

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
 Data File : VU041460.D
 Acq On : 04 Dec 2020 09:39
 Operator : SY/MD
 Sample : VSTD0.506
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Quant Time: Dec 05 04:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 04:54:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55928	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54528	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28133	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1348	0.43	ug/L	0.00
7) Chloroethane-d5	1.92	69	1213	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	3327	0.45	ug/L	0.00
20) 2-Butanone-d5	4.65	46	4606	4.31	ug/L	0.00
24) Chloroform-d	5.08	84	3711	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	2671	0.50	ug/L	0.00
32) Benzene-d6	5.74	84	5523	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	1707	0.47	ug/L	0.00
41) Toluene-d8	7.91	98	5275	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	812	0.39	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	3341	4.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	1658	0.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	2347	0.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2550	0.453 ug/L	94
3) Chloromethane	1.53	50	1689	0.471 ug/L	97
5) Vinyl chloride	1.61	62	1955	0.482 ug/L	94
6) Bromomethane	1.87	94	1331	0.478 ug/L	94
8) Chloroethane	1.94	64	1221	0.445 ug/L	88
9) Trichlorofluoromethane	2.15	101	4177	0.462 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1854	0.491 ug/L	96
12) 1,1-Dichloroethene	2.59	96	1654	0.496 ug/L	94
13) Acetone	2.66	43	1509	1.816 ug/L #	24
14) Carbon disulfide	2.81	76	5125	0.543 ug/L	96
15) Methyl Acetate	2.97	43	725	0.421 ug/L #	56
16) Methylene chloride	3.06	84	3112	0.648 ug/L	90
17) Methyl tert-butyl Ether	3.38	73	4625	0.439 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	1528	0.439 ug/L	89
19) 1,1-Dichloroethane	3.89	63	2977	0.446 ug/L	93
21) 2-Butanone	4.74	43	4505	4.125 ug/L	86
22) cis-1,2-Dichloroethene	4.68	96	1746	0.456 ug/L	95
23) Bromochloromethane	4.99	128	926	0.472 ug/L	90
25) Chloroform	5.11	83	4037	0.487 ug/L	90
27) 1,2-Dichloroethane	5.81	62	2877	0.448 ug/L #	79
29) 1,1,1-Trichloroethane	5.33	97	3768	0.463 ug/L	97
30) Cyclohexane	5.40	56	2312	0.470 ug/L #	91
31) Carbon tetrachloride	5.53	117	3540	0.483 ug/L	100
33) Benzene	5.79	78	6700	0.472 ug/L	100
34) Trichloroethene	6.55	95	1992	0.475 ug/L	89
35) Methylcyclohexane	6.77	83	2283	0.412 ug/L	90
37) 1,2-Dichloropropane	6.80	63	1478	0.416 ug/L #	84
38) Bromodichloromethane	7.11	83	2836	0.465 ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	2603	0.448 ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	10425	4.002 ug/L	99

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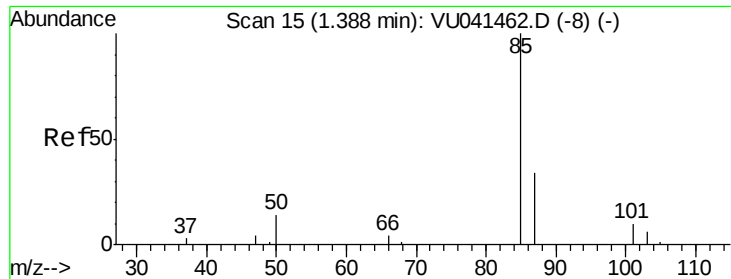
Quant Time: Dec 05 04:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 04:54:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.97	91	6959	0.447	ug/L	95
44) trans-1,3-Dichloropropene	8.22	75	2516	0.415	ug/L #	79
45) 1,1,2-Trichloroethane	8.40	97	1510	0.491	ug/L	96
47) Tetrachloroethene	8.56	164	1533	0.485	ug/L	93
48) 2-Hexanone	8.69	43	8436	4.205	ug/L	97
49) Dibromochloromethane	8.81	129	1976	0.461	ug/L	90
50) 1,2-Dibromoethane	8.93	107	1617	0.533	ug/L #	97
51) Chlorobenzene	9.45	112	4914	0.464	ug/L	98
52) Ethylbenzene	9.57	91	8040	0.443	ug/L	95
53) m,p-Xylene	9.69	106	2810	0.423	ug/L	96
54) o-Xylene	10.10	106	2858	0.457	ug/L	92
55) Styrene	10.11	104	4223	0.376	ug/L	98
56) Isopropylbenzene	10.48	105	7646	0.425	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	1723	0.442	ug/L	89
59) 1,2,3-Trichloropropane	10.82	75	1393	0.429	ug/L	99
61) Bromoform	10.29	173	1188	0.477	ug/L #	92
62) 1,3-Dichlorobenzene	11.74	146	3795	0.444	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	4056	0.472	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	3739	0.448	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	292	0.357	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	2902	0.439	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	2165	0.405	ug/L	98
69) Naphthalene	14.08	128	2610	0.294	ug/L #	92
70) 1,2,3-Trichlorobenzene	14.32	180	1999	0.403	ug/L #	91

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

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#2

Dichlorodifluoromethane

Concen: 0.453 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

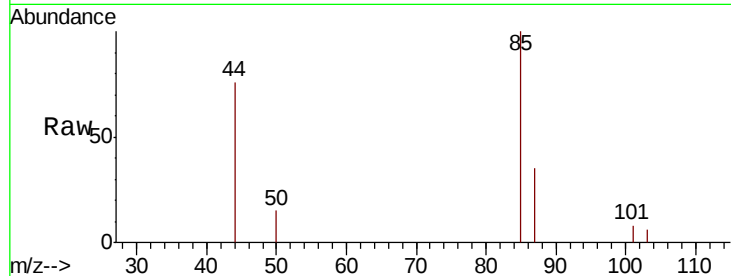
VSTD0.506

Tot Ion: 85 Resp: 2550

Ion Ratio Lower Upper

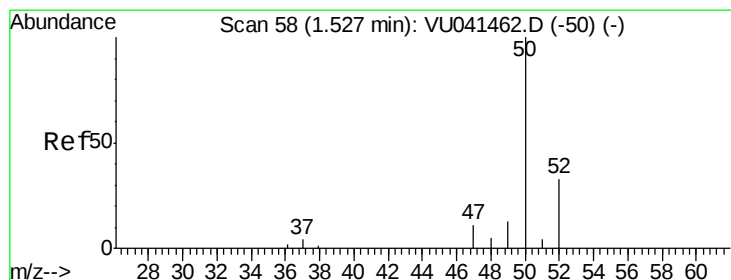
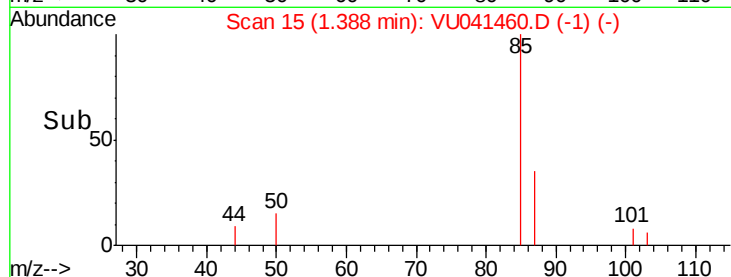
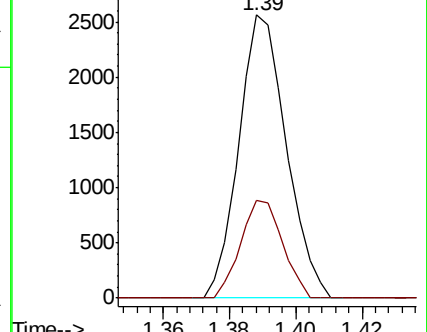
85 100

87 30.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU041460.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041460.D (-8) (-)



#3

Chloromethane

Concen: 0.471 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041460.D

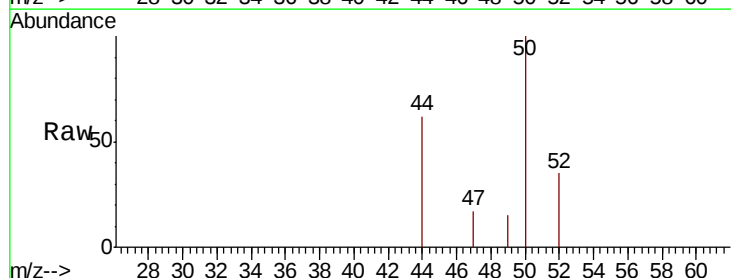
Acq: 04 Dec 2020 09:39

Tgt Ion: 50 Resp: 1689

Ion Ratio Lower Upper

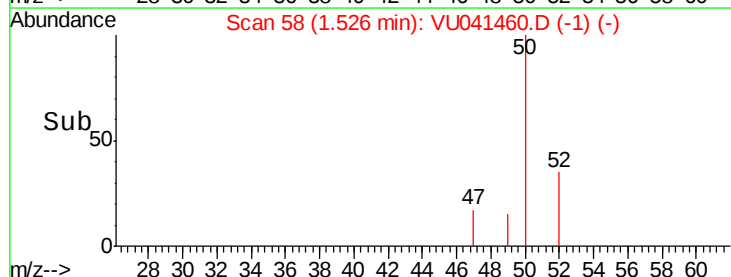
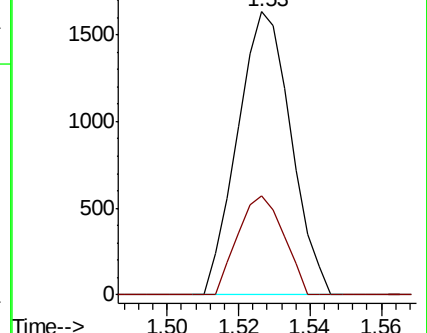
50 100

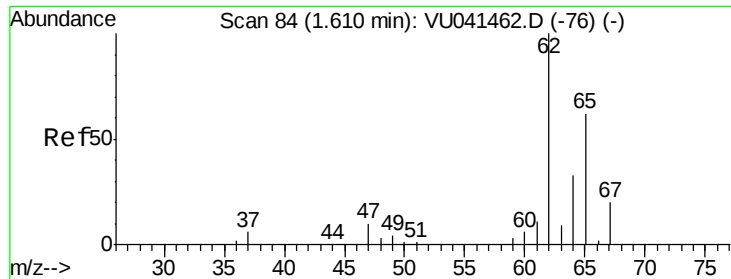
52 35.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU041460.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041460.D (-50) (-)





#5

Vinyl chloride

Concen: 0.482 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

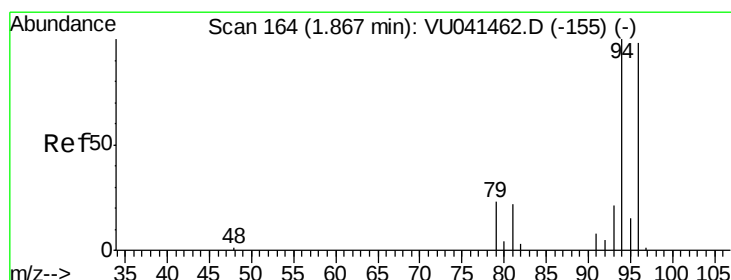
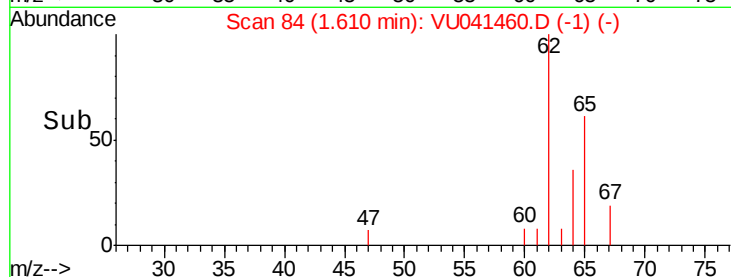
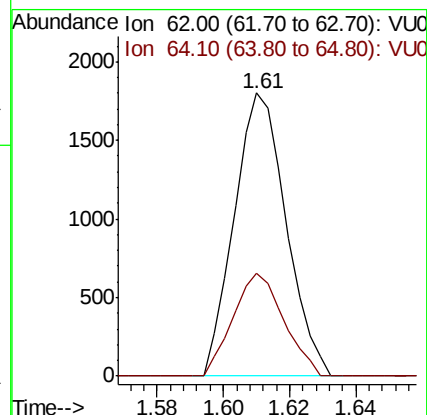
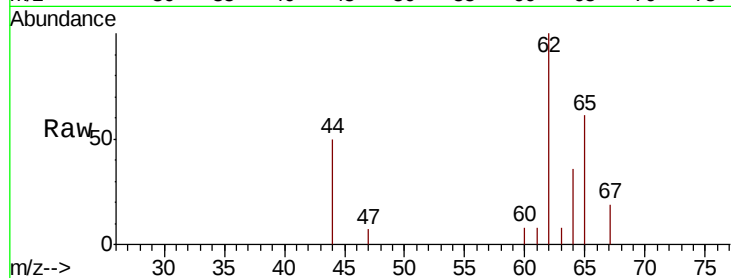
VSTD0.506

Tot Ion: 62 Resp: 1955

Ion Ratio Lower Upper

62 100

64 36.2 23.0 42.8



#6

Bromomethane

Concen: 0.478 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041460.D

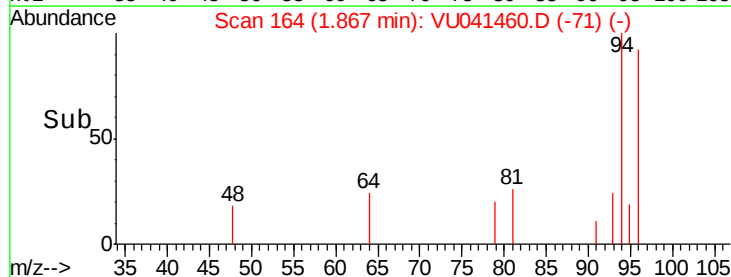
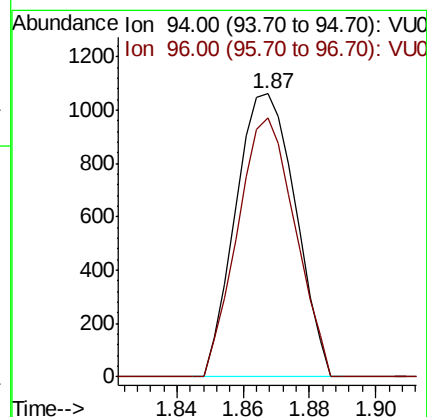
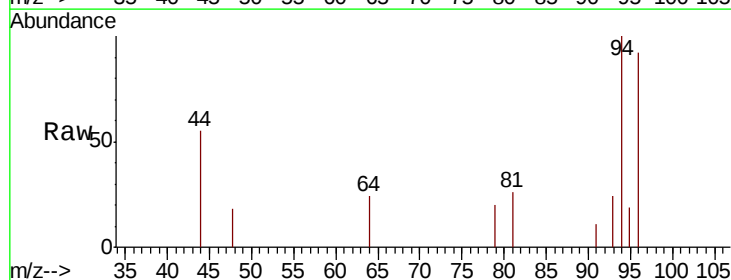
Acq: 04 Dec 2020 09:39

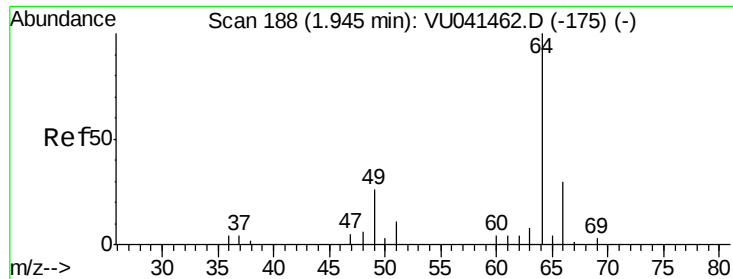
Tgt Ion: 94 Resp: 1331

Ion Ratio Lower Upper

94 100

96 91.5 68.5 127.1

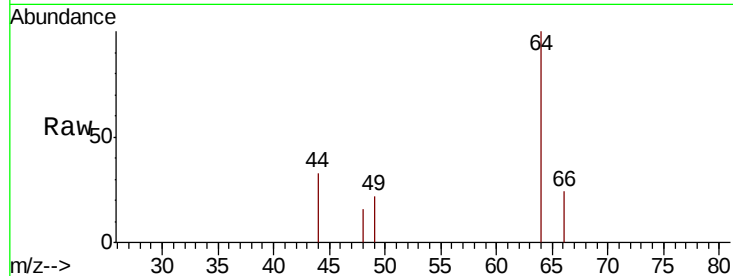




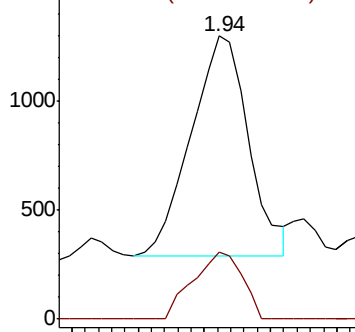
#8
Chloroethane
Concen: 0.445 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

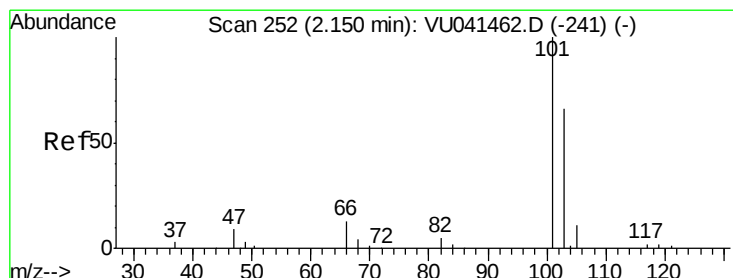
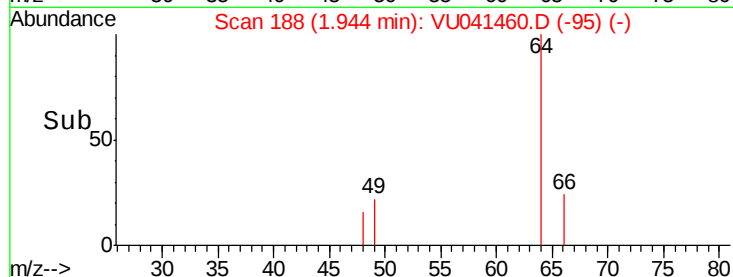
Tot Ion: 64 Resp: 1221
Ion Ratio Lower Upper
64 100
66 23.6 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU041460.D (-175) (-)
Ion 66.05 (65.75 to 66.75): VU041460.D (-175) (-)

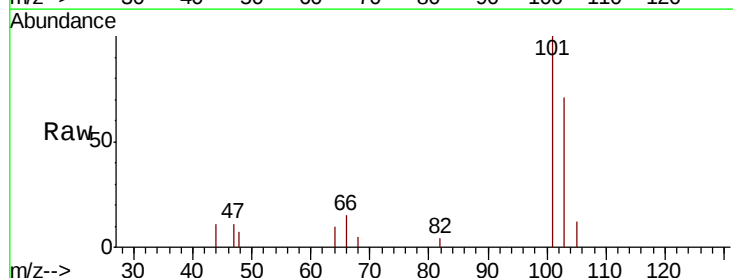


Time--> 1.90 1.92 1.94 1.96 1.98

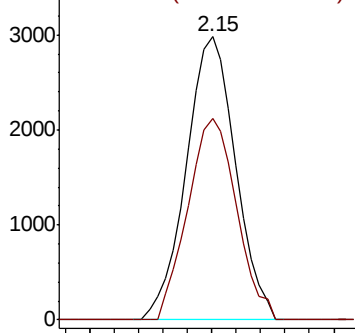


#9
Trichlorofluoromethane
Concen: 0.462 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

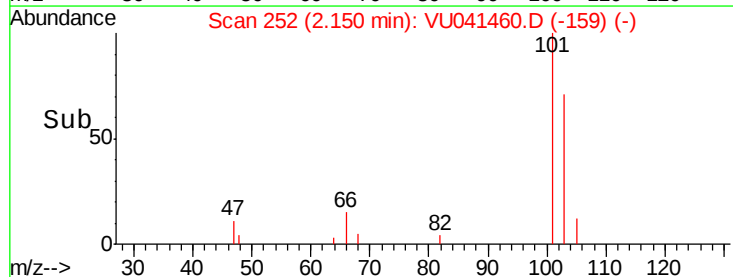
Tgt Ion: 101 Resp: 4177
Ion Ratio Lower Upper
101 100
103 70.2 51.4 77.0

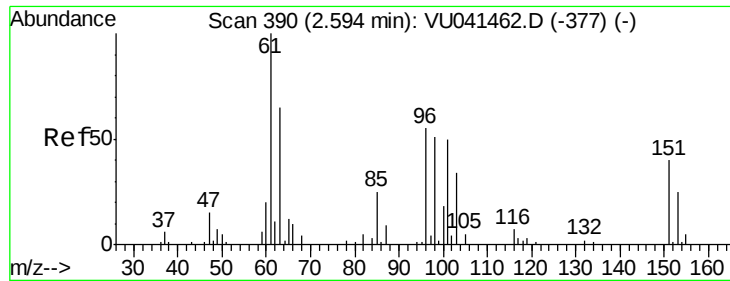


Abundance Ion 101.00 (100.70 to 101.70): VU041460.D (-241) (-)
Ion 103.00 (102.70 to 103.70): VU041460.D (-241) (-)



Time--> 2.10 2.15 2.20





#10

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

Concen: 0.491 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

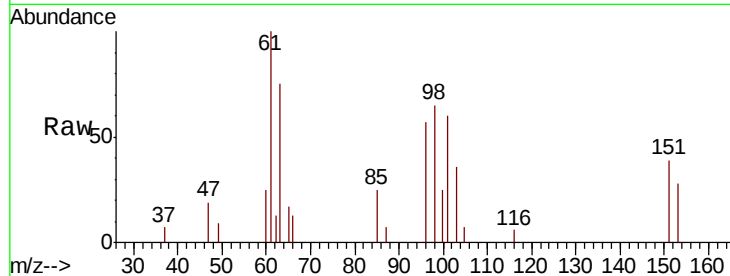
Tot Ion:101 Resp: 1854

Ion Ratio Lower Upper

101 100

85 46.2 39.4 59.2

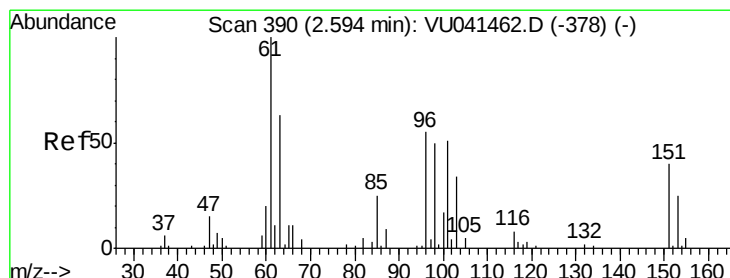
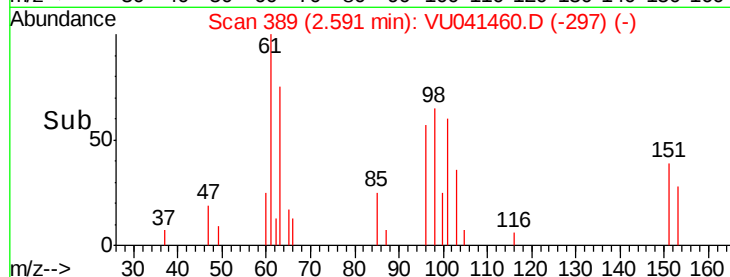
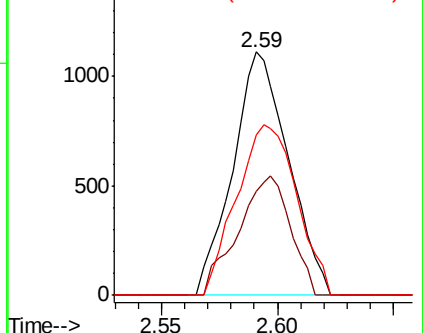
151 75.9 63.8 95.8



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: 0.496 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

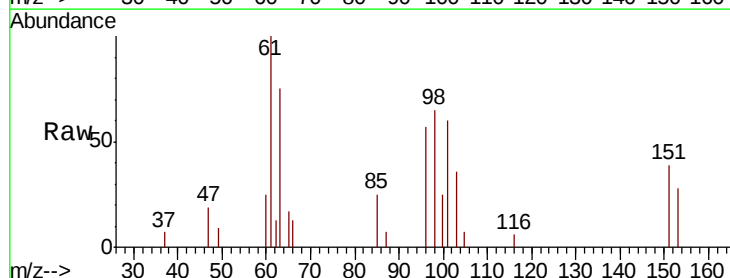
Tgt Ion: 96 Resp: 1654

Ion Ratio Lower Upper

96 100

61 176.2 127.8 237.4

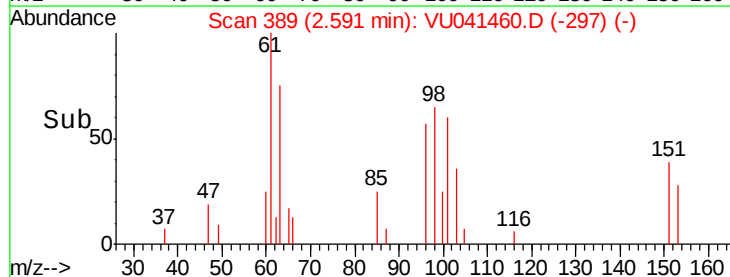
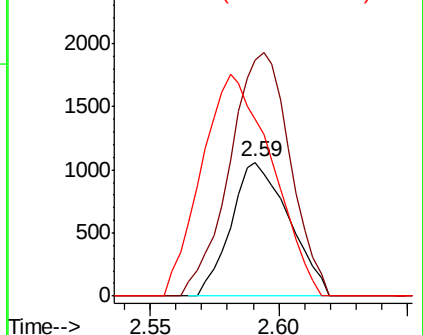
63 132.4 86.2 160.0

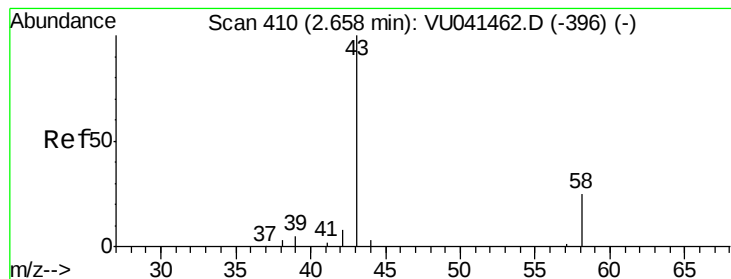


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.816 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

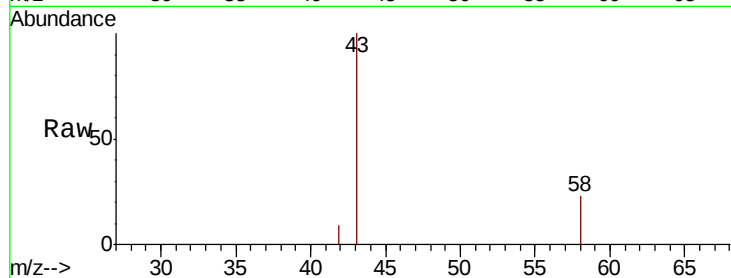
VSTD0.506

Tot Ion: 43 Resp: 1509

Ion Ratio Lower Upper

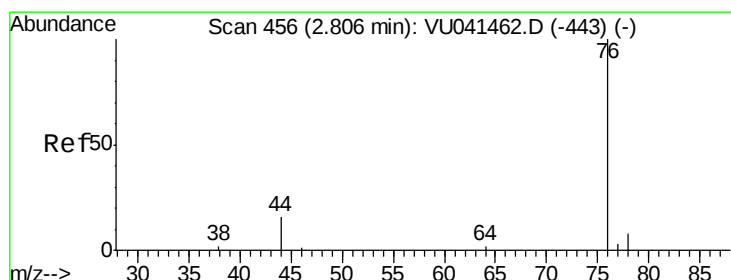
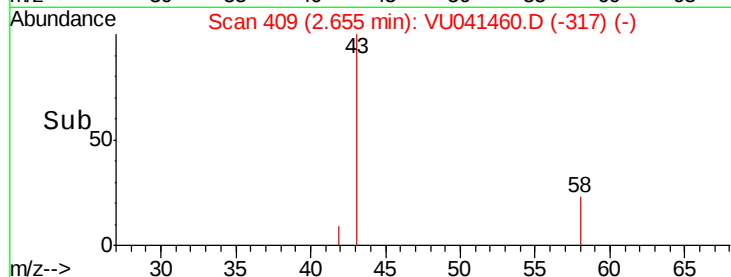
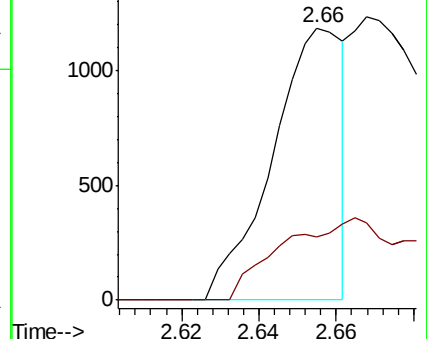
43 100

58 63.0 0.0 50.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.543 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041460.D

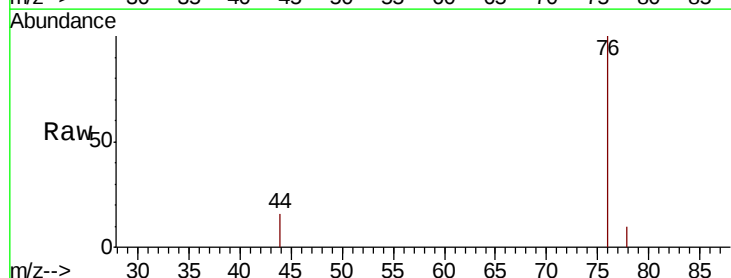
Acq: 04 Dec 2020 09:39

Tgt Ion: 76 Resp: 5125

Ion Ratio Lower Upper

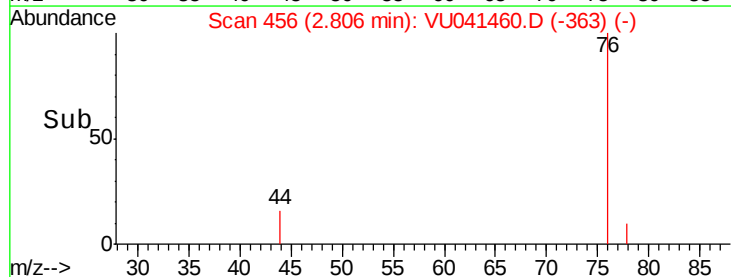
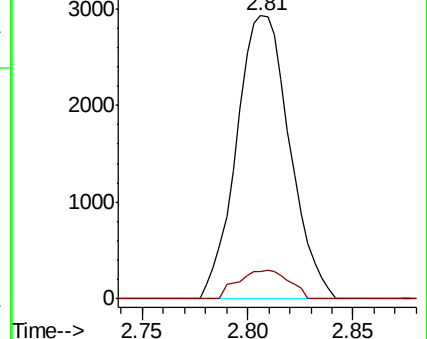
76 100

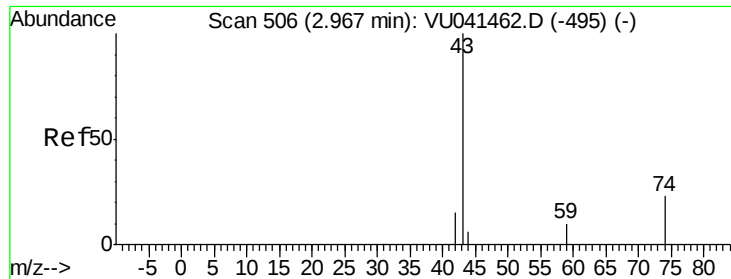
78 9.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 0.421 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampled :

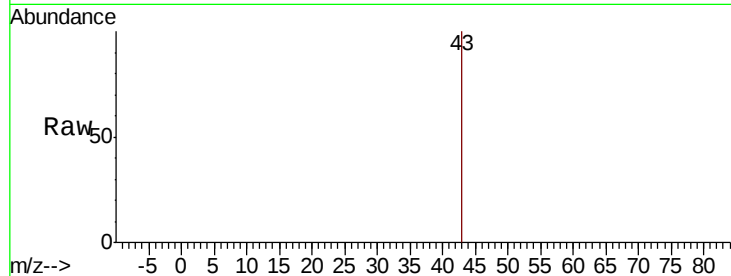
VSTD0.506

Tot Ion: 43 Resp: 725

Ion Ratio Lower Upper

43 100

74 2.8 19.7 29.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.97

400

300

200

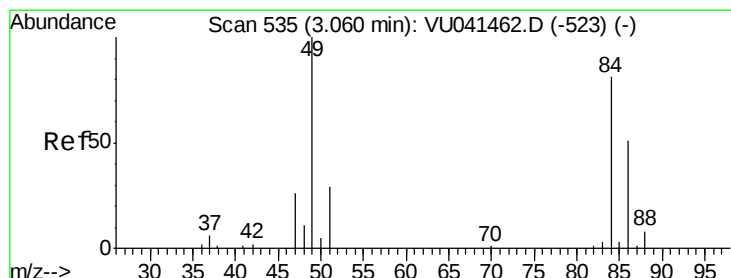
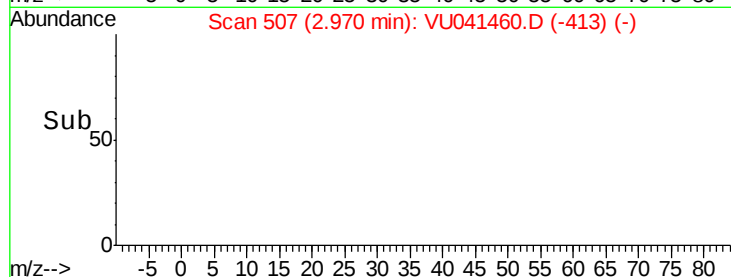
100

0

2.95

3.00

Time-->



#16

Methylene chloride

Concen: 0.648 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

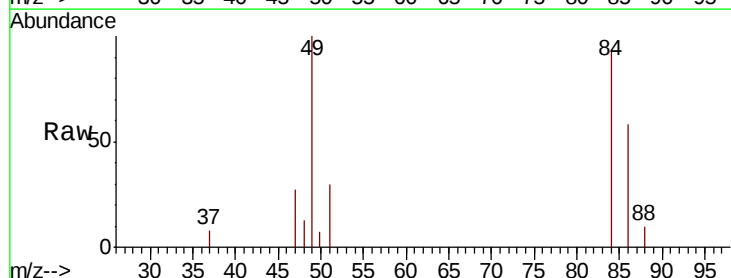
Tgt Ion: 84 Resp: 3112

Ion Ratio Lower Upper

84 100

86 62.0 44.1 81.9

49 107.4 86.1 159.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2500

2000

1500

1000

500

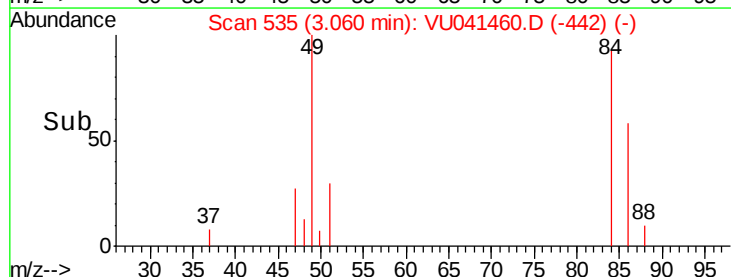
0

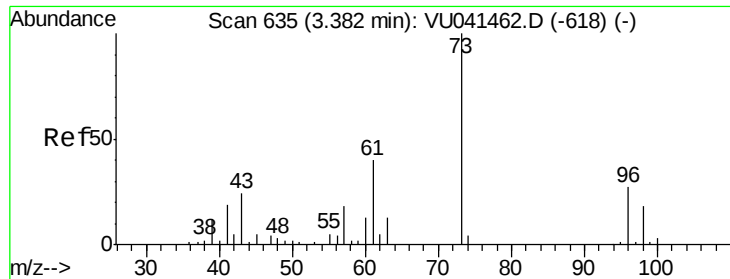
3.00

3.05

3.10

Time-->

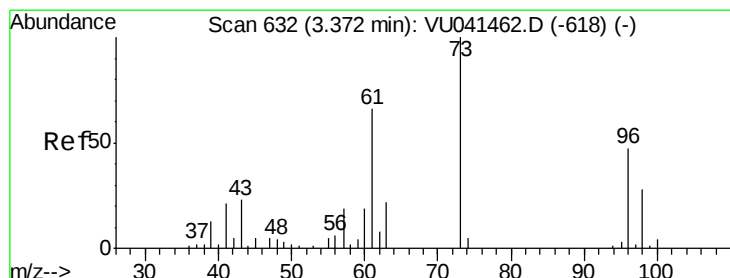
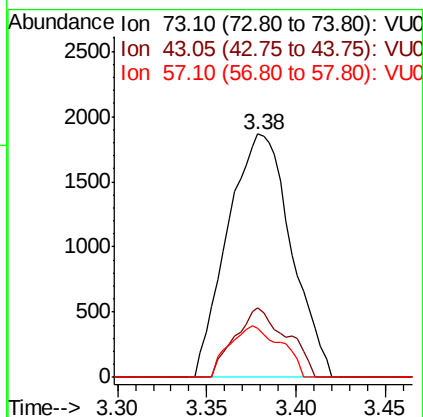
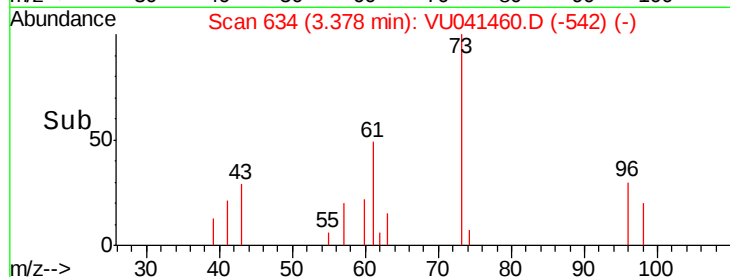
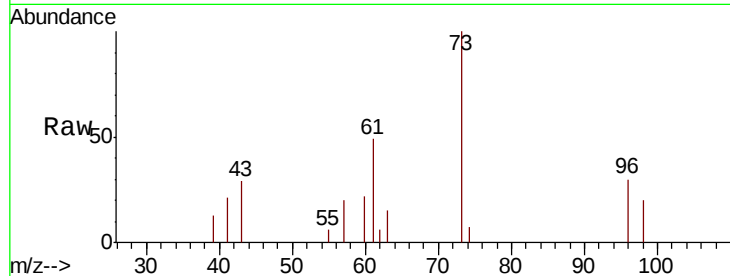




#17
Methvl tert-butvl Ether
Concen: 0.439 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

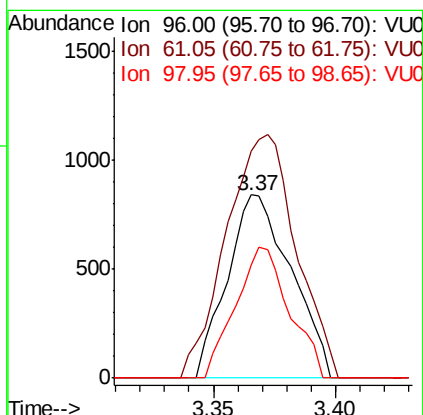
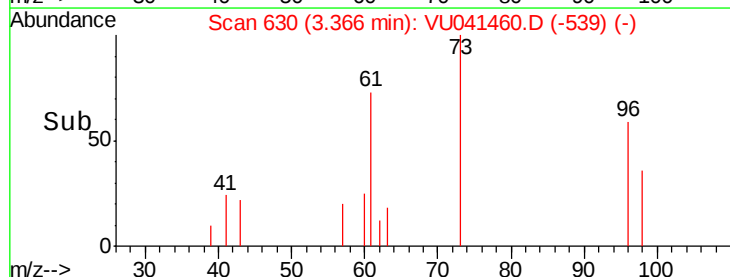
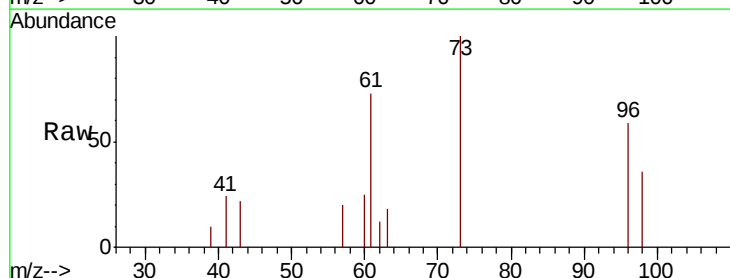
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

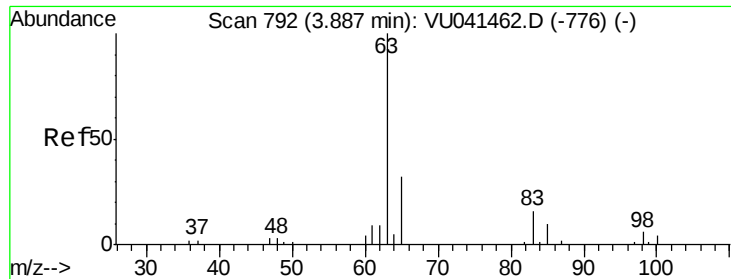
Tot Ion: 73 Resp: 4625
Ion Ratio Lower Upper
73 100
43 23.2 19.1 28.7
57 17.2 15.5 23.3



#18
trans-1,2-Dichloroethene
Concen: 0.439 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.01 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion: 96 Resp: 1528
Ion Ratio Lower Upper
96 100
61 123.6 98.8 183.4
98 61.6 41.7 77.5



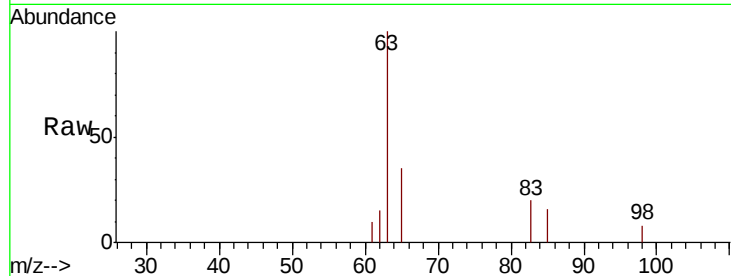


#19
 1,1-Dichloroethane
 Concen: 0.446 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

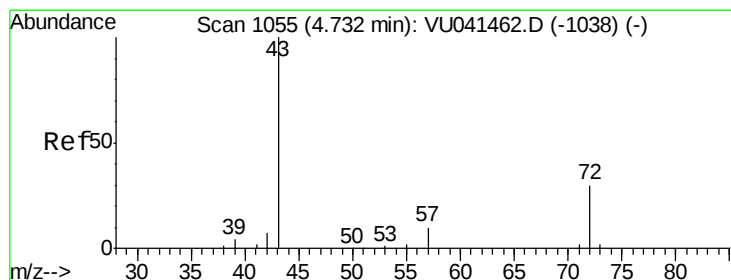
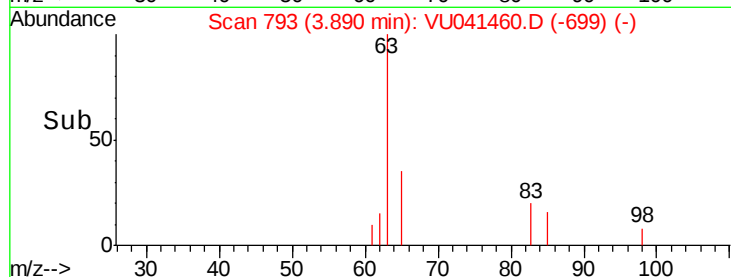
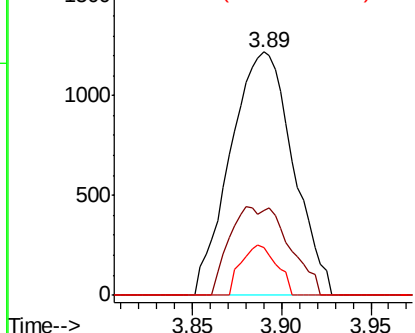
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion: 63 Resp: 2977

Ion	Ratio	Lower	Upper
63	100		
65	35.1	22.3	41.5
83	19.7	11.1	20.7



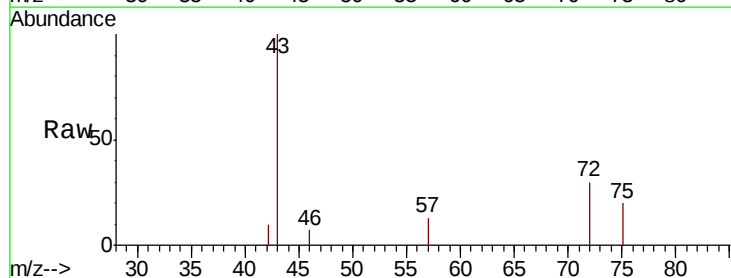
Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0



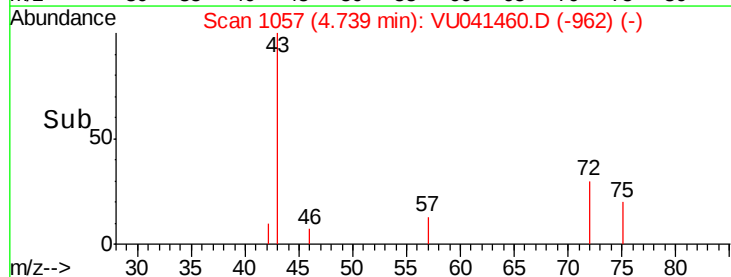
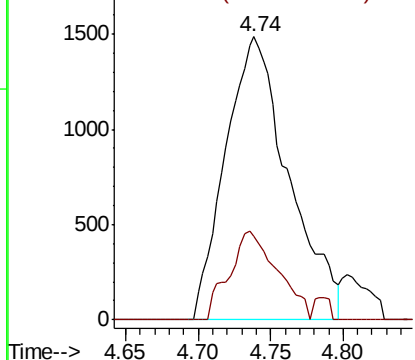
#21
 2-Butanone
 Concen: 4.125 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

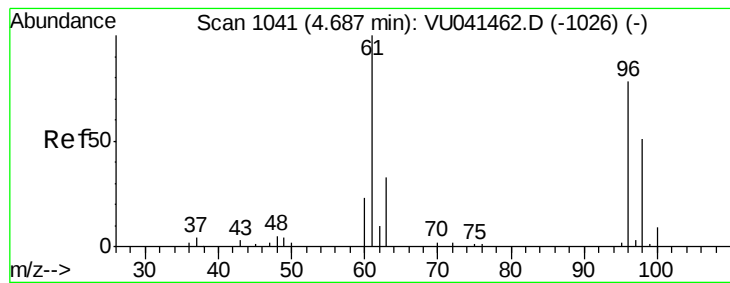
Tgt Ion: 43 Resp: 4505

Ion	Ratio	Lower	Upper
43	100		
72	23.9	15.7	47.1



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





#22

cis-1,2-Dichloroethene

Concen: 0.456 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

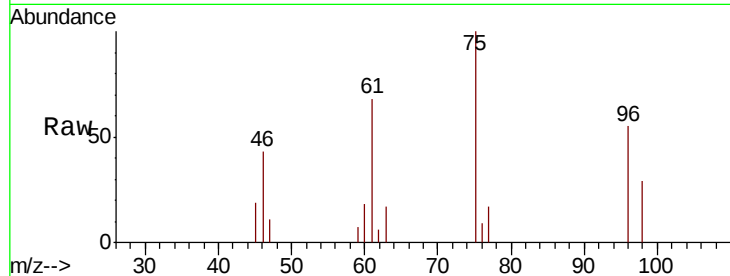
Tot Ion: 96 Resp: 1746

Ion Ratio Lower Upper

96 100

61 123.9 90.5 168.1

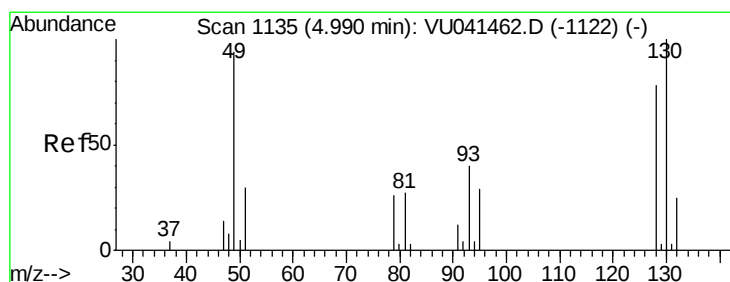
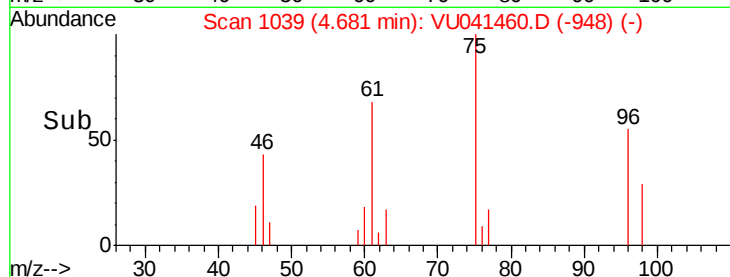
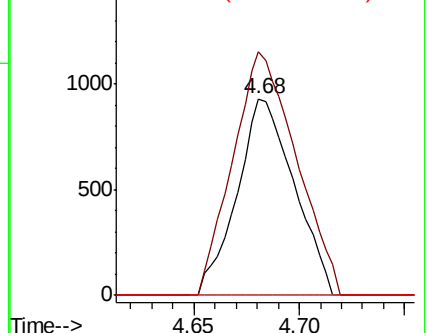
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041460.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041460.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041460.D (-948) (-)



#23

Bromochloromethane

Concen: 0.472 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Tgt Ion: 128 Resp: 926

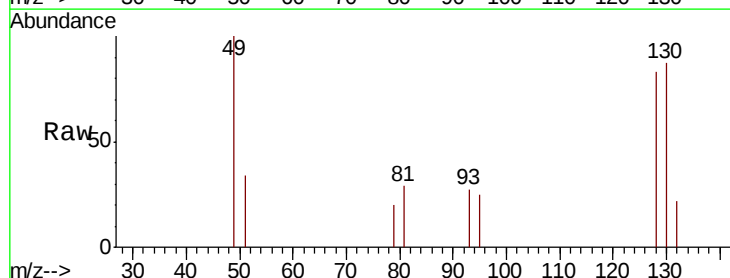
Ion Ratio Lower Upper

128 100

49 120.1 84.2 156.4

130 104.6 89.9 167.0

51 41.0 30.4 45.6

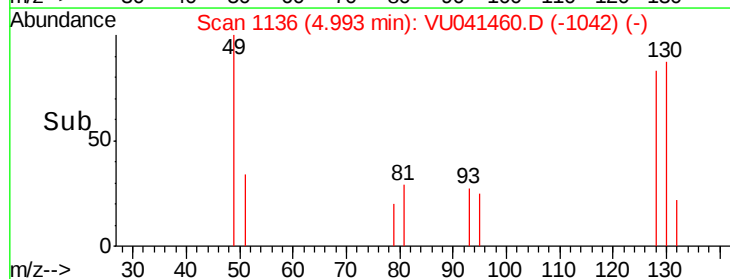
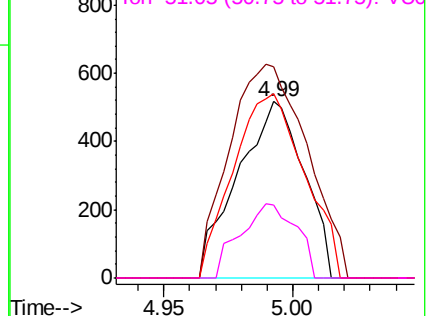


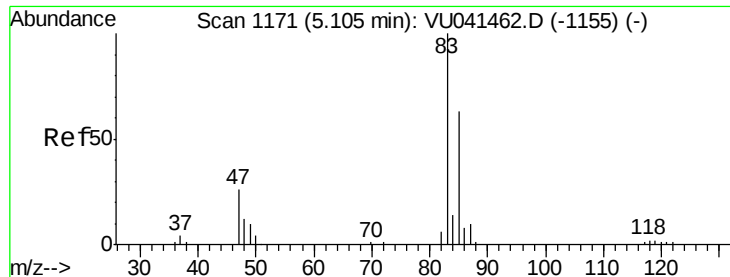
Abundance Ion 127.90 (127.60 to 128.60): VU041460.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041460.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041460.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041460.D (-1042) (-)

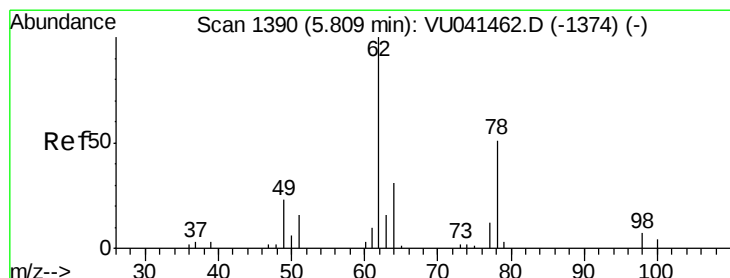
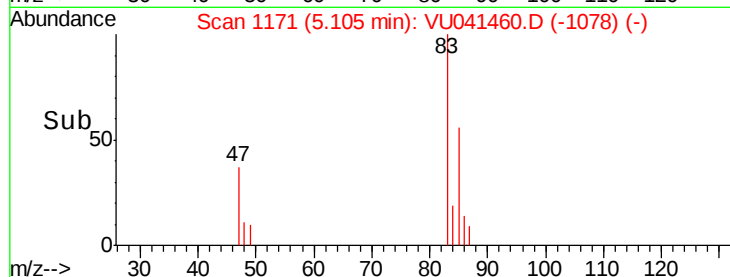
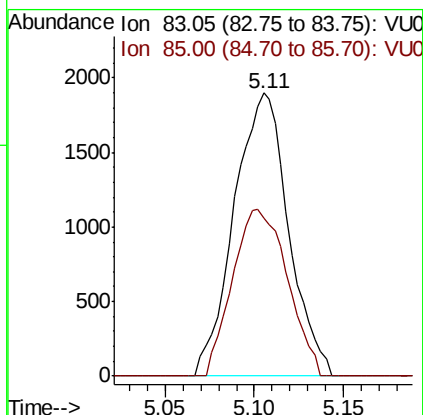
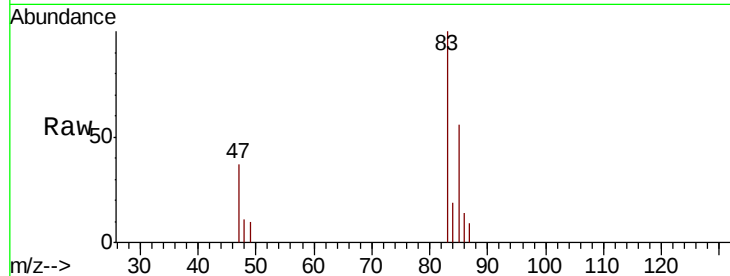




#25
Chloroform
Concen: 0.487 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

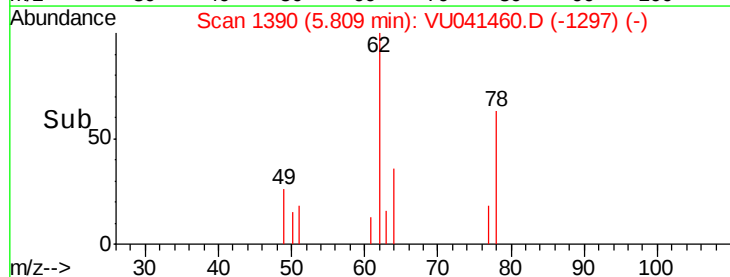
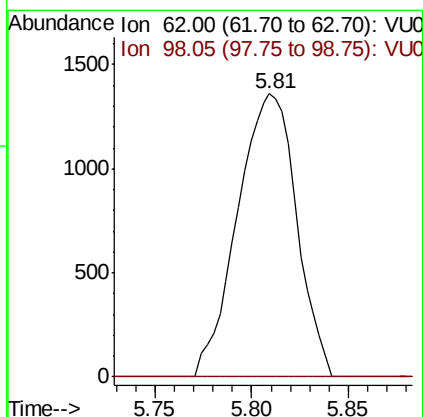
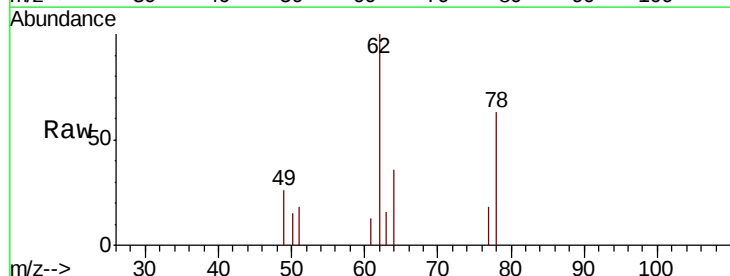
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

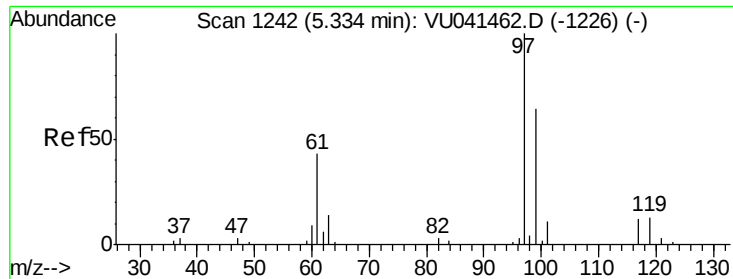
Tot Ion: 83 Resp: 4037
Ion Ratio Lower Upper
83 100
85 56.0 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.448 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion: 62 Resp: 2877
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#

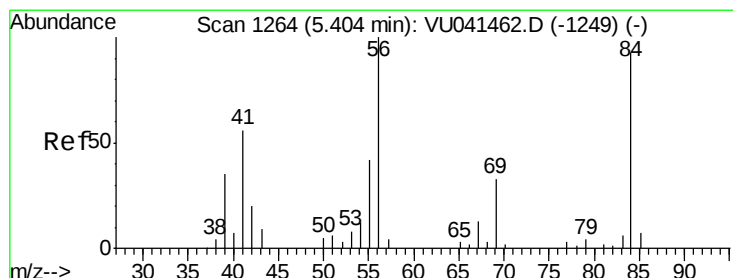
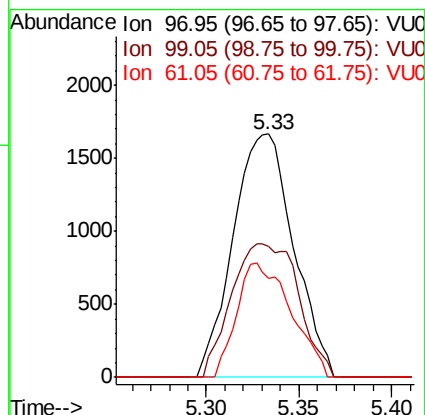
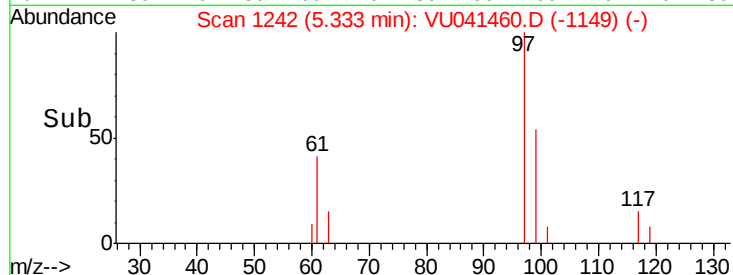
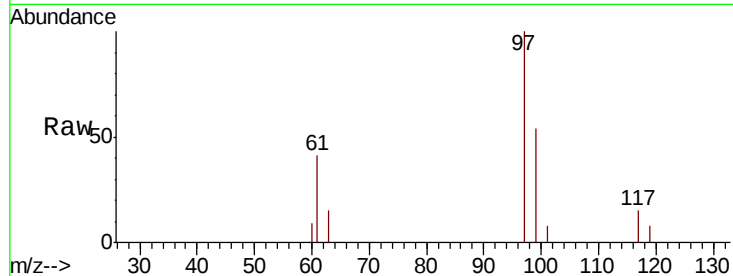




#29
1,1,1-Trichloroethane
Concen: 0.463 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

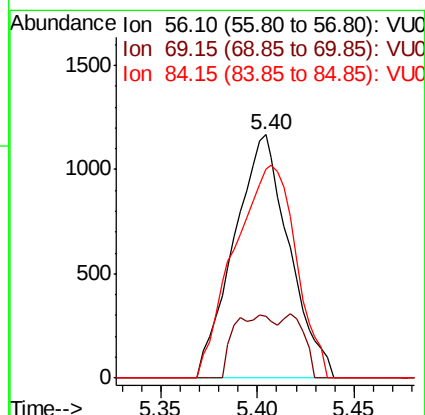
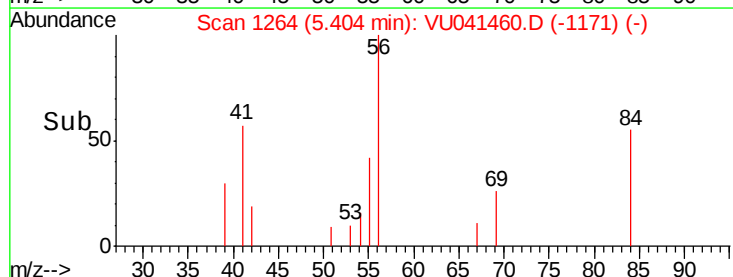
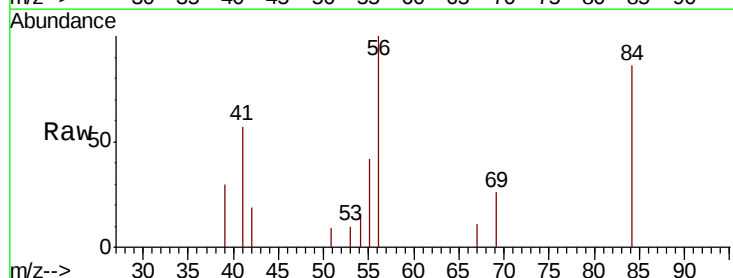
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

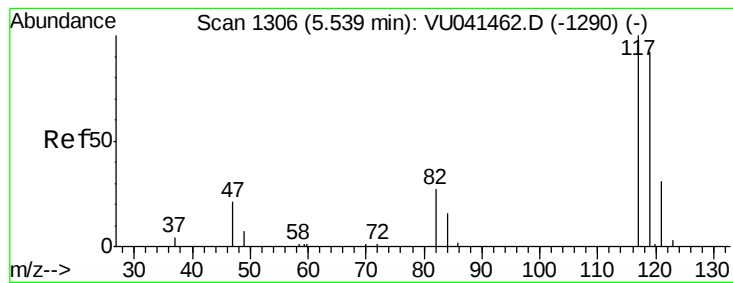
Tot Ion: 97 Resp: 3768
Ion Ratio Lower Upper
97 100
99 60.8 51.0 76.6
61 42.3 34.6 52.0



#30
Cyclohexane
Concen: 0.470 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion: 56 Resp: 2312
Ion Ratio Lower Upper
56 100
69 19.9 25.9 38.9#
84 97.8 74.9 112.3





#31

Carbon tetrachloride

Concen: 0.483 ug/L

RT: 5.53 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

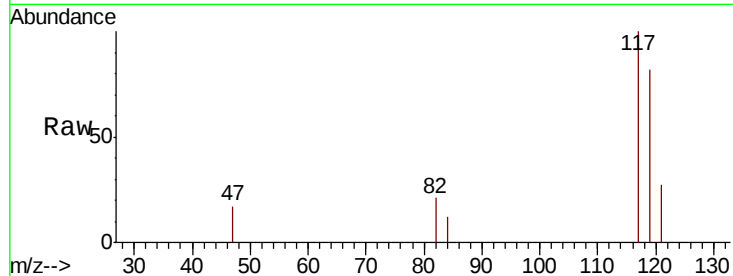
VSTD0.506

Tot Ion:117 Resp: 3540

Ion Ratio Lower Upper

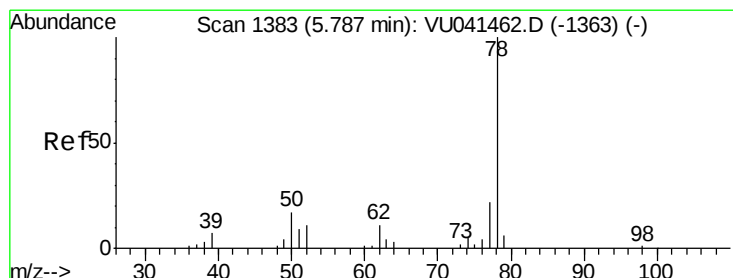
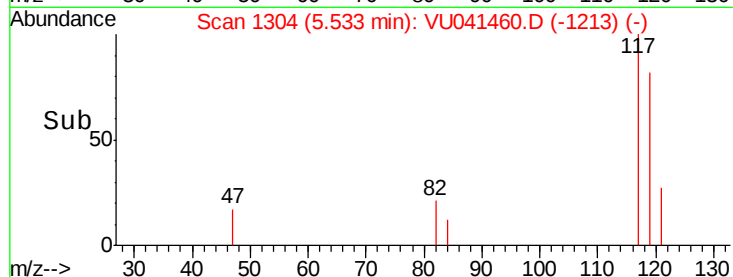
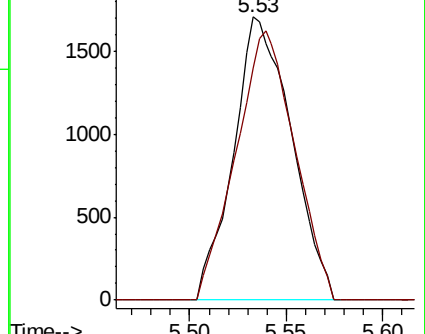
117 100

119 96.6 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.472 ug/L

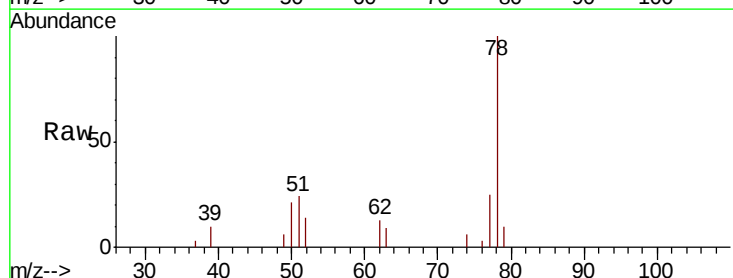
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Tgt Ion: 78 Resp: 6700



Abundance Ion 78.10 (77.80 to 78.80): VU0

4000

3000

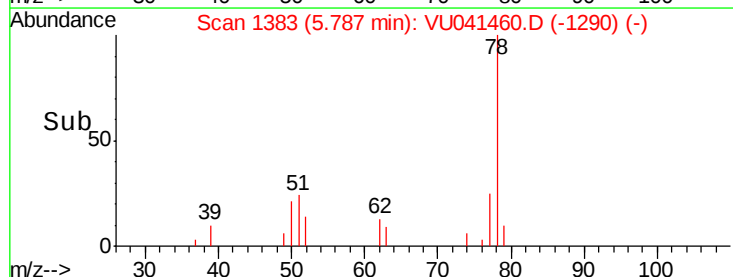
2000

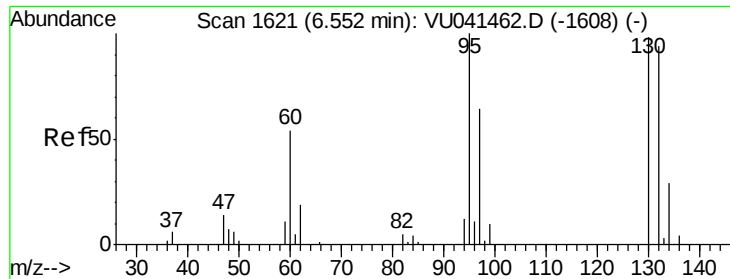
1000

0

5.75 5.80 5.85

Time-->





#34

Trichloroethene

Concen: 0.475 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 95 Resp: 1992

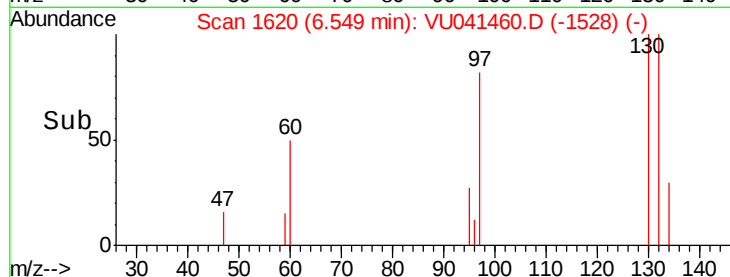
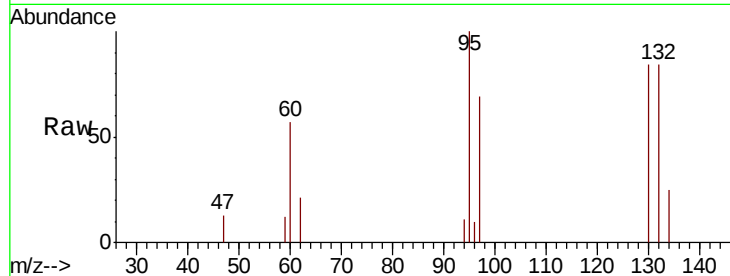
Ion Ratio Lower Upper

95 100

97 69.1 44.7 83.1

132 84.2 65.7 121.9

130 84.4 68.8 127.8

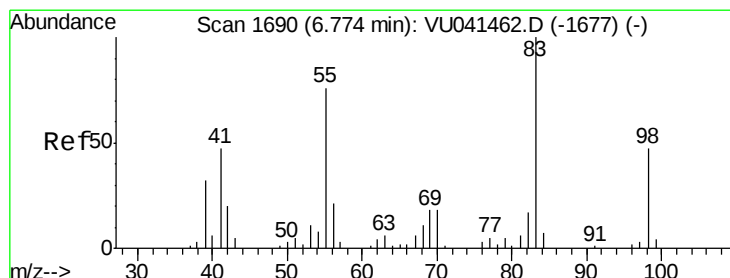
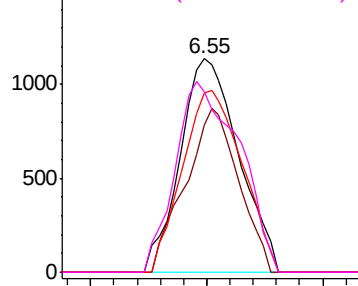


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.412 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

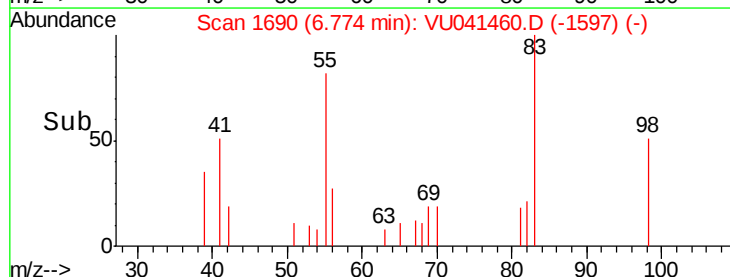
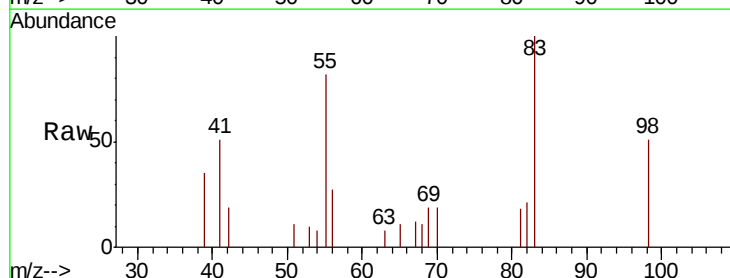
Tgt Ion: 83 Resp: 2283

Ion Ratio Lower Upper

83 100

55 89.3 62.1 93.1

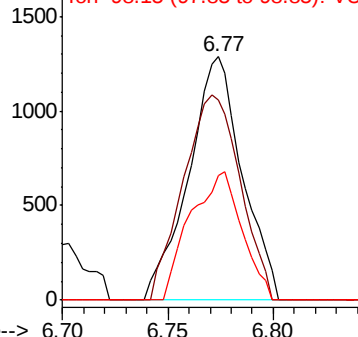
98 50.7 38.7 58.1

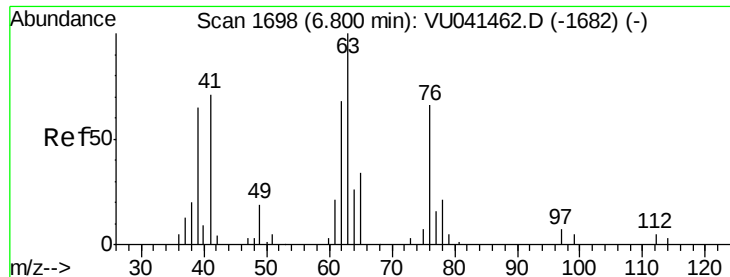


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

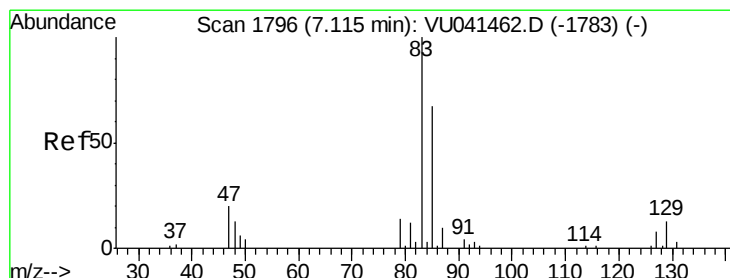
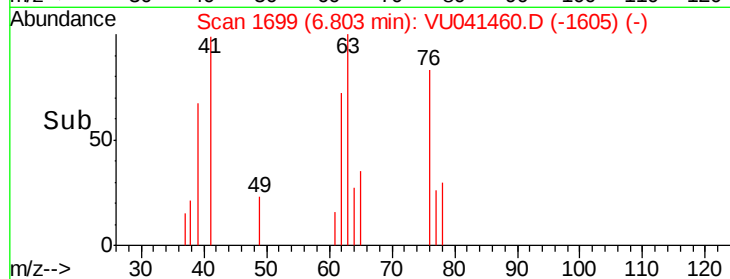
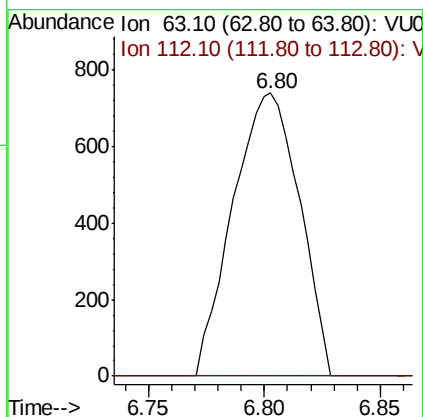
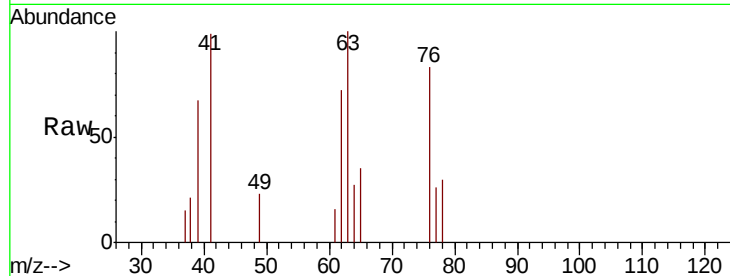




#37
 1,2-Dichloropropane
 Concen: 0.416 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

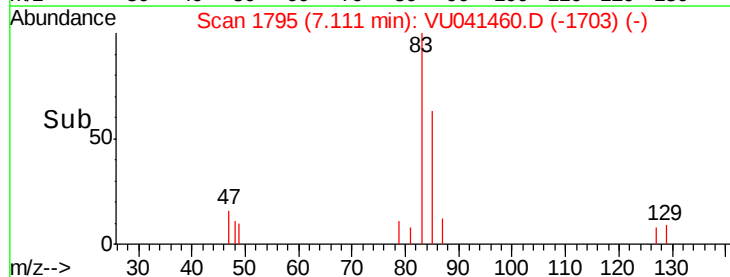
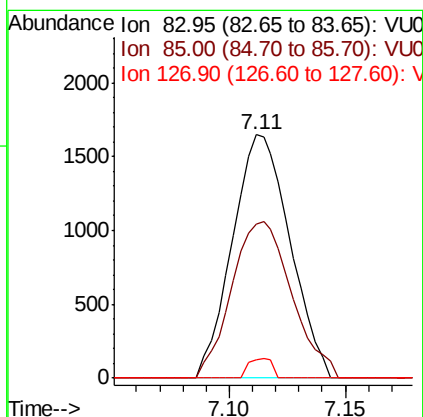
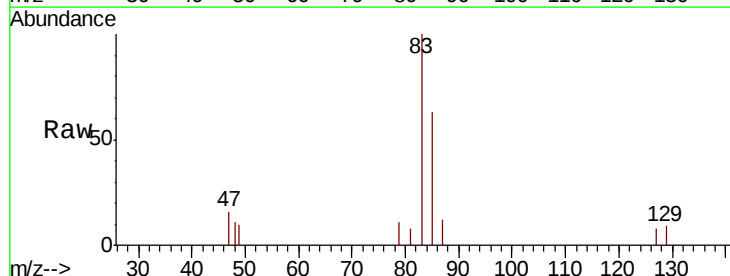
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

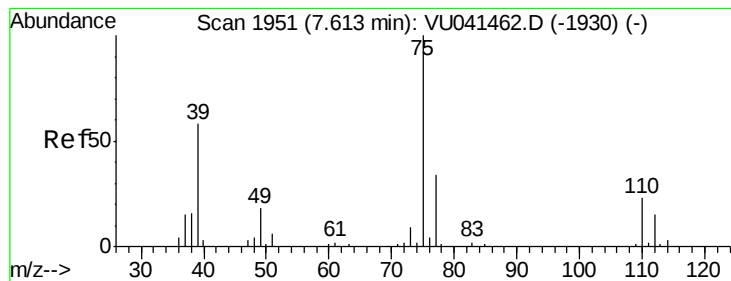
Tot Ion: 63 Resp: 1478
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 0.465 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

Tgt Ion: 83 Resp: 2836
 Ion Ratio Lower Upper
 83 100
 85 63.2 46.7 86.7
 127 7.7 6.6 10.0



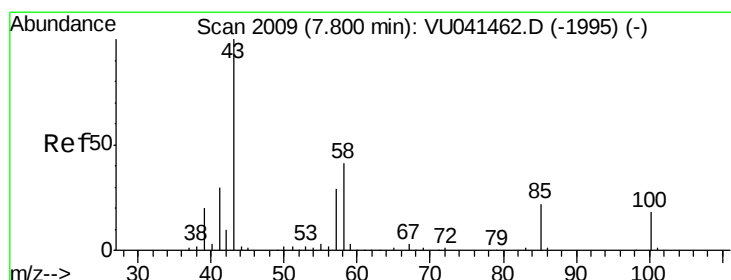
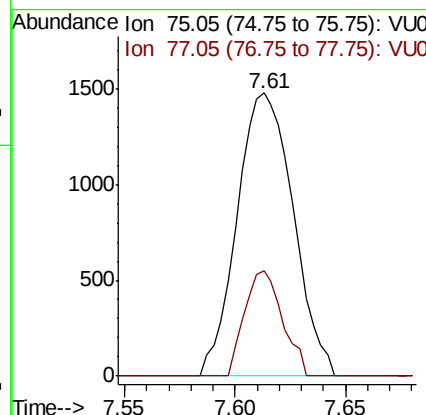
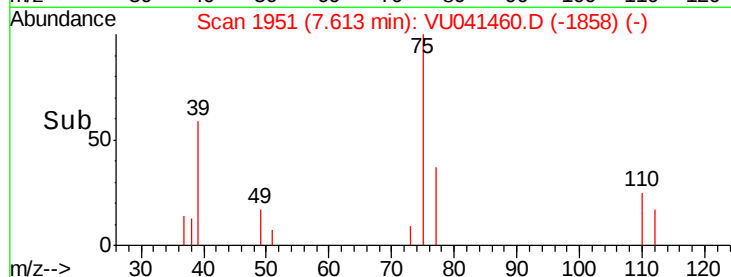
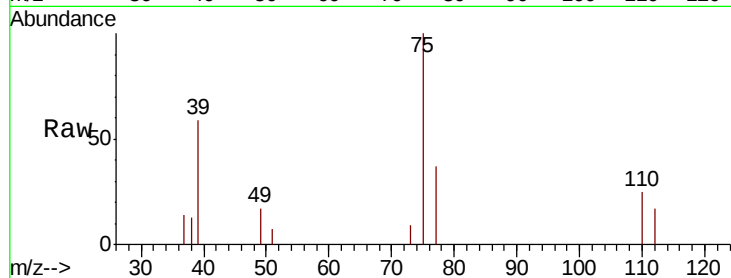


#39

cis-1,3-Dichloropropene
Concen: 0.448 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

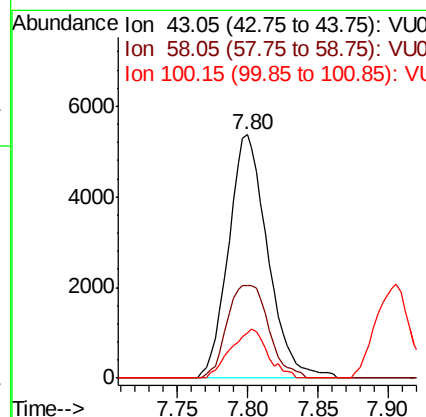
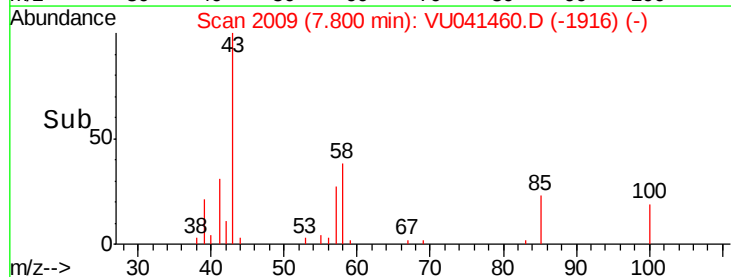
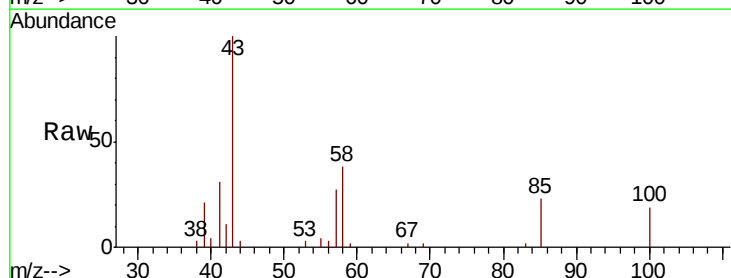
Tot Ion: 75 Resp: 2603
Ion Ratio Lower Upper
75 100
77 37.5 24.0 44.6

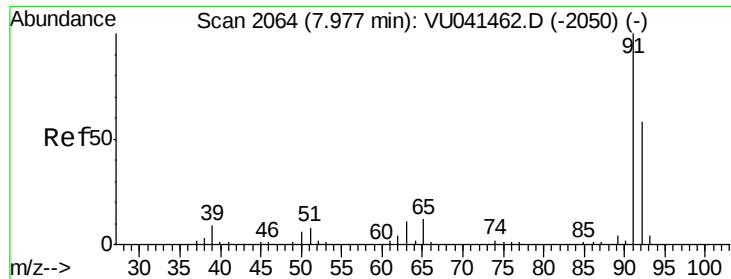


#40

4-Methyl-2-pentanone
Concen: 4.002 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion: 43 Resp: 10425
Ion Ratio Lower Upper
43 100
58 40.4 32.0 48.0
100 19.0 14.2 21.2





#42

Toluene

Concen: 0.447 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

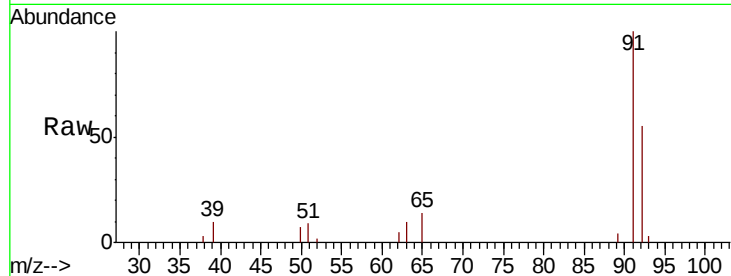
VSTD0.506

Tot Ion: 91 Resp: 6959

Ion Ratio Lower Upper

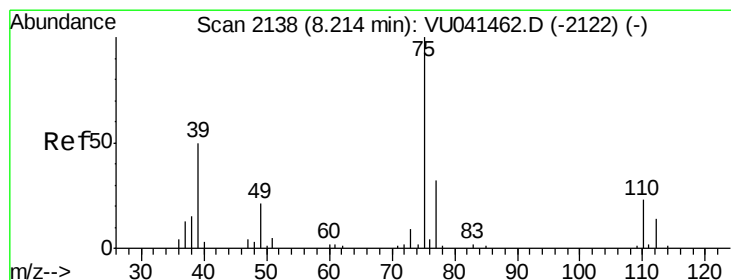
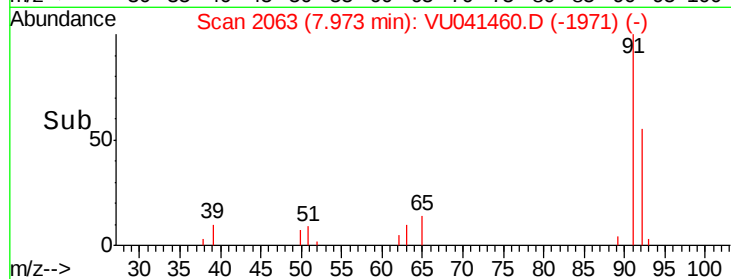
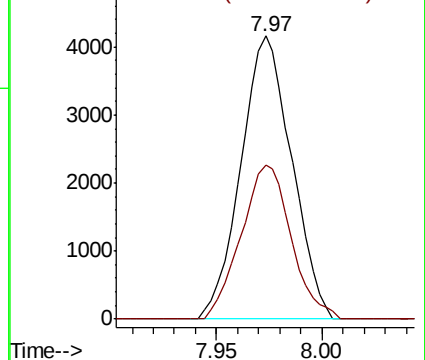
91 100

92 54.5 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.415 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041460.D

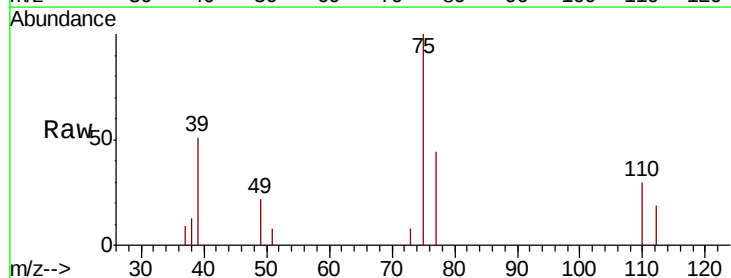
Acq: 04 Dec 2020 09:39

Tgt Ion: 75 Resp: 2516

Ion Ratio Lower Upper

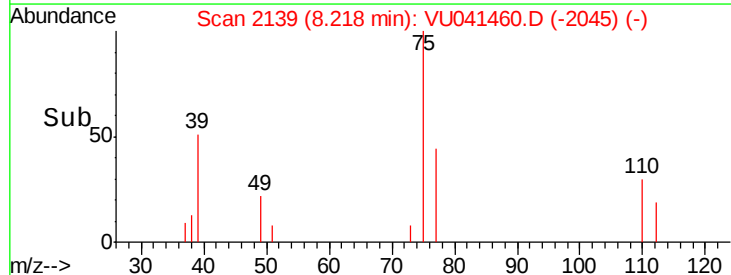
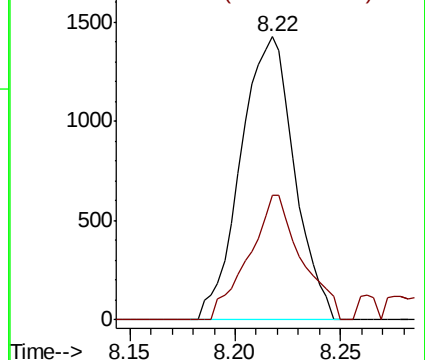
75 100

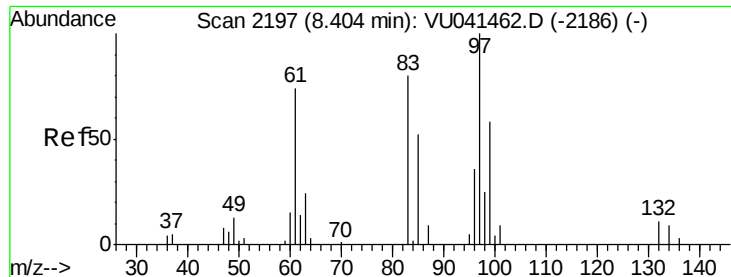
77 44.1 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

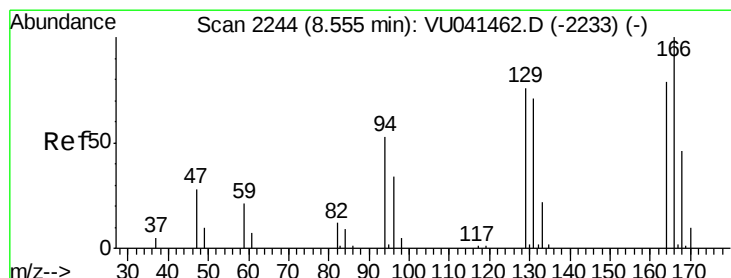
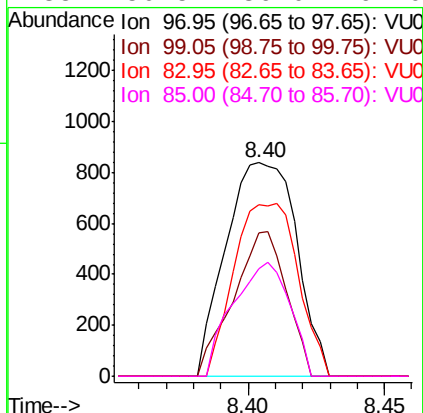
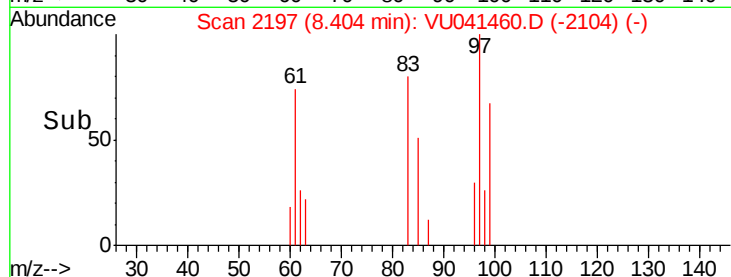
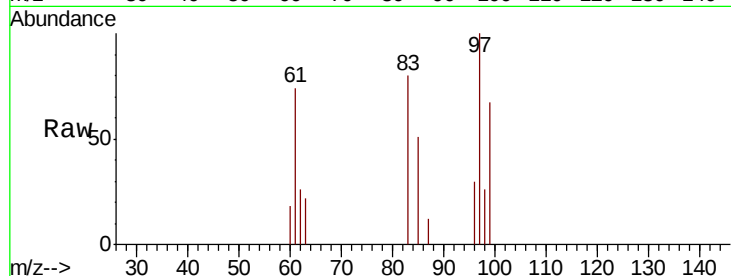




#45
1,1,2-Trichloroethane
Concen: 0.491 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

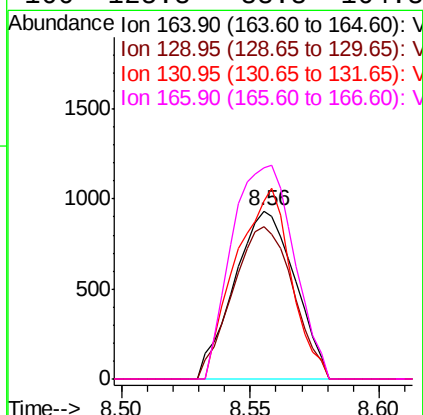
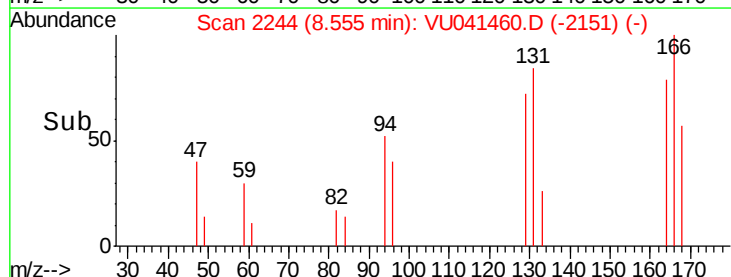
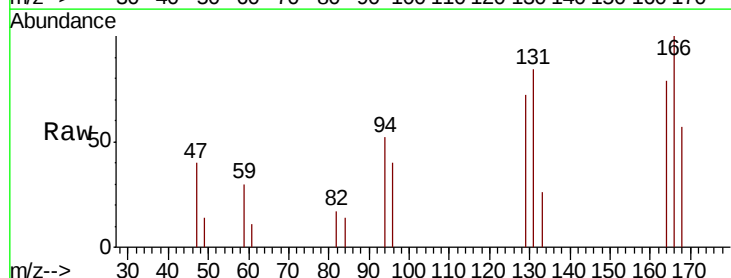
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

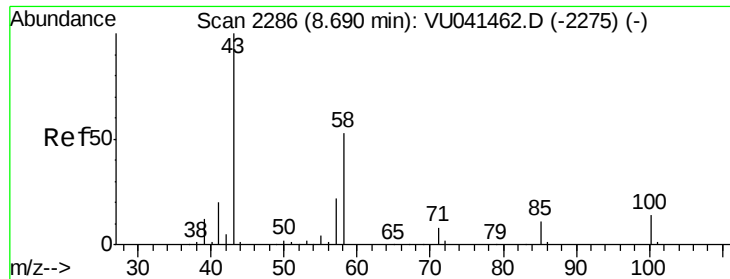
Tot Ion:	97	Resp:	1510
Ion	Ratio	Lower	Upper
97	100		
99	66.9	40.7	75.7
83	80.3	56.2	104.4
85	50.5	36.0	67.0



#47
Tetrachloroethene
Concen: 0.485 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion:	164	Resp:	1533
Ion	Ratio	Lower	Upper
164	100		
129	90.3	67.1	124.7
131	106.2	63.3	117.7
166	125.8	88.8	164.8

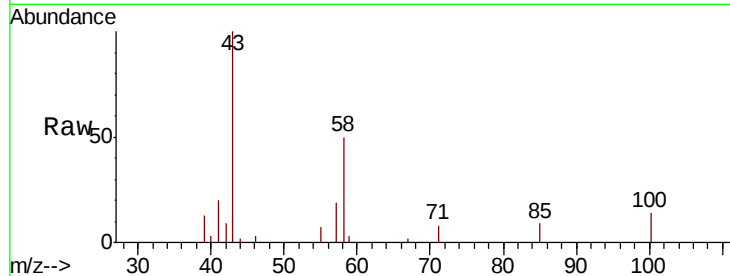




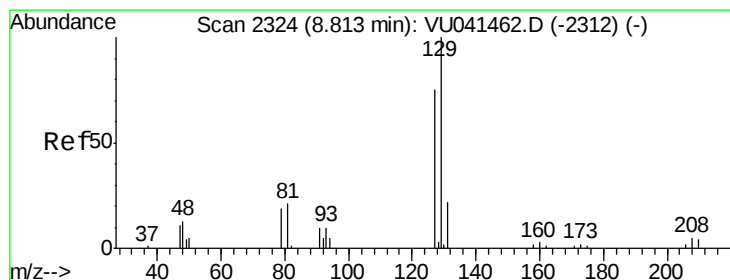
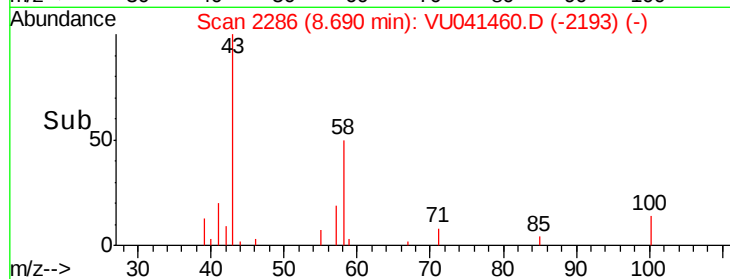
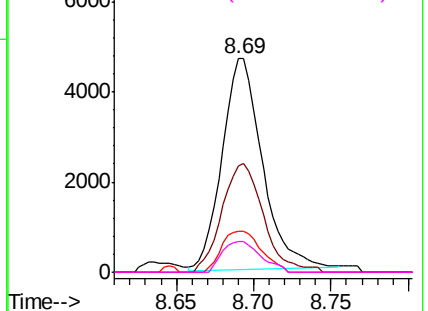
#48
2-Hexanone
Concen: 4.205 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion: 43 Resp: 8436
Ion Ratio Lower Upper
43 100
58 53.2 41.4 62.0
57 19.2 17.1 25.7
100 14.0 10.6 16.0

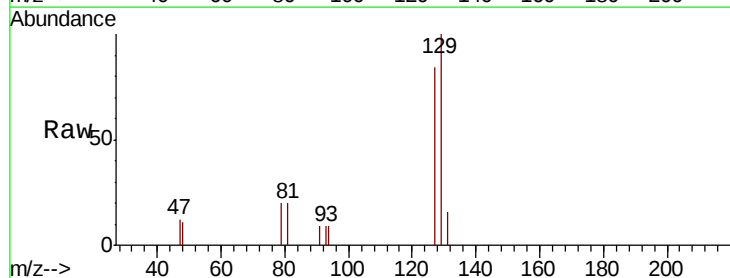


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

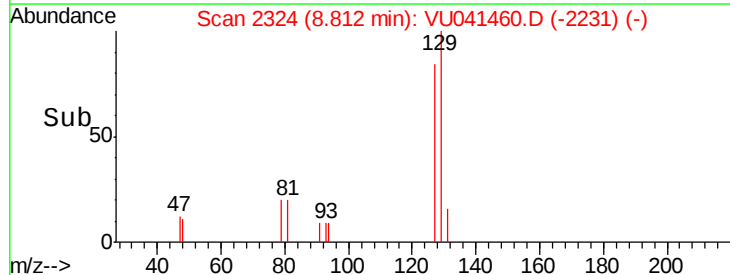
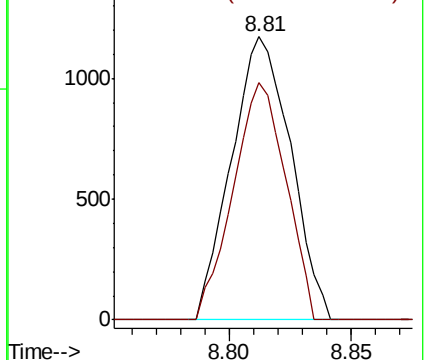


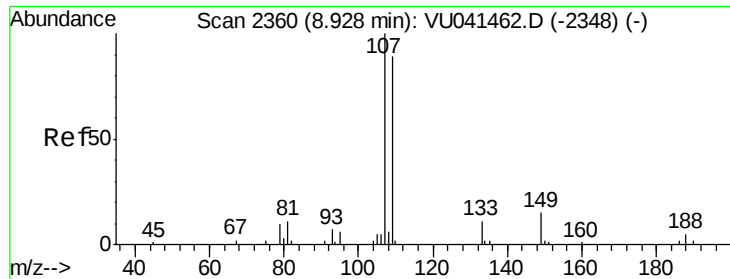
#49
Dibromochloromethane
Concen: 0.461 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion: 129 Resp: 1976
Ion Ratio Lower Upper
129 100
127 83.7 52.4 97.2



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

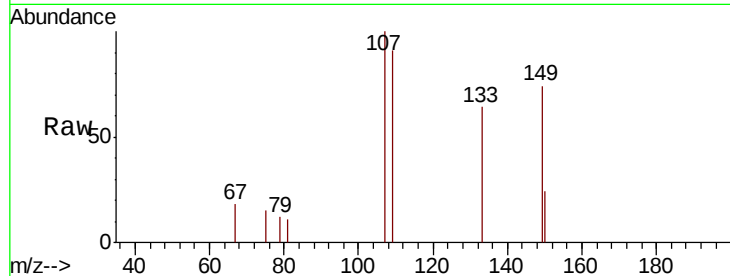




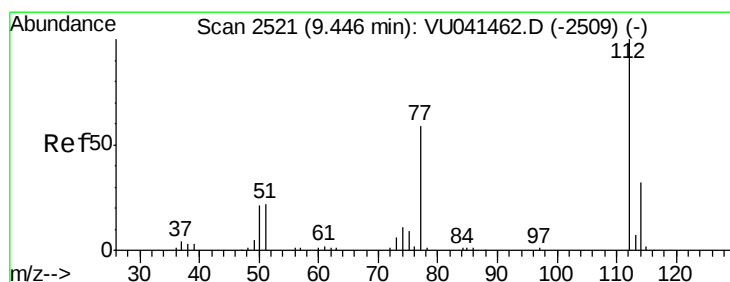
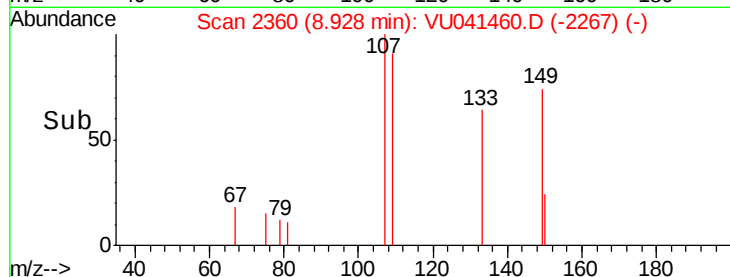
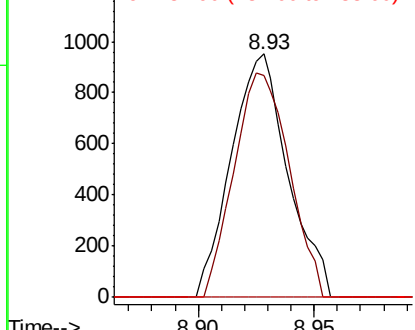
#50
1,2-Dibromoethane
Concen: 0.533 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion:107 Resp: 1617
Ion Ratio Lower Upper
107 100
109 90.9 62.3 115.7
188 0.0 4.2 6.4#

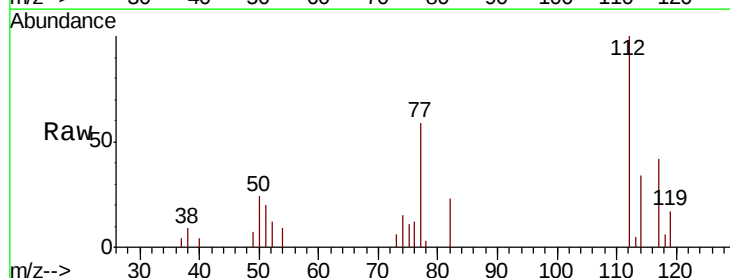


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

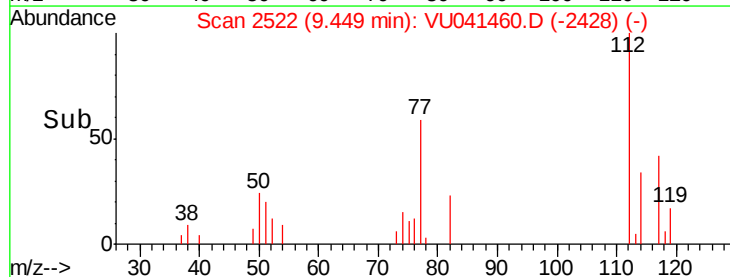
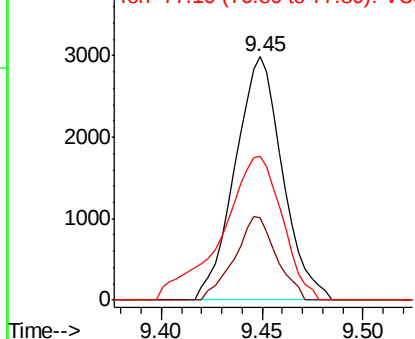


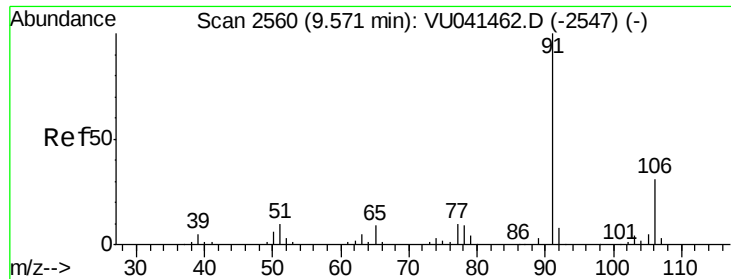
#51
Chlorobenzene
Concen: 0.464 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion:112 Resp: 4914
Ion Ratio Lower Upper
112 100
114 33.6 22.7 42.1
77 59.2 48.2 72.2



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: 0.443 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

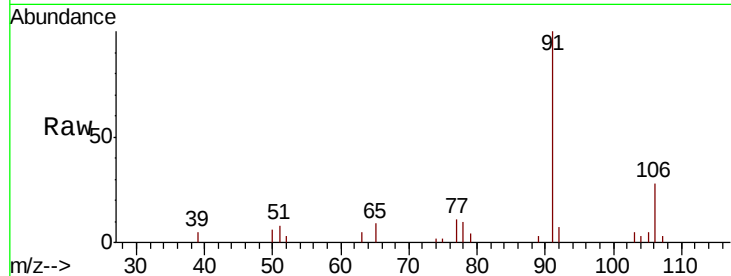
VSTD0.506

Tot Ion: 91 Resp: 8040

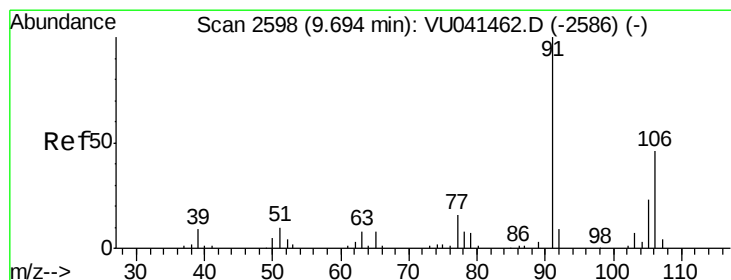
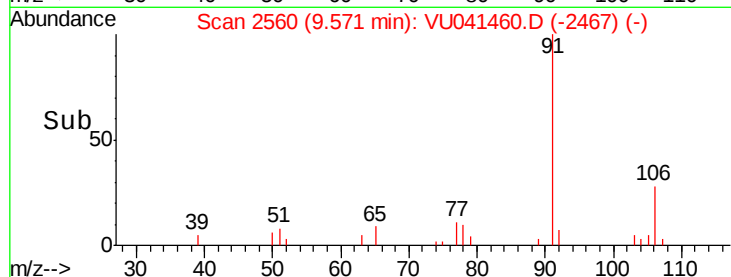
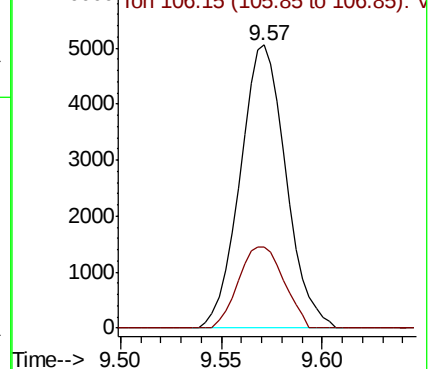
Ion Ratio Lower Upper

91 100

106 28.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041460.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.423 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041460.D

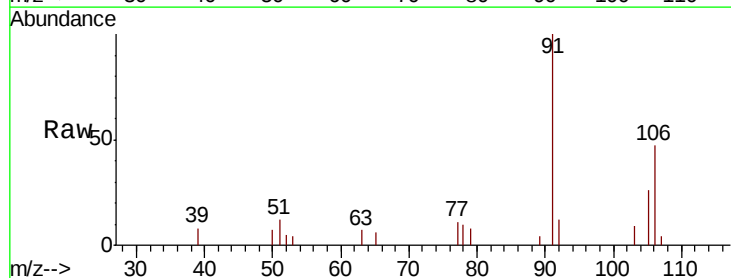
Acq: 04 Dec 2020 09:39

Tgt Ion: 106 Resp: 2810

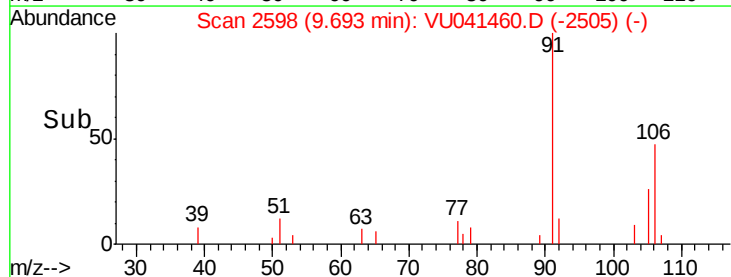
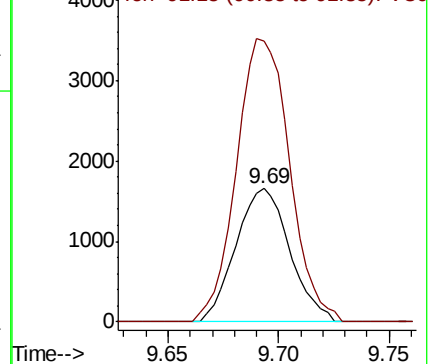
Ion Ratio Lower Upper

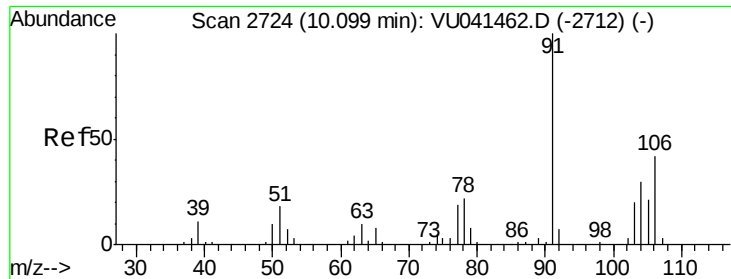
106 100

91 210.7 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041460.D (-2598) (-)

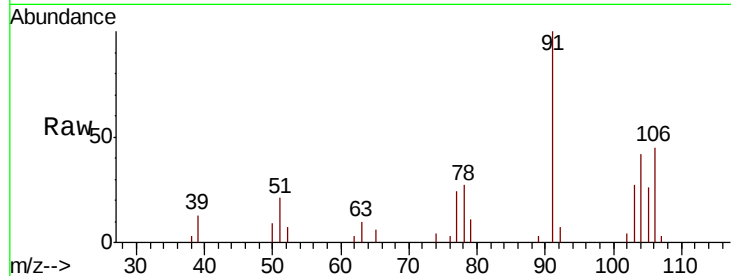




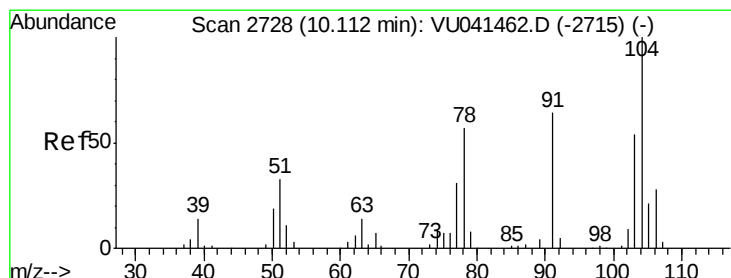
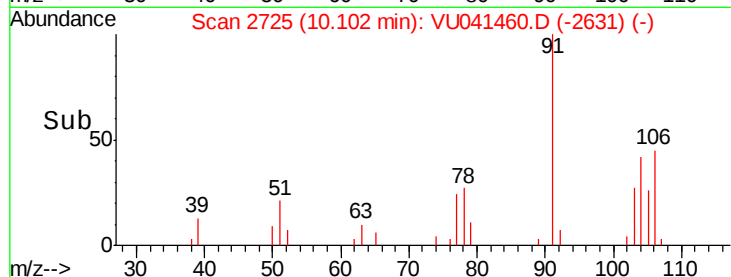
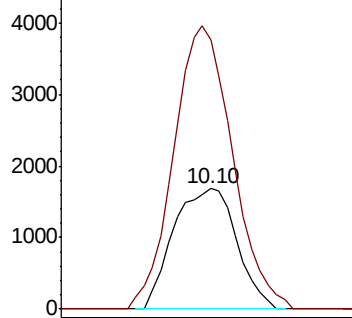
#54
o-Xylene
Concen: 0.457 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion:106 Resp: 2858
Ion Ratio Lower Upper
106 100
91 224.0 165.8 308.0

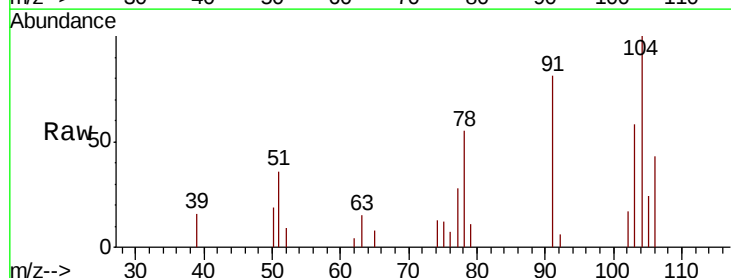


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

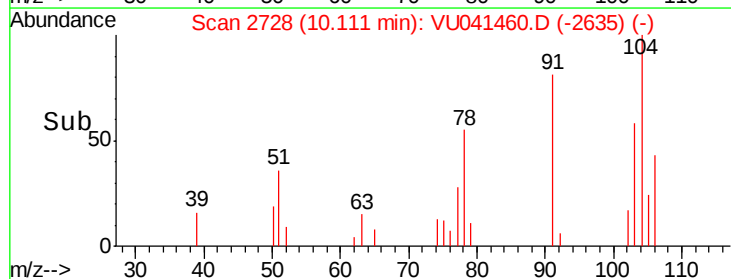
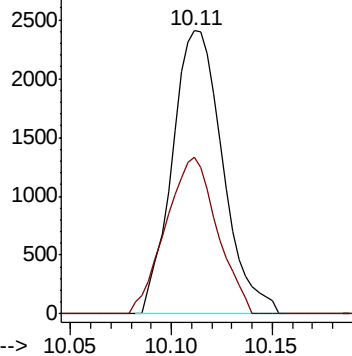


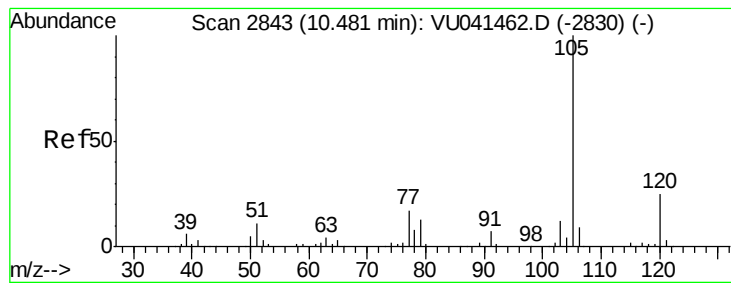
#55
Styrene
Concen: 0.376 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion:104 Resp: 4223
Ion Ratio Lower Upper
104 100
78 55.5 39.8 74.0



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





#56

Isopropylbenzene

Concen: 0.425 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

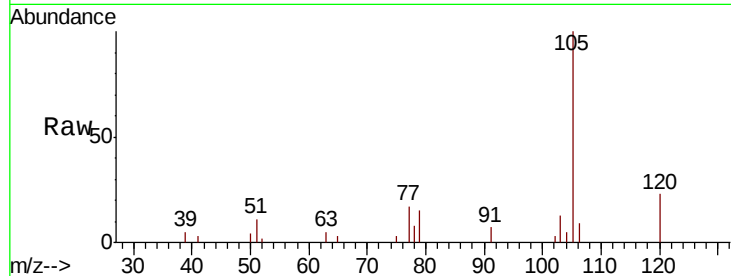
Tot Ion:105 Resp: 7646

Ion Ratio Lower Upper

105 100

120 24.2 20.0 30.0

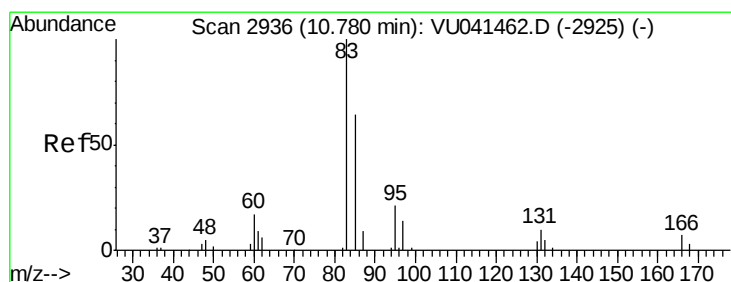
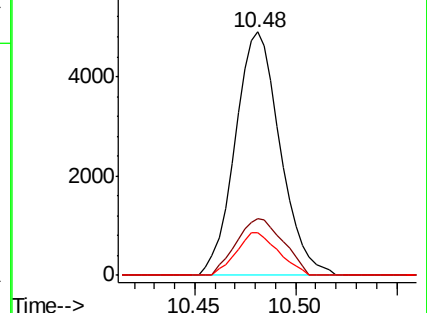
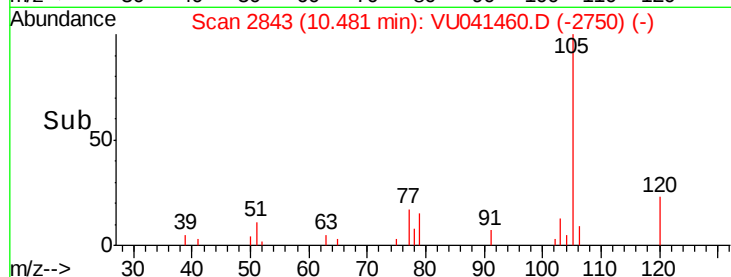
77 16.5 13.9 20.9



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: 0.442 ug/L

RT: 10.78 min Scan# 2935

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

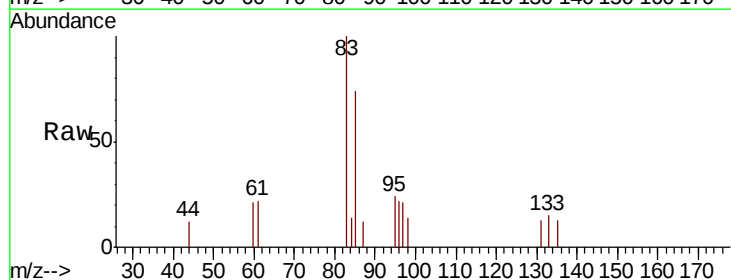
Tgt Ion: 83 Resp: 1723

Ion Ratio Lower Upper

83 100

85 73.8 45.2 84.0

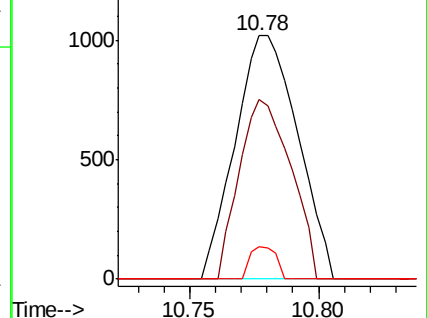
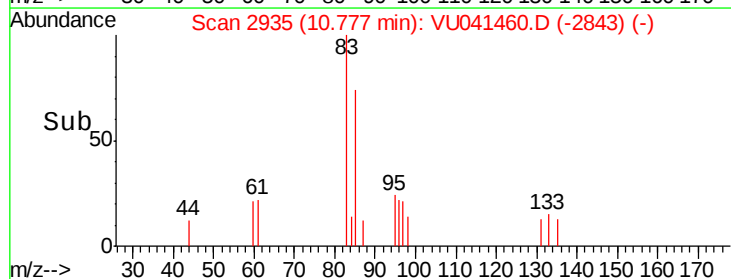
131 13.2 9.1 13.7

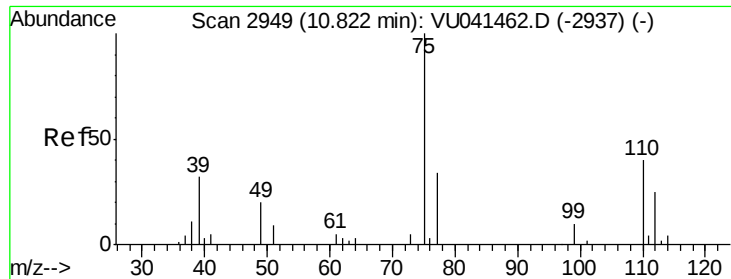


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.429 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

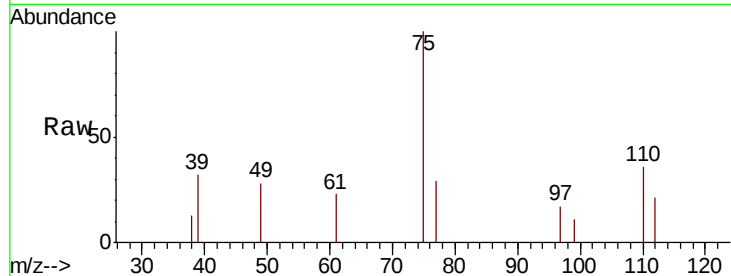
VSTD0.506

Tot Ion: 75 Resp: 1393

Ion Ratio Lower Upper

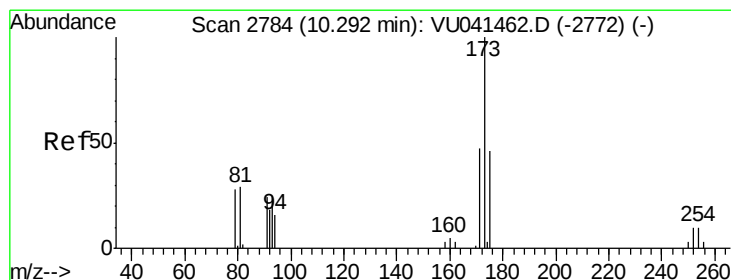
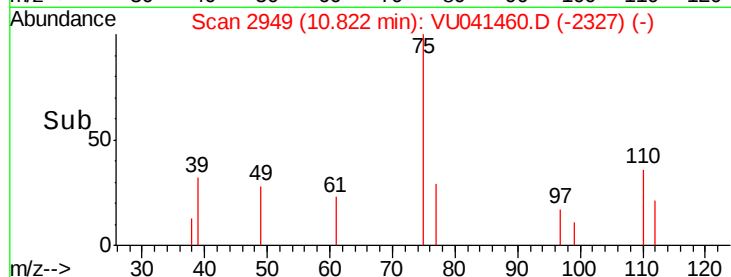
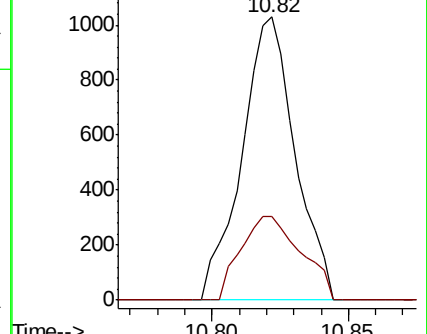
75 100

77 33.5 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU041460.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041460.D (-2937) (-)



#61

Bromoform

Concen: 0.477 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

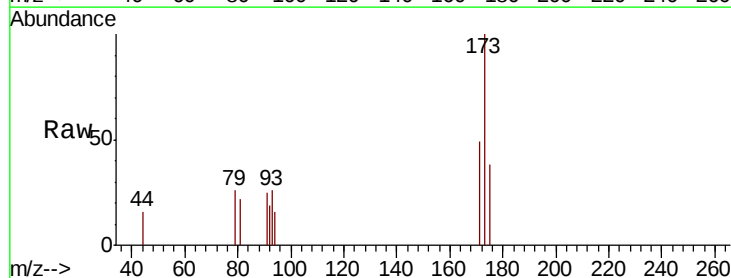
Tgt Ion: 173 Resp: 1188

Ion Ratio Lower Upper

173 100

175 45.7 38.8 58.2

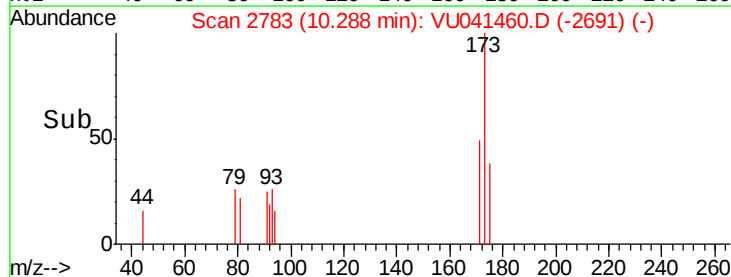
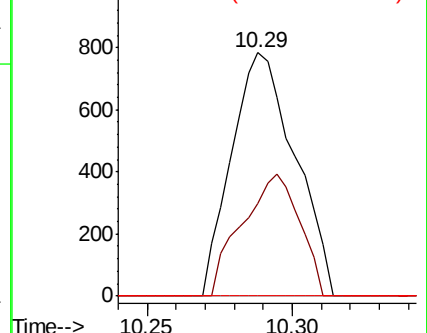
254 0.0 7.6 11.4#

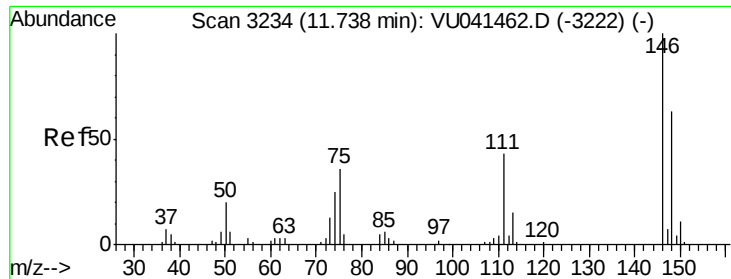


Abundance Ion 172.90 (172.60 to 173.60): VU041460.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041460.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041460.D (-2691) (-)

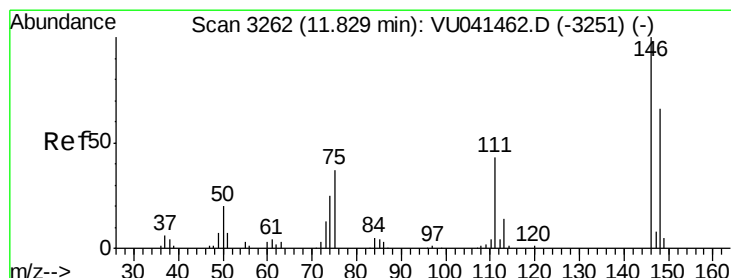
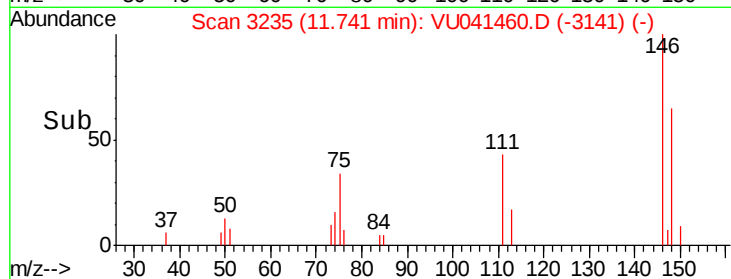
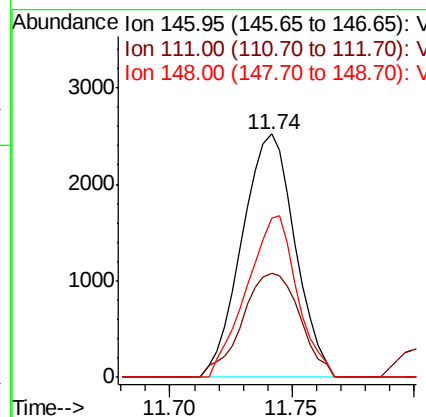
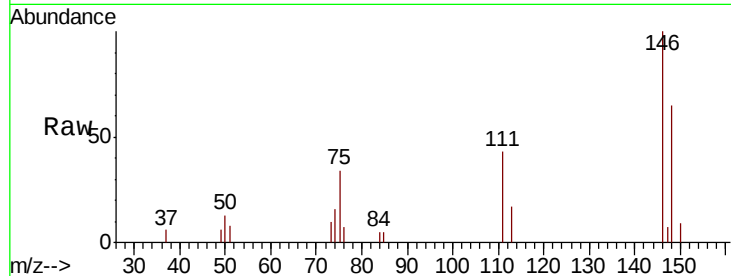




#62
 1,3-Dichlorobenzene
 Concen: 0.444 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

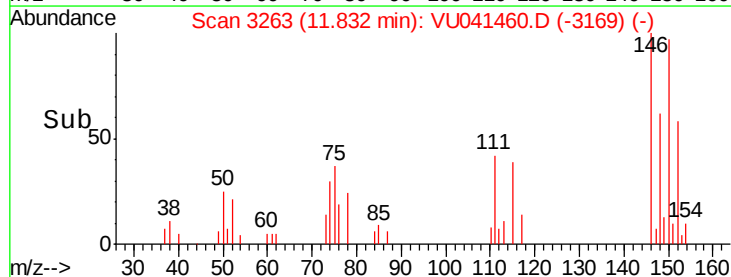
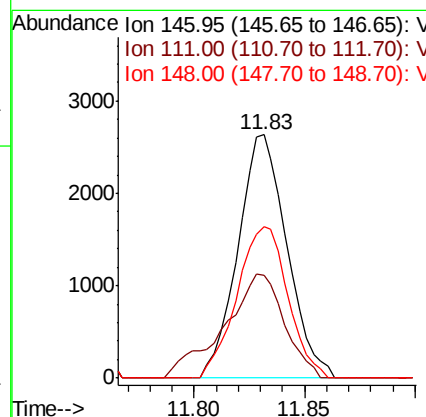
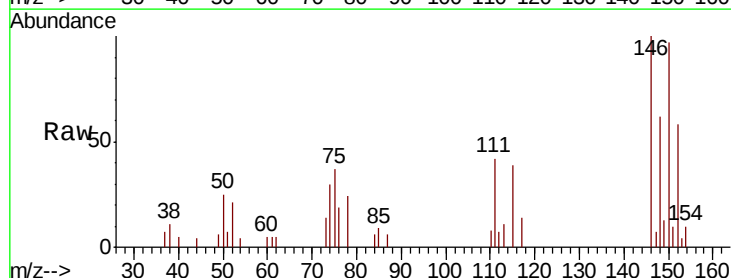
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

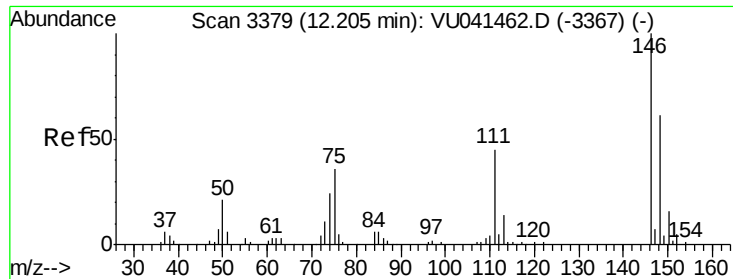
Tot Ion:146 Resp: 3795
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.2 56.0
 148 65.4 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 0.472 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

Tgt Ion:146 Resp: 4056
 Ion Ratio Lower Upper
 146 100
 111 42.2 30.7 57.1
 148 62.3 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 0.448 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

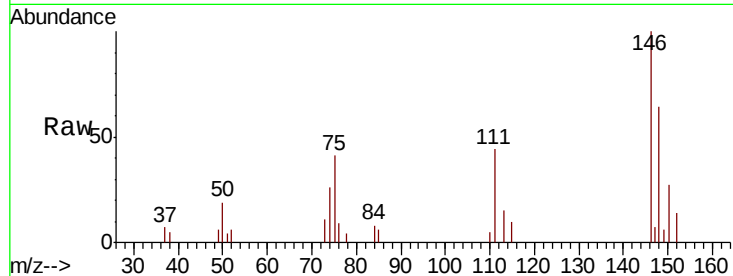
Tot Ion:146 Resp: 3739

Ion Ratio Lower Upper

146 100

111 43.9 36.0 54.0

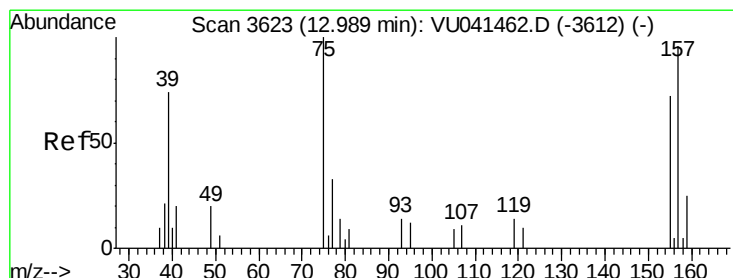
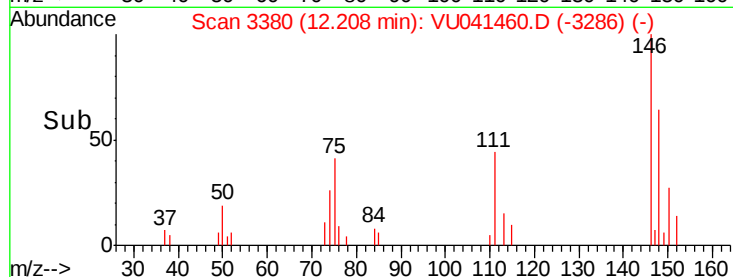
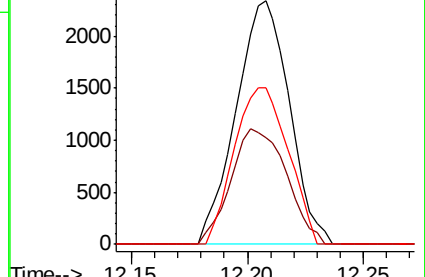
148 64.4 49.0 73.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.357 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041460.D

Acq: 04 Dec 2020 09:39

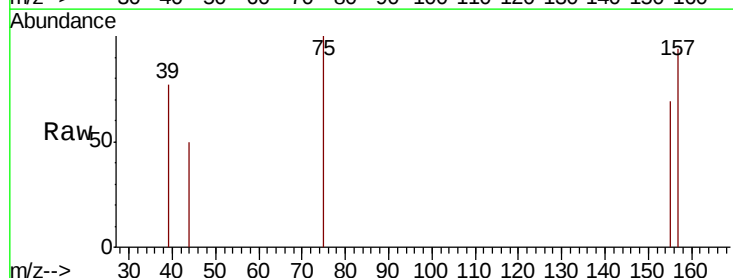
Tgt Ion: 75 Resp: 292

Ion Ratio Lower Upper

75 100

155 68.7 58.0 87.0

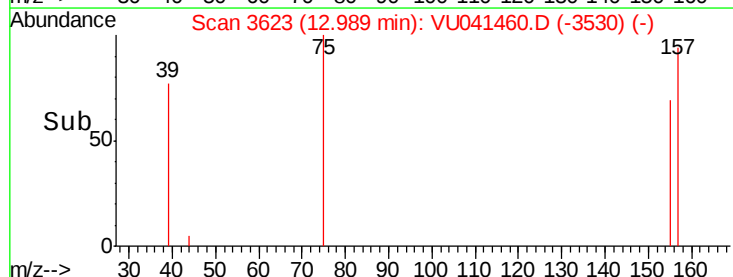
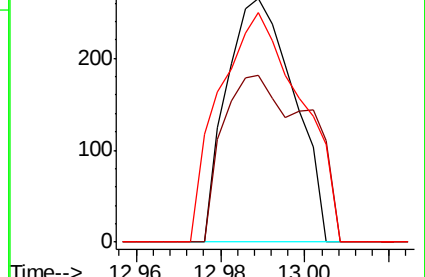
157 94.3 77.1 115.7

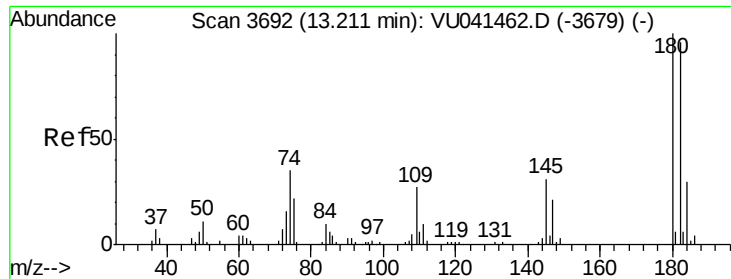


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

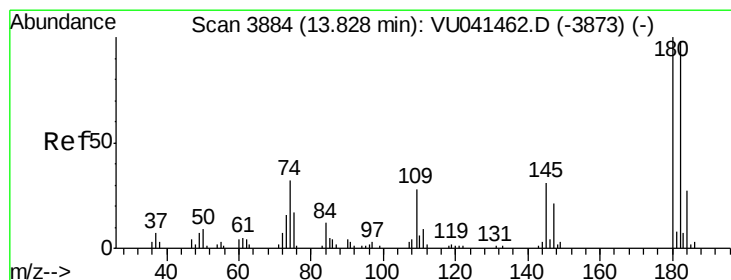
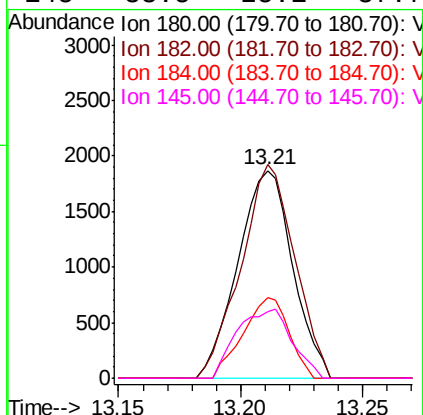
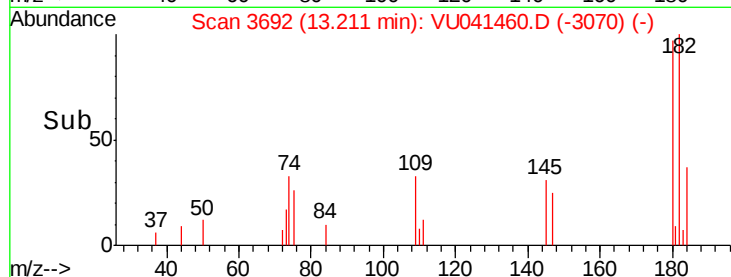
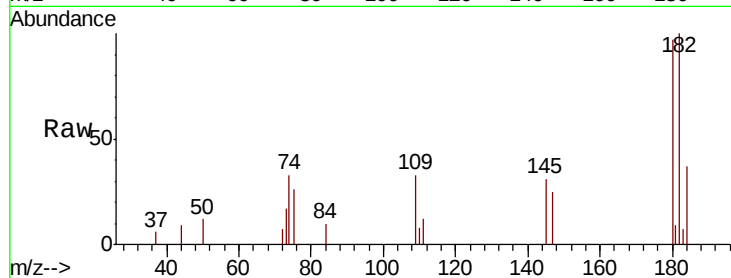




#67
 1,3,5-Trichlorobenzene
 Concen: 0.439 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

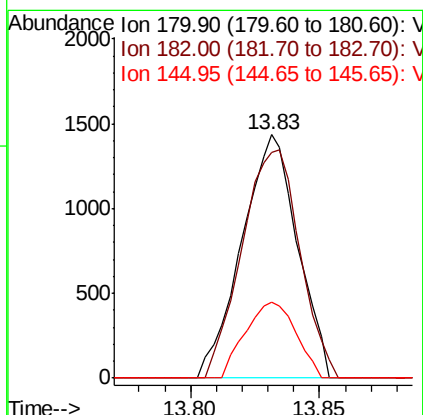
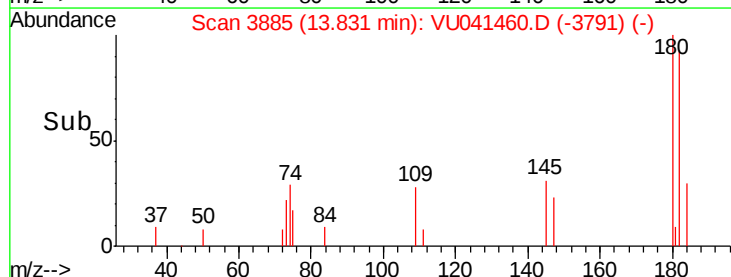
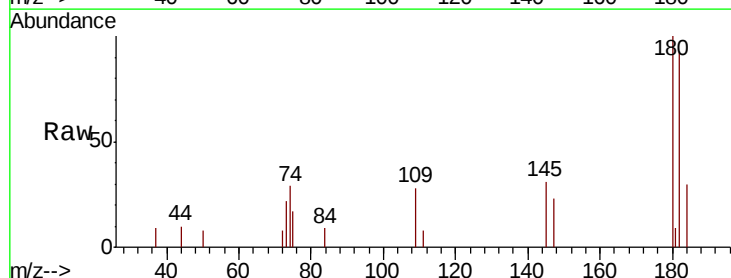
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

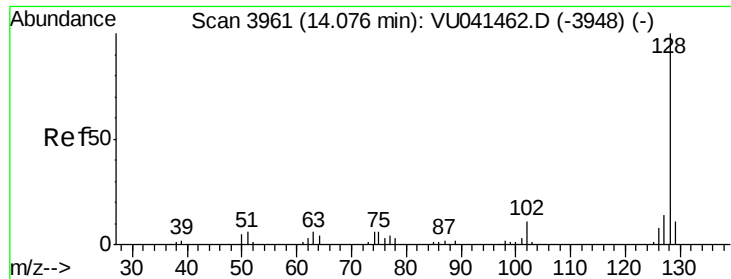
Tot Ion:180 Resp: 2902
 Ion Ratio Lower Upper
 180 100
 182 100.8 76.3 114.5
 184 32.4 23.8 35.6
 145 33.5 25.1 37.7



#68
 1,2,4-trichlorobenzene
 Concen: 0.405 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041460.D
 Acq: 04 Dec 2020 09:39

Tgt Ion:180 Resp: 2165
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.8 116.8
 145 28.5 26.4 39.6

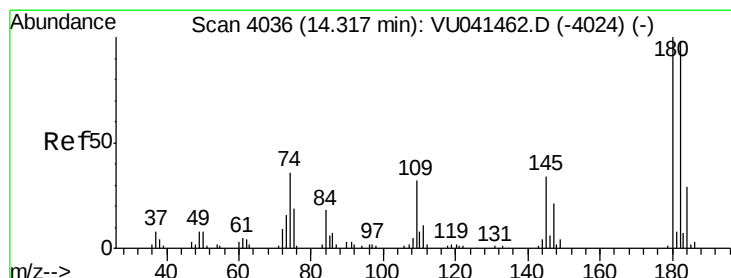
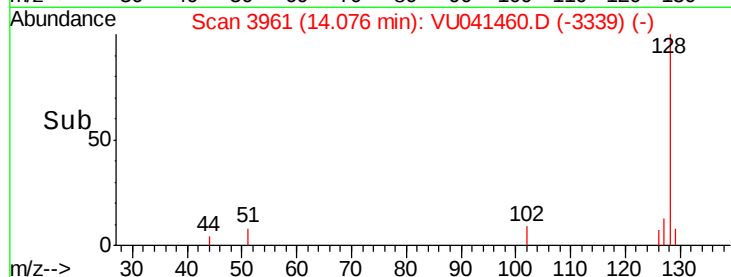
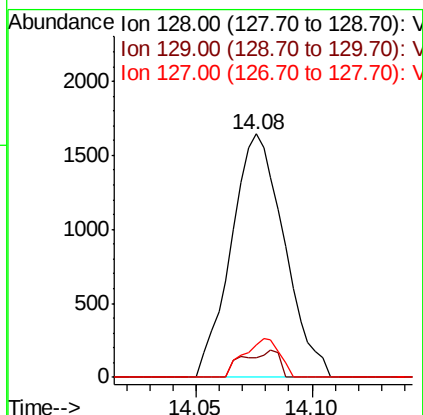
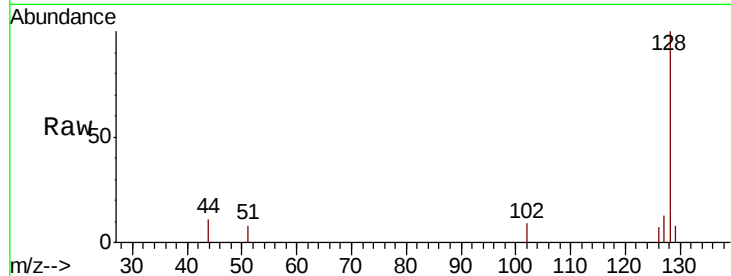




#69
Naphthalene
Concen: 0.294 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion:128 Resp: 2610
Ion Ratio Lower Upper
128 100
129 7.5 8.6 12.8#
127 10.7 10.9 16.3#



#70
1,2,3-Trichlorobenzene
Concen: 0.403 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU041460.D
Acq: 04 Dec 2020 09:39

Tgt Ion:180 Resp: 1999
Ion Ratio Lower Upper
180 100
182 92.5 79.1 118.7
145 24.4 27.8 41.8#

