

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061820\
 Data File : VU038982.D
 Acq On : 18 Jun 2020 20:42
 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 19 01:22:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 19 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	326304	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	319282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	164822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	80791	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.93	69	77325	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.59	63	182608	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.67	46	328312	45.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.58%
24) Chloroform-d	5.10	84	187617	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.74	65	104920	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	5.76	84	347323	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.72	67	137644	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.92	98	308528	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.20	79	47451	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.65	63	269444	43.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108639	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	124660	4.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	128446	4.173	ug/L 98
3) Chloromethane	1.53	50	115937	3.788	ug/L 100
5) Vinyl chloride	1.62	62	124479	4.062	ug/L 99
6) Bromomethane	1.88	94	43602	2.504	ug/L 96
8) Chloroethane	1.95	64	89993	4.626	ug/L 99
9) Trichlorofluoromethane	2.16	101	223855	4.807	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	102984	4.300	ug/L 98
12) 1,1-Dichloroethene	2.61	96	100641	4.386	ug/L 98
13) Acetone	2.67	43	216959	43.913	ug/L 98
14) Carbon disulfide	2.82	76	329122	4.250	ug/L 100
15) Methyl Acetate	2.99	43	52881	4.377	ug/L 92
16) Methylene chloride	3.08	84	115590	4.380	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	260730	4.322	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	103385	4.293	ug/L 96
19) 1,1-Dichloroethane	3.91	63	194369	4.446	ug/L 99
21) 2-Butanone	4.75	43	358273	45.841	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	112082	4.532	ug/L 98

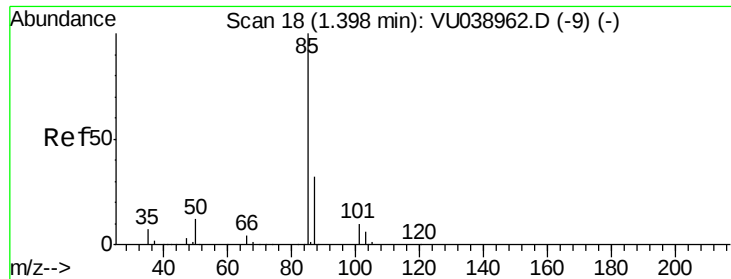
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061820\
 Data File : VU038982.D
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	52067	4.444	ug/L	98
25) Chloroform	5.13	83	196450	4.412	ug/L	99
27) 1,2-Dichloroethane	5.83	62	144438	4.457	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	179093	4.521	ug/L	99
30) Cyclohexane	5.42	56	167006	4.444	ug/L	98
31) Carbon tetrachloride	5.56	117	150144	4.300	ug/L	99
33) Benzene	5.81	78	438098	4.593	ug/L	100
34) Trichloroethene	6.57	95	129218	5.340	ug/L	97
35) Methylcyclohexane	6.79	83	184651	4.813	ug/L	96
37) 1,2-Dichloropropane	6.82	63	130138	5.225	ug/L	99
38) Bromodichloromethane	7.13	83	144612	4.465	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	164743	4.502	ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	815262	47.503	ug/L	99
42) Toluene	7.99	91	457333	4.630	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	149687	4.449	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	86325	4.669	ug/L	98
47) Tetrachloroethene	8.57	164	82340	4.391	ug/L	99
48) 2-Hexanone	8.71	43	629327	48.404	ug/L	100
49) Dibromochloromethane	8.83	129	99250	4.482	ug/L	98
50) 1,2-Dibromoethane	8.94	107	82121	4.442	ug/L	97
51) Chlorobenzene	9.47	112	286078	4.455	ug/L	97
52) Ethylbenzene	9.59	91	485645	4.545	ug/L	100
53) m,p-Xylene	9.71	106	188112	4.562	ug/L	95
54) o-Xylene	10.12	106	179902	4.554	ug/L	96
55) Styrene	10.13	104	321567	4.724	ug/L	99
56) Isopropylbenzene	10.50	105	477994	4.546	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	112109	4.392	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	83390	4.341	ug/L	97
61) Bromoform	10.31	173	57089	4.280	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	235178	4.589	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	240078	4.551	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	226144	4.470	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	22823	4.474	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	188892	4.526	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	169204	4.490	ug/L	100
69) Naphthalene	14.11	128	291798	4.006	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	149449	4.281	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.173 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampled :

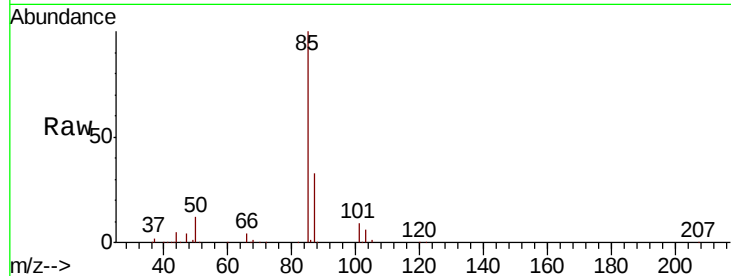
VSTD00508

Tot Ion: 85 Resp: 128446

Ion Ratio Lower Upper

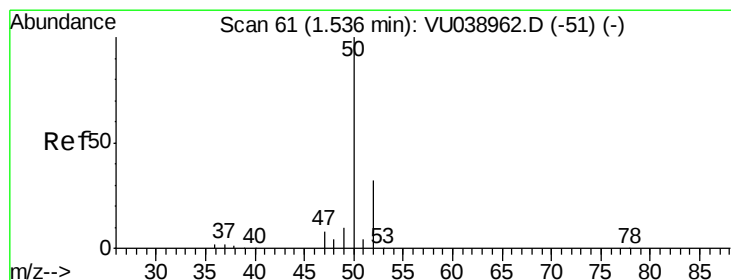
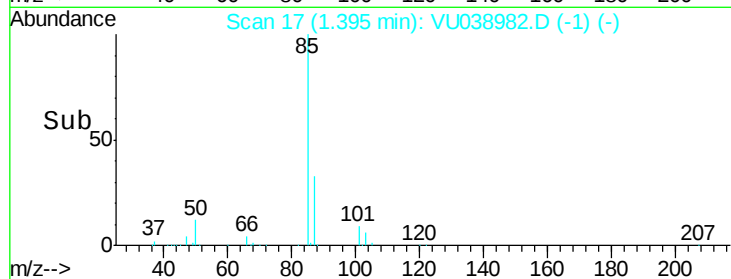
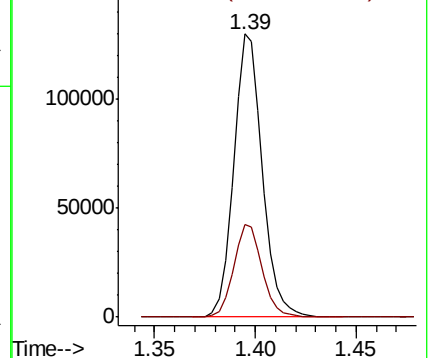
85 100

87 32.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU038982.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038982.D (-1) (-)



#3

Chloromethane

Concen: 3.788 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038982.D

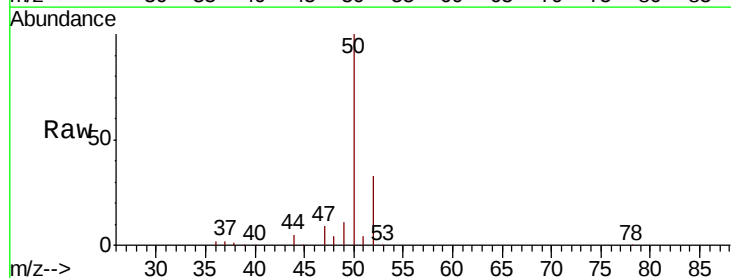
Acq: 18 Jun 2020 20:42

Tgt Ion: 50 Resp: 115937

Ion Ratio Lower Upper

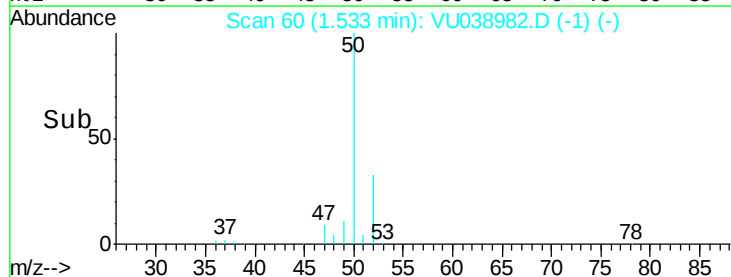
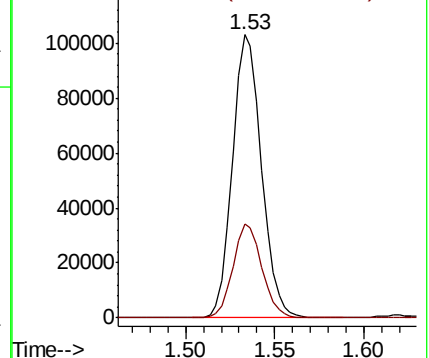
50 100

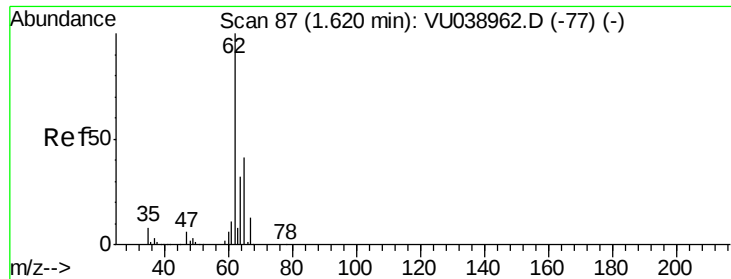
52 33.0 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU038982.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038982.D (-1) (-)





#5

Vinyl chloride

Concen: 4.062 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

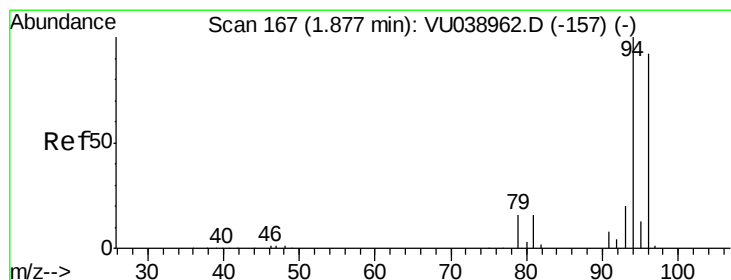
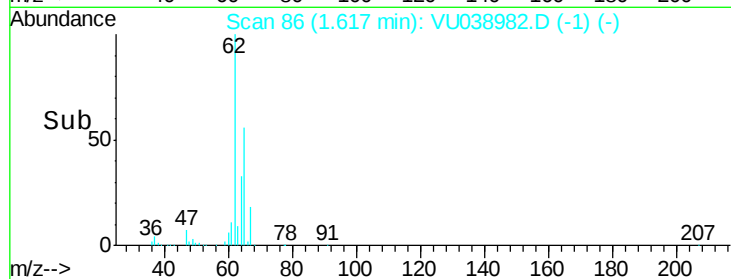
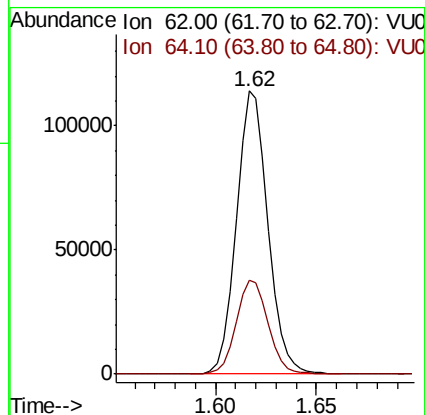
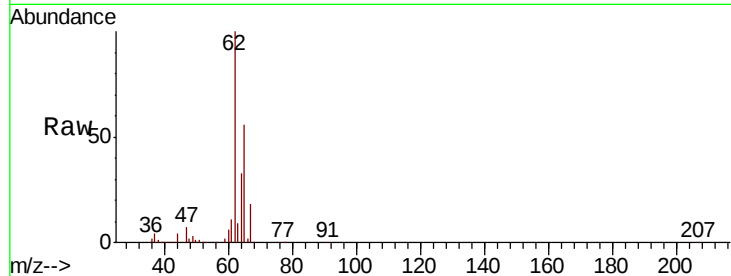
VSTD00508

Tot Ion: 62 Resp: 124479

Ion Ratio Lower Upper

62 100

64 33.4 23.1 42.9



#6

Bromomethane

Concen: 2.504 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038982.D

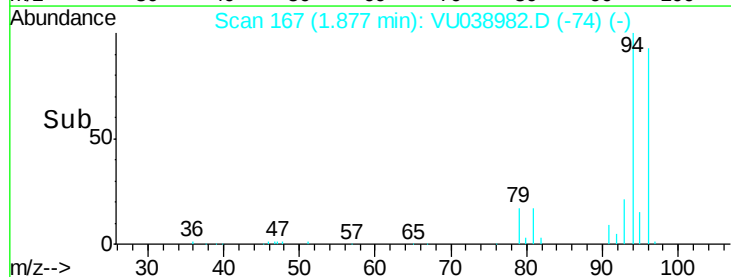
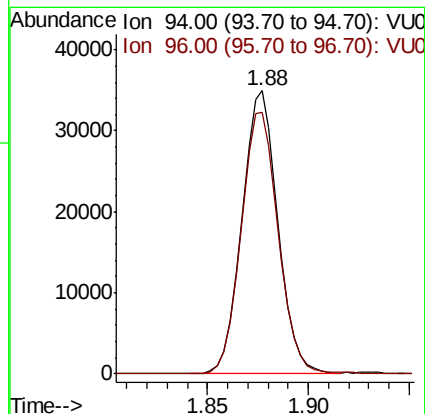
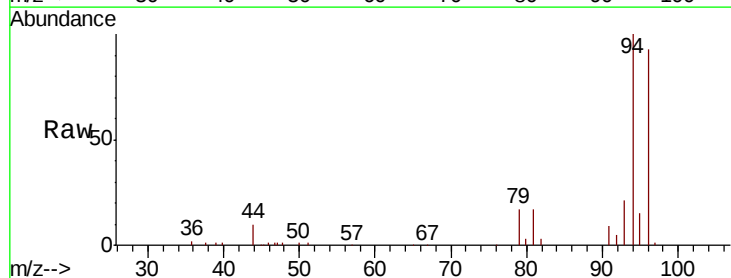
Acq: 18 Jun 2020 20:42

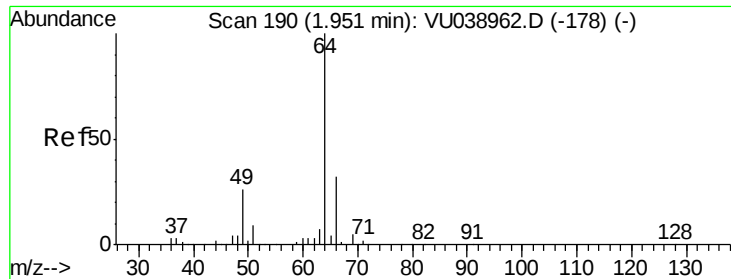
Tgt Ion: 94 Resp: 43602

Ion Ratio Lower Upper

94 100

96 92.6 62.3 115.7

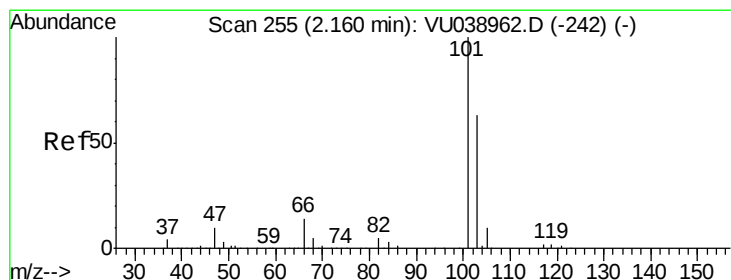
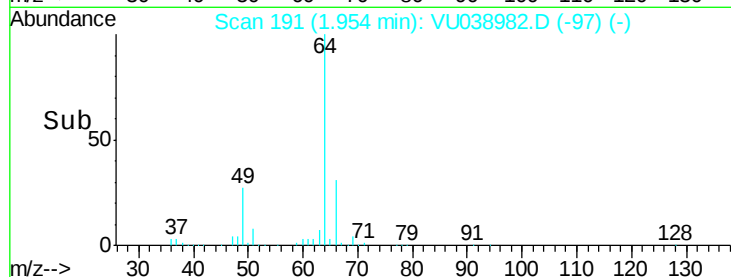
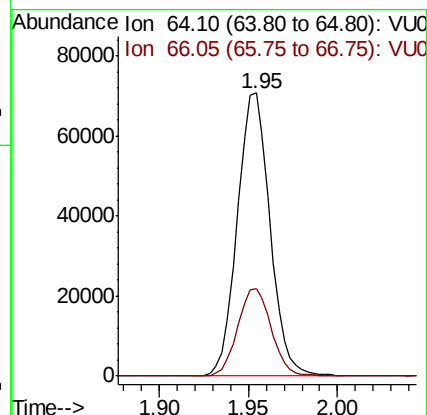
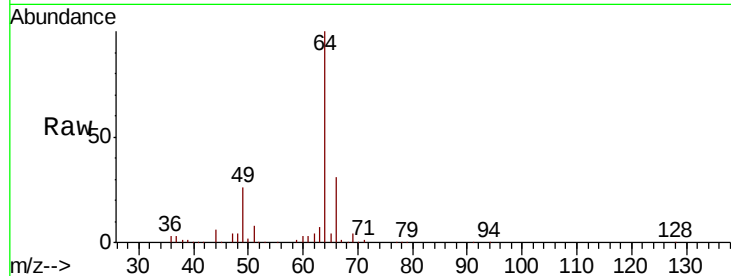




#8
Chloroethane
Concen: 4.626 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

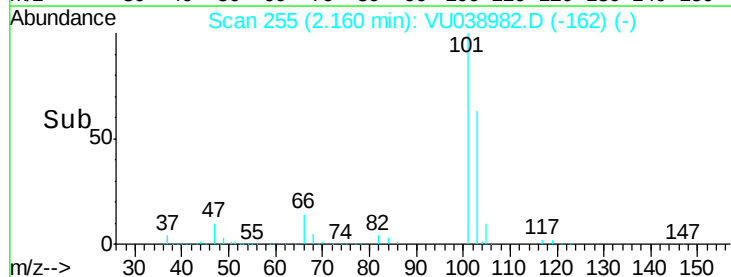
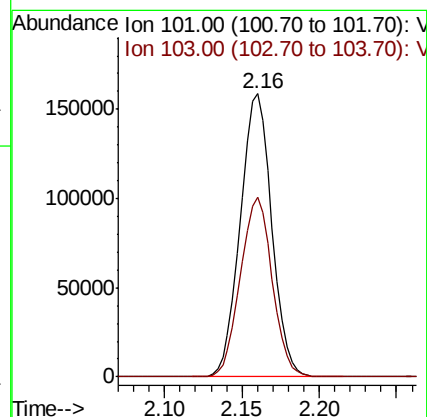
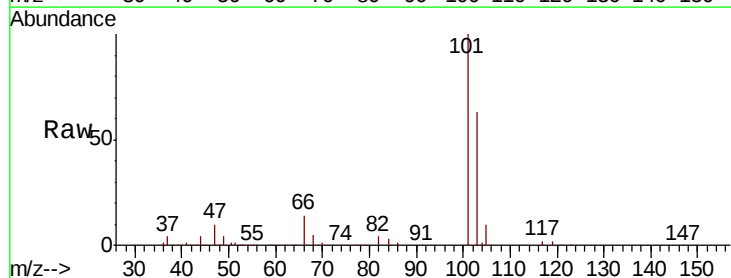
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

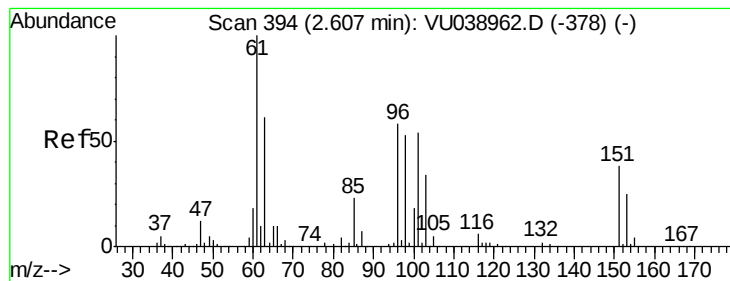
Tot Ion: 64 Resp: 89993
Ion Ratio Lower Upper
64 100
66 31.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.807 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion: 101 Resp: 223855
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 4.300 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

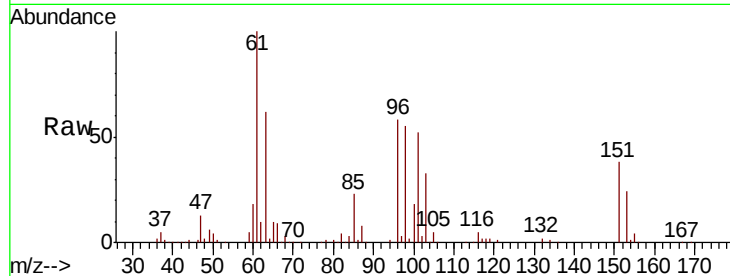
Tot Ion:101 Resp: 102984

Ion Ratio Lower Upper

101 100

85 43.1 35.7 53.5

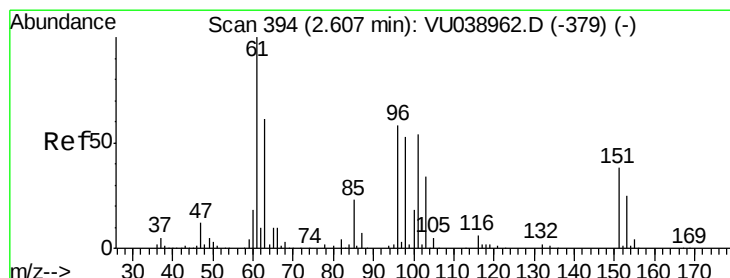
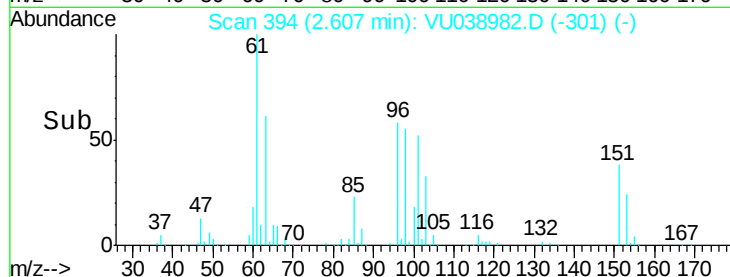
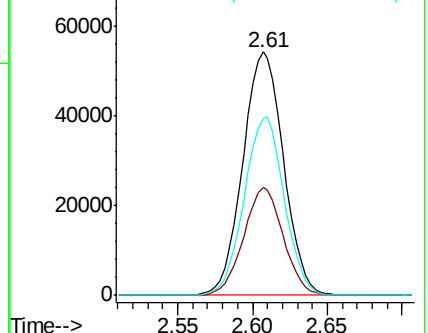
151 71.9 58.5 87.7



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: 4.386 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

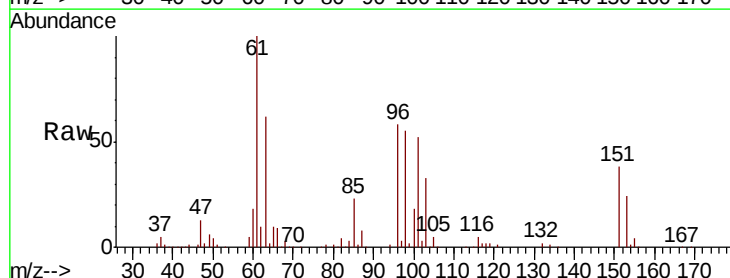
Tgt Ion: 96 Resp: 100641

Ion Ratio Lower Upper

96 100

61 171.9 120.3 223.5

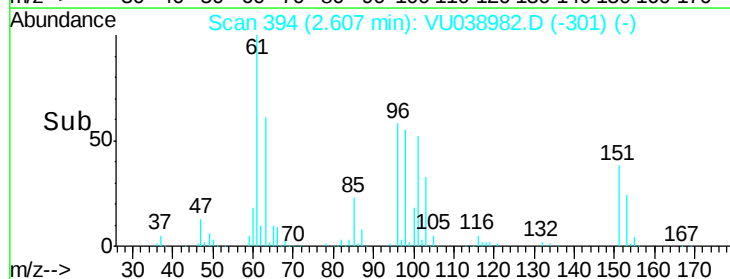
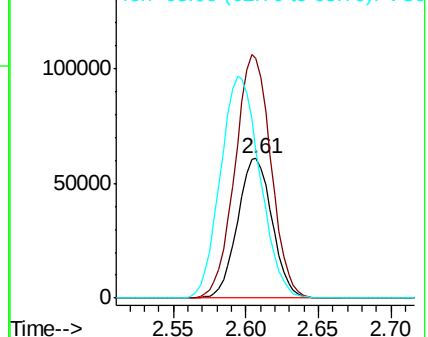
63 105.8 78.7 146.1

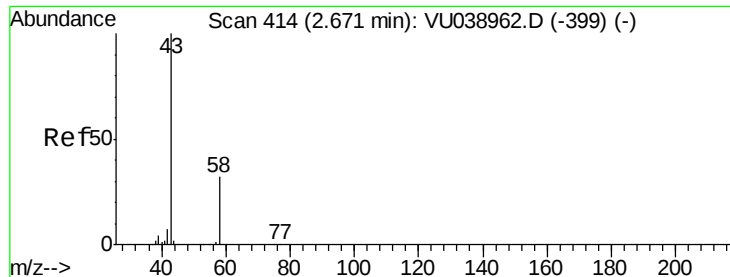


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.913 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

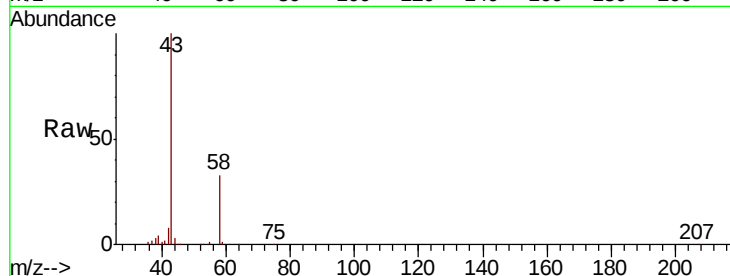
VSTD00508

Tot Ion: 43 Resp: 216959

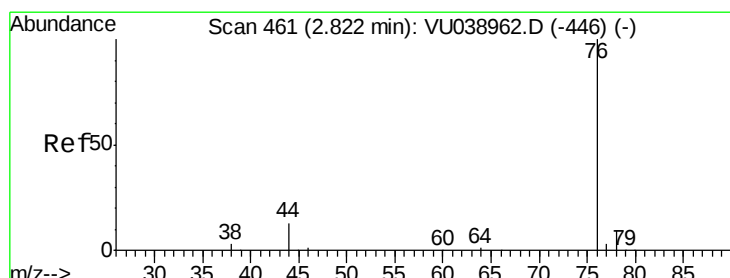
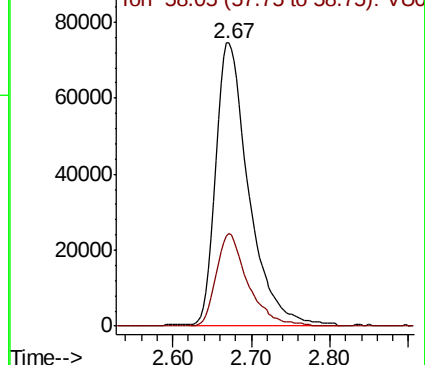
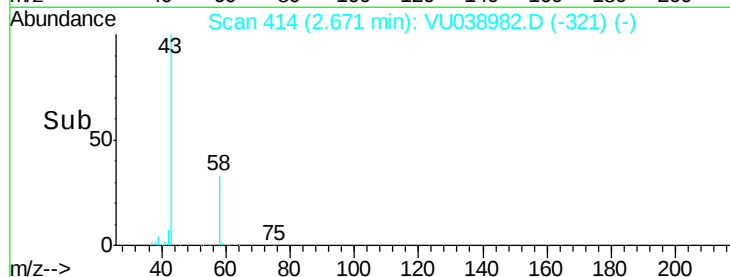
Ion Ratio Lower Upper

43 100

58 31.4 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU038982.D (-321) (-)



#14

Carbon disulfide

Concen: 4.250 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038982.D

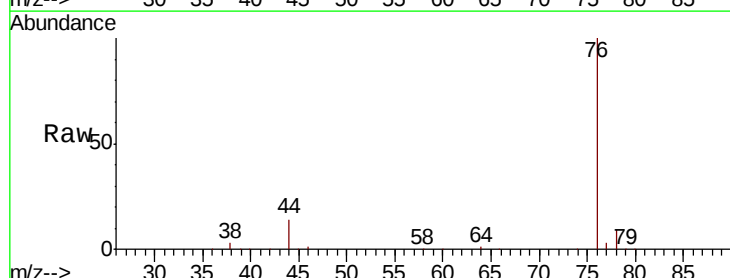
Acq: 18 Jun 2020 20:42

Tgt Ion: 76 Resp: 329122

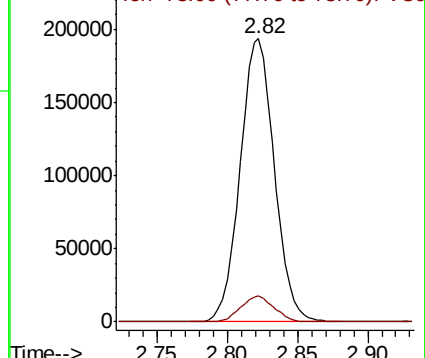
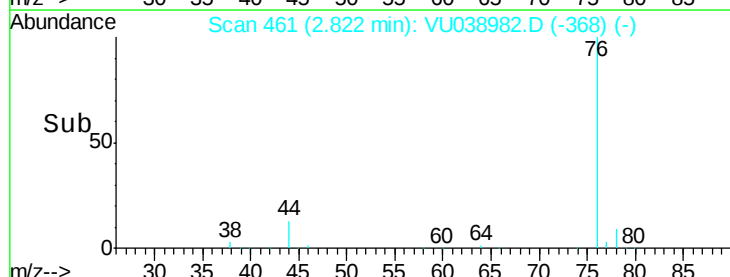
Ion Ratio Lower Upper

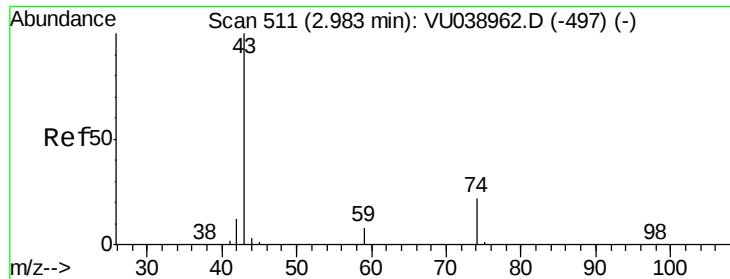
76 100

78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU038982.D (-368) (-)

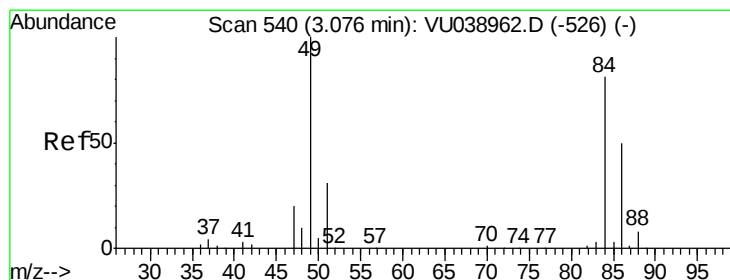
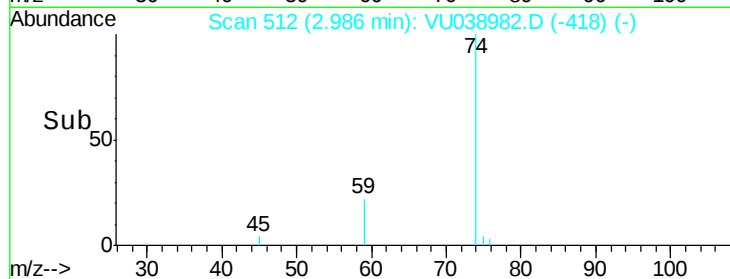
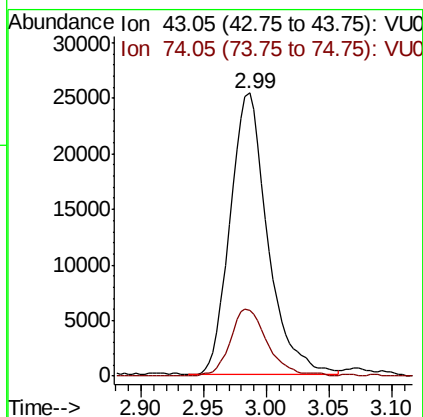
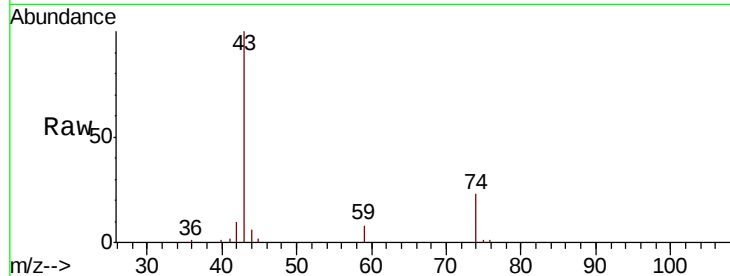




#15
Methyl Acetate
Concen: 4.377 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

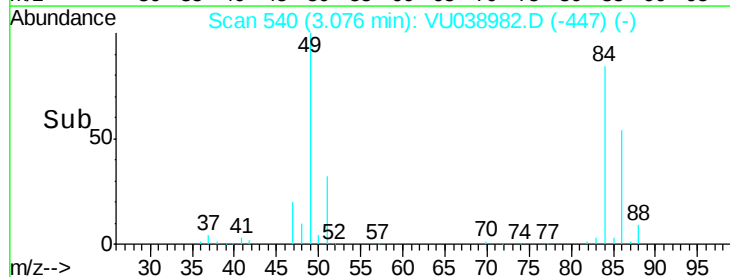
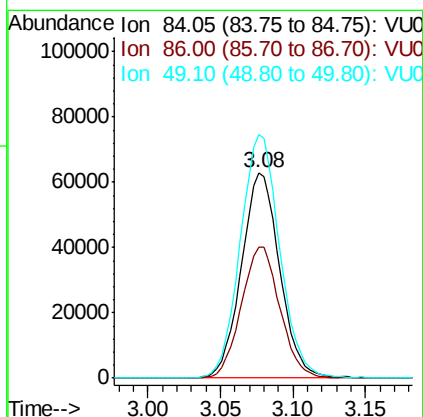
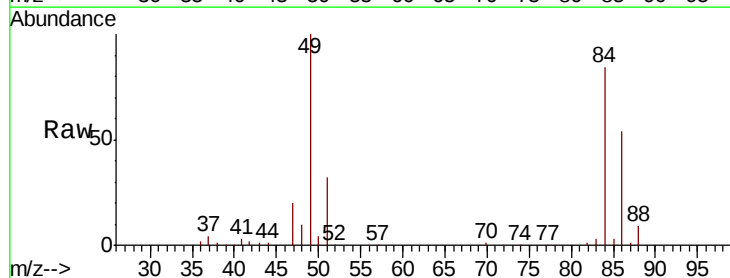
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

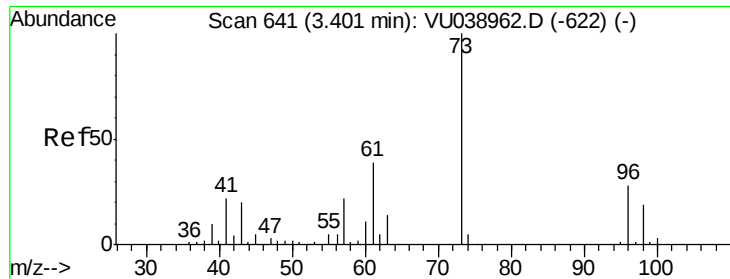
Tot Ion: 43 Resp: 52881
Ion Ratio Lower Upper
43 100
74 23.7 22.2 33.2



#16
Methylene chloride
Concen: 4.380 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion: 84 Resp: 115590
Ion Ratio Lower Upper
84 100
86 63.5 45.1 83.7
49 118.6 83.7 155.4

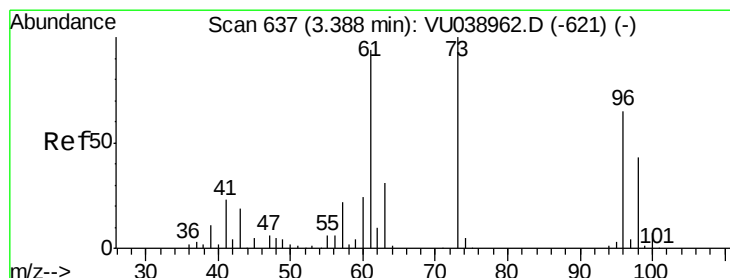
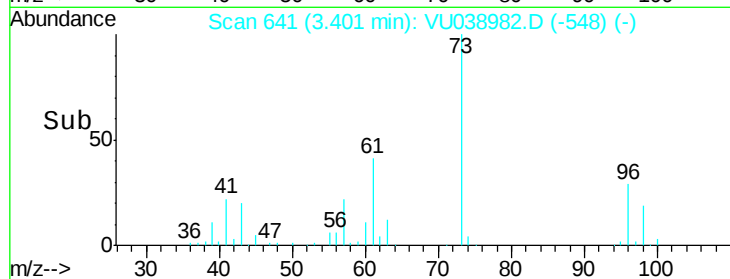
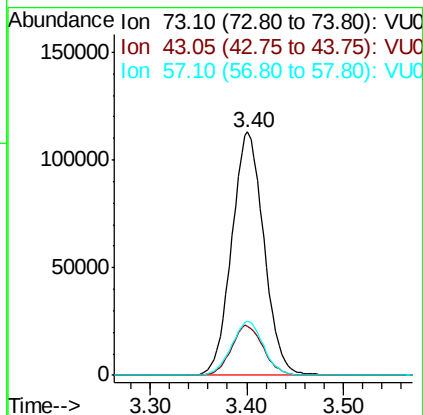
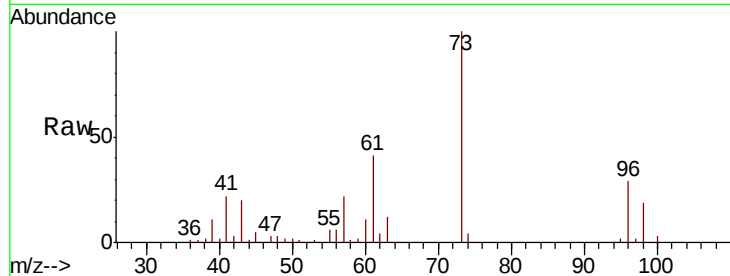




#17
Methvl tert-butvl Ether
Concen: 4.322 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

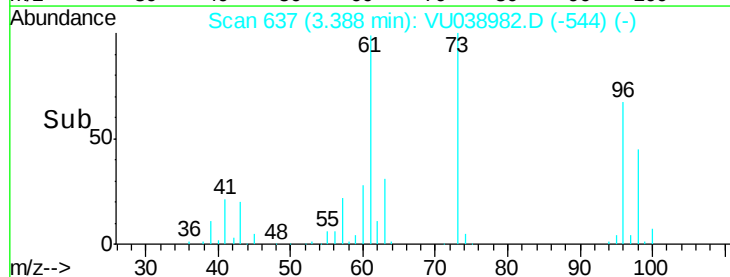
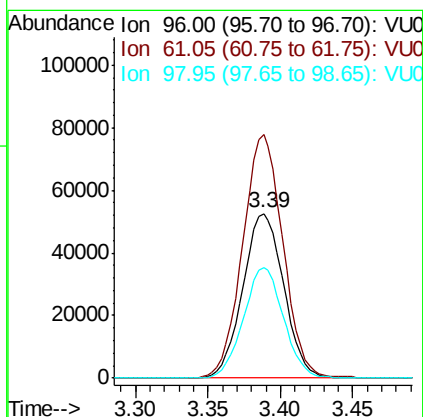
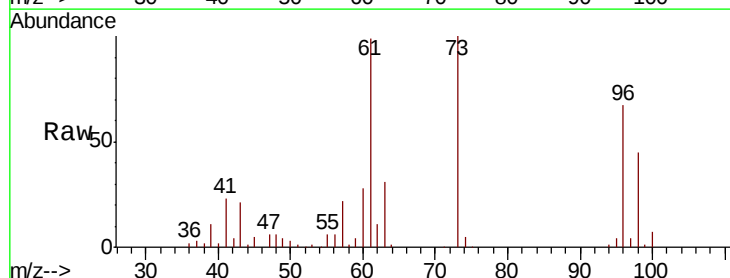
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

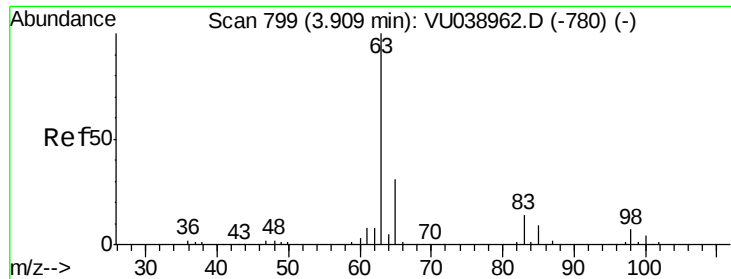
Tot Ion: 73 Resp: 260730
Ion Ratio Lower Upper
73 100
43 20.6 17.0 25.4
57 22.2 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 4.293 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion: 96 Resp: 103385
Ion Ratio Lower Upper
96 100
61 148.1 100.3 186.3
98 67.4 45.4 84.2

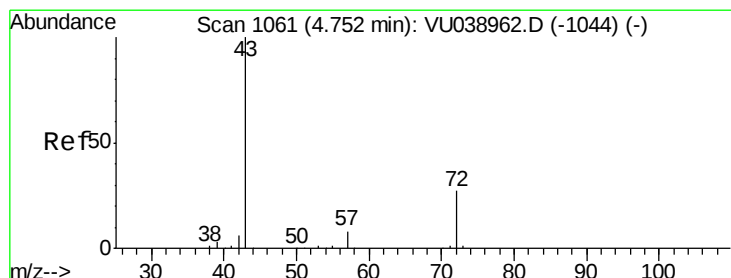
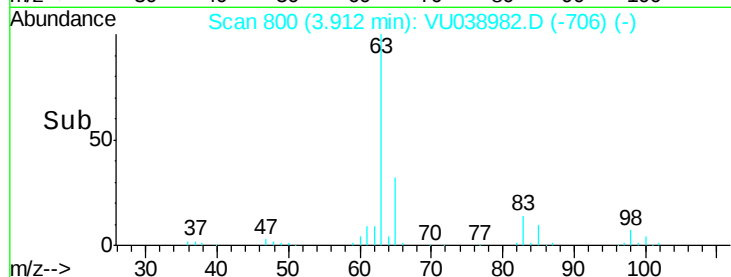
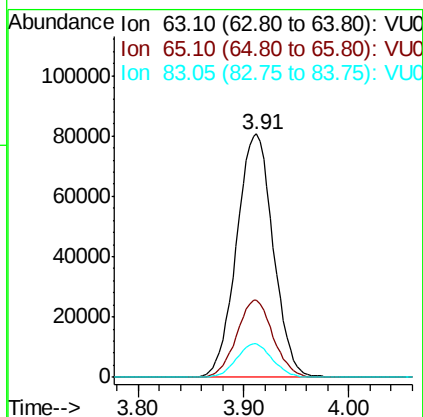
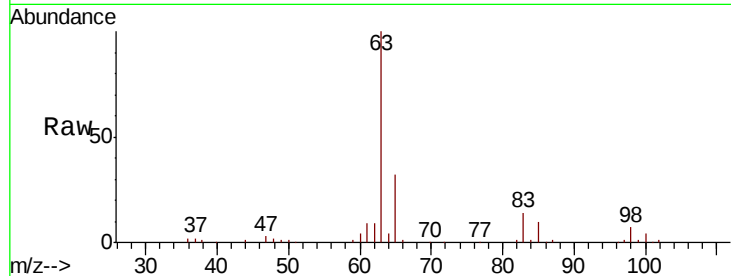




#19
 1,1-Dichloroethane
 Concen: 4.446 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

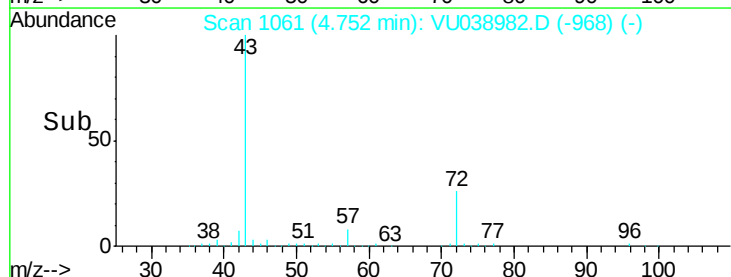
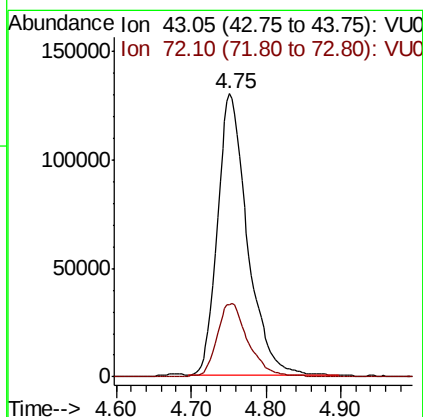
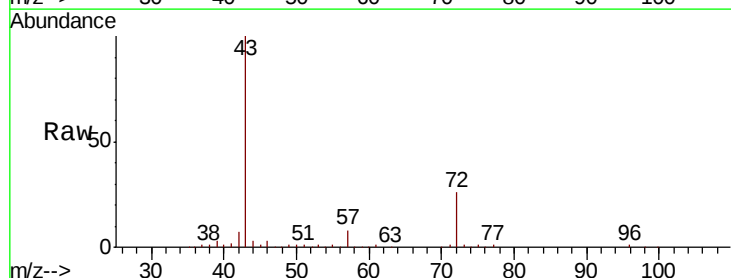
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00508

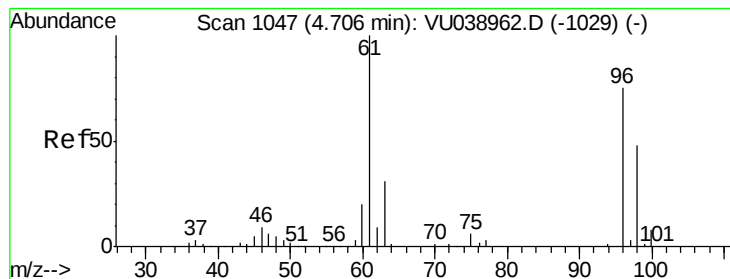
Tot Ion: 63 Resp: 194369
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.8 42.4
 83 13.8 9.6 17.8



#21
 2-Butanone
 Concen: 45.841 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

Tgt Ion: 43 Resp: 358273
 Ion Ratio Lower Upper
 43 100
 72 27.4 12.5 37.5





#22

cis-1,2-Dichloroethene

Concen: 4.532 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

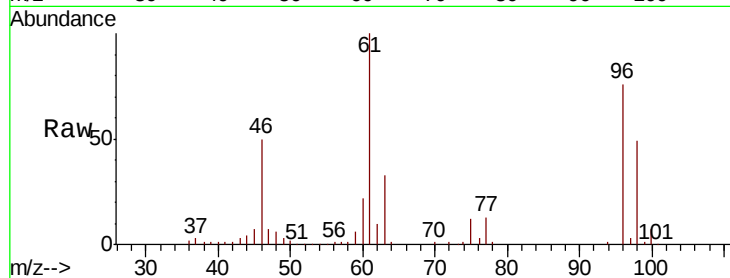
Tot Ion: 96 Resp: 112082

Ion Ratio Lower Upper

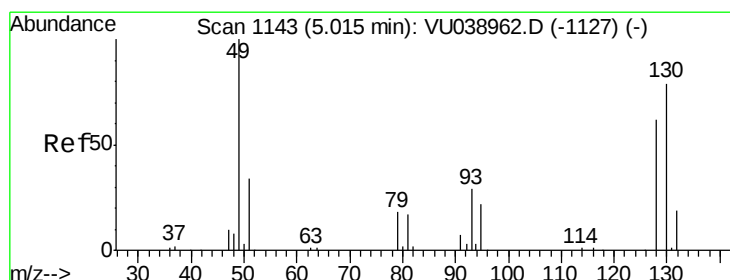
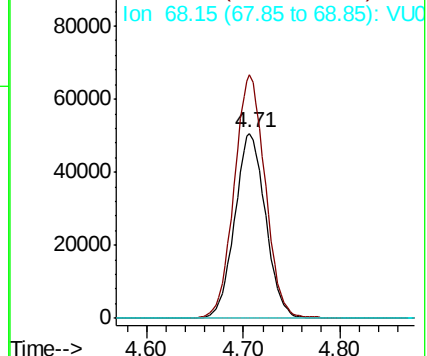
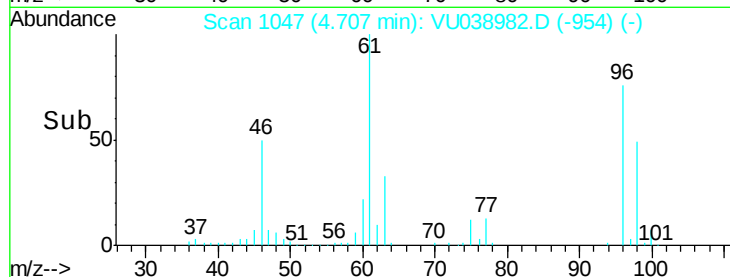
96 100

61 131.6 93.7 173.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038982.D (-954) (-)



#23

Bromochloromethane

Concen: 4.444 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Tgt Ion: 128 Resp: 52067

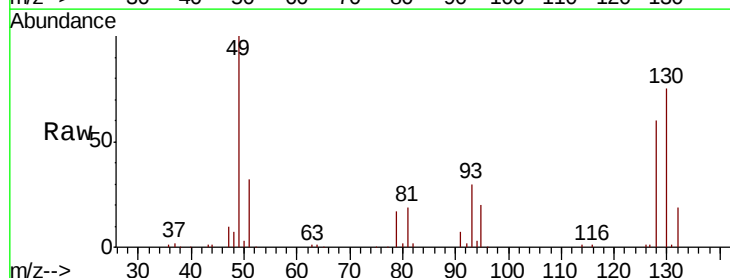
Ion Ratio Lower Upper

128 100

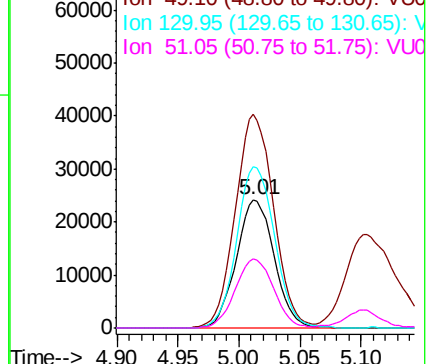
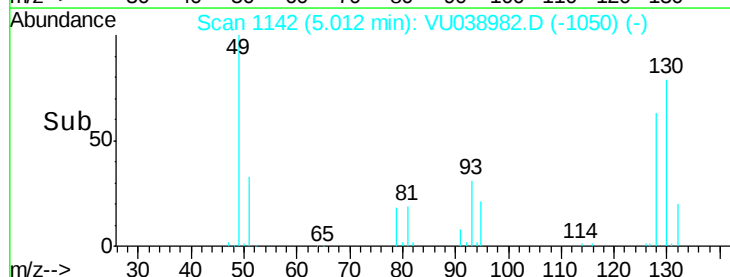
49 166.3 117.4 218.0

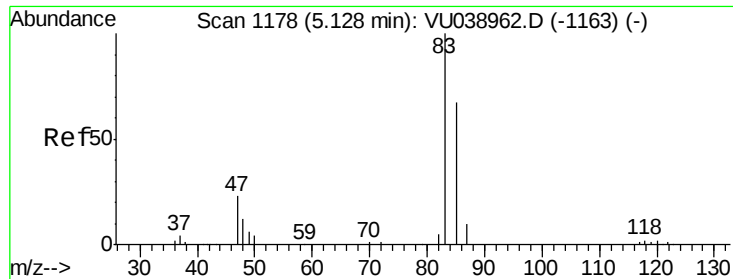
130 125.4 87.8 163.2

51 53.9 39.1 58.7



Abundance Ion 127.90 (127.60 to 128.60): VU038982.D (-1050) (-)

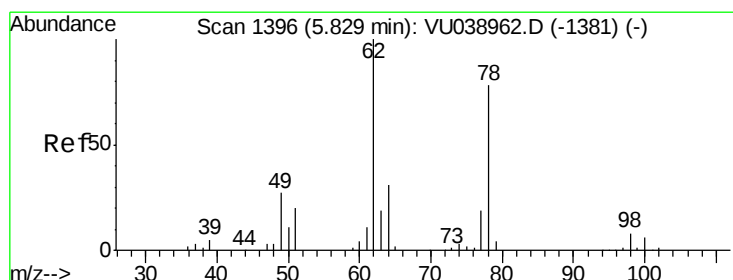
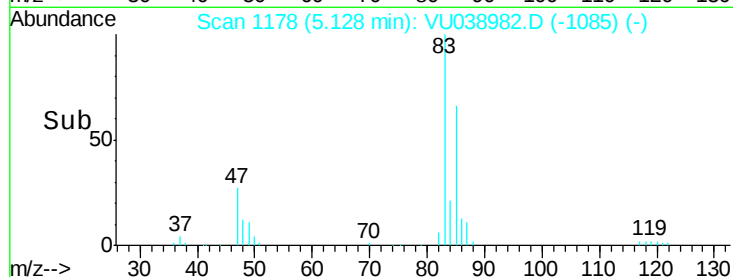
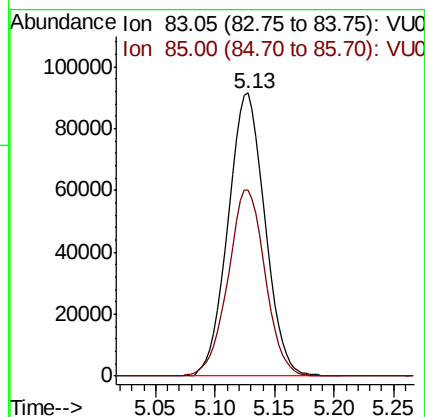
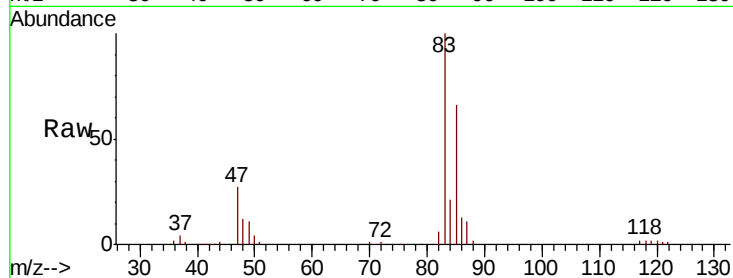




#25
Chloroform
Concen: 4.412 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

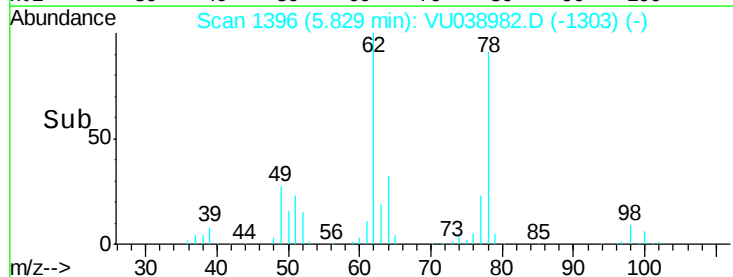
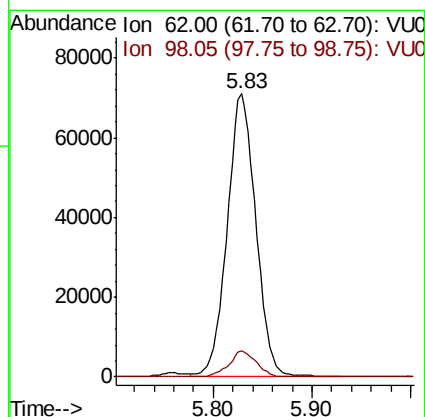
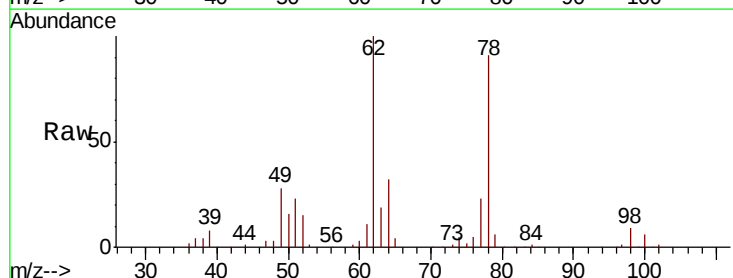
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

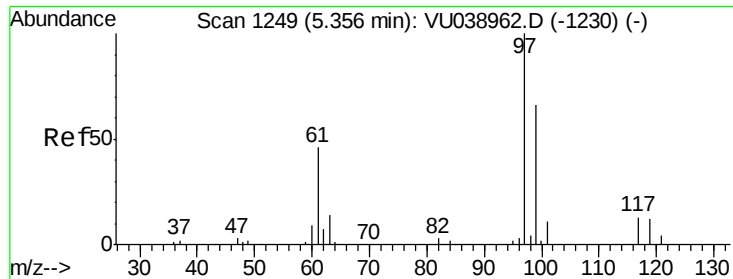
Tot Ion: 83 Resp: 196450
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.457 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion: 62 Resp: 144438
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4

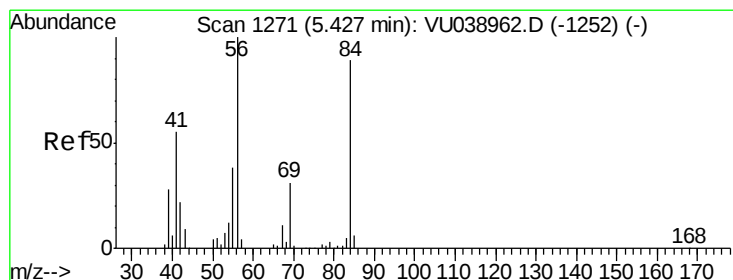
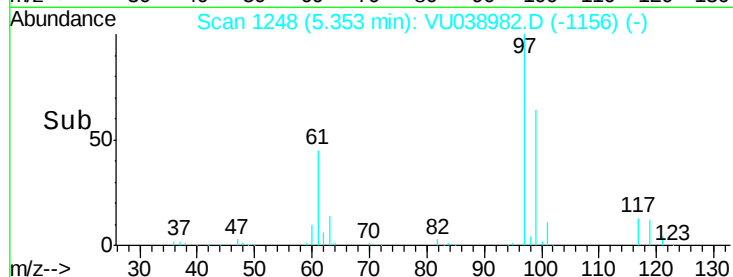
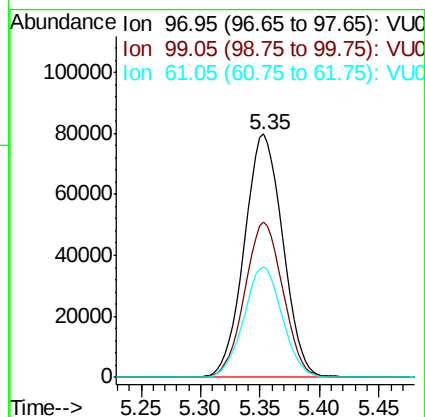
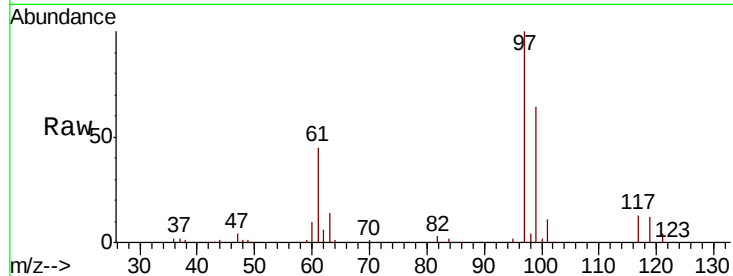




#29
1,1,1-Trichloroethane
Concen: 4.521 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

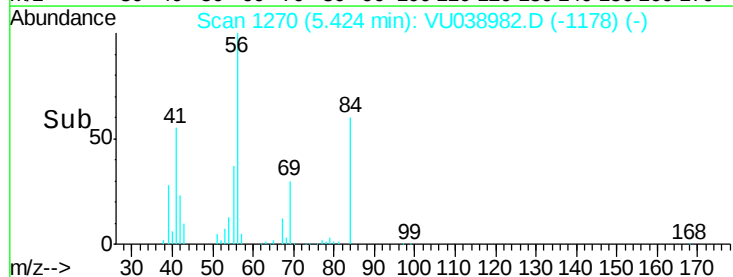
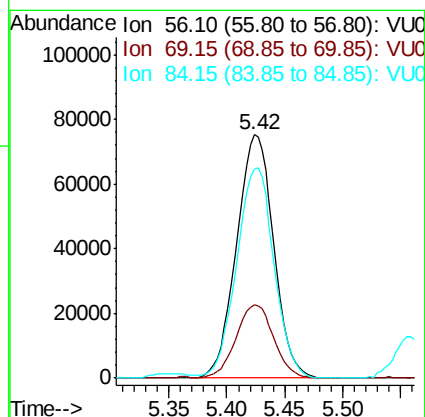
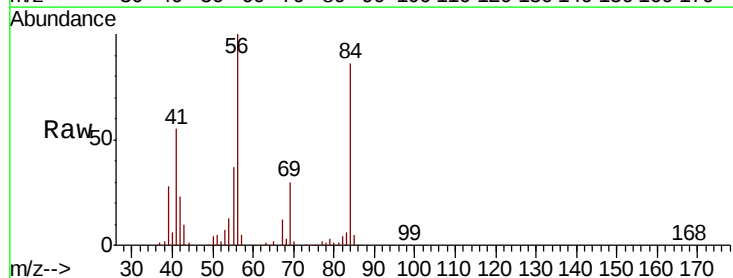
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

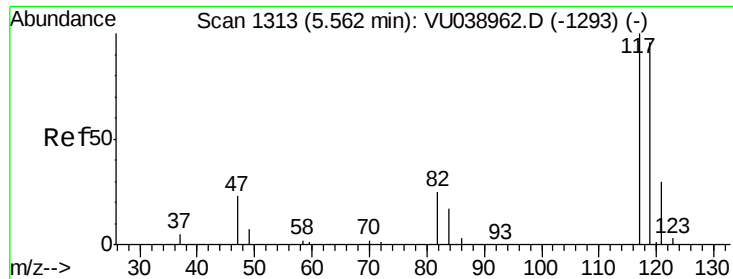
Tot Ion: 97 Resp: 179093
Ion Ratio Lower Upper
97 100
99 63.6 50.8 76.2
61 45.3 35.6 53.4



#30
Cyclohexane
Concen: 4.444 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion: 56 Resp: 167006
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.4
84 87.6 72.0 108.0





#31

Carbon tetrachloride

Concen: 4.300 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

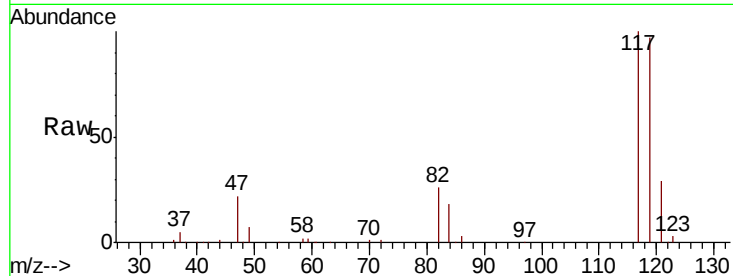
VSTD00508

Tot Ion:117 Resp: 150144

Ion Ratio Lower Upper

117 100

119 95.8 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

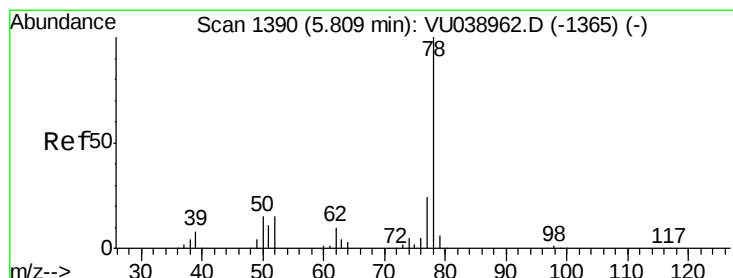
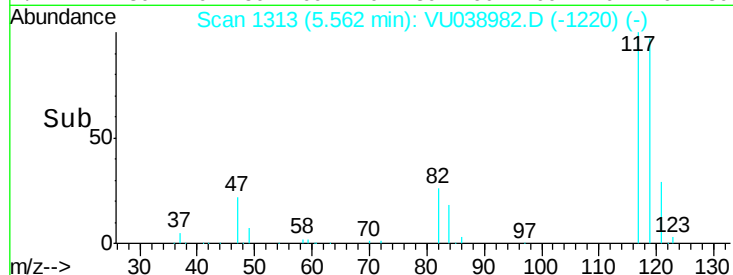
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.593 ug/L

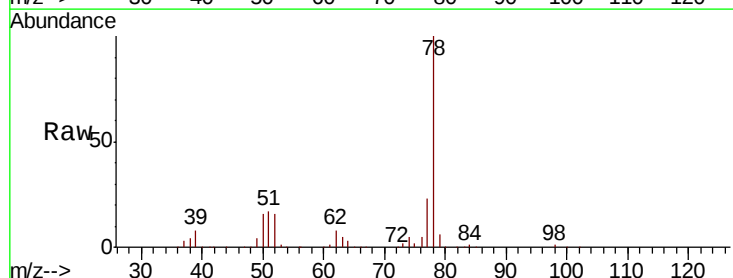
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Tgt Ion: 78 Resp: 438098



Abundance Ion 78.10 (77.80 to 78.80): VU0

250000

200000

150000

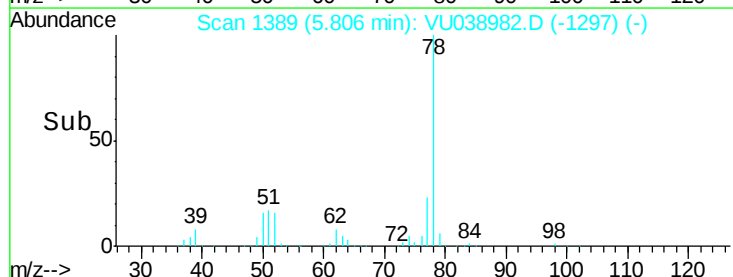
100000

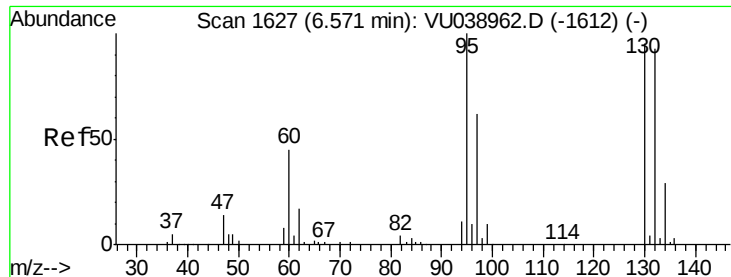
50000

0

Time-->

5.70 5.80 5.90

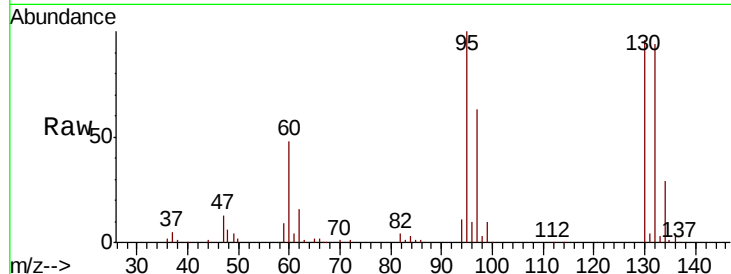




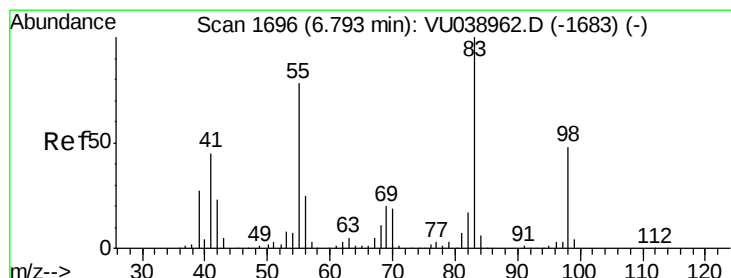
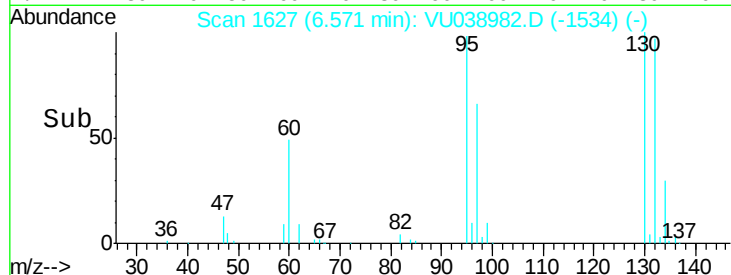
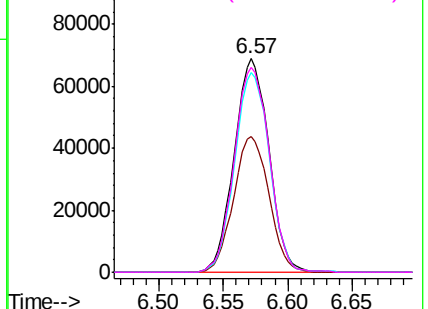
#34
 Trichloroethene
 Concen: 5.340 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00508

Tot Ion: 95 Resp: 129218
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.4 84.4
 132 93.5 68.4 127.0
 130 96.1 69.6 129.2

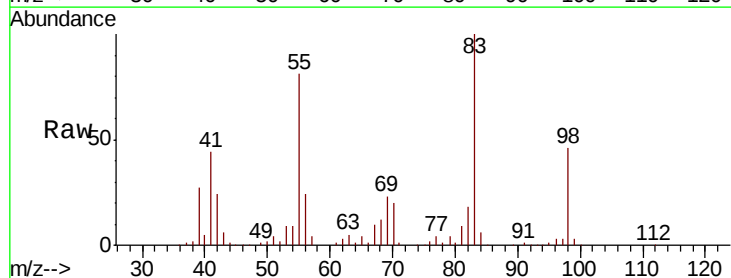


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

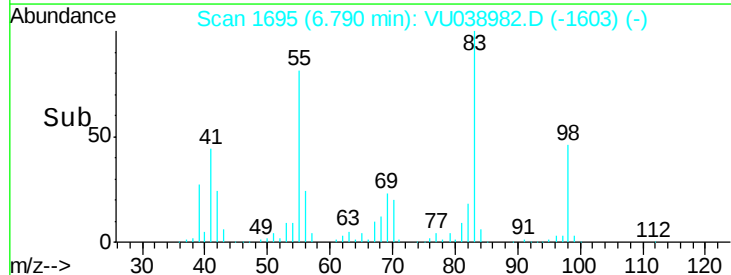
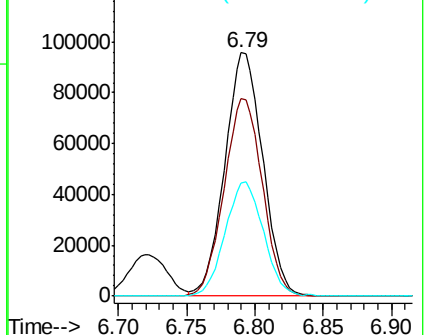


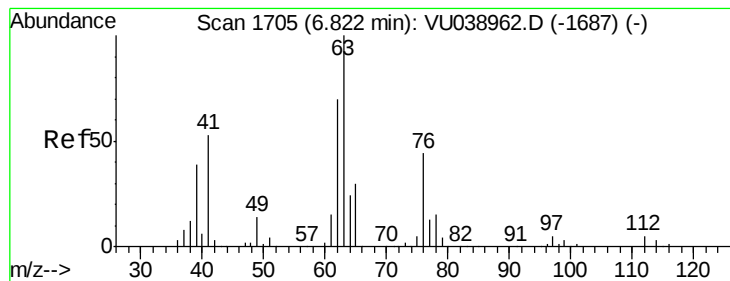
#35
 Methylcyclohexane
 Concen: 4.813 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

Tgt Ion: 83 Resp: 184651
 Ion Ratio Lower Upper
 83 100
 55 82.1 61.8 92.8
 98 47.5 39.3 58.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.225 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

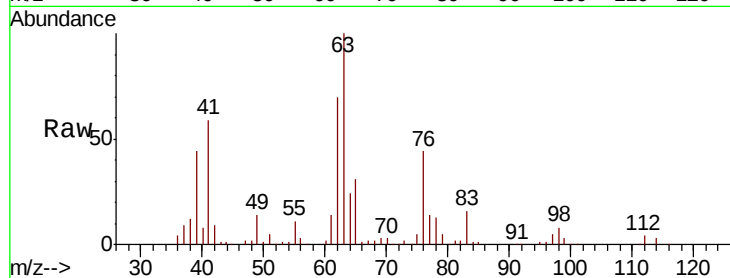
VSTD00508

Tot Ion: 63 Resp: 130138

Ion Ratio Lower Upper

63 100

112 4.5 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VU038982.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU038982.D (-1612) (-)

80000

60000

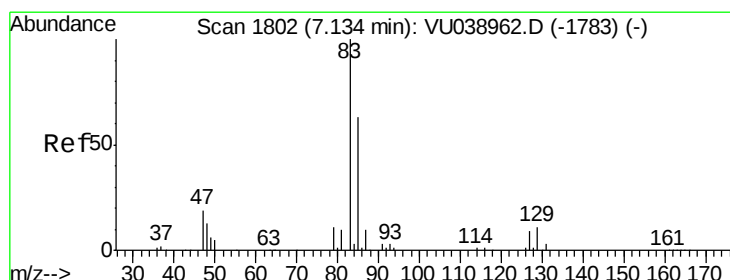
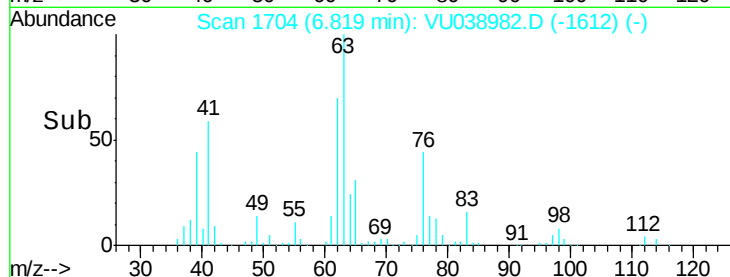
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.465 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

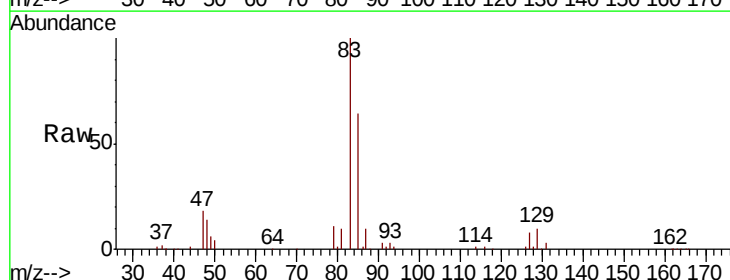
Tgt Ion: 83 Resp: 144612

Ion Ratio Lower Upper

83 100

85 64.1 45.0 83.6

127 8.4 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU038982.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038982.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038982.D (-1709) (-)

100000

80000

60000

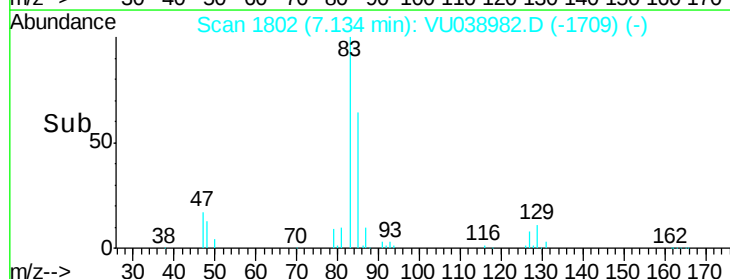
40000

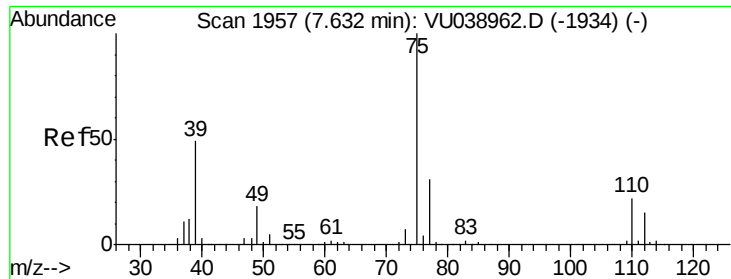
20000

0

7.05 7.10 7.15 7.20

Time-->

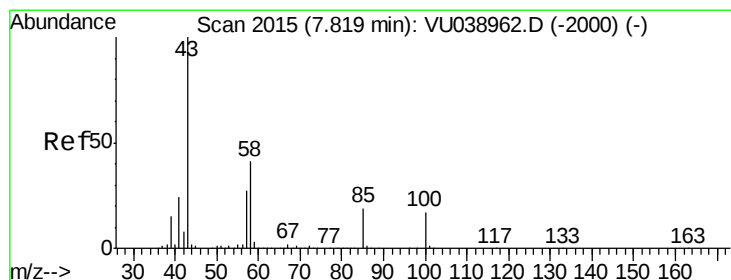
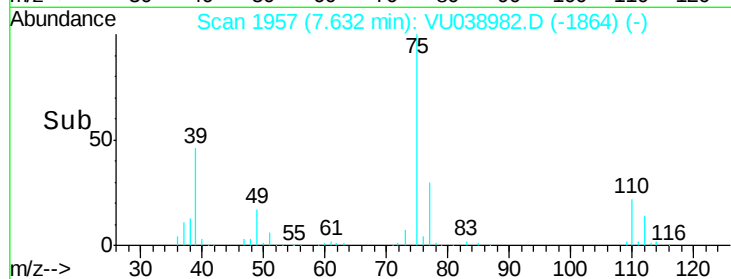
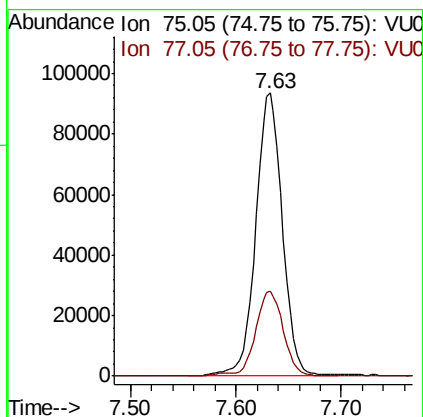
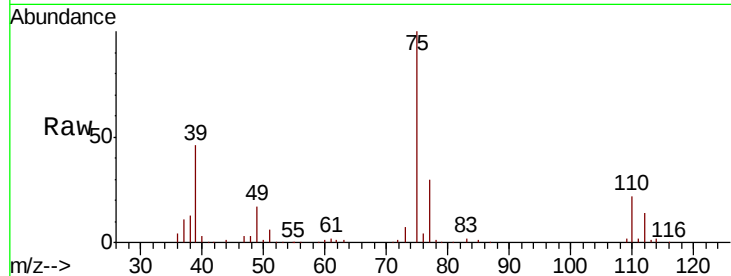




#39
 cis-1,3-Dichloropropene
 Concen: 4.502 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

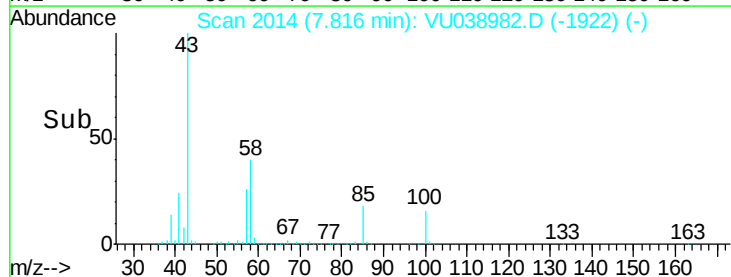
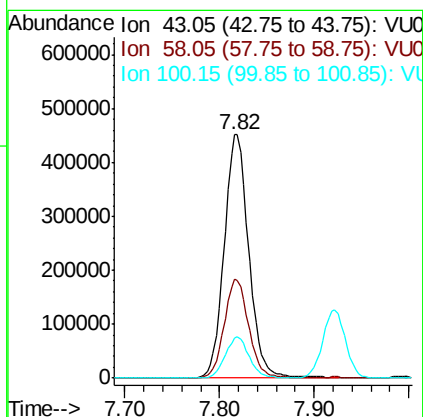
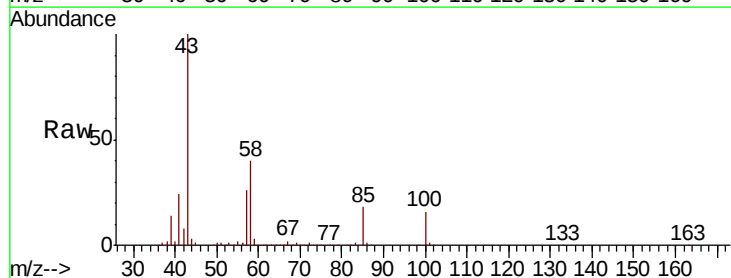
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

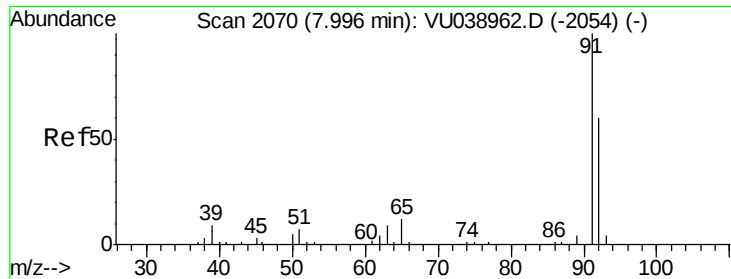
Tot Ion: 75 Resp: 164743
 Ion Ratio Lower Upper
 75 100
 77 29.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 47.503 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

Tgt Ion: 43 Resp: 815262
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.6 49.0
 100 16.5 13.4 20.2





#42

Toluene

Concen: 4.630 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

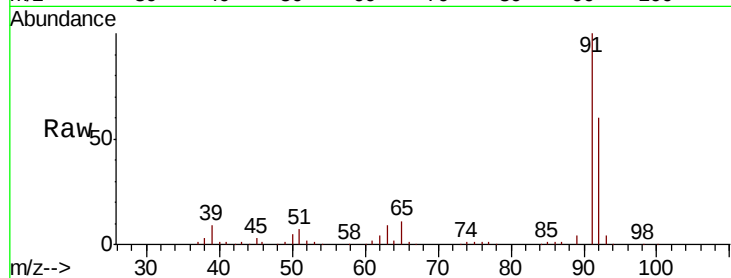
VSTD00508

Tot Ion: 91 Resp: 457333

Ion Ratio Lower Upper

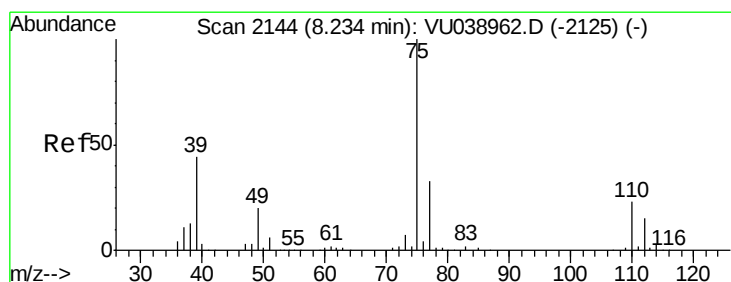
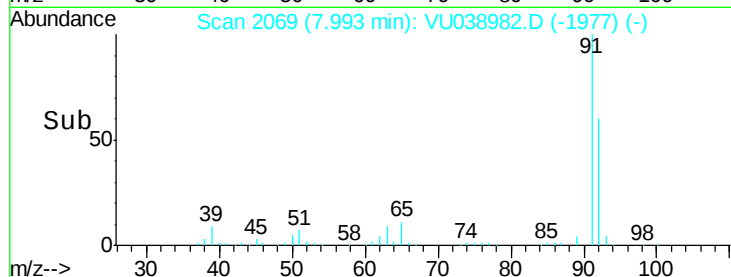
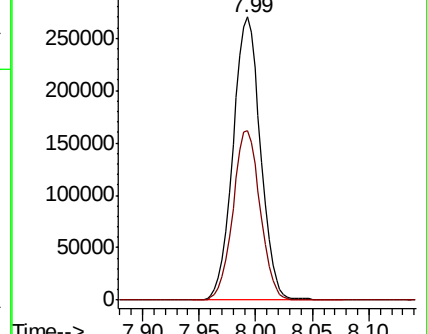
91 100

92 59.9 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038982.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU038982.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.449 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038982.D

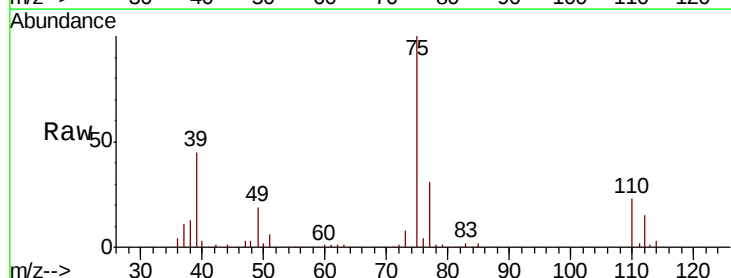
Acq: 18 Jun 2020 20:42

Tgt Ion: 75 Resp: 149687

Ion Ratio Lower Upper

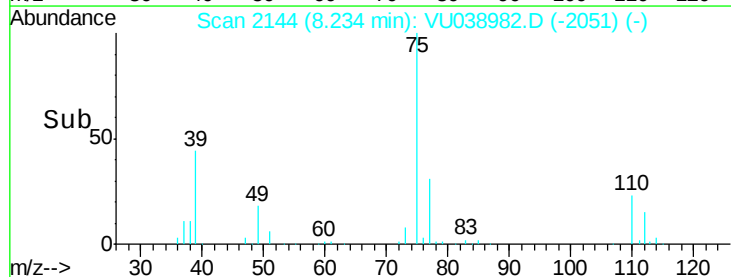
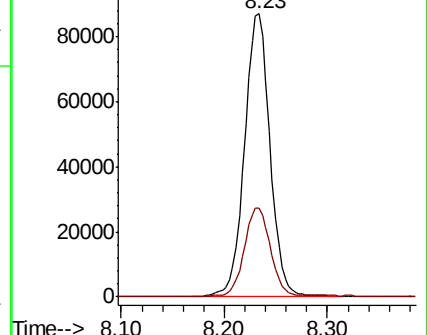
75 100

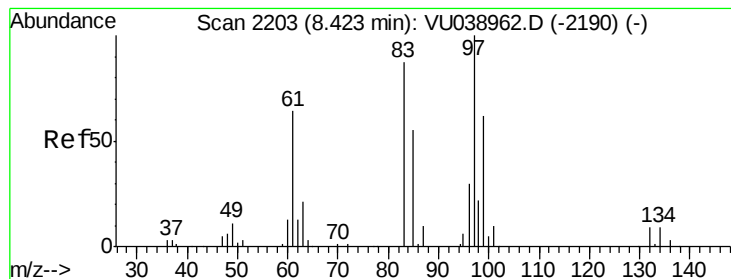
77 31.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU038982.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU038982.D (-2051) (-)





#45

1,1,2-Trichloroethane

Concen: 4.669 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 97 Resp: 86325

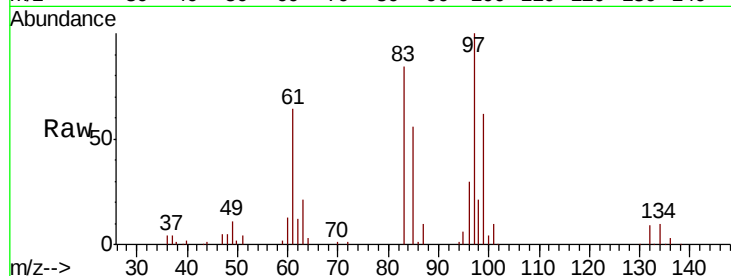
Ion Ratio Lower Upper

97 100

99 62.5 44.1 81.9

83 84.4 61.2 113.8

85 55.8 37.7 70.1



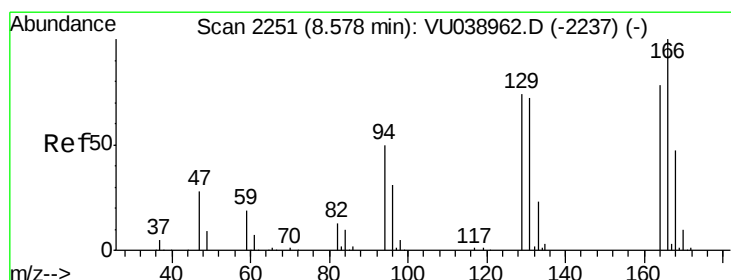
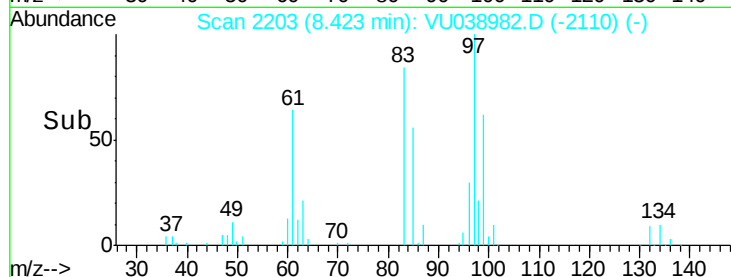
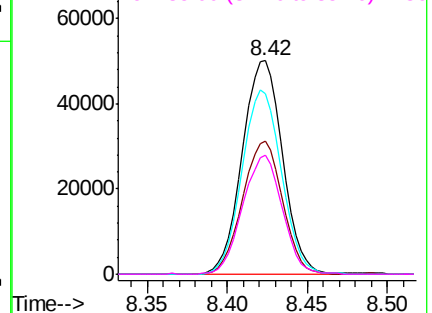
Abundance

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: 4.391 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Tgt Ion: 164 Resp: 82340

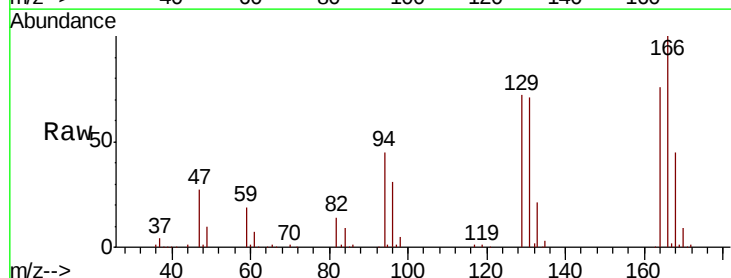
Ion Ratio Lower Upper

164 100

129 95.1 66.1 122.8

131 93.5 65.7 122.1

166 131.9 93.0 172.8



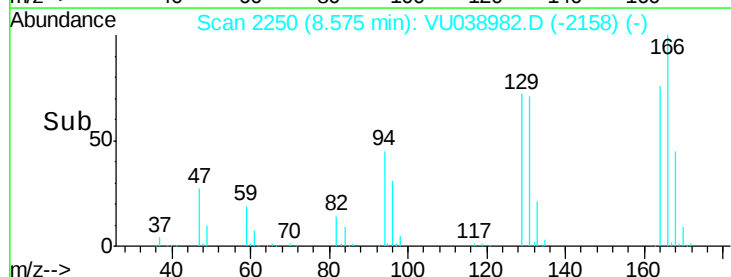
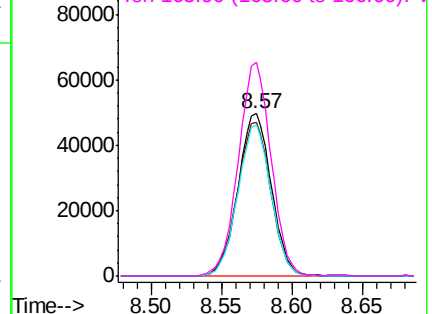
Abundance

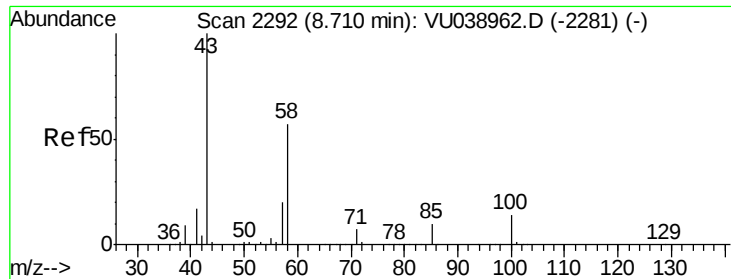
Ion 163.90 (163.60 to 164.60): V

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

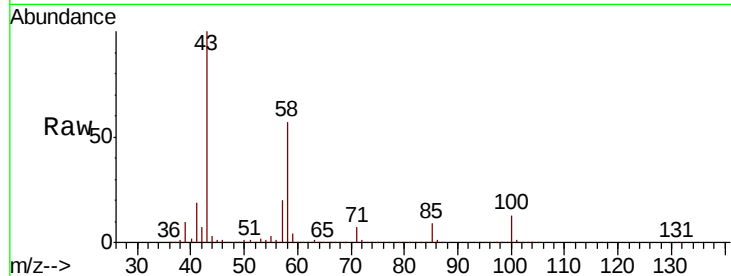




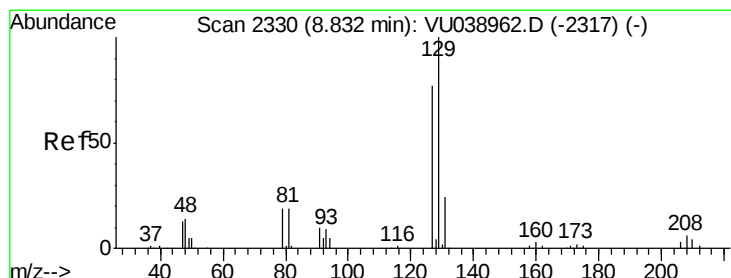
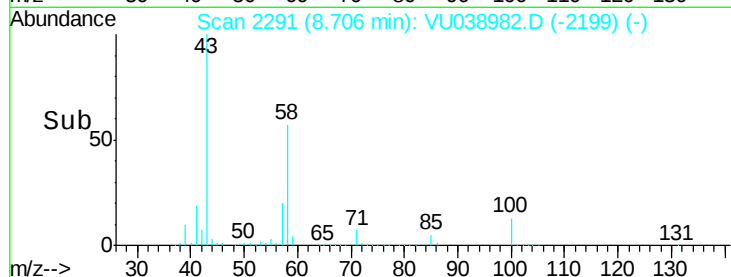
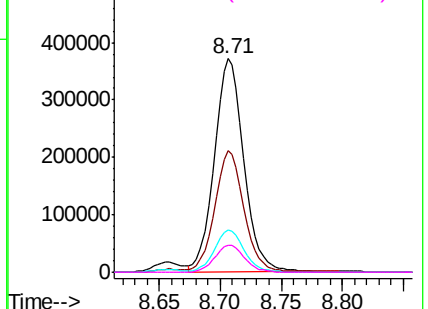
#48
2-Hexanone
Concen: 48.404 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 43 Resp: 629327
Ion Ratio Lower Upper
43 100
58 56.6 45.2 67.8
57 20.1 16.1 24.1
100 13.0 10.9 16.3

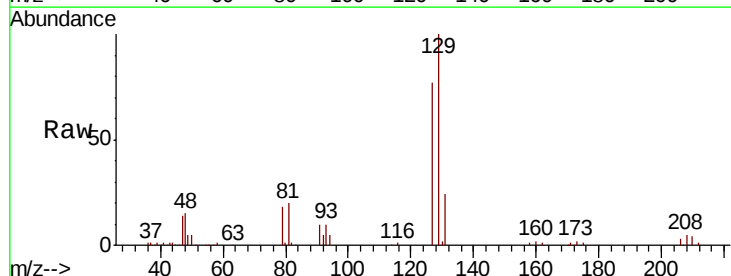


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

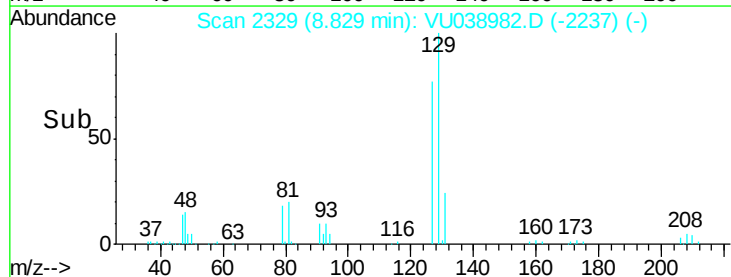
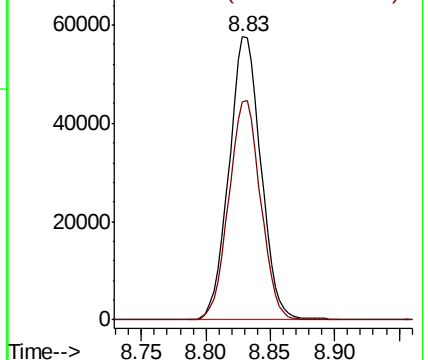


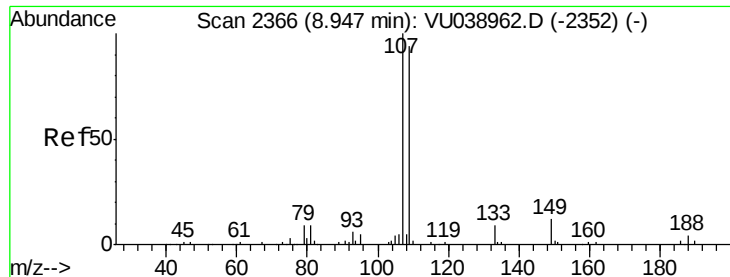
#49
Dibromochloromethane
Concen: 4.482 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion: 129 Resp: 99250
Ion Ratio Lower Upper
129 100
127 77.1 54.9 101.9



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

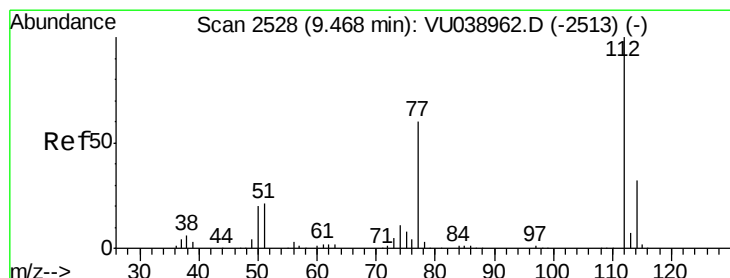
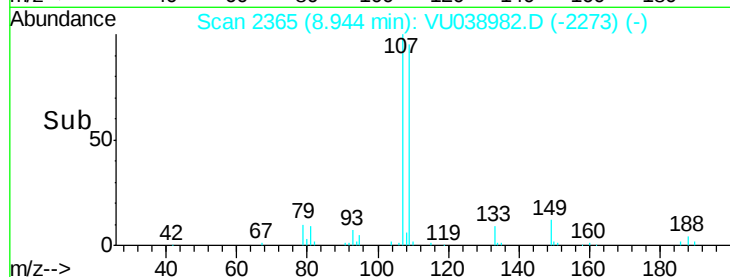
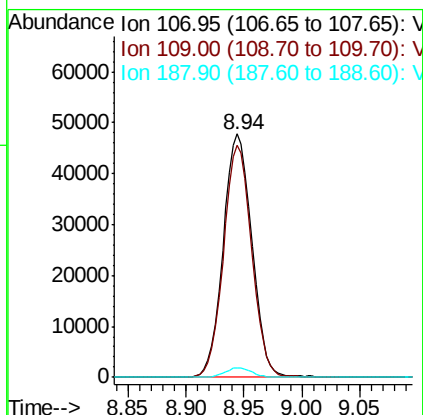
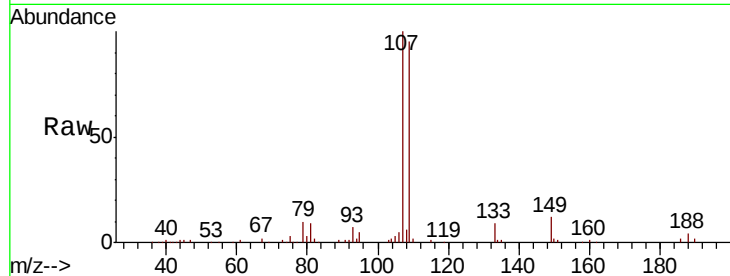




#50
1,2-Dibromoethane
Concen: 4.442 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

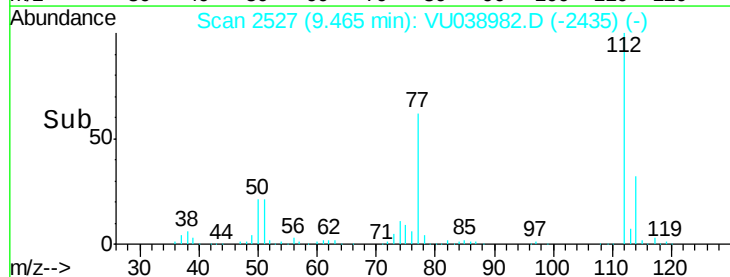
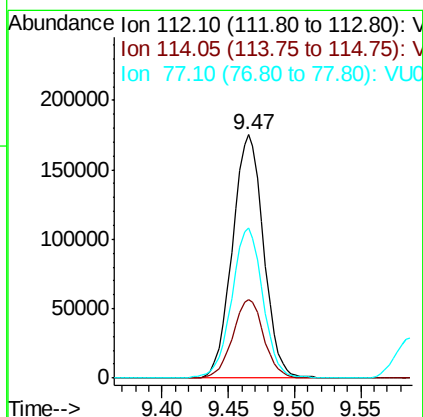
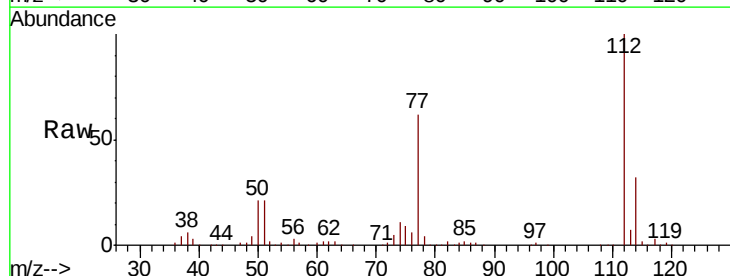
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

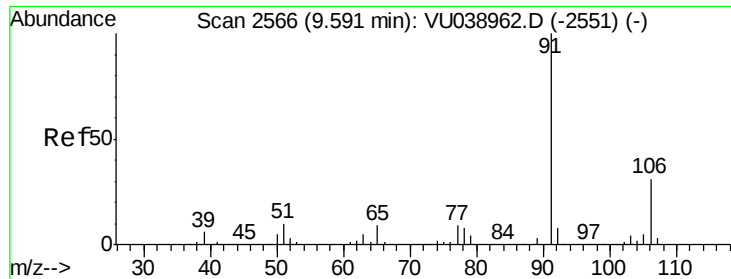
Tot Ion:107 Resp: 82121
Ion Ratio Lower Upper
107 100
109 95.2 64.8 120.4
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 4.455 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion:112 Resp: 286078
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.7
77 61.7 47.2 70.8

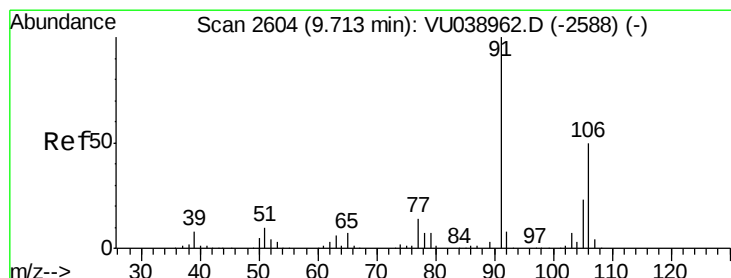
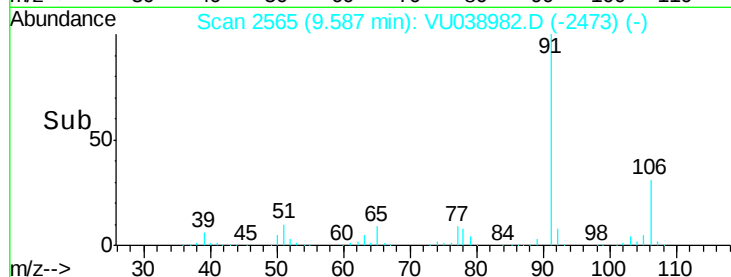
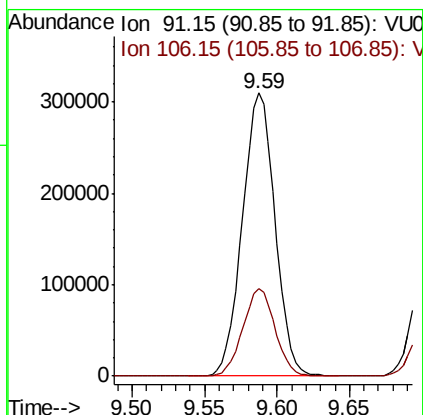
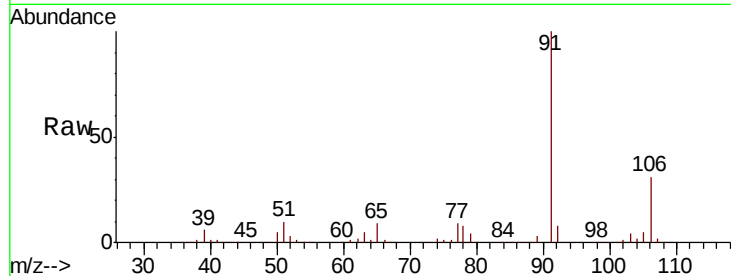




#52
Ethylbenzene
Concen: 4.545 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

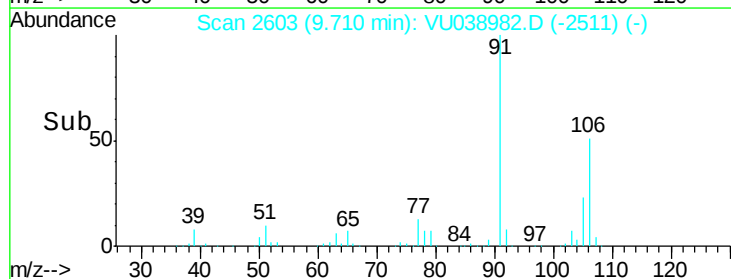
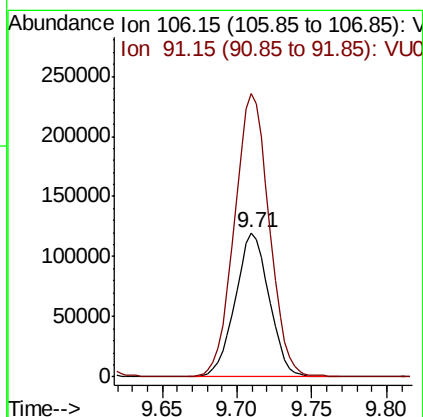
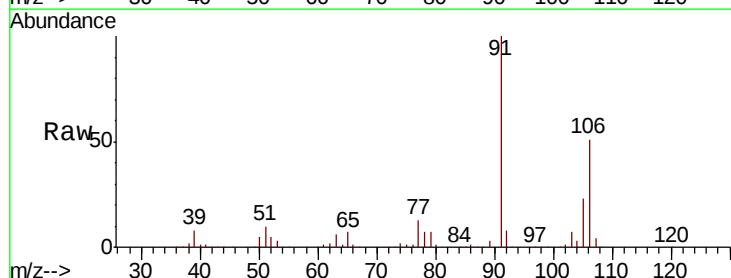
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

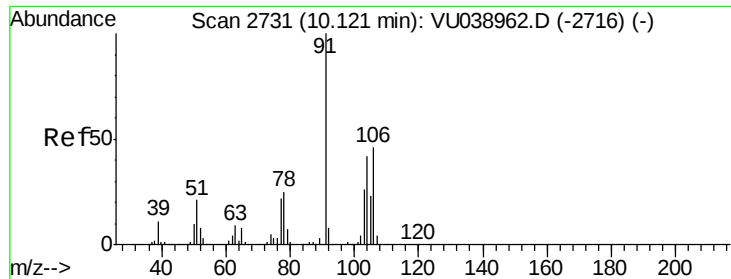
Tot Ion: 91 Resp: 485645
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 4.562 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion: 106 Resp: 188112
Ion Ratio Lower Upper
106 100
91 196.7 143.0 265.6

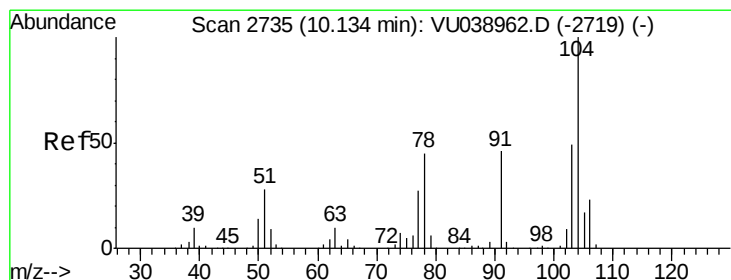
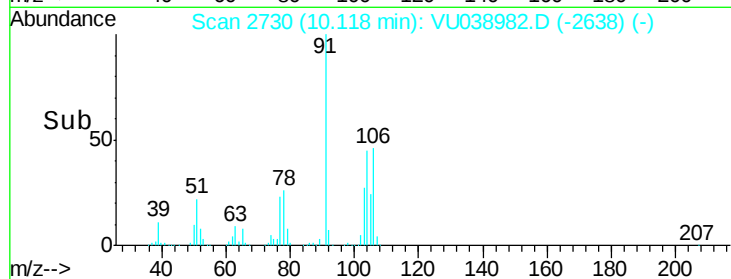
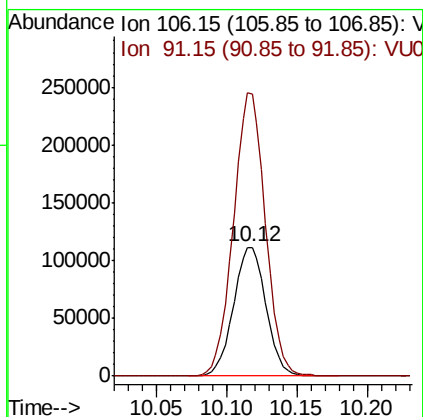
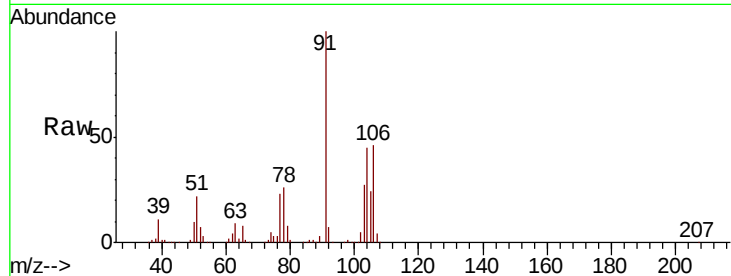




#54
o-Xylene
Concen: 4.554 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

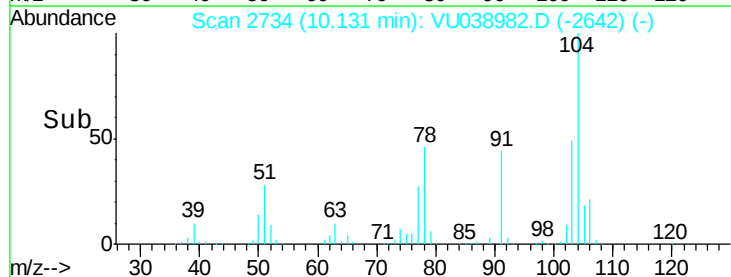
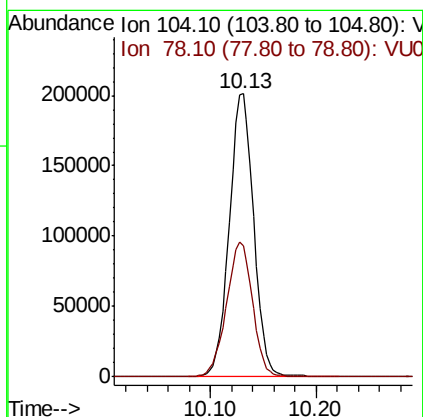
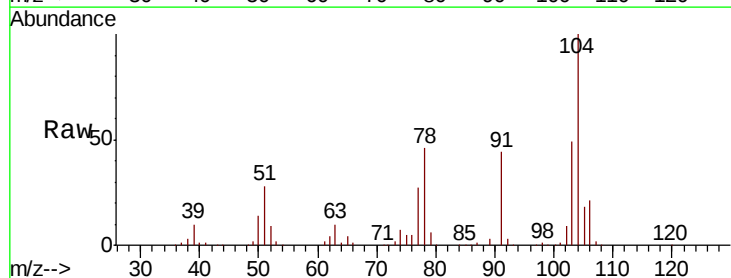
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

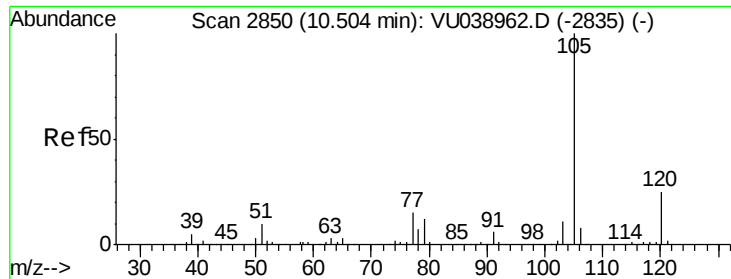
Tot Ion:106 Resp: 179902
Ion Ratio Lower Upper
106 100
91 218.3 148.4 275.6



#55
Styrene
Concen: 4.724 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038982.D
Acq: 18 Jun 2020 20:42

Tgt Ion:104 Resp: 321567
Ion Ratio Lower Upper
104 100
78 46.3 32.0 59.4





#56

Isopropylbenzene

Concen: 4.546 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

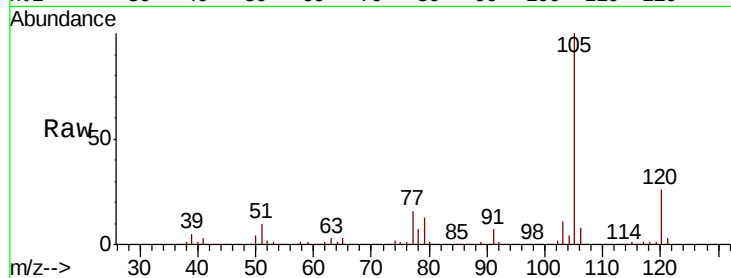
Tot Ion:105 Resp: 477994

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

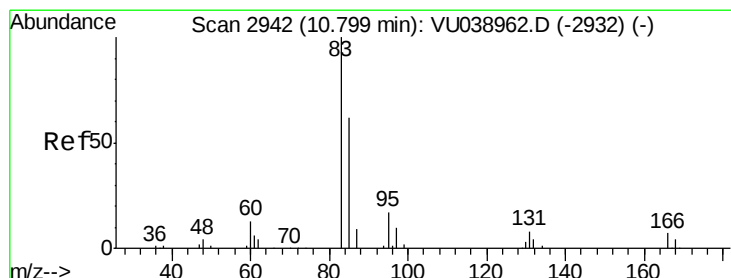
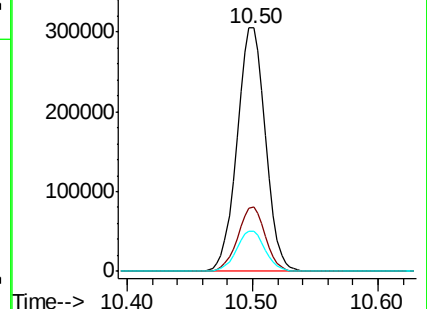
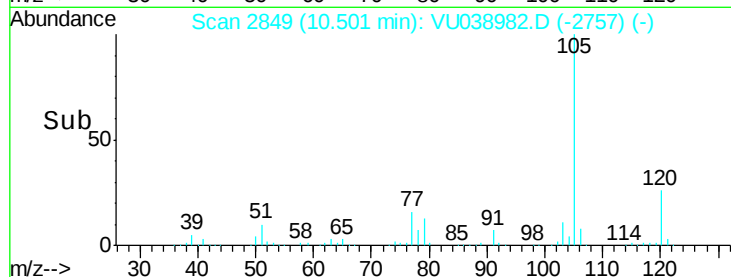
77 16.7 13.0 19.6



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: 4.392 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

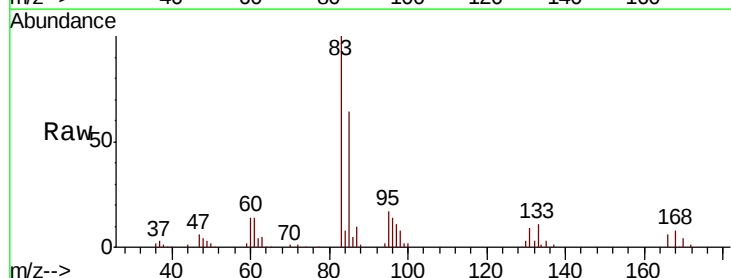
Tgt Ion: 83 Resp: 112109

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.4

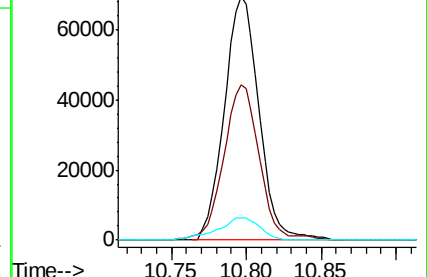
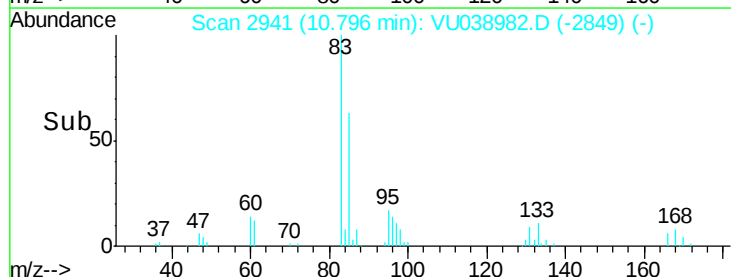
131 9.3 8.2 12.4

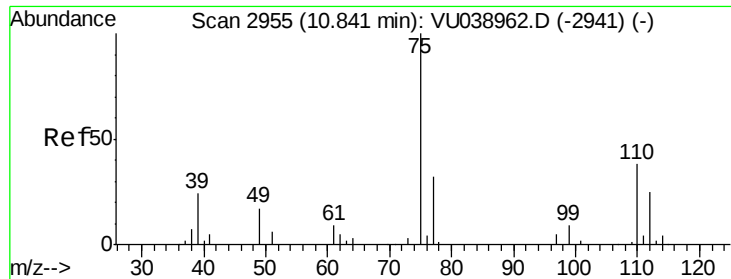


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

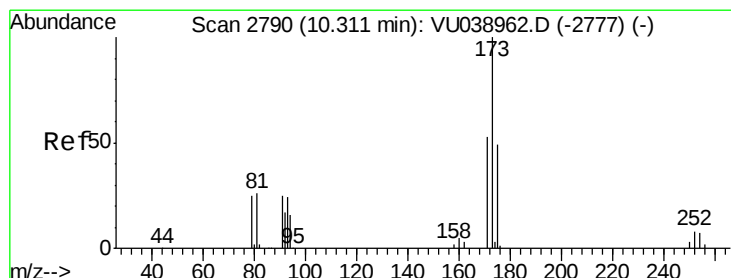
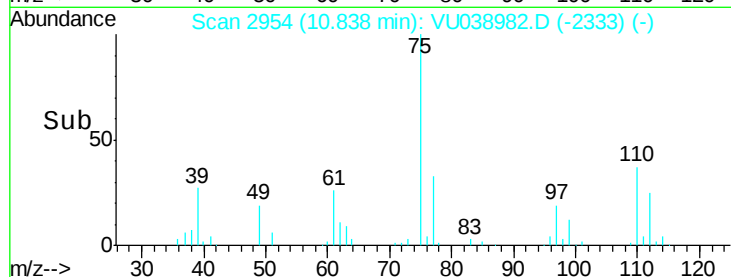
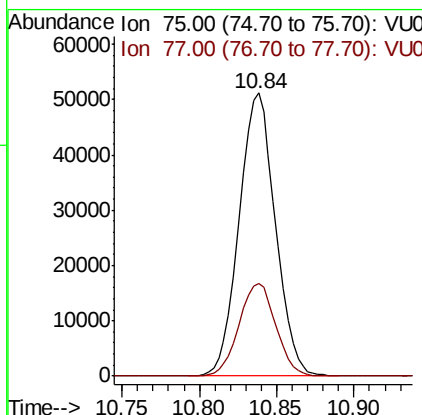
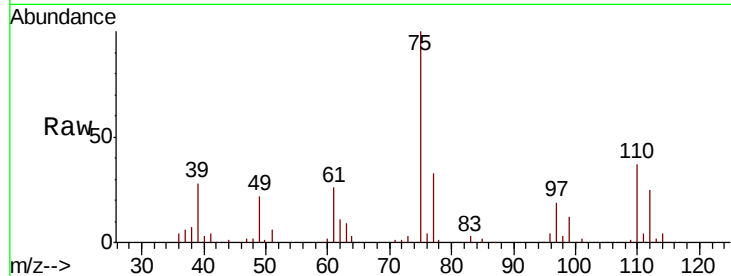




#59
 1,2,3-Trichloropropane
 Concen: 4.341 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

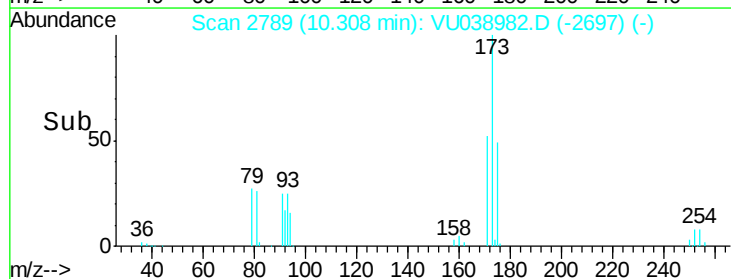
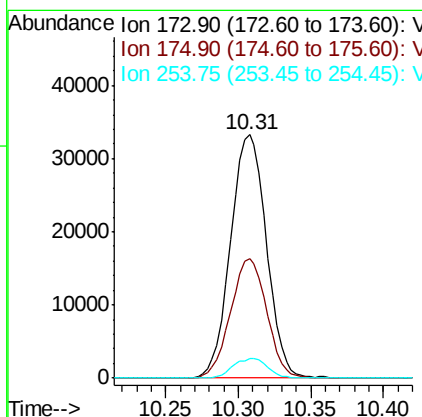
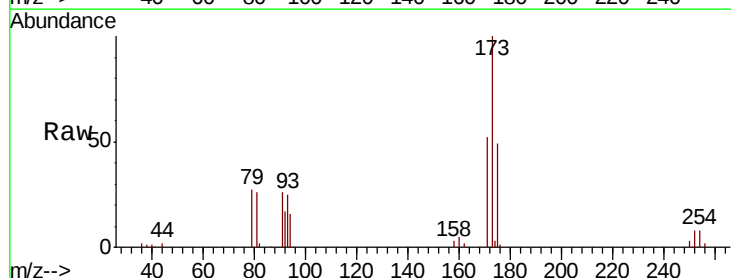
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

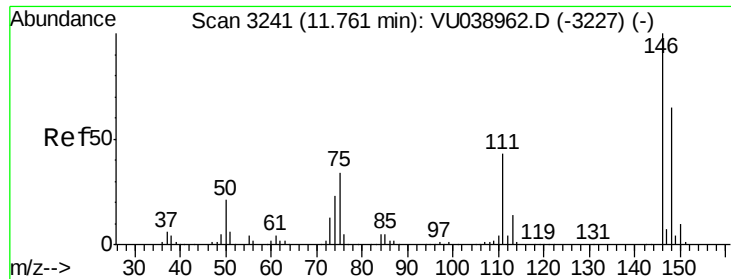
Tot Ion: 75 Resp: 83390
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.0



#61
 Bromoform
 Concen: 4.280 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

Tgt Ion: 173 Resp: 57089
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.2 58.8
 254 7.8 6.1 9.1





#62

1,3-Dichlorobenzene

Concen: 4.589 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

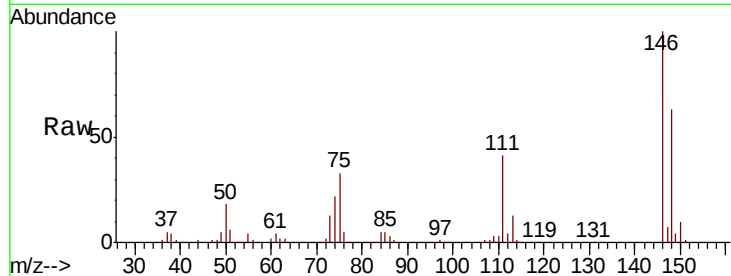
Tot Ion:146 Resp: 235178

Ion Ratio Lower Upper

146 100

111 41.0 29.0 53.8

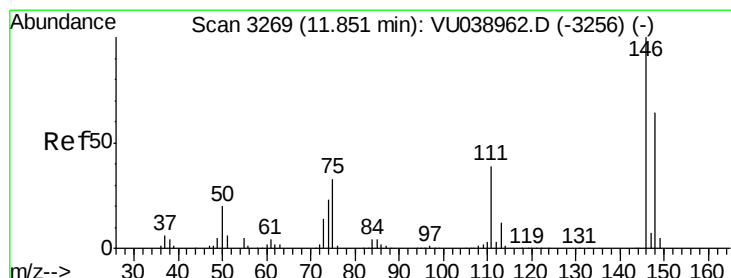
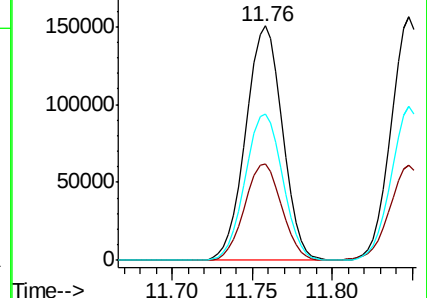
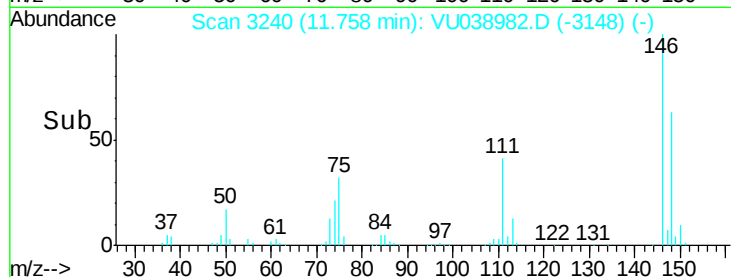
148 62.6 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.551 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

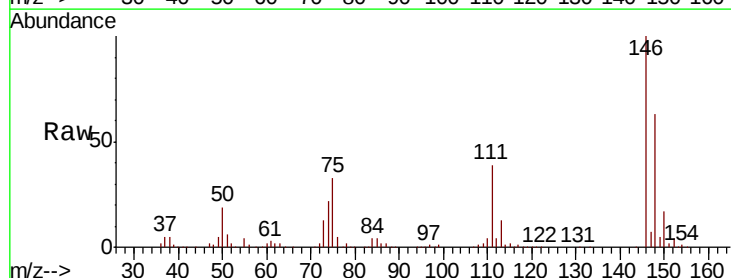
Tgt Ion:146 Resp: 240078

Ion Ratio Lower Upper

146 100

111 39.2 27.2 50.6

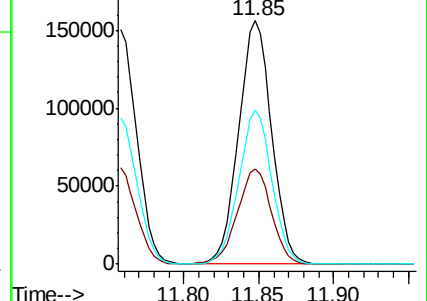
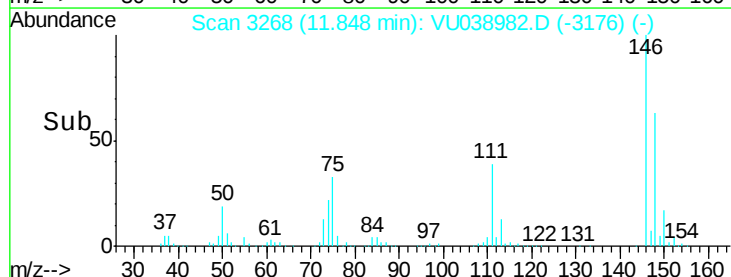
148 63.3 44.0 81.6

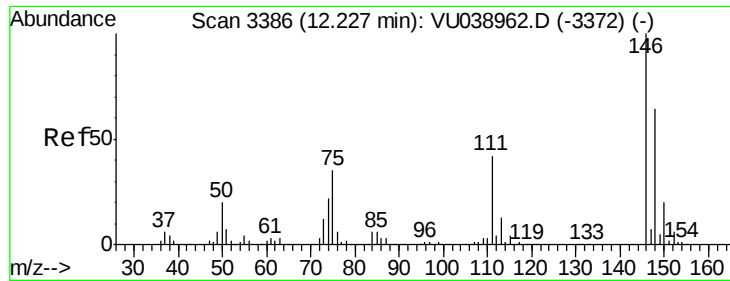


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.470 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

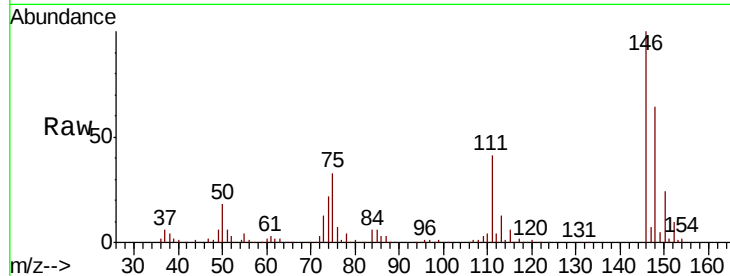
Tot Ion:146 Resp: 226144

Ion Ratio Lower Upper

146 100

111 41.0 35.7 53.5

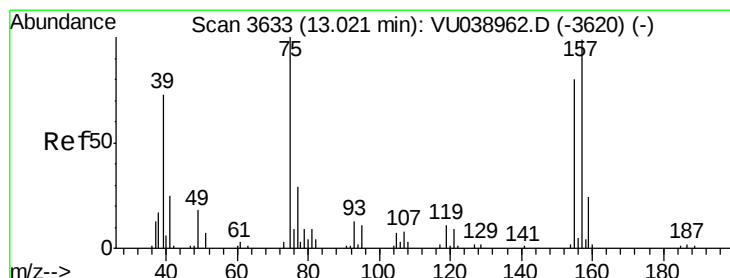
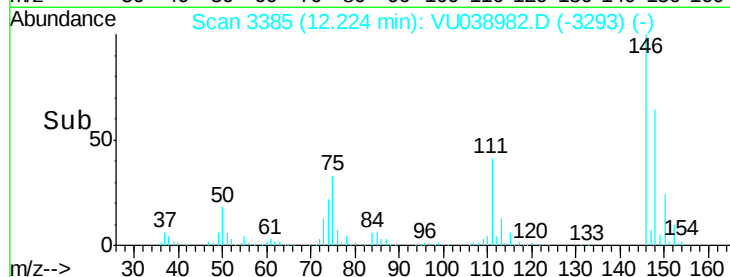
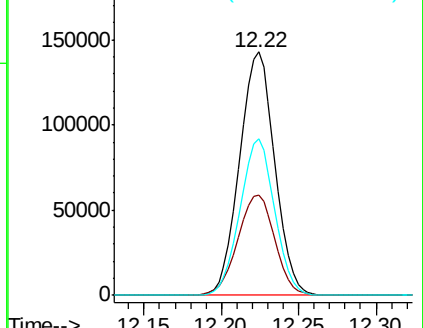
148 64.2 51.6 77.4



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: 4.474 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

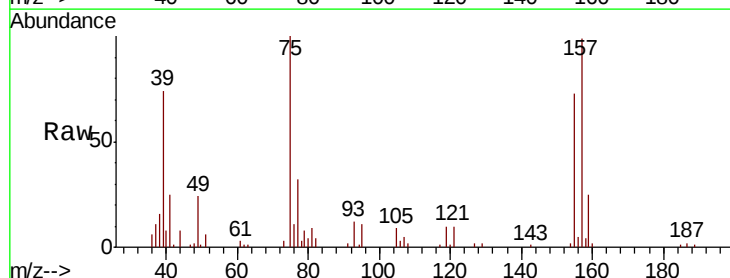
Tgt Ion: 75 Resp: 22823

Ion Ratio Lower Upper

75 100

155 73.2 65.4 98.2

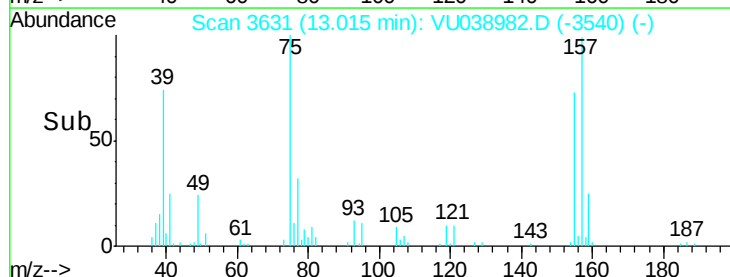
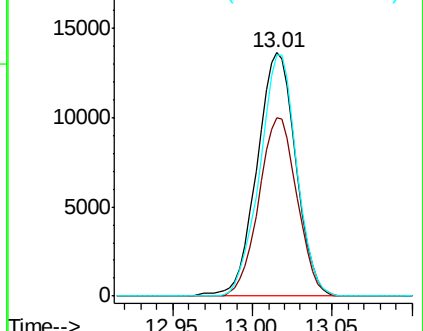
157 99.2 80.6 120.8

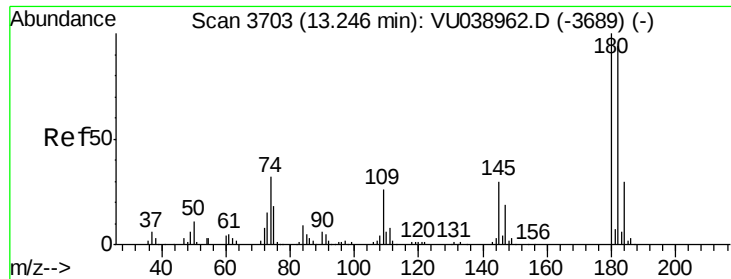


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

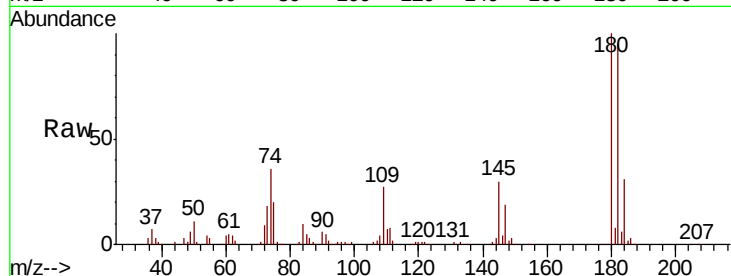




#67
 1,3,5-Trichlorobenzene
 Concen: 4.526 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.3	114.5
184	30.7	24.0	36.0
145	31.3	24.6	36.8



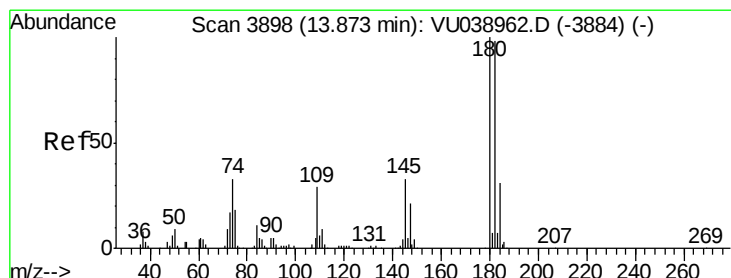
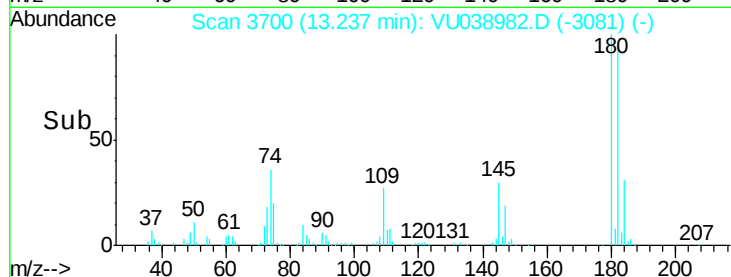
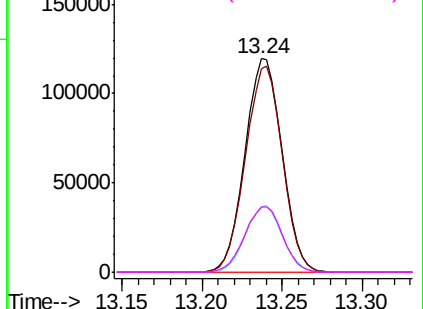
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

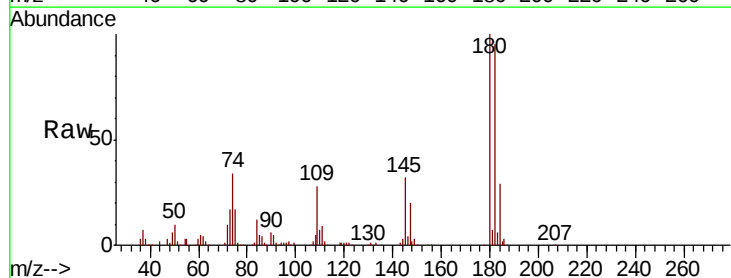
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.490 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038982.D
 Acq: 18 Jun 2020 20:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.4	113.2
145	31.2	24.7	37.1

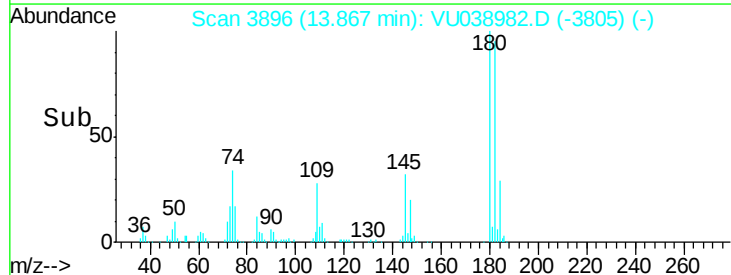
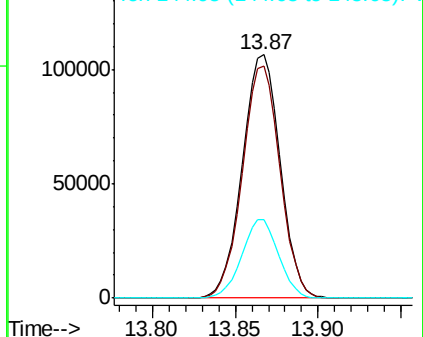


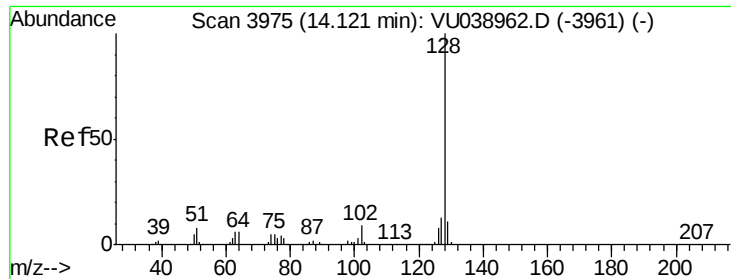
Abundance

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: 4.006 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

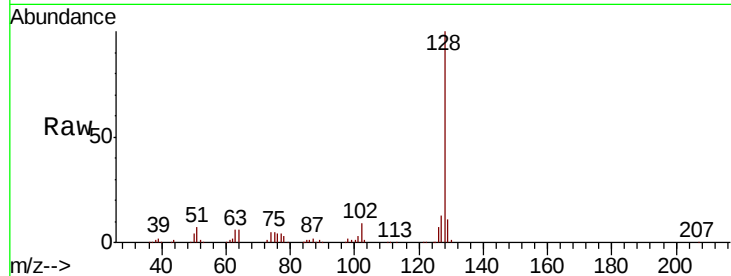
Tot Ion:128 Resp: 291798

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

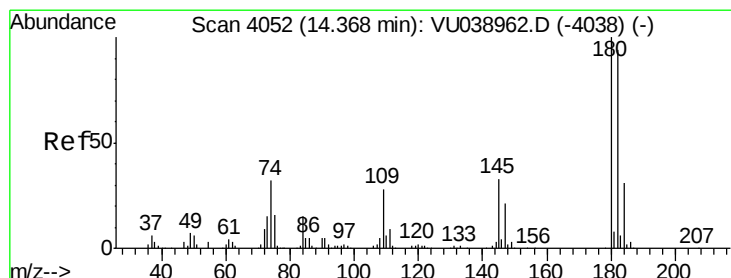
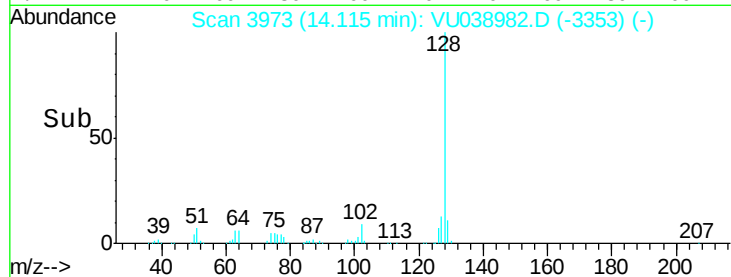
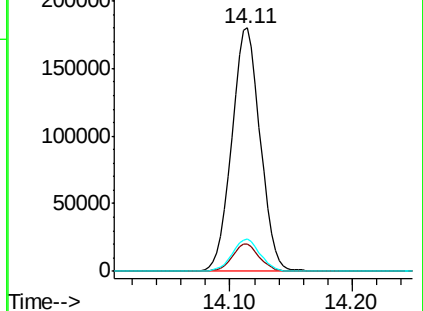
127 12.9 10.6 16.0



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: 4.281 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038982.D

Acq: 18 Jun 2020 20:42

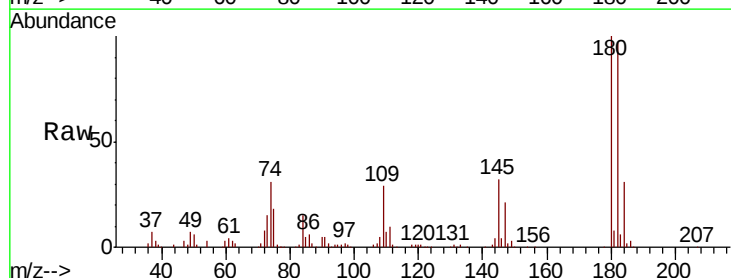
Tgt Ion:180 Resp: 149449

Ion Ratio Lower Upper

180 100

182 95.3 75.5 113.3

145 32.5 27.2 40.8



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

