

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U060620\
 Data File : VU038657.D
 Acq On : 07 Jun 2020 07:53
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Jun 08 03:05:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 08 02:53:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	291896	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	274821	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	135733	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86430	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.93	69	76948	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.59	63	169713	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.68	46	368375	64.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.38%
24) Chloroform-d	5.10	84	197532	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
26) 1,2-Dichloroethane-d4	5.74	65	115828	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
32) Benzene-d6	5.76	84	372130	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.72	67	121774	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.40%
41) Toluene-d8	7.92	98	311173	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	8.20	79	48533	5.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.00%
46) 2-Hexanone-d5	8.65	63	308422	68.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.66%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108923	6.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.60%#
64) 1,2-Dichlorobenzene-d4	12.20	152	124830	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	86225	3.748	ug/L	99
3) Chloromethane	1.53	50	91764	4.343	ug/L	99
5) Vinyl chloride	1.62	62	97576	4.311	ug/L	97
6) Bromomethane	1.88	94	48094	4.376	ug/L	99
8) Chloroethane	1.95	64	62385	4.600	ug/L	96
9) Trichlorofluoromethane	2.16	101	127687	4.252	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	72238	4.085	ug/L	98
12) 1,1-Dichloroethene	2.61	96	76553	4.259	ug/L	96
13) Acetone	2.68	43	213812	56.929	ug/L	99
14) Carbon disulfide	2.82	76	214134	3.511	ug/L	98
15) Methyl Acetate	2.99	43	51516	5.599	ug/L	97
16) Methylene chloride	3.08	84	103882	5.107	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	269279	5.713	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	88156	4.550	ug/L	98
19) 1,1-Dichloroethane	3.91	63	182549	5.265	ug/L	98
21) 2-Butanone	4.75	43	363925	57.609	ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	105652	5.065	ug/L	98

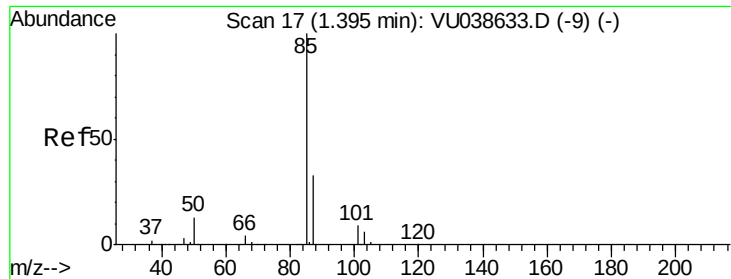
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	48839	5.202	ug/L	98
25) Chloroform	5.12	83	186448	5.294	ug/L	98
27) 1,2-Dichloroethane	5.83	62	132227	5.333	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	147070	5.057	ug/L	98
30) Cyclohexane	5.42	56	114482	3.754	ug/L	97
31) Carbon tetrachloride	5.56	117	112717	4.656	ug/L	100
33) Benzene	5.81	78	383798	5.008	ug/L	100
34) Trichloroethene	6.57	95	91611	4.606	ug/L	96
35) Methylcyclohexane	6.79	83	105908	3.439	ug/L	97
37) 1,2-Dichloropropane	6.82	63	104655	5.427	ug/L	100
38) Bromodichloromethane	7.13	83	136144	5.685	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	147370	5.171	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	806217	58.458	ug/L	100
42) Toluene	7.99	91	385839	4.800	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	128221	5.094	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	83728	5.755	ug/L	97
47) Tetrachloroethene	8.57	164	61339	4.245	ug/L	97
48) 2-Hexanone	8.71	43	609568	58.363	ug/L	99
49) Dibromochloromethane	8.83	129	91399	5.820	ug/L	99
50) 1,2-Dibromoethane	8.94	107	76798	5.513	ug/L	97
51) Chlorobenzene	9.47	112	250023	4.823	ug/L	100
52) Ethylbenzene	9.59	91	400541	4.479	ug/L	100
53) m,p-Xylene	9.71	106	154495	4.492	ug/L	98
54) o-Xylene	10.12	106	156043	4.726	ug/L	98
55) Styrene	10.13	104	271652	4.847	ug/L	97
56) Isopropylbenzene	10.50	105	380916	4.383	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	106040	5.735	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	81336	5.651	ug/L	98
61) Bromoform	10.31	173	50384	5.959	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	191695	4.807	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	194629	4.813	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	193541	5.111	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	18615	6.071	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	138551	4.657	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	130323	4.732	ug/L	99
69) Naphthalene	14.11	128	291753	5.323	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	127687	5.096	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 3.748 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

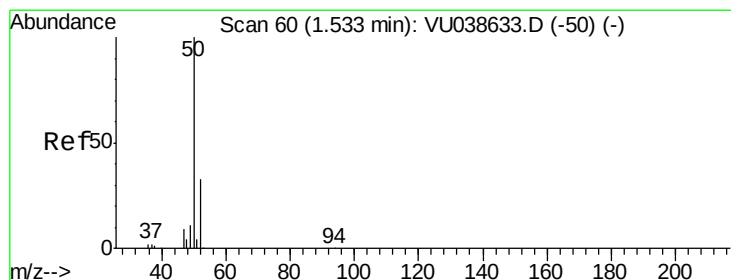
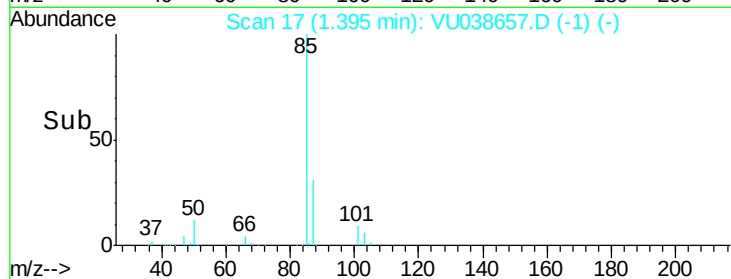
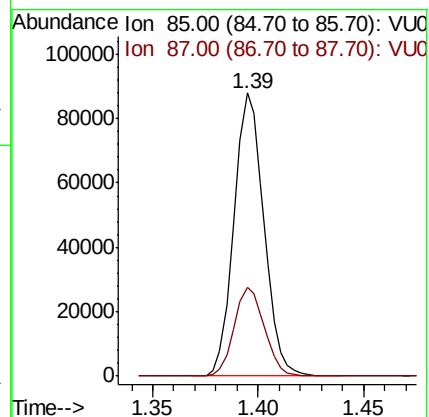
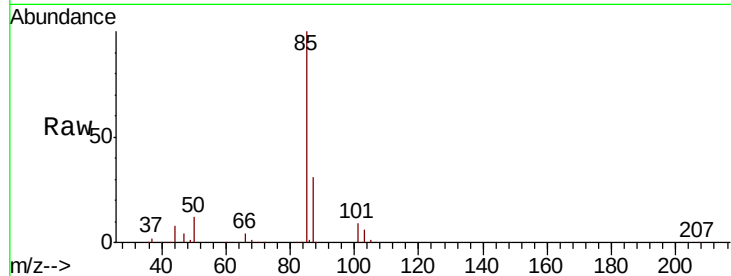
VSTD00516

Tot Ion: 85 Resp: 86225

Ion Ratio Lower Upper

85 100

87 31.9 25.2 37.8



#3

Chloromethane

Concen: 4.343 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038657.D

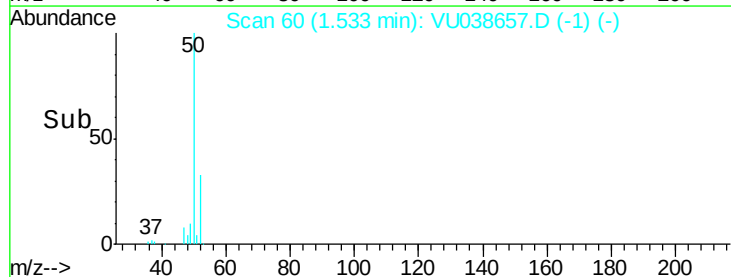
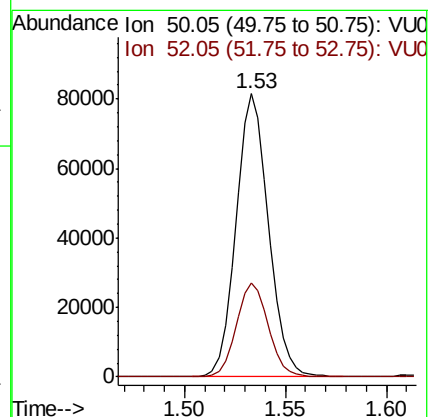
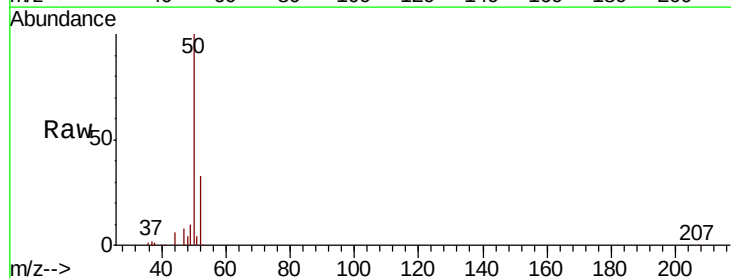
Acq: 07 Jun 2020 07:53

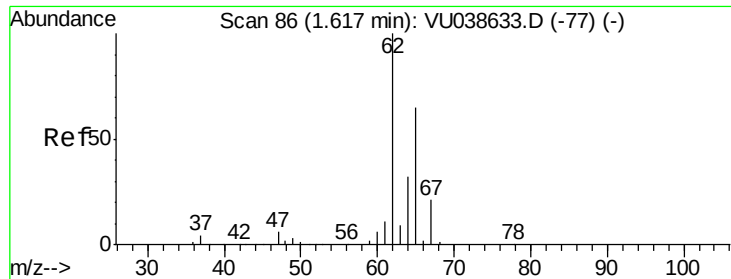
Tgt Ion: 50 Resp: 91764

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5





#5

Vinyl chloride

Concen: 4.311 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

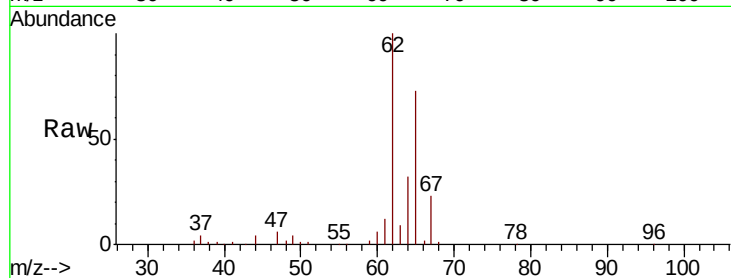
VSTD00516

Tot Ion: 62 Resp: 97576

Ion Ratio Lower Upper

62 100

64 32.1 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

100000

80000

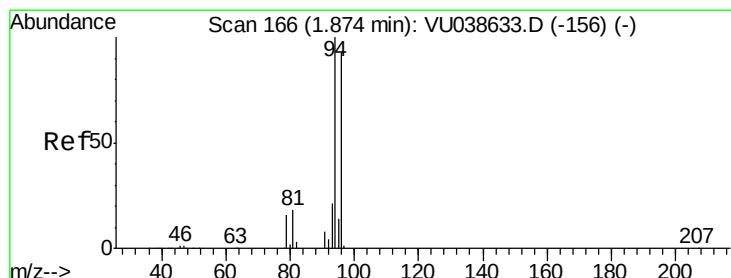
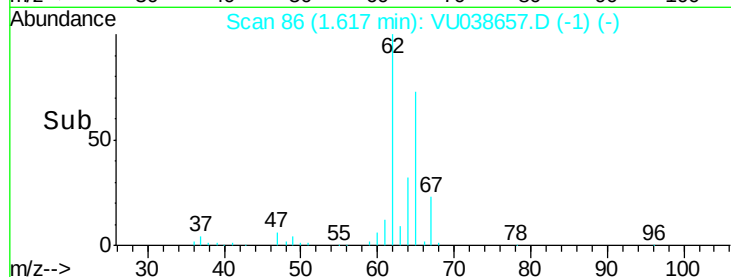
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.376 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038657.D

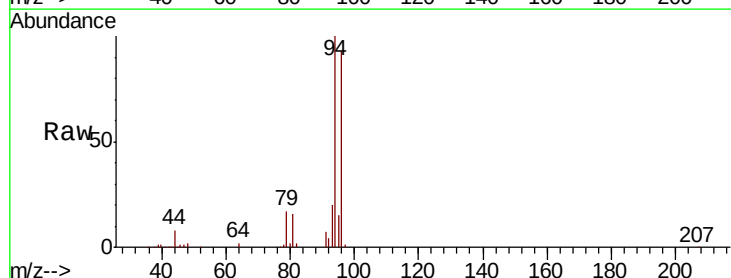
Acq: 07 Jun 2020 07:53

Tgt Ion: 94 Resp: 48094

Ion Ratio Lower Upper

94 100

96 92.8 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.88

40000

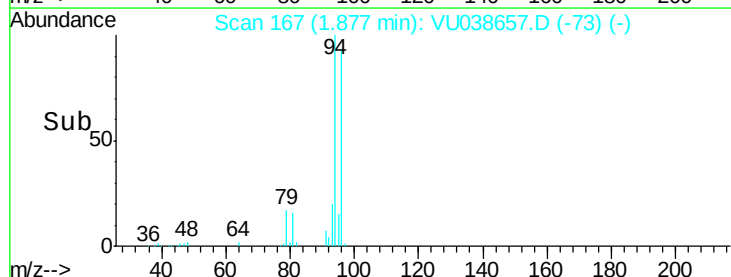
30000

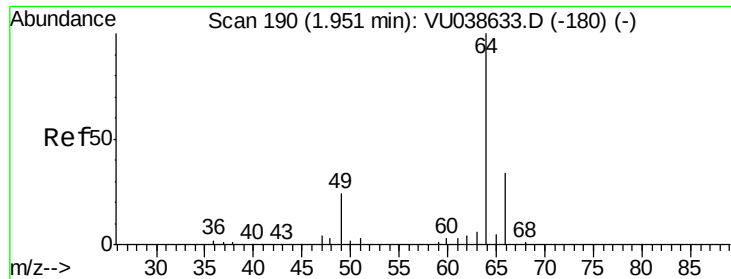
20000

10000

0

Time--> 1.85 1.90 1.95

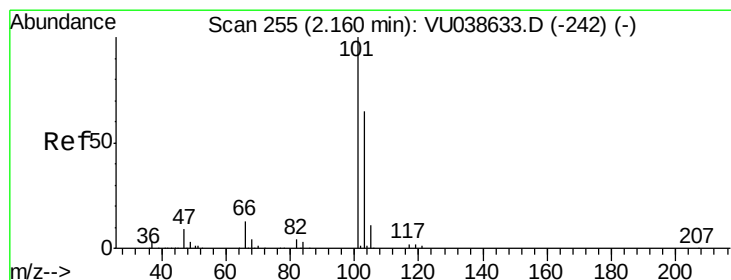
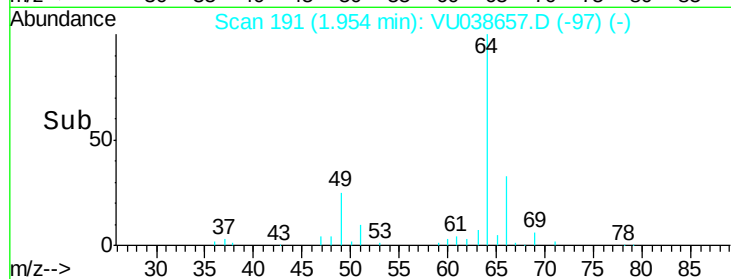
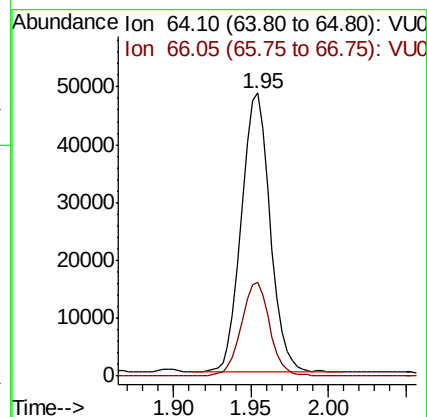
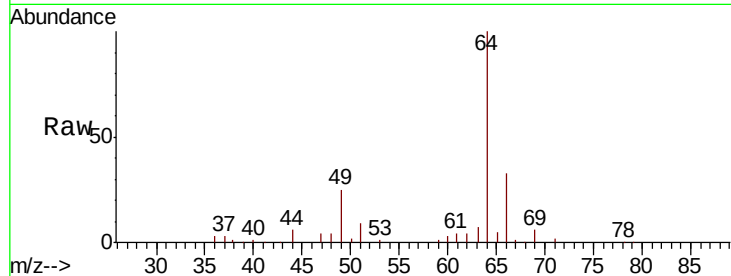




#8
Chloroethane
Concen: 4.600 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

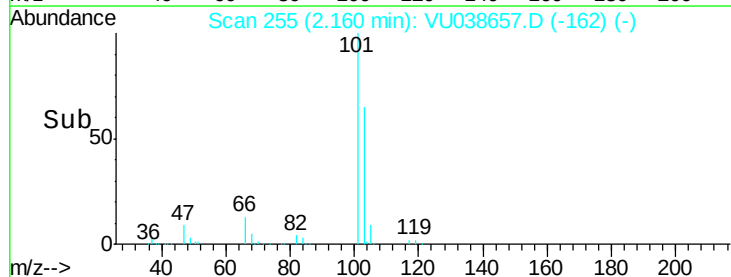
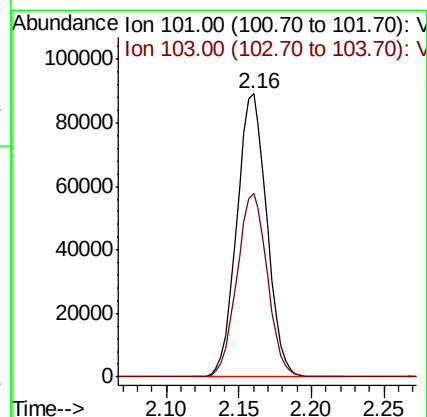
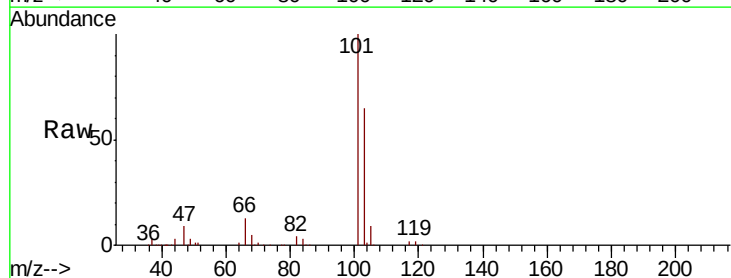
Instrument :
MSVOA_U
ClientSampled :
VSTD00516

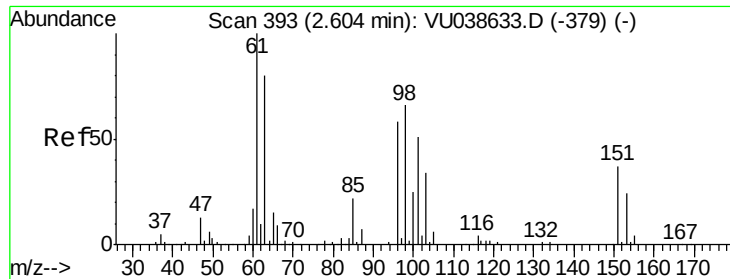
Tot Ion: 64 Resp: 62385
Ion Ratio Lower Upper
64 100
66 33.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.252 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Tgt Ion:101 Resp: 127687
Ion Ratio Lower Upper
101 100
103 65.7 51.1 76.7





#10

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

Concen: 4.085 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

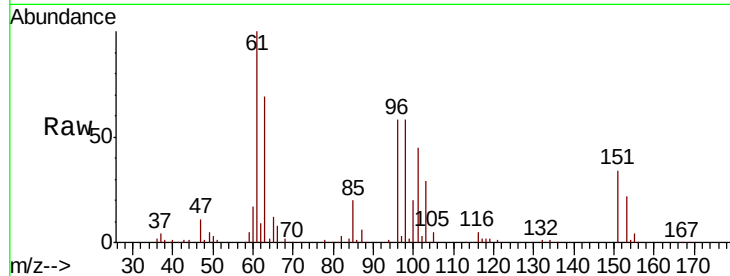
Tot Ion:101 Resp: 72238

Ion Ratio Lower Upper

101 100

85 43.3 34.0 51.0

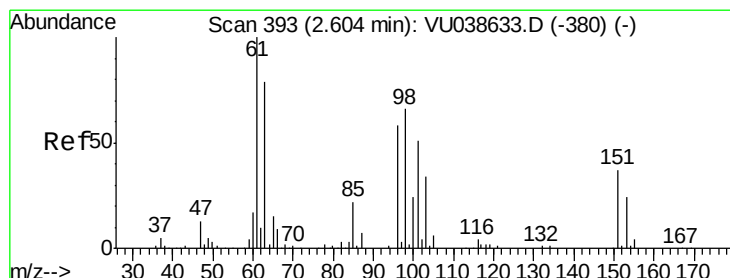
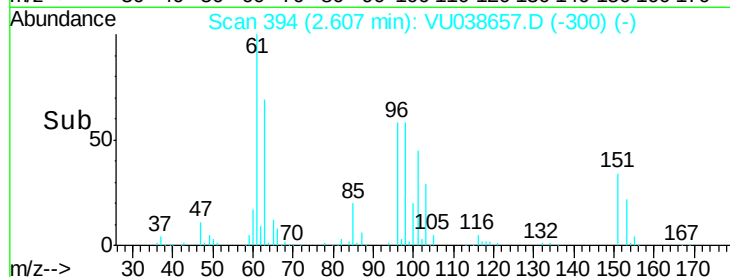
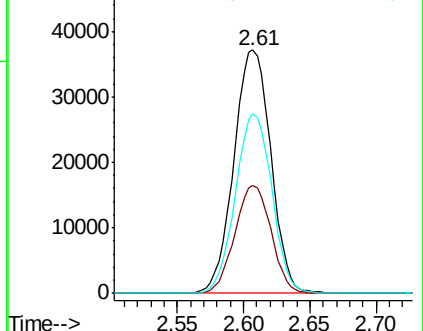
151 72.6 56.9 85.3



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: 4.259 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

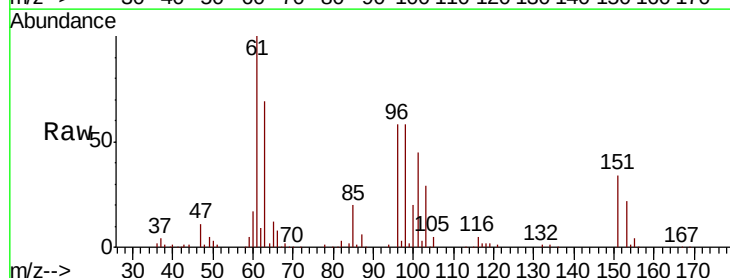
Tgt Ion: 96 Resp: 76553

Ion Ratio Lower Upper

96 100

61 172.3 119.9 222.7

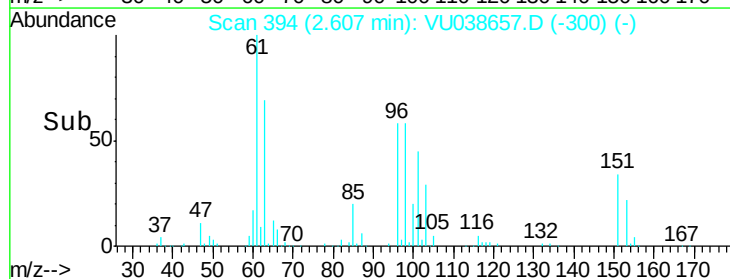
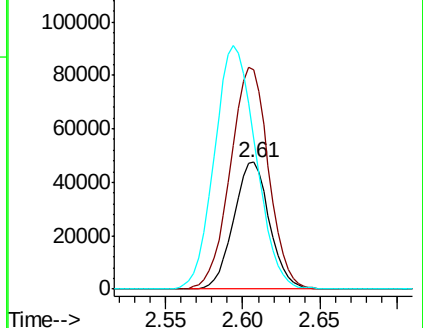
63 118.7 89.9 167.0

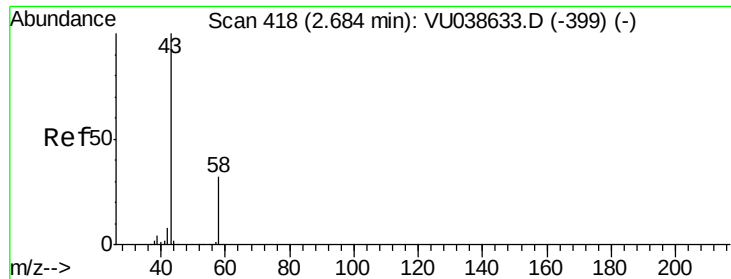


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.929 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

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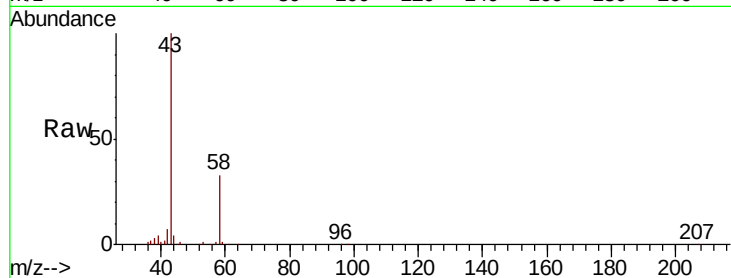
VSTD00516

Tot Ion: 43 Resp: 213812

Ion Ratio Lower Upper

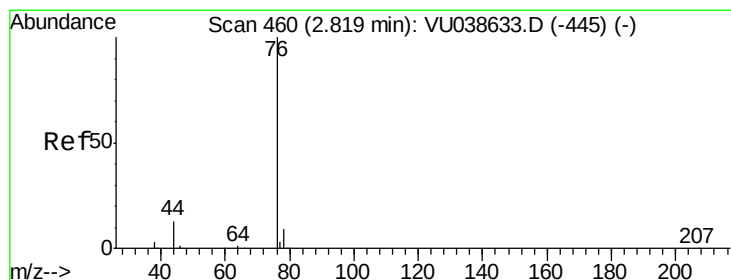
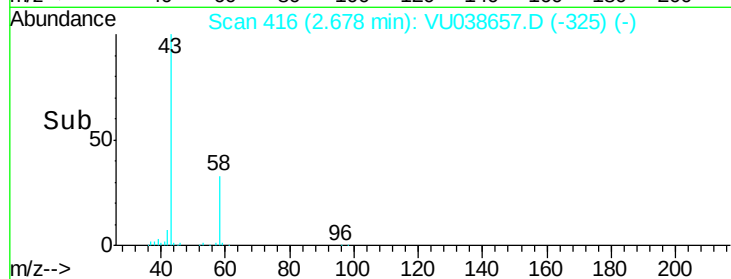
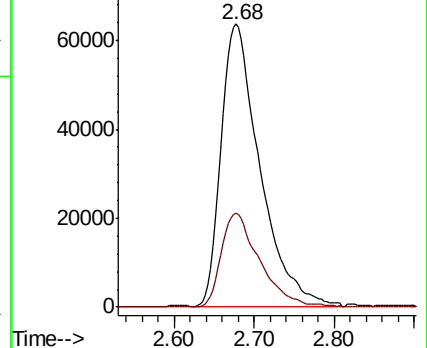
43 100

58 32.3 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038633.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038633.D (-399) (-)



#14

Carbon disulfide

Concen: 3.511 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038657.D

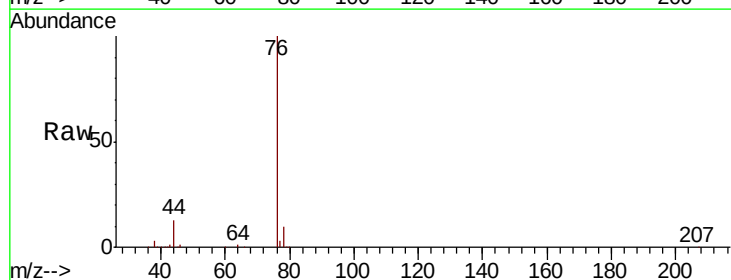
Acq: 07 Jun 2020 07:53

Tgt Ion: 76 Resp: 214134

Ion Ratio Lower Upper

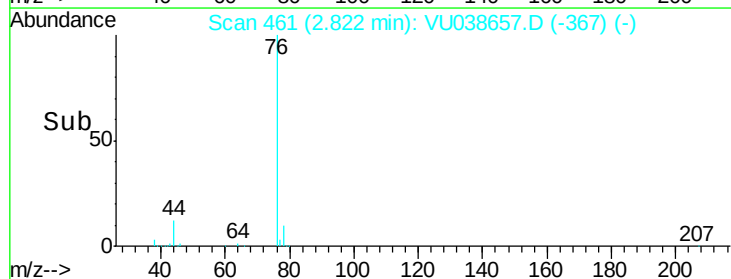
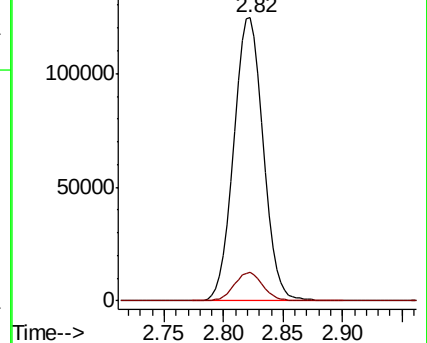
76 100

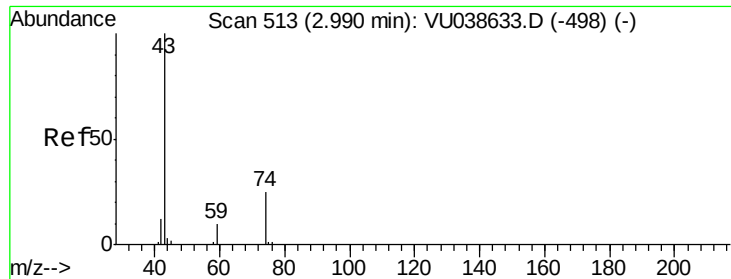
78 10.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038633.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038633.D (-445) (-)





#15

Methyl Acetate

Concen: 5.599 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

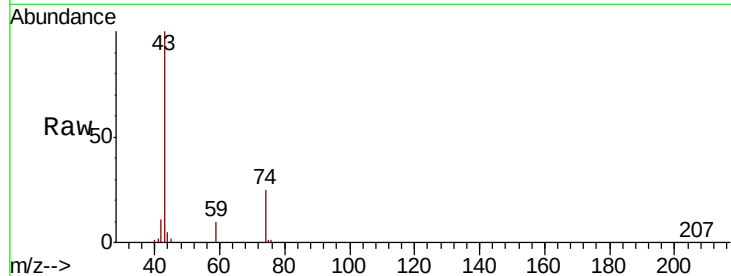
VSTD00516

Tot Ion: 43 Resp: 51516

Ion Ratio Lower Upper

43 100

74 25.7 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.99

25000

20000

15000

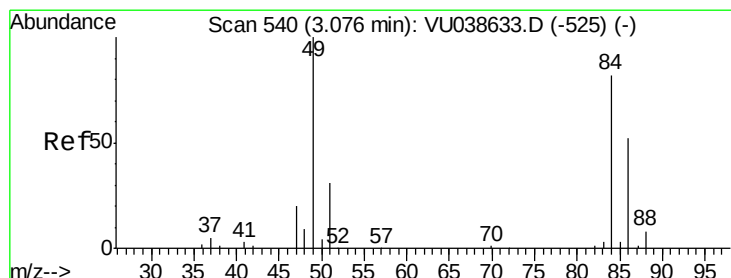
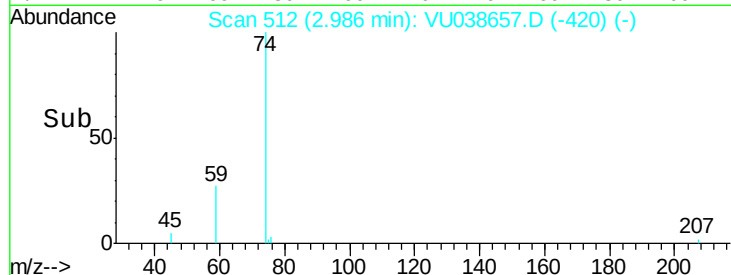
10000

5000

0

2.90 2.95 3.00 3.05 3.10

Time-->



#16

Methylene chloride

Concen: 5.107 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

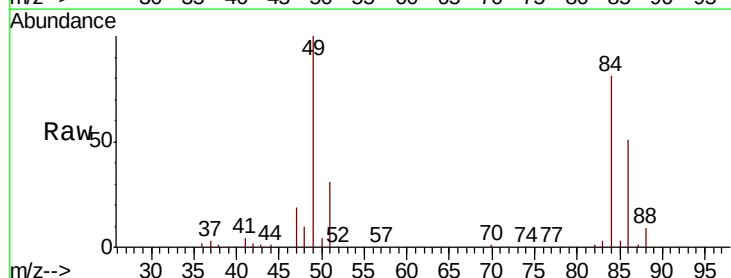
Tgt Ion: 84 Resp: 103882

Ion Ratio Lower Upper

84 100

86 63.1 45.0 83.6

49 122.9 85.5 158.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

80000

60000

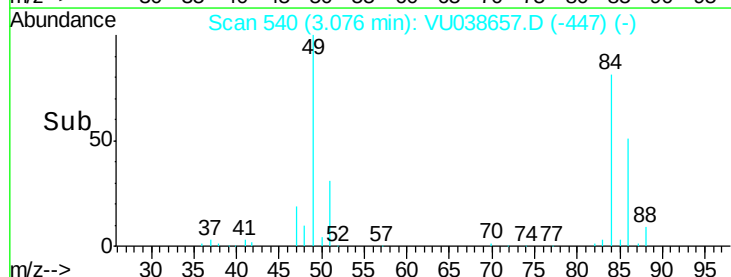
40000

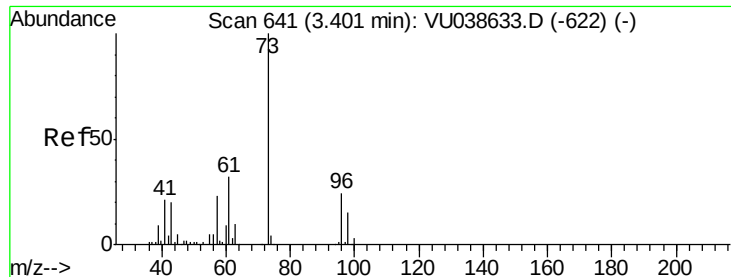
20000

0

3.00 3.05 3.10 3.15

Time-->





#17

Methyl tert-butyl Ether

Concen: 5.713 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

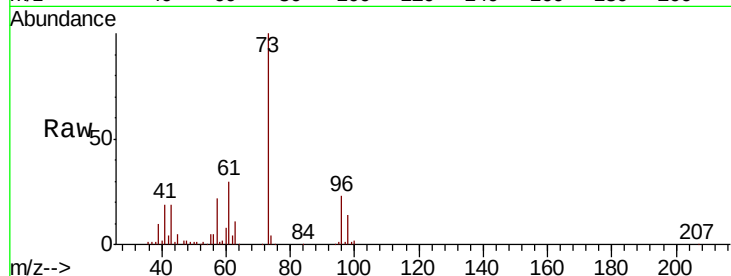
Tot Ion: 73 Resp: 269279

Ion Ratio Lower Upper

73 100

43 19.3 15.5 23.3

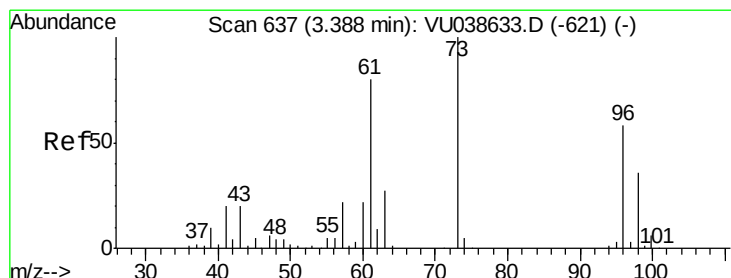
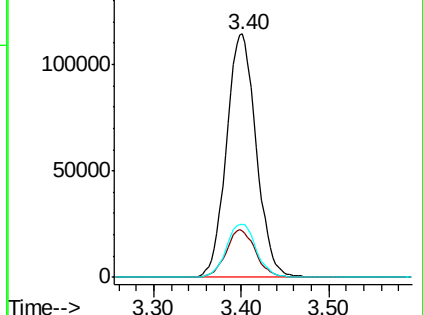
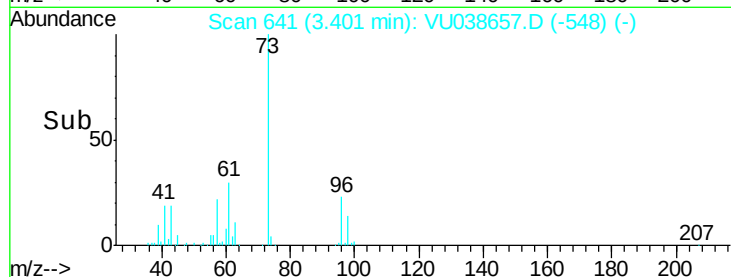
57 22.0 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VU038657.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU038657.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU038657.D (-548) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.550 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

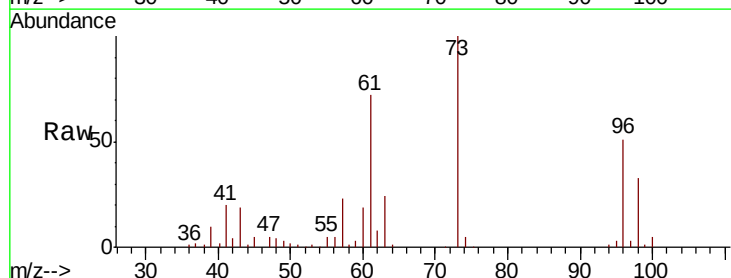
Tgt Ion: 96 Resp: 88156

Ion Ratio Lower Upper

96 100

61 142.8 100.2 186.0

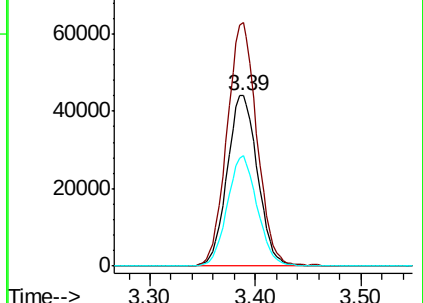
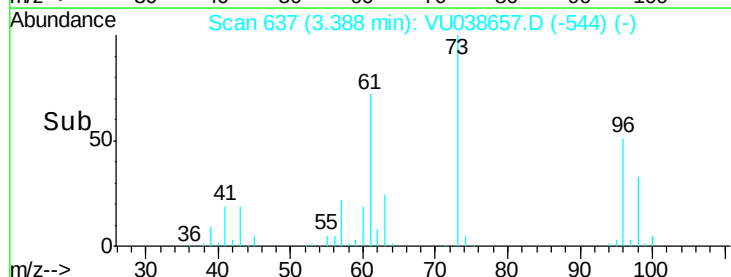
98 64.5 42.8 79.4

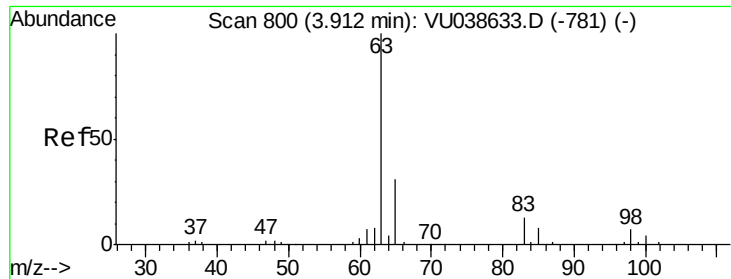


Abundance Ion 96.00 (95.70 to 96.70): VU038657.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038657.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038657.D (-544) (-)

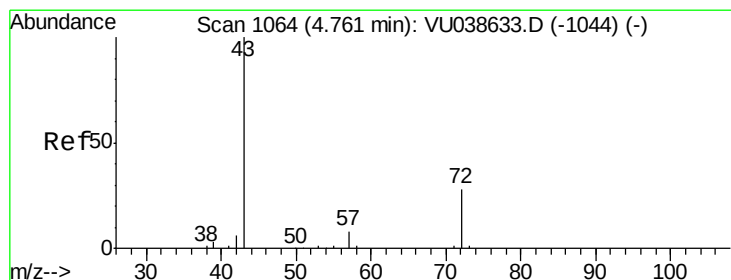
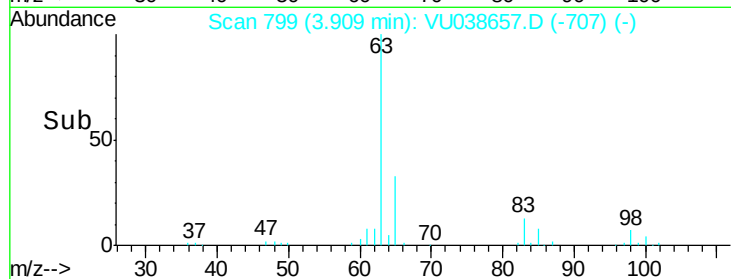
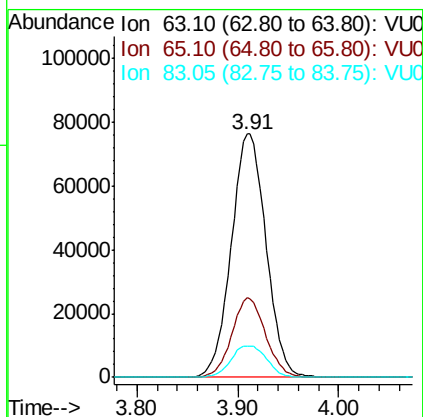
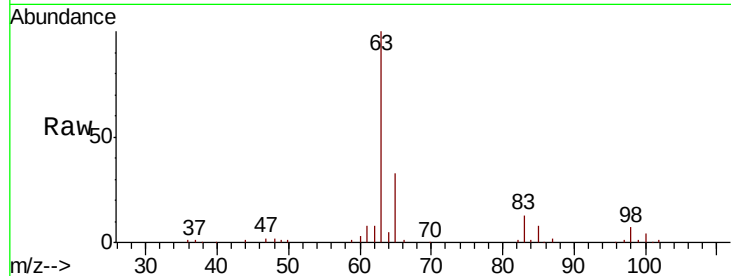




#19
 1,1-Dichloroethane
 Concen: 5.265 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

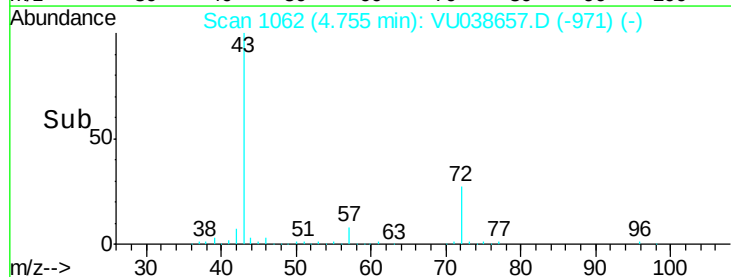
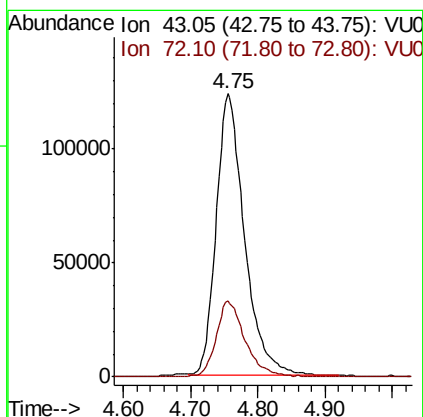
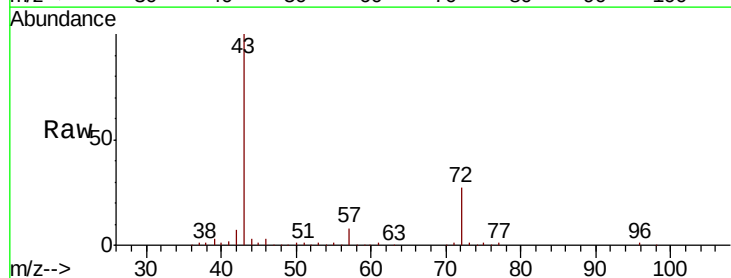
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

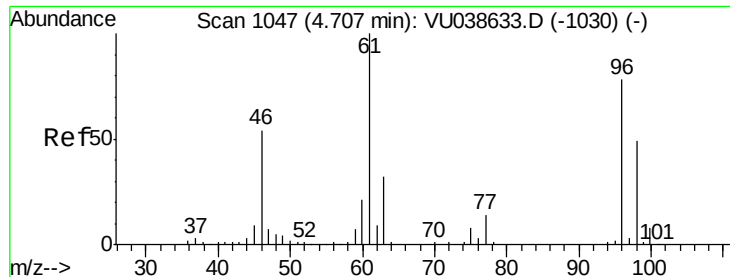
Tot Ion: 63 Resp: 182549
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.3 41.5
 83 13.0 10.4 19.4



#21
 2-Butanone
 Concen: 57.609 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

Tgt Ion: 43 Resp: 363925
 Ion Ratio Lower Upper
 43 100
 72 27.4 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 5.065 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

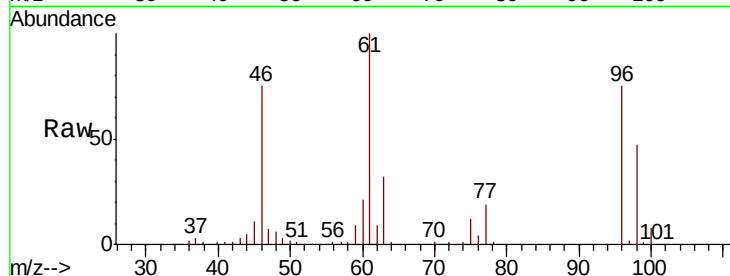
Tot Ion: 96 Resp: 105652

Ion Ratio Lower Upper

96 100

61 132.5 94.0 174.6

68 0.0 0.0 0.0

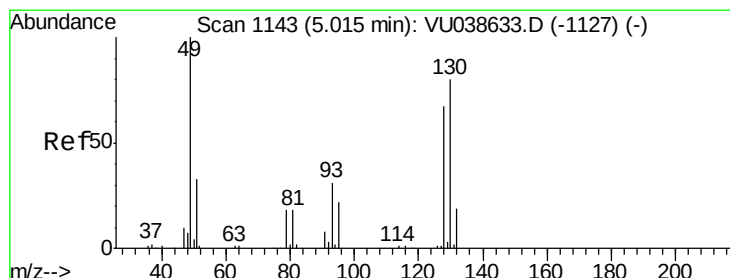
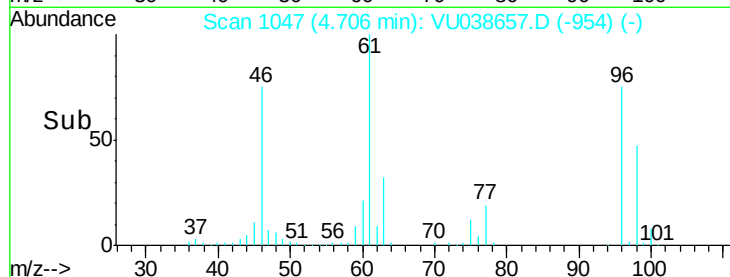
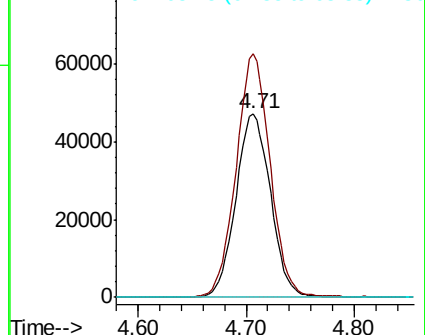


Abundance

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: 5.202 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Tgt Ion: 128 Resp: 48839

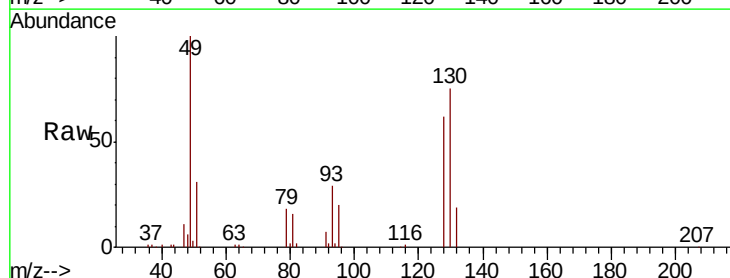
Ion Ratio Lower Upper

128 100

49 162.5 111.9 207.7

130 121.9 86.5 160.7

51 50.2 41.7 62.5



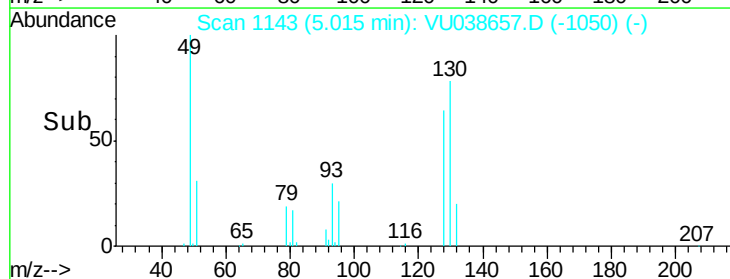
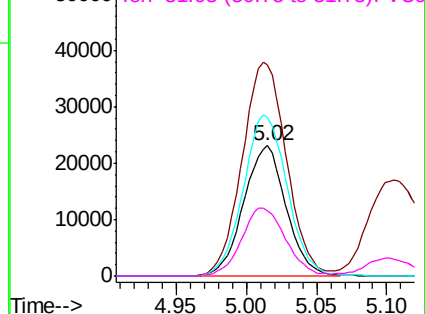
Abundance

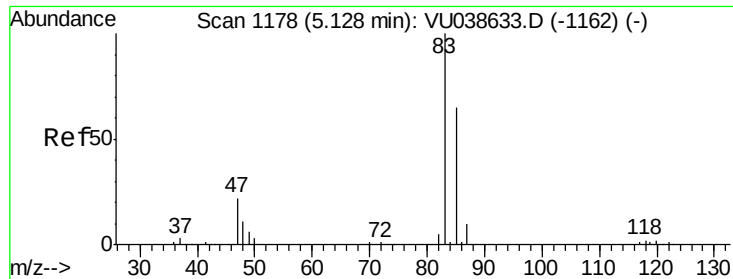
Ion 127.90 (127.60 to 128.60): V

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

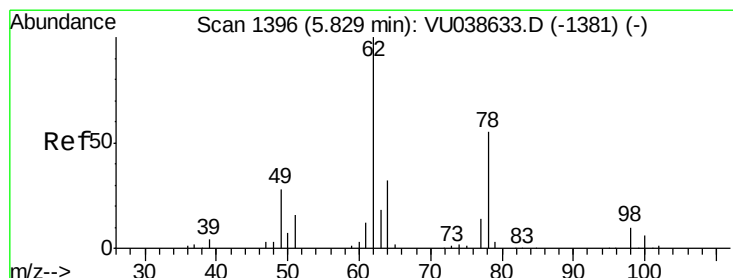
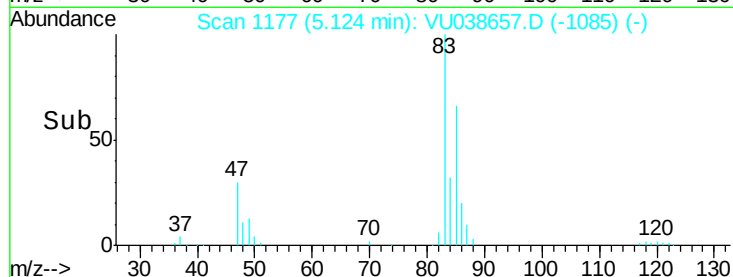
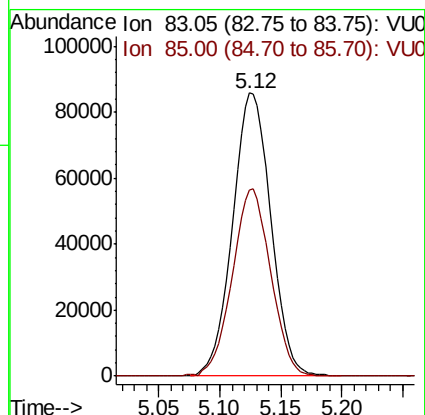
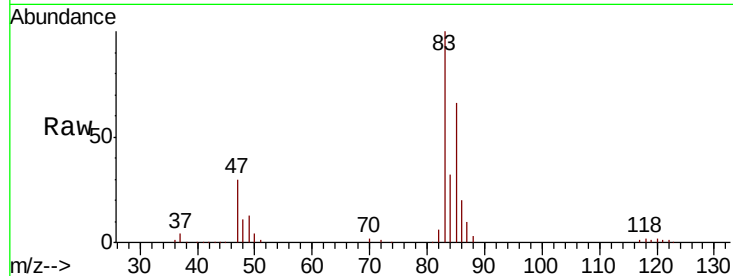




#25
Chloroform
Concen: 5.294 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

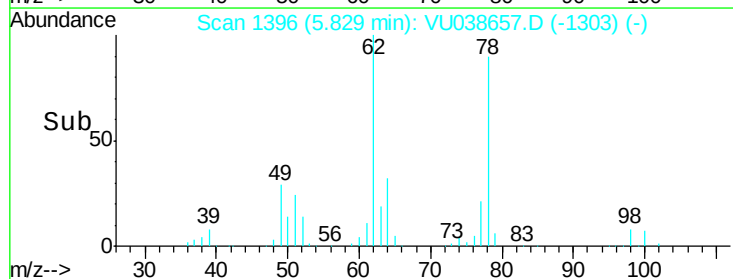
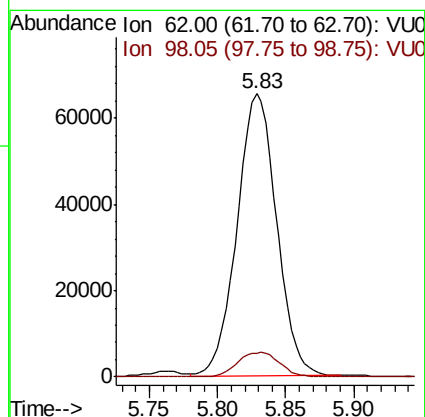
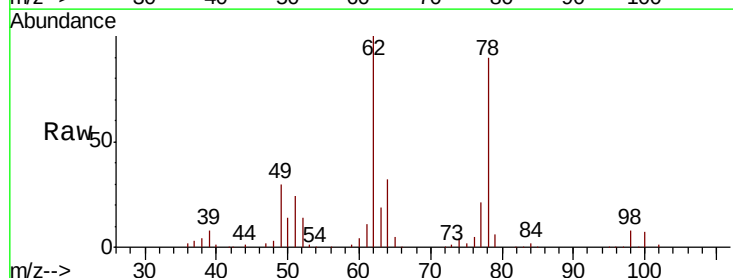
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

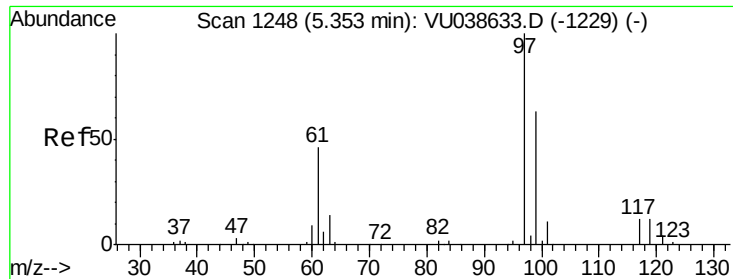
Tot Ion: 83 Resp: 186448
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.333 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Tgt Ion: 62 Resp: 132227
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.2

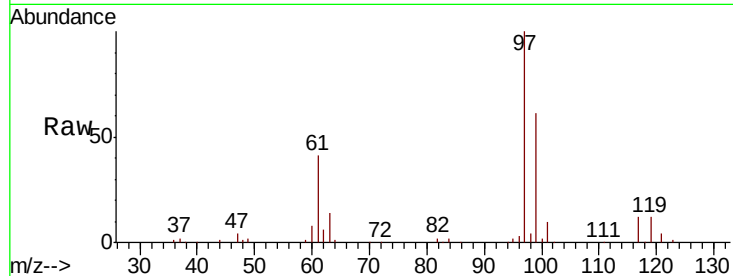




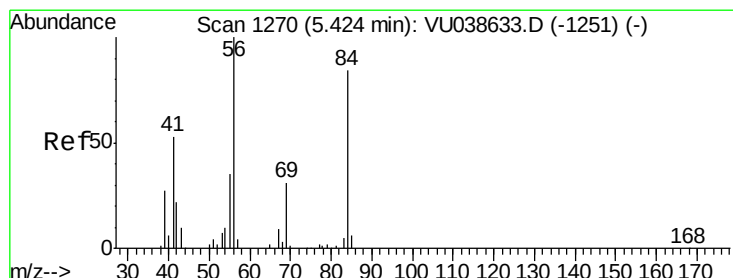
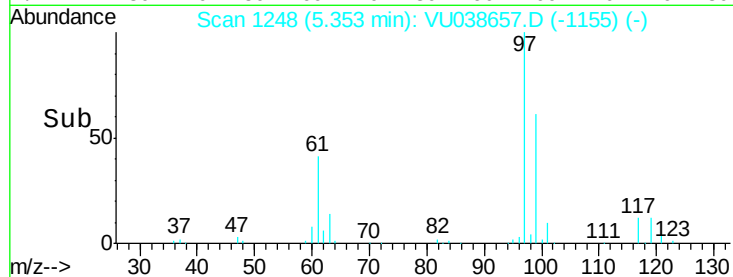
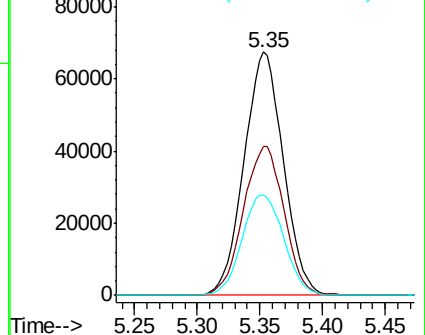
#29
 1,1,1-Trichloroethane
 Concen: 5.057 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion: 97 Resp: 147070
 Ion Ratio Lower Upper
 97 100
 99 63.5 52.2 78.2
 61 43.6 35.4 53.2

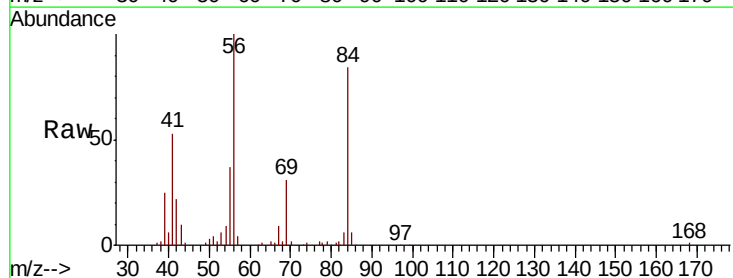


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

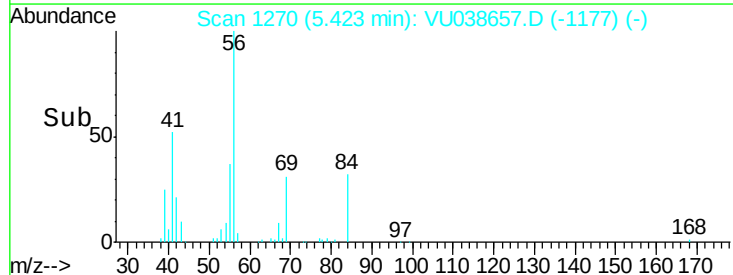
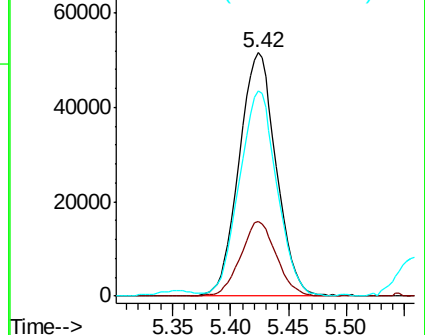


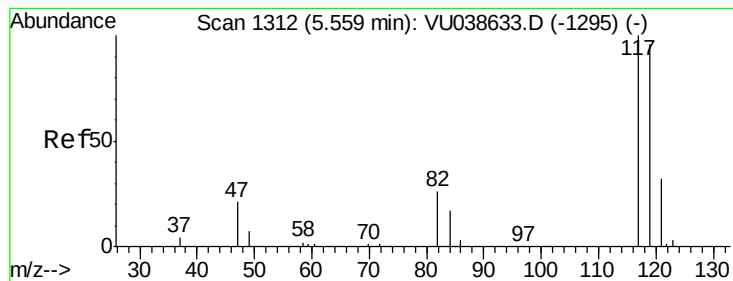
#30
 Cyclohexane
 Concen: 3.754 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

Tgt Ion: 56 Resp: 114482
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.2 36.4
 84 85.1 70.8 106.2



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: 4.656 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

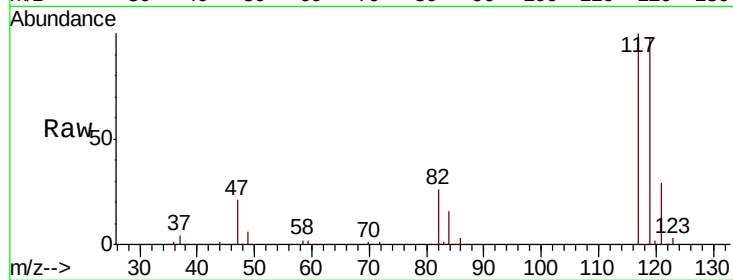
VSTD00516

Tot Ion:117 Resp: 112717

Ion Ratio Lower Upper

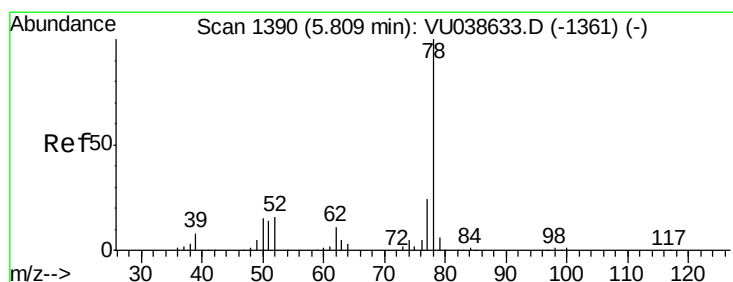
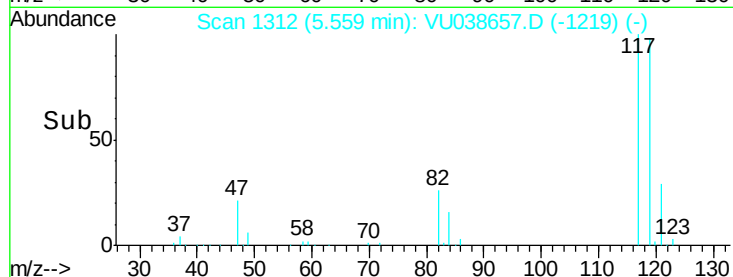
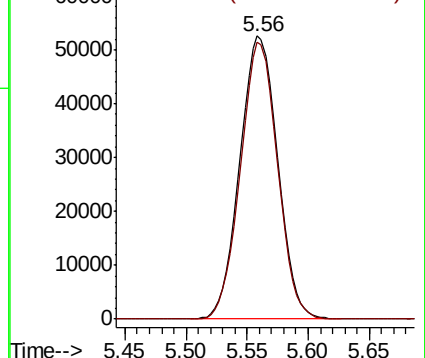
117 100

119 95.5 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.008 ug/L

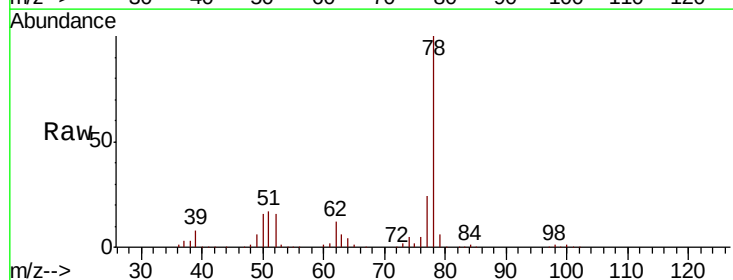
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

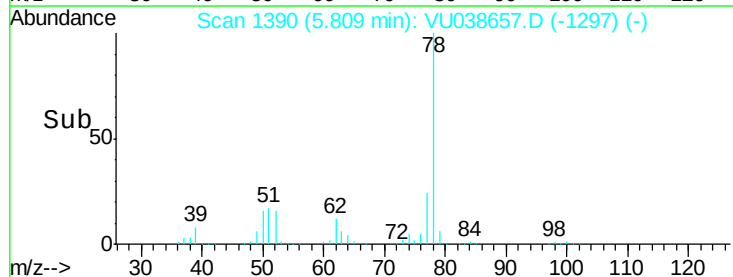
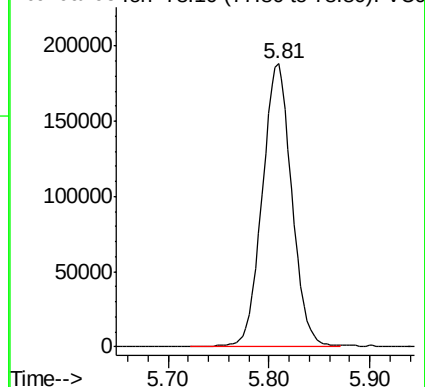
Lab File: VU038657.D

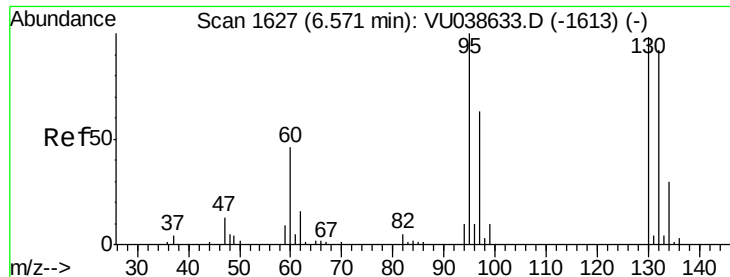
Acq: 07 Jun 2020 07:53

Tgt Ion: 78 Resp: 383798



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.606 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tot Ion: 95 Resp: 91611

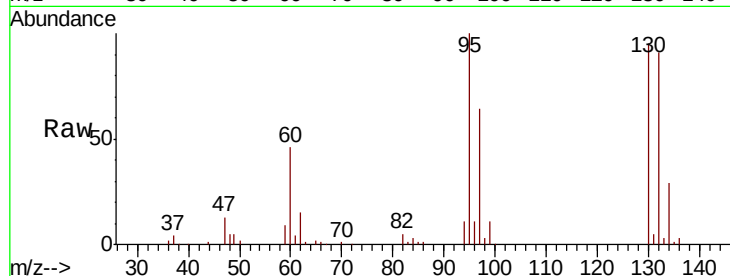
Ion Ratio Lower Upper

95 100

97 64.3 46.8 87.0

132 90.7 66.1 122.7

130 94.8 70.0 130.0

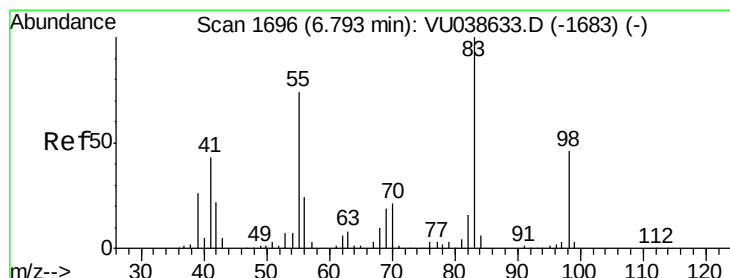
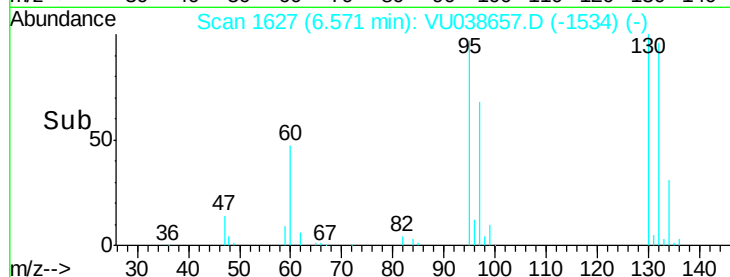
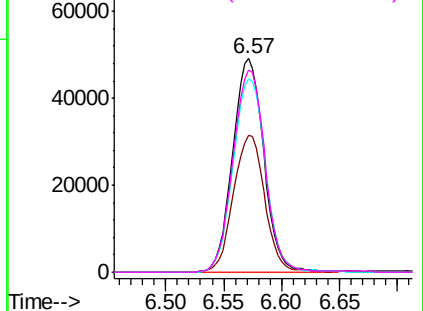


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 3.439 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

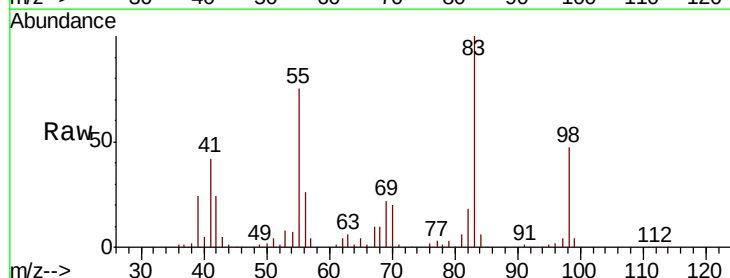
Tgt Ion: 83 Resp: 105908

Ion Ratio Lower Upper

83 100

55 82.9 63.4 95.2

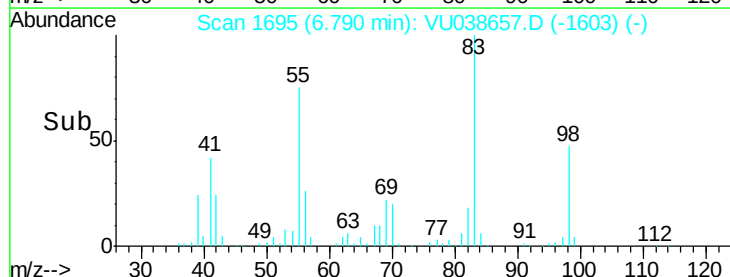
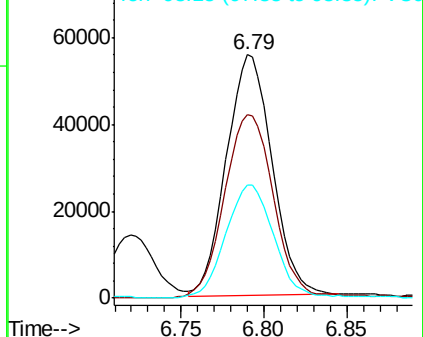
98 49.3 39.0 58.4

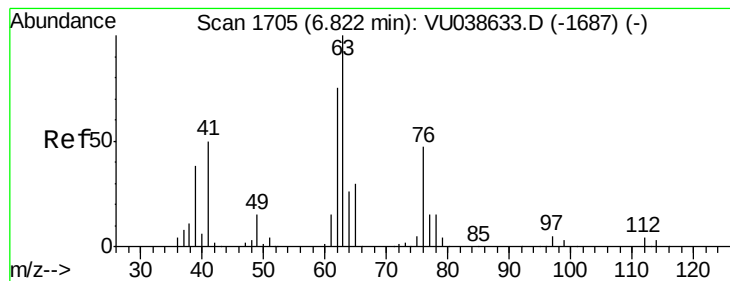


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.427 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

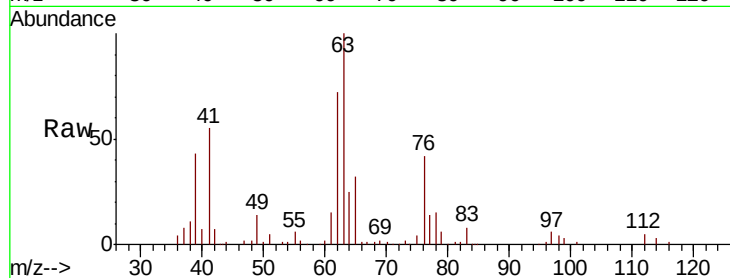
VSTD00516

Tot Ion: 63 Resp: 104655

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038633.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038633.D (-1687) (-)

6.82

60000

50000

40000

30000

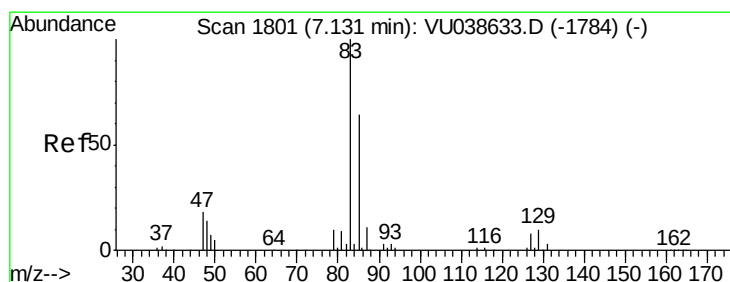
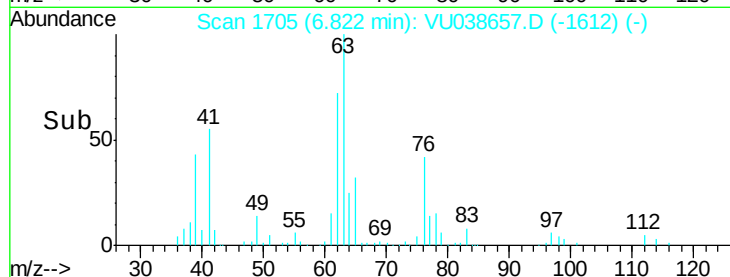
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.685 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

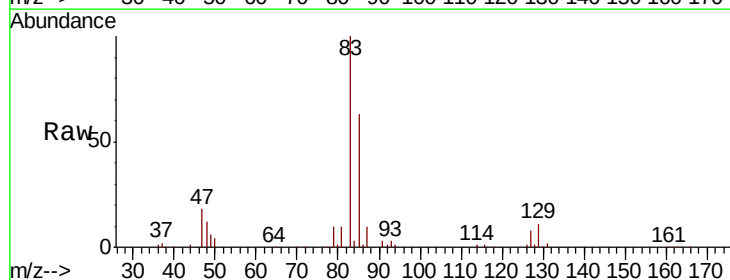
Tgt Ion: 83 Resp: 136144

Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

127 8.1 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038633.D (-1784) (-)

Ion 85.00 (84.70 to 85.70): VU038633.D (-1784) (-)

Ion 126.90 (126.60 to 127.60): VU038633.D (-1784) (-)

7.13

100000

80000

60000

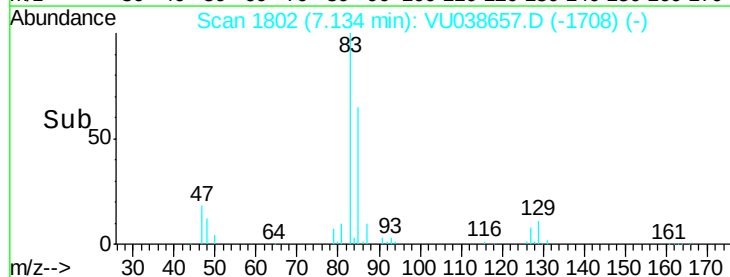
40000

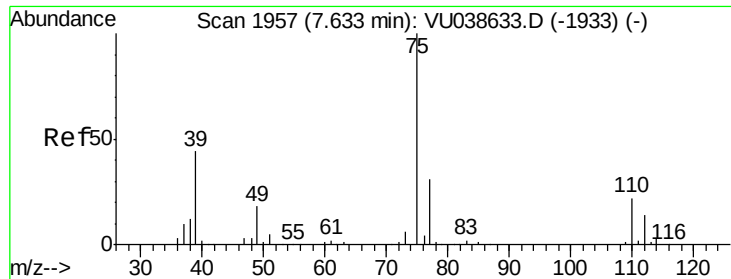
20000

0

7.05 7.10 7.15 7.20

Time-->

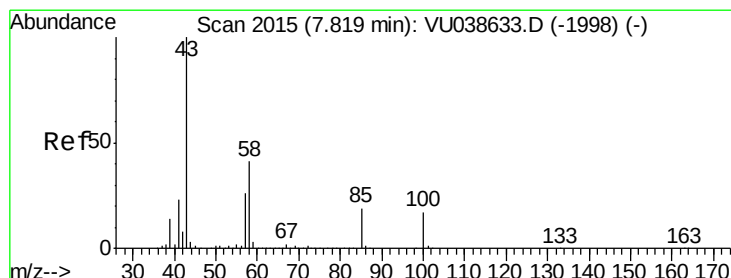
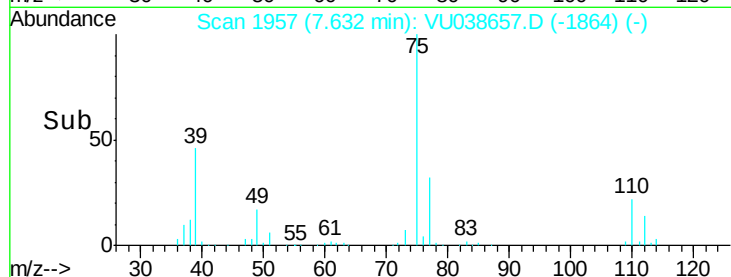
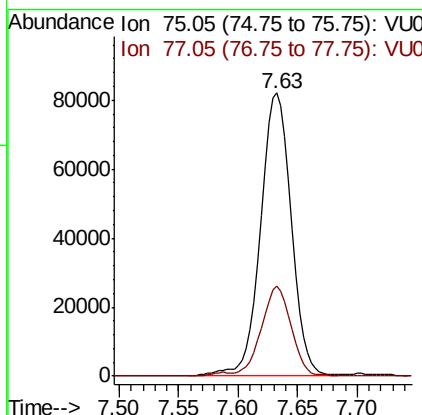
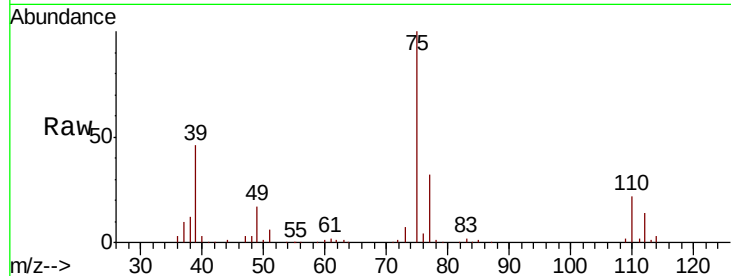




#39
 cis-1,3-Dichloropropene
 Concen: 5.171 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

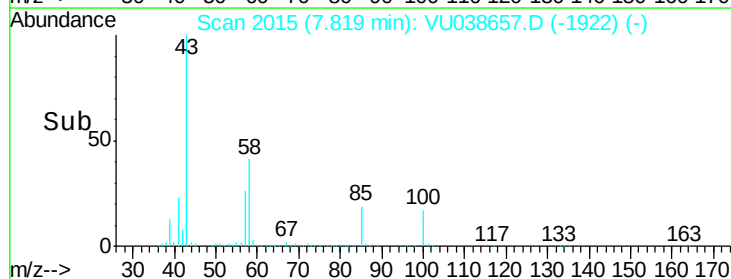
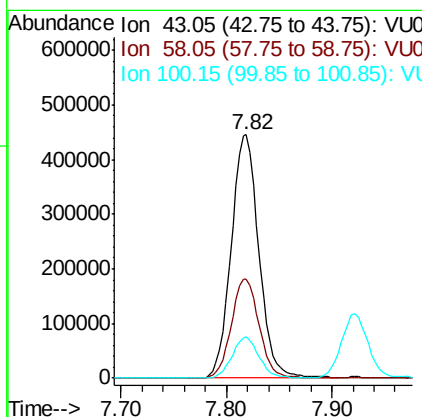
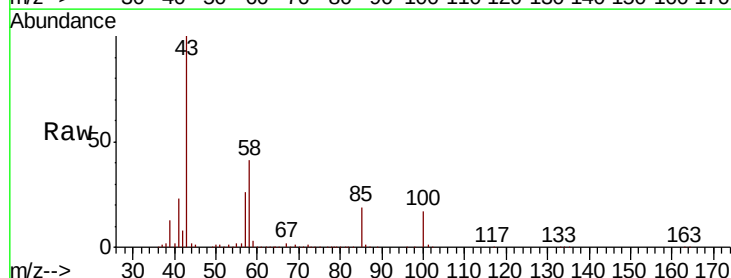
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

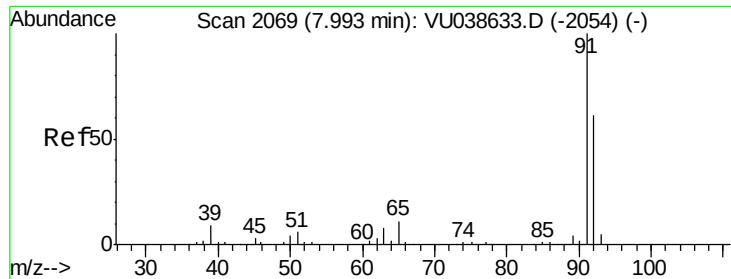
Tot Ion: 75 Resp: 147370
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 58.458 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

Tgt Ion: 43 Resp: 806217
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6
 100 16.5 13.3 19.9





#42

Toluene

Concen: 4.800 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

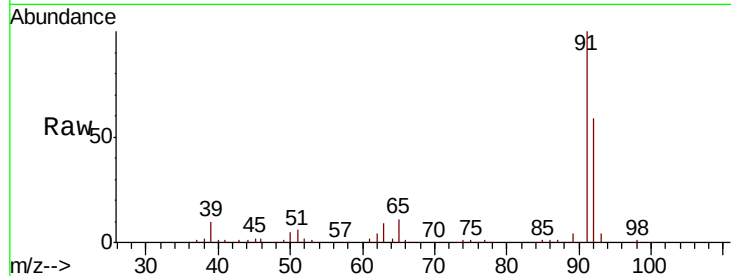
VSTD00516

Tot Ion: 91 Resp: 385839

Ion Ratio Lower Upper

91 100

92 59.3 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038633.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038657.D (-1976) (-)

7.99

250000

200000

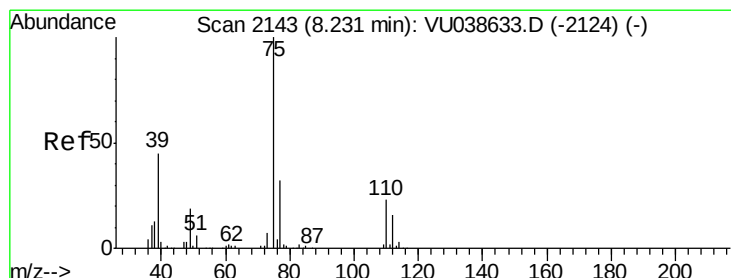
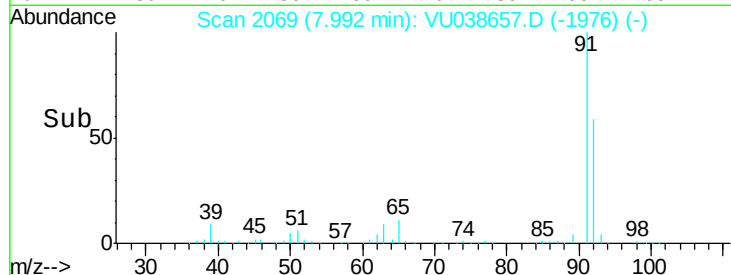
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.094 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038657.D

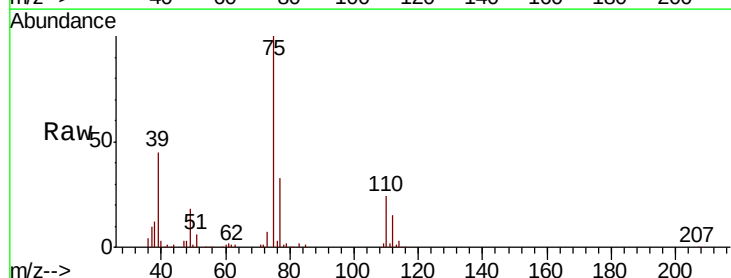
Acq: 07 Jun 2020 07:53

Tgt Ion: 75 Resp: 128221

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038633.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038657.D (-1976) (-)

8.23

80000

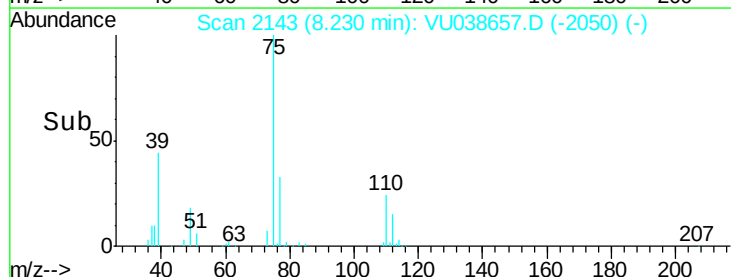
60000

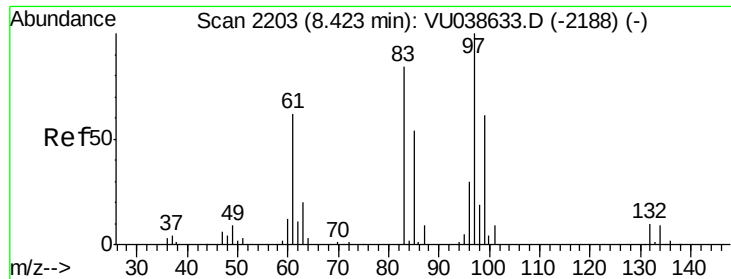
40000

20000

0

Time-->

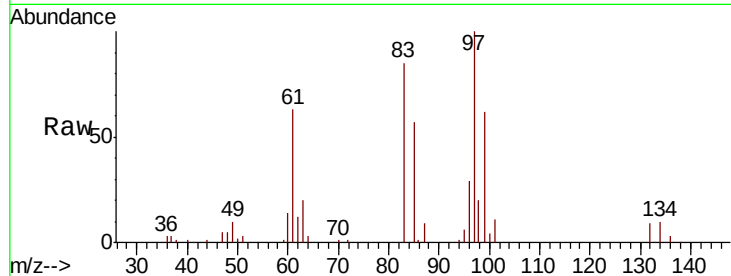




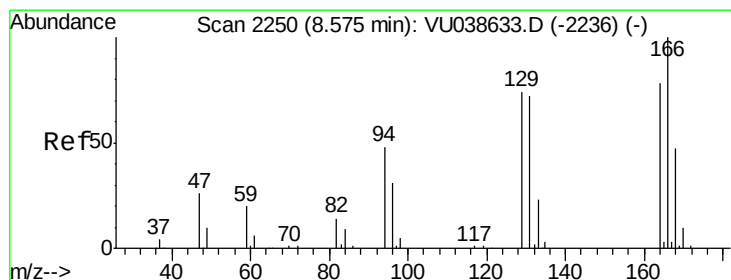
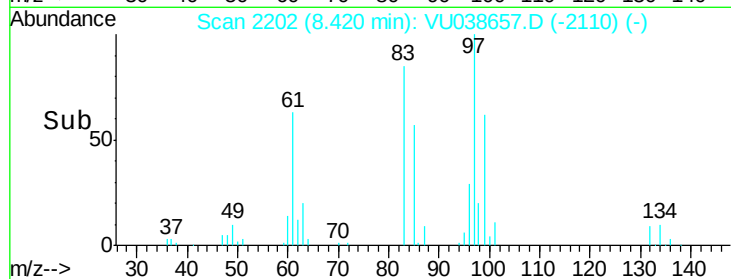
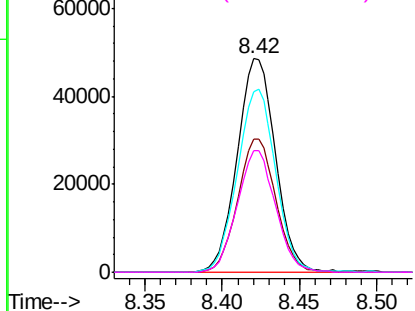
#45
1,1,2-Trichloroethane
Concen: 5.755 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:	97	Resp:	83728
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.1	78.1
83	84.8	58.8	109.2
85	56.9	37.4	69.4

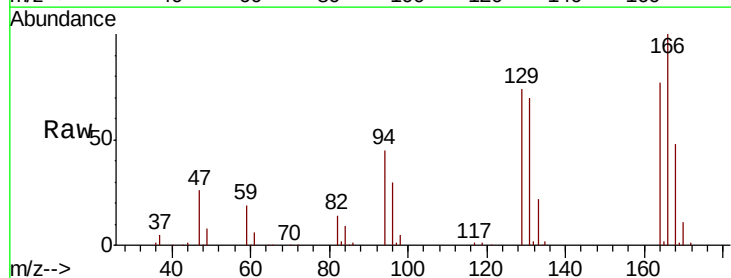


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

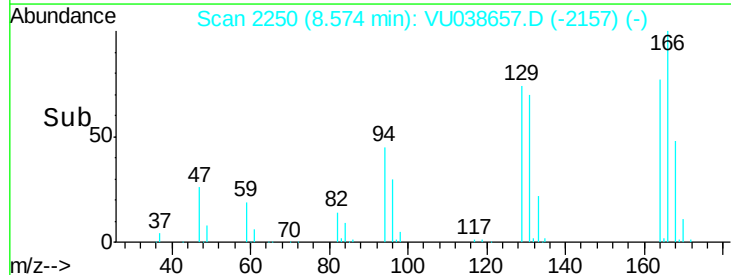
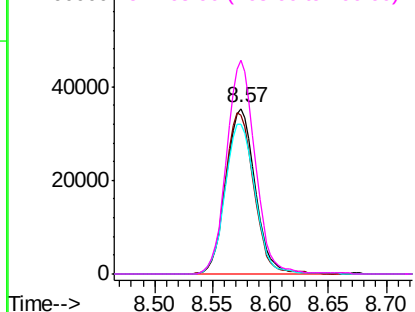


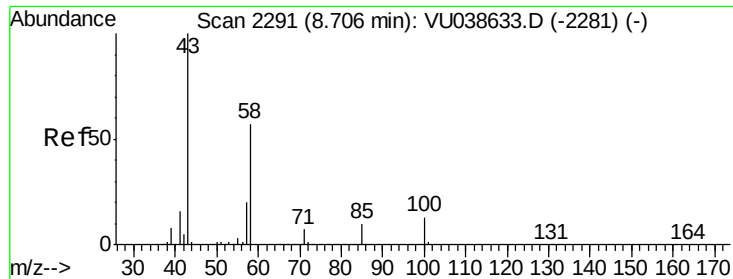
#47
Tetrachloroethene
Concen: 4.245 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Tgt Ion:	164	Resp:	61339
Ion	Ratio	Lower	Upper
164	100		
129	96.2	67.4	125.2
131	90.9	64.1	119.1
166	129.2	85.7	159.1



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

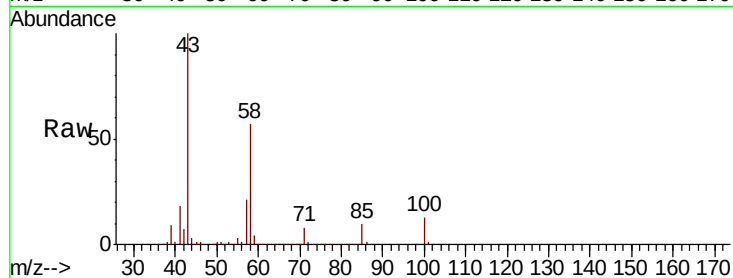




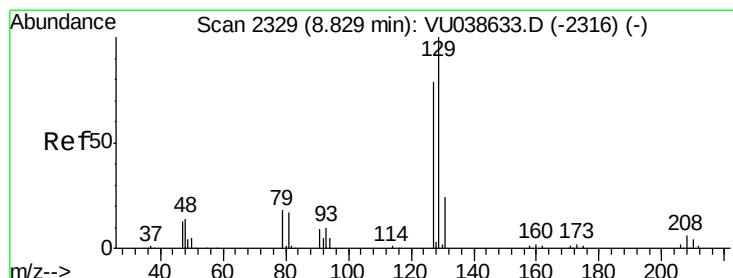
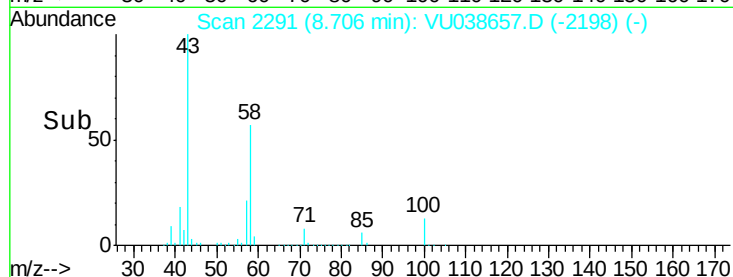
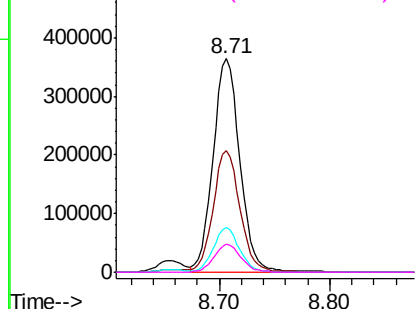
#48
2-Hexanone
Concen: 58.363 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion: 43 Resp: 609568
Ion Ratio Lower Upper
43 100
58 57.0 45.4 68.0
57 20.4 15.9 23.9
100 13.2 10.5 15.7

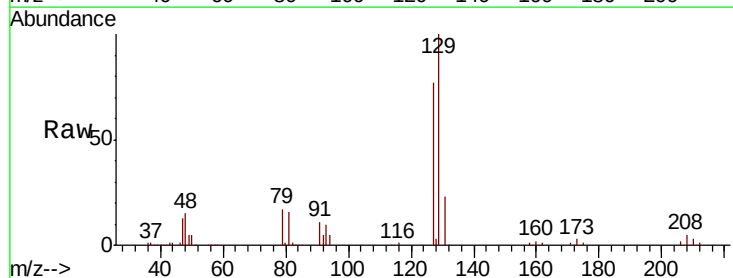


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

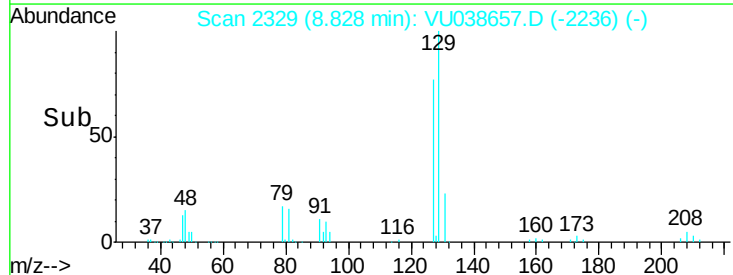
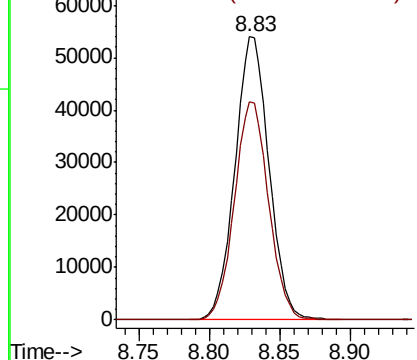


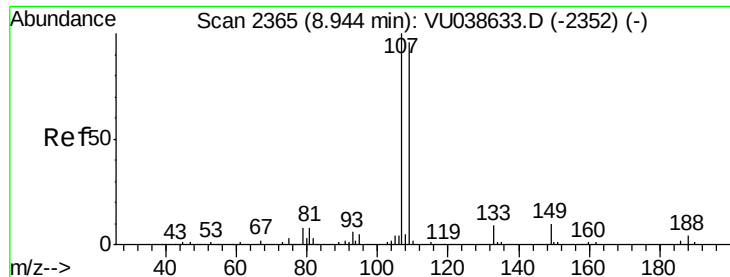
#49
Dibromochloromethane
Concen: 5.820 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Tgt Ion: 129 Resp: 91399
Ion Ratio Lower Upper
129 100
127 76.9 53.3 99.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

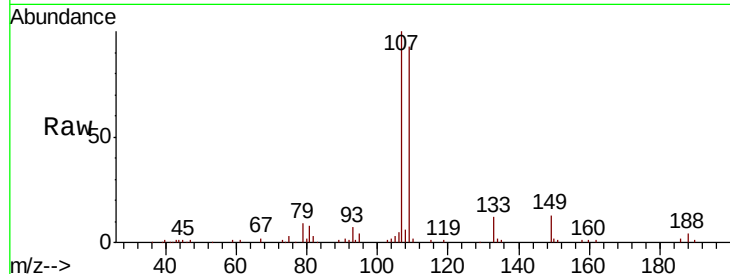




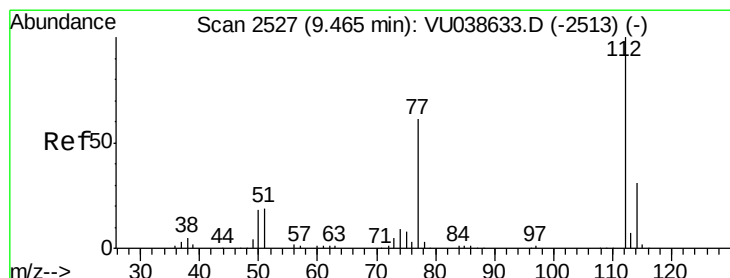
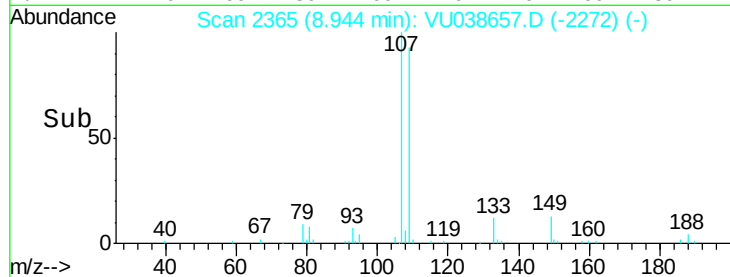
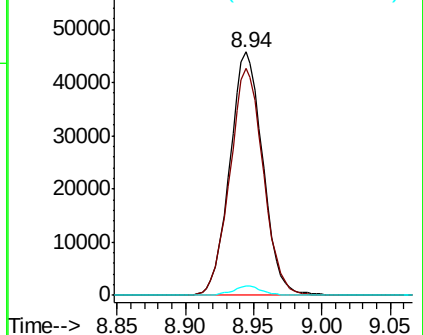
#50
1,2-Dibromoethane
Concen: 5.513 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:107 Resp: 76798
Ion Ratio Lower Upper
107 100
109 93.0 67.0 124.4
188 3.9 3.0 4.4

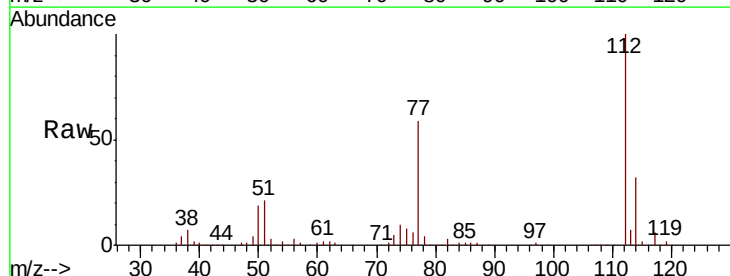


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

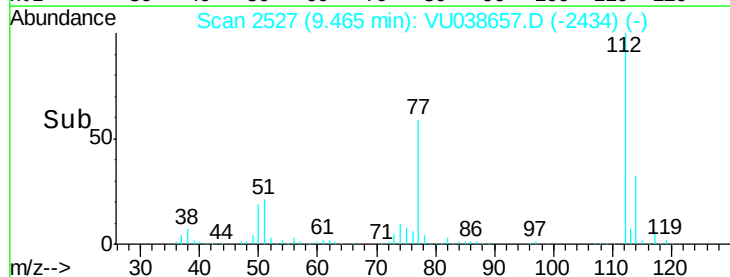
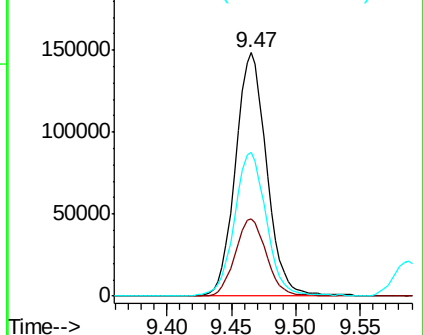


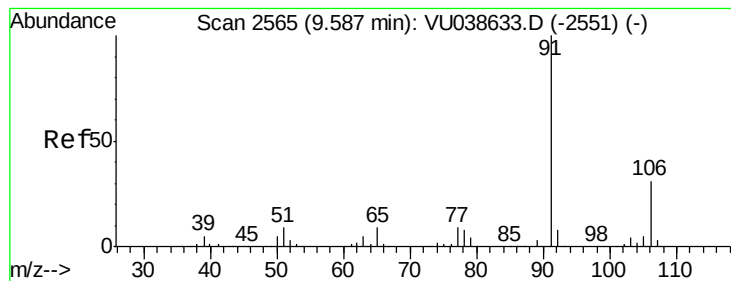
#51
Chlorobenzene
Concen: 4.823 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Tgt Ion:112 Resp: 250023
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 58.9 47.1 70.7



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: 4.479 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

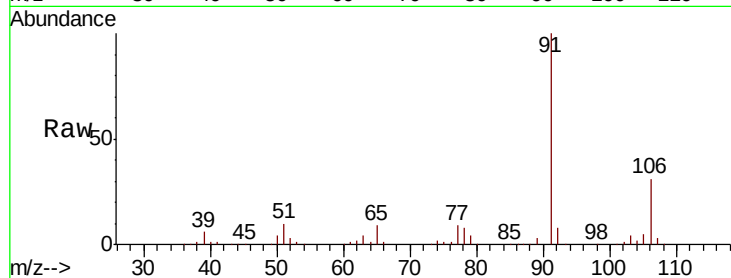
VSTD00516

Tot Ion: 91 Resp: 400541

Ion Ratio Lower Upper

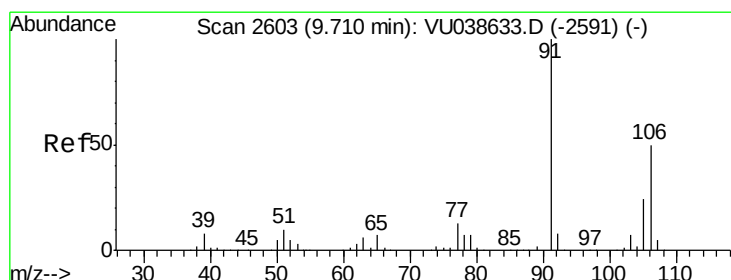
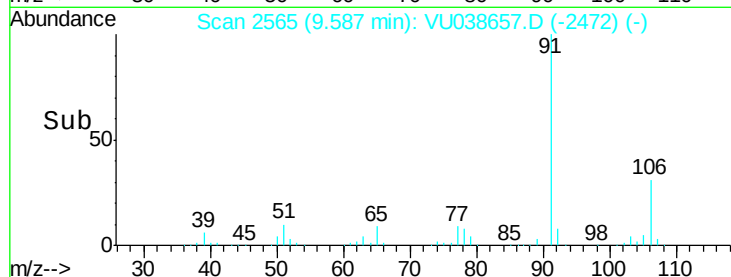
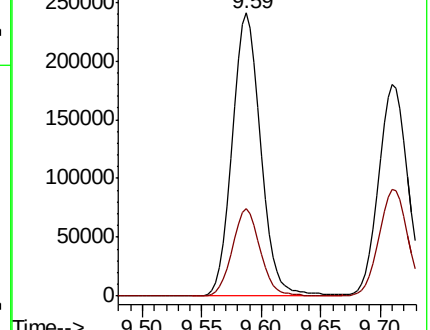
91 100

106 30.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038633.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038633.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.492 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038657.D

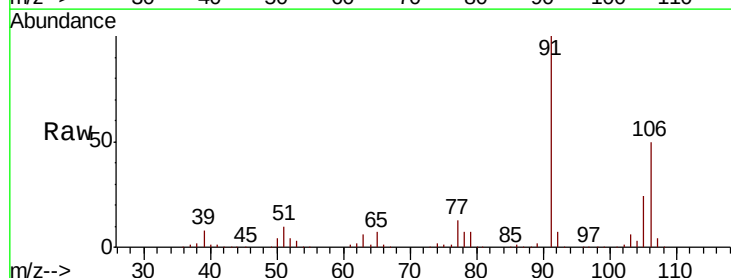
Acq: 07 Jun 2020 07:53

Tgt Ion: 106 Resp: 154495

Ion Ratio Lower Upper

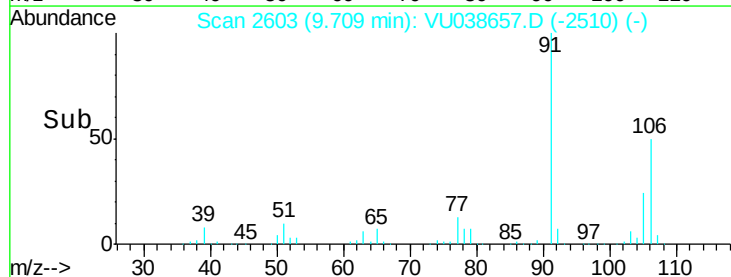
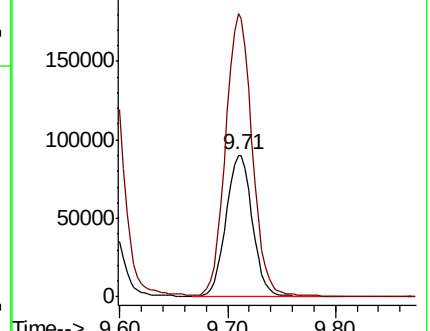
106 100

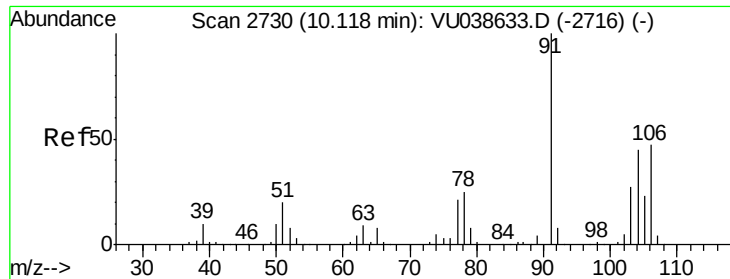
91 199.6 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038633.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU038633.D (-2591) (-)

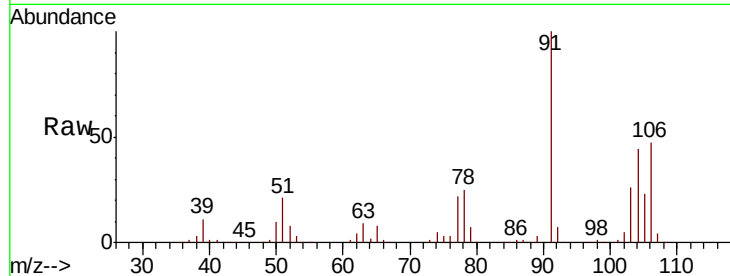




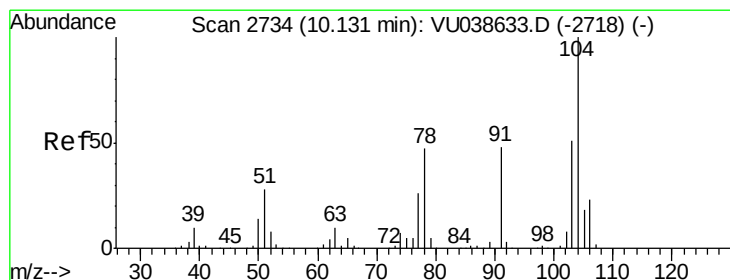
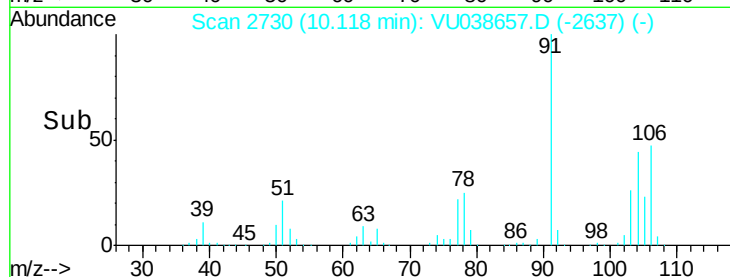
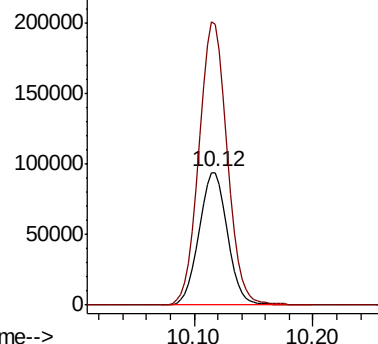
#54
o-Xylene
Concen: 4.726 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:106 Resp: 156043
Ion Ratio Lower Upper
106 100
91 212.5 150.6 279.8

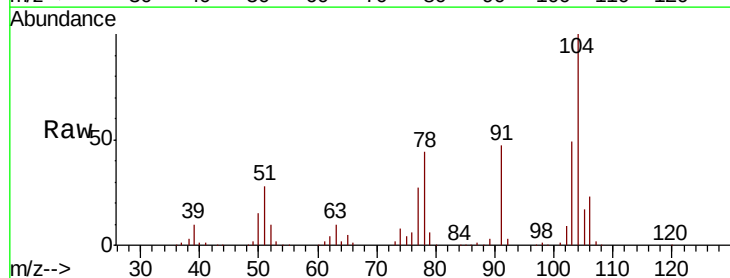


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

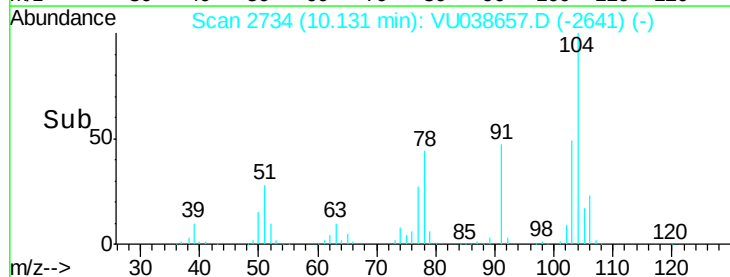
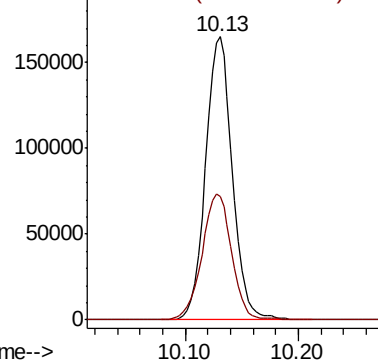


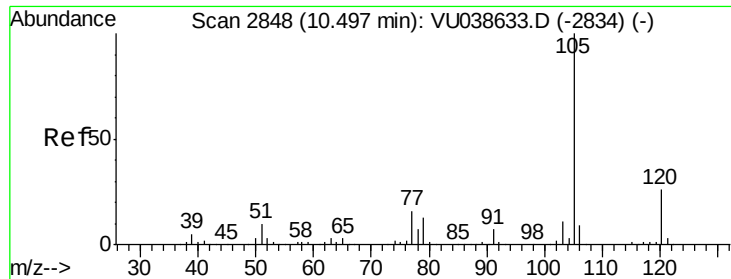
#55
Styrene
Concen: 4.847 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038657.D
Acq: 07 Jun 2020 07:53

Tgt Ion:104 Resp: 271652
Ion Ratio Lower Upper
104 100
78 43.6 31.9 59.3



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





#56

Isopropylbenzene

Concen: 4.383 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

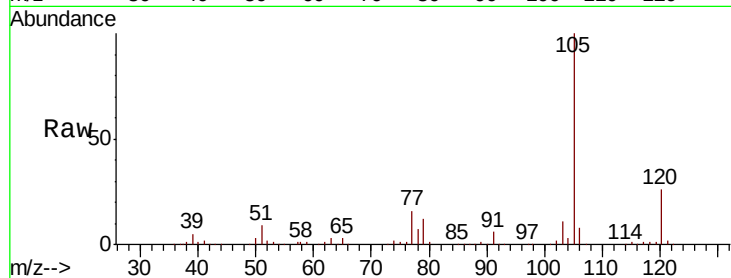
Tot Ion:105 Resp: 380916

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

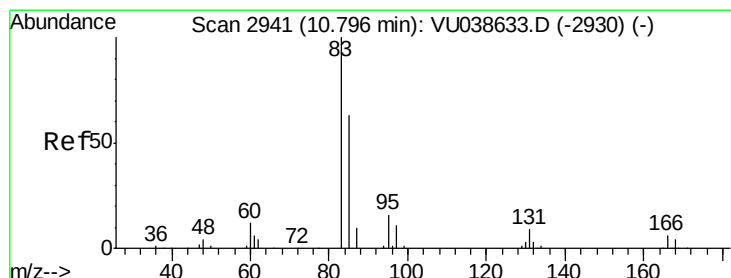
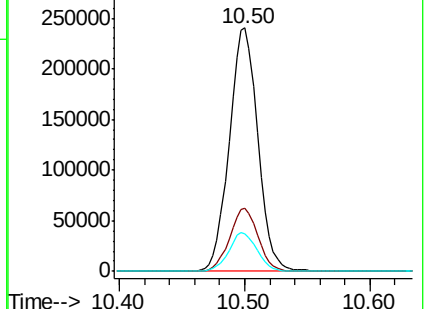
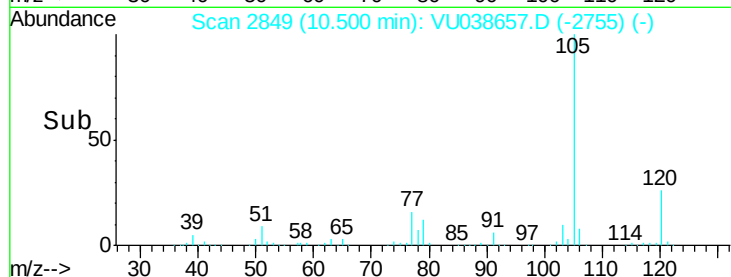
77 15.7 12.5 18.7



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: 5.735 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

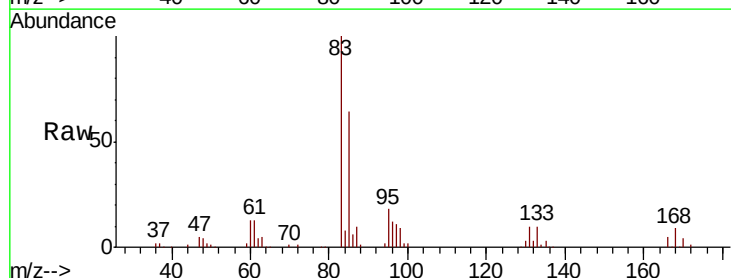
Tgt Ion: 83 Resp: 106040

Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.0

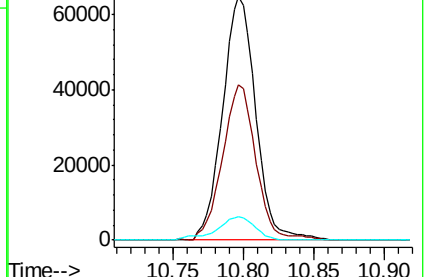
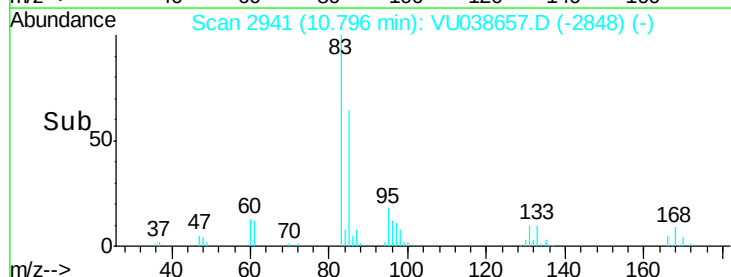
131 9.5 8.1 12.1

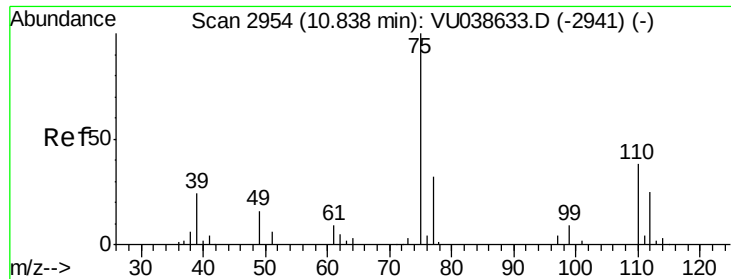


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

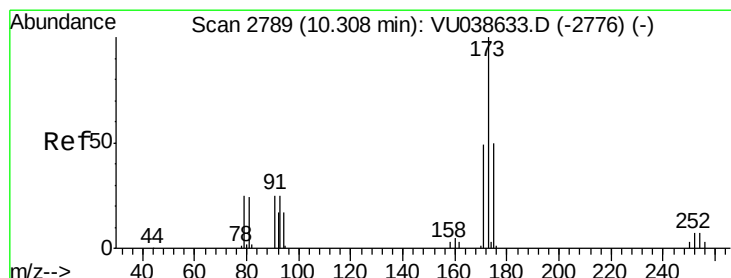
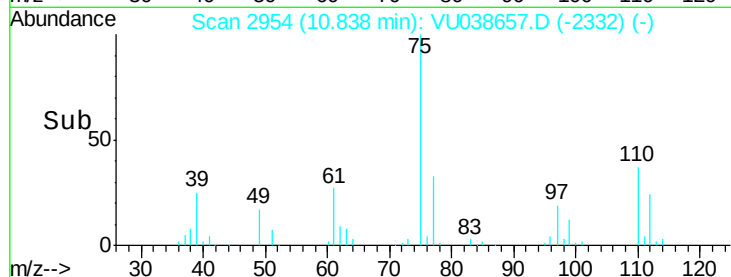
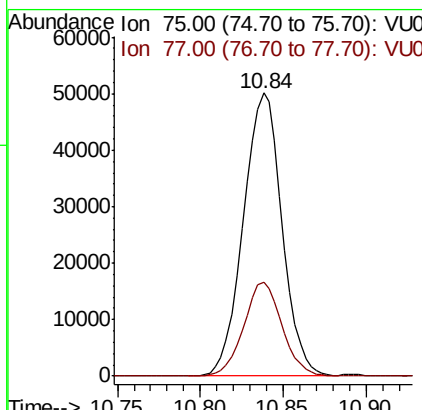
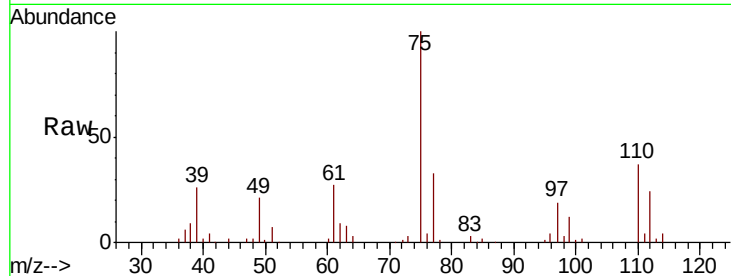




#59
 1,2,3-Trichloropropane
 Concen: 5.651 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

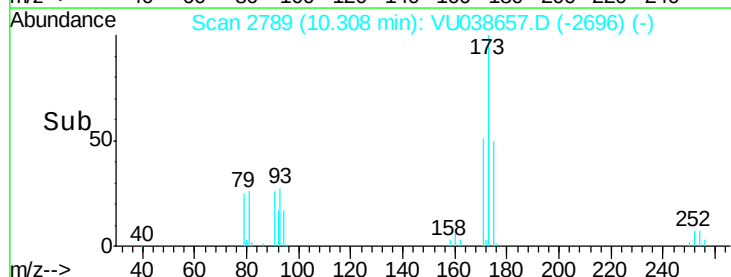
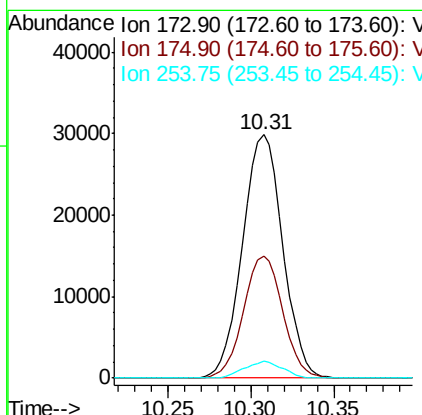
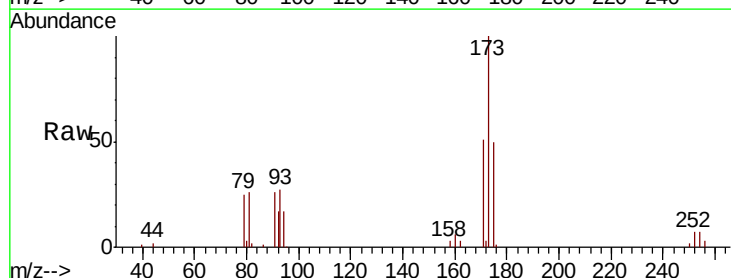
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

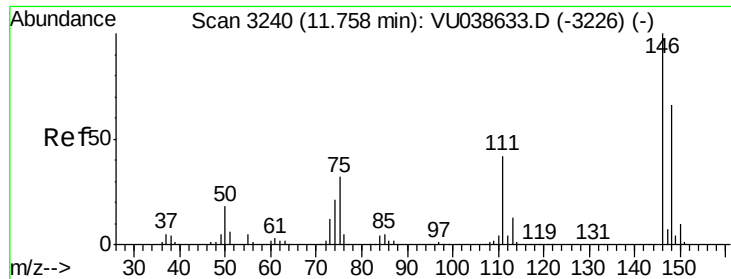
Tot Ion: 75 Resp: 81336
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.2



#61
 Bromoform
 Concen: 5.959 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

Tgt Ion: 173 Resp: 50384
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.7 58.1
 254 6.5 5.4 8.2





#62

1,3-Dichlorobenzene

Concen: 4.807 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

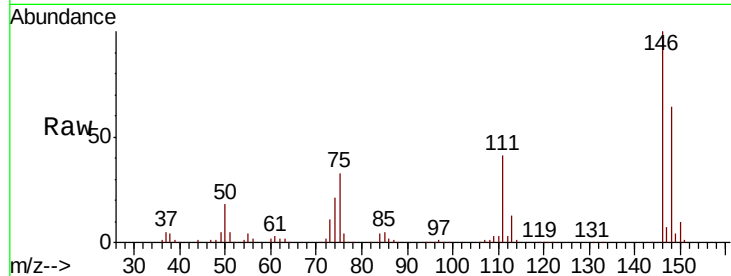
Tot Ion:146 Resp: 191695

Ion Ratio Lower Upper

146 100

111 41.3 29.5 54.9

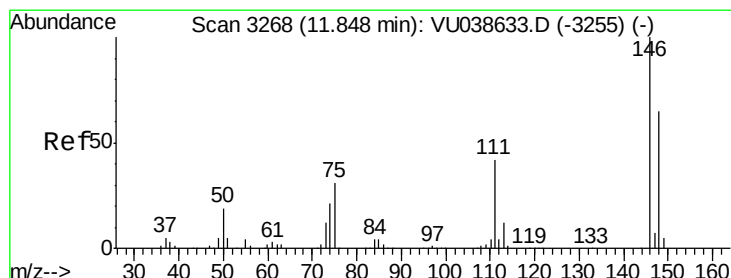
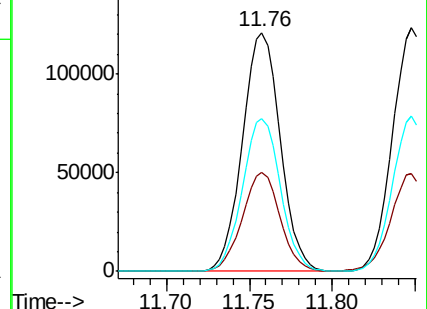
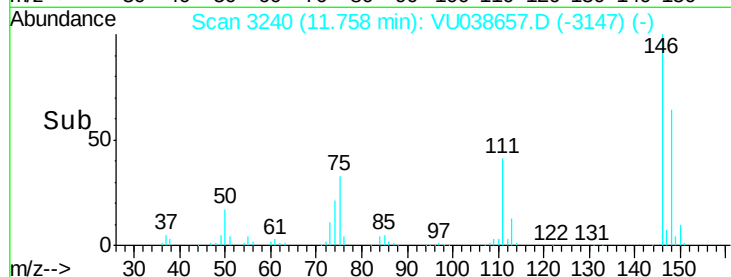
148 64.1 45.6 84.6



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



#63

1,4-Dichlorobenzene

Concen: 4.813 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

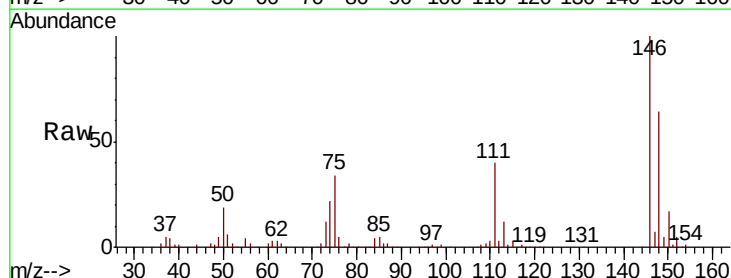
Tgt Ion:146 Resp: 194629

Ion Ratio Lower Upper

146 100

111 40.3 27.6 51.2

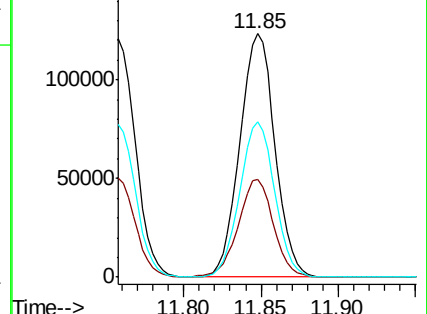
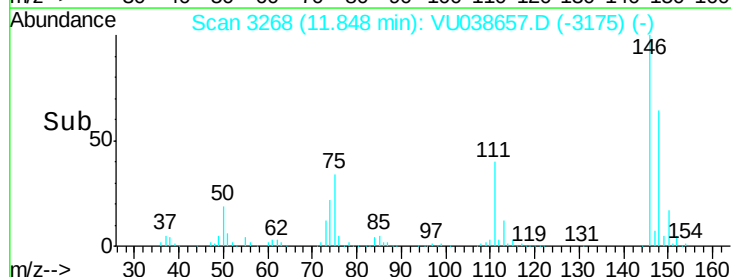
148 63.6 44.8 83.2

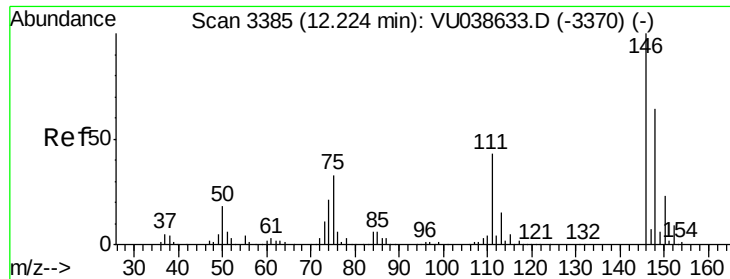


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.111 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

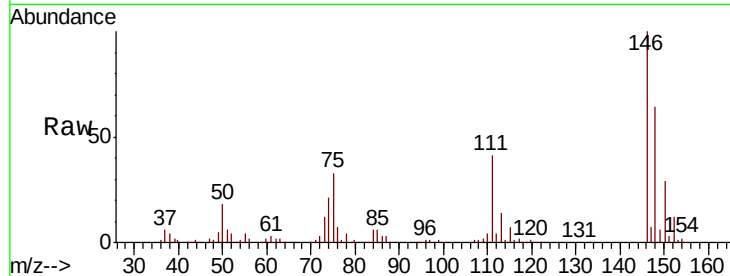
Tot Ion:146 Resp: 193541

Ion Ratio Lower Upper

146 100

111 41.1 35.1 52.7

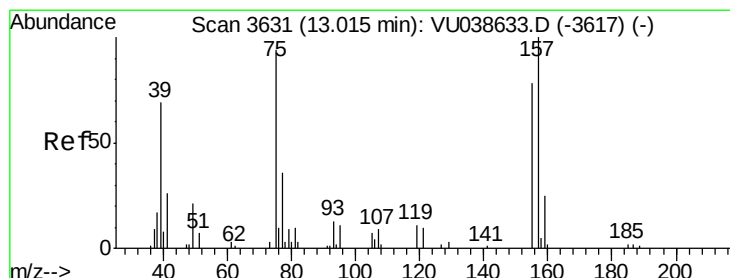
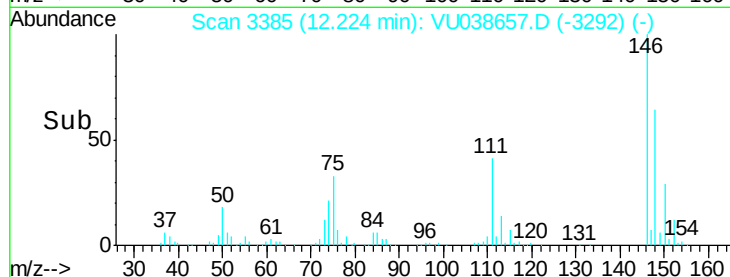
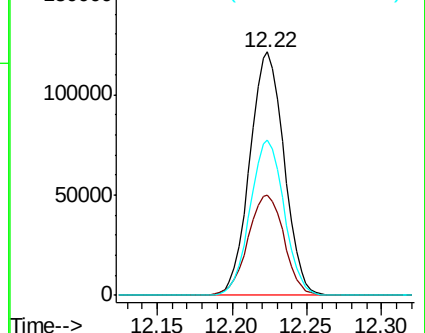
148 64.0 50.9 76.3



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: 6.071 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

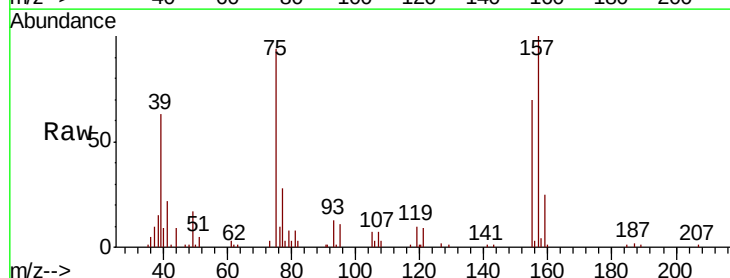
Tgt Ion: 75 Resp: 18615

Ion Ratio Lower Upper

75 100

155 74.4 59.6 89.4

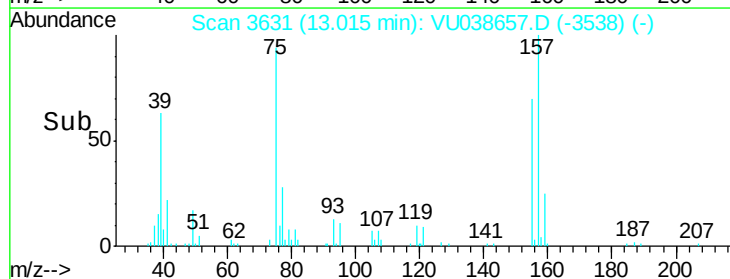
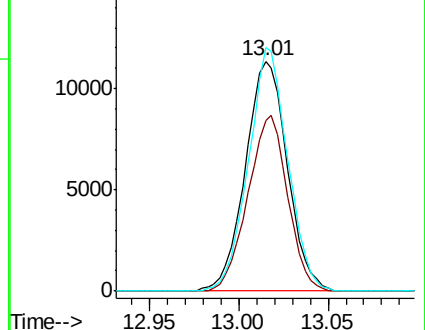
157 105.9 79.8 119.6

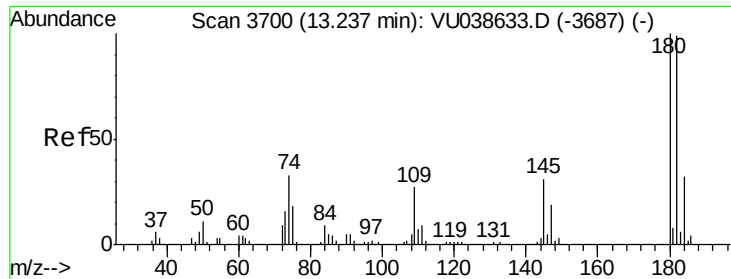


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

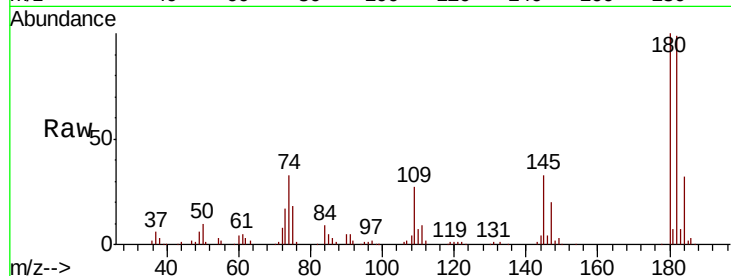




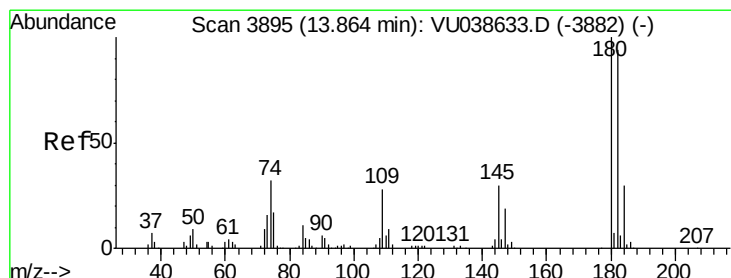
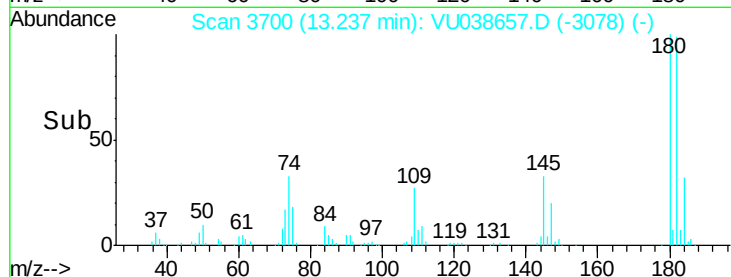
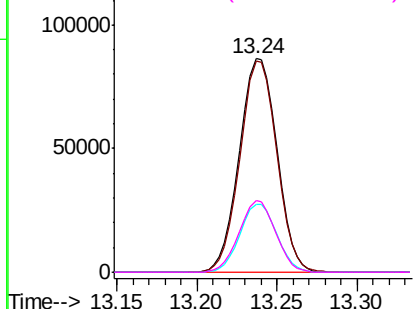
#67
 1,3,5-Trichlorobenzene
 Concen: 4.657 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion:180	Resp:	138551
Ion	Ratio	Lower Upper
180	100	
182	96.5	76.8 115.2
184	31.1	25.1 37.7
145	32.2	24.6 37.0

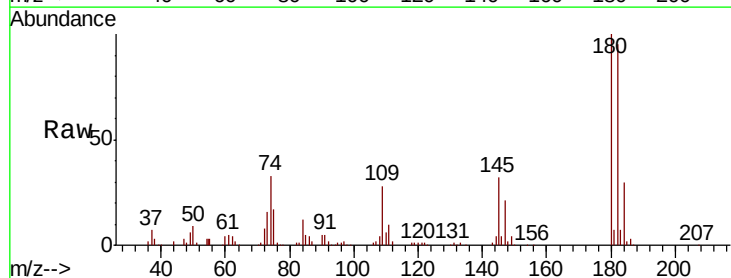


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

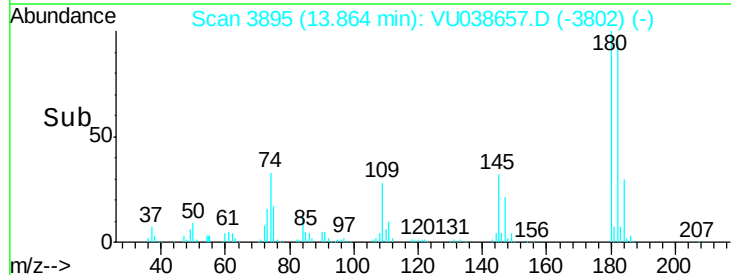
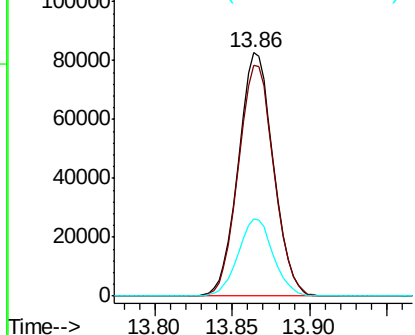


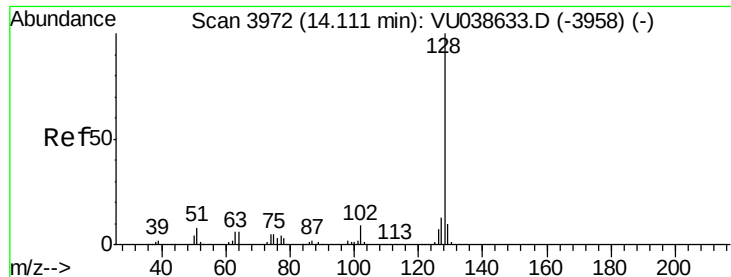
#68
 1,2,4-trichlorobenzene
 Concen: 4.732 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038657.D
 Acq: 07 Jun 2020 07:53

Tgt Ion:180	Resp:	130323
Ion	Ratio	Lower Upper
180	100	
182	96.1	75.8 113.8
145	31.6	25.3 37.9



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: 5.323 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

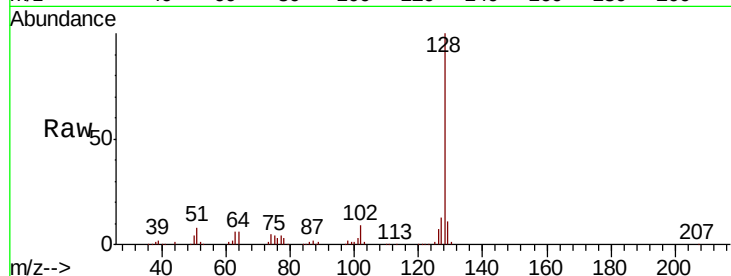
Tot Ion:128 Resp: 291753

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

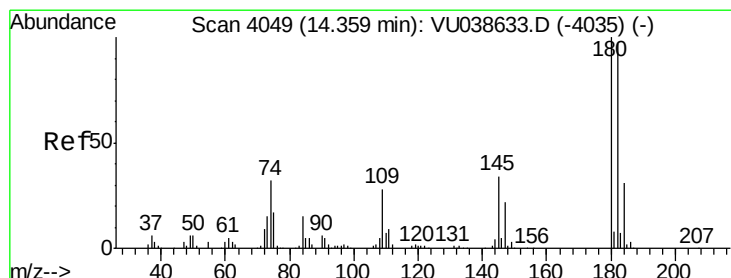
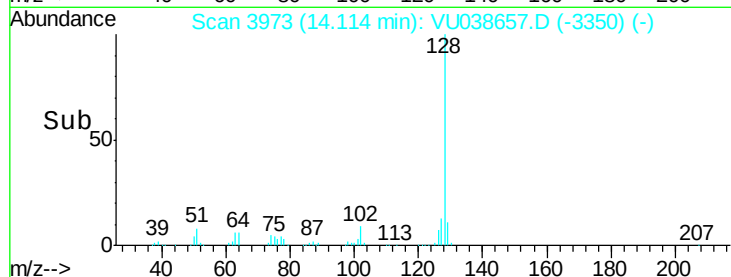
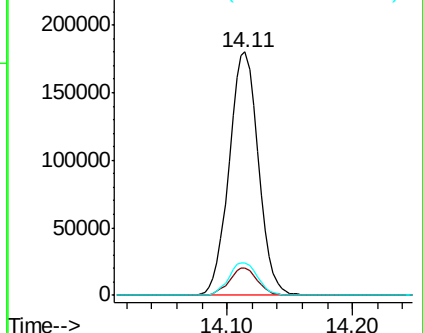
127 13.3 10.2 15.4



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: 5.096 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038657.D

Acq: 07 Jun 2020 07:53

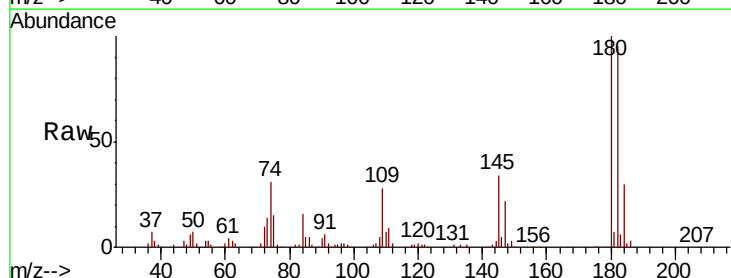
Tgt Ion:180 Resp: 127687

Ion Ratio Lower Upper

180 100

182 94.9 78.7 118.1

145 33.7 27.5 41.3



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

