

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061820\
 Data File : VU038962.D
 Acq On : 18 Jun 2020 11:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Jun 19 01:08:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 16:52:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	345636	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	343085	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	219635	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96087	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.93	69	98525	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.59	63	211182	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	4.67	46	347259	45.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.44%
24) Chloroform-d	5.10	84	204551	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.74	65	119420	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.76	84	388607	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.72	67	121102	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.92	98	350524	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.20	79	55313	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.66	63	308604	46.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114881	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	166661	4.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	158582	4.863 ug/L	100
3) Chloromethane	1.54	50	139582	4.306 ug/L	99
5) Vinyl chloride	1.62	62	154860	4.771 ug/L	99
6) Bromomethane	1.88	94	67673	3.669 ug/L	97
8) Chloroethane	1.95	64	115116	5.586 ug/L	99
9) Trichlorofluoromethane	2.16	101	254310	5.156 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	124547	4.910 ug/L	98
12) 1,1-Dichloroethene	2.61	96	115296	4.744 ug/L	97
13) Acetone	2.67	43	256535	49.020 ug/L	99
14) Carbon disulfide	2.82	76	399595	4.872 ug/L	99
15) Methyl Acetate	2.98	43	86604	6.767 ug/L #	88
16) Methylene chloride	3.08	84	135865	4.860 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	302863	4.740 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	120875	4.739 ug/L	99
19) 1,1-Dichloroethane	3.91	63	226593	4.893 ug/L	98
21) 2-Butanone	4.75	43	398988	48.195 ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	128210	4.894 ug/L	99

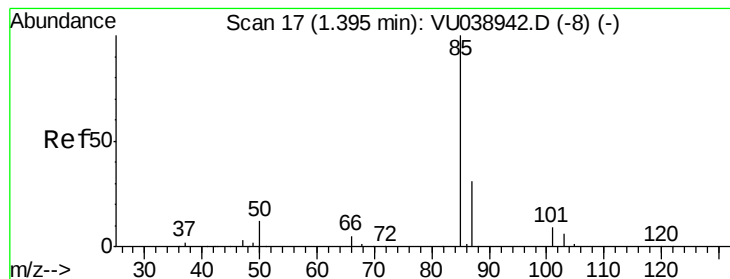
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U061820\
 Data File : VU038962.D
 Acq On : 18 Jun 2020 11:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Jun 19 01:08:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 16:52:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	59300	4.779	ug/L	96
25) Chloroform	5.13	83	226353	4.799	ug/L	98
27) 1,2-Dichloroethane	5.83	62	164345	4.787	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	201576	4.736	ug/L	98
30) Cyclohexane	5.43	56	196952	4.877	ug/L	99
31) Carbon tetrachloride	5.56	117	175350	4.674	ug/L	99
33) Benzene	5.81	78	493502	4.815	ug/L	100
34) Trichloroethene	6.57	95	127744	4.913	ug/L	96
35) Methylcyclohexane	6.79	83	206246	5.003	ug/L	99
37) 1,2-Dichloropropane	6.82	63	129726	4.847	ug/L	99
38) Bromodichloromethane	7.13	83	164647	4.731	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	189186	4.811	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	917795	49.767	ug/L	99
42) Toluene	8.00	91	525160	4.948	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	176496	4.882	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	97353	4.900	ug/L	99
47) Tetrachloroethene	8.58	164	99120	4.920	ug/L	98
48) 2-Hexanone	8.71	43	724728	51.874	ug/L	99
49) Dibromochloromethane	8.83	129	114303	4.803	ug/L	98
50) 1,2-Dibromoethane	8.95	107	97016	4.884	ug/L	99
51) Chlorobenzene	9.47	112	328117	4.755	ug/L	99
52) Ethylbenzene	9.59	91	570788	4.971	ug/L	99
53) m,p-Xylene	9.71	106	221530	5.000	ug/L	99
54) o-Xylene	10.12	106	212797	5.013	ug/L	98
55) Styrene	10.13	104	375633	5.135	ug/L	99
56) Isopropylbenzene	10.50	105	571075	5.055	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	128712	4.693	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	96068	4.654	ug/L	96
61) Bromoform	10.31	173	67257	3.784	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	323563	4.737	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	340156	4.839	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	340045	5.044	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	23852	3.509	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	209876	3.774	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	182717	3.639	ug/L	97
69) Naphthalene	14.12	128	346432	3.569	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	175587	3.774	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.863 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

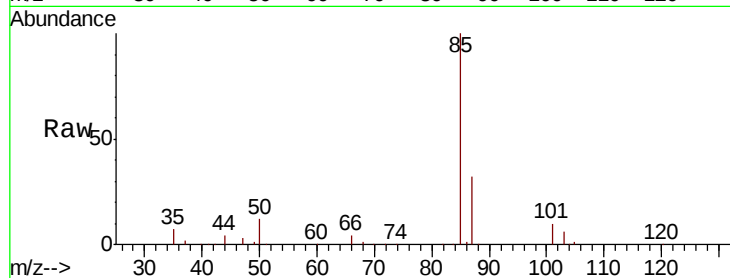
VSTD00530

Tot Ion: 85 Resp: 158582

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU038942.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038942.D (-8) (-)

1.40

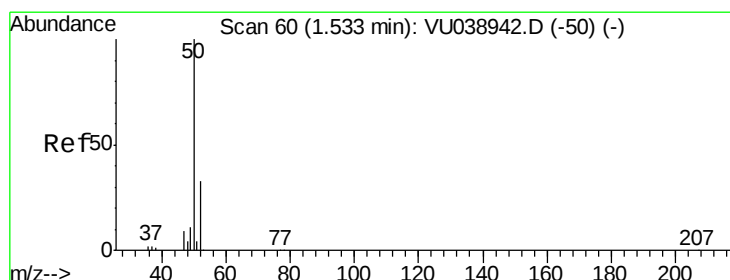
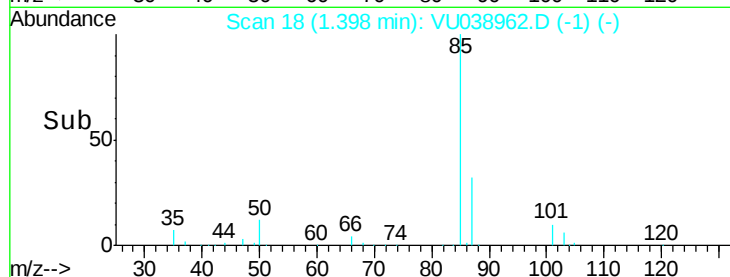
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.306 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU038962.D

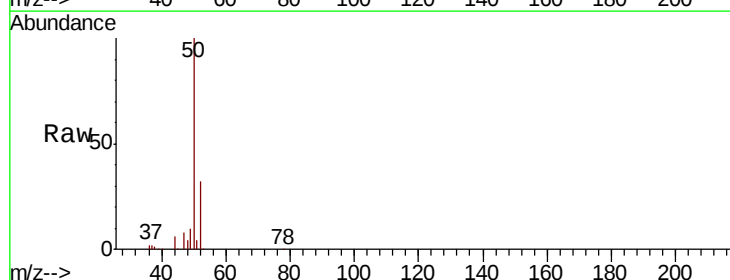
Acq: 18 Jun 2020 11:15

Tgt Ion: 50 Resp: 139582

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU038942.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038942.D (-50) (-)

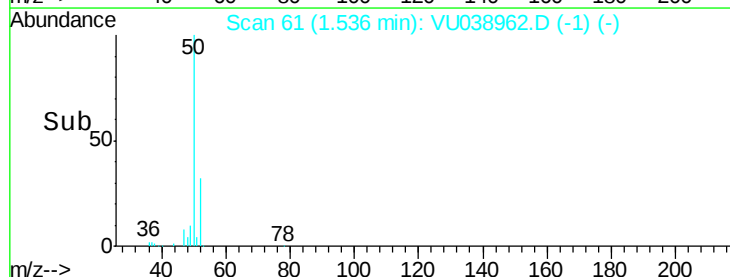
1.54

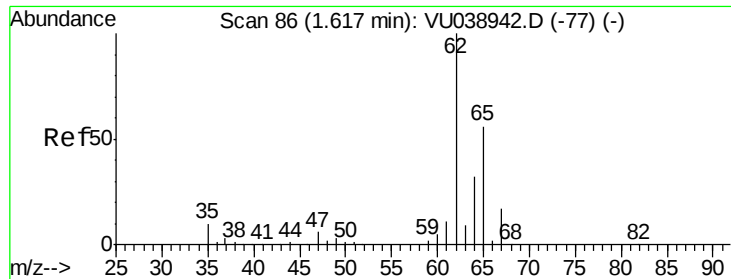
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.771 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

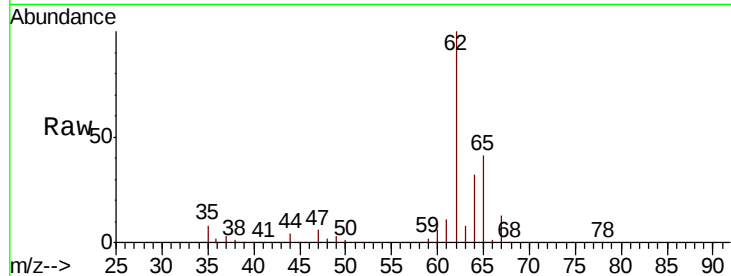
VSTD00530

Tot Ion: 62 Resp: 154860

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

150000

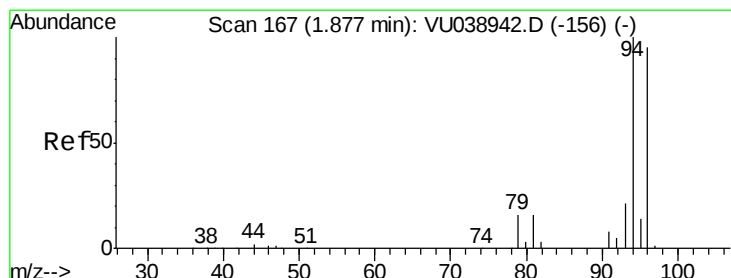
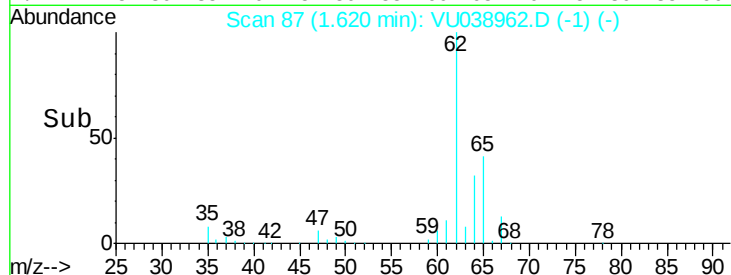
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 3.669 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038962.D

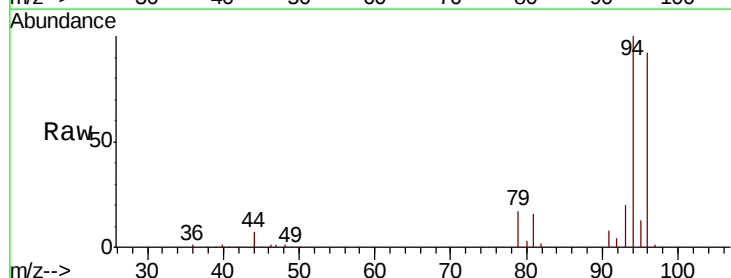
Acq: 18 Jun 2020 11:15

Tgt Ion: 94 Resp: 67673

Ion Ratio Lower Upper

94 100

96 92.0 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

30000

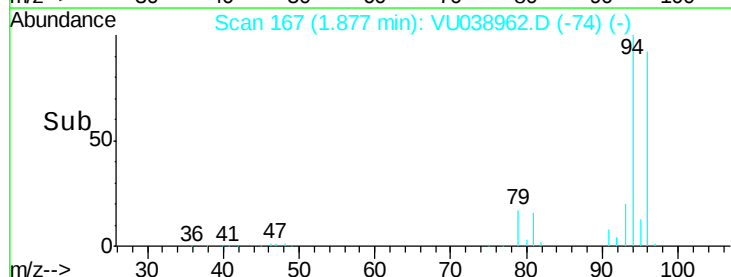
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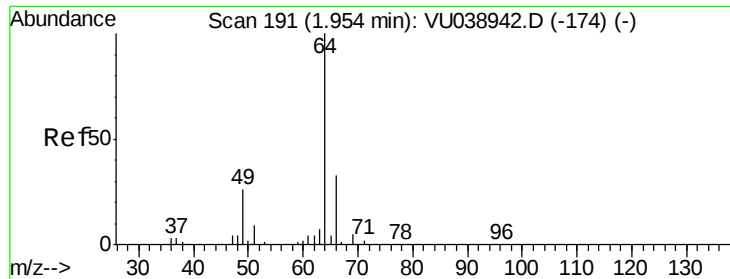
10000

0

1.80 1.85 1.90 1.95

Time-->

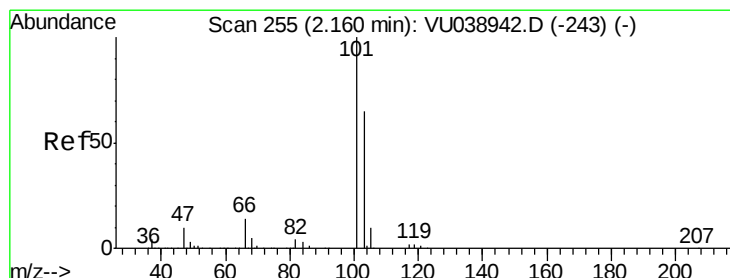
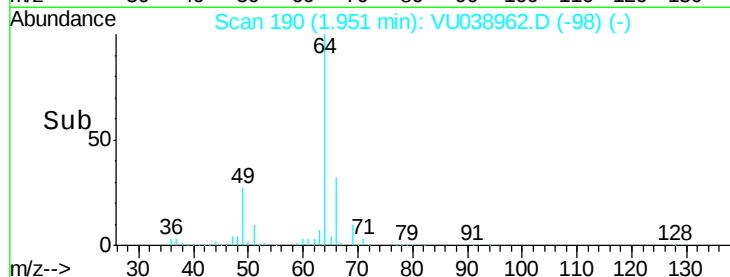
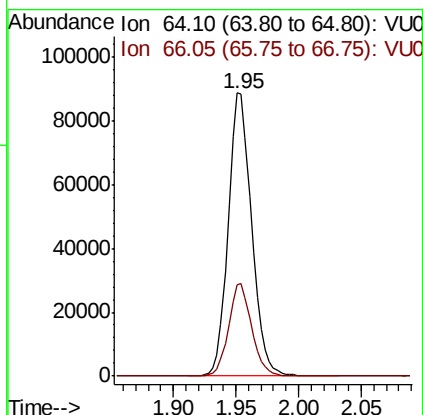
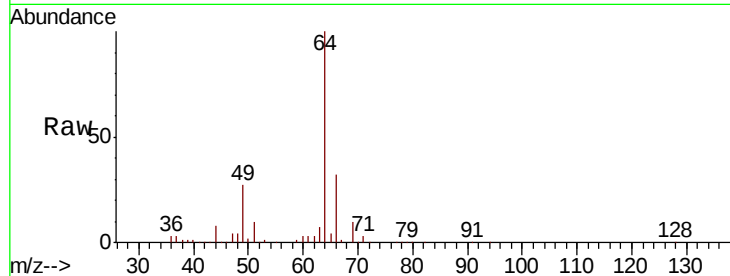




#8
Chloroethane
Concen: 5.586 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

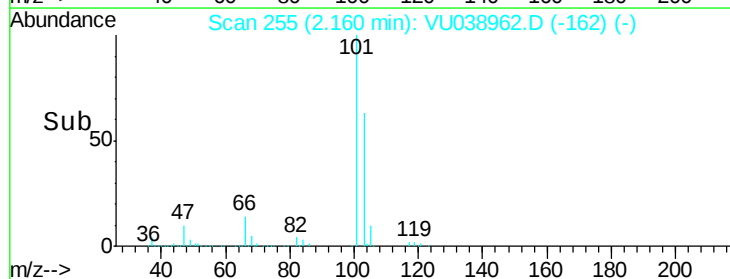
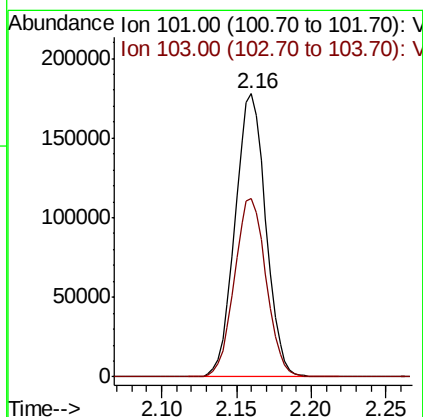
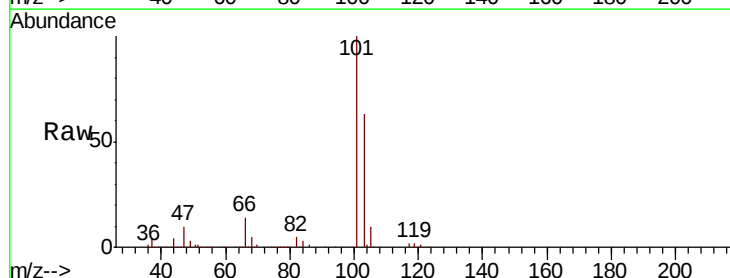
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

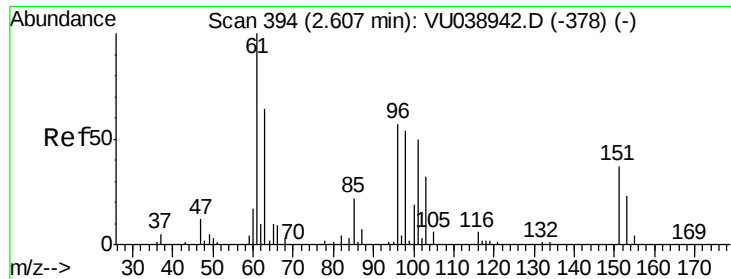
Tot Ion: 64 Resp: 115116
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.156 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion:101 Resp: 254310
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2





#10

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

Concen: 4.910 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

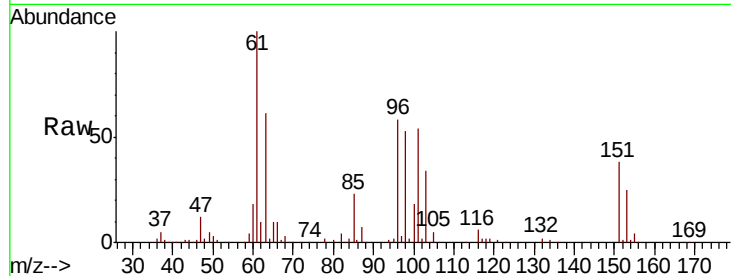
Tot Ion:101 Resp: 124547

Ion Ratio Lower Upper

101 100

85 43.5 35.7 53.5

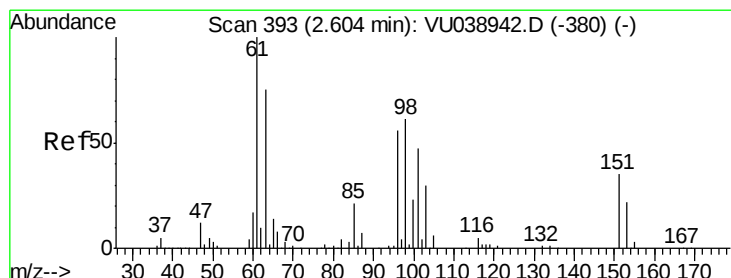
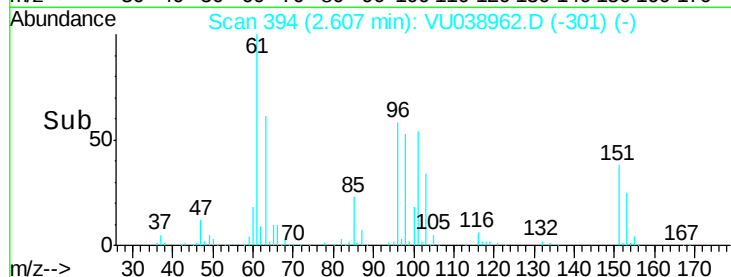
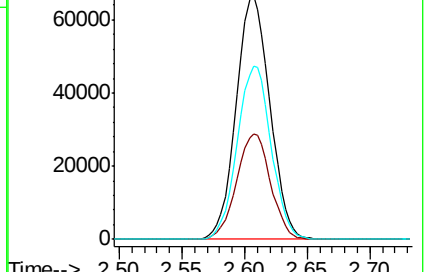
151 71.4 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): VU038962.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU038962.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU038962.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 4.744 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

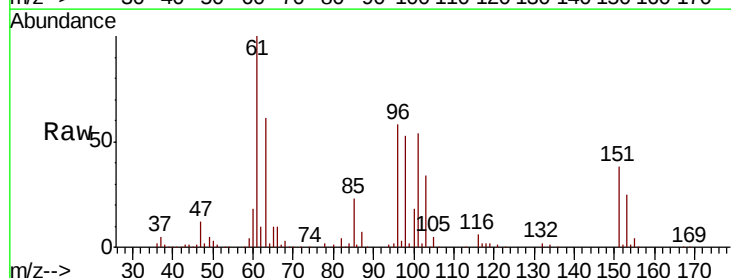
Tgt Ion: 96 Resp: 115296

Ion Ratio Lower Upper

96 100

61 173.6 120.3 223.5

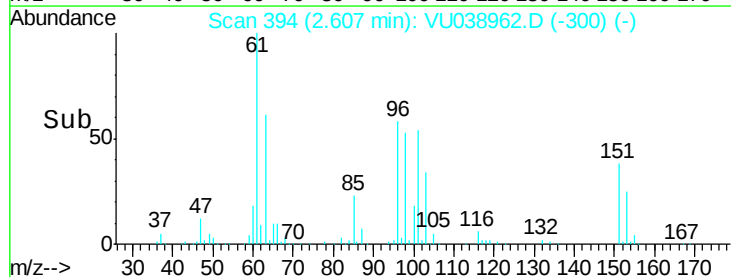
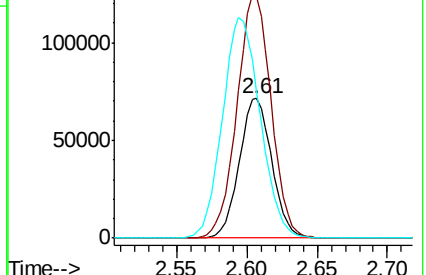
63 106.2 78.7 146.1

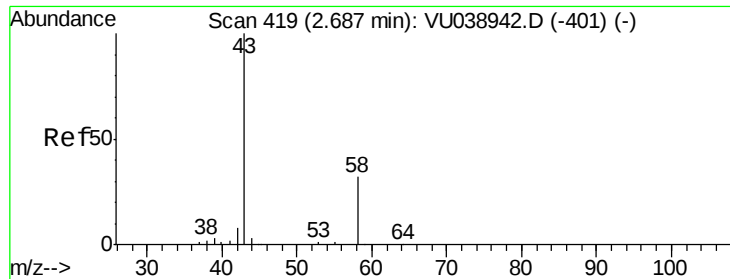


Abundance Ion 96.00 (95.70 to 96.70): VU038962.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU038962.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU038962.D (-300) (-)





#13

Acetone

Concen: 49.020 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

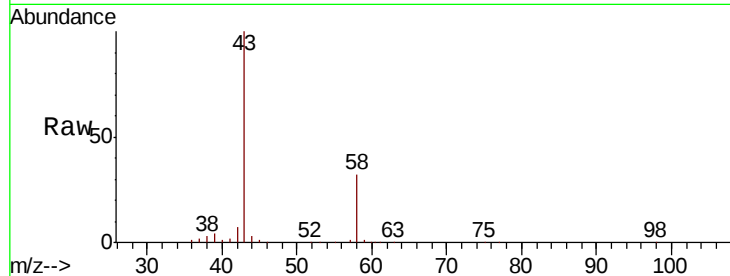
VSTD00530

Tot Ion: 43 Resp: 256535

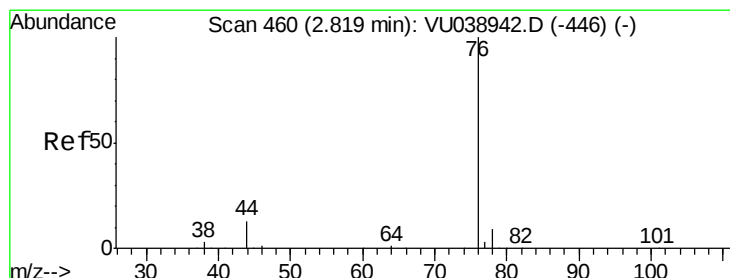
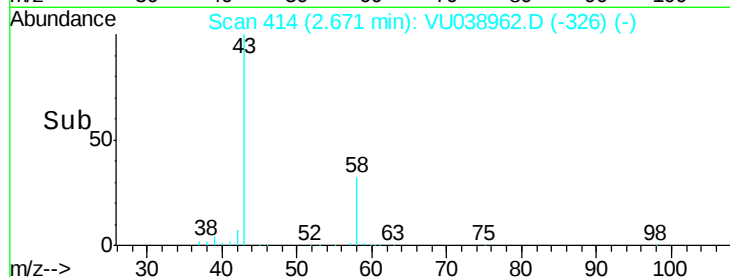
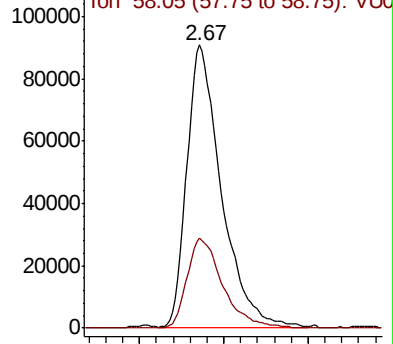
Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU038962.D (-326) (-)



#14

Carbon disulfide

Concen: 4.872 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038962.D

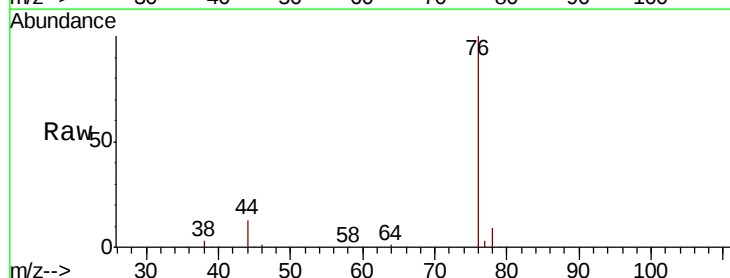
Acq: 18 Jun 2020 11:15

Tgt Ion: 76 Resp: 399595

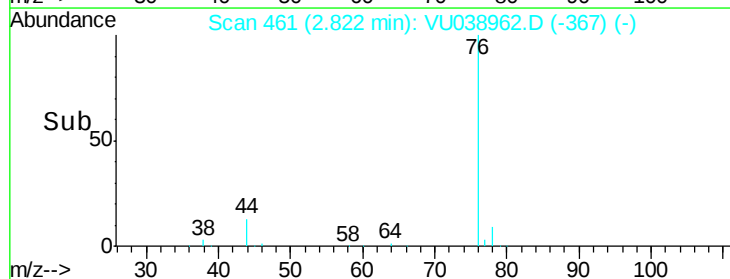
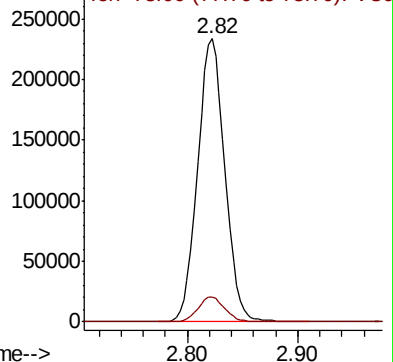
Ion Ratio Lower Upper

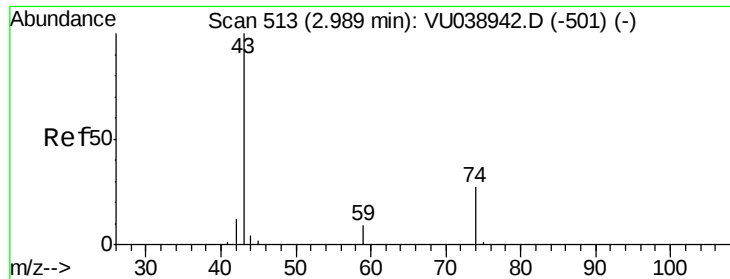
76 100

78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU038962.D (-367) (-)

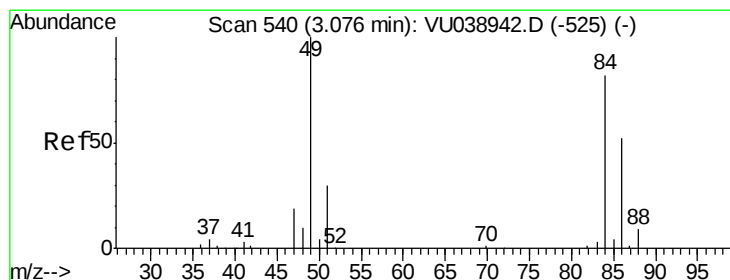
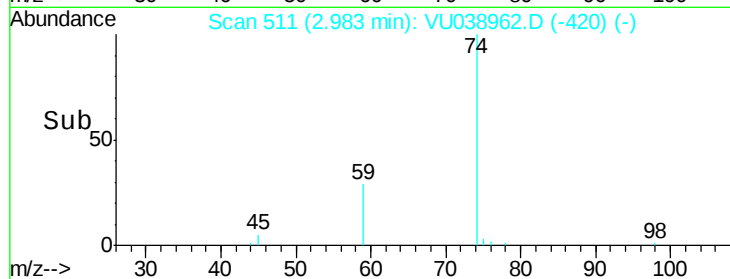
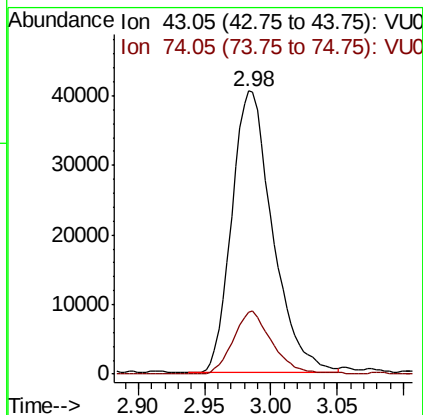
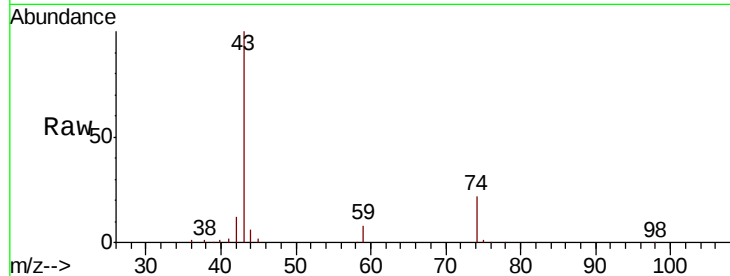




#15
Methvl Acetate
Concen: 6.767 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.01 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

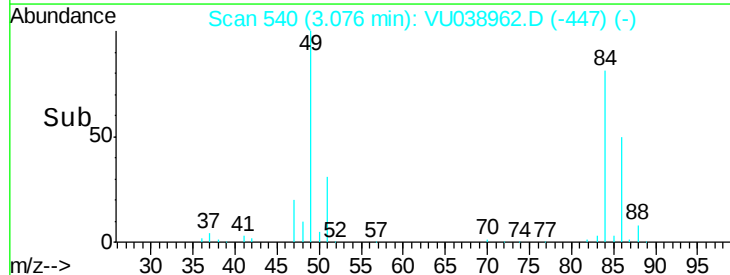
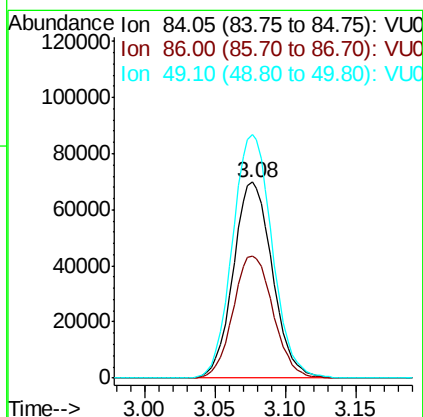
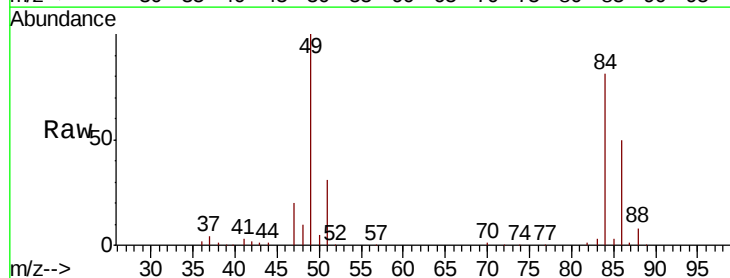
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

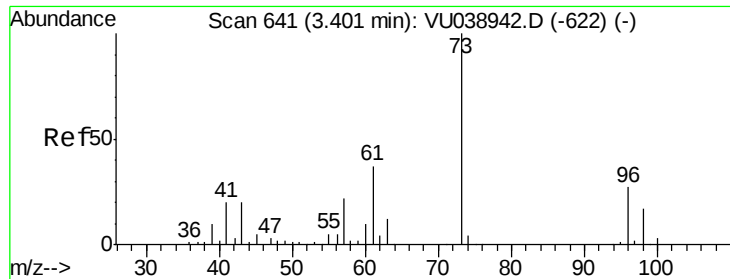
Tot Ion: 43 Resp: 86604
Ion Ratio Lower Upper
43 100
74 21.6 22.2 33.2#



#16
Methylene chloride
Concen: 4.860 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion: 84 Resp: 135865
Ion Ratio Lower Upper
84 100
86 62.1 45.1 83.7
49 124.2 83.7 155.4

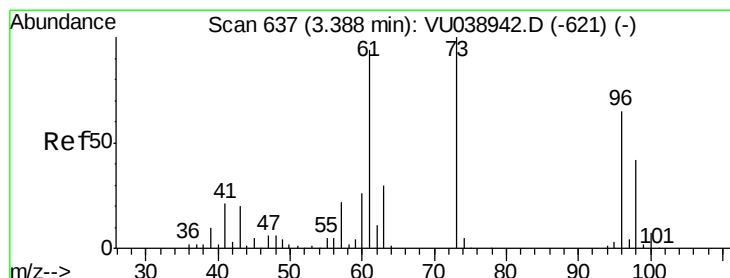
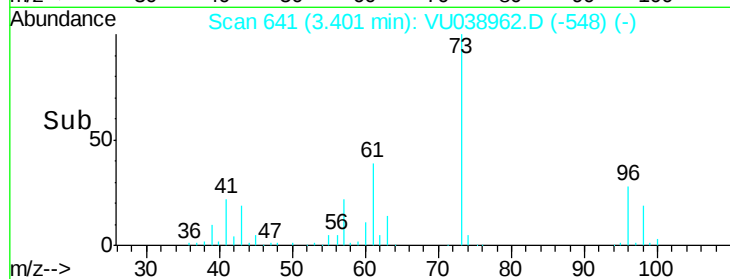
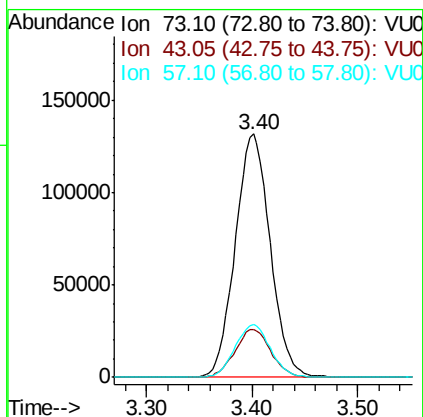
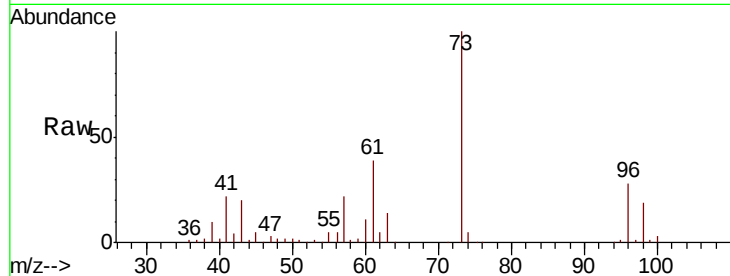




#17
Methvl tert-butvl Ether
Concen: 4.740 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

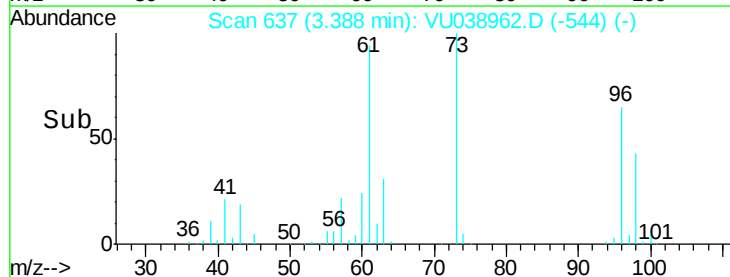
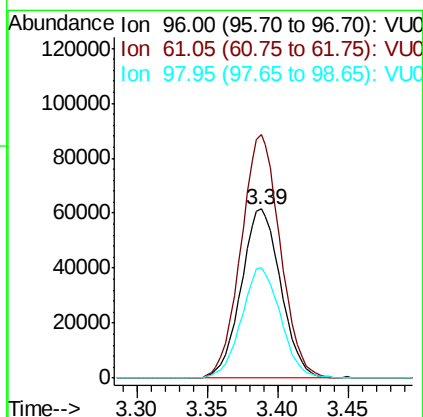
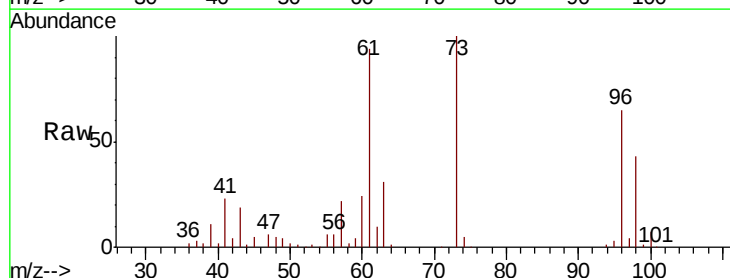
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

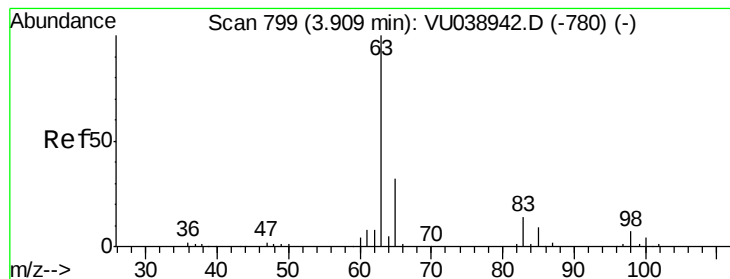
Tot Ion: 73 Resp: 302863
Ion Ratio Lower Upper
73 100
43 20.2 17.0 25.4
57 22.1 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 4.739 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion: 96 Resp: 120875
Ion Ratio Lower Upper
96 100
61 143.9 100.3 186.3
98 65.2 45.4 84.2





#19

1,1-Dichloroethane

Concen: 4.893 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

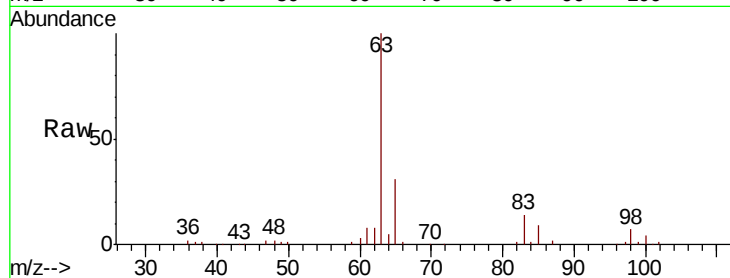
Tot Ion: 63 Resp: 226593

Ion Ratio Lower Upper

63 100

65 31.0 22.8 42.4

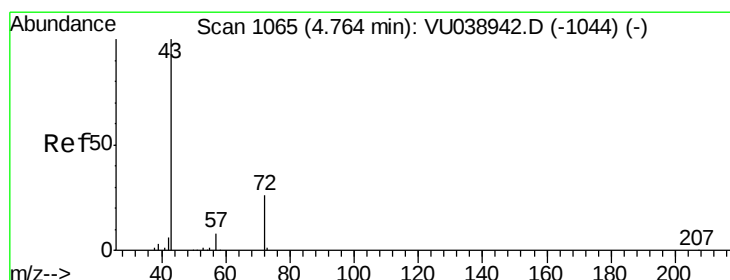
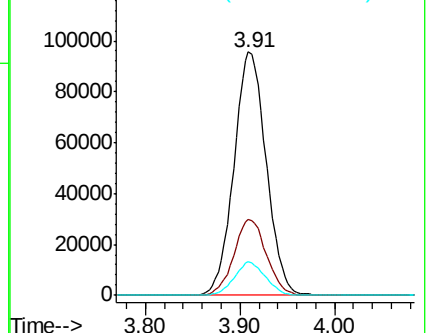
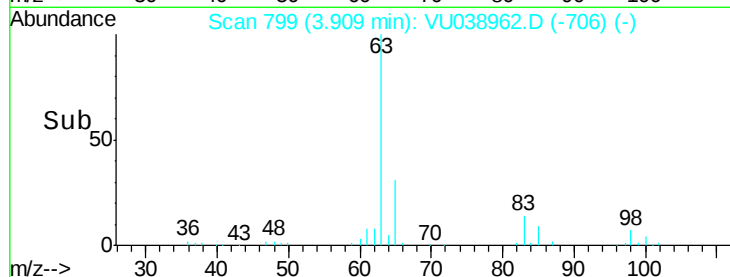
83 13.8 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU038962.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038962.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038962.D (-706) (-)



#21

2-Butanone

Concen: 48.195 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.01 min

Lab File: VU038962.D

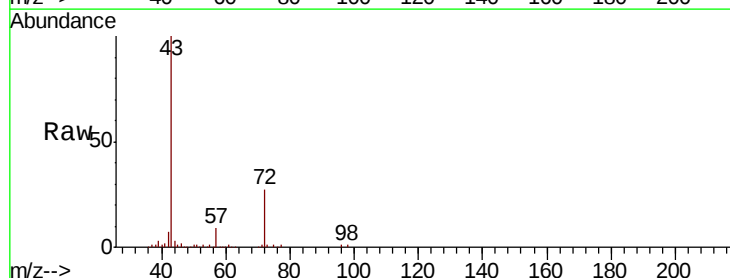
Acq: 18 Jun 2020 11:15

Tgt Ion: 43 Resp: 398988

Ion Ratio Lower Upper

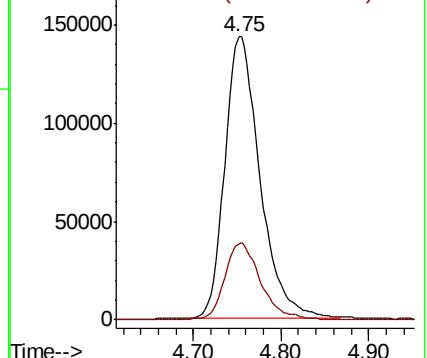
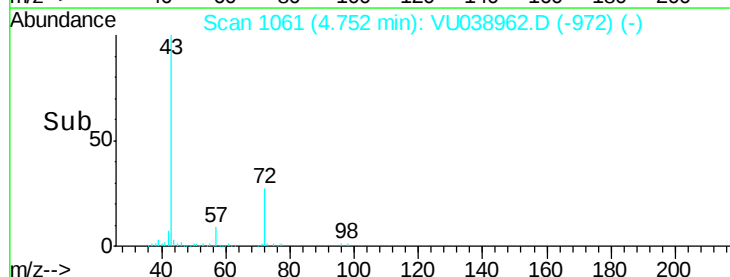
43 100

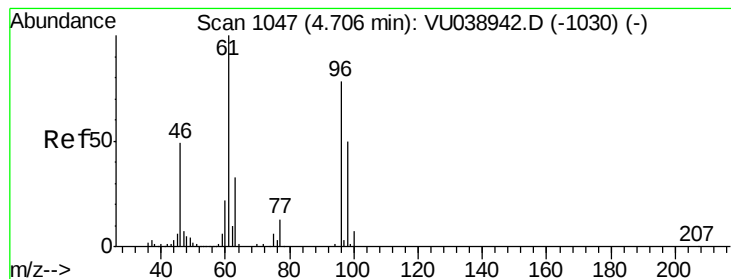
72 28.4 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU038962.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU038962.D (-972) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.894 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

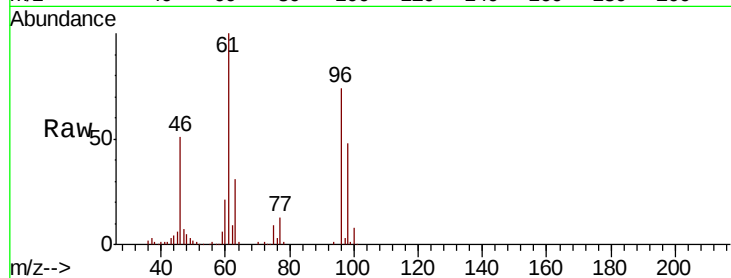
Tot Ion: 96 Resp: 128210

Ion Ratio Lower Upper

96 100

61 134.4 93.7 173.9

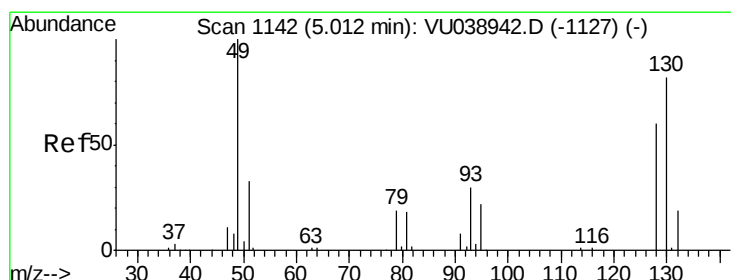
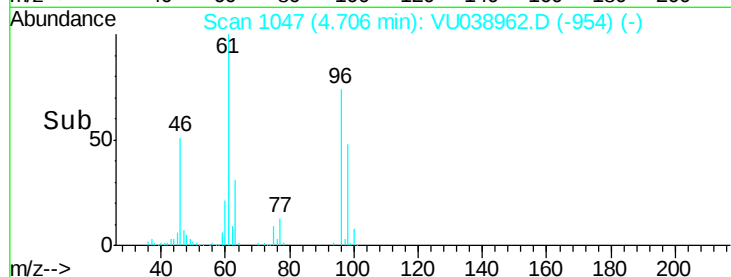
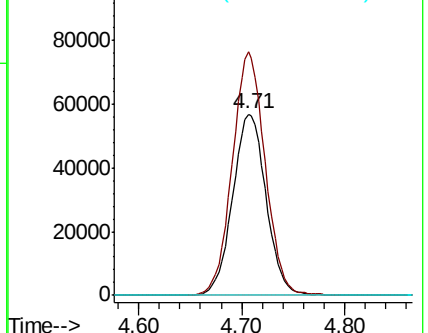
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038962.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038962.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038962.D (-954) (-)



#23

Bromochloromethane

Concen: 4.779 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Tgt Ion: 128 Resp: 59300

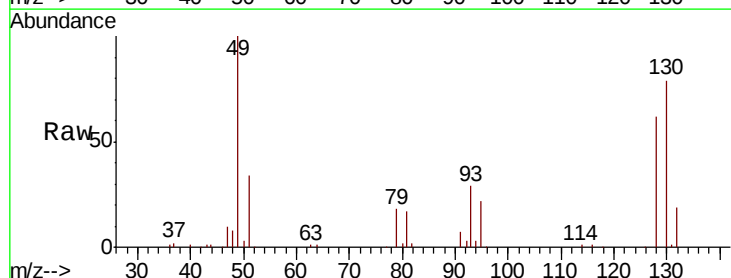
Ion Ratio Lower Upper

128 100

49 161.6 117.4 218.0

130 128.4 87.8 163.2

51 54.5 39.1 58.7

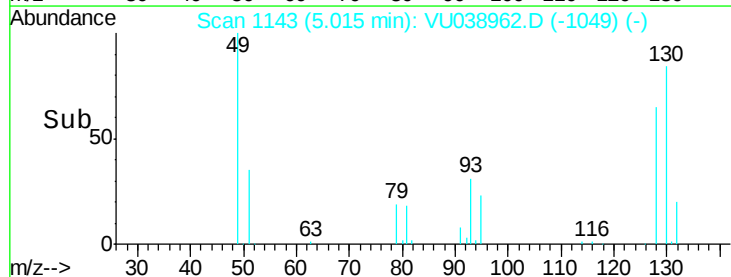
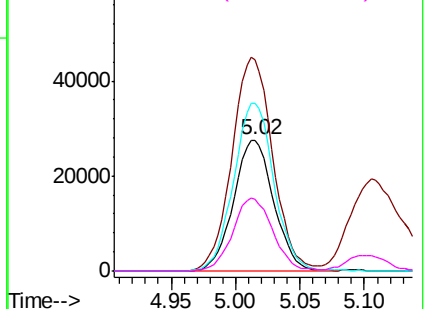


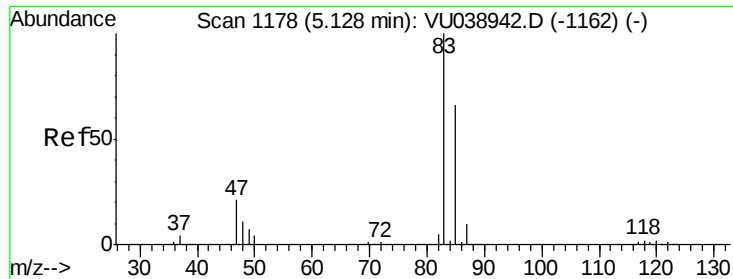
Abundance Ion 127.90 (127.60 to 128.60): VU038962.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038962.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038962.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038962.D (-1049) (-)

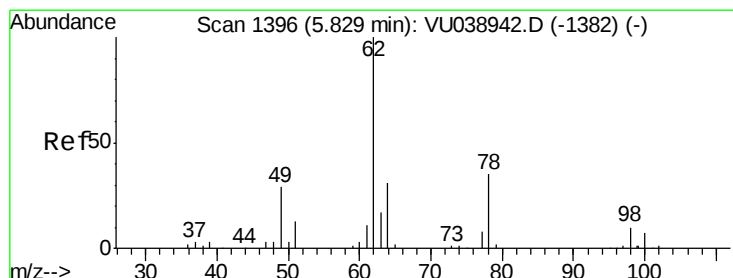
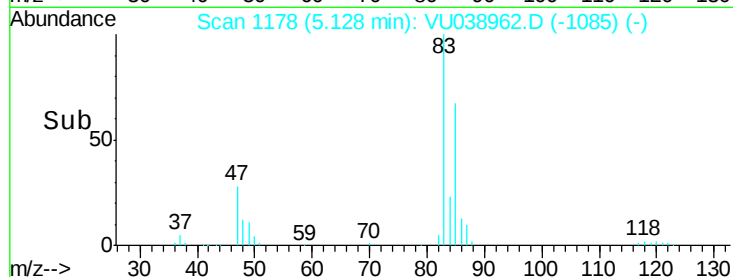
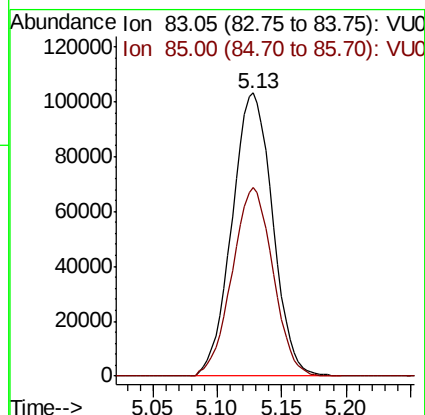
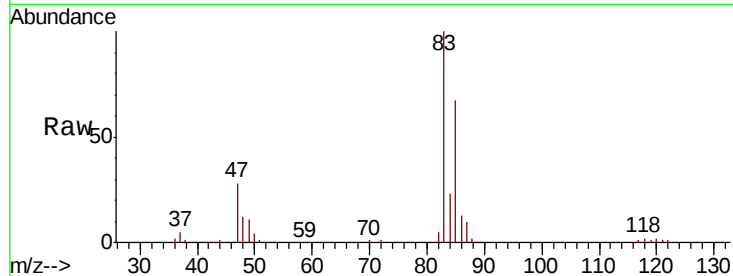




#25
Chloroform
Concen: 4.799 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

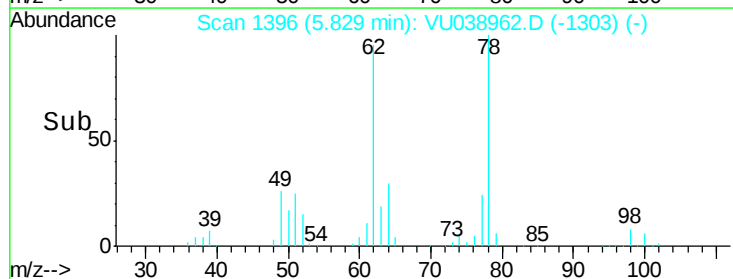
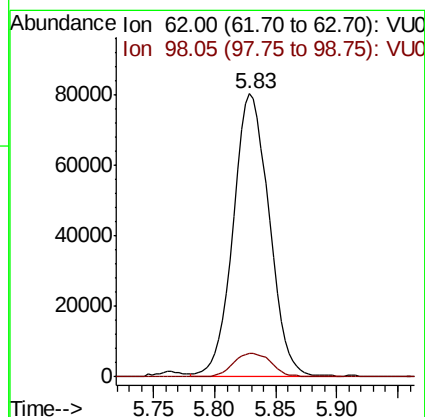
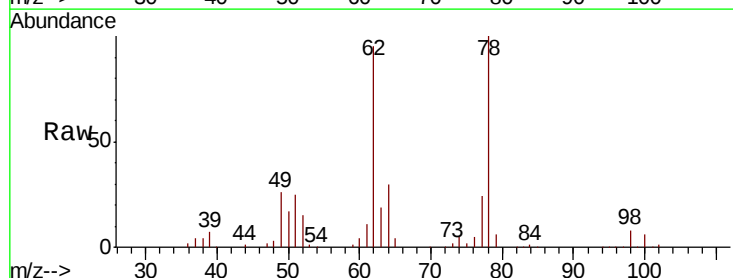
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

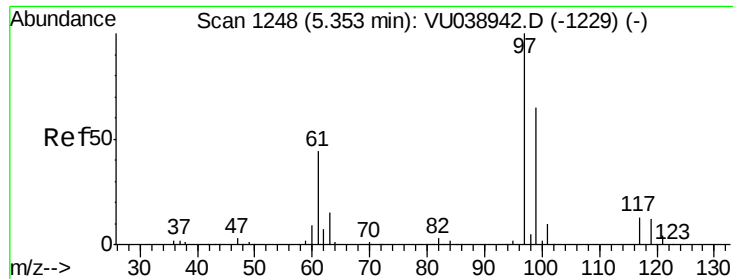
Tot Ion: 83 Resp: 226353
Ion Ratio Lower Upper
83 100
85 66.8 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.787 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion: 62 Resp: 164345
Ion Ratio Lower Upper
62 100
98 8.4 7.6 11.4

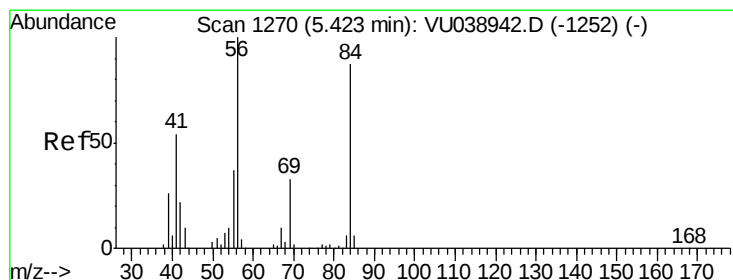
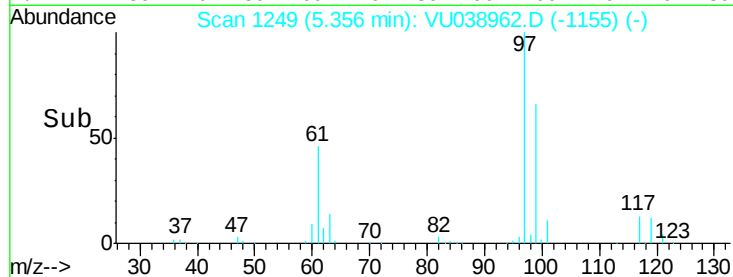
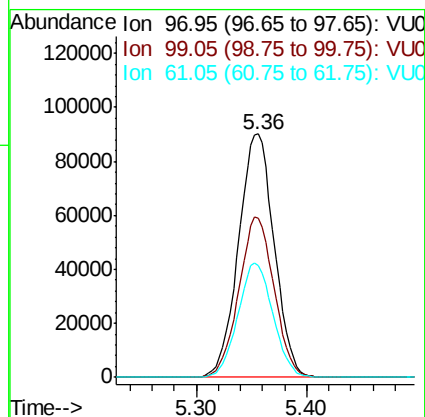
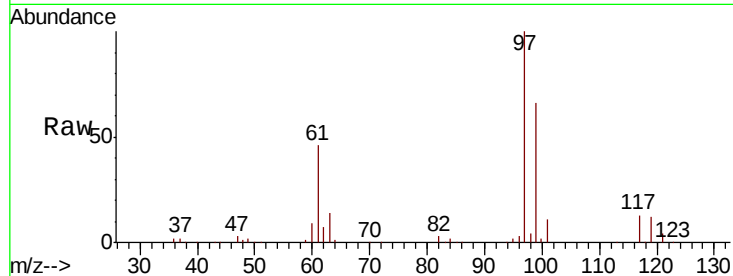




#29
 1,1,1-Trichloroethane
 Concen: 4.736 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

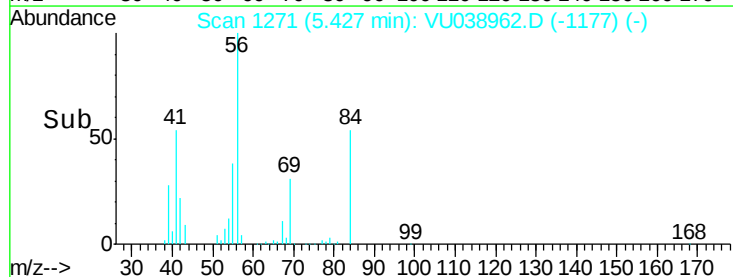
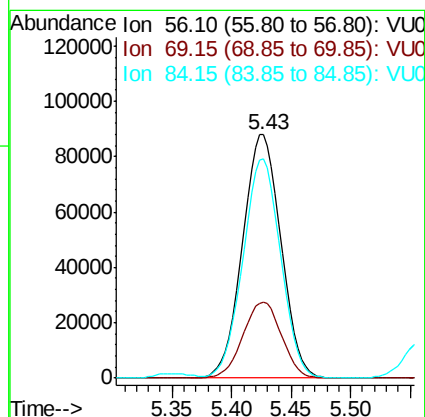
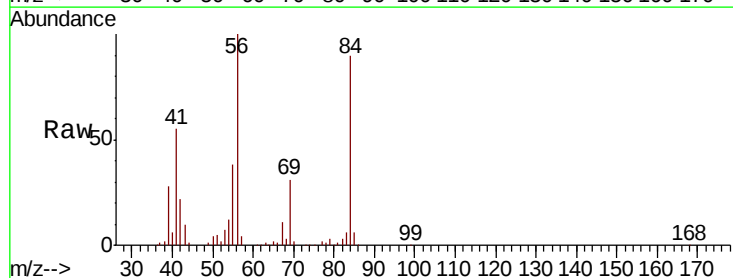
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

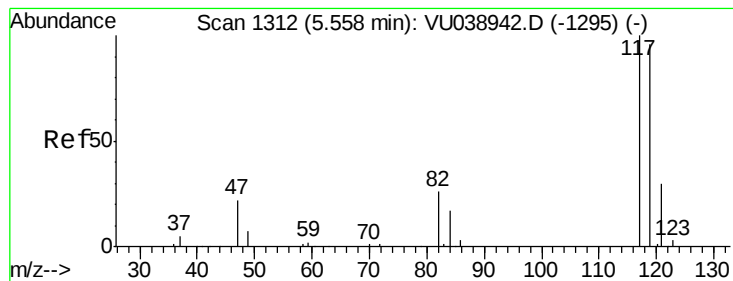
Tot Ion: 97 Resp: 201576
 Ion Ratio Lower Upper
 97 100
 99 65.3 50.8 76.2
 61 46.3 35.6 53.4



#30
 Cyclohexane
 Concen: 4.877 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

Tgt Ion: 56 Resp: 196952
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.0 37.4
 84 88.3 72.0 108.0





#31

Carbon tetrachloride

Concen: 4.674 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

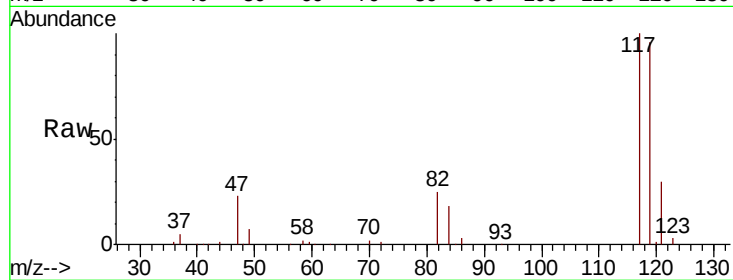
VSTD00530

Tot Ion:117 Resp: 175350

Ion Ratio Lower Upper

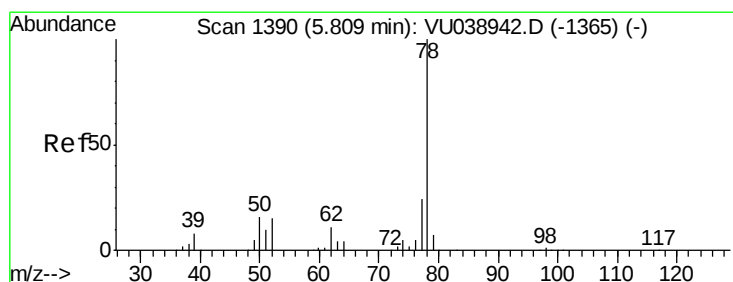
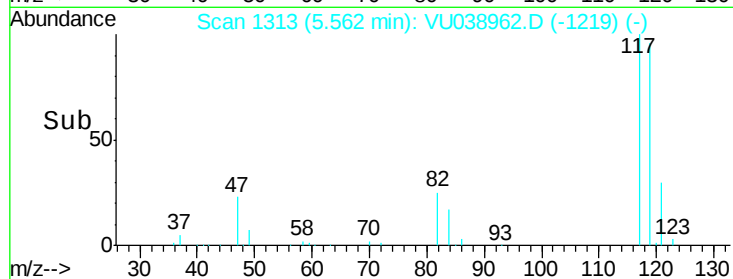
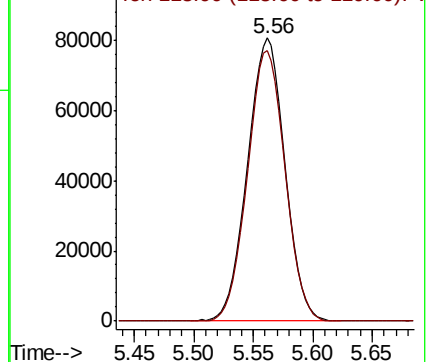
117 100

119 96.0 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.815 ug/L

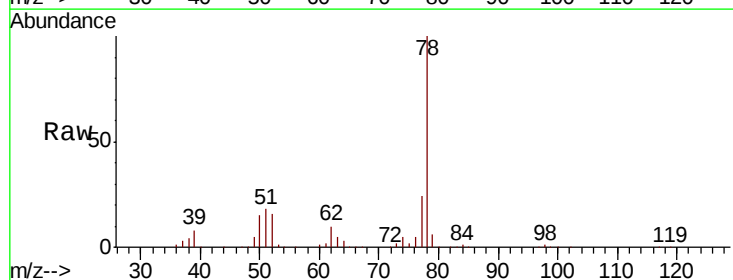
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

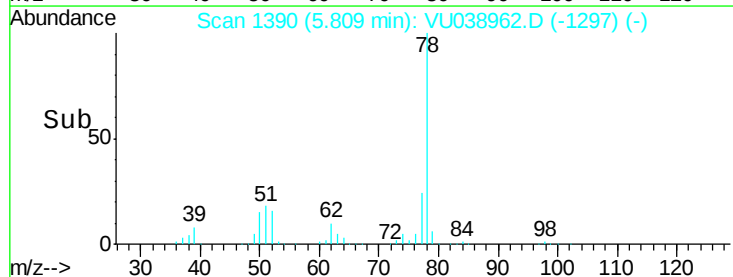
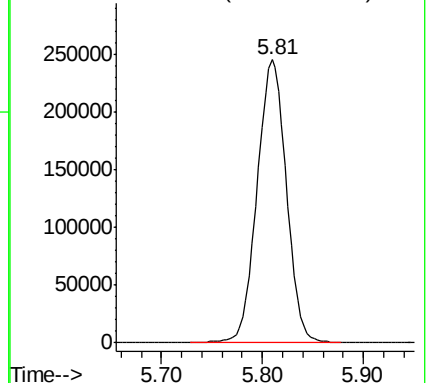
Lab File: VU038962.D

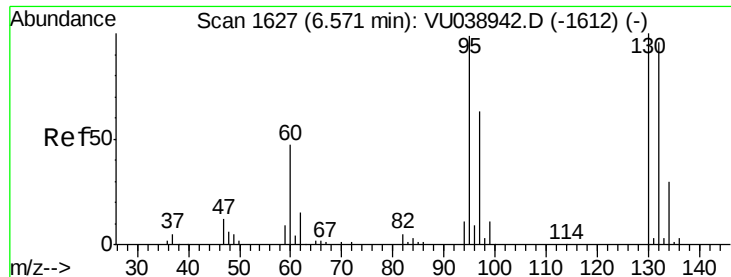
Acq: 18 Jun 2020 11:15

Tgt Ion: 78 Resp: 493502



Abundance Ion 78.10 (77.80 to 78.80): VU0

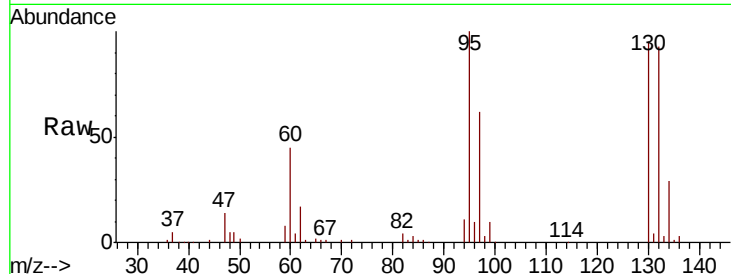




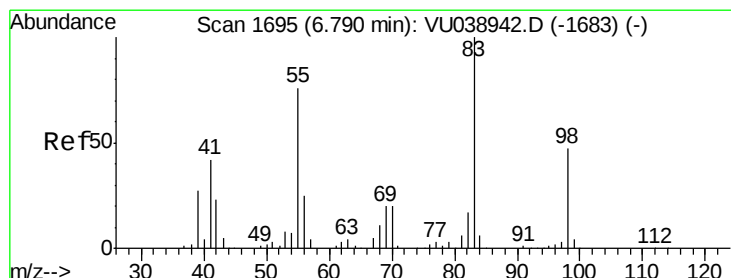
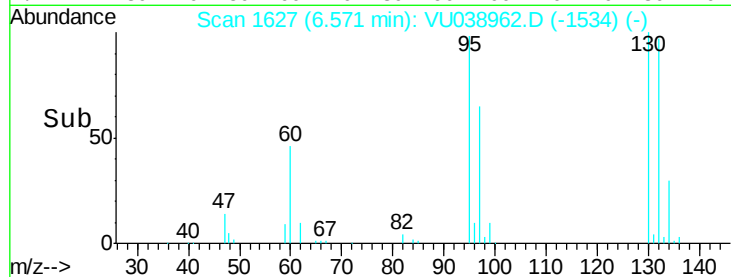
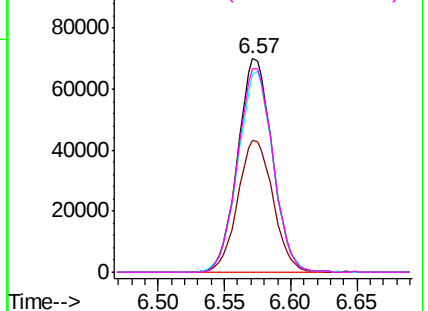
#34
 Trichloroethene
 Concen: 4.913 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 95 Resp: 127744
 Ion Ratio Lower Upper
 95 100
 97 61.8 45.4 84.4
 132 92.7 68.4 127.0
 130 95.2 69.6 129.2

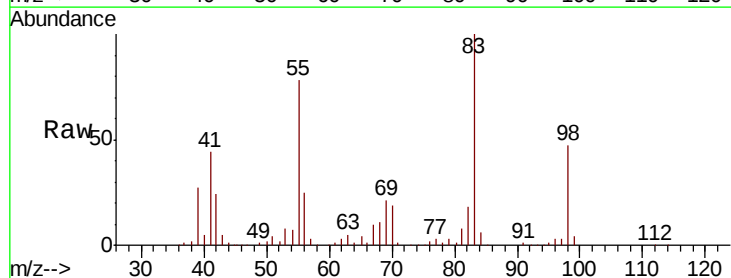


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

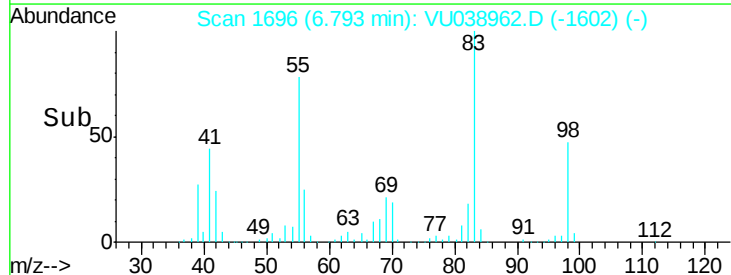
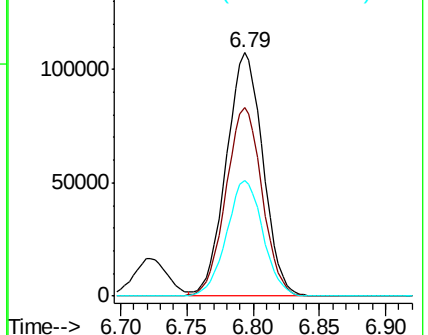


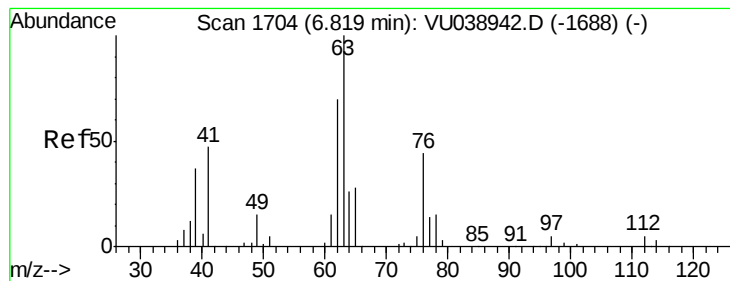
#35
 Methylcyclohexane
 Concen: 5.003 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

Tgt Ion: 83 Resp: 206246
 Ion Ratio Lower Upper
 83 100
 55 76.8 61.8 92.8
 98 47.2 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: 4.847 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

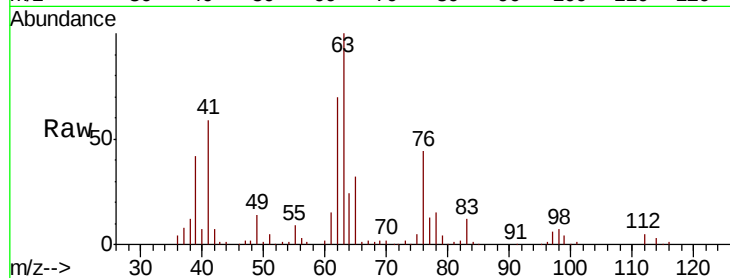
VSTD00530

Tot Ion: 63 Resp: 129726

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VU038962.D (-1611) (-)

Ion 112.10 (111.80 to 112.80): VU038962.D (-1611) (-)

6.82

80000

60000

40000

20000

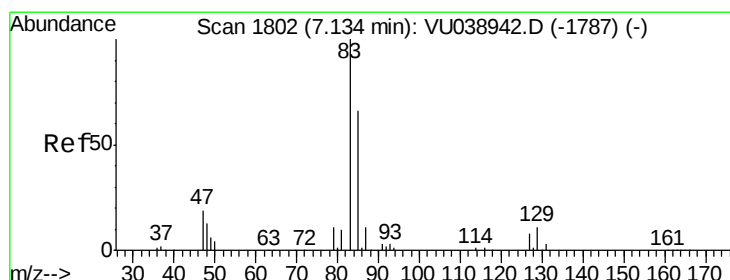
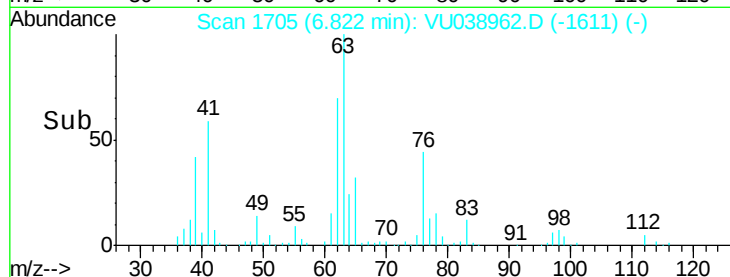
0

Time-->

6.70

6.80

6.90



#38

Bromodichloromethane

Concen: 4.731 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

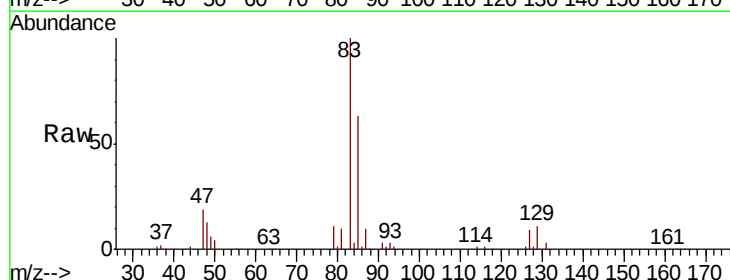
Tgt Ion: 83 Resp: 164647

Ion Ratio Lower Upper

83 100

85 63.2 45.0 83.6

127 8.7 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU038962.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038962.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038962.D (-1709) (-)

7.13

120000

100000

80000

60000

40000

20000

0

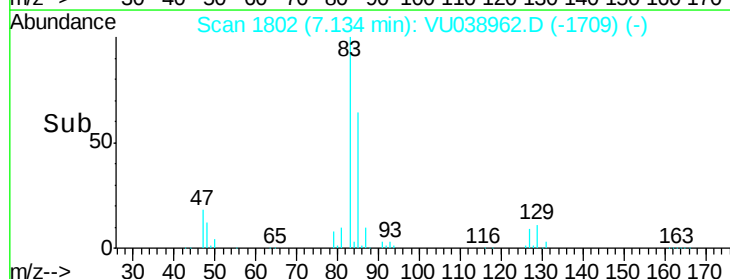
Time-->

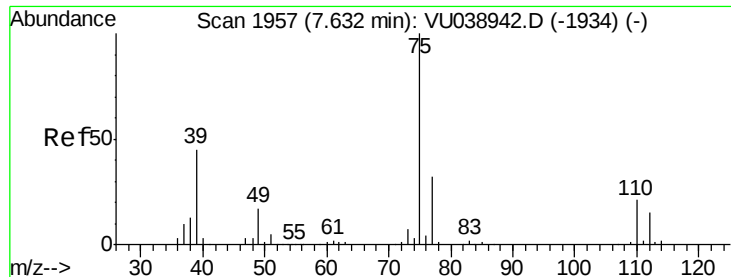
7.05

7.10

7.15

7.20

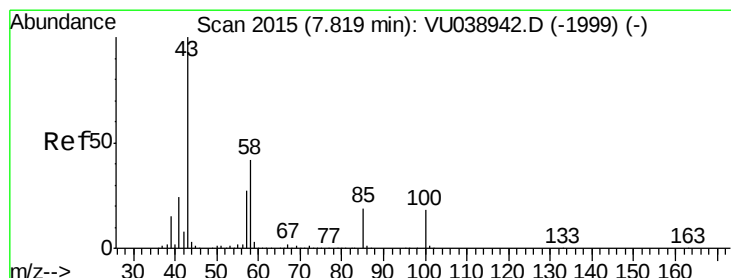
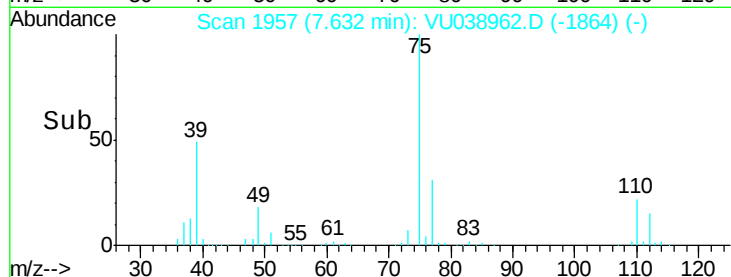
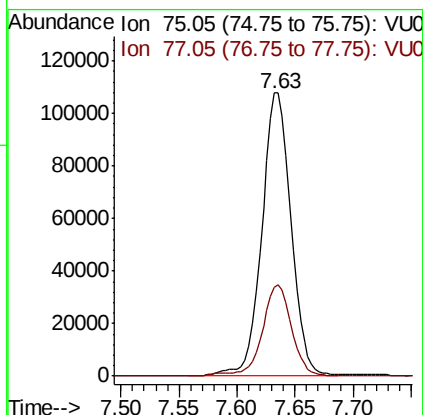
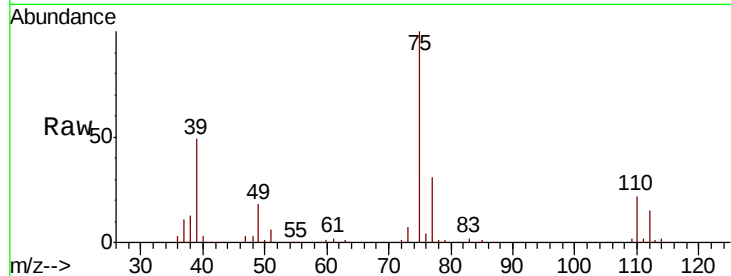




#39
 cis-1,3-Dichloropropene
 Concen: 4.811 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

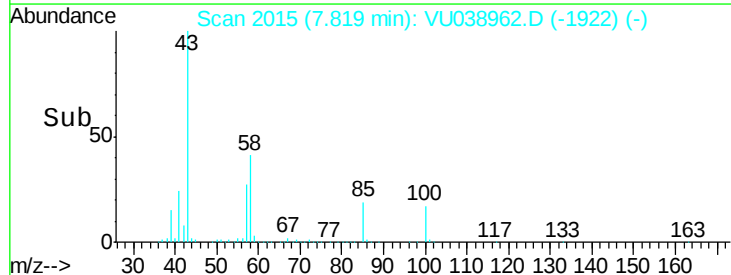
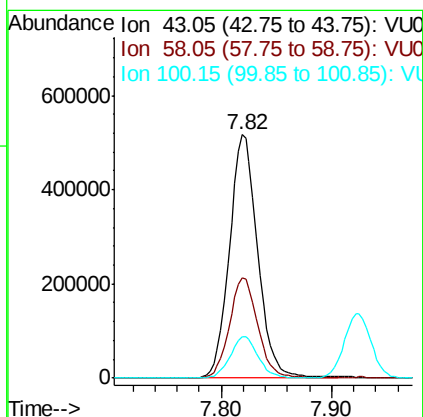
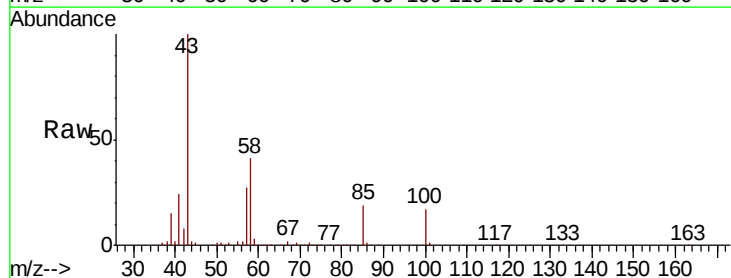
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

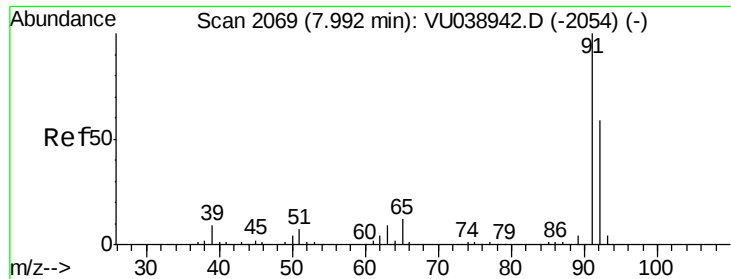
Tot Ion: 75 Resp: 189186
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 49.767 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

Tgt Ion: 43 Resp: 917795
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.6 49.0
 100 16.9 13.4 20.2





#42

Toluene

Concen: 4.948 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

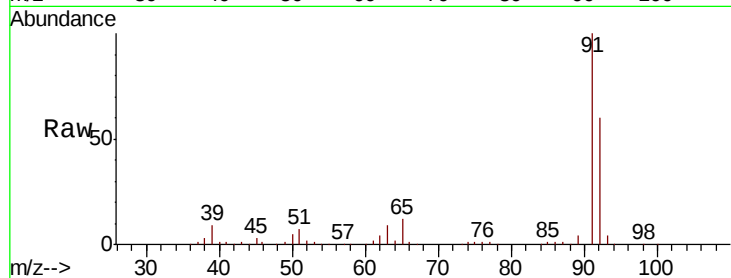
VSTD00530

Tot Ion: 91 Resp: 525160

Ion Ratio Lower Upper

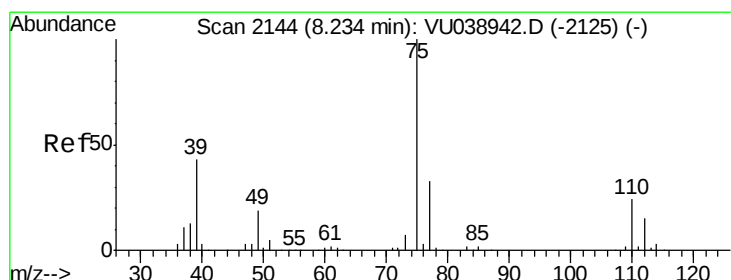
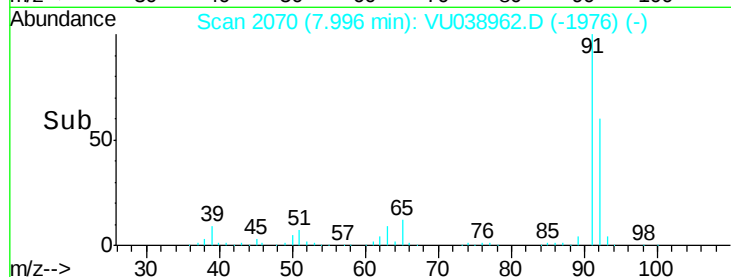
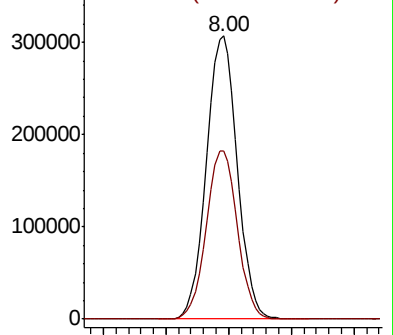
91 100

92 59.6 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038942.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038942.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.882 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038962.D

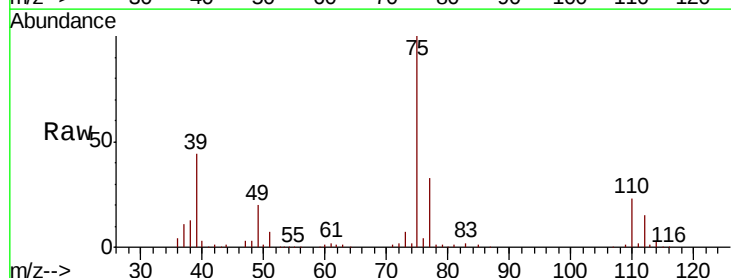
Acq: 18 Jun 2020 11:15

Tgt Ion: 75 Resp: 176496

Ion Ratio Lower Upper

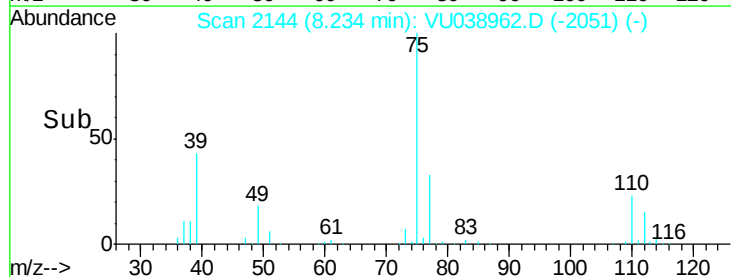
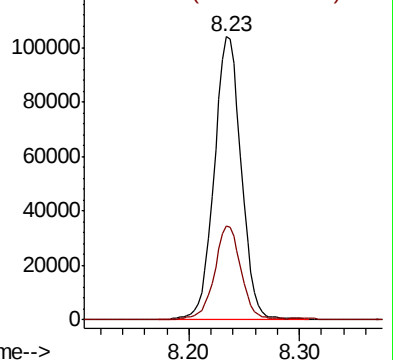
75 100

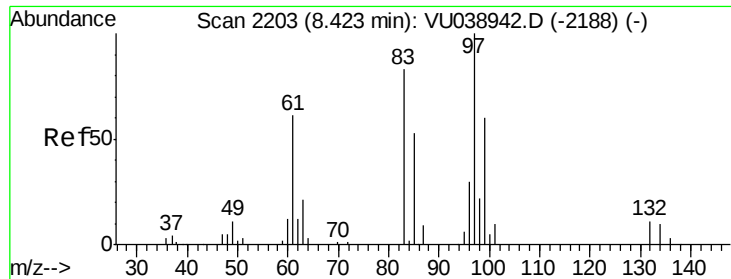
77 33.3 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU038942.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038942.D (-2125) (-)

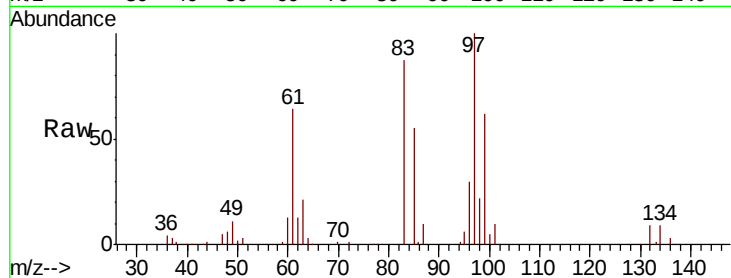




#45
1,1,2-Trichloroethane
Concen: 4.900 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:	97	Resp:	97353
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.1	81.9
83	87.4	61.2	113.8
85	55.0	37.7	70.1

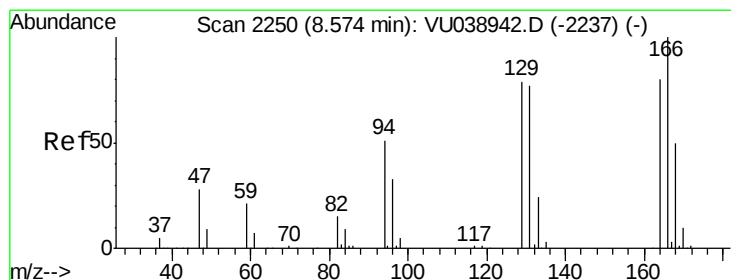
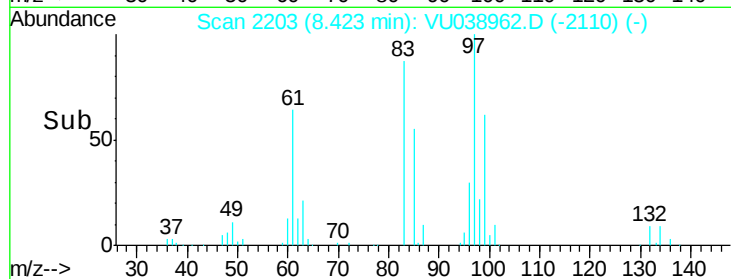
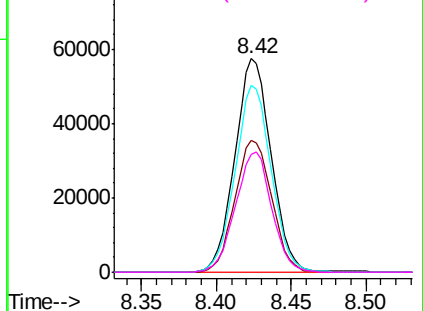


Abundance Ion 96.95 (96.65 to 97.65): VU038962.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038962.D (-2110) (-)

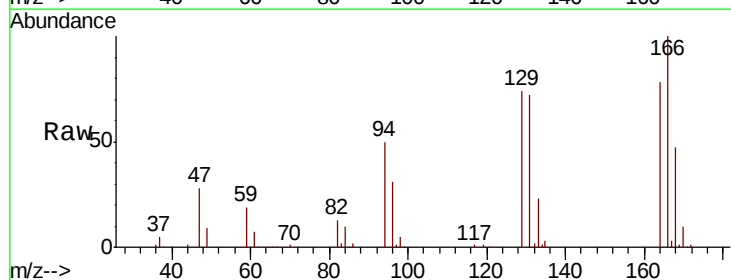
Ion 82.95 (82.65 to 83.65): VU038962.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038962.D (-2110) (-)



#47
Tetrachloroethene
Concen: 4.920 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion:	164	Resp:	99120
Ion	Ratio	Lower	Upper
164	100		
129	95.0	66.1	122.8
131	92.5	65.7	122.1
166	128.4	93.0	172.8

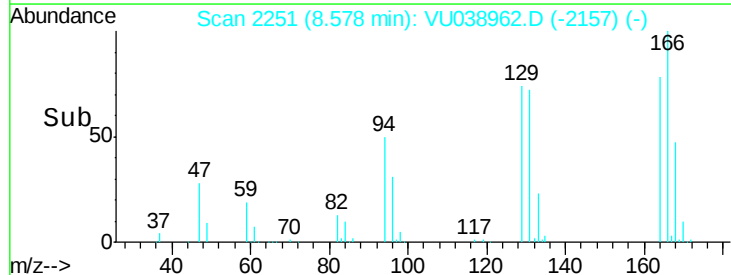
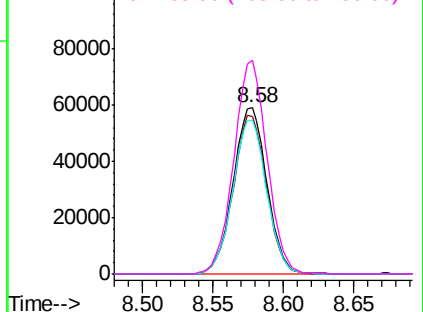


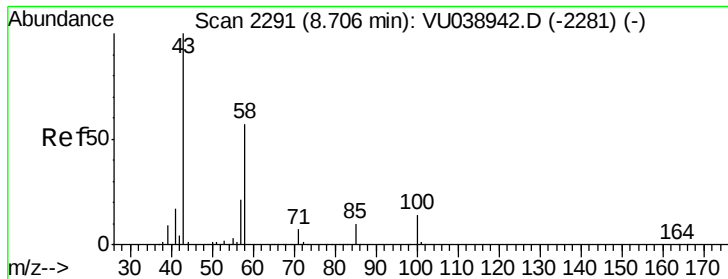
Abundance Ion 163.90 (163.60 to 164.60): VU038962.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU038962.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU038962.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU038962.D (-2157) (-)

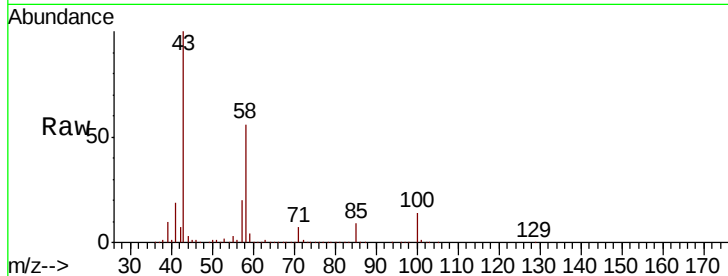




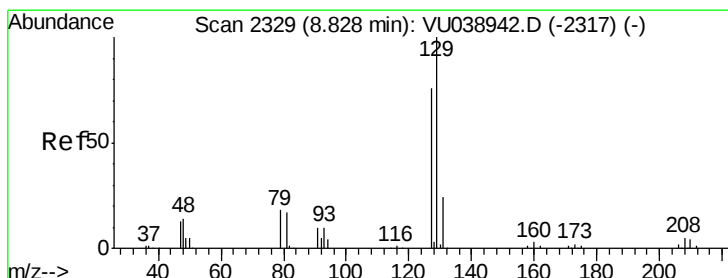
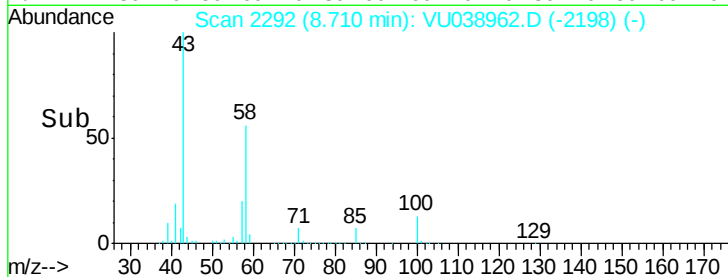
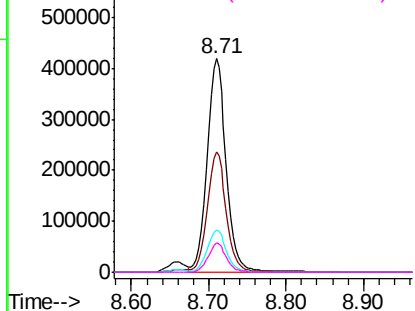
#48
2-Hexanone
Concen: 51.874 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 43 Resp: 724728
Ion Ratio Lower Upper
43 100
58 55.4 45.2 67.8
57 19.9 16.1 24.1
100 13.1 10.9 16.3

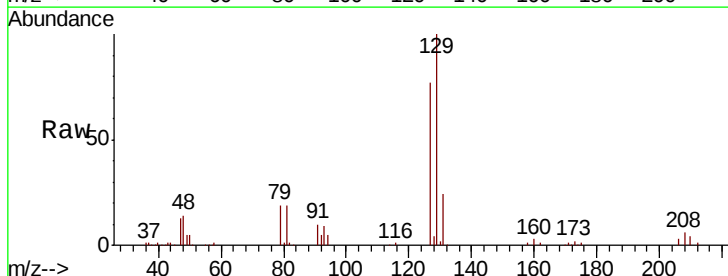


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

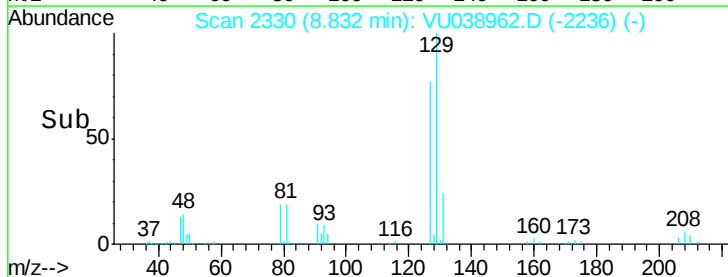
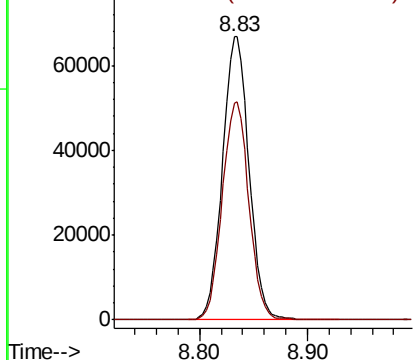


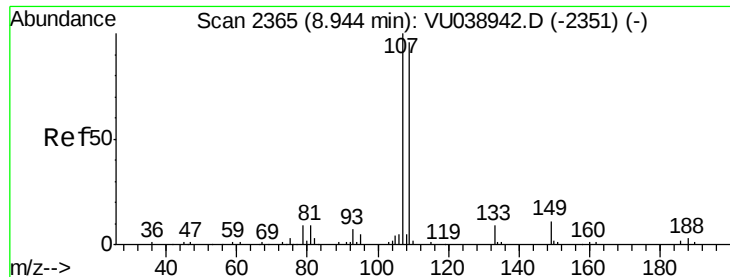
#49
Dibromochloromethane
Concen: 4.803 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion: 129 Resp: 114303
Ion Ratio Lower Upper
129 100
127 76.7 54.9 101.9



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

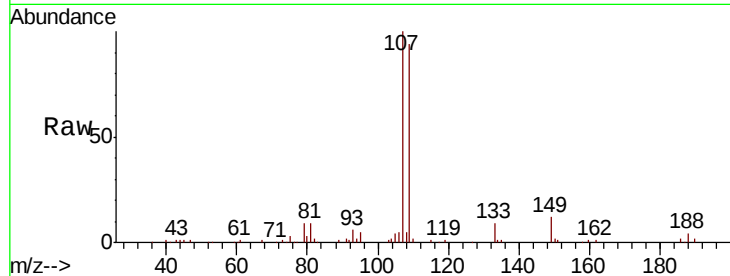




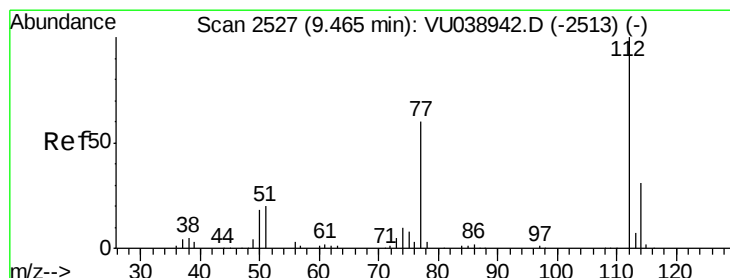
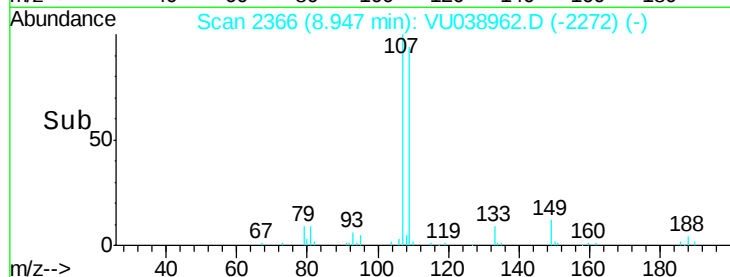
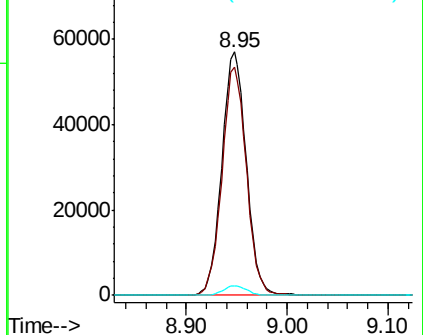
#50
1,2-Dibromoethane
Concen: 4.884 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:107 Resp: 97016
Ion Ratio Lower Upper
107 100
109 93.8 64.8 120.4
188 4.0 3.0 4.6

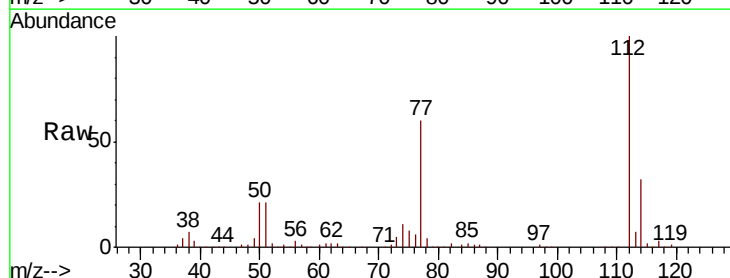


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

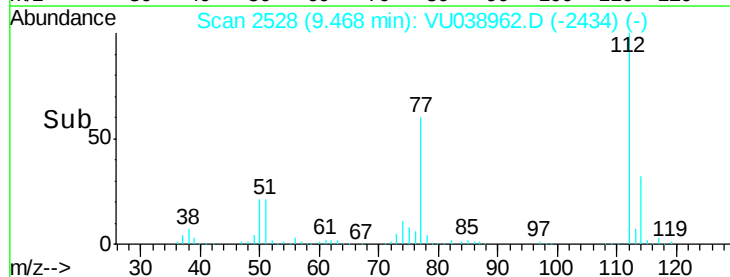
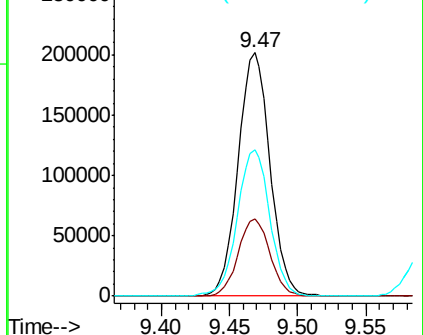


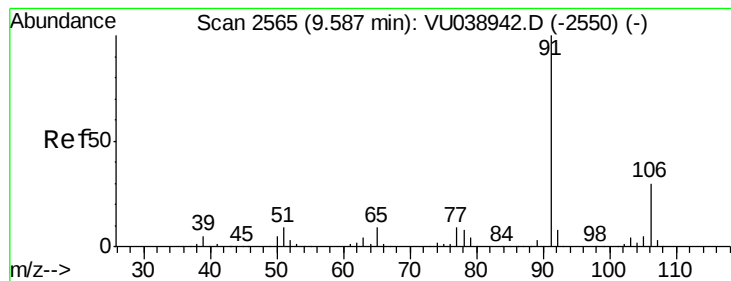
#51
Chlorobenzene
Concen: 4.755 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion:112 Resp: 328117
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.7
77 60.2 47.2 70.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.971 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

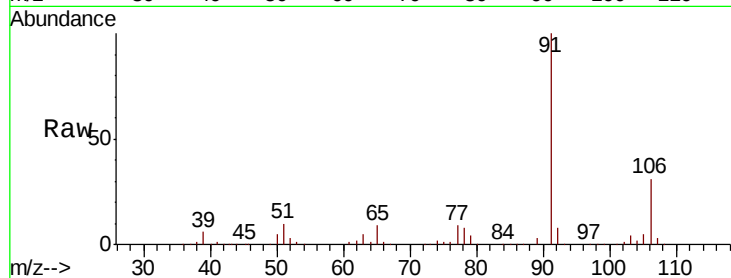
VSTD00530

Tot Ion: 91 Resp: 570788

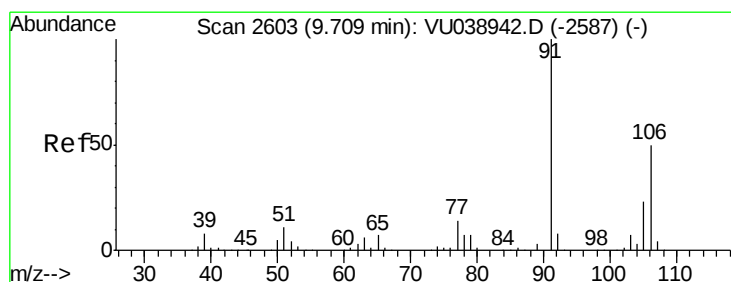
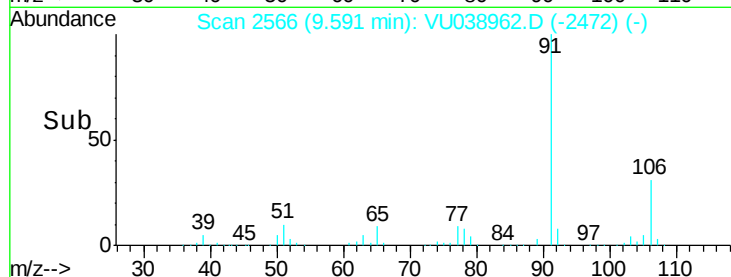
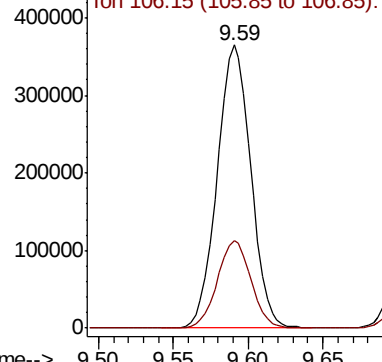
Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038962.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.000 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038962.D

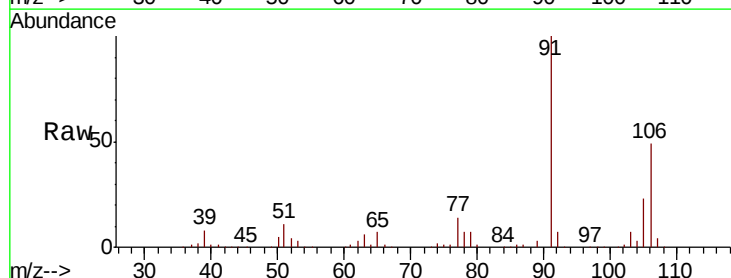
Acq: 18 Jun 2020 11:15

Tgt Ion: 106 Resp: 221530

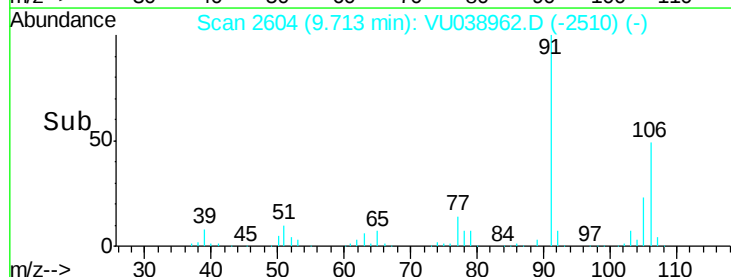
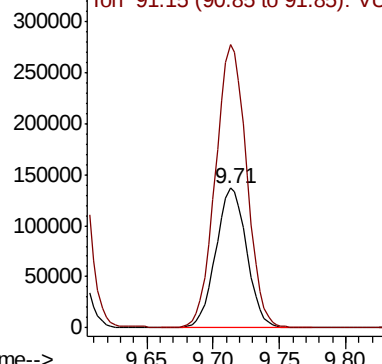
Ion Ratio Lower Upper

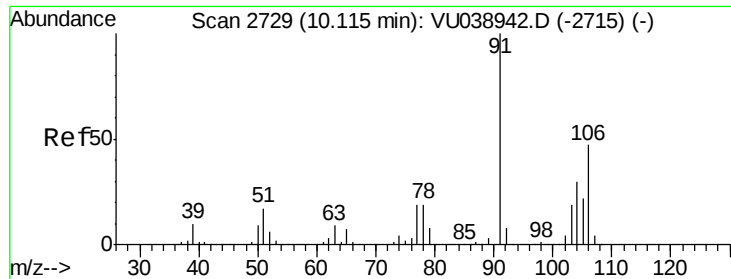
106 100

91 202.4 143.0 265.6



Abundance Ion 106.15 (105.85 to 106.85): VU038962.D (-2587) (-)

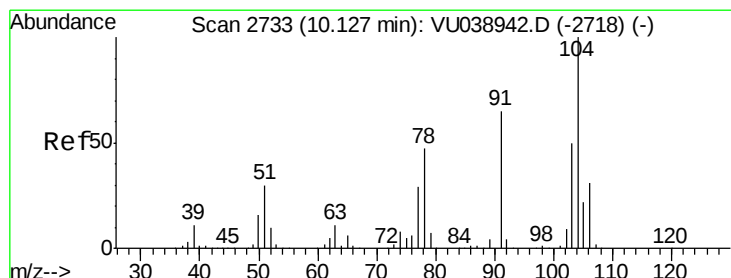
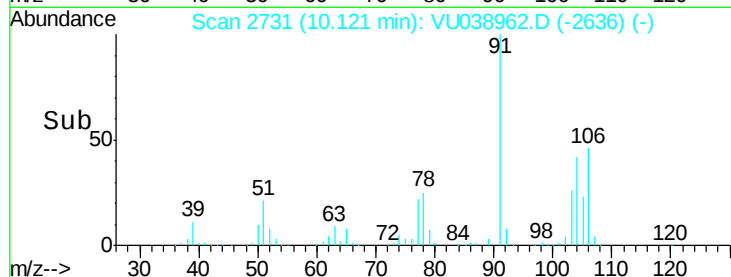
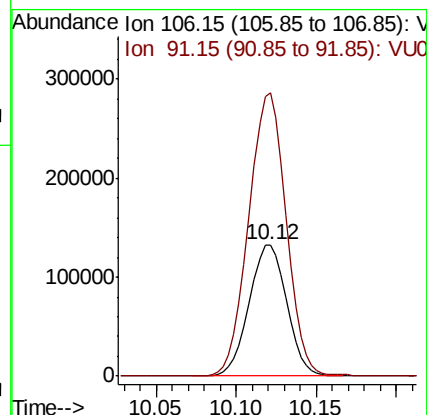
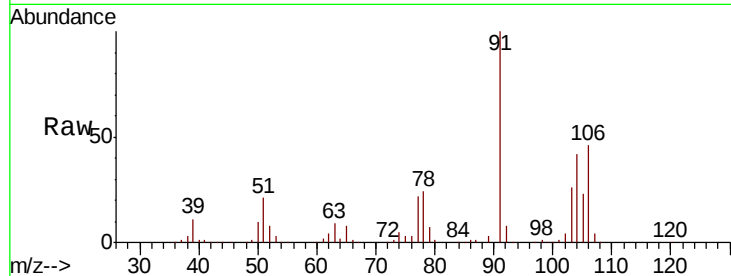




#54
o-Xylene
Concen: 5.013 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.01 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

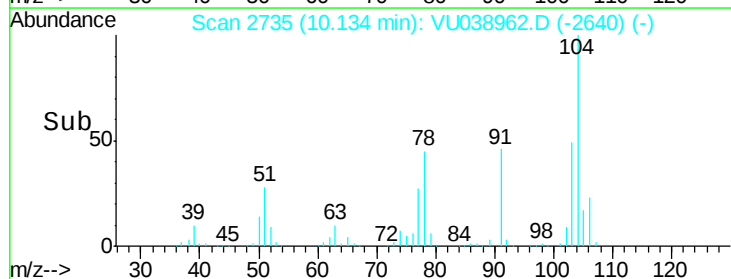
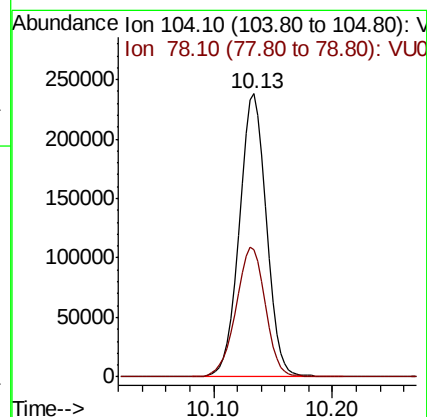
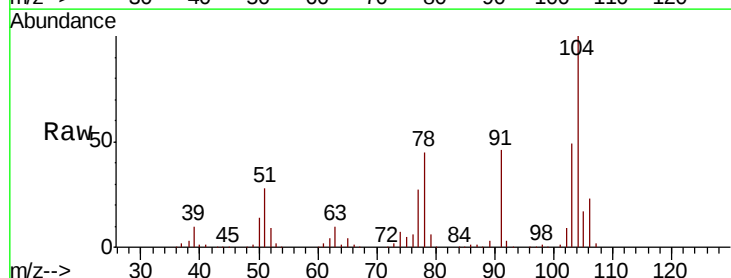
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

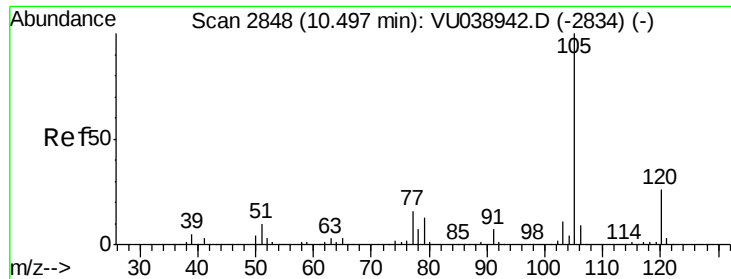
Tot Ion:106 Resp: 212797
Ion Ratio Lower Upper
106 100
91 215.6 148.4 275.6



#55
Styrene
Concen: 5.135 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU038962.D
Acq: 18 Jun 2020 11:15

Tgt Ion:104 Resp: 375633
Ion Ratio Lower Upper
104 100
78 45.0 32.0 59.4





#56

Isopropylbenzene

Concen: 5.055 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleID :

VSTD00530

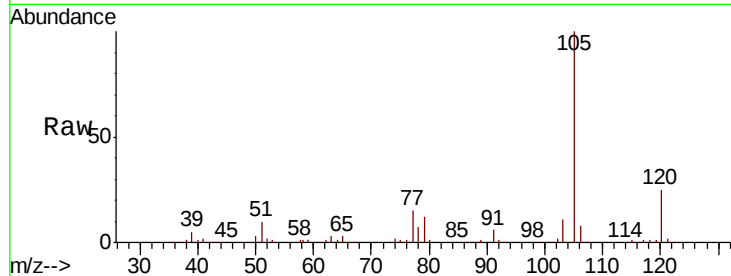
Tot Ion:105 Resp: 571075

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

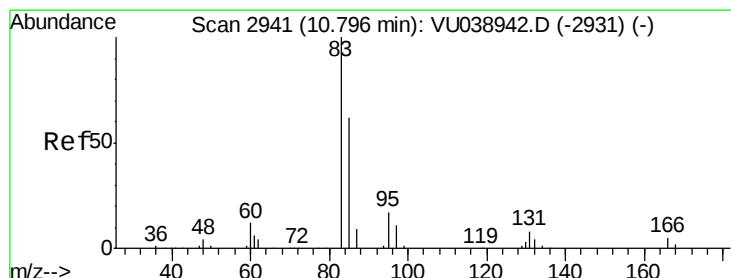
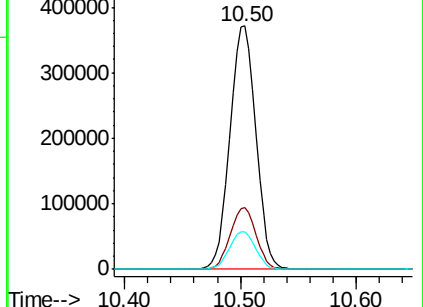
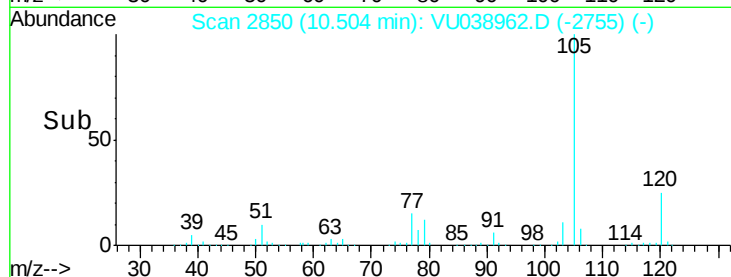
77 15.6 13.0 19.6



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: 4.693 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

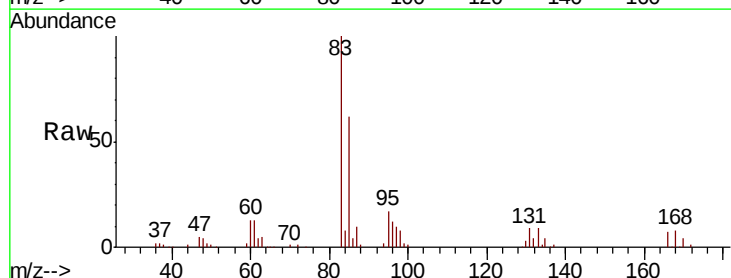
Tgt Ion: 83 Resp: 128712

Ion Ratio Lower Upper

83 100

85 61.8 45.4 84.4

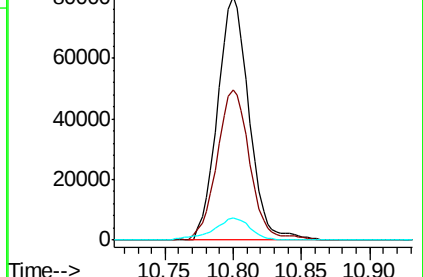
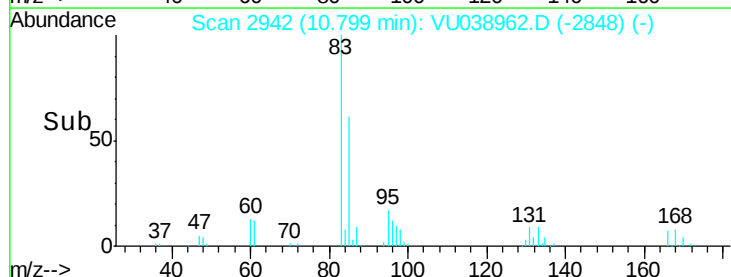
131 8.9 8.2 12.4

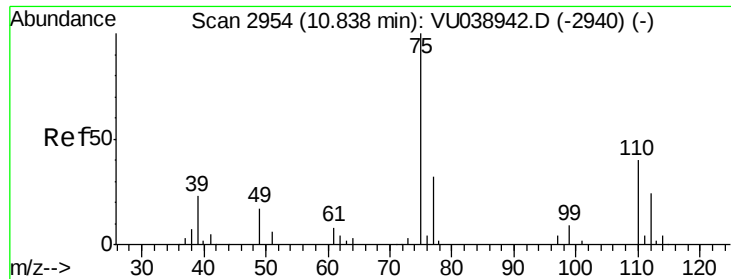


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

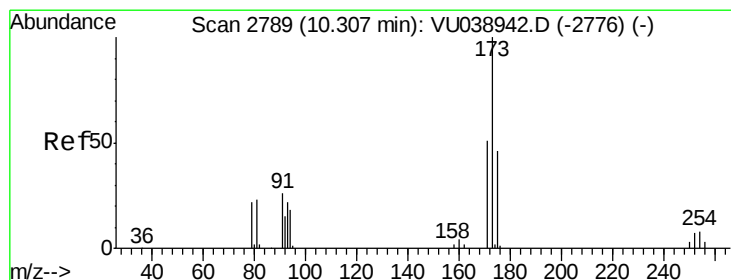
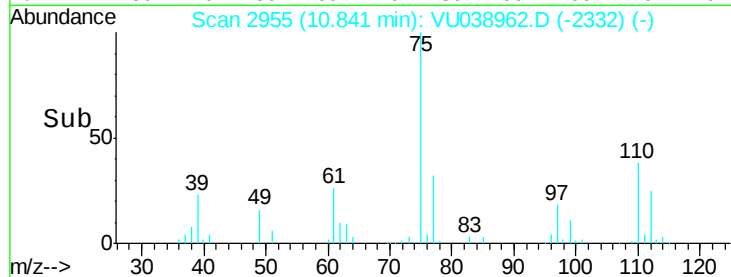
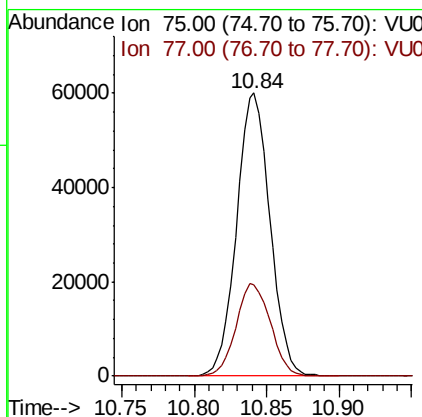
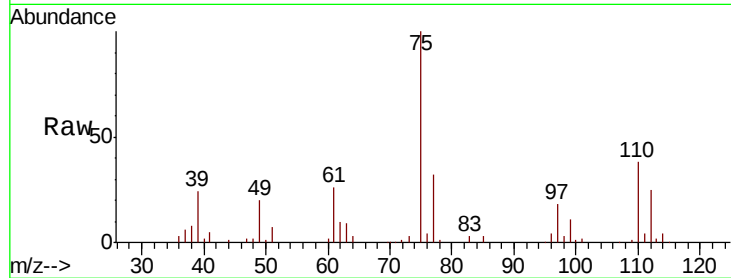




#59
 1,2,3-Trichloropropane
 Concen: 4.654 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

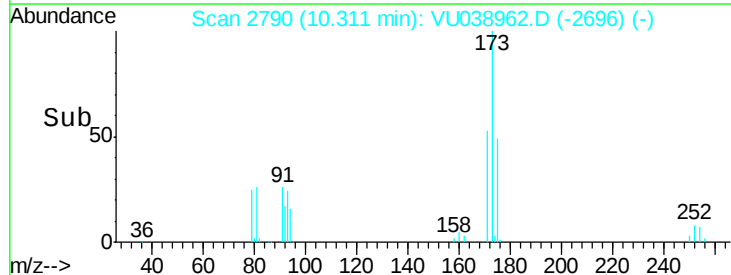
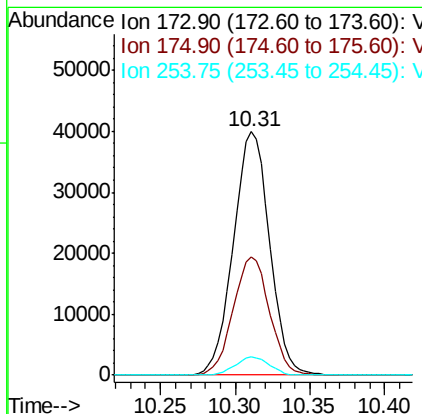
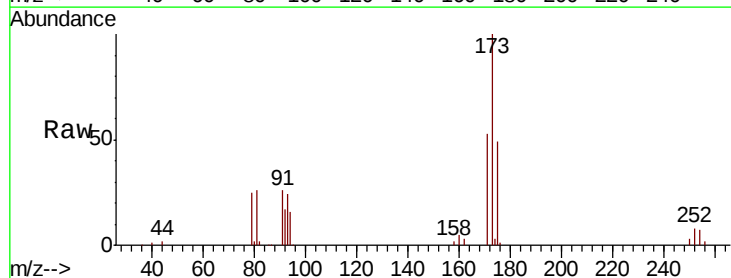
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

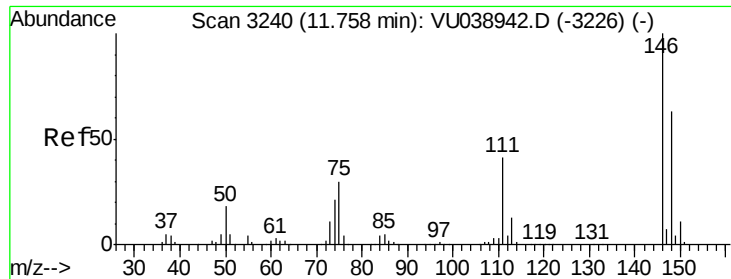
Tot Ion: 75 Resp: 96068
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.4 38.0



#61
 Bromoform
 Concen: 3.784 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

Tgt Ion: 173 Resp: 67257
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.2 58.8
 254 6.9 6.1 9.1

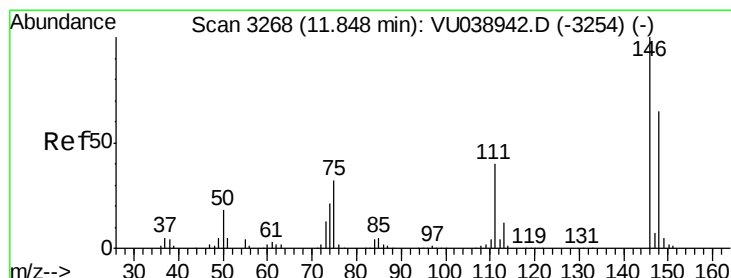
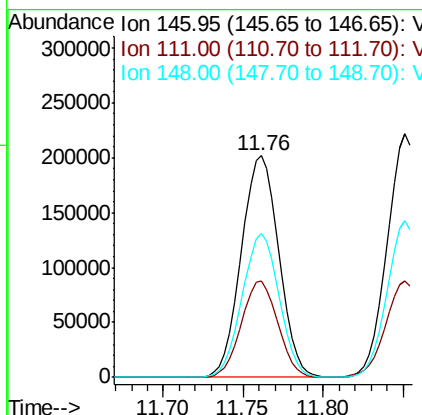
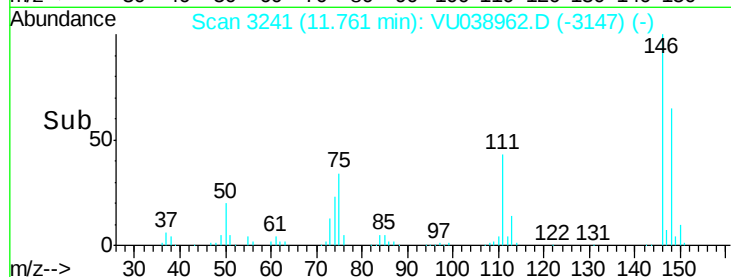
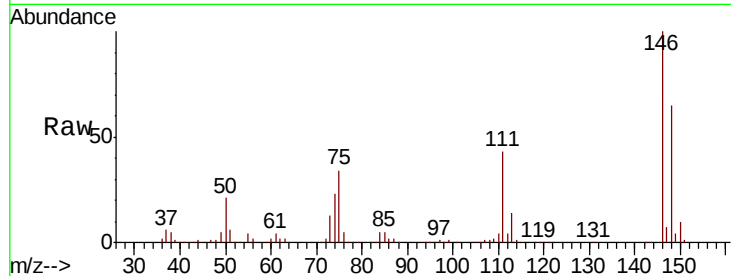




#62
 1,3-Dichlorobenzene
 Concen: 4.737 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

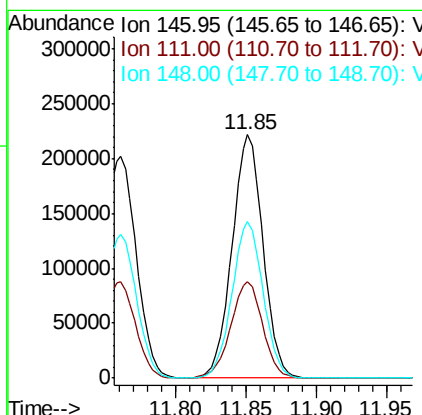
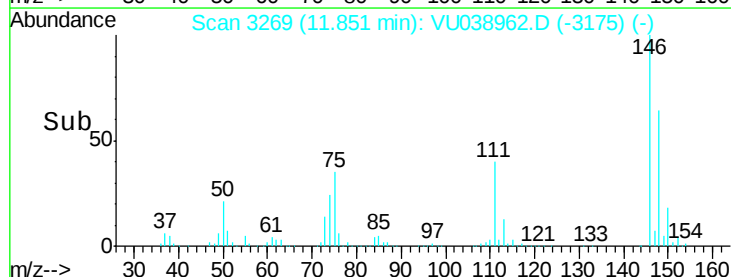
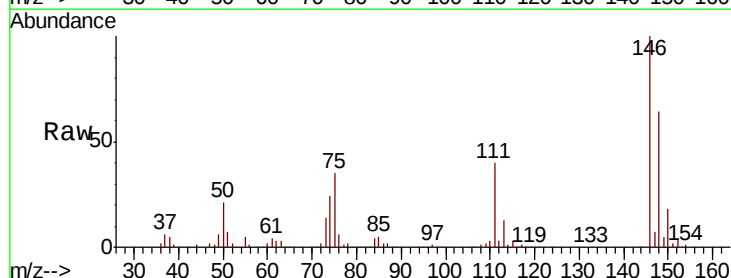
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

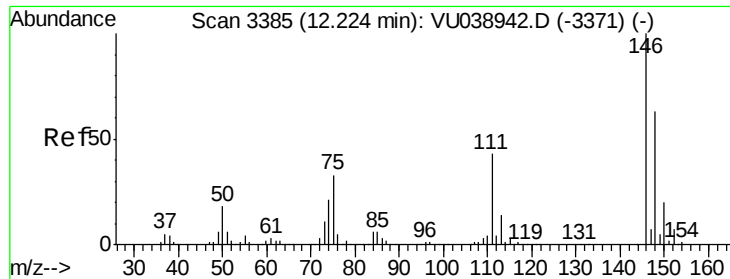
Tot Ion:146 Resp: 323563
 Ion Ratio Lower Upper
 146 100
 111 43.2 29.0 53.8
 148 65.0 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 4.839 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

Tgt Ion:146 Resp: 340156
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.2 50.6
 148 64.3 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 5.044 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

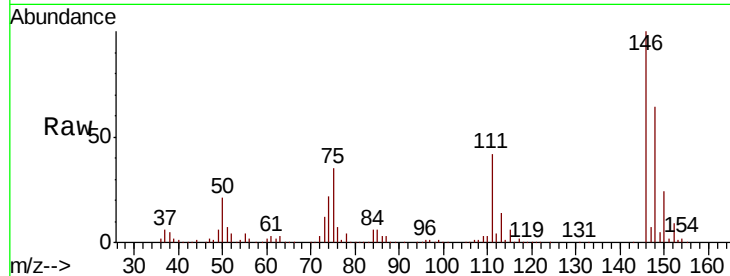
Tot Ion:146 Resp: 340045

Ion Ratio Lower Upper

146 100

111 42.2 35.7 53.5

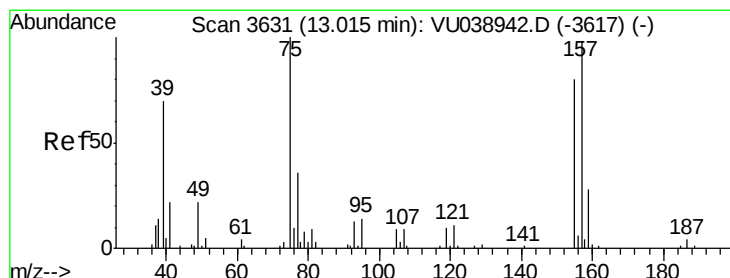
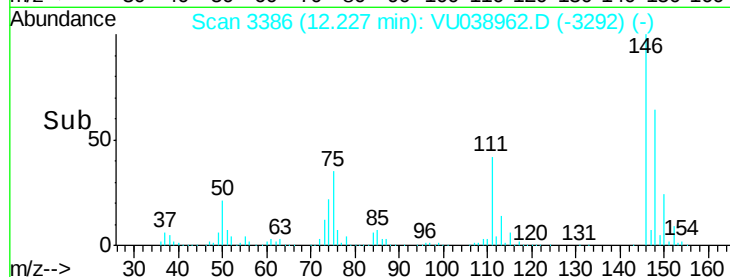
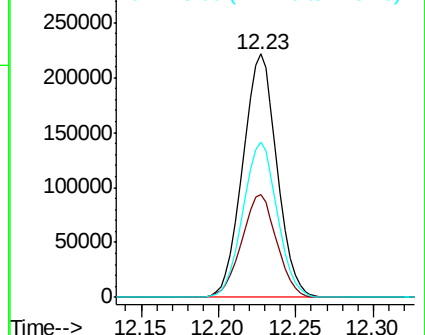
148 63.5 51.6 77.4



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: 3.509 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

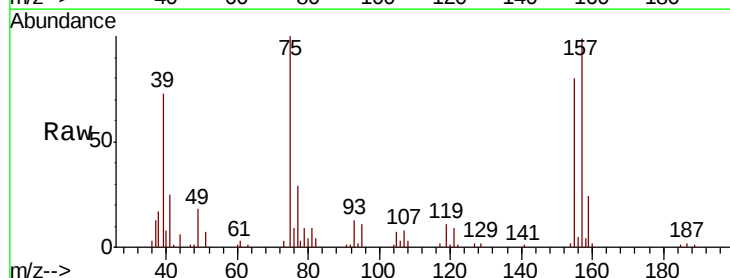
Tgt Ion: 75 Resp: 23852

Ion Ratio Lower Upper

75 100

155 79.6 65.4 98.2

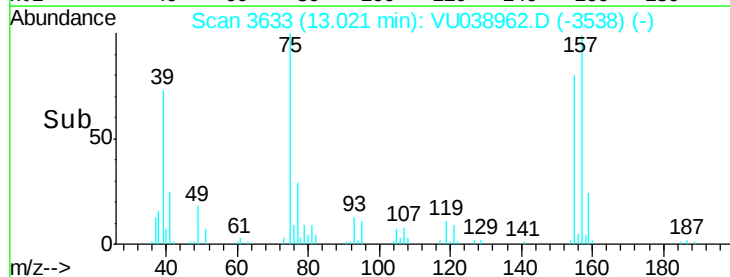
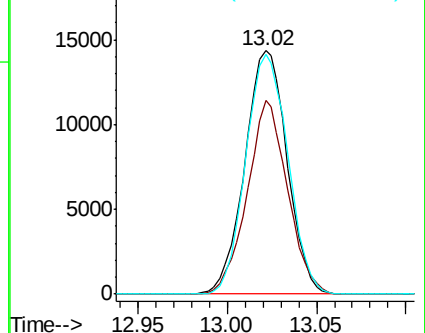
157 98.7 80.6 120.8

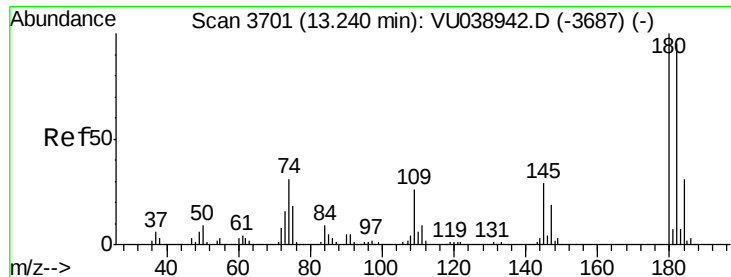


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

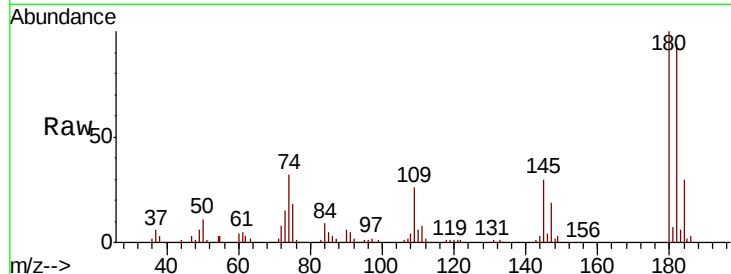




#67
 1,3,5-Trichlorobenzene
 Concen: 3.774 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.3	114.5
184	30.6	24.0	36.0
145	30.6	24.6	36.8

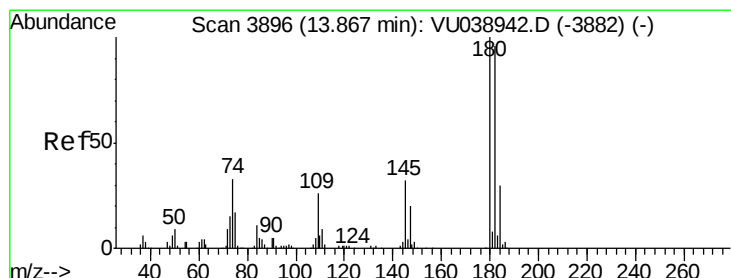
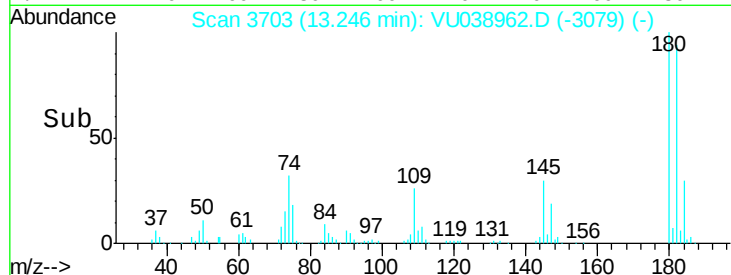
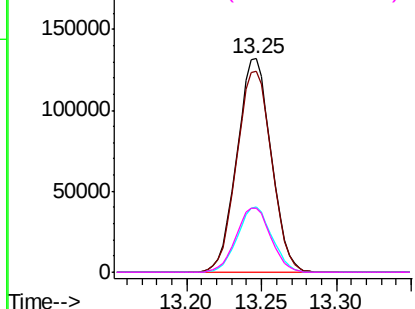


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

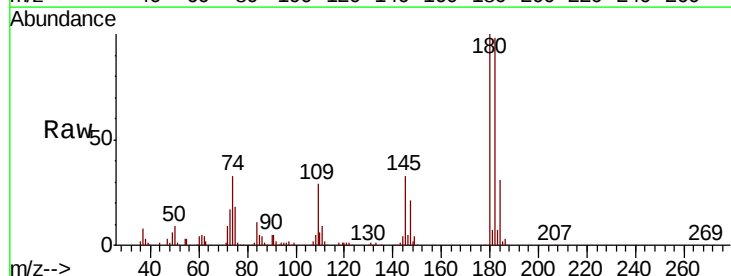
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.639 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038962.D
 Acq: 18 Jun 2020 11:15

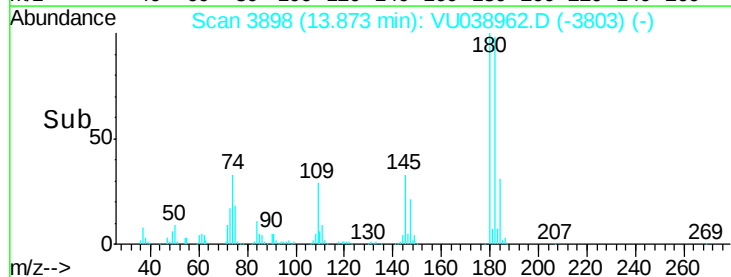
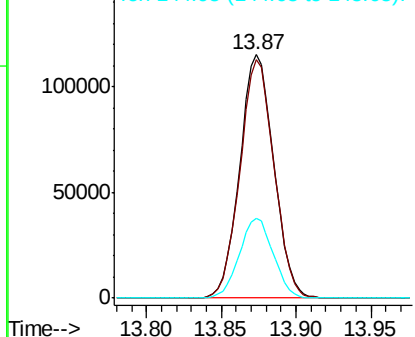
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.4	113.2
145	32.7	24.7	37.1

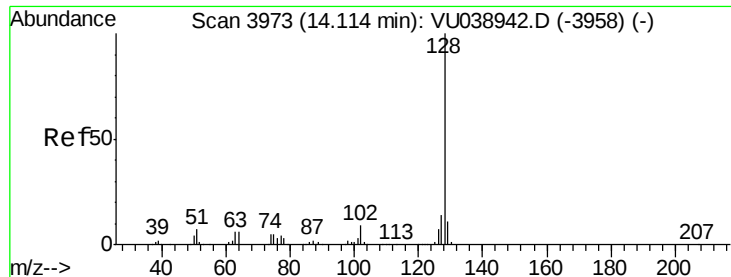


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.569 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

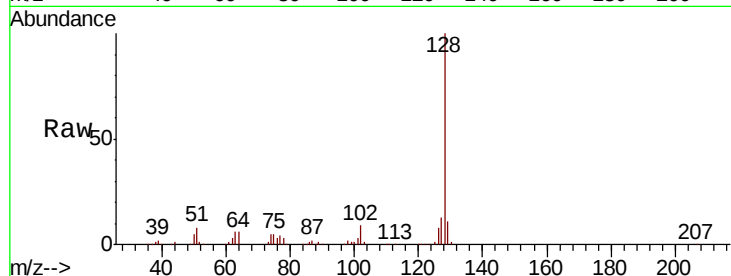
Tot Ion:128 Resp: 346432

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

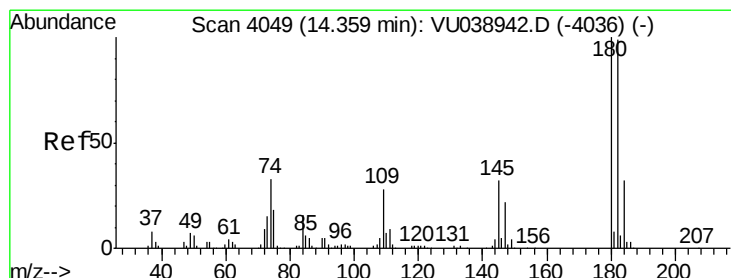
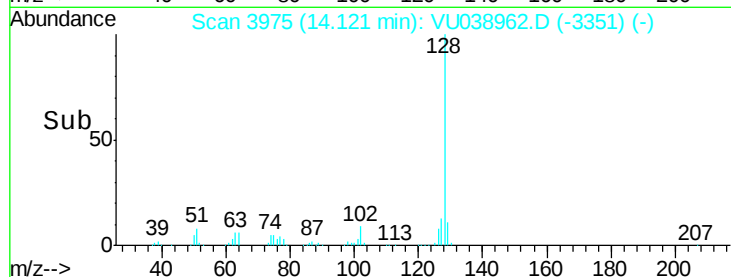
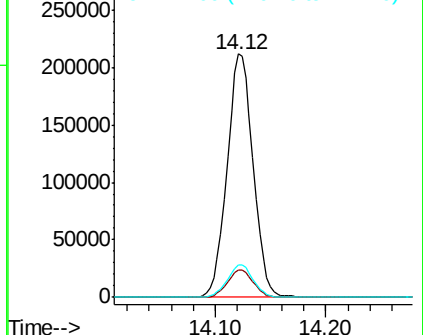
127 13.3 10.6 16.0



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: 3.774 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038962.D

Acq: 18 Jun 2020 11:15

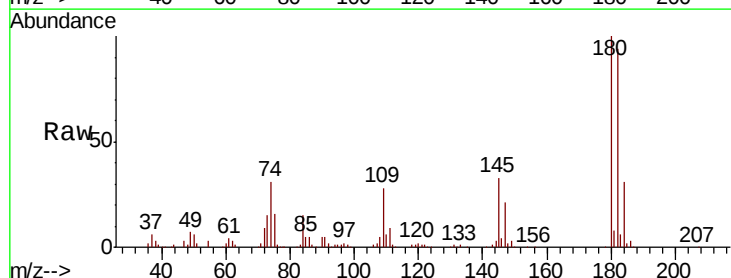
Tgt Ion:180 Resp: 175587

Ion Ratio Lower Upper

180 100

182 95.1 75.5 113.3

145 33.5 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

