

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091820\
 Data File : VU040199.D
 Acq On : 18 Sep 2020 09:38
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Sep 18 23:18:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 18 04:01:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120973	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116729	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30747	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.92	69	27846	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.58	63	80085	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.65	46	135361	51.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.48%
24) Chloroform-d	5.08	84	75241	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	47488	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.74	84	135911	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.70	67	45959	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.90	98	118337	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.19	79	19512	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.64	63	103249	52.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41740	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45822	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	60193	5.014 ug/L	99
3) Chloromethane	1.53	50	55826	4.857 ug/L	99
5) Vinyl chloride	1.61	62	57214	4.910 ug/L	97
6) Bromomethane	1.87	94	31125	5.226 ug/L	98
8) Chloroethane	1.94	64	32910	4.699 ug/L	98
9) Trichlorofluoromethane	2.15	101	88317	5.291 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	59100	5.462 ug/L	99
12) 1,1-Dichloroethene	2.59	96	50076	5.349 ug/L	93
13) Acetone	2.66	43	124148	50.763 ug/L	98
14) Carbon disulfide	2.81	76	140820	4.691 ug/L	100
15) Methyl Acetate	2.97	43	28608	4.661 ug/L	99
16) Methylene chloride	3.06	84	59186	4.827 ug/L	89
17) Methyl tert-butyl Ether	3.38	73	141702	5.022 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	51514	5.115 ug/L	99
19) 1,1-Dichloroethane	3.89	63	105416	5.085 ug/L	98
21) 2-Butanone	4.73	43	197476	49.459 ug/L	96
22) cis-1,2-Dichloroethene	4.68	96	59386	5.484 ug/L	91

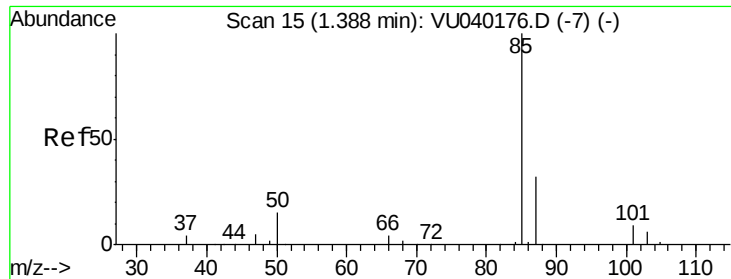
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091820\
 Data File : VU040199.D
 Acq On : 18 Sep 2020 09:38
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 18 04:01:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	27383	5.771	ug/L	91
25) Chloroform	5.11	83	119490	5.629	ug/L	99
27) 1,2-Dichloroethane	5.81	62	80428	5.171	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	97468	5.318	ug/L	98
30) Cyclohexane	5.40	56	86695	4.878	ug/L	99
31) Carbon tetrachloride	5.54	117	82764	5.277	ug/L	100
33) Benzene	5.79	78	222459	5.327	ug/L	100
34) Trichloroethene	6.55	95	58611	5.232	ug/L	95
35) Methylcyclohexane	6.77	83	84094	4.903	ug/L	99
37) 1,2-Dichloropropane	6.80	63	61766	5.462	ug/L	99
38) Bromodichloromethane	7.11	83	81069	5.252	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	83170	4.987	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	475591	51.263	ug/L	98
42) Toluene	7.98	91	239243	5.563	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	79809	5.165	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	44555	5.409	ug/L	96
47) Tetrachloroethene	8.56	164	40066	5.445	ug/L	98
48) 2-Hexanone	8.69	43	354795	52.428	ug/L	99
49) Dibromochloromethane	8.81	129	55631	5.627	ug/L	99
50) 1,2-Dibromoethane	8.93	107	43242	5.445	ug/L #	94
51) Chlorobenzene	9.45	112	151715	5.682	ug/L	97
52) Ethylbenzene	9.57	91	257716	5.274	ug/L	99
53) m,p-Xylene	9.69	106	96400	5.541	ug/L	97
54) o-Xylene	10.10	106	92567	5.584	ug/L	98
55) Styrene	10.11	104	167931	5.825	ug/L	95
56) Isopropylbenzene	10.48	105	252058	5.575	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	59158	5.601	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	43950	5.246	ug/L	97
61) Bromoform	10.29	173	28498	5.174	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	117865	5.370	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	120517	5.426	ug/L	96
65) 1,2-Dichlorobenzene	12.20	146	111869	5.267	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10638	4.683	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	80228	5.198	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	63952	4.811	ug/L	98
69) Naphthalene	14.08	128	117727	4.248	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	60959	4.992	ug/L	95

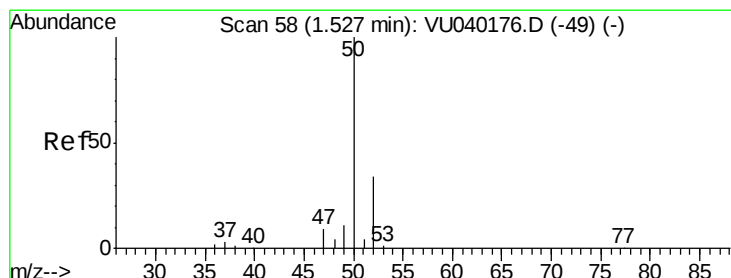
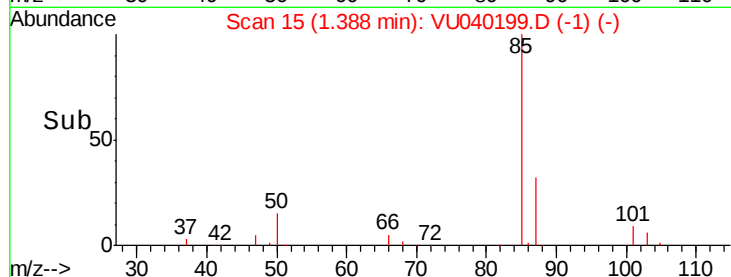
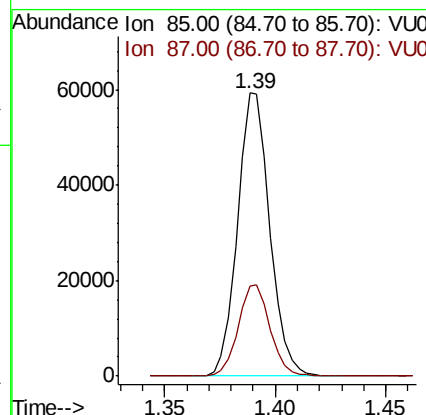
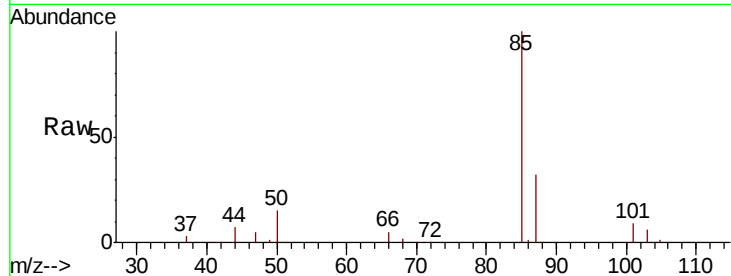
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.014 ug/L
RT: 1.39 min Scan# 15
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

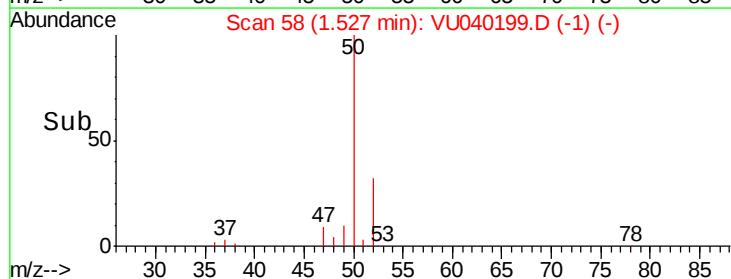
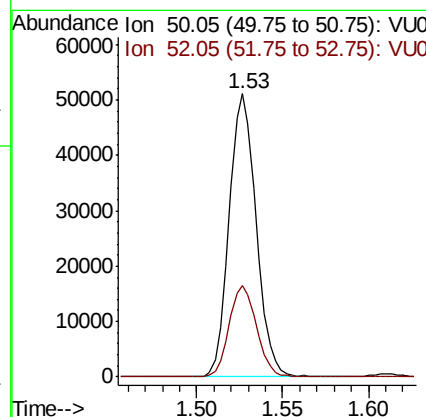
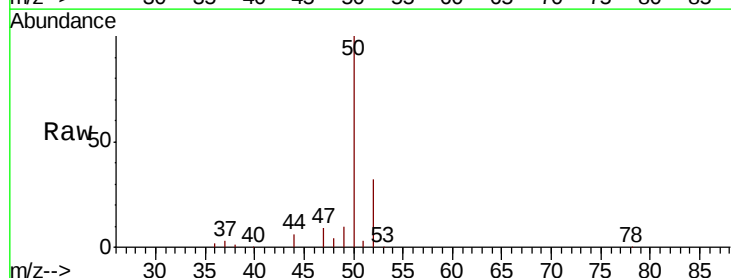
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

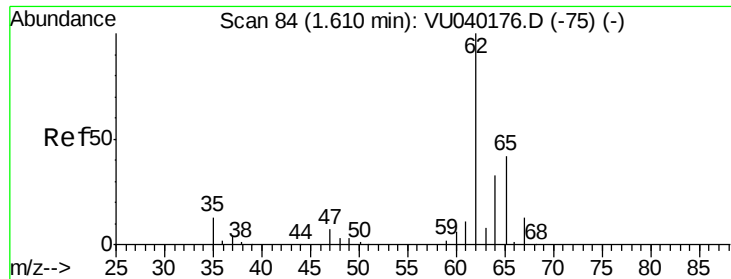
Tot Ion: 85 Resp: 60193
Ion Ratio Lower Upper
85 100
87 31.8 25.9 38.9



#3
Chloromethane
Concen: 4.857 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Tgt Ion: 50 Resp: 55826
Ion Ratio Lower Upper
50 100
52 32.3 22.8 42.4





#5

Vinyl chloride

Concen: 4.910 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

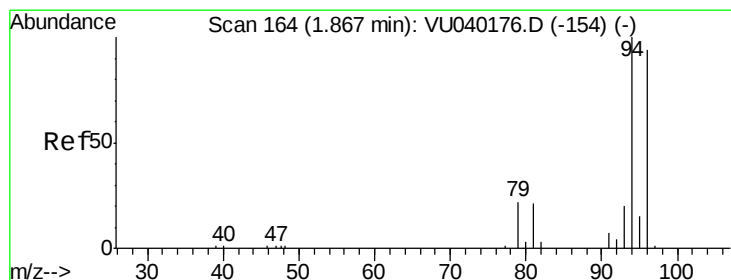
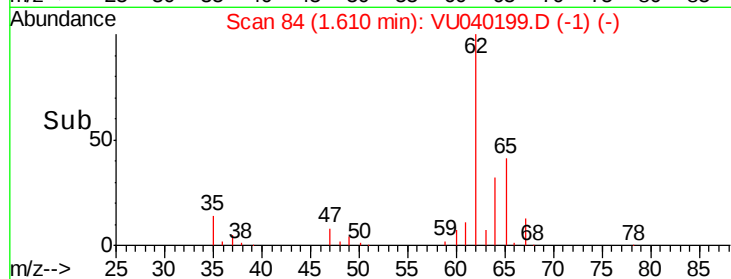
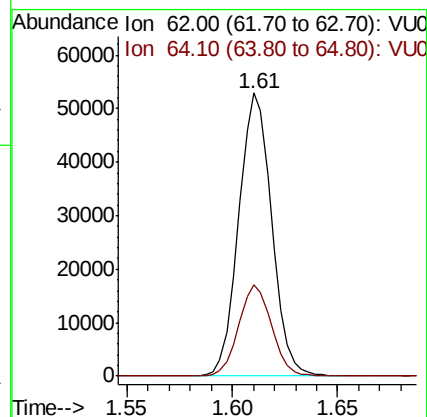
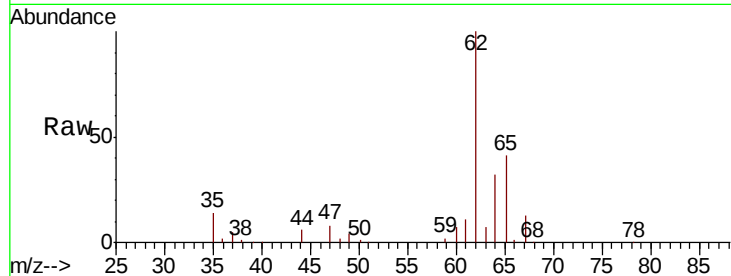
VSTD00513

Tot Ion: 62 Resp: 57214

Ion Ratio Lower Upper

62 100

64 32.2 23.9 44.3



#6

Bromomethane

Concen: 5.226 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040199.D

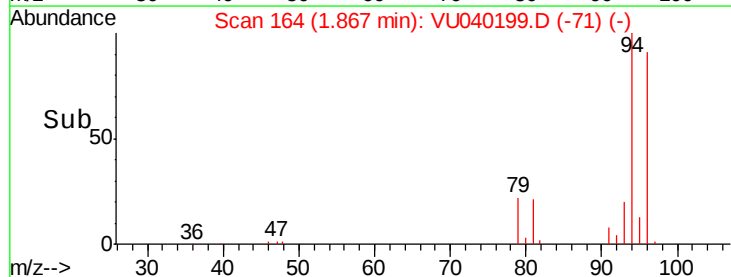
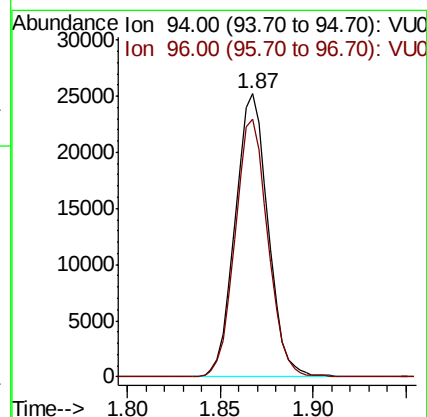
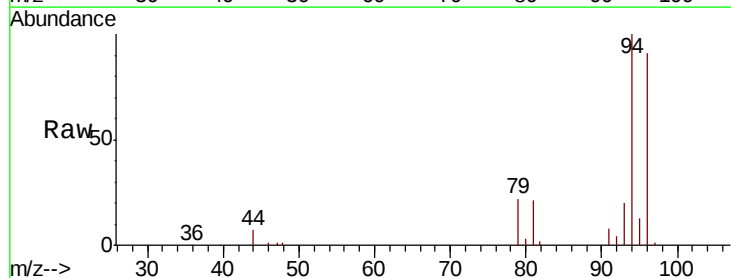
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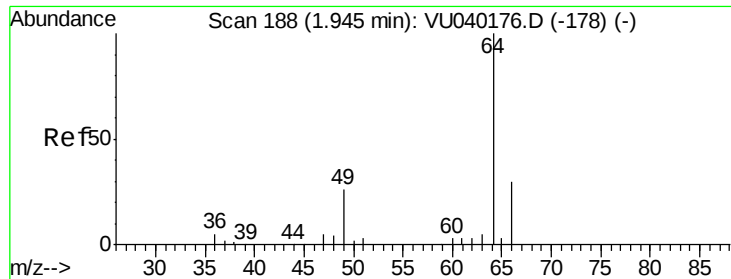
Tgt Ion: 94 Resp: 31125

Ion Ratio Lower Upper

94 100

96 91.1 62.3 115.7

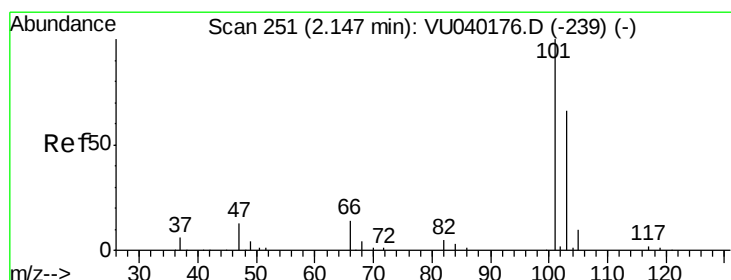
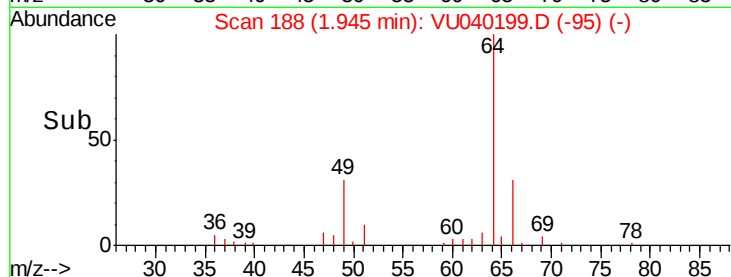
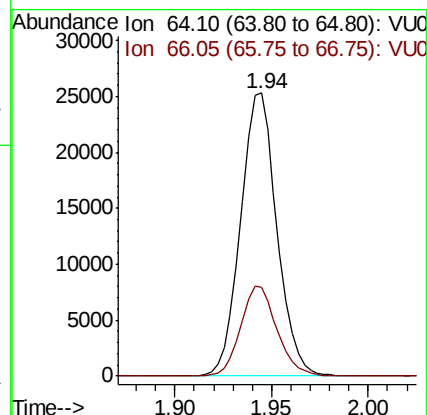
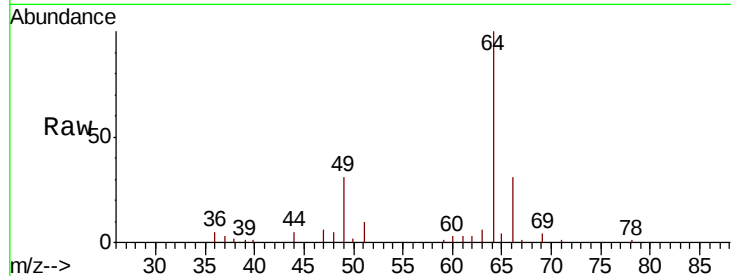




#8
Chloroethane
Concen: 4.699 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

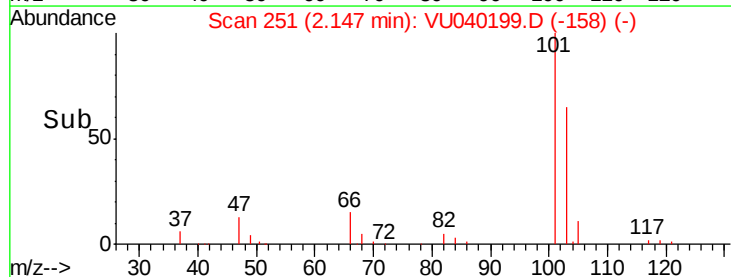
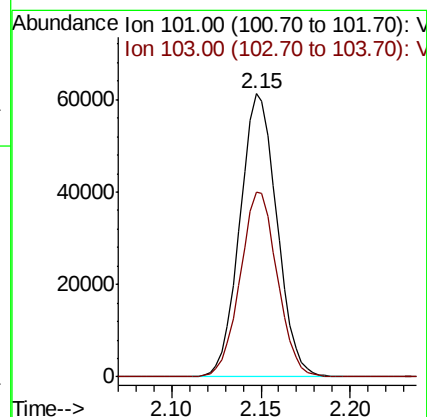
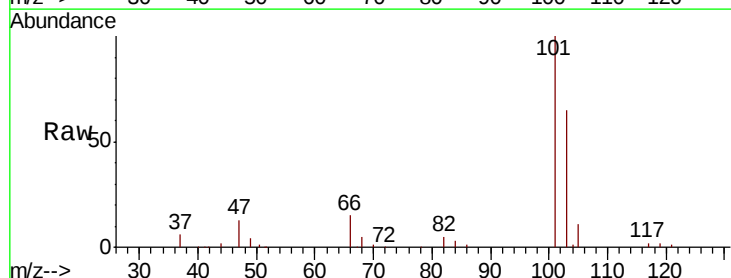
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

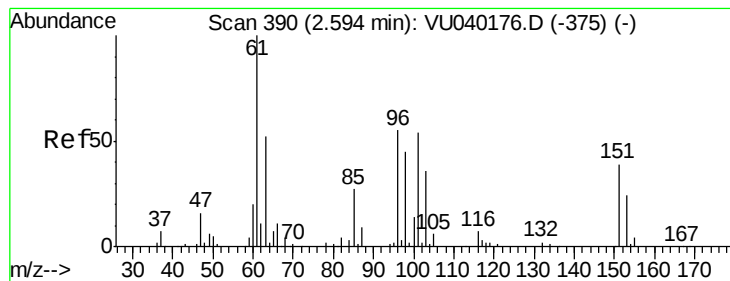
Tot Ion: 64 Resp: 32910
Ion Ratio Lower Upper
64 100
66 31.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.291 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Tgt Ion: 101 Resp: 88317
Ion Ratio Lower Upper
101 100
103 65.5 51.3 76.9





#10

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

Concen: 5.462 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

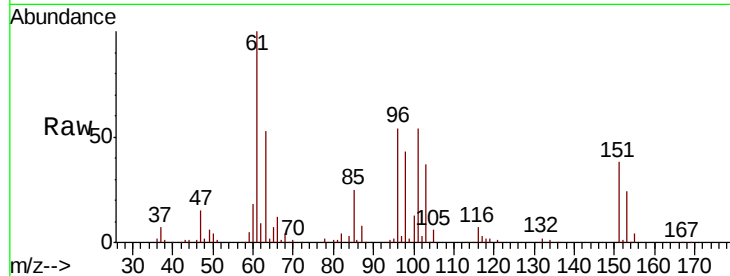
Tot Ion:101 Resp: 59100

Ion Ratio Lower Upper

101 100

85 45.7 37.7 56.5

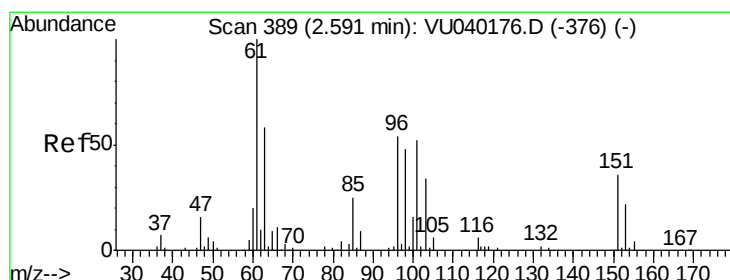
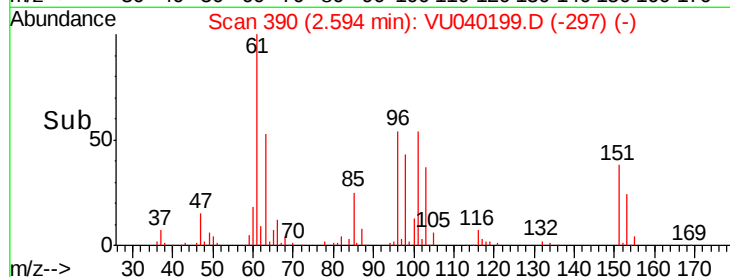
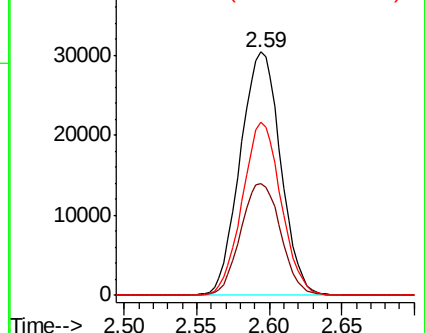
151 68.1 53.9 80.9



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: 5.349 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

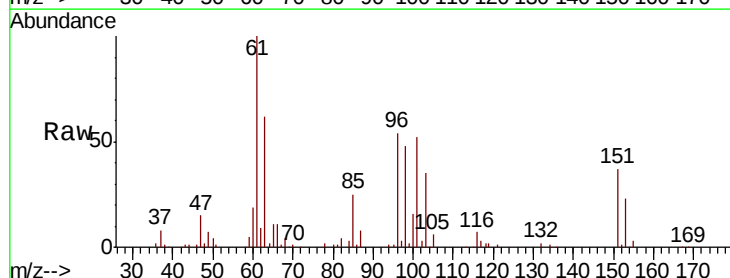
Tgt Ion: 96 Resp: 50076

Ion Ratio Lower Upper

96 100

61 183.9 138.3 256.8

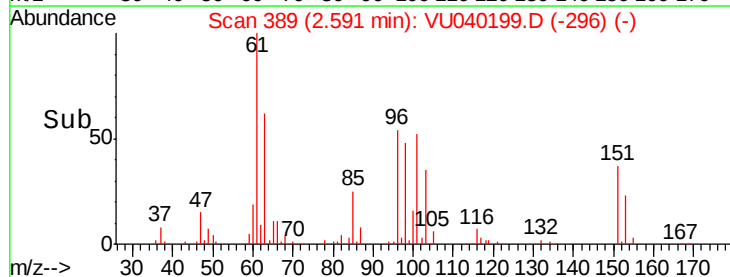
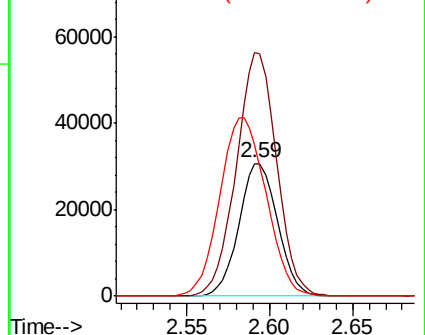
63 114.3 77.6 144.2

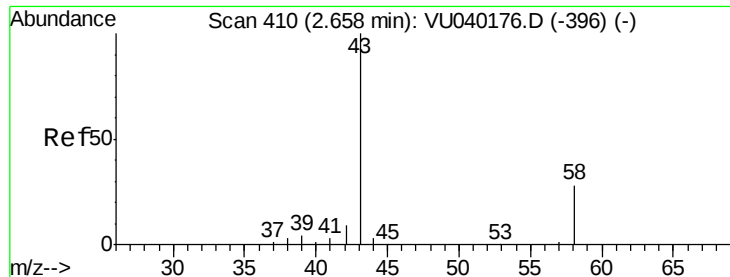


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.763 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040199.D

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ClientSampleId :

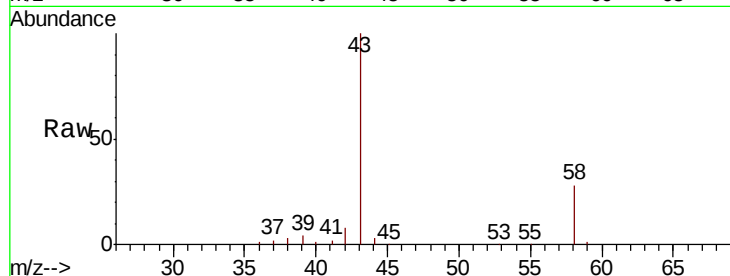
VSTD00513

Tot Ion: 43 Resp: 124148

Ion Ratio Lower Upper

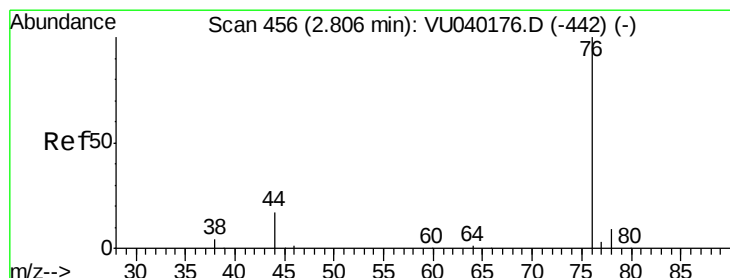
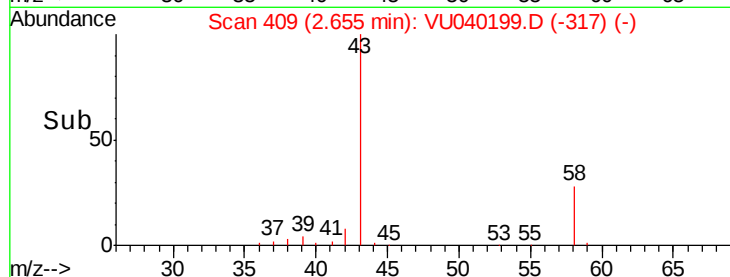
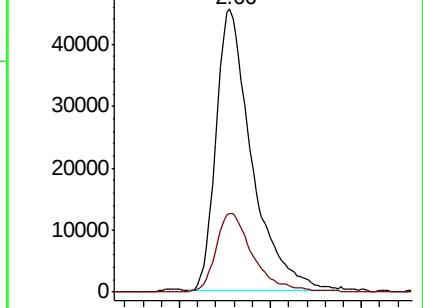
43 100

58 28.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040176.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040176.D (-396) (-)



#14

Carbon disulfide

Concen: 4.691 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040199.D

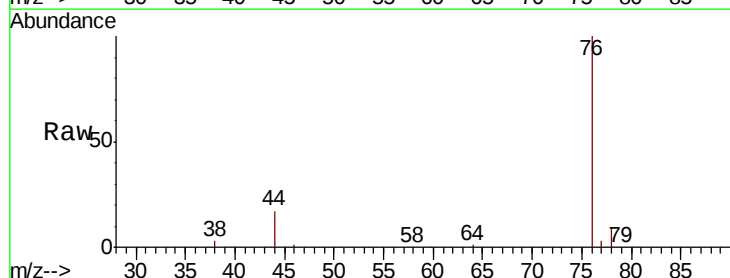
Acq: 18 Sep 2020 09:38

Tgt Ion: 76 Resp: 140820

Ion Ratio Lower Upper

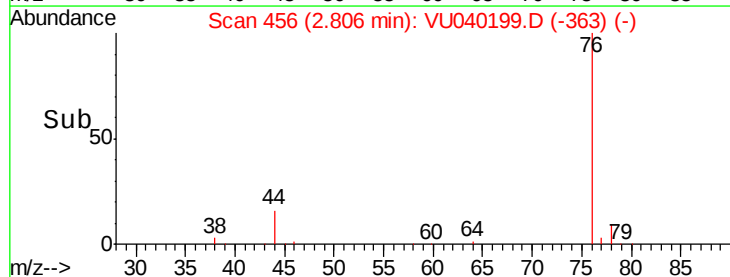
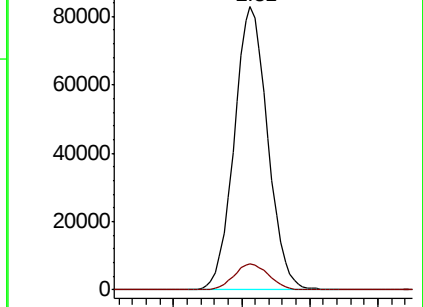
76 100

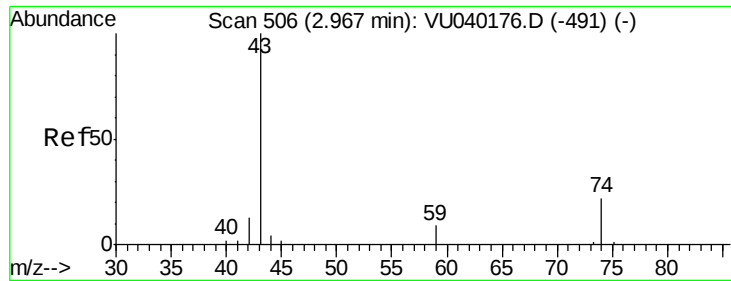
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040176.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040176.D (-442) (-)

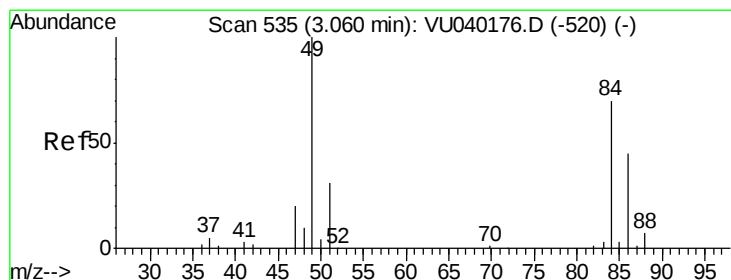
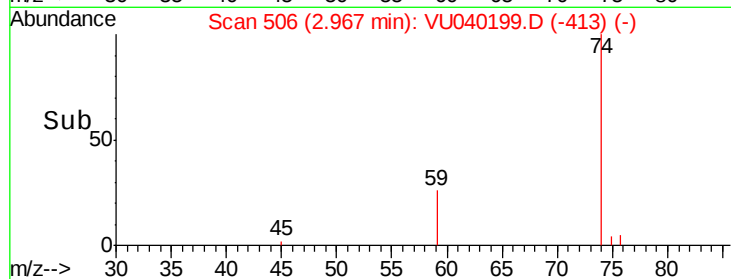
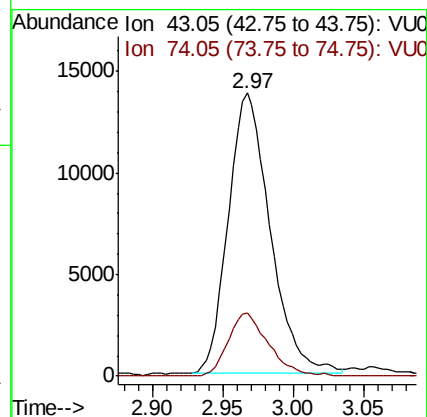
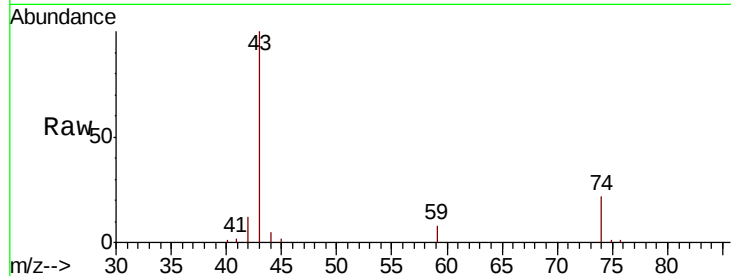




#15
Methvl Acetate
Concen: 4.661 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

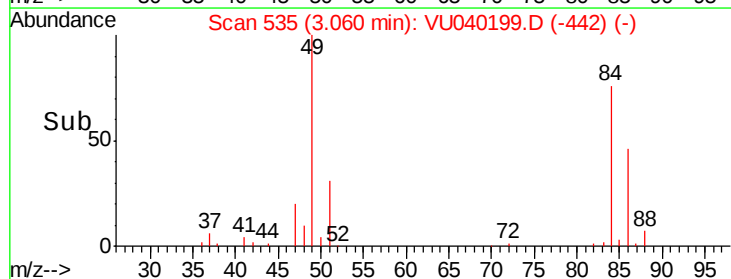
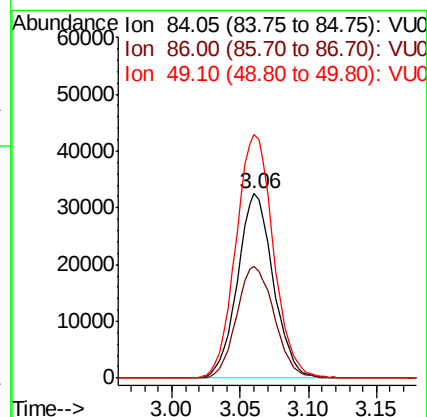
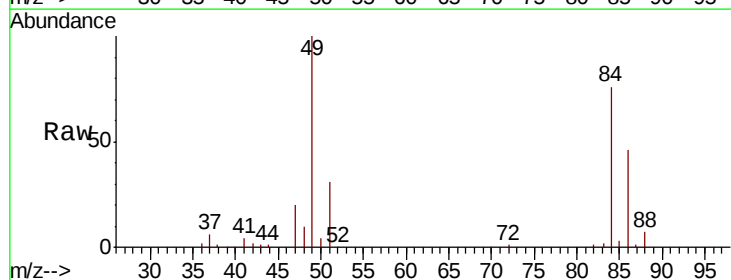
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

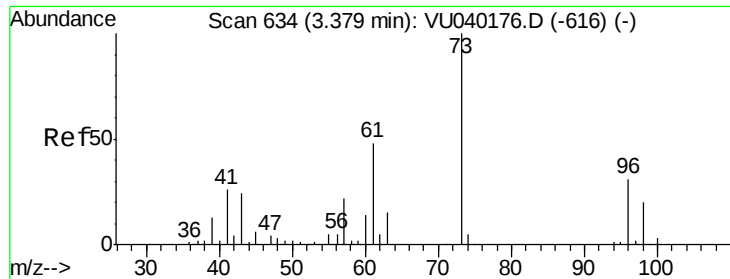
Tot Ion: 43 Resp: 28608
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.0



#16
Methylene chloride
Concen: 4.827 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Tgt Ion: 84 Resp: 59186
Ion Ratio Lower Upper
84 100
86 60.6 45.2 84.0
49 132.2 104.0 193.2

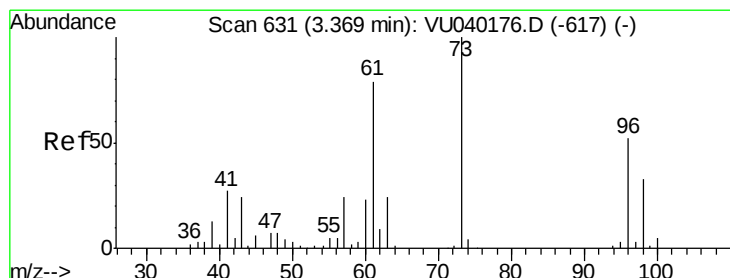
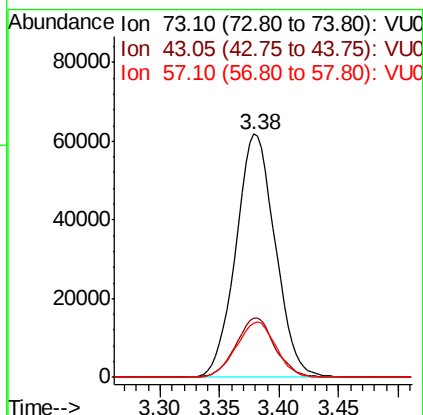
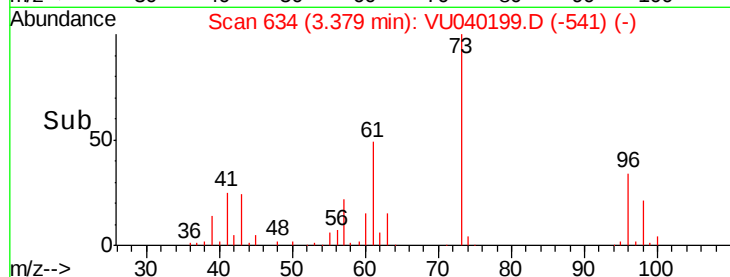
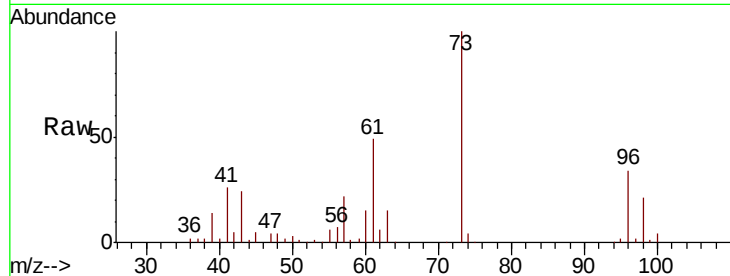




#17
Methvl tert-butvl Ether
Concen: 5.022 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

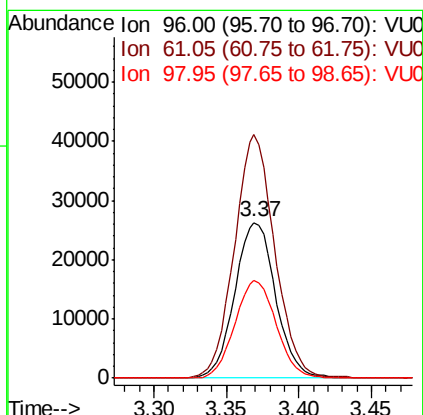
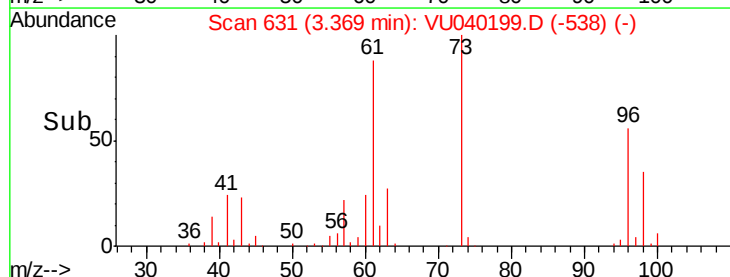
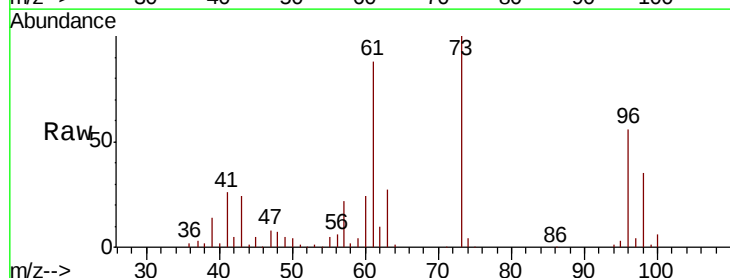
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

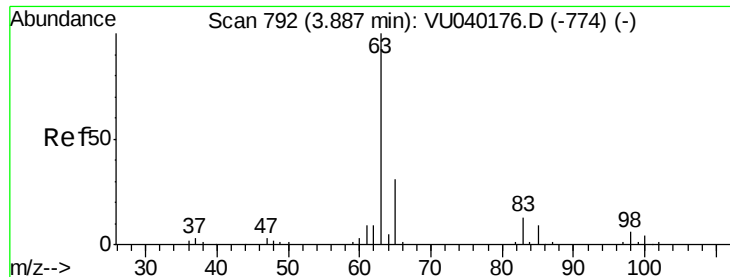
Tot Ion: 73 Resp: 141702
Ion Ratio Lower Upper
73 100
43 24.3 19.1 28.7
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.115 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Tgt Ion: 96 Resp: 51514
Ion Ratio Lower Upper
96 100
61 156.5 110.5 205.3
98 62.7 43.2 80.2

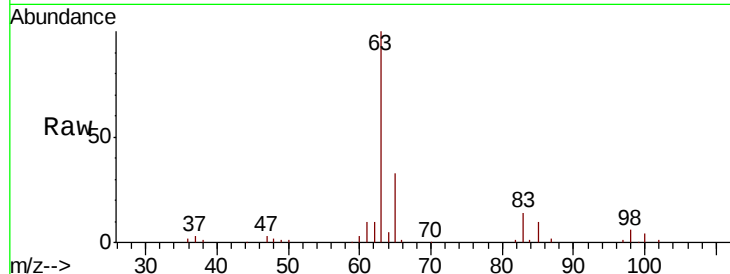




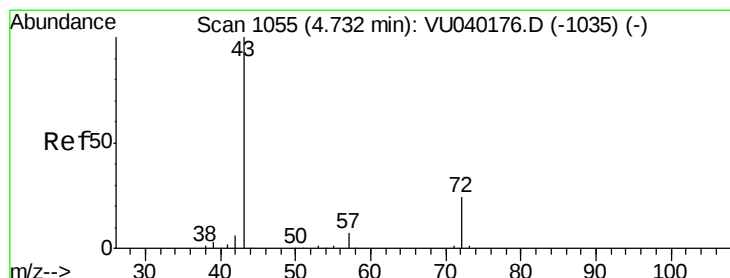
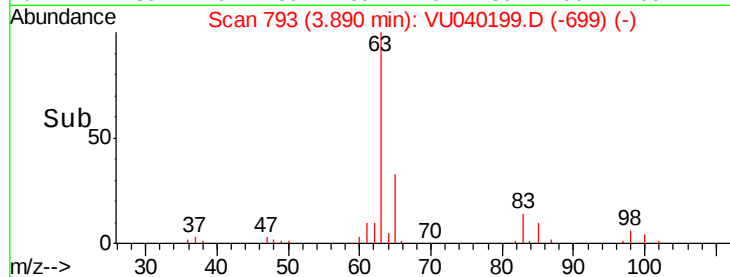
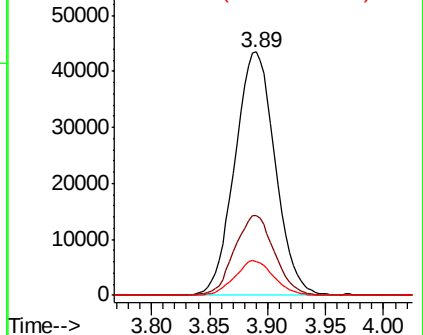
#19
 1,1-Dichloroethane
 Concen: 5.085 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 63 Resp: 105416
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.2 41.2
 83 14.0 9.4 17.6

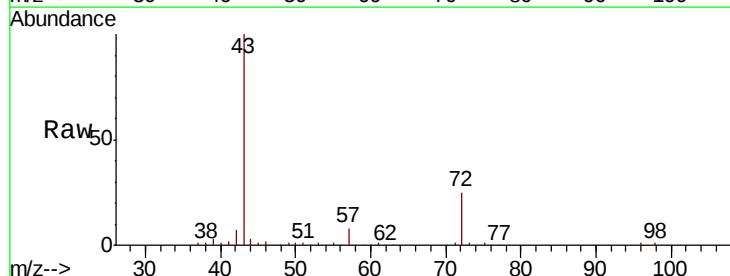


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

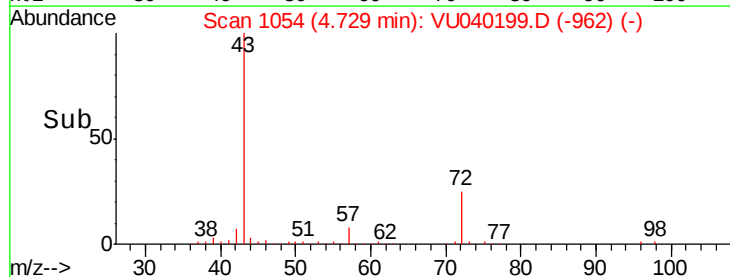
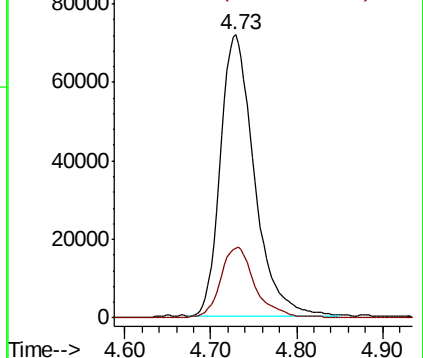


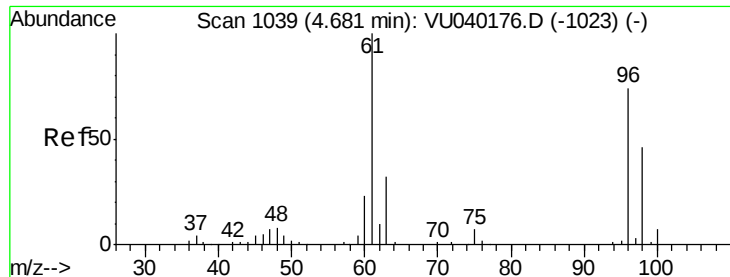
#21
 2-Butanone
 Concen: 49.459 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Tgt Ion: 43 Resp: 197476
 Ion Ratio Lower Upper
 43 100
 72 25.4 11.7 35.0



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: 5.484 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

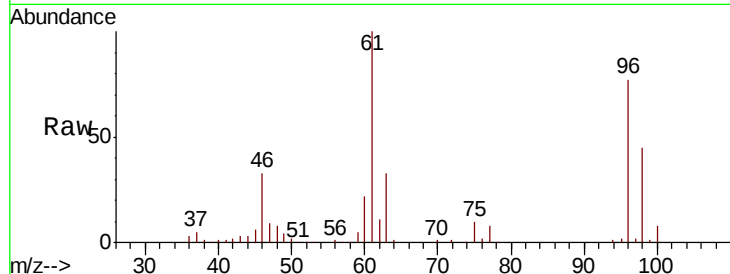
Tot Ion: 96 Resp: 59386

Ion Ratio Lower Upper

96 100

61 130.6 98.8 183.4

68 0.0 0.0 0.0

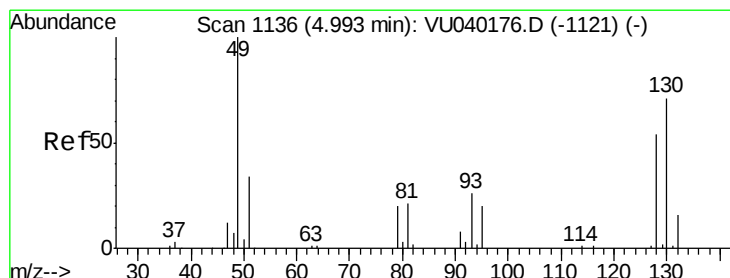
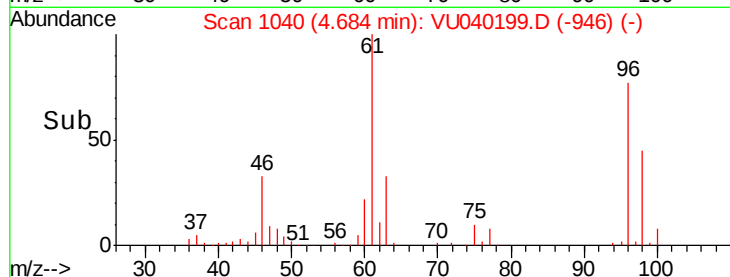
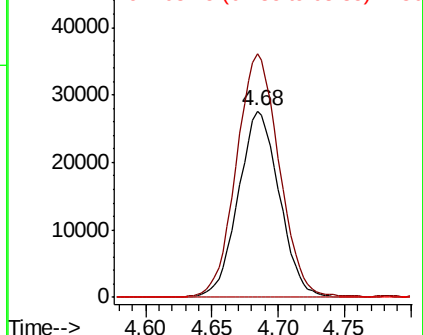


Abundance

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: 5.771 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Tgt Ion: 128 Resp: 27383

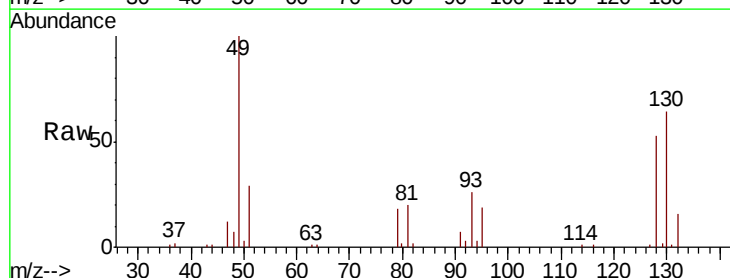
Ion Ratio Lower Upper

128 100

49 189.5 143.4 266.4

130 120.8 89.5 166.3

51 55.3 51.0 76.4



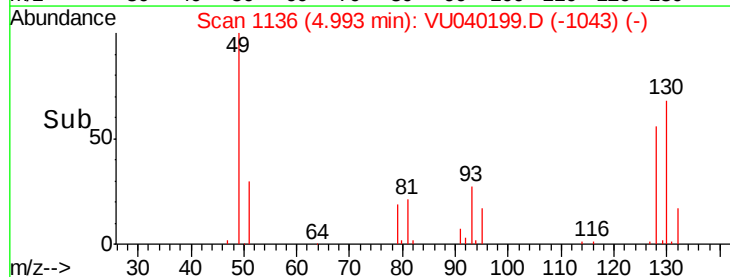
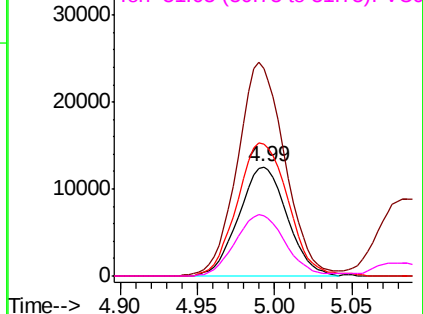
Abundance

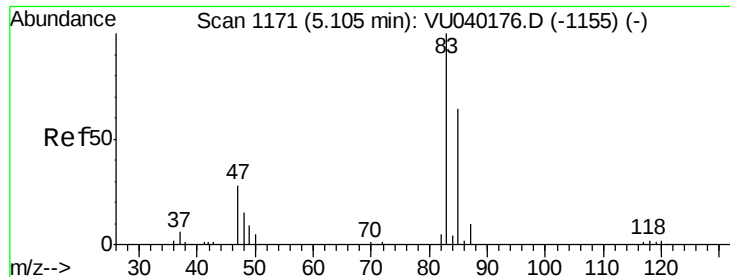
Ion 127.90 (127.60 to 128.60): V

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

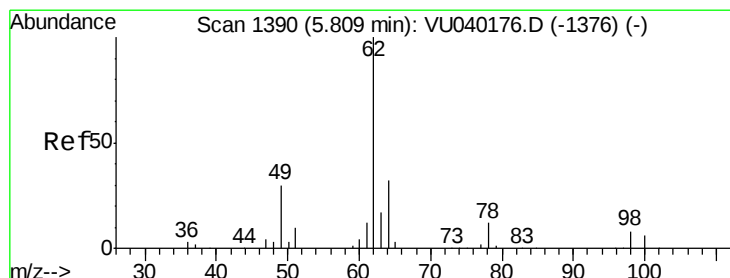
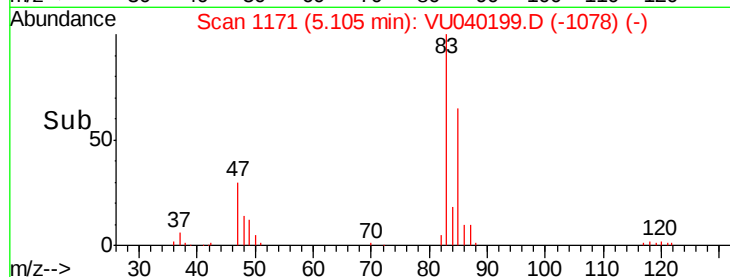
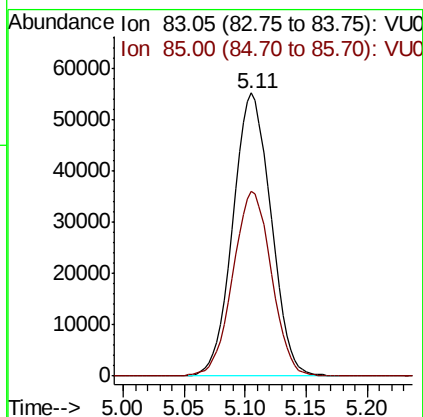
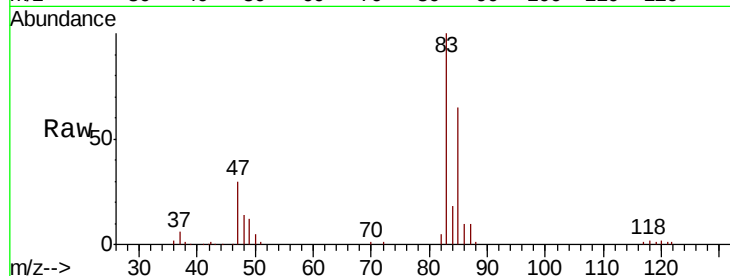




#25
Chloroform
Concen: 5.629 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

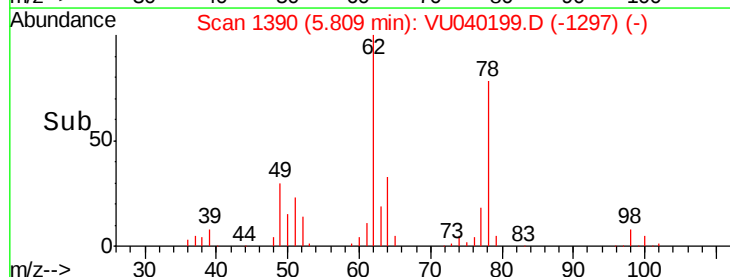
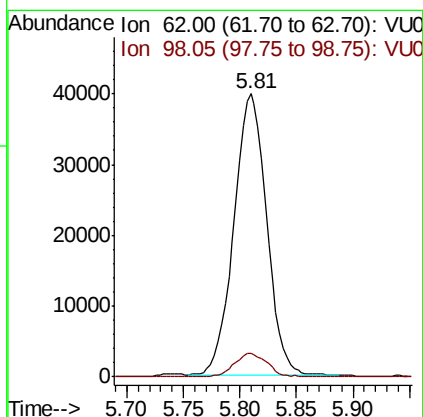
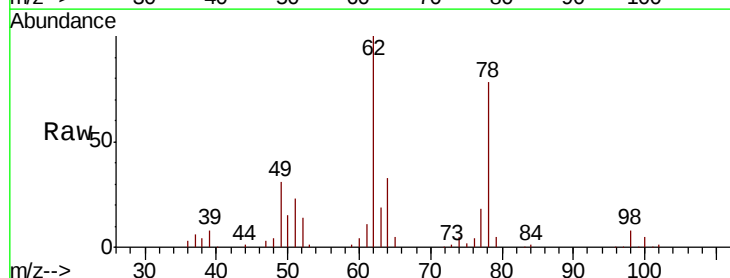
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

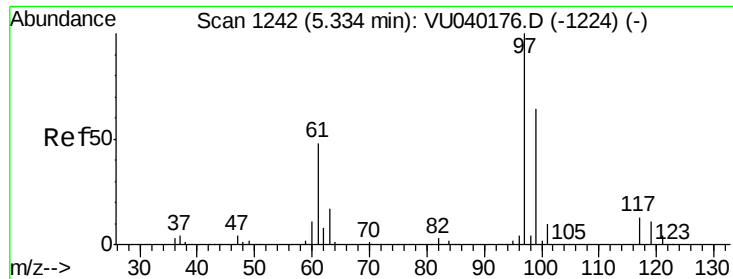
Tot Ion: 83 Resp: 119490
Ion Ratio Lower Upper
83 100
85 65.2 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.171 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Tgt Ion: 62 Resp: 80428
Ion Ratio Lower Upper
62 100
98 8.3 6.1 9.1

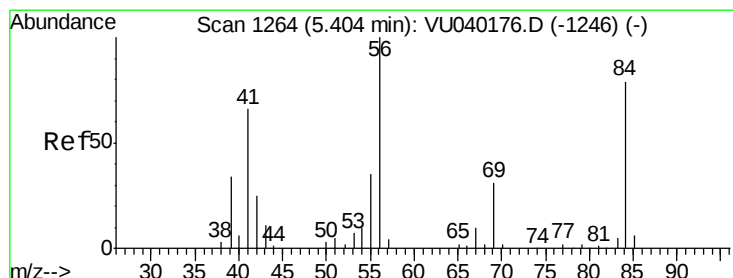
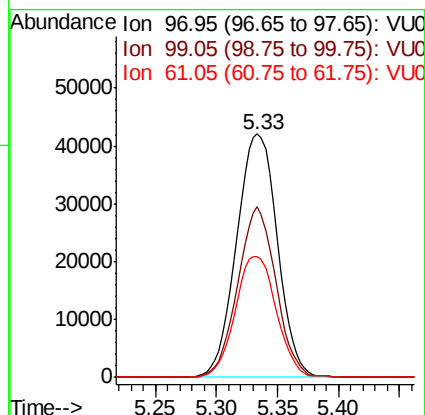
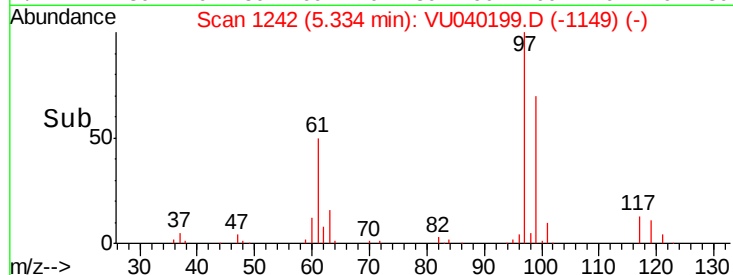
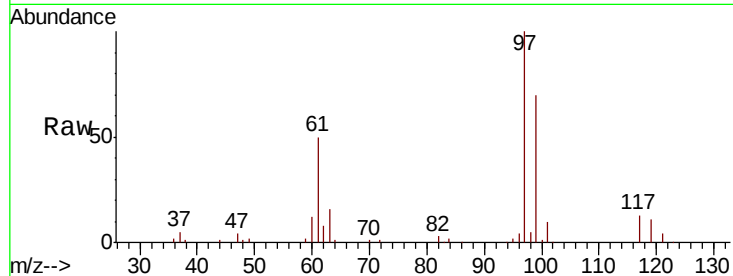




#29
 1,1,1-Trichloroethane
 Concen: 5.318 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

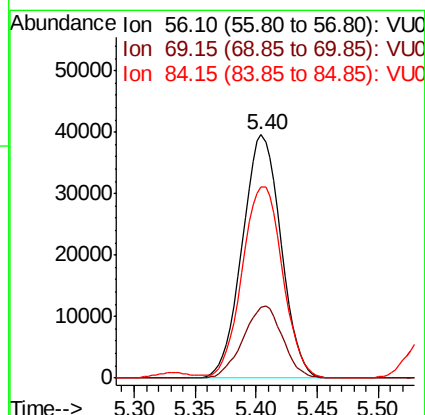
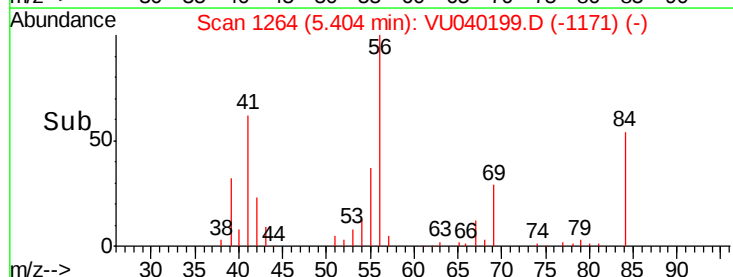
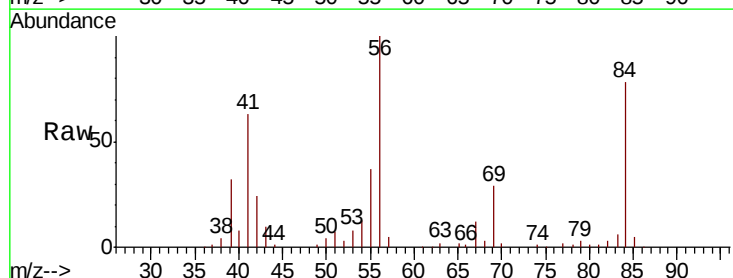
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

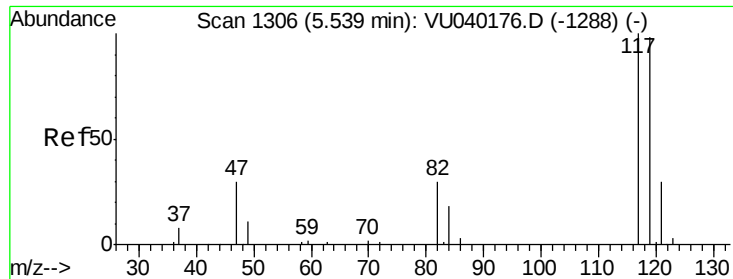
Tot Ion: 97 Resp: 97468
 Ion Ratio Lower Upper
 97 100
 99 65.5 50.9 76.3
 61 49.9 39.5 59.3



#30
 Cyclohexane
 Concen: 4.878 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Tgt Ion: 56 Resp: 86695
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.1 36.1
 84 82.3 65.0 97.4

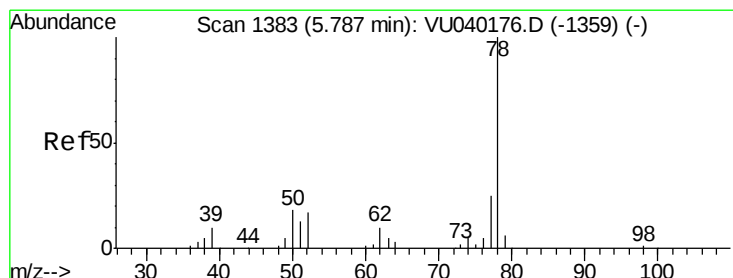
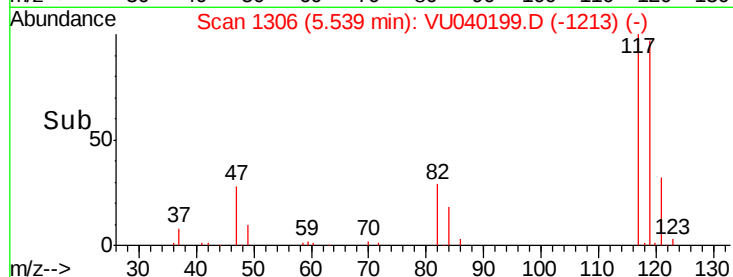
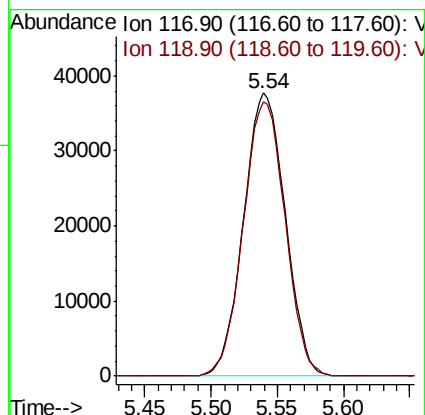
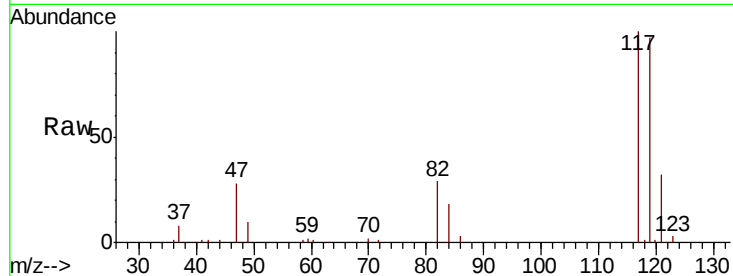




#31
Carbon tetrachloride
Concen: 5.277 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

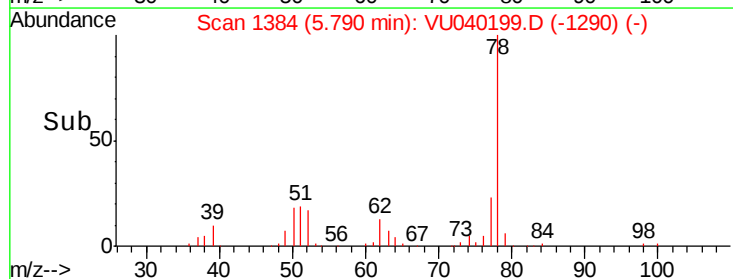
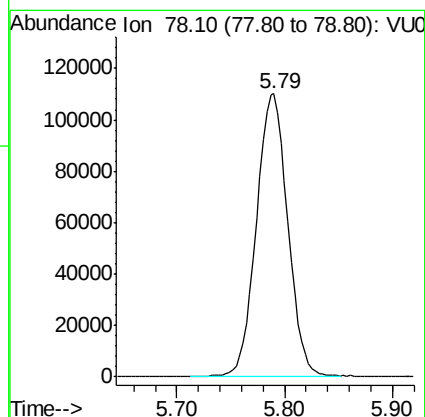
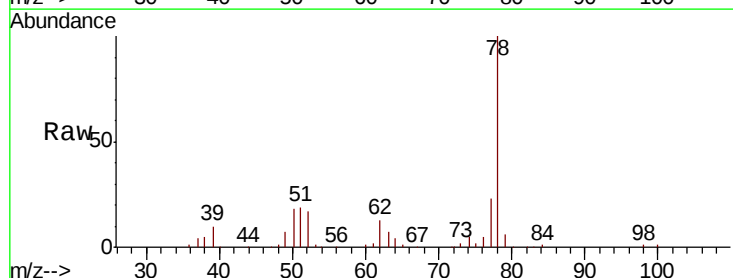
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

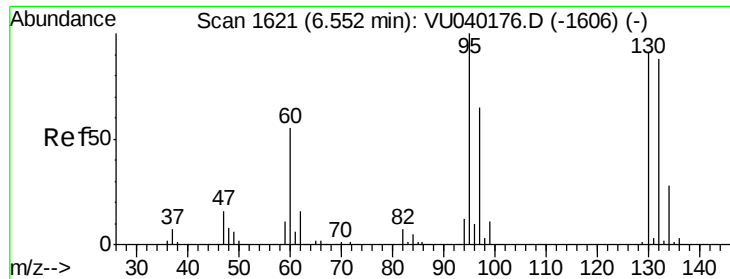
Tot Ion:117 Resp: 82764
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 5.327 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Tgt Ion: 78 Resp: 222459





#34

Trichloroethene

Concen: 5.232 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

Tot Ion: 95 Resp: 58611

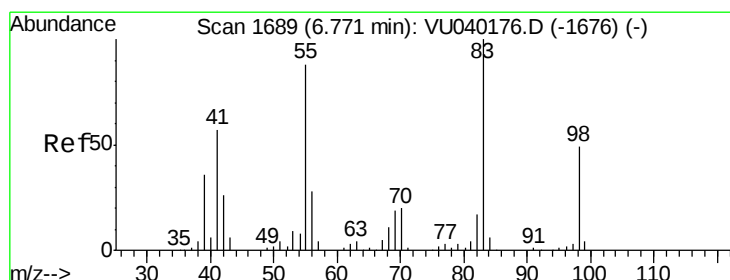
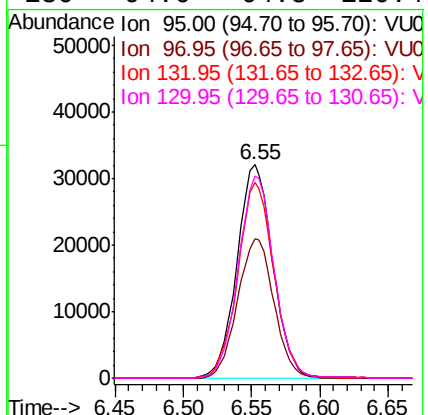
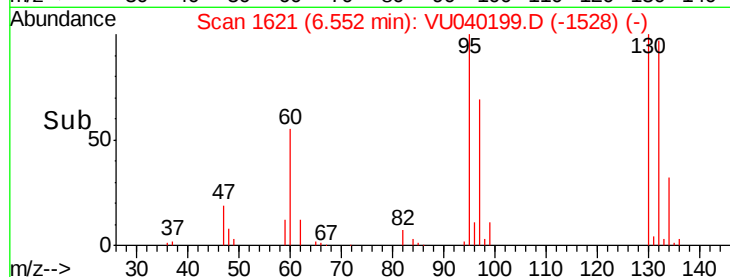
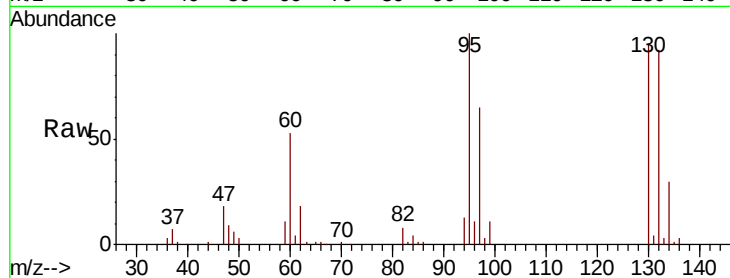
Ion Ratio Lower Upper

95 100

97 65.1 43.3 80.5

132 91.9 59.4 110.4

130 94.6 64.8 120.4



#35

Methylcyclohexane

Concen: 4.903 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

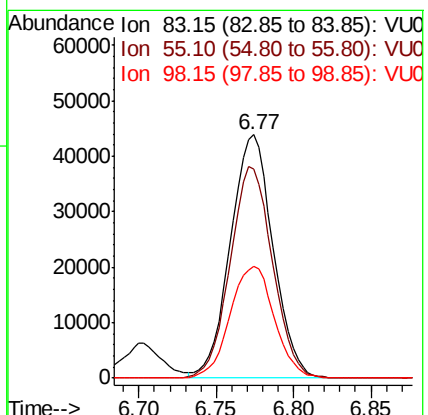
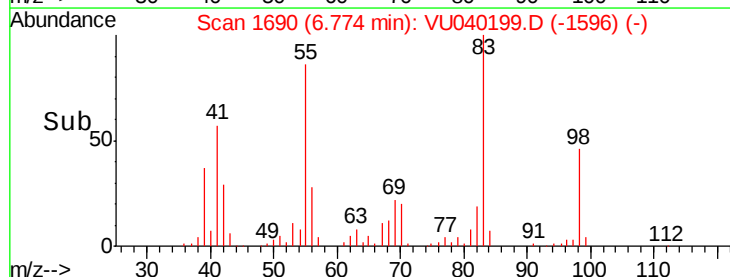
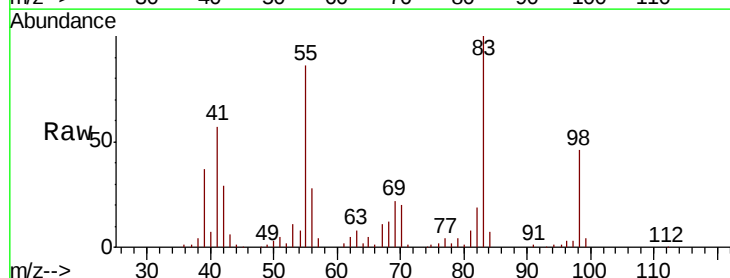
Tgt Ion: 83 Resp: 84094

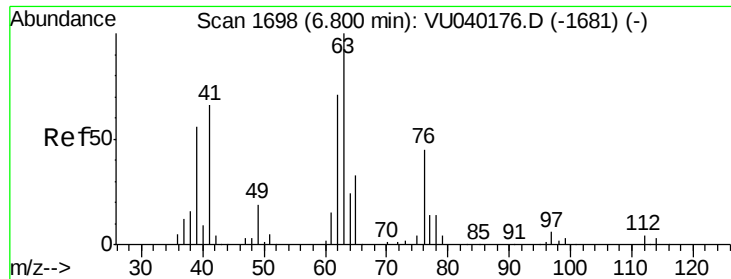
Ion Ratio Lower Upper

83 100

55 86.3 70.5 105.7

98 47.6 37.8 56.6

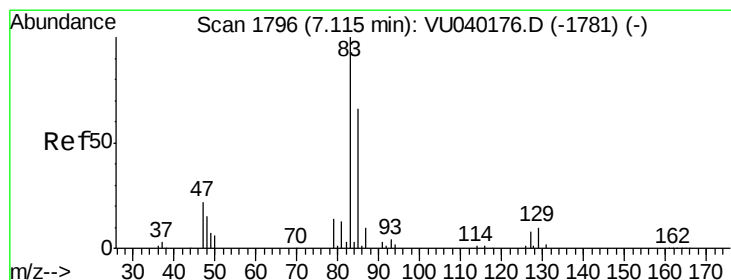
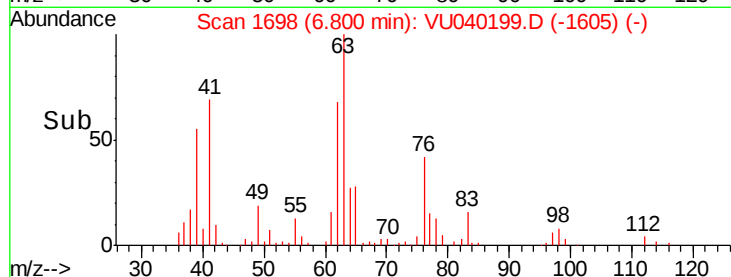
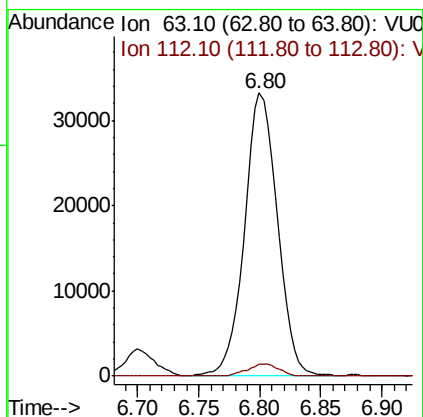
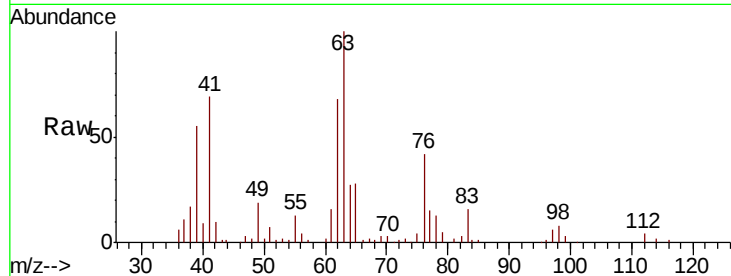




#37
 1,2-Dichloropropane
 Concen: 5.462 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

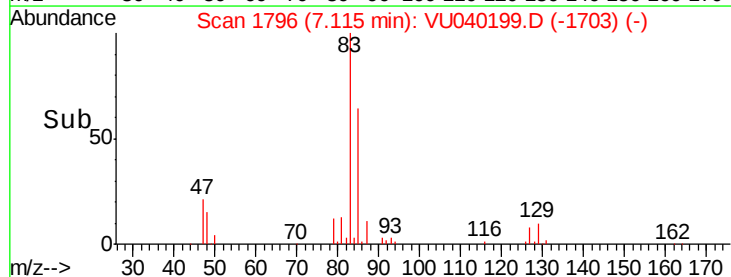
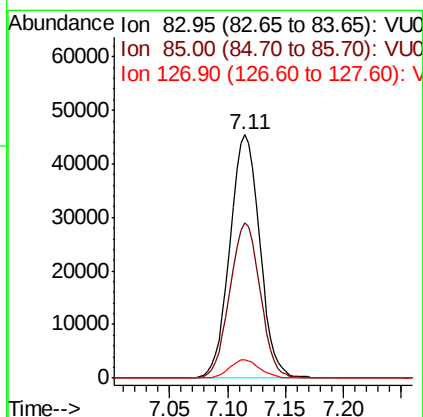
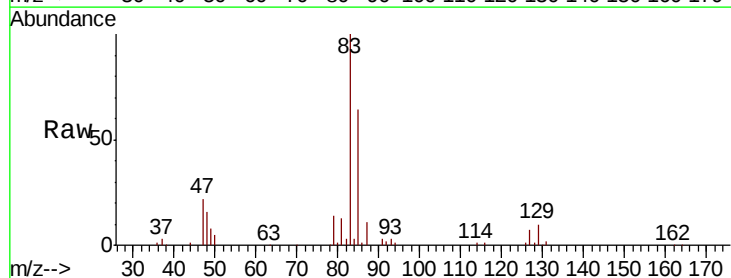
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

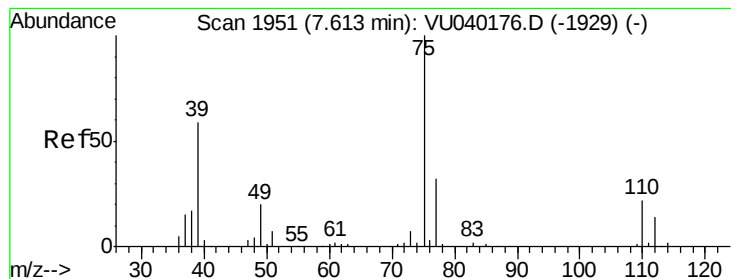
Tot Ion: 63 Resp: 61766
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.252 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Tgt Ion: 83 Resp: 81069
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.1 83.9
 127 7.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.987 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampled :

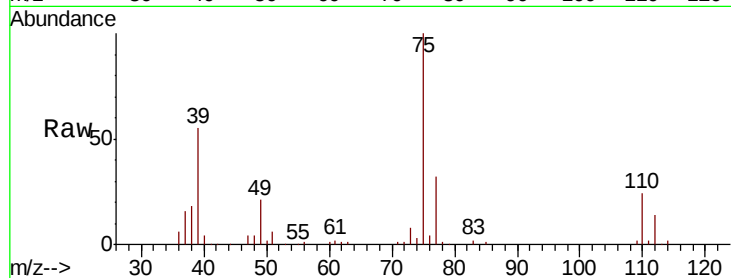
VSTD00513

Tot Ion: 75 Resp: 83170

Ion Ratio Lower Upper

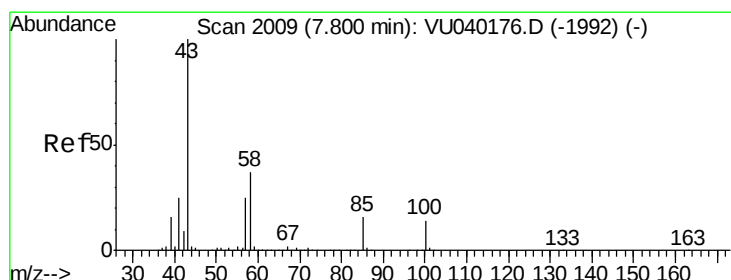
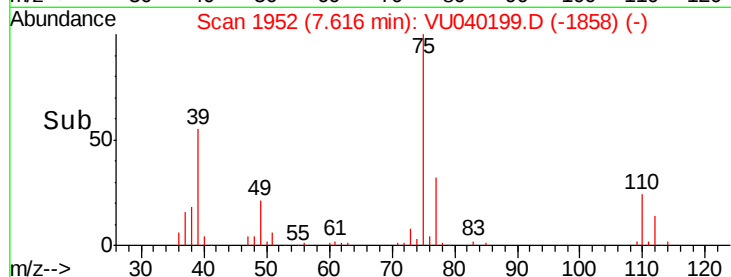
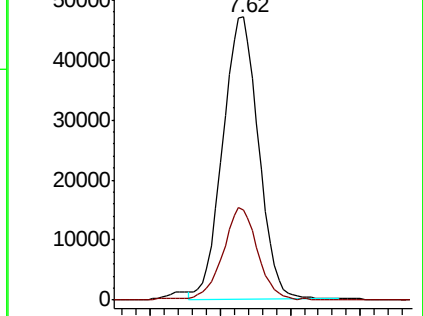
75 100

77 32.0 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 51.263 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

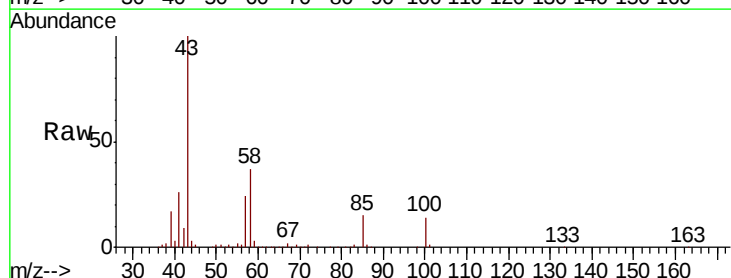
Tgt Ion: 43 Resp: 475591

Ion Ratio Lower Upper

43 100

58 36.6 28.7 43.1

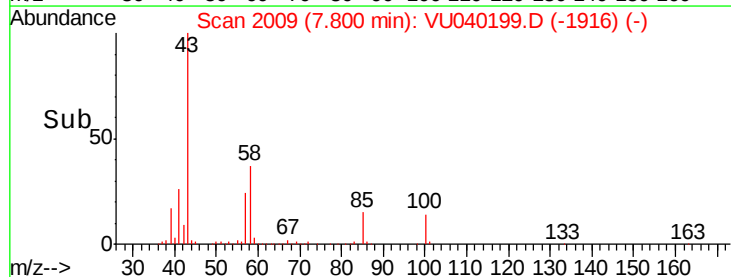
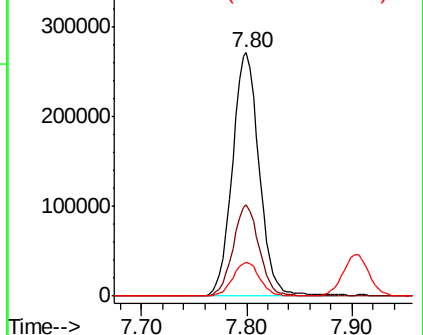
100 13.9 10.2 15.2

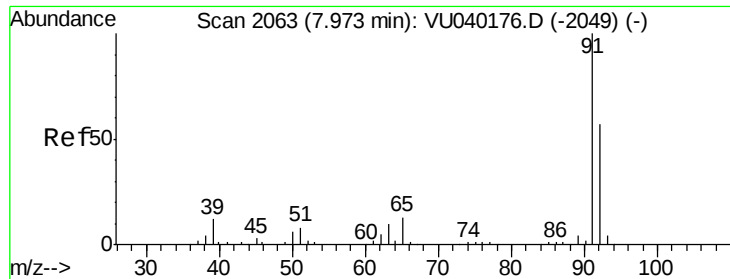


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.563 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

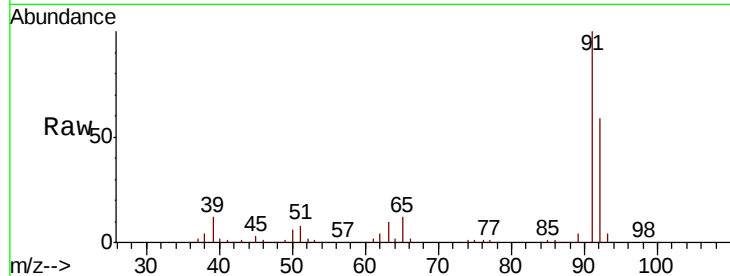
VSTD00513

Tot Ion: 91 Resp: 239243

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040176.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040176.D (-2049) (-)

7.98

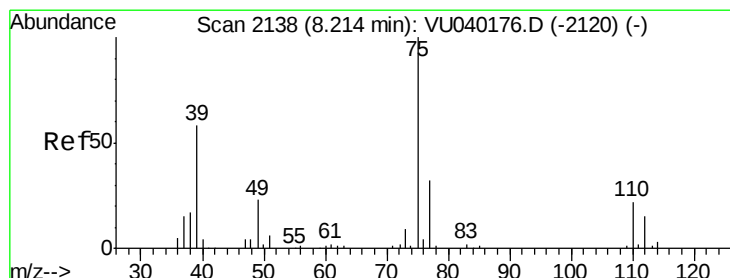
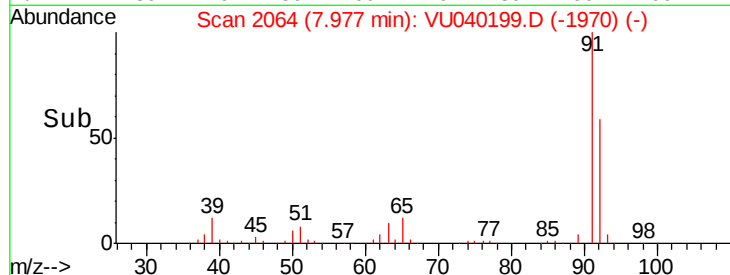
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.165 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040199.D

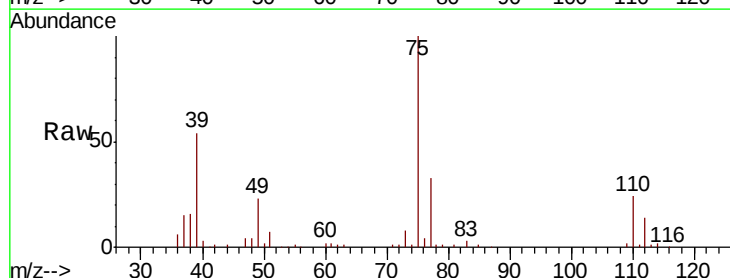
Acq: 18 Sep 2020 09:38

Tgt Ion: 75 Resp: 79809

Ion Ratio Lower Upper

75 100

77 33.1 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040176.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040176.D (-2120) (-)

8.21

50000

40000

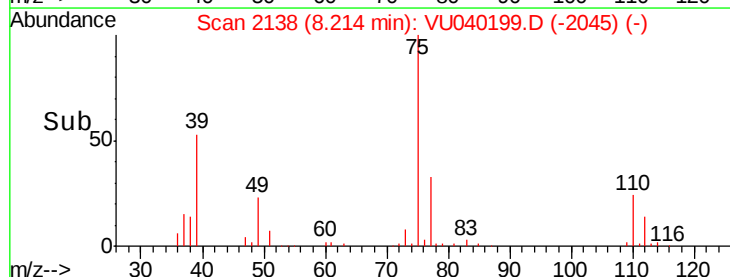
30000

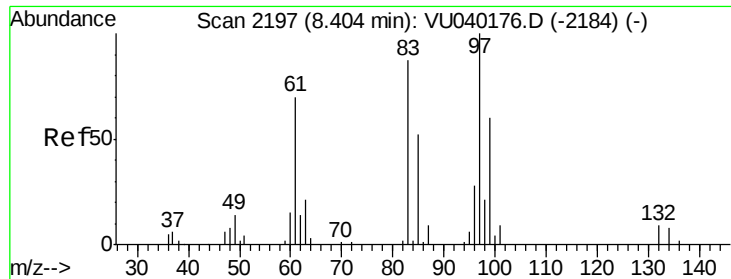
20000

10000

0

Time-->

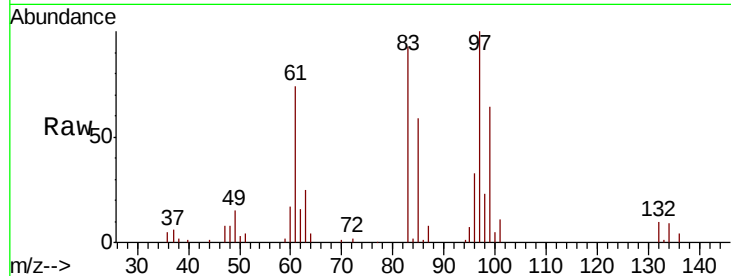




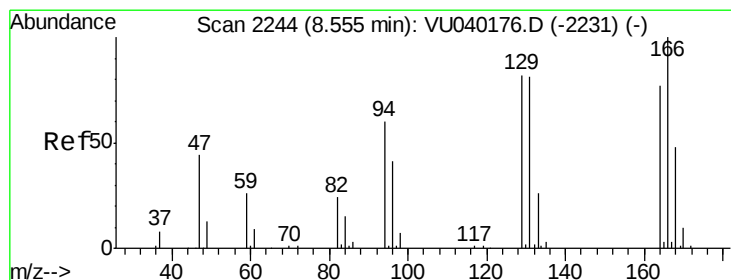
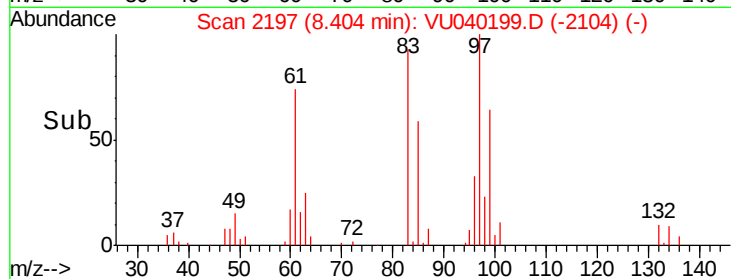
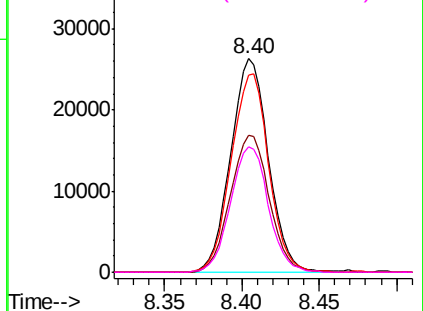
#45
 1,1,2-Trichloroethane
 Concen: 5.409 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:	97	Resp:	44555
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.0	79.8
83	92.6	61.7	114.7
85	58.5	39.3	73.1

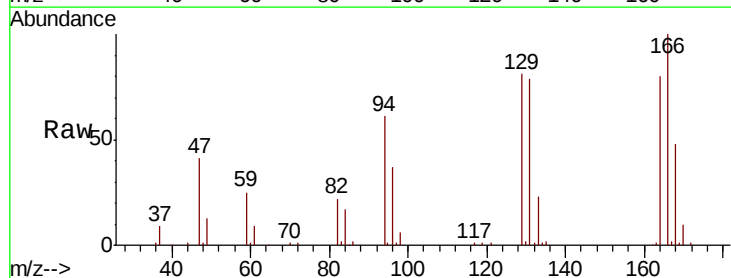


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

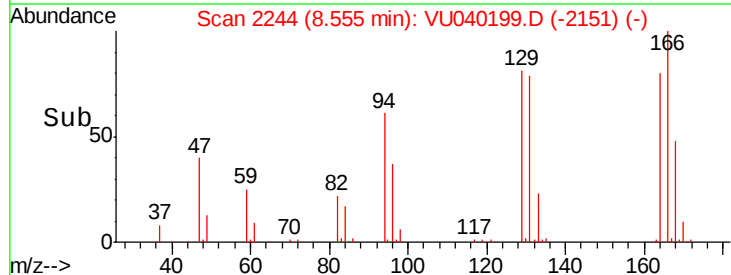
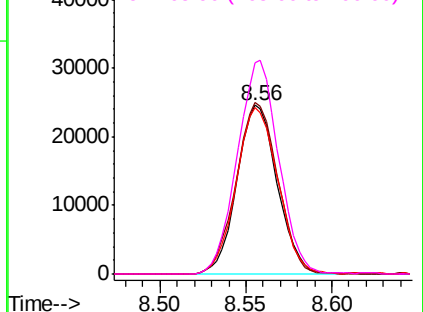


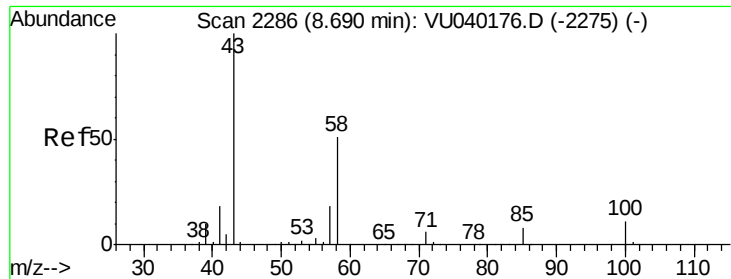
#47
 Tetrachloroethene
 Concen: 5.445 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Tgt Ion:	164	Resp:	40066
Ion	Ratio	Lower	Upper
164	100		
129	101.6	71.5	132.7
131	98.9	65.9	122.5
166	125.2	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

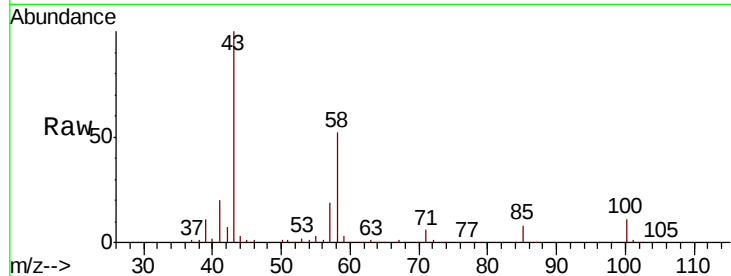




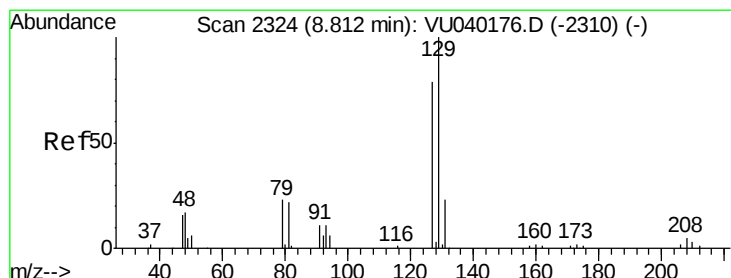
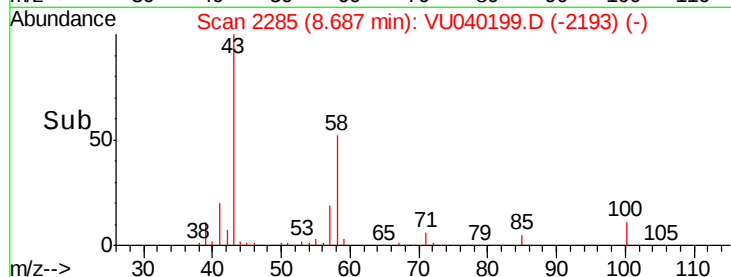
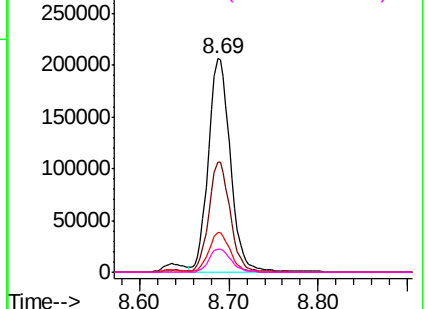
#48
2-Hexanone
Concen: 52.428 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 43 Resp: 354795
Ion Ratio Lower Upper
43 100
58 49.3 39.6 59.4
57 17.9 14.3 21.5
100 10.9 8.0 12.0

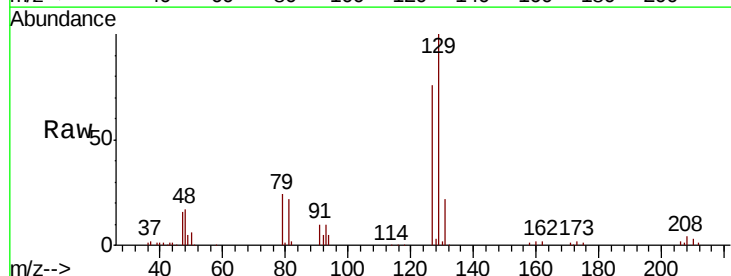


Abundance Ion 43.05 (42.75 to 43.75): VU040176.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040176.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040176.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040176.D (-2275) (-)

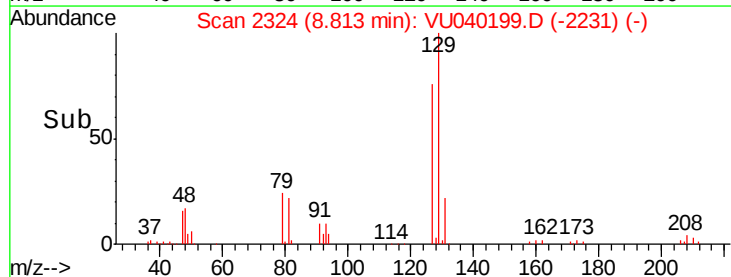
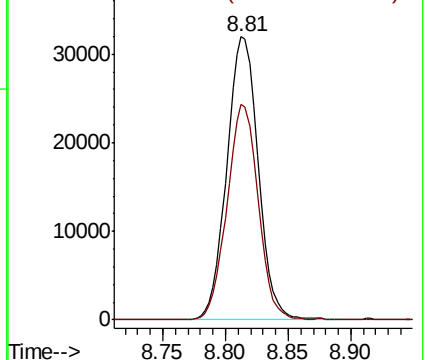


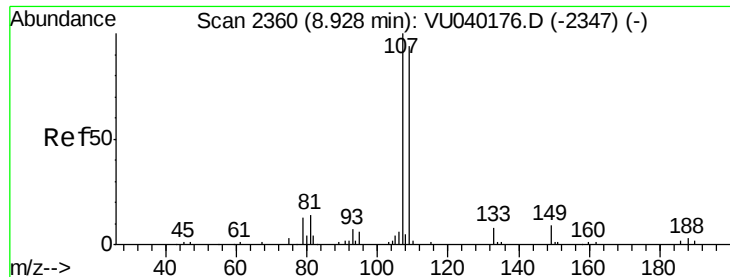
#49
Dibromochloromethane
Concen: 5.627 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Tgt Ion: 129 Resp: 55631
Ion Ratio Lower Upper
129 100
127 76.1 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040176.D (-2310) (-)
Ion 126.90 (126.60 to 127.60): VU040176.D (-2310) (-)

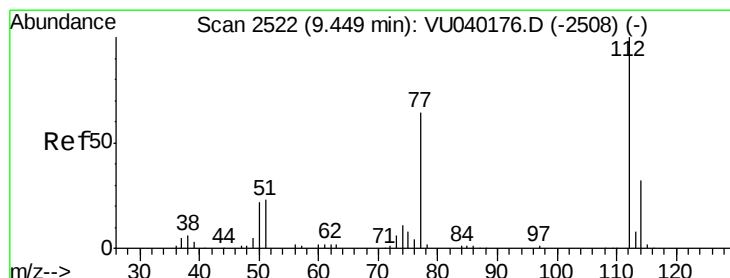
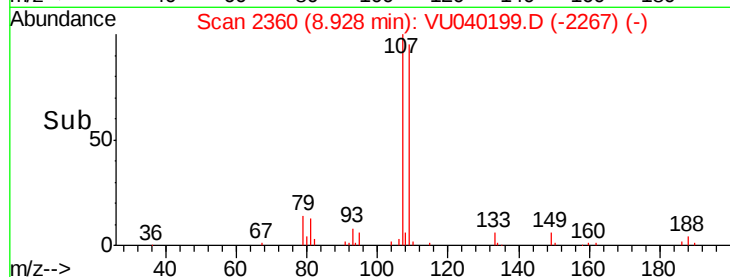
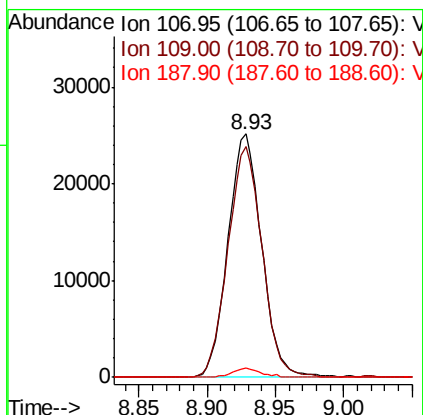
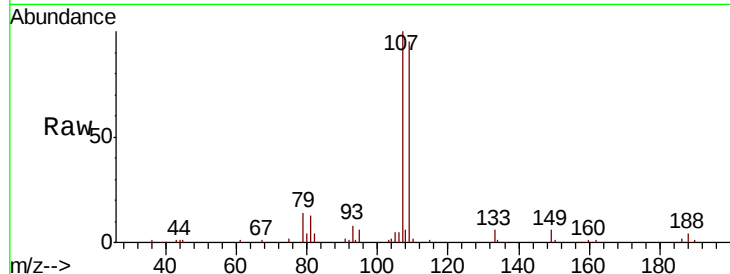




#50
 1,2-Dibromoethane
 Concen: 5.445 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

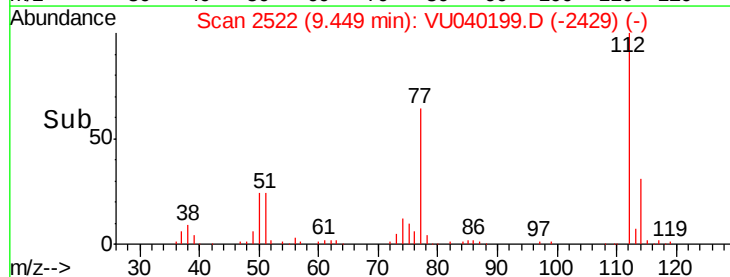
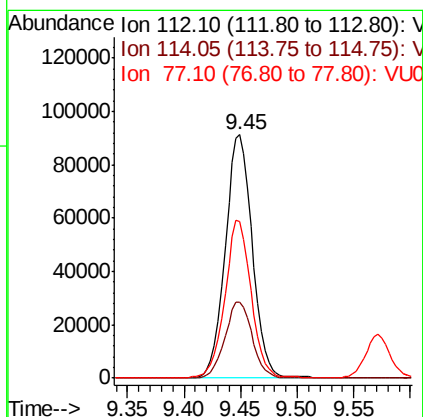
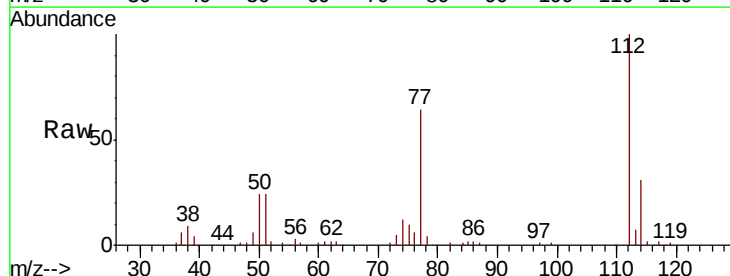
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

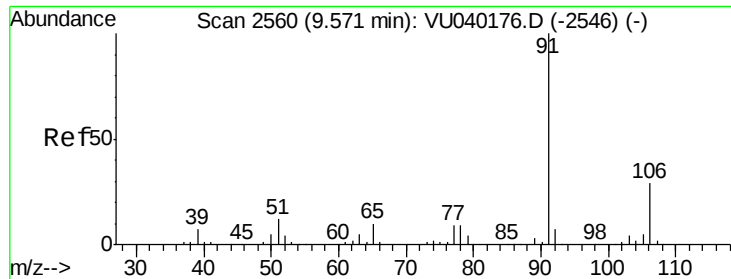
Tot Ion:107 Resp: 43242
 Ion Ratio Lower Upper
 107 100
 109 94.9 62.4 115.8
 188 3.7 2.3 3.5#



#51
 Chlorobenzene
 Concen: 5.682 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Tgt Ion:112 Resp: 151715
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.7 42.3
 77 64.1 53.2 79.8





#52

Ethylbenzene

Concen: 5.274 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

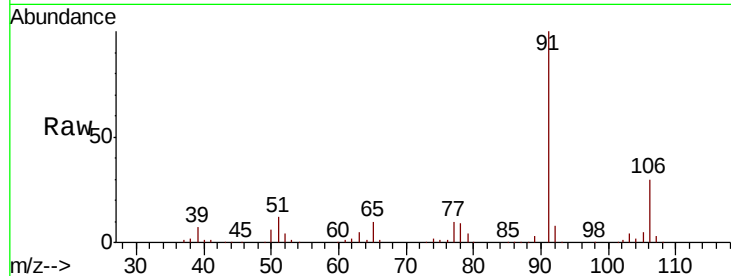
VSTD00513

Tot Ion: 91 Resp: 257716

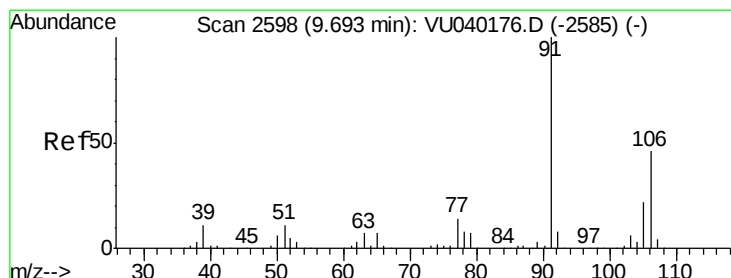
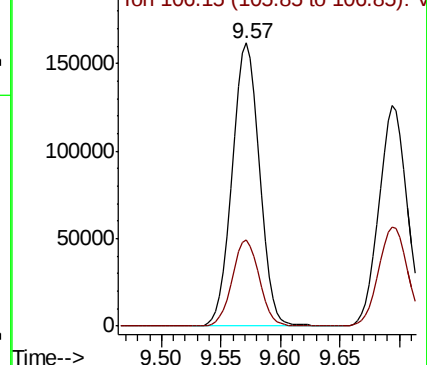
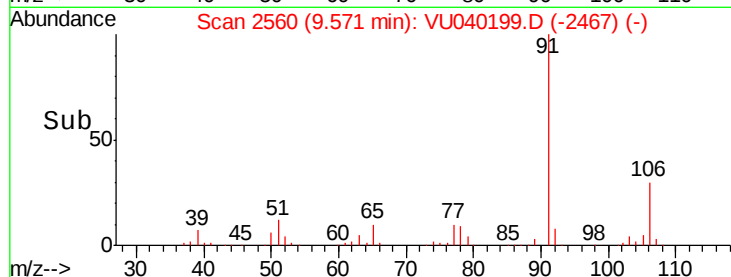
Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040199.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.541 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040199.D

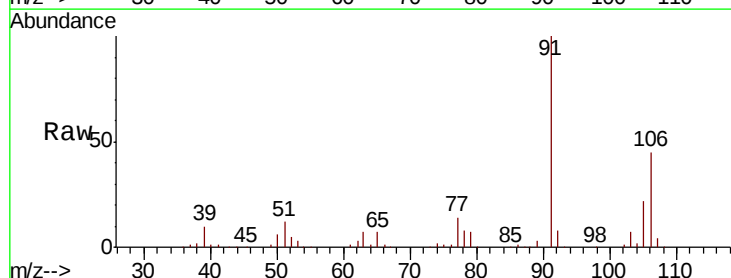
Acq: 18 Sep 2020 09:38

Tgt Ion: 106 Resp: 96400

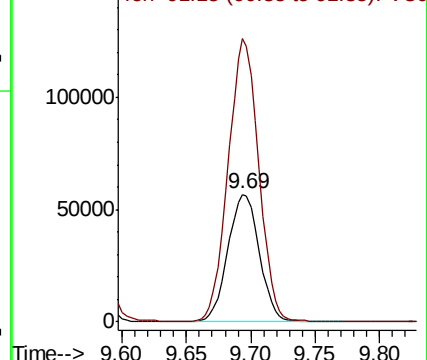
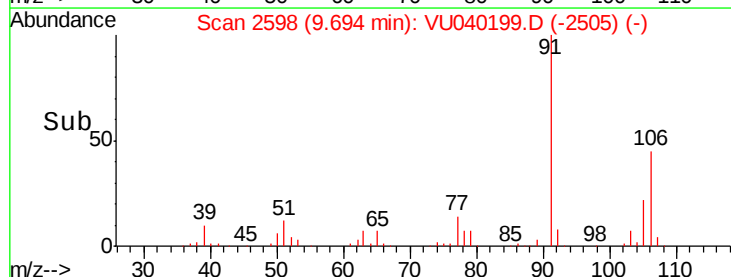
Ion Ratio Lower Upper

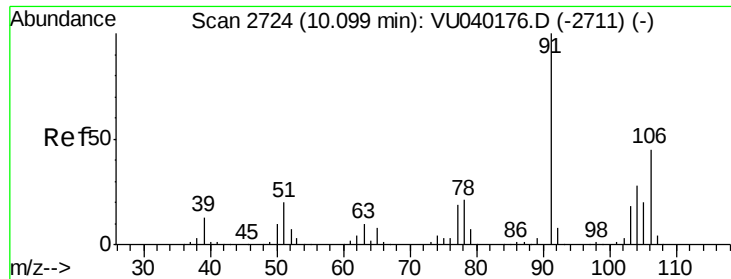
106 100

91 221.4 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040199.D (-2505) (-)

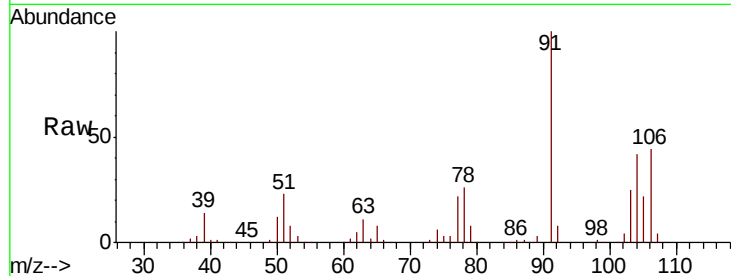




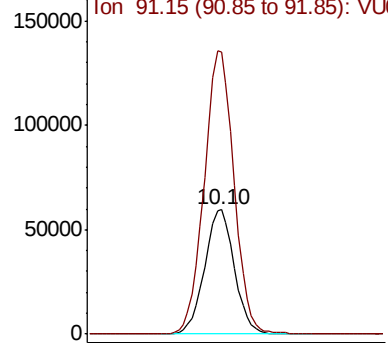
#54
o-Xylene
Concen: 5.584 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

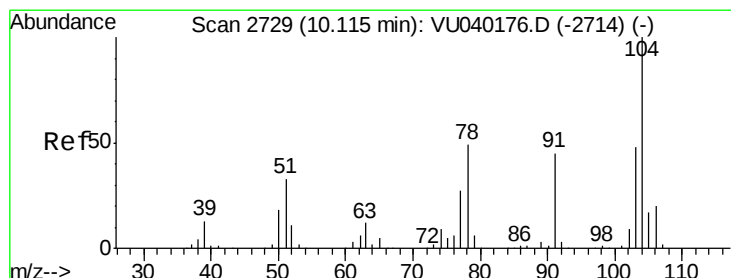
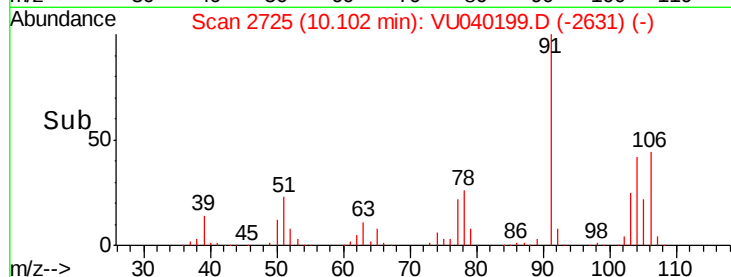
Tot Ion:106 Resp: 92567
Ion Ratio Lower Upper
106 100
91 226.7 160.8 298.6



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

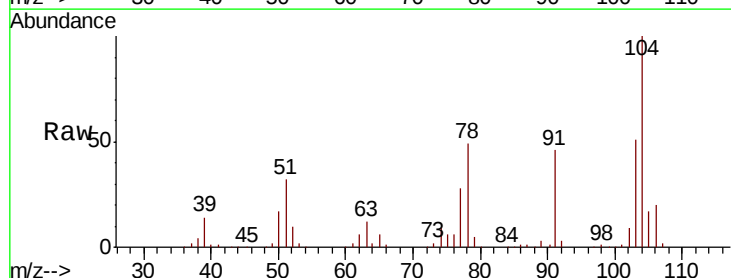


Time-->

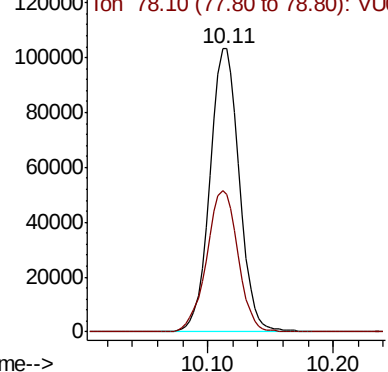


#55
Styrene
Concen: 5.825 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040199.D
Acq: 18 Sep 2020 09:38

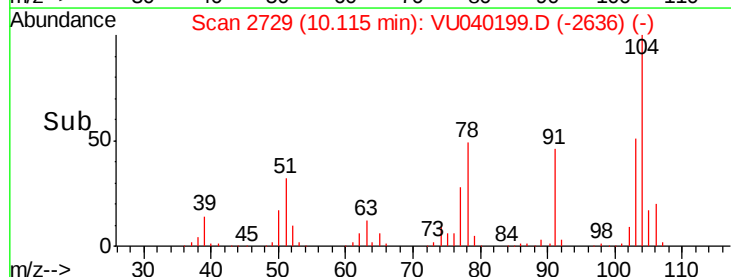
Tgt Ion:104 Resp: 167931
Ion Ratio Lower Upper
104 100
78 48.6 36.8 68.3

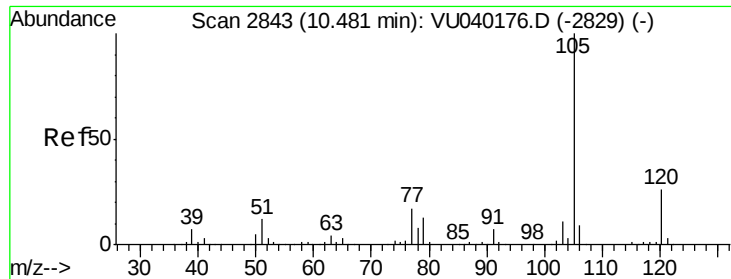


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.575 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

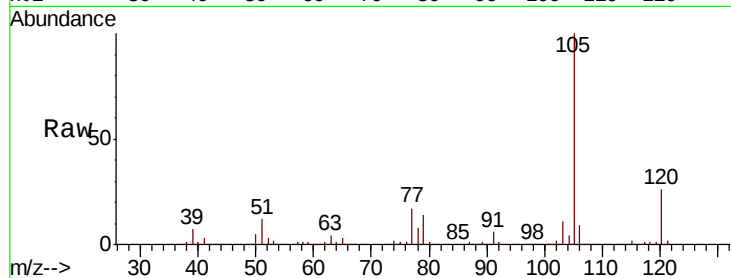
Tot Ion:105 Resp: 252058

Ion Ratio Lower Upper

105 100

120 26.1 20.1 30.1

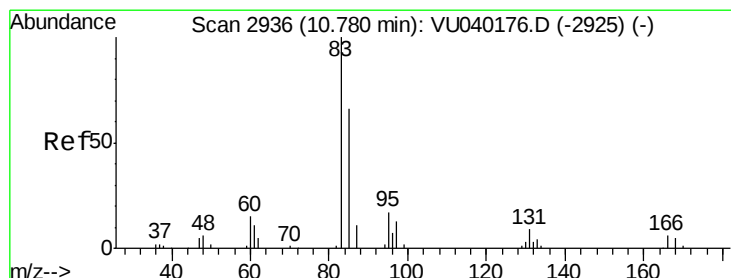
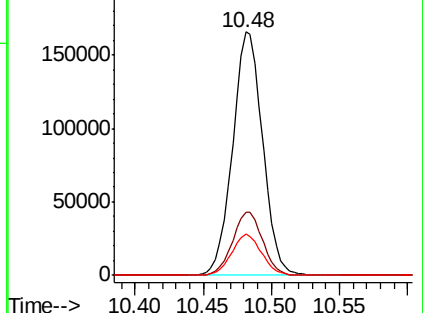
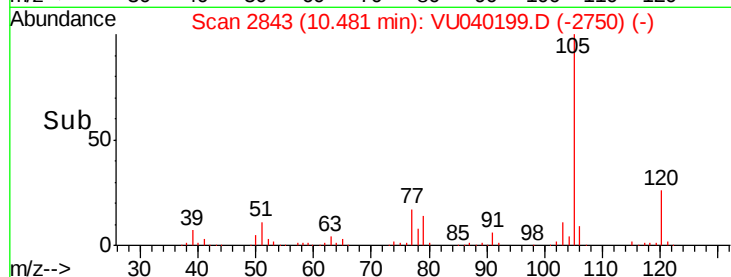
77 17.0 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.601 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

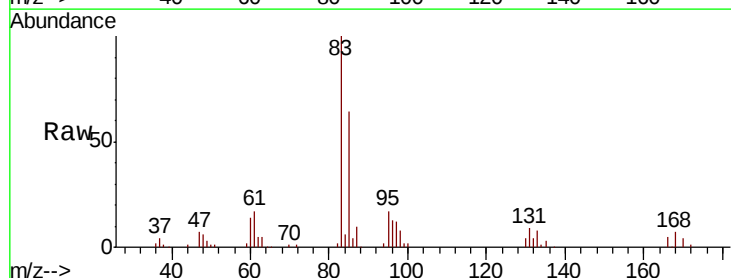
Tgt Ion: 83 Resp: 59158

Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.3

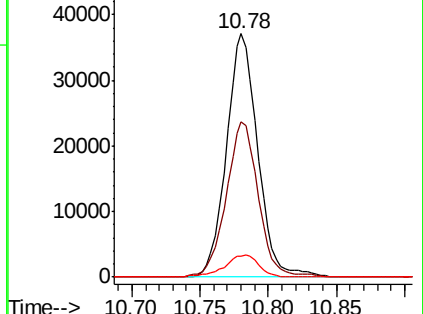
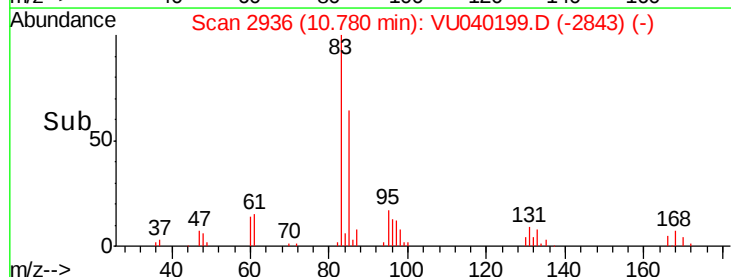
131 8.8 7.4 11.0

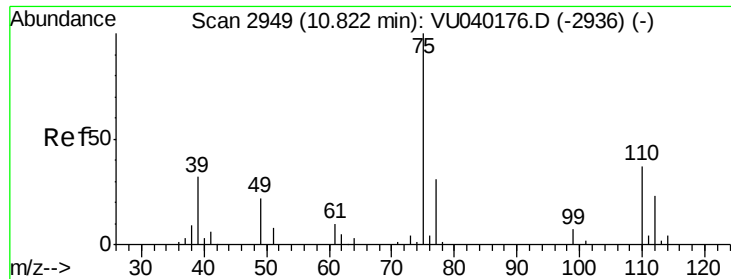


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.246 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

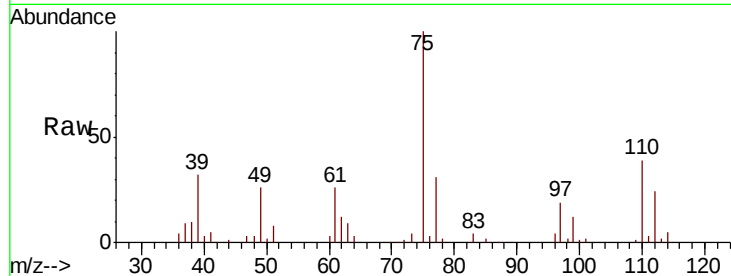
VSTD00513

Tot Ion: 75 Resp: 43950

Ion Ratio Lower Upper

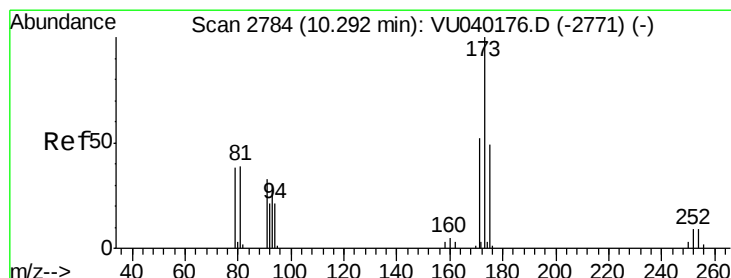
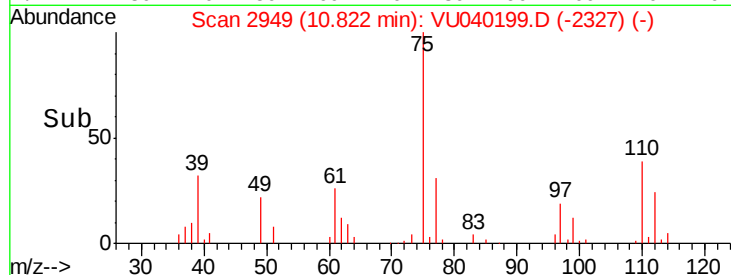
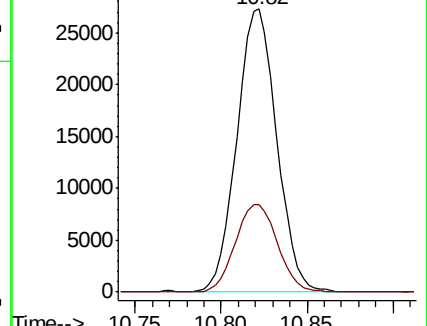
75 100

77 32.6 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040176.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040176.D (-2936) (-)



#61

Bromoform

Concen: 5.174 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

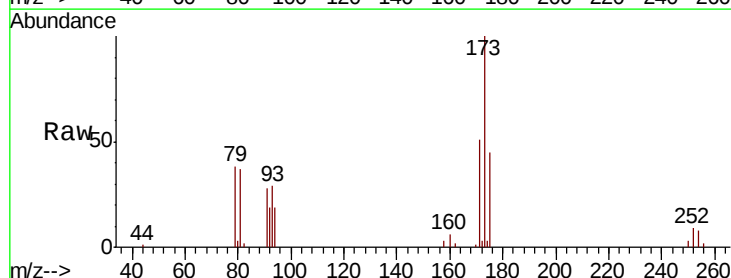
Tgt Ion: 173 Resp: 28498

Ion Ratio Lower Upper

173 100

175 47.8 37.8 56.6

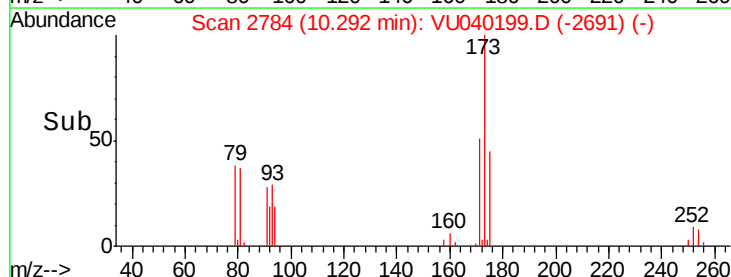
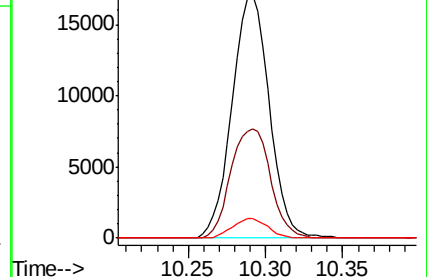
254 7.5 6.8 10.2

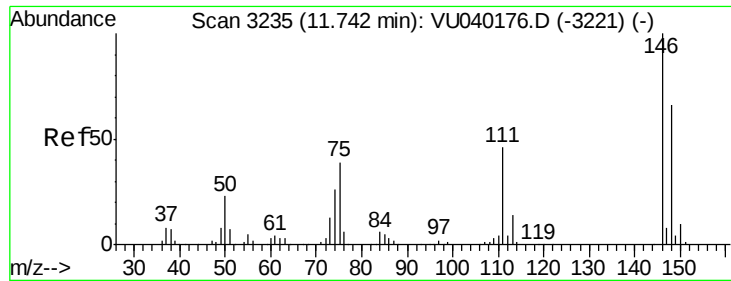


Abundance Ion 172.90 (172.60 to 173.60): VU040176.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040176.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040176.D (-2771) (-)

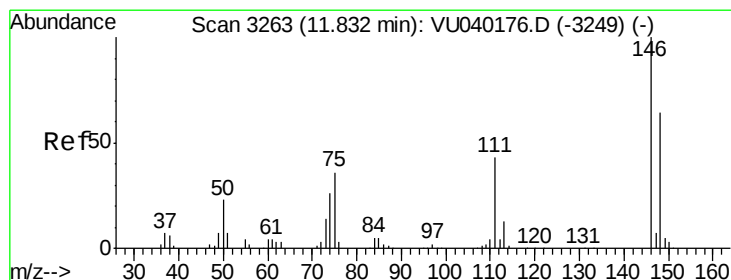
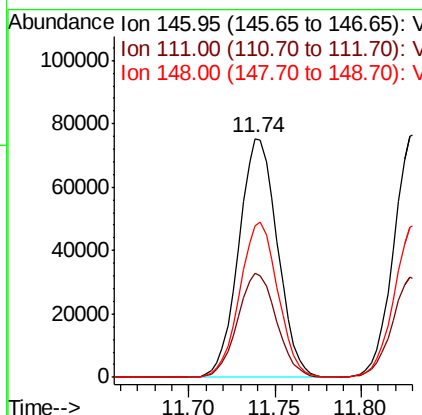
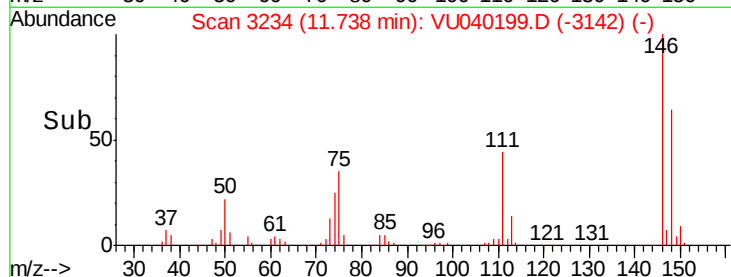
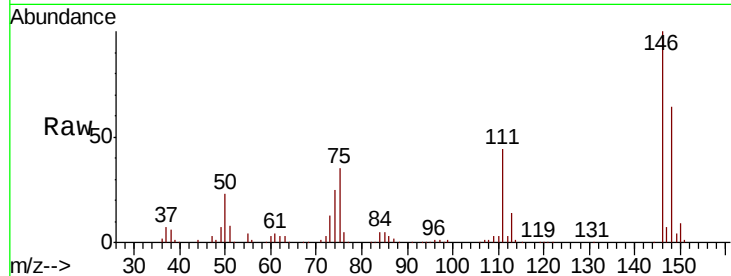




#62
 1,3-Dichlorobenzene
 Concen: 5.370 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

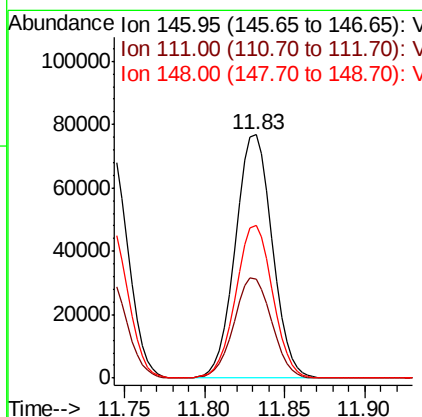
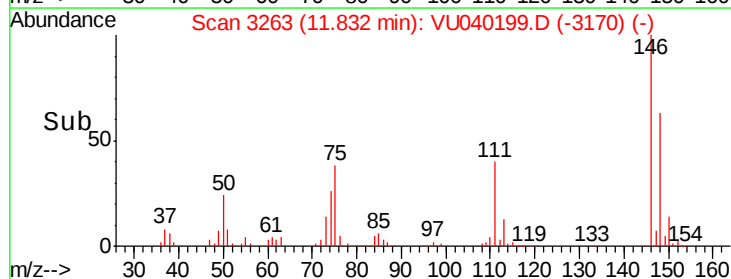
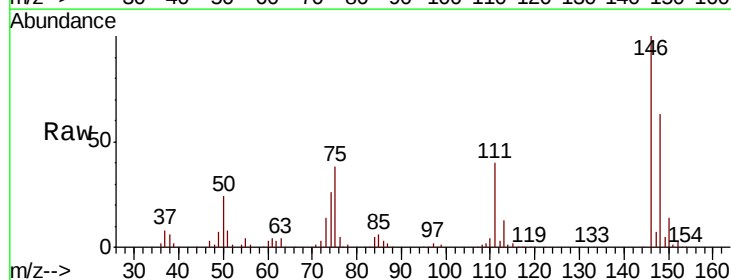
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

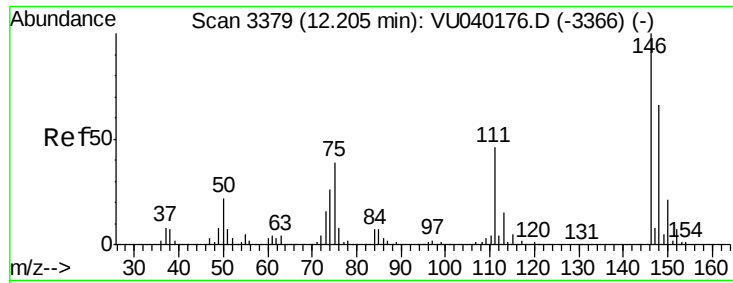
Tot Ion:146 Resp: 117865
 Ion Ratio Lower Upper
 146 100
 111 43.5 31.6 58.8
 148 63.5 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.426 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Tgt Ion:146 Resp: 120517
 Ion Ratio Lower Upper
 146 100
 111 40.5 30.5 56.7
 148 62.7 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 5.267 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

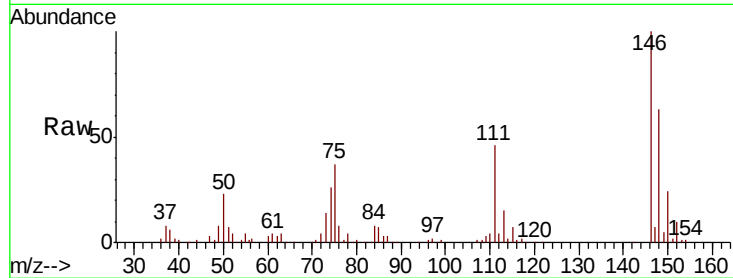
Tot Ion:146 Resp: 111869

Ion Ratio Lower Upper

146 100

111 46.1 36.5 54.7

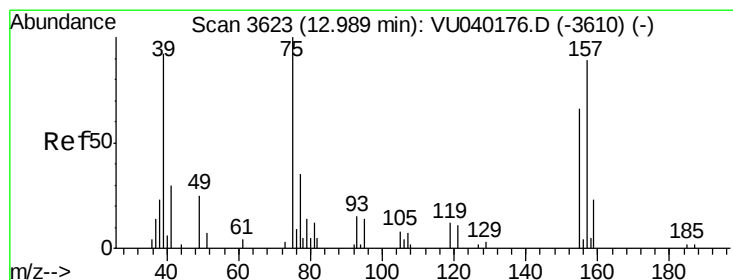
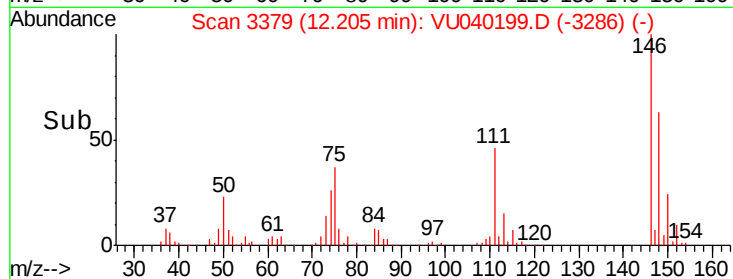
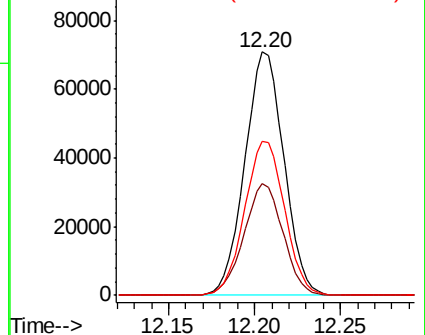
148 63.4 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.683 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

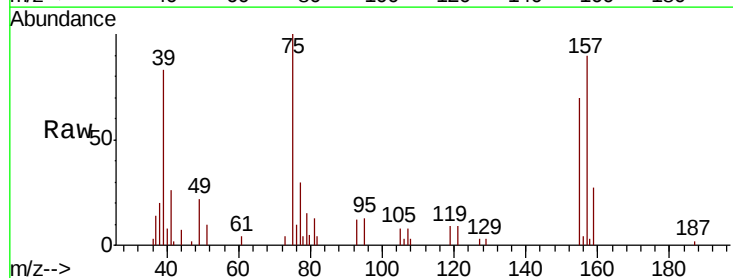
Tgt Ion: 75 Resp: 10638

Ion Ratio Lower Upper

75 100

155 69.7 54.6 82.0

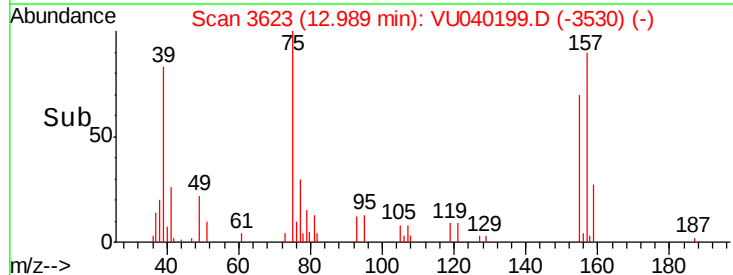
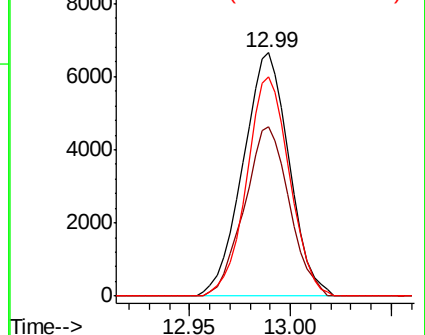
157 90.2 75.6 113.4

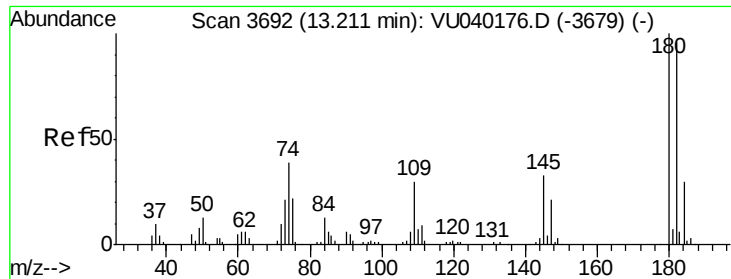


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

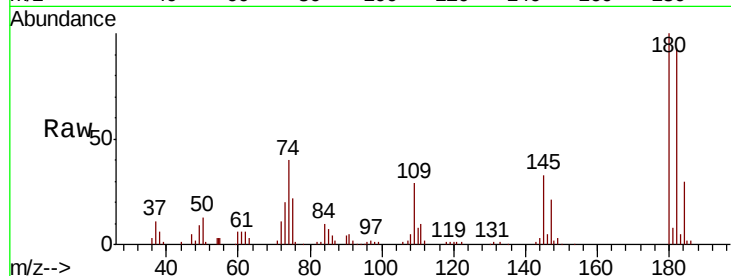




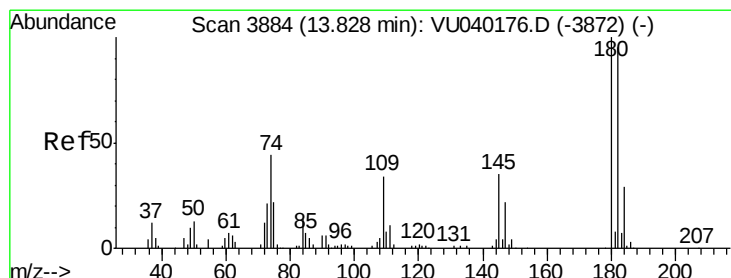
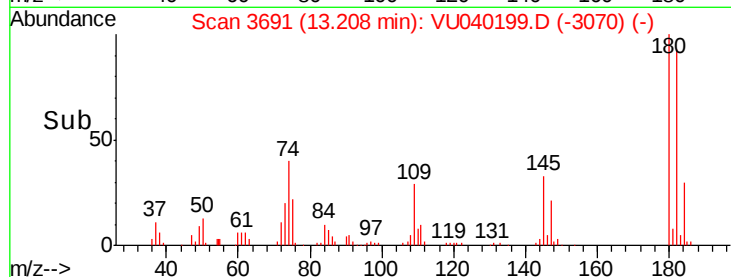
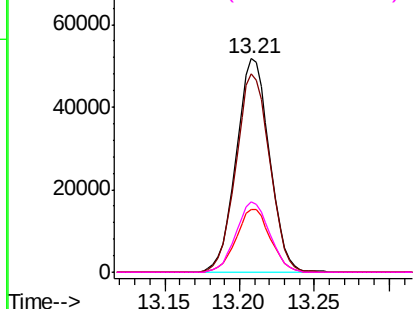
#67
 1,3,5-Trichlorobenzene
 Concen: 5.198 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:180	Resp:	80228
Ion	Ratio	Lower Upper
180	100	
182	94.0	76.9 115.3
184	30.1	24.6 36.8
145	33.3	27.0 40.6

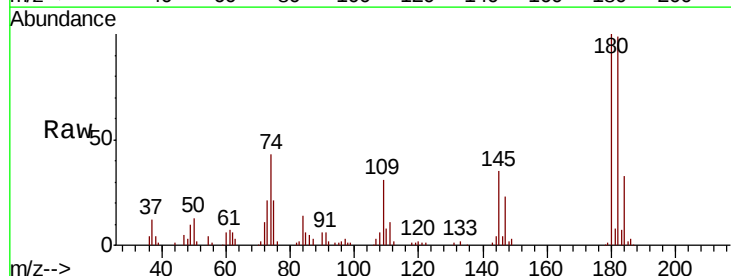


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

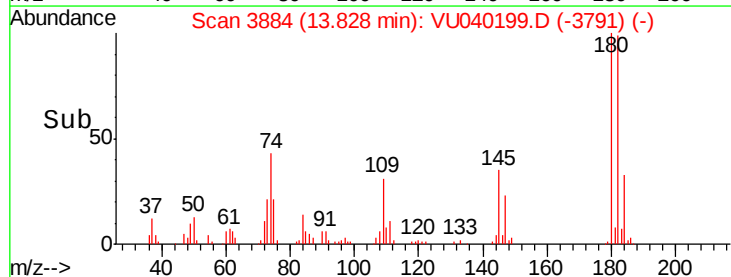
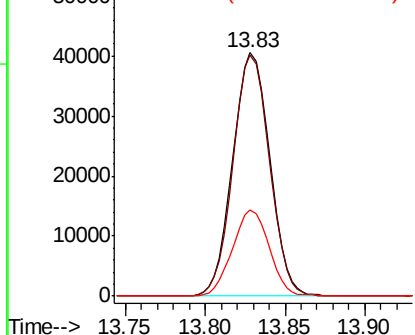


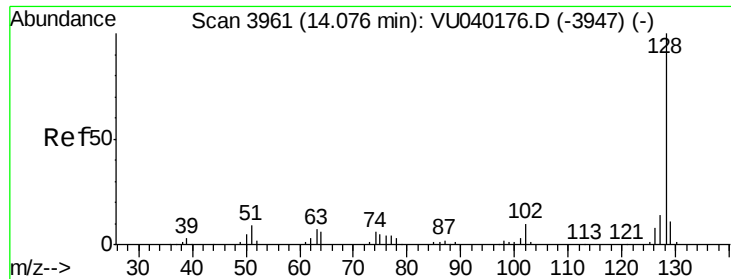
#68
 1,2,4-trichlorobenzene
 Concen: 4.811 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040199.D
 Acq: 18 Sep 2020 09:38

Tgt Ion:180	Resp:	63952
Ion	Ratio	Lower Upper
180	100	
182	97.5	76.0 114.0
145	35.1	28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.248 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

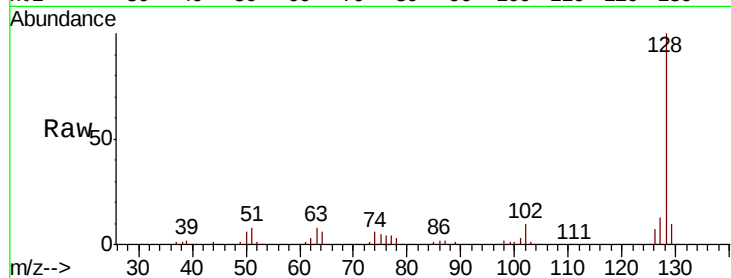
Tot Ion:128 Resp: 117727

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

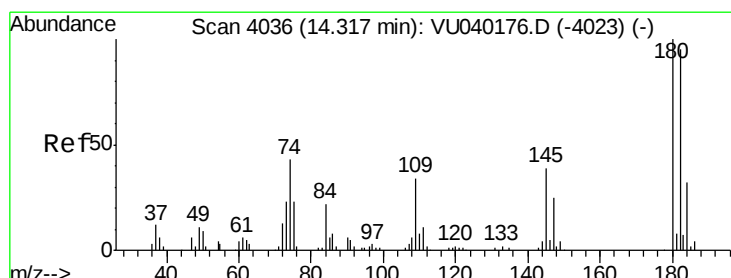
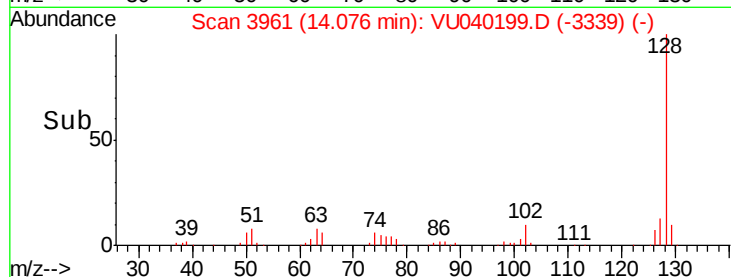
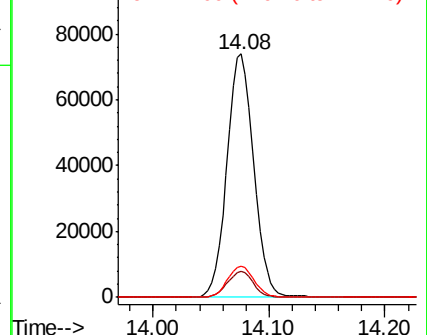
127 12.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.992 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040199.D

Acq: 18 Sep 2020 09:38

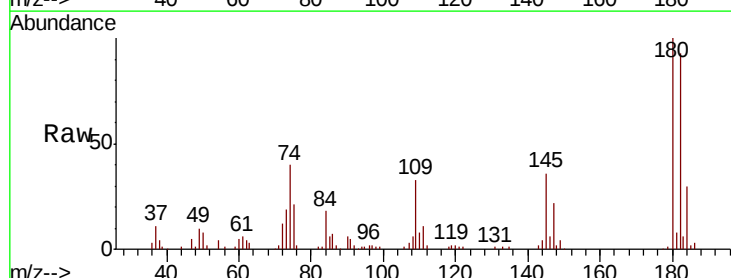
Tgt Ion:180 Resp: 60959

Ion Ratio Lower Upper

180 100

182 90.7 77.8 116.6

145 37.1 28.7 43.1



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

