

Data File : VU039003.D
Acq On : 22 Jun 2020 13:52
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Quant Time: Jun 22 14:57:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 22 13:07:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	291633	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	289781	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	149900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	116714	4.33	ug/L	0.00
7) Chloroethane-d5	1.93	69	84286	4.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	218859	4.51	ug/L	0.00
20) 2-Butanone-d5	4.67	46	380242	46.84	ug/L	0.00
24) Chloroform-d	5.10	84	209549	4.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	124768	4.56	ug/L	0.00
32) Benzene-d6	5.76	84	425694	4.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	133743	4.69	ug/L	0.00
41) Toluene-d8	7.92	98	367821	4.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	58974	4.37	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	299657	50.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122151	4.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	139531	4.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	132313	4.435 ug/L	97
3) Chloromethane	1.53	50	72144	2.443 ug/L	98
5) Vinyl chloride	1.62	62	136310	4.424 ug/L	100
6) Bromomethane	1.87	94	30341	2.565 ug/L	96
8) Chloroethane	1.95	64	83054	4.738 ug/L	90
9) Trichlorofluoromethane	2.15	101	177136	4.416 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	103182	4.374 ug/L	100
12) 1,1-Dichloroethene	2.60	96	98067	4.539 ug/L	91
13) Acetone	2.66	43	223657	44.761 ug/L	100
14) Carbon disulfide	2.82	76	337999	4.591 ug/L	100
15) Methyl Acetate	2.98	43	57832	4.660 ug/L	97
16) Methylene chloride	3.07	84	112489	4.233 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	239845	4.189 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	104919	4.597 ug/L	99
19) 1,1-Dichloroethane	3.91	63	206574	4.687 ug/L	98
21) 2-Butanone	4.75	43	375617	46.600 ug/L	99
22) cis-1,2-Dichloroethene	4.70	96	112782	4.661 ug/L	98
23) Bromochloromethane	5.01	128	52285	4.735 ug/L	97
25) Chloroform	5.12	83	212198	4.883 ug/L	96
27) 1,2-Dichloroethane	5.83	62	143435	4.577 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	173973	4.651 ug/L	98
30) Cyclohexane	5.42	56	172323	4.661 ug/L	99
31) Carbon tetrachloride	5.56	117	146060	4.645 ug/L	100
33) Benzene	5.81	78	444998	4.709 ug/L	100
34) Trichloroethene	6.57	95	109494	4.636 ug/L	98
35) Methylcyclohexane	6.79	83	167604	4.602 ug/L	99
37) 1,2-Dichloropropane	6.82	63	120312	4.721 ug/L	99
38) Bromodichloromethane	7.13	83	149100	4.498 ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	170316	4.229 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	884071	40.914 ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	463460	4.388	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	154282	4.374	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	87842	4.364	ug/L	97
47) Tetrachloroethene	8.57	164	78082	4.346	ug/L	97
48) 2-Hexanone	8.71	43	674722	46.611	ug/L	99
49) Dibromochloromethane	8.83	129	95158	4.377	ug/L	99
50) 1,2-Dibromoethane	8.94	107	82547	4.420	ug/L #	99
51) Chlorobenzene	9.47	112	276835	4.499	ug/L	99
52) Ethylbenzene	9.59	91	475679	4.492	ug/L	99
53) m,p-Xylene	9.71	106	184579	4.633	ug/L	97
54) o-Xylene	10.12	106	177613	4.594	ug/L	95
55) Styrene	10.13	104	314368	4.737	ug/L	100
56) Isopropylbenzene	10.50	105	464566	4.637	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	113088	4.576	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	86545	4.717	ug/L	99
61) Bromoform	10.31	173	53934	4.407	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	223130	4.563	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	227342	4.524	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	216175	4.609	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	19391	4.428	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	154470	4.128	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	135299	4.075	ug/L	99
69) Naphthalene	14.11	128	261625	4.294	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	127998	4.038	ug/L	97

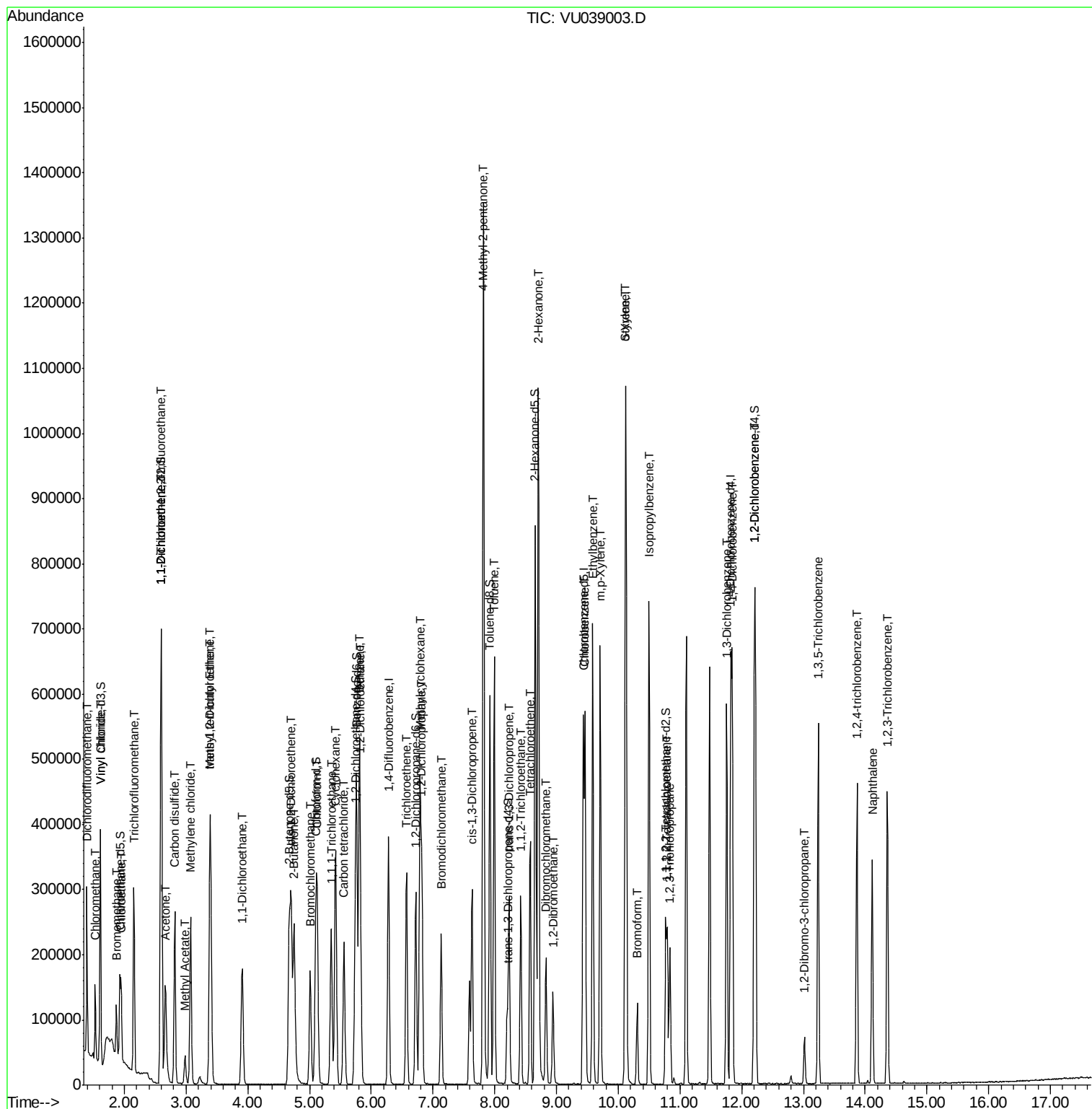
(#) = qualifier out of range (m) = manual integration (+) = signals summed

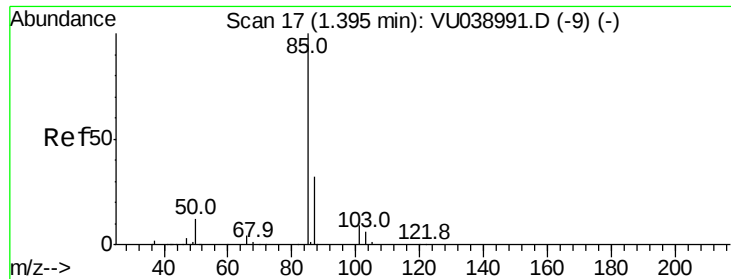
Data File : VU039003.D

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Acq On       : 22 Jun 2020   13:52
Operator     : SY/MD
Sample       : VSTD005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 1      Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 4.435 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

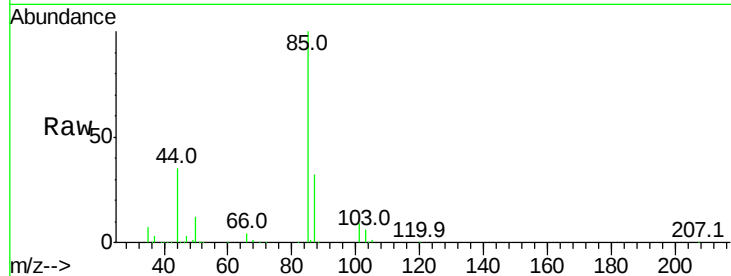
VSTD00502

Tgt Ion: 85 Resp: 132313

Ion Ratio Lower Upper

85 100

87 31.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038991.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038991.D (-9) (-)

1.39

150000

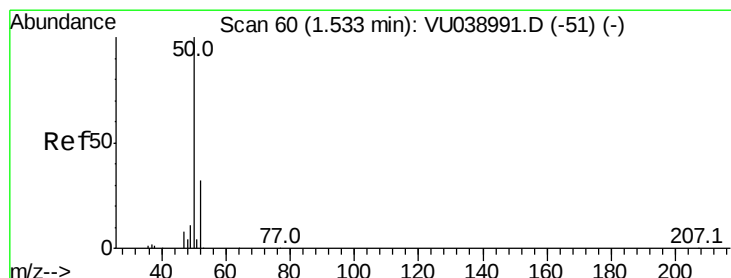
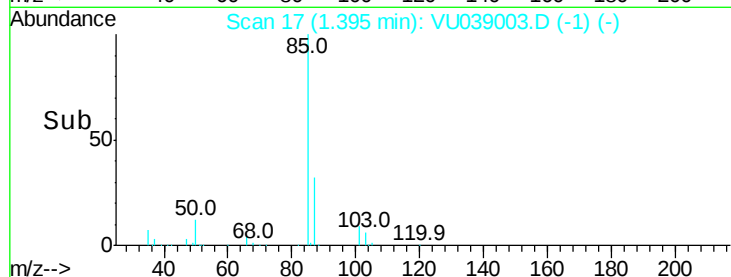
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 2.443 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039003.D

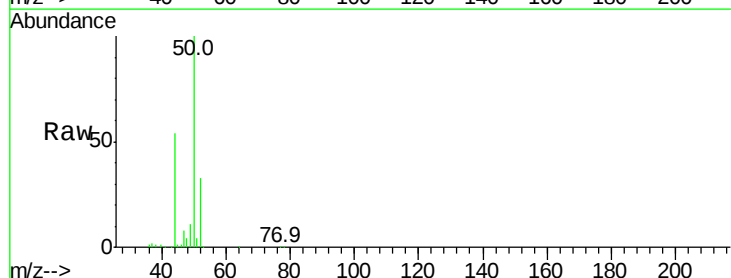
Acq: 22 Jun 2020 13:52

Tgt Ion: 50 Resp: 72144

Ion Ratio Lower Upper

50 100

52 32.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU038991.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038991.D (-51) (-)

1.53

80000

60000

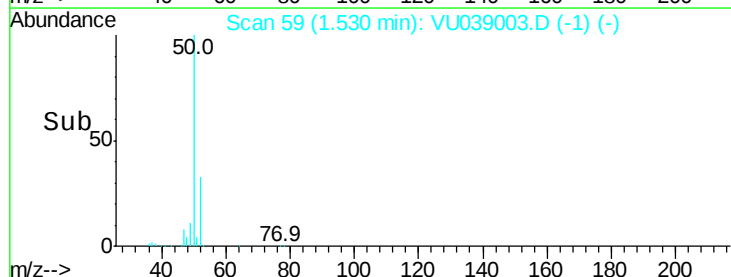
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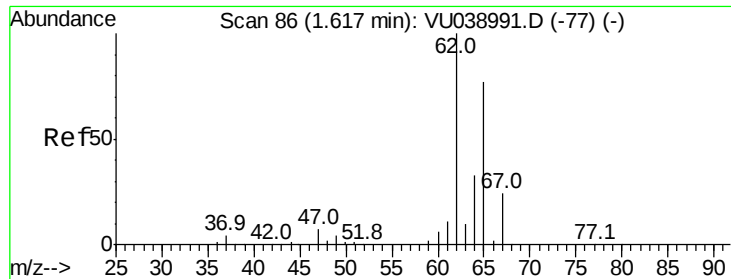
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.424 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

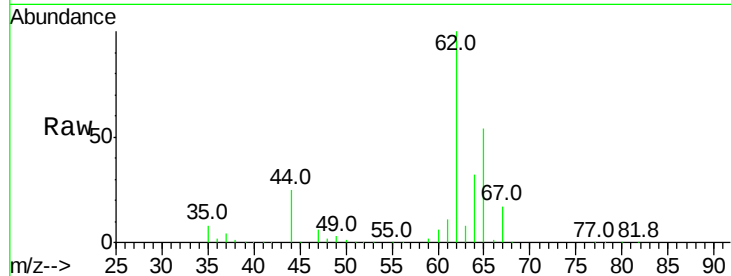
VSTD00502

Tgt Ion: 62 Resp: 136310

Ion Ratio Lower Upper

62 100

64 32.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU038991.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038991.D (-77) (-)

1.62

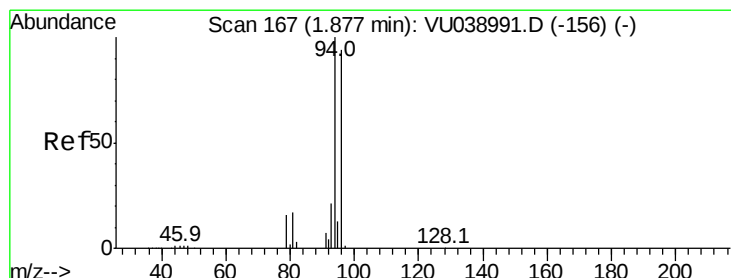
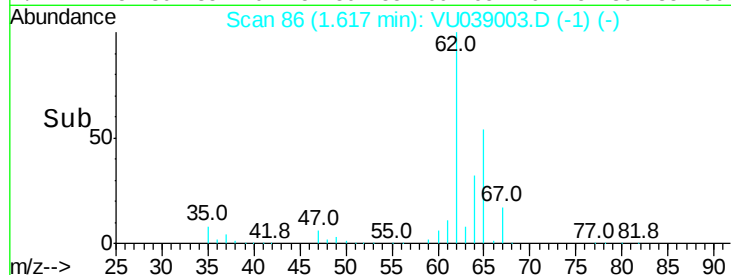
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 2.565 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.01 min

Lab File: VU039003.D

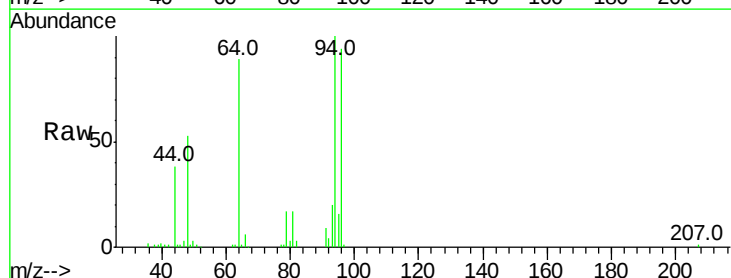
Acq: 22 Jun 2020 13:52

Tgt Ion: 94 Resp: 30341

Ion Ratio Lower Upper

94 100

96 93.6 68.0 126.4



Abundance Ion 94.00 (93.70 to 94.70): VU038991.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038991.D (-156) (-)

1.87

25000

20000

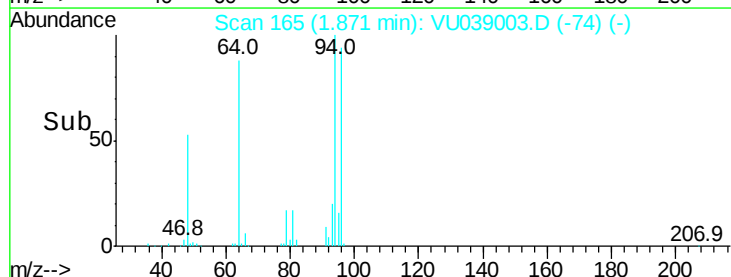
15000

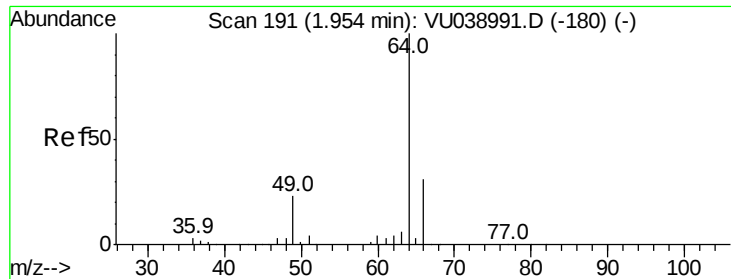
10000

5000

0

Time--> 1.85 1.90





#8

Chloroethane

Concen: 4.738 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.01 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

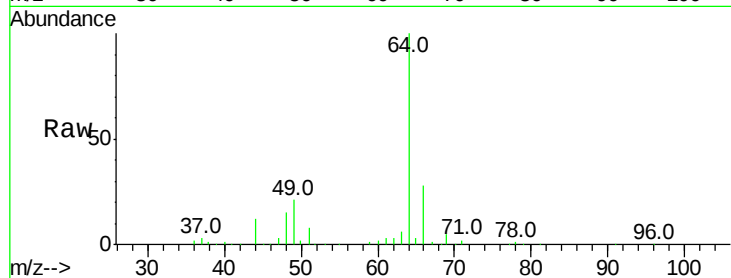
VSTD00502

Tgt Ion: 64 Resp: 83054

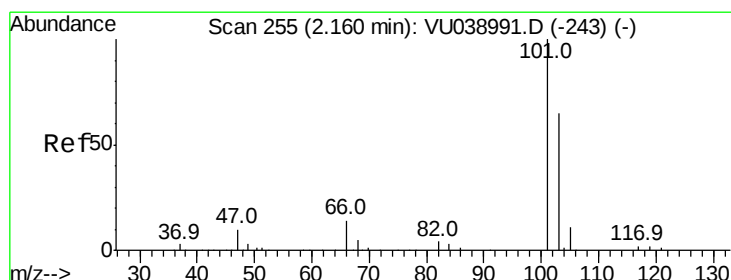
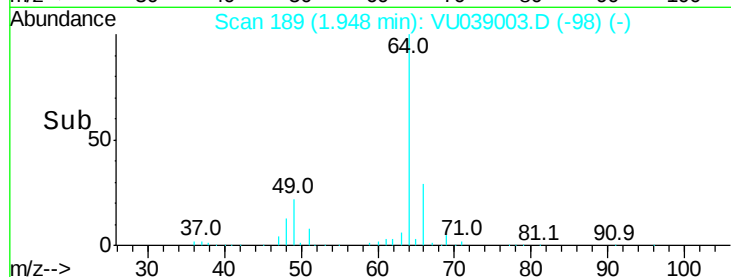
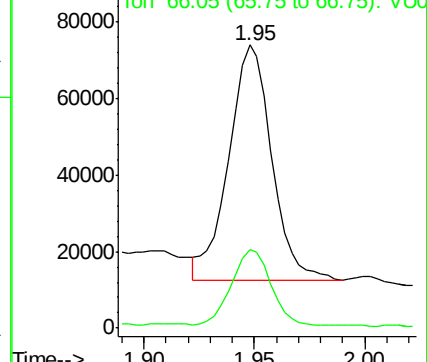
Ion Ratio Lower Upper

64 100

66 27.7 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU038991.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.416 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.01 min

Lab File: VU039003.D

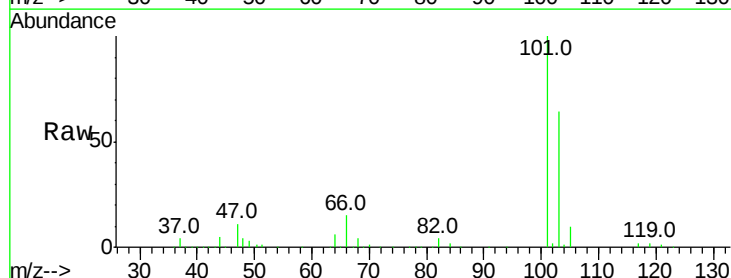
Acq: 22 Jun 2020 13:52

Tgt Ion: 101 Resp: 177136

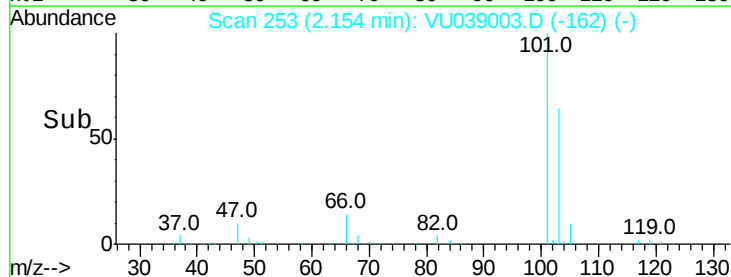
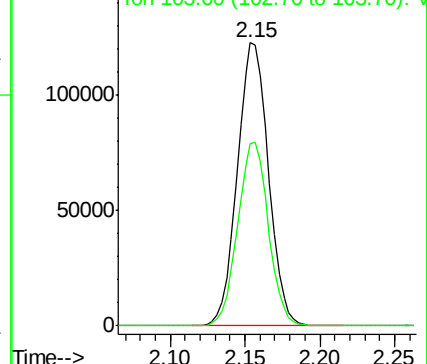
Ion Ratio Lower Upper

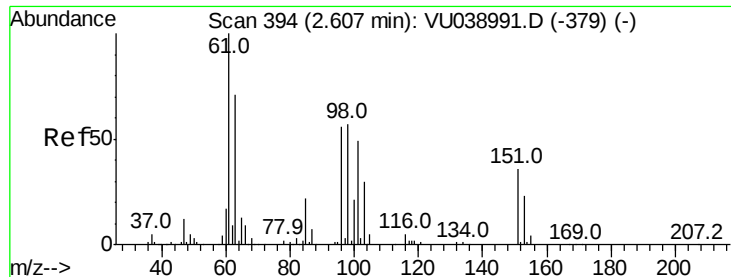
101 100

103 64.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038991.D (-243) (-)





#10

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

Concen: 4.374 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

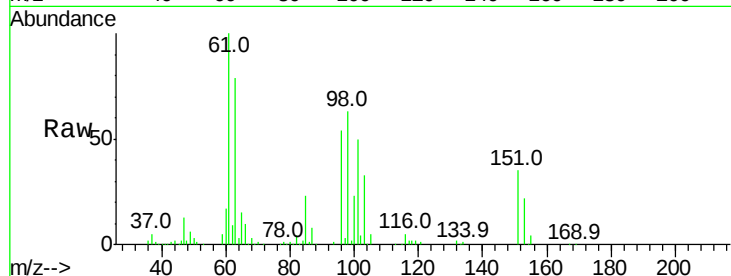
Tgt Ion:101 Resp: 103182

Ion Ratio Lower Upper

101 100

85 45.6 36.1 54.1

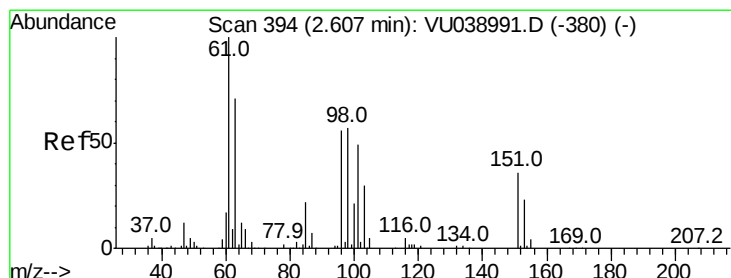
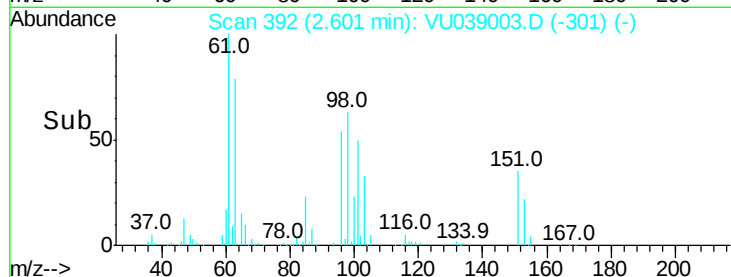
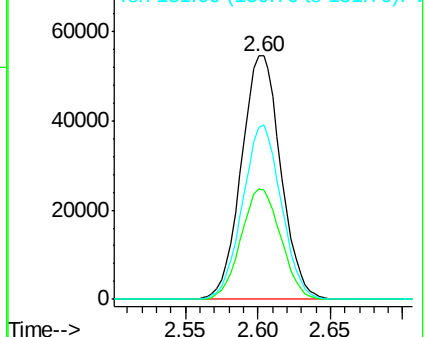
151 70.3 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.539 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

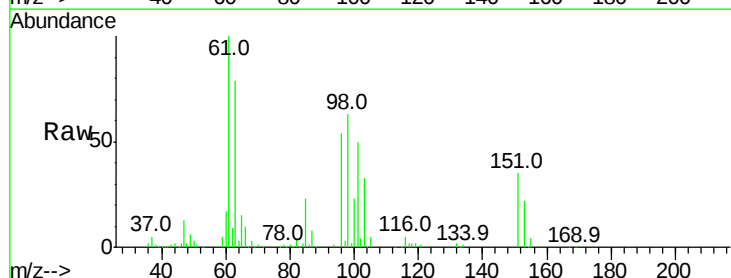
Tgt Ion: 96 Resp: 98067

Ion Ratio Lower Upper

96 100

61 183.9 126.0 234.0

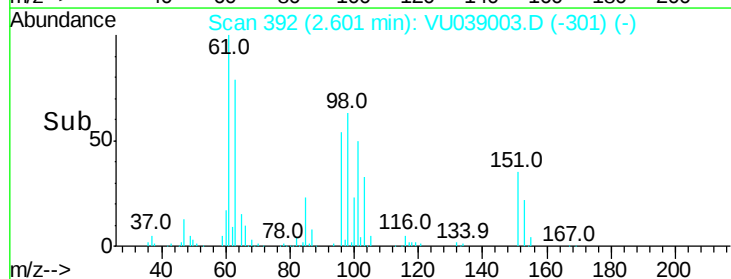
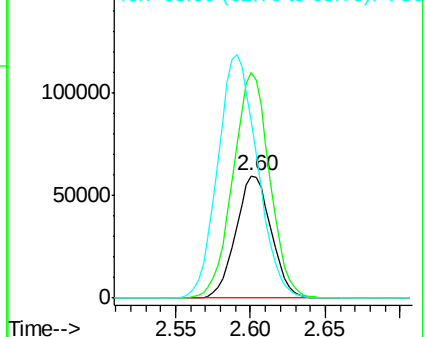
63 145.0 87.2 162.0

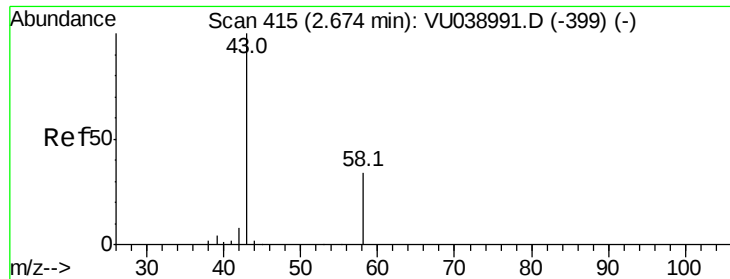


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.761 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

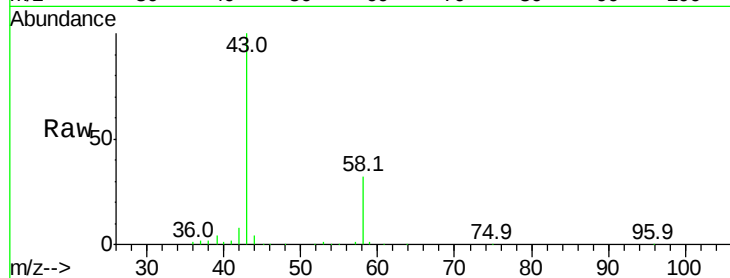
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion: 43 Resp: 223657

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU038991.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038991.D (-399) (-)

2.66

100000

80000

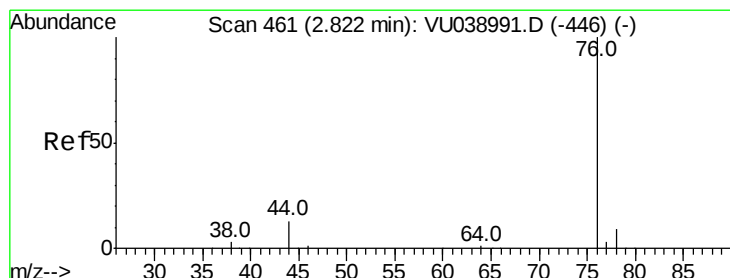
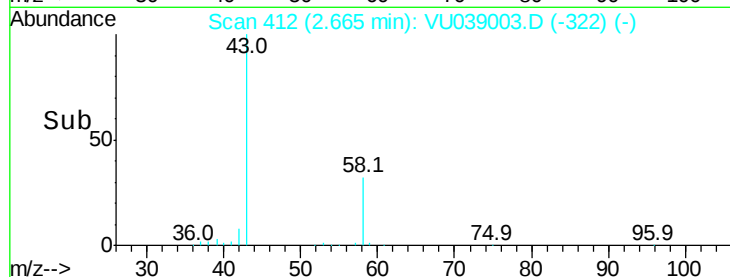
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.591 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.01 min

Lab File: VU039003.D

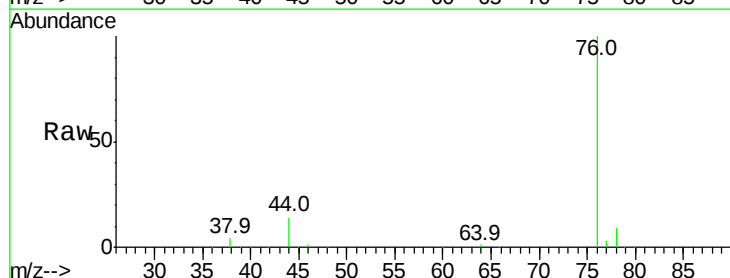
Acq: 22 Jun 2020 13:52

Tgt Ion: 76 Resp: 337999

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU038991.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038991.D (-446) (-)

2.82

200000

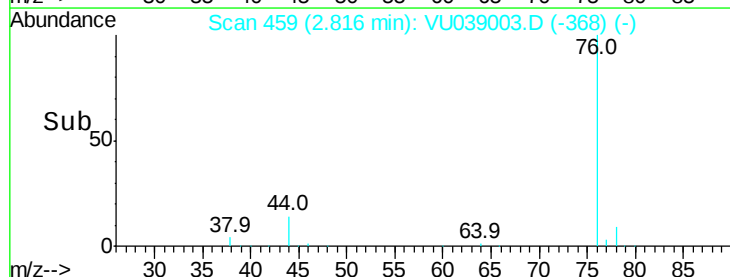
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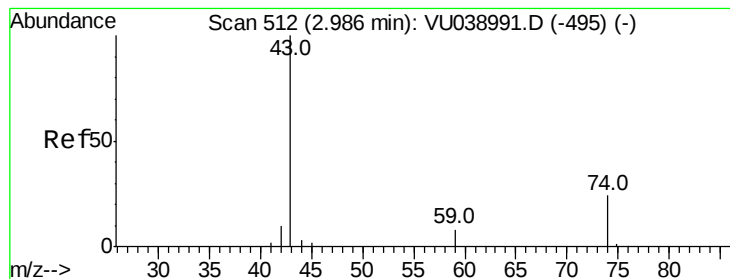
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 4.660 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

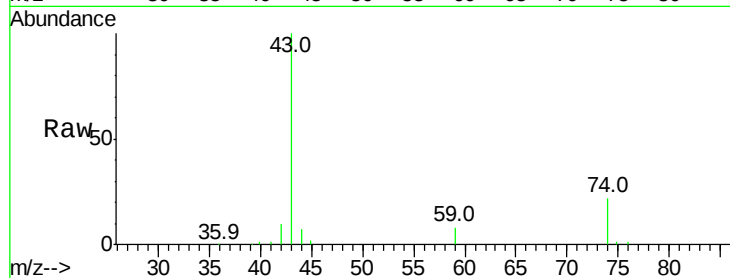
VSTD00502

Tgt Ion: 43 Resp: 57832

Ion Ratio Lower Upper

43 100

74 22.5 19.3 28.9



Abundance Ion 43.05 (42.75 to 43.75): VU038991.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU038991.D (-495) (-)

2.98

30000

20000

10000

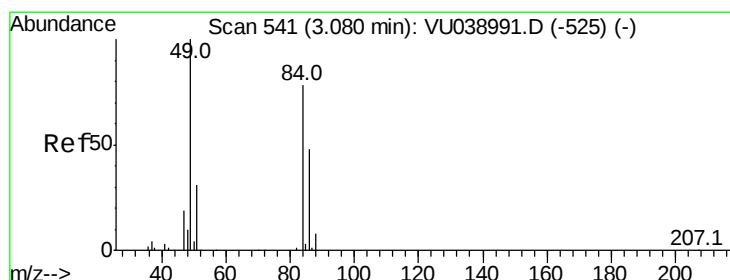
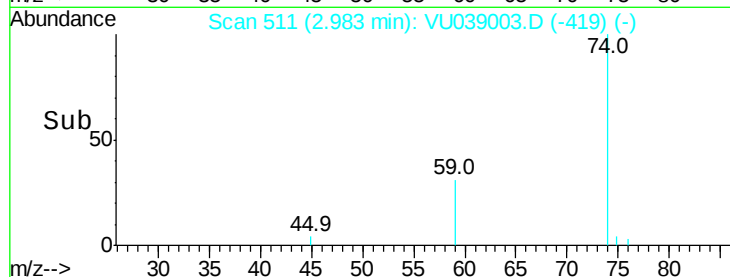
0

Time-->

2.90

3.00

3.10



#16

Methylene chloride

Concen: 4.233 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.01 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

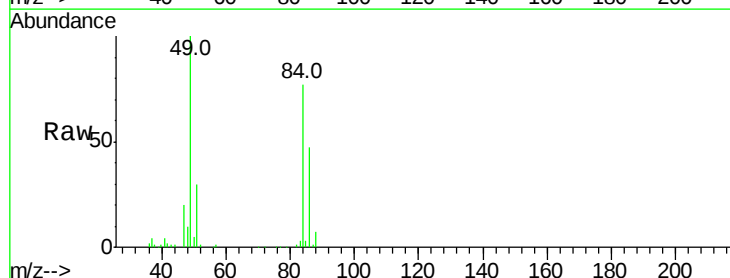
Tgt Ion: 84 Resp: 112489

Ion Ratio Lower Upper

84 100

86 61.6 45.1 83.7

49 129.9 90.3 167.7



Abundance Ion 84.05 (83.75 to 84.75): VU038991.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038991.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038991.D (-525) (-)

100000

80000

60000

40000

20000

0

Time-->

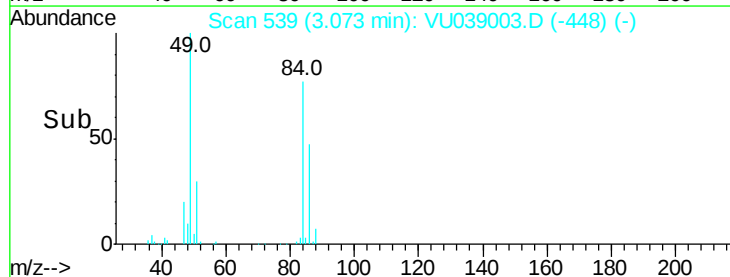
3.00

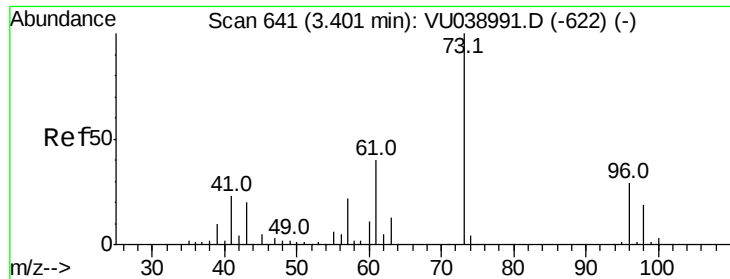
3.05

3.10

3.15

3.20

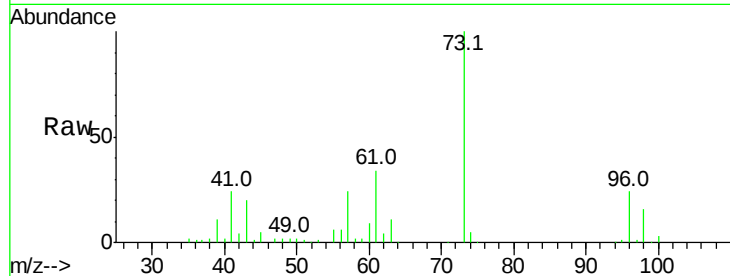




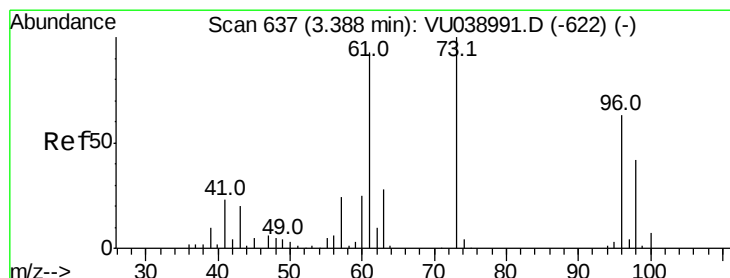
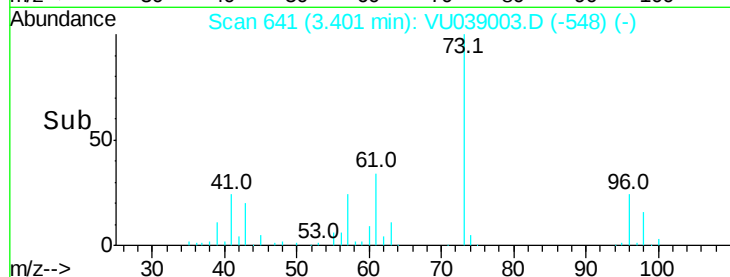
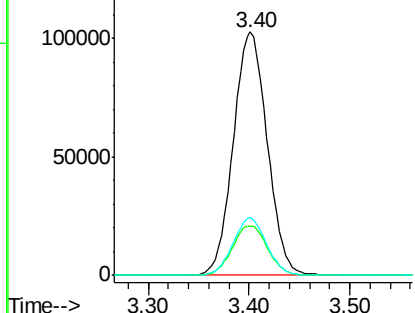
#17
Methyl tert-butyl Ether
Concen: 4.189 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion: 73 Resp: 239845
Ion Ratio Lower Upper
73 100
43 20.9 16.3 24.5
57 23.5 18.1 27.1

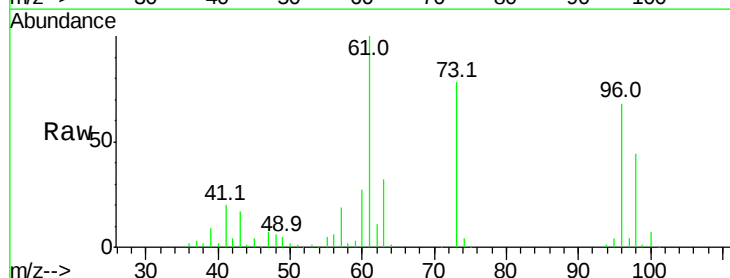


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

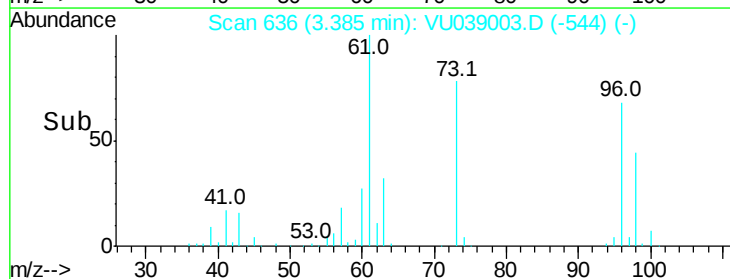
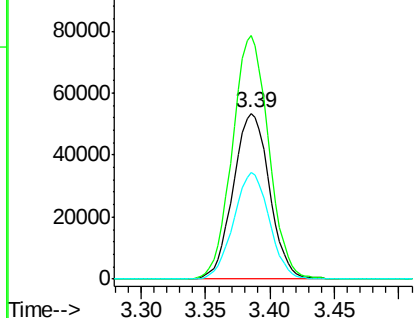


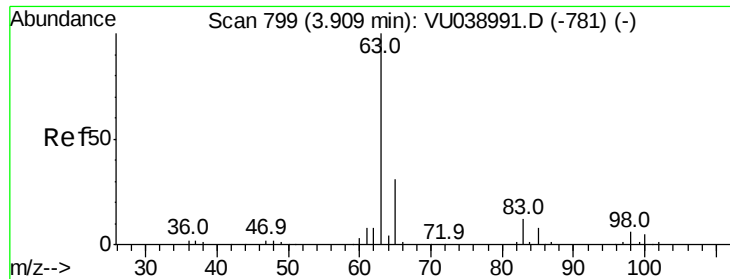
#18
trans-1,2-Dichloroethene
Concen: 4.597 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Tgt Ion: 96 Resp: 104919
Ion Ratio Lower Upper
96 100
61 146.6 101.8 189.2
98 64.3 44.0 81.6



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

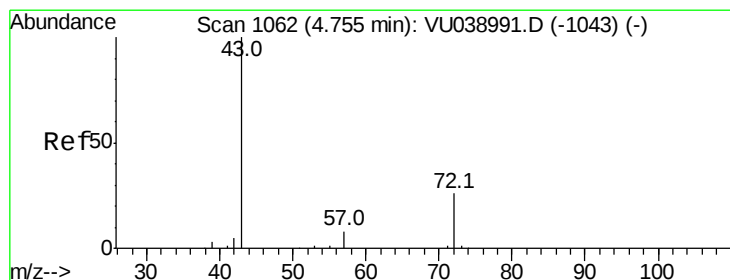
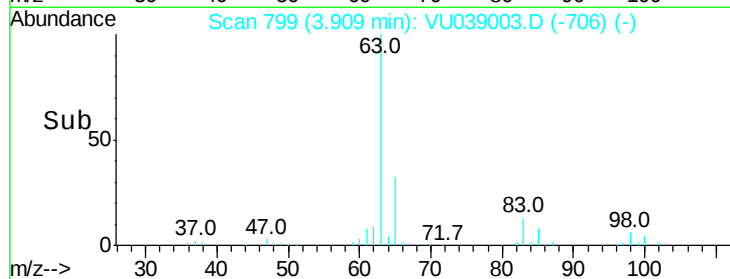
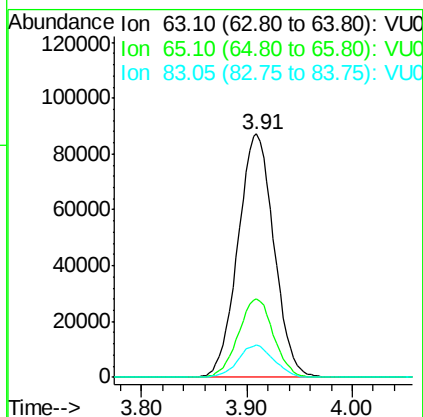
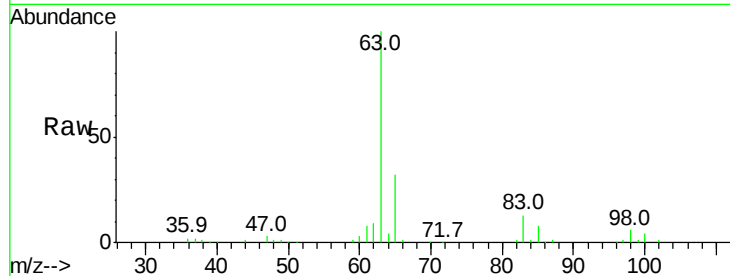




#19
 1,1-Dichloroethane
 Concen: 4.687 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

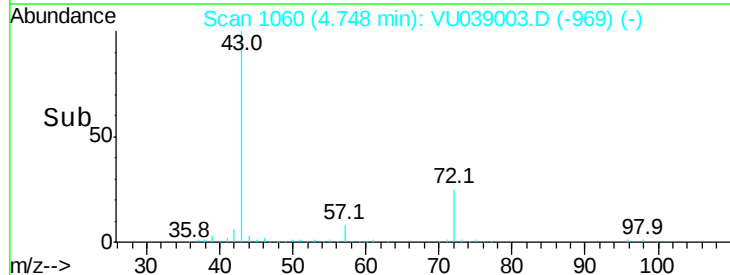
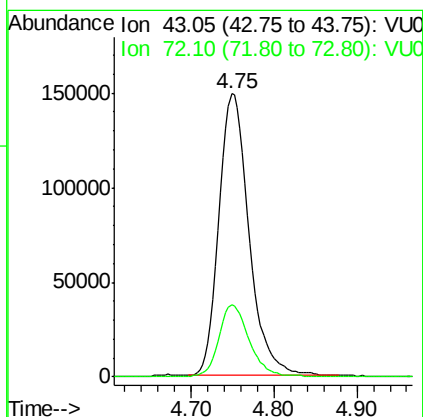
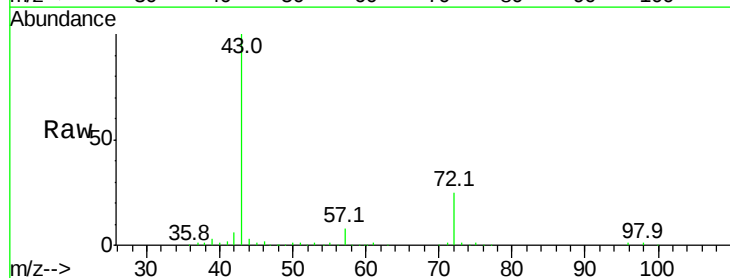
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

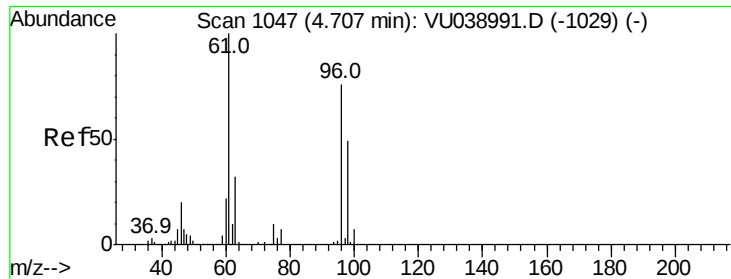
Tgt Ion: 63 Resp: 206574
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.5 39.9
 83 13.2 9.6 17.8



#21
 2-Butanone
 Concen: 46.600 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Tgt Ion: 43 Resp: 375617
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.0 38.9





#22

cis-1,2-Dichloroethene

Concen: 4.661 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

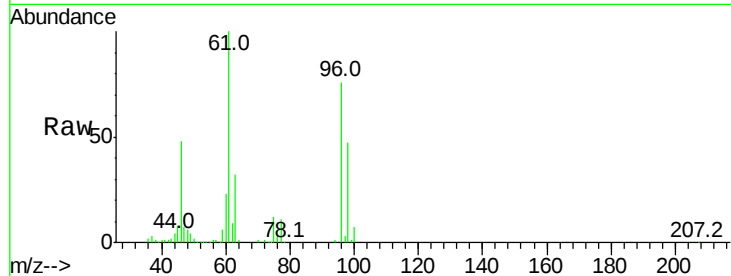
Tgt Ion: 96 Resp: 112782

Ion Ratio Lower Upper

96 100

61 131.4 94.0 174.6

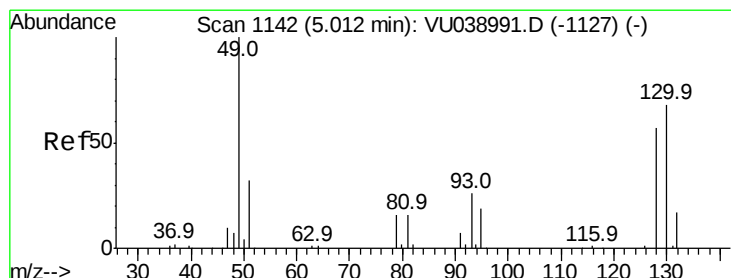
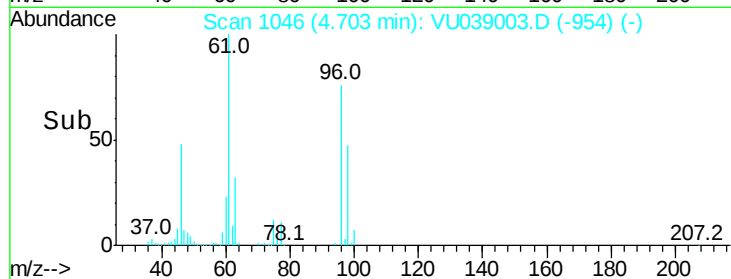
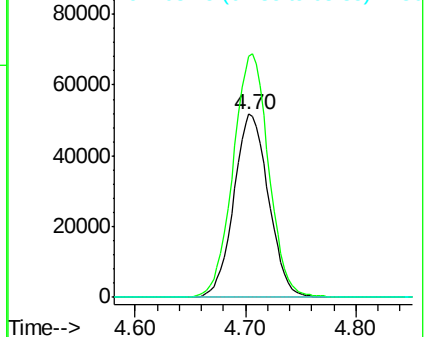
68 0.0 0.0 0.0



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: 4.735 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Tgt Ion: 128 Resp: 52285

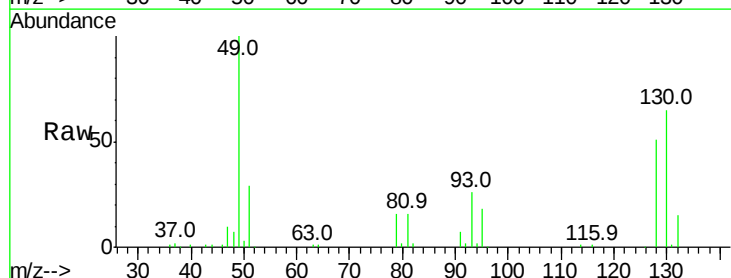
Ion Ratio Lower Upper

128 100

49 197.7 134.5 249.9

130 129.0 91.6 170.2

51 58.2 47.4 71.0

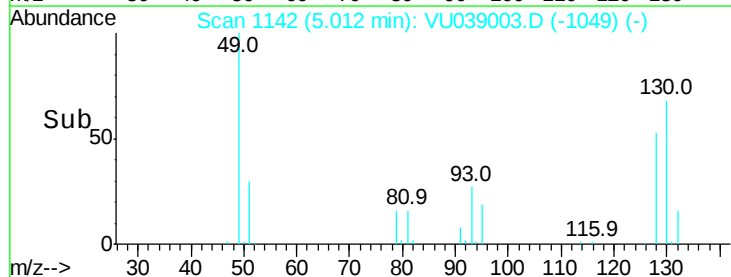
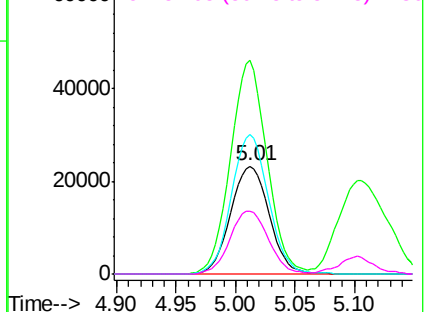


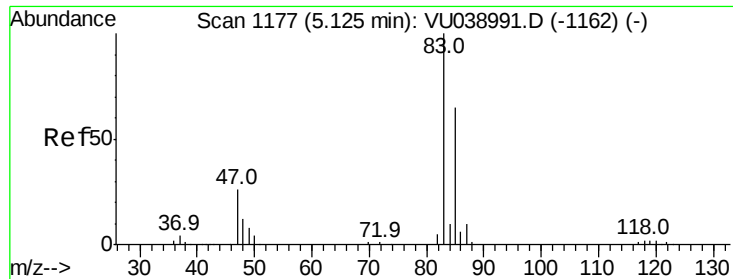
Abundance Ion 127.90 (127.60 to 128.60): V

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

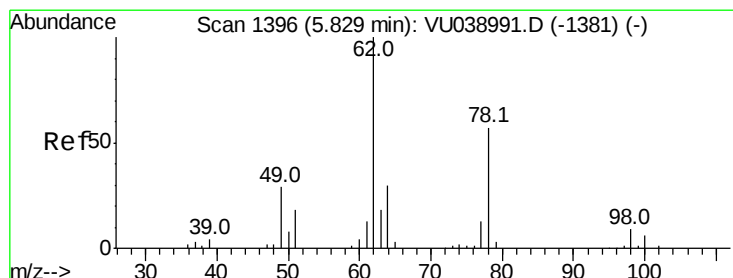
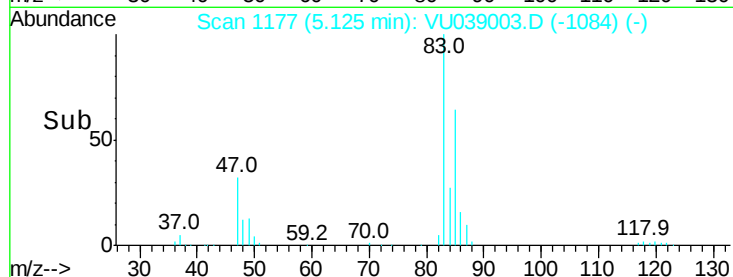
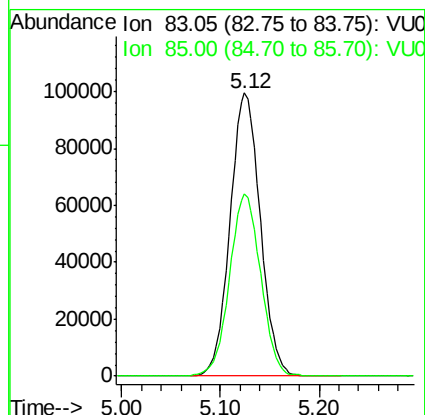
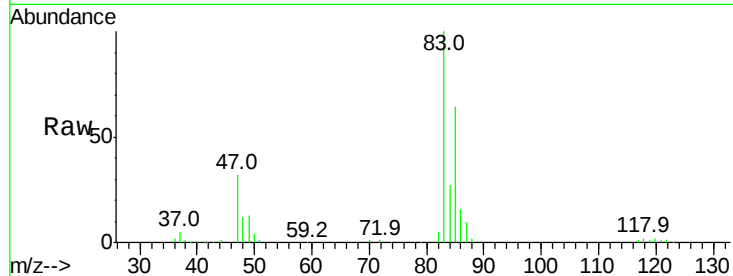




#25
Chloroform
Concen: 4.883 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

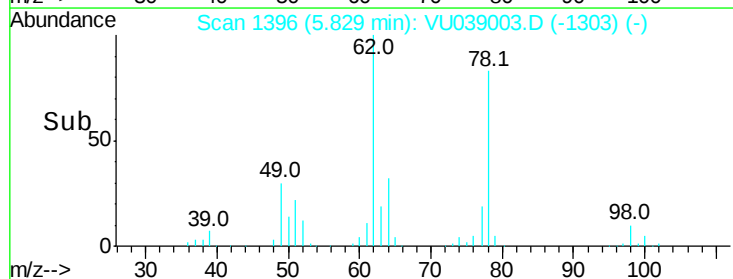
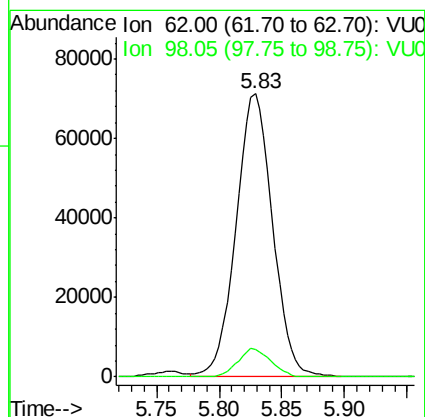
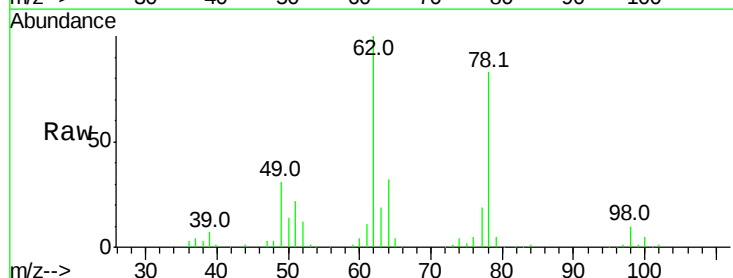
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

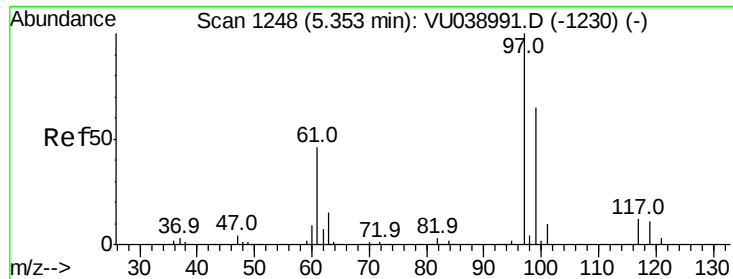
Tgt Ion: 83 Resp: 212198
Ion Ratio Lower Upper
83 100
85 64.2 47.0 87.2



#27
1,2-Dichloroethane
Concen: 4.577 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Tgt Ion: 62 Resp: 143435
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8

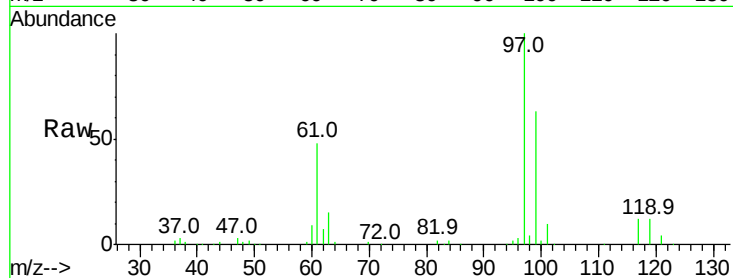




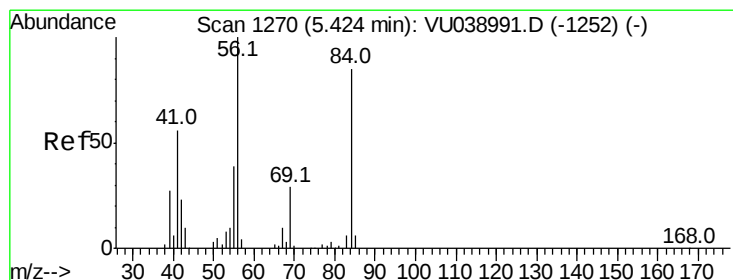
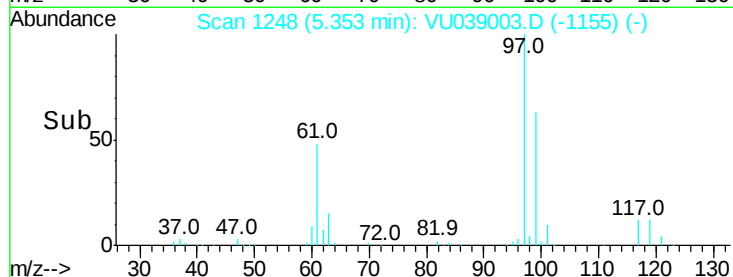
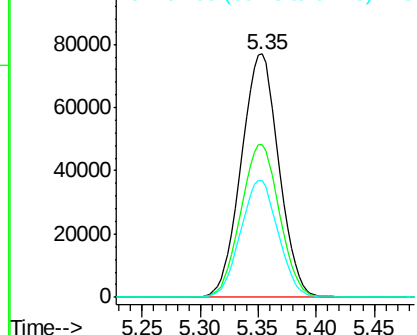
#29
 1,1,1-Trichloroethane
 Concen: 4.651 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion: 97 Resp: 173973
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.2 78.4
 61 47.8 36.9 55.3

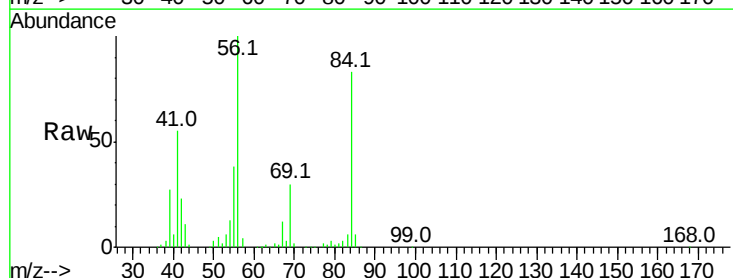


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

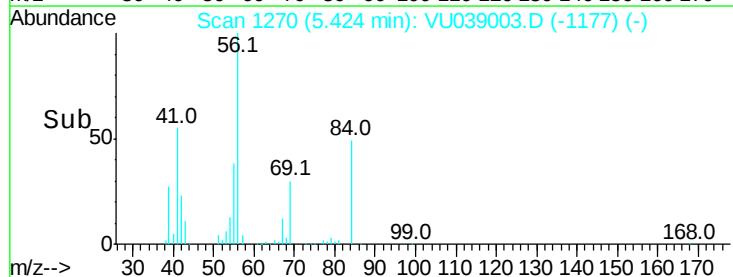
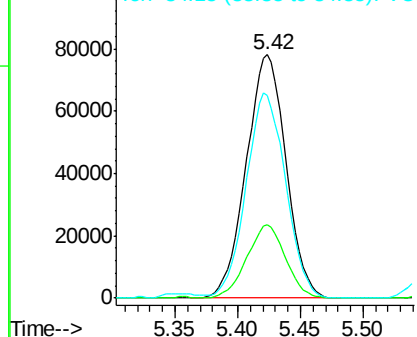


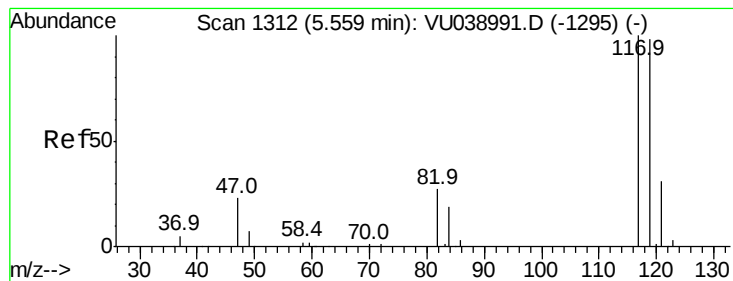
#30
 Cyclohexane
 Concen: 4.661 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Tgt Ion: 56 Resp: 172323
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.6 37.0
 84 83.9 66.8 100.2



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: 4.645 ug/L

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

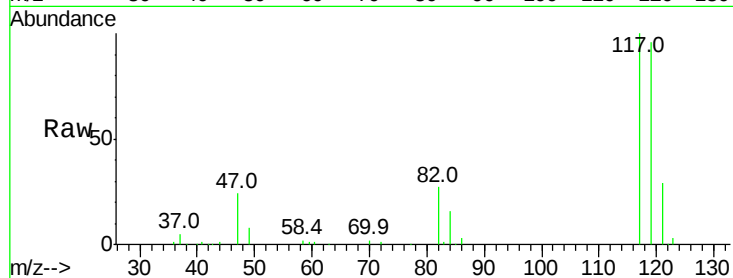
VSTD00502

Tgt Ion:117 Resp: 146060

Ion Ratio Lower Upper

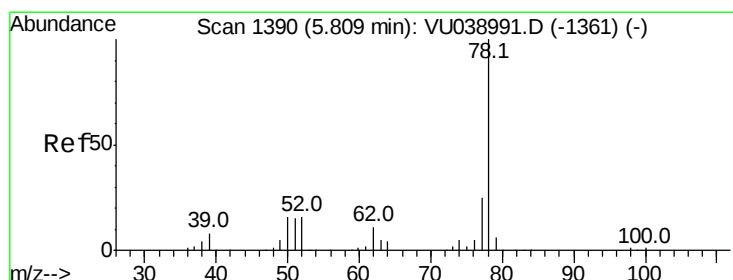
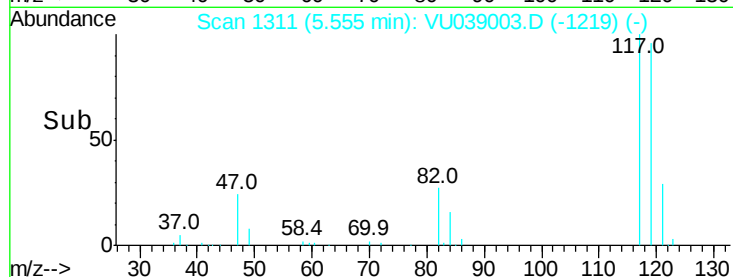
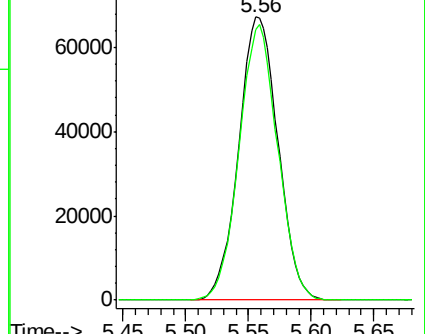
117 100

119 95.7 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.709 ug/L

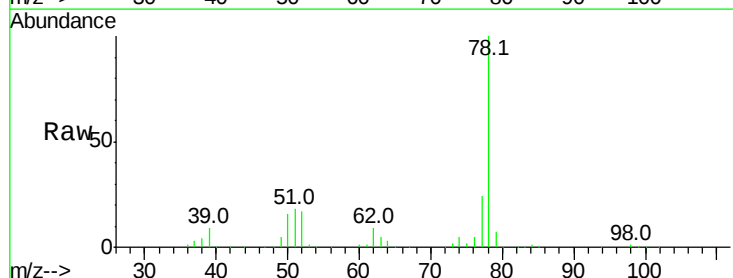
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU039003.D

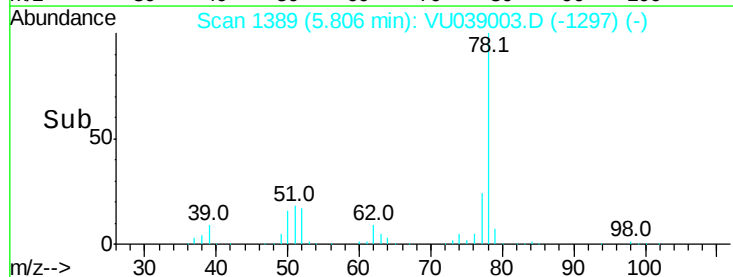
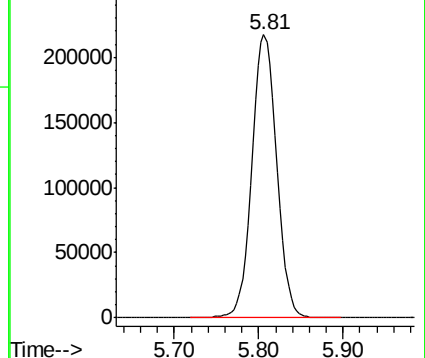
Acq: 22 Jun 2020 13:52

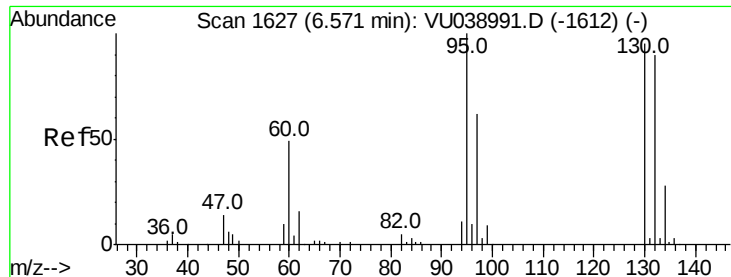
Tgt Ion: 78 Resp: 444998



Abundance Ion 78.10 (77.80 to 78.80): VU0

Time-->

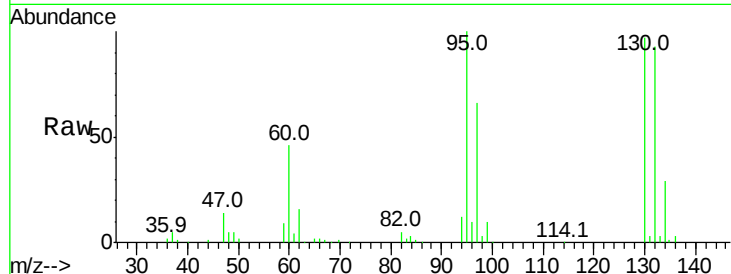




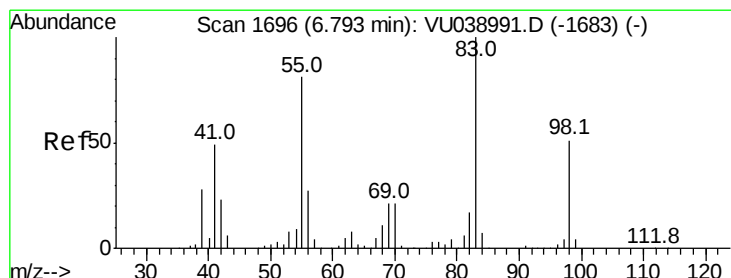
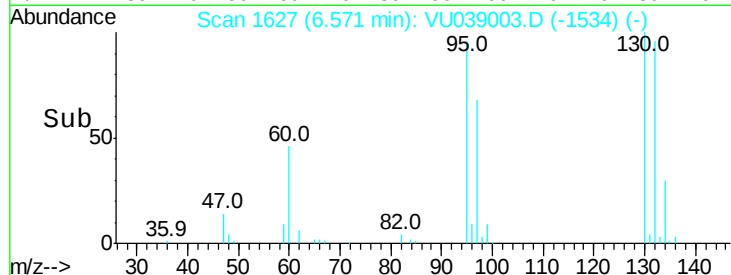
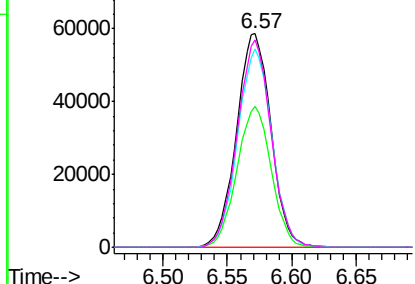
#34
 Trichloroethene
 Concen: 4.636 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion: 95 Resp: 109494
 Ion Ratio Lower Upper
 95 100
 97 65.7 44.0 81.6
 132 92.8 63.6 118.0
 130 97.1 68.3 126.8

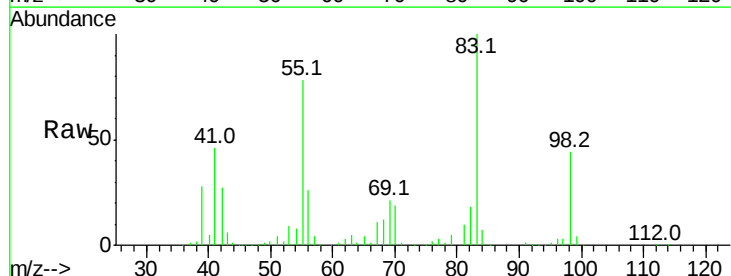


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

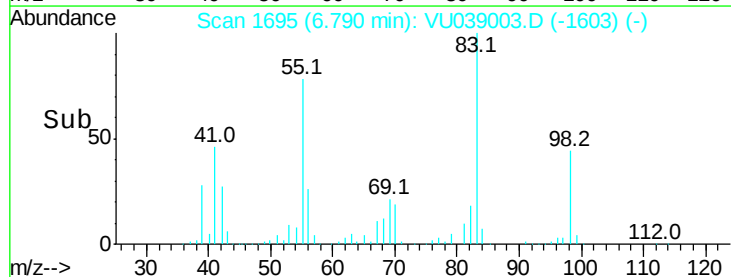
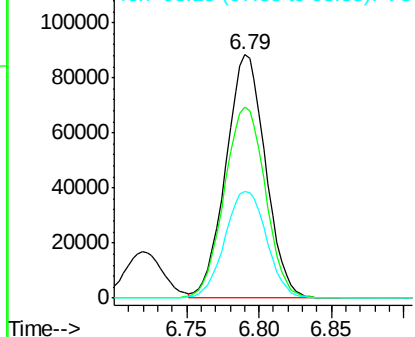


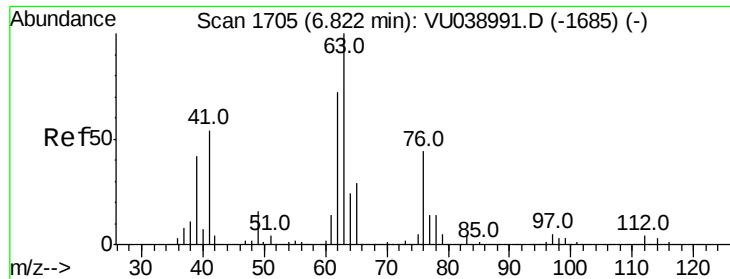
#35
 Methylcyclohexane
 Concen: 4.602 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Tgt Ion: 83 Resp: 167604
 Ion Ratio Lower Upper
 83 100
 55 81.4 64.2 96.2
 98 46.2 37.3 55.9



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

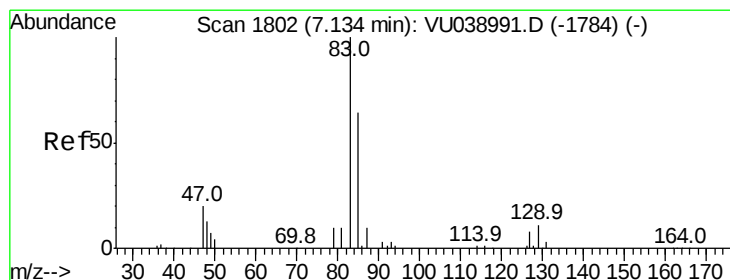
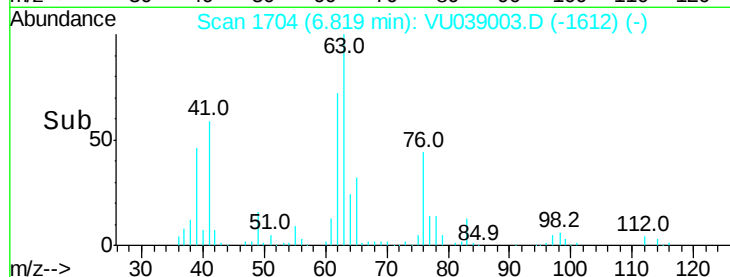
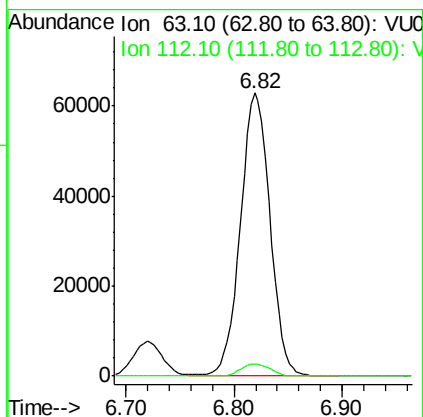
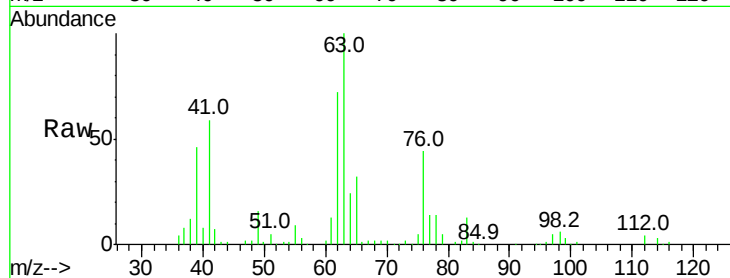




#37
 1,2-Dichloropropane
 Concen: 4.721 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

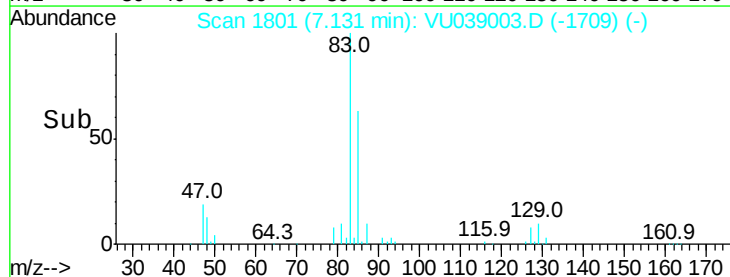
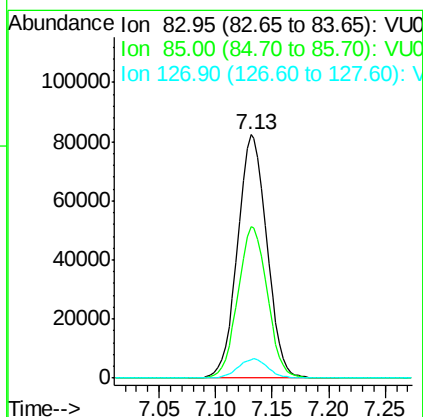
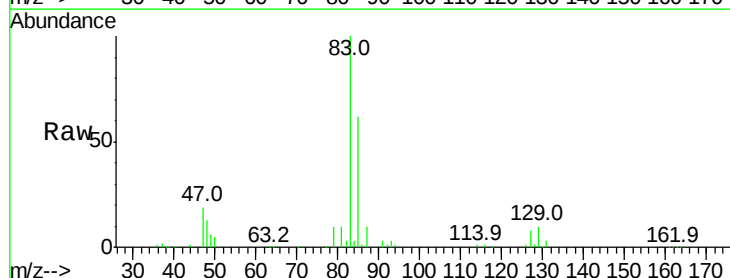
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

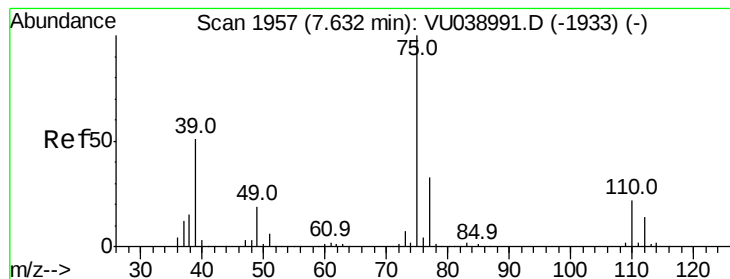
Tgt Ion: 63 Resp: 120312
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.498 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Tgt Ion: 83 Resp: 149100
 Ion Ratio Lower Upper
 83 100
 85 62.3 45.5 84.5
 127 7.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.229 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampled :

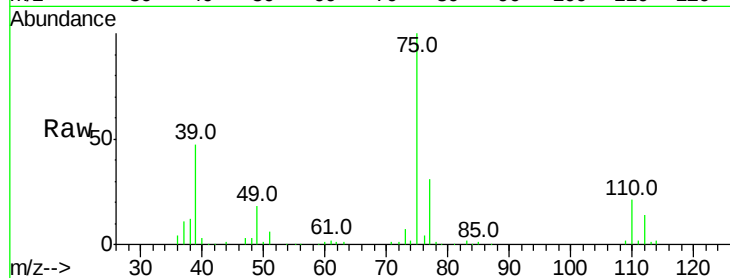
VSTD00502

Tgt Ion: 75 Resp: 170316

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038991.D (-1933) (-)

Ion 77.05 (76.75 to 77.75): VU038991.D (-1933) (-)

7.63

100000

80000

60000

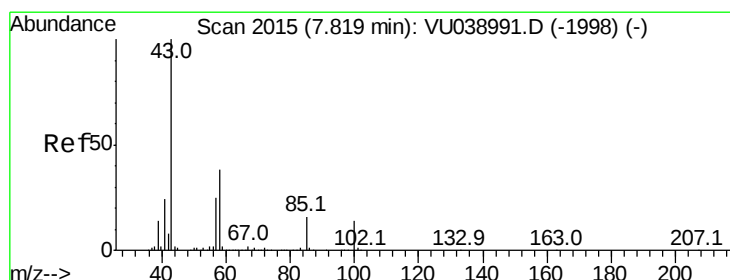
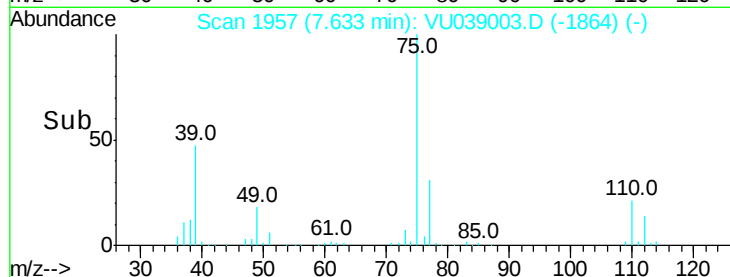
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 40.914 ug/L

RT: 7.82 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

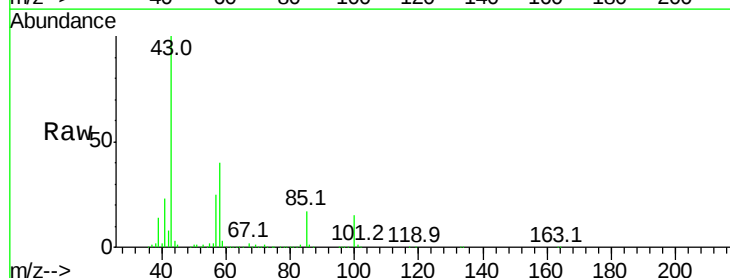
Tgt Ion: 43 Resp: 884071

Ion Ratio Lower Upper

43 100

58 39.2 29.5 44.3

100 14.5 11.0 16.4



Abundance Ion 43.05 (42.75 to 43.75): VU038991.D (-1998) (-)

Ion 58.05 (57.75 to 58.75): VU038991.D (-1998) (-)

Ion 100.15 (99.85 to 100.85): VU038991.D (-1998) (-)

7.82

600000

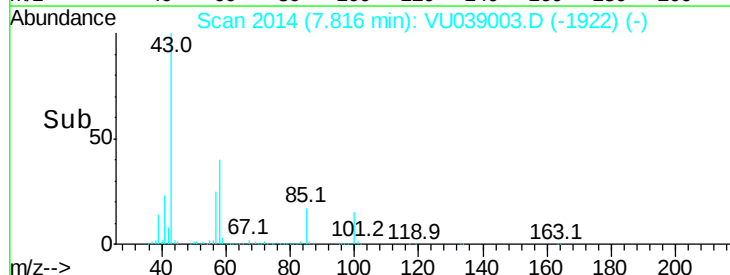
400000

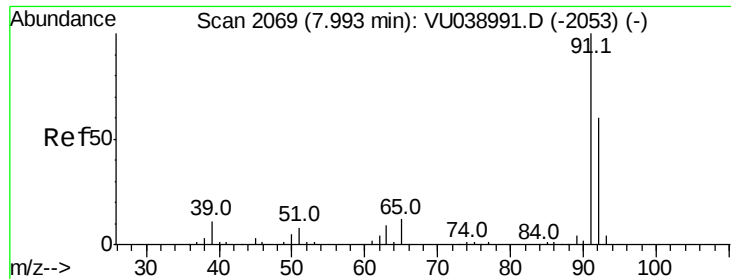
200000

0

7.70 7.80 7.90

Time-->





#42

Toluene

Concen: 4.388 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

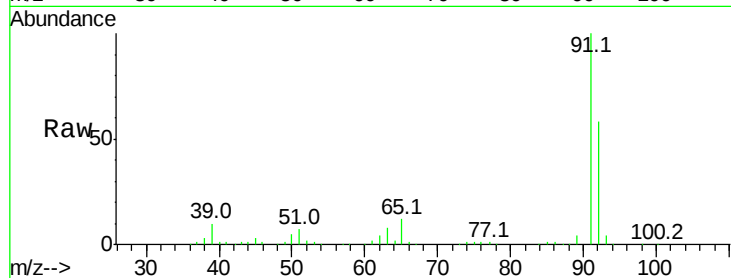
VSTD00502

Tgt Ion: 91 Resp: 463460

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU038991.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038991.D (-2053) (-)

7.99

300000

250000

200000

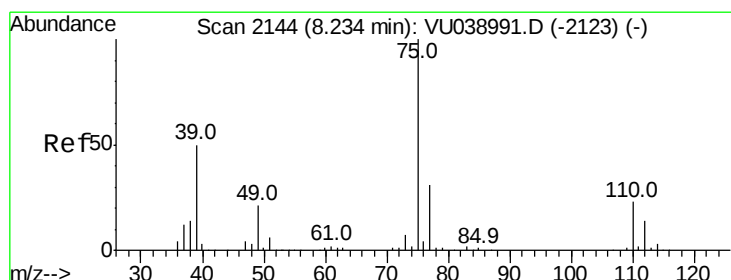
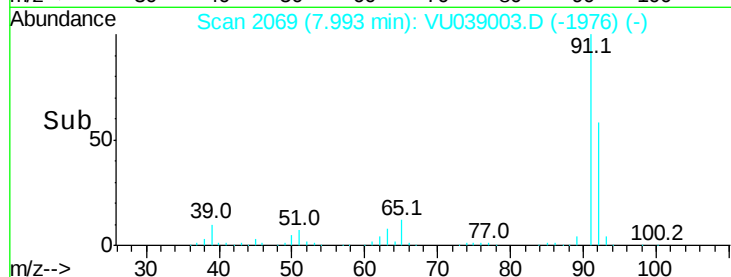
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.374 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039003.D

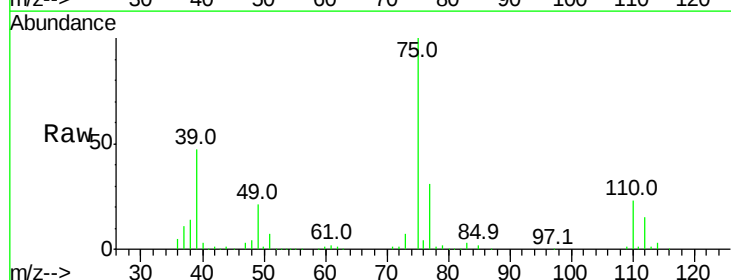
Acq: 22 Jun 2020 13:52

Tgt Ion: 75 Resp: 154282

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038991.D (-2123) (-)

Ion 77.05 (76.75 to 77.75): VU038991.D (-2123) (-)

8.23

100000

80000

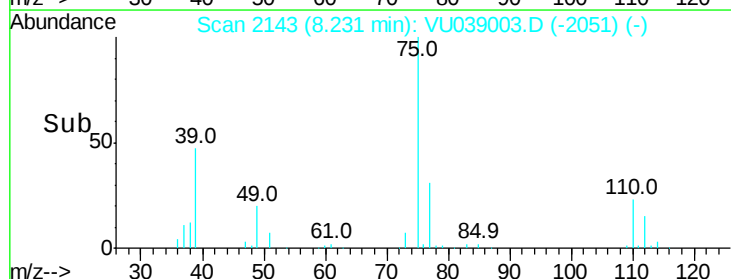
60000

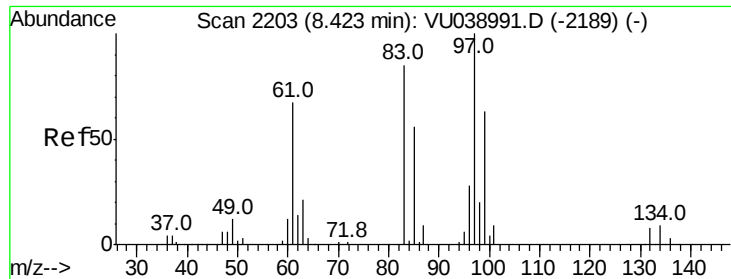
40000

20000

0

Time-->

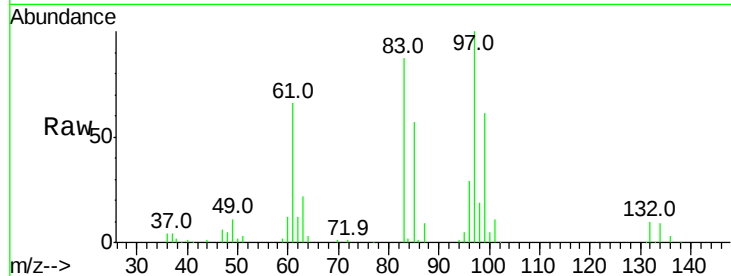




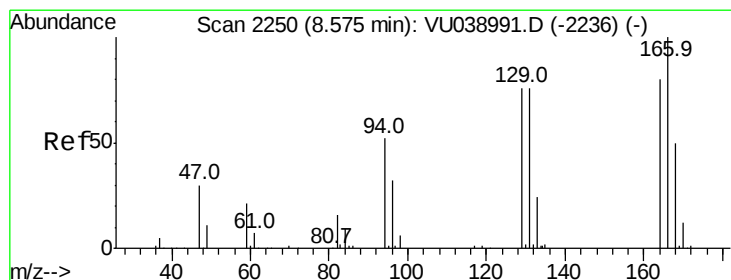
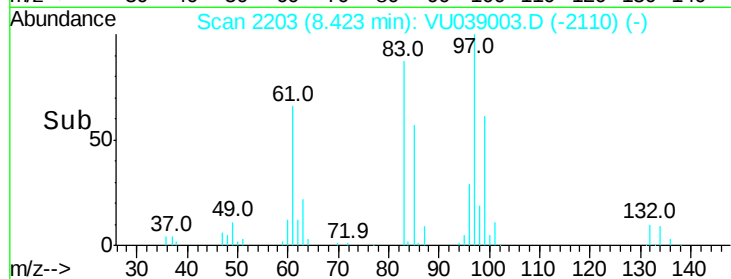
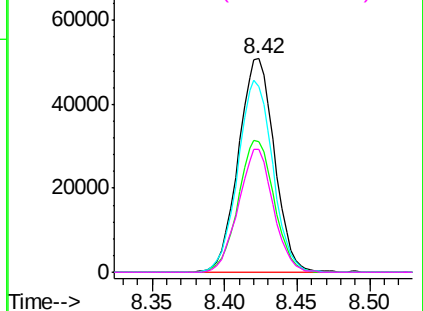
#45
 1,1,2-Trichloroethane
 Concen: 4.364 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:	97	Resp:	87842
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.0	81.8
83	87.0	63.6	118.0
85	57.4	39.7	73.7

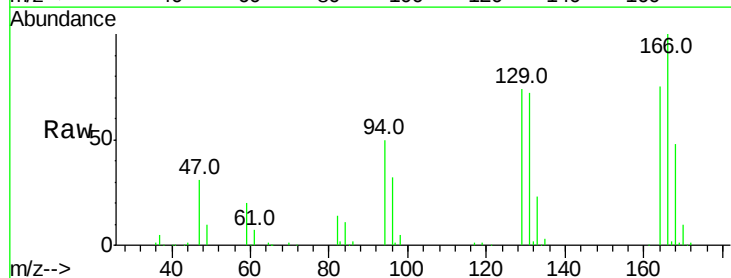


Abundance Ion 96.95 (96.65 to 97.65): VU038991.D (-2189) (-)
 Ion 99.05 (98.75 to 99.75): VU038991.D (-2189) (-)
 Ion 82.95 (82.65 to 83.65): VU038991.D (-2189) (-)
 Ion 85.00 (84.70 to 85.70): VU038991.D (-2189) (-)

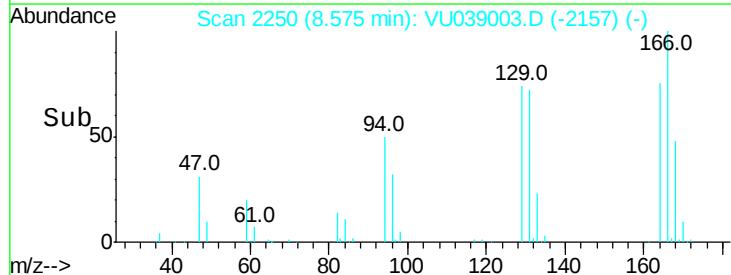
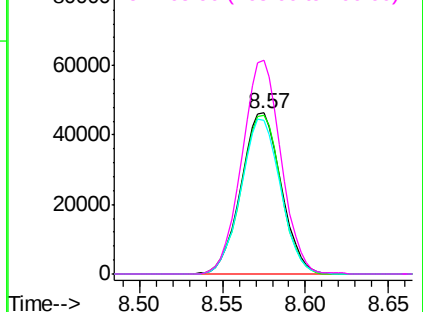


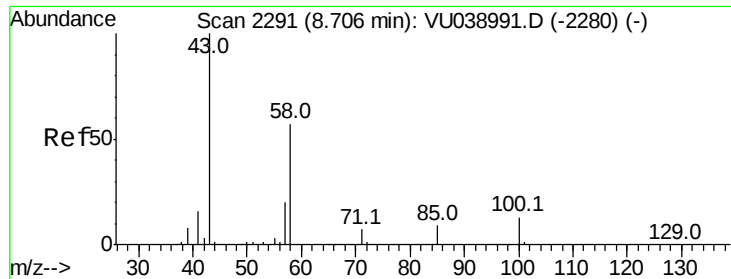
#47
 Tetrachloroethene
 Concen: 4.346 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Tgt Ion:	164	Resp:	78082
Ion	Ratio	Lower	Upper
164	100		
129	98.9	69.7	129.5
131	95.6	65.0	120.8
166	132.9	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): VU038991.D (-2236) (-)
 Ion 128.95 (128.65 to 129.65): VU038991.D (-2236) (-)
 Ion 130.95 (130.65 to 131.65): VU038991.D (-2236) (-)
 Ion 165.90 (165.60 to 166.60): VU038991.D (-2236) (-)

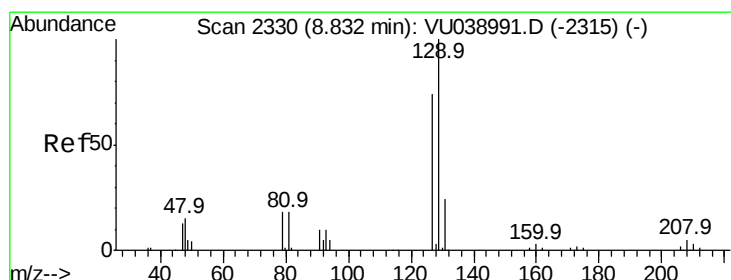
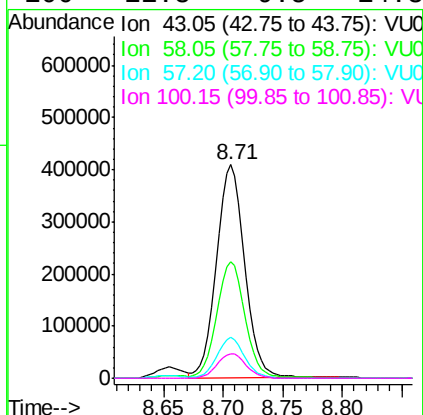
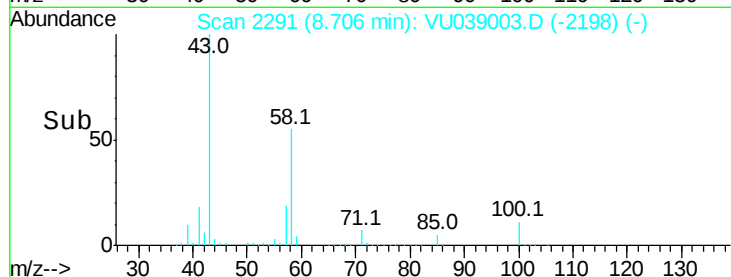
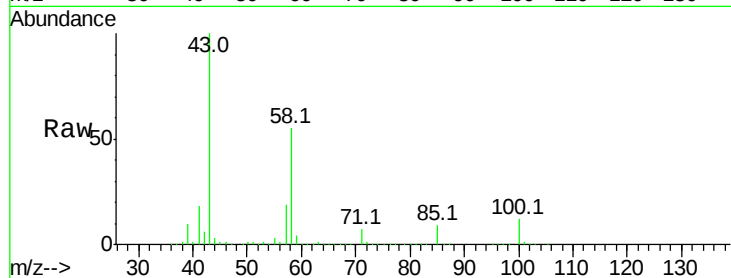




#48
2-Hexanone
Concen: 46.611 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

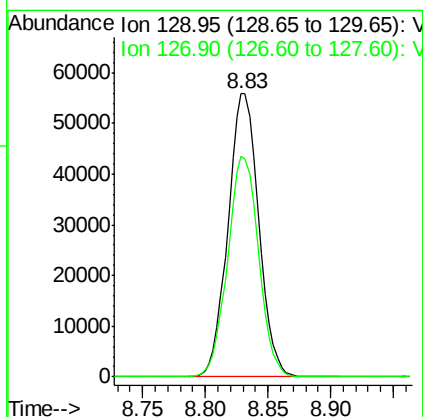
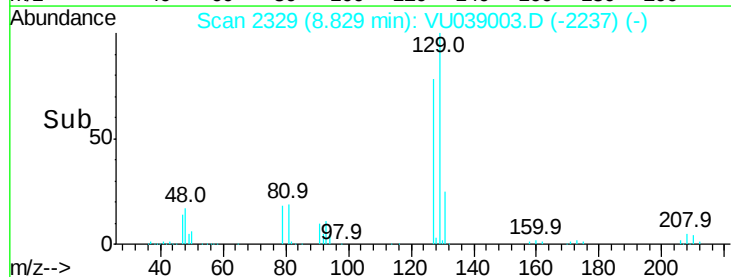
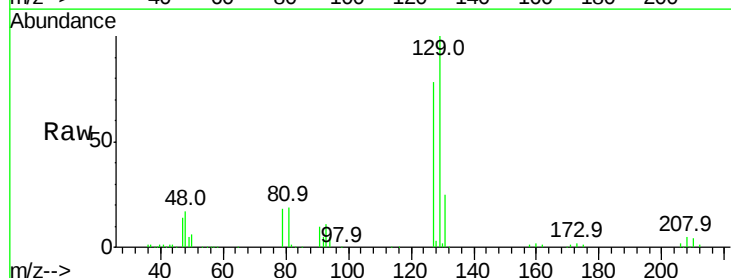
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

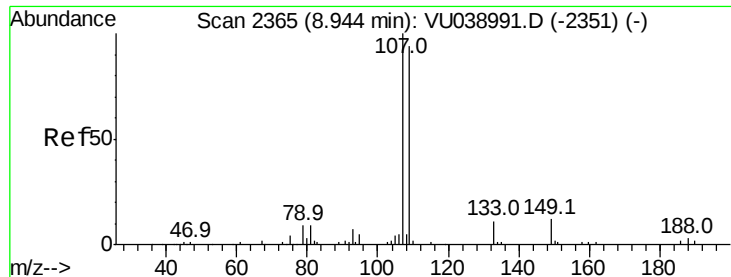
Tgt Ion: 43 Resp: 674722
Ion Ratio Lower Upper
43 100
58 54.4 43.2 64.8
57 18.7 15.2 22.8
100 11.8 9.5 14.3



#49
Dibromochloromethane
Concen: 4.377 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Tgt Ion: 129 Resp: 95158
Ion Ratio Lower Upper
129 100
127 78.1 55.1 102.3

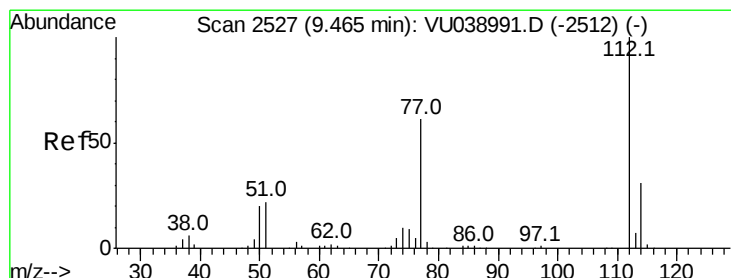
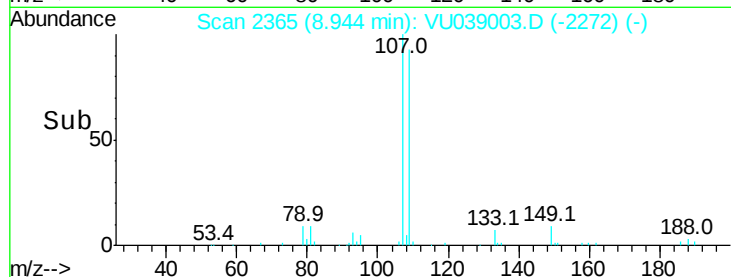
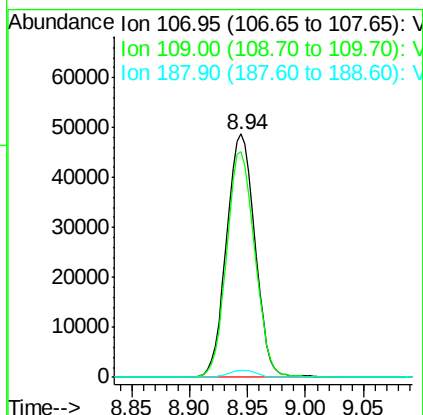
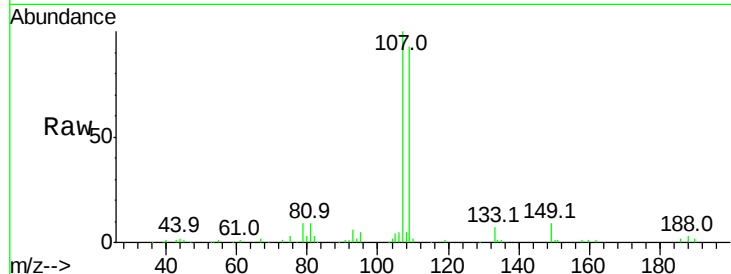




#50
1,2-Dibromoethane
Concen: 4.420 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

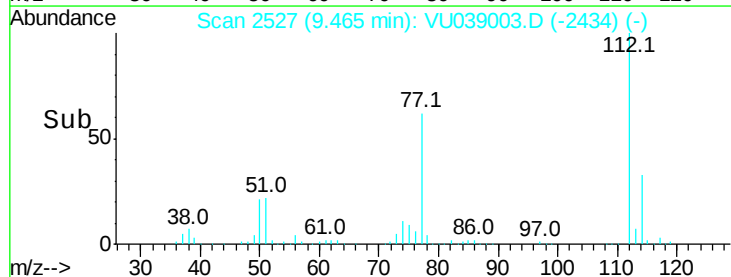
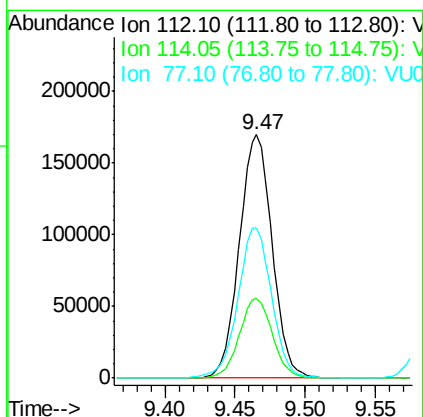
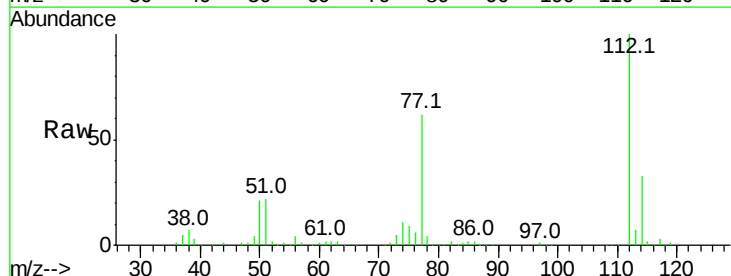
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

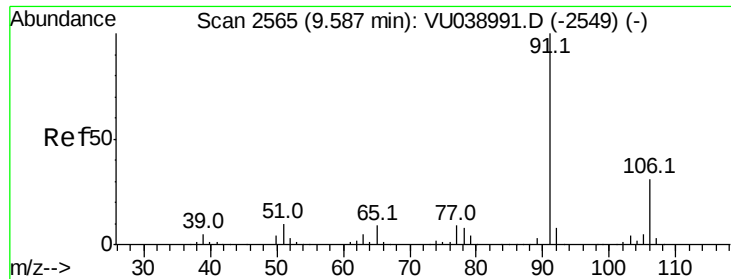
Tgt Ion:107 Resp: 82547
Ion Ratio Lower Upper
107 100
109 92.8 65.5 121.6
188 2.7 3.0 4.4#



#51
Chlorobenzene
Concen: 4.499 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Tgt Ion:112 Resp: 276835
Ion Ratio Lower Upper
112 100
114 32.9 22.0 41.0
77 61.5 49.0 73.4

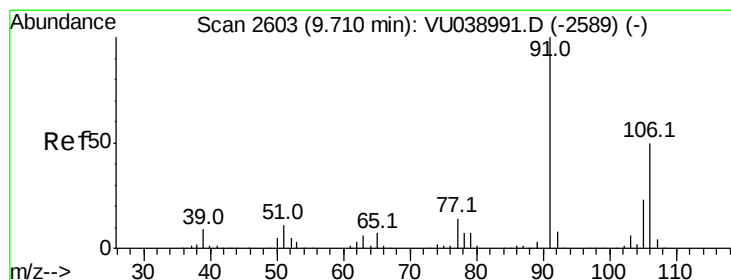
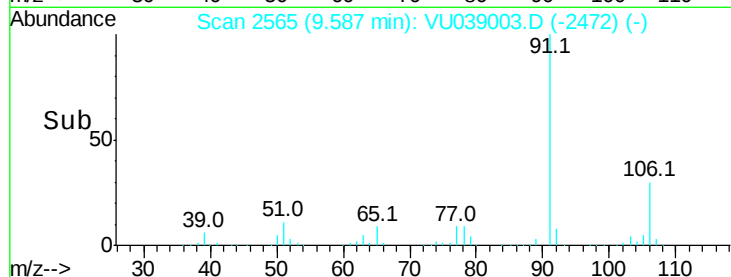
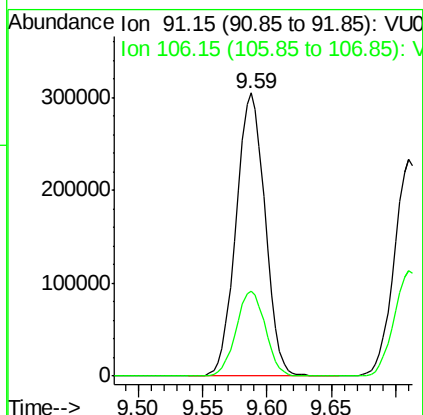
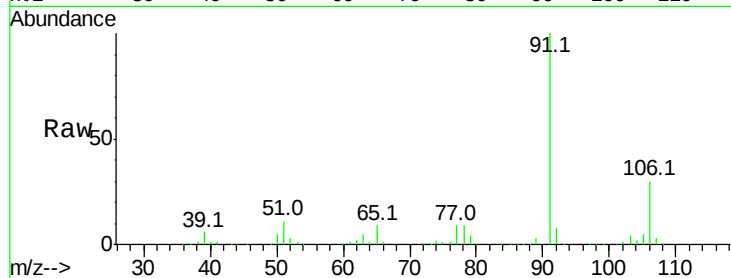




#52
Ethylbenzene
Concen: 4.492 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

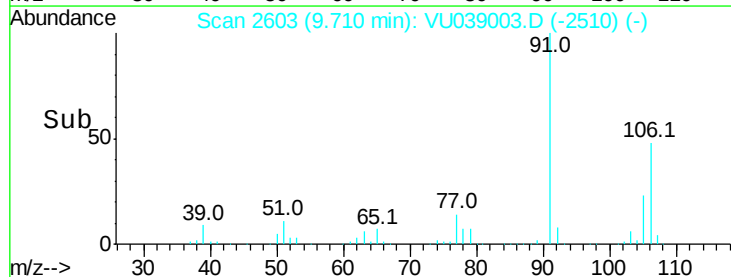
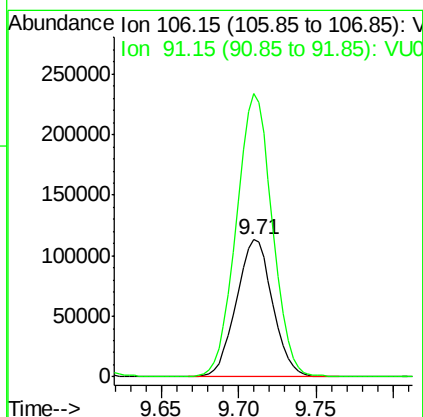
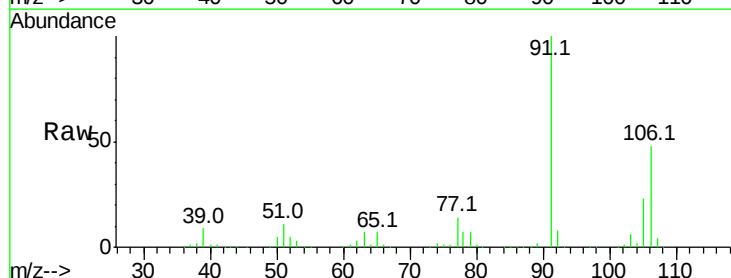
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

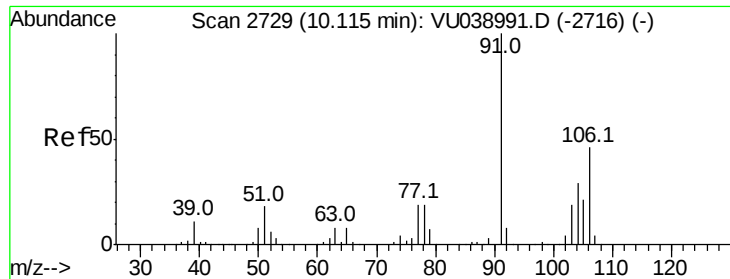
Tgt Ion: 91 Resp: 475679
Ion Ratio Lower Upper
91 100
106 30.2 21.4 39.8



#53
m,p-Xylene
Concen: 4.633 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Tgt Ion: 106 Resp: 184579
Ion Ratio Lower Upper
106 100
91 206.3 140.8 261.6

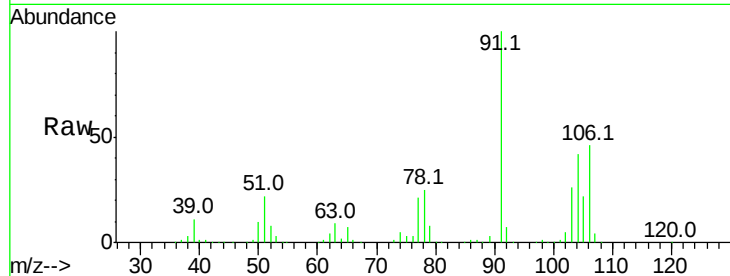




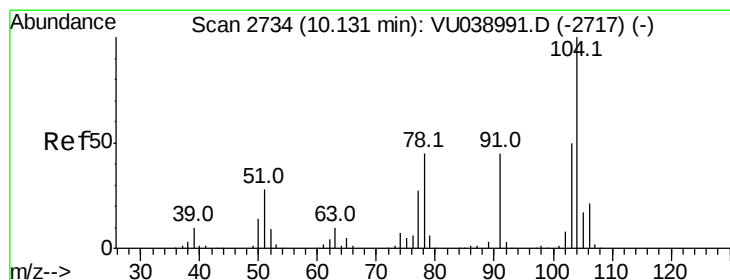
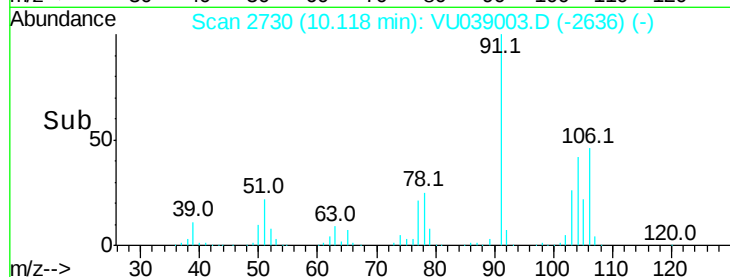
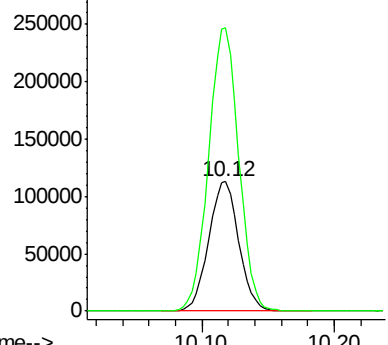
#54
o-Xylene
Concen: 4.594 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion:106 Resp: 177613
Ion Ratio Lower Upper
106 100
91 219.0 148.2 275.2

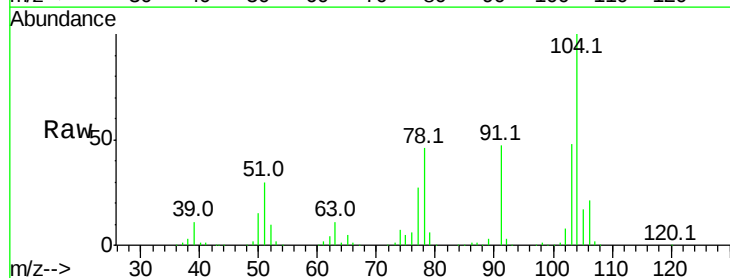


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

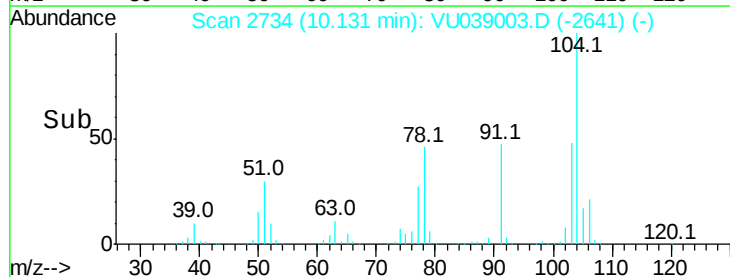
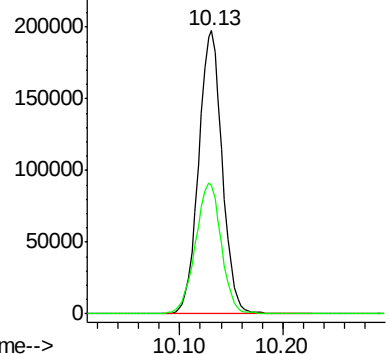


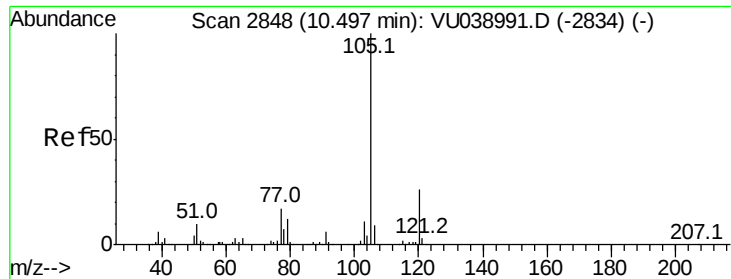
#55
Styrene
Concen: 4.737 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU039003.D
Acq: 22 Jun 2020 13:52

Tgt Ion:104 Resp: 314368
Ion Ratio Lower Upper
104 100
78 45.5 32.0 59.4



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





#56

Isopropylbenzene

Concen: 4.637 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

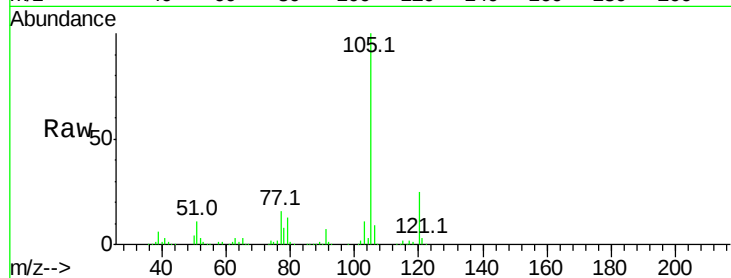
Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

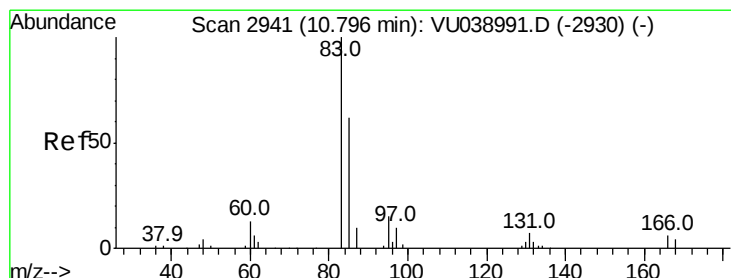
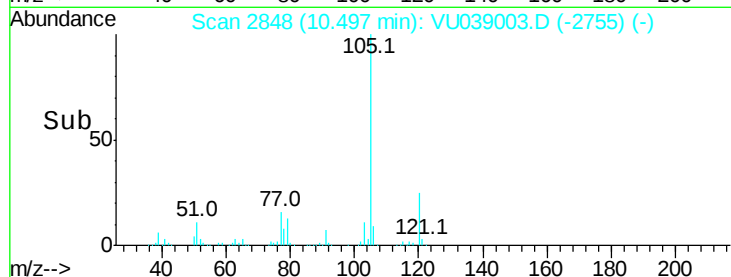
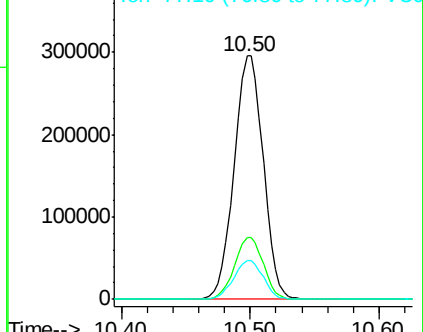
Tgt Ion:	105	Resp:	464566
Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.7	31.1
77	16.2	12.9	19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.576 ug/L

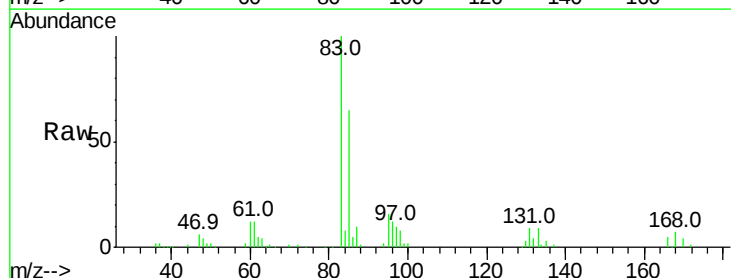
RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

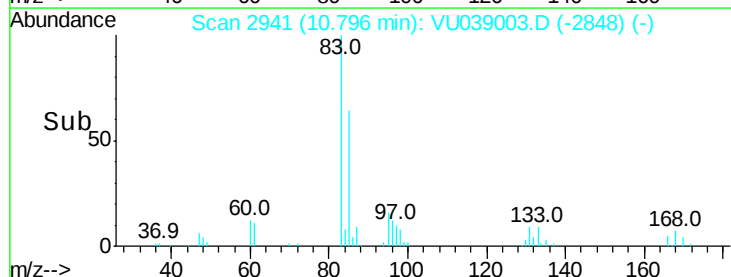
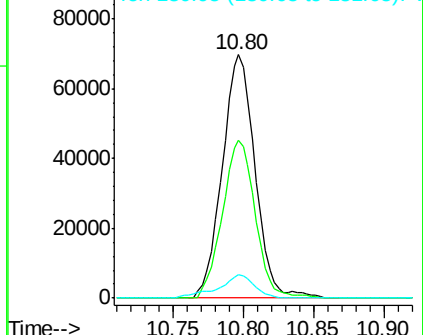
Tgt Ion:	83	Resp:	113088
Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.6	84.6
131	9.5	7.0	10.6

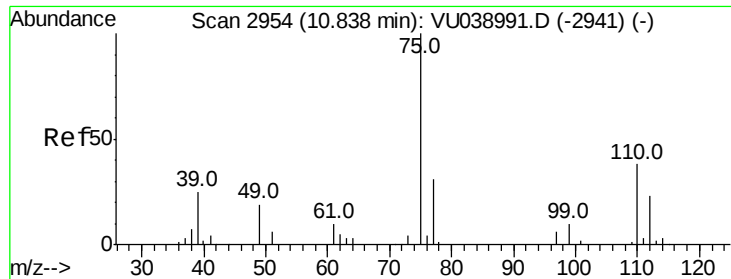


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

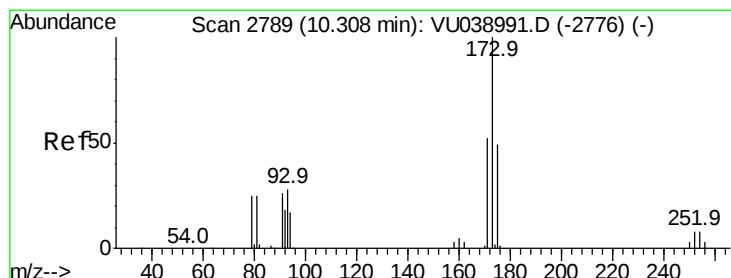
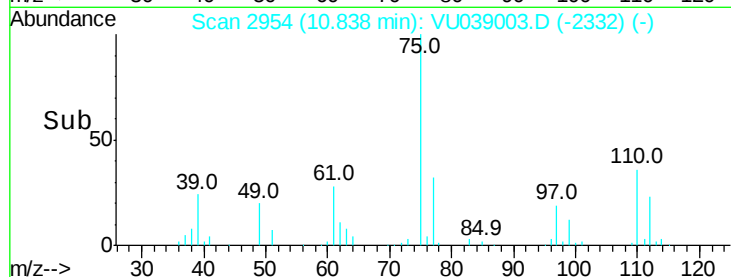
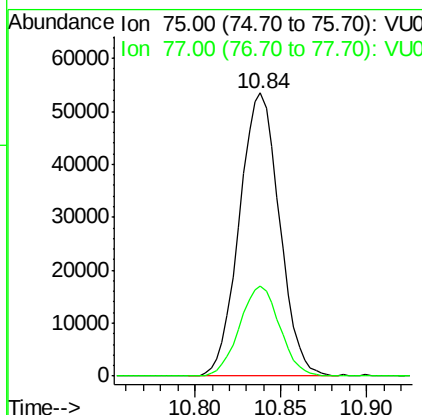
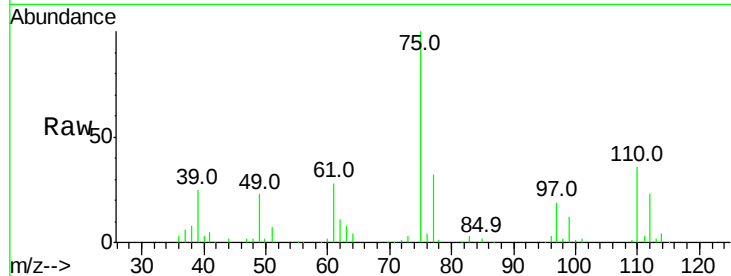




#59
 1,2,3-Trichloropropane
 Concen: 4.717 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

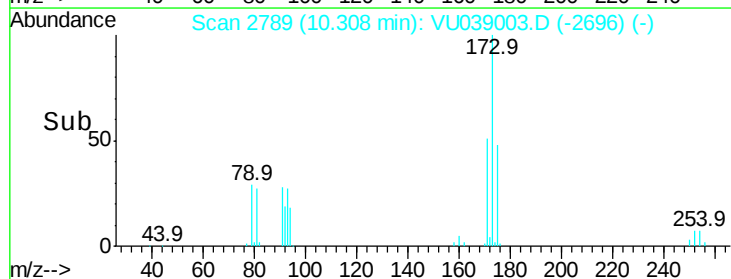
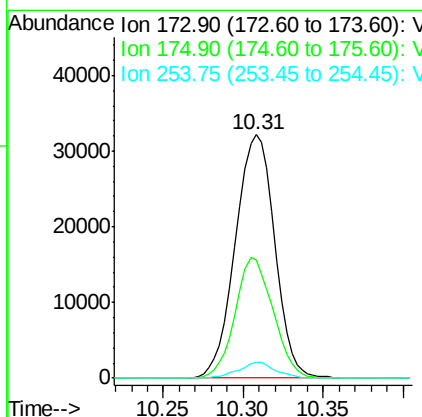
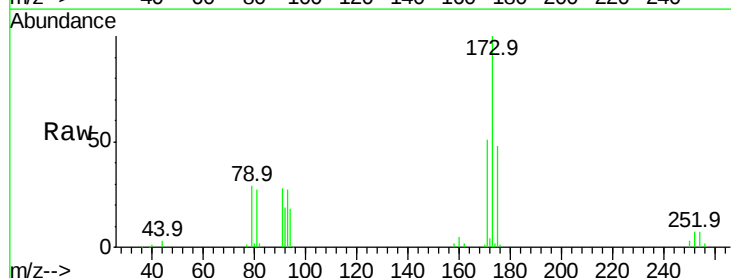
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

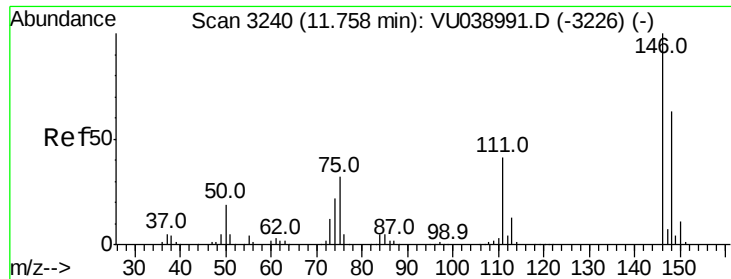
Tgt Ion: 75 Resp: 86545
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.9 38.9



#61
 Bromoform
 Concen: 4.407 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Tgt Ion: 173 Resp: 53934
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.1 58.7
 254 6.0 5.6 8.4





#62

1,3-Dichlorobenzene

Concen: 4.563 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

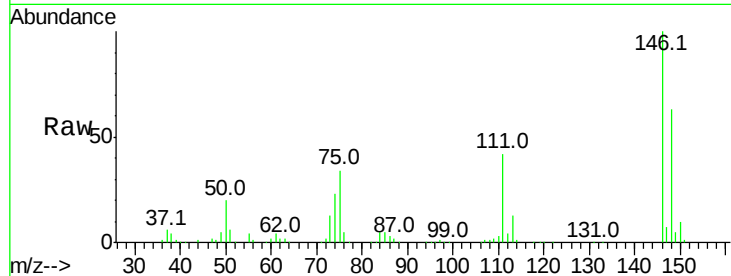
Tgt Ion:146 Resp: 223130

Ion Ratio Lower Upper

146 100

111 41.9 27.8 51.6

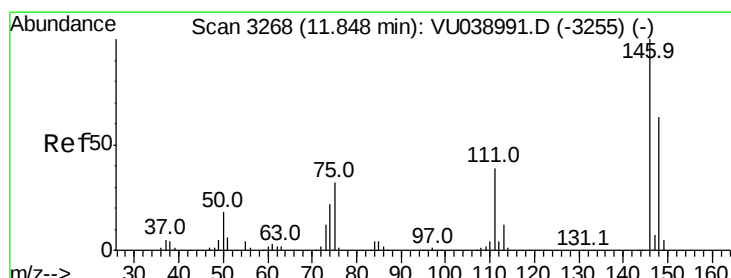
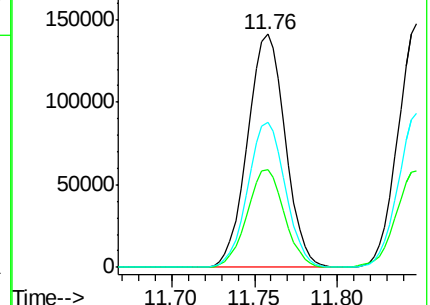
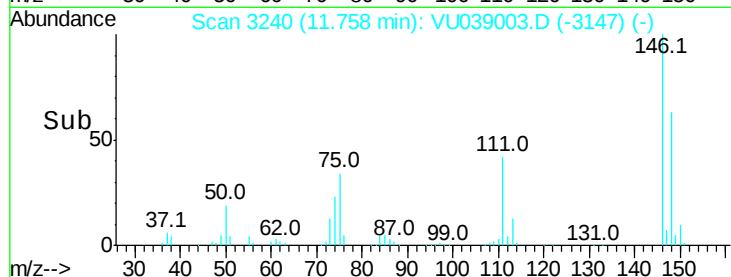
148 62.5 45.1 83.7



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: 4.524 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

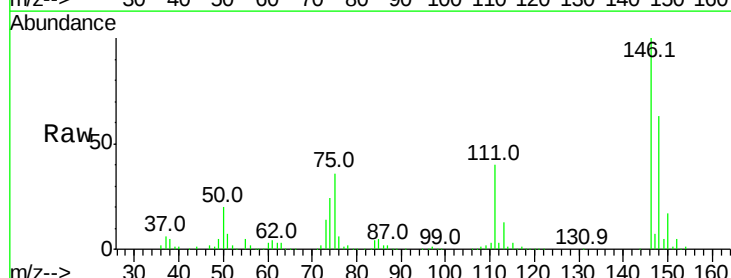
Tgt Ion:146 Resp: 227342

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.3

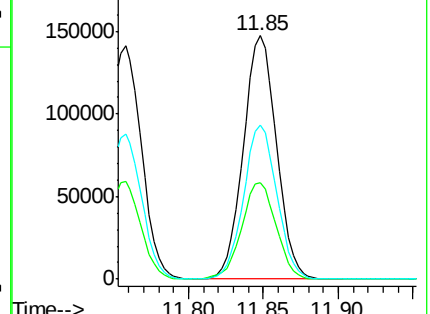
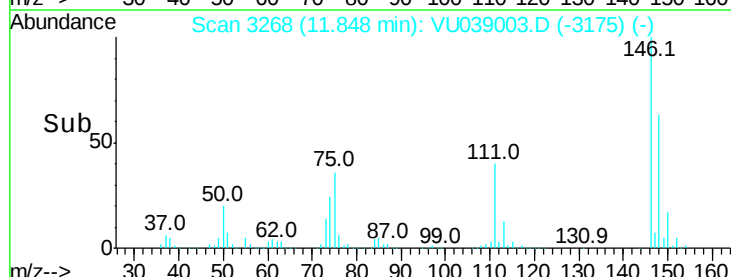
148 63.2 45.0 83.6

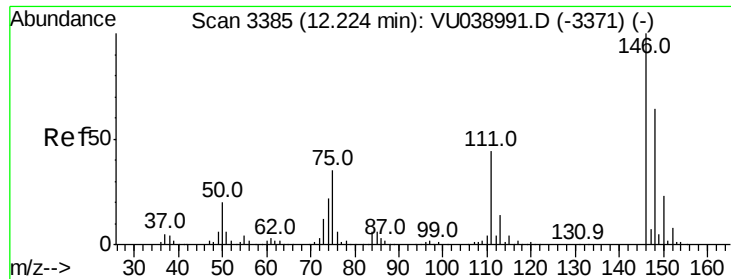


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.609 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

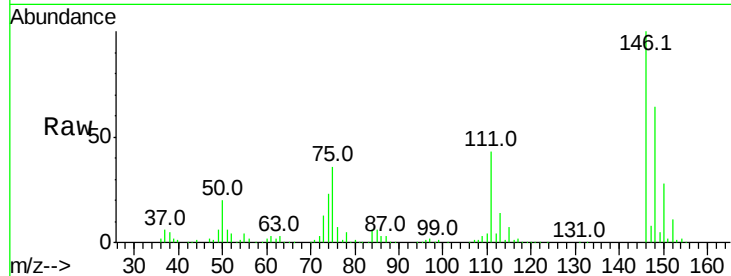
Tgt Ion:146 Resp: 216175

Ion Ratio Lower Upper

146 100

111 42.7 34.4 51.6

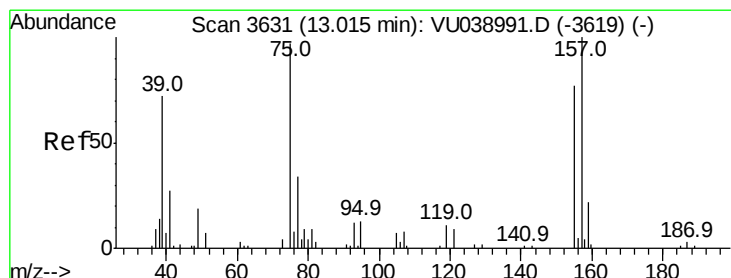
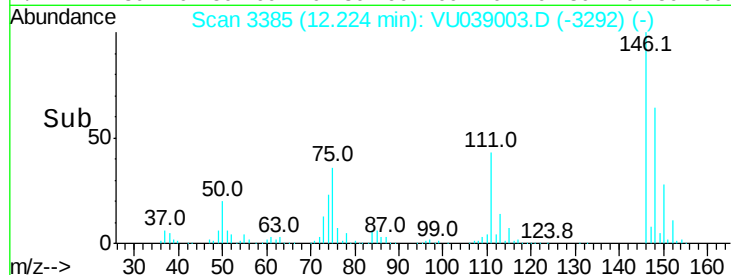
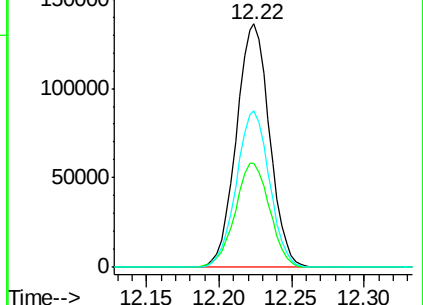
148 64.2 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.428 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

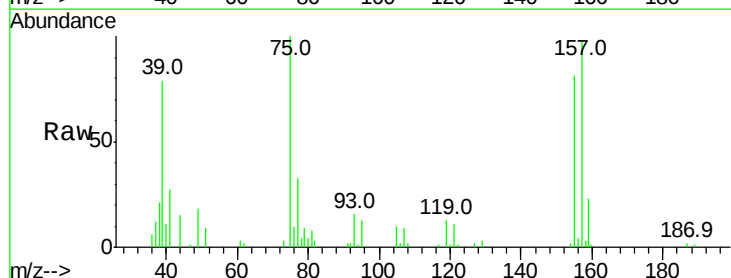
Tgt Ion: 75 Resp: 19391

Ion Ratio Lower Upper

75 100

155 80.6 59.9 89.9

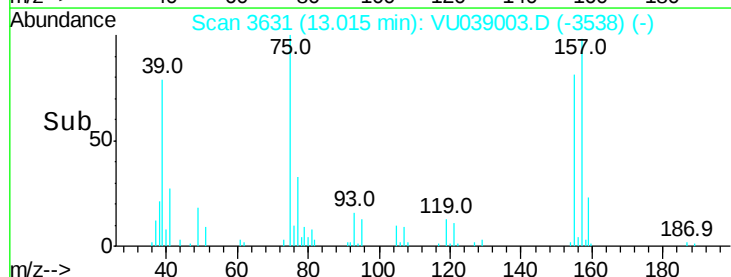
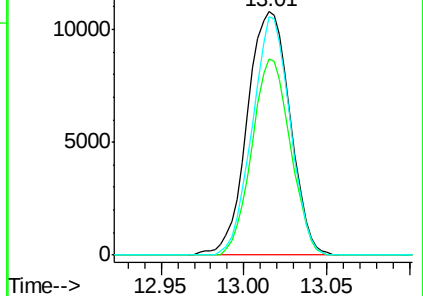
157 97.7 79.9 119.9

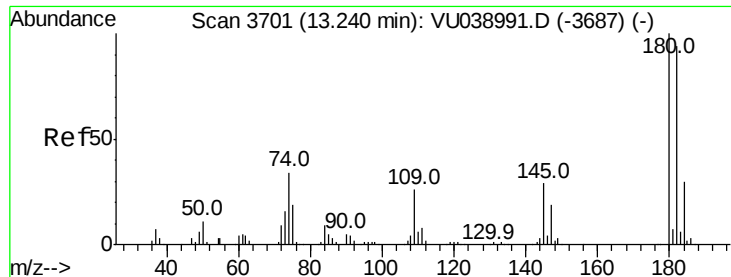


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

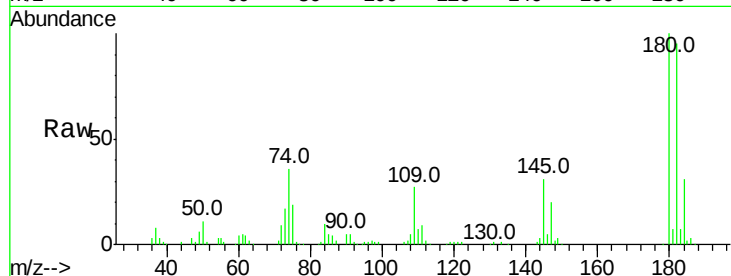




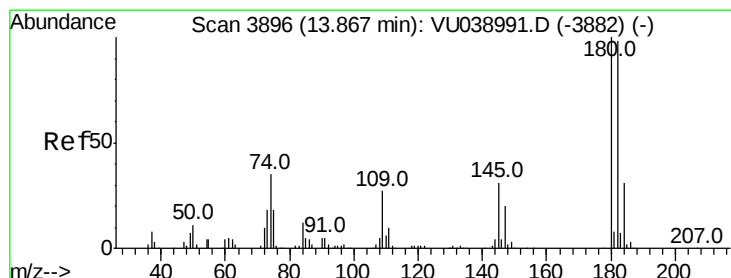
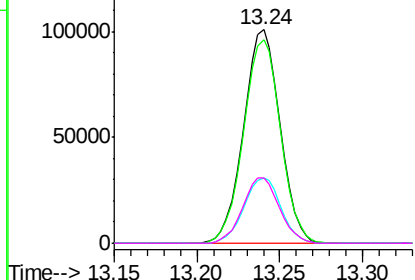
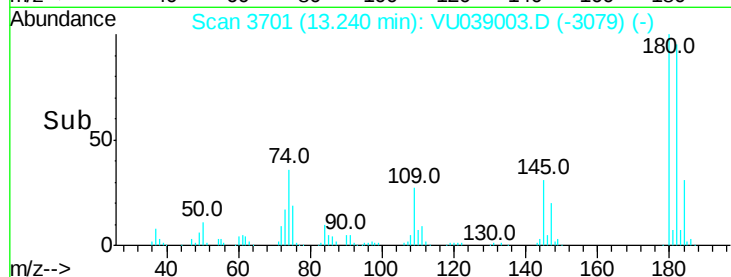
#67
 1,3,5-Trichlorobenzene
 Concen: 4.128 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:	180	Resp:	154470
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.0	114.0
184	31.0	24.2	36.2
145	30.8	24.6	36.8

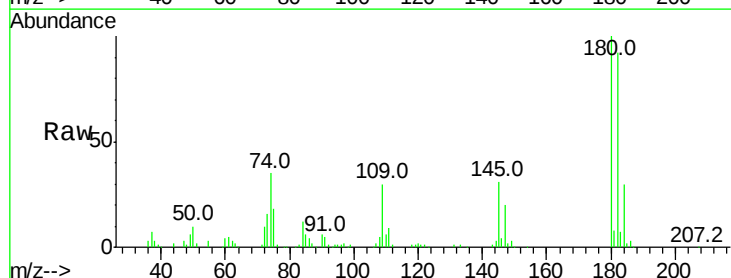


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

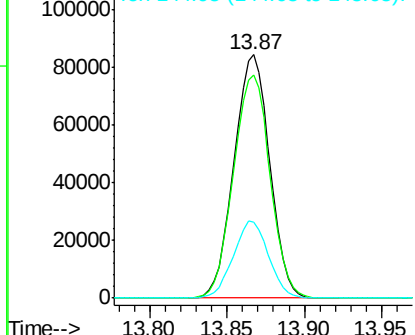
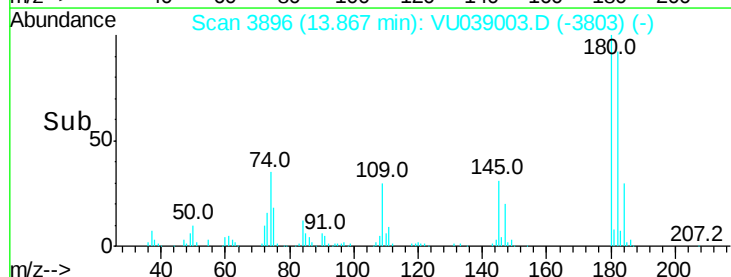


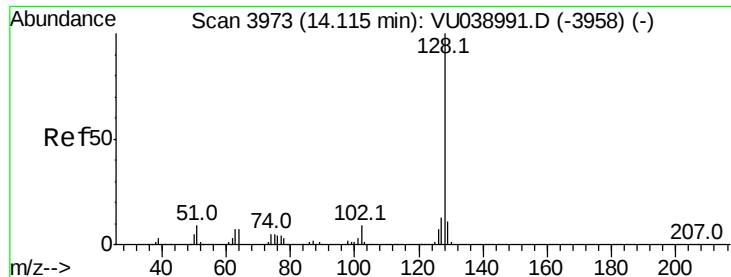
#68
 1,2,4-trichlorobenzene
 Concen: 4.075 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU039003.D
 Acq: 22 Jun 2020 13:52

Tgt Ion:	180	Resp:	135299
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.0	114.0
145	31.2	25.0	37.6



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





#69

Naphthalene

Concen: 4.294 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

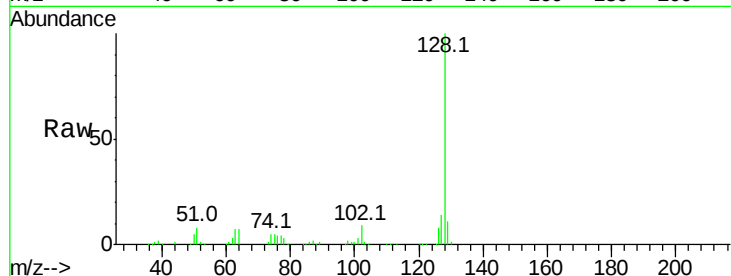
Tgt Ion:128 Resp: 261625

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

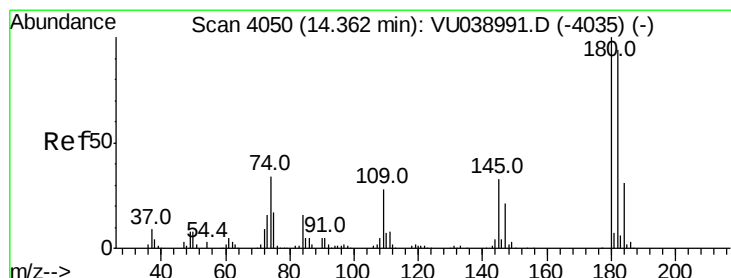
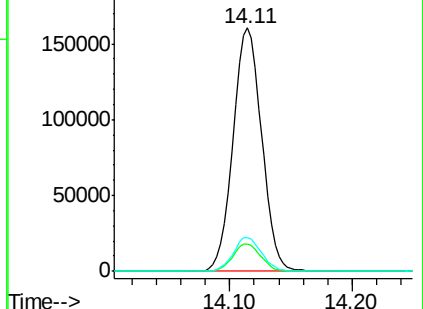
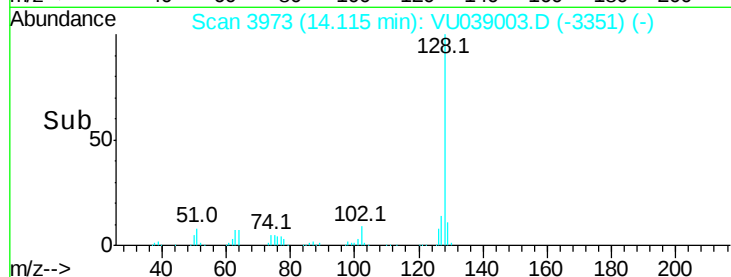
127 13.6 11.0 16.6



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: 4.038 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU039003.D

Acq: 22 Jun 2020 13:52

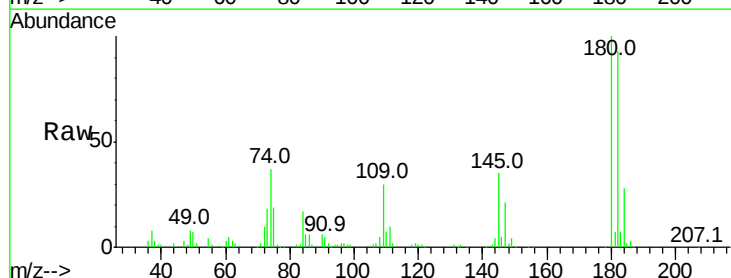
Tgt Ion:180 Resp: 127998

Ion Ratio Lower Upper

180 100

182 93.9 77.3 115.9

145 34.8 26.9 40.3



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

