

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
 Data File : VU039631.D
 Acq On : 23 Jul 2020 11:12
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Quant Time: Jul 23 12:36:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	161969	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	158530	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71985	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	6160	6.70	ug/L	0.00
7) Chloroethane-d5	1.92	69	6486	8.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	12788	6.43	ug/L	0.00
21) 2-Butanone-d5	4.65	46	12986	13.93	ug/L	0.00
24) Chloroform-d	5.08	84	12740	6.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	9666	7.11	ug/L	0.00
32) Benzene-d6	5.74	84	24546	6.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	8154	6.74	ug/L	0.00
41) Toluene-d8	7.91	98	21987	6.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	3769	6.18	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	7586	11.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	11903	6.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	8575	6.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5749	4.636	ug/L 98
3) Chloromethane	1.53	50	6562	5.414	ug/L 97
5) Vinyl chloride	1.61	62	6430	5.064	ug/L 97
6) Bromomethane	1.87	94	4313	6.060	ug/L 98
8) Chloroethane	1.94	64	4624	5.692	ug/L 99
9) Trichlorofluoromethane	2.15	101	10636	5.773	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5436	5.324	ug/L 99
13) Acetone	2.65	43	9849	13.585	ug/L 93
14) Carbon disulfide	2.81	76	15839	4.918	ug/L 96
15) Methyl Acetate	2.96	43	7650	5.203	ug/L 93
16) Methylene chloride	3.06	84	6255	5.278	ug/L 89
17) trans-1,2-Dichloroethene	3.37	96	5387	4.893	ug/L 91
18) Methyl tert-butyl Ether	3.38	73	16383	4.594	ug/L 96
19) 1,1-Dichloroethane	3.89	63	10715	5.084	ug/L 97
20) cis-1,2-Dichloroethene	4.69	96	6528	5.321	ug/L 89
22) 2-Butanone	4.73	43	11916	10.774	ug/L # 70
23) Bromochloromethane	5.00	128	3042	4.987	ug/L # 89
25) Chloroform	5.11	83	12128	5.644	ug/L 99
27) 1,2-Dichloroethane	5.81	62	10420	5.901	ug/L 98
29) Cyclohexane	5.40	56	8390	4.677	ug/L # 92
30) 1,1,1-Trichloroethane	5.33	97	10224	5.460	ug/L # 81
31) Carbon tetrachloride	5.54	117	7775	4.979	ug/L 91
33) Benzene	5.79	78	22380	4.822	ug/L 100
34) Trichloroethene	6.55	95	5848	4.897	ug/L 96
35) Methylcyclohexane	6.77	83	8938	4.963	ug/L 99
37) 1,2-Dichloropropane	6.80	63	6610	5.440	ug/L # 94
38) Bromodichloromethane	7.11	83	7980	5.074	ug/L 94
39) cis-1,3-Dichloropropene	7.62	75	8748	4.672	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	20938	10.704	ug/L 99
42) Toluene	7.98	91	24303	4.961	ug/L 95

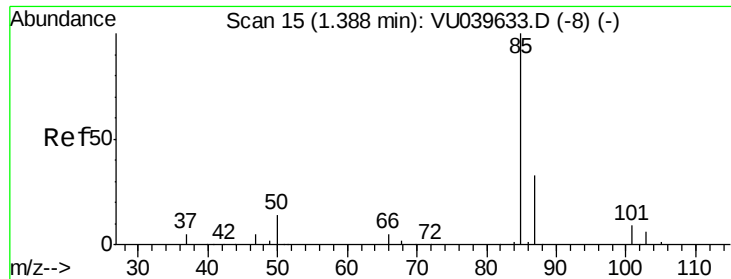
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
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 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.22	75	8164	4.526	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	5670	4.852	ug/L	95
46) Tetrachloroethene	8.56	164	4407	5.129	ug/L	87
48) 2-Hexanone	8.69	43	16004	9.889	ug/L	99
49) Dibromochloromethane	8.82	129	6131	5.010	ug/L	97
50) 1,2-Dibromoethane	8.93	107	6181	4.881	ug/L	99
51) Chlorobenzene	9.45	112	15097	4.812	ug/L	95
52) Ethylbenzene	9.57	91	25040	4.629	ug/L	99
53) m,p-Xylene	9.70	106	9358	4.531	ug/L	90
54) o-xylene	10.10	106	8635	4.298	ug/L	99
55) Styrene	10.12	104	14263	4.098	ug/L	96
56) Isopropylbenzene	10.49	105	23398	4.439	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	10365	5.127	ug/L	90
59) 1,2,3-Trichloropropane	10.82	75	8776	5.115	ug/L	100
61) Bromoform	10.29	173	3923	4.879	ug/L #	89
62) 1,3-Dichlorobenzene	11.74	146	11393	5.136	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	11288	5.038	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	11622	5.243	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	2212	4.769	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	7575	4.740	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	5405	3.621	ug/L	96
69) Naphthalene	14.08	128	13896	2.719	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	5977	4.034	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.636 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

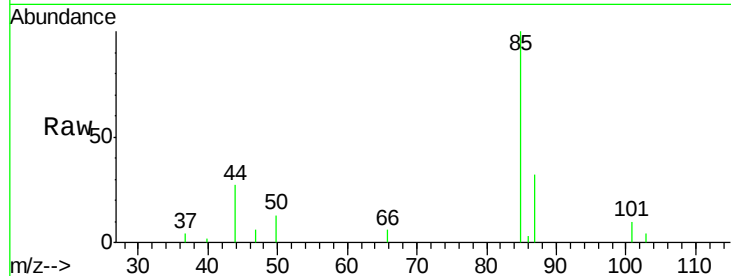
VSTD00536

Tgt Ion: 85 Resp: 5749

Ion Ratio Lower Upper

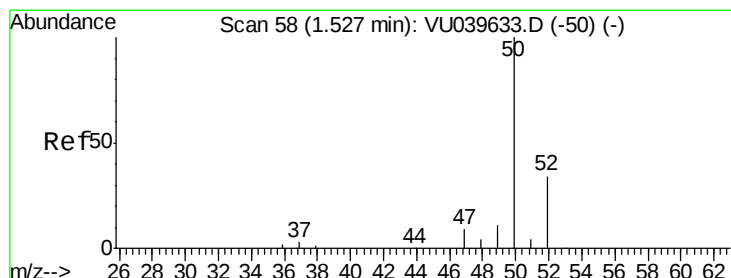
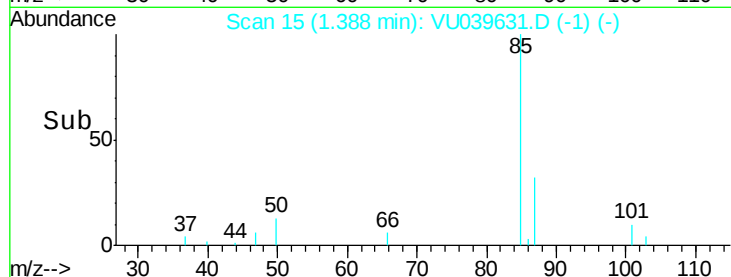
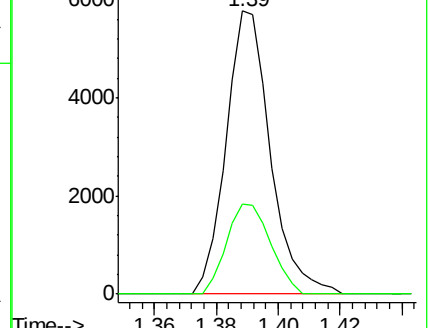
85 100

87 31.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039631.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039631.D (-8) (-)



#3

Chloromethane

Concen: 5.414 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039631.D

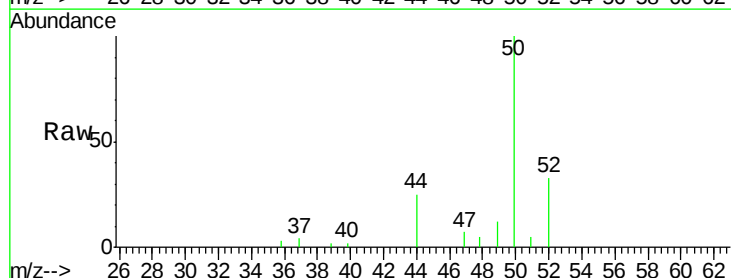
Acq: 23 Jul 2020 11:12

Tgt Ion: 50 Resp: 6562

Ion Ratio Lower Upper

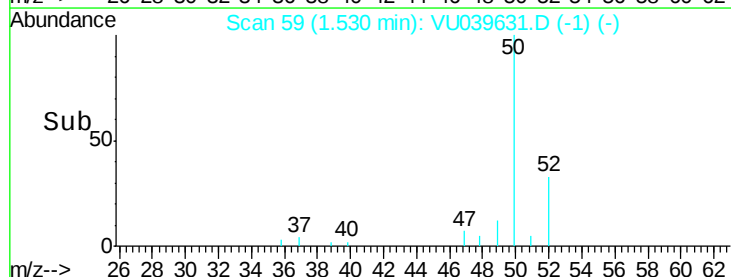
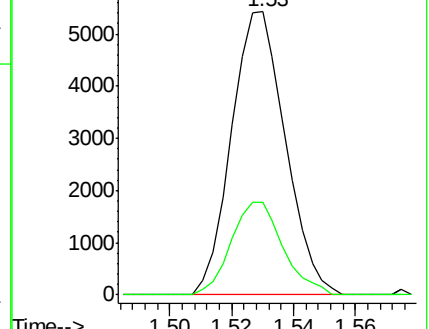
50 100

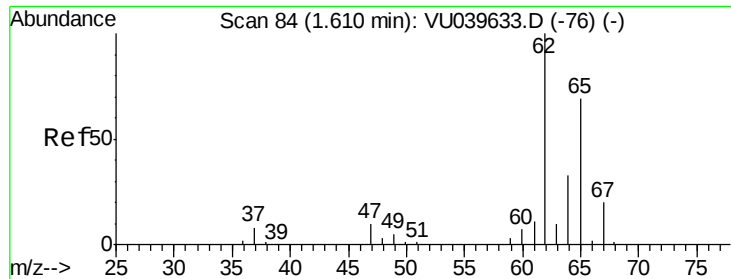
52 32.5 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039631.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039631.D (-50) (-)





#5

Vinyl chloride

Concen: 5.064 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

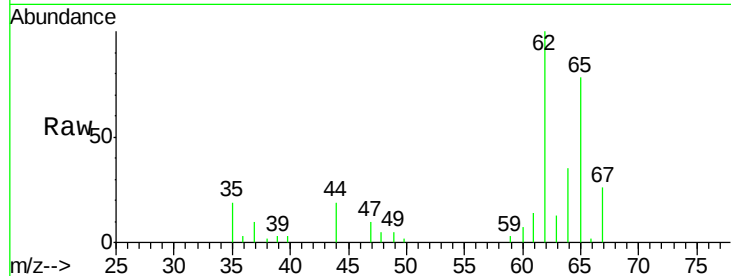
VSTD00536

Tgt Ion: 62 Resp: 6430

Ion Ratio Lower Upper

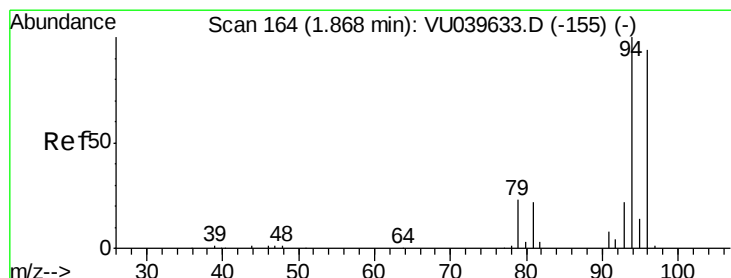
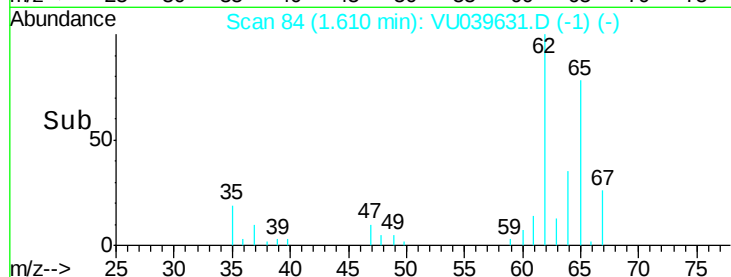
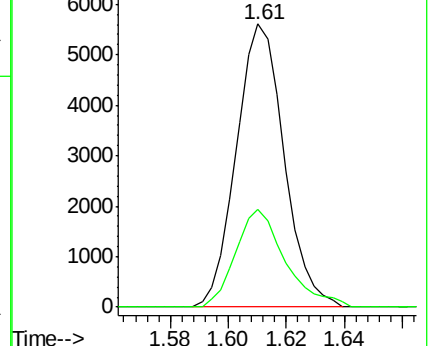
62 100

64 34.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039631.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU039631.D (-76) (-)



#6

Bromomethane

Concen: 6.060 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039631.D

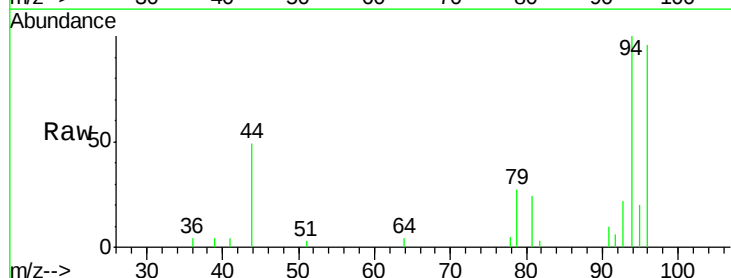
Acq: 23 Jul 2020 11:12

Tgt Ion: 94 Resp: 4313

Ion Ratio Lower Upper

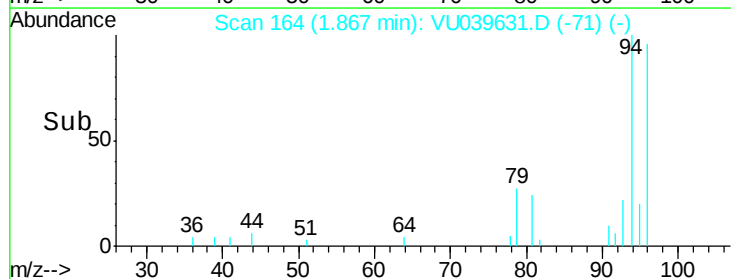
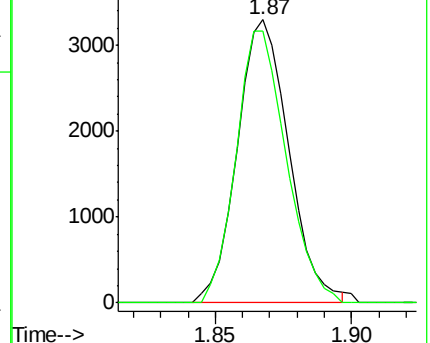
94 100

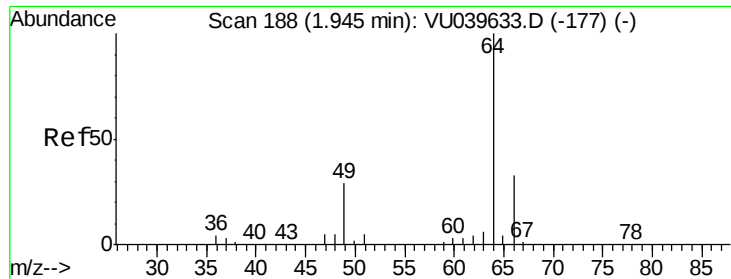
96 96.0 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039631.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039631.D (-155) (-)

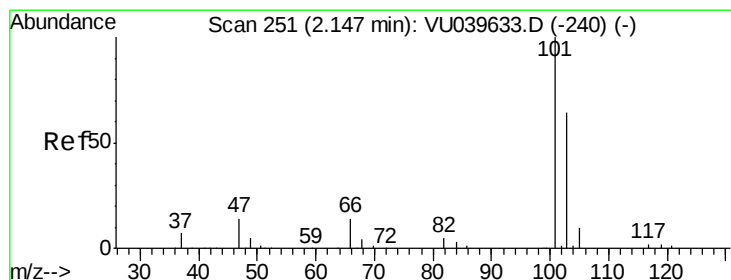
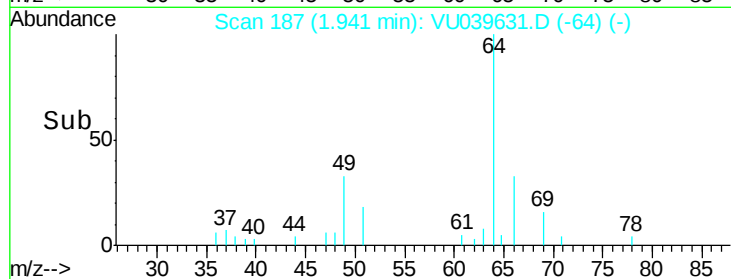
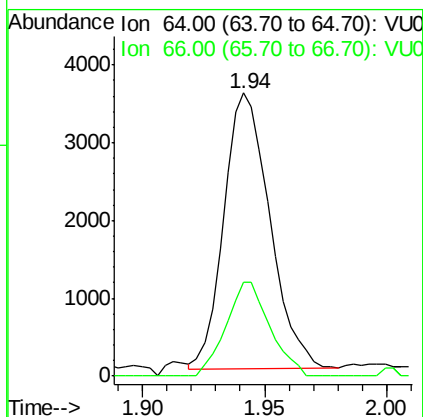
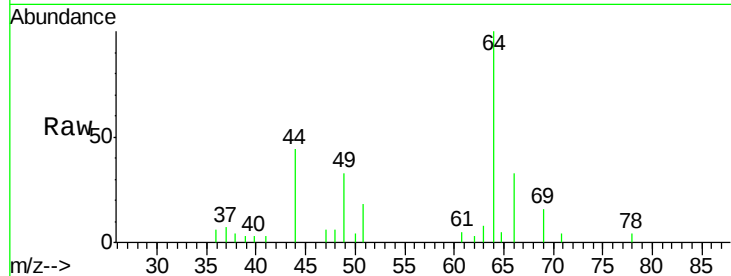




#8
Chloroethane
Concen: 5.692 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

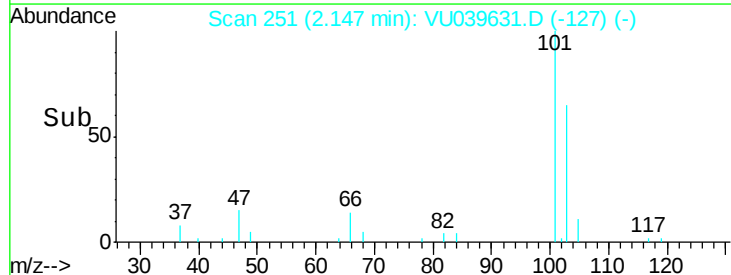
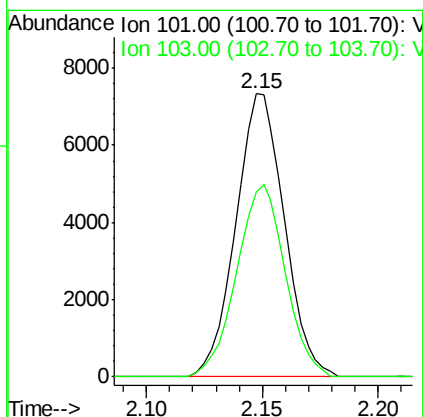
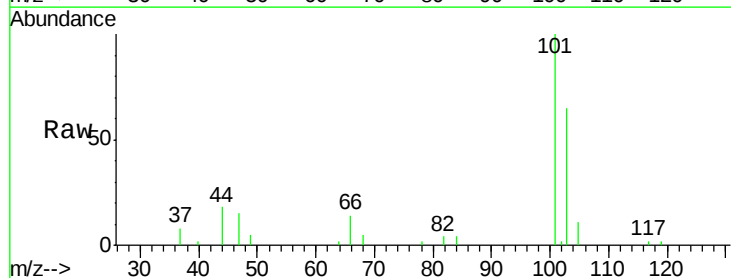
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

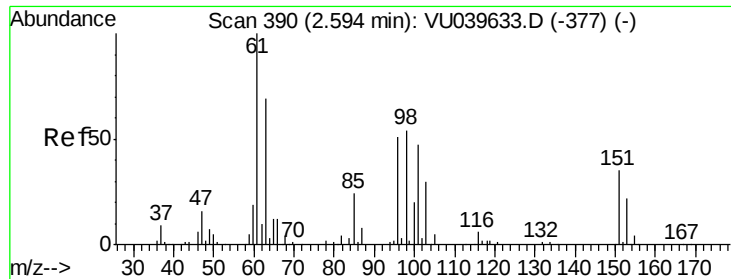
Tgt Ion: 64 Resp: 4624
Ion Ratio Lower Upper
64 100
66 33.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.773 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion: 101 Resp: 10636
Ion Ratio Lower Upper
101 100
103 68.0 52.8 79.2





#10

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

Concen: 5.324 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

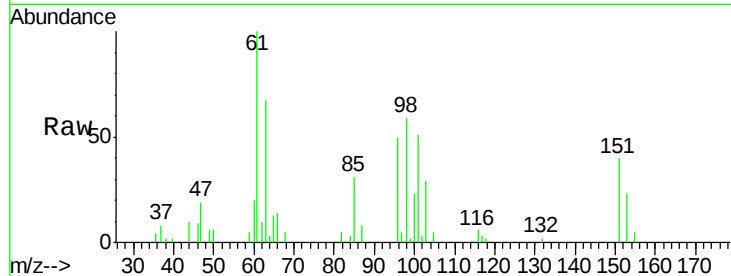
Tgt Ion:101 Resp: 5436

Ion Ratio Lower Upper

101 100

85 48.3 39.7 59.5

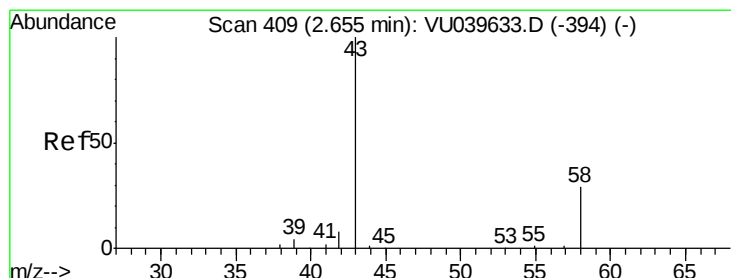
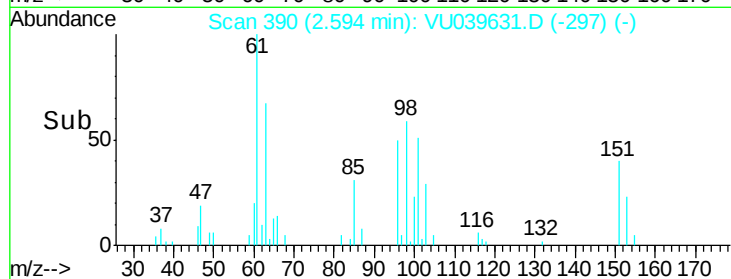
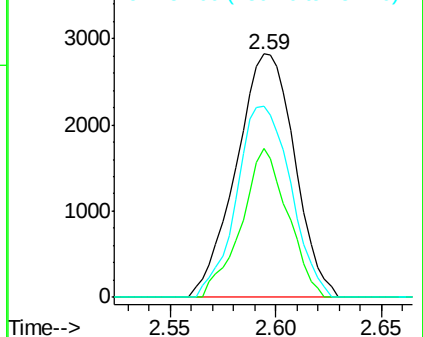
151 72.8 57.4 86.2



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



#13

Acetone

Concen: 13.585 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU039631.D

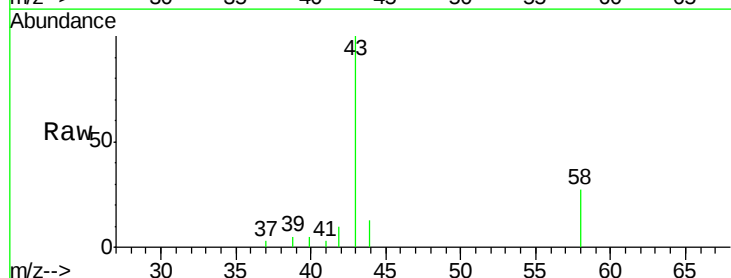
Acq: 23 Jul 2020 11:12

Tgt Ion: 43 Resp: 9849

Ion Ratio Lower Upper

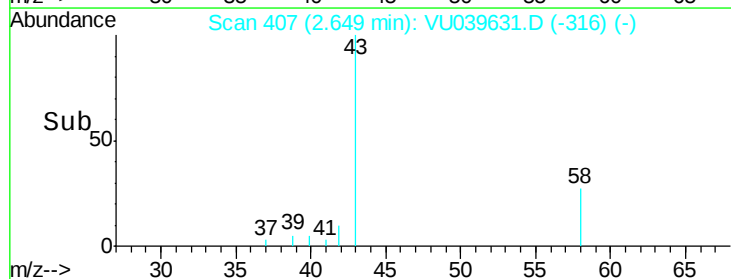
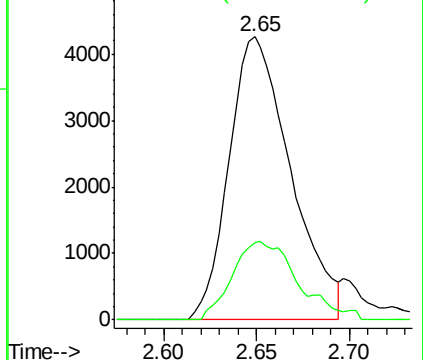
43 100

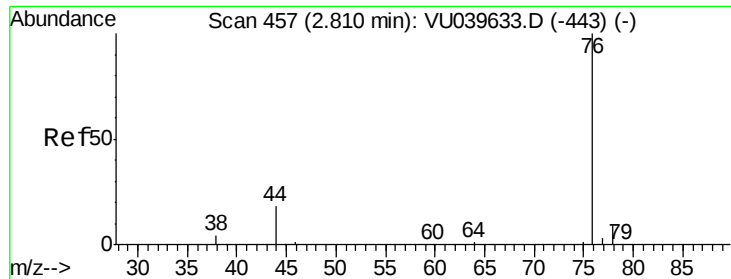
58 26.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 4.918 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

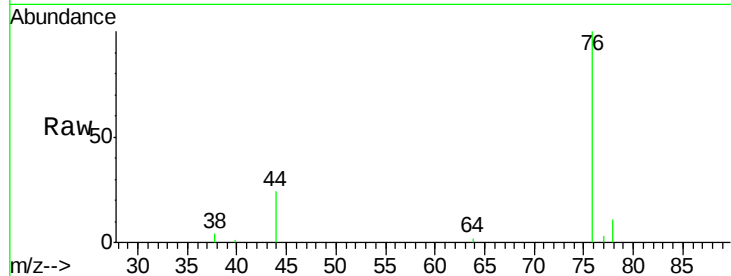
VSTD00536

Tgt Ion: 76 Resp: 15839

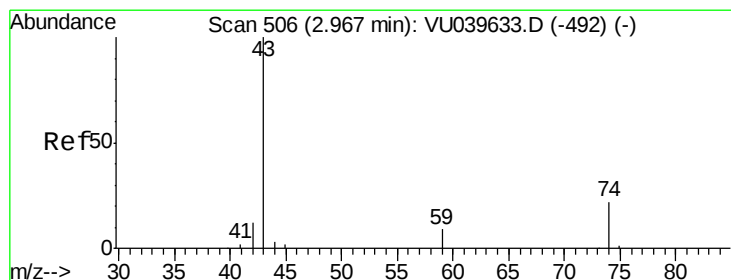
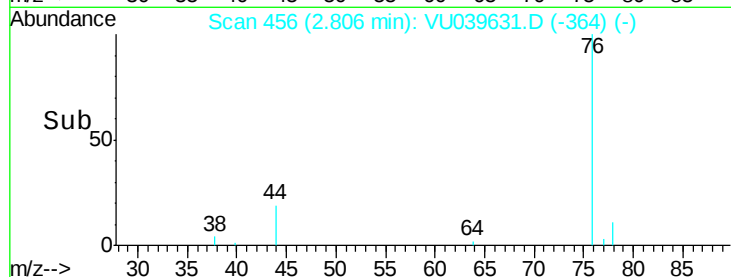
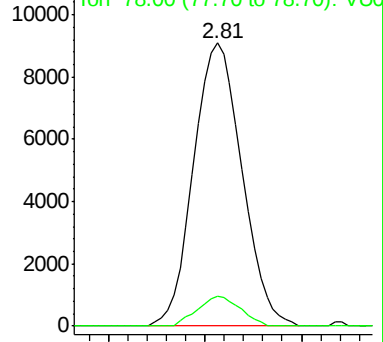
Ion Ratio Lower Upper

76 100

78 10.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039633.D (-443) (-)



#15

Methyl Acetate

Concen: 5.203 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU039631.D

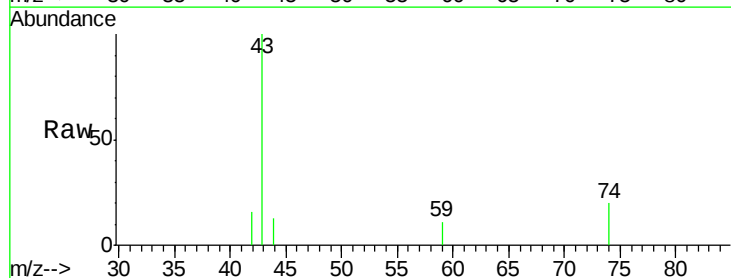
Acq: 23 Jul 2020 11:12

Tgt Ion: 43 Resp: 7650

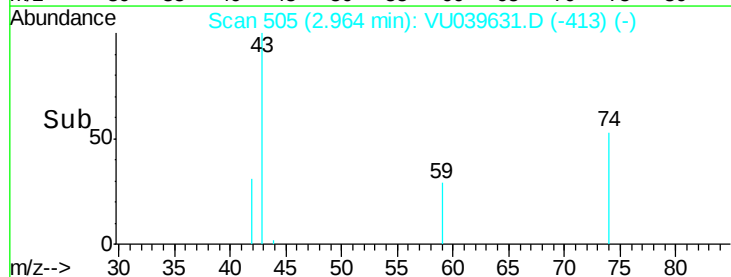
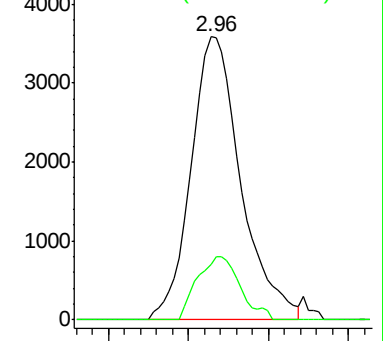
Ion Ratio Lower Upper

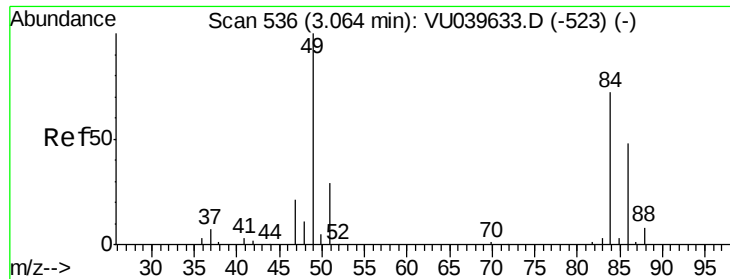
43 100

74 18.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VU039633.D (-492) (-)

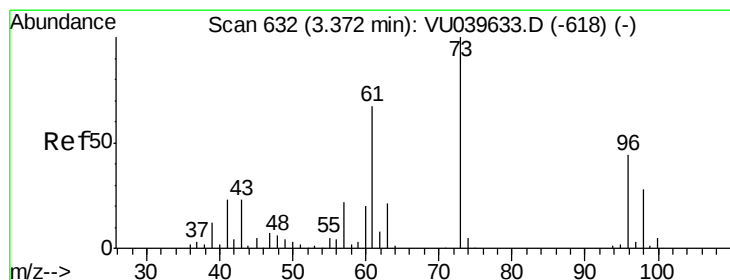
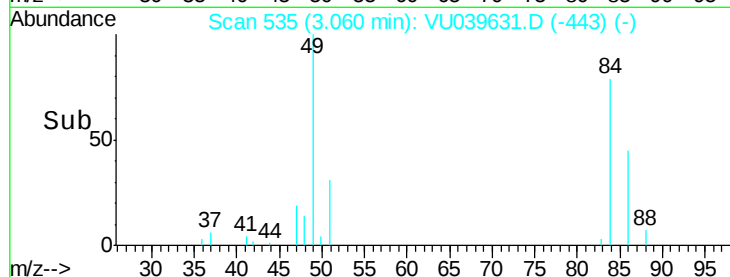
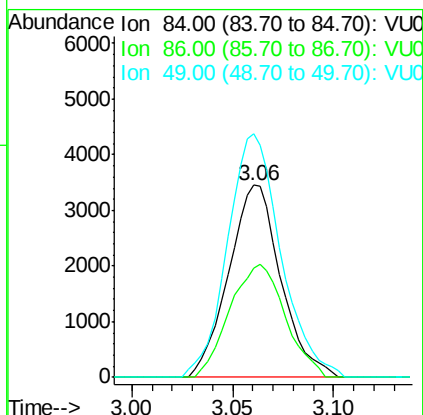
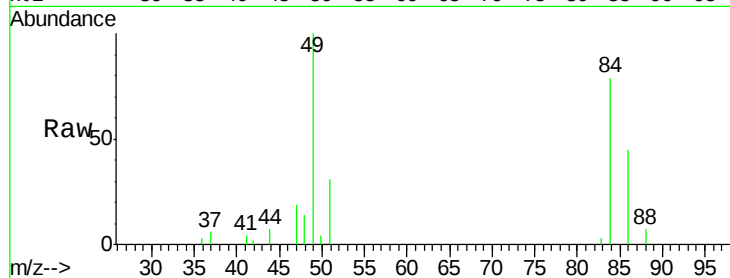




#16
Methylene chloride
Concen: 5.278 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

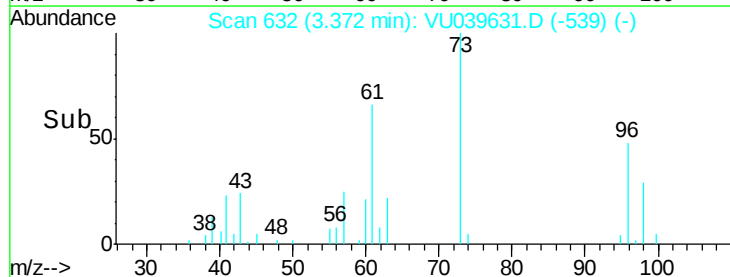
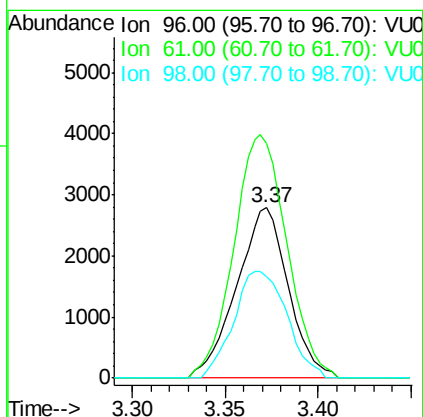
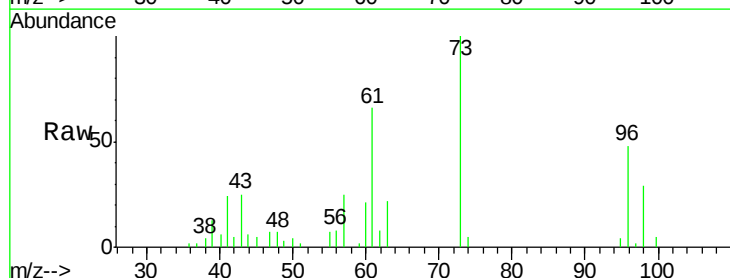
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

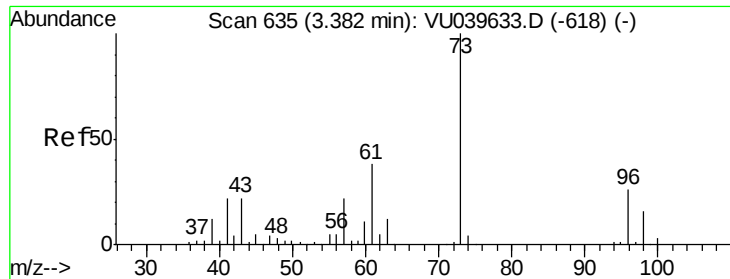
Tgt Ion: 84 Resp: 6255
Ion Ratio Lower Upper
84 100
86 56.8 46.2 85.8
49 126.6 97.3 180.7



#17
trans-1,2-Dichloroethene
Concen: 4.893 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion: 96 Resp: 5387
Ion Ratio Lower Upper
96 100
61 137.8 106.7 198.1
98 59.8 44.3 82.3

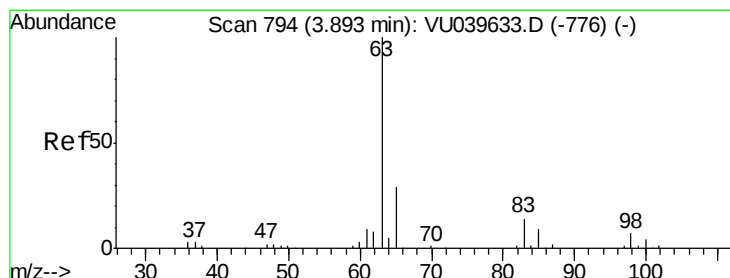
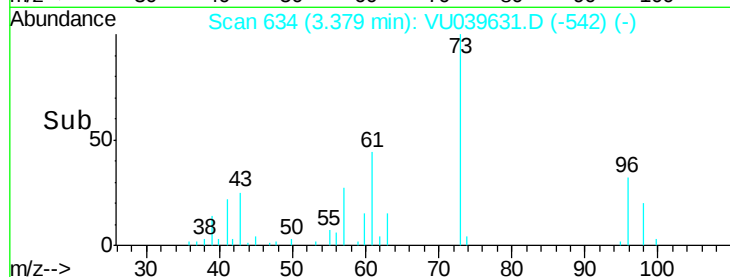
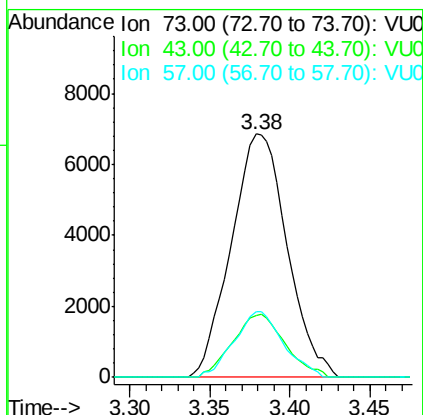
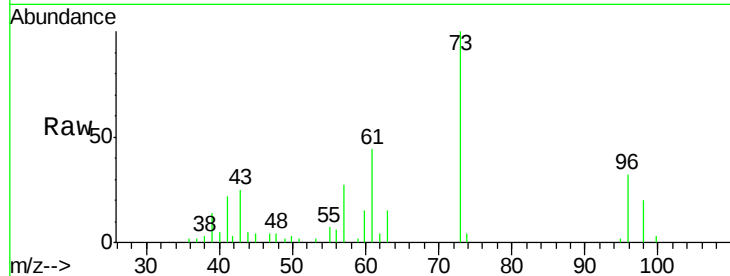




#18
Methyl tert-butyl Ether
Concen: 4.594 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

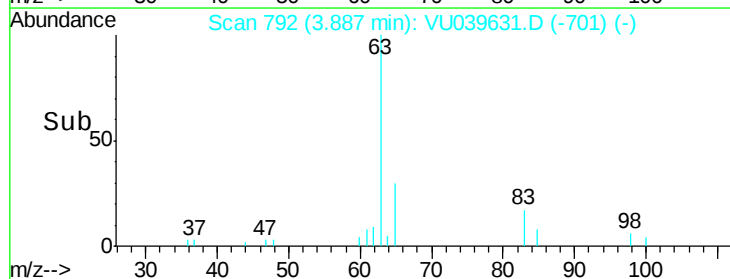
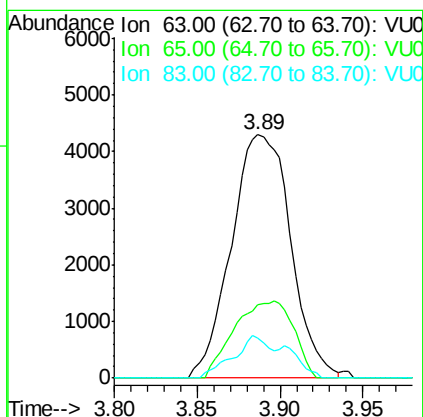
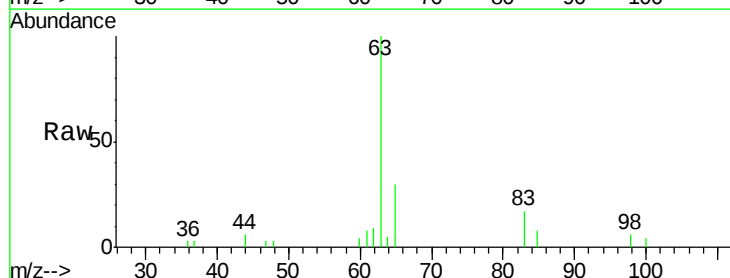
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

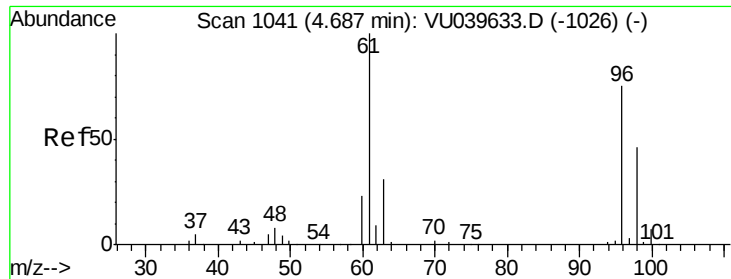
Tgt Ion: 73 Resp: 16383
Ion Ratio Lower Upper
73 100
43 24.2 18.2 27.2
57 23.7 17.4 26.2



#19
1,1-Dichloroethane
Concen: 5.084 ug/L
RT: 3.89 min Scan# 792
Delta R.T. -0.01 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion: 63 Resp: 10715
Ion Ratio Lower Upper
63 100
65 29.9 20.4 38.0
83 16.5 9.7 18.1

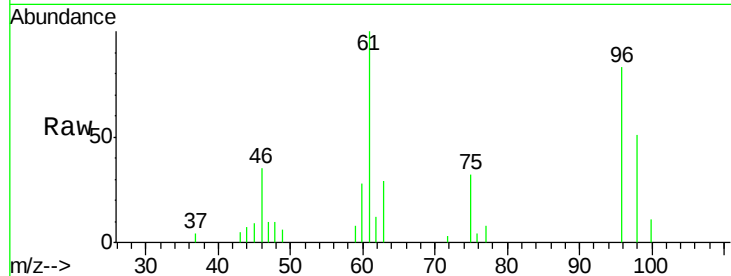




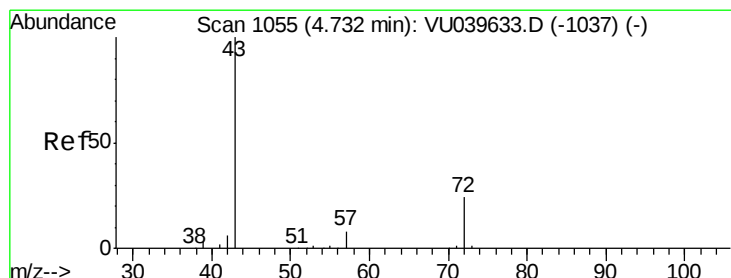
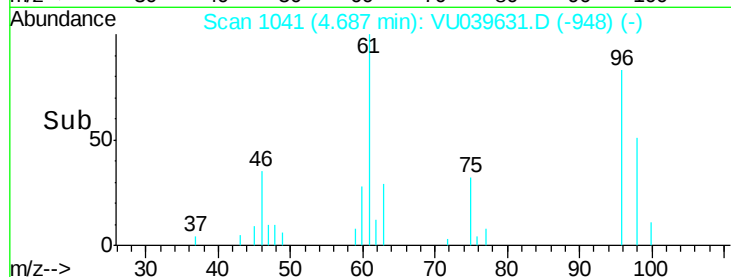
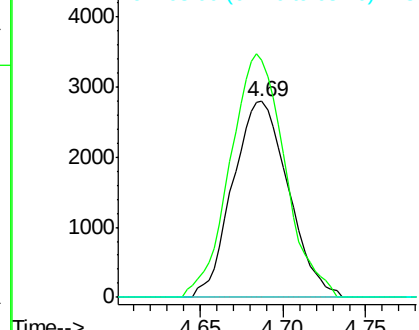
#20
 cis-1,2-Dichloroethene
 Concen: 5.321 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tgt Ion: 96 Resp: 6528
 Ion Ratio Lower Upper
 96 100
 61 120.8 94.0 174.6
 68 0.0 0.0 0.0

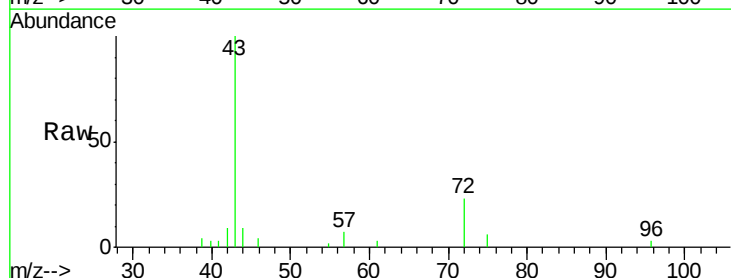


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

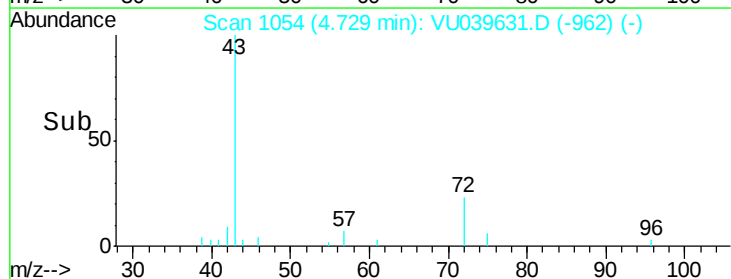
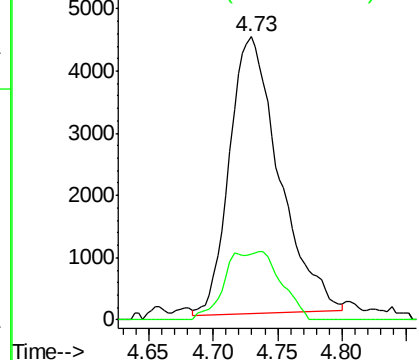


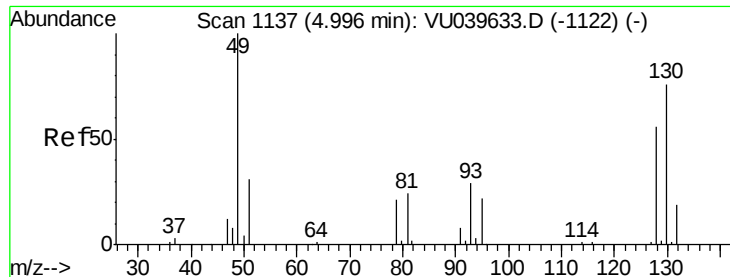
#22
 2-Butanone
 Concen: 10.774 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

Tgt Ion: 43 Resp: 11916
 Ion Ratio Lower Upper
 43 100
 72 10.3 12.8 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0

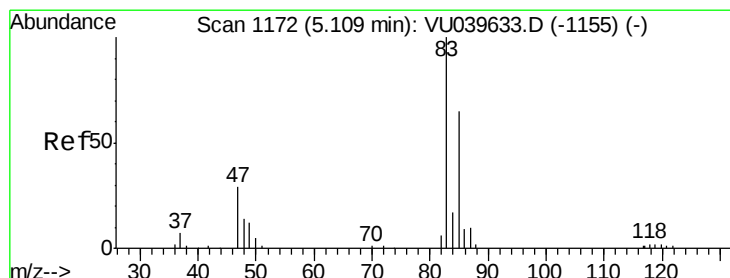
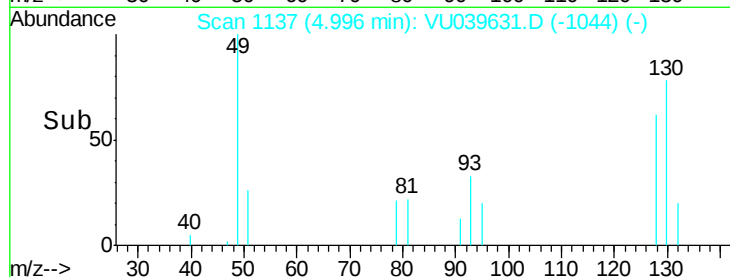
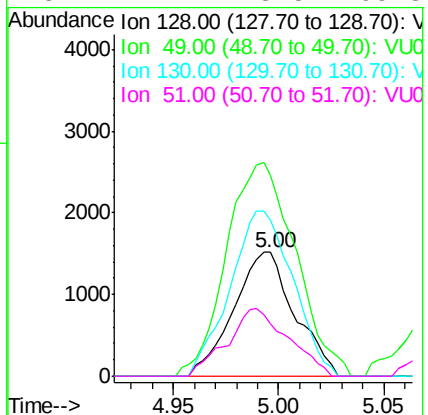
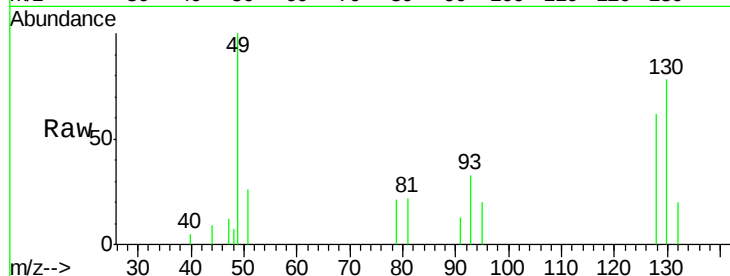




#23
Bromochloromethane
Concen: 4.987 ug/L
RT: 5.00 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

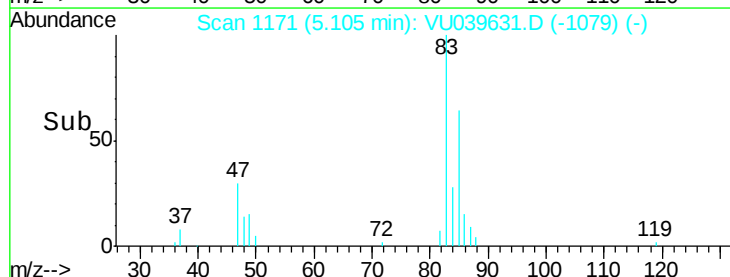
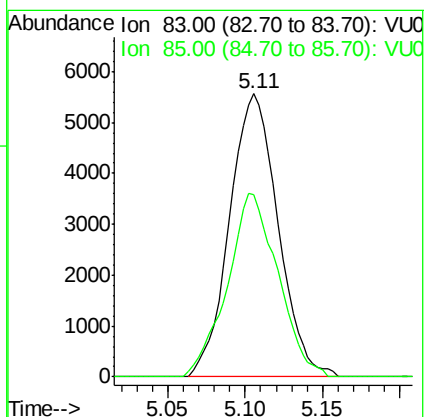
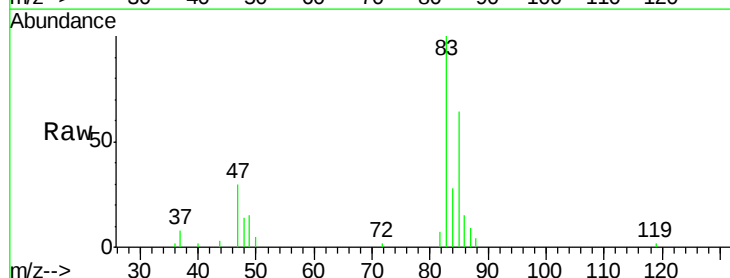
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

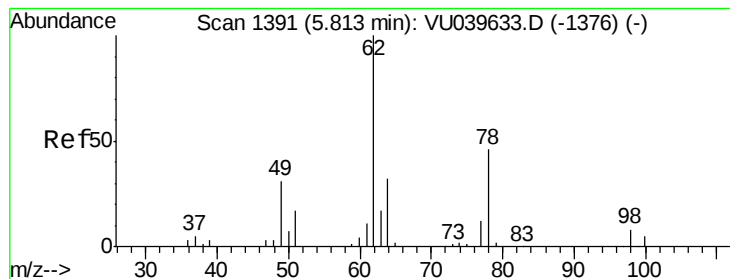
Tgt Ion:128 Resp: 3042
Ion Ratio Lower Upper
128 100
49 161.7 124.5 231.3
130 126.3 94.4 175.2
51 42.2 43.5 65.3#



#25
Chloroform
Concen: 5.644 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion: 83 Resp: 12128
Ion Ratio Lower Upper
83 100
85 64.3 45.6 84.6





#27

1,2-Dichloroethane

Concen: 5.901 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

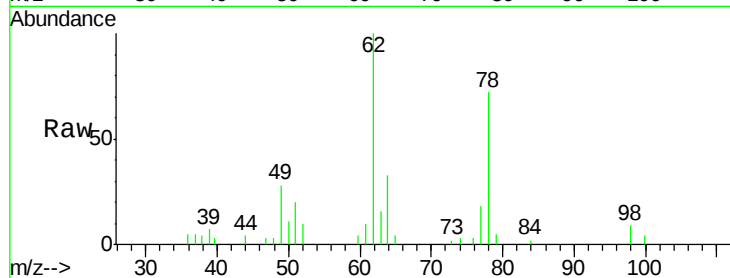
VSTD00536

Tgt Ion: 62 Resp: 10420

Ion Ratio Lower Upper

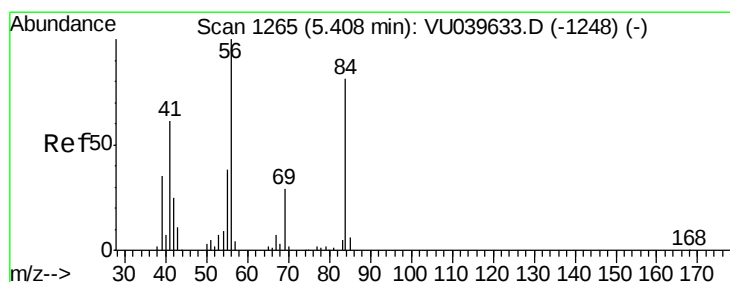
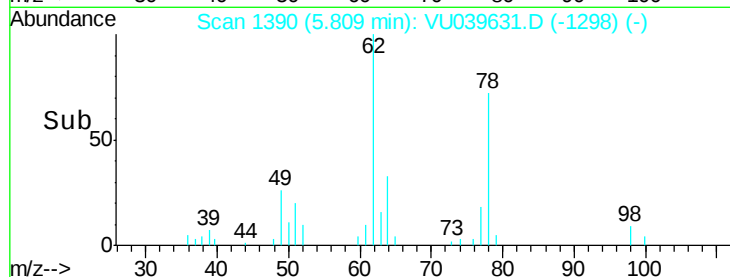
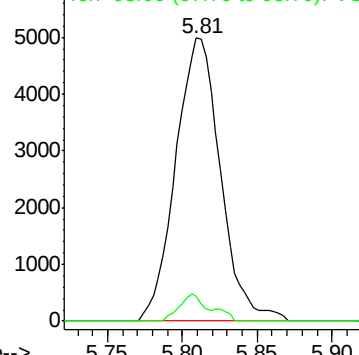
62 100

98 8.8 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#29

Cyclohexane

Concen: 4.677 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

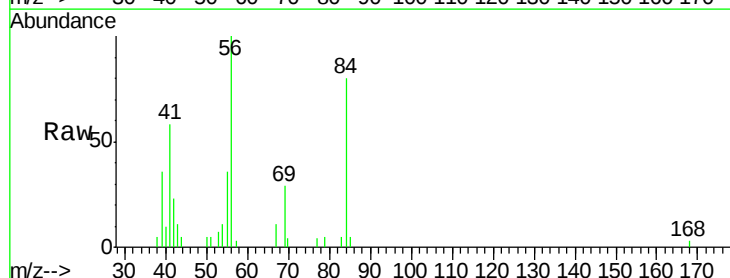
Tgt Ion: 56 Resp: 8390

Ion Ratio Lower Upper

56 100

69 19.4 23.9 35.9#

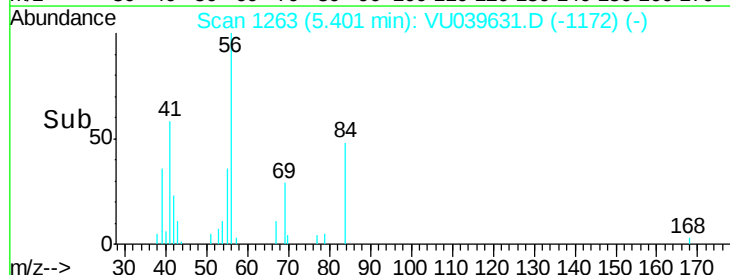
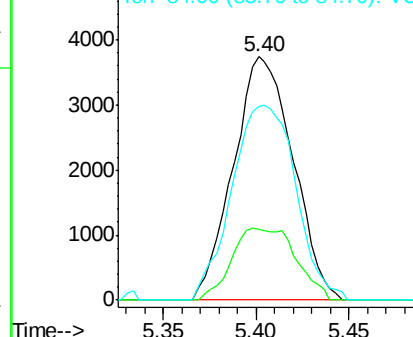
84 85.9 65.8 98.8

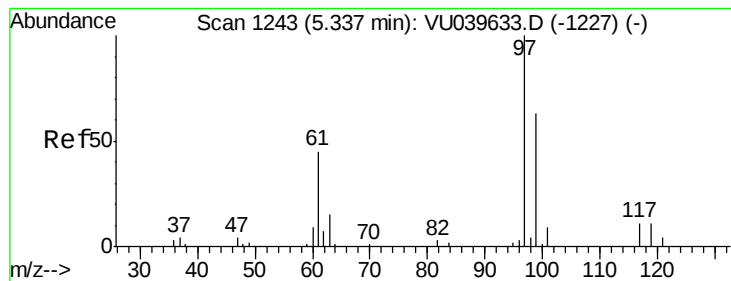


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#30

1,1,1-Trichloroethane

Concen: 5.460 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

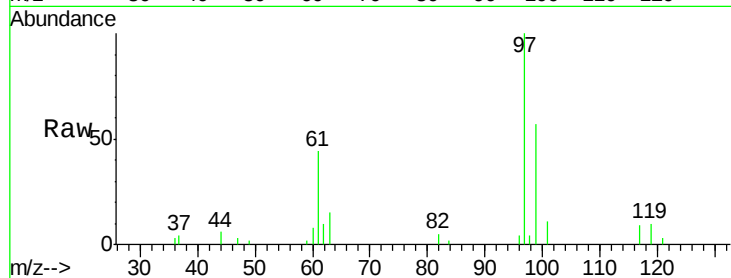
Tgt Ion: 97 Resp: 10224

Ion Ratio Lower Upper

97 100

99 40.4 50.3 75.5#

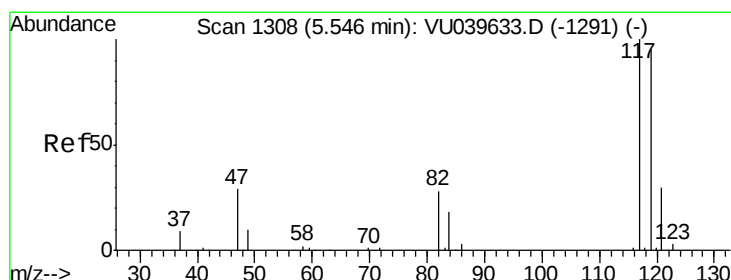
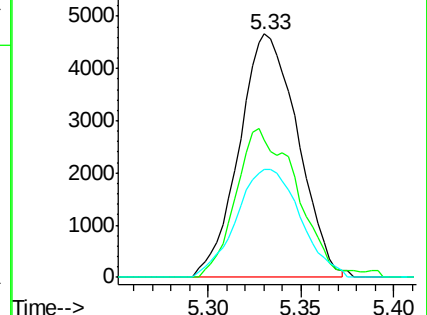
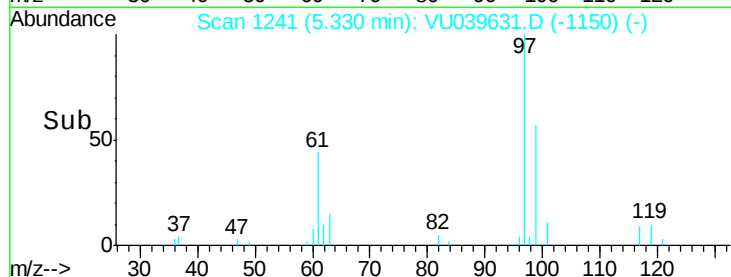
61 48.3 36.0 54.0



Abundance Ion 97.00 (96.70 to 97.70): VU039633.D (-1227) (-)

Ion 99.00 (98.70 to 99.70): VU039633.D (-1227) (-)

Ion 61.05 (60.75 to 61.75): VU039633.D (-1227) (-)



#31

Carbon tetrachloride

Concen: 4.979 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039631.D

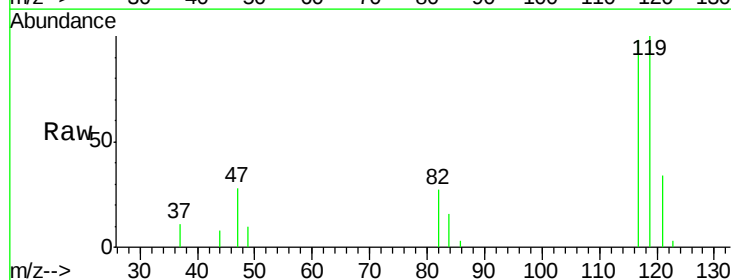
Acq: 23 Jul 2020 11:12

Tgt Ion: 117 Resp: 7775

Ion Ratio Lower Upper

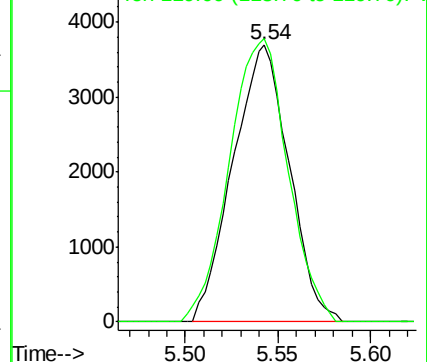
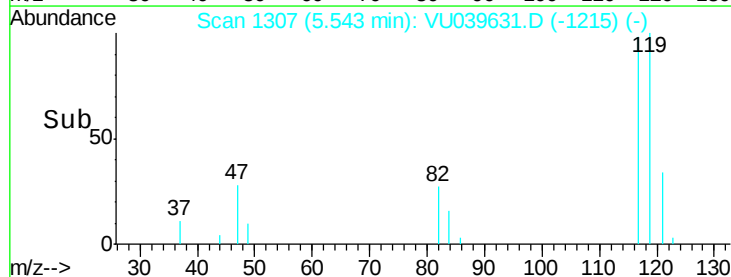
117 100

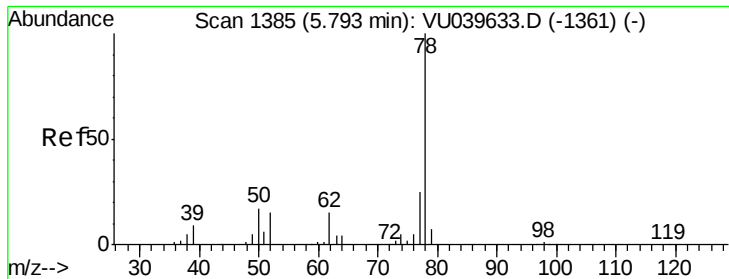
119 106.5 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): VU039633.D (-1291) (-)

Ion 119.00 (118.70 to 119.70): VU039633.D (-1291) (-)





#33

Benzene

Concen: 4.822 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

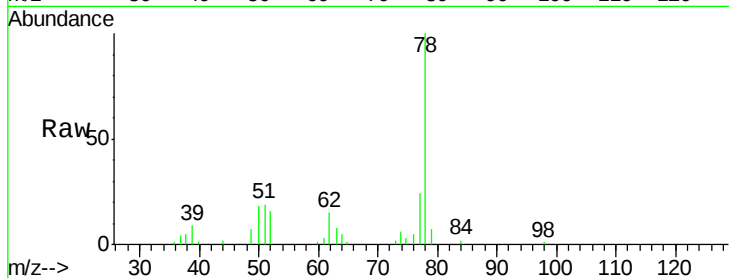
Instrument :

MSVOA_U

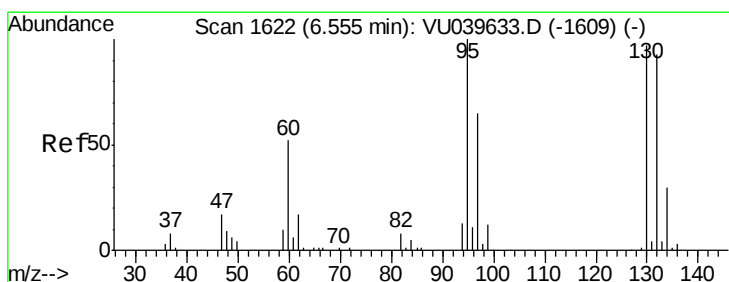
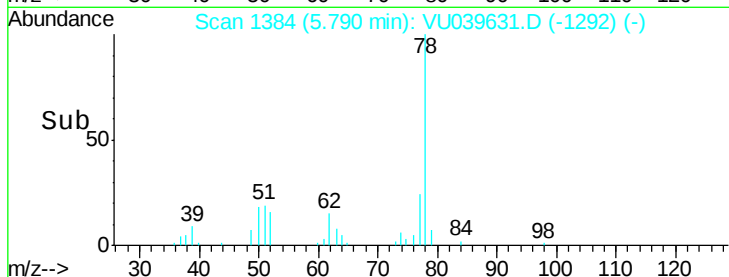
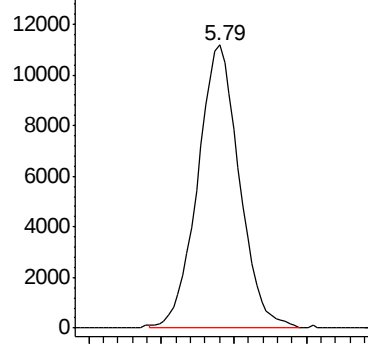
ClientSampleId :

VSTD00536

Tgt Ion: 78 Resp: 22380



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 4.897 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Tgt Ion: 95 Resp: 5848

Ion	Ratio	Lower	Upper
95	100		
97	59.4	45.5	84.5
132	95.5	65.0	120.6
130	99.4	67.9	126.1

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

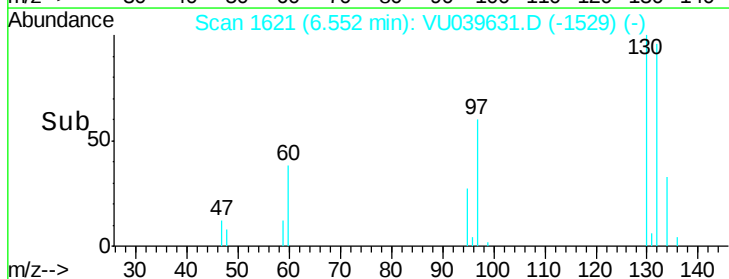
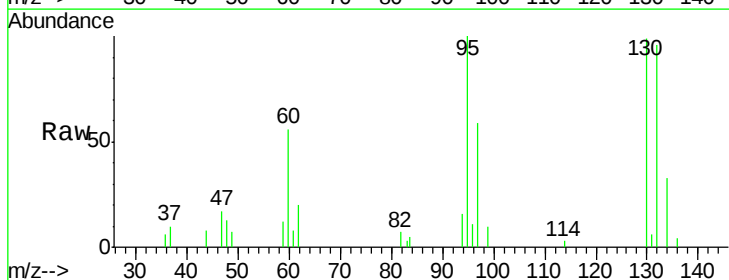
Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

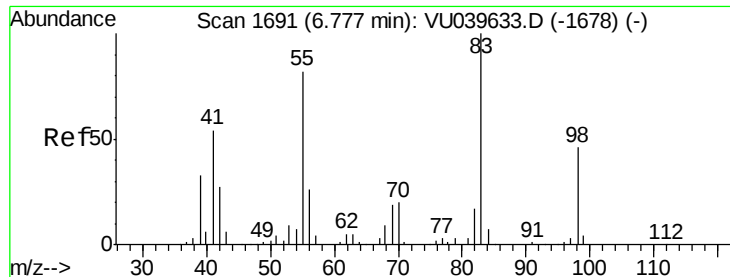
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

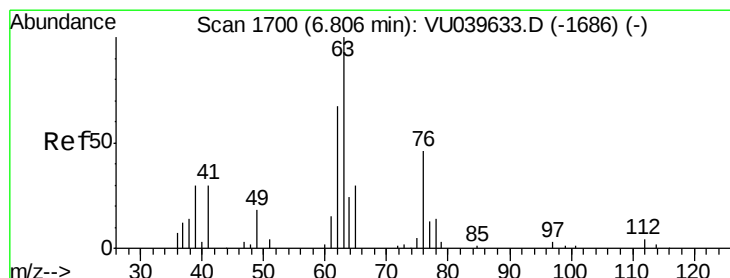
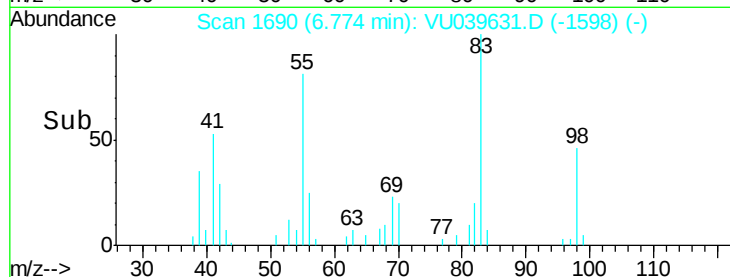
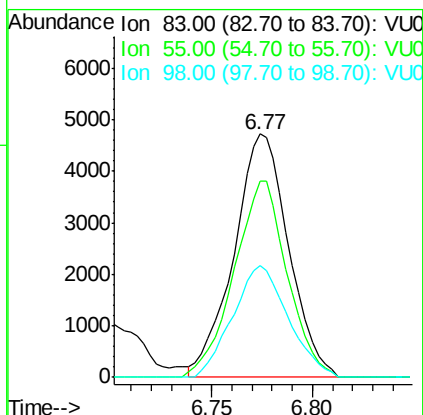
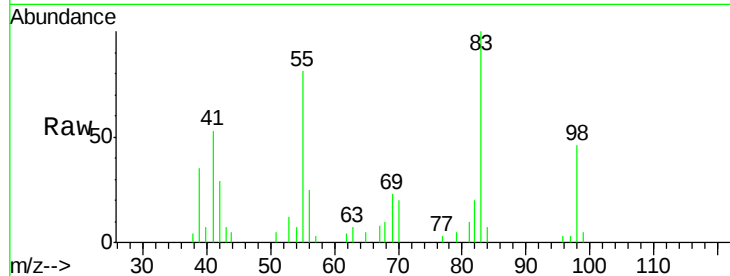
Ion 97.00 (96.70 to 97.70): VU0



#35
Methylcyclohexane
Concen: 4.963 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

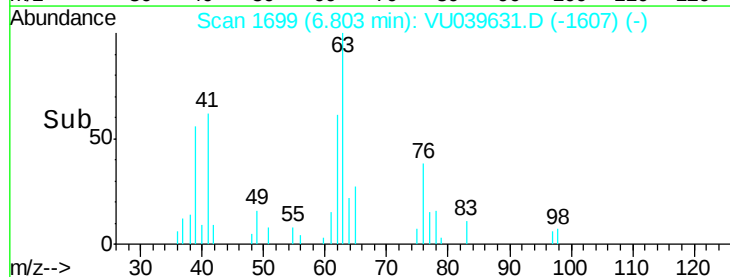
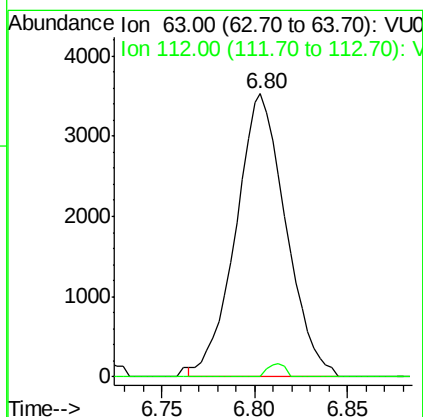
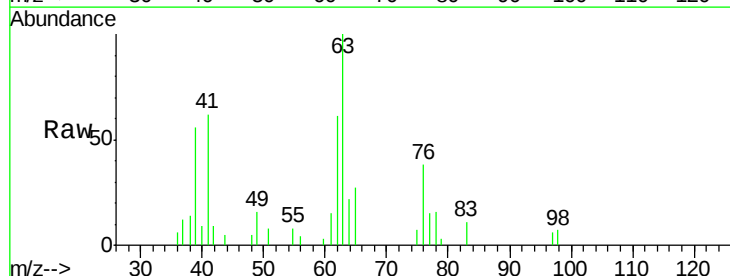
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

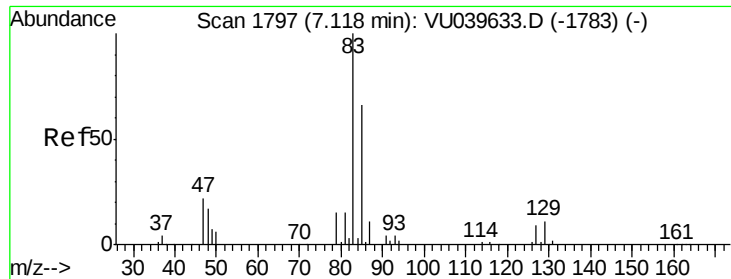
Tgt Ion: 83 Resp: 8938
Ion Ratio Lower Upper
83 100
55 78.6 62.9 94.3
98 46.5 36.3 54.5



#37
1,2-Dichloropropane
Concen: 5.440 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion: 63 Resp: 6610
Ion Ratio Lower Upper
63 100
112 1.6 3.0 4.4#

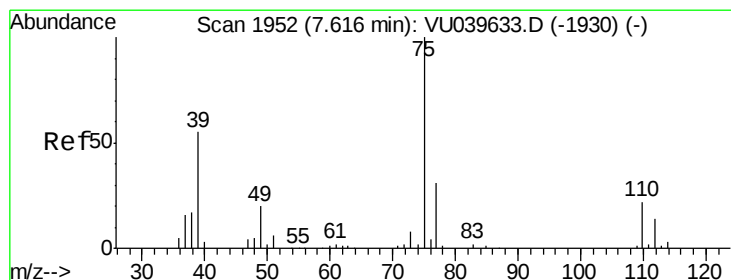
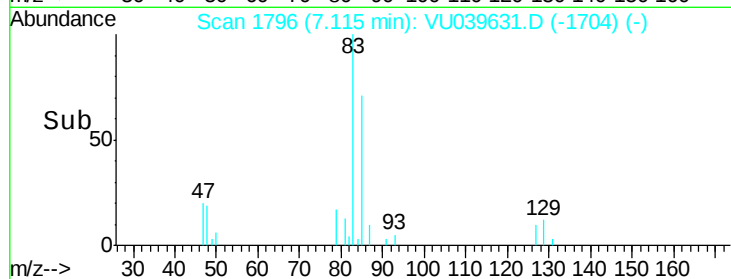
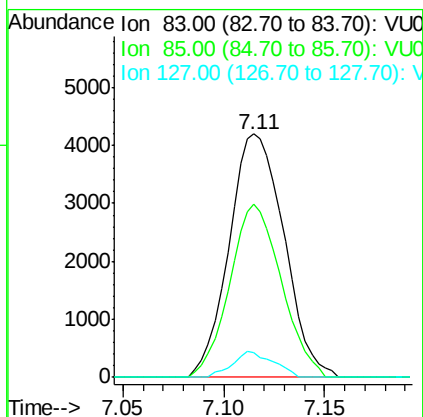
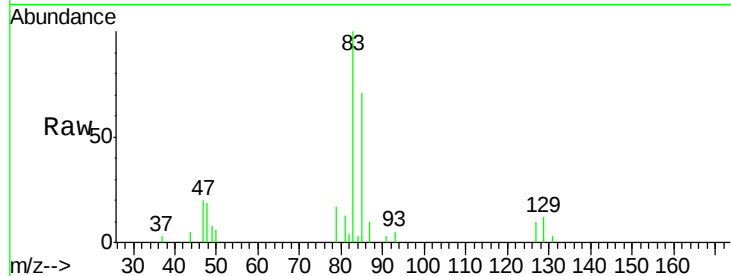




#38
 Bromodichloromethane
 Concen: 5.074 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

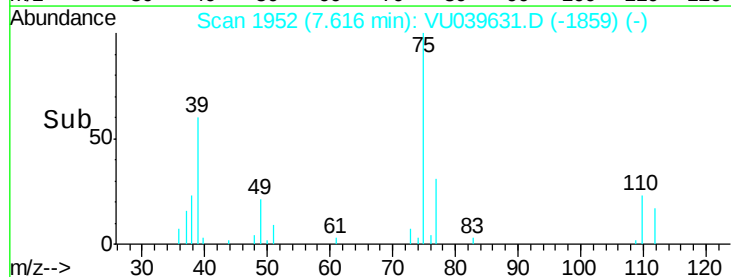
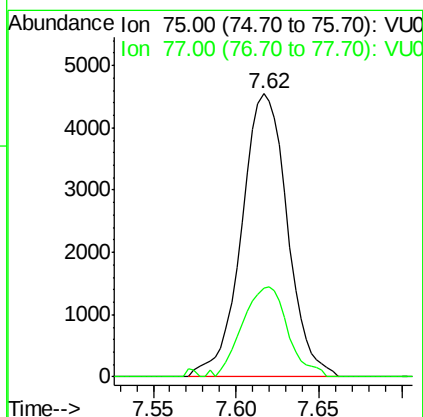
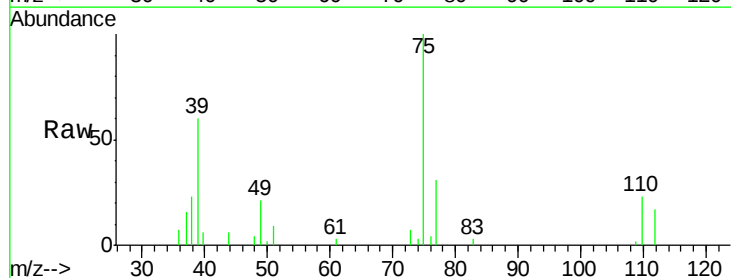
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

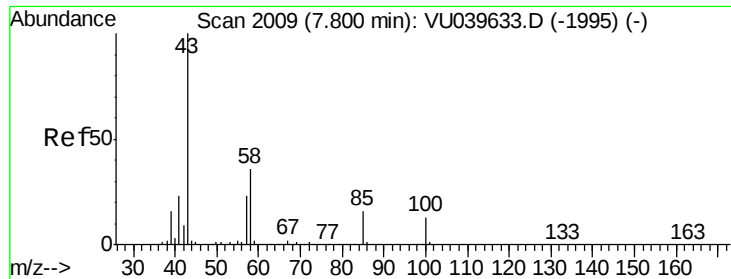
Tgt Ion: 83 Resp: 7980
 Ion Ratio Lower Upper
 83 100
 85 71.1 45.9 85.3
 127 10.1 7.4 11.2



#39
 cis-1,3-Dichloropropene
 Concen: 4.672 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

Tgt Ion: 75 Resp: 8748
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.6

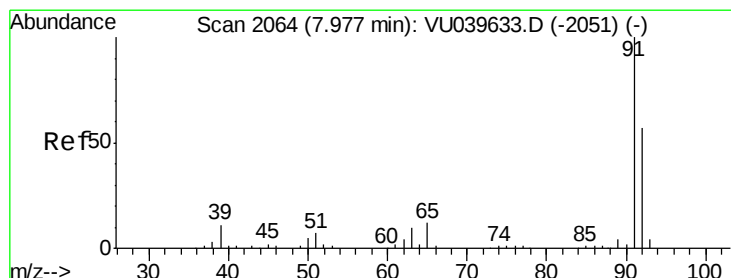
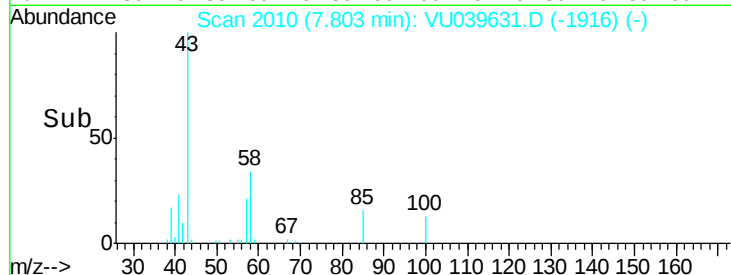
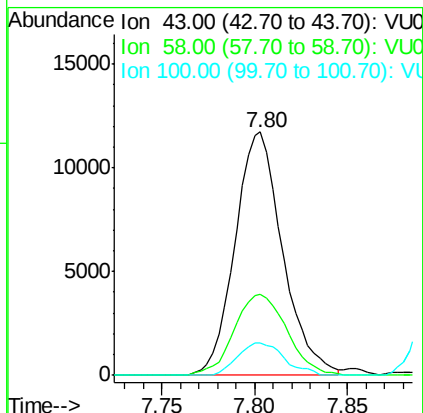
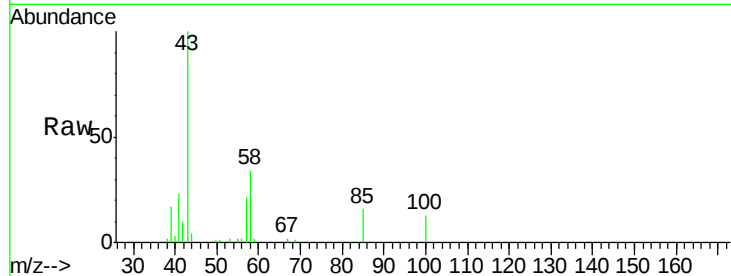




#40
 4-Methyl-2-pentanone
 Concen: 10.704 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

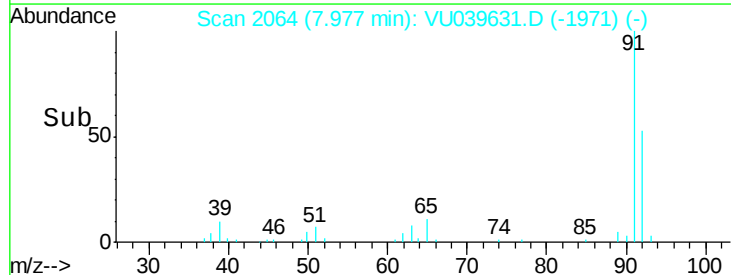
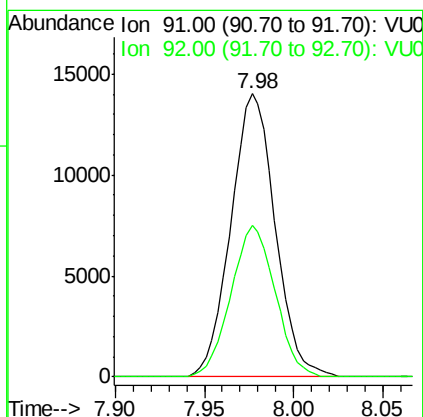
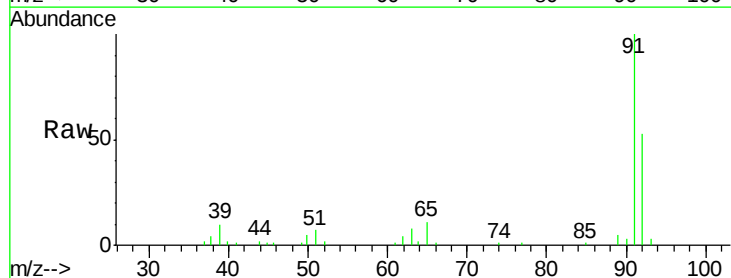
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

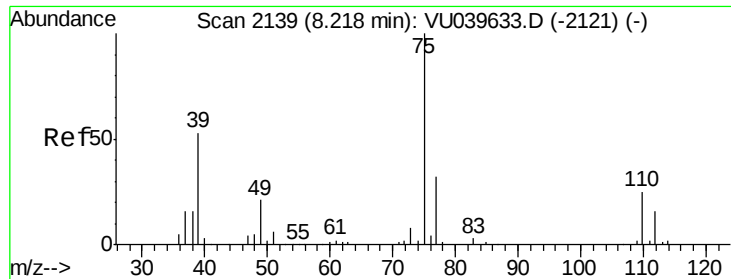
Tgt Ion: 43 Resp: 20938
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.1 43.7
 100 13.0 10.6 16.0



#42
 Toluene
 Concen: 4.961 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

Tgt Ion: 91 Resp: 24303
 Ion Ratio Lower Upper
 91 100
 92 53.4 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 4.526 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

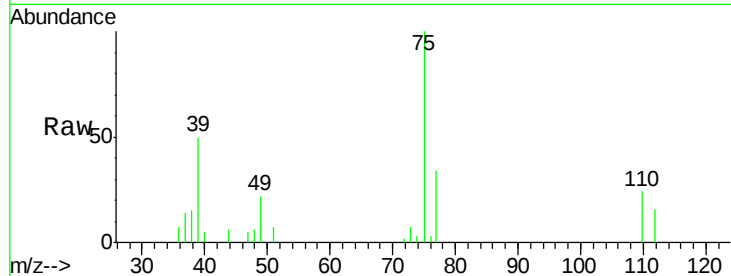
VSTD00536

Tgt Ion: 75 Resp: 8164

Ion Ratio Lower Upper

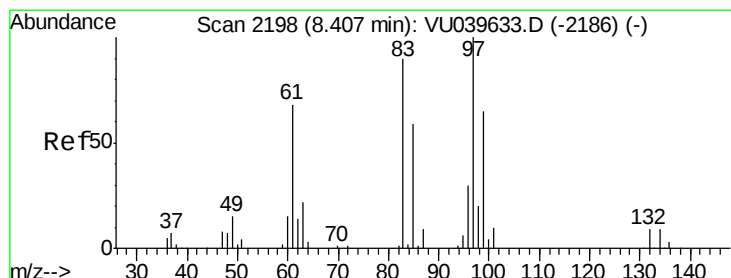
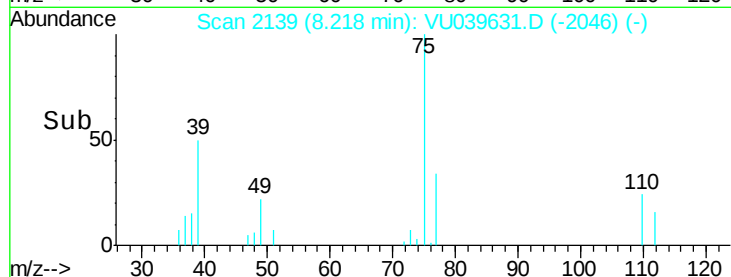
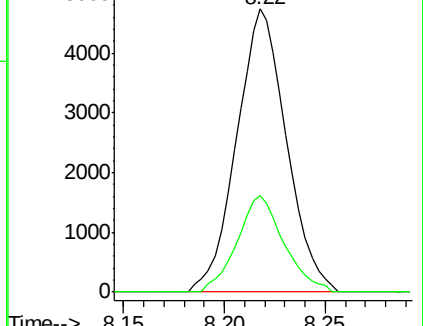
75 100

77 33.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039633.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039633.D (-2121) (-)



#45

1,1,2-Trichloroethane

Concen: 4.852 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Tgt Ion: 97 Resp: 5670

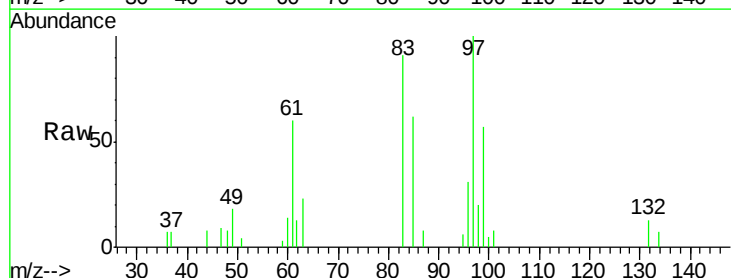
Ion Ratio Lower Upper

97 100

99 56.6 45.1 83.9

83 90.6 62.7 116.5

85 61.5 41.0 76.2

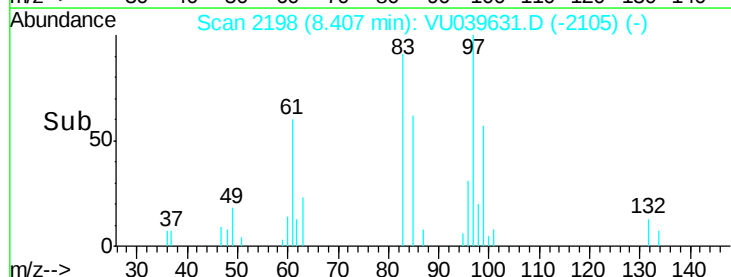
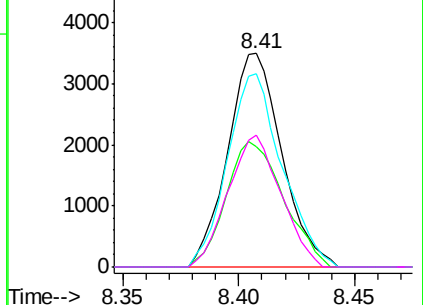


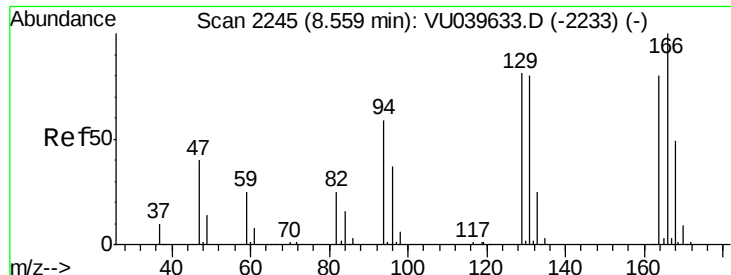
Abundance Ion 97.00 (96.70 to 97.70): VU039633.D (-2186) (-)

Ion 99.00 (98.70 to 99.70): VU039633.D (-2186) (-)

Ion 83.00 (82.70 to 83.70): VU039633.D (-2186) (-)

Ion 85.00 (84.70 to 85.70): VU039633.D (-2186) (-)

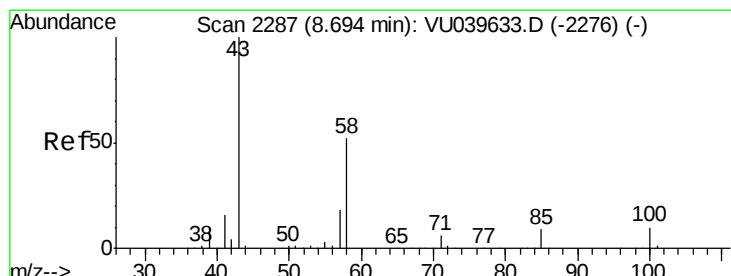
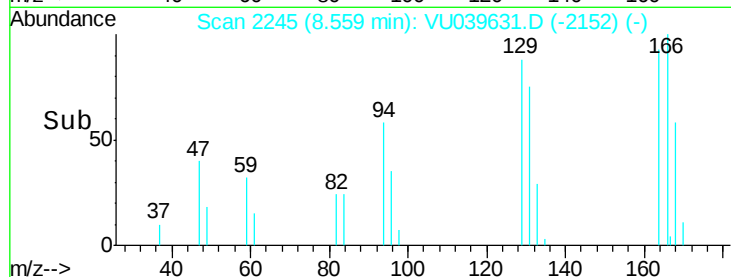
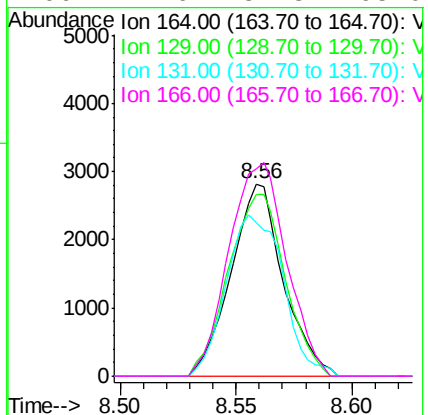
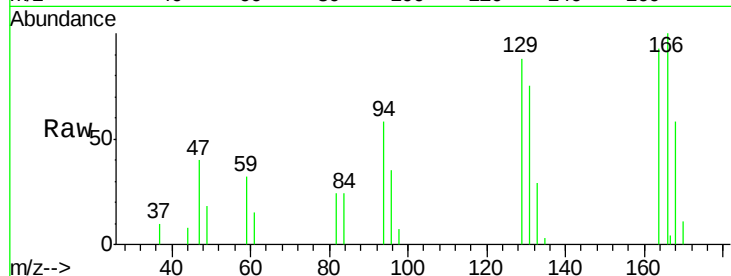




#46
Tetrachloroethene
Concen: 5.129 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

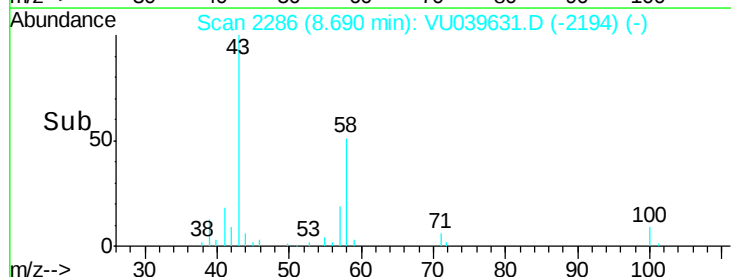
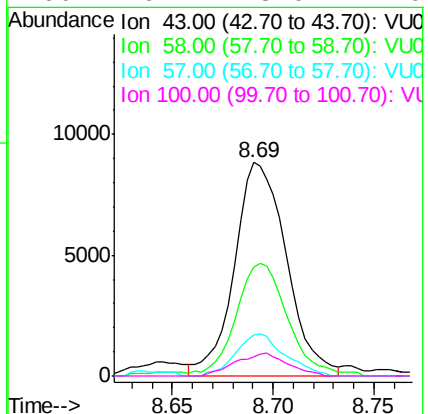
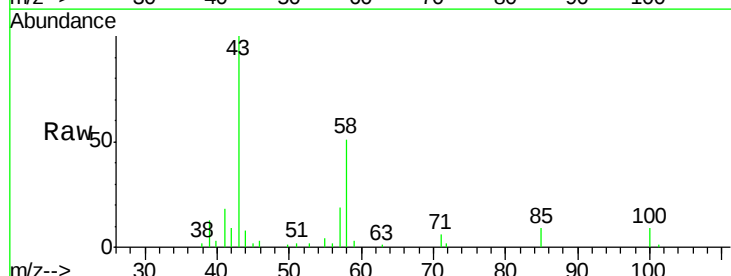
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

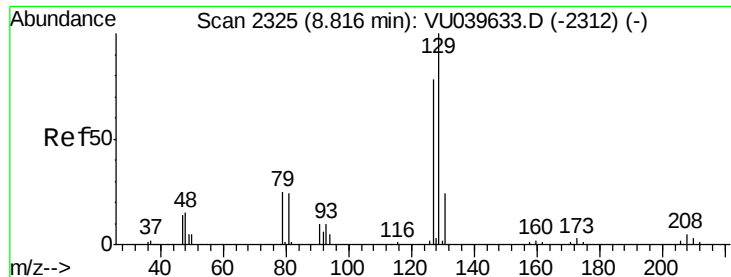
Tgt Ion:164 Resp: 4407
Ion Ratio Lower Upper
164 100
129 94.4 71.1 132.1
131 80.1 70.3 130.5
166 111.6 87.8 163.0



#48
2-Hexanone
Concen: 9.889 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion: 43 Resp: 16004
Ion Ratio Lower Upper
43 100
58 51.5 40.6 61.0
57 18.6 14.5 21.7
100 10.7 8.0 12.0





#49

Dibromochloromethane

Concen: 5.010 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

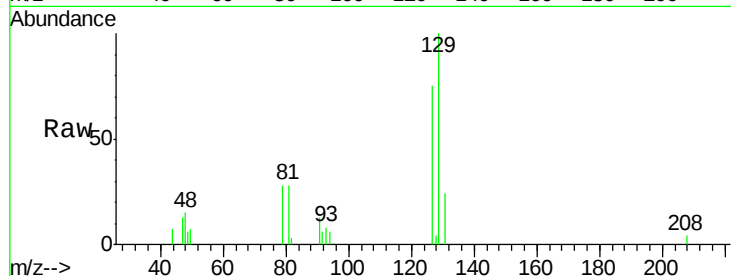
VSTD00536

Tgt Ion:129 Resp: 6131

Ion Ratio Lower Upper

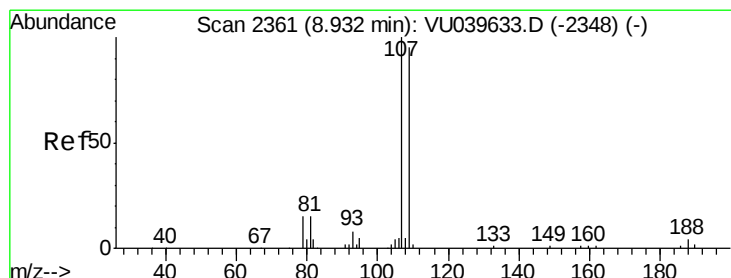
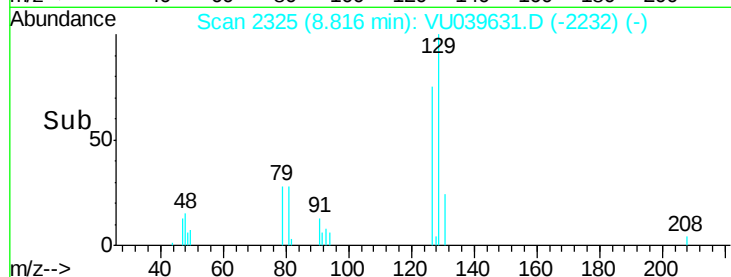
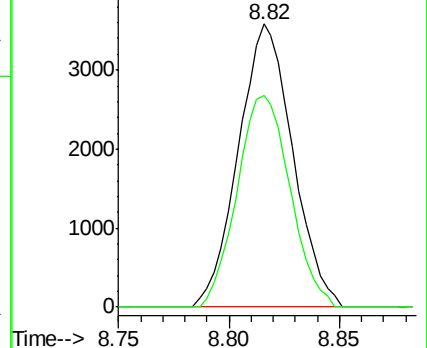
129 100

127 75.0 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.881 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

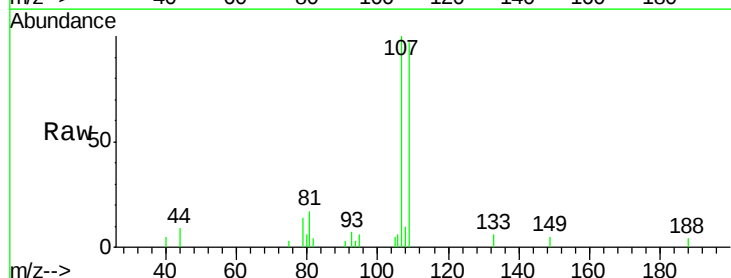
Tgt Ion:107 Resp: 6181

Ion Ratio Lower Upper

107 100

109 96.5 66.8 124.2

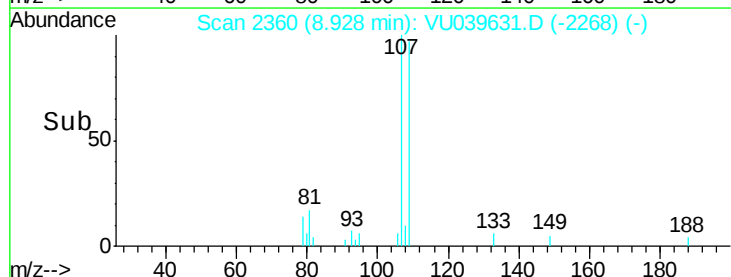
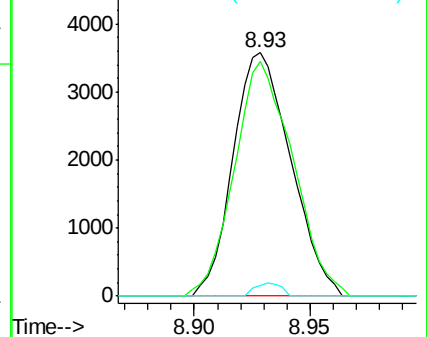
188 4.4 3.0 4.4

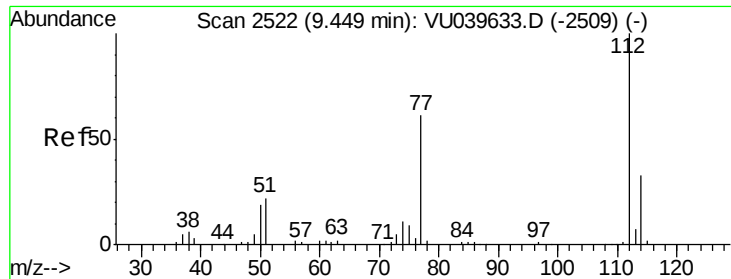


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

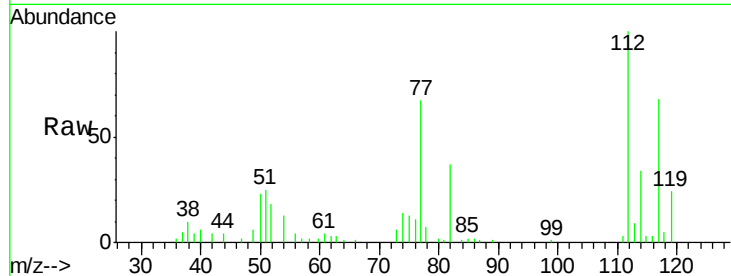




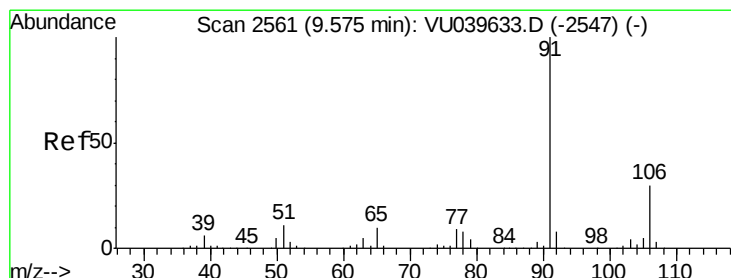
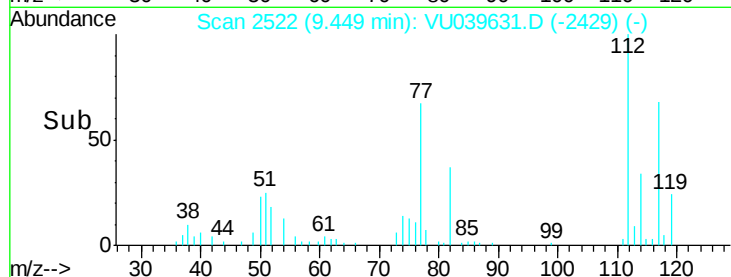
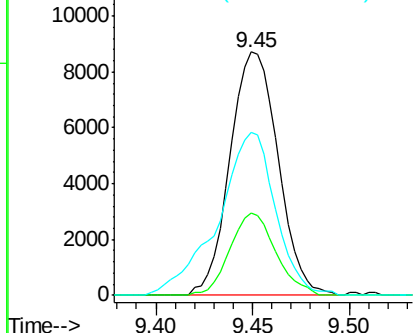
#51
Chlorobenzene
Concen: 4.812 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion: 112 Resp: 15097
Ion Ratio Lower Upper
112 100
114 33.8 22.9 42.5
77 67.1 49.4 74.0

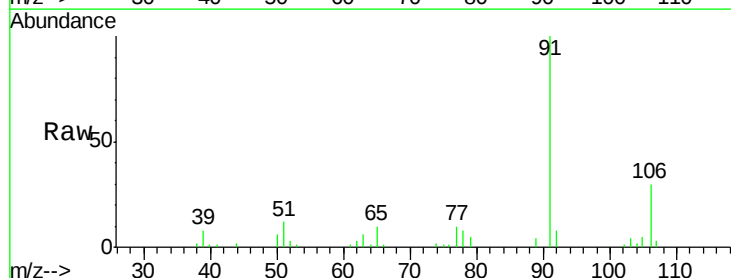


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

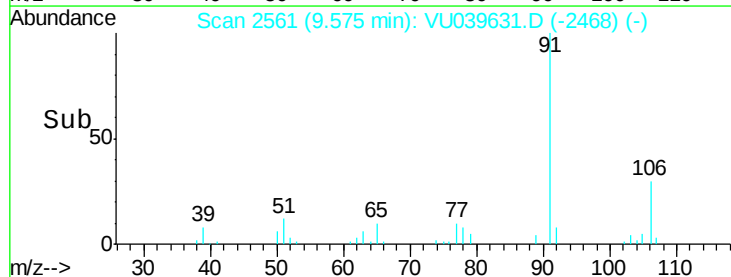
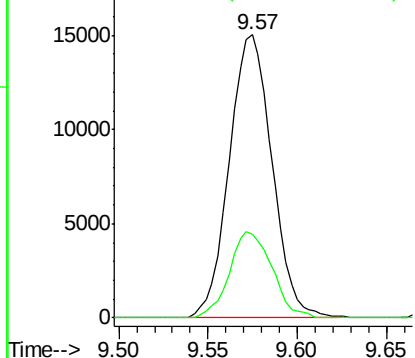


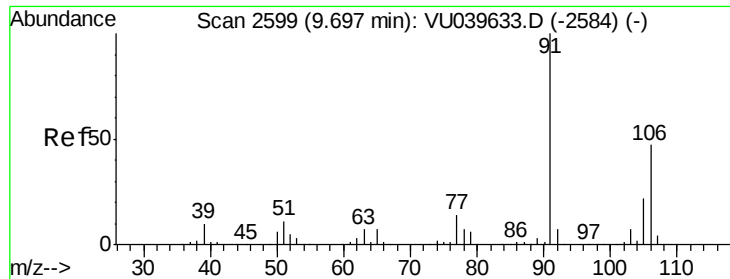
#52
Ethylbenzene
Concen: 4.629 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion: 91 Resp: 25040
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

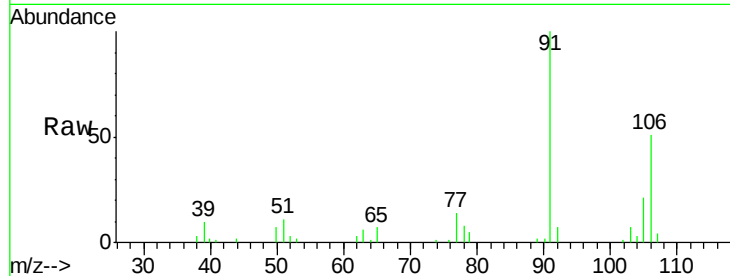




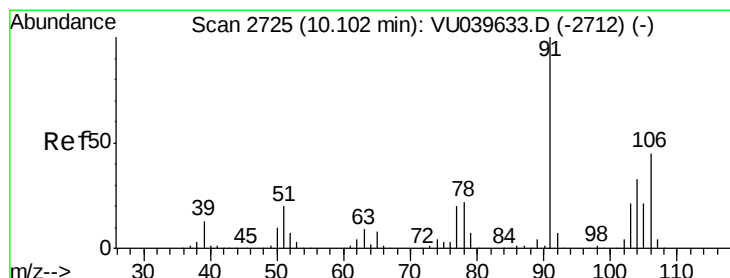
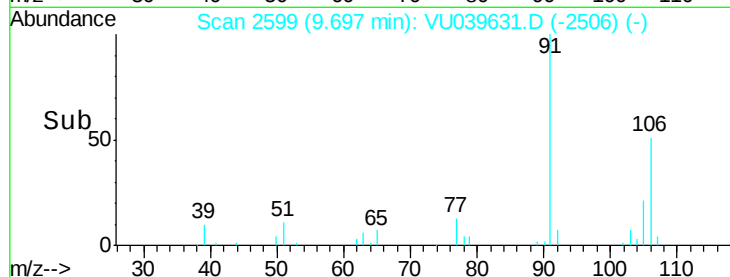
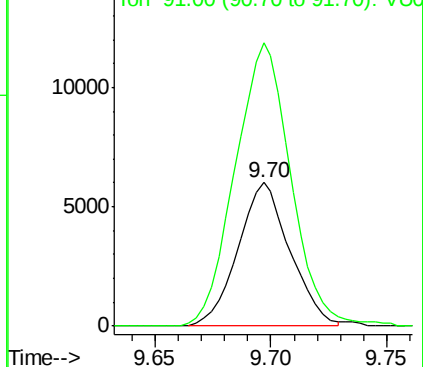
#53
m,p-Xylene
Concen: 4.531 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion:106 Resp: 9358
Ion Ratio Lower Upper
106 100
91 197.4 149.7 277.9

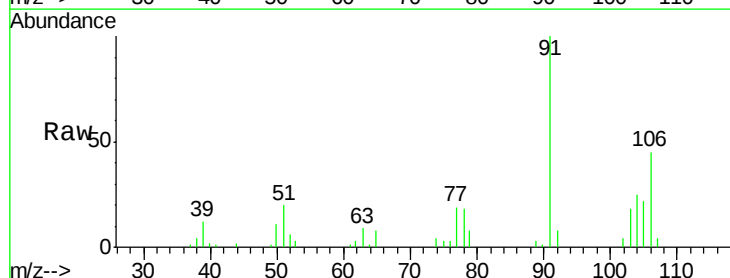


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

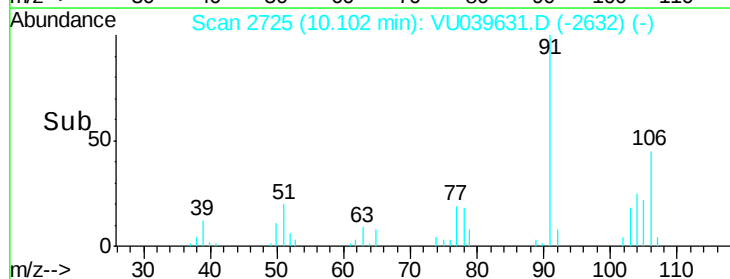
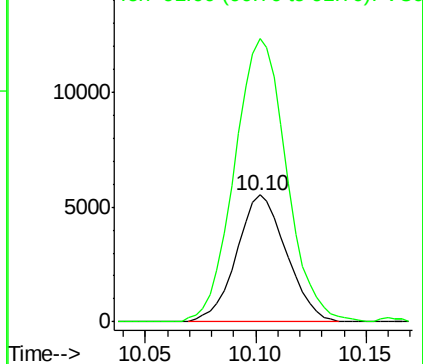


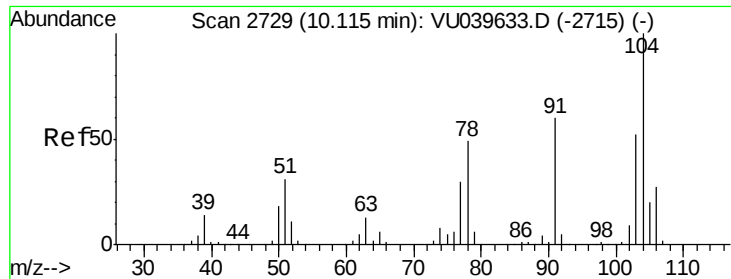
#54
o-xylene
Concen: 4.298 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion:106 Resp: 8635
Ion Ratio Lower Upper
106 100
91 222.7 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

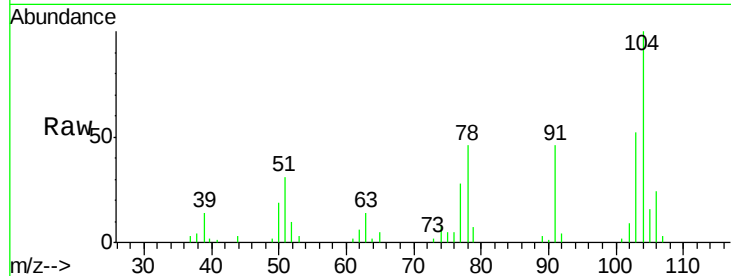




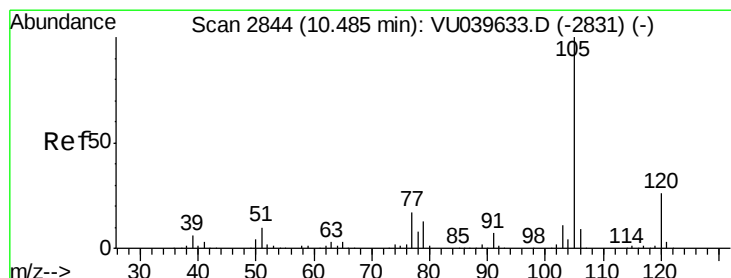
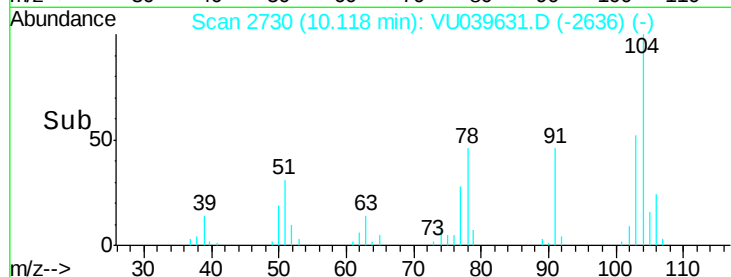
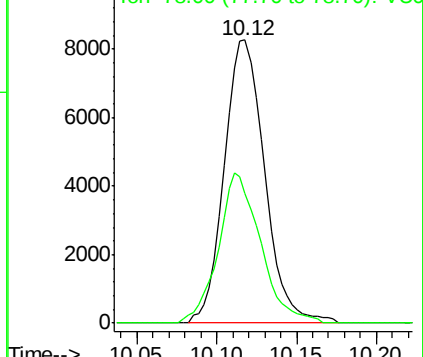
#55
Styrene
Concen: 4.098 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion:104 Resp: 14263
Ion Ratio Lower Upper
104 100
78 45.9 34.3 63.7

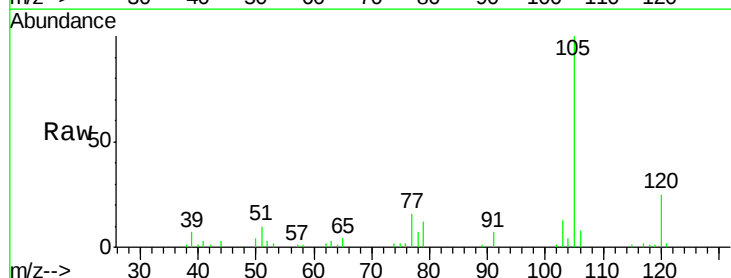


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0

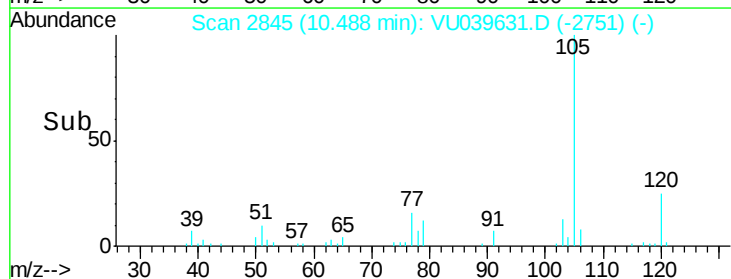
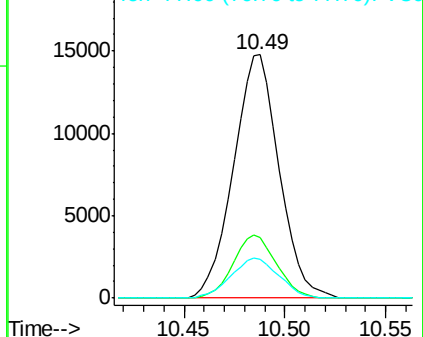


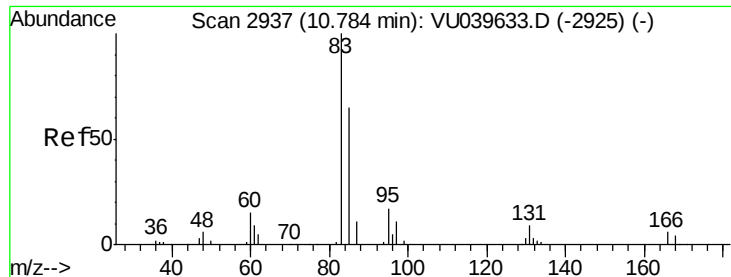
#56
Isopropylbenzene
Concen: 4.439 ug/L
RT: 10.49 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion:105 Resp: 23398
Ion Ratio Lower Upper
105 100
120 24.6 20.6 31.0
77 17.2 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 5.127 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

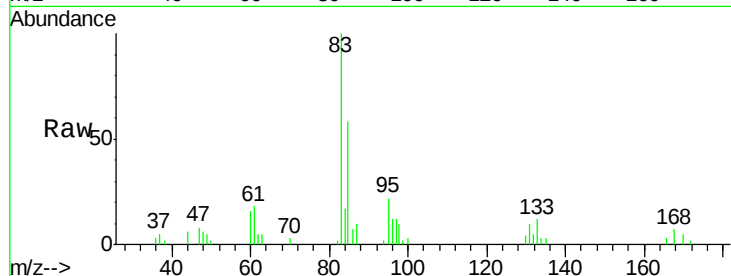
Tgt Ion: 83 Resp: 10365

Ion Ratio Lower Upper

83 100

85 57.6 46.4 86.2

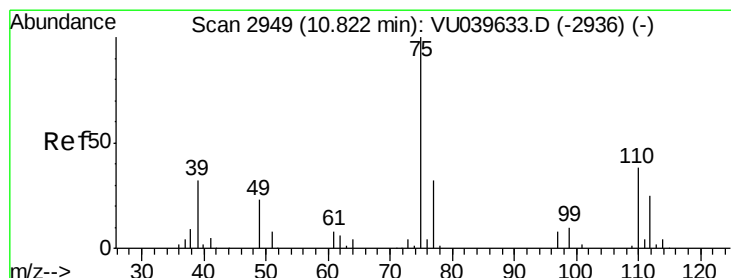
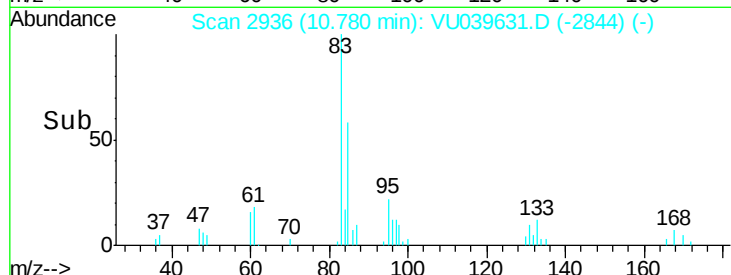
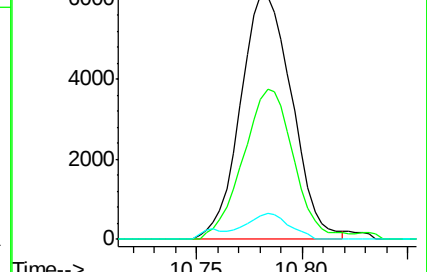
131 9.8 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU039631.D (-2936) (-)

Ion 85.00 (84.70 to 85.70): VU039631.D (-2936) (-)

Ion 131.00 (130.70 to 131.70): VU039631.D (-2936) (-)



#59

1,2,3-Trichloropropane

Concen: 5.115 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039631.D

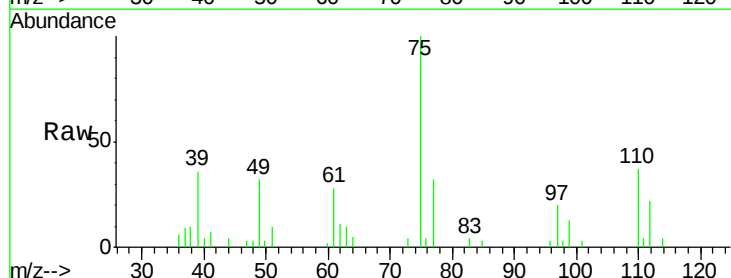
Acq: 23 Jul 2020 11:12

Tgt Ion: 75 Resp: 8776

Ion Ratio Lower Upper

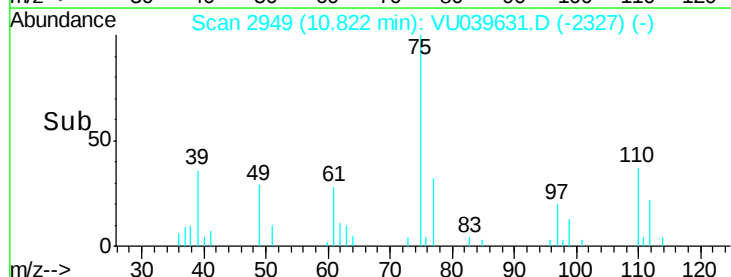
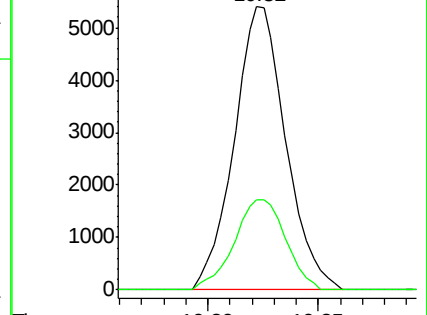
75 100

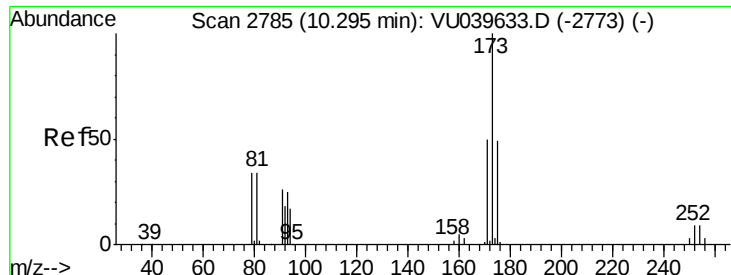
77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039631.D (-2949) (-)

Ion 77.00 (76.70 to 77.70): VU039631.D (-2949) (-)

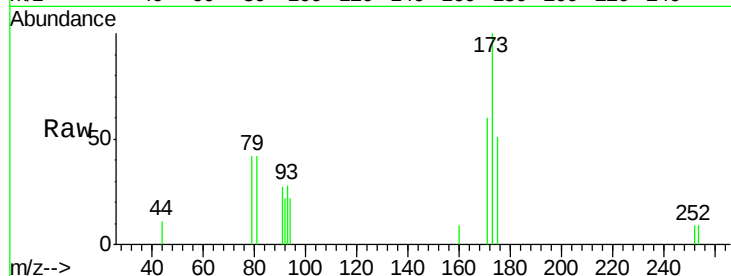




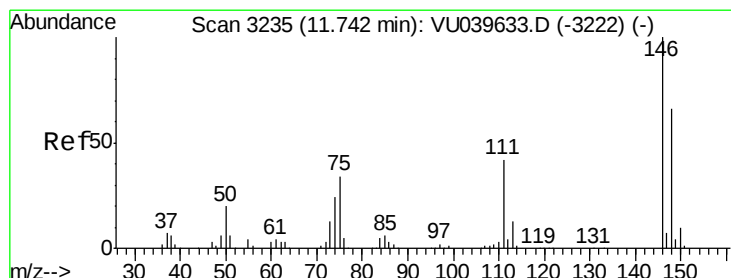
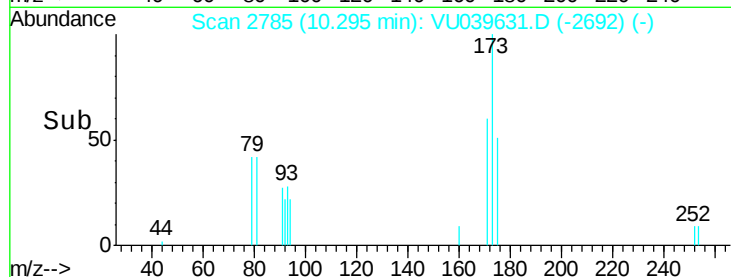
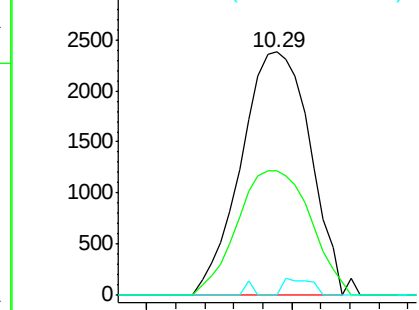
#61
Bromoform
Concen: 4.879 ug/L
RT: 10.29 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion:173 Resp: 3923
Ion Ratio Lower Upper
173 100
175 54.7 38.4 57.6
254 2.2 7.0 10.6#

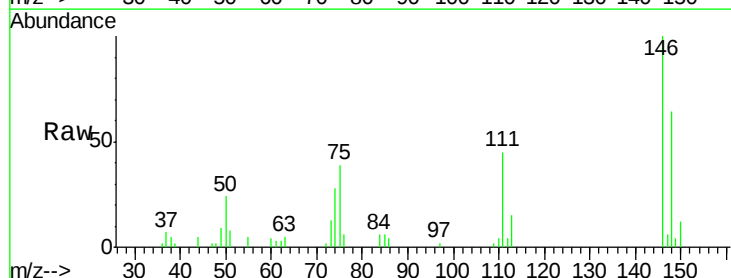


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

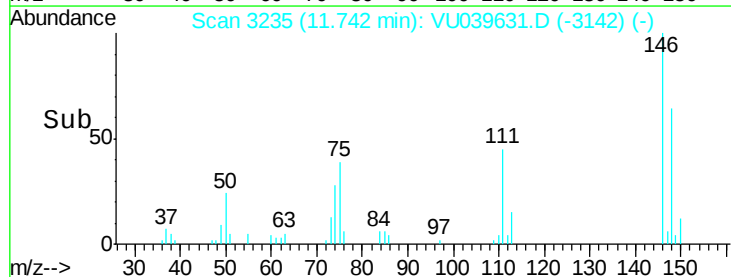
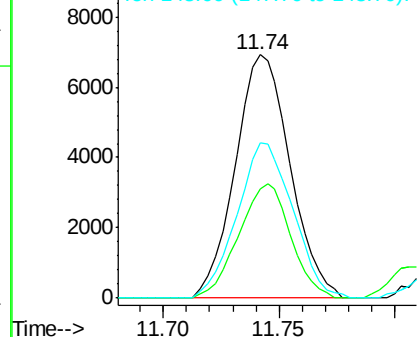


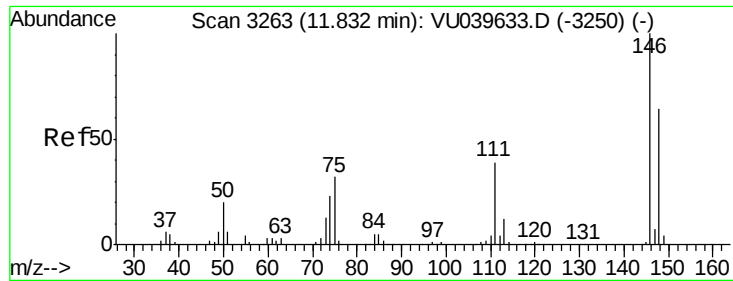
#62
1,3-Dichlorobenzene
Concen: 5.136 ug/L
RT: 11.74 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU039631.D
Acq: 23 Jul 2020 11:12

Tgt Ion:146 Resp: 11393
Ion Ratio Lower Upper
146 100
111 44.7 29.3 54.3
148 63.8 46.1 85.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 5.038 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

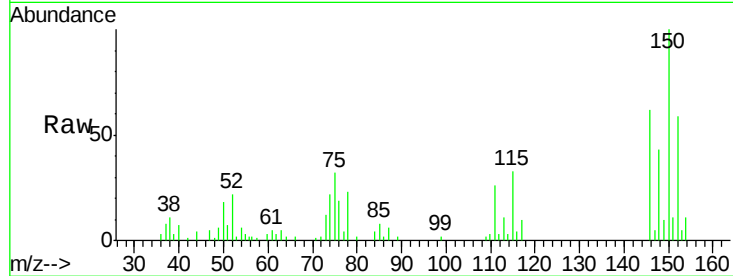
Tgt Ion:146 Resp: 11288

Ion Ratio Lower Upper

146 100

111 42.1 27.8 51.6

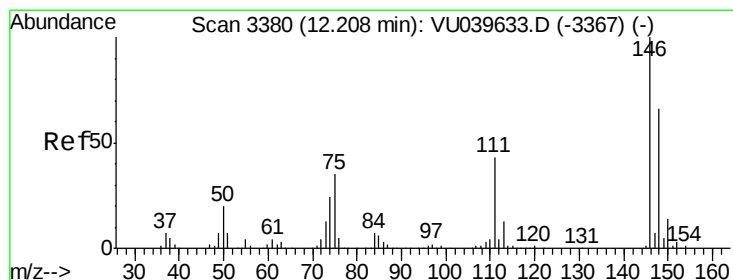
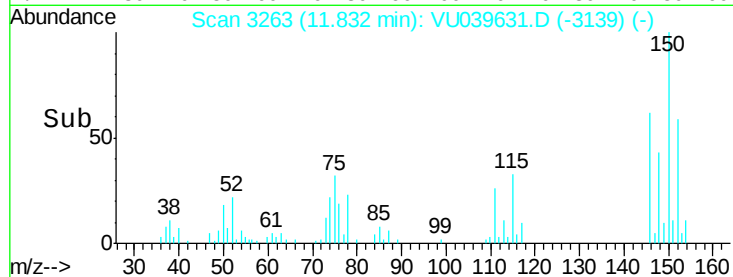
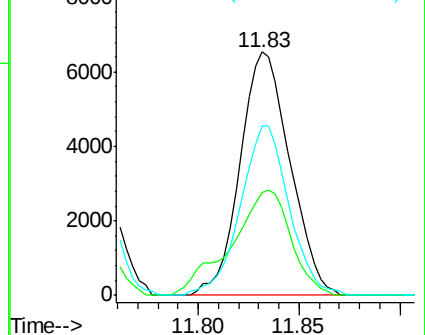
148 69.6 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 5.243 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039631.D

Acq: 23 Jul 2020 11:12

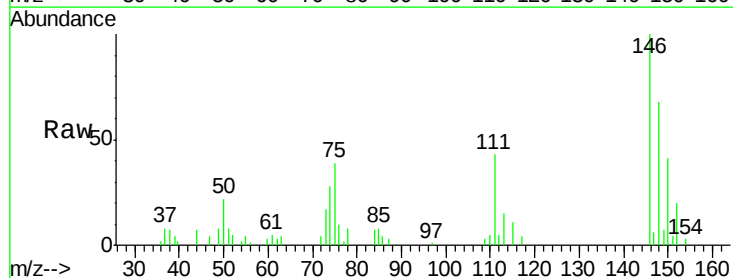
Tgt Ion:146 Resp: 11622

Ion Ratio Lower Upper

146 100

111 43.4 34.8 52.2

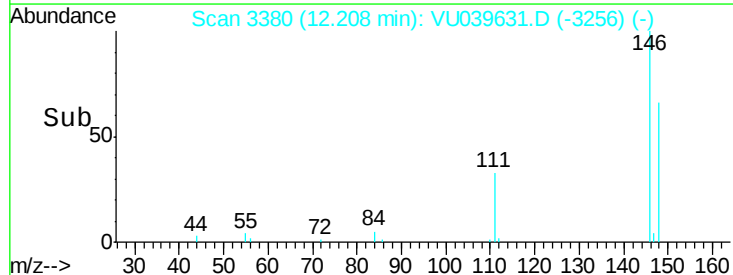
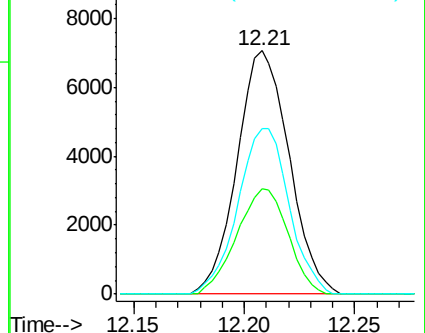
148 68.1 52.5 78.7

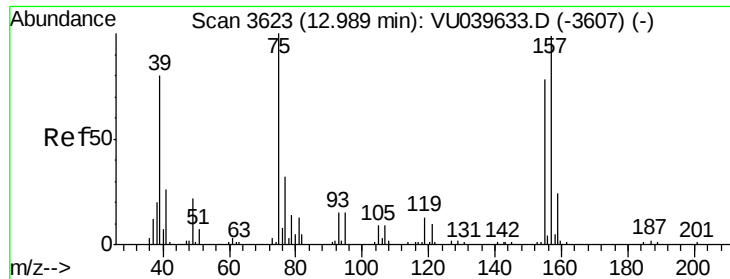


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

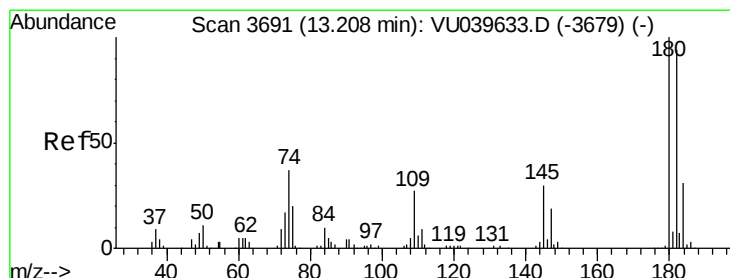
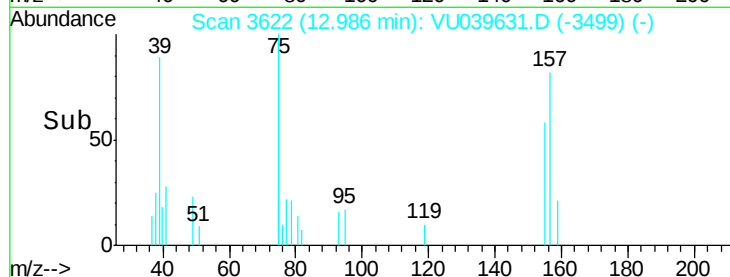
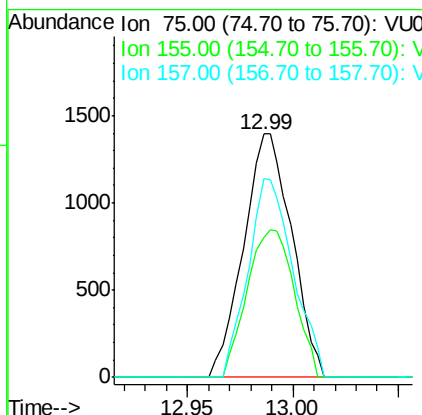
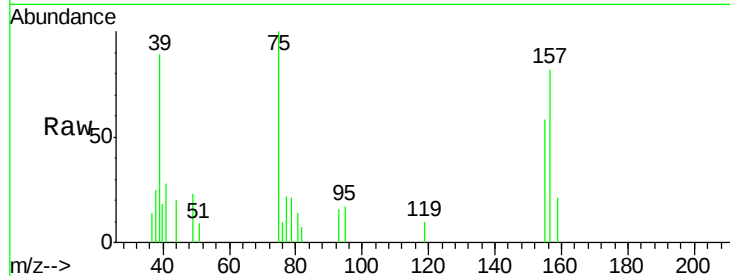




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.769 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

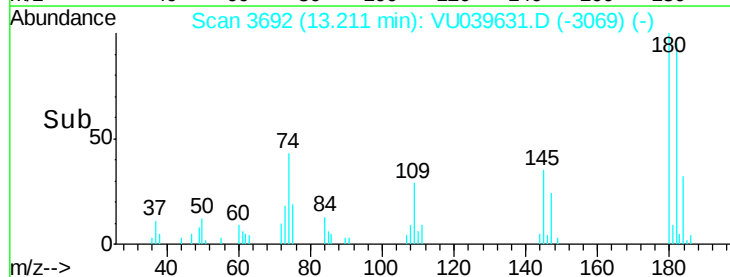
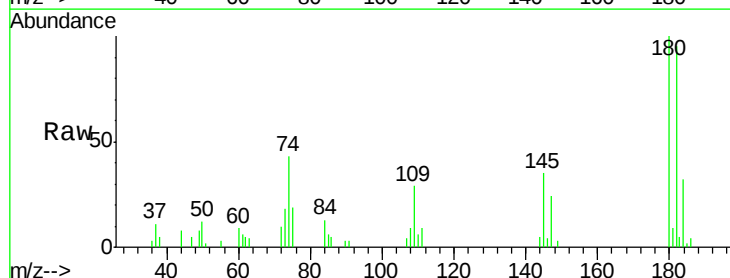
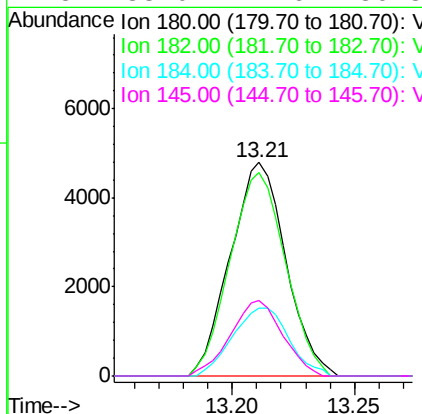
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

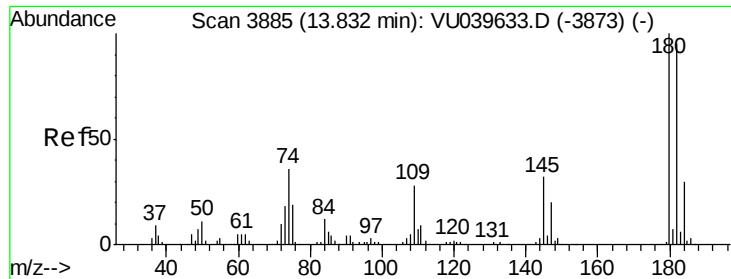
Tgt Ion: 75 Resp: 2212
 Ion Ratio Lower Upper
 75 100
 155 57.7 62.4 93.6#
 157 81.5 78.9 118.3



#67
 1,3,5-Trichlorobenzene
 Concen: 4.740 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

Tgt Ion: 180 Resp: 7575
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.7 113.5
 184 32.2 24.2 36.2
 145 33.0 24.6 36.8

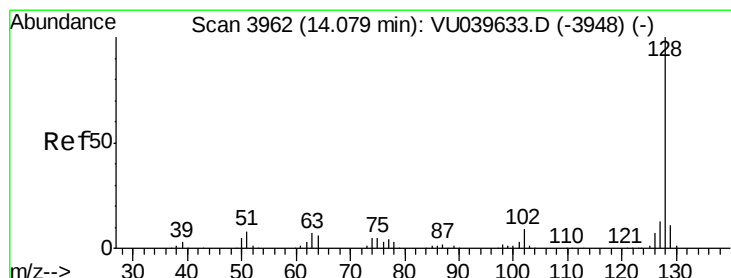
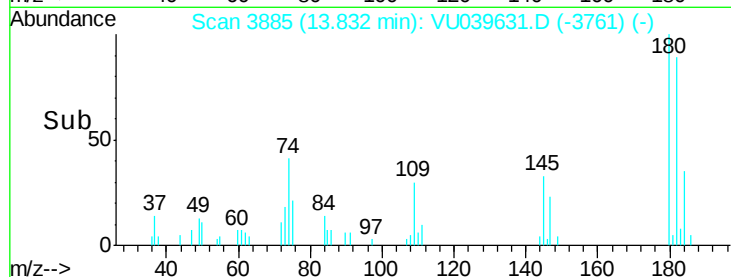
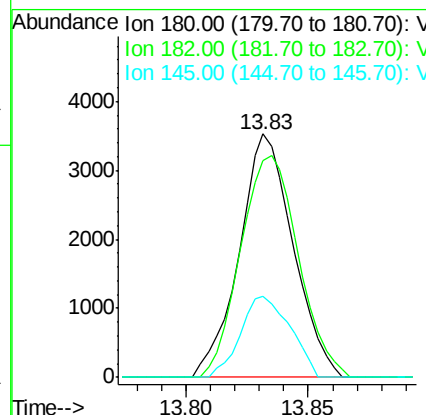
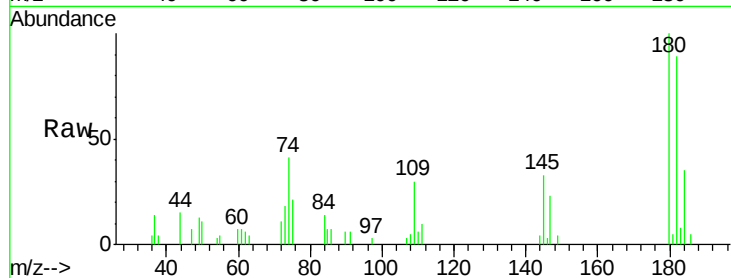




#68
 1,2,4-trichlorobenzene
 Concen: 3.621 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

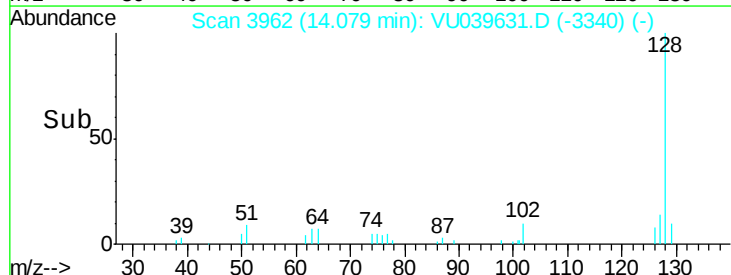
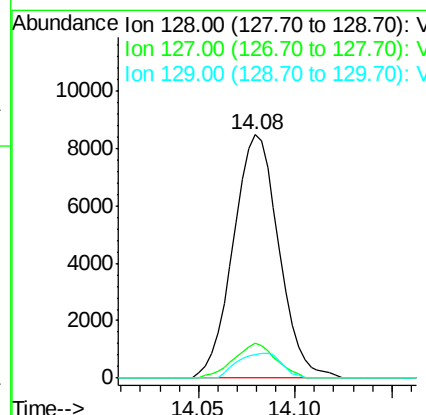
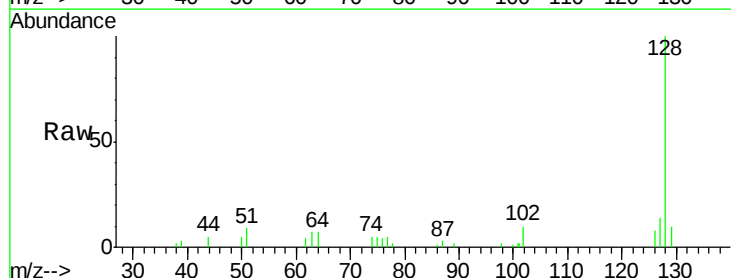
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

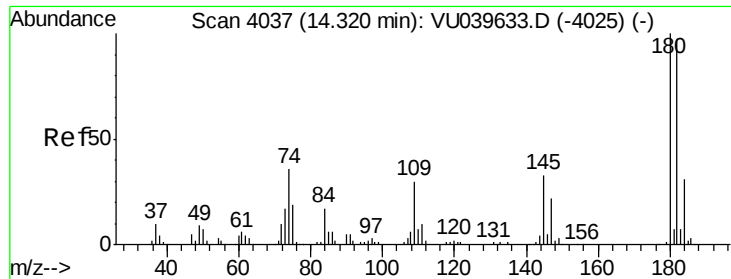
Tgt Ion:180 Resp: 5405
 Ion Ratio Lower Upper
 180 100
 182 97.4 74.4 111.6
 145 30.7 24.8 37.2



#69
 Naphthalene
 Concen: 2.719 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

Tgt Ion:128 Resp: 13896
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.7 16.1
 129 9.9 8.8 13.2

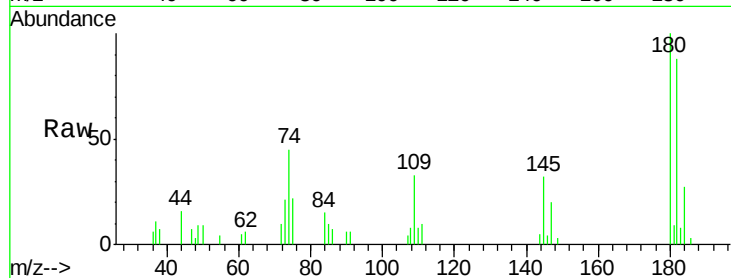




#70
 1,2,3-Trichlorobenzene
 Concen: 4.034 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU039631.D
 Acq: 23 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tgt Ion:180 Resp: 5977
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.6 114.8
 145 30.9 27.0 40.4



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

