

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121220\
 Data File : VU041576.D
 Acq On : 12 Dec 2020 18:37
 Operator : SY/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Quant Time: Dec 13 09:49:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	165022	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	152926	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	81441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	131274	9.99	ug/L	0.00
7) Chloroethane-d5	1.92	69	101206	9.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	240913	10.07	ug/L	0.00
20) 2-Butanone-d5	4.65	46	390629	102.89	ug/L	0.00
24) Chloroform-d	5.08	84	224289	10.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	123726	9.99	ug/L	0.00
32) Benzene-d6	5.74	84	460947	10.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	143224	10.38	ug/L	0.00
41) Toluene-d8	7.91	98	424447	10.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	63825	10.11	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	379367	108.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	131446	10.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	148977	10.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	141126	9.727	ug/L 100
3) Chloromethane	1.53	50	135587	9.440	ug/L 97
5) Vinyl chloride	1.61	62	146676	9.549	ug/L 99
6) Bromomethane	1.87	94	91765	9.476	ug/L 98
8) Chloroethane	1.94	64	91865	8.887	ug/L 97
9) Trichlorofluoromethane	2.15	101	193899	9.535	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	114915	9.743	ug/L 98
12) 1,1-Dichloroethene	2.59	96	112065	9.689	ug/L 96
13) Acetone	2.66	43	234014	96.418	ug/L 98
14) Carbon disulfide	2.81	76	388634	9.613	ug/L 99
15) Methyl Acetate	2.97	43	60137	9.247	ug/L 100
16) Methylene chloride	3.06	84	125951	9.521	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	307627	9.763	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	117741	9.541	ug/L 99
19) 1,1-Dichloroethane	3.89	63	219361	9.778	ug/L 99
21) 2-Butanone	4.73	43	390310	95.090	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	129187	9.675	ug/L 99
23) Bromochloromethane	4.99	128	61720	9.902	ug/L 98
25) Chloroform	5.11	83	214472	9.271	ug/L 97
27) 1,2-Dichloroethane	5.81	62	148344	9.538	ug/L 98
29) 1,1,1-Trichloroethane	5.33	97	183426	9.889	ug/L 99
30) Cyclohexane	5.40	56	208993	9.935	ug/L 96
31) Carbon tetrachloride	5.54	117	157671	9.730	ug/L 97
33) Benzene	5.79	78	502968	9.674	ug/L 100
34) Trichloroethene	6.55	95	127647	9.746	ug/L 96
35) Methylcyclohexane	6.77	83	214602	10.213	ug/L 100
37) 1,2-Dichloropropane	6.80	63	128462	9.957	ug/L 100
38) Bromodichloromethane	7.11	83	159926	9.760	ug/L 98
39) cis-1,3-Dichloropropene	7.61	75	198520	9.940	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	953209	98.126	ug/L 100

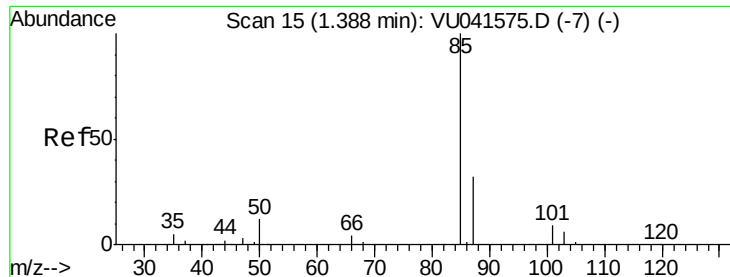
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121220\
 Data File : VU041576.D
 Acq On : 12 Dec 2020 18:37
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Quant Time: Dec 13 09:49:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	532754	9.710	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	178672	9.974	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	96349	9.341	ug/L	98
47) Tetrachloroethene	8.56	164	89760	9.796	ug/L	97
48) 2-Hexanone	8.69	43	710769	99.849	ug/L	100
49) Dibromochloromethane	8.82	129	112259	9.933	ug/L	97
50) 1,2-Dibromoethane	8.93	107	93227	9.506	ug/L	99
51) Chlorobenzene	9.45	112	322886	9.631	ug/L	99
52) Ethylbenzene	9.57	91	578216	9.821	ug/L	99
53) m,p-Xylene	9.69	106	219577	9.576	ug/L	98
54) o-Xylene	10.10	106	215357	9.930	ug/L	98
55) Styrene	10.11	104	379208	10.035	ug/L	100
56) Isopropylbenzene	10.48	105	570965	10.065	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	134878	10.015	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	95598	9.660	ug/L	99
61) Bromoform	10.29	173	69678	10.380	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	259782	9.870	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	259538	9.677	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	250251	9.881	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	24030	9.730	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	198840	9.870	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	172889	9.311	ug/L	99
69) Naphthalene	14.07	128	373740	10.156	ug/L	99
70) 1,2,3-Trichlorobenzene	14.31	180	174052	10.053	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.727 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

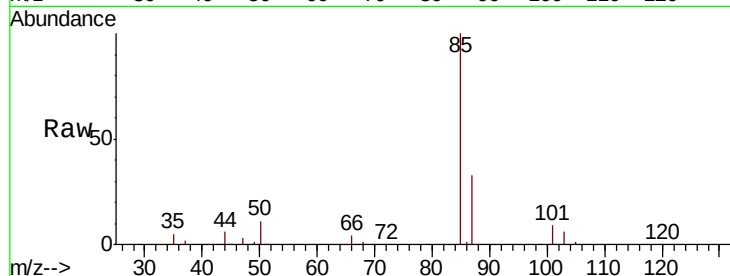
VSTD01004

Tot Ion: 85 Resp: 141126

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041575.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041575.D (-7) (-)

1.39

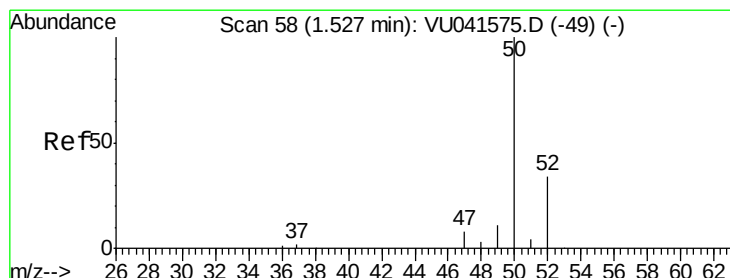
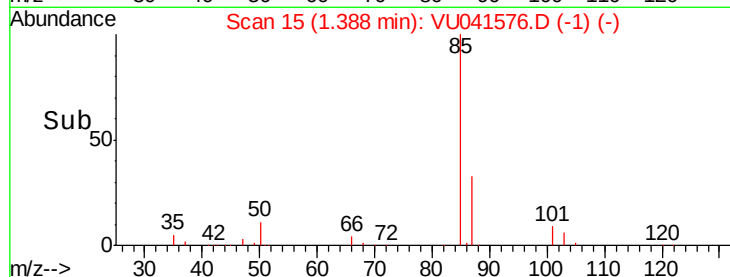
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 9.440 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041576.D

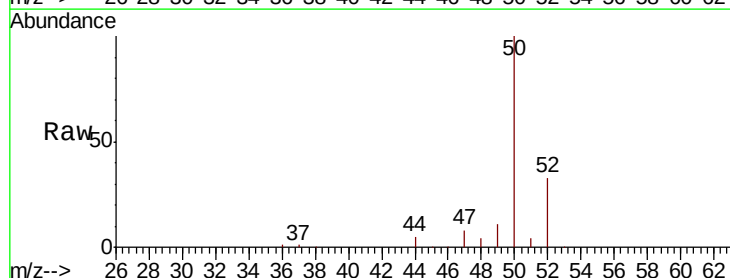
Acq: 12 Dec 2020 18:37

Tgt Ion: 50 Resp: 135587

Ion Ratio Lower Upper

50 100

52 32.8 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041575.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041575.D (-49) (-)

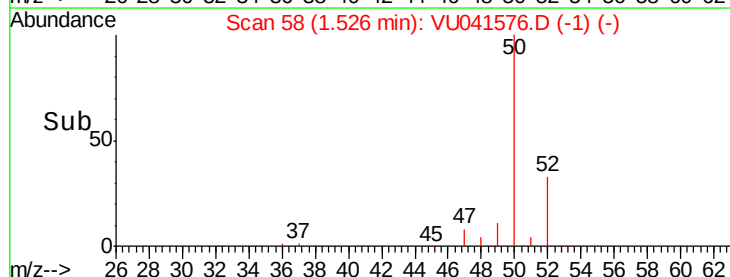
1.53

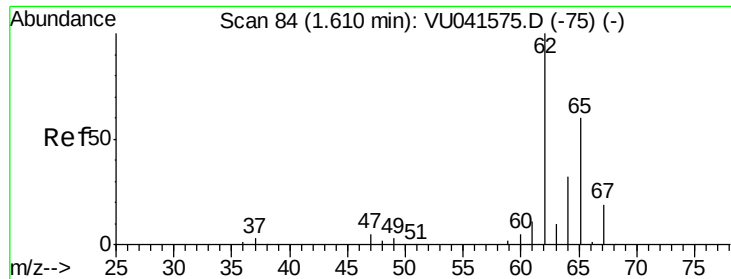
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.549 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

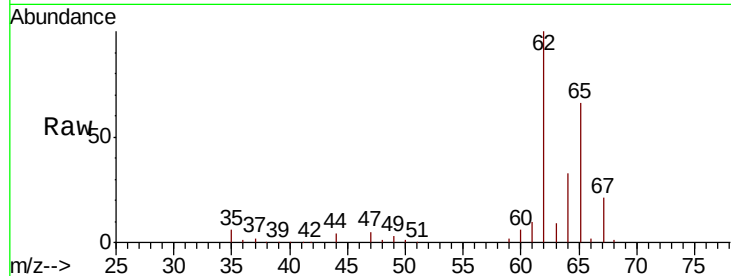
VSTD01004

Tot Ion: 62 Resp: 146676

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

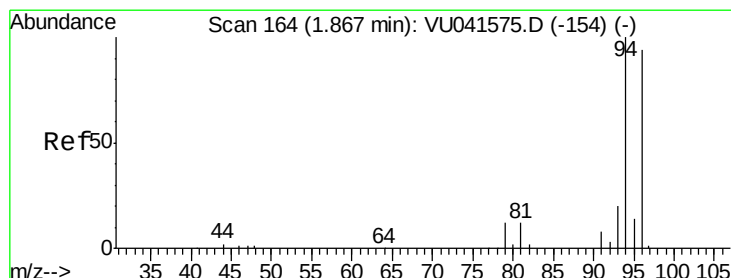
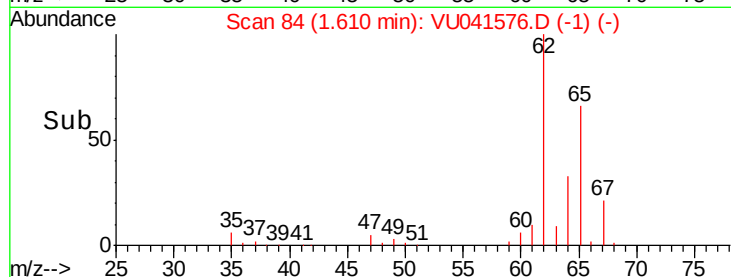
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 9.476 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041576.D

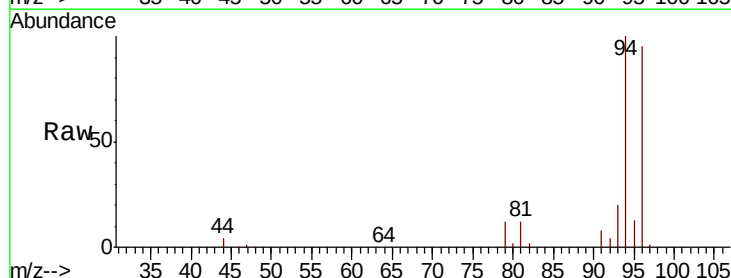
Acq: 12 Dec 2020 18:37

Tgt Ion: 94 Resp: 91765

Ion Ratio Lower Upper

94 100

96 95.3 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

80000

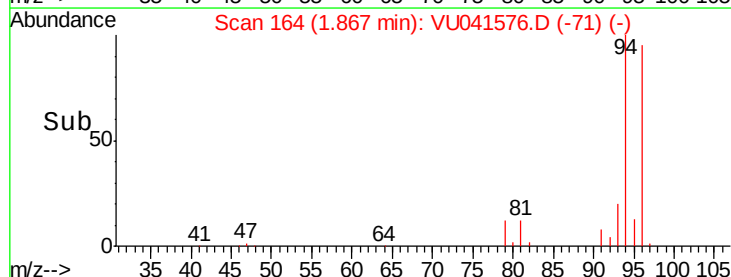
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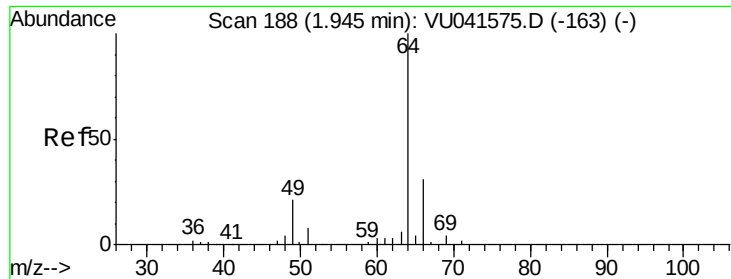
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 8.887 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

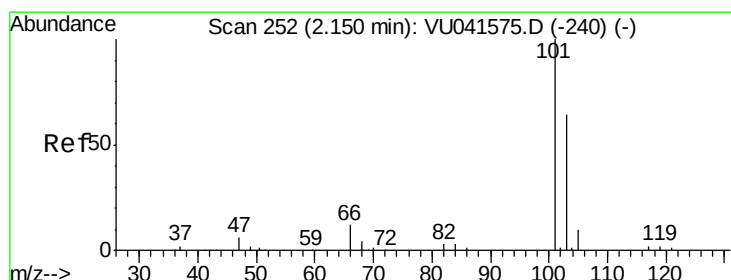
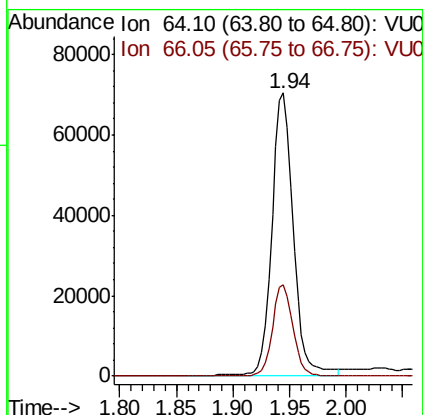
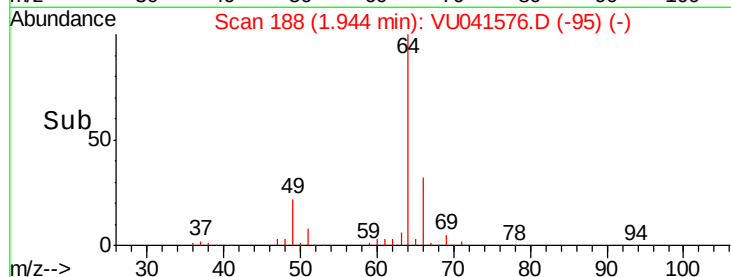
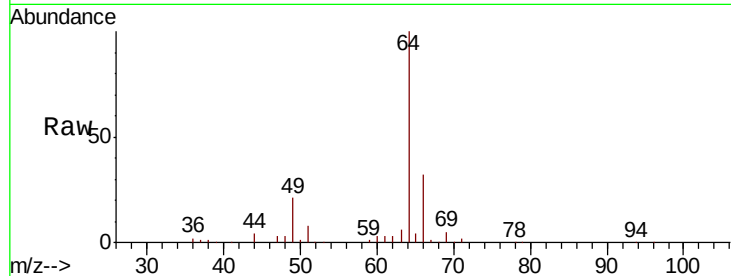
VSTD01004

Tot Ion: 64 Resp: 91865

Ion Ratio Lower Upper

64 100

66 32.2 21.6 40.0



#9

Trichlorofluoromethane

Concen: 9.535 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041576.D

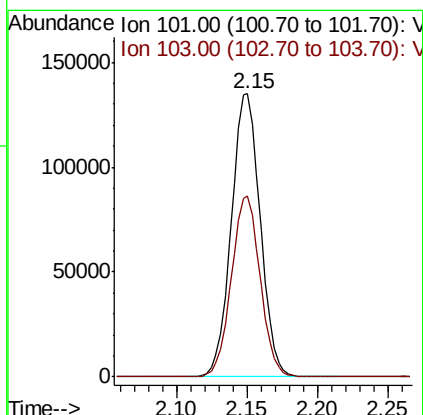
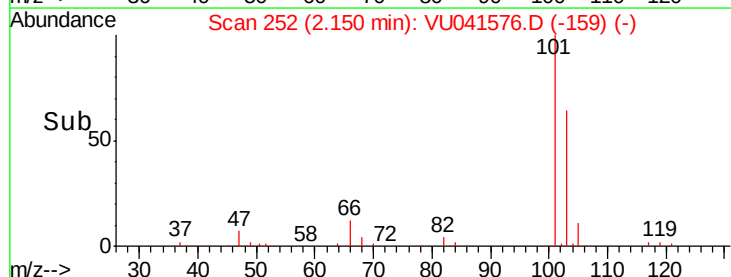
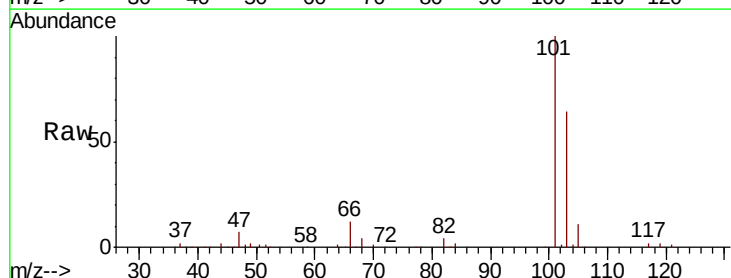
Acq: 12 Dec 2020 18:37

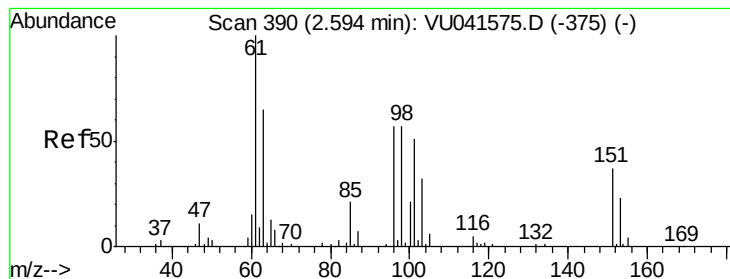
Tgt Ion: 101 Resp: 193899

Ion Ratio Lower Upper

101 100

103 63.8 51.1 76.7





#10

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

Concen: 9.743 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

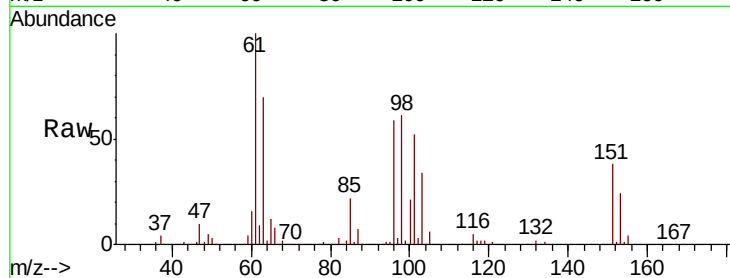
Tot Ion:101 Resp: 114915

Ion Ratio Lower Upper

101 100

85 42.4 33.6 50.4

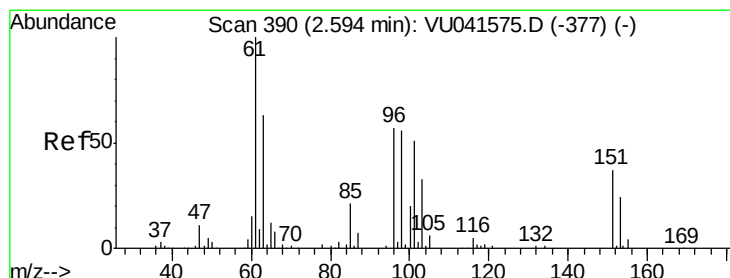
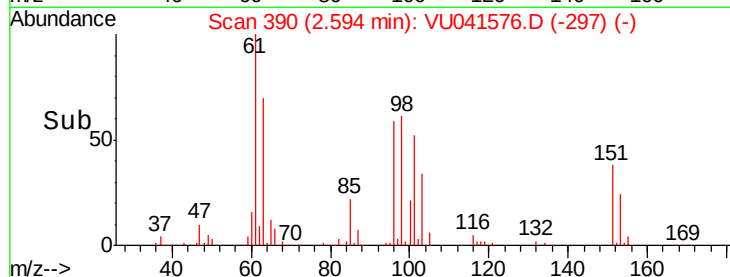
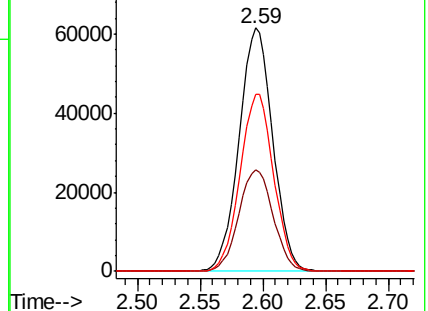
151 72.5 56.2 84.4



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: 9.689 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

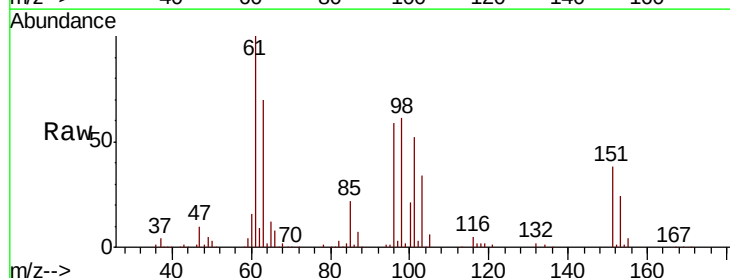
Tgt Ion: 96 Resp: 112065

Ion Ratio Lower Upper

96 100

61 169.9 123.8 230.0

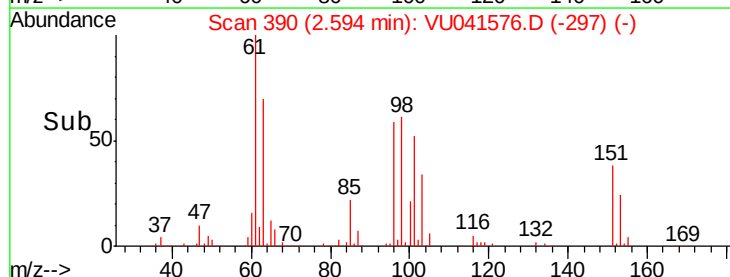
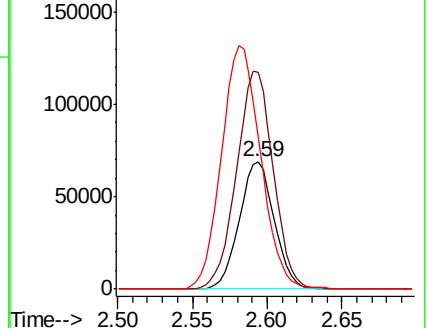
63 119.1 81.0 150.4

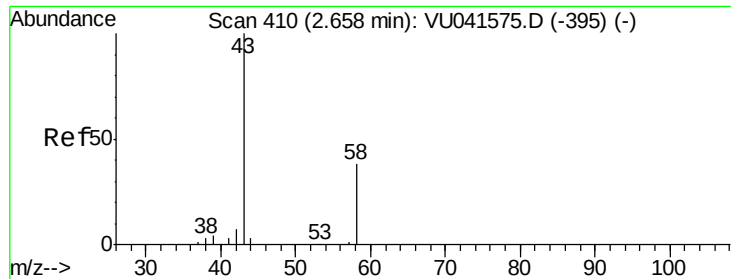


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.418 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

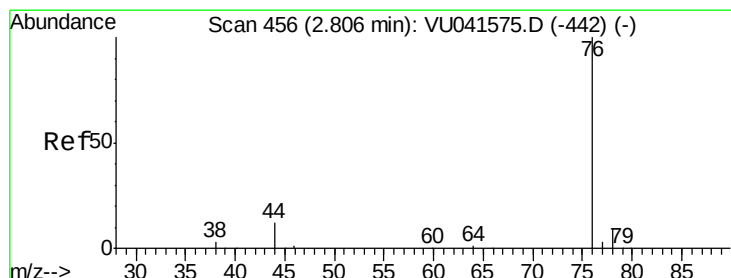
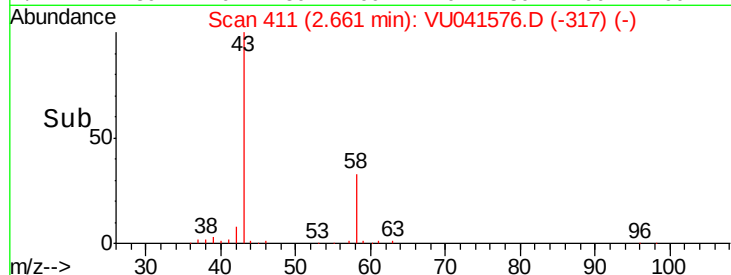
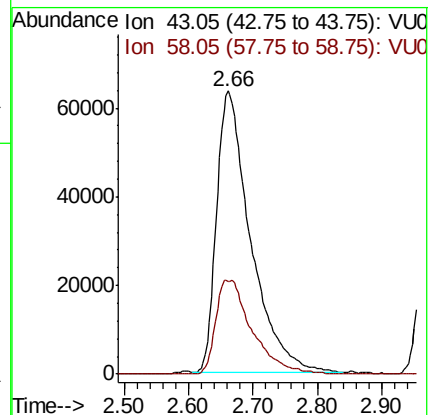
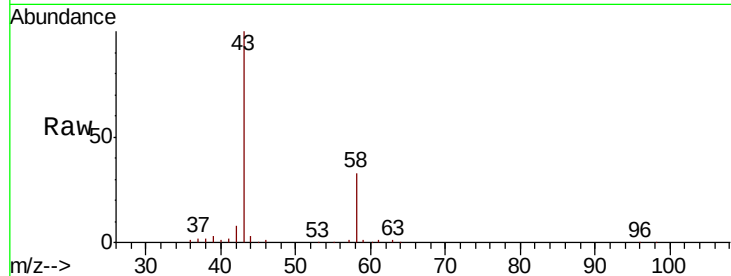
VSTD01004

Tot Ion: 43 Resp: 234014

Ion Ratio Lower Upper

43 100

58 35.6 0.0 73.2



#14

Carbon disulfide

Concen: 9.613 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041576.D

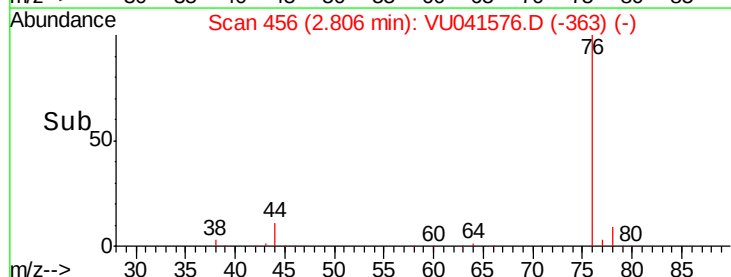
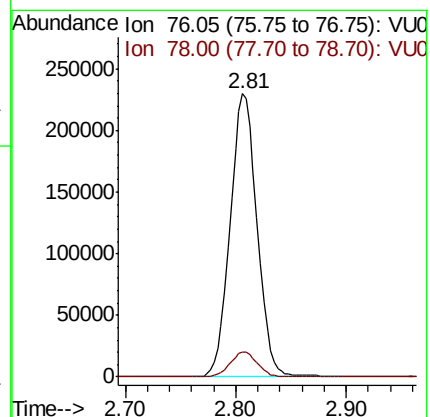
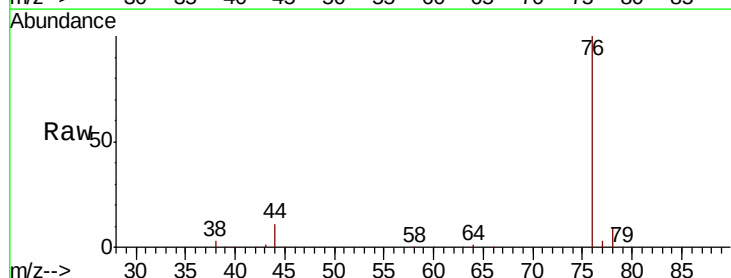
Acq: 12 Dec 2020 18:37

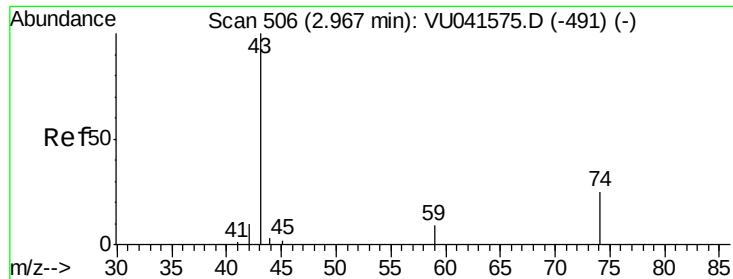
Tgt Ion: 76 Resp: 388634

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

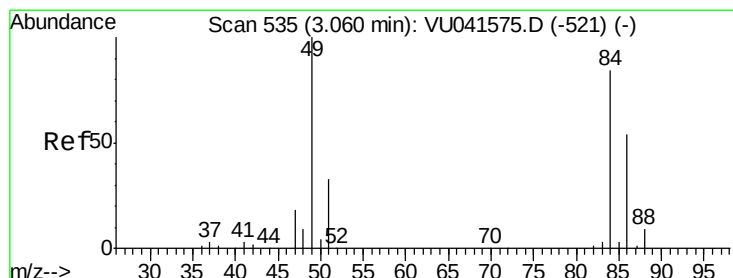
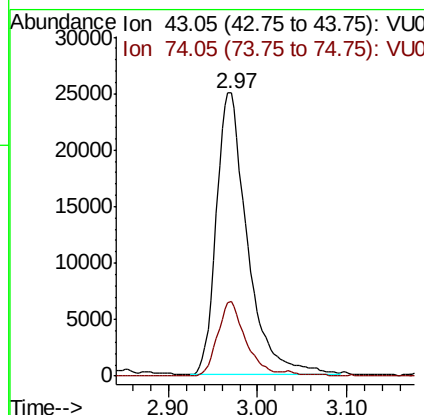
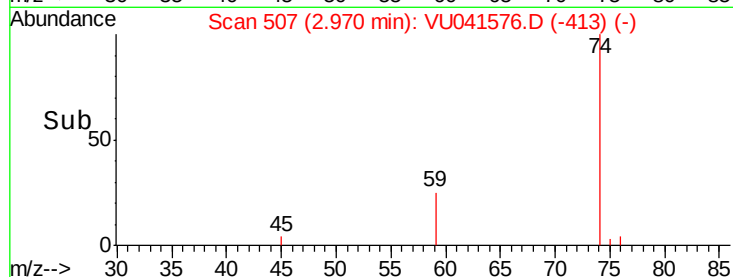
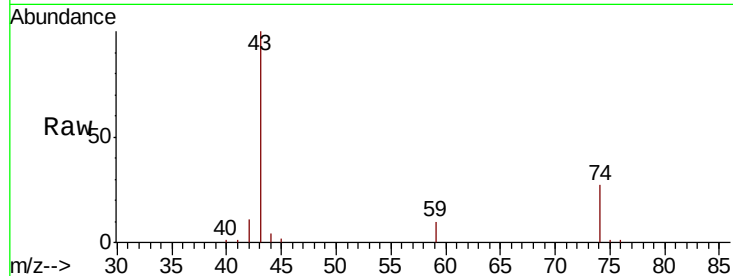




#15
Methyl Acetate
Concen: 9.247 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

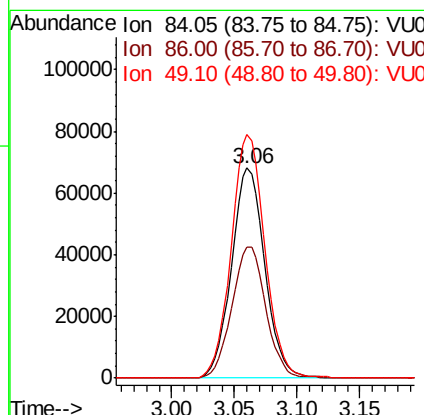
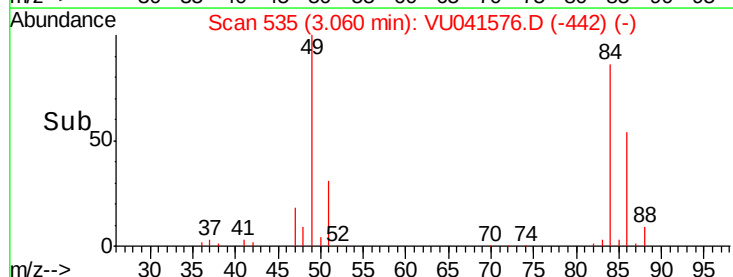
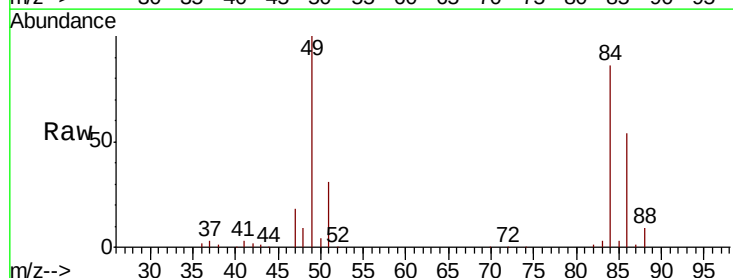
Instrument :
MSVOA_U
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VSTD01004

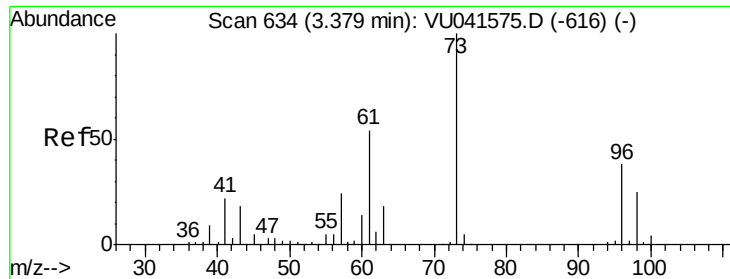
Tot Ion: 43 Resp: 60137
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 9.521 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Tgt Ion: 84 Resp: 125951
Ion Ratio Lower Upper
84 100
86 62.5 45.1 83.7
49 115.8 83.1 154.3

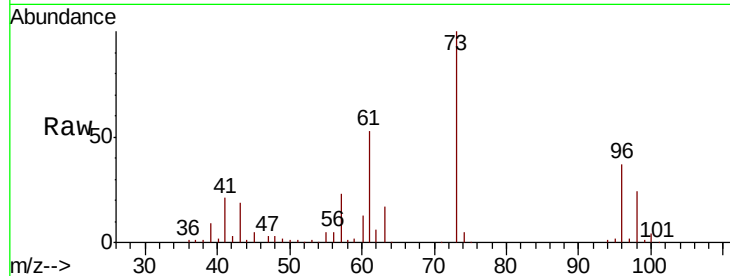




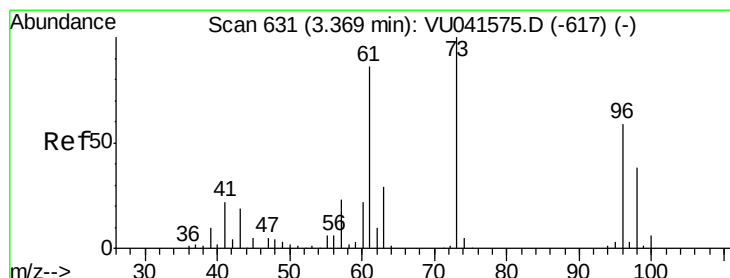
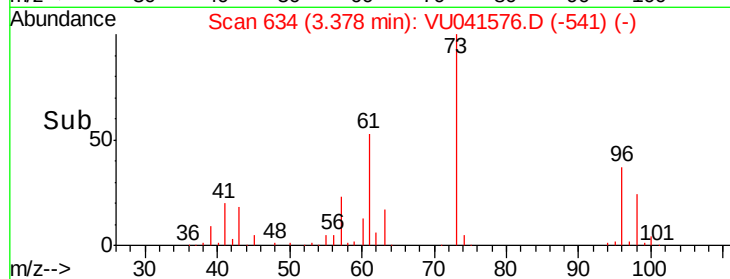
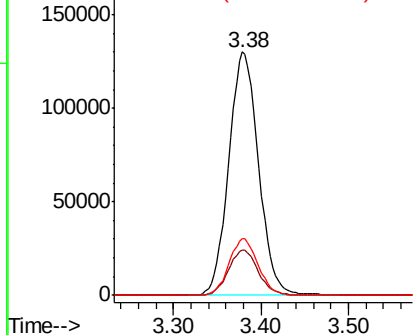
#17
Methyl tert-butyl Ether
Concen: 9.763 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 73 Resp: 307627
Ion Ratio Lower Upper
73 100
43 18.7 14.7 22.1
57 22.4 18.2 27.4

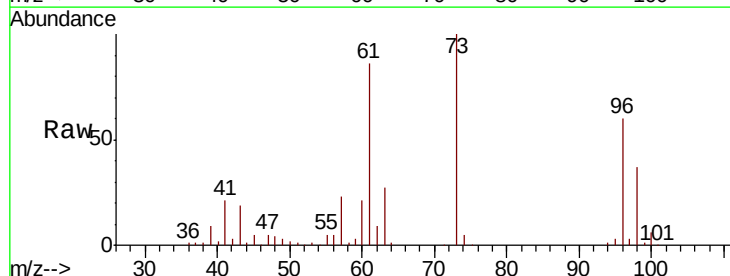


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

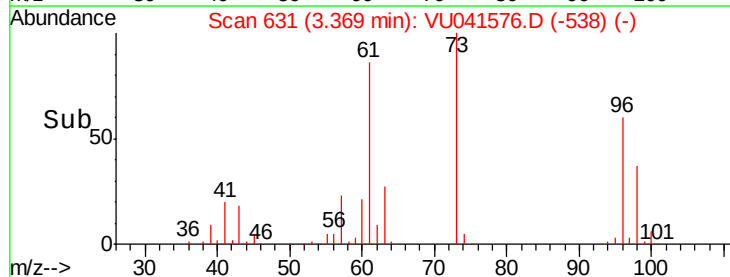
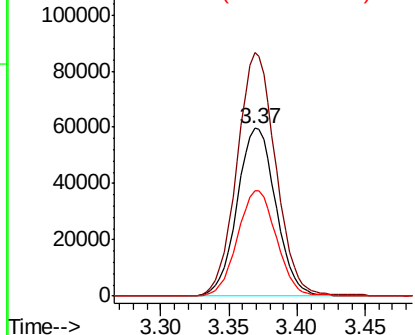


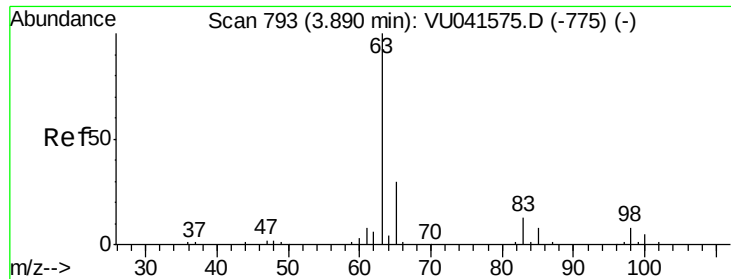
#18
trans-1,2-Dichloroethene
Concen: 9.541 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Tgt Ion: 96 Resp: 117741
Ion Ratio Lower Upper
96 100
61 145.0 101.8 189.0
98 62.5 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

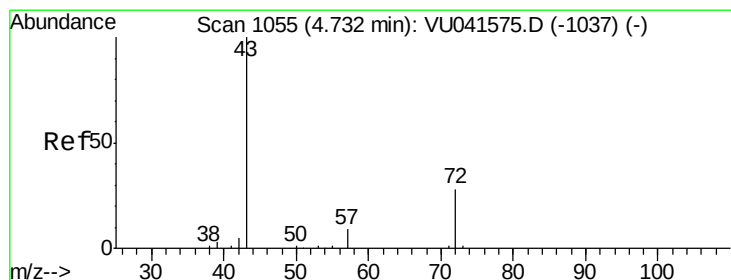
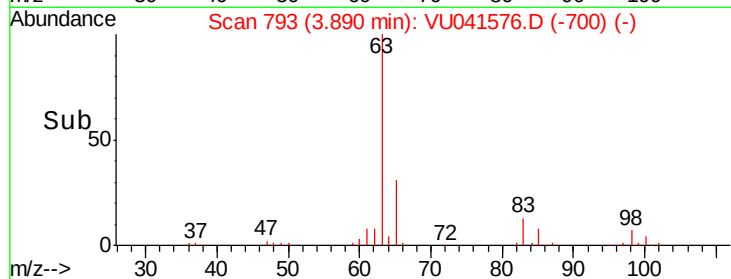
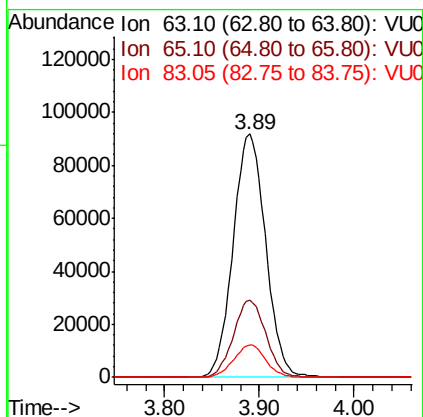
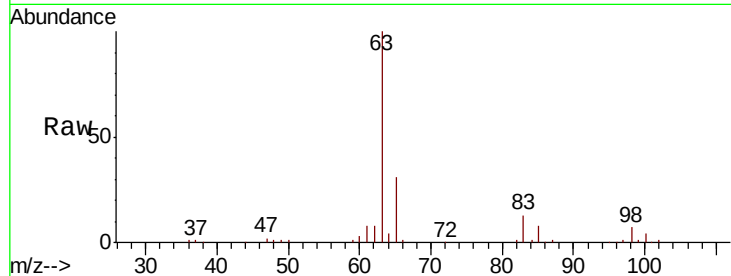




#19
 1,1-Dichloroethane
 Concen: 9.778 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

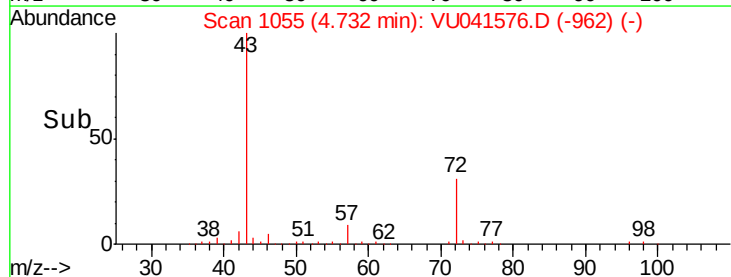
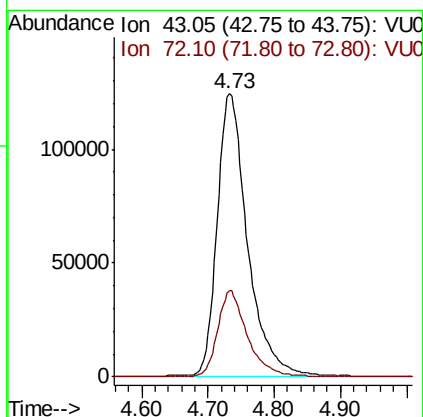
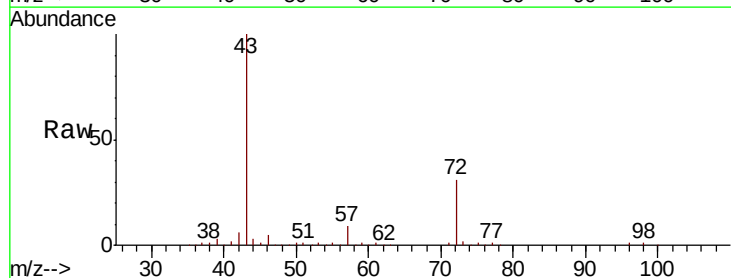
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

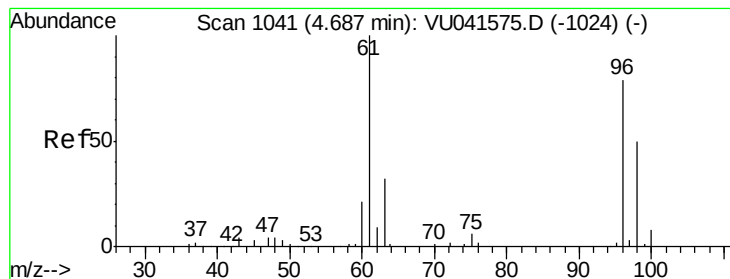
Tot Ion: 63 Resp: 219361
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.3 39.6
 83 13.4 9.3 17.3



#21
 2-Butanone
 Concen: 95.090 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Tgt Ion: 43 Resp: 390310
 Ion Ratio Lower Upper
 43 100
 72 30.4 14.6 44.0





#22

cis-1,2-Dichloroethene

Concen: 9.675 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

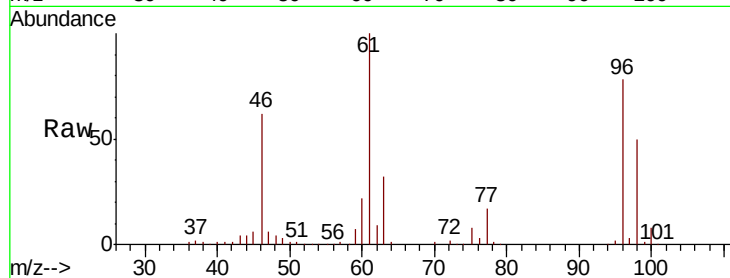
Tot Ion: 96 Resp: 129187

Ion Ratio Lower Upper

96 100

61 127.7 88.8 165.0

68 0.0 0.0 0.0

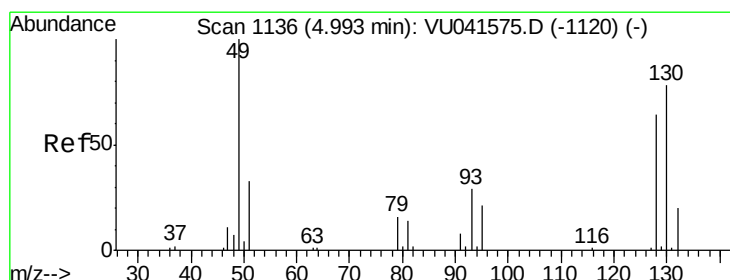
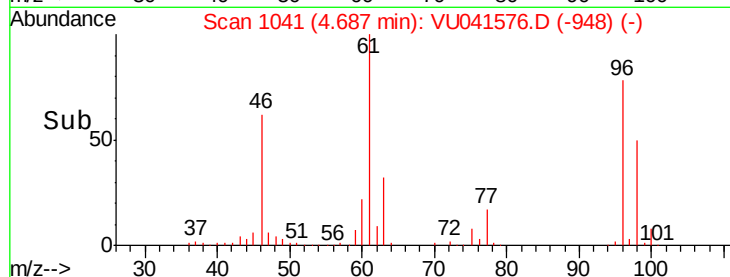
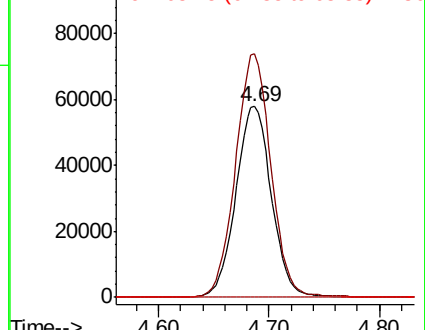


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 9.902 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Tgt Ion: 128 Resp: 61720

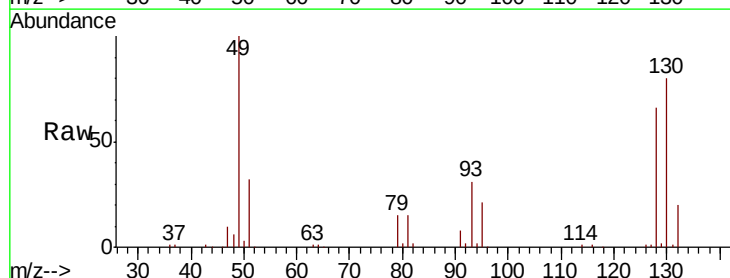
Ion Ratio Lower Upper

128 100

49 151.6 109.3 203.1

130 121.8 84.8 157.6

51 48.2 40.6 61.0



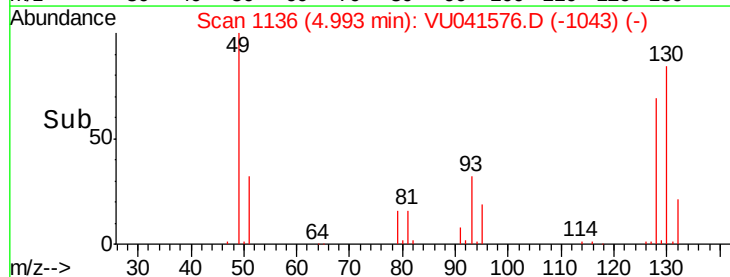
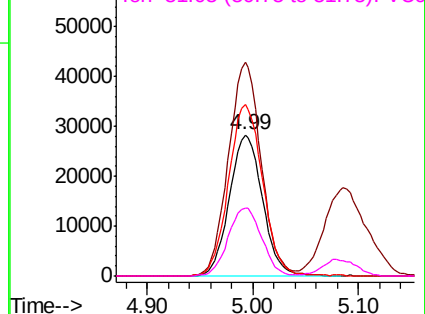
Abundance

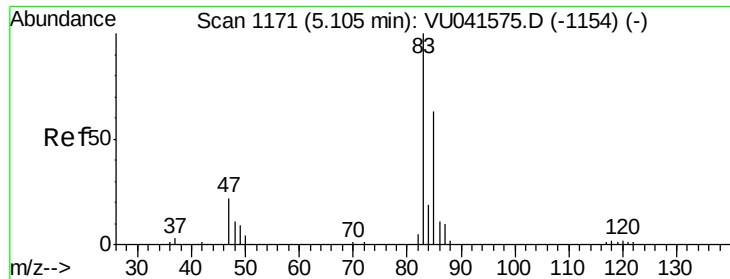
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

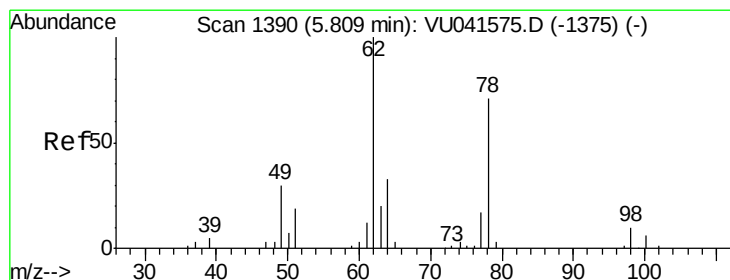
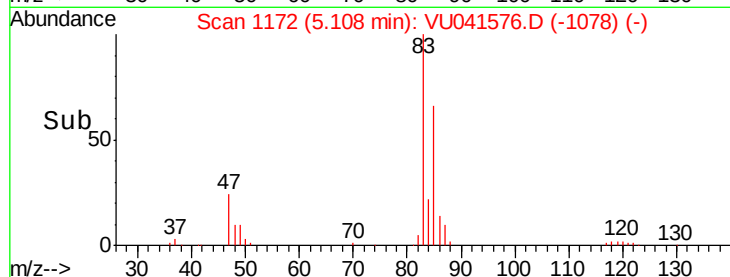
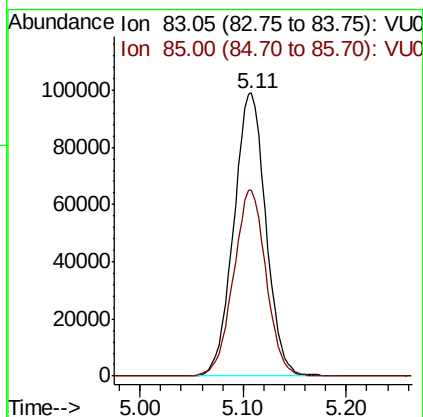
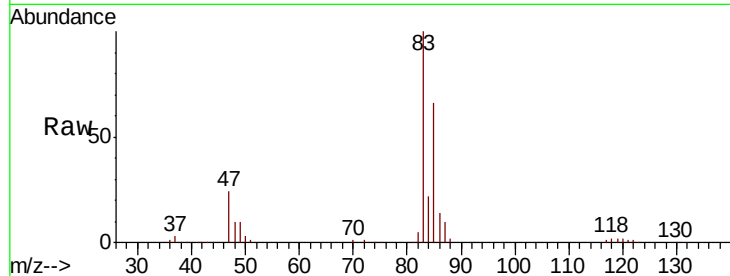




#25
Chloroform
Concen: 9.271 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

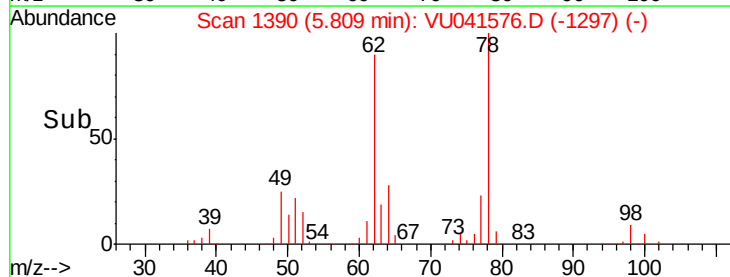
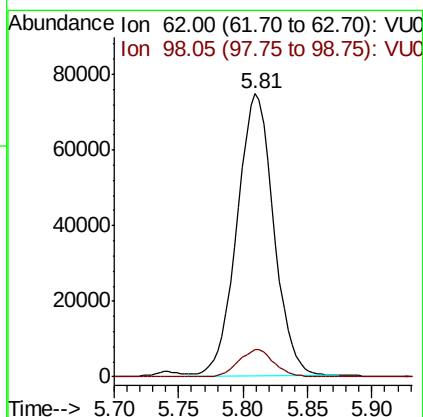
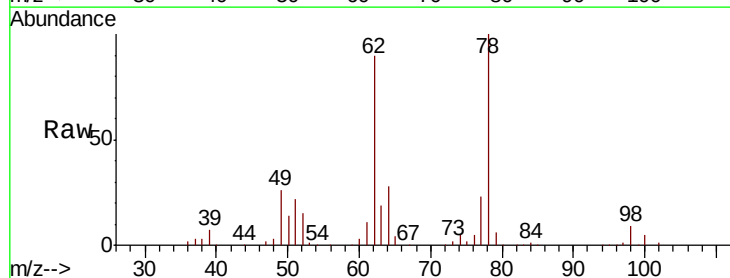
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

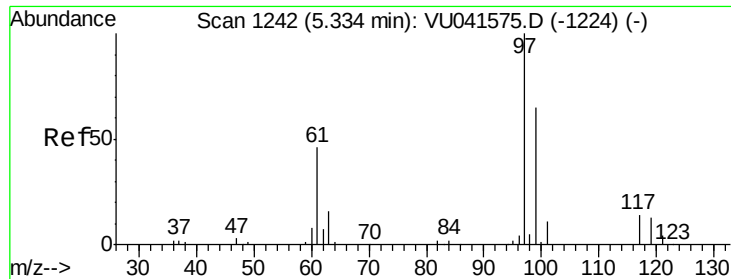
Tot Ion: 83 Resp: 214472
Ion Ratio Lower Upper
83 100
85 65.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 9.538 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Tgt Ion: 62 Resp: 148344
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.2

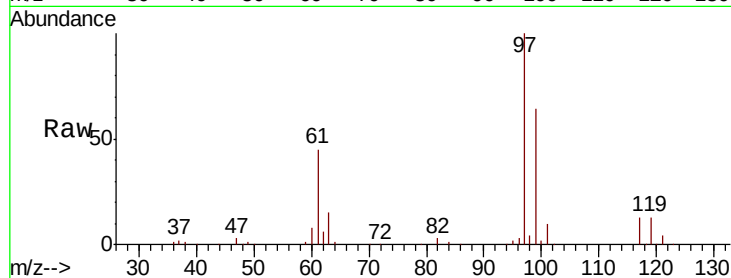




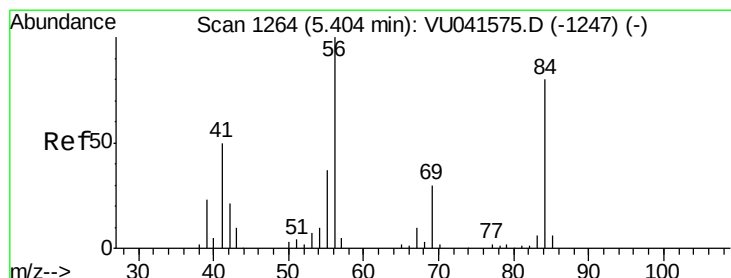
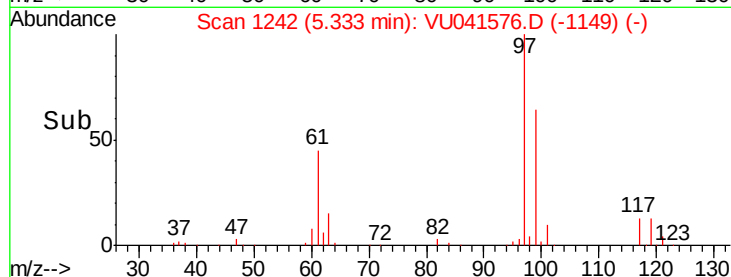
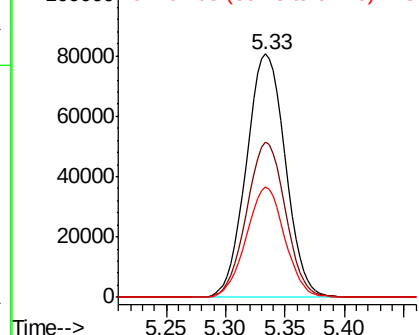
#29
 1,1,1-Trichloroethane
 Concen: 9.889 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD01004

Tot Ion: 97 Resp: 183426
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.3 76.9
 61 44.6 36.5 54.7

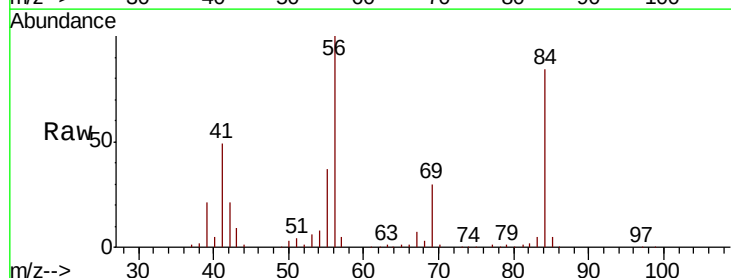


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

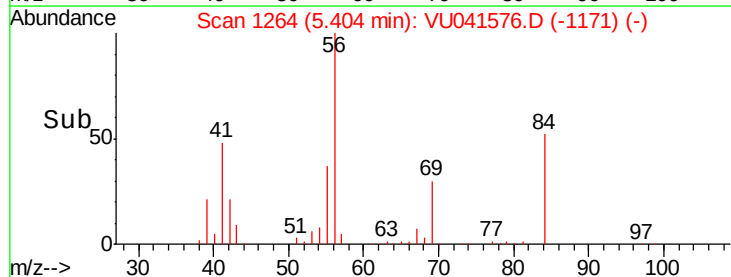
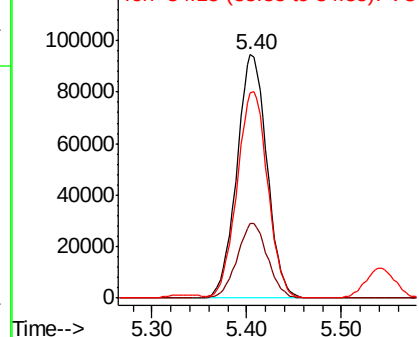


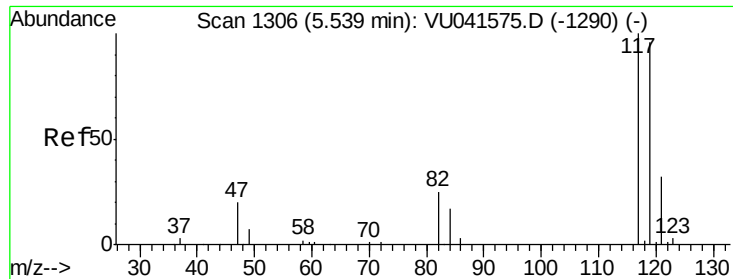
#30
 Cyclohexane
 Concen: 9.935 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Tgt Ion: 56 Resp: 208993
 Ion Ratio Lower Upper
 56 100
 69 30.8 23.8 35.8
 84 86.6 66.2 99.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

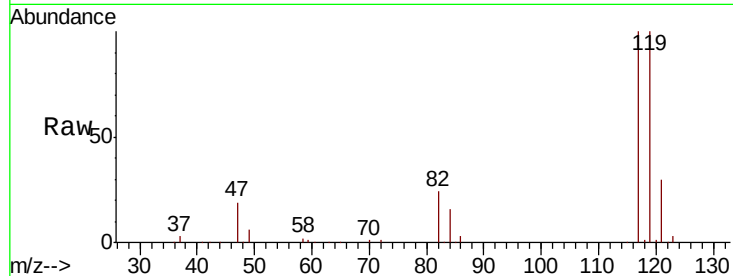




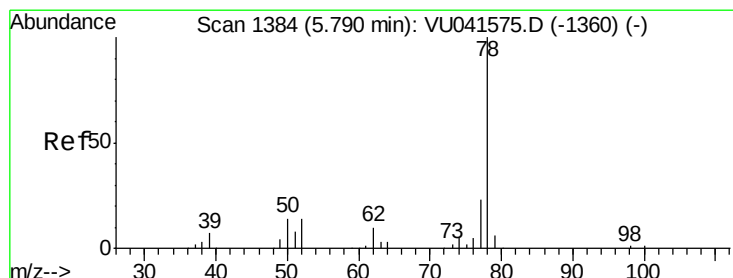
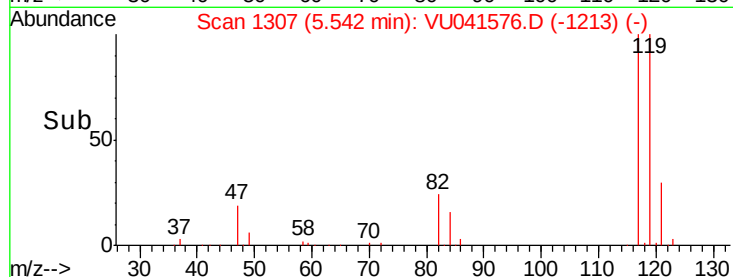
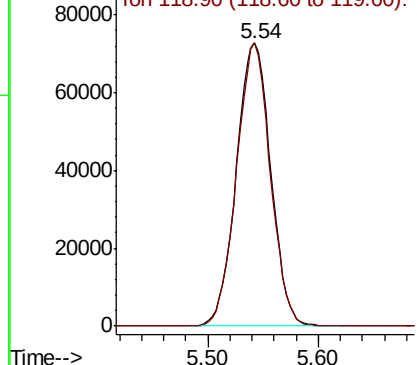
#31
Carbon tetrachloride
Concen: 9.730 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

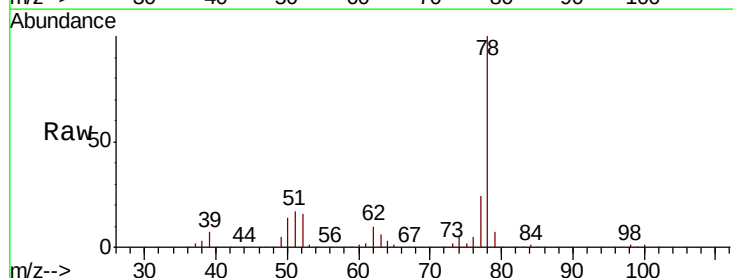
Tot Ion:117 Resp: 157671
Ion Ratio Lower Upper
117 100
119 97.7 76.2 114.2



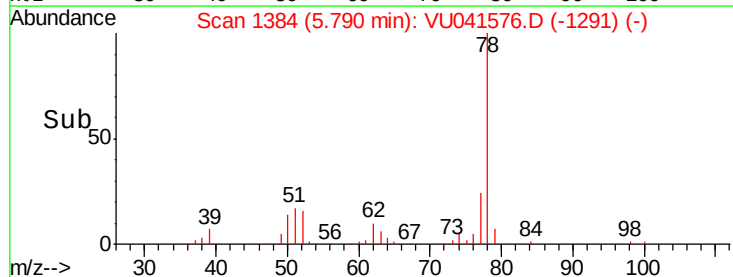
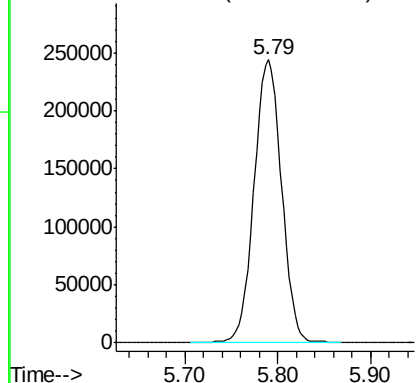
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

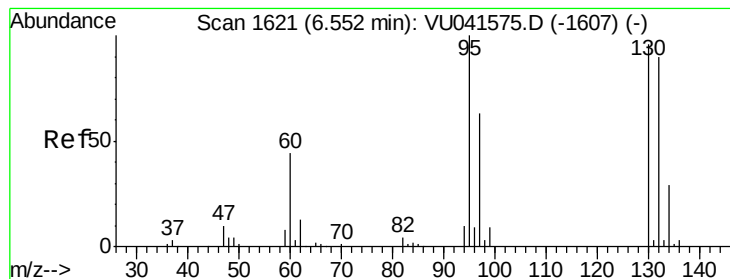


#33
Benzene
Concen: 9.674 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37
Tgt Ion: 78 Resp: 502968



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.746 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

Tot Ion: 95 Resp: 127647

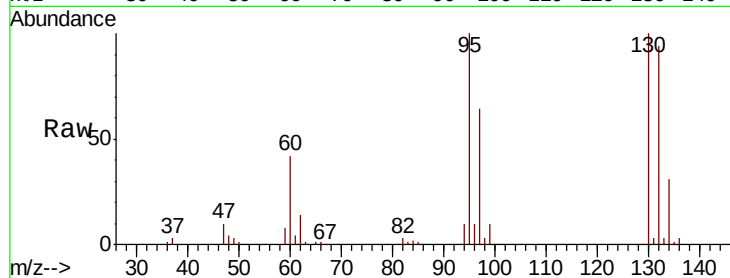
Ion Ratio Lower Upper

95 100

97 64.4 43.9 81.5

132 94.0 63.1 117.3

130 100.1 67.4 125.2

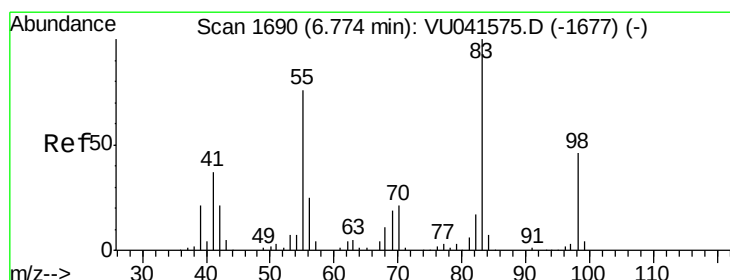
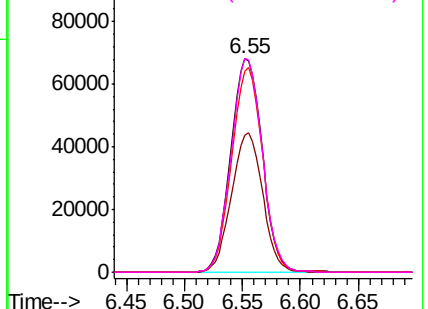
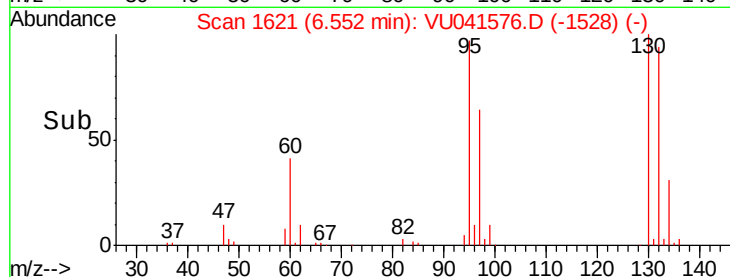


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.213 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

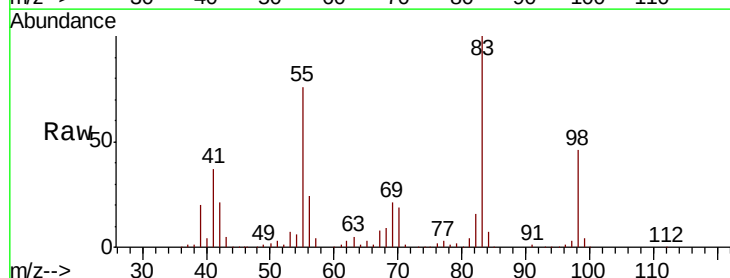
Tgt Ion: 83 Resp: 214602

Ion Ratio Lower Upper

83 100

55 76.2 61.2 91.8

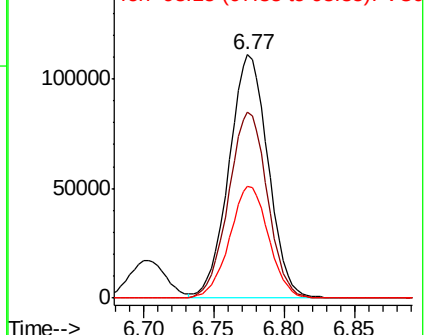
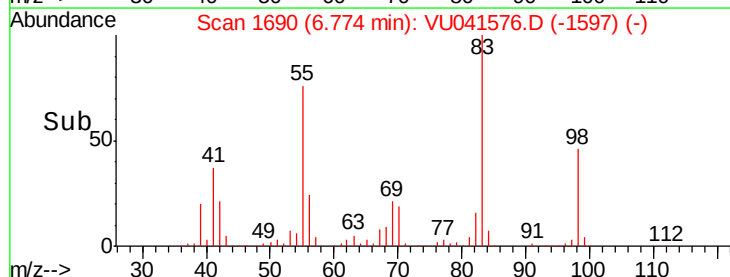
98 46.1 36.6 54.8

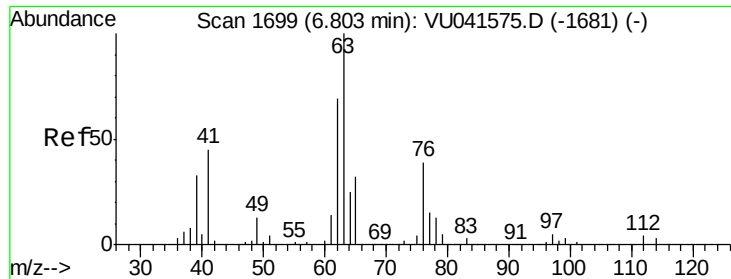


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

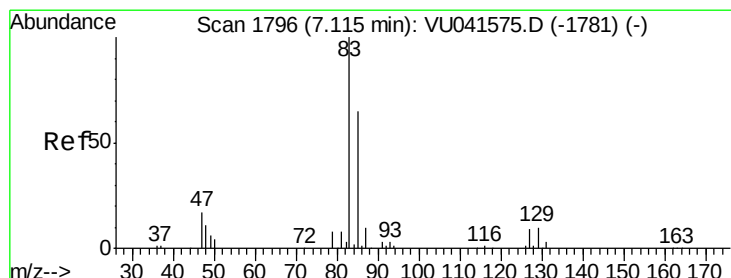
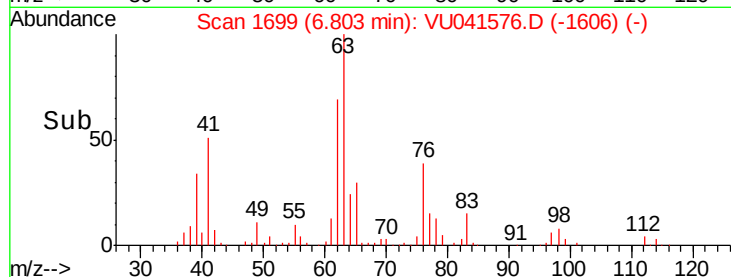
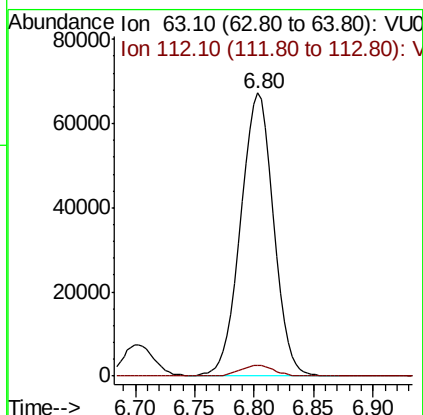
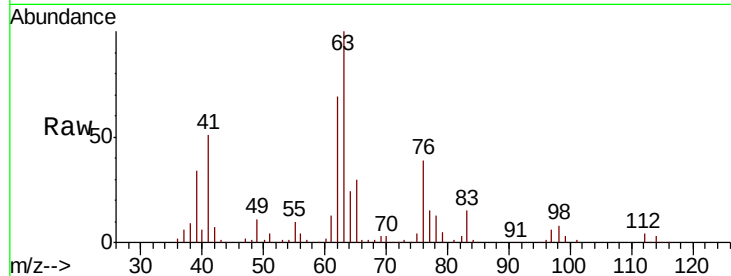




#37
 1,2-Dichloropropane
 Concen: 9.957 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

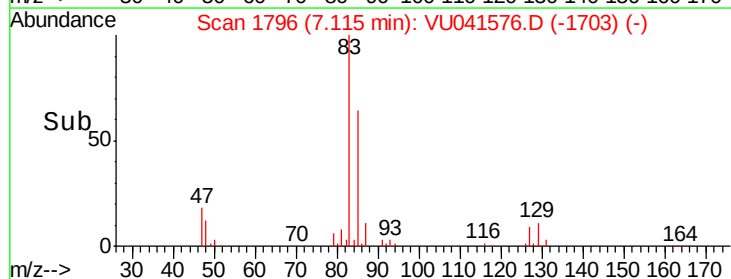
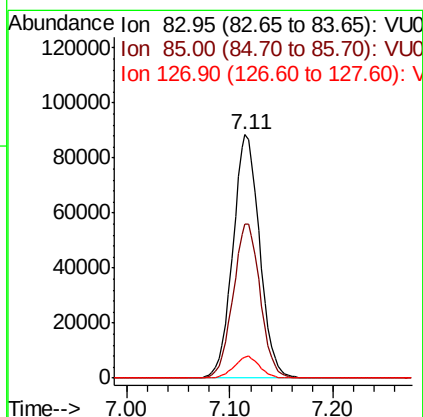
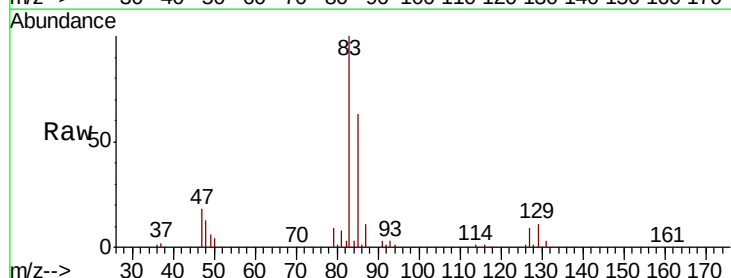
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

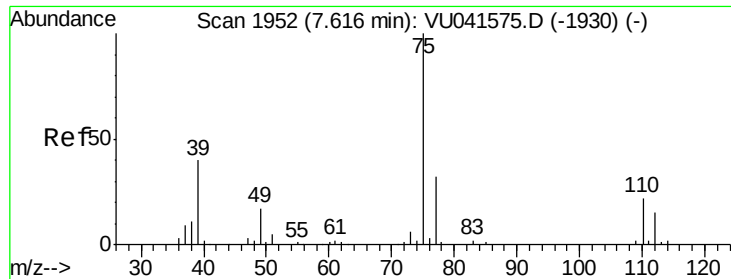
Tot Ion: 63 Resp: 128462
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 9.760 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Tgt Ion: 83 Resp: 159926
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.5 84.5
 127 8.7 7.0 10.6

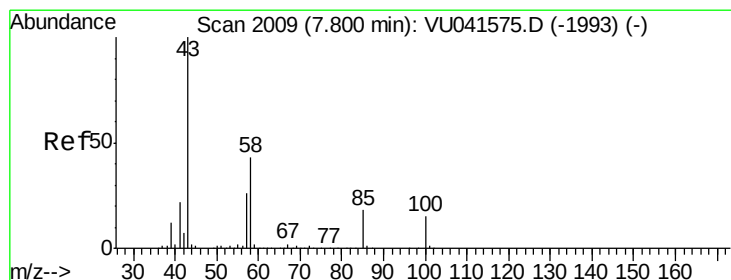
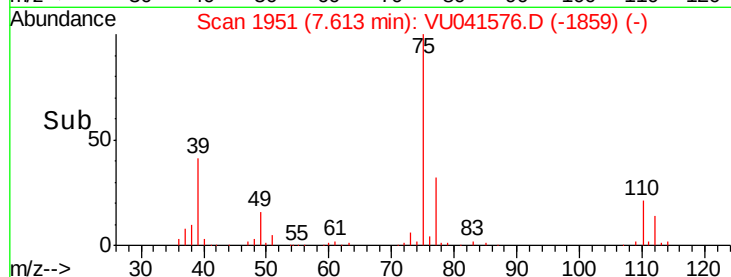
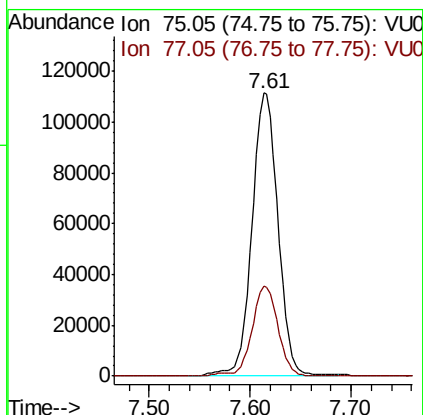
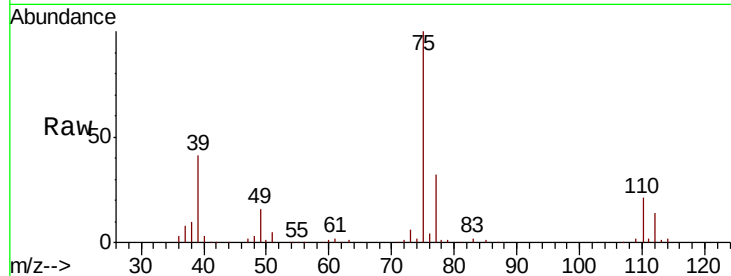




#39
 cis-1,3-Dichloropropene
 Concen: 9.940 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

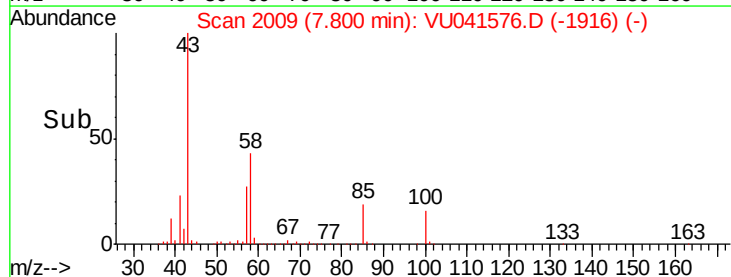
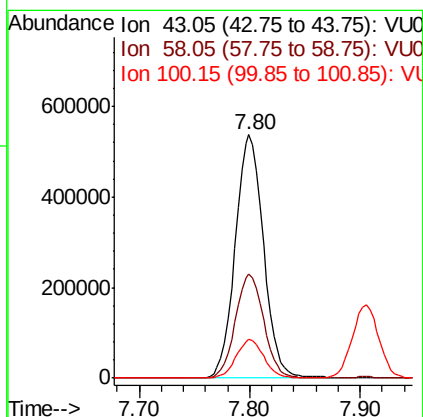
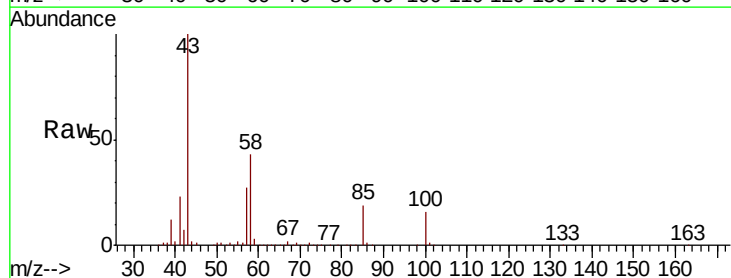
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

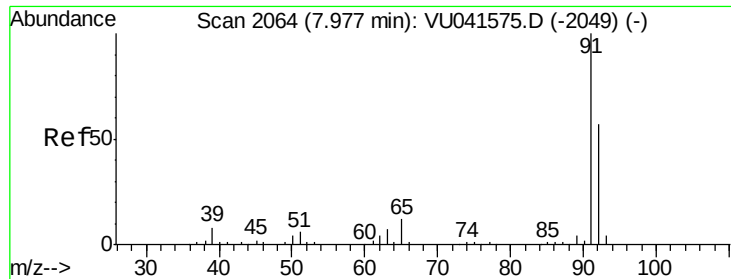
Tot Ion: 75 Resp: 198520
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 98.126 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Tgt Ion: 43 Resp: 953209
 Ion Ratio Lower Upper
 43 100
 58 43.0 34.2 51.2
 100 15.6 12.3 18.5





#42

Toluene

Concen: 9.710 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

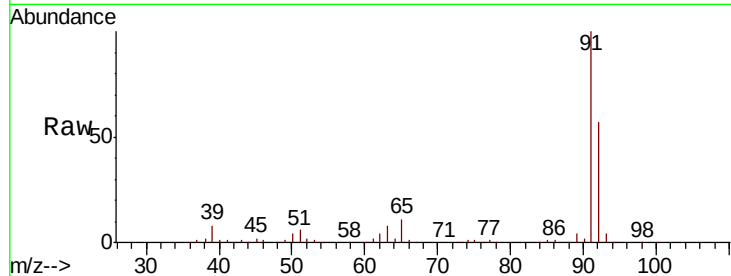
VSTD01004

Tot Ion: 91 Resp: 532754

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041575.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041576.D (-1971) (-)

7.98

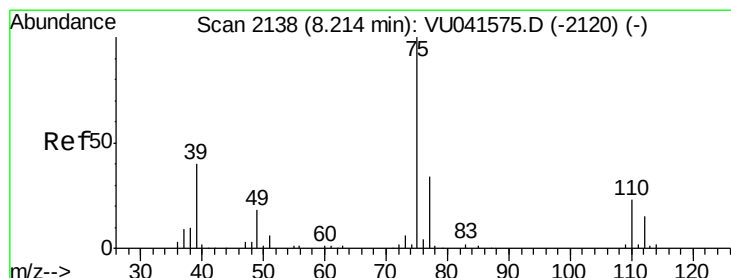
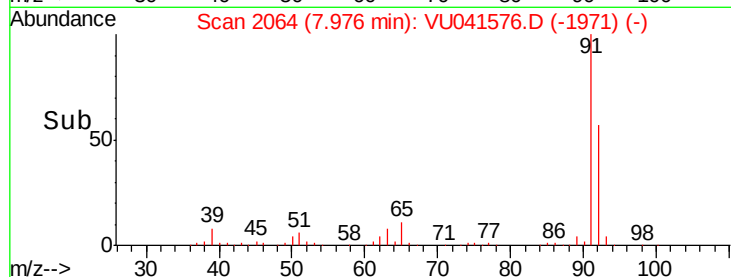
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.974 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041576.D

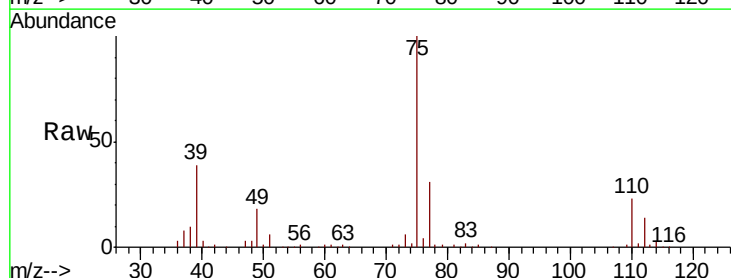
Acq: 12 Dec 2020 18:37

Tgt Ion: 75 Resp: 178672

Ion Ratio Lower Upper

75 100

77 31.2 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041575.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041576.D (-2045) (-)

8.21

120000

100000

80000

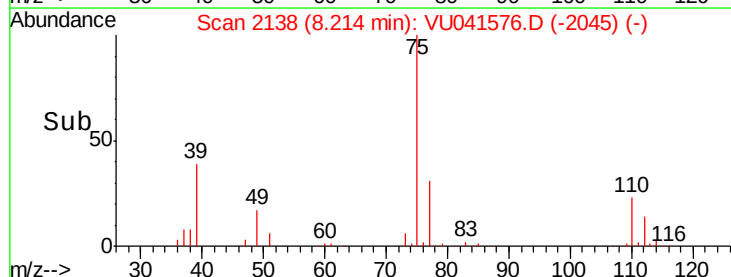
60000

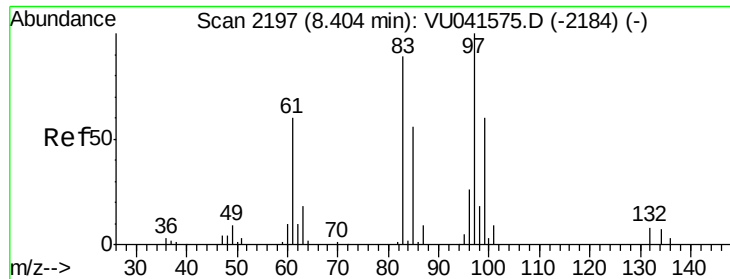
40000

20000

0

Time-->

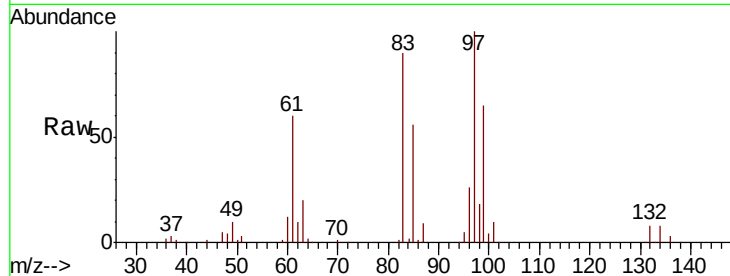




#45
 1,1,2-Trichloroethane
 Concen: 9.341 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion:	97	Resp:	96349
Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.1	78.3
83	89.8	62.6	116.2
85	56.2	39.1	72.7



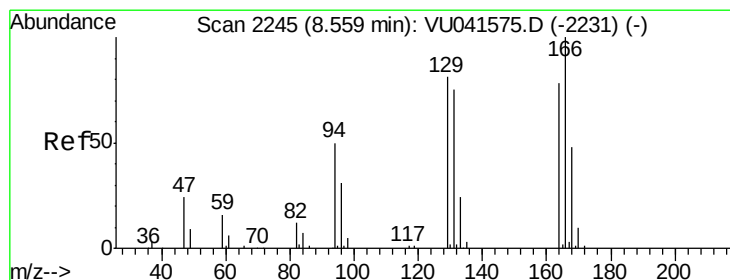
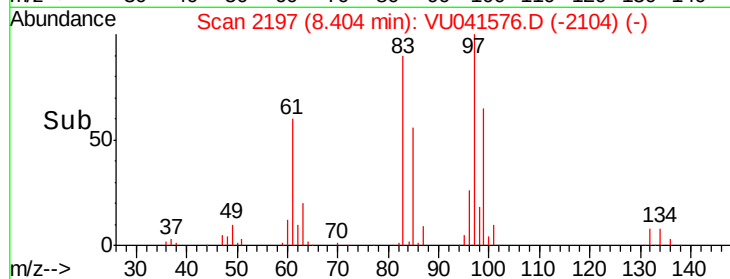
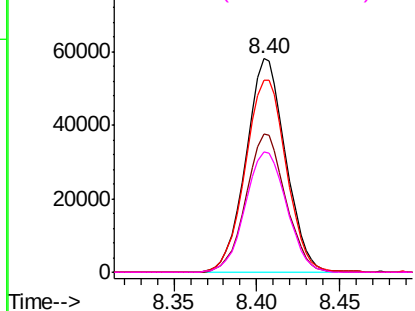
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

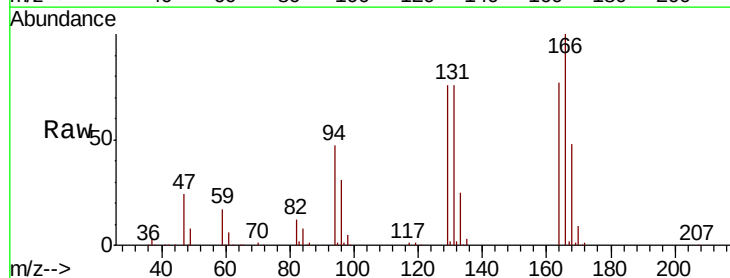
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 9.796 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Tgt Ion:	164	Resp:	89760
Ion	Ratio	Lower	Upper
164	100		
129	99.8	72.2	134.0
131	99.1	66.9	124.3
166	130.6	89.6	166.4



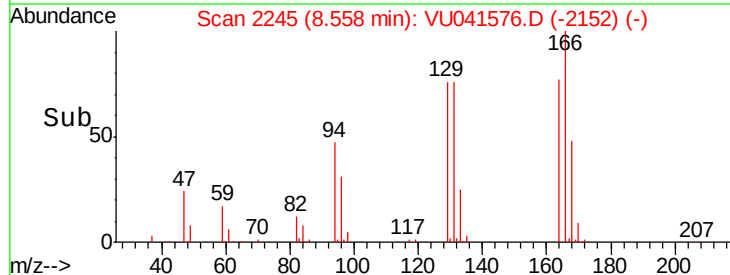
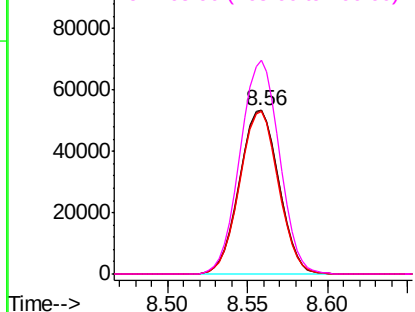
Abundance

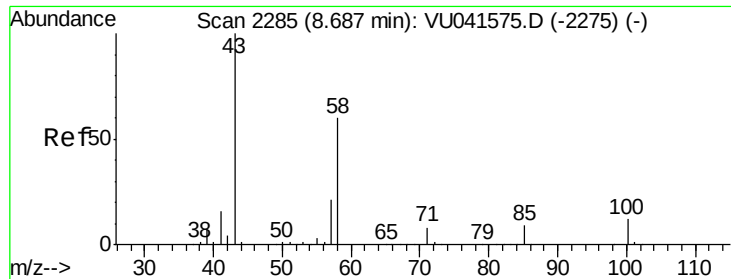
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

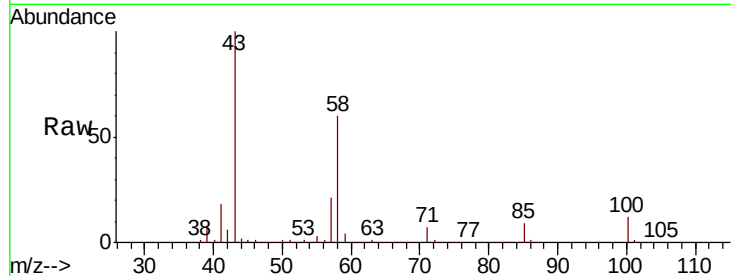




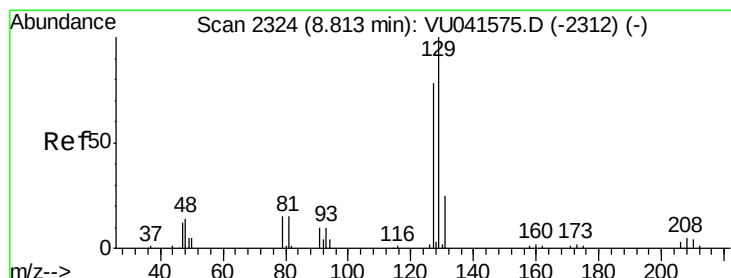
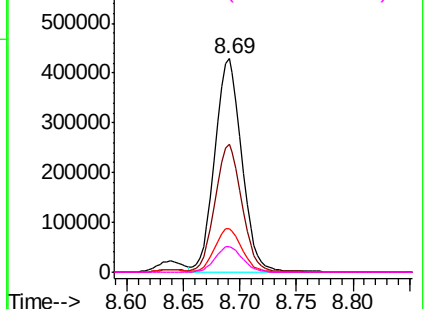
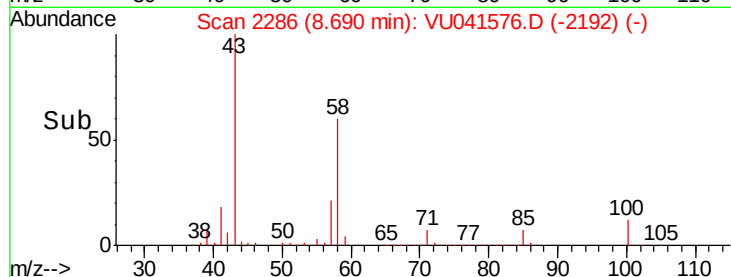
#48
2-Hexanone
Concen: 99.849 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 43 Resp: 710769
Ion Ratio Lower Upper
43 100
58 59.8 47.9 71.9
57 20.5 16.5 24.7
100 12.2 9.4 14.2

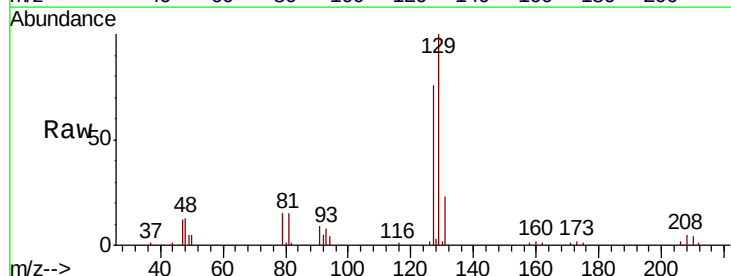


Abundance Ion 43.05 (42.75 to 43.75): VU041576.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041576.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041576.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041576.D (-2192) (-)

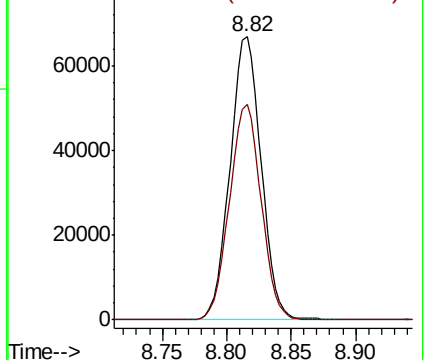
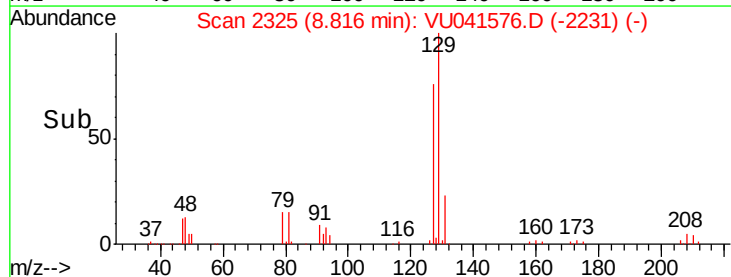


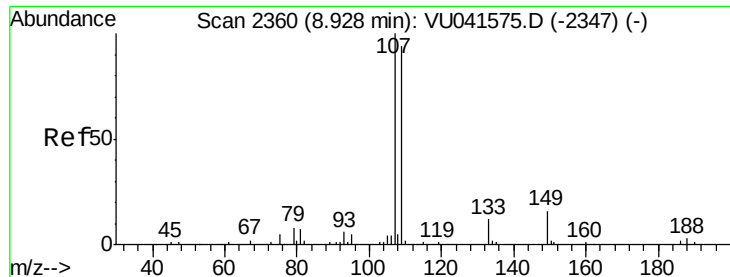
#49
Dibromochloromethane
Concen: 9.933 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Tgt Ion: 129 Resp: 112259
Ion Ratio Lower Upper
129 100
127 76.0 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041576.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041576.D (-2231) (-)

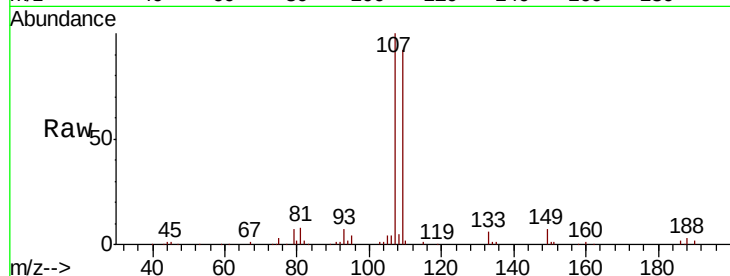




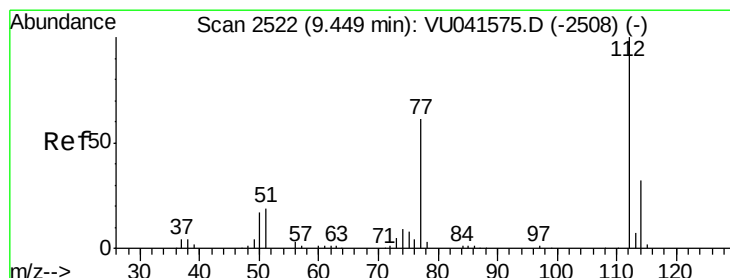
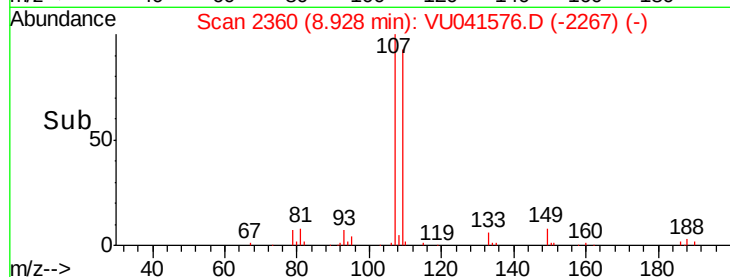
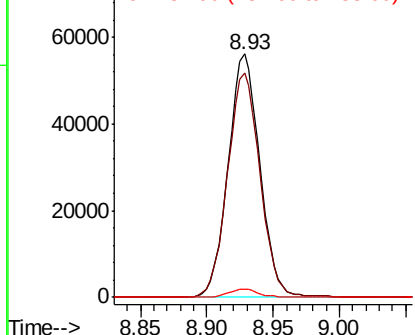
#50
1,2-Dibromoethane
Concen: 9.506 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion:107 Resp: 93227
Ion Ratio Lower Upper
107 100
109 92.4 65.6 121.8
188 3.3 2.6 4.0

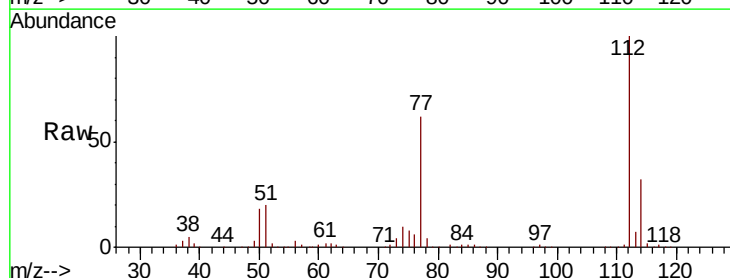


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

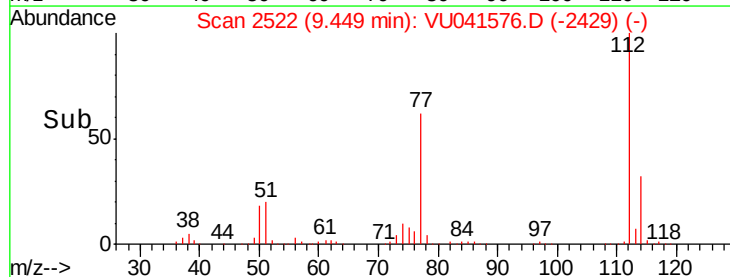
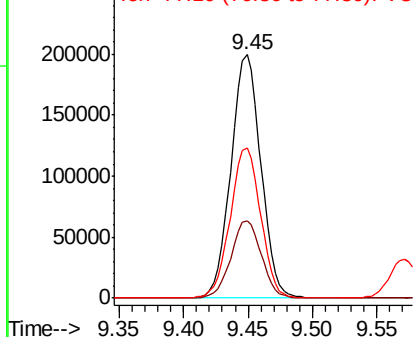


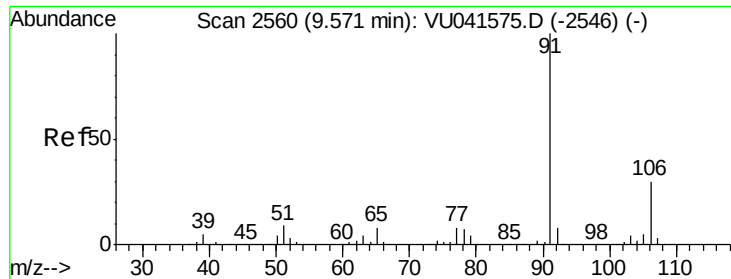
#51
Chlorobenzene
Concen: 9.631 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041576.D
Acq: 12 Dec 2020 18:37

Tgt Ion:112 Resp: 322886
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 61.7 49.1 73.7



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





#52

Ethylbenzene

Concen: 9.821 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

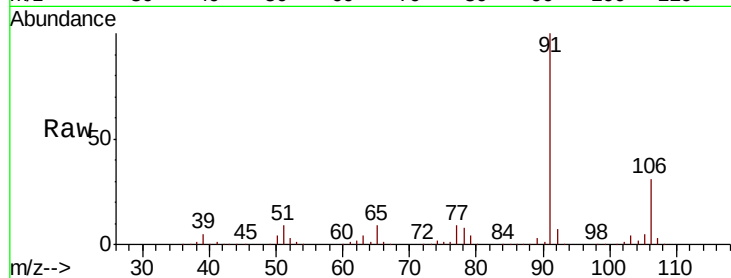
VSTD01004

Tot Ion: 91 Resp: 578216

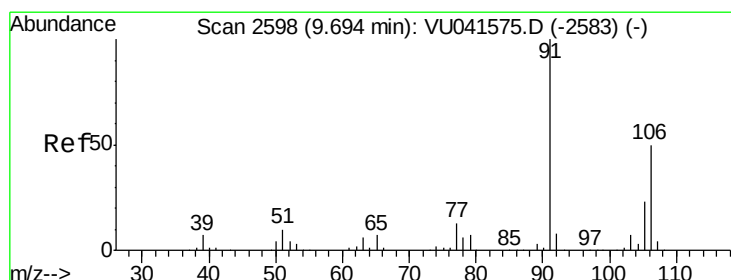
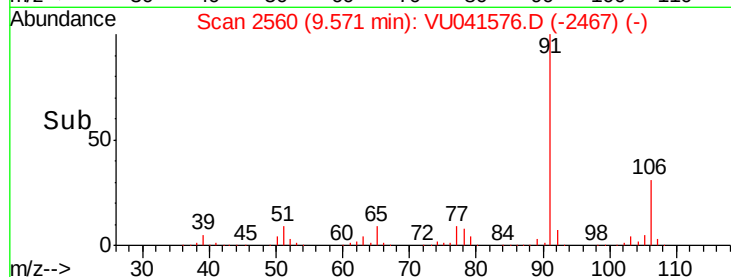
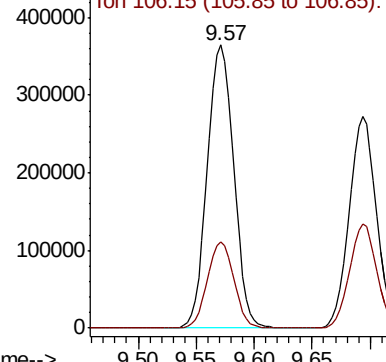
Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041576.D (-2546) (-)



#53

m,p-Xylene

Concen: 9.576 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041576.D

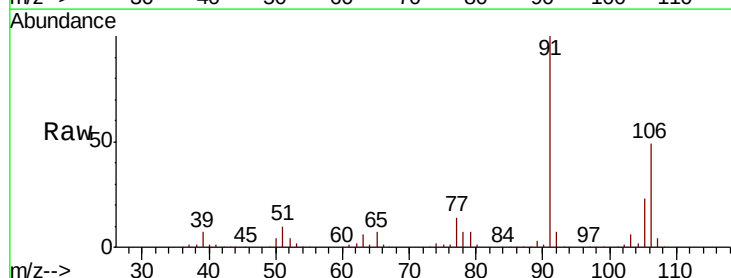
Acq: 12 Dec 2020 18:37

Tgt Ion: 106 Resp: 219577

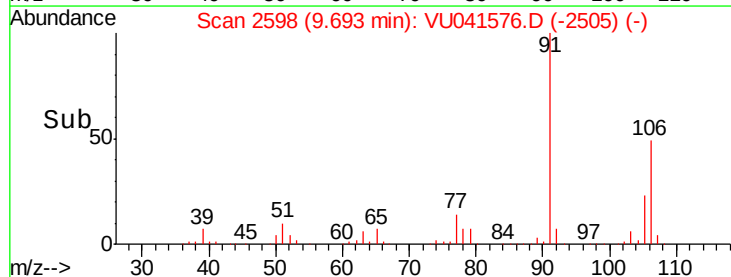
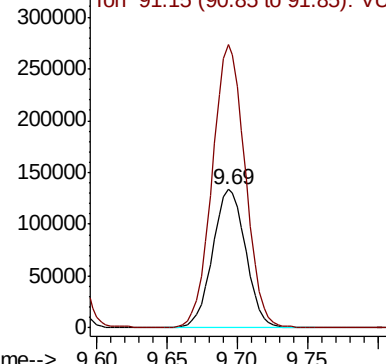
Ion Ratio Lower Upper

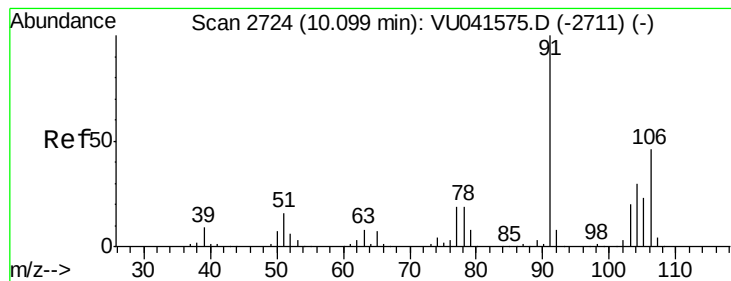
106 100

91 204.2 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041576.D (-2598) (-)





#54

o-Xylene

Concen: 9.930 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

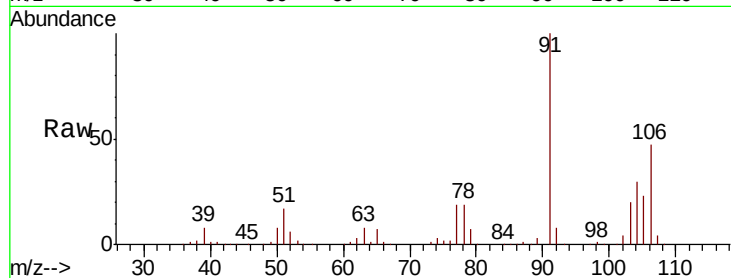
VSTD01004

Tot Ion:106 Resp: 215357

Ion Ratio Lower Upper

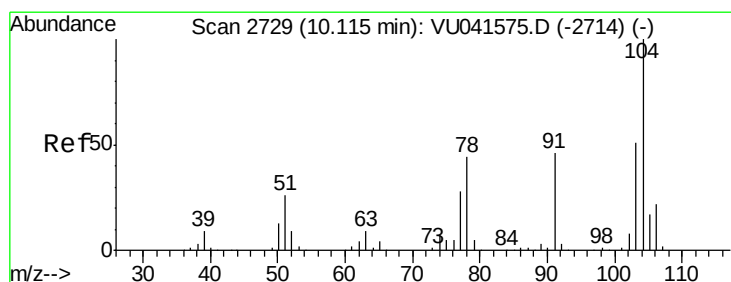
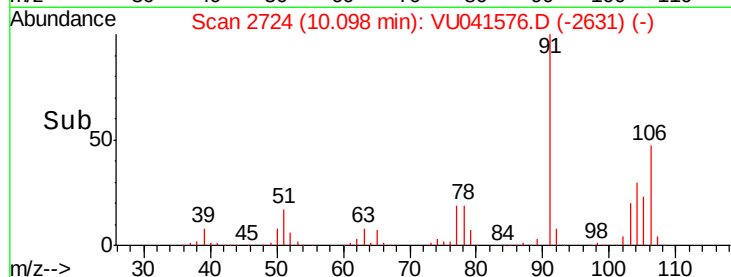
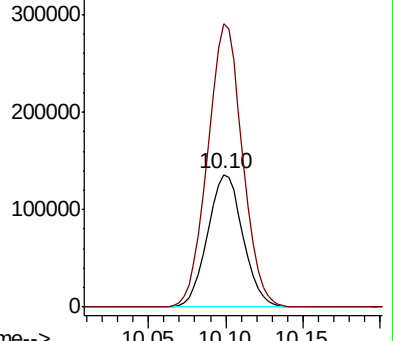
106 100

91 213.8 151.3 281.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 10.035 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU041576.D

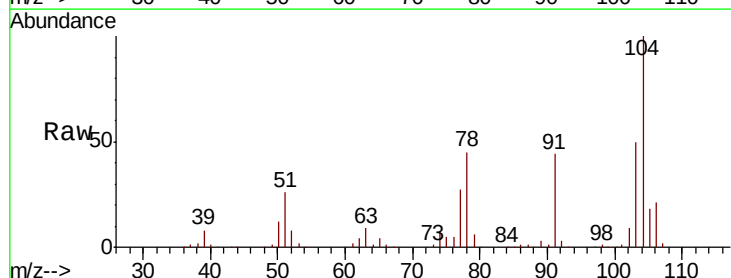
Acq: 12 Dec 2020 18:37

Tgt Ion:104 Resp: 379208

Ion Ratio Lower Upper

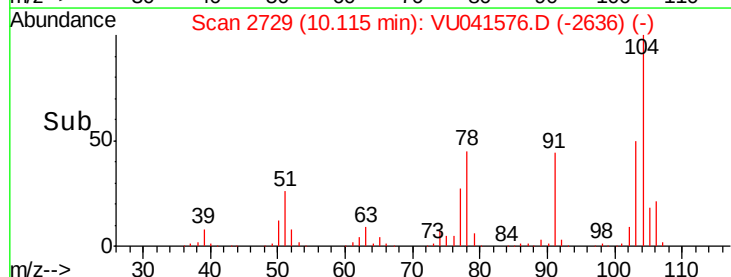
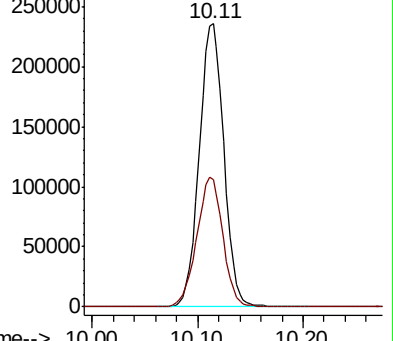
104 100

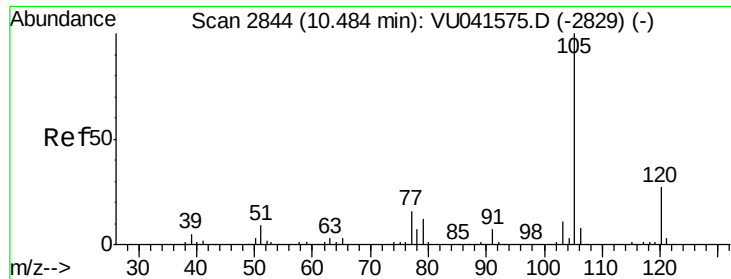
78 44.8 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.065 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

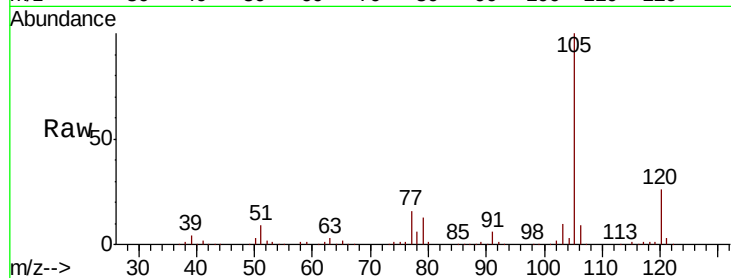
Tot Ion:105 Resp: 570965

Ion Ratio Lower Upper

105 100

120 26.3 20.5 30.7

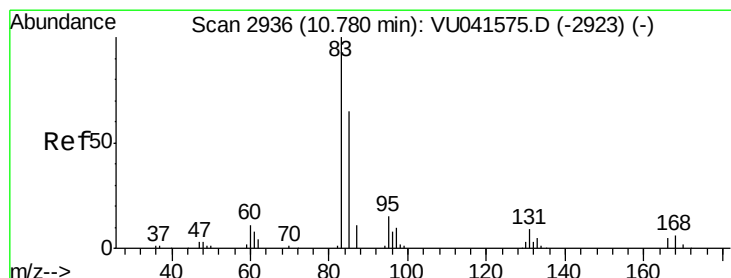
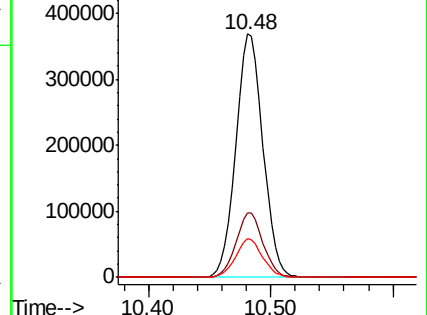
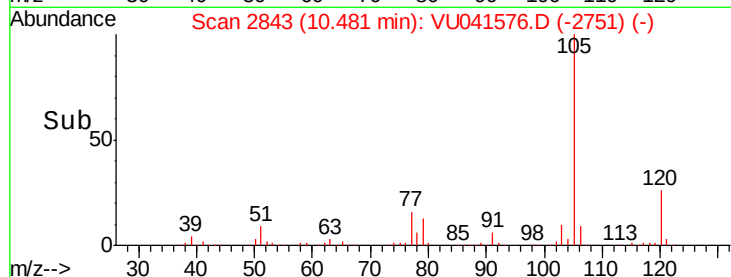
77 15.6 12.7 19.1



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: 10.015 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

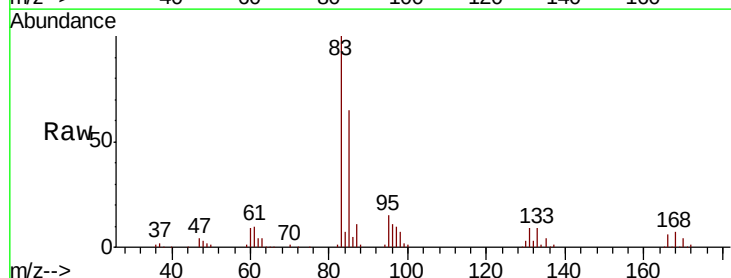
Tgt Ion: 83 Resp: 134878

Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.7

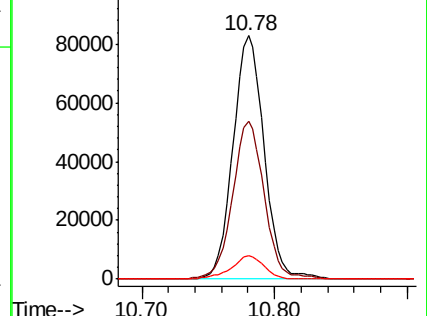
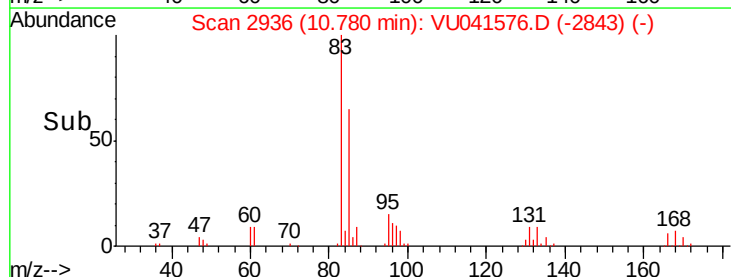
131 9.4 7.8 11.6

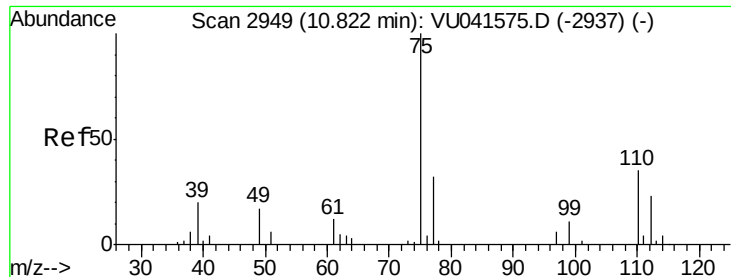


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.660 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

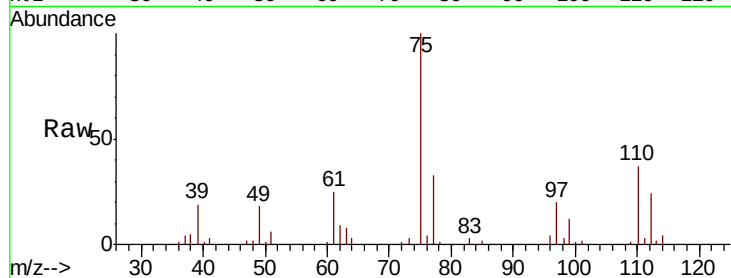
VSTD01004

Tot Ion: 75 Resp: 95598

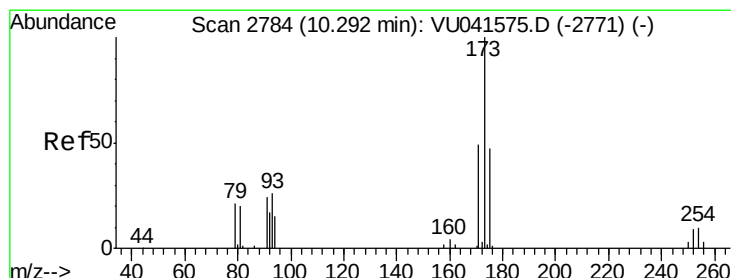
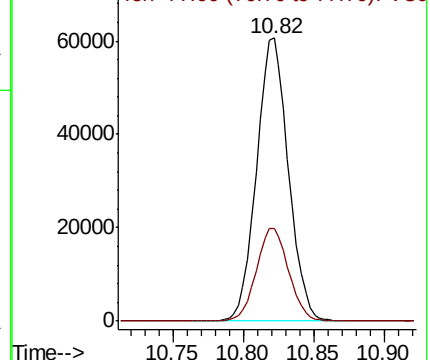
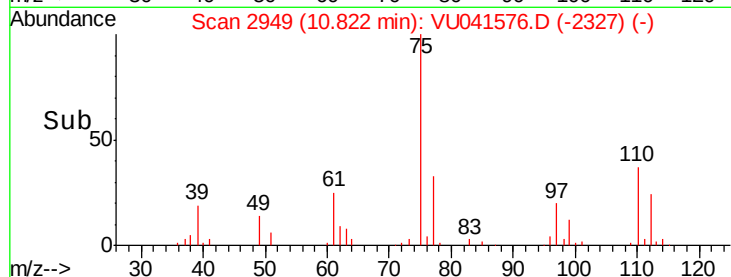
Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041575.D (-2937) (-)



#61

Bromoform

Concen: 10.380 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

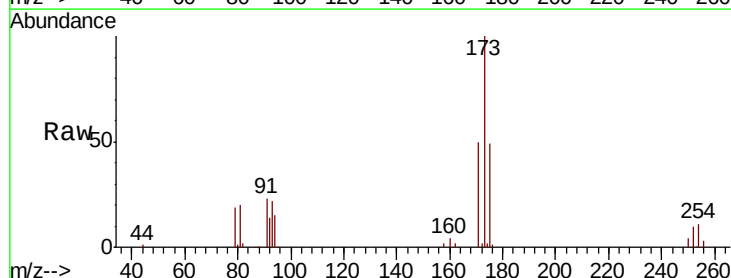
Tgt Ion: 173 Resp: 69678

Ion Ratio Lower Upper

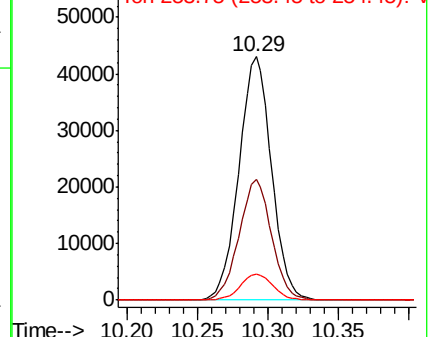
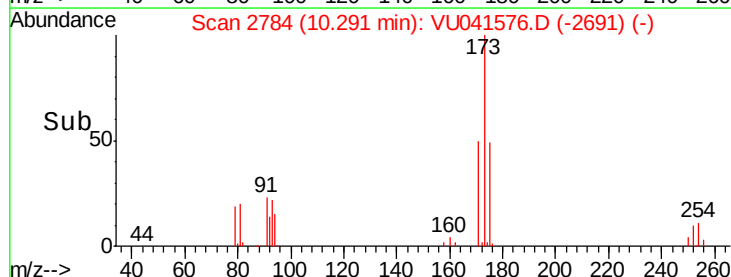
173 100

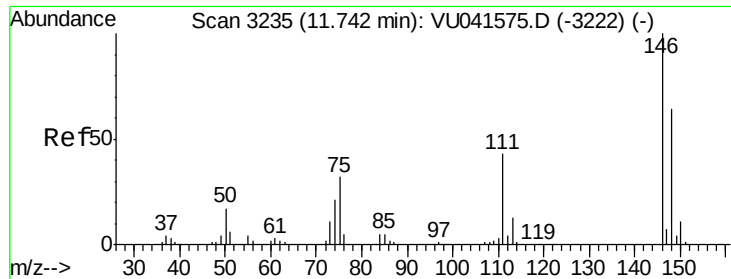
175 49.4 37.3 55.9

254 10.5 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU041575.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 9.870 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

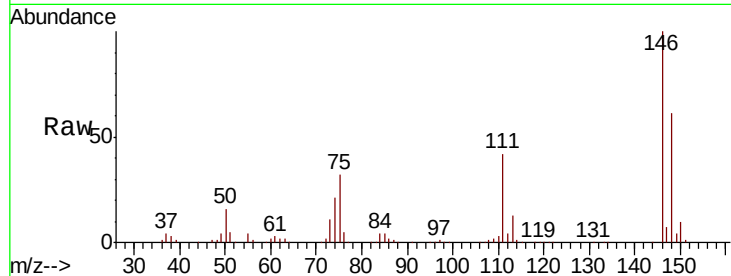
Tot Ion:146 Resp: 259782

Ion Ratio Lower Upper

146 100

111 41.6 30.0 55.8

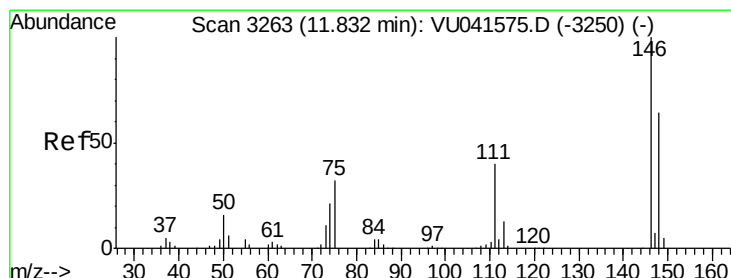
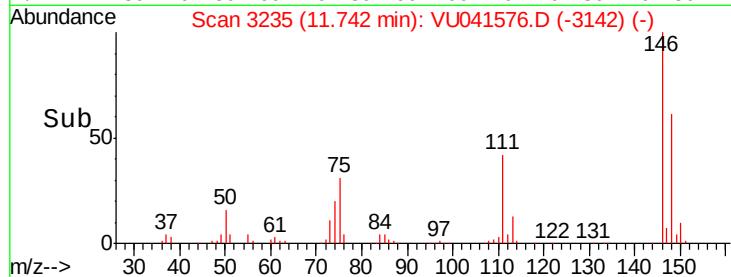
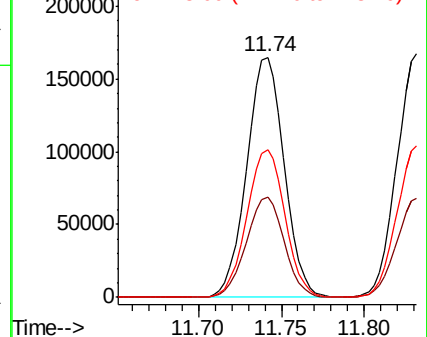
148 61.4 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.677 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

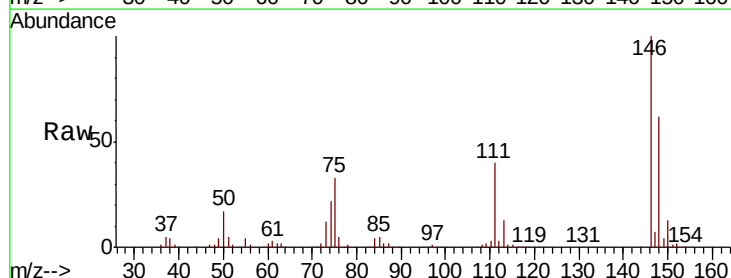
Tgt Ion:146 Resp: 259538

Ion Ratio Lower Upper

146 100

111 40.4 27.9 51.9

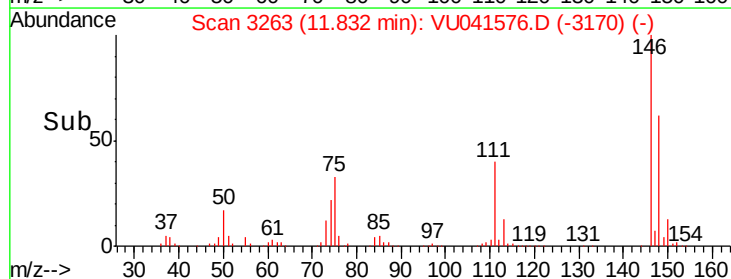
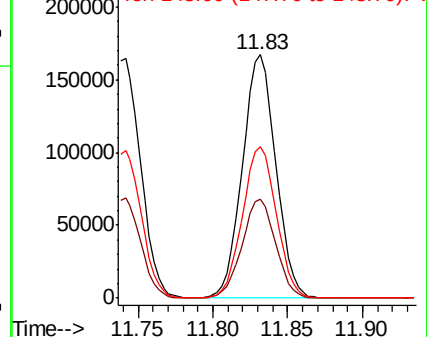
148 62.1 45.0 83.6

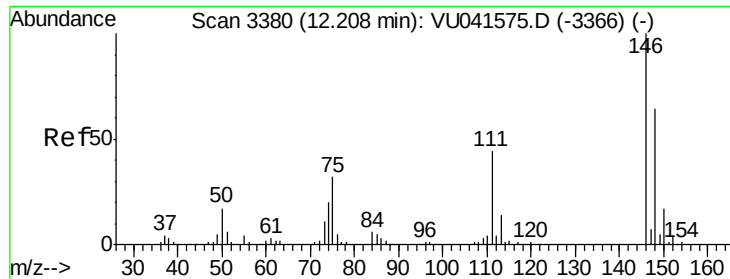


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

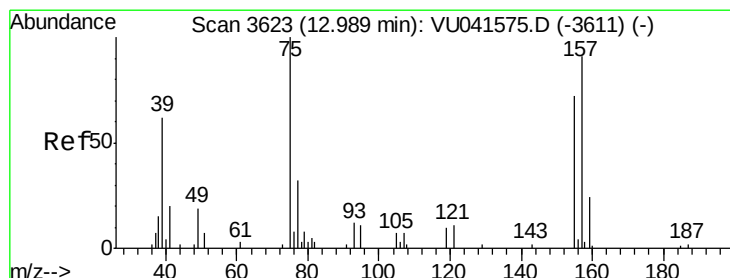
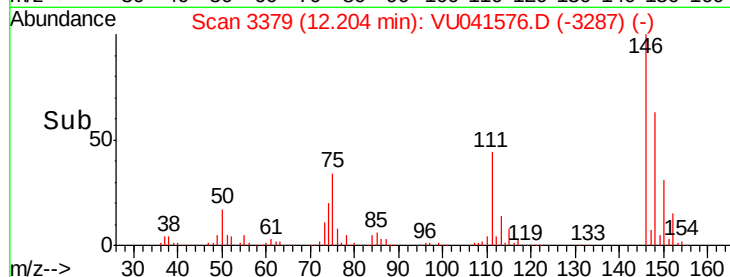
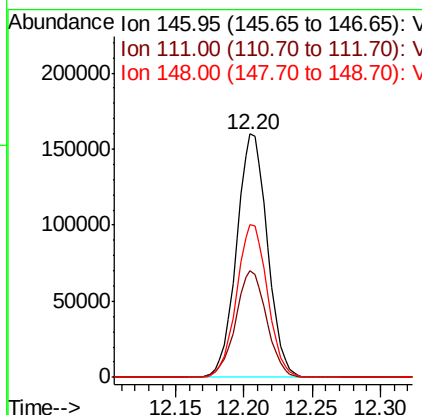
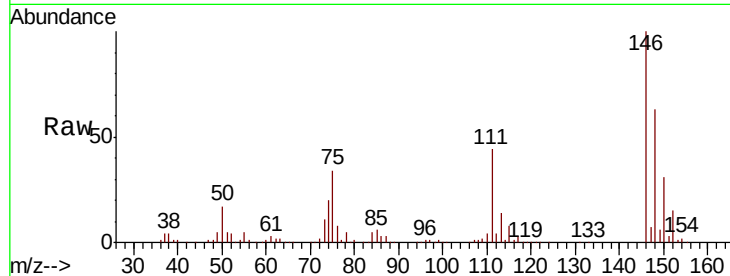




#65
 1,2-Dichlorobenzene
 Concen: 9.881 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

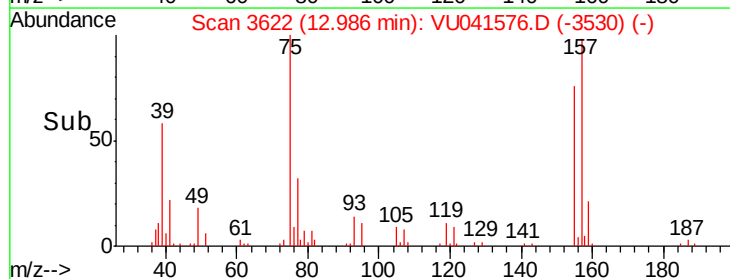
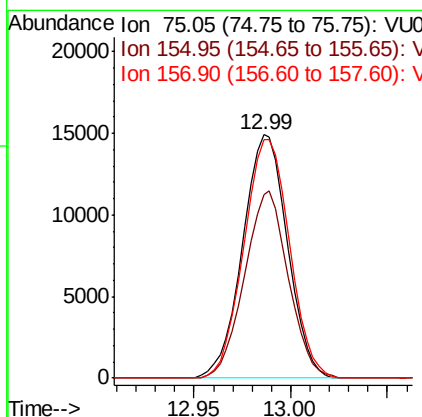
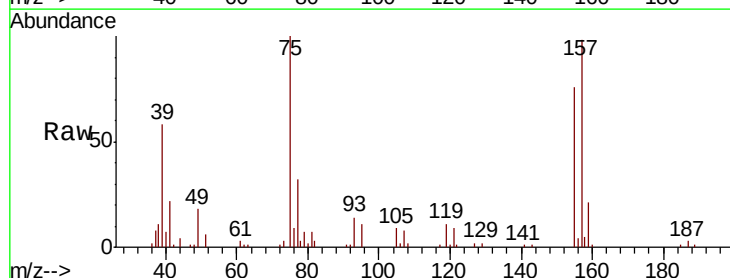
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

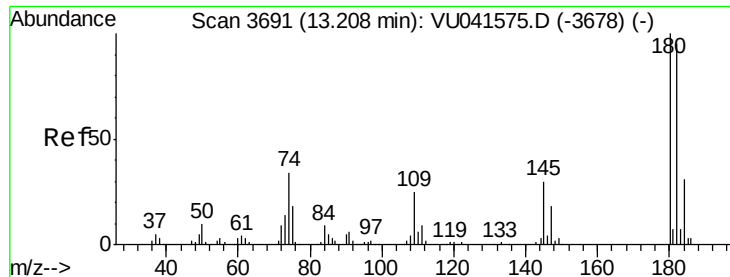
Tot Ion:146 Resp: 250251
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.0 52.6
 148 62.8 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.730 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Tgt Ion: 75 Resp: 24030
 Ion Ratio Lower Upper
 75 100
 155 75.5 57.4 86.0
 157 97.8 72.4 108.6

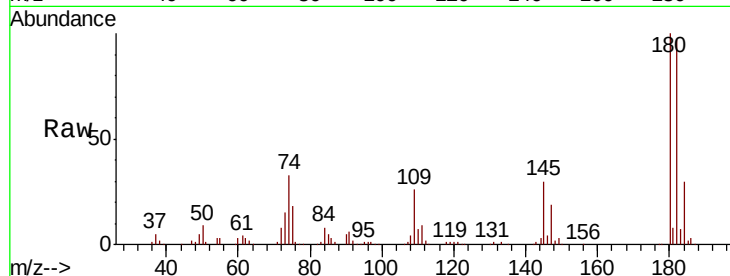




#67
 1,3,5-Trichlorobenzene
 Concen: 9.870 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
184	30.0	24.1	36.1
145	30.0	24.1	36.1



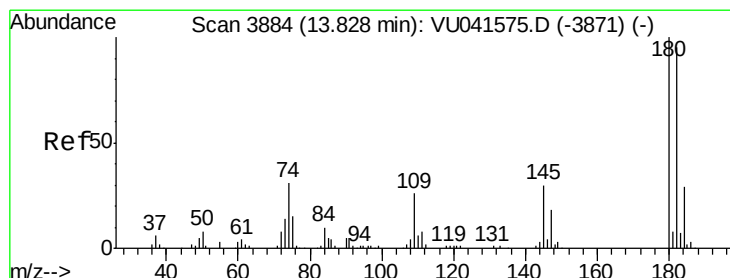
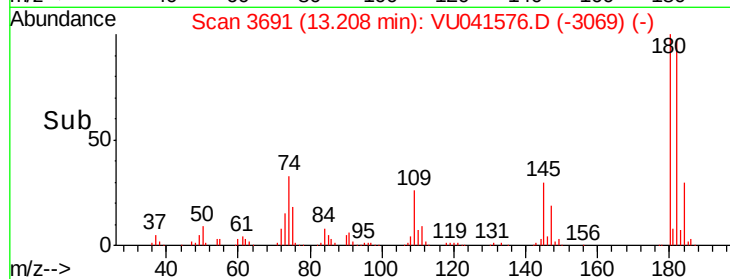
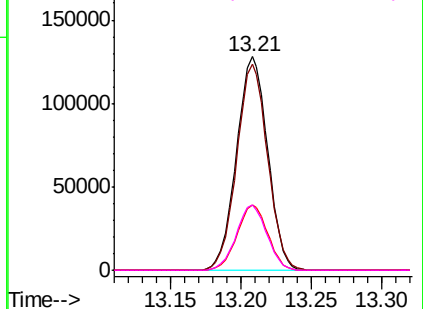
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

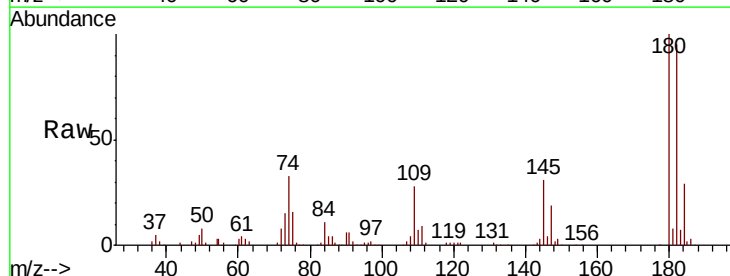
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.311 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041576.D
 Acq: 12 Dec 2020 18:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.0
145	31.3	24.5	36.7

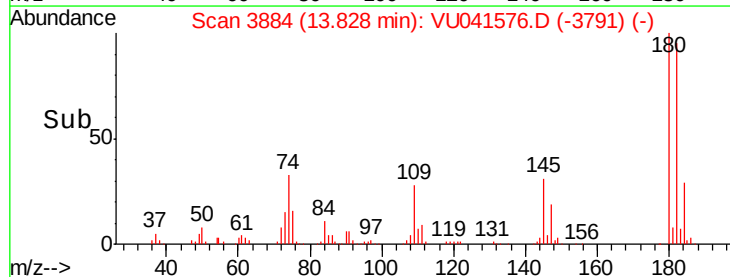
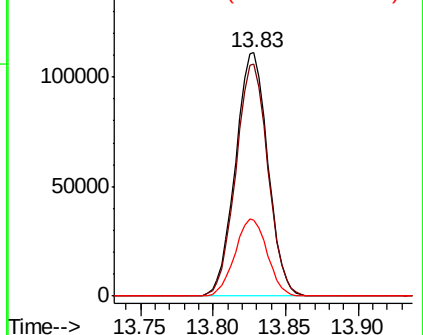


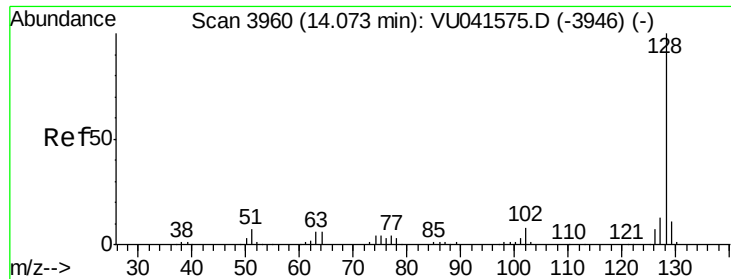
Abundance

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: 10.156 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

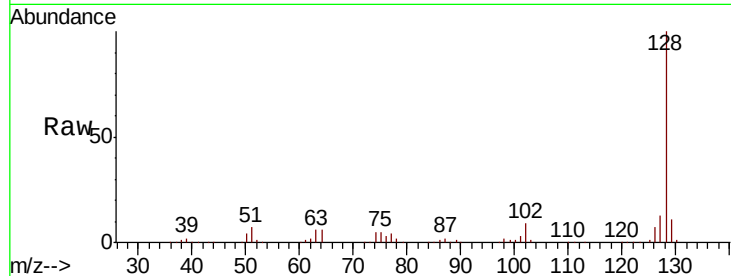
Tot Ion:128 Resp: 373740

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

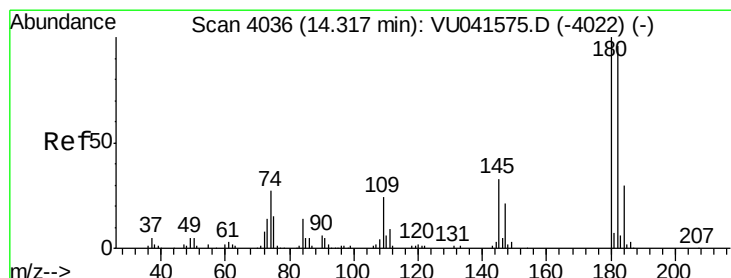
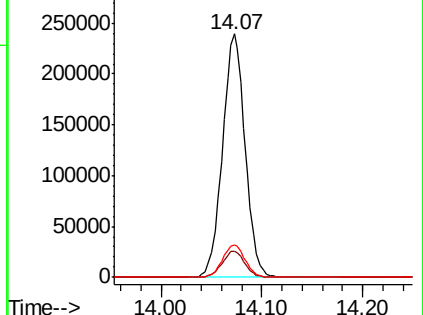
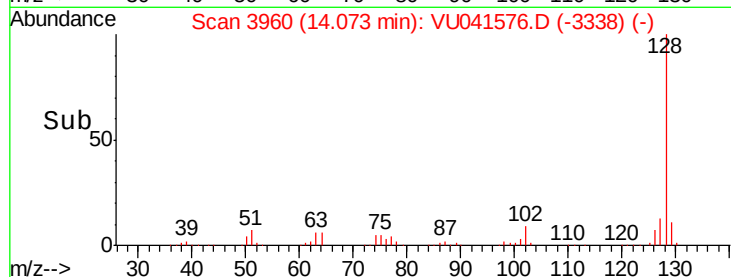
127 13.4 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.053 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. -0.00 min

Lab File: VU041576.D

Acq: 12 Dec 2020 18:37

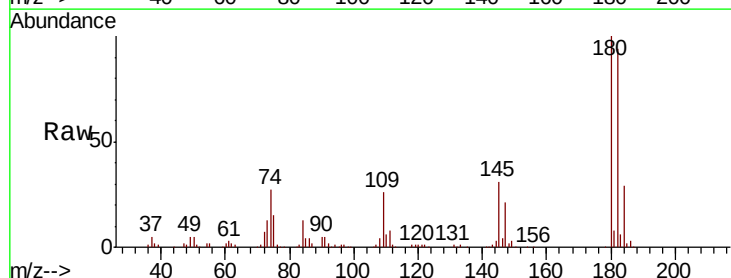
Tgt Ion:180 Resp: 174052

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 31.8 26.4 39.6



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

