

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038539.D
 Acq On : 04 Jun 2020 09:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Jun 05 01:06:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 04 03:42:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	322898	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	310809	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	162172	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114851	5.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.00%
7) Chloroethane-d5	1.93	69	89233	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.59	63	218846	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.40%
20) 2-Butanone-d5	4.68	46	339791	53.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.04%
24) Chloroform-d	5.10	84	216132	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.74	65	120903	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.76	84	426725	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
36) 1,2-Dichloropropane-d6	6.72	67	126088	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.92	98	384946	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
43) trans-1,3-Dichloropropene-	8.20	79	55509	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	8.66	63	277289	54.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108396	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	146839	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	113268	4.451 ug/L	98
3) Chloromethane	1.53	50	93395	3.996 ug/L	98
5) Vinyl chloride	1.62	62	104950	4.191 ug/L	99
6) Bromomethane	1.88	94	51134	4.206 ug/L	98
8) Chloroethane	1.95	64	63784	4.251 ug/L	98
9) Trichlorofluoromethane	2.16	101	160433	4.830 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	94754	4.843 ug/L	98
12) 1,1-Dichloroethene	2.61	96	88261	4.438 ug/L	97
13) Acetone	2.69	43	206821	49.780 ug/L	98
14) Carbon disulfide	2.82	76	260343	3.858 ug/L	99
15) Methyl Acetate	2.99	43	47162	4.634 ug/L	95
16) Methylene chloride	3.08	84	101878	4.527 ug/L	97
17) Methyl tert-butyl Ether	3.40	73	247355	4.744 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	94404	4.405 ug/L	97
19) 1,1-Dichloroethane	3.91	63	180694	4.711 ug/L	98
21) 2-Butanone	4.76	43	342608	49.027 ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	105822	4.586 ug/L	93

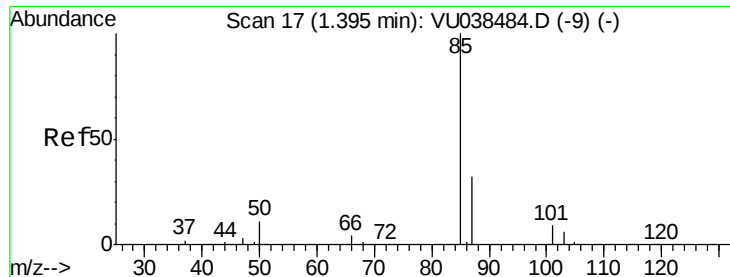
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038539.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 04 03:42:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47345	4.559	ug/L	100
25) Chloroform	5.13	83	190251	4.883	ug/L	99
27) 1,2-Dichloroethane	5.83	62	127853	4.661	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	160508	4.880	ug/L	99
30) Cyclohexane	5.42	56	152334	4.417	ug/L	99
31) Carbon tetrachloride	5.56	117	133585	4.879	ug/L	99
33) Benzene	5.81	78	401073	4.628	ug/L	100
34) Trichloroethene	6.57	95	103426	4.598	ug/L	98
35) Methylcyclohexane	6.79	83	159230	4.572	ug/L	96
37) 1,2-Dichloropropane	6.82	63	103272	4.735	ug/L	100
38) Bromodichloromethane	7.13	83	133240	4.919	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	156552	4.857	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	728854	46.730	ug/L	99
42) Toluene	8.00	91	433157	4.765	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	137171	4.819	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	80763	4.908	ug/L	99
47) Tetrachloroethene	8.58	164	76492	4.680	ug/L	98
48) 2-Hexanone	8.71	43	559040	47.328	ug/L	99
49) Dibromochloromethane	8.83	129	90033	5.069	ug/L	99
50) 1,2-Dibromoethane	8.95	107	75016	4.761	ug/L	98
51) Chlorobenzene	9.47	112	278257	4.746	ug/L	99
52) Ethylbenzene	9.59	91	478940	4.735	ug/L	98
53) m,p-Xylene	9.71	106	187609	4.823	ug/L	95
54) o-Xylene	10.12	106	180184	4.826	ug/L	96
55) Styrene	10.13	104	312534	4.931	ug/L	100
56) Isopropylbenzene	10.50	105	480556	4.890	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	99540	4.760	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	77539	4.763	ug/L	99
61) Bromoform	10.31	173	48844	4.835	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	227788	4.781	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	235666	4.877	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	217593	4.809	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	17183	4.691	ug/L	89
67) 1,3,5-Trichlorobenzene	13.25	180	173563	4.882	ug/L	97
68) 1,2,4-trichlorobenzene	13.88	180	156898	4.768	ug/L	99
69) Naphthalene	14.12	128	303128	4.629	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	142818	4.770	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.451 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

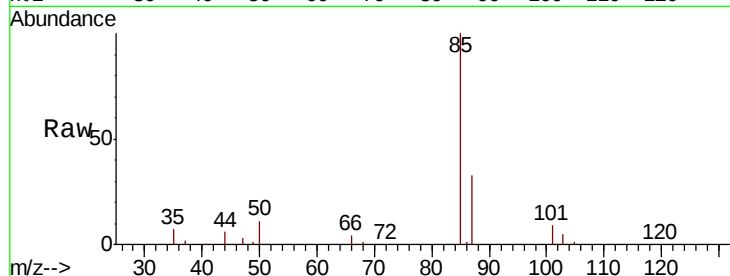
VSTD00509

Tot Ion: 85 Resp: 113268

Ion Ratio Lower Upper

85 100

87 32.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038484.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038484.D (-9) (-)

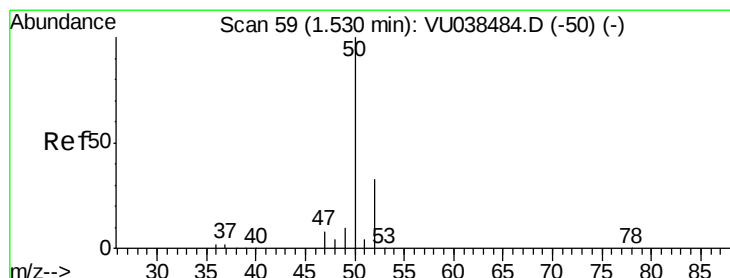
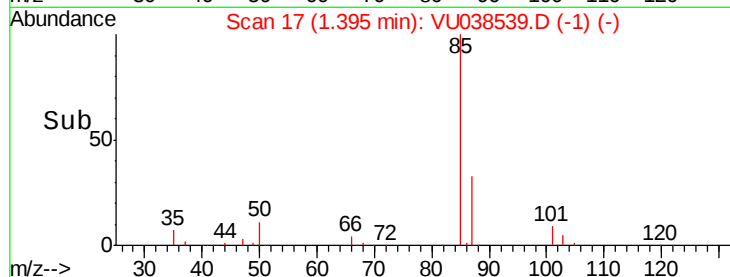
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.996 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038539.D

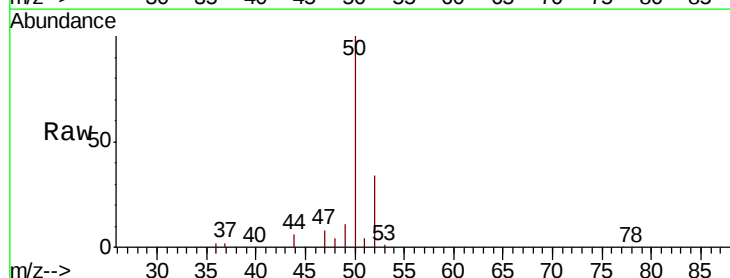
Acq: 04 Jun 2020 09:50

Tgt Ion: 50 Resp: 93395

Ion Ratio Lower Upper

50 100

52 33.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038484.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038484.D (-50) (-)

1.53

80000

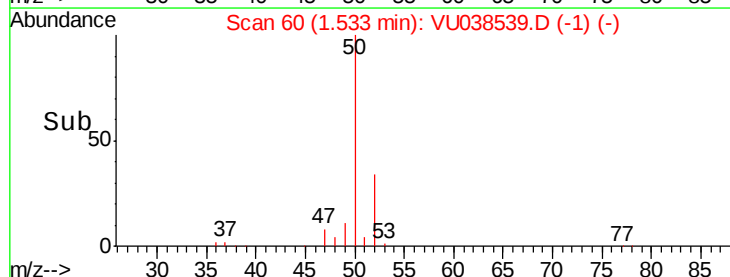
60000

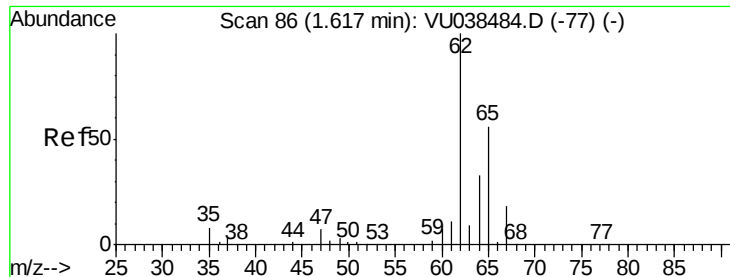
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.191 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

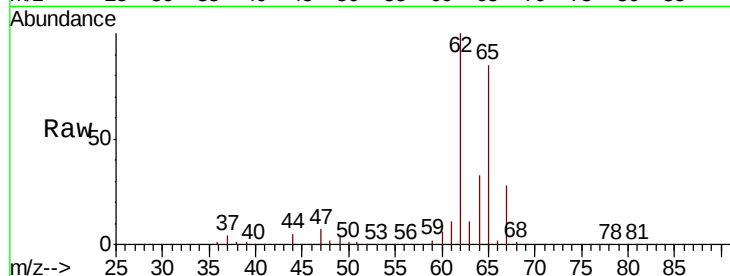
VSTD00509

Tot Ion: 62 Resp: 104950

Ion Ratio Lower Upper

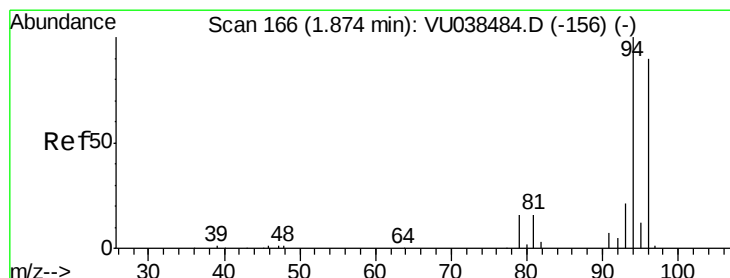
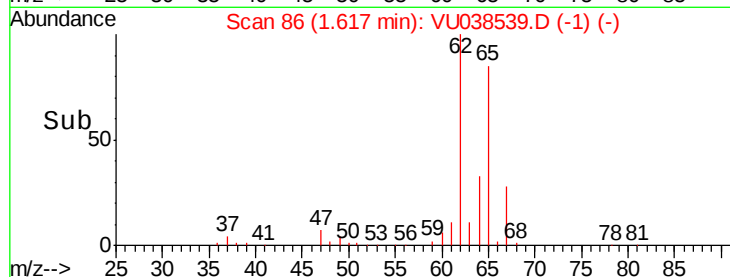
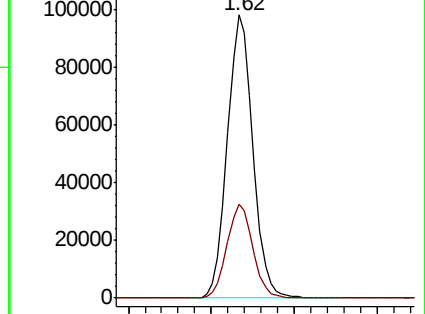
62 100

64 33.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038484.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038484.D (-77) (-)



#6

Bromomethane

Concen: 4.206 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038539.D

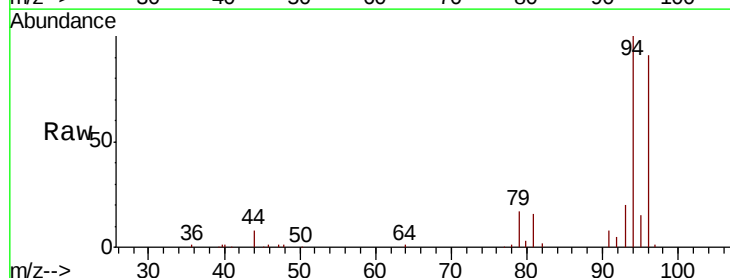
Acq: 04 Jun 2020 09:50

Tgt Ion: 94 Resp: 51134

Ion Ratio Lower Upper

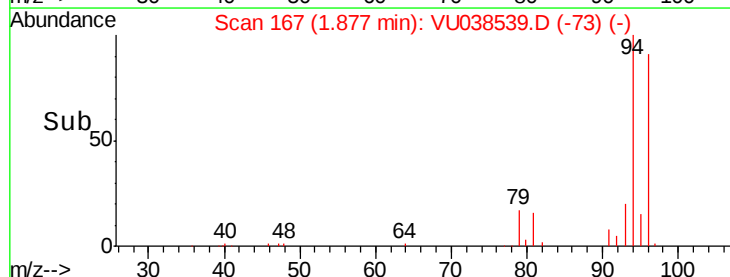
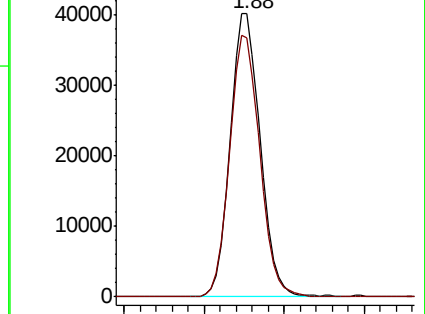
94 100

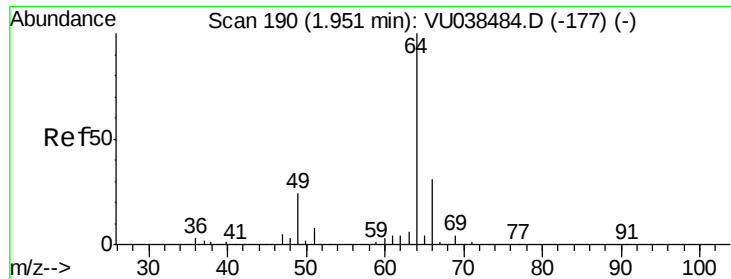
96 91.5 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038484.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038484.D (-156) (-)

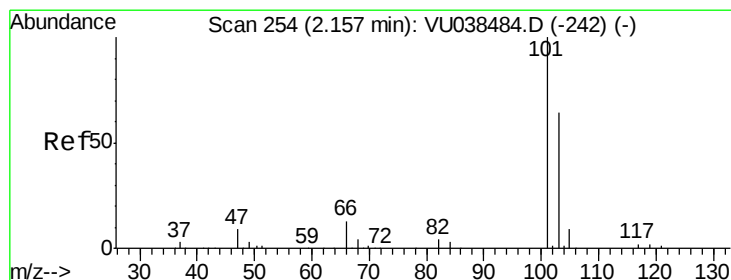
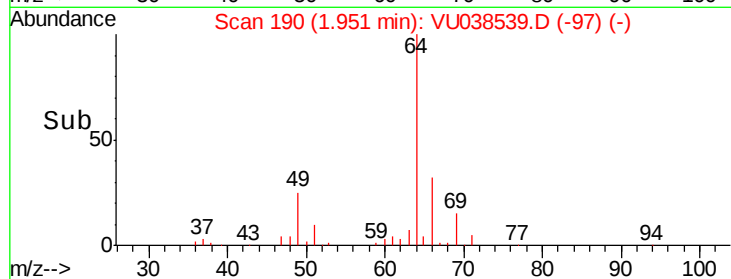
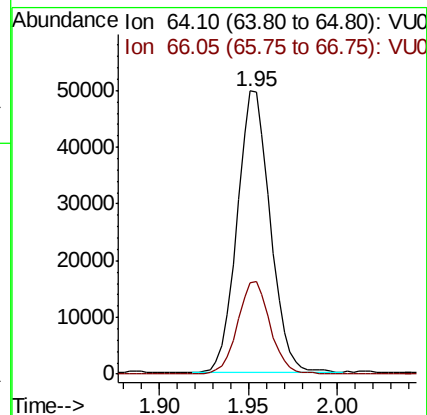
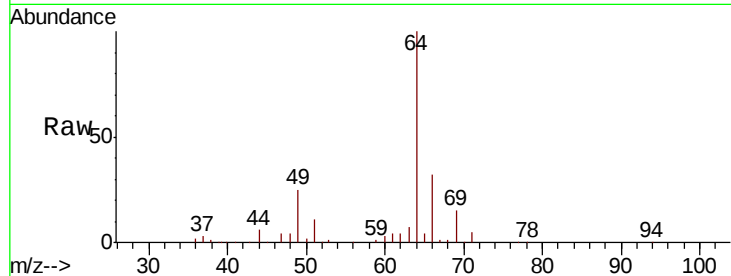




#8
Chloroethane
Concen: 4.251 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

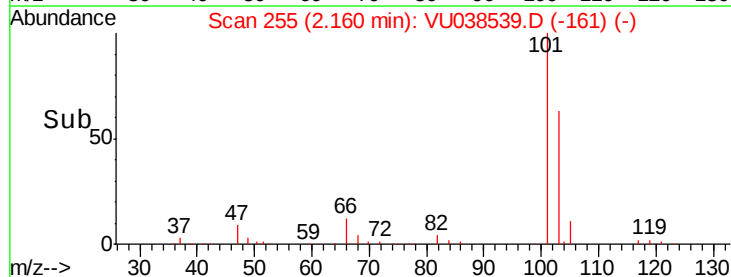
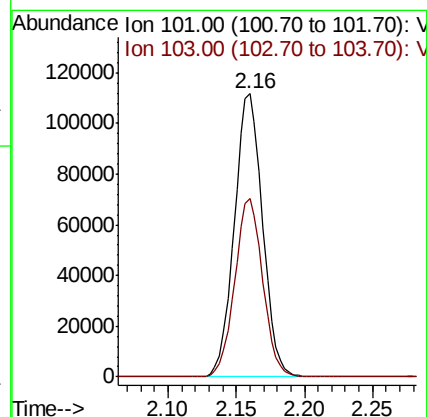
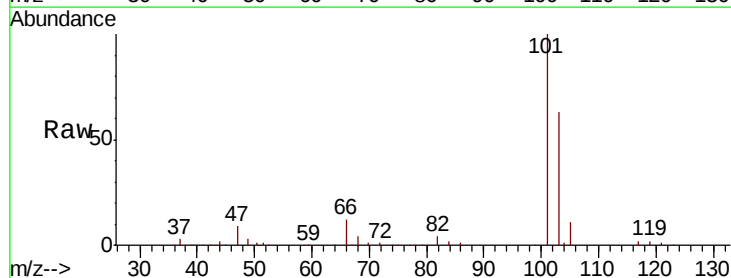
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

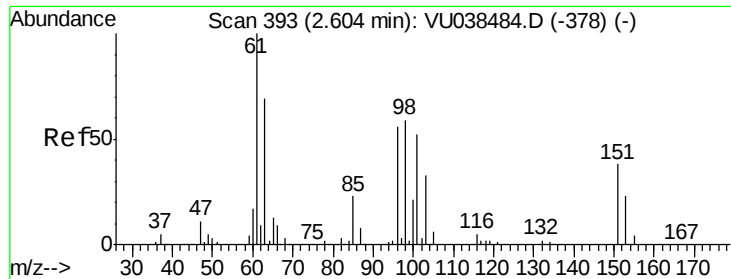
Tot Ion: 64 Resp: 63784
Ion Ratio Lower Upper
64 100
66 32.1 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.830 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

Tgt Ion: 101 Resp: 160433
Ion Ratio Lower Upper
101 100
103 62.4 51.1 76.7





#10

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

Concen: 4.843 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

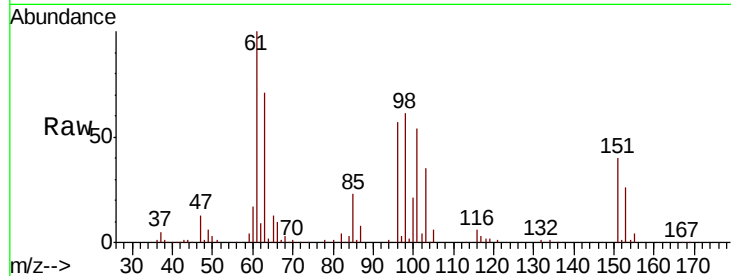
Tot Ion:101 Resp: 94754

Ion Ratio Lower Upper

101 100

85 43.4 34.0 51.0

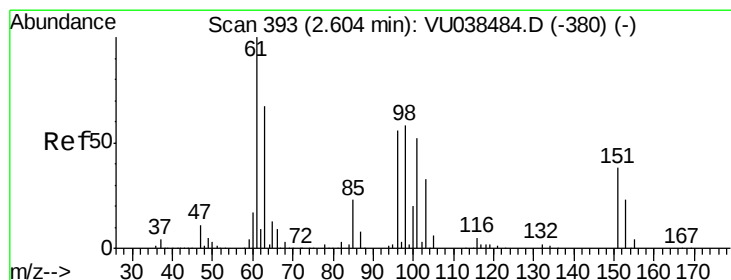
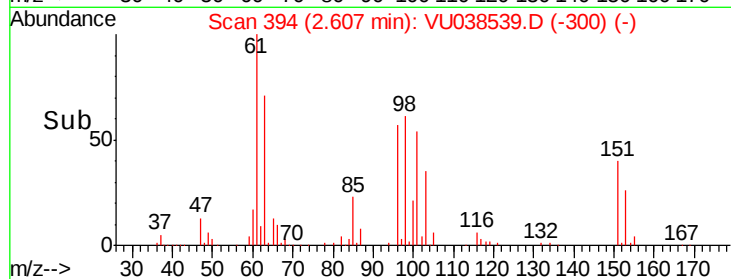
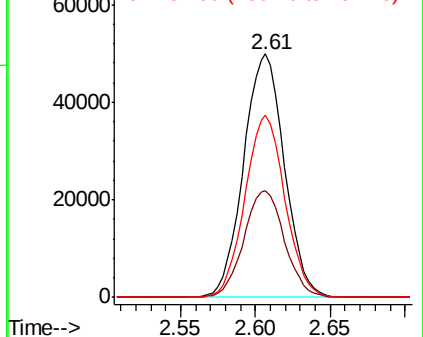
151 73.3 56.9 85.3



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: 4.438 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

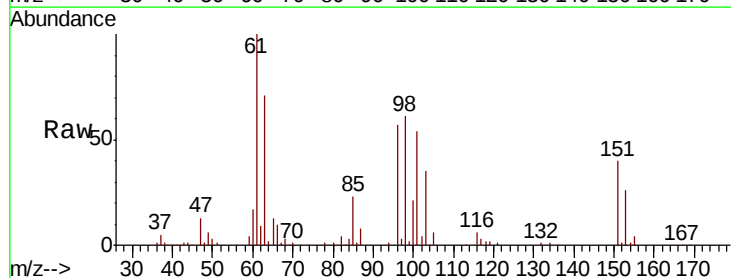
Tgt Ion: 96 Resp: 88261

Ion Ratio Lower Upper

96 100

61 175.2 119.9 222.7

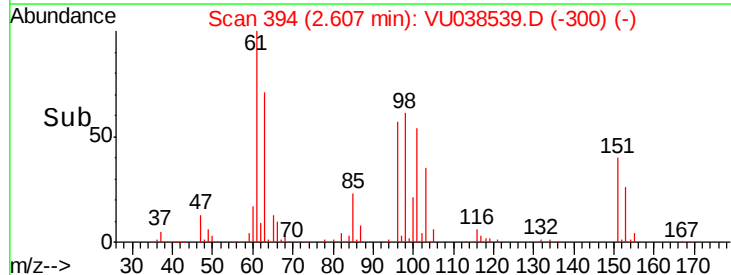
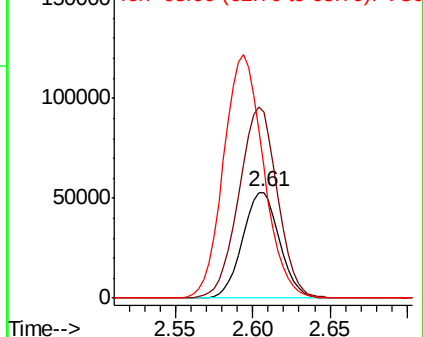
63 124.1 89.9 167.0

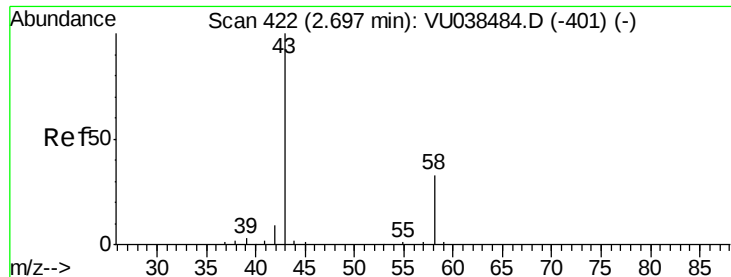


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.780 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

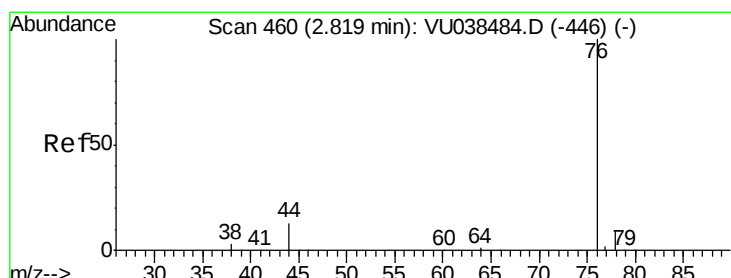
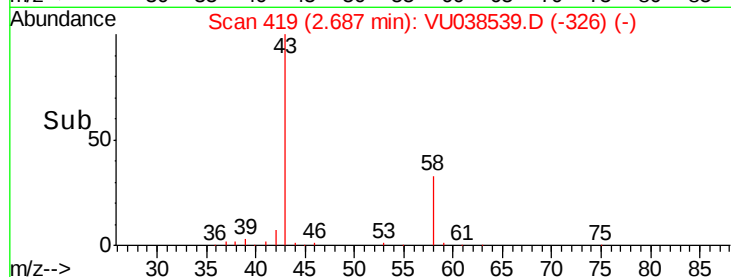
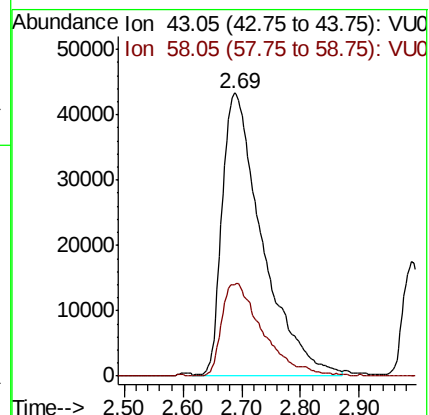
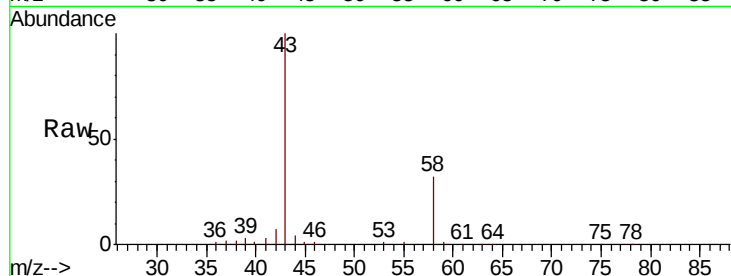
VSTD00509

Tot Ion: 43 Resp: 206821

Ion Ratio Lower Upper

43 100

58 31.9 0.0 65.6



#14

Carbon disulfide

Concen: 3.858 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038539.D

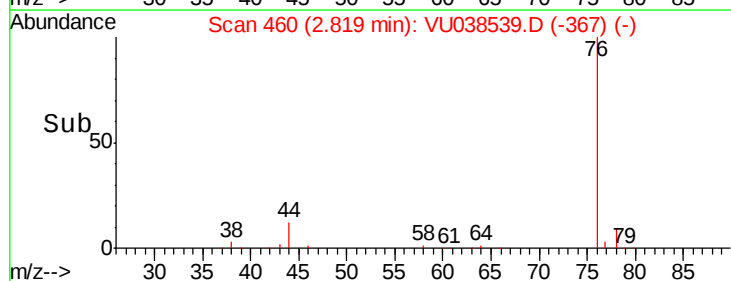
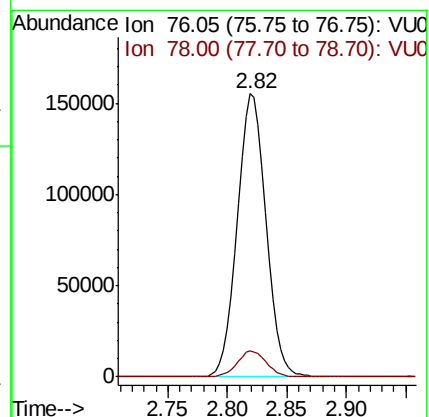
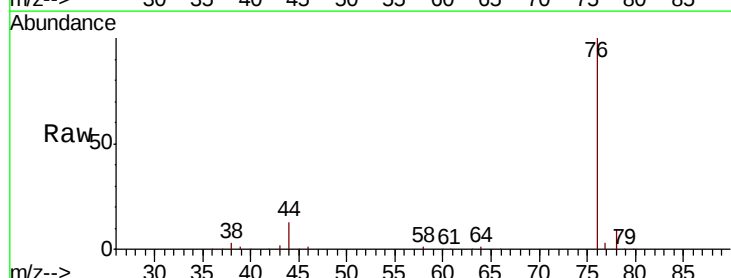
Acq: 04 Jun 2020 09:50

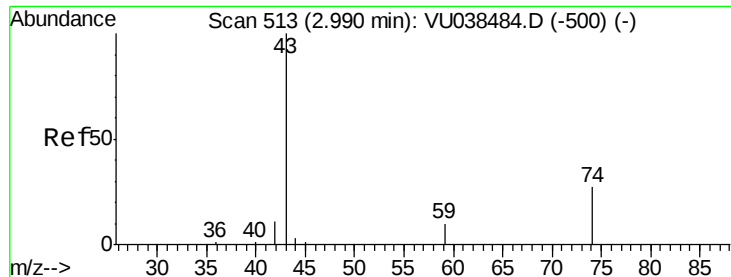
Tgt Ion: 76 Resp: 260343

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 4.634 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

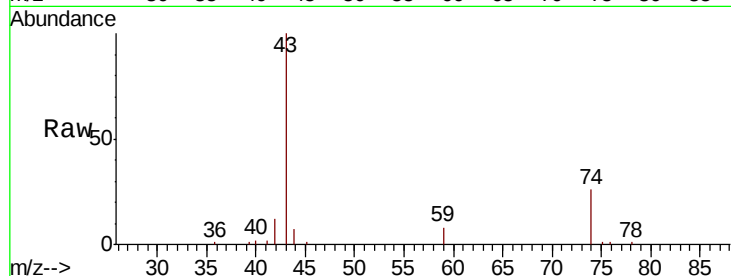
VSTD00509

Tot Ion: 43 Resp: 47162

Ion Ratio Lower Upper

43 100

74 26.5 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

20000

15000

10000

5000

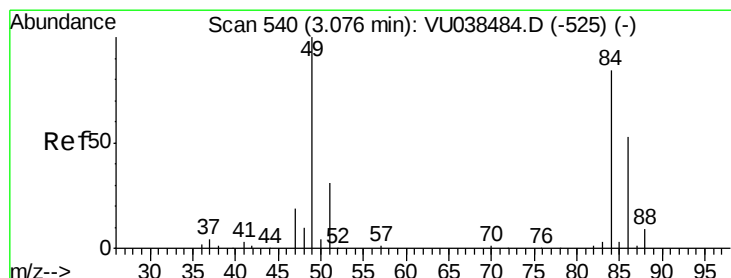
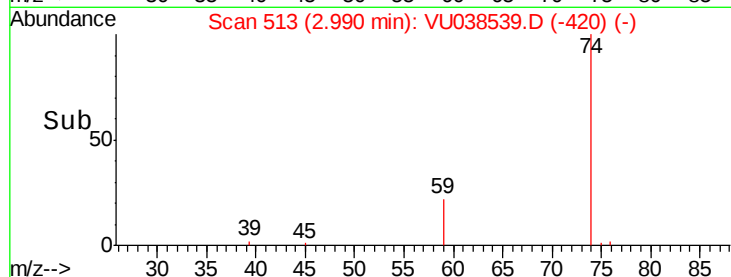
0

Time-->

2.90

3.00

3.10



#16

Methylene chloride

Concen: 4.527 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

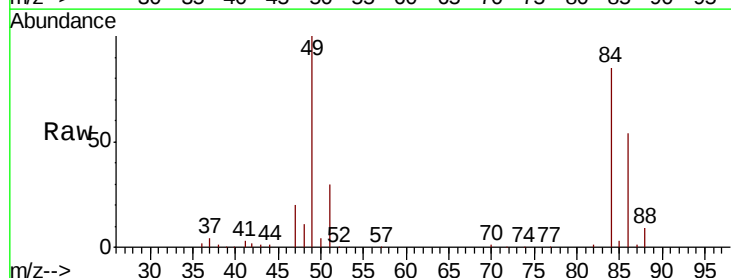
Tgt Ion: 84 Resp: 101878

Ion Ratio Lower Upper

84 100

86 63.5 45.0 83.6

49 117.4 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

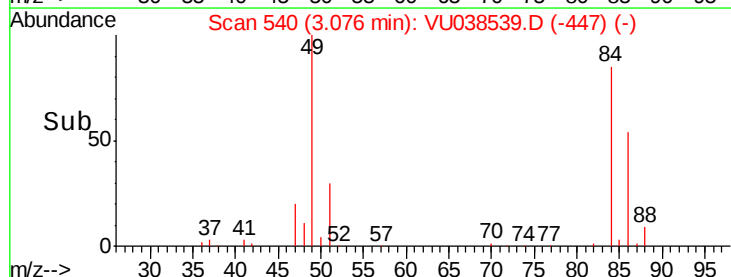
0

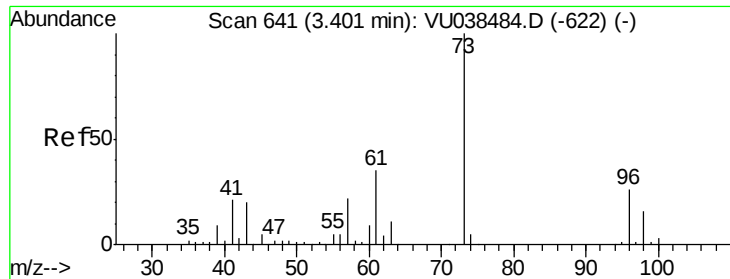
Time-->

3.00

3.10

3.20

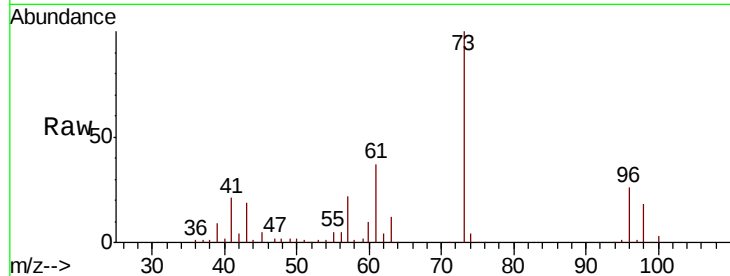




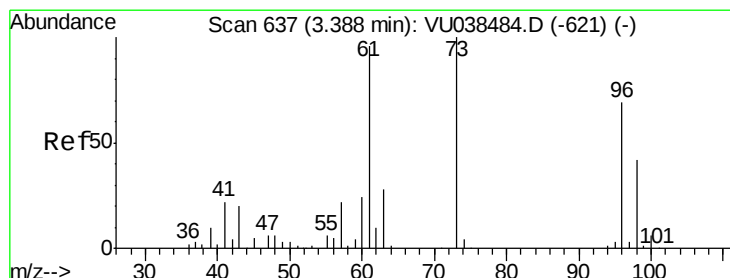
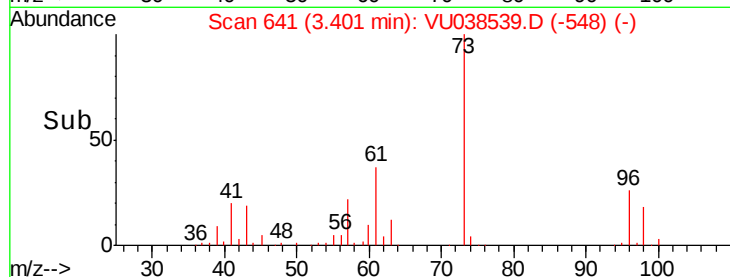
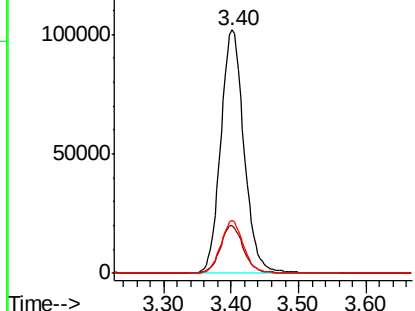
#17
Methvl tert-butvl Ether
Concen: 4.744 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion: 73 Resp: 247355
Ion Ratio Lower Upper
73 100
43 19.5 15.5 23.3
57 21.1 17.8 26.6

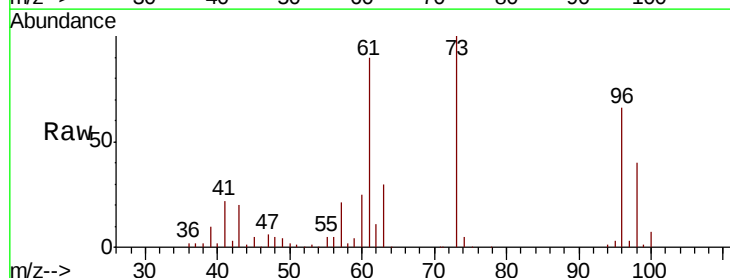


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

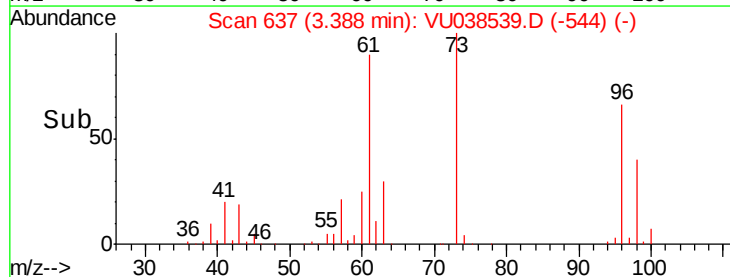
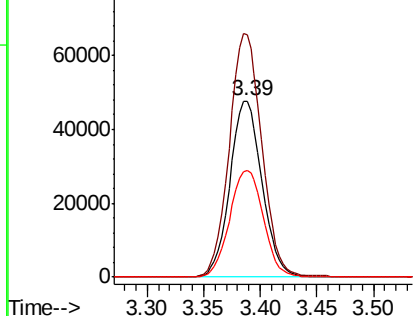


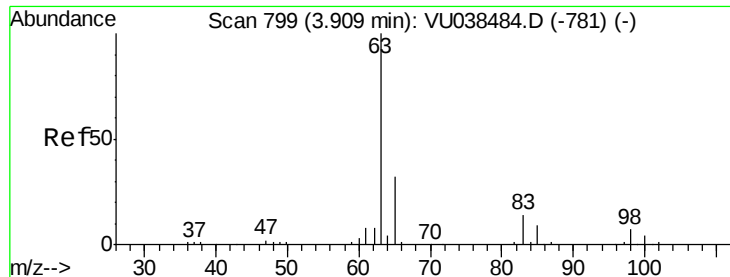
#18
trans-1,2-Dichloroethene
Concen: 4.405 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

Tgt Ion: 96 Resp: 94404
Ion Ratio Lower Upper
96 100
61 137.5 100.2 186.0
98 60.8 42.8 79.4



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

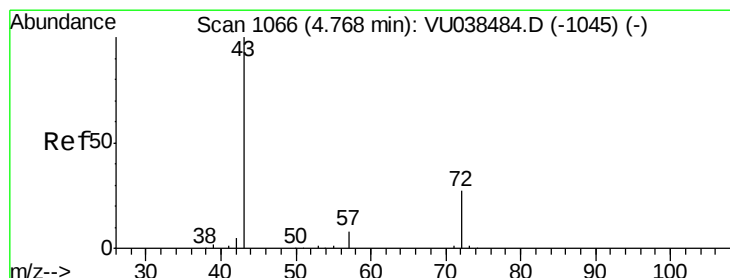
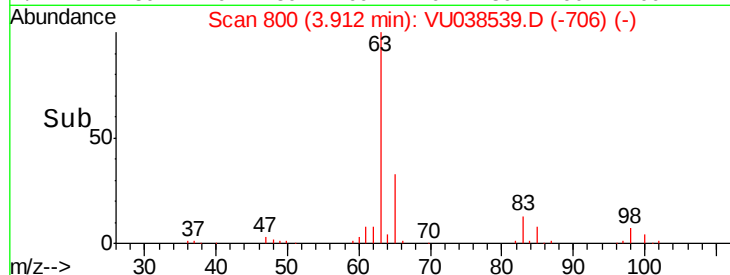
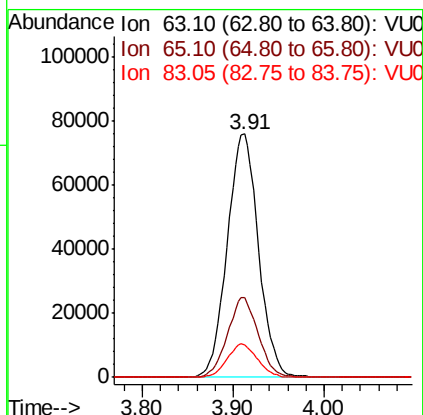
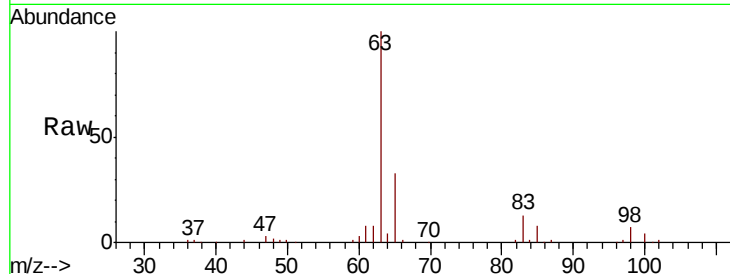




#19
 1,1-Dichloroethane
 Concen: 4.711 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

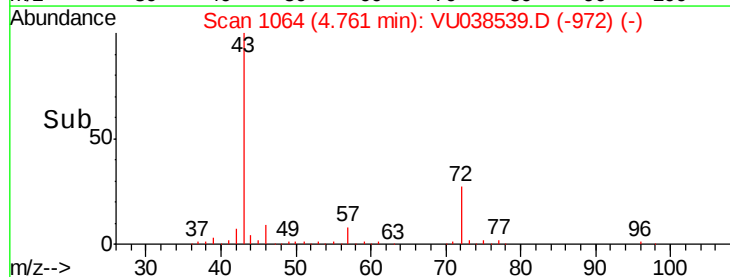
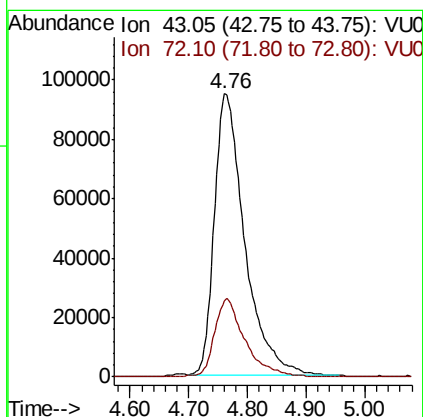
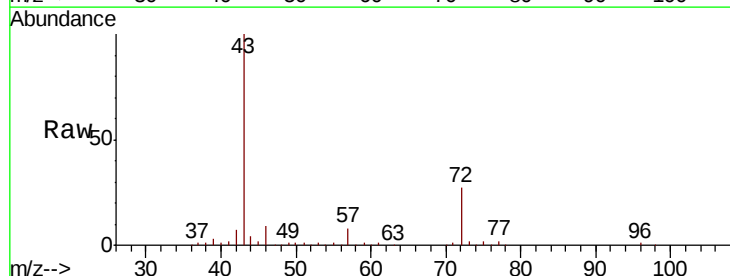
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

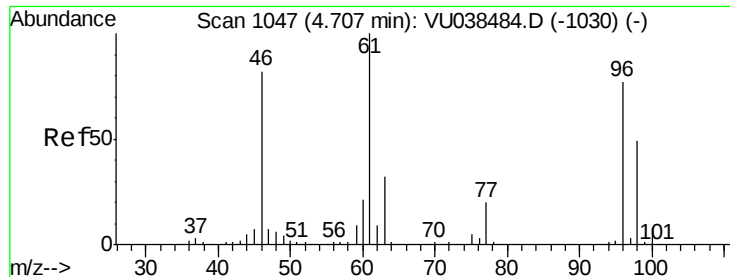
Tot Ion: 63 Resp: 180694
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.3 41.5
 83 13.3 10.4 19.4



#21
 2-Butanone
 Concen: 49.027 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion: 43 Resp: 342608
 Ion Ratio Lower Upper
 43 100
 72 27.8 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 4.586 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

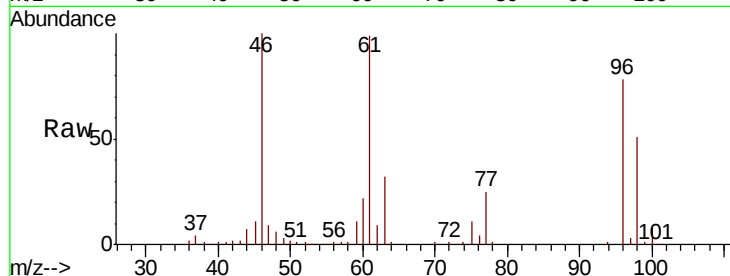
Tot Ion: 96 Resp: 105822

Ion Ratio Lower Upper

96 100

61 126.5 94.0 174.6

68 0.0 0.0 0.0

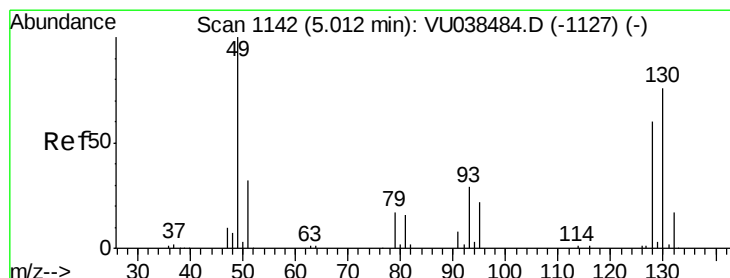
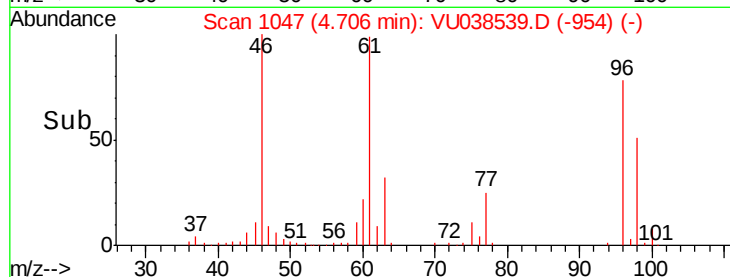
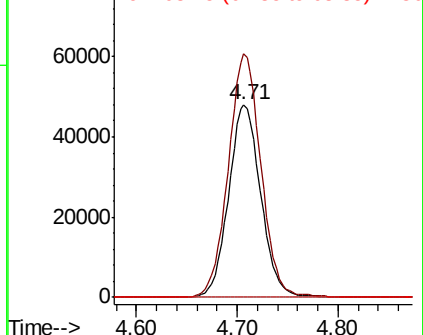


Abundance

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: 4.559 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Tgt Ion: 128 Resp: 47345

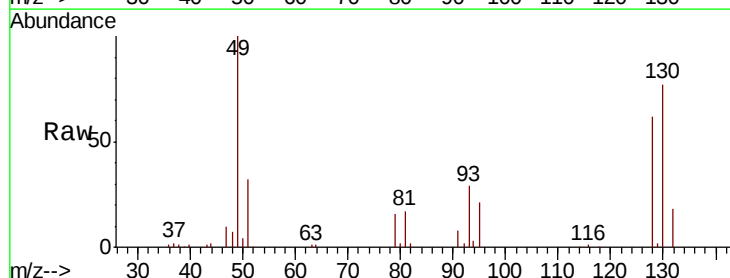
Ion Ratio Lower Upper

128 100

49 160.7 111.9 207.7

130 123.9 86.5 160.7

51 51.9 41.7 62.5



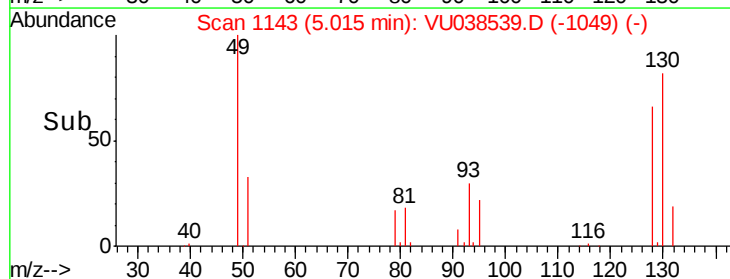
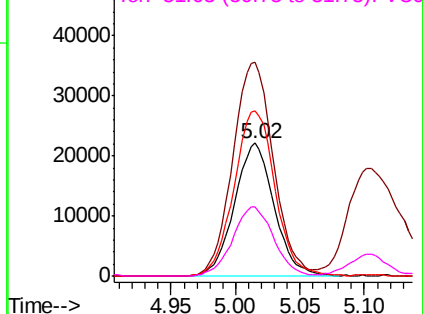
Abundance

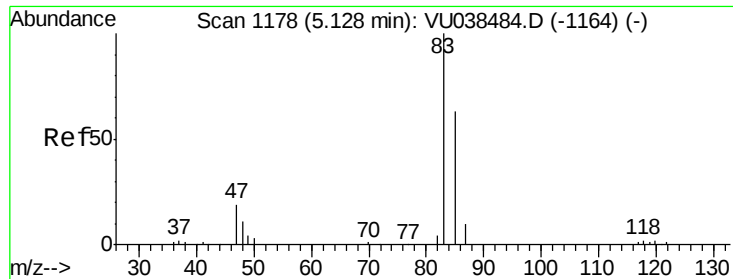
Ion 127.90 (127.60 to 128.60): V

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

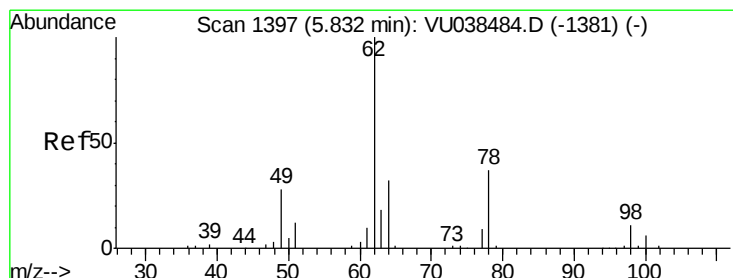
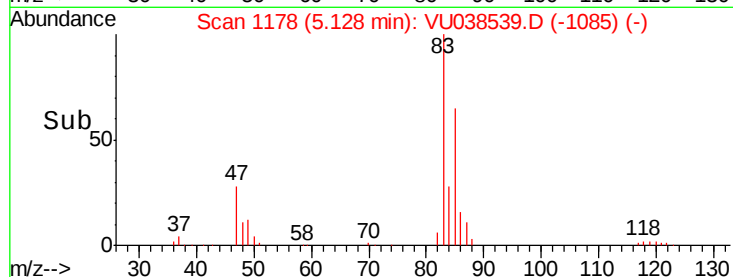
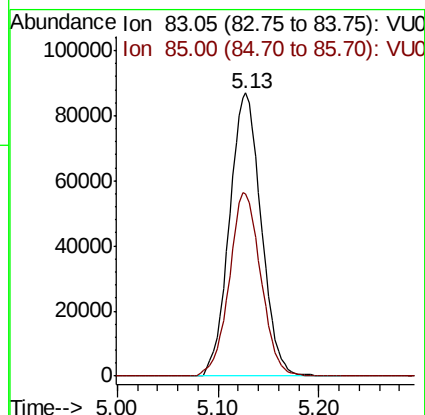
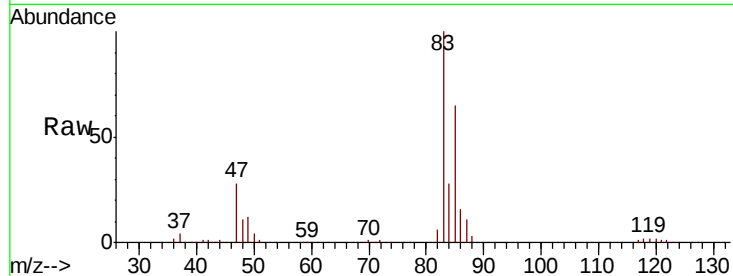




#25
Chloroform
Concen: 4.883 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

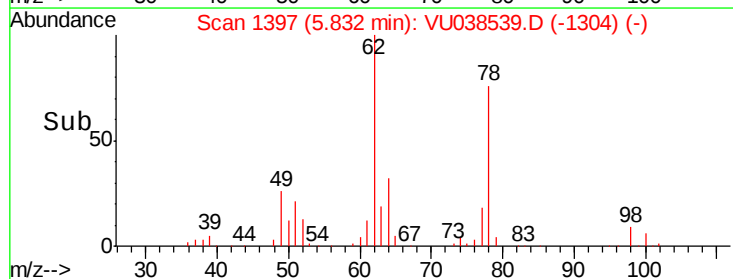
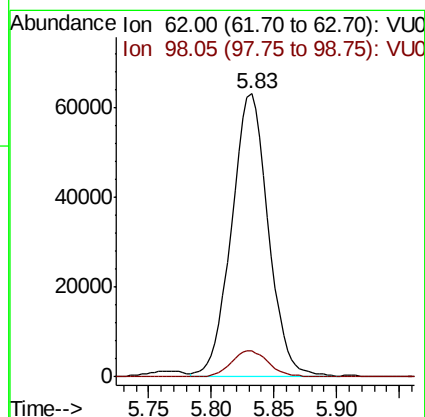
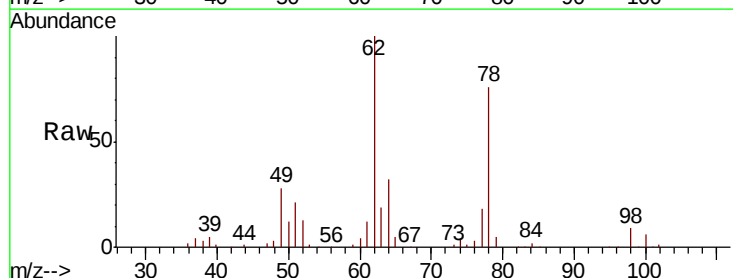
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

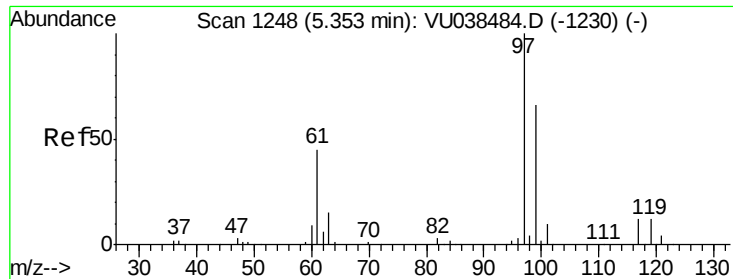
Tot Ion: 83 Resp: 190251
Ion Ratio Lower Upper
83 100
85 64.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.661 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

Tgt Ion: 62 Resp: 127853
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2

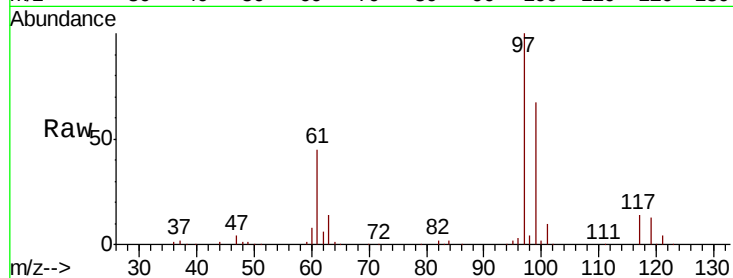




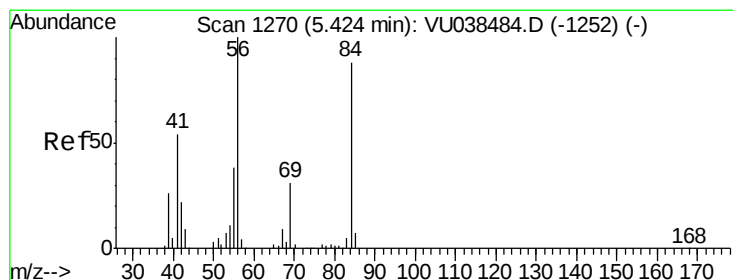
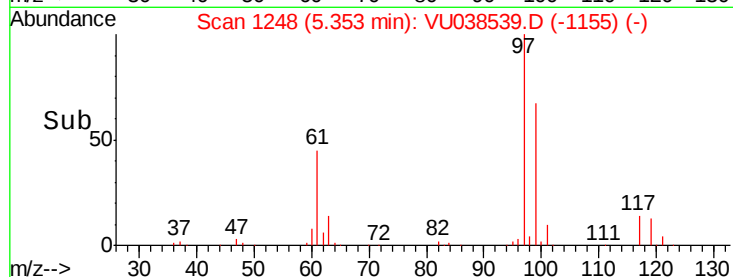
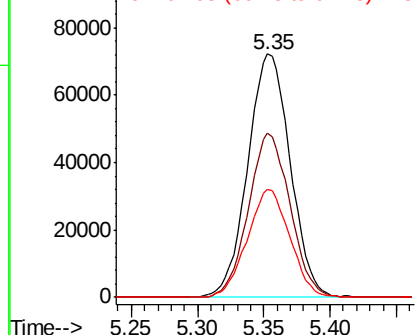
#29
 1,1,1-Trichloroethane
 Concen: 4.880 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 97 Resp: 160508
 Ion Ratio Lower Upper
 97 100
 99 66.3 52.2 78.2
 61 44.5 35.4 53.2

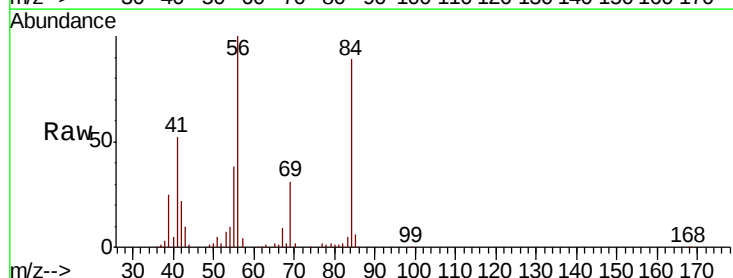


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

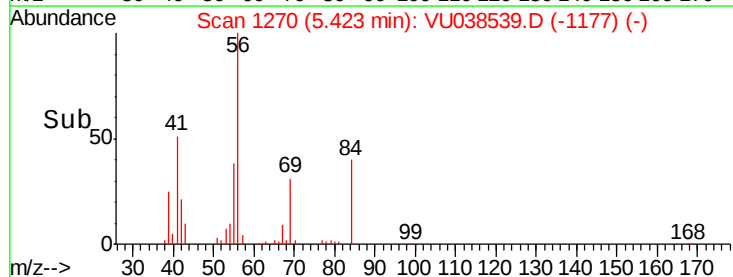
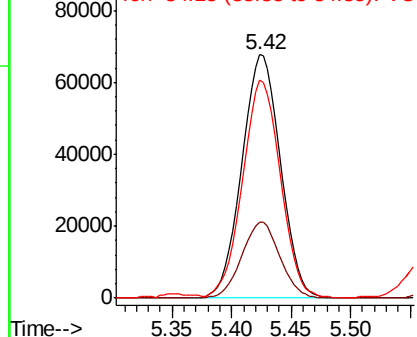


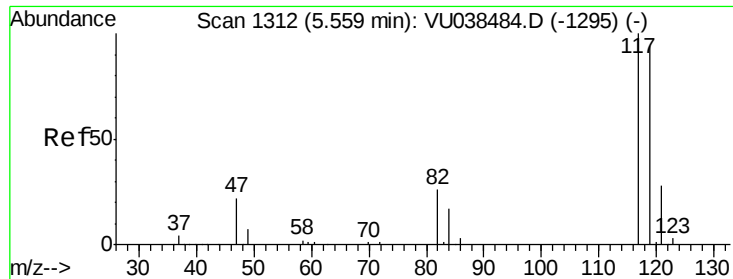
#30
 Cyclohexane
 Concen: 4.417 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion: 56 Resp: 152334
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.2 36.4
 84 87.3 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: 4.879 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

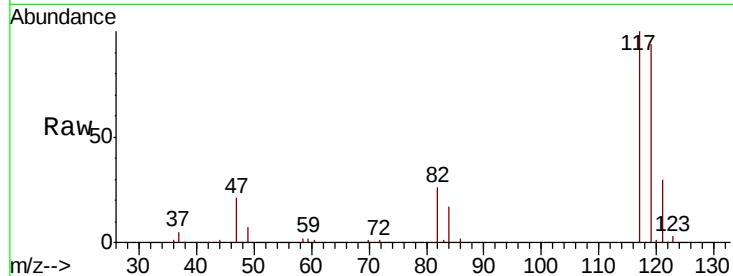
VSTD00509

Tot Ion:117 Resp: 133585

Ion Ratio Lower Upper

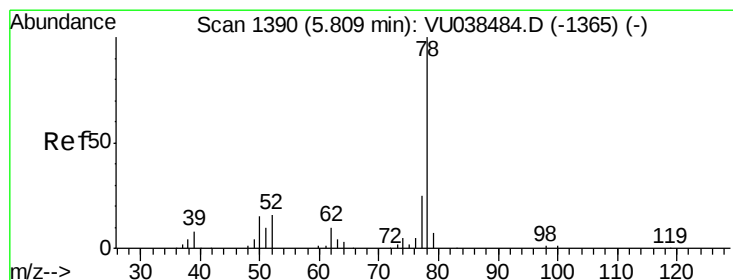
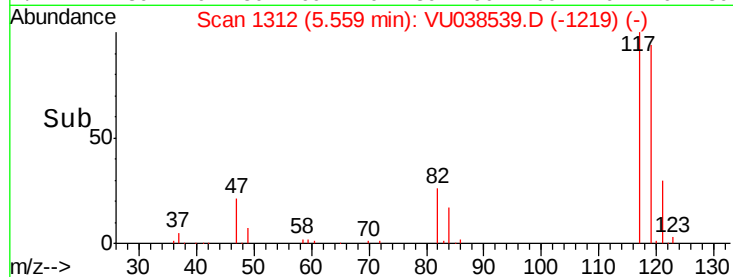
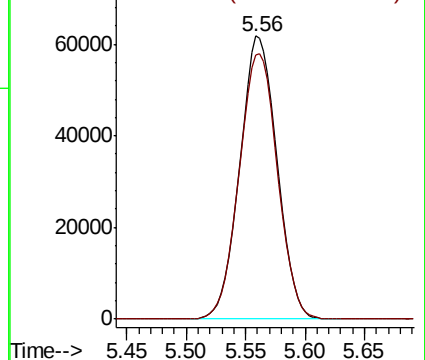
117 100

119 96.8 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: 4.628 ug/L

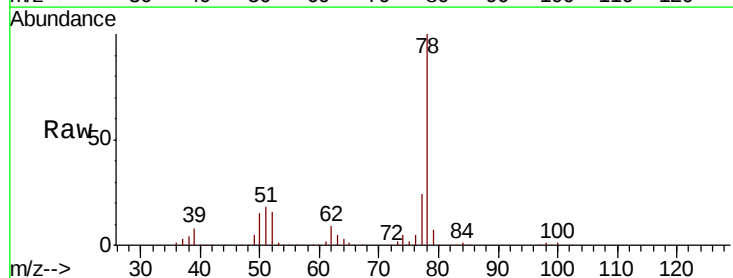
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

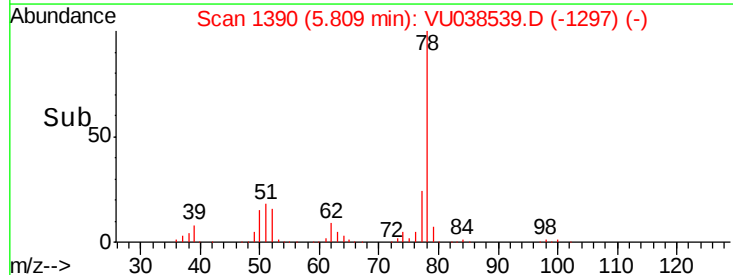
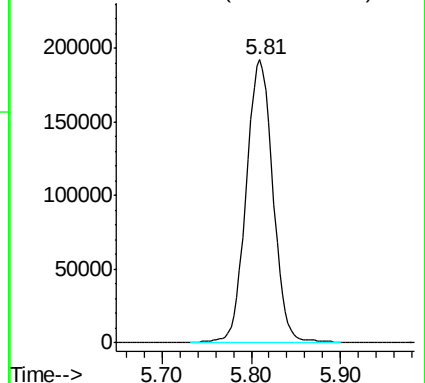
Lab File: VU038539.D

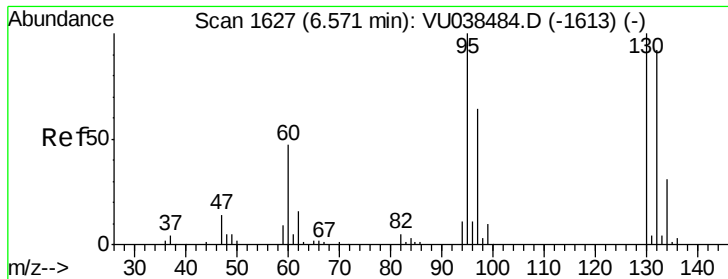
Acq: 04 Jun 2020 09:50

Tgt Ion: 78 Resp: 401073



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.598 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tot Ion: 95 Resp: 103426

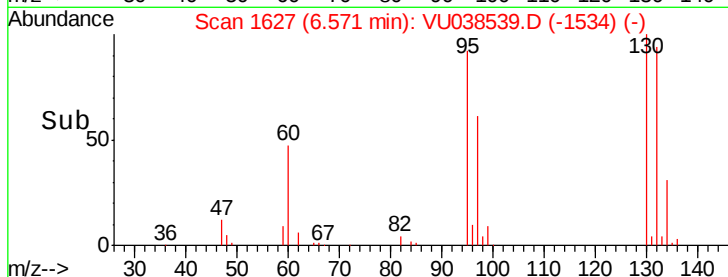
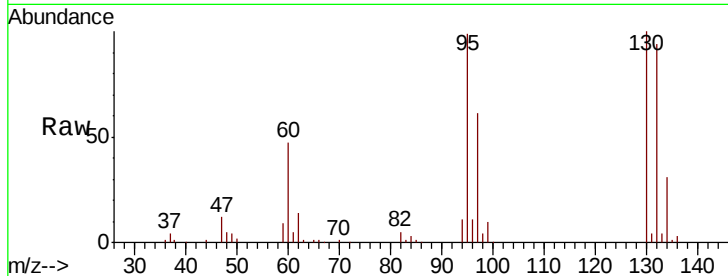
Ion Ratio Lower Upper

95 100

97 62.0 46.8 87.0

132 95.6 66.1 122.7

130 101.2 70.0 130.0

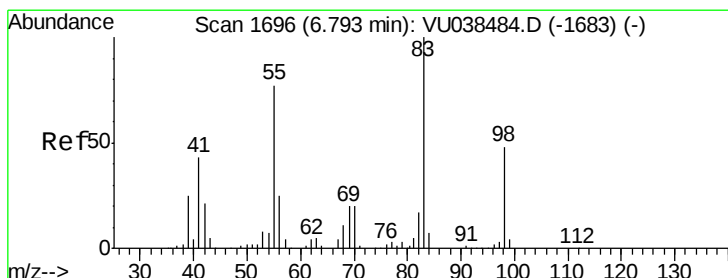
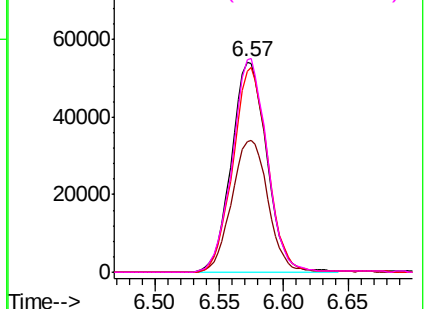


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.572 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

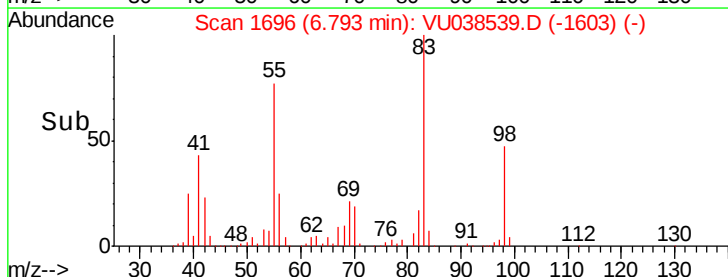
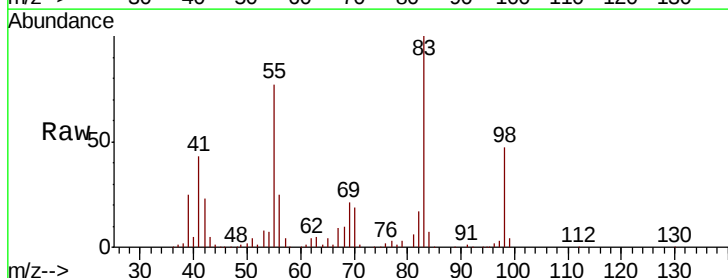
Tgt Ion: 83 Resp: 159230

Ion Ratio Lower Upper

83 100

55 75.0 63.4 95.2

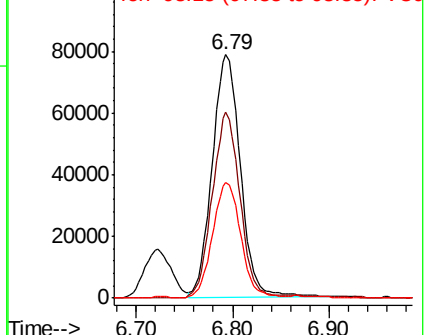
98 47.7 39.0 58.4

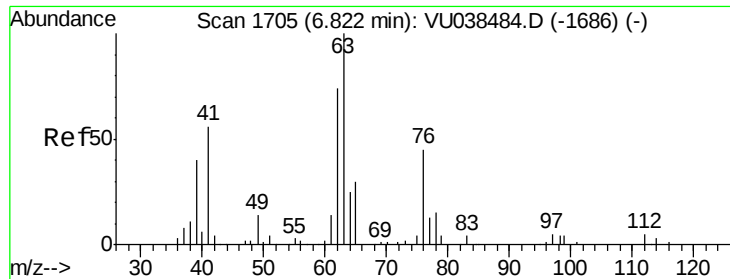


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

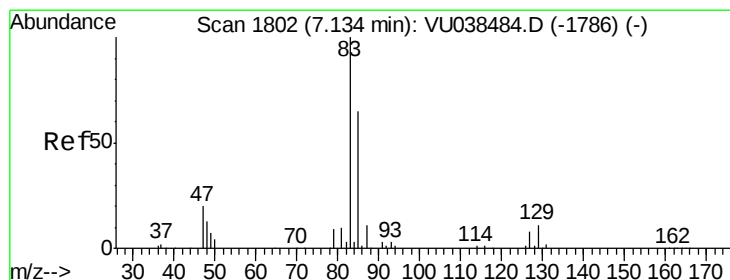
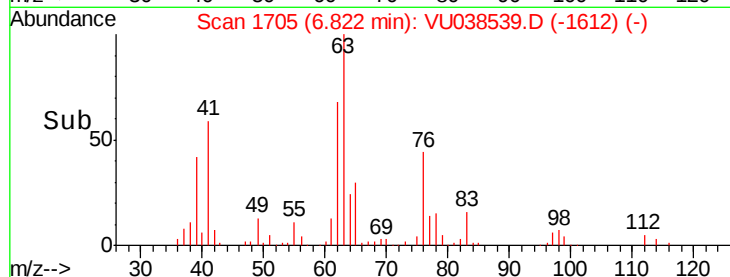
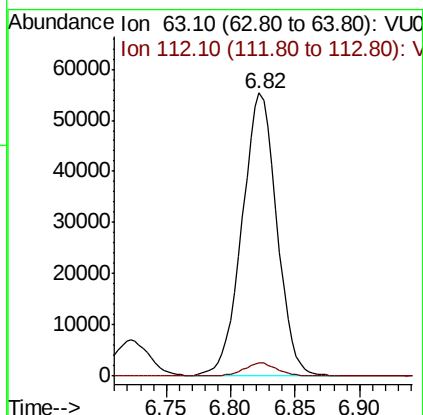
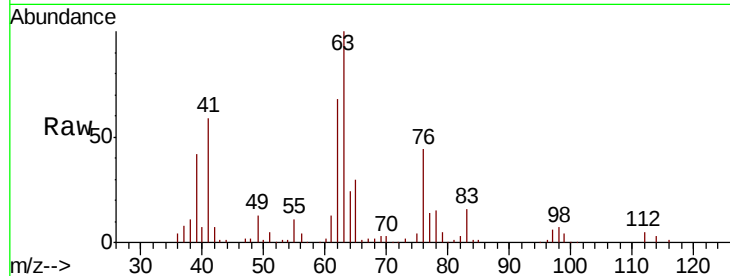




#37
 1,2-Dichloropropane
 Concen: 4.735 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

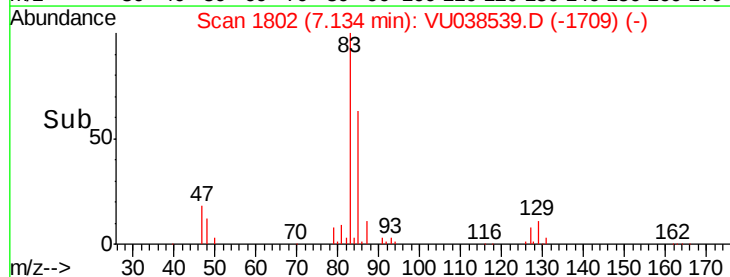
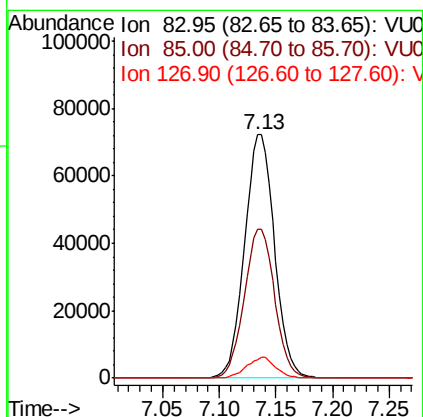
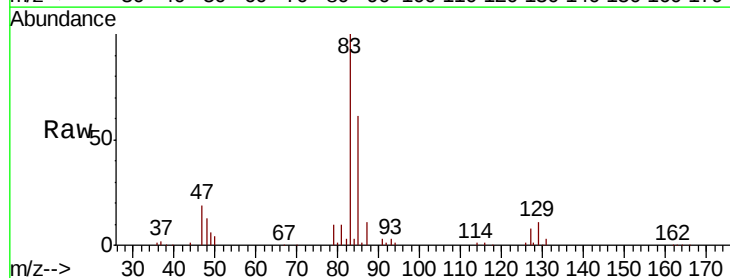
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

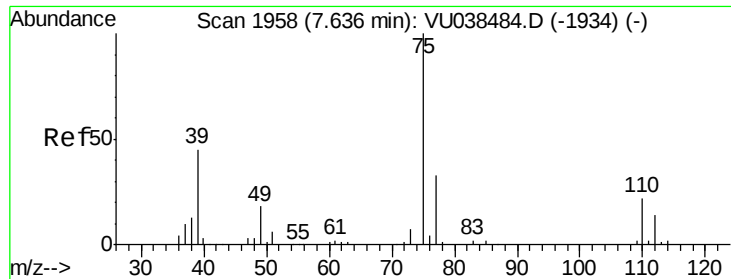
Tot Ion: 63 Resp: 103272
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.919 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion: 83 Resp: 133240
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.7 83.1
 127 7.7 6.8 10.2

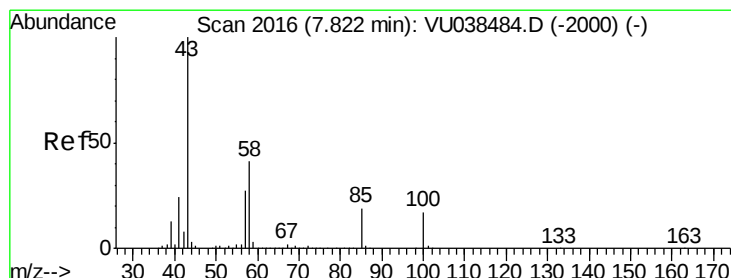
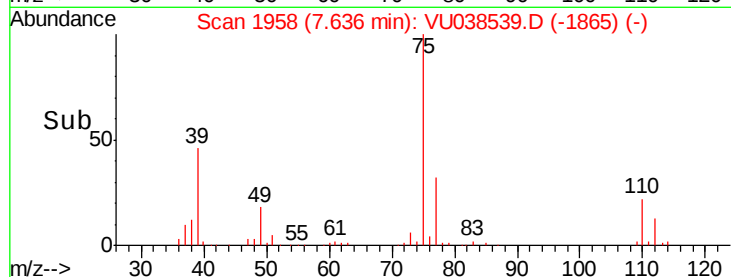
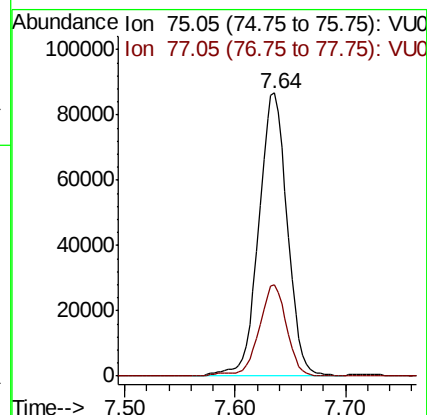
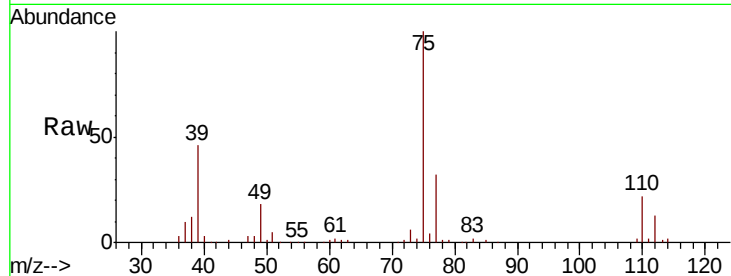




#39
 cis-1,3-Dichloropropene
 Concen: 4.857 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

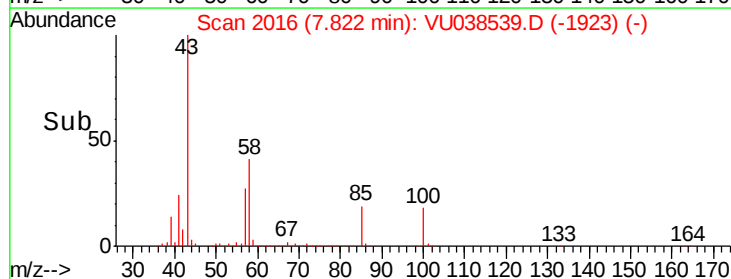
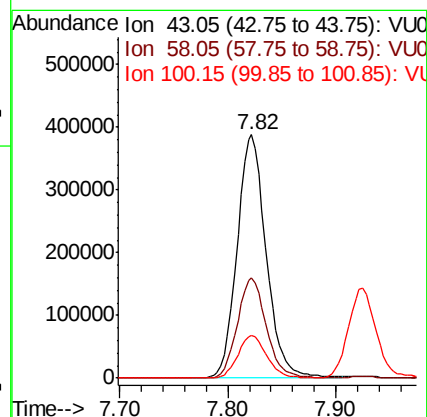
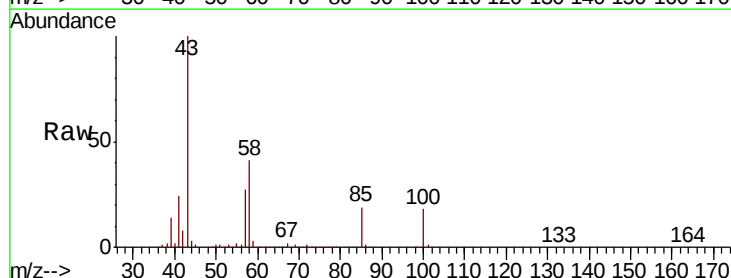
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

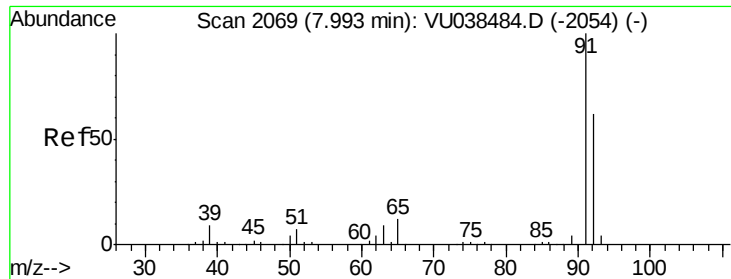
Tot Ion: 75 Resp: 156552
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 46.730 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion: 43 Resp: 728854
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.4 48.6
 100 17.4 13.3 19.9





#42

Toluene

Concen: 4.765 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

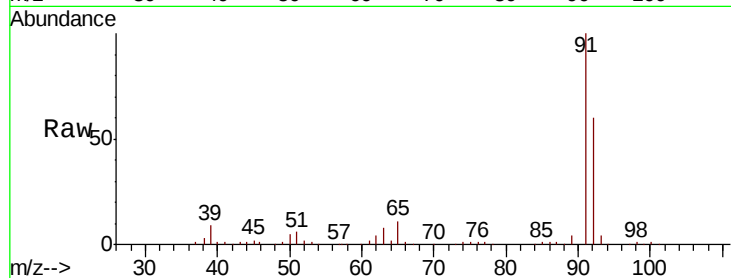
VSTD00509

Tot Ion: 91 Resp: 433157

Ion Ratio Lower Upper

91 100

92 59.5 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038484.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038484.D (-2054) (-)

8.00

250000

200000

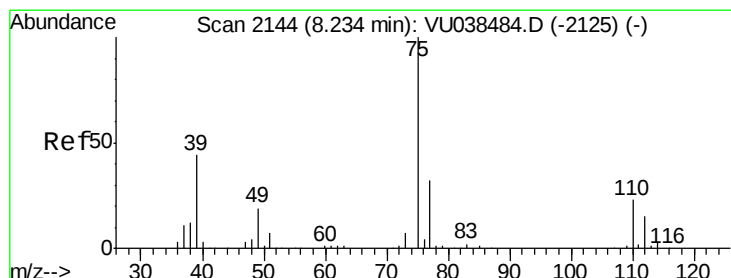
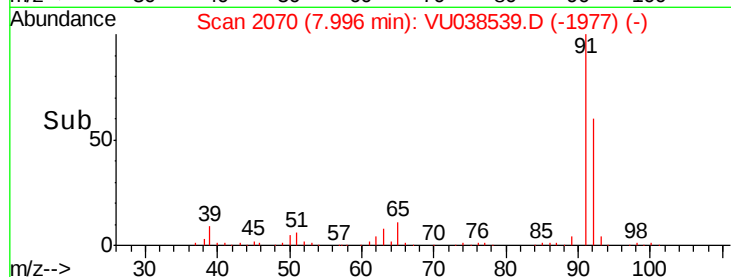
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.819 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038539.D

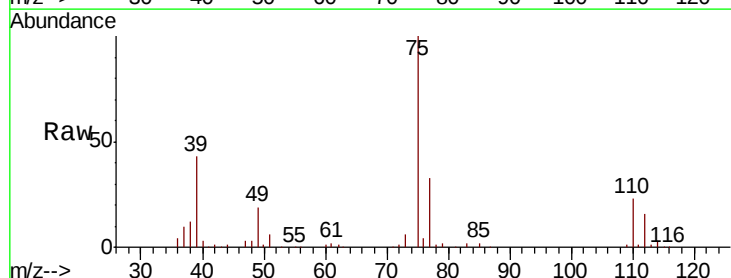
Acq: 04 Jun 2020 09:50

Tgt Ion: 75 Resp: 137171

Ion Ratio Lower Upper

75 100

77 33.2 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038484.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038484.D (-2125) (-)

8.23

80000

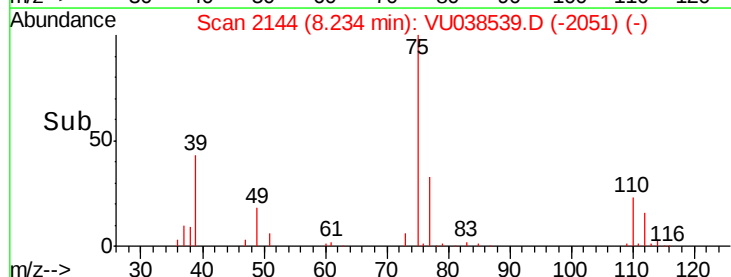
60000

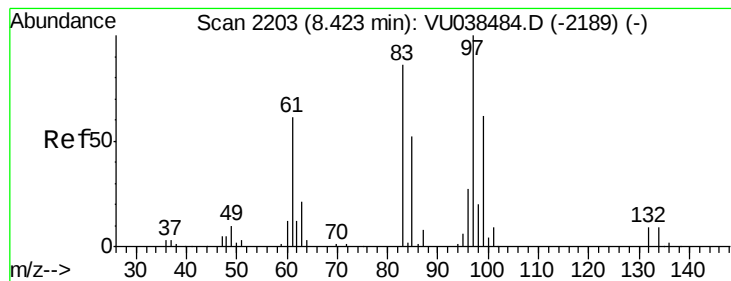
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.908 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tot Ion: 97 Resp: 80763

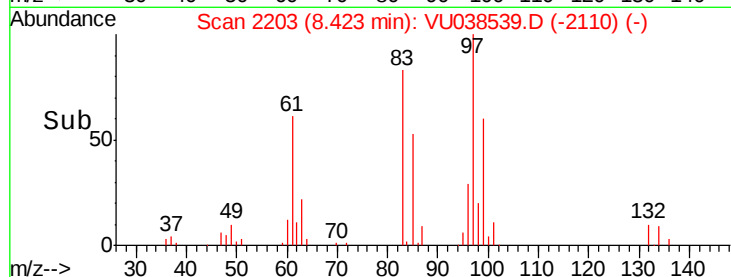
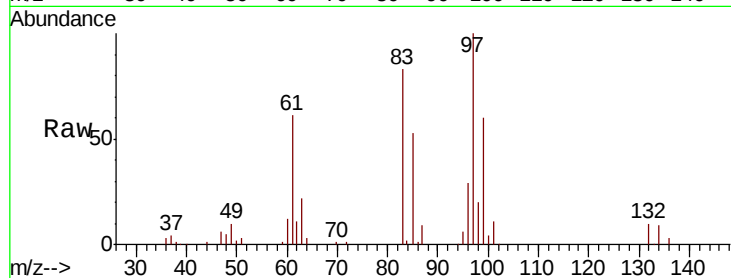
Ion Ratio Lower Upper

97 100

99 60.3 42.1 78.1

83 83.1 58.8 109.2

85 53.1 37.4 69.4

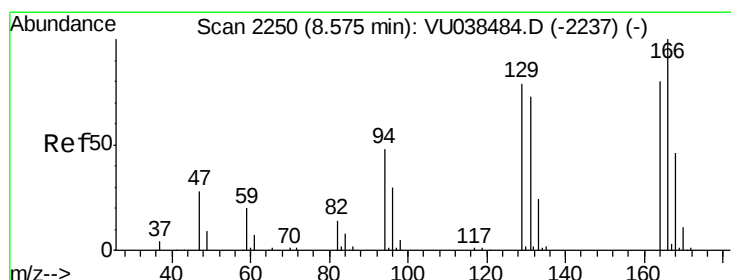
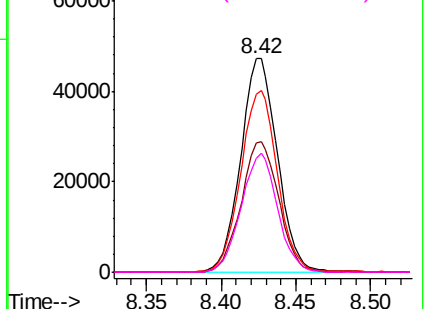


Abundance Ion 96.95 (96.65 to 97.65): VU038539.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038539.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU038539.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038539.D (-2110) (-)



#47

Tetrachloroethene

Concen: 4.680 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Tgt Ion: 164 Resp: 76492

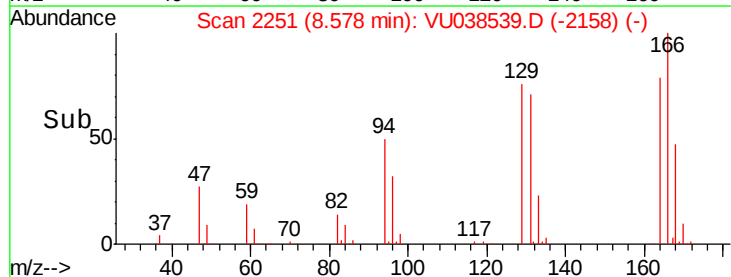
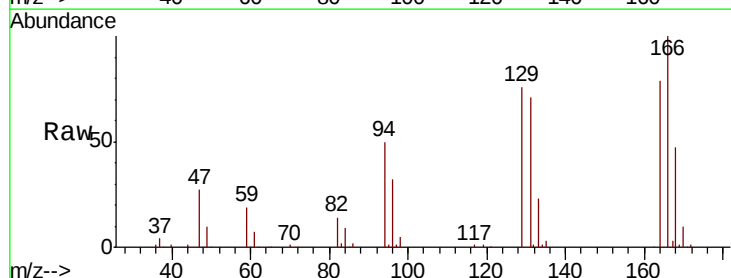
Ion Ratio Lower Upper

164 100

129 96.1 67.4 125.2

131 89.9 64.1 119.1

166 125.8 85.7 159.1

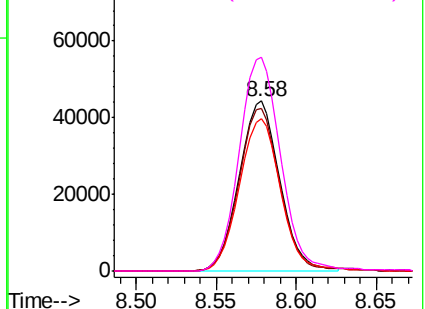


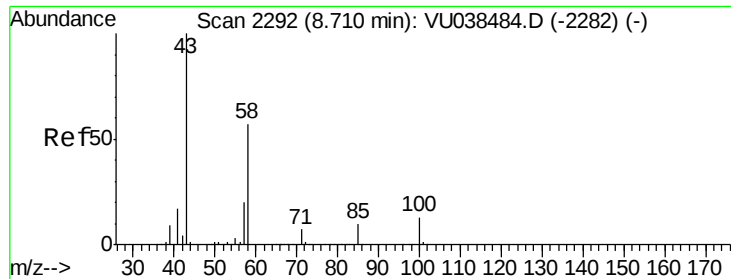
Abundance Ion 163.90 (163.60 to 164.60): VU038539.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU038539.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU038539.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU038539.D (-2158) (-)

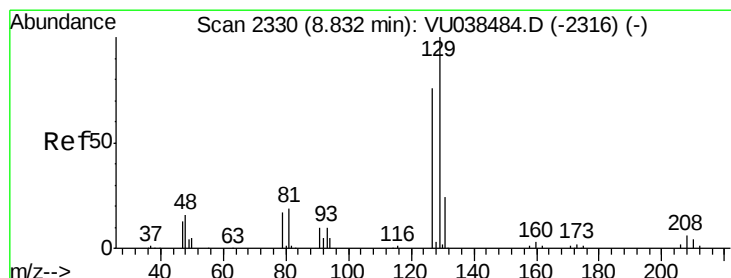
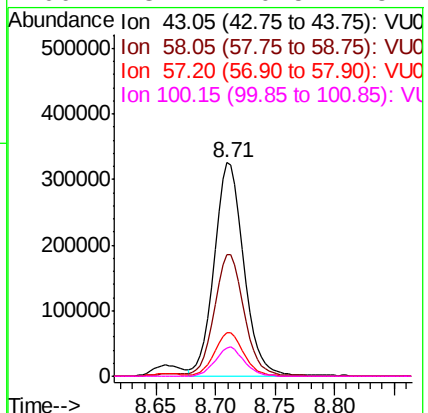
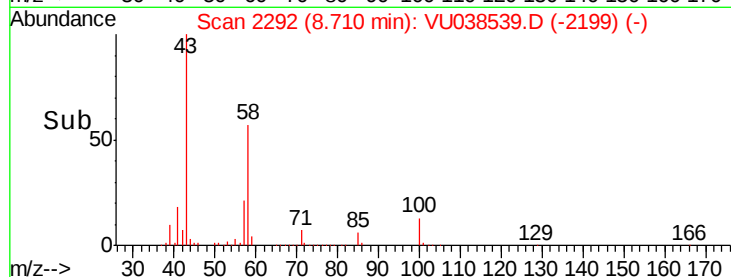
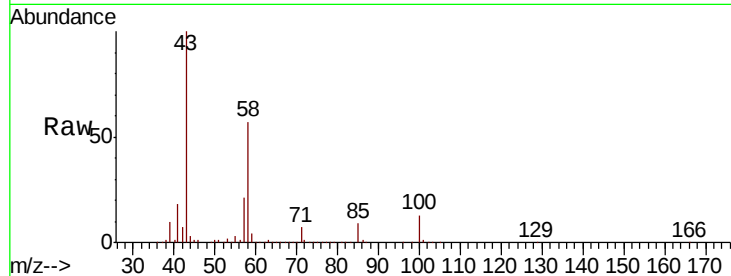




#48
2-Hexanone
Concen: 47.328 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

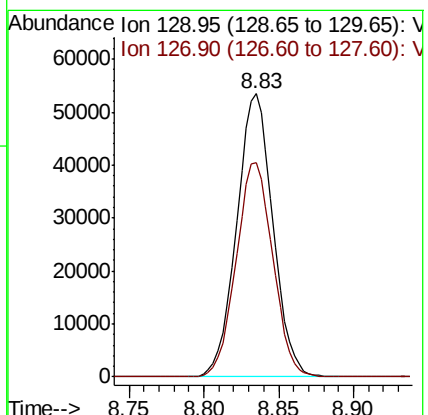
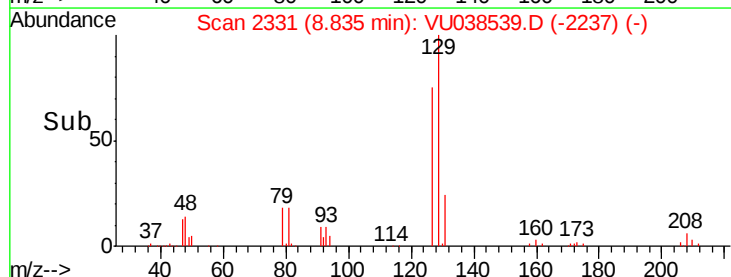
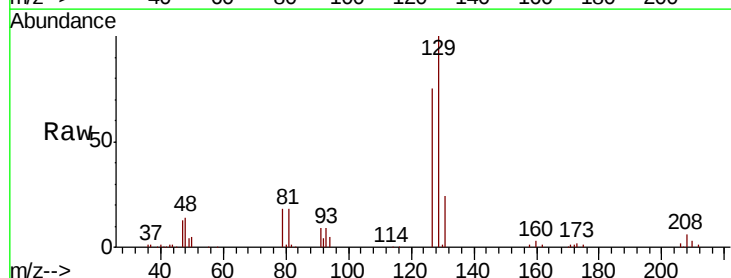
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

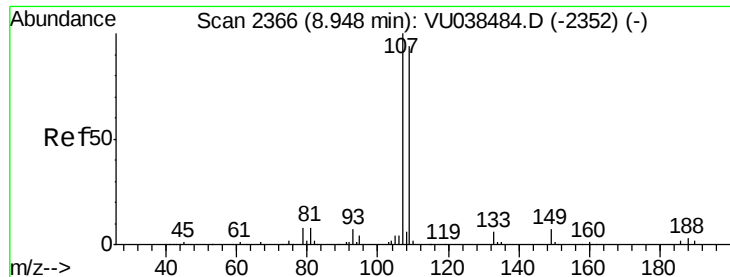
Tot Ion: 43 Resp: 559040
Ion Ratio Lower Upper
43 100
58 57.7 45.4 68.0
57 20.8 15.9 23.9
100 13.4 10.5 15.7



#49
Dibromochloromethane
Concen: 5.069 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

Tgt Ion: 129 Resp: 90033
Ion Ratio Lower Upper
129 100
127 75.5 53.3 99.1

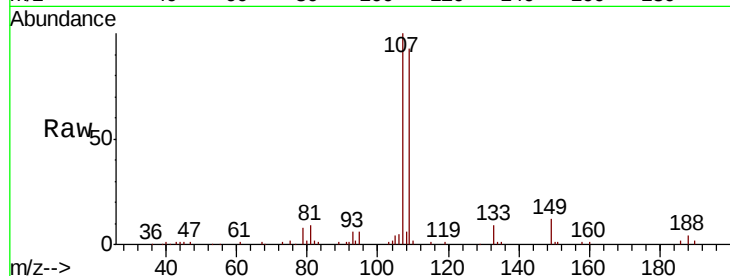




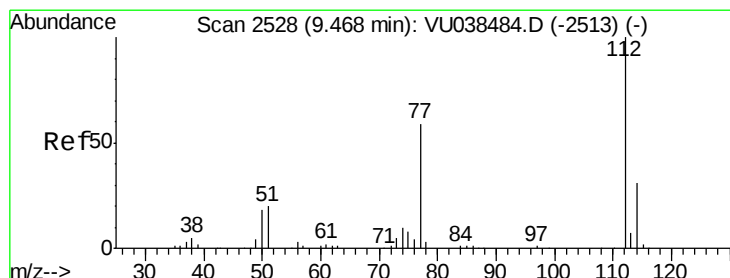
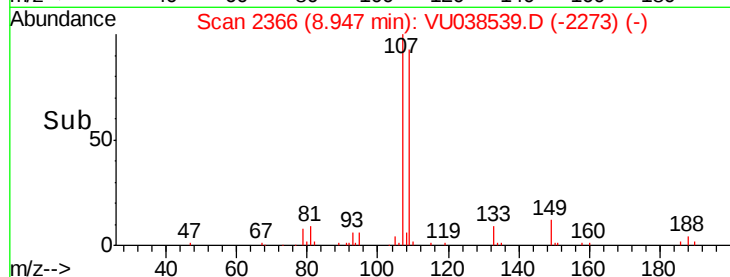
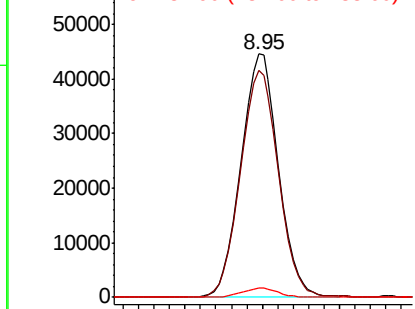
#50
 1,2-Dibromoethane
 Concen: 4.761 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:107 Resp: 75016
 Ion Ratio Lower Upper
 107 100
 109 93.2 67.0 124.4
 188 4.0 3.0 4.4

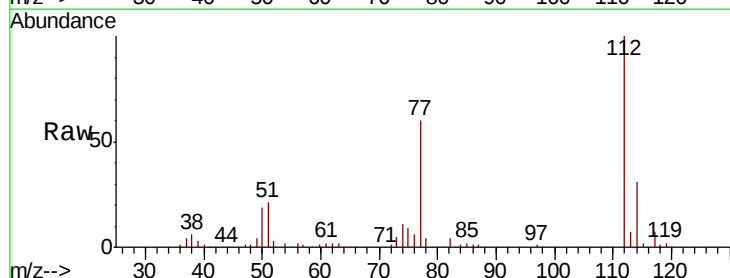


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

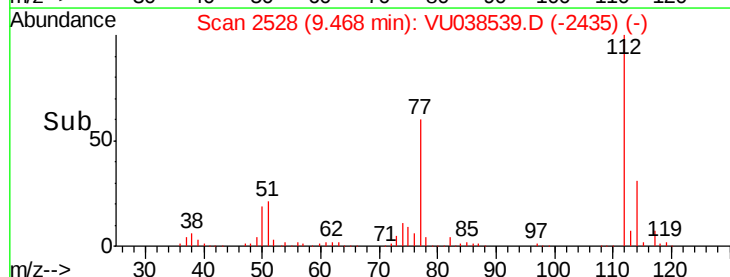
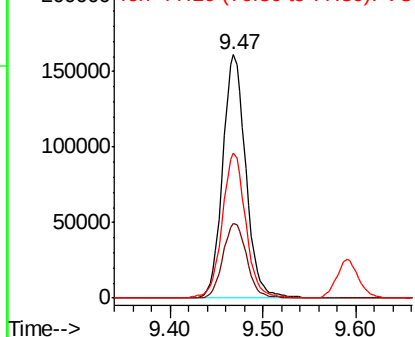


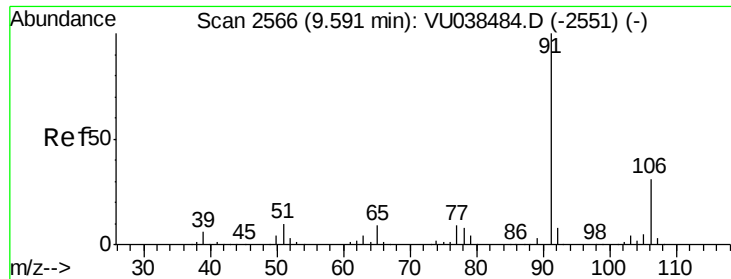
#51
 Chlorobenzene
 Concen: 4.746 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion:112 Resp: 278257
 Ion Ratio Lower Upper
 112 100
 114 30.8 22.4 41.6
 77 59.6 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: 4.735 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

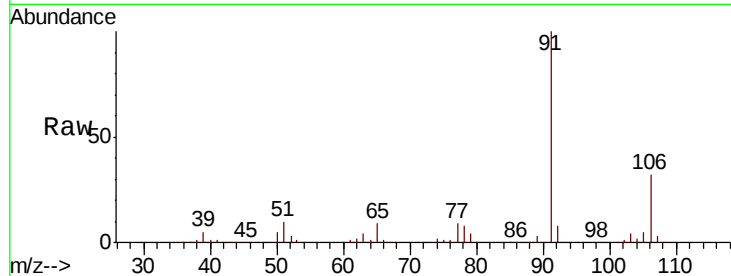
VSTD00509

Tot Ion: 91 Resp: 478940

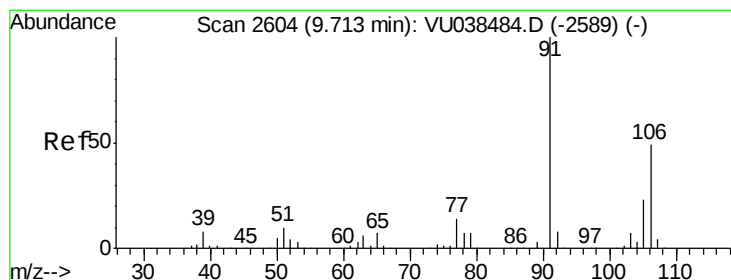
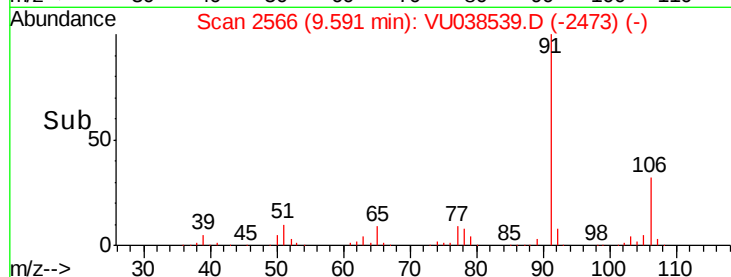
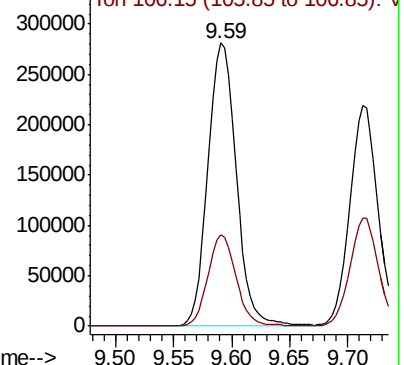
Ion Ratio Lower Upper

91 100

106 32.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038484.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.823 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038539.D

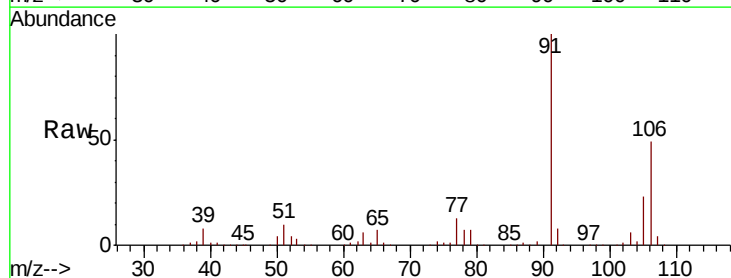
Acq: 04 Jun 2020 09:50

Tgt Ion: 106 Resp: 187609

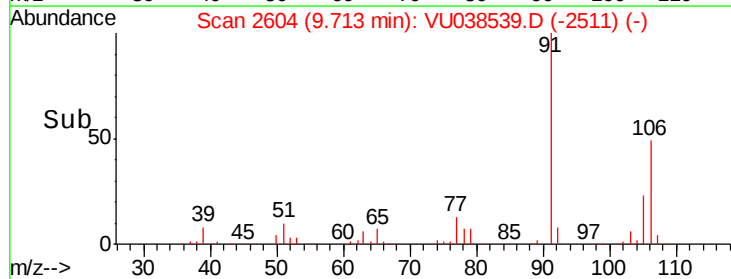
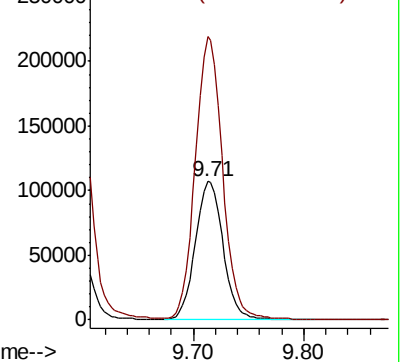
Ion Ratio Lower Upper

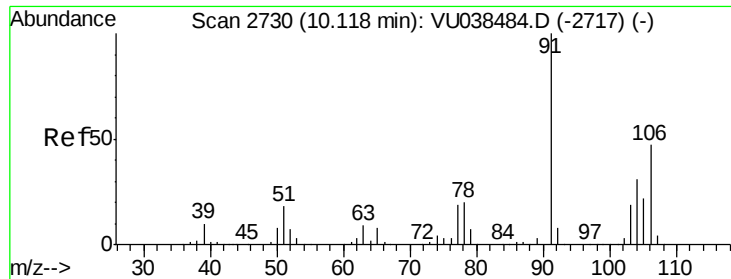
106 100

91 204.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038484.D (-2589) (-)

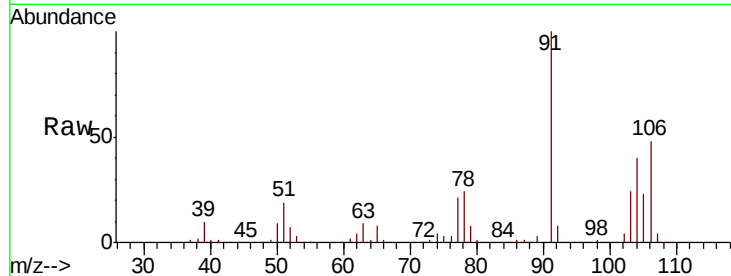




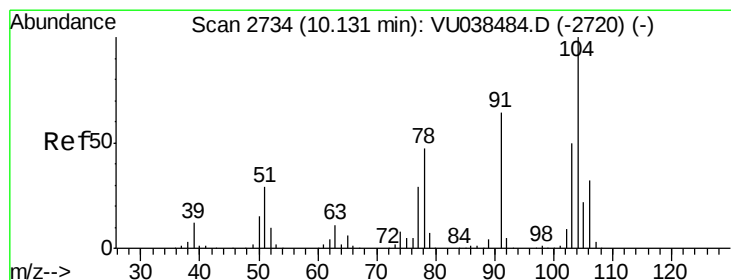
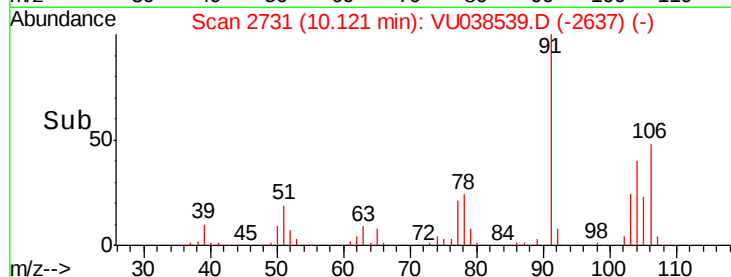
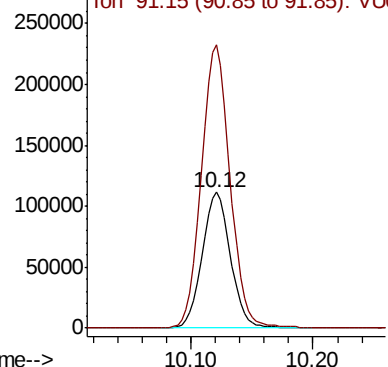
#54
o-Xylene
Concen: 4.826 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion:106 Resp: 180184
Ion Ratio Lower Upper
106 100
91 208.6 150.6 279.8

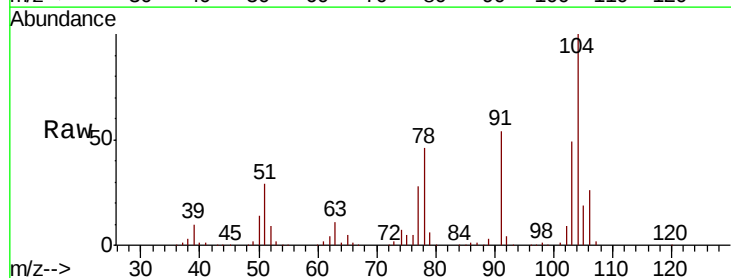


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

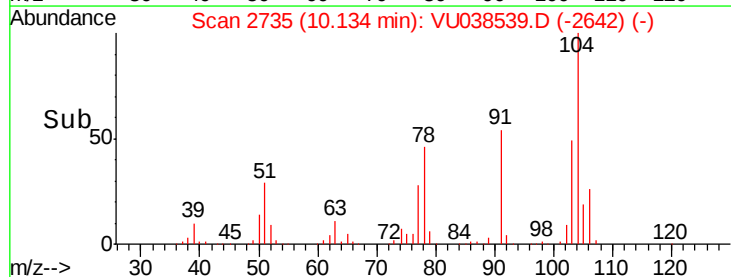
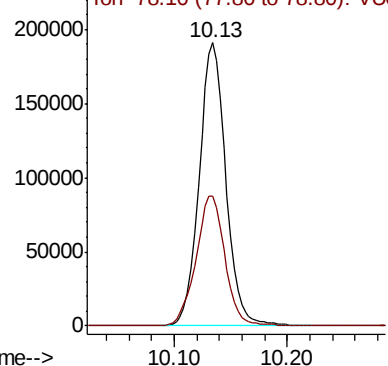


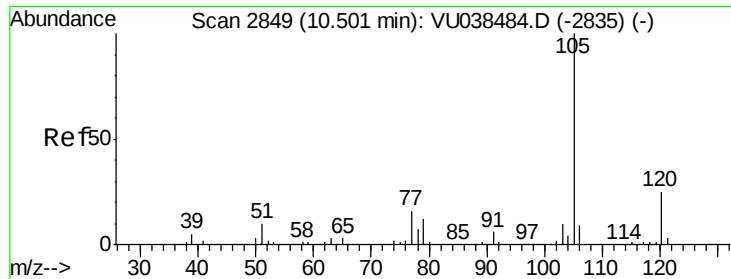
#55
Styrene
Concen: 4.931 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU038539.D
Acq: 04 Jun 2020 09:50

Tgt Ion:104 Resp: 312534
Ion Ratio Lower Upper
104 100
78 45.9 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: 4.890 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

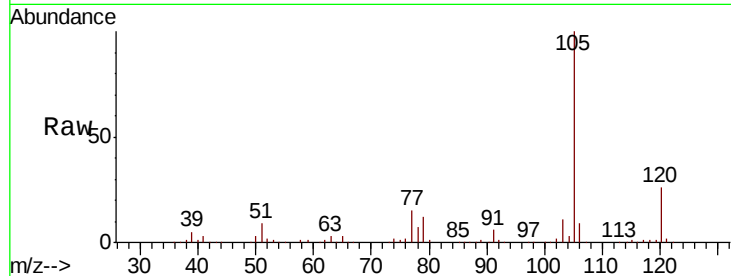
Tot Ion:105 Resp: 480556

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

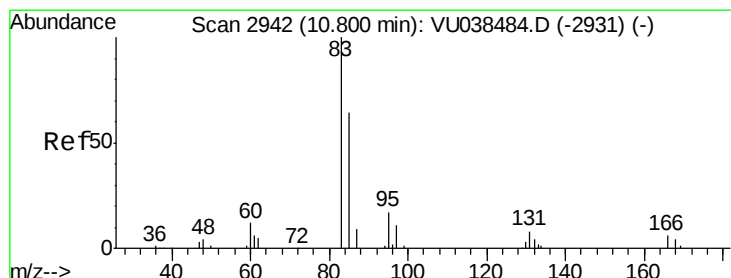
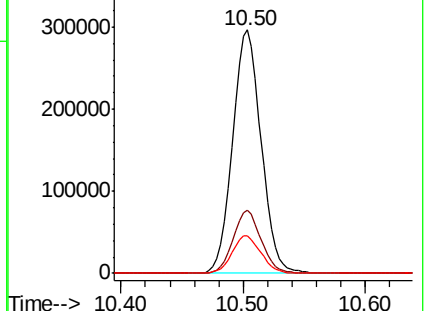
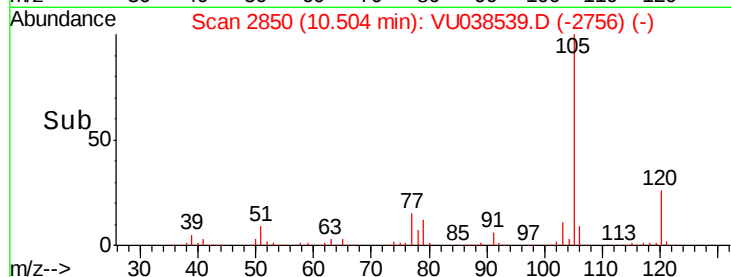
77 15.6 12.5 18.7



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: 4.760 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

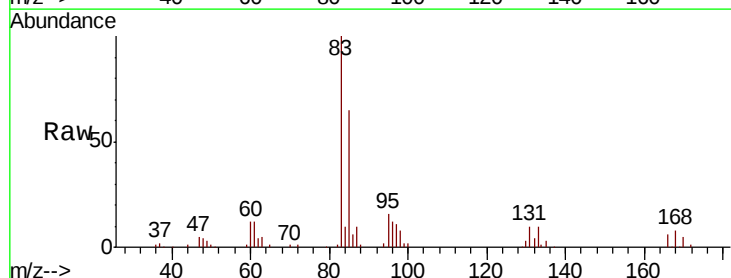
Tgt Ion: 83 Resp: 99540

Ion Ratio Lower Upper

83 100

85 64.7 44.2 82.0

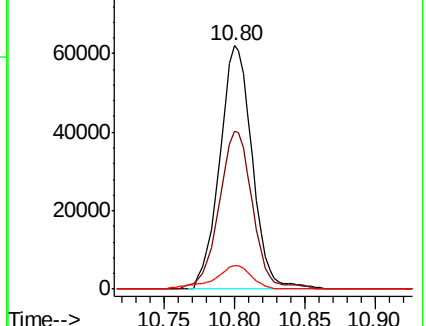
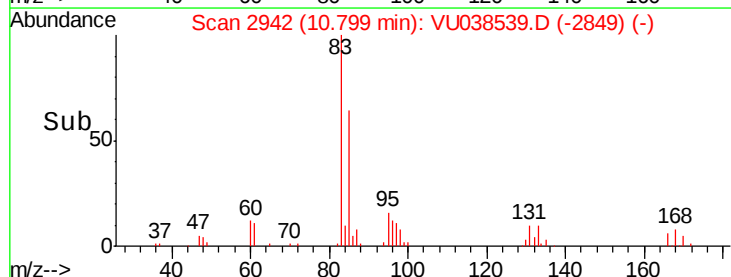
131 9.9 8.1 12.1

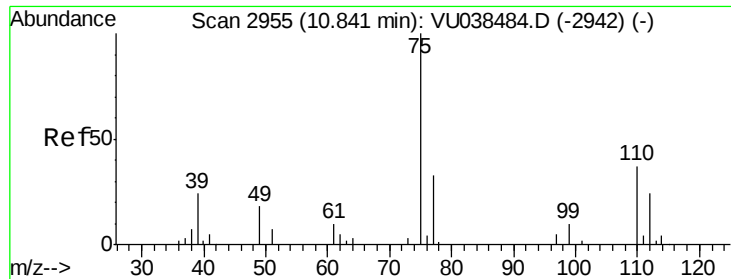


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

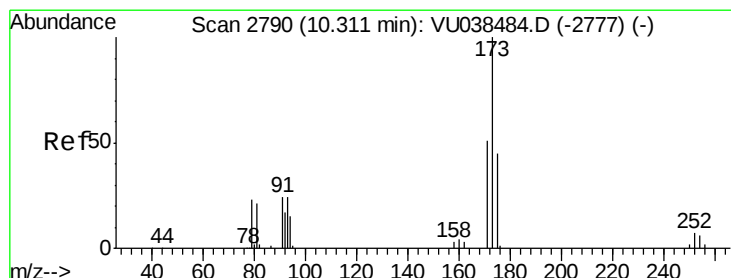
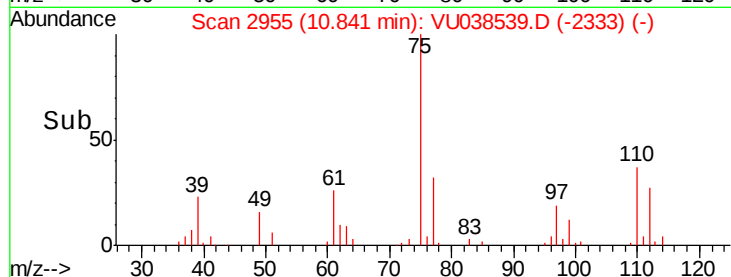
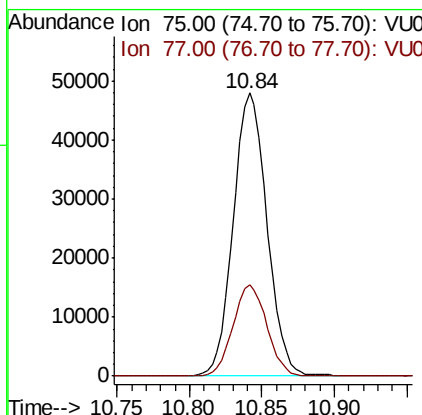
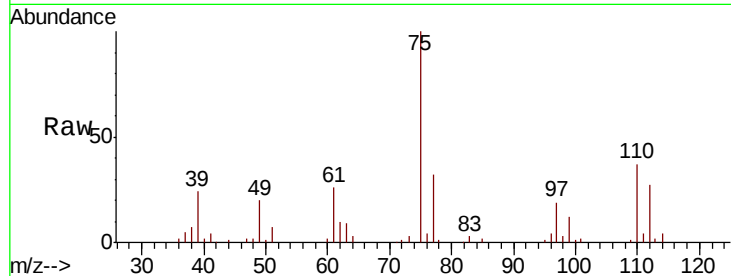




#59
 1,2,3-Trichloropropane
 Concen: 4.763 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

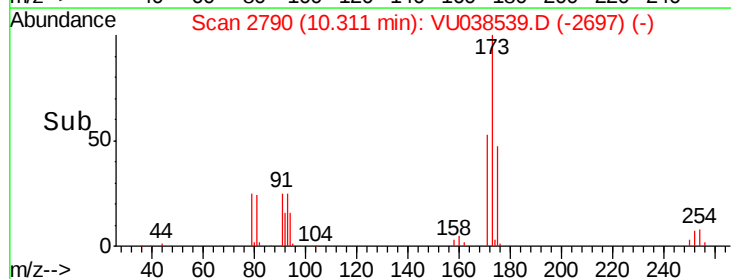
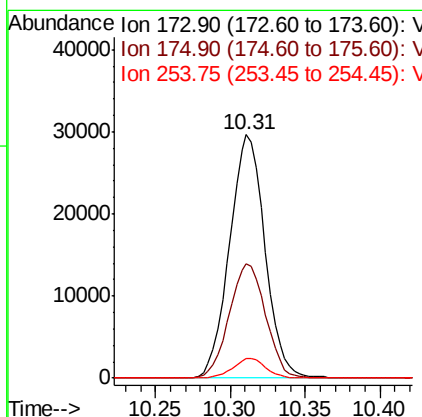
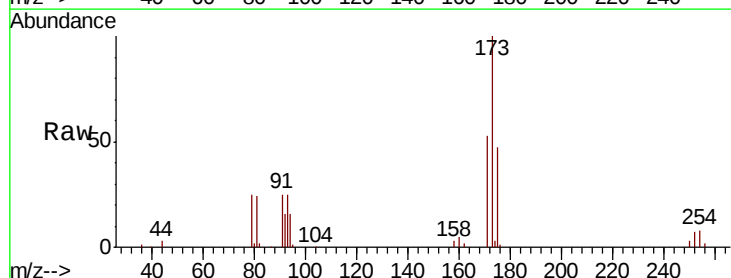
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

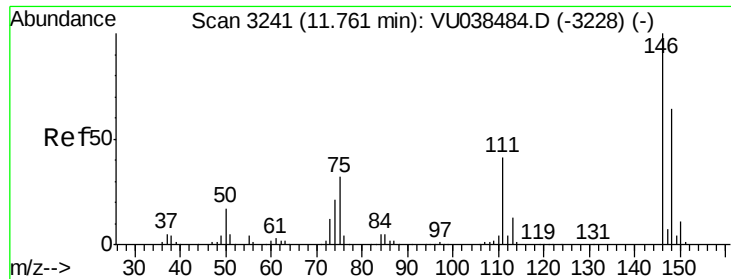
Tot Ion: 75 Resp: 77539
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#61
 Bromoform
 Concen: 4.835 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion: 173 Resp: 48844
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.7 58.1
 254 7.5 5.4 8.2

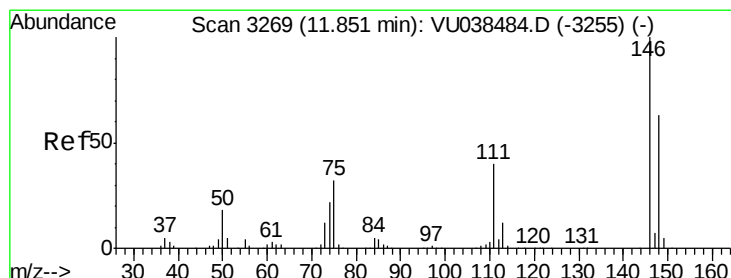
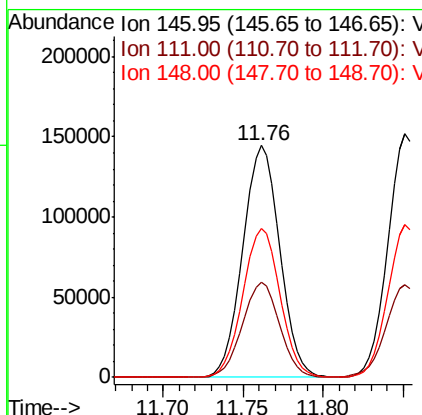
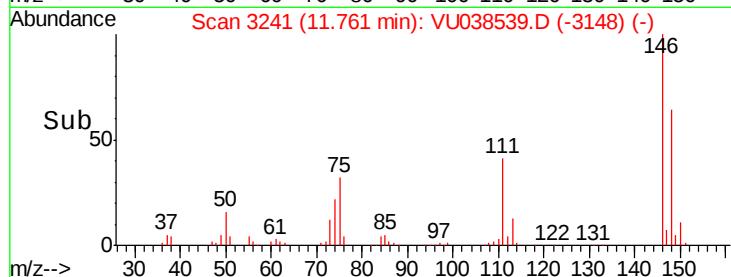
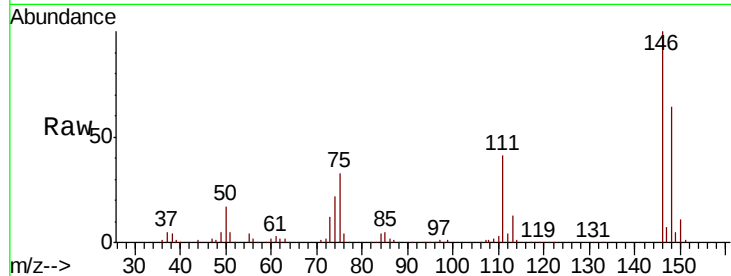




#62
 1,3-Dichlorobenzene
 Concen: 4.781 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

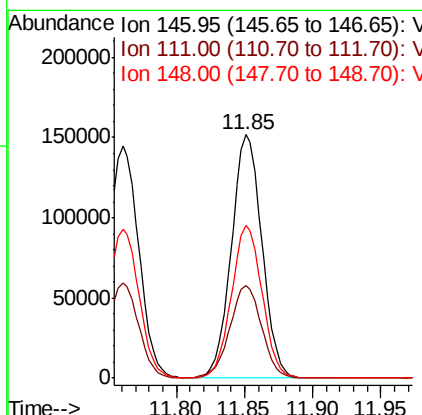
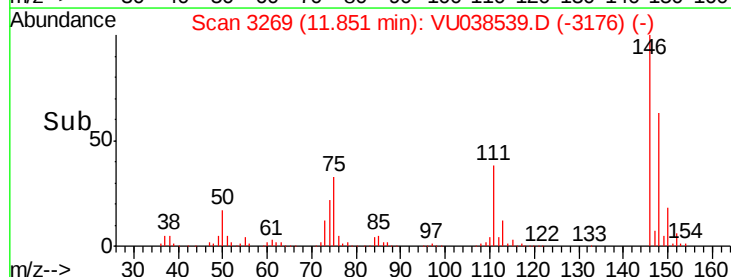
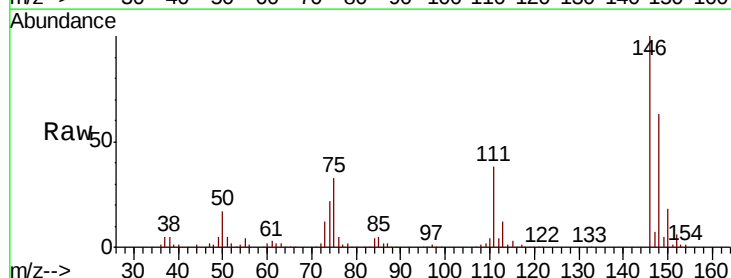
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

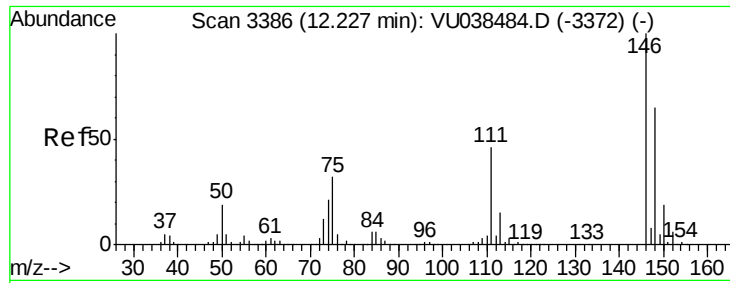
Tot Ion:146 Resp: 227788
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.5 54.9
 148 64.5 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 4.877 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion:146 Resp: 235666
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.6 51.2
 148 62.8 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 4.809 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

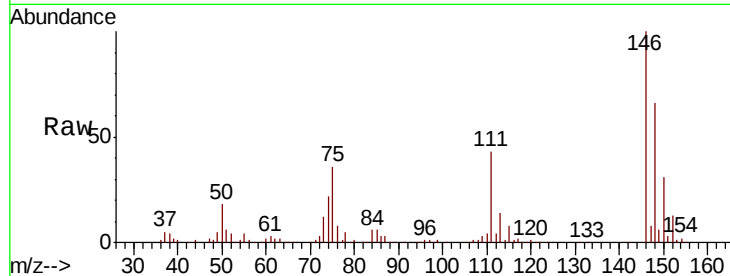
Tot Ion:146 Resp: 217593

Ion Ratio Lower Upper

146 100

111 42.9 35.1 52.7

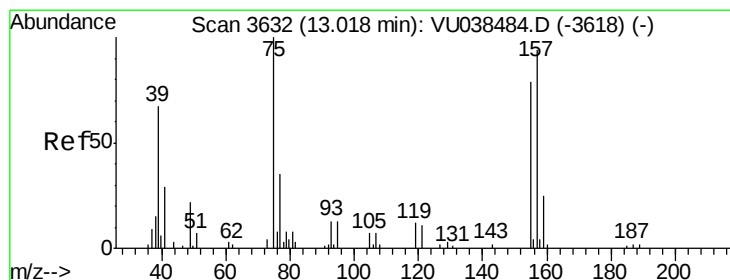
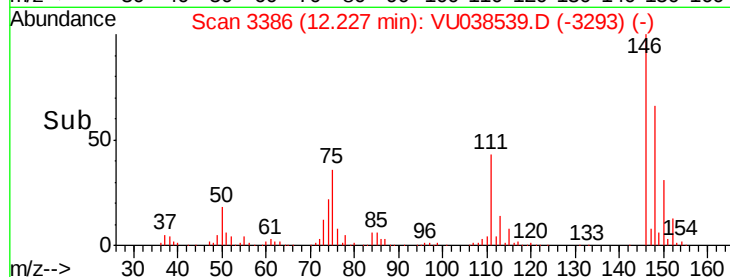
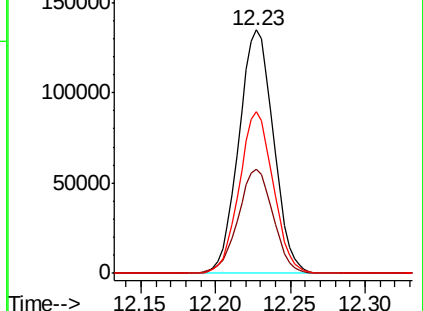
148 66.2 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.691 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

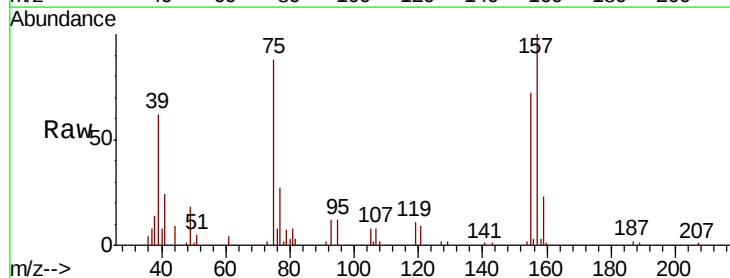
Tgt Ion: 75 Resp: 17183

Ion Ratio Lower Upper

75 100

155 81.8 59.6 89.4

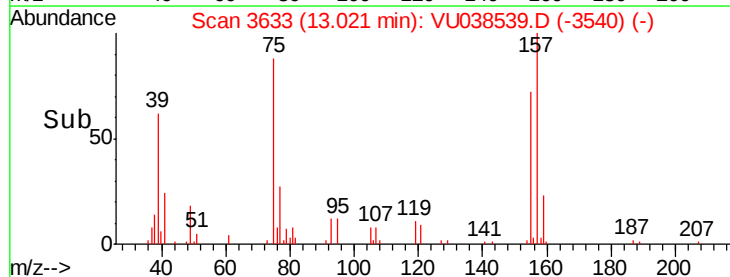
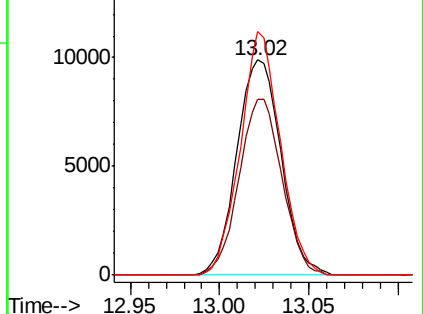
157 113.2 79.8 119.6

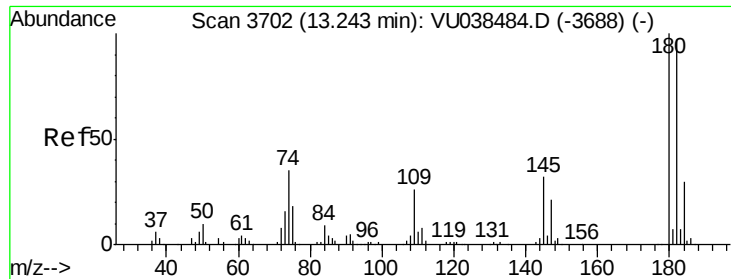


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

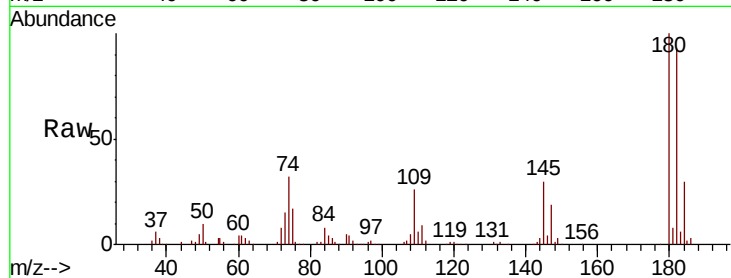




#67
 1,3,5-Trichlorobenzene
 Concen: 4.882 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.8	115.2
184	29.9	25.1	37.7
145	30.0	24.6	37.0



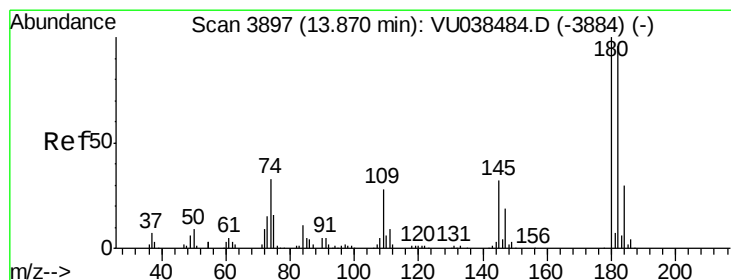
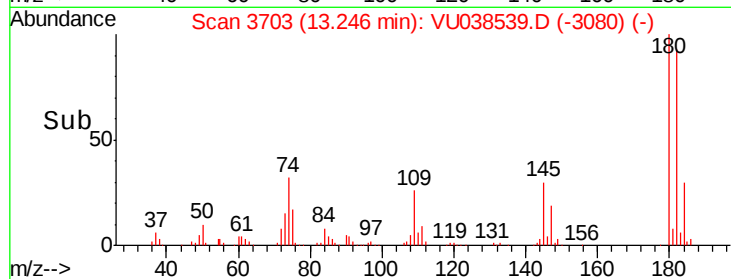
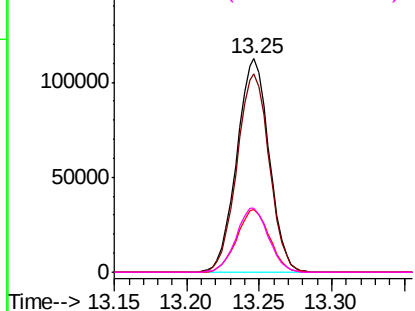
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

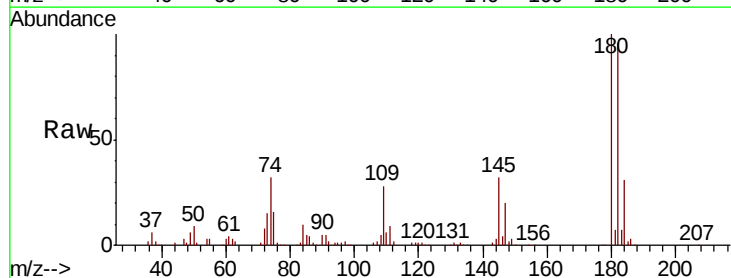
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.768 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU038539.D
 Acq: 04 Jun 2020 09:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.8	113.8
145	31.6	25.3	37.9

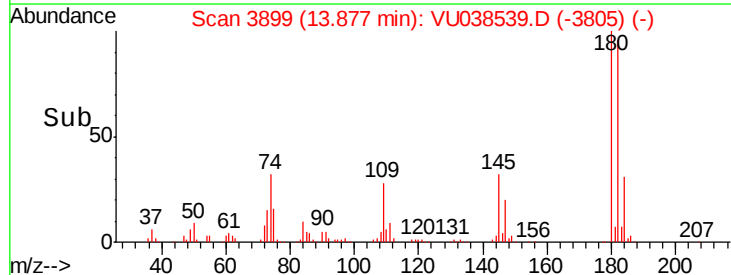
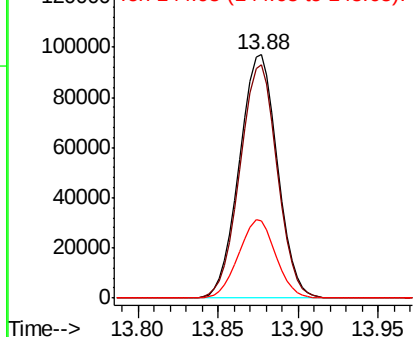


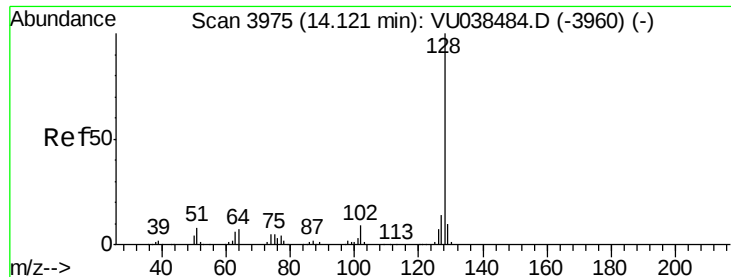
Abundance

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: 4.629 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

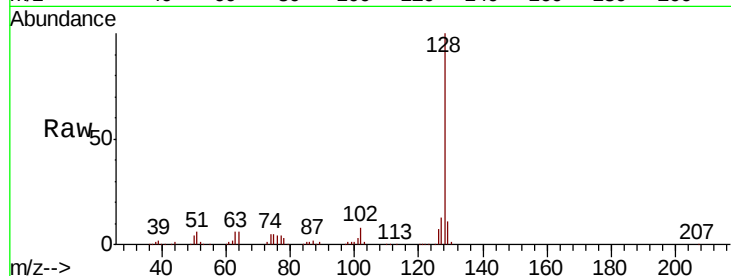
Tot Ion:128 Resp: 303128

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

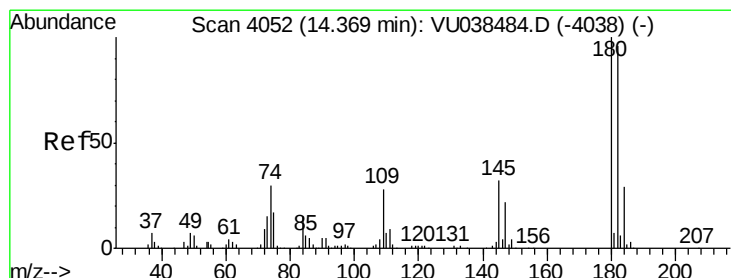
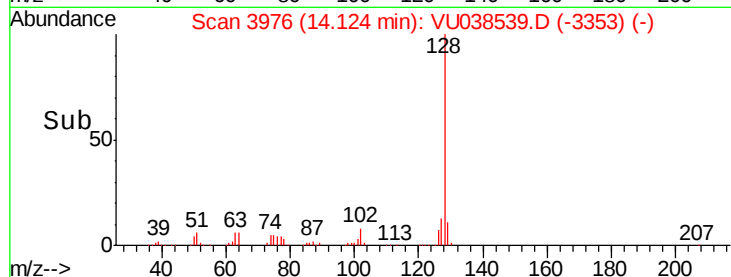
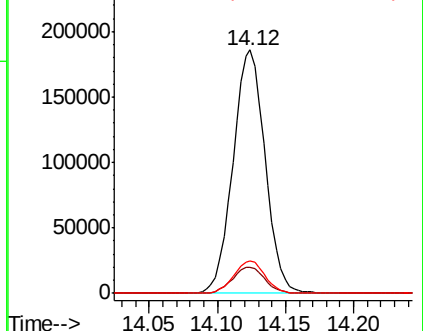
127 13.0 10.2 15.4



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: 4.770 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VU038539.D

Acq: 04 Jun 2020 09:50

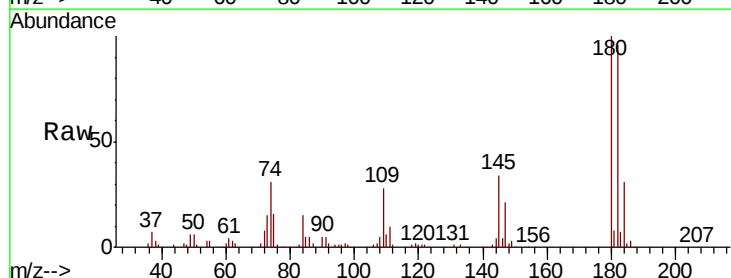
Tgt Ion:180 Resp: 142818

Ion Ratio Lower Upper

180 100

182 97.4 78.7 118.1

145 34.0 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

