

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U060420\
 Data File : VU038537.D
 Acq On : 04 Jun 2020 00:21
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Jun 04 01:52:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 04 01:48:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	307923	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	303662	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	152187	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72389	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.93	69	64591	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.59	63	155661	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.68	46	313265	51.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.48%
24) Chloroform-d	5.10	84	175085	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.74	65	101355	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.76	84	329810	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.72	67	103184	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.92	98	285714	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.20	79	44701	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.65	63	263290	53.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.36%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	97071	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	115303	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	95017	3.915	ug/L	98
3) Chloromethane	1.53	50	84350	3.785	ug/L	99
5) Vinyl chloride	1.62	62	94071	3.939	ug/L	100
6) Bromomethane	1.87	94	37362	3.223	ug/L	96
8) Chloroethane	1.95	64	59621	4.167	ug/L	97
9) Trichlorofluoromethane	2.16	101	133761	4.222	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	76608	4.106	ug/L	98
12) 1,1-Dichloroethene	2.60	96	78267	4.127	ug/L	98
13) Acetone	2.68	43	192497	48.586	ug/L	97
14) Carbon disulfide	2.82	76	219364	3.409	ug/L	99
15) Methyl Acetate	2.99	43	45588	4.697	ug/L	95
16) Methylene chloride	3.08	84	96485	4.496	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	237161	4.770	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	85593	4.188	ug/L	93
19) 1,1-Dichloroethane	3.91	63	167679	4.585	ug/L	98
21) 2-Butanone	4.76	43	327281	49.112	ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	96361	4.379	ug/L	97

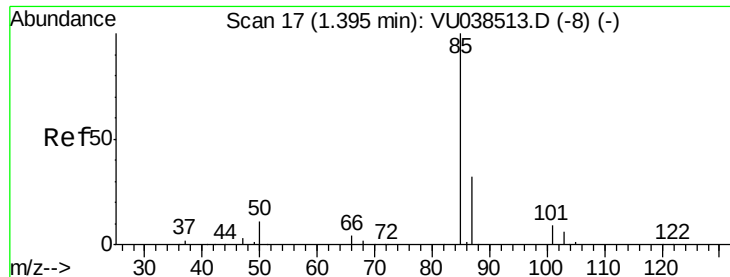
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	44490	4.492	ug/L	93
25) Chloroform	5.13	83	177107	4.767	ug/L	100
27) 1,2-Dichloroethane	5.83	62	124057	4.743	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	142822	4.445	ug/L	98
30) Cyclohexane	5.42	56	119506	3.547	ug/L	99
31) Carbon tetrachloride	5.56	117	113457	4.241	ug/L	99
33) Benzene	5.81	78	364584	4.306	ug/L	100
34) Trichloroethene	6.57	95	89981	4.094	ug/L	99
35) Methylcyclohexane	6.79	83	125531	3.689	ug/L	96
37) 1,2-Dichloropropane	6.82	63	96227	4.516	ug/L	100
38) Bromodichloromethane	7.13	83	127493	4.818	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	136384	4.331	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	716649	47.029	ug/L	100
42) Toluene	7.99	91	376846	4.243	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	123541	4.442	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	77221	4.804	ug/L	96
47) Tetrachloroethene	8.57	164	64757	4.055	ug/L	97
48) 2-Hexanone	8.71	43	548925	47.565	ug/L	99
49) Dibromochloromethane	8.83	129	83716	4.825	ug/L	98
50) 1,2-Dibromoethane	8.94	107	71657	4.655	ug/L	96
51) Chlorobenzene	9.47	112	244121	4.262	ug/L	99
52) Ethylbenzene	9.59	91	396929	4.017	ug/L	99
53) m,p-Xylene	9.71	106	154134	4.056	ug/L	94
54) o-Xylene	10.12	106	155159	4.253	ug/L	94
55) Styrene	10.13	104	269335	4.349	ug/L	99
56) Isopropylbenzene	10.50	105	386894	4.029	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	93653	4.584	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	74463	4.682	ug/L	98
61) Bromoform	10.31	173	45818	4.833	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	193797	4.334	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	197924	4.365	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	191381	4.507	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	17223	5.010	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	142352	4.267	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	130095	4.213	ug/L	99
69) Naphthalene	14.11	128	271861	4.424	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	125570	4.469	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 3.915 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

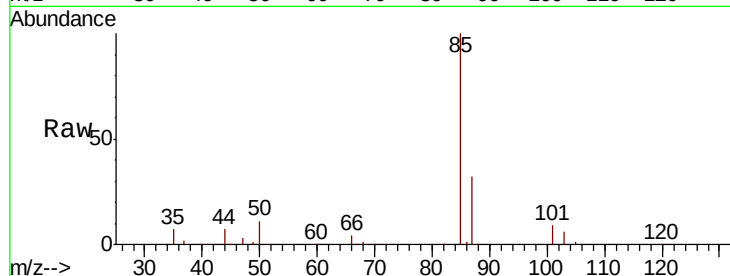
VSTD00508

Tot Ion: 85 Resp: 95017

Ion Ratio Lower Upper

85 100

87 32.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038513.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038513.D (-8) (-)

1.39

100000

80000

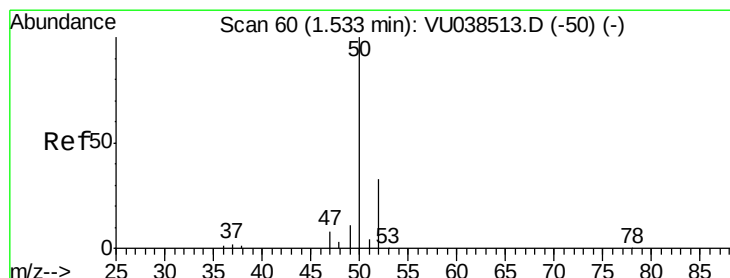
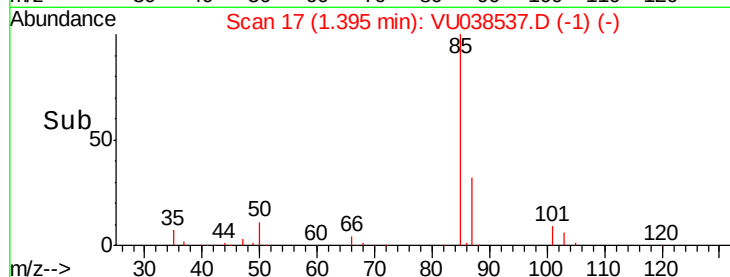
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 3.785 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038537.D

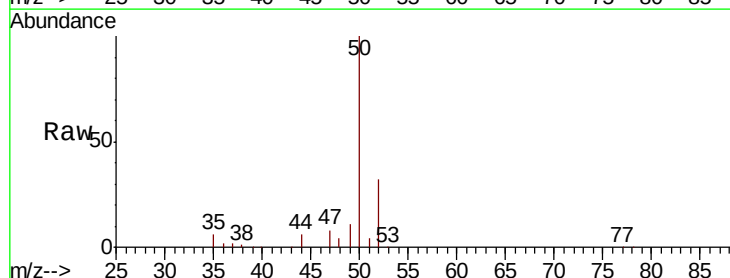
Acq: 04 Jun 2020 00:21

Tgt Ion: 50 Resp: 84350

Ion Ratio Lower Upper

50 100

52 32.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038513.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038513.D (-50) (-)

1.53

80000

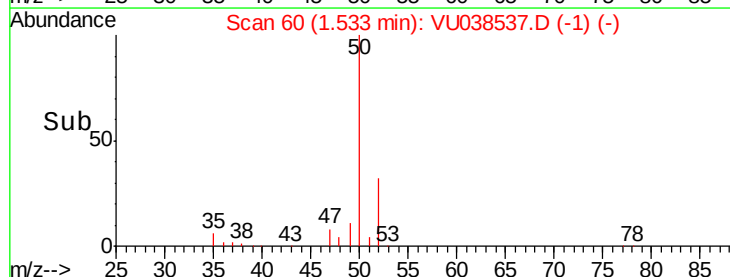
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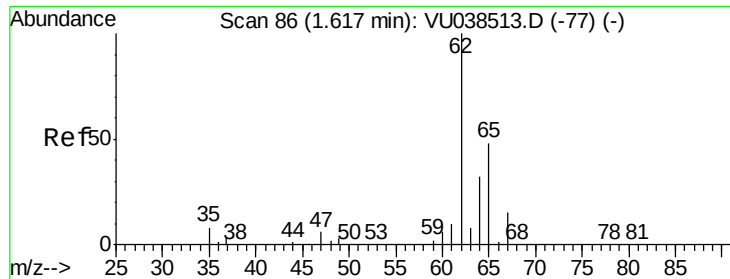
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 3.939 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

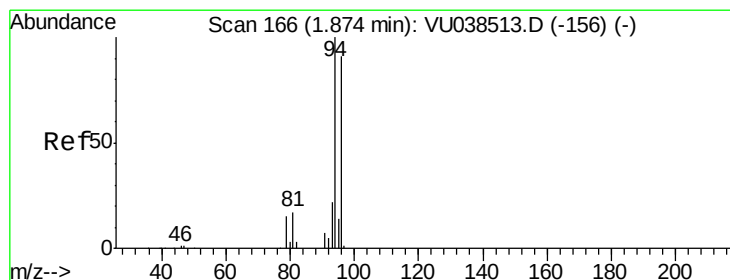
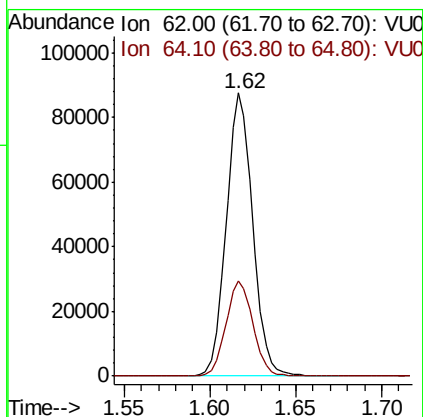
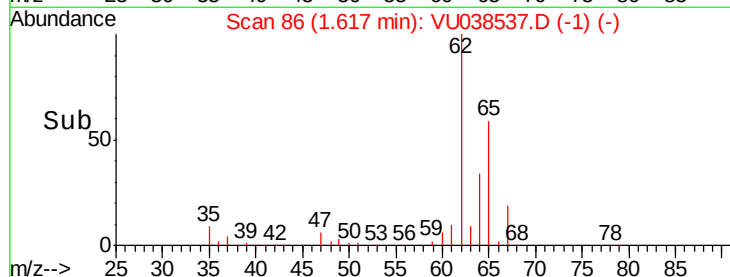
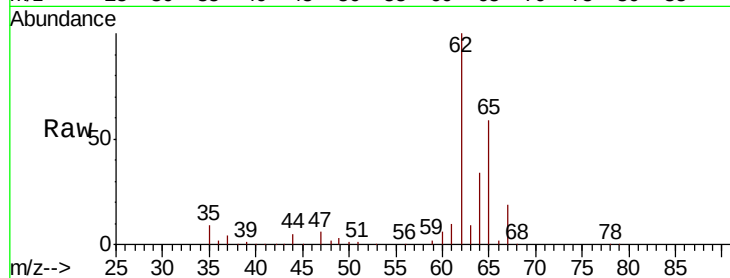
VSTD00508

Tot Ion: 62 Resp: 94071

Ion Ratio Lower Upper

62 100

64 33.5 23.7 43.9



#6

Bromomethane

Concen: 3.223 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038537.D

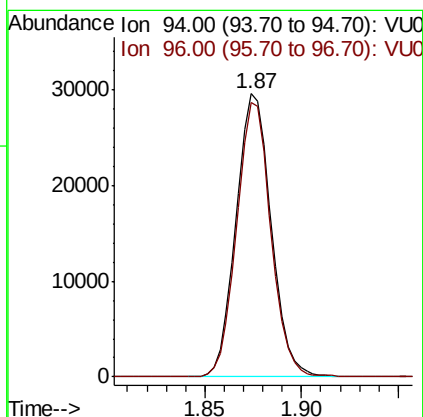
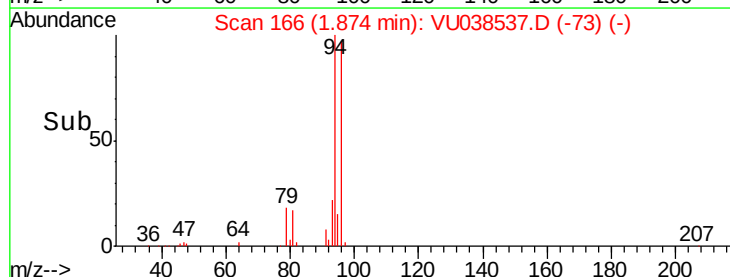
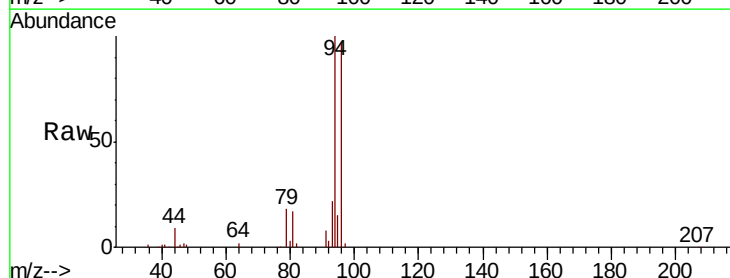
Acq: 04 Jun 2020 00:21

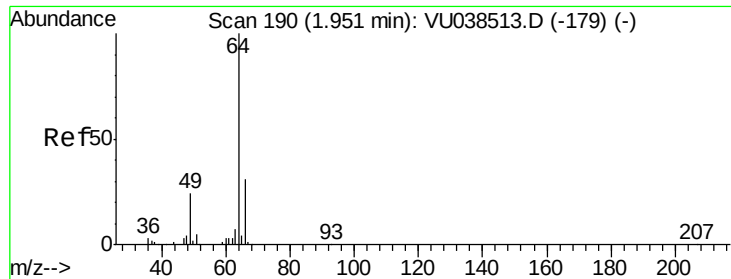
Tgt Ion: 94 Resp: 37362

Ion Ratio Lower Upper

94 100

96 97.0 65.5 121.6

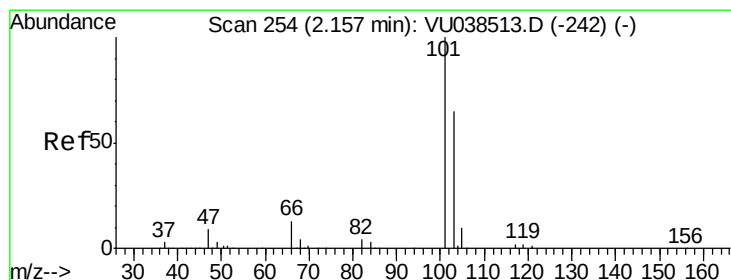
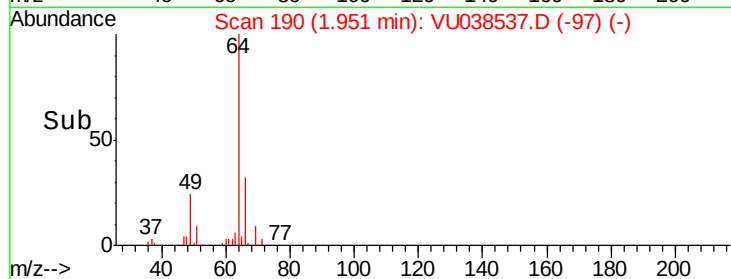
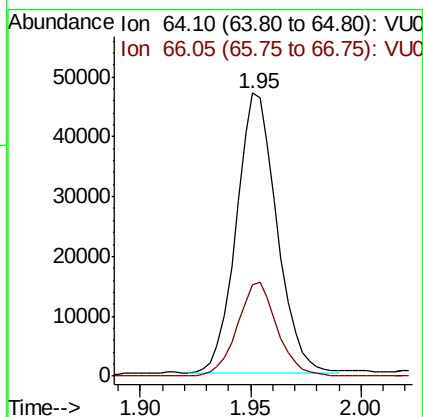
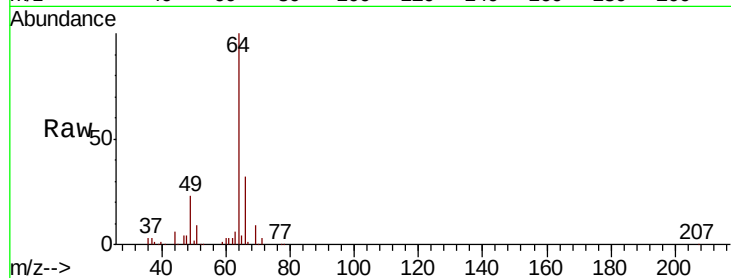




#8
Chloroethane
Concen: 4.167 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

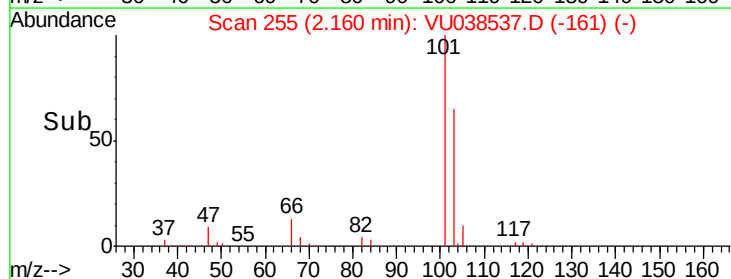
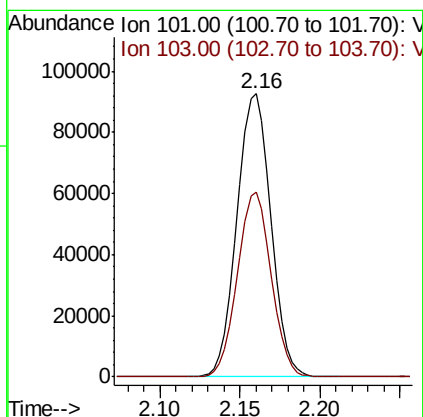
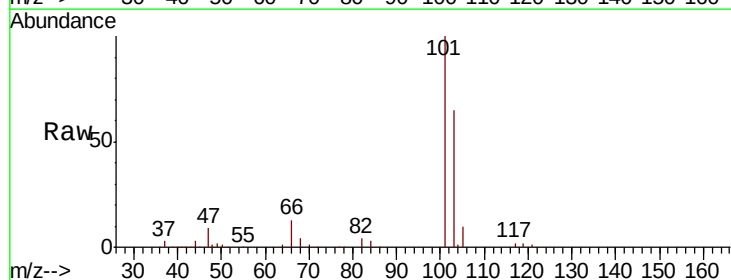
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

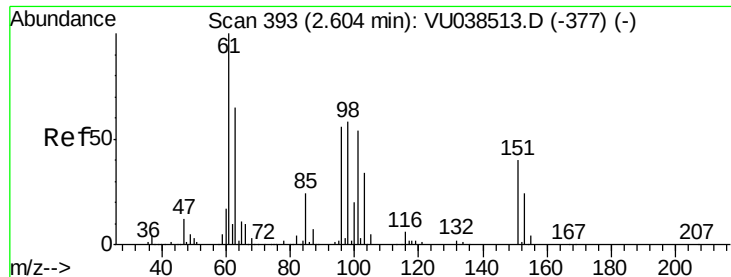
Tot Ion: 64 Resp: 59621
Ion Ratio Lower Upper
64 100
66 32.3 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.222 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Tgt Ion: 101 Resp: 133761
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#10

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

Concen: 4.106 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

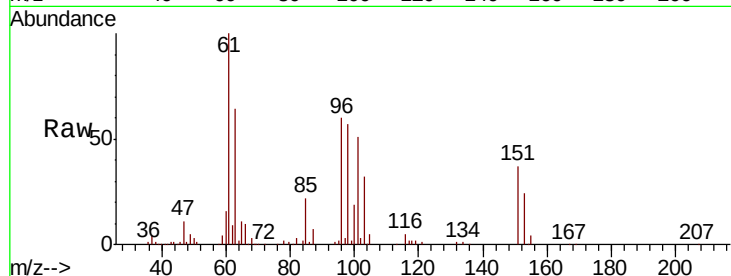
Tot Ion:101 Resp: 76608

Ion Ratio Lower Upper

101 100

85 43.7 34.0 51.0

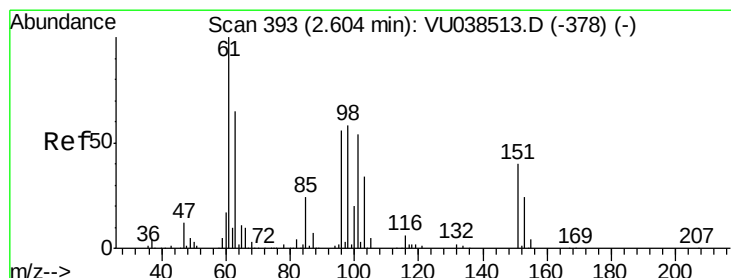
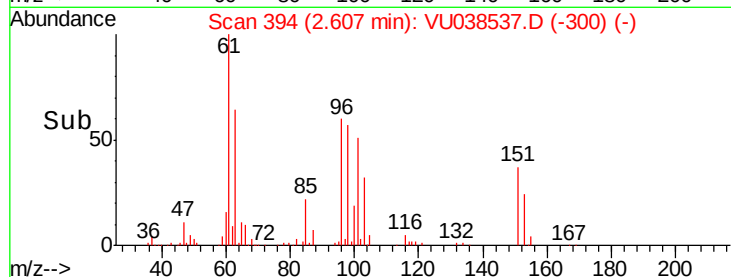
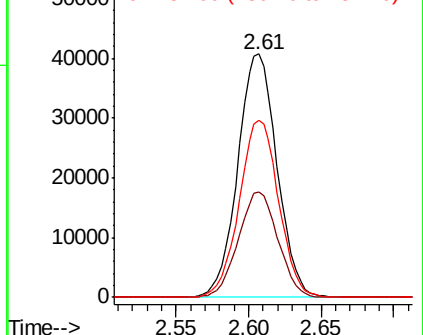
151 73.1 56.9 85.3



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: 4.127 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

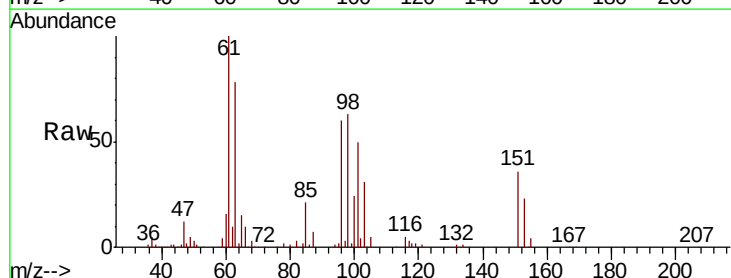
Tgt Ion: 96 Resp: 78267

Ion Ratio Lower Upper

96 100

61 167.5 119.9 222.7

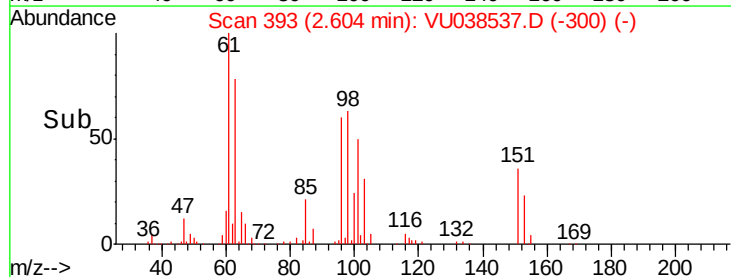
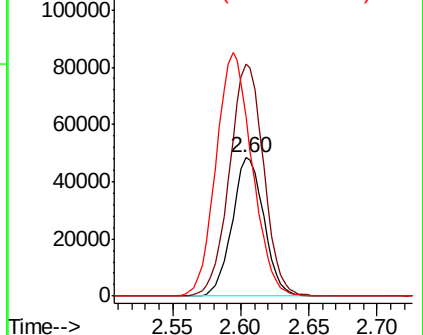
63 129.9 89.9 167.0

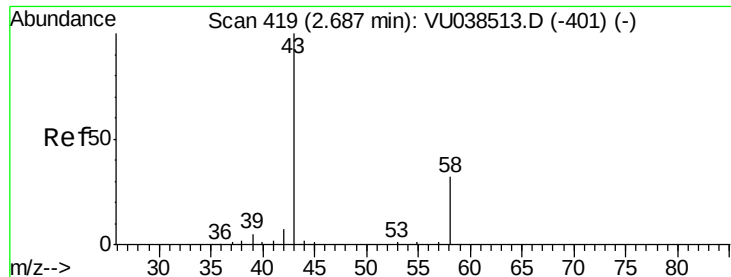


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.586 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.00 min

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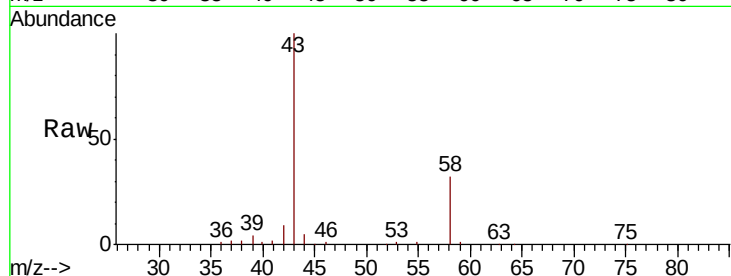
VSTD00508

Tot Ion: 43 Resp: 192497

Ion Ratio Lower Upper

43 100

58 31.1 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038513.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038513.D (-401) (-)

2.68

40000

30000

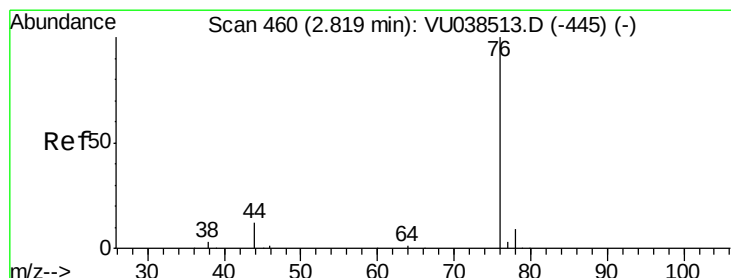
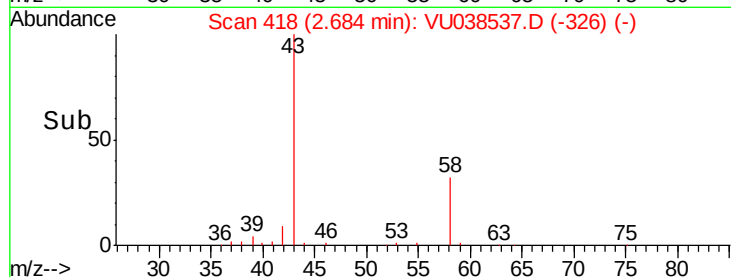
20000

10000

0

2.60 2.70 2.80 2.90

Time-->



#14

Carbon disulfide

Concen: 3.409 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038537.D

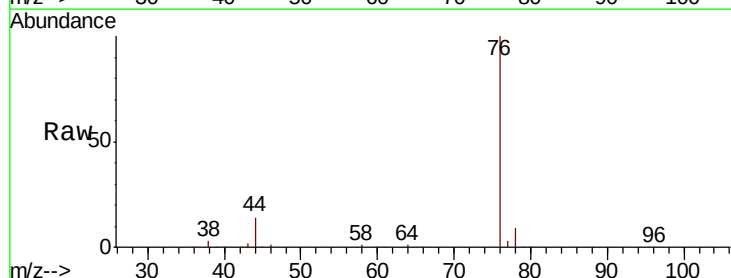
Acq: 04 Jun 2020 00:21

Tgt Ion: 76 Resp: 219364

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038513.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038513.D (-445) (-)

2.82

150000

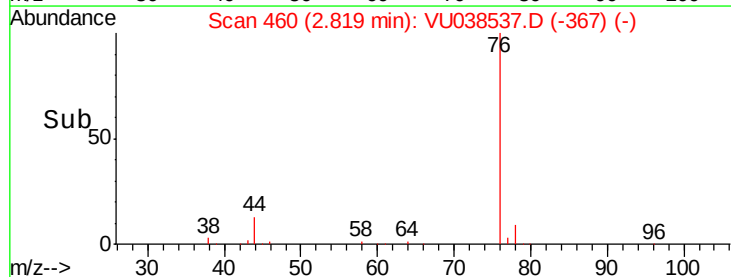
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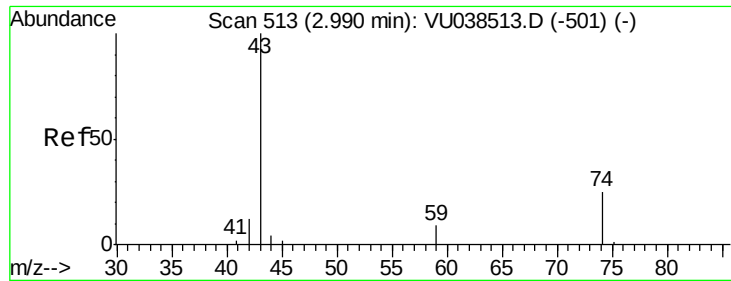
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2.75 2.80 2.85 2.90

Time-->

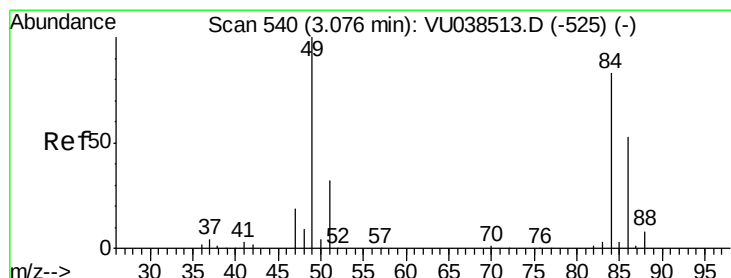
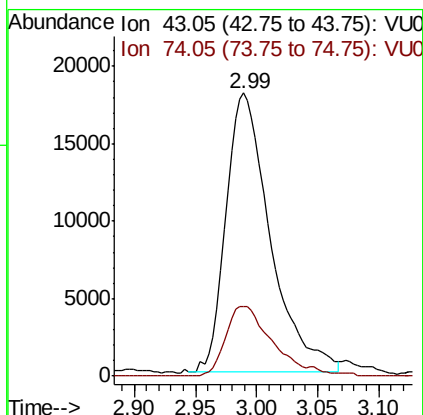
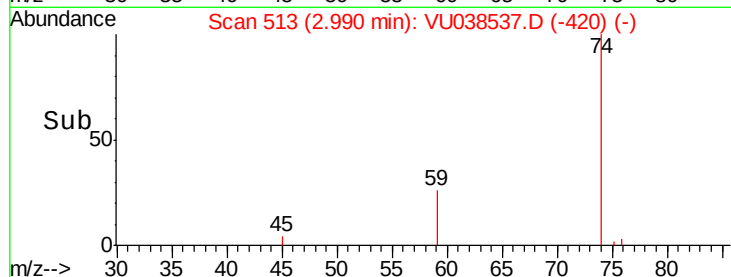
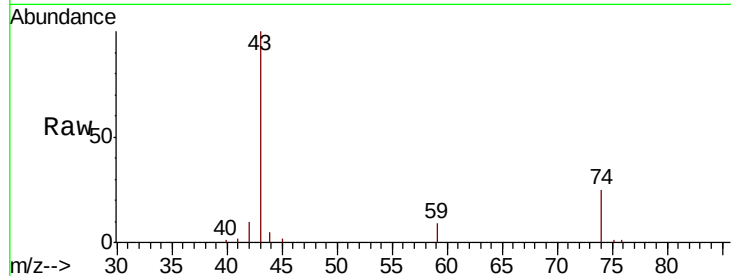




#15
Methyl Acetate
Concen: 4.697 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

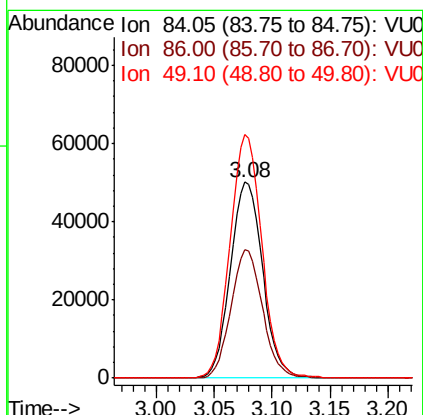
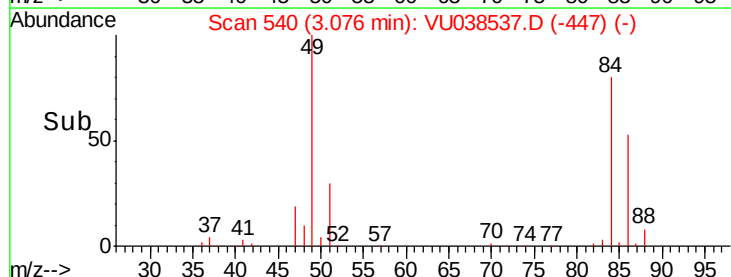
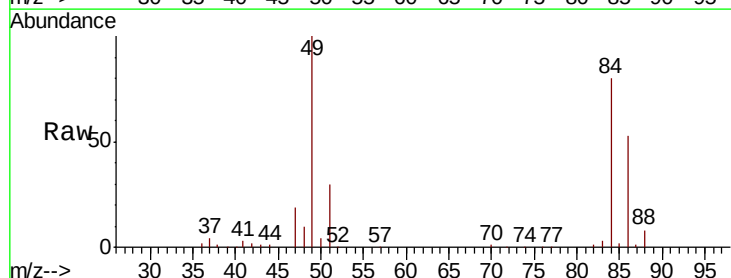
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

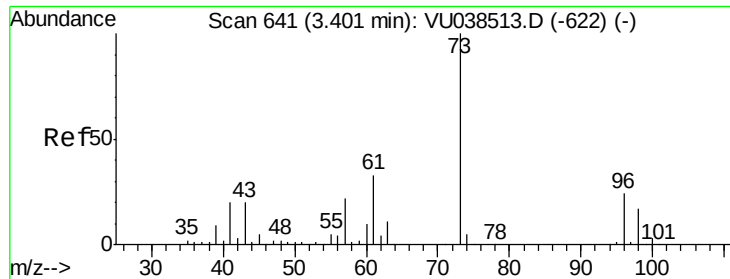
Tot Ion: 43 Resp: 45588
Ion Ratio Lower Upper
43 100
74 26.6 19.2 28.8



#16
Methylene chloride
Concen: 4.496 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Tgt Ion: 84 Resp: 96485
Ion Ratio Lower Upper
84 100
86 65.4 45.0 83.6
49 124.4 85.5 158.9

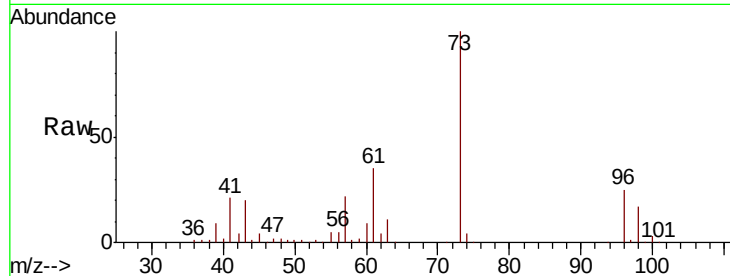




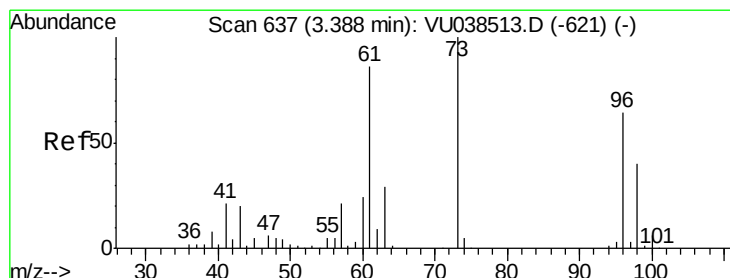
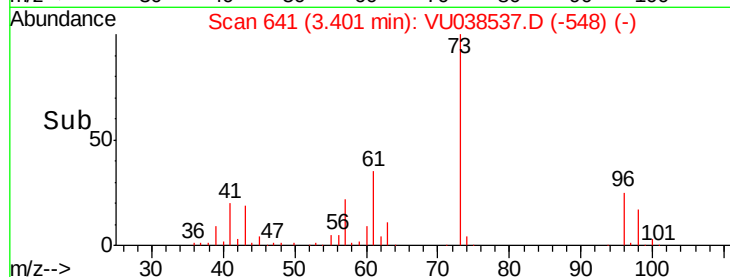
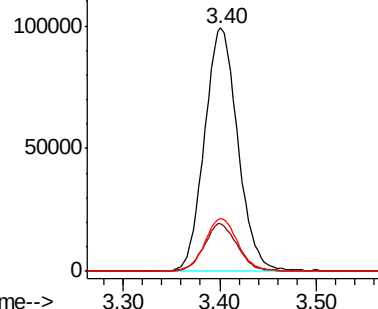
#17
Methyl tert-butyl Ether
Concen: 4.770 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 73 Resp: 237161
Ion Ratio Lower Upper
73 100
43 19.7 15.5 23.3
57 21.7 17.8 26.6

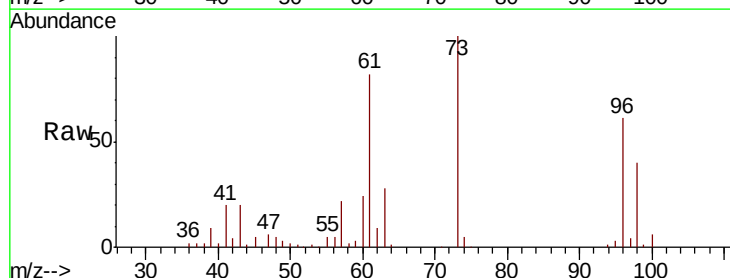


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

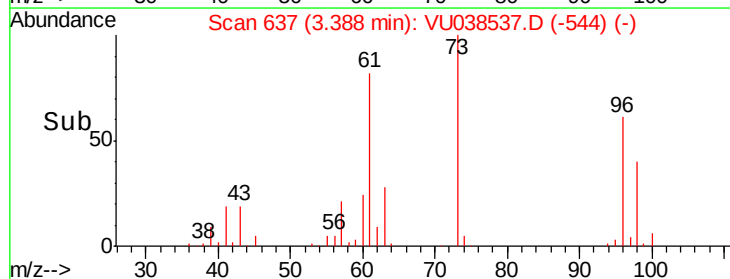
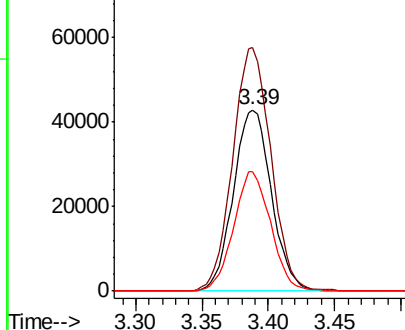


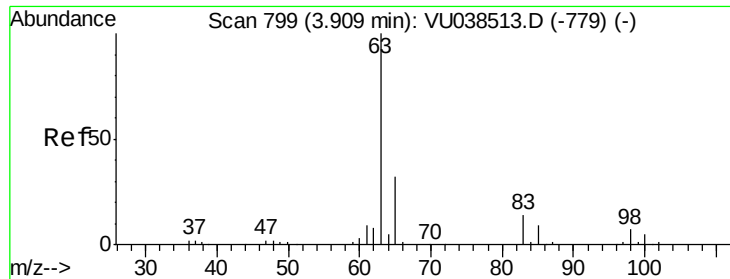
#18
trans-1,2-Dichloroethene
Concen: 4.188 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Tgt Ion: 96 Resp: 85593
Ion Ratio Lower Upper
96 100
61 134.2 100.2 186.0
98 66.1 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



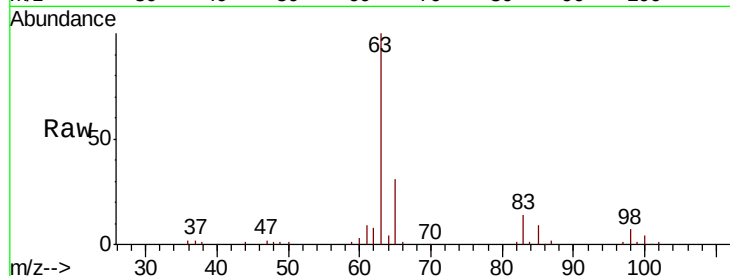


#19
 1,1-Dichloroethane
 Concen: 4.585 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

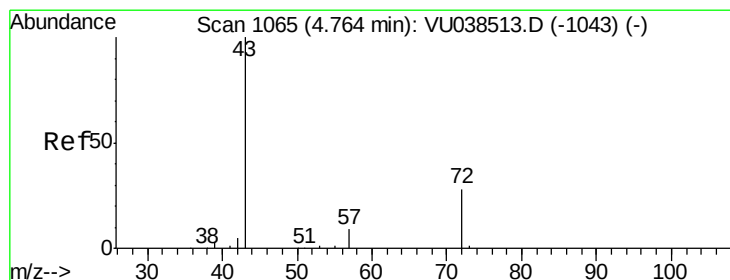
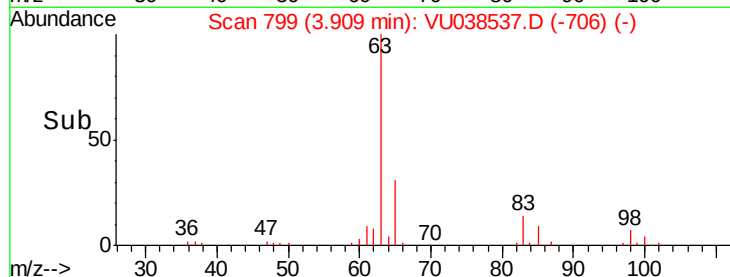
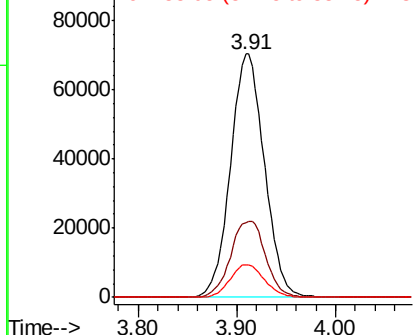
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 63 Resp: 167679

Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.3	41.5
83	13.5	10.4	19.4



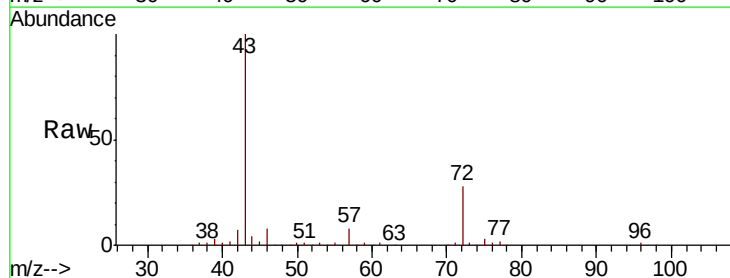
Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0



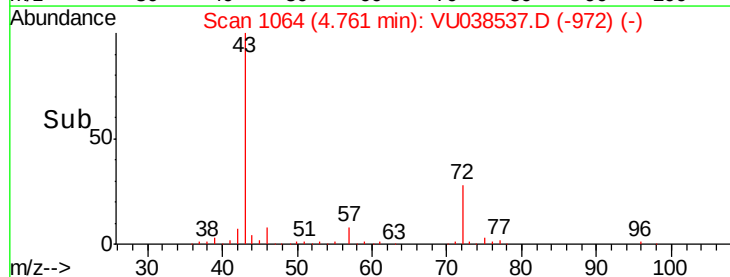
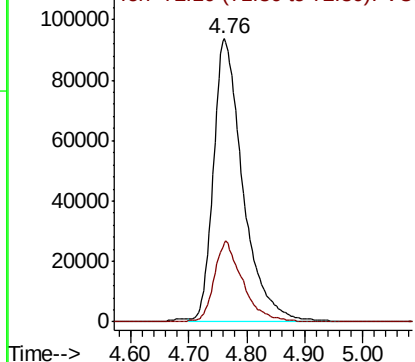
#21
 2-Butanone
 Concen: 49.112 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

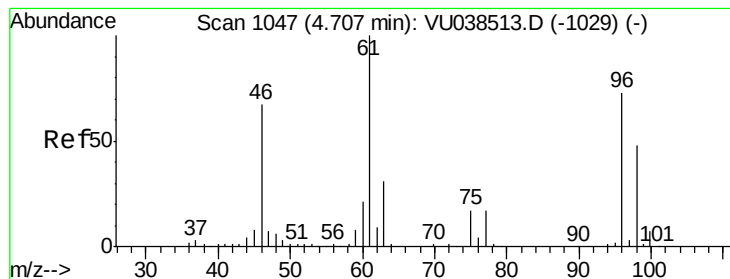
Tgt Ion: 43 Resp: 327281

Ion	Ratio	Lower	Upper
43	100		
72	28.2	12.6	37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.379 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

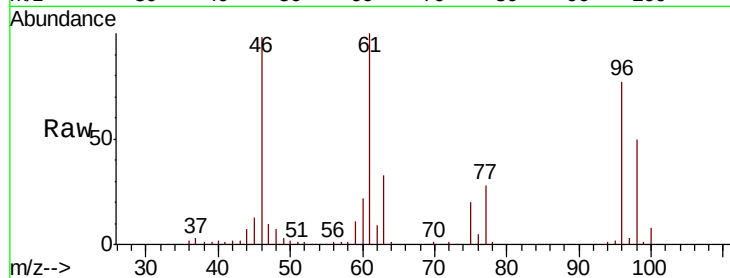
Tot Ion: 96 Resp: 96361

Ion Ratio Lower Upper

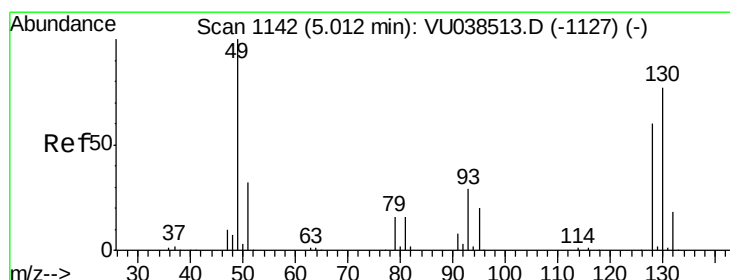
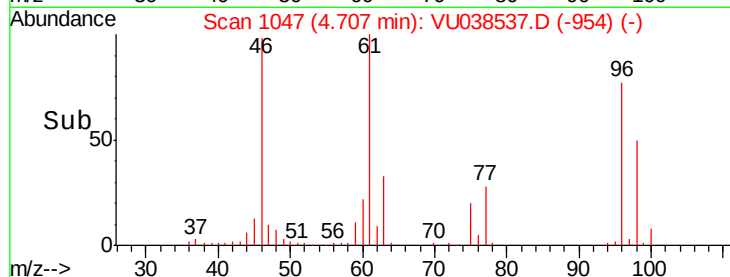
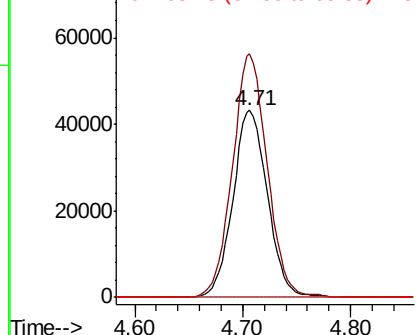
96 100

61 130.2 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: 4.492 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Tgt Ion: 128 Resp: 44490

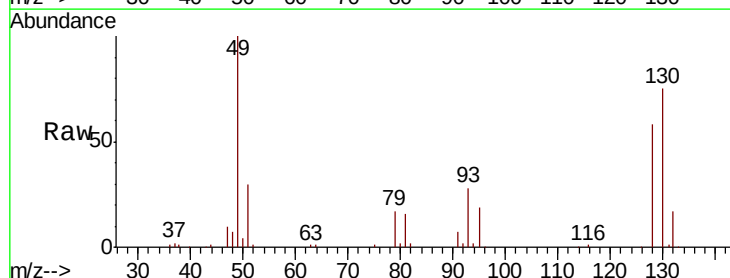
Ion Ratio Lower Upper

128 100

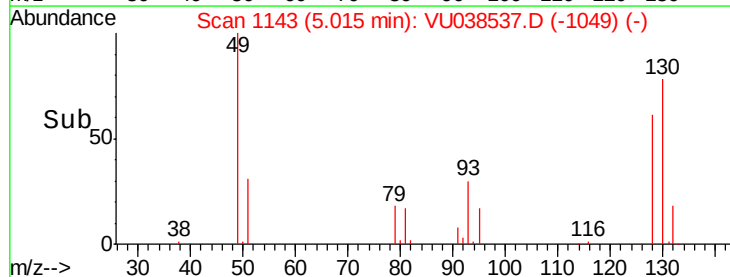
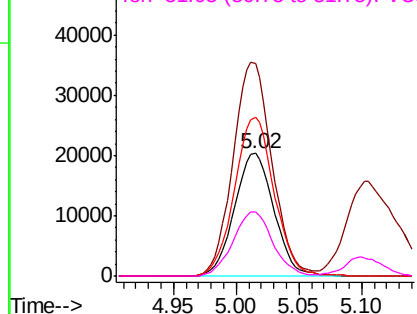
49 173.0 111.9 207.7

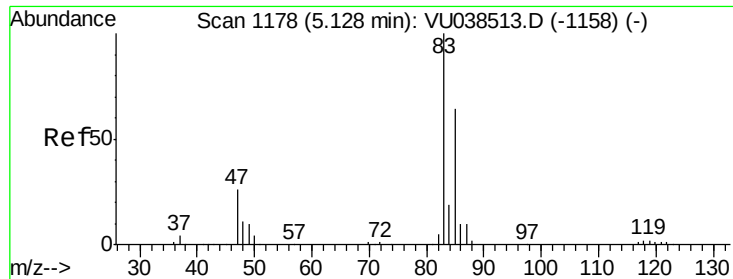
130 129.2 86.5 160.7

51 52.4 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

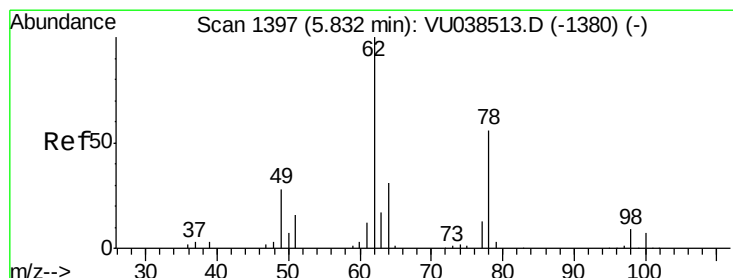
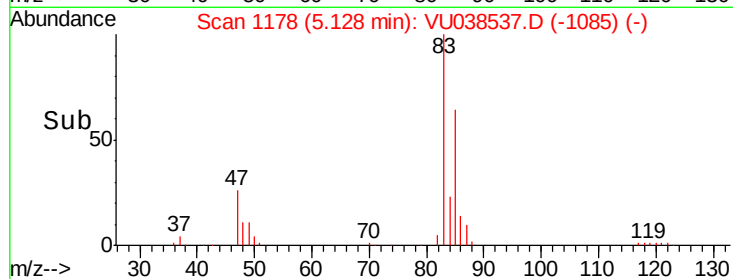
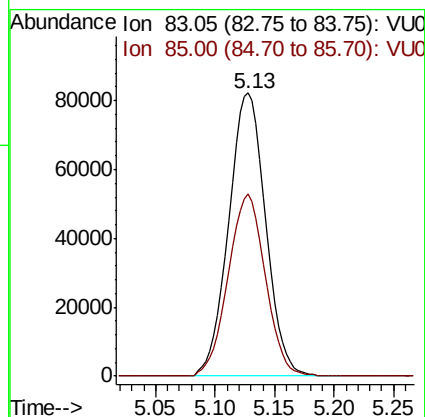
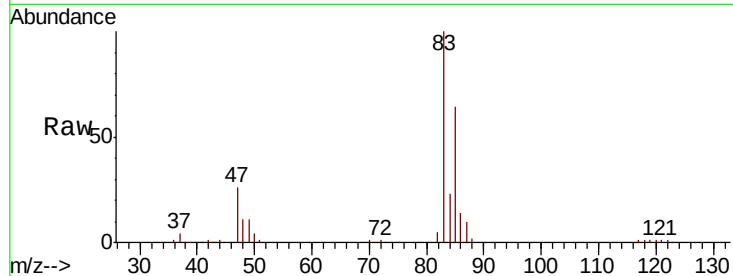




#25
Chloroform
Concen: 4.767 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

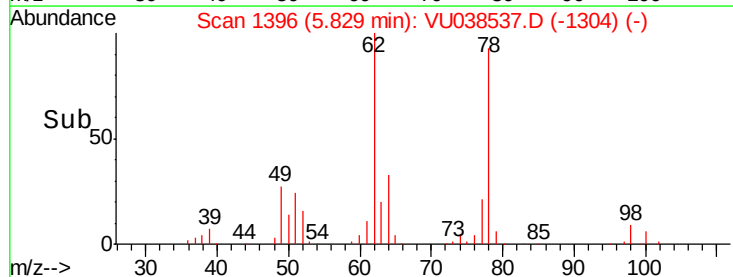
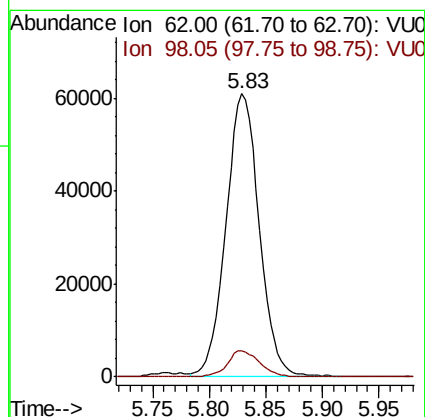
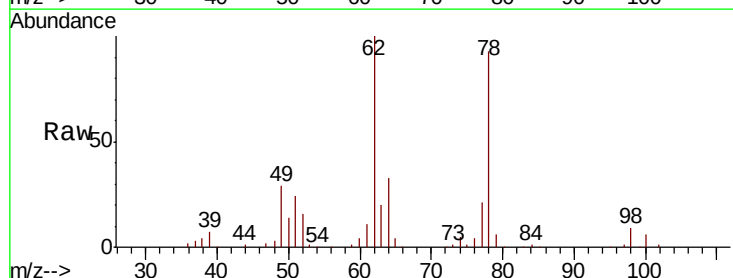
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

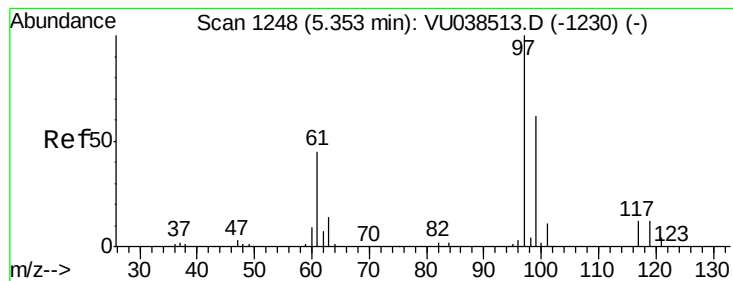
Tot Ion: 83 Resp: 177107
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.743 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Tgt Ion: 62 Resp: 124057
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.445 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

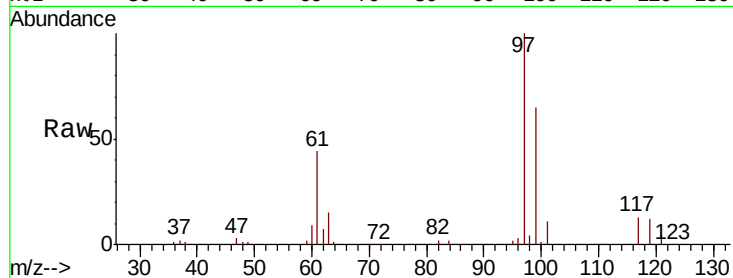
Tot Ion: 97 Resp: 142822

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

61 43.1 35.4 53.2

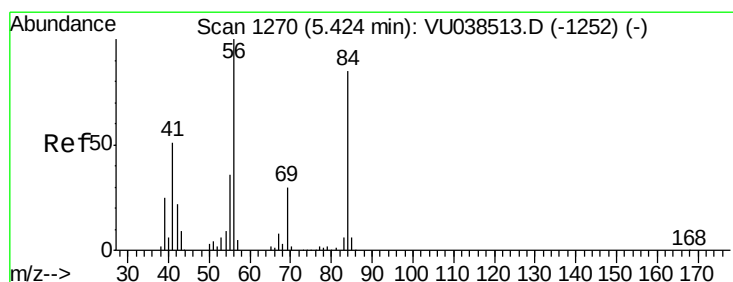
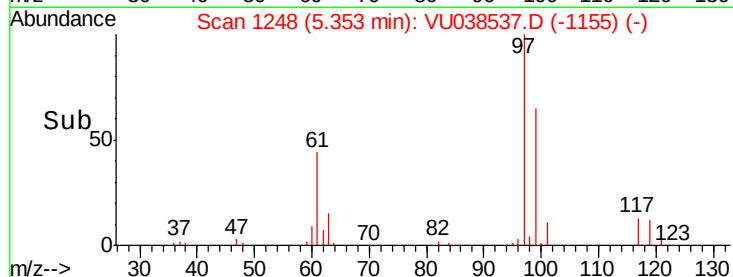
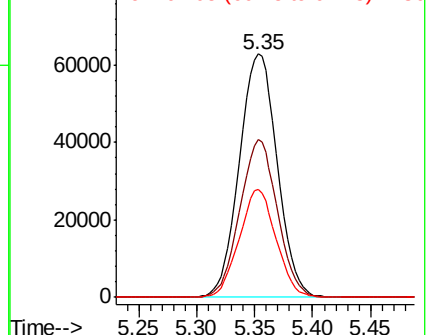


Abundance

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: 3.547 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

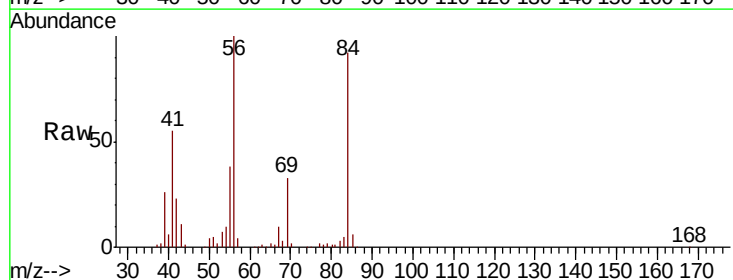
Tgt Ion: 56 Resp: 119506

Ion Ratio Lower Upper

56 100

69 31.9 24.2 36.4

84 88.5 70.8 106.2

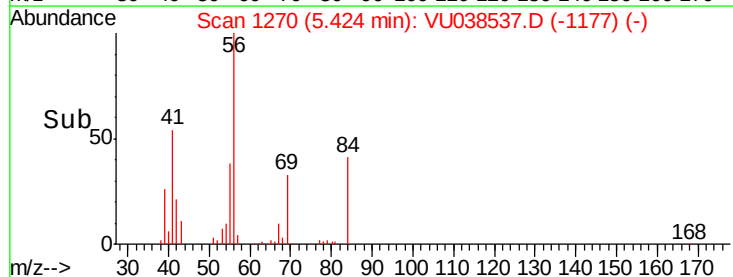
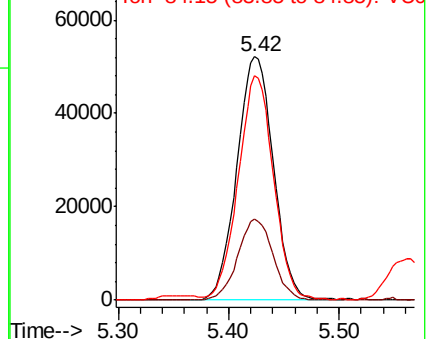


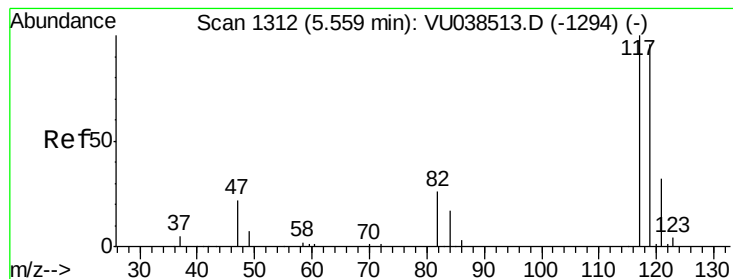
Abundance

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: 4.241 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

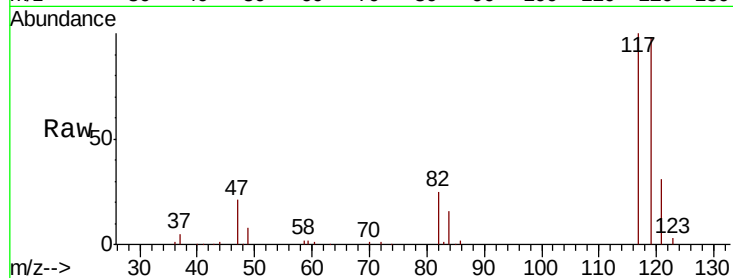
VSTD00508

Tot Ion:117 Resp: 113457

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

5.56

60000

50000

40000

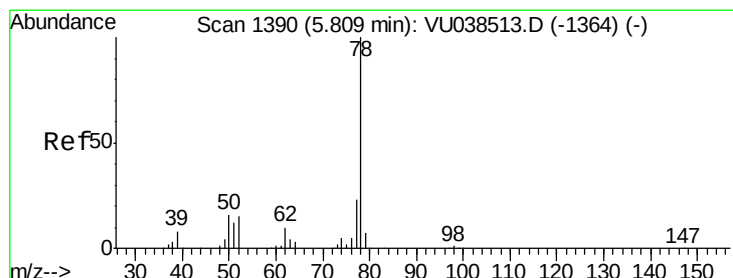
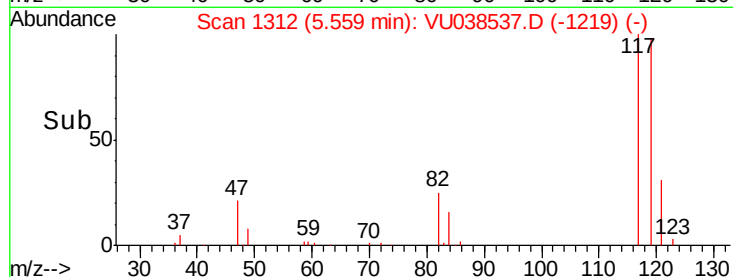
30000

20000

10000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.306 ug/L

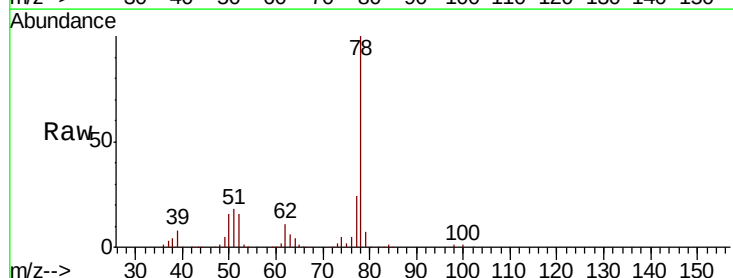
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Tgt Ion: 78 Resp: 364584



Abundance Ion 78.10 (77.80 to 78.80): VU0

200000

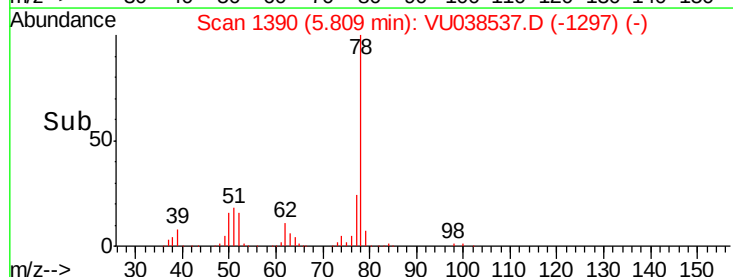
150000

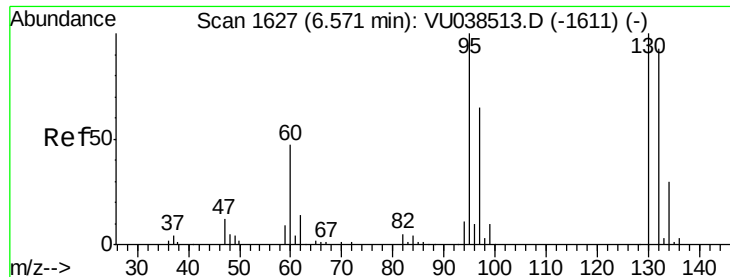
100000

50000

0

Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.094 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 95 Resp: 89981

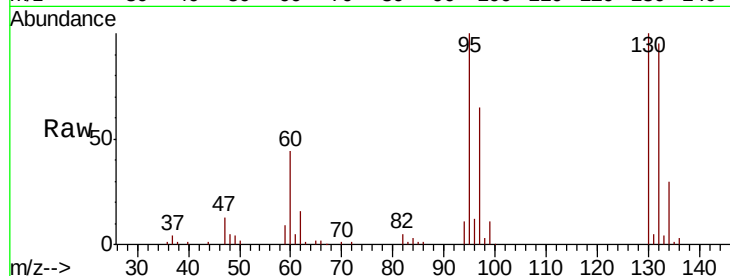
Ion Ratio Lower Upper

95 100

97 64.9 46.8 87.0

132 94.9 66.1 122.7

130 99.7 70.0 130.0

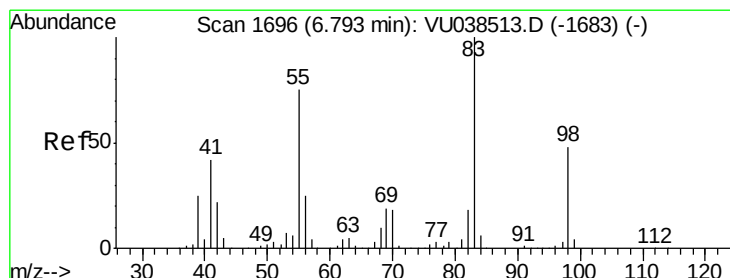
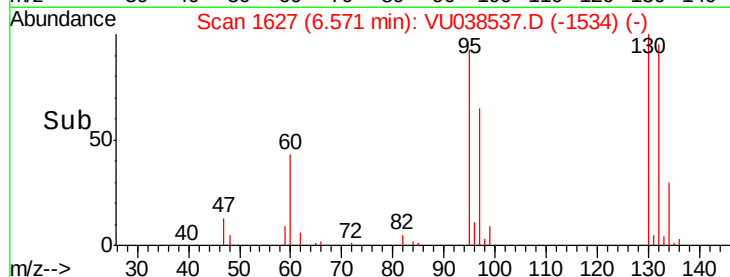
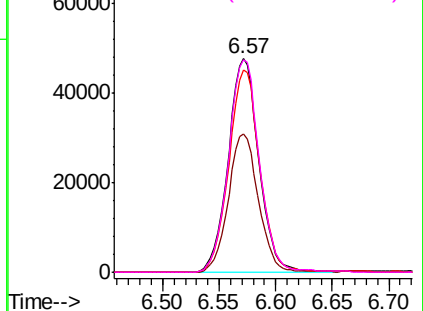


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 3.689 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

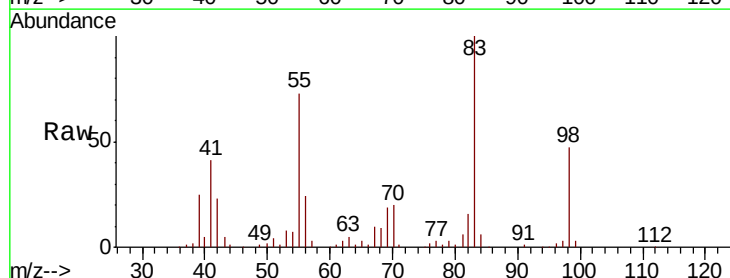
Tgt Ion: 83 Resp: 125531

Ion Ratio Lower Upper

83 100

55 75.0 63.4 95.2

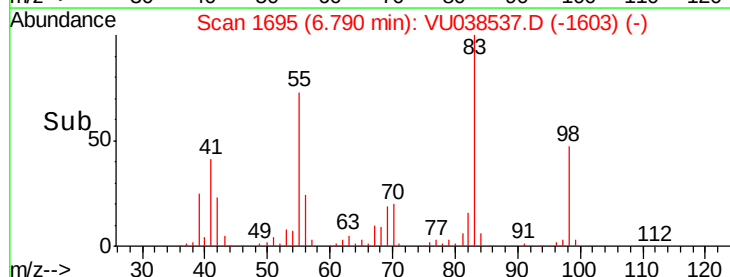
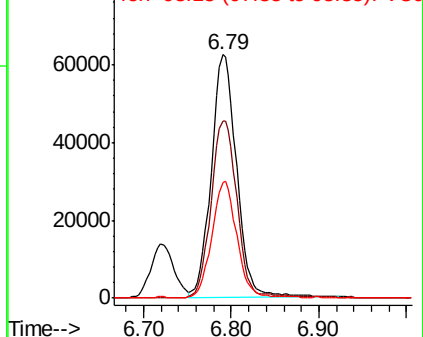
98 46.5 39.0 58.4

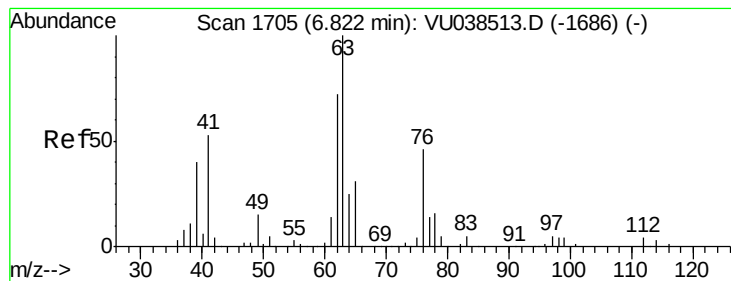


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.516 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

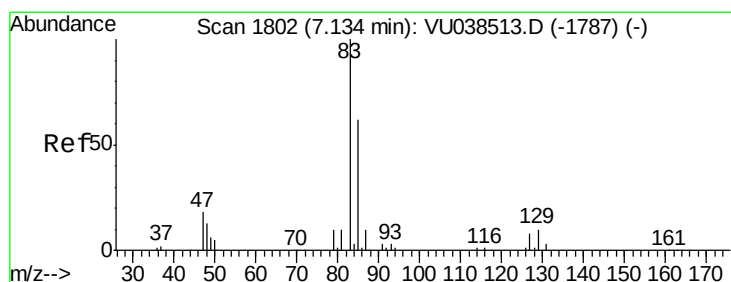
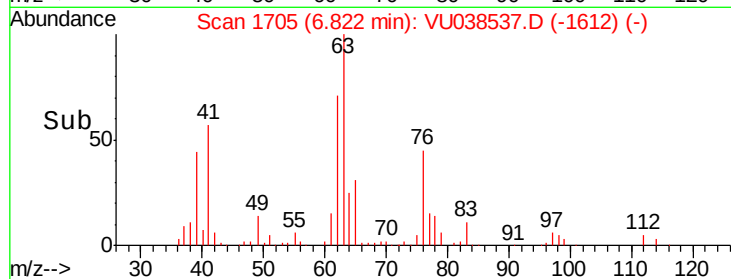
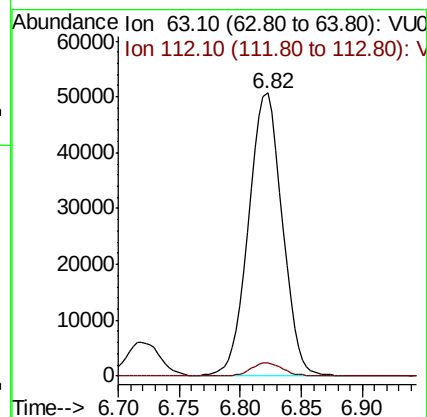
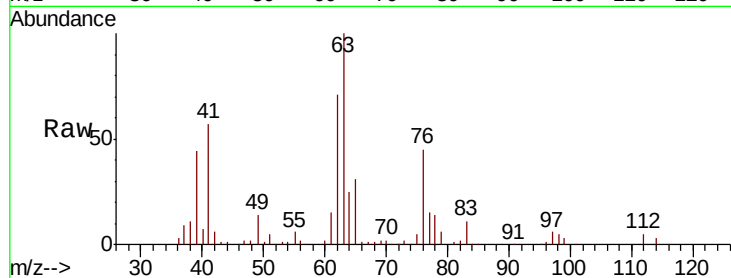
VSTD00508

Tot Ion: 63 Resp: 96227

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 4.818 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

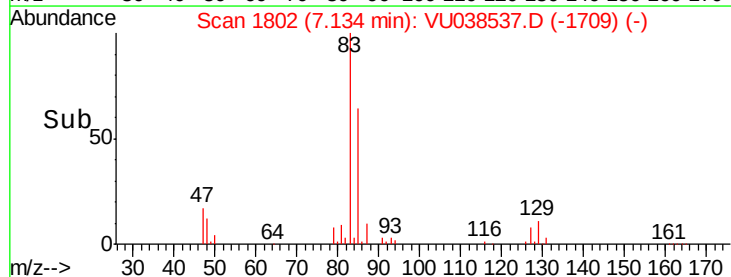
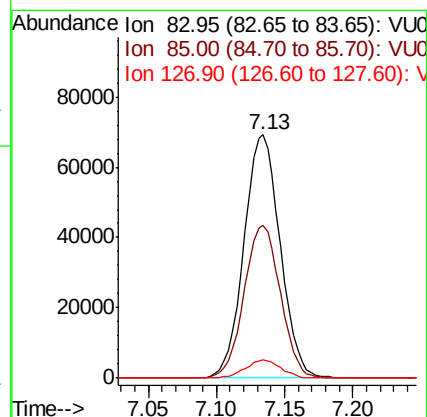
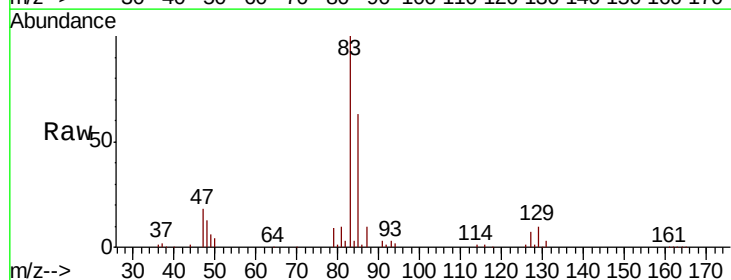
Tgt Ion: 83 Resp: 127493

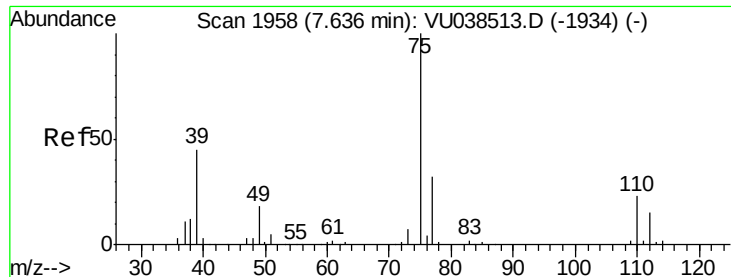
Ion Ratio Lower Upper

83 100

85 62.9 44.7 83.1

127 7.5 6.8 10.2

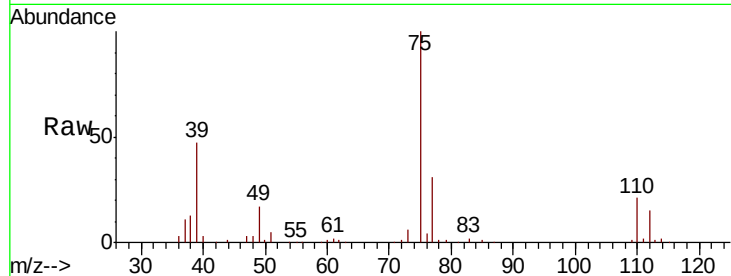




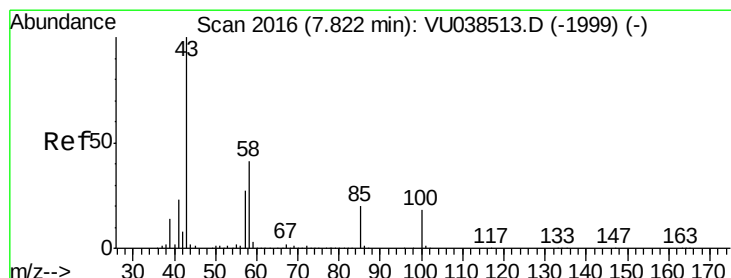
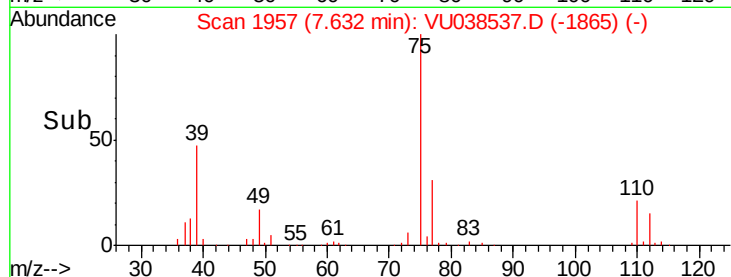
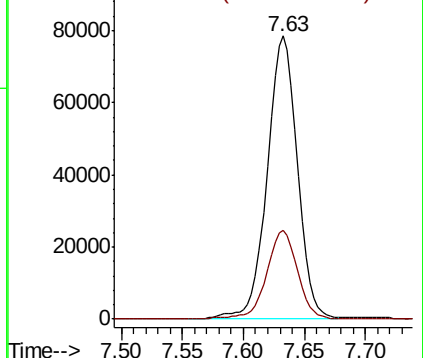
#39
 cis-1,3-Dichloropropene
 Concen: 4.331 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 75 Resp: 136384
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.9 40.7

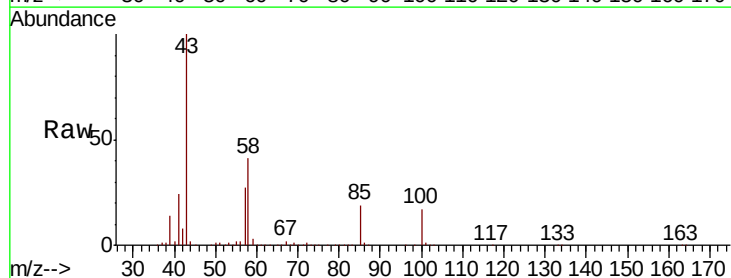


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

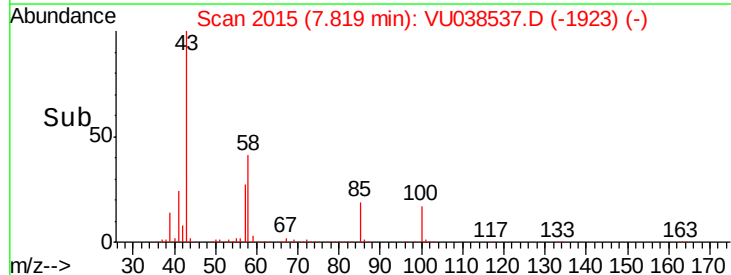
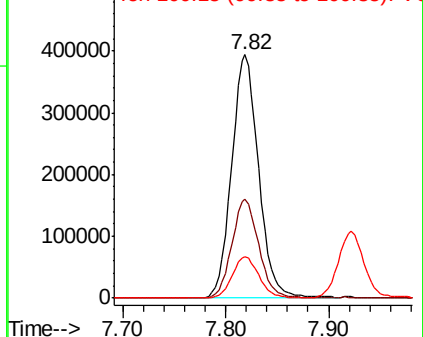


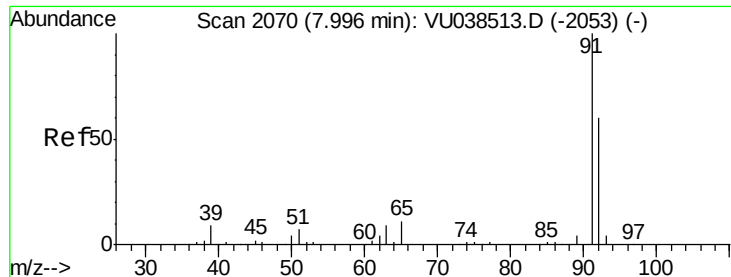
#40
 4-Methyl-2-pentanone
 Concen: 47.029 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Tgt Ion: 43 Resp: 716649
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.4 48.6
 100 17.0 13.3 19.9



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





#42

Toluene

Concen: 4.243 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

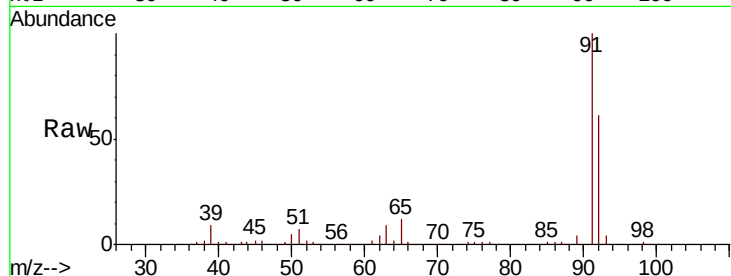
VSTD00508

Tot Ion: 91 Resp: 376846

Ion Ratio Lower Upper

91 100

92 60.8 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038513.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038513.D (-2053) (-)

7.99

250000

200000

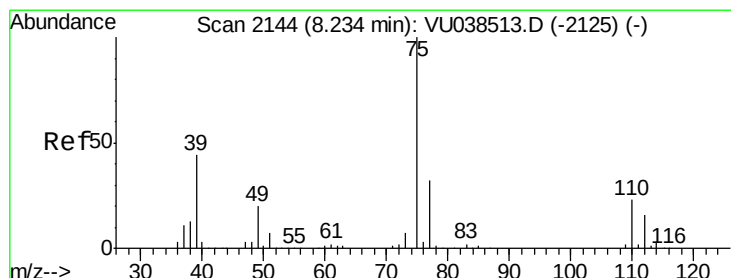
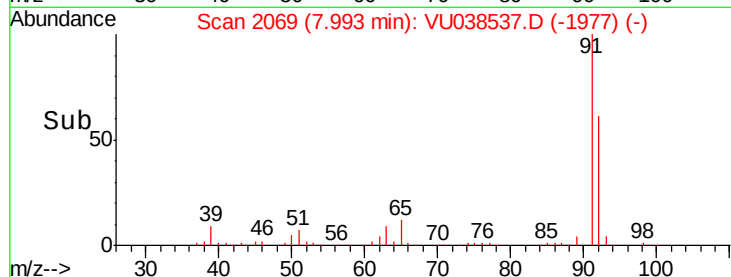
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.442 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038537.D

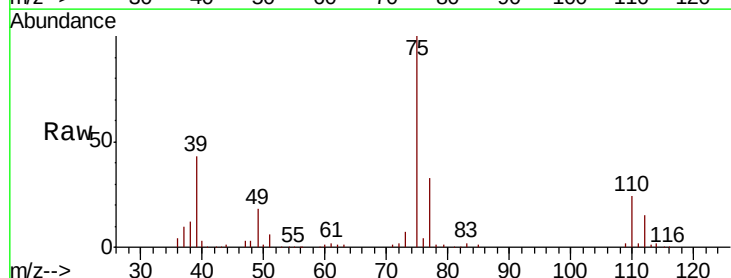
Acq: 04 Jun 2020 00:21

Tgt Ion: 75 Resp: 123541

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038513.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038513.D (-2125) (-)

8.23

80000

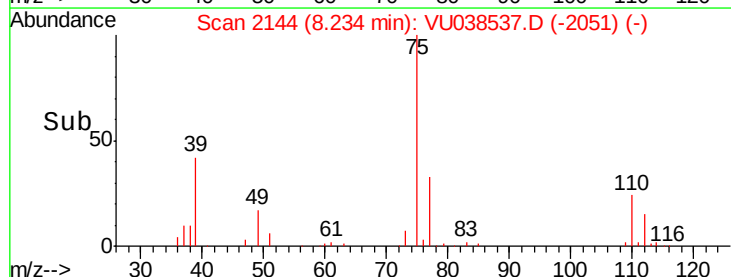
60000

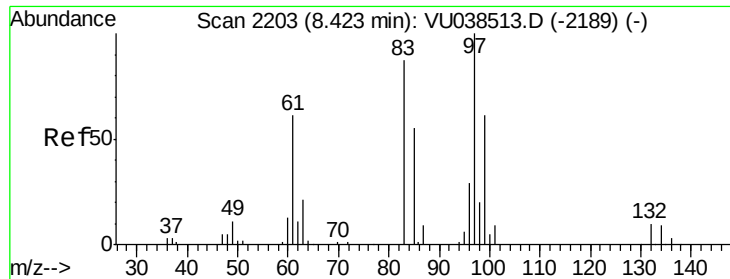
40000

20000

0

Time-->

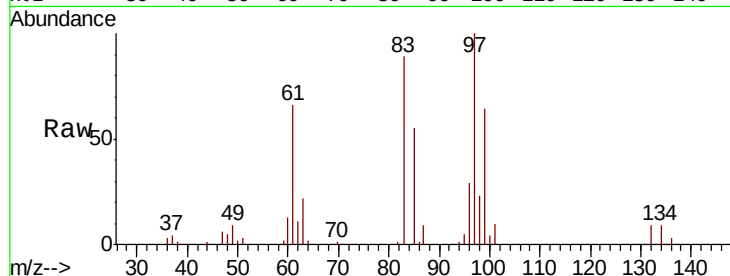




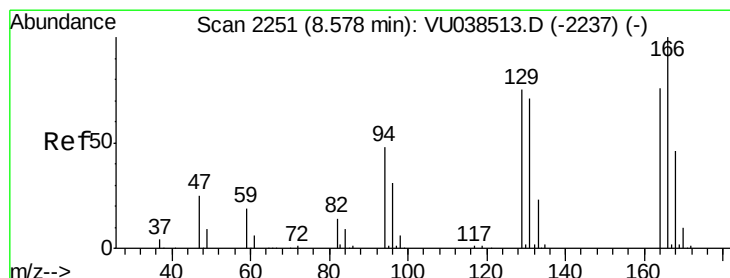
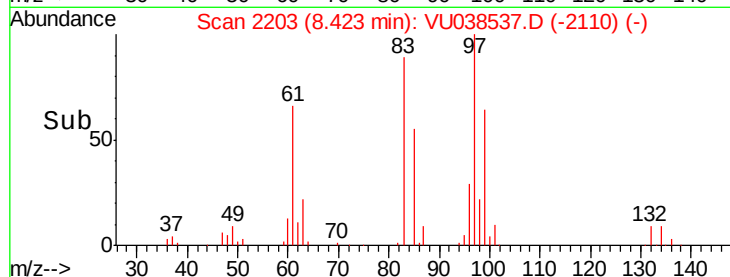
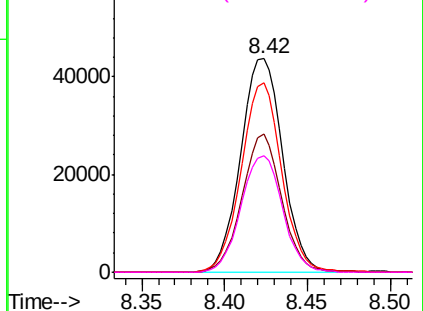
#45
1,1,2-Trichloroethane
Concen: 4.804 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:	97	Resp:	77221
Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.1	78.1
83	88.7	58.8	109.2
85	54.7	37.4	69.4

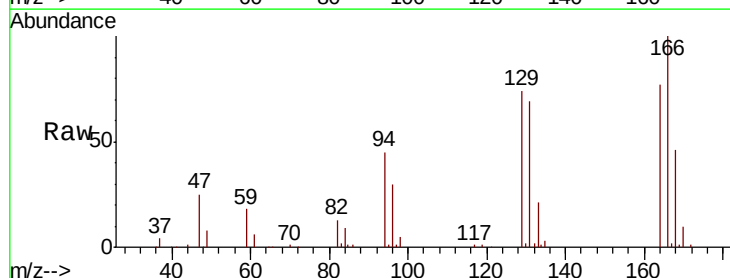


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

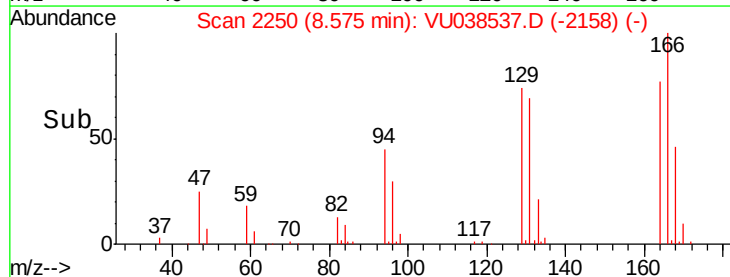
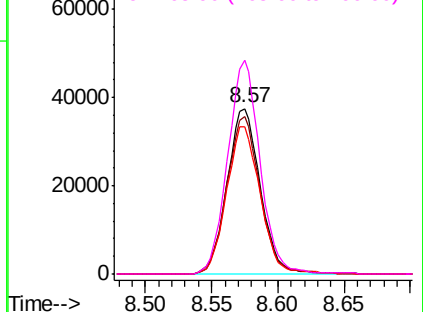


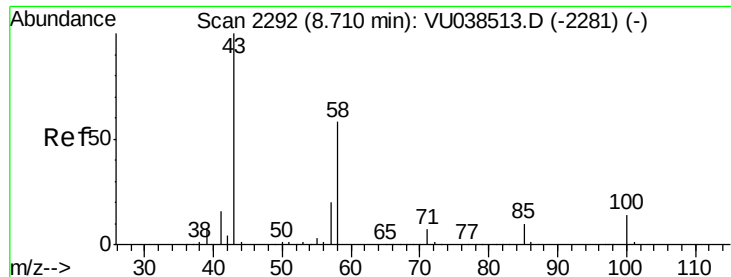
#47
Tetrachloroethene
Concen: 4.055 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Tgt Ion:	164	Resp:	64757
Ion	Ratio	Lower	Upper
164	100		
129	95.6	67.4	125.2
131	89.2	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

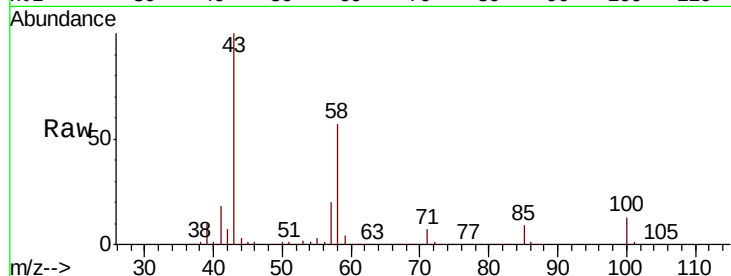




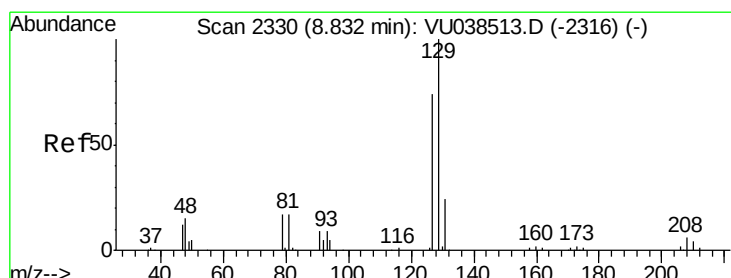
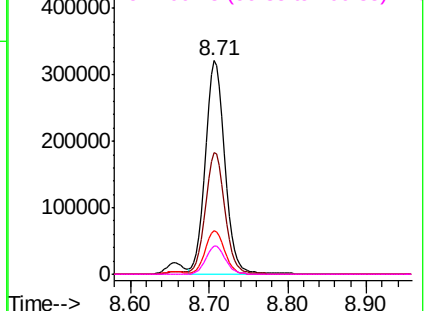
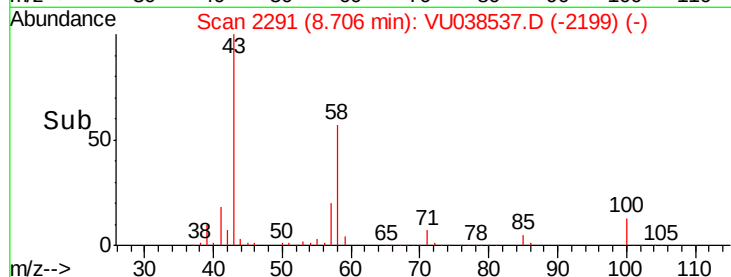
#48
2-Hexanone
Concen: 47.565 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 43 Resp: 548925
Ion Ratio Lower Upper
43 100
58 56.9 45.4 68.0
57 20.4 15.9 23.9
100 13.2 10.5 15.7

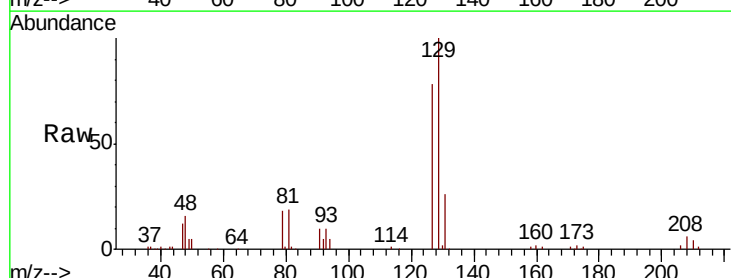


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

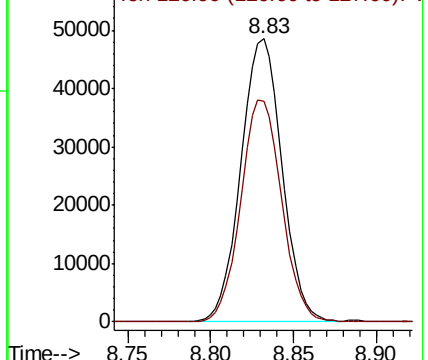
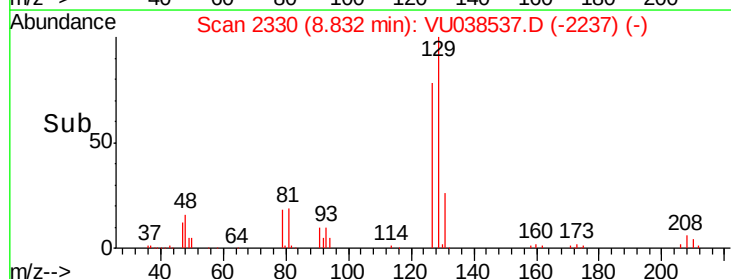


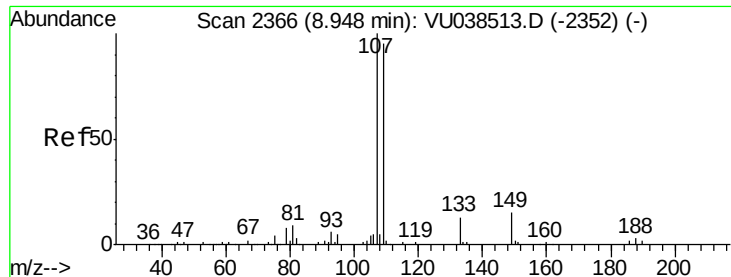
#49
Dibromochloromethane
Concen: 4.825 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Tgt Ion: 129 Resp: 83716
Ion Ratio Lower Upper
129 100
127 78.2 53.3 99.1



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

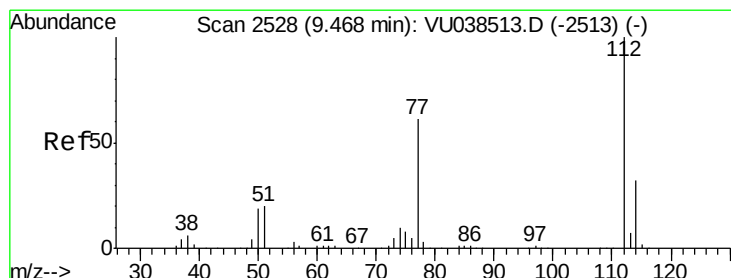
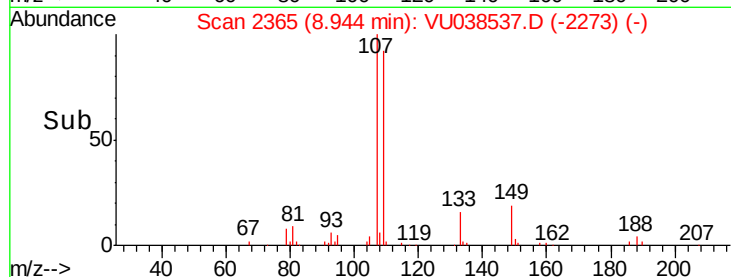
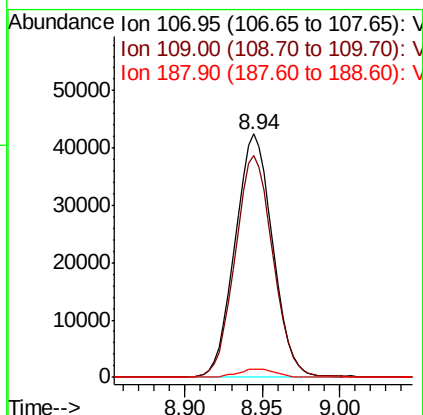
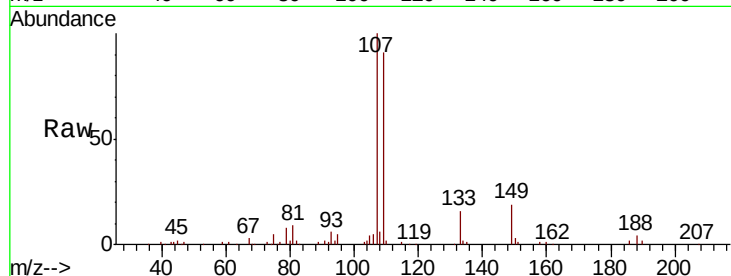




#50
 1,2-Dibromoethane
 Concen: 4.655 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

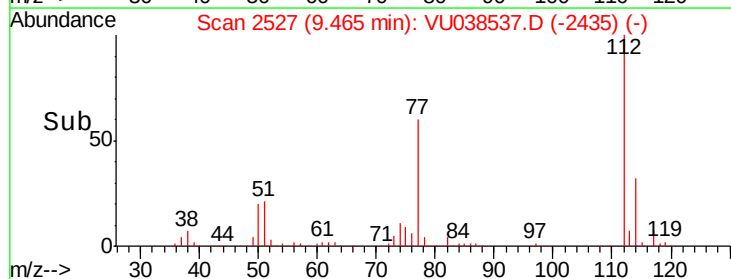
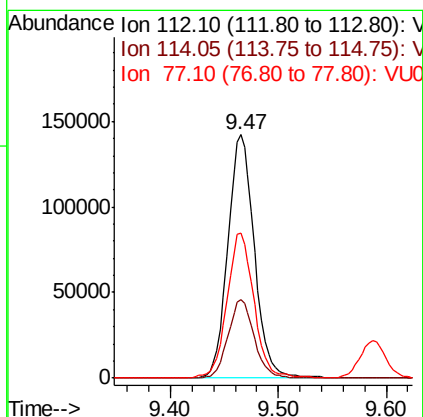
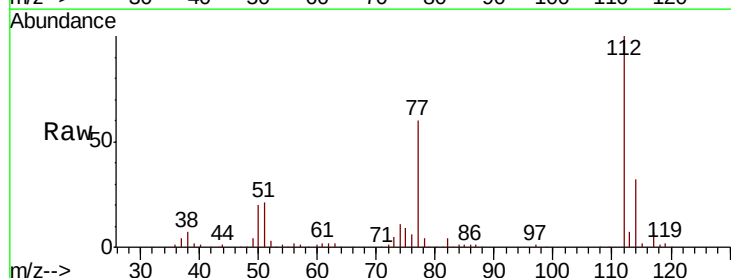
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

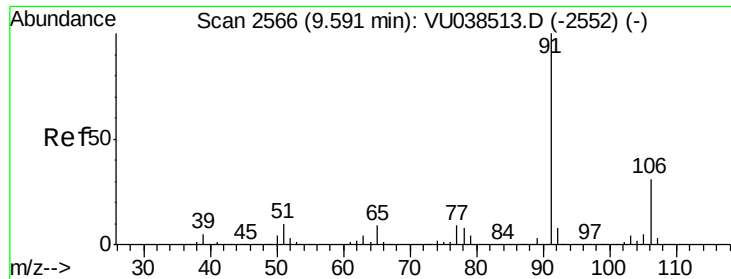
Tot Ion:107 Resp: 71657
 Ion Ratio Lower Upper
 107 100
 109 91.3 67.0 124.4
 188 3.6 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.262 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Tgt Ion:112 Resp: 244121
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.4 41.6
 77 59.5 47.1 70.7





#52

Ethylbenzene

Concen: 4.017 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

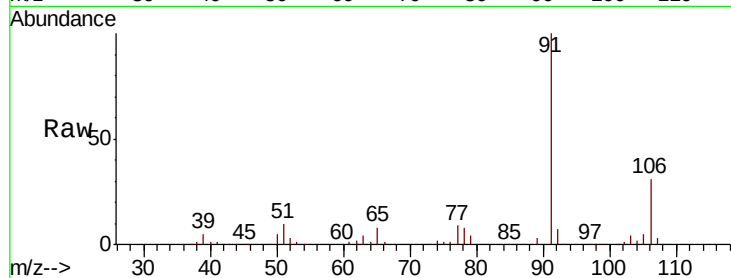
VSTD00508

Tot Ion: 91 Resp: 396929

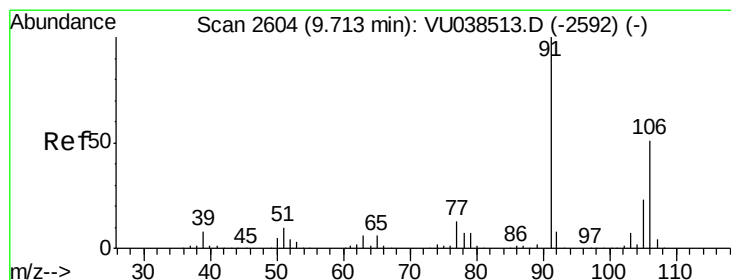
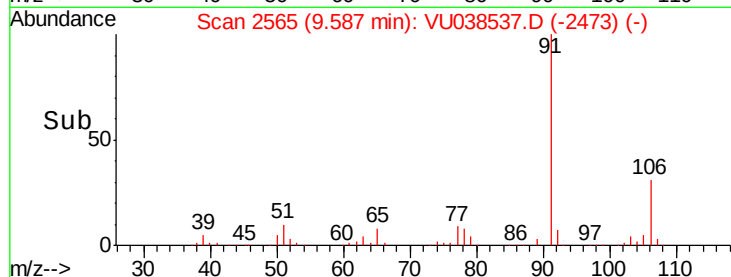
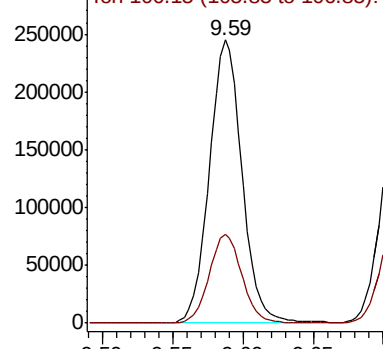
Ion Ratio Lower Upper

91 100

106 31.5 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038513.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.056 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038537.D

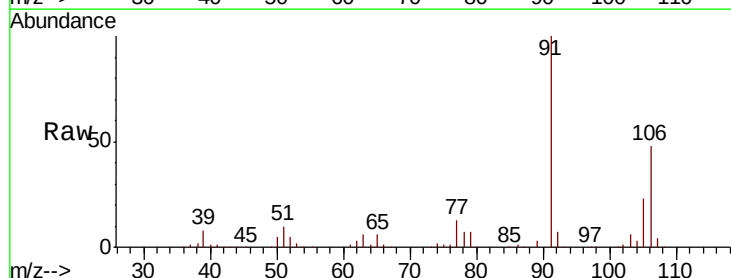
Acq: 04 Jun 2020 00:21

Tgt Ion: 106 Resp: 154134

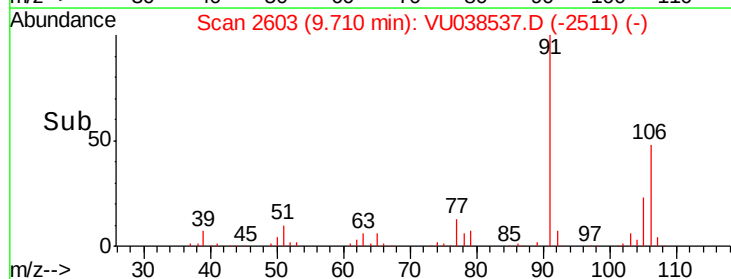
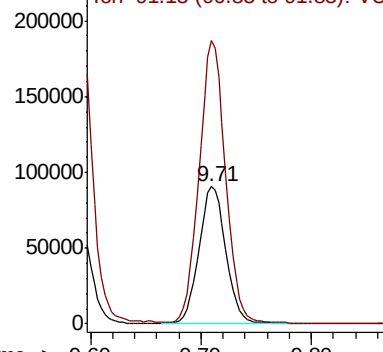
Ion Ratio Lower Upper

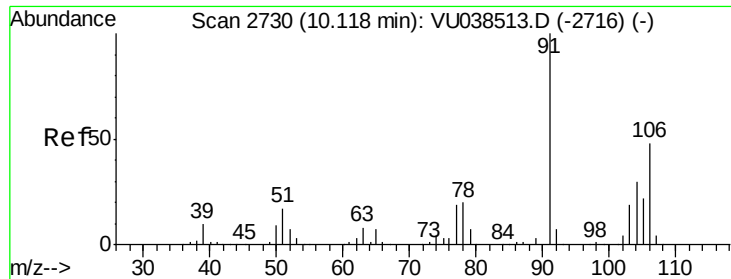
106 100

91 206.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038513.D (-2592) (-)

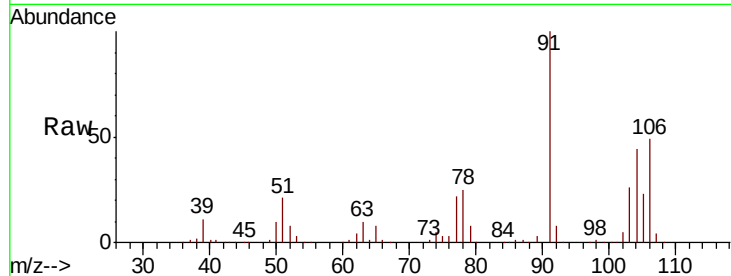




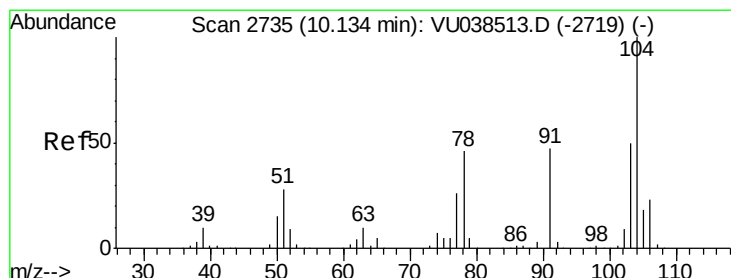
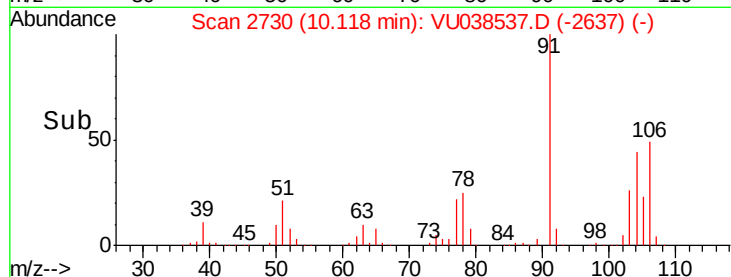
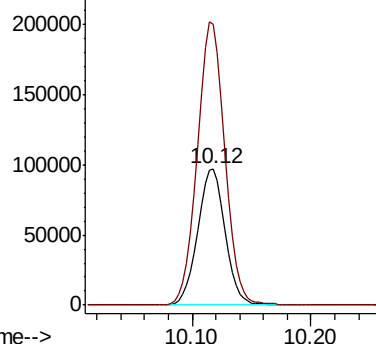
#54
o-Xylene
Concen: 4.253 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:106 Resp: 155159
Ion Ratio Lower Upper
106 100
91 205.6 150.6 279.8

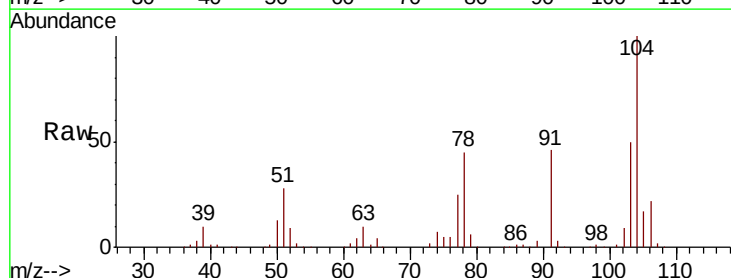


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

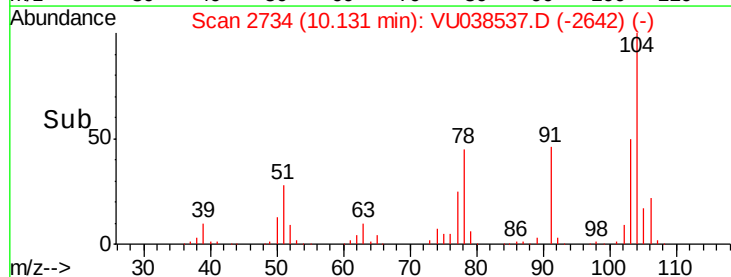
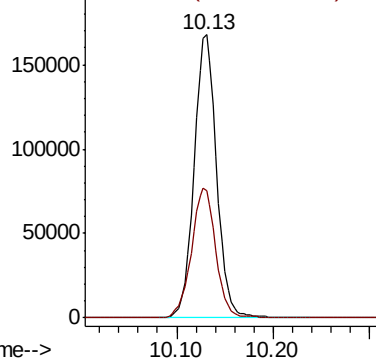


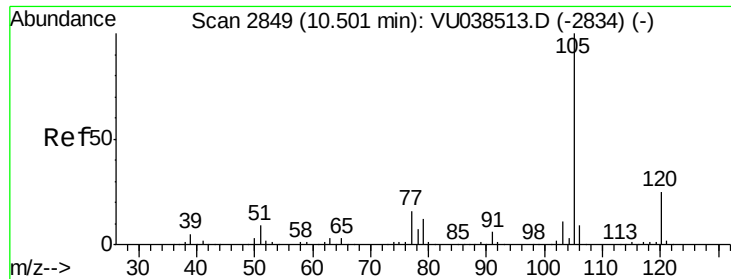
#55
Styrene
Concen: 4.349 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038537.D
Acq: 04 Jun 2020 00:21

Tgt Ion:104 Resp: 269335
Ion Ratio Lower Upper
104 100
78 45.1 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: 4.029 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

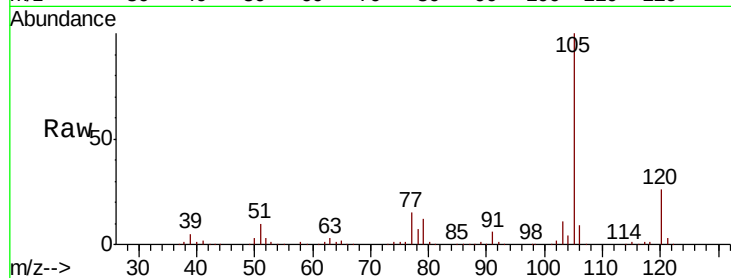
Tot Ion:105 Resp: 386894

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

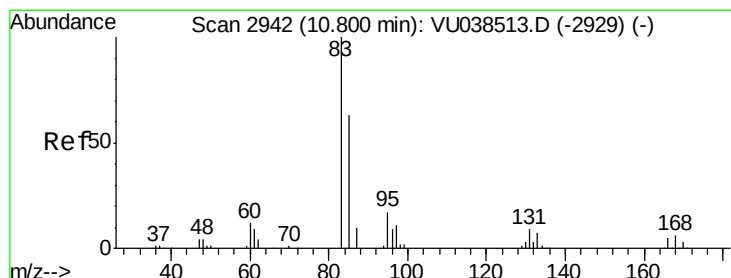
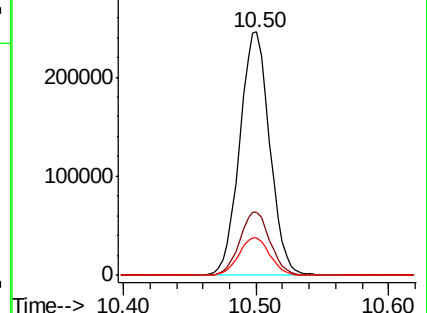
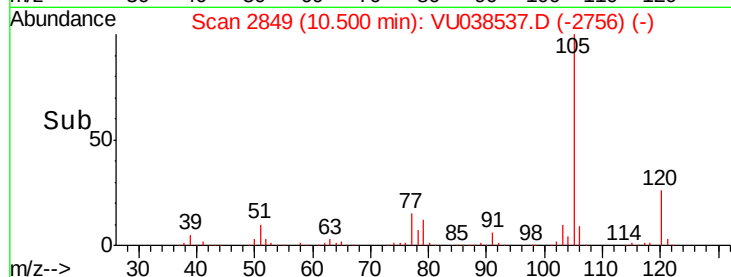
77 16.1 12.5 18.7



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: 4.584 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

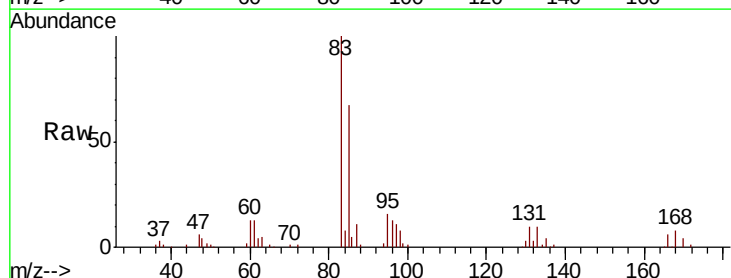
Tgt Ion: 83 Resp: 93653

Ion Ratio Lower Upper

83 100

85 66.8 44.2 82.0

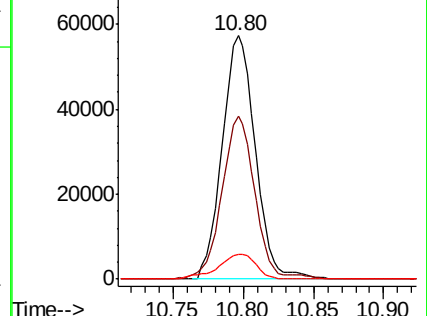
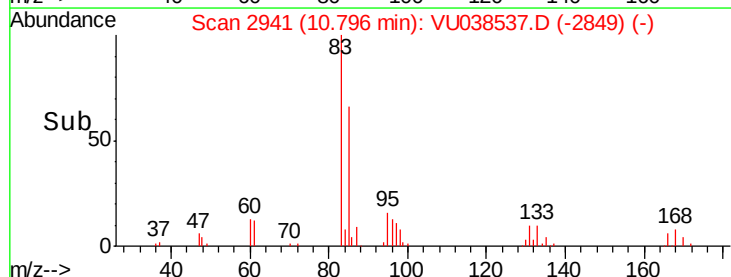
131 10.0 8.1 12.1

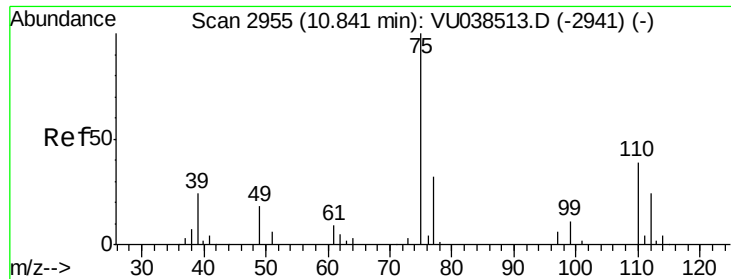


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

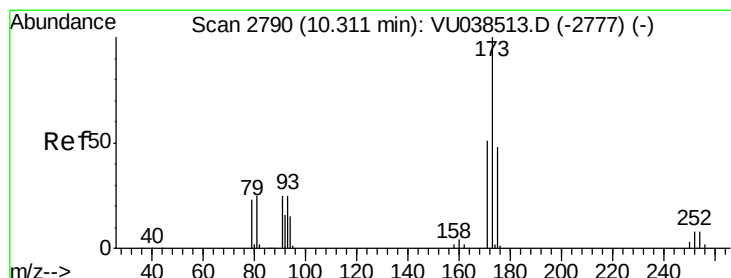
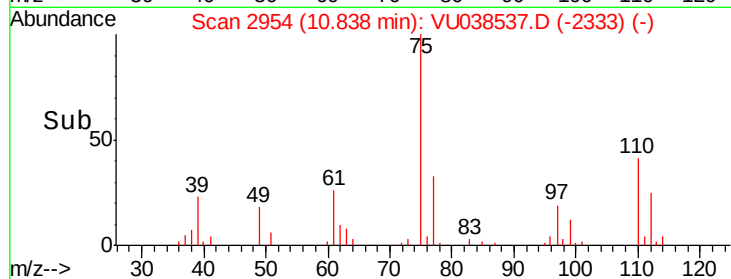
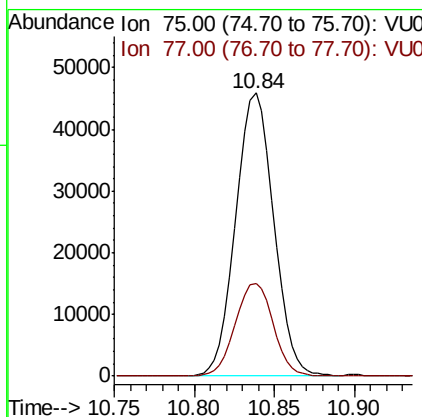
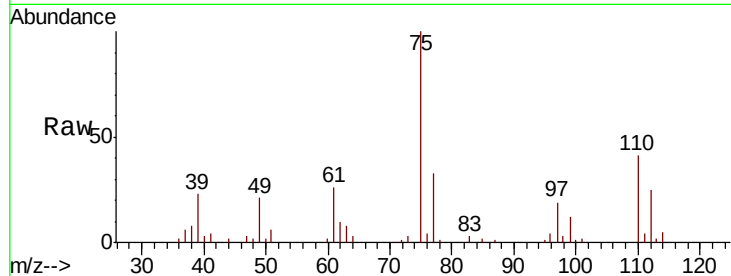




#59
 1,2,3-Trichloropropane
 Concen: 4.682 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

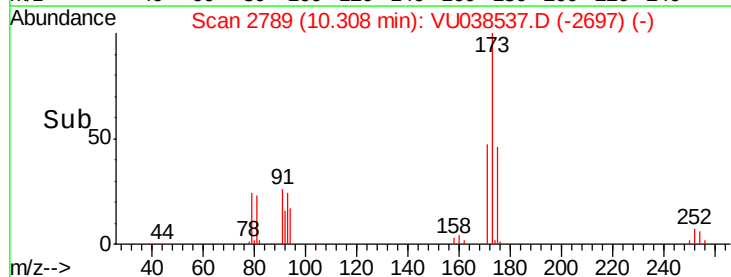
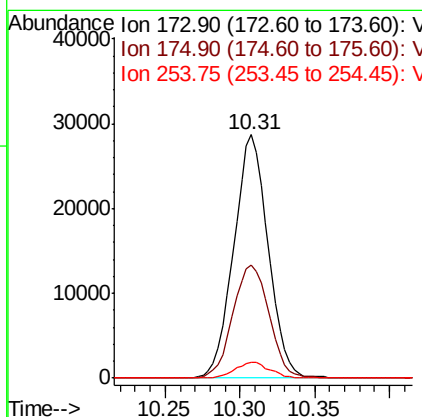
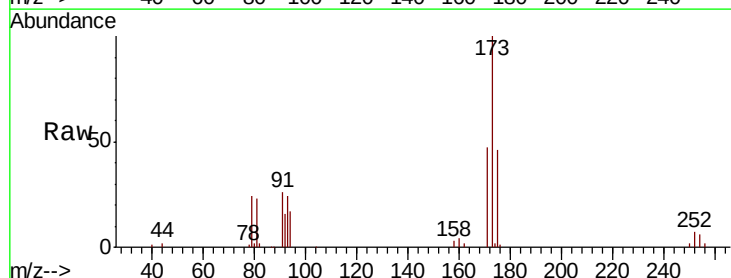
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

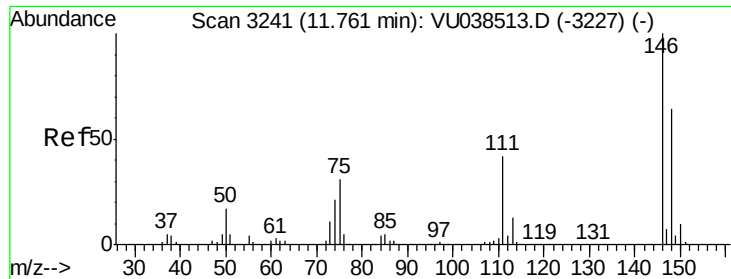
Tot Ion: 75 Resp: 74463
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#61
 Bromoform
 Concen: 4.833 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Tgt Ion: 173 Resp: 45818
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.7 58.1
 254 6.3 5.4 8.2

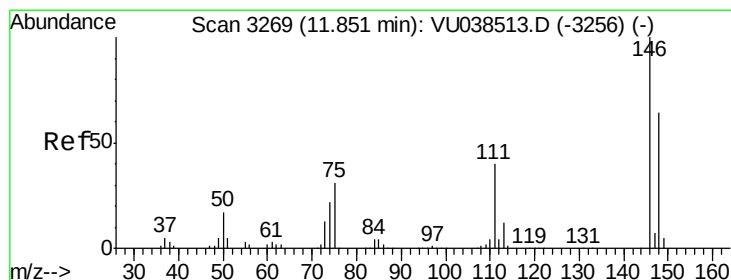
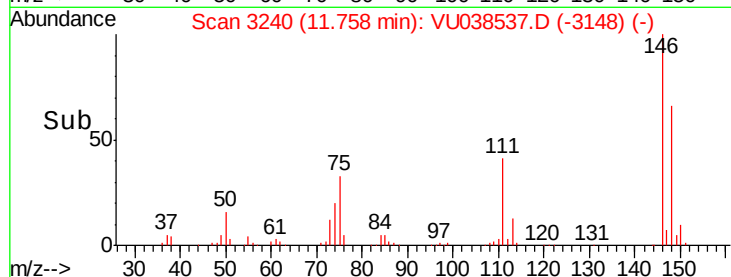
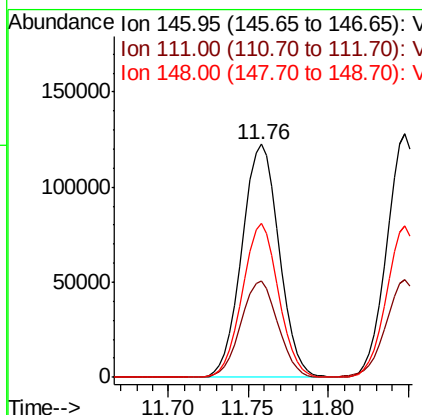
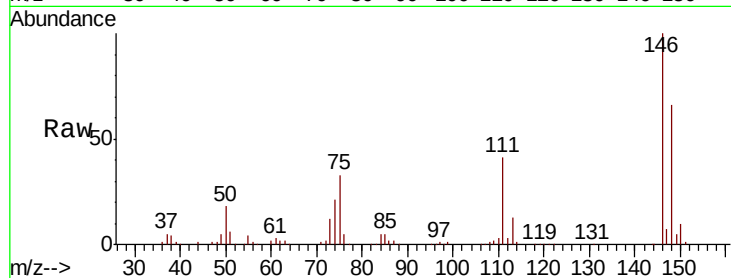




#62
 1,3-Dichlorobenzene
 Concen: 4.334 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

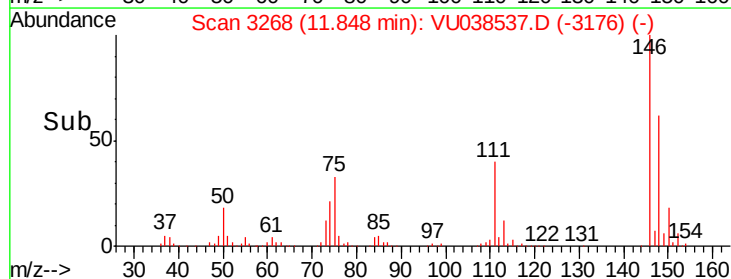
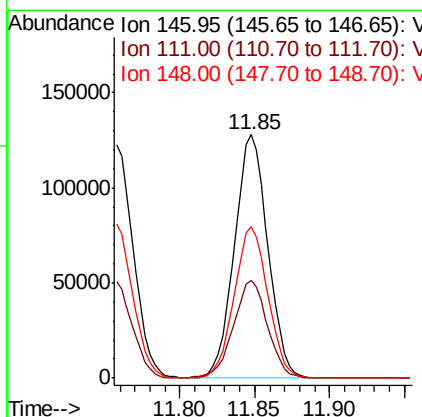
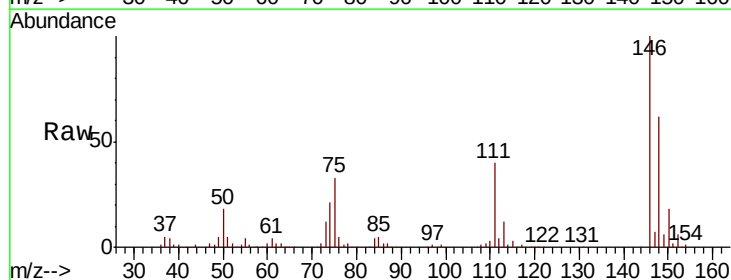
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

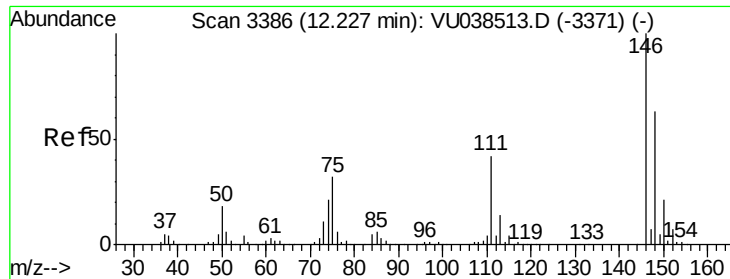
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.5	54.9
148	66.0	45.6	84.6



#63
 1,4-Dichlorobenzene
 Concen: 4.365 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.6	51.2
148	62.2	44.8	83.2

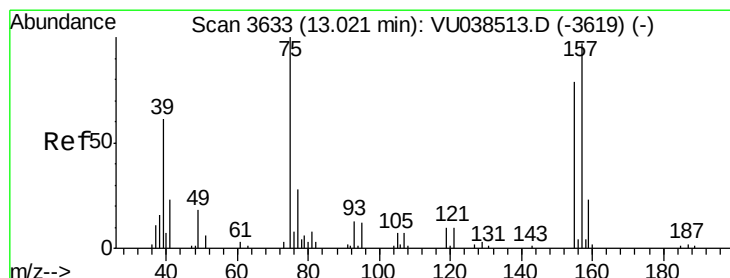
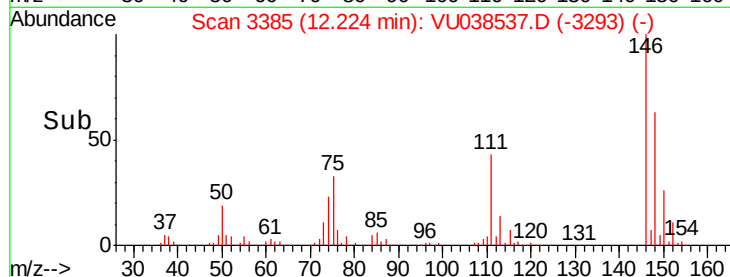
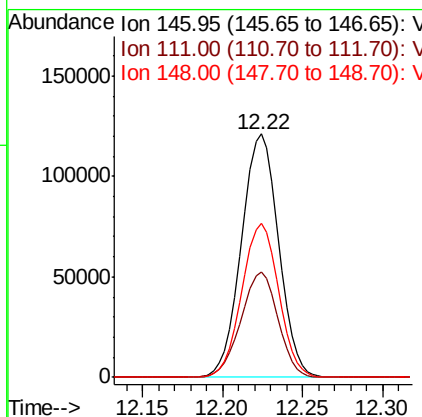
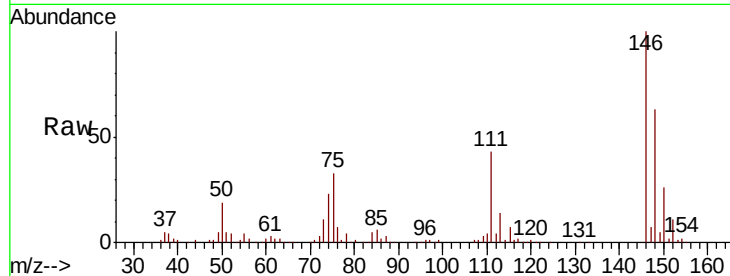




#65
 1,2-Dichlorobenzene
 Concen: 4.507 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

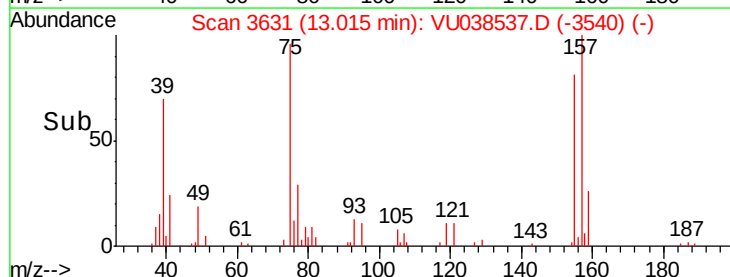
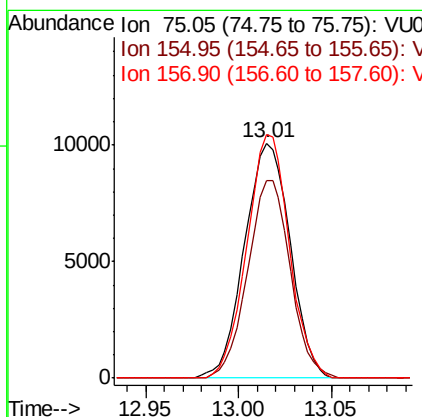
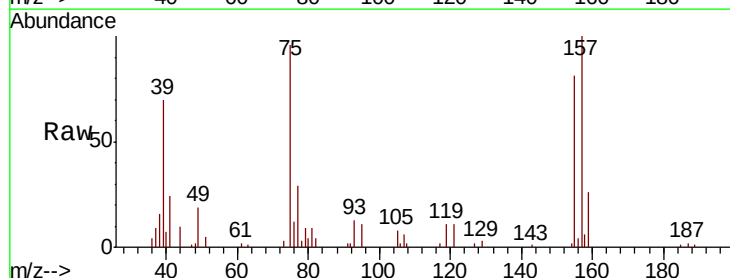
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

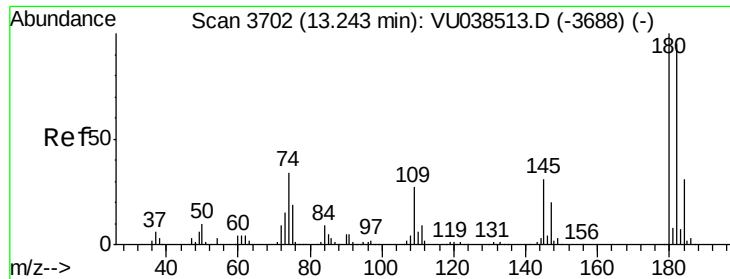
Tot Ion:146 Resp: 191381
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.1 52.7
 148 63.2 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.010 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Tgt Ion: 75 Resp: 17223
 Ion Ratio Lower Upper
 75 100
 155 84.3 59.6 89.4
 157 103.7 79.8 119.6

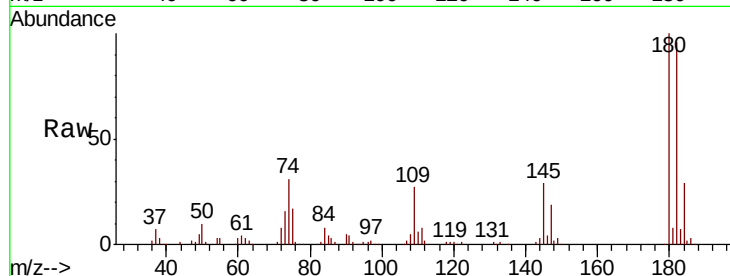




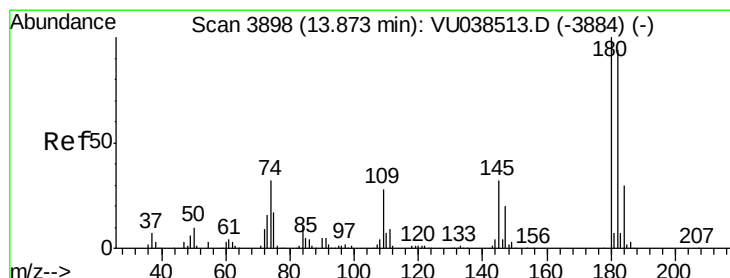
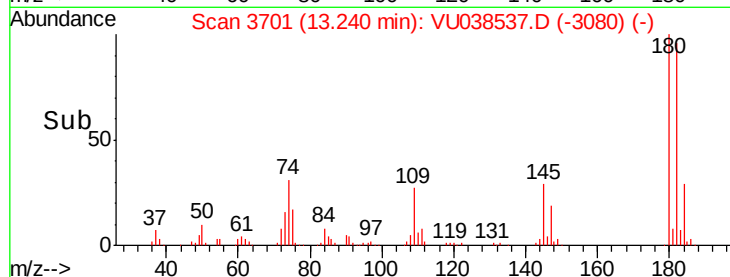
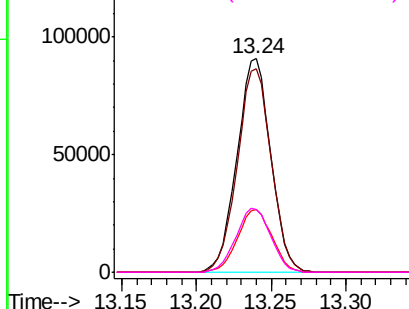
#67
 1,3,5-Trichlorobenzene
 Concen: 4.267 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion:180 Resp: 142352
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.8 115.2
 184 29.9 25.1 37.7
 145 30.9 24.6 37.0

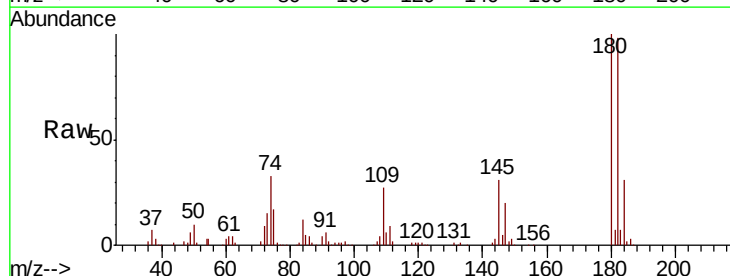


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

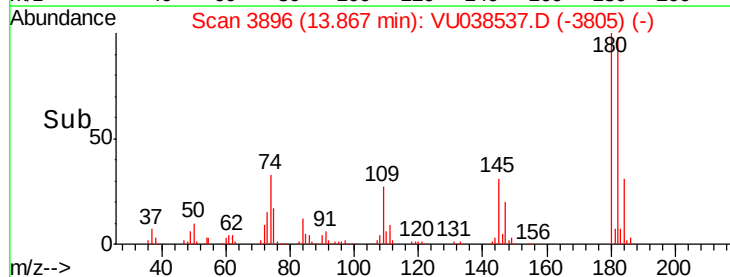
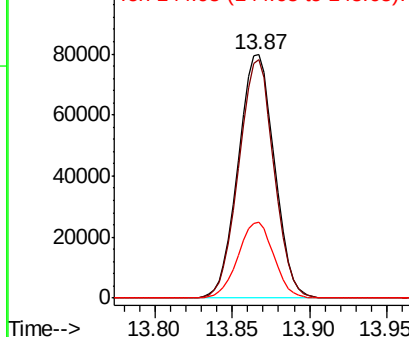


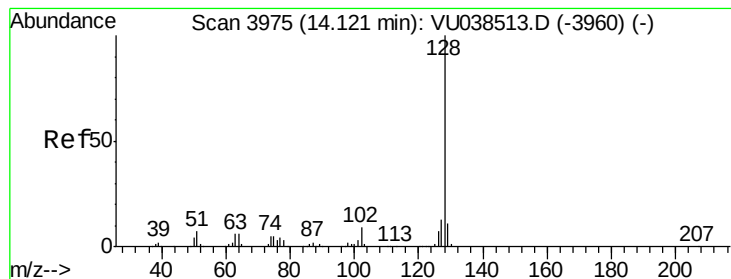
#68
 1,2,4-trichlorobenzene
 Concen: 4.213 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038537.D
 Acq: 04 Jun 2020 00:21

Tgt Ion:180 Resp: 130095
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.8
 145 30.6 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: 4.424 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

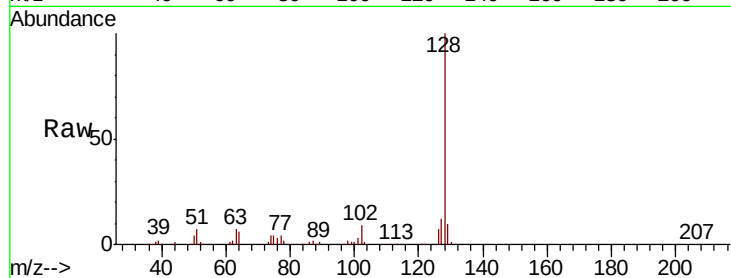
Tot Ion:128 Resp: 271861

Ion Ratio Lower Upper

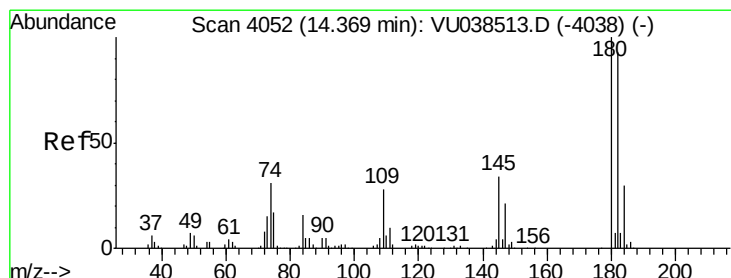
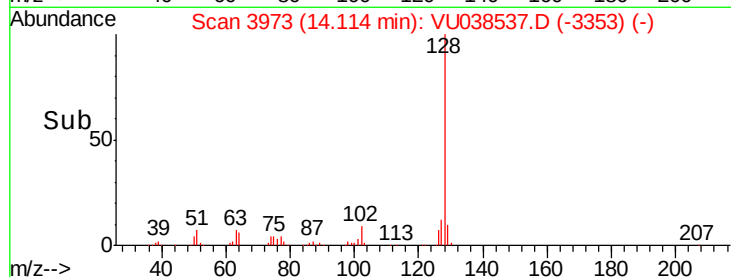
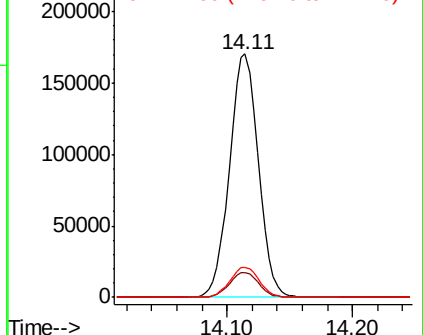
128 100

129 10.5 8.9 13.3

127 12.6 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: 4.469 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038537.D

Acq: 04 Jun 2020 00:21

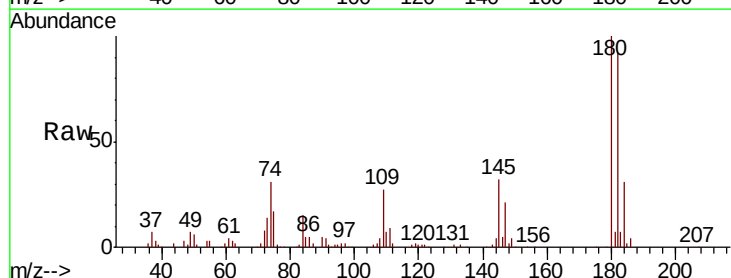
Tgt Ion:180 Resp: 125570

Ion Ratio Lower Upper

180 100

182 93.8 78.7 118.1

145 32.7 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

