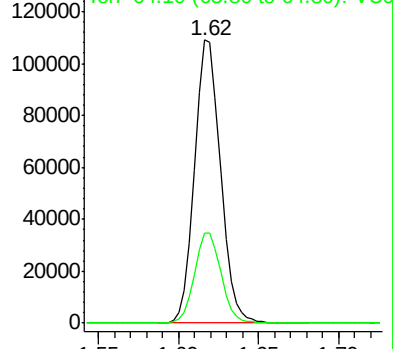
Ion Ratio Lower Upper

62 100

64 31.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039181.D (-1) (-)



#6

Bromomethane

Concen: 5.249 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU039181.D

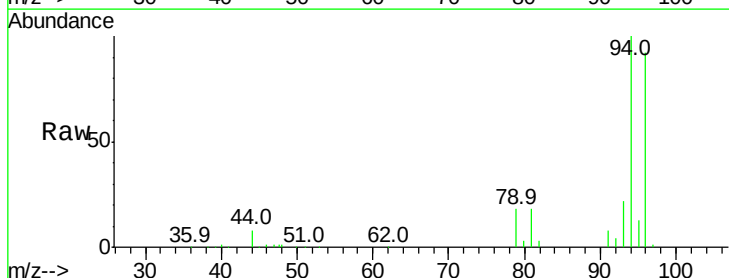
Acq: 29 Jun 2020 10:21

Tgt Ion: 94 Resp: 64284

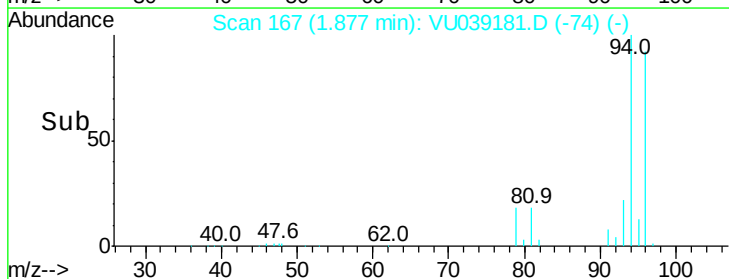
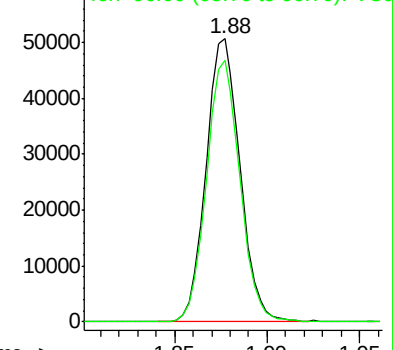
Ion Ratio Lower Upper

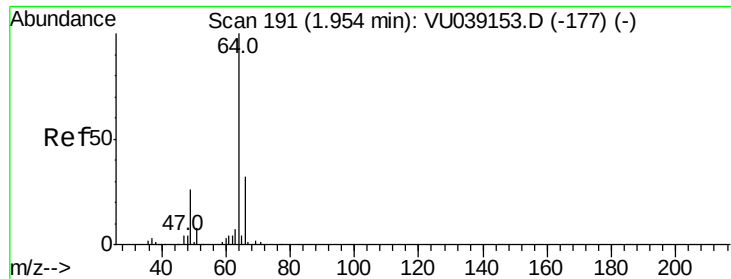
94 100

96 92.2 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039181.D (-74) (-)

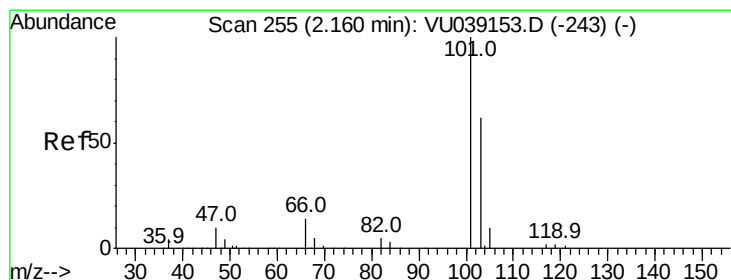
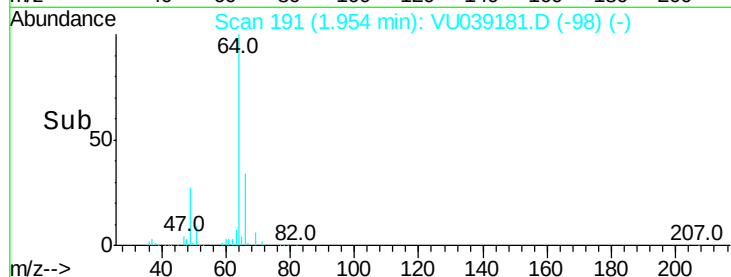
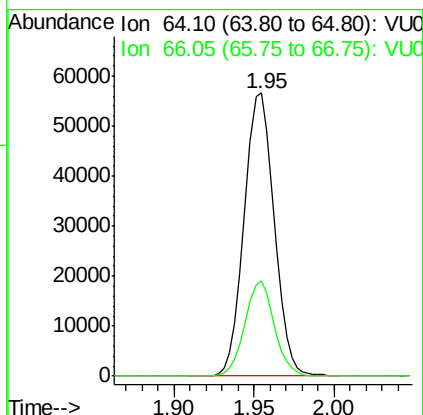
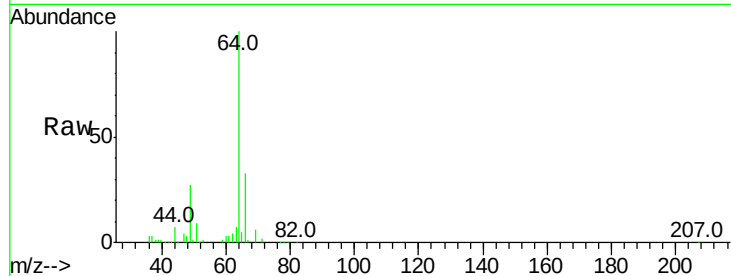




#8
Chloroethane
Concen: 5.268 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

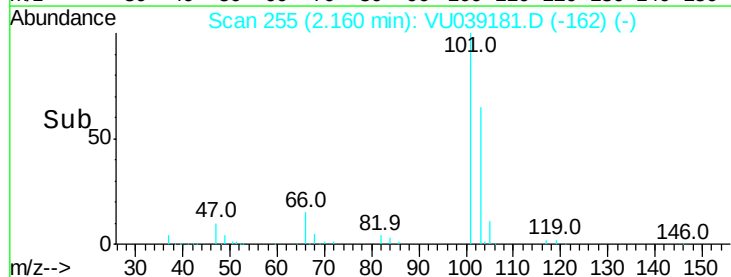
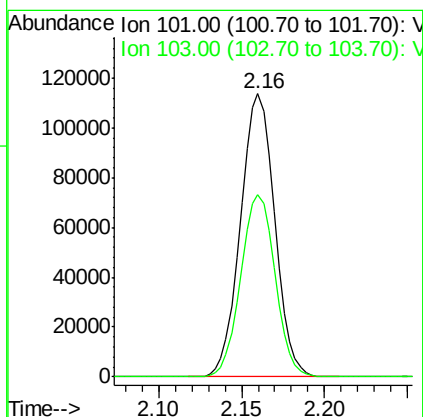
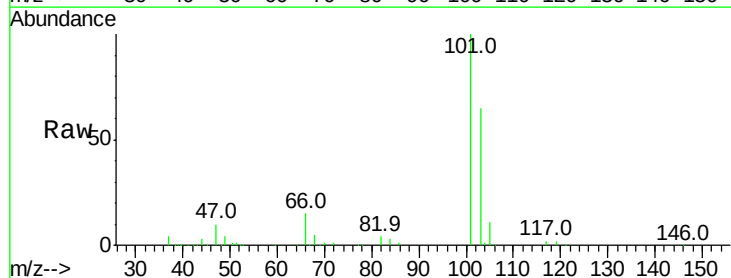
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

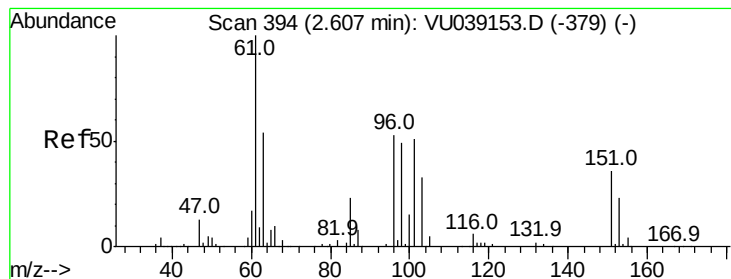
Tgt Ion: 64 Resp: 72216
Ion Ratio Lower Upper
64 100
66 33.5 23.4 43.4



#9
Trichlorofluoromethane
Concen: 5.613 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

Tgt Ion: 101 Resp: 163457
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.0





#10

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

Concen: 5.449 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

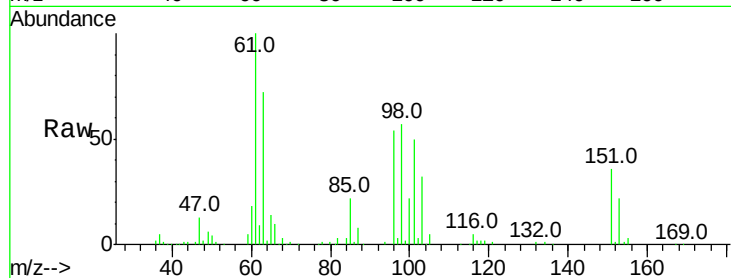
Tgt Ion:101 Resp: 92376

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.4

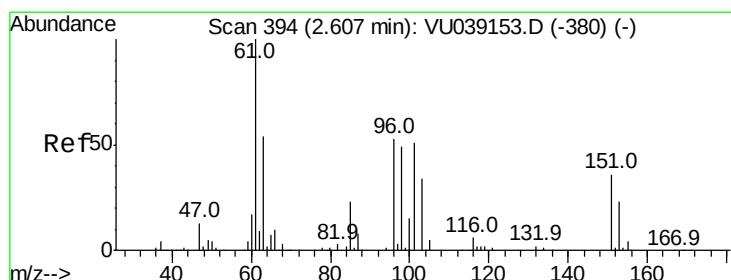
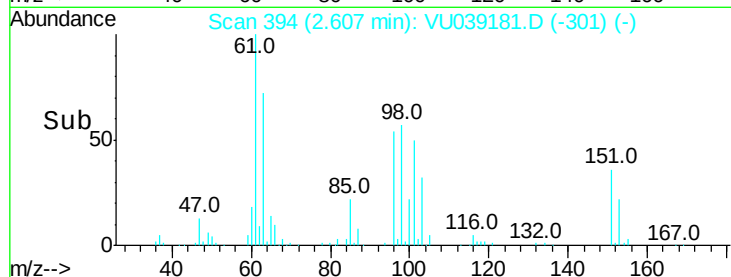
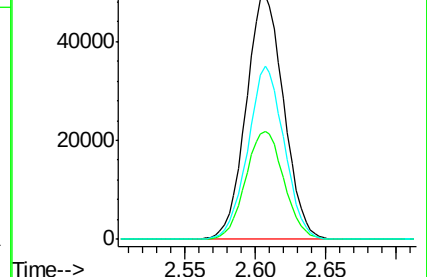
151 68.4 55.0 82.6



Abundance Ion 101.00 (100.70 to 101.70): VU039181.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU039181.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU039181.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 5.289 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

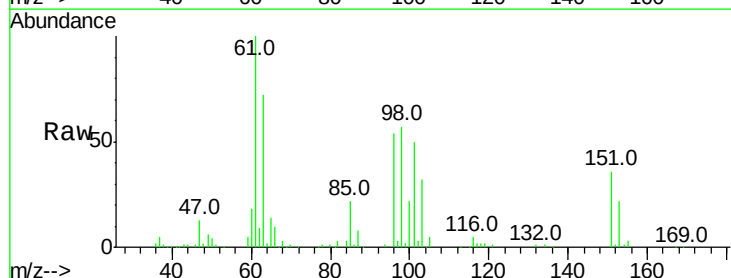
Tgt Ion: 96 Resp: 85775

Ion Ratio Lower Upper

96 100

61 183.9 125.1 232.3

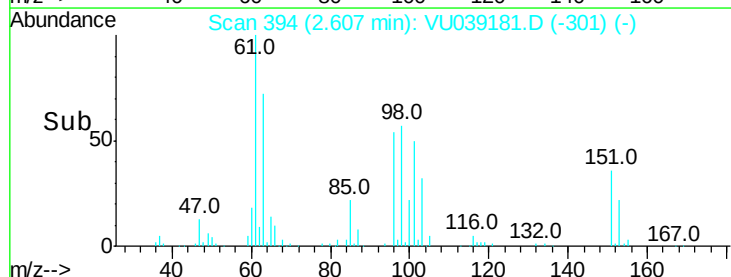
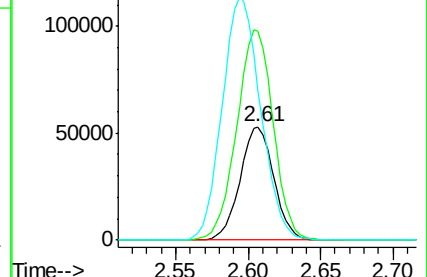
63 131.8 82.3 152.8

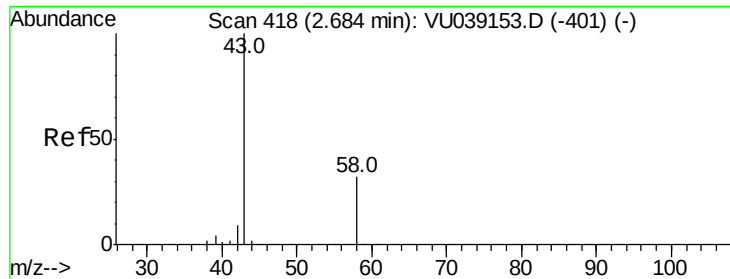


Abundance Ion 96.00 (95.70 to 96.70): VU039181.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU039181.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU039181.D (-301) (-)





#13

Acetone

Concen: 46.916 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

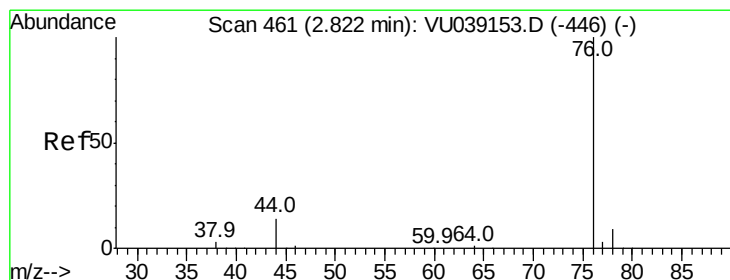
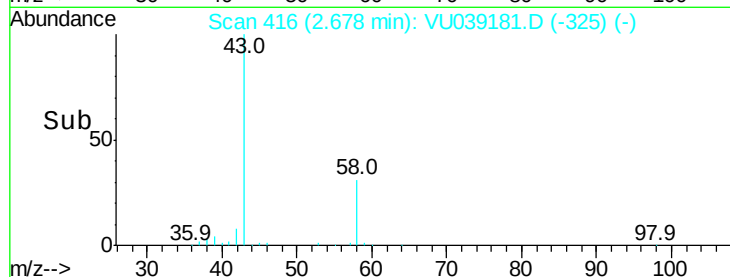
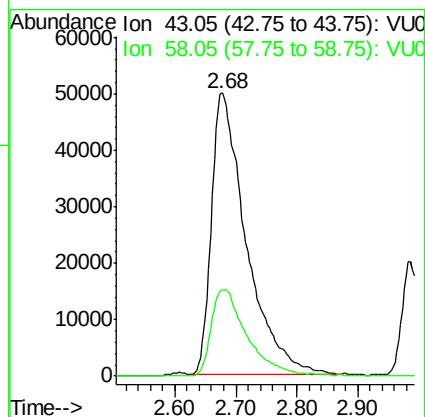
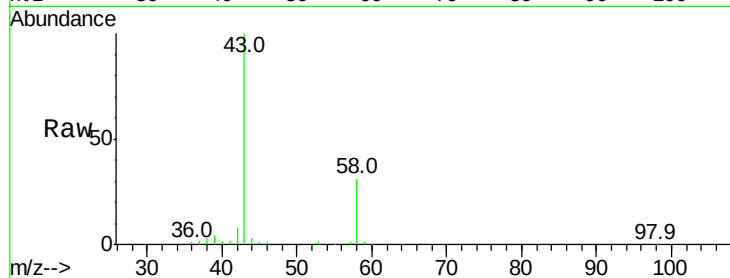
VSTD00504

Tgt Ion: 43 Resp: 197161

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.4



#14

Carbon disulfide

Concen: 5.632 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU039181.D

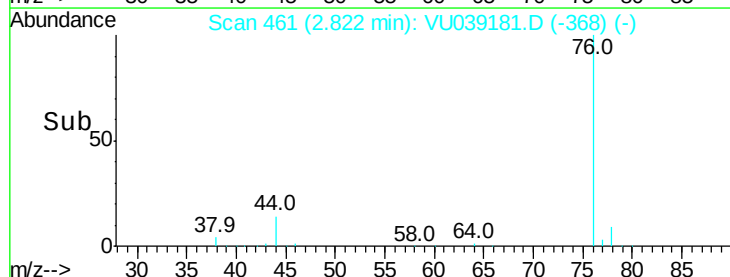
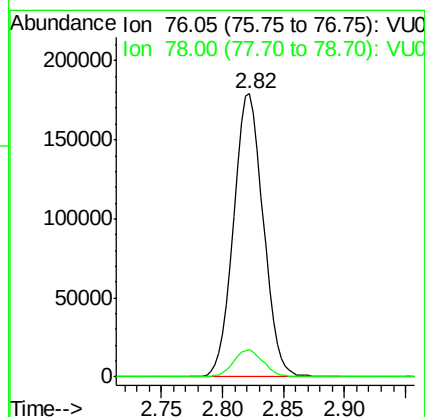
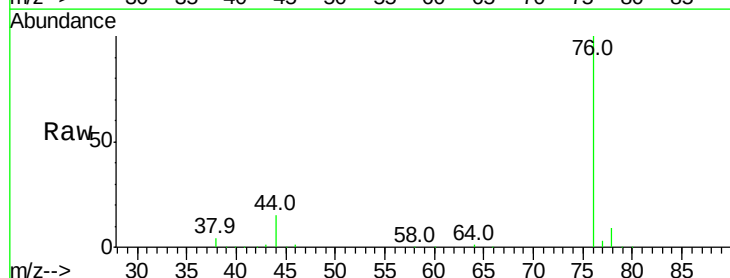
Acq: 29 Jun 2020 10:21

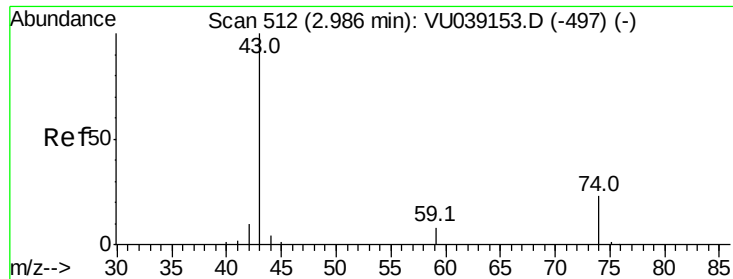
Tgt Ion: 76 Resp: 304540

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

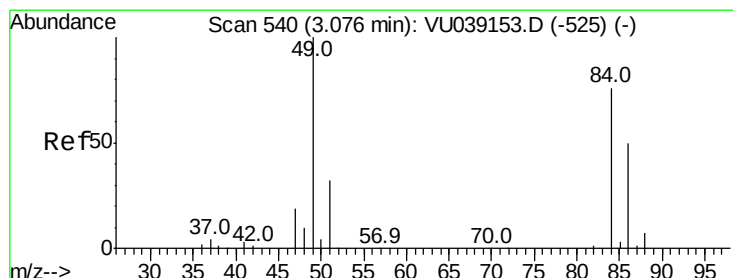
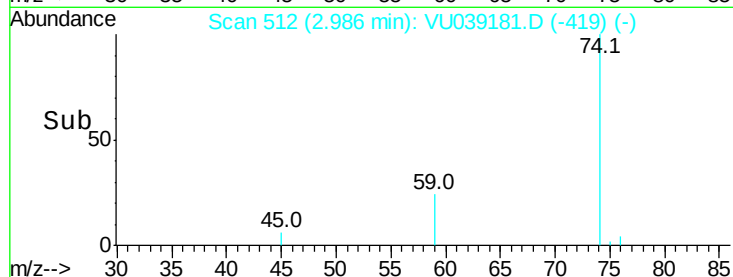
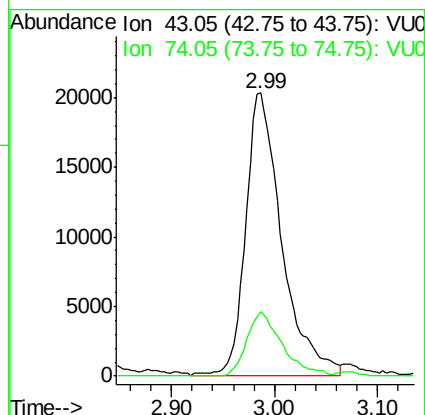
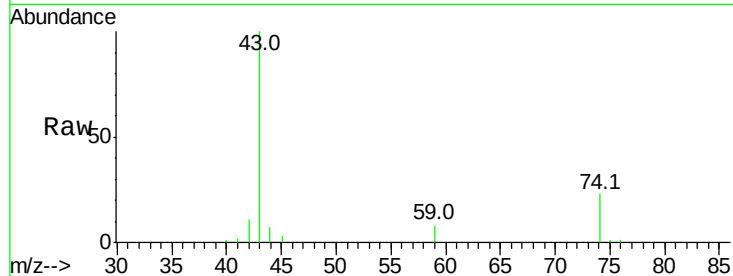




#15
Methyl Acetate
Concen: 4.975 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

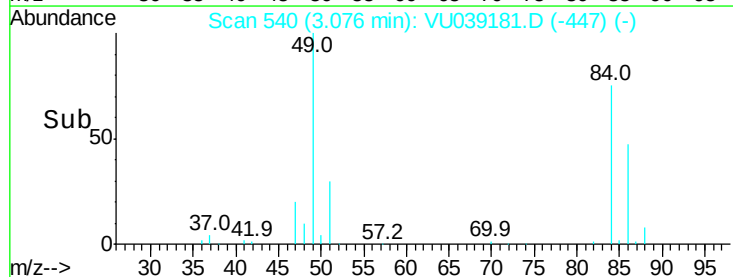
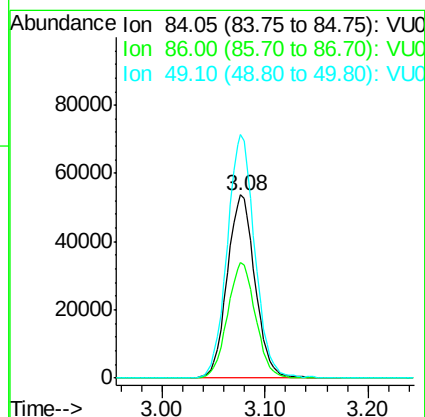
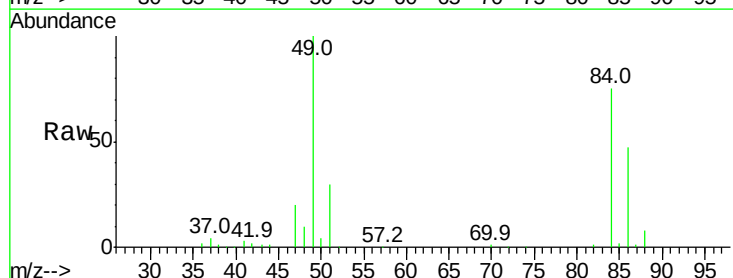
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

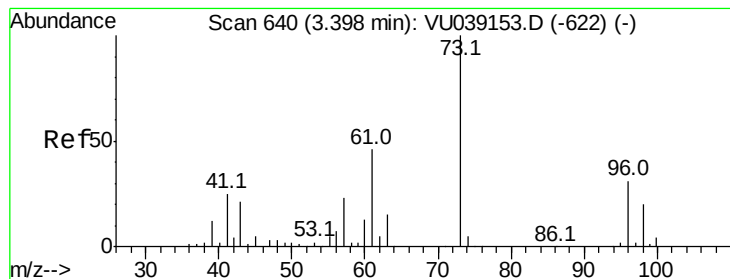
Tgt Ion: 43 Resp: 49637
Ion Ratio Lower Upper
43 100
74 22.2 17.0 25.4



#16
Methylene chloride
Concen: 5.058 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

Tgt Ion: 84 Resp: 101203
Ion Ratio Lower Upper
84 100
86 63.2 44.1 81.9
49 133.1 93.1 172.9





#17

Methyl tert-butyl Ether

Concen: 5.102 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

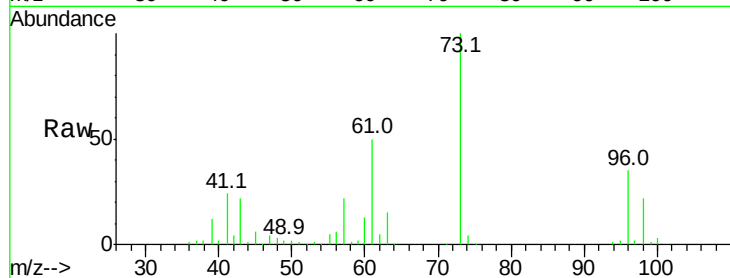
Tgt Ion: 73 Resp: 235550

Ion Ratio Lower Upper

73 100

43 21.7 16.6 24.8

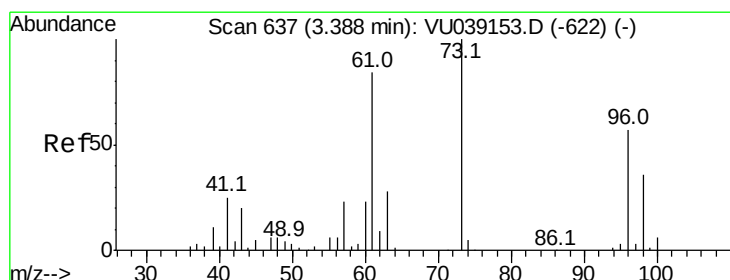
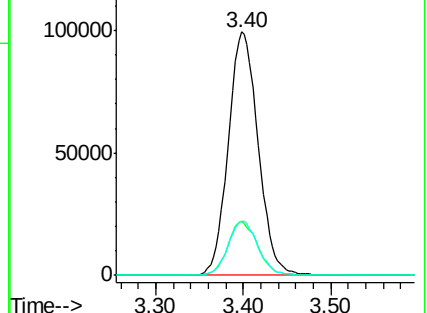
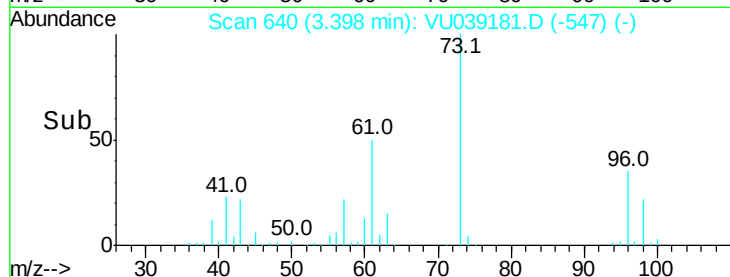
57 22.4 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VU039181.D (-547) (-)

Ion 43.05 (42.75 to 43.75): VU039181.D (-547) (-)

Ion 57.10 (56.80 to 57.80): VU039181.D (-547) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.310 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

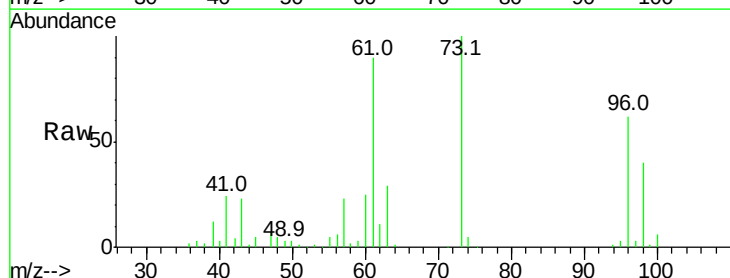
Tgt Ion: 96 Resp: 92148

Ion Ratio Lower Upper

96 100

61 143.6 103.5 192.3

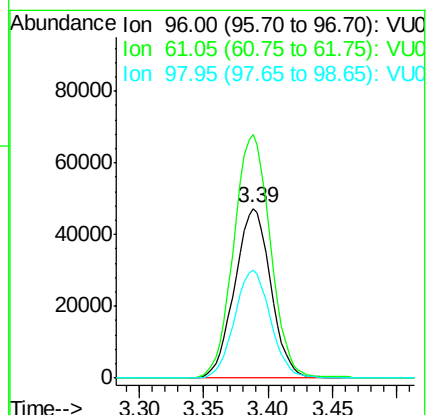
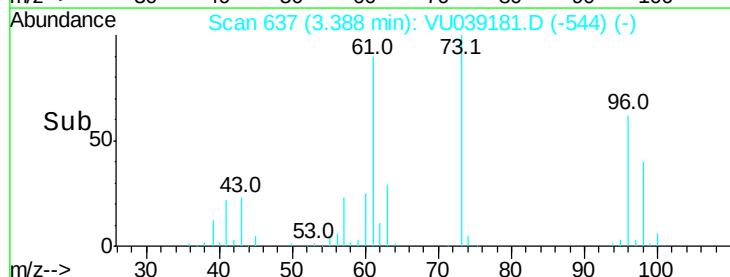
98 63.9 44.9 83.5

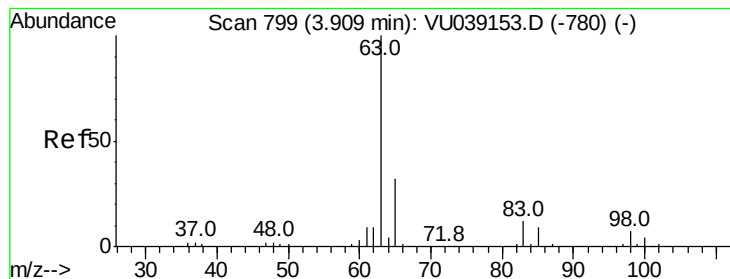


Abundance Ion 96.00 (95.70 to 96.70): VU039181.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU039181.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU039181.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 5.149 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

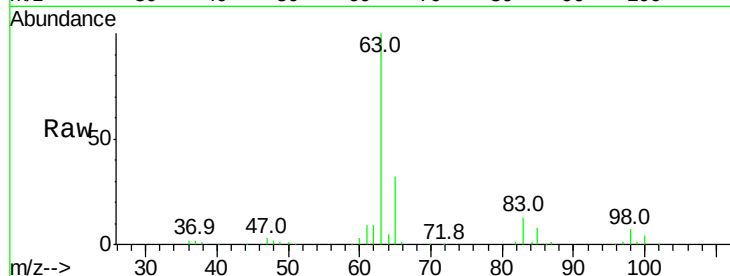
Tgt Ion: 63 Resp: 177633

Ion Ratio Lower Upper

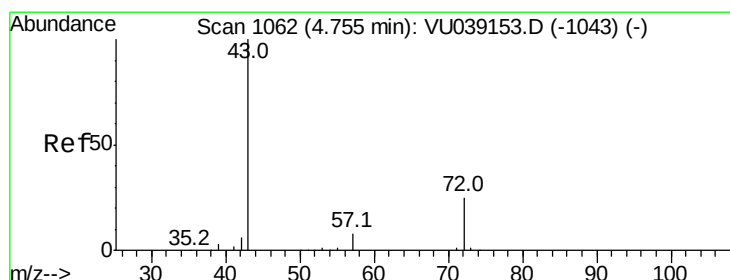
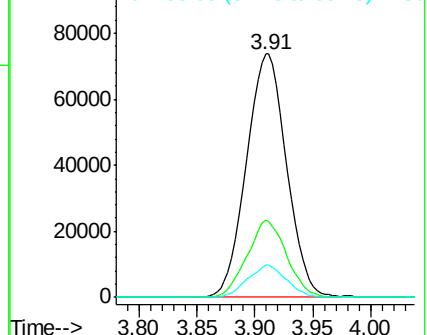
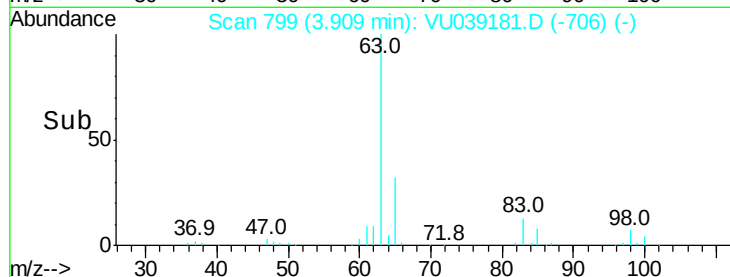
63 100

65 32.0 22.1 41.1

83 13.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU039181.D (-706) (-)



#21

2-Butanone

Concen: 51.249 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU039181.D

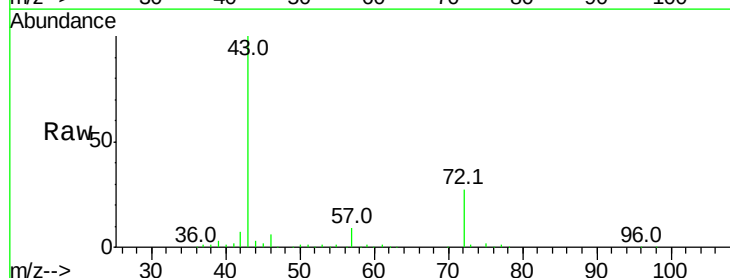
Acq: 29 Jun 2020 10:21

Tgt Ion: 43 Resp: 327446

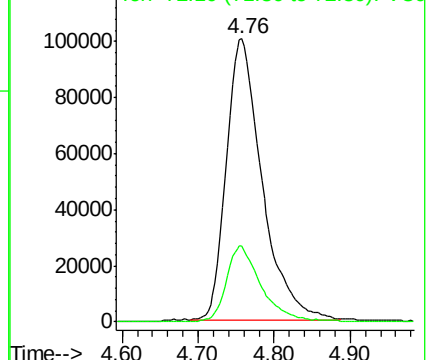
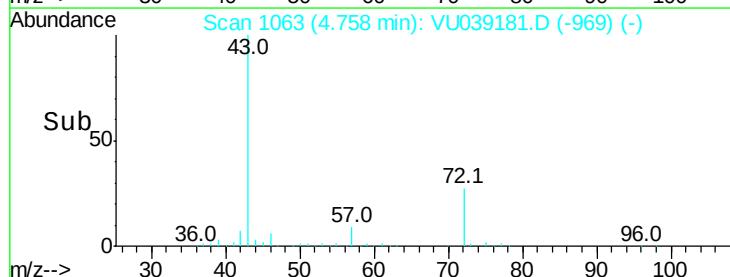
Ion Ratio Lower Upper

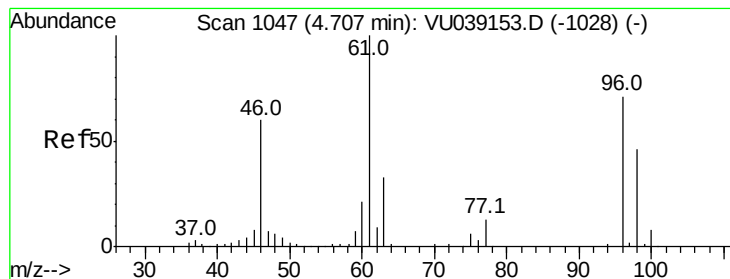
43 100

72 26.4 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU039181.D (-969) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.071 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

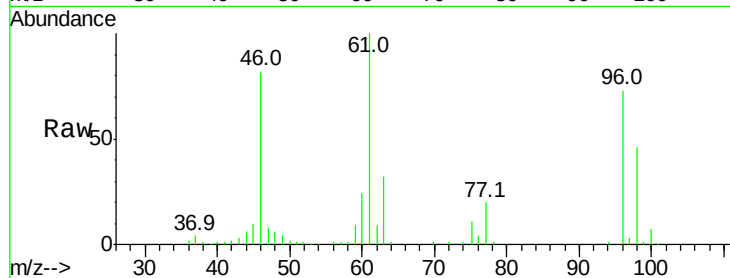
Tgt Ion: 96 Resp: 94953

Ion Ratio Lower Upper

96 100

61 137.6 100.8 187.2

68 0.0 0.0 0.0

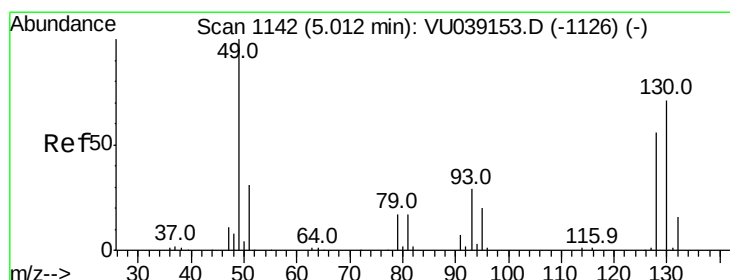
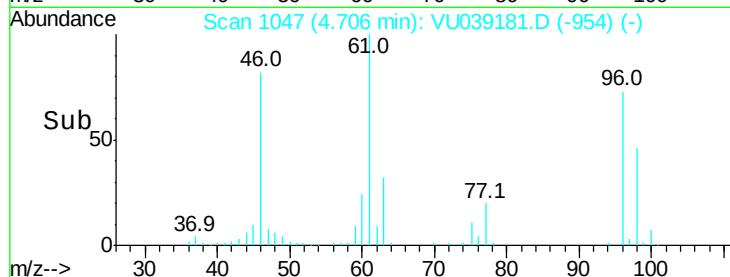
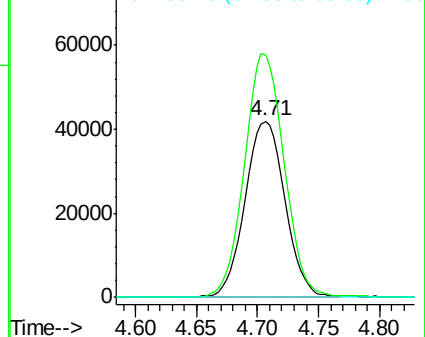


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.182 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Tgt Ion: 128 Resp: 44659

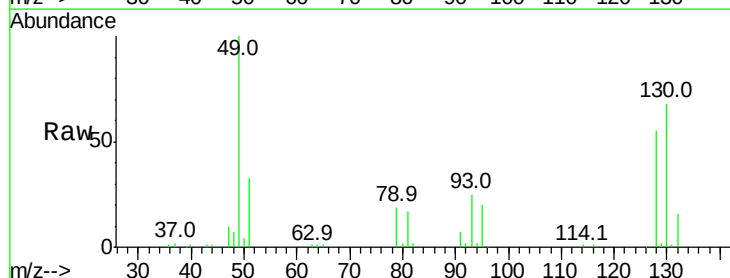
Ion Ratio Lower Upper

128 100

49 181.0 127.3 236.5

130 123.2 84.4 156.7

51 59.4 47.5 71.3



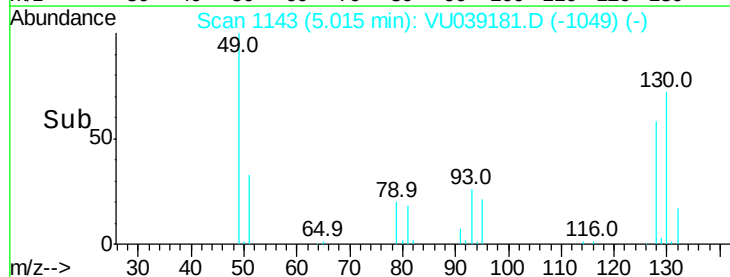
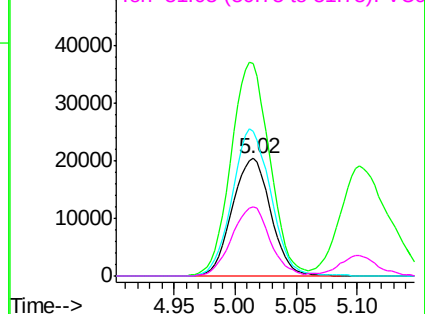
Abundance

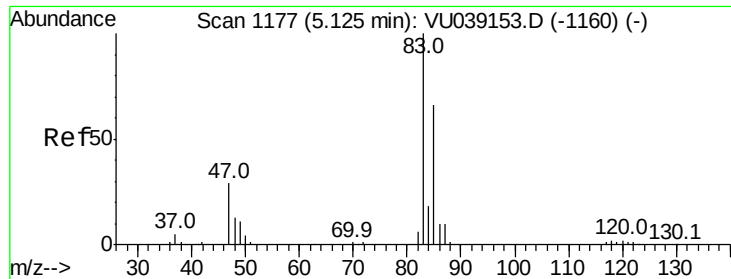
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

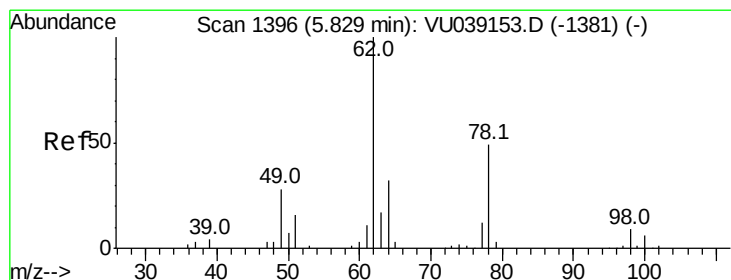
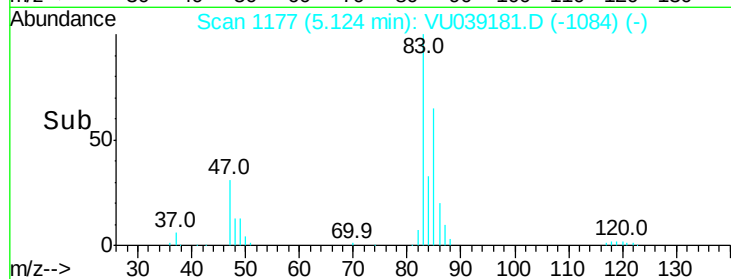
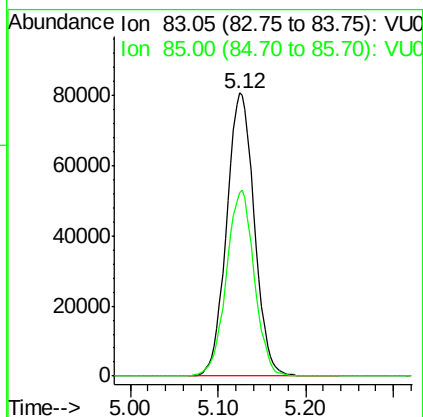
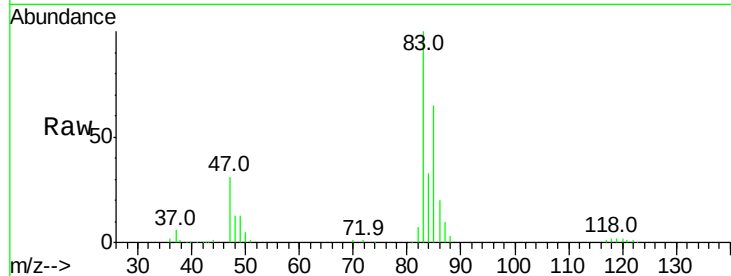




#25
Chloroform
Concen: 5.113 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

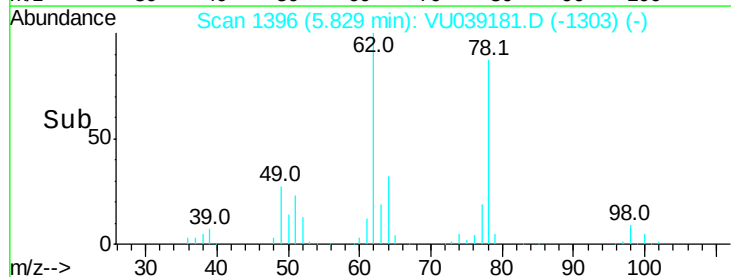
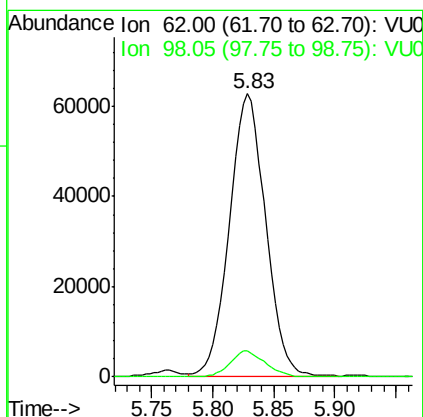
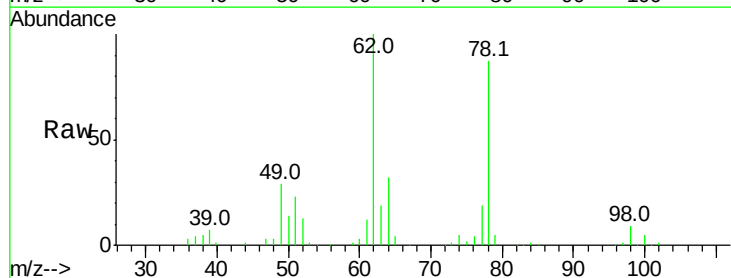
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

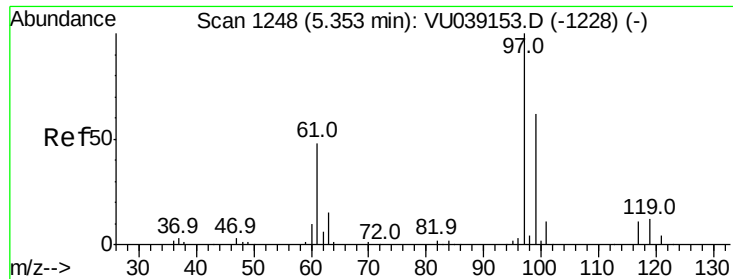
Tgt Ion: 83 Resp: 177207
Ion Ratio Lower Upper
83 100
85 65.0 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.222 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

Tgt Ion: 62 Resp: 128958
Ion Ratio Lower Upper
62 100
98 9.1 7.7 11.5

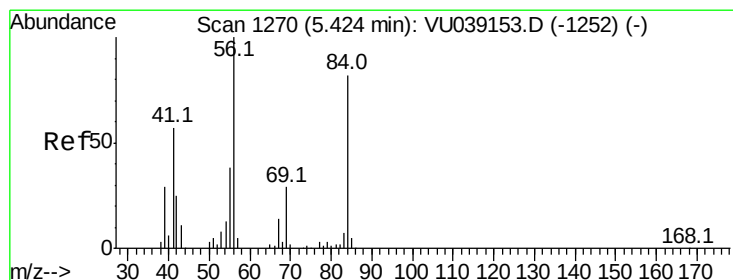
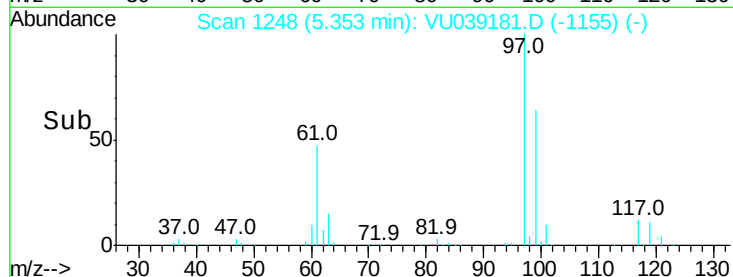
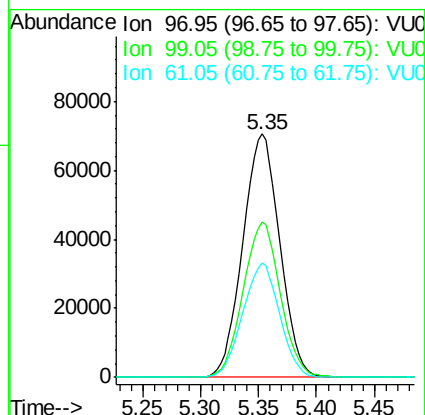
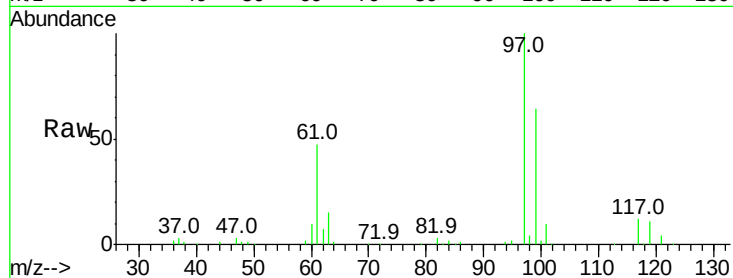




#29
 1,1,1-Trichloroethane
 Concen: 5.330 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

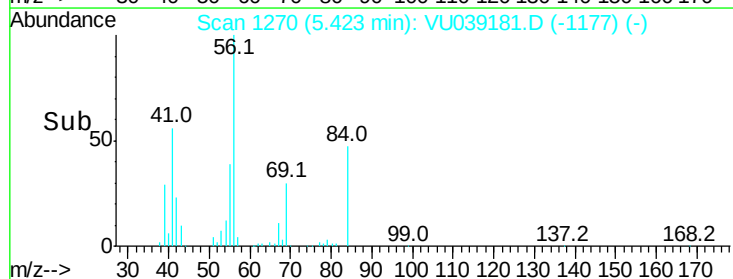
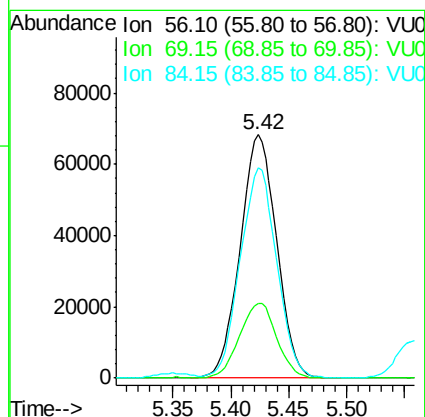
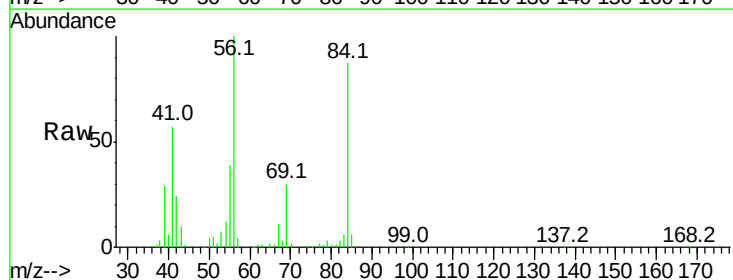
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

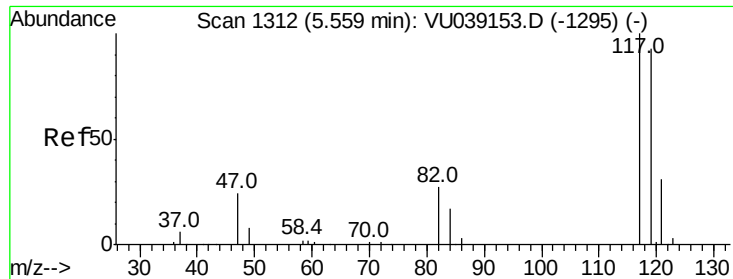
Tgt Ion: 97 Resp: 156975
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.3 75.5
 61 46.6 37.8 56.6



#30
 Cyclohexane
 Concen: 5.462 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Tgt Ion: 56 Resp: 149688
 Ion Ratio Lower Upper
 56 100
 69 31.2 23.3 34.9
 84 86.8 67.1 100.7

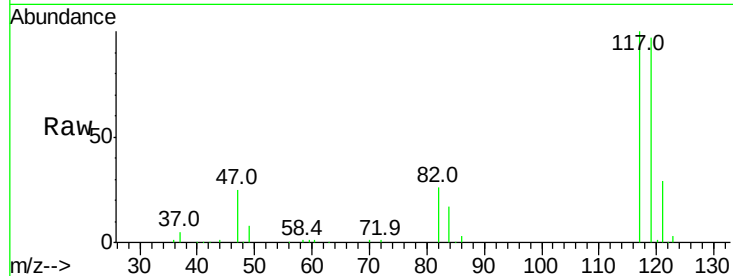




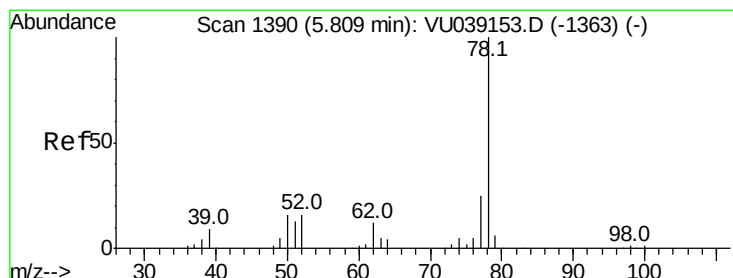
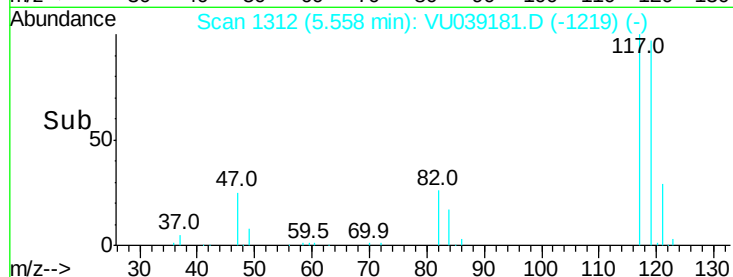
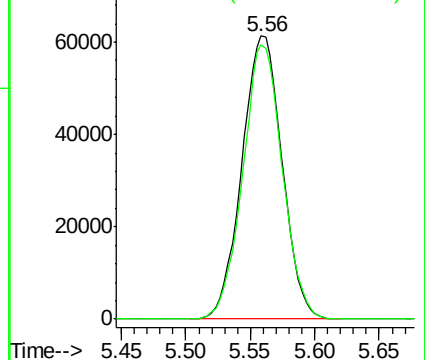
#31
Carbon tetrachloride
Concen: 5.419 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

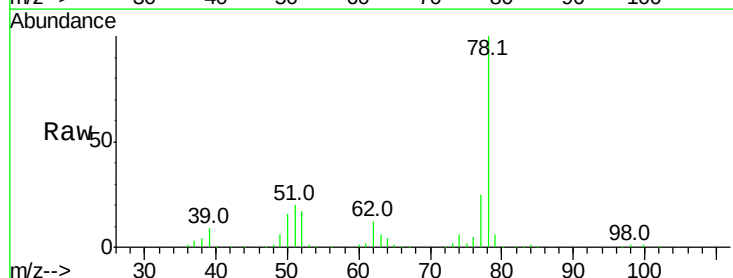
Tgt Ion:117 Resp: 132916
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5



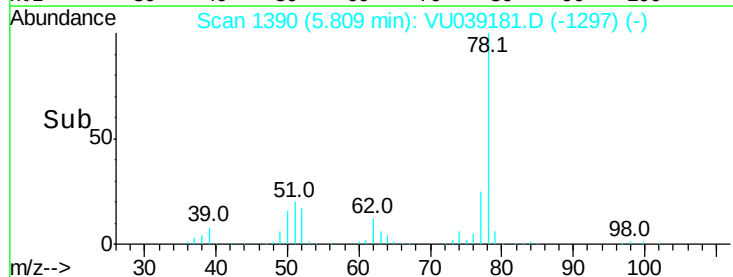
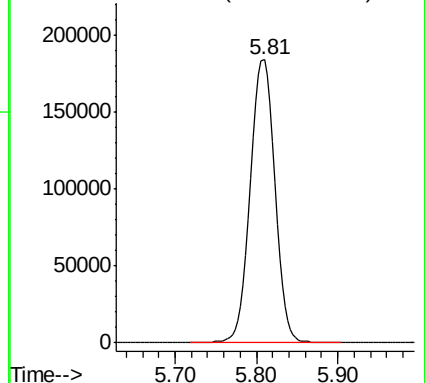
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

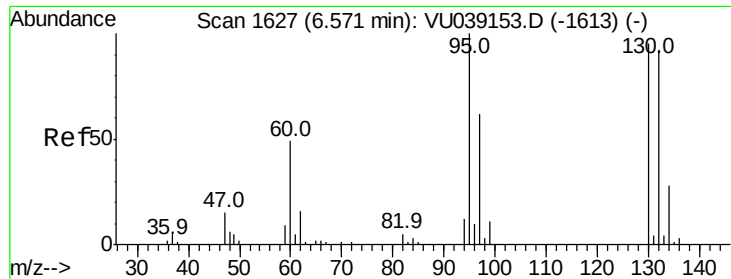


#33
Benzene
Concen: 5.158 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21
Tgt Ion: 78 Resp: 382496



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.349 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

Tgt Ion: 95 Resp: 95938

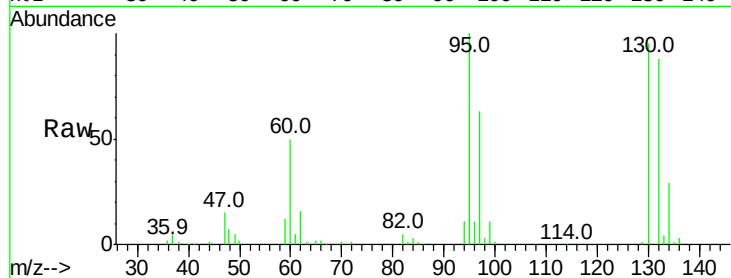
Ion Ratio Lower Upper

95 100

97 62.9 45.1 83.7

132 87.5 65.1 120.9

130 94.9 68.6 127.4

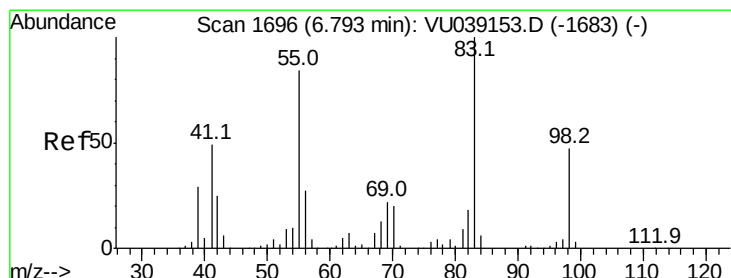
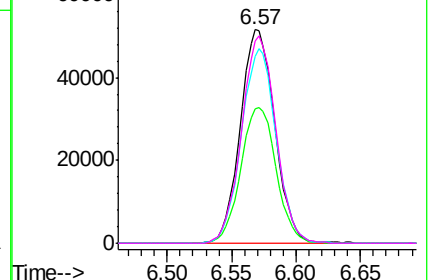
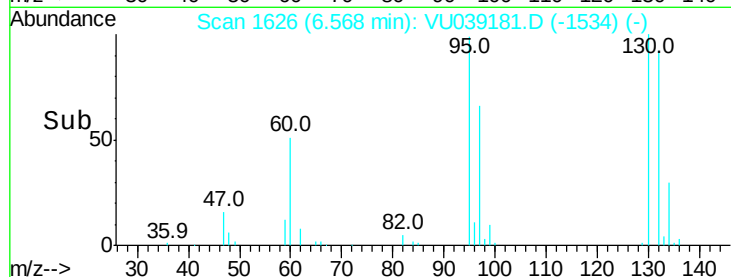


Abundance Ion 95.00 (94.70 to 95.70): VU039181.D (-1613) (-)

Ion 96.95 (96.65 to 97.65): VU039181.D (-1613) (-)

Ion 131.95 (131.65 to 132.65): VU039181.D (-1613) (-)

Ion 129.95 (129.65 to 130.65): VU039181.D (-1613) (-)



#35

Methylcyclohexane

Concen: 5.603 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

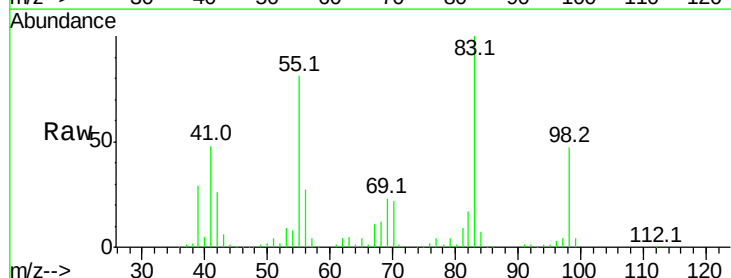
Tgt Ion: 83 Resp: 149115

Ion Ratio Lower Upper

83 100

55 81.9 65.5 98.3

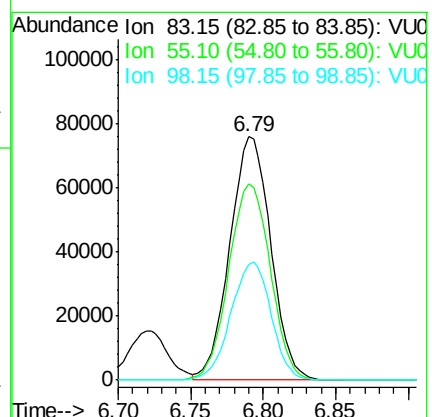
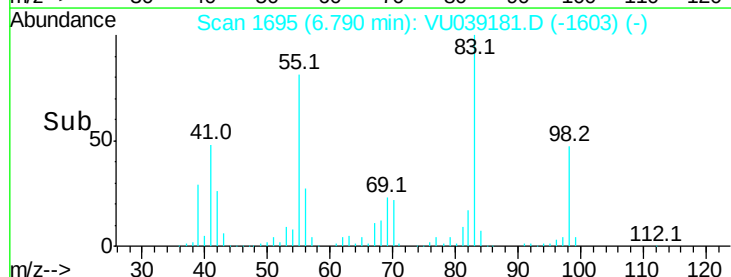
98 47.8 36.5 54.7

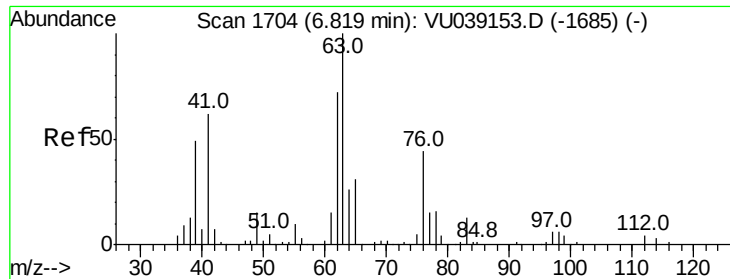


Abundance Ion 83.15 (82.85 to 83.85): VU039181.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU039181.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU039181.D (-1603) (-)

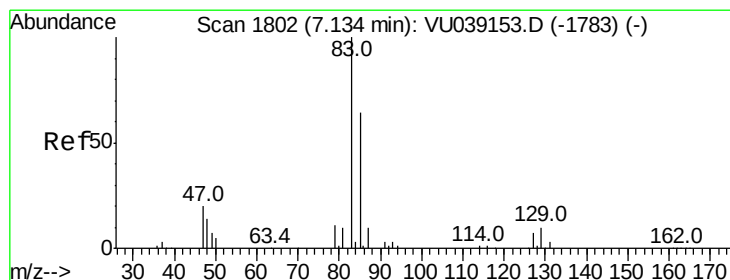
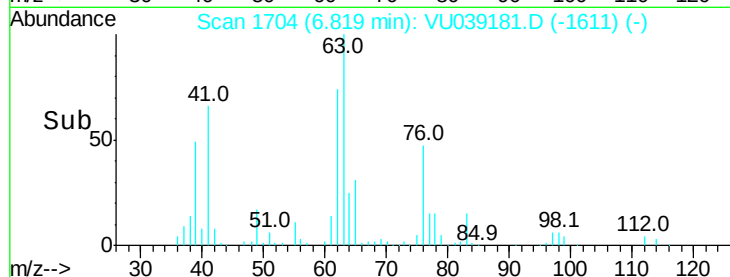
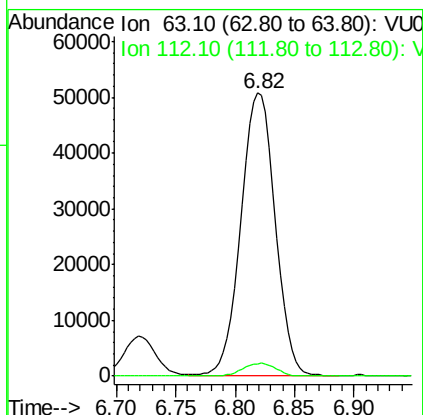
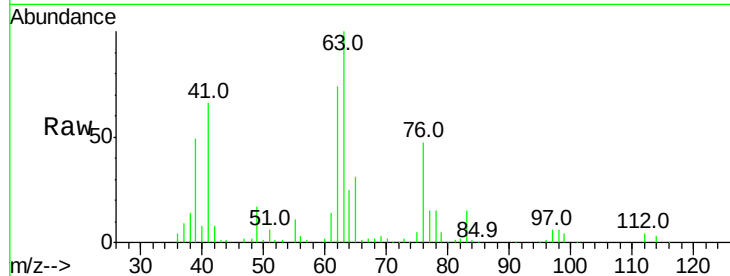




#37
 1,2-Dichloropropane
 Concen: 5.064 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

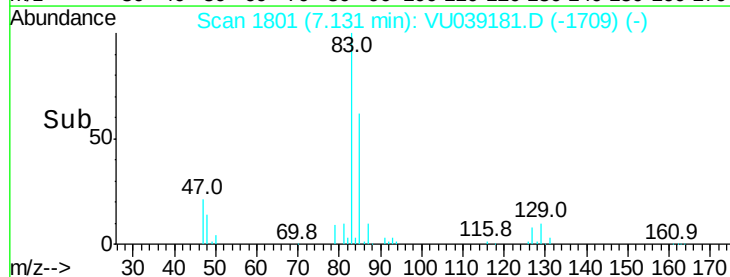
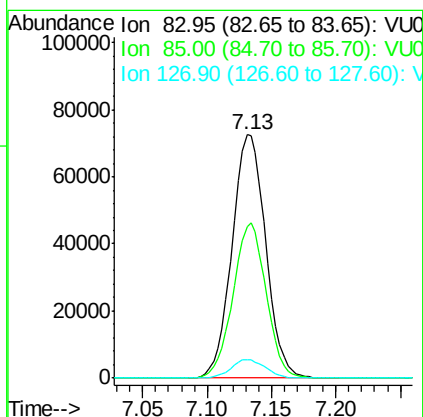
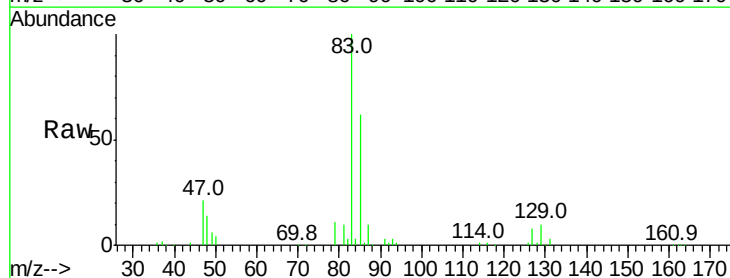
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

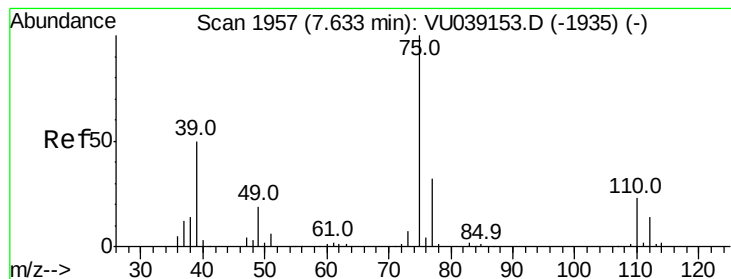
Tgt Ion: 63 Resp: 101724
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.260 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Tgt Ion: 83 Resp: 131736
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.9 83.3
 127 7.7 6.3 9.5



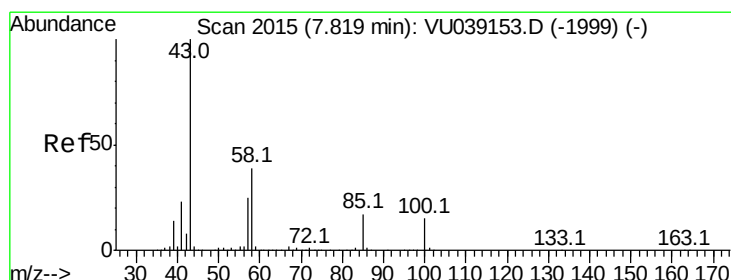
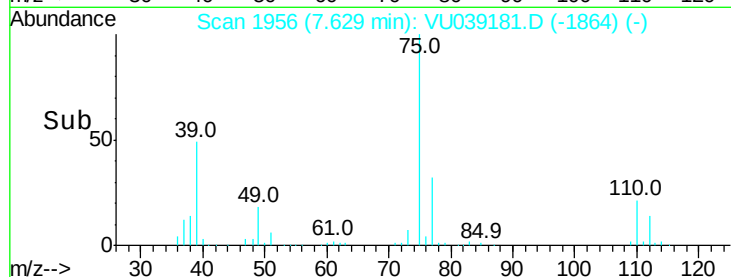
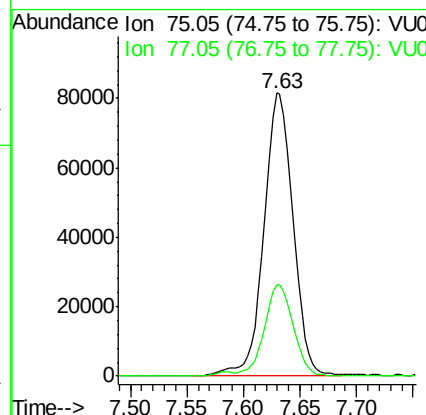
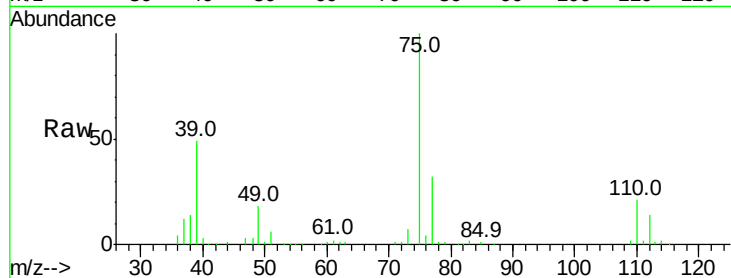


#39

cis-1,3-Dichloropropene
 Concen: 5.263 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

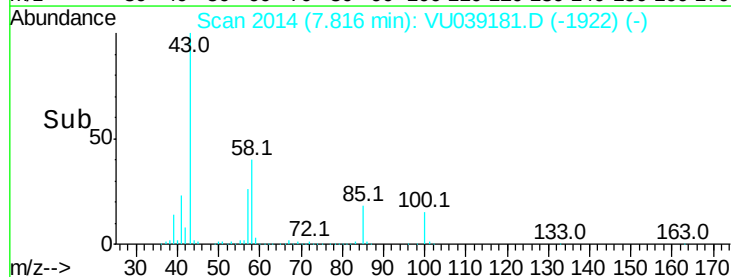
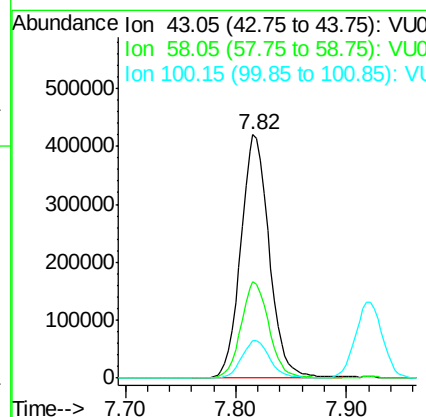
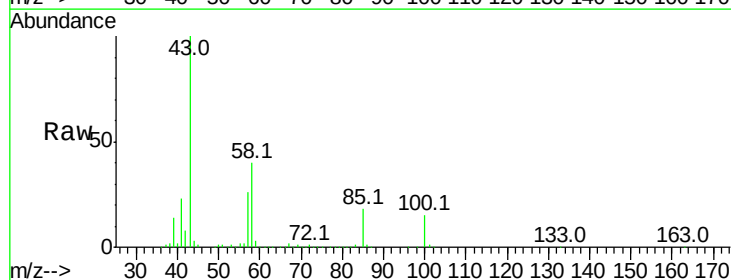
Tgt Ion: 75 Resp: 146537
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.6 40.0

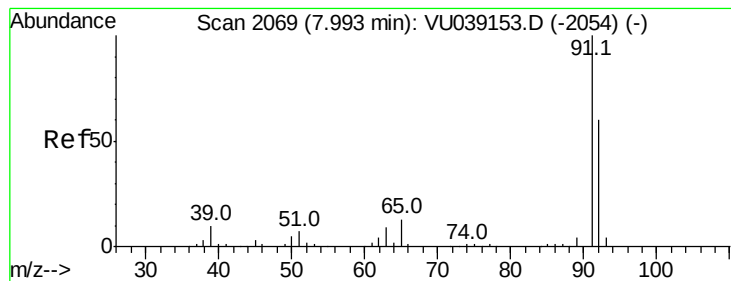


#40

4-Methyl-2-pentanone
 Concen: 50.053 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Tgt Ion: 43 Resp: 750485
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.3 46.9
 100 15.3 11.6 17.4





#42

Toluene

Concen: 5.379 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

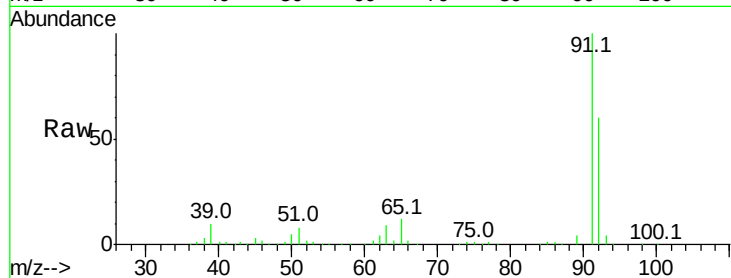
VSTD00504

Tgt Ion: 91 Resp: 395903

Ion Ratio Lower Upper

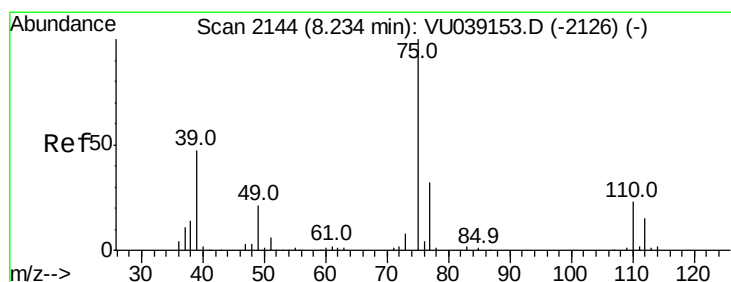
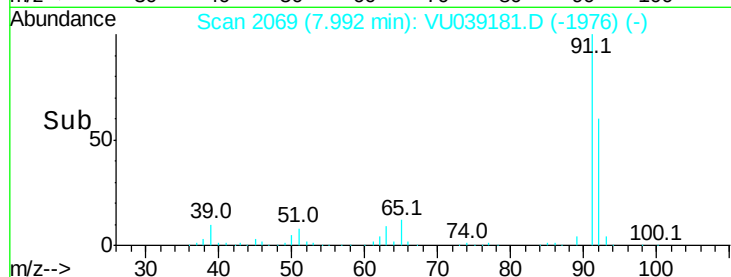
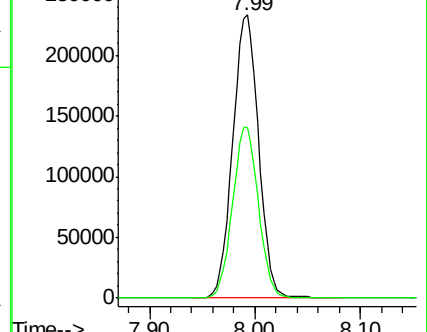
91 100

92 60.5 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039181.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU039181.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.355 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039181.D

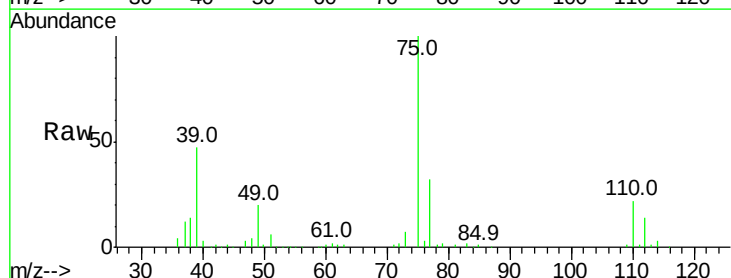
Acq: 29 Jun 2020 10:21

Tgt Ion: 75 Resp: 139516

Ion Ratio Lower Upper

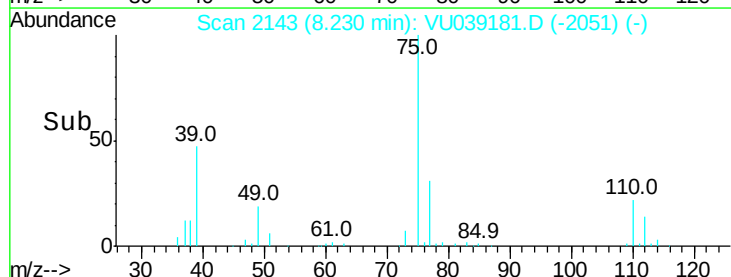
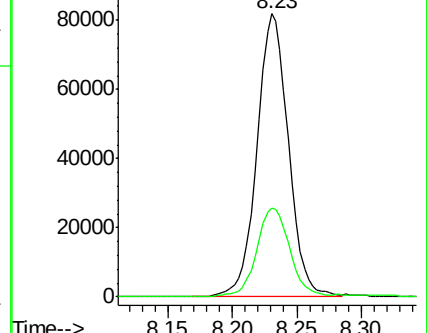
75 100

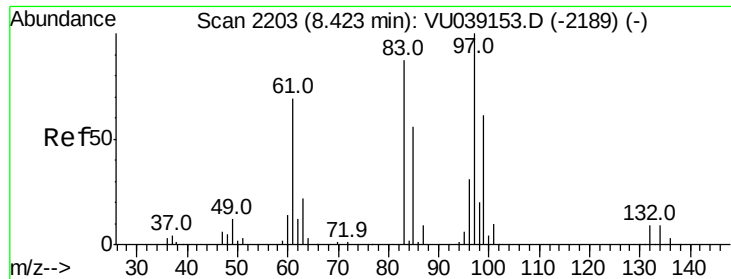
77 31.6 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039181.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU039181.D (-2051) (-)

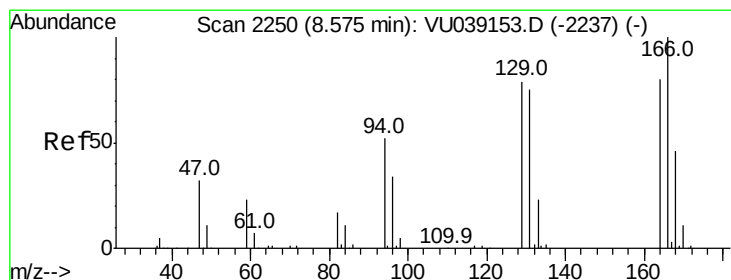
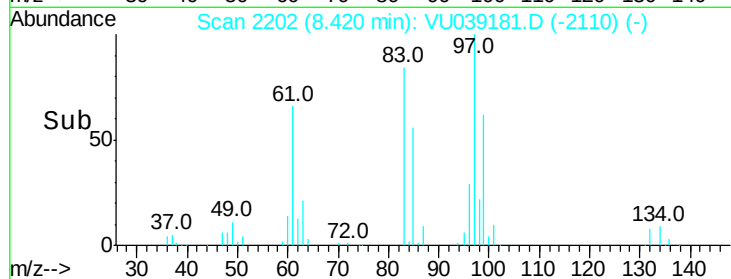
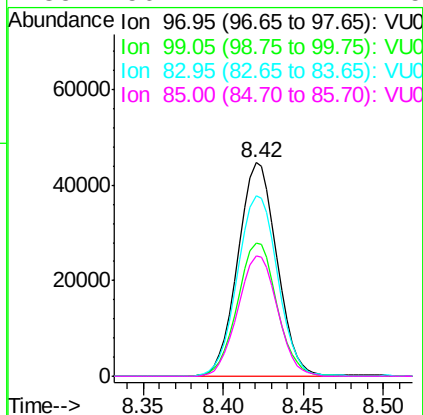
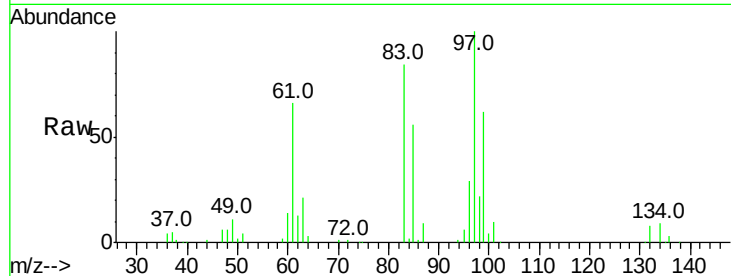




#45
 1,1,2-Trichloroethane
 Concen: 4.979 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

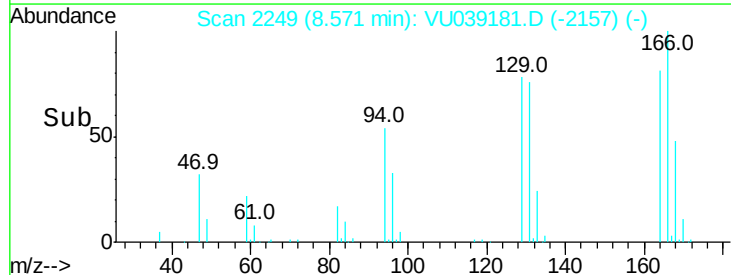
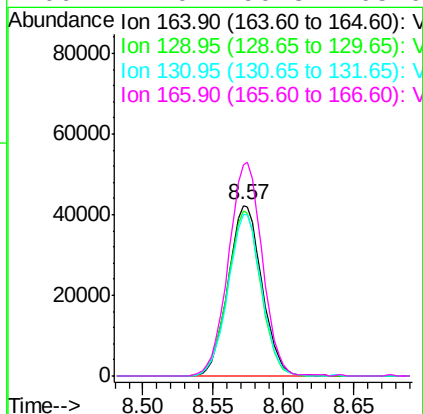
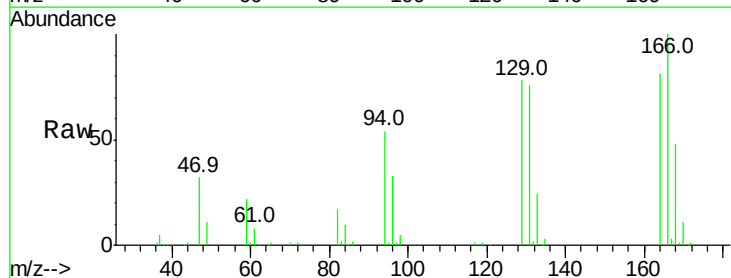
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

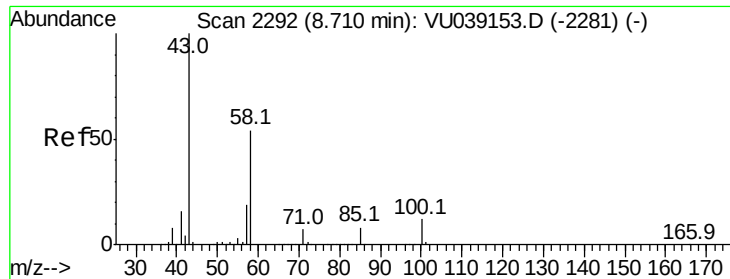
Tgt Ion:	97	Resp:	74334
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.4	84.4
83	84.5	64.4	119.6
85	56.2	41.7	77.5



#47
 Tetrachloroethene
 Concen: 5.475 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Tgt Ion:	164	Resp:	70771
Ion	Ratio	Lower	Upper
164	100		
129	96.6	71.3	132.5
131	94.4	68.3	126.8
166	124.0	90.8	168.6

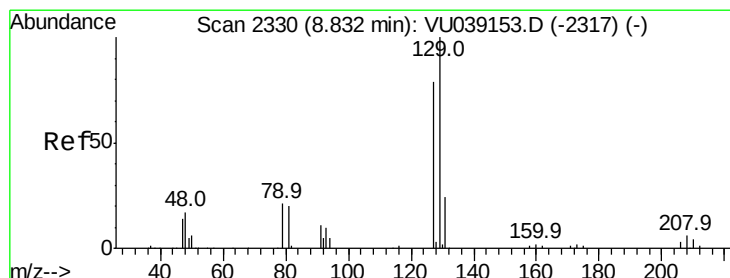
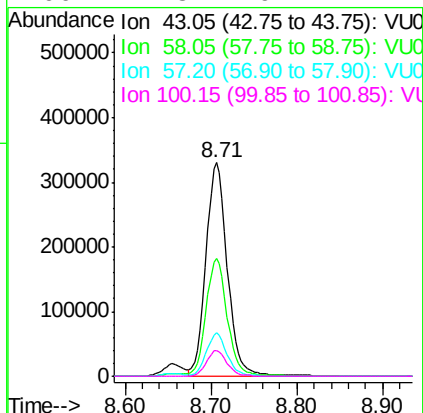
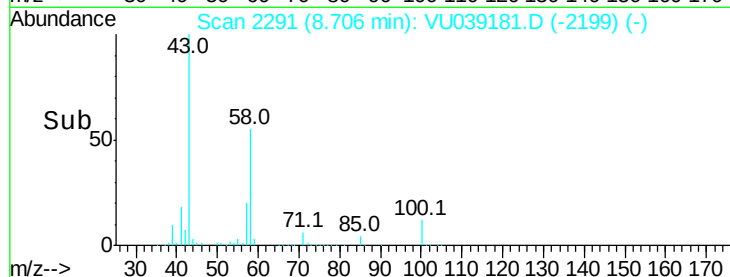
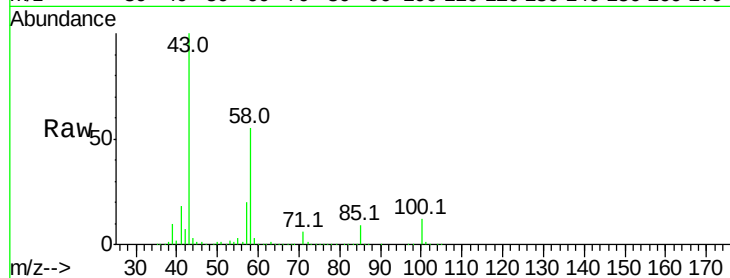




#48
2-Hexanone
Concen: 52.366 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

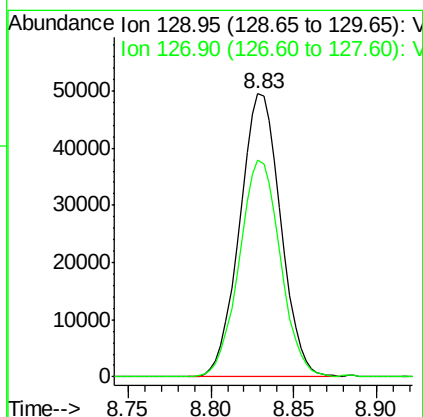
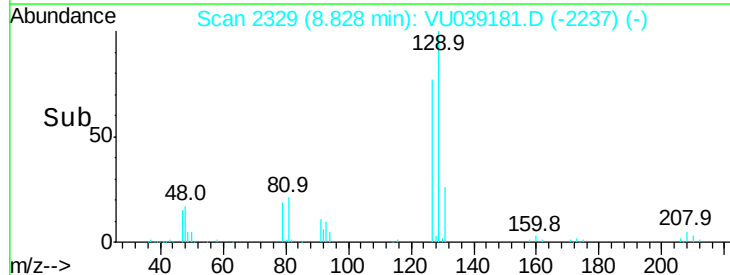
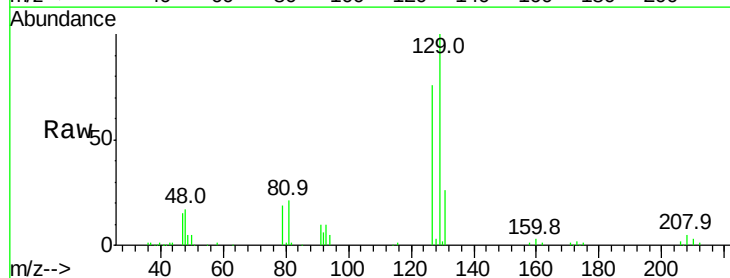
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

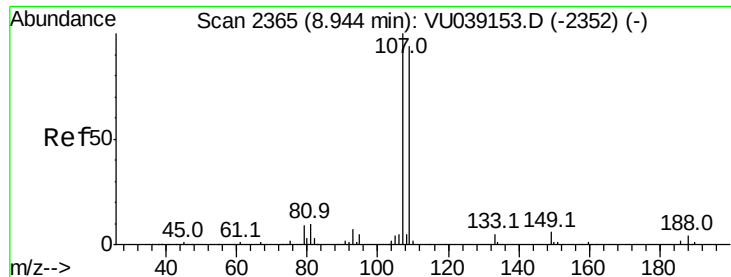
Tgt Ion: 43 Resp: 575611
Ion Ratio Lower Upper
43 100
58 54.5 44.0 66.0
57 19.5 15.0 22.6
100 11.8 9.4 14.2



#49
Dibromochloromethane
Concen: 5.241 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

Tgt Ion: 129 Resp: 85095
Ion Ratio Lower Upper
129 100
127 76.4 55.4 103.0

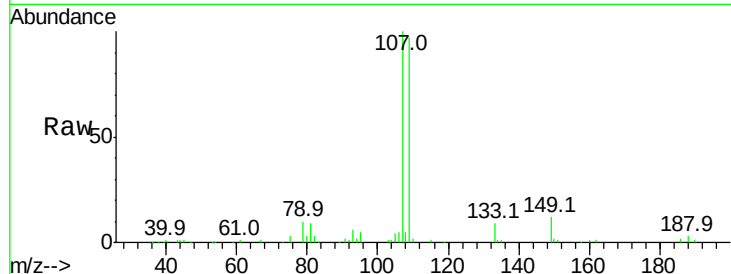




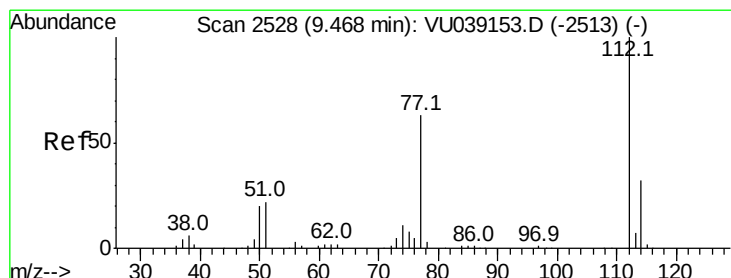
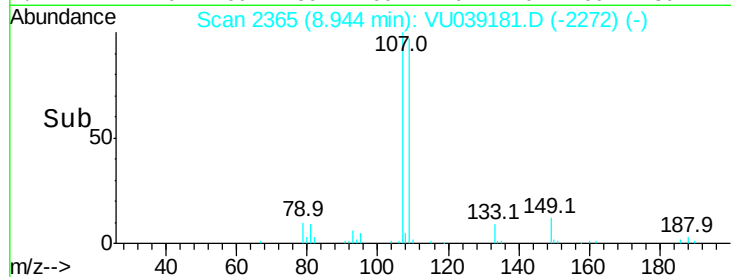
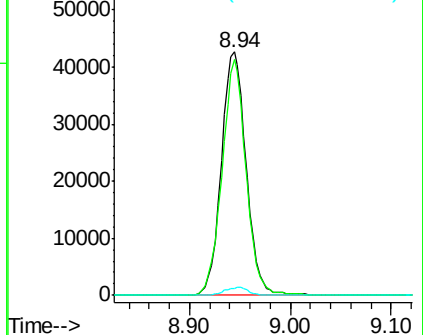
#50
1,2-Dibromoethane
Concen: 5.194 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion:107 Resp: 73327
Ion Ratio Lower Upper
107 100
109 96.7 64.8 120.4
188 3.1 2.4 3.6

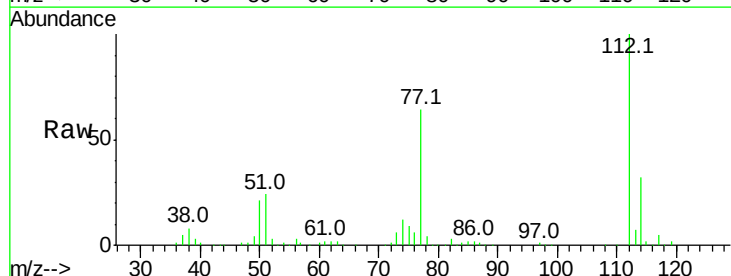


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

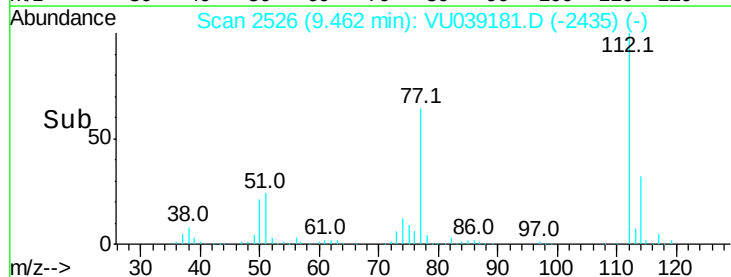
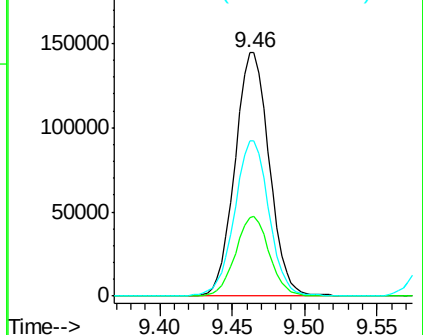


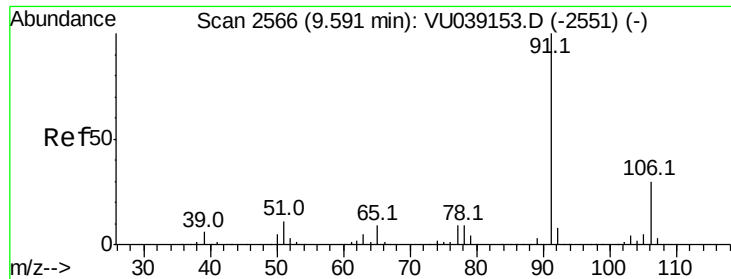
#51
Chlorobenzene
Concen: 5.146 ug/L
RT: 9.46 min Scan# 2526
Delta R.T. -0.01 min
Lab File: VU039181.D
Acq: 29 Jun 2020 10:21

Tgt Ion:112 Resp: 238408
Ion Ratio Lower Upper
112 100
114 32.3 22.0 41.0
77 63.9 50.2 75.4



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: 5.291 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

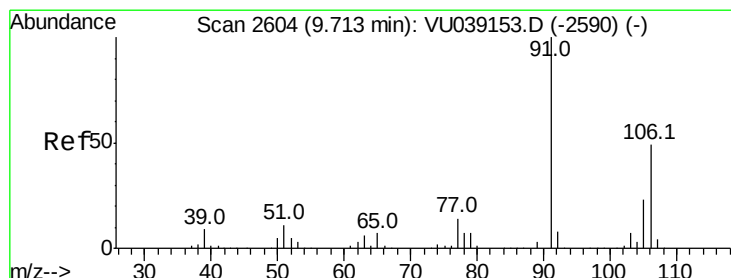
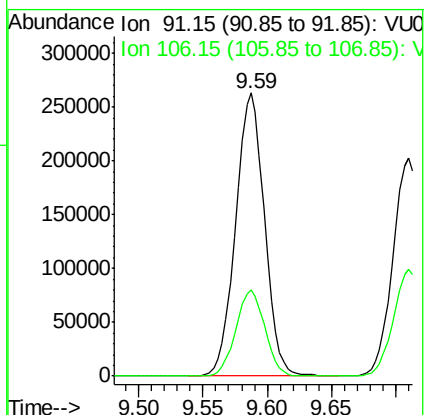
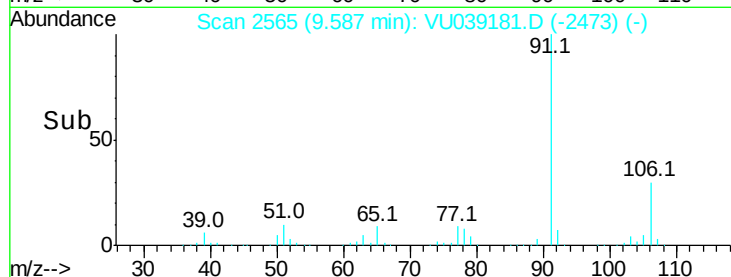
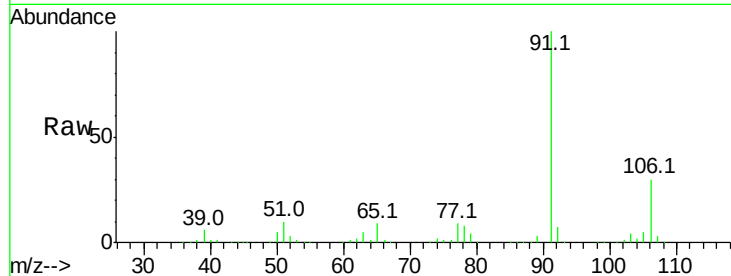
VSTD00504

Tgt Ion: 91 Resp: 409370

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



#53

m,p-Xylene

Concen: 5.541 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039181.D

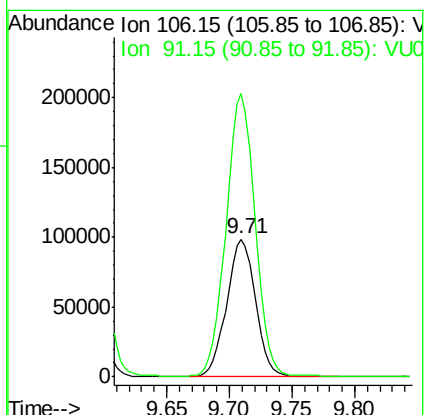
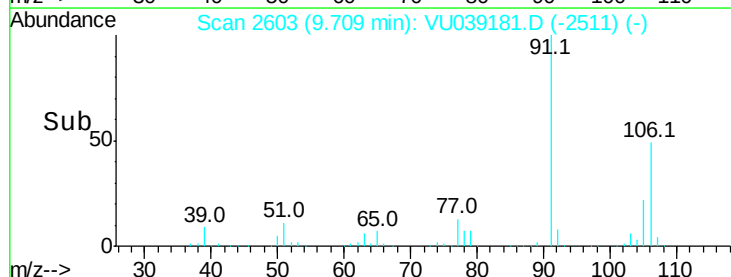
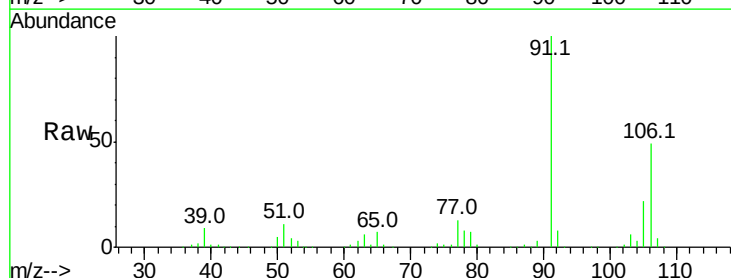
Acq: 29 Jun 2020 10:21

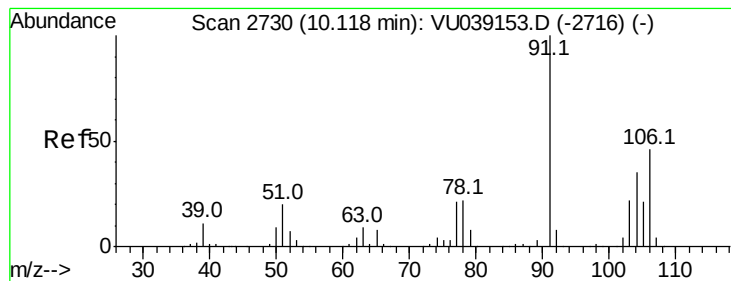
Tgt Ion: 106 Resp: 157632

Ion Ratio Lower Upper

106 100

91 205.3 143.6 266.8





#54

o-Xylene

Concen: 5.472 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

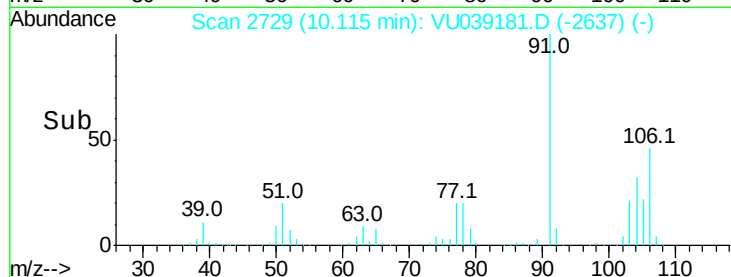
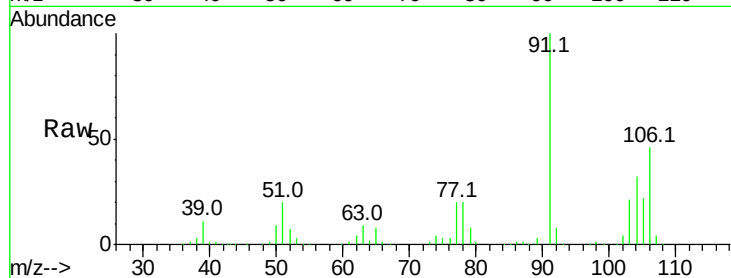
VSTD00504

Tgt Ion:106 Resp: 149555

Ion Ratio Lower Upper

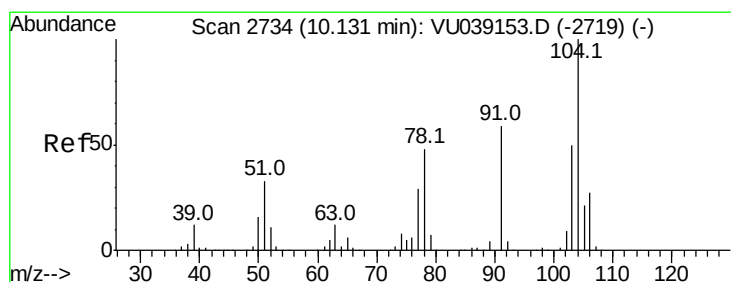
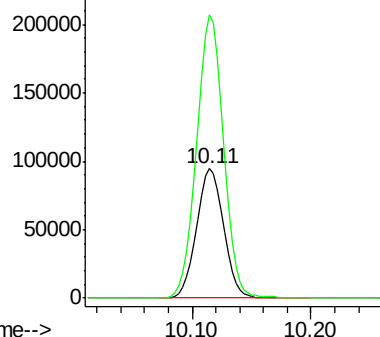
106 100

91 218.9 153.5 285.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.473 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU039181.D

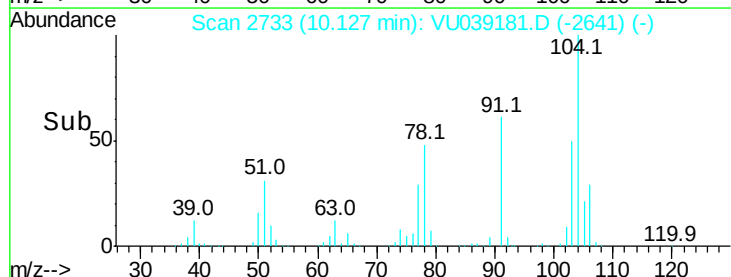
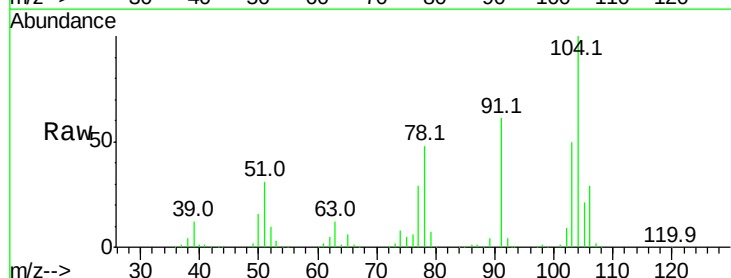
Acq: 29 Jun 2020 10:21

Tgt Ion:104 Resp: 262659

Ion Ratio Lower Upper

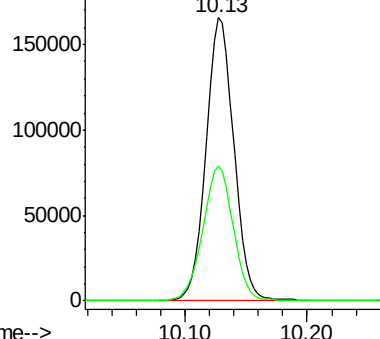
104 100

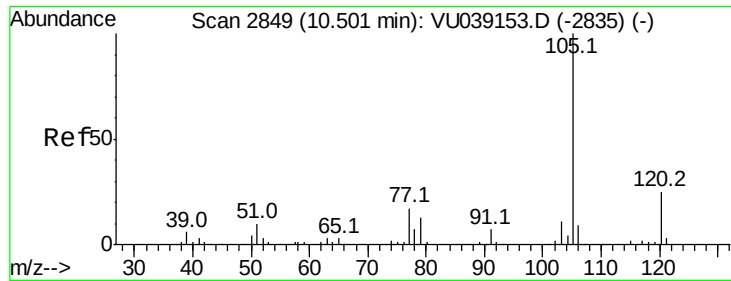
78 47.8 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 6.158 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

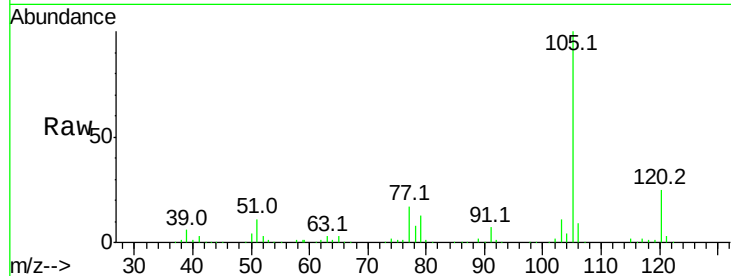
Tgt Ion:105 Resp: 440929

Ion Ratio Lower Upper

105 100

120 25.1 19.9 29.9

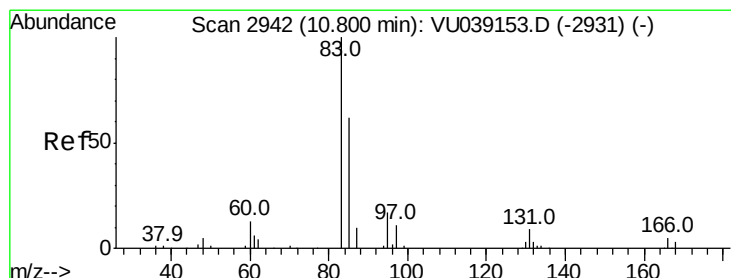
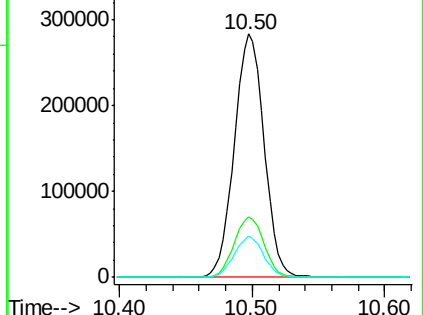
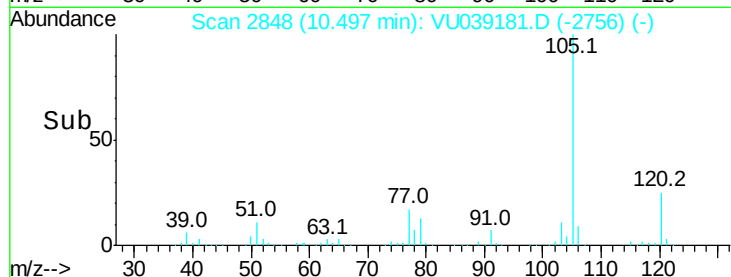
77 16.8 13.3 19.9



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: 5.970 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

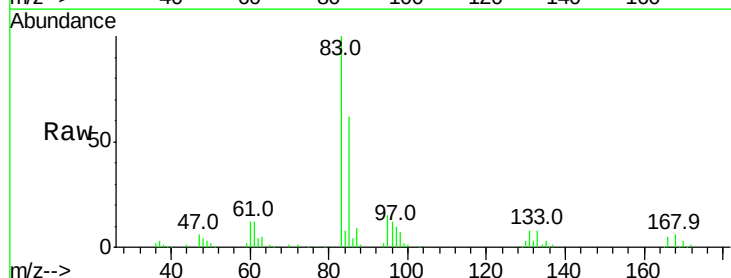
Tgt Ion: 83 Resp: 119190

Ion Ratio Lower Upper

83 100

85 62.0 45.3 84.1

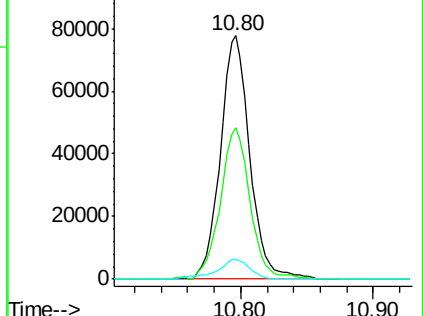
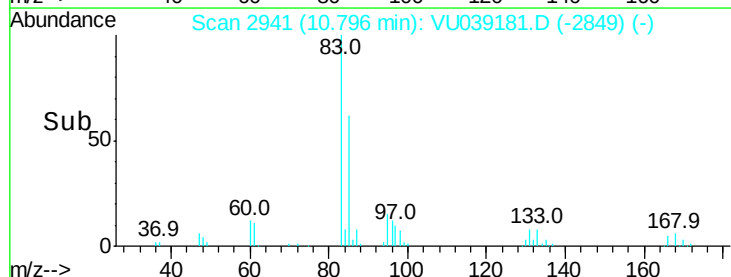
131 8.1 6.9 10.3

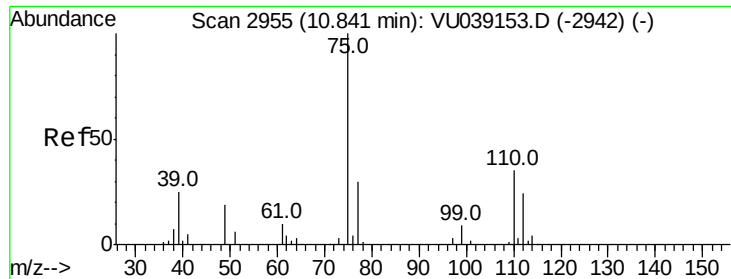


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.691 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

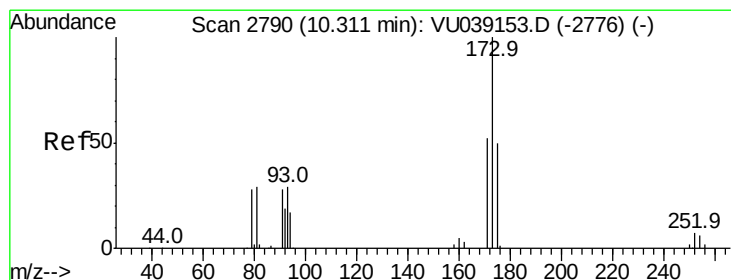
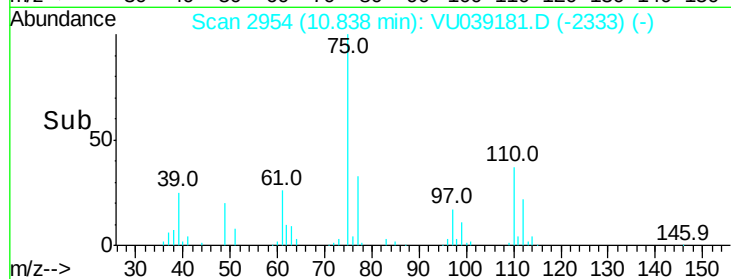
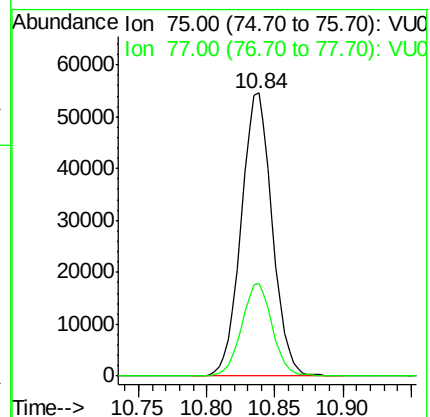
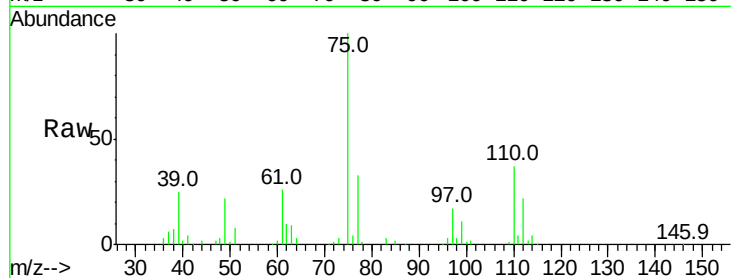
VSTD00504

Tgt Ion: 75 Resp: 86201

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2



#61

Bromoform

Concen: 4.988 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

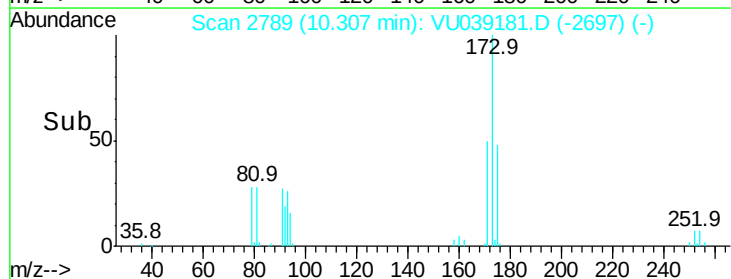
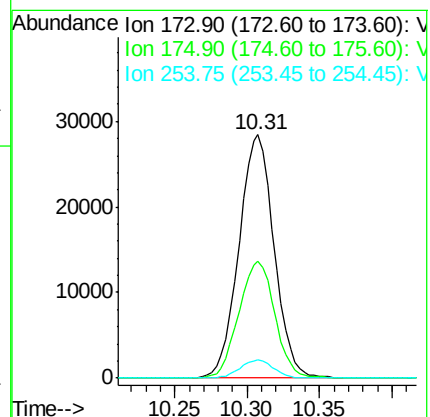
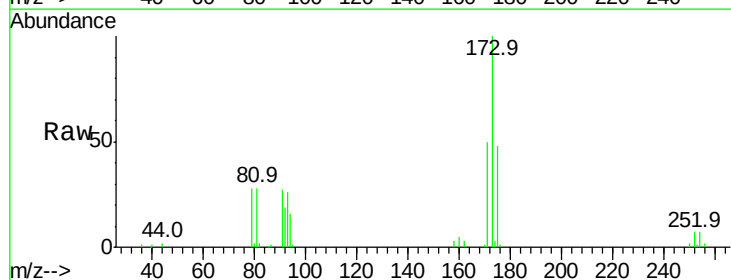
Tgt Ion: 173 Resp: 47914

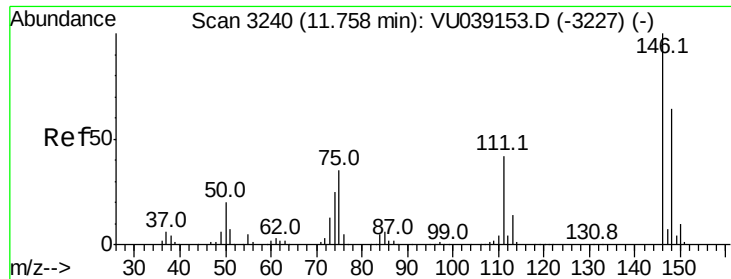
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 6.9 4.4 6.6#





#62

1,3-Dichlorobenzene

Concen: 5.557 ug/L

RT: 11.75 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

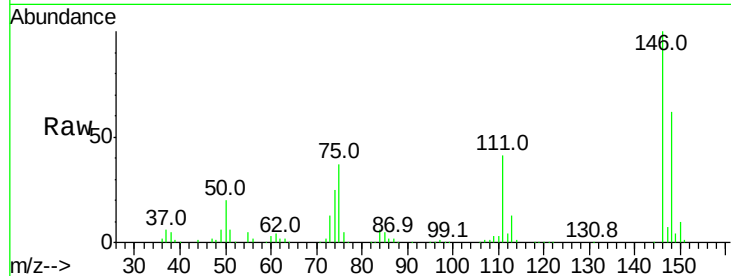
Tgt Ion:146 Resp: 194305

Ion Ratio Lower Upper

146 100

111 41.4 29.5 54.9

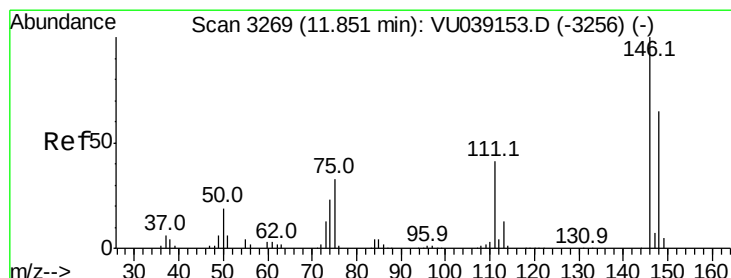
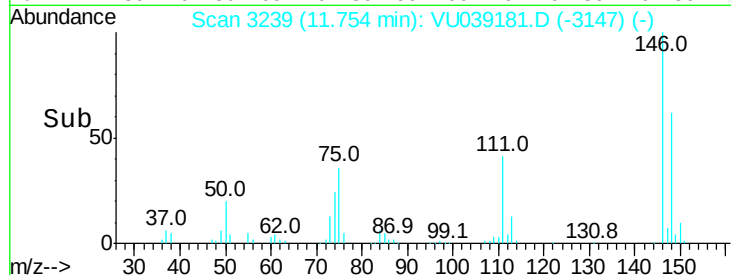
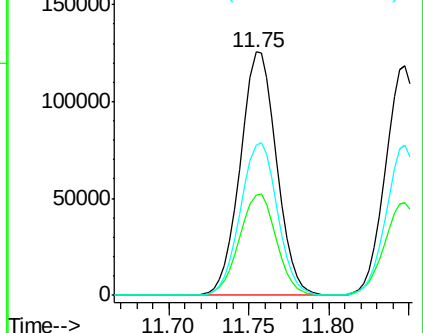
148 61.7 44.5 82.7



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: 5.204 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

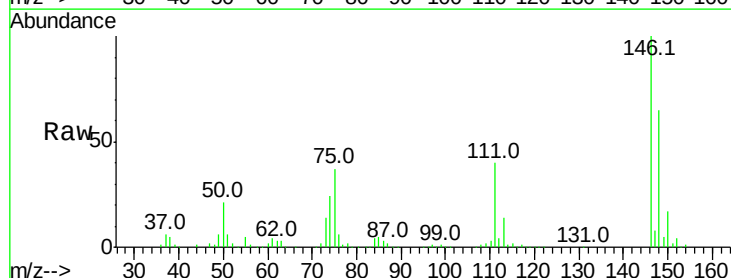
Tgt Ion:146 Resp: 187414

Ion Ratio Lower Upper

146 100

111 40.4 28.4 52.8

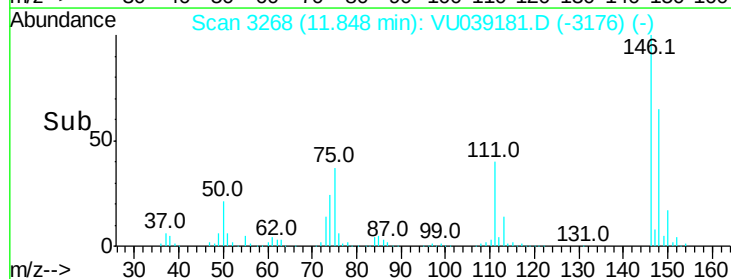
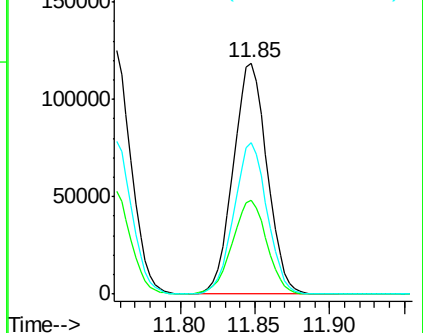
148 65.5 43.4 80.6

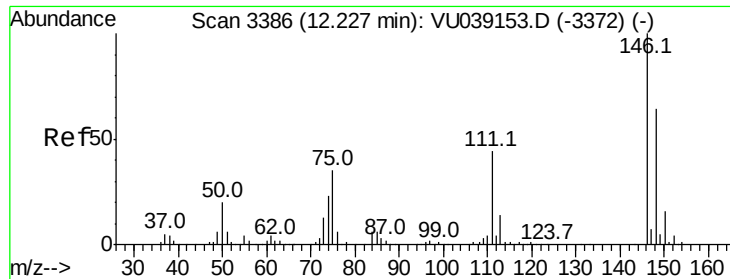


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

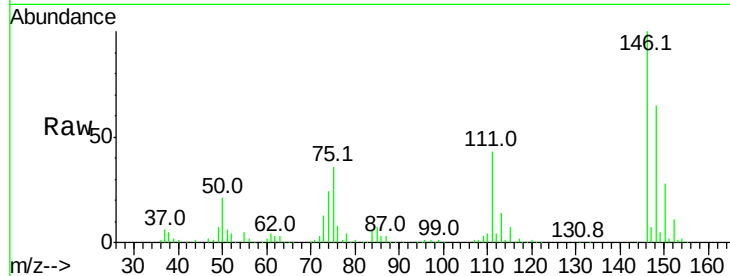




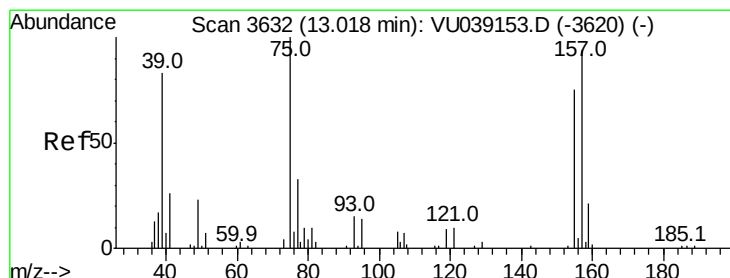
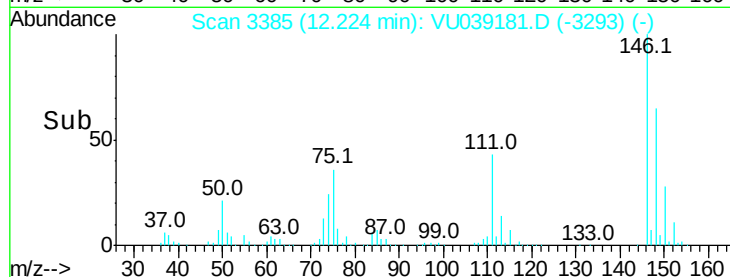
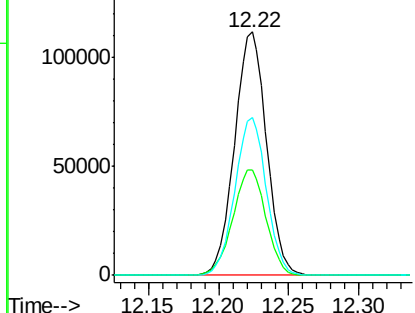
#65
 1,2-Dichlorobenzene
 Concen: 5.039 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion:146 Resp: 176653
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.7 52.1
 148 64.7 50.9 76.3

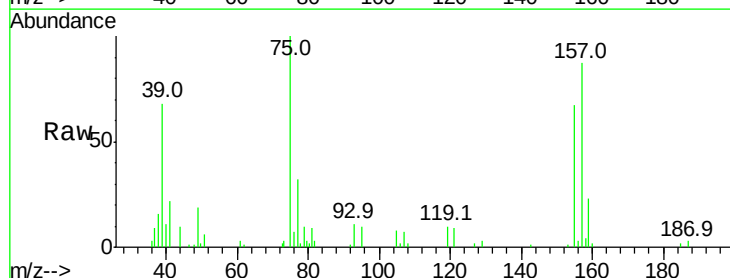


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

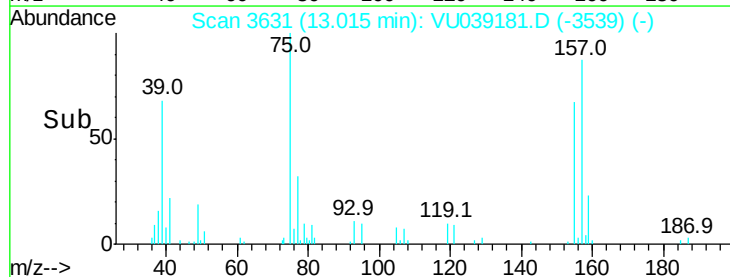
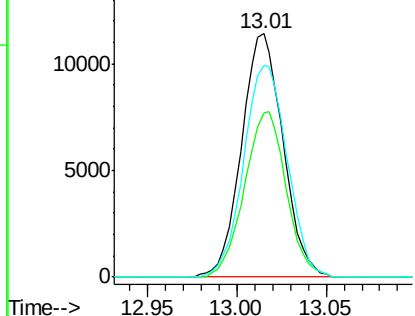


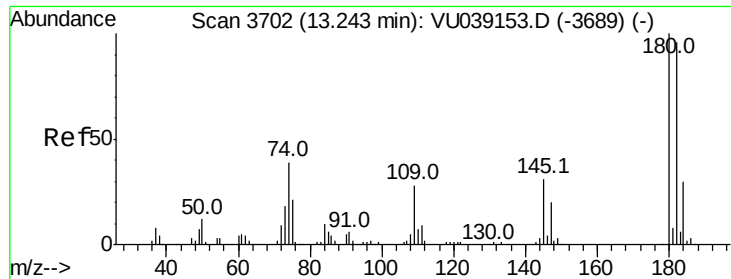
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.807 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Tgt Ion: 75 Resp: 18591
 Ion Ratio Lower Upper
 75 100
 155 67.3 58.6 88.0
 157 86.8 70.3 105.5



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

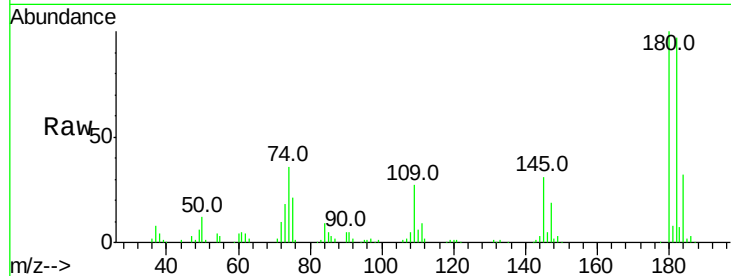




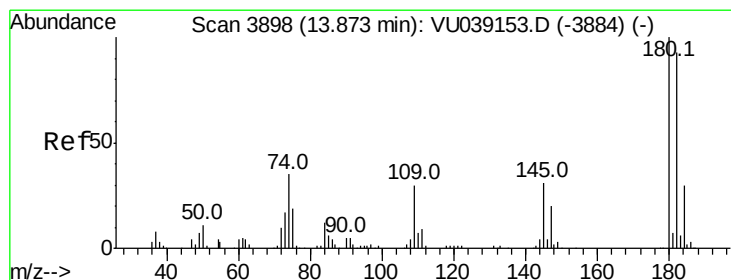
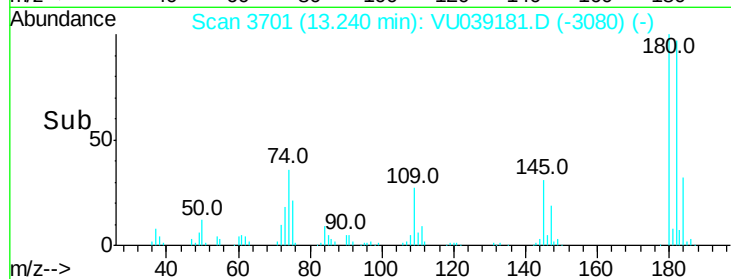
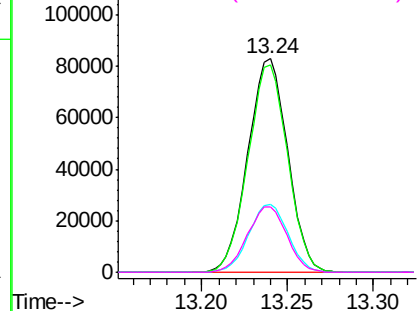
#67
 1,3,5-Trichlorobenzene
 Concen: 5.130 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion:180 Resp: 132744
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.3 114.5
 184 31.4 24.2 36.4
 145 30.5 25.2 37.8

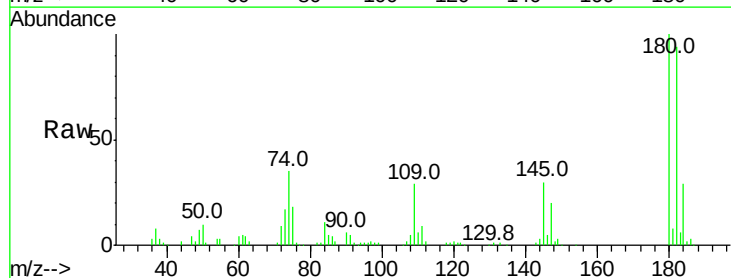


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

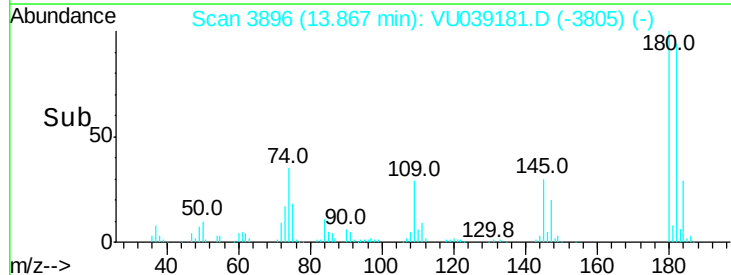
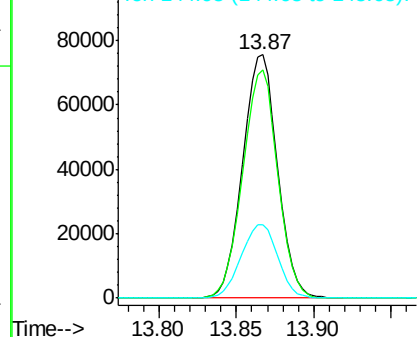


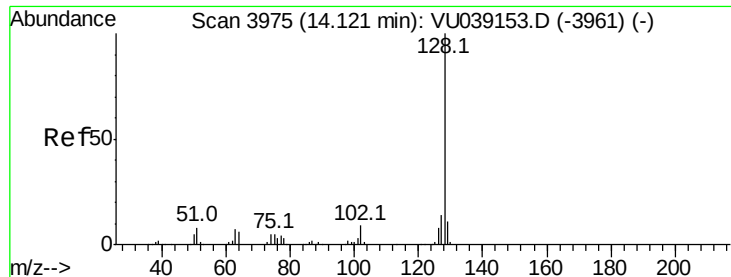
#68
 1,2,4-trichlorobenzene
 Concen: 5.021 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU039181.D
 Acq: 29 Jun 2020 10:21

Tgt Ion:180 Resp: 118353
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.0 115.6
 145 31.6 25.4 38.2



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: 4.384 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

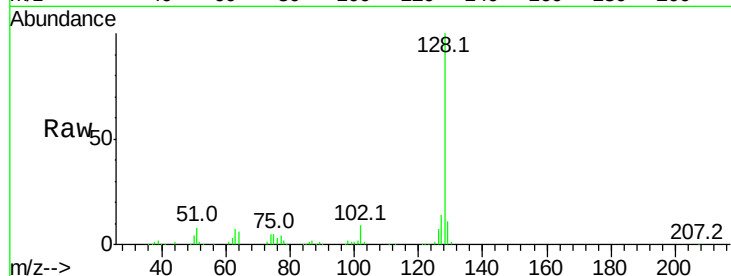
Tgt Ion:128 Resp: 220431

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

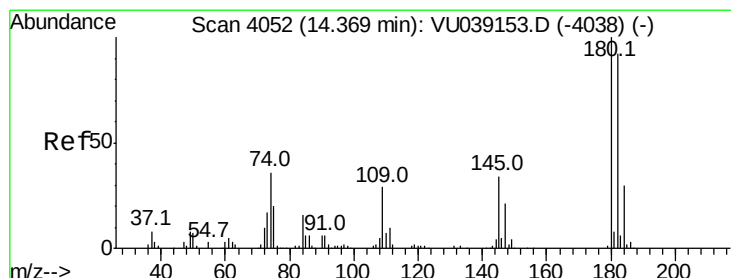
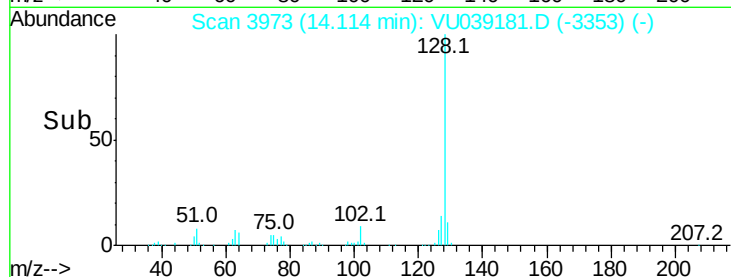
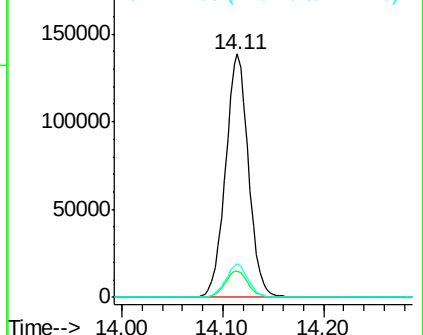
127 13.4 10.8 16.2



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: 4.912 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU039181.D

Acq: 29 Jun 2020 10:21

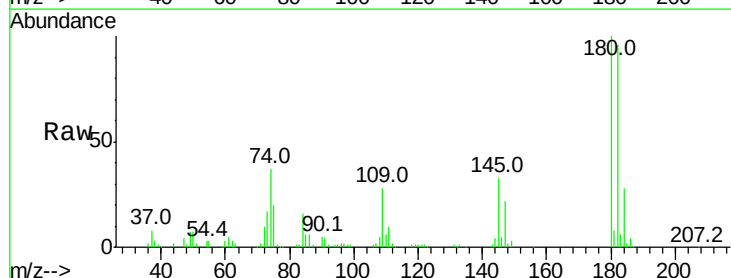
Tgt Ion:180 Resp: 111744

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

145 33.0 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

