

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040349.D
 Acq On : 29 Sep 2020 10:08
 Operator : SY/MD
 Sample : VSTD00506
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Quant Time: Sep 30 01:13:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 01:04:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	133190	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133704	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72300	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32519	4.60	ug/L	0.00
7) Chloroethane-d5	1.92	69	29278	4.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	79805	4.47	ug/L	0.00
20) 2-Butanone-d5	4.65	46	166409	56.70	ug/L	0.00
24) Chloroform-d	5.08	84	78021	4.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	47340	4.64	ug/L	0.00
32) Benzene-d6	5.74	84	135551	4.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	49227	4.87	ug/L	0.00
41) Toluene-d8	7.91	98	123501	4.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	19380	4.26	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	121691	54.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47276	5.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	52327	4.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	68382	5.219 ug/L	100
3) Chloromethane	1.53	50	66479	5.253 ug/L	100
5) Vinyl chloride	1.61	62	64916	5.090 ug/L	100
6) Bromomethane	1.87	94	32111	4.972 ug/L	100
8) Chloroethane	1.94	64	40028	5.224 ug/L	100
9) Trichlorofluoromethane	2.15	101	89139	4.950 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	57328	4.896 ug/L	100
12) 1,1-Dichloroethene	2.59	96	52398	5.155 ug/L	100
13) Acetone	2.66	43	133462	51.046 ug/L	100
14) Carbon disulfide	2.81	76	164573	5.042 ug/L	100
15) Methyl Acetate	2.97	43	32750	4.885 ug/L	100
16) Methylene chloride	3.06	84	60747	4.559 ug/L	100
17) Methyl tert-butyl Ether	3.38	73	140204	4.658 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	54673	4.992 ug/L	100
19) 1,1-Dichloroethane	3.89	63	110532	4.930 ug/L	100
21) 2-Butanone	4.73	43	225896	52.265 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	60536	5.116 ug/L	100
23) Bromochloromethane	4.99	128	27639	5.334 ug/L	100
25) Chloroform	5.11	83	114248	4.975 ug/L	100
27) 1,2-Dichloroethane	5.81	62	77623	4.692 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	94306	4.637 ug/L	100
30) Cyclohexane	5.41	56	96430	4.840 ug/L	100
31) Carbon tetrachloride	5.54	117	81057	4.635 ug/L	100
33) Benzene	5.79	78	234349	4.974 ug/L	100
34) Trichloroethene	6.55	95	60163	4.797 ug/L	100
35) Methylcyclohexane	6.77	83	90314	4.712 ug/L	100
37) 1,2-Dichloropropane	6.80	63	63086	4.978 ug/L	100
38) Bromodichloromethane	7.11	83	80680	4.685 ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	86833	4.715 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	524143	50.516 ug/L	100

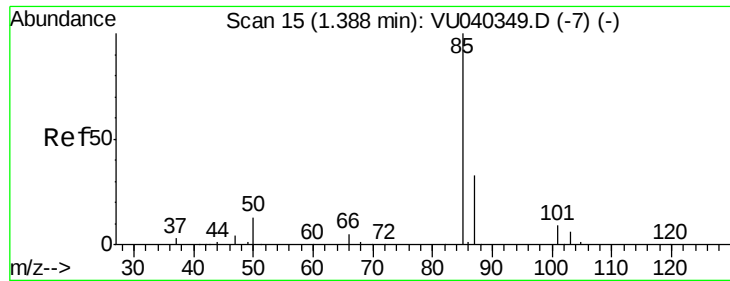
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	245585	5.069	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	79804	4.664	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	45894	4.992	ug/L	100
47) Tetrachloroethene	8.56	164	42682	5.101	ug/L	100
48) 2-Hexanone	8.69	43	382445	50.714	ug/L	100
49) Dibromochloromethane	8.82	129	52602	4.764	ug/L	100
50) 1,2-Dibromoethane	8.93	107	44765	5.018	ug/L	100
51) Chlorobenzene	9.45	112	156310	5.154	ug/L	100
52) Ethylbenzene	9.57	91	262648	4.818	ug/L	100
53) m,p-Xylene	9.69	106	99793	5.097	ug/L	100
54) o-Xylene	10.10	106	96259	5.171	ug/L	100
55) Styrene	10.11	104	169722	5.219	ug/L	100
56) Isopropylbenzene	10.48	105	256288	5.064	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	61043	5.081	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	46033	4.912	ug/L	100
61) Bromoform	10.29	173	29705	4.604	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	125195	4.819	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	126615	4.831	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	119954	4.782	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	10135	3.956	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	85307	4.690	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	70685	4.581	ug/L	100
69) Naphthalene	14.08	128	121435	3.933	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	66099	4.650	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.219 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

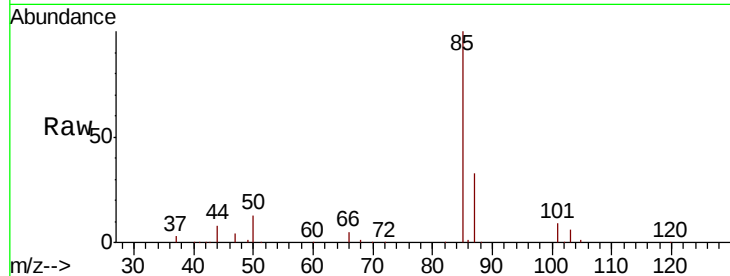
VSTD00506

Tot Ion: 85 Resp: 68382

Ion Ratio Lower Upper

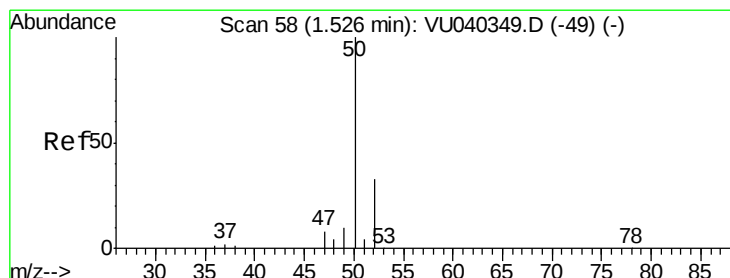
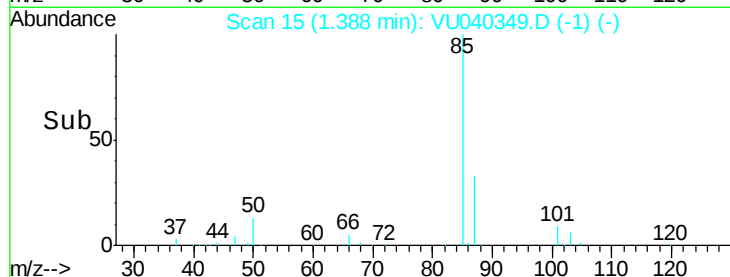
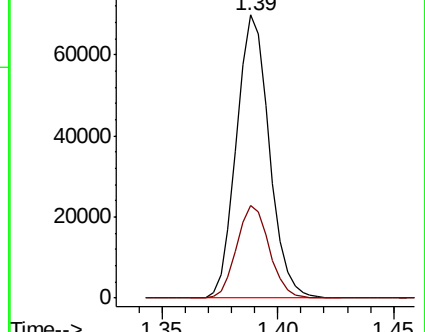
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040349.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040349.D (-7) (-)



#3

Chloromethane

Concen: 5.253 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040349.D

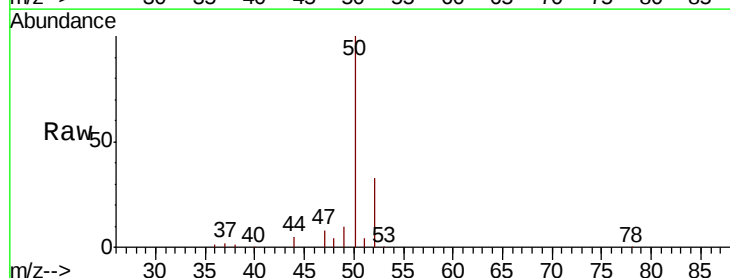
Acq: 29 Sep 2020 10:08

Tgt Ion: 50 Resp: 66479

Ion Ratio Lower Upper

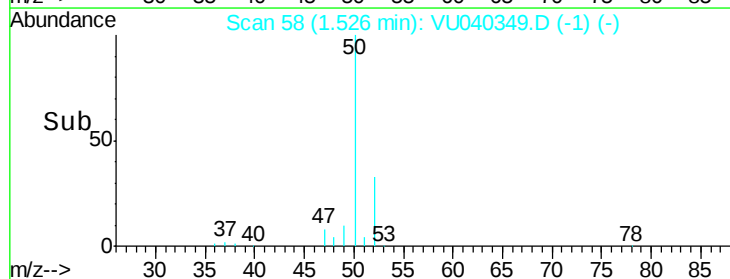
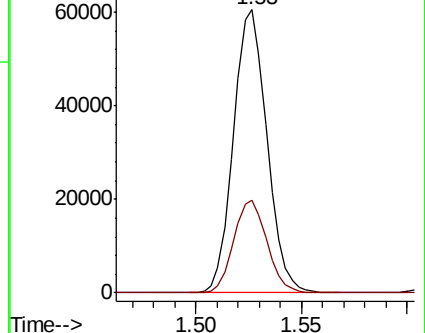
50 100

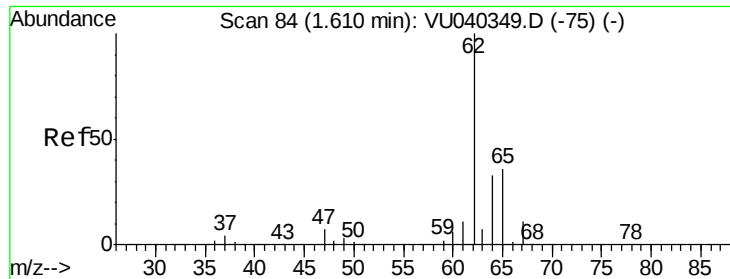
52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040349.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040349.D (-49) (-)





#5

Vinyl chloride

Concen: 5.090 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

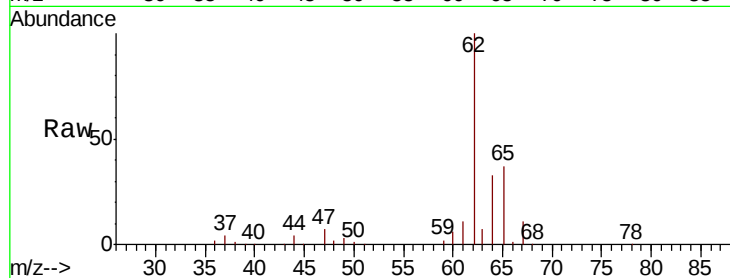
VSTD00506

Tot Ion: 62 Resp: 64916

Ion Ratio Lower Upper

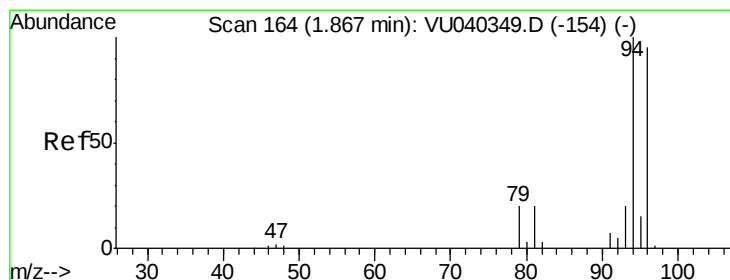
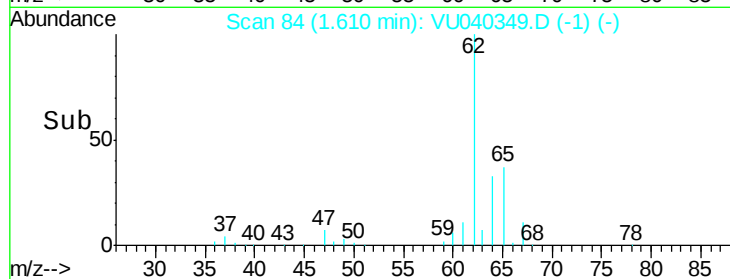
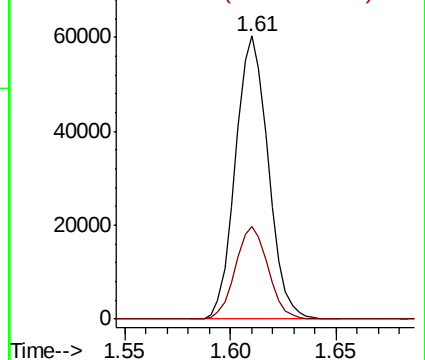
62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.972 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040349.D

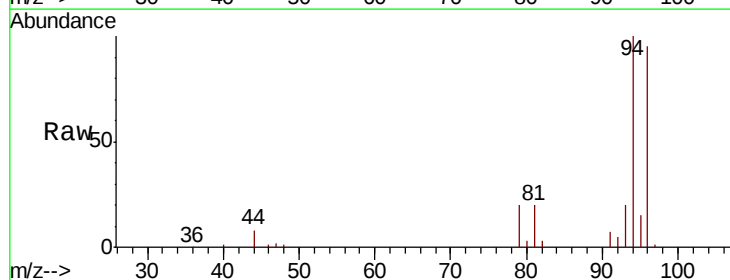
Acq: 29 Sep 2020 10:08

Tgt Ion: 94 Resp: 32111

Ion Ratio Lower Upper

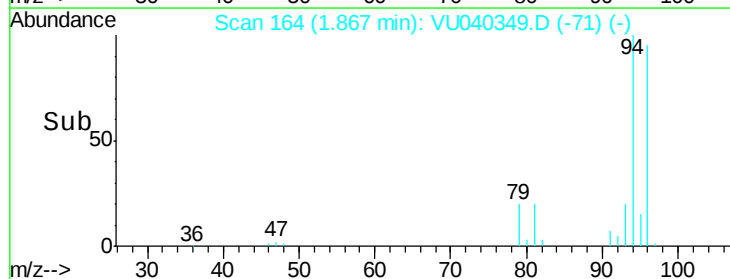
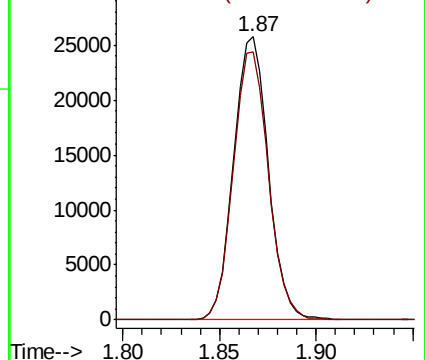
94 100

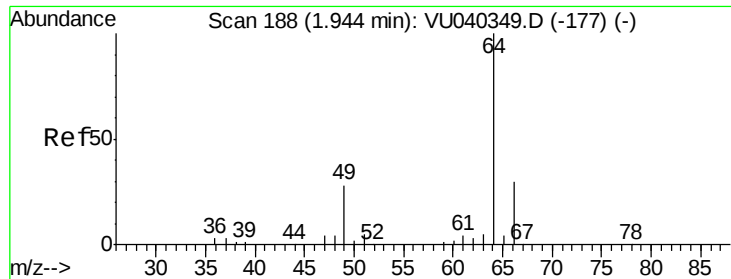
96 94.7 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

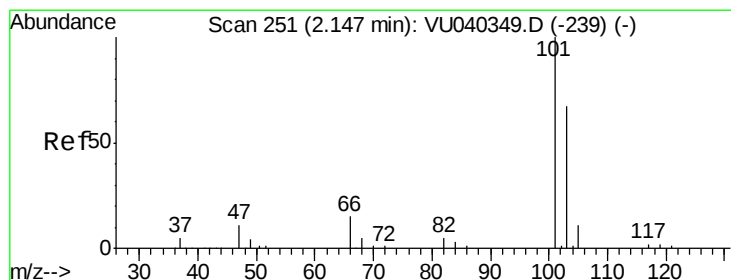
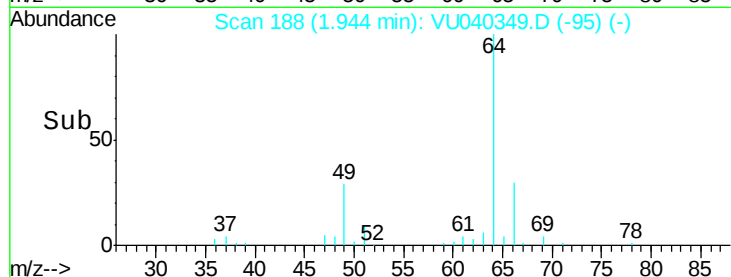
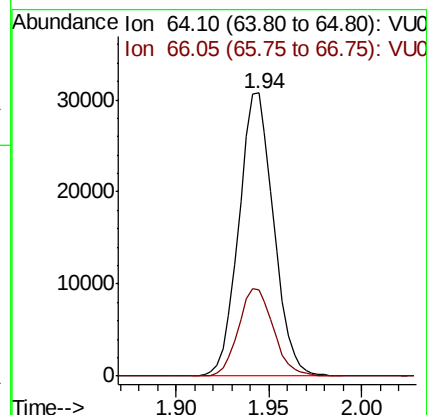
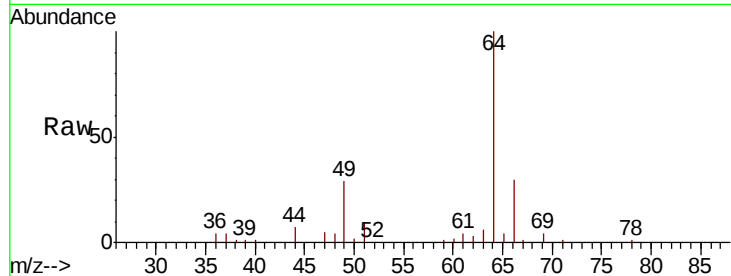




#8
Chloroethane
Concen: 5.224 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

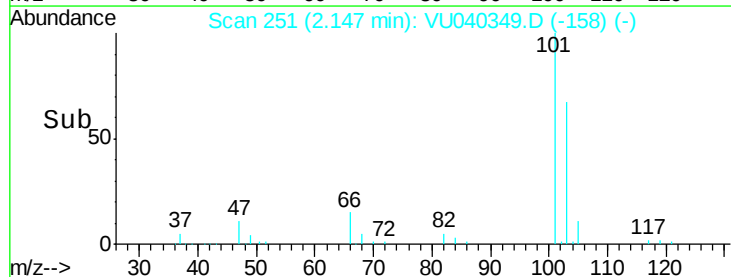
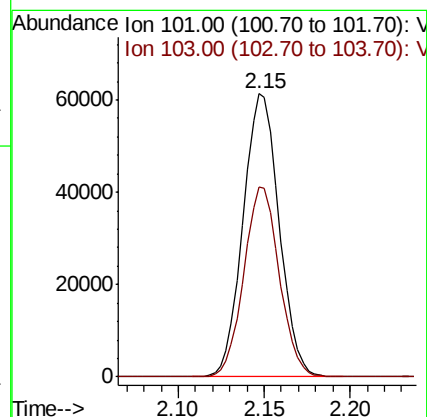
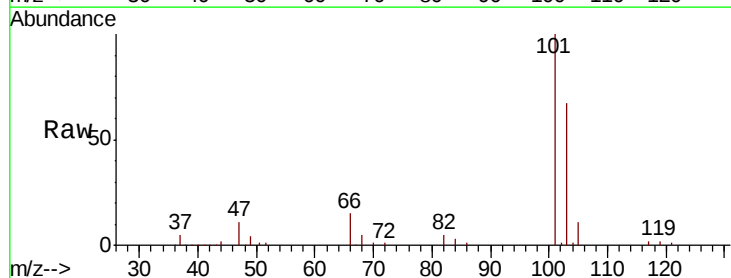
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

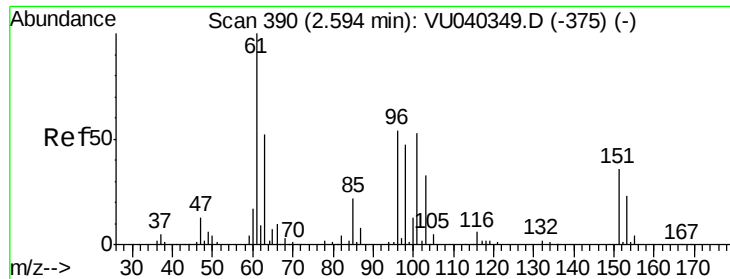
Tot Ion: 64 Resp: 40028
Ion Ratio Lower Upper
64 100
66 30.5 21.3 39.6



#9
Trichlorofluoromethane
Concen: 4.950 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

Tgt Ion:101 Resp: 89139
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0





#10

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

Concen: 4.896 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

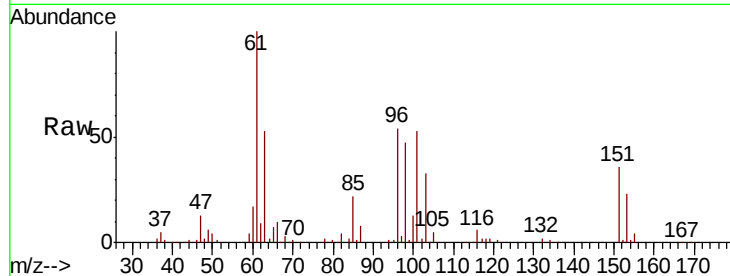
Tot Ion:101 Resp: 57328

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

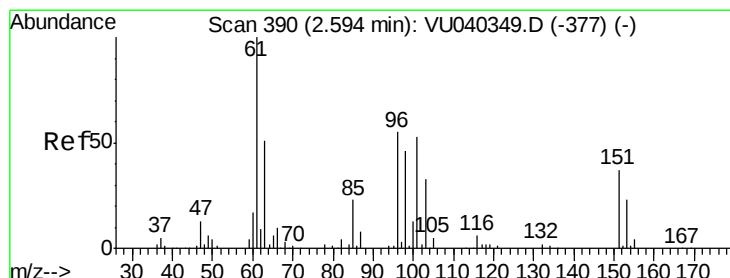
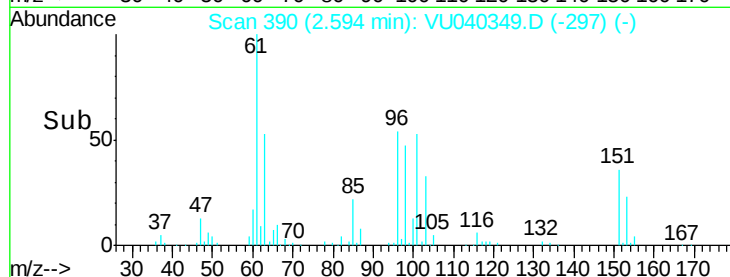
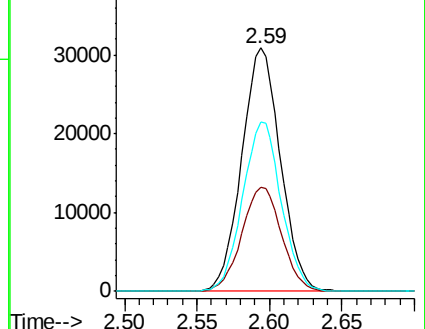
151 69.3 55.4 83.2



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



#12

1,1-Dichloroethene

Concen: 5.155 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

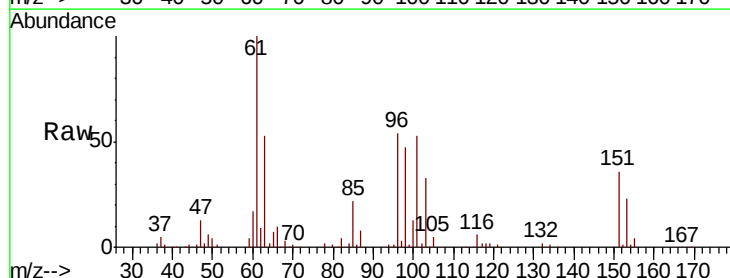
Tgt Ion: 96 Resp: 52398

Ion Ratio Lower Upper

96 100

61 183.7 128.6 238.8

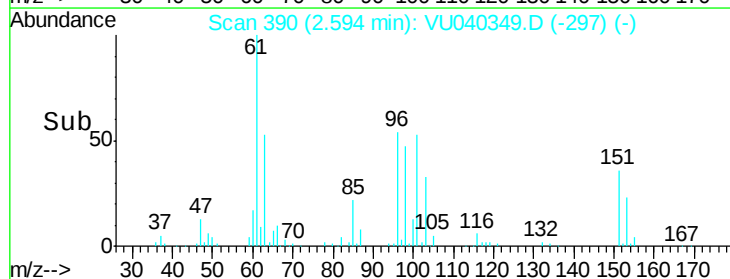
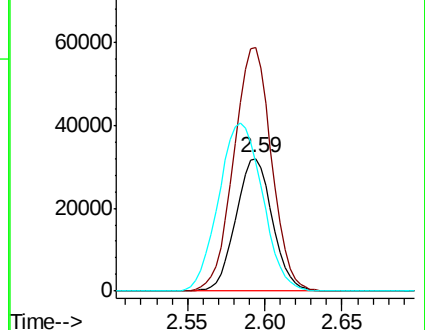
63 96.9 67.8 126.0

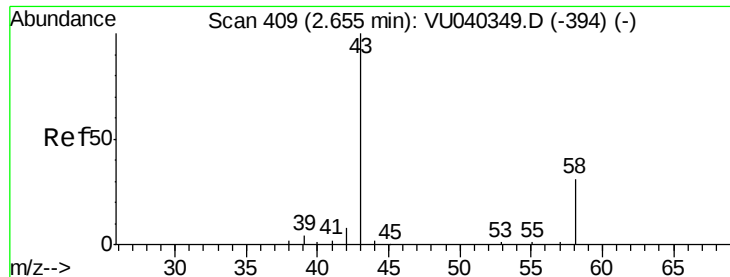


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.046 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

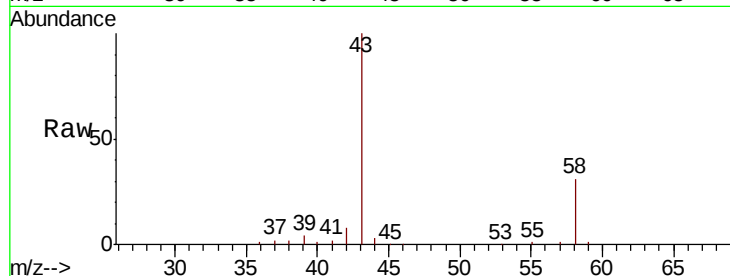
VSTD00506

Tot Ion: 43 Resp: 133462

Ion Ratio Lower Upper

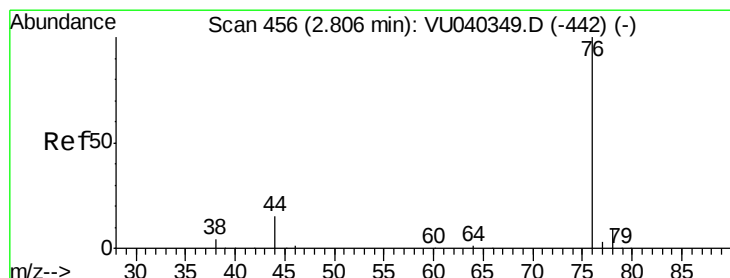
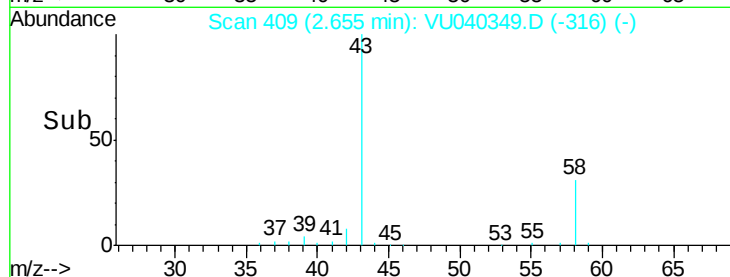
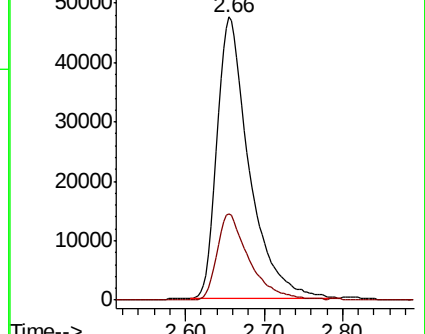
43 100

58 30.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.042 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040349.D

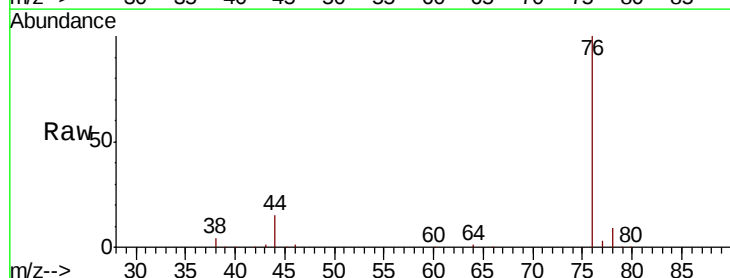
Acq: 29 Sep 2020 10:08

Tgt Ion: 76 Resp: 164573

Ion Ratio Lower Upper

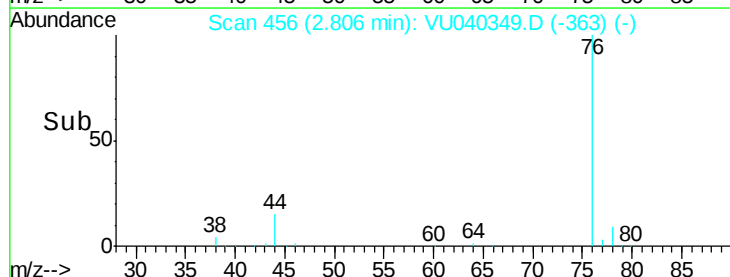
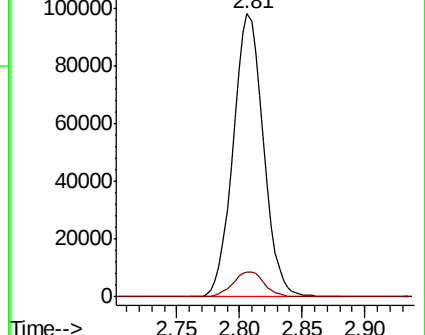
76 100

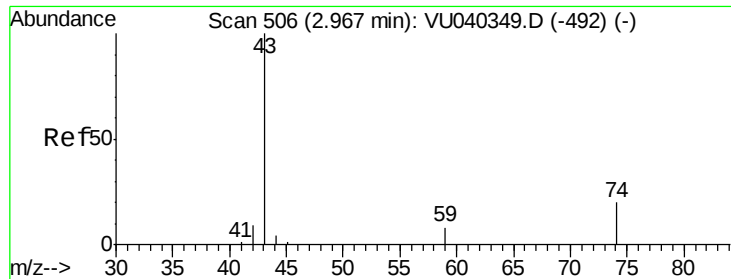
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 4.885 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

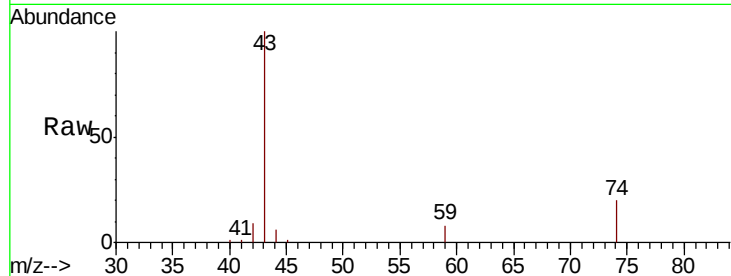
VSTD00506

Tot Ion: 43 Resp: 32750

Ion Ratio Lower Upper

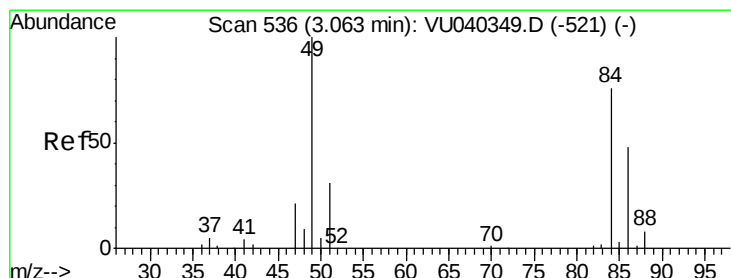
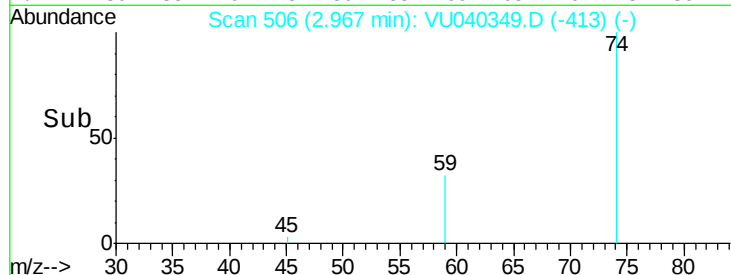
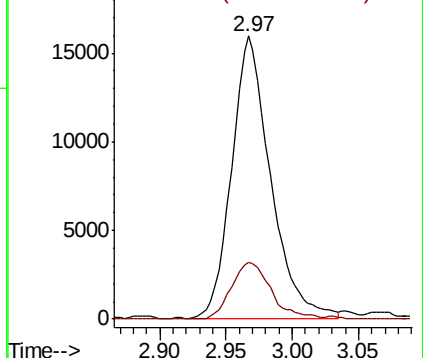
43 100

74 20.4 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.559 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

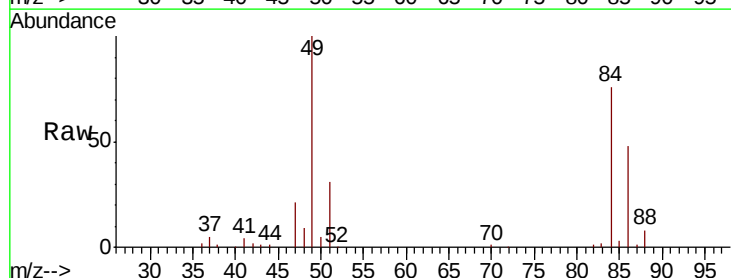
Tgt Ion: 84 Resp: 60747

Ion Ratio Lower Upper

84 100

86 63.5 44.4 82.5

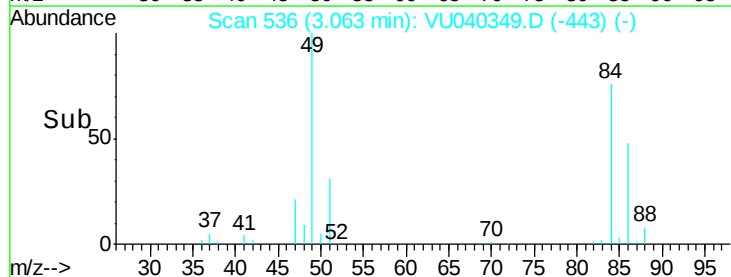
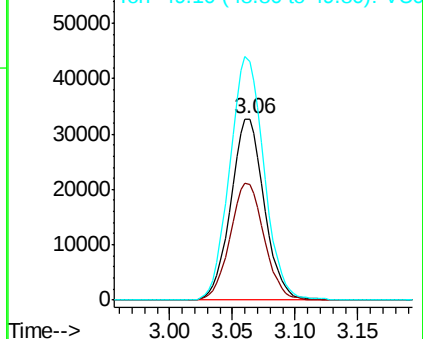
49 131.7 92.2 171.2

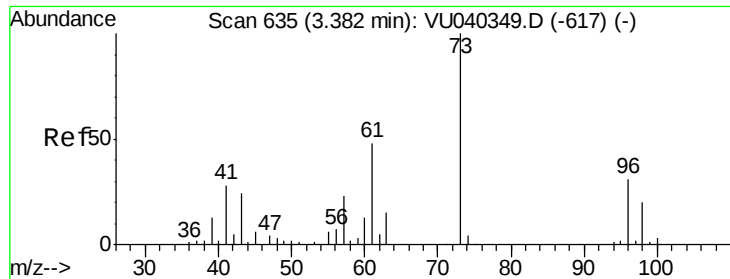


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methvl tert-butvl Ether

Concen: 4.658 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

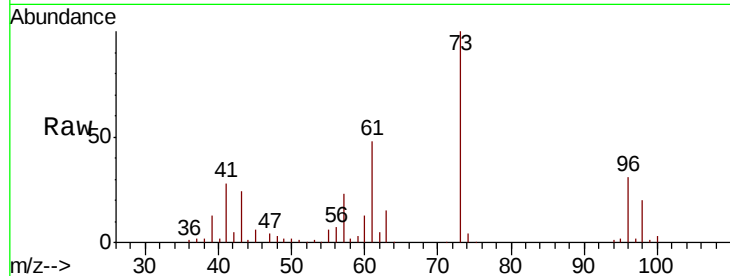
Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tot Ion: 73 Resp: 140204

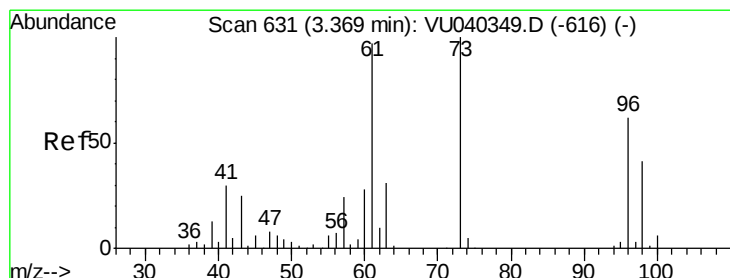
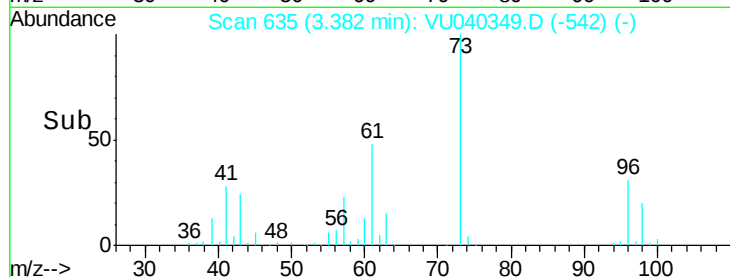
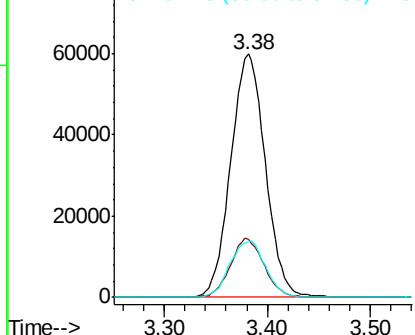
Ion	Ratio	Lower	Upper
73	100		
43	23.7	19.0	28.4
57	23.6	18.9	28.3



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 4.992 ug/L

RT: 3.37 min Scan# 631

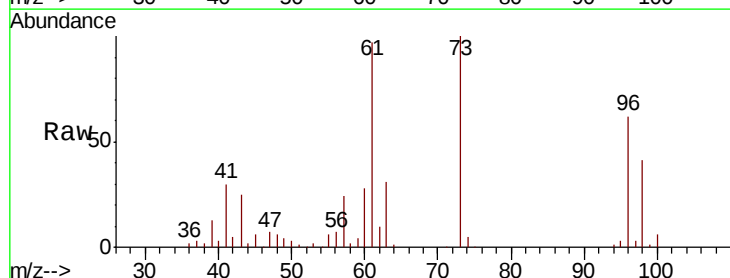
Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Tgt Ion: 96 Resp: 54673

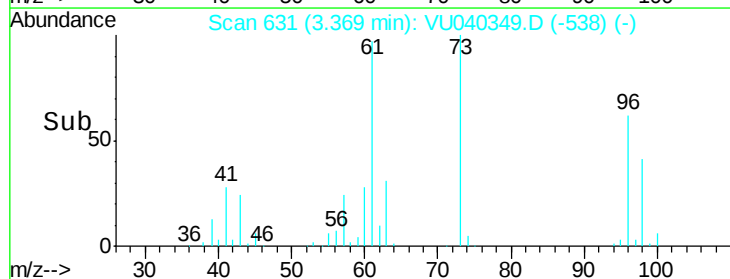
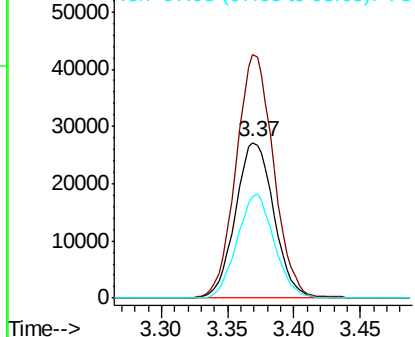
Ion	Ratio	Lower	Upper
96	100		
61	156.2	109.3	203.1
98	65.4	45.8	85.0

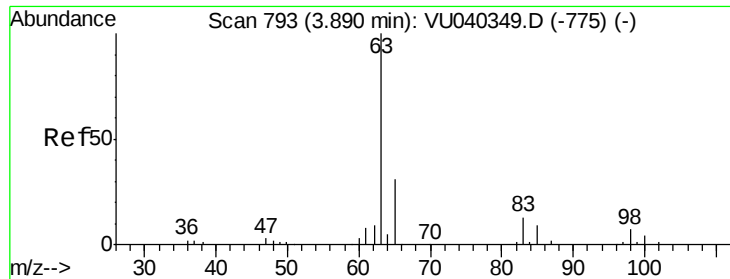


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

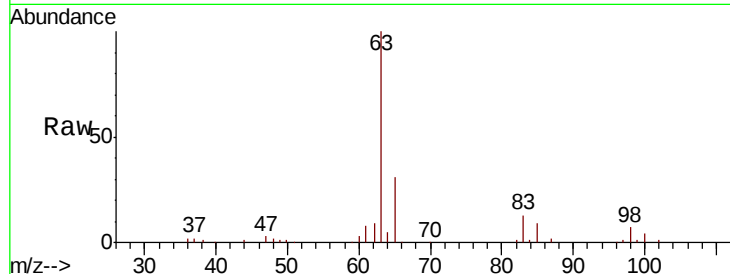




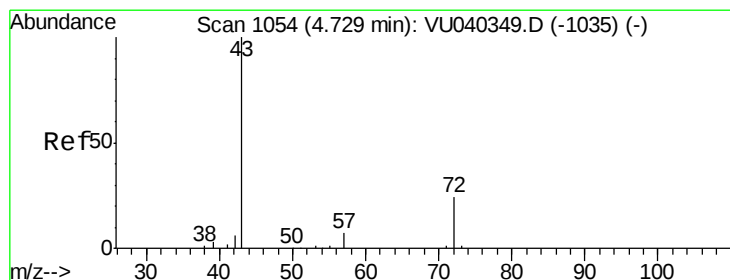
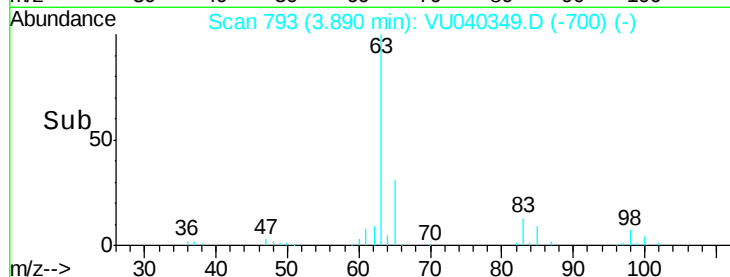
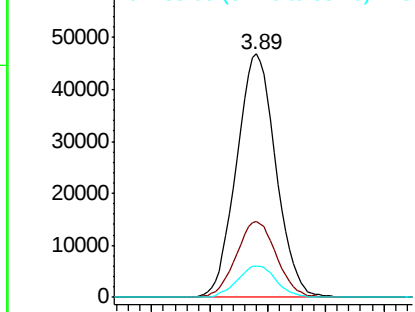
#19
 1,1-Dichloroethane
 Concen: 4.930 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tot Ion: 63 Resp: 110532
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.7 40.3
 83 13.0 9.1 16.9

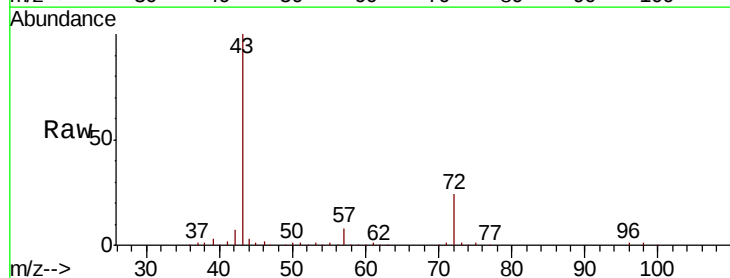


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

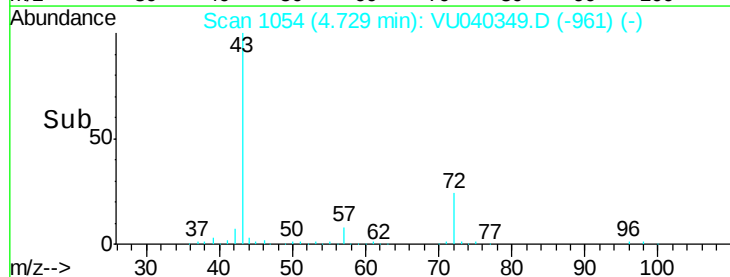
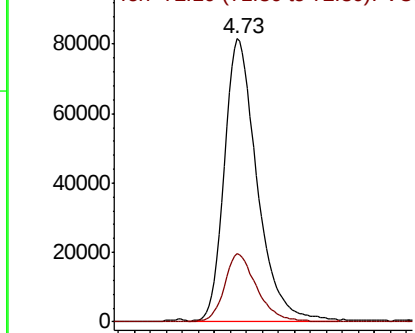


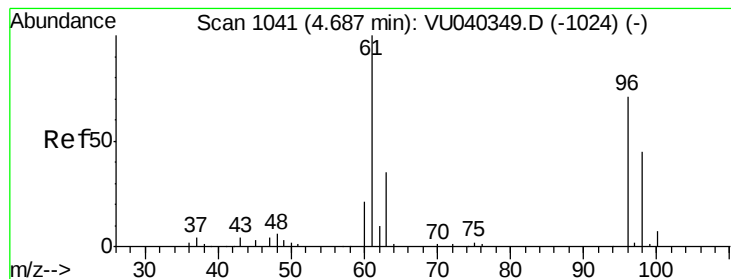
#21
 2-Butanone
 Concen: 52.265 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion: 43 Resp: 225896
 Ion Ratio Lower Upper
 43 100
 72 24.1 12.0 36.1



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





#22

cis-1,2-Dichloroethene

Concen: 5.116 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

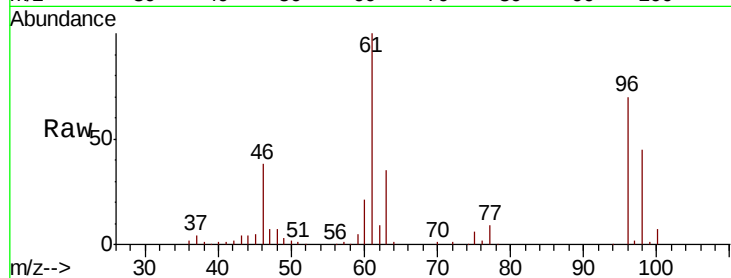
Tot Ion: 96 Resp: 60536

Ion Ratio Lower Upper

96 100

61 141.9 99.3 184.5

68 0.0 0.0 0.0

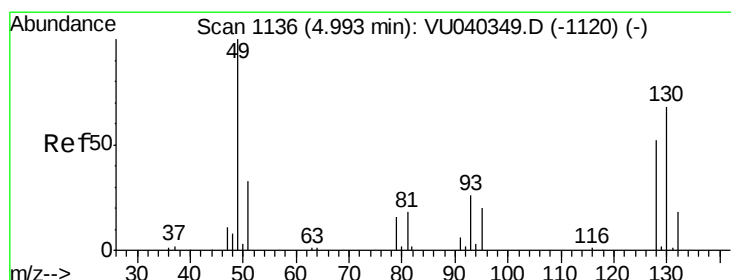
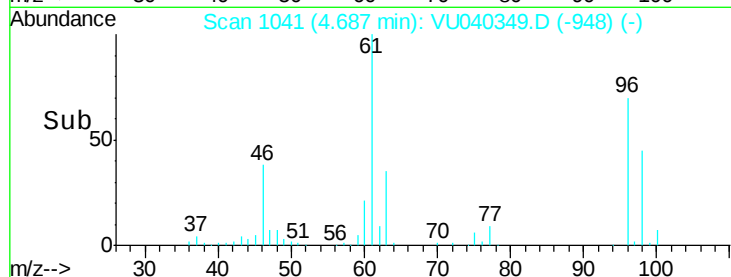
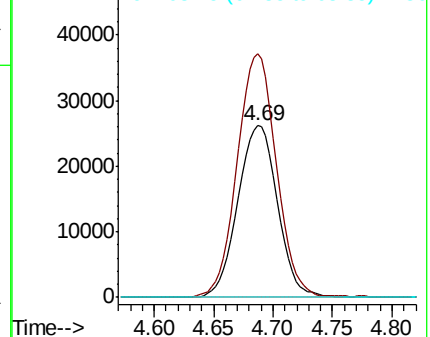


Abundance

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: 5.334 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Tgt Ion: 128 Resp: 27639

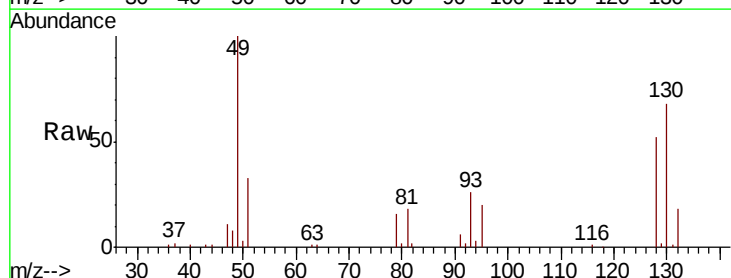
Ion Ratio Lower Upper

128 100

49 192.3 134.6 250.0

130 130.1 91.1 169.1

51 63.2 50.6 75.8



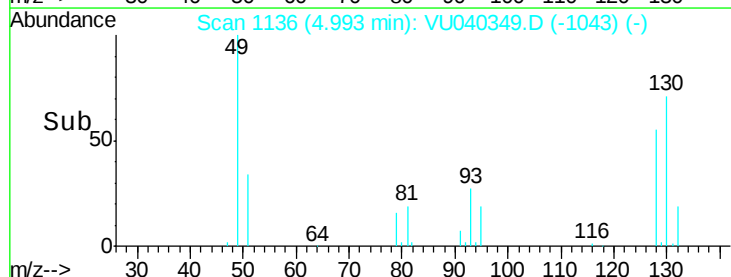
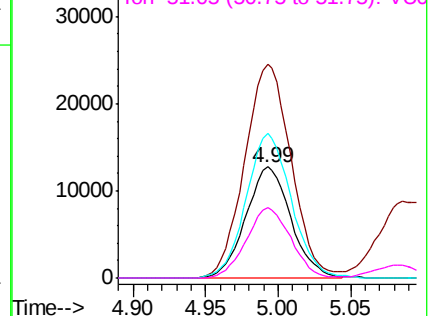
Abundance

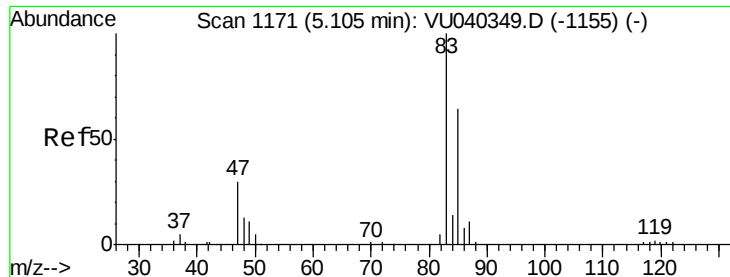
Ion 127.90 (127.60 to 128.60): V

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

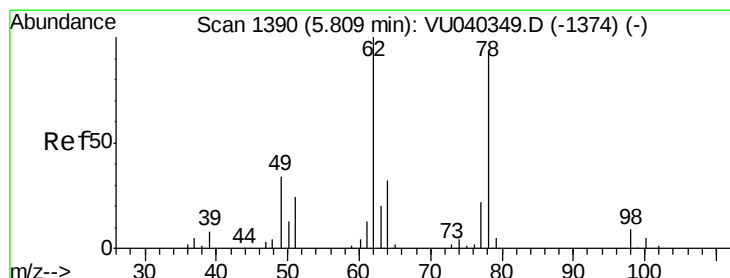
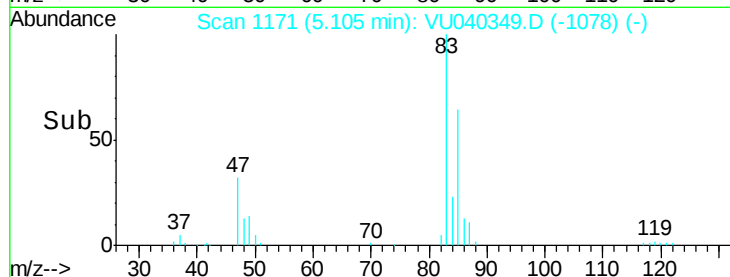
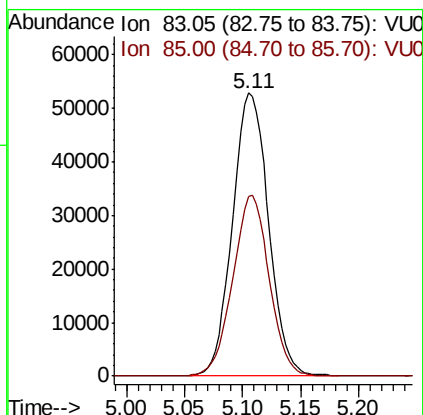
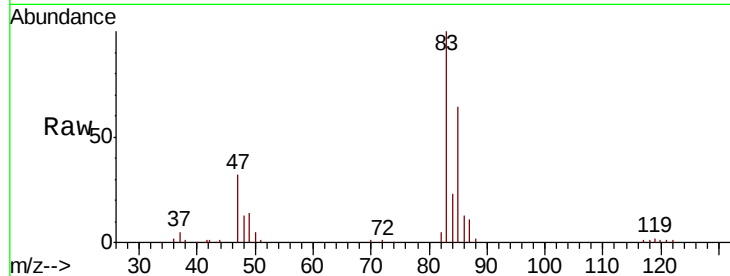




#25
Chloroform
Concen: 4.975 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

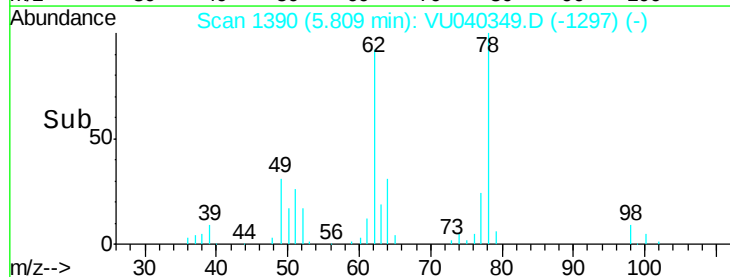
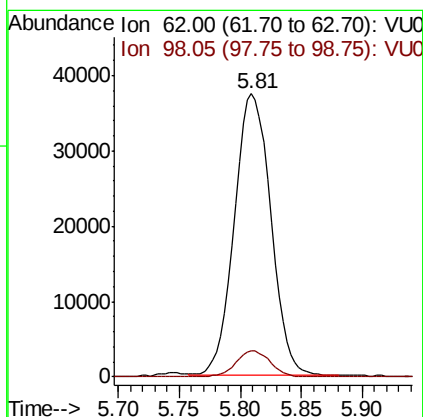
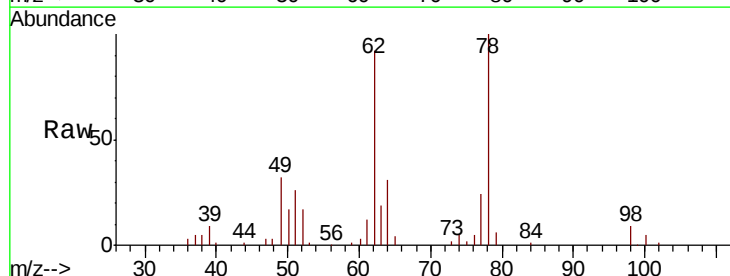
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

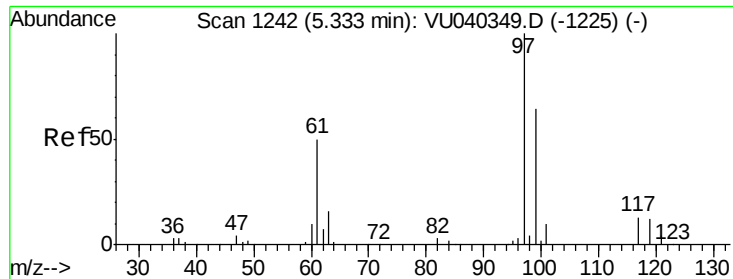
Tot Ion: 83 Resp: 114248
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.692 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

Tgt Ion: 62 Resp: 77623
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

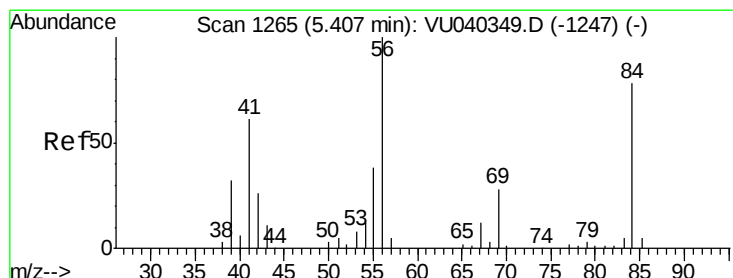
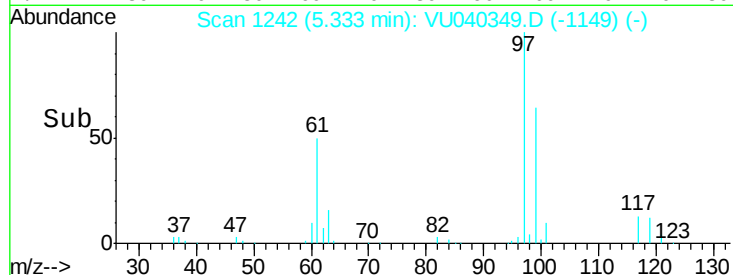
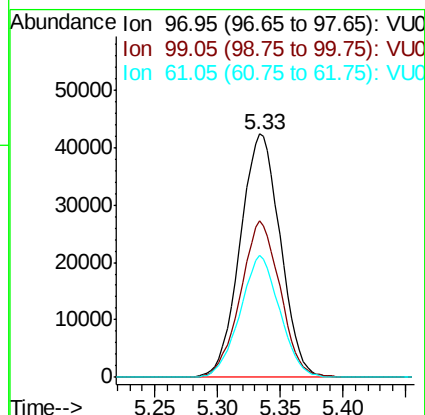
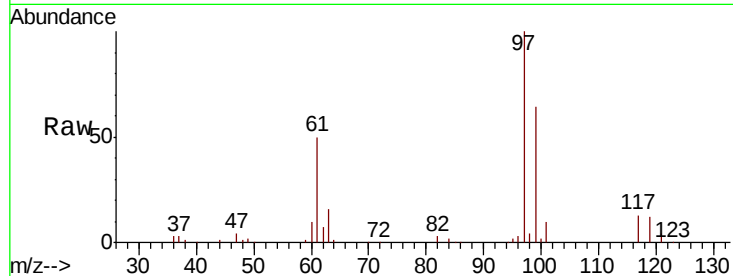




#29
1,1,1-Trichloroethane
Concen: 4.637 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

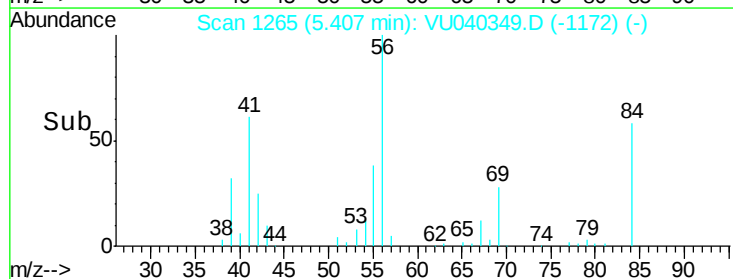
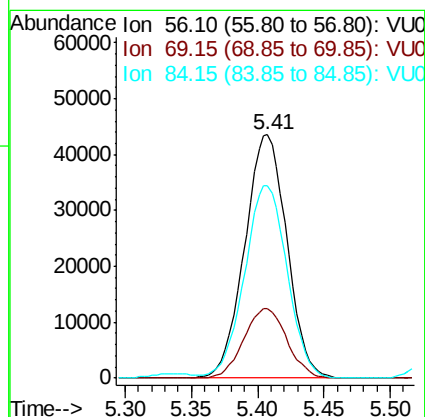
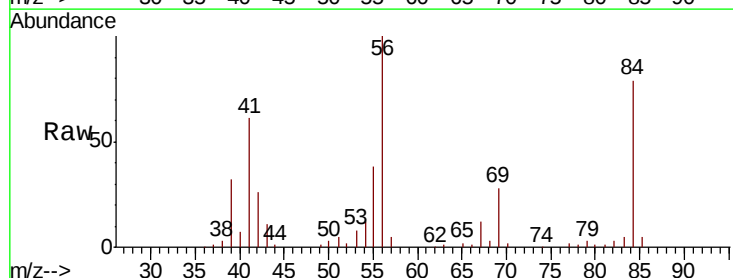
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

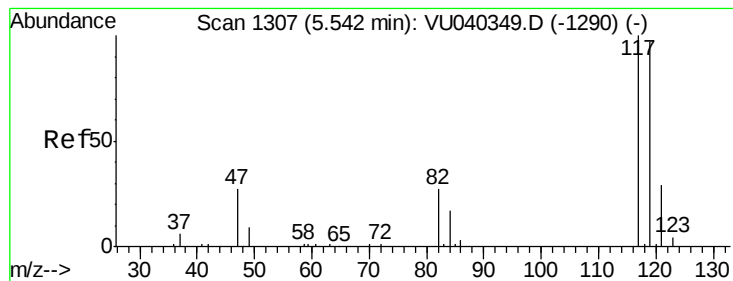
Tot Ion: 97 Resp: 94306
Ion Ratio Lower Upper
97 100
99 63.4 50.7 76.1
61 49.6 39.7 59.5



#30
Cyclohexane
Concen: 4.840 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

Tgt Ion: 56 Resp: 96430
Ion Ratio Lower Upper
56 100
69 29.1 23.3 34.9
84 80.3 64.2 96.4





#31

Carbon tetrachloride

Concen: 4.635 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

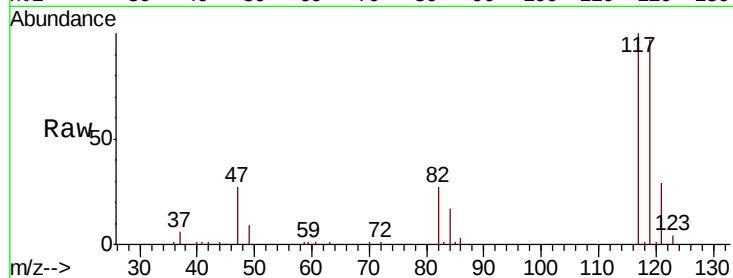
VSTD00506

Tot Ion:117 Resp: 81057

Ion Ratio Lower Upper

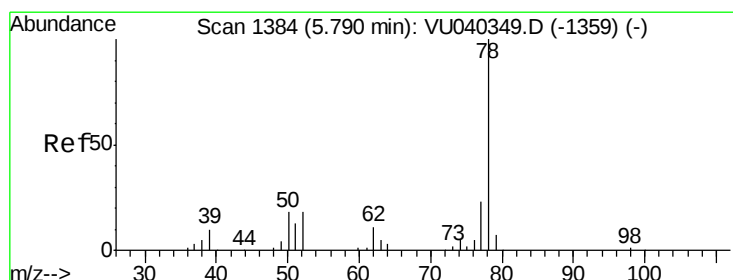
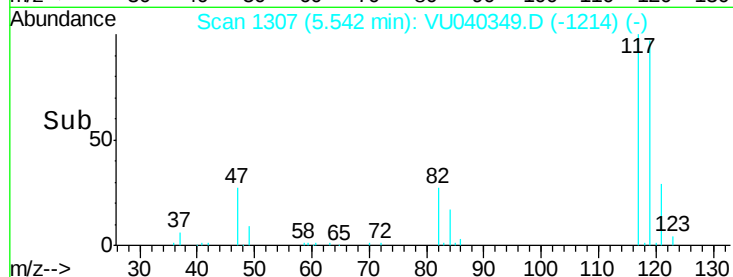
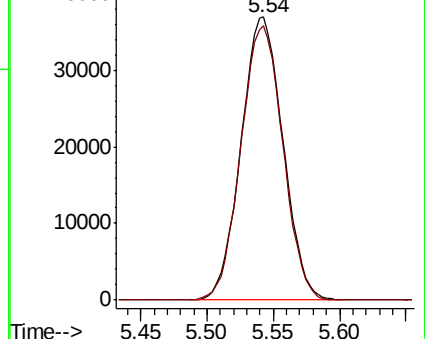
117 100

119 96.9 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.974 ug/L

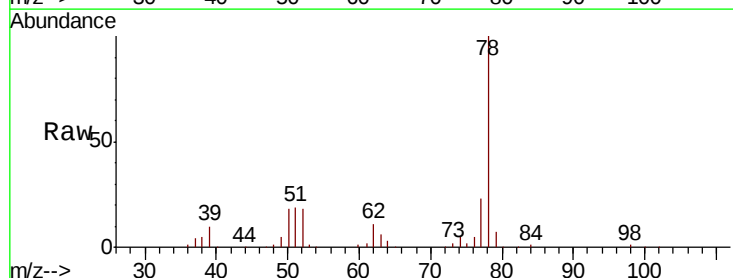
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

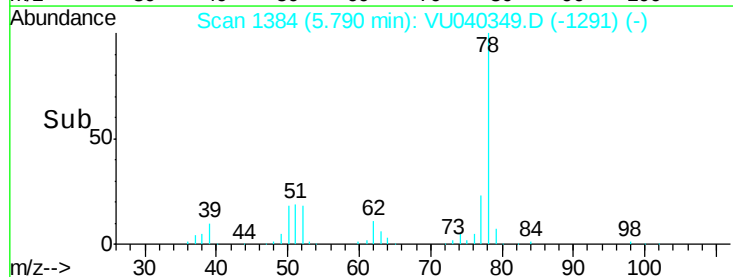
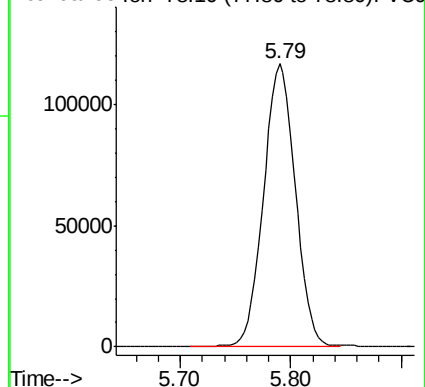
Lab File: VU040349.D

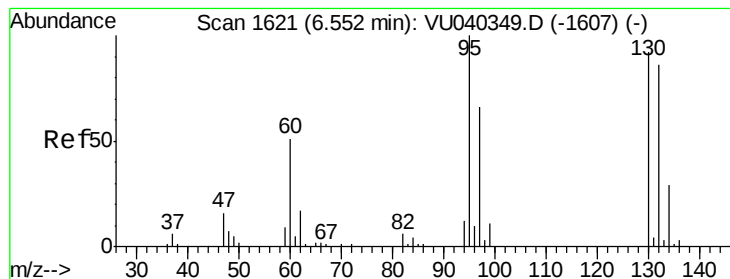
Acq: 29 Sep 2020 10:08

Tgt Ion: 78 Resp: 234349



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.797 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tot Ion: 95 Resp: 60163

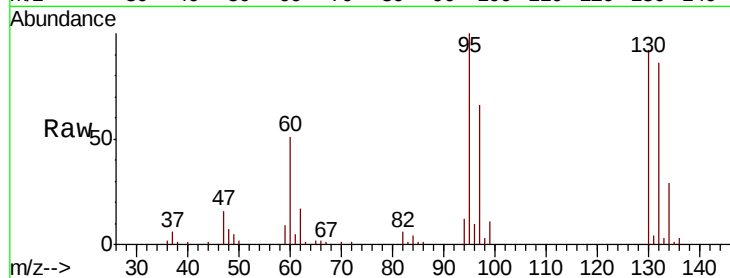
Ion Ratio Lower Upper

95 100

97 66.1 46.3 85.9

132 86.4 60.5 112.3

130 91.8 64.3 119.3

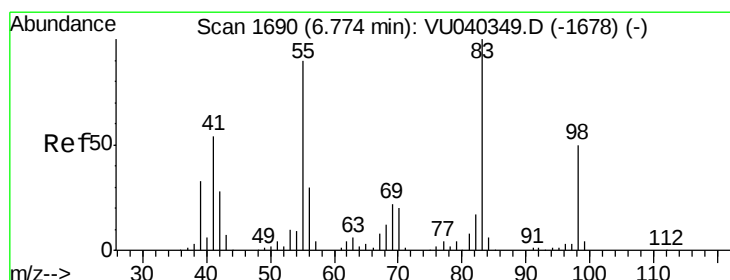
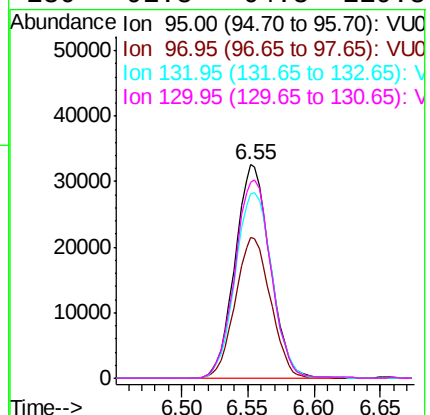
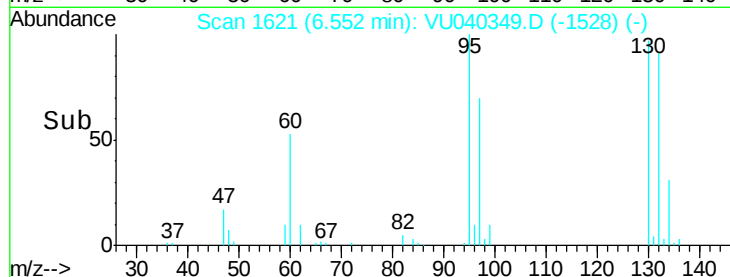


Abundance Ion 95.00 (94.70 to 95.70): VU040349.D (-1607) (-)

Ion 96.95 (96.65 to 97.65): VU040349.D (-1607) (-)

Ion 131.95 (131.65 to 132.65): VU040349.D (-1607) (-)

Ion 129.95 (129.65 to 130.65): VU040349.D (-1607) (-)



#35

Methylcyclohexane

Concen: 4.712 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

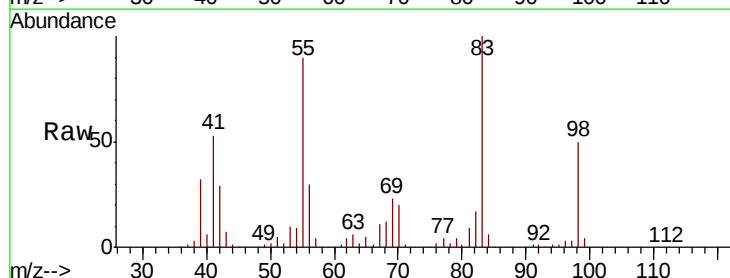
Tgt Ion: 83 Resp: 90314

Ion Ratio Lower Upper

83 100

55 89.3 71.4 107.2

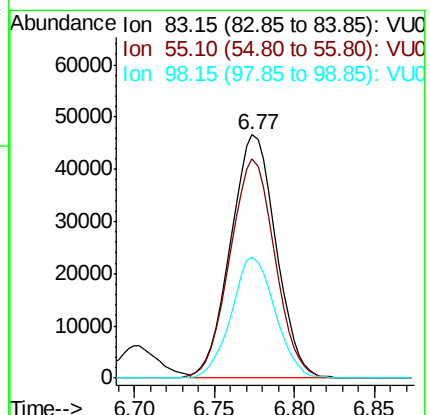
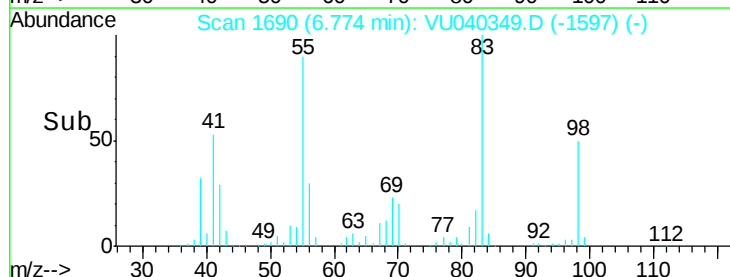
98 48.1 38.5 57.7

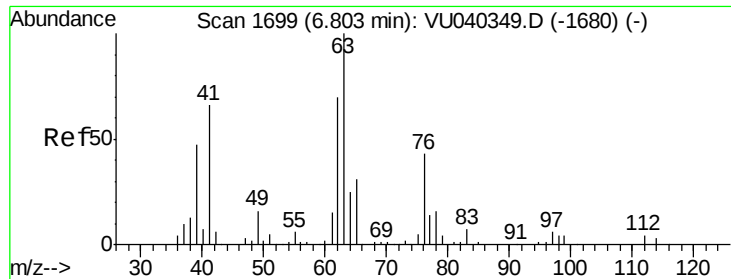


Abundance Ion 83.15 (82.85 to 83.85): VU040349.D (-1678) (-)

Ion 55.10 (54.80 to 55.80): VU040349.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU040349.D (-1678) (-)

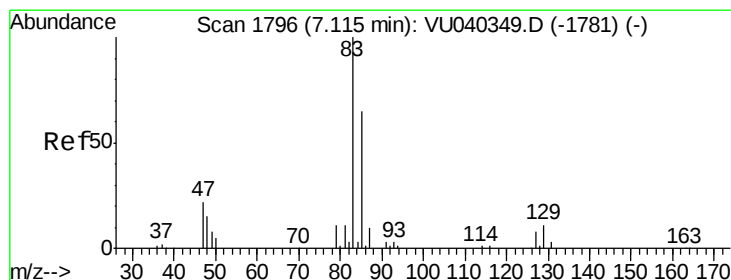
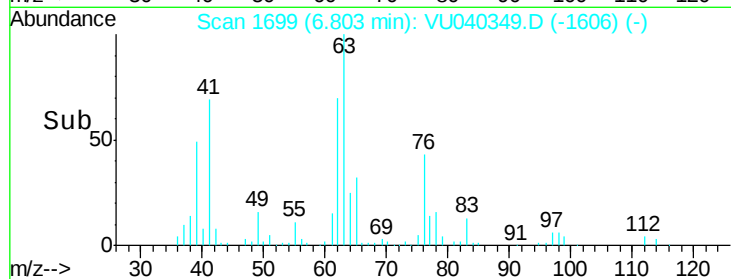
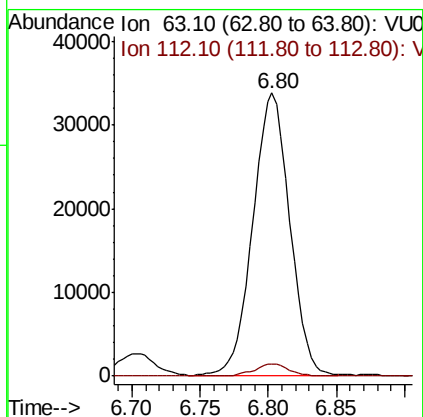
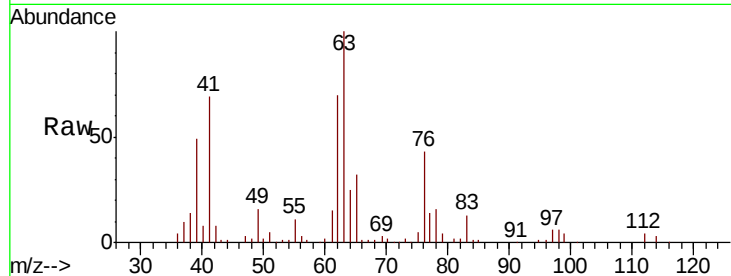




#37
 1,2-Dichloropropane
 Concen: 4.978 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

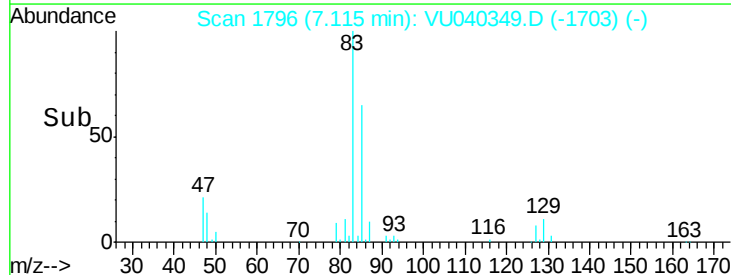
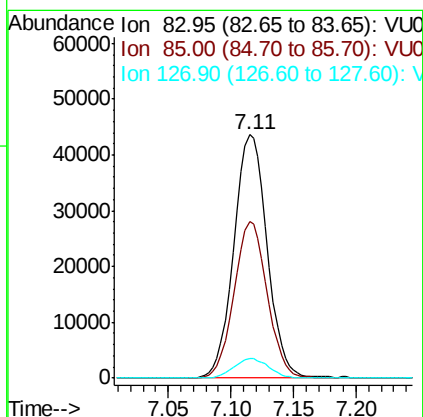
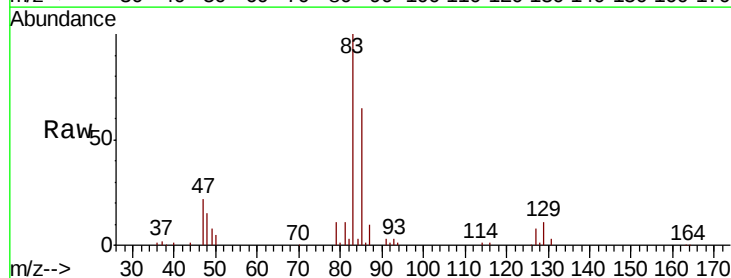
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

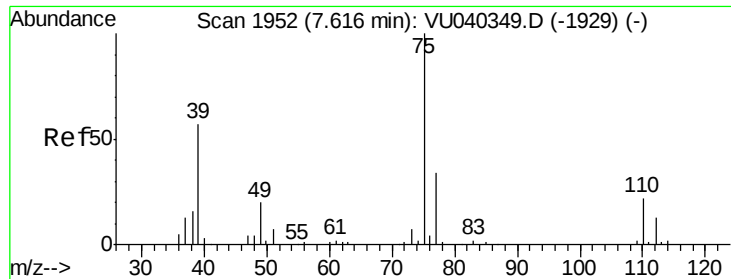
Tot Ion: 63 Resp: 63086
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.685 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion: 83 Resp: 80680
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 8.2 6.6 9.8

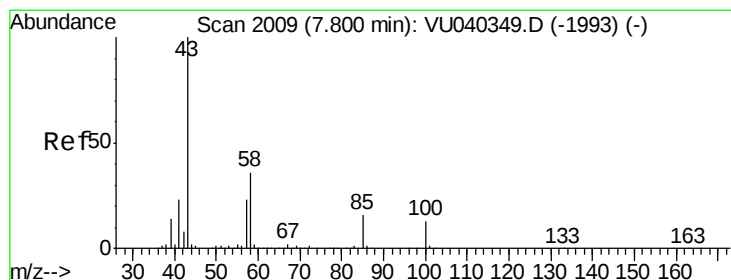
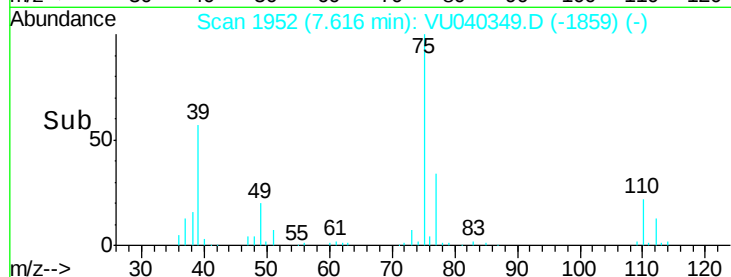
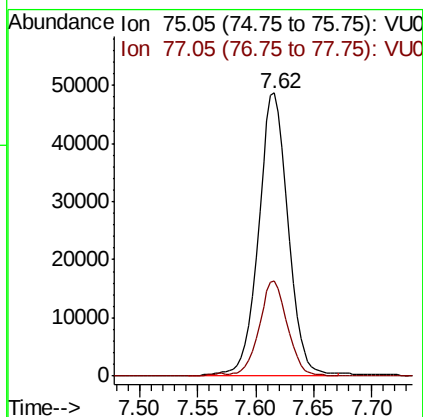
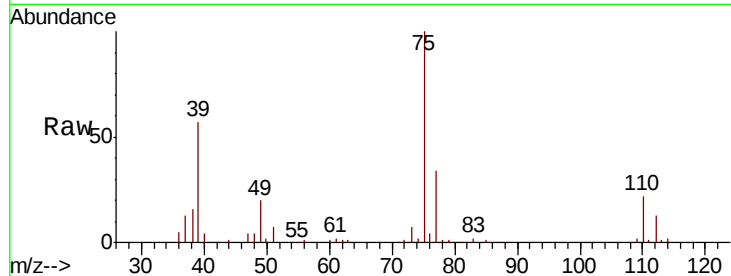




#39
 cis-1,3-Dichloropropene
 Concen: 4.715 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

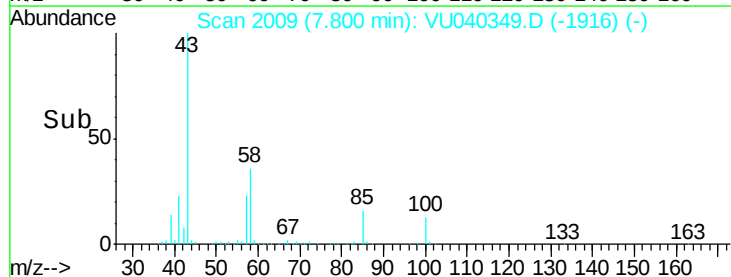
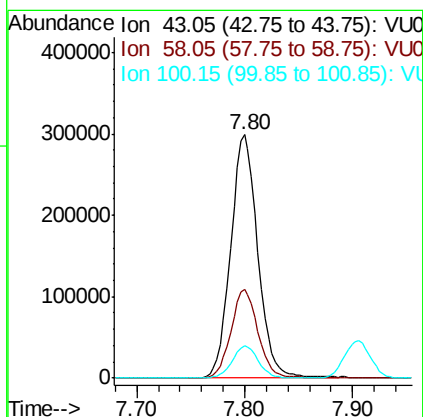
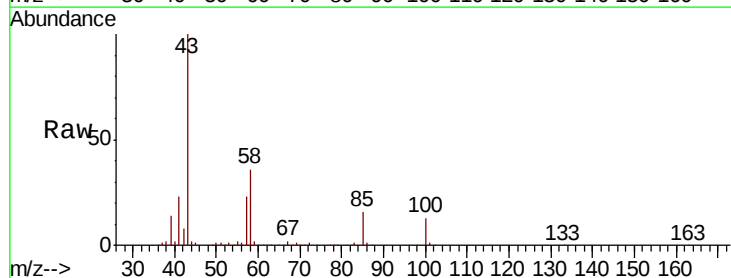
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00506

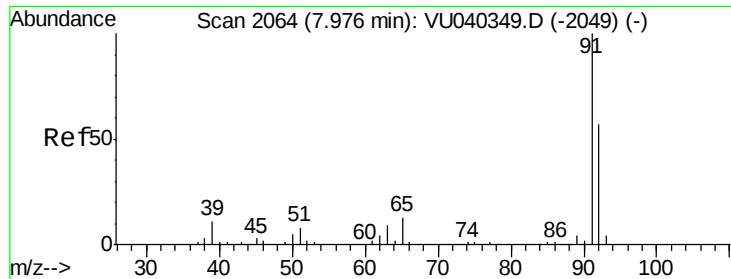
Tot Ion: 75 Resp: 86833
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 50.516 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion: 43 Resp: 524143
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.2 43.8
 100 12.9 10.3 15.5





#42

Toluene

Concen: 5.069 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

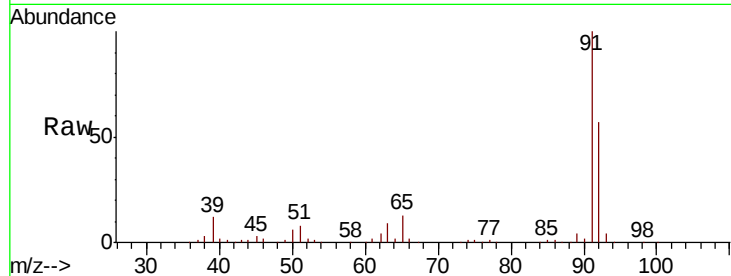
VSTD00506

Tot Ion: 91 Resp: 245585

Ion Ratio Lower Upper

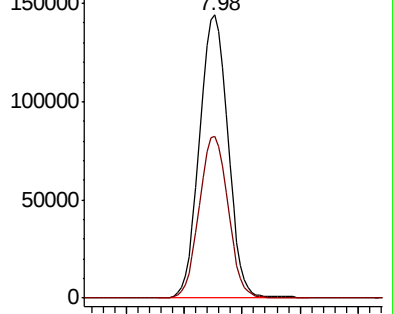
91 100

92 57.2 40.0 74.4

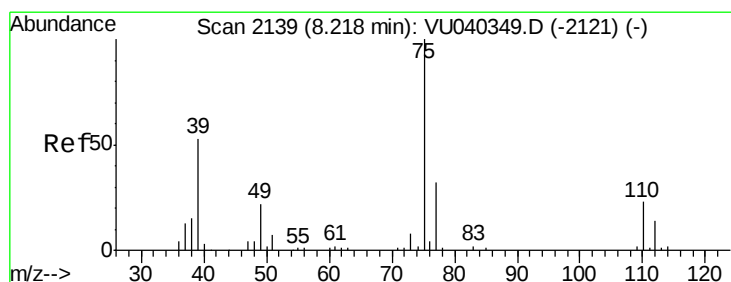
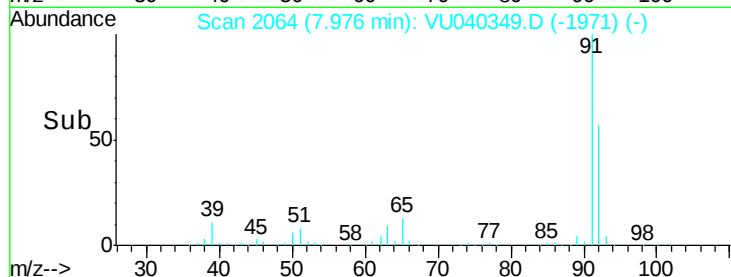


Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.664 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040349.D

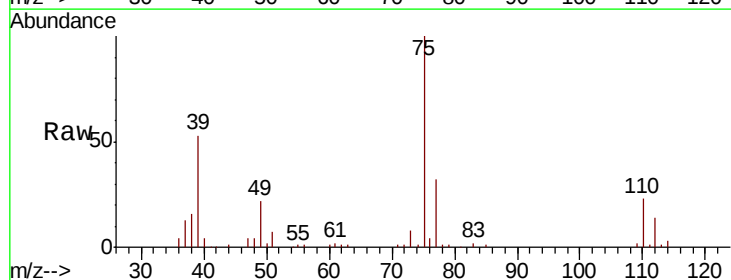
Acq: 29 Sep 2020 10:08

Tgt Ion: 75 Resp: 79804

Ion Ratio Lower Upper

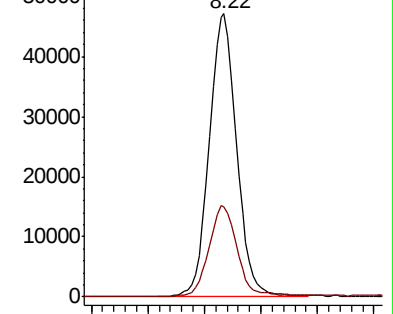
75 100

77 31.8 22.3 41.3

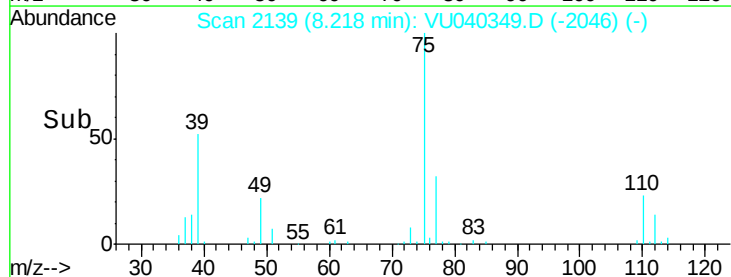


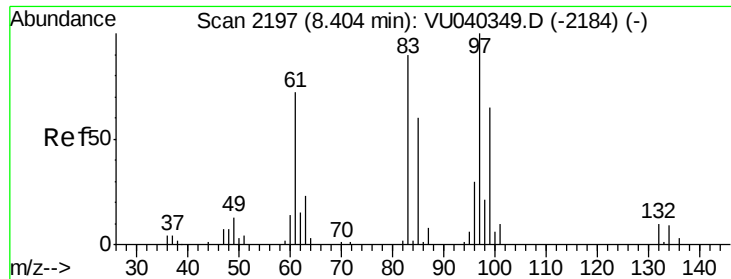
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->

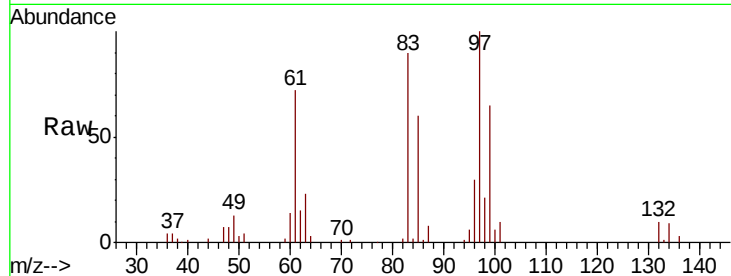




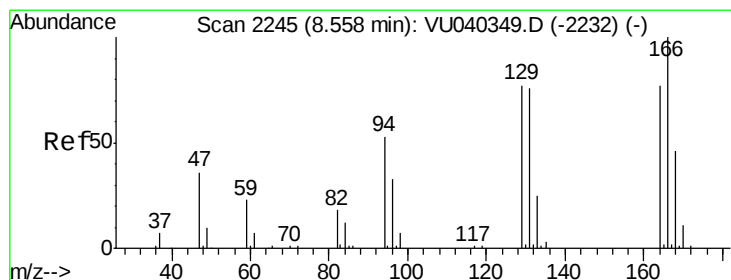
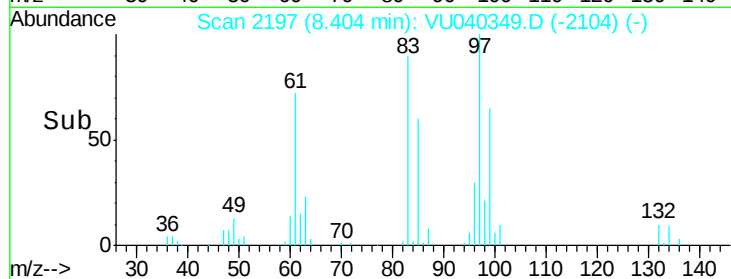
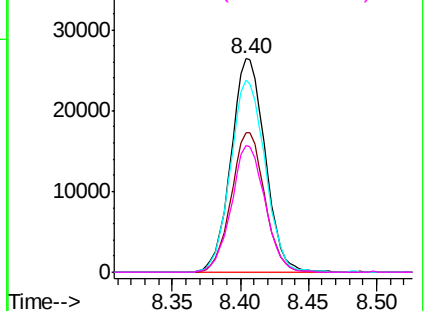
#45
 1,1,2-Trichloroethane
 Concen: 4.992 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tot Ion: 97 Resp: 45894
 Ion Ratio Lower Upper
 97 100
 99 65.4 45.8 85.0
 83 89.9 62.9 116.9
 85 59.6 41.7 77.5

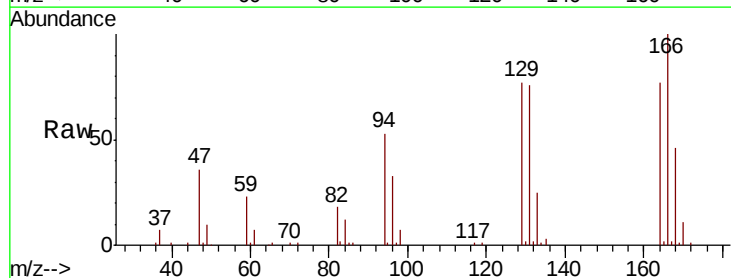


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

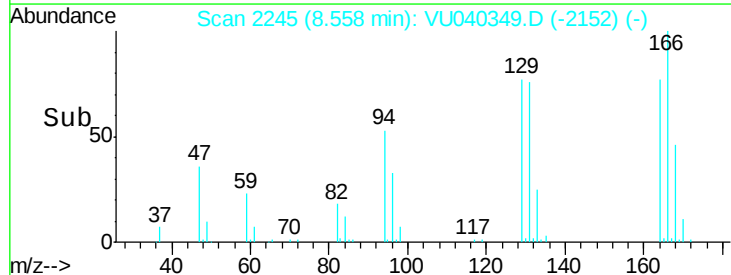
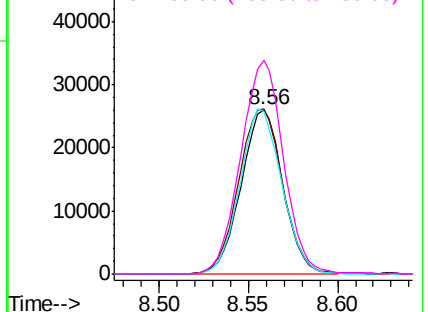


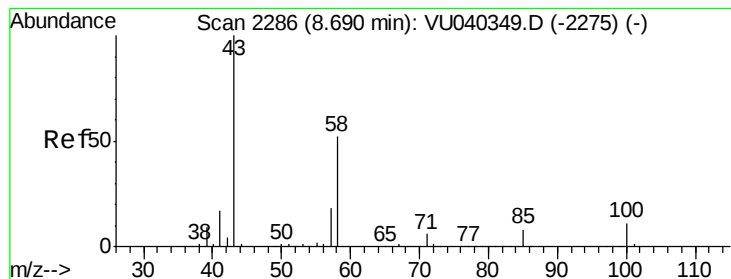
#47
 Tetrachloroethene
 Concen: 5.101 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion: 164 Resp: 42682
 Ion Ratio Lower Upper
 164 100
 129 100.5 70.3 130.7
 131 98.9 69.2 128.6
 166 130.2 91.1 169.3



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: 50.714 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tot Ion: 43 Resp: 382445

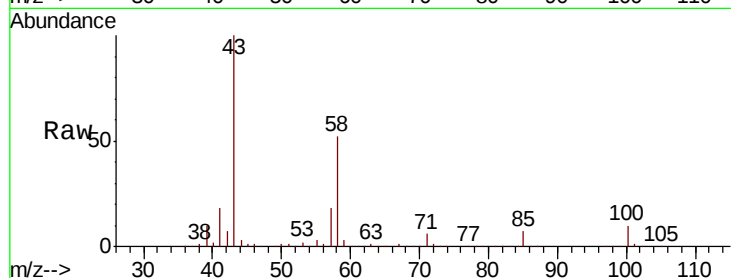
Ion Ratio Lower Upper

43 100

58 51.2 41.0 61.4

57 18.3 14.6 22.0

100 10.3 8.2 12.4

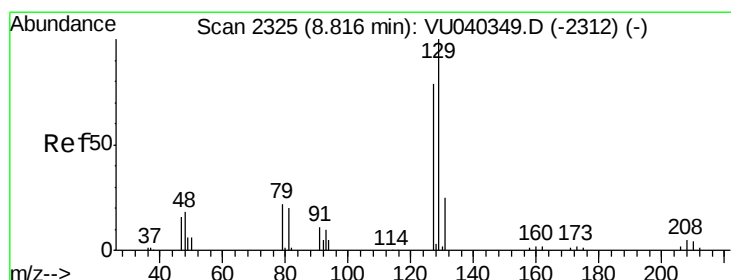
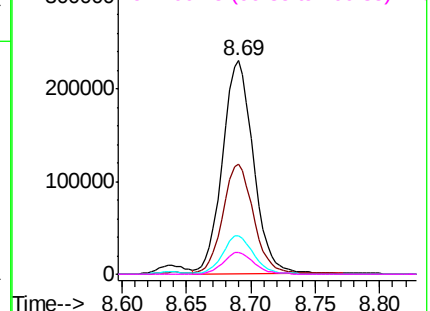
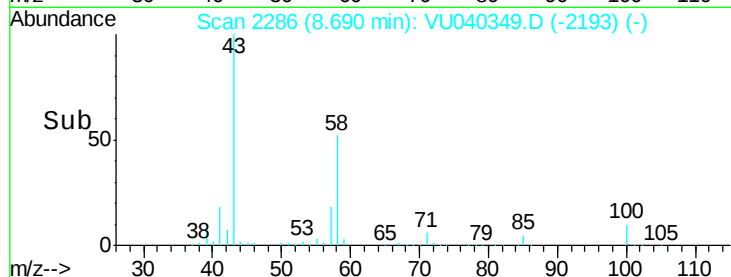


Abundance Ion 43.05 (42.75 to 43.75): VU040349.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040349.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040349.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040349.D (-2193) (-)



#49

Dibromochloromethane

Concen: 4.764 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040349.D

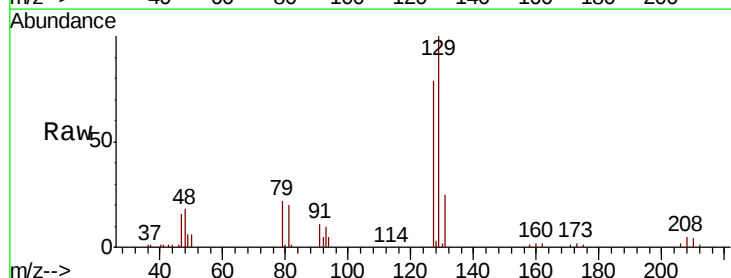
Acq: 29 Sep 2020 10:08

Tgt Ion: 129 Resp: 52602

Ion Ratio Lower Upper

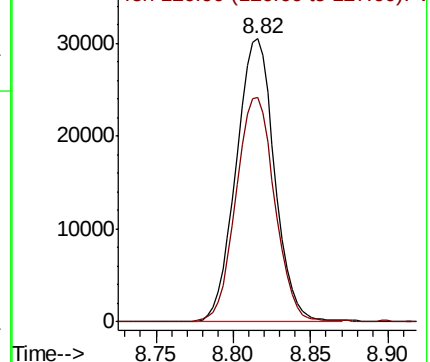
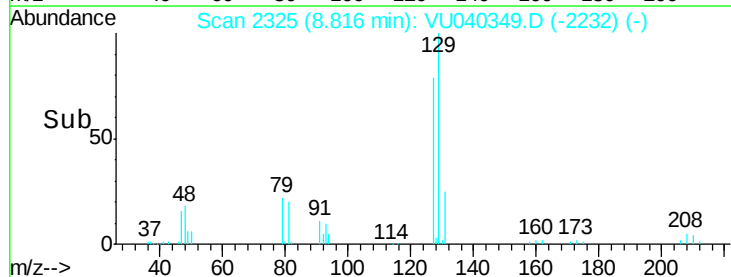
129 100

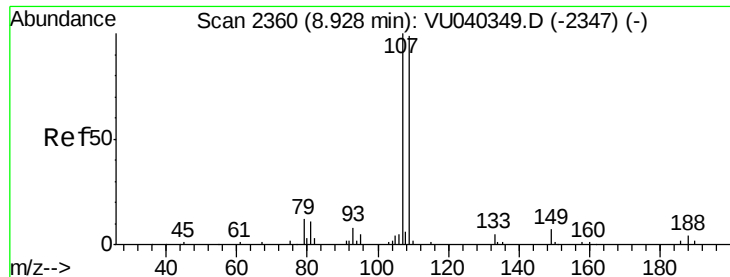
127 79.2 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040349.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU040349.D (-2232) (-)

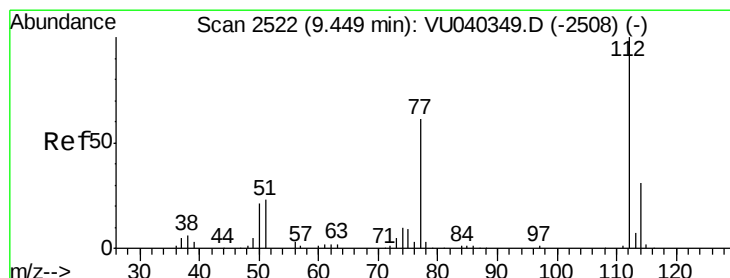
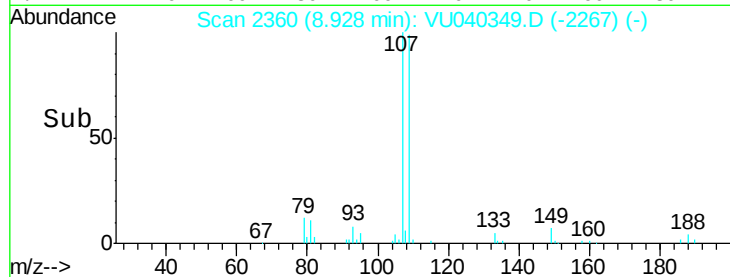
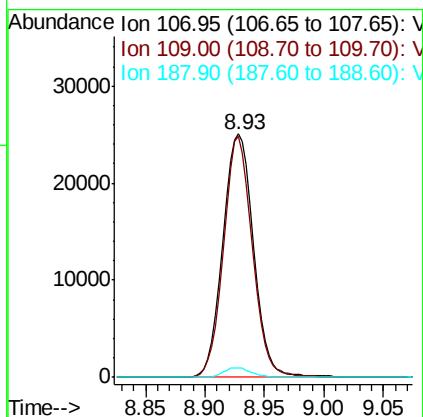
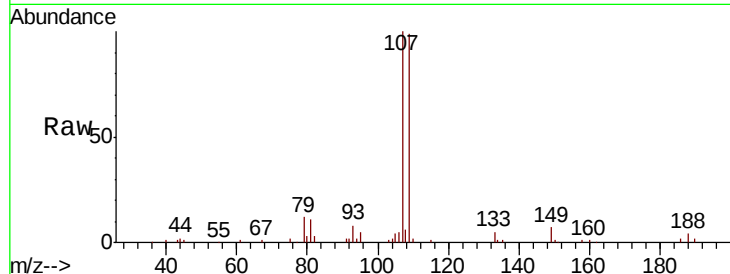




#50
 1,2-Dibromoethane
 Concen: 5.018 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

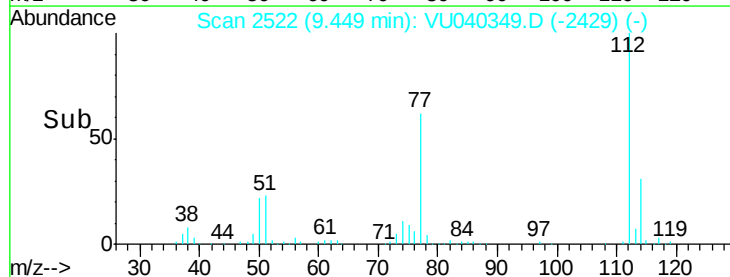
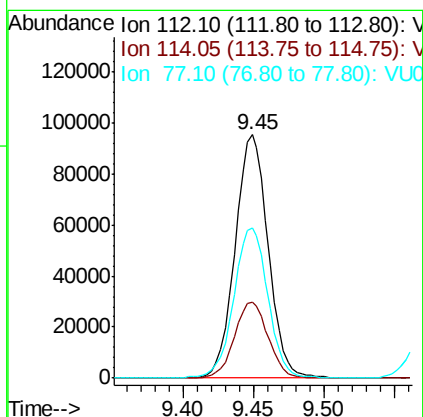
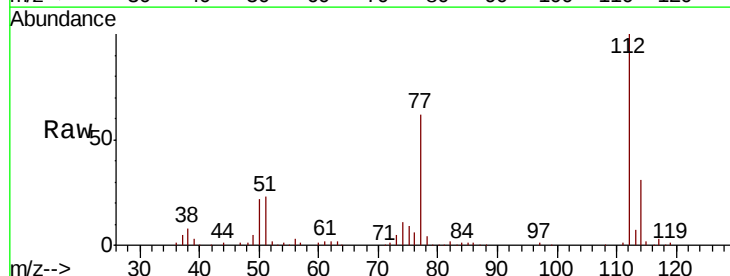
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

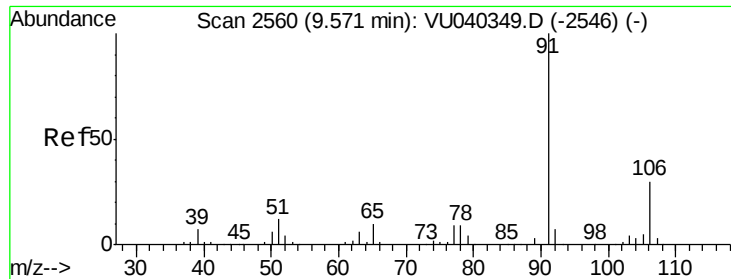
Tot Ion:107 Resp: 44765
 Ion Ratio Lower Upper
 107 100
 109 99.1 69.4 128.8
 188 4.1 3.3 4.9



#51
 Chlorobenzene
 Concen: 5.154 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion:112 Resp: 156310
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.0 40.8
 77 61.9 49.5 74.3

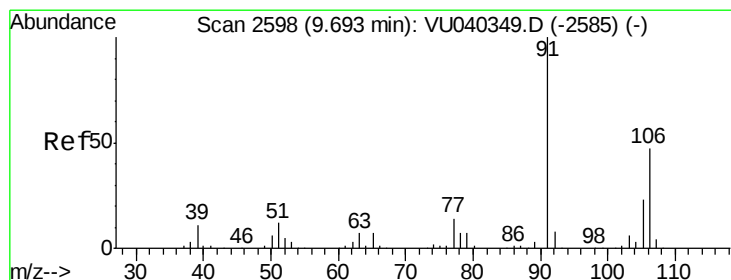
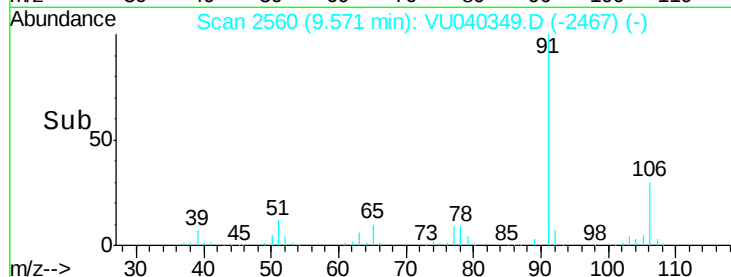
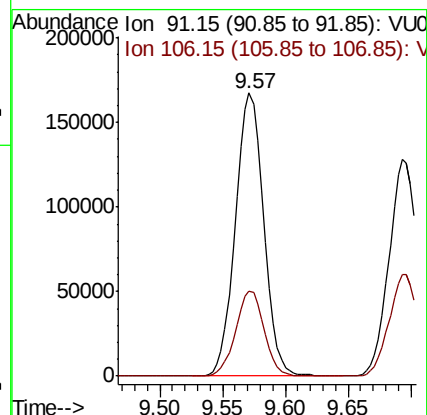
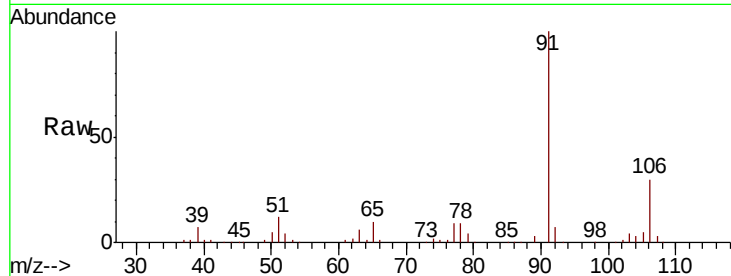




#52
Ethylbenzene
Concen: 4.818 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

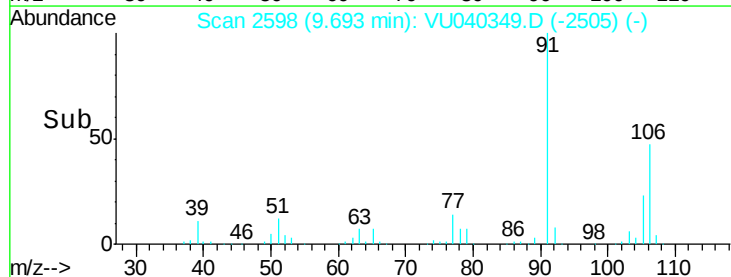
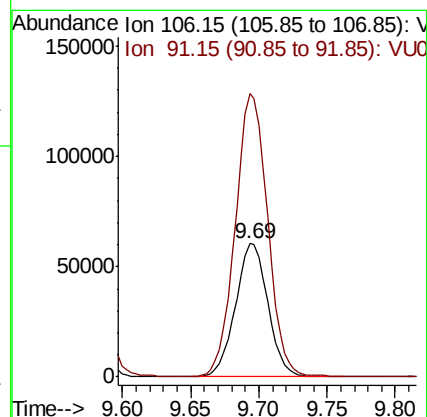
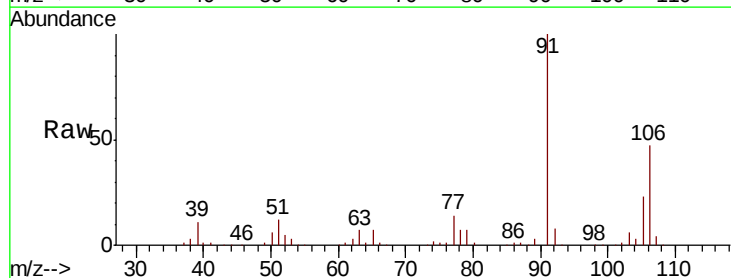
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

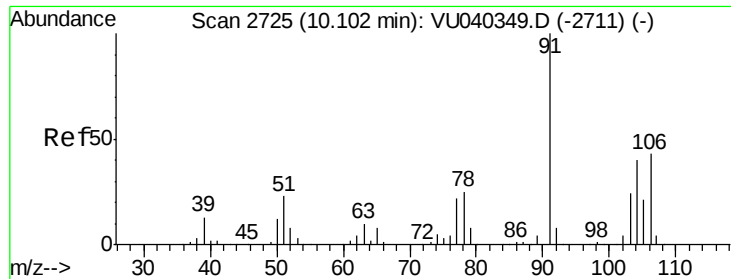
Tot Ion: 91 Resp: 262648
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.097 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

Tgt Ion: 106 Resp: 99793
Ion Ratio Lower Upper
106 100
91 212.8 149.0 276.6

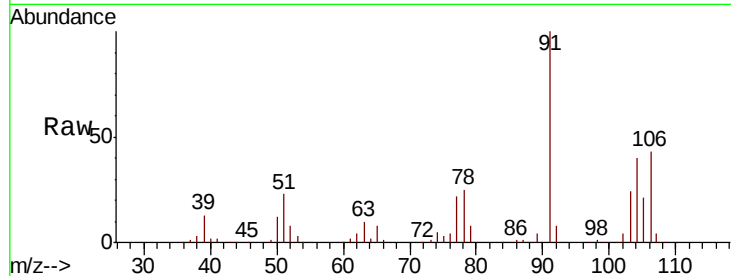




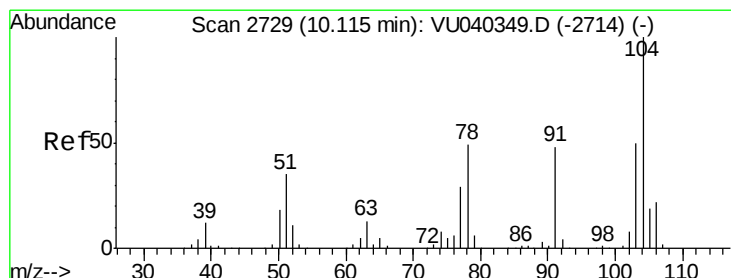
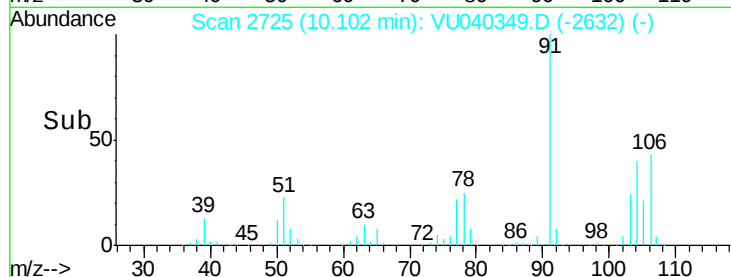
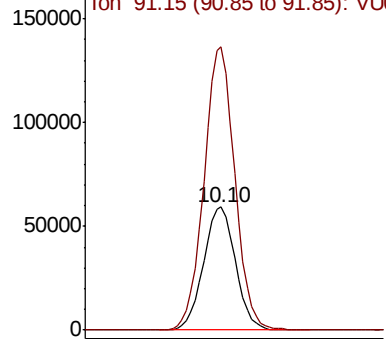
#54
o-Xylene
Concen: 5.171 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tot Ion:106 Resp: 96259
Ion Ratio Lower Upper
106 100
91 229.9 160.9 298.9

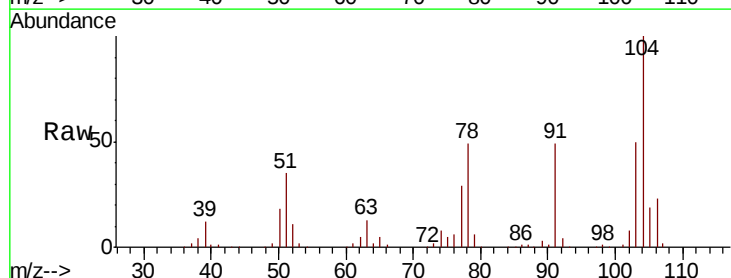


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

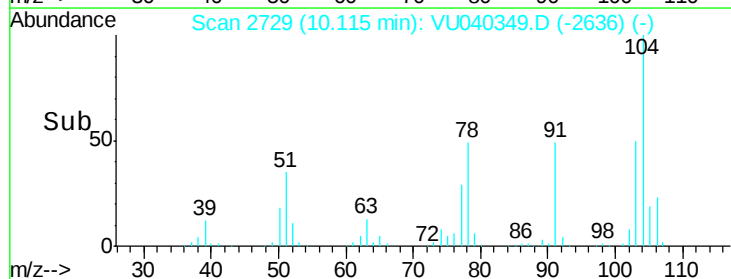
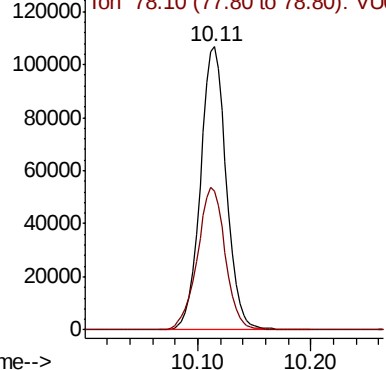


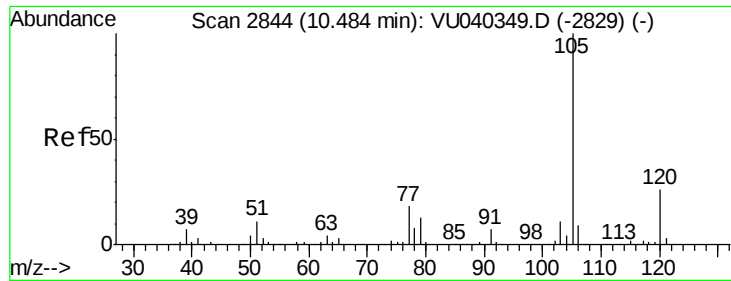
#55
Styrene
Concen: 5.219 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040349.D
Acq: 29 Sep 2020 10:08

Tgt Ion:104 Resp: 169722
Ion Ratio Lower Upper
104 100
78 49.1 34.4 63.8



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





#56

Isopropylbenzene

Concen: 5.064 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

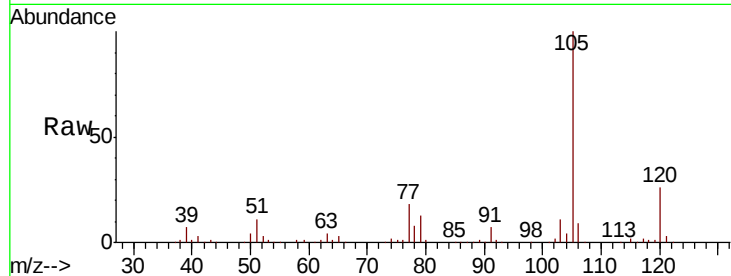
Tot Ion:105 Resp: 256288

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

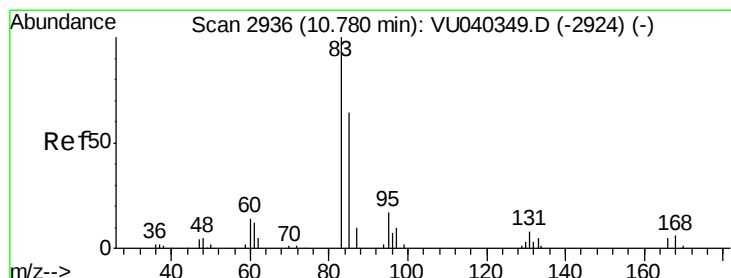
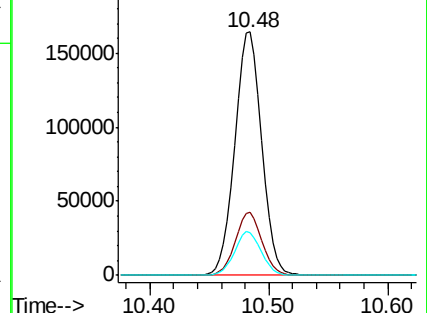
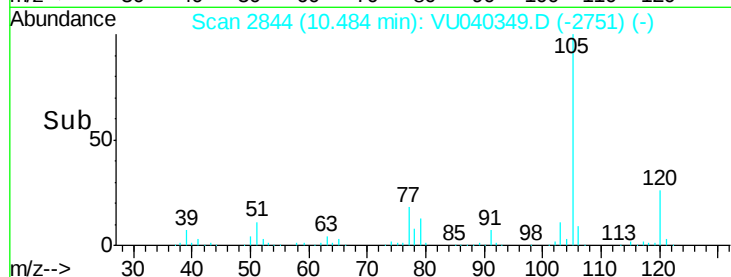
77 17.9 14.3 21.5



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: 5.081 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

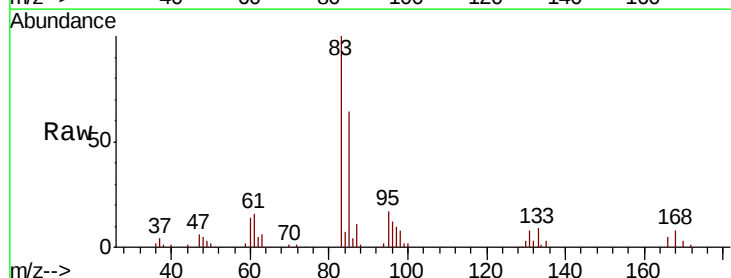
Tgt Ion: 83 Resp: 61043

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

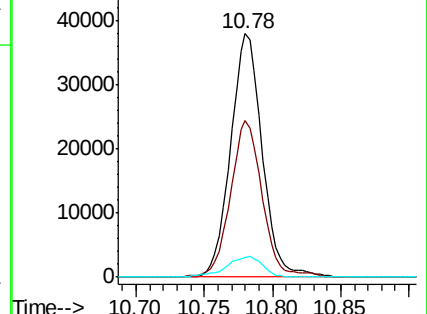
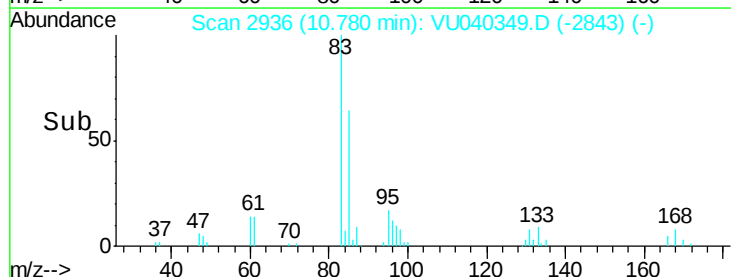
131 8.3 6.6 10.0

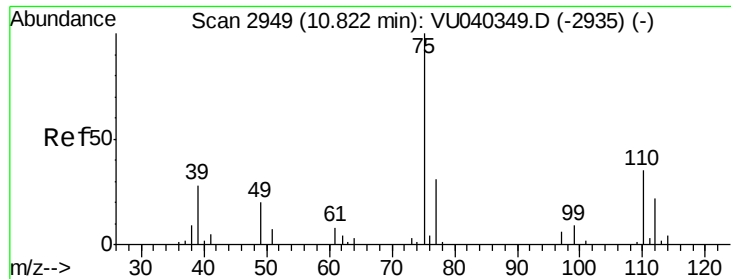


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

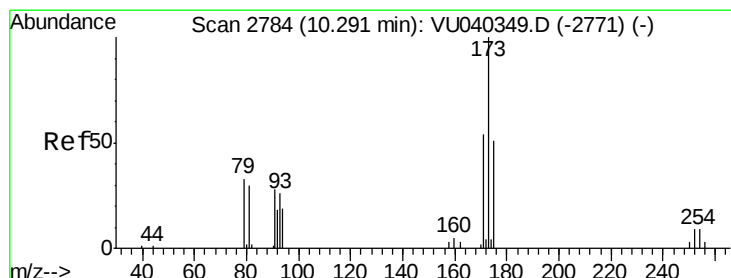
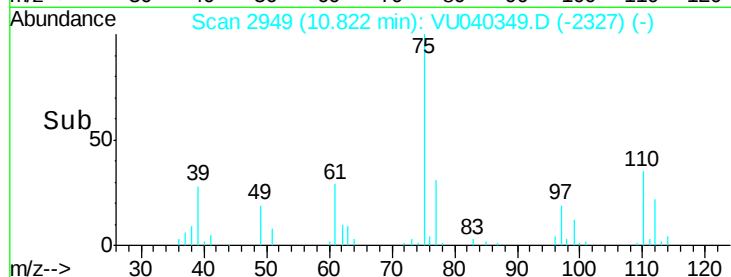
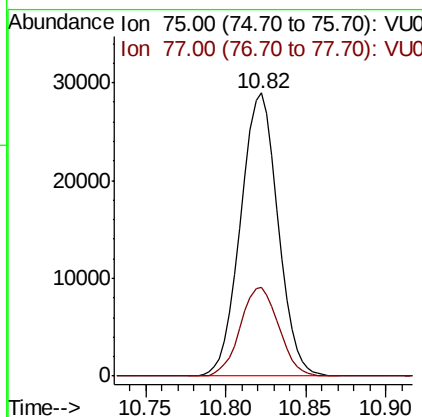
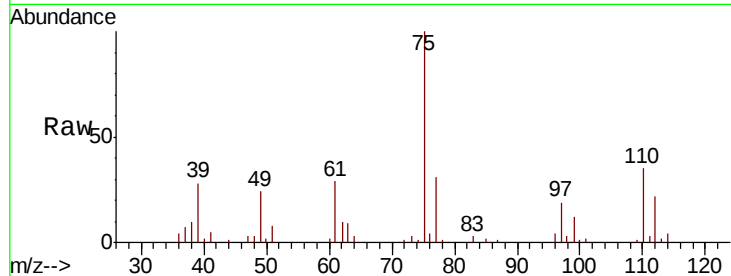




#59
 1,2,3-Trichloropropane
 Concen: 4.912 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

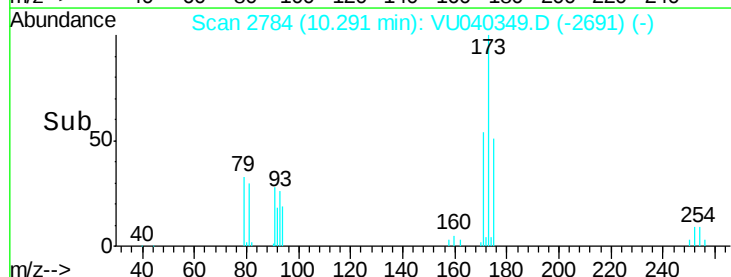
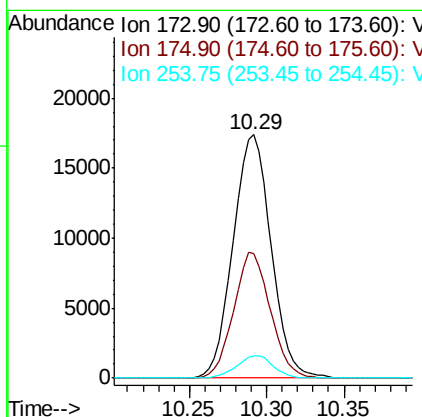
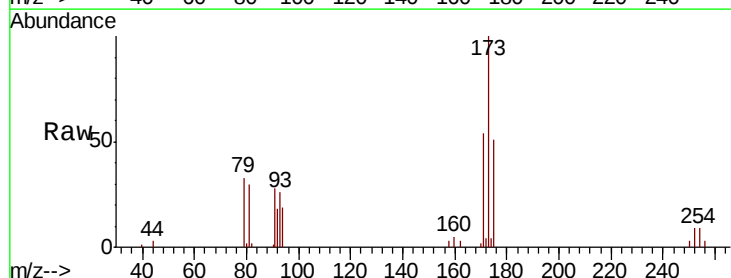
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

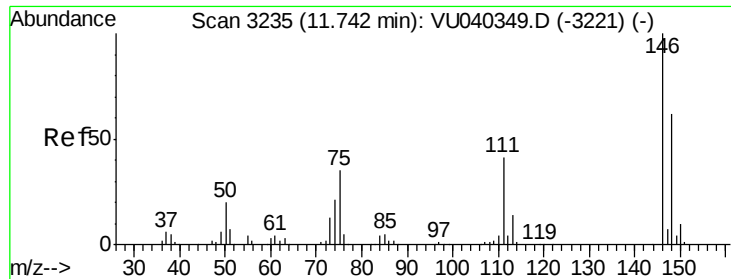
Tot Ion: 75 Resp: 46033
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 4.604 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion: 173 Resp: 29705
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.6 59.4
 254 8.7 7.0 10.4

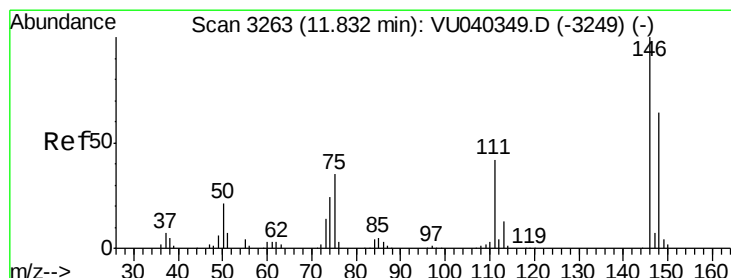
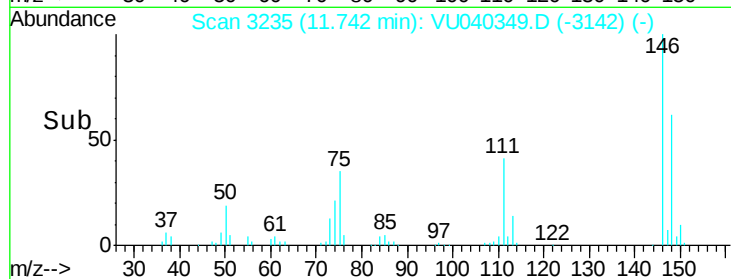
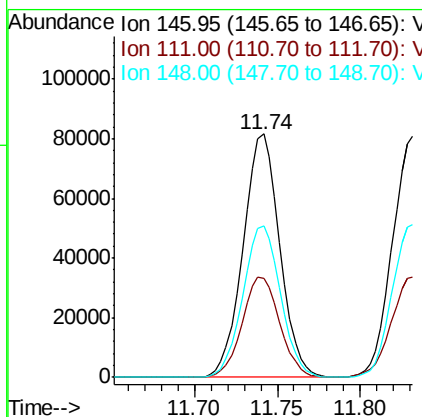
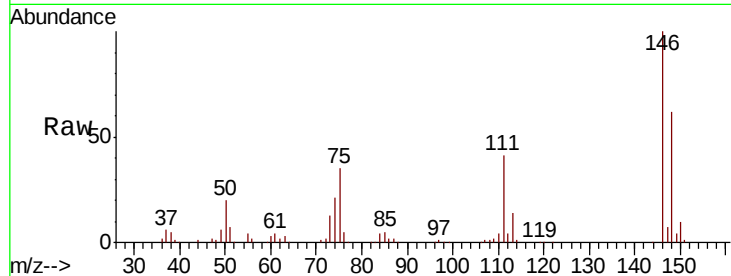




#62
 1,3-Dichlorobenzene
 Concen: 4.819 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

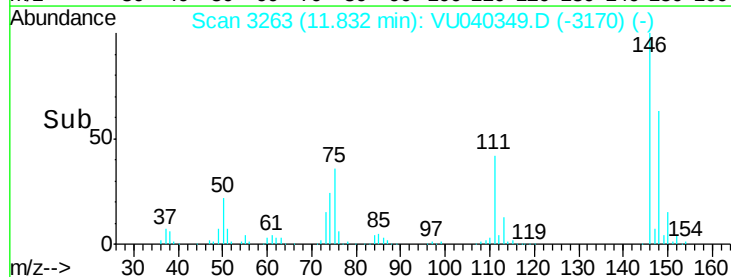
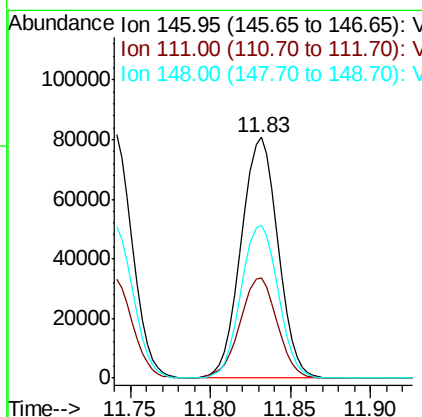
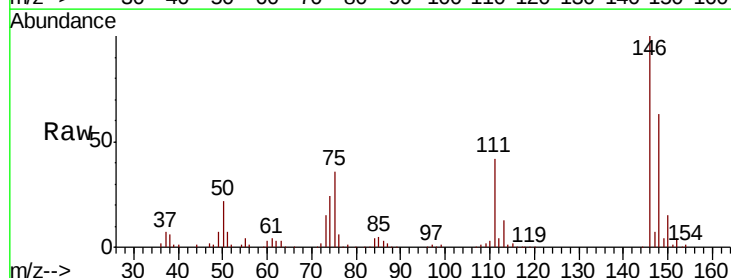
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

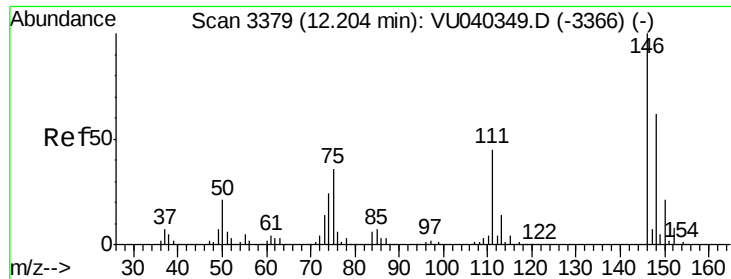
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.6	53.0
148	62.0	43.4	80.6



#63
 1,4-Dichlorobenzene
 Concen: 4.831 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.2	54.2
148	63.4	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 4.782 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

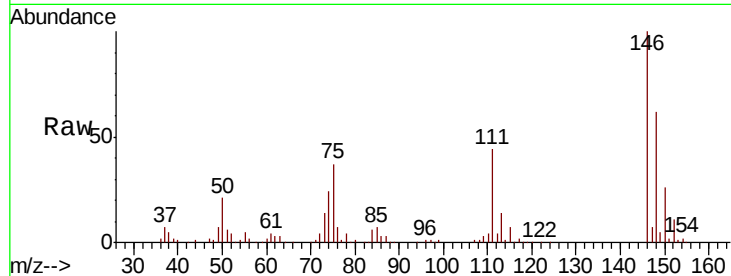
Tot Ion:146 Resp: 119954

Ion Ratio Lower Upper

146 100

111 44.5 35.6 53.4

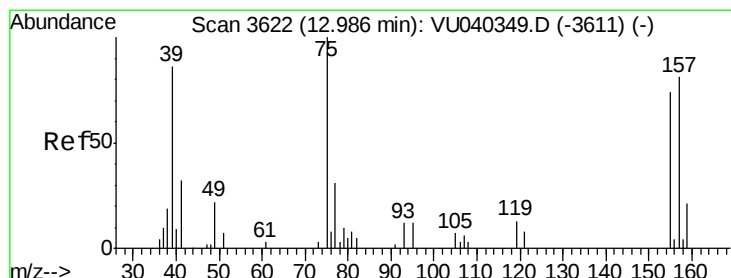
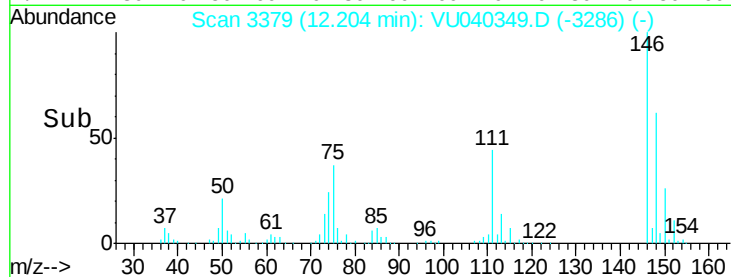
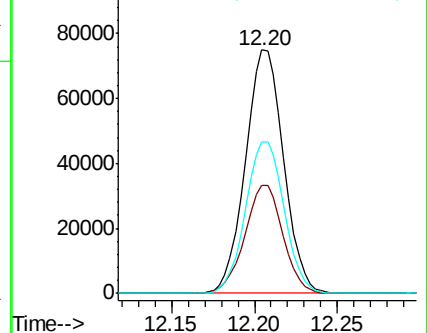
148 62.2 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.956 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

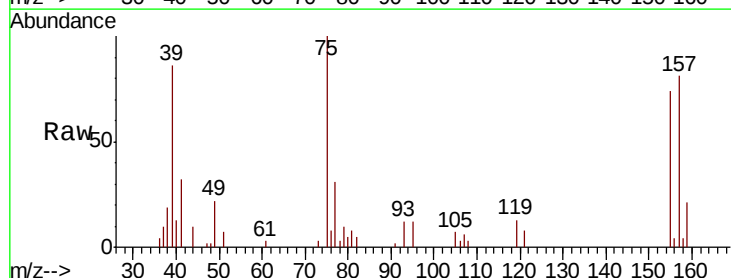
Tgt Ion: 75 Resp: 10135

Ion Ratio Lower Upper

75 100

155 74.3 59.4 89.2

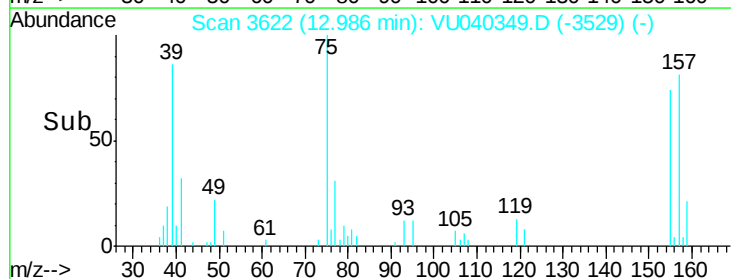
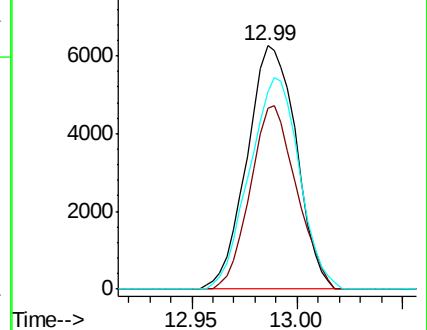
157 81.2 65.0 97.4

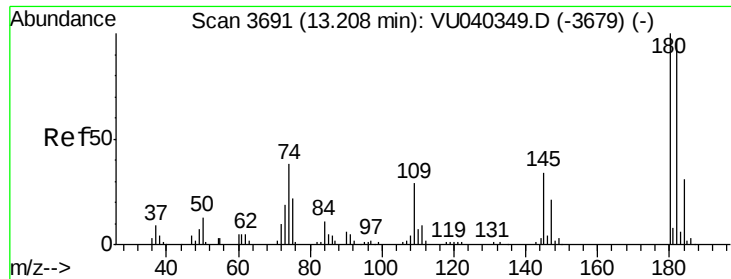


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

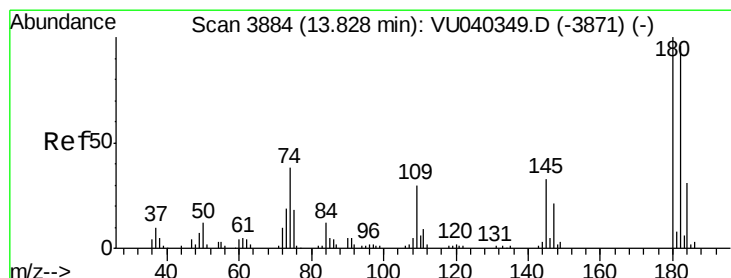
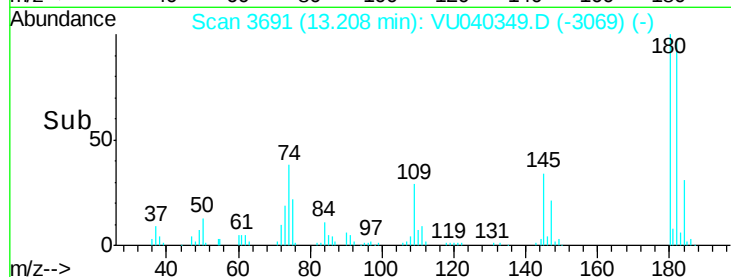
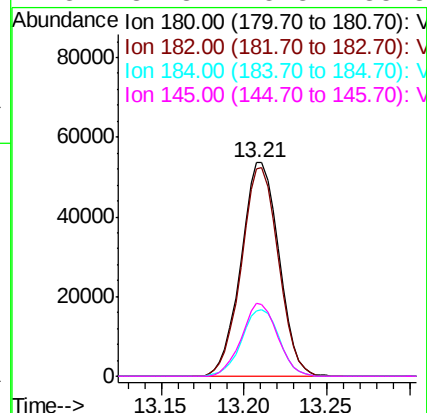
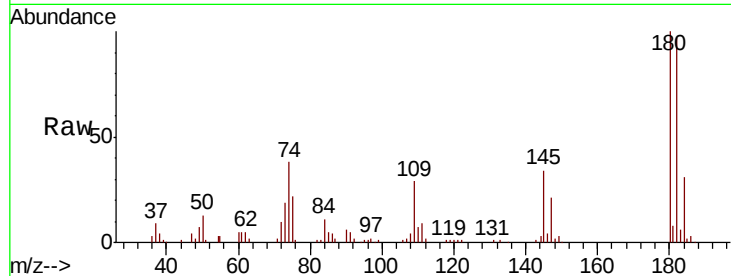




#67
 1,3,5-Trichlorobenzene
 Concen: 4.690 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

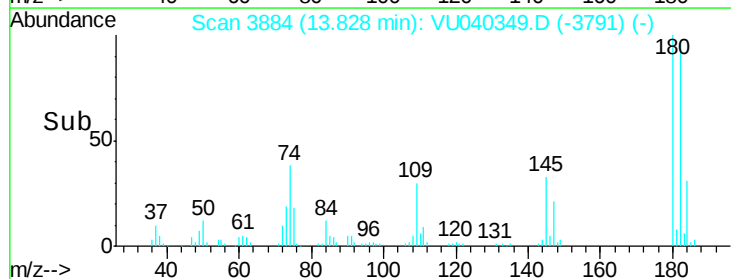
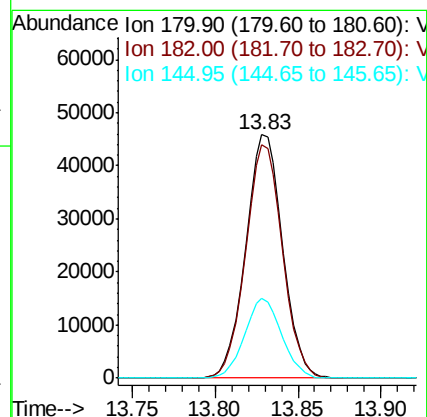
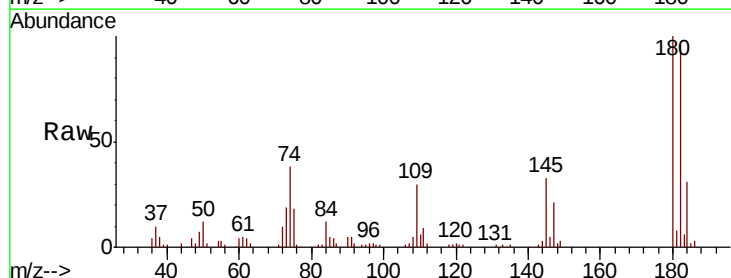
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

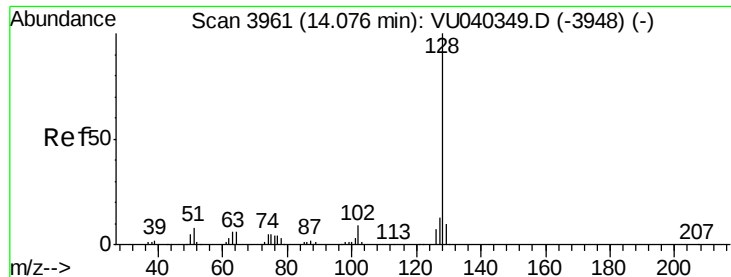
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.8	24.6	37.0
145	32.3	25.8	38.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.581 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040349.D
 Acq: 29 Sep 2020 10:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	32.9	26.3	39.5





#69

Naphthalene

Concen: 3.933 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

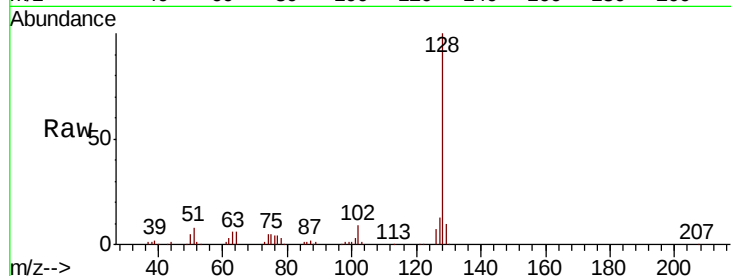
Tot Ion:128 Resp: 121435

Ion Ratio Lower Upper

128 100

129 10.3 8.2 12.4

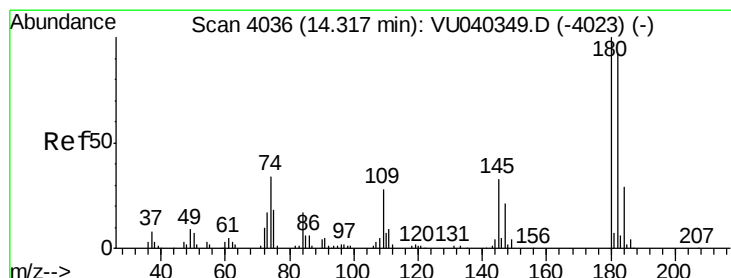
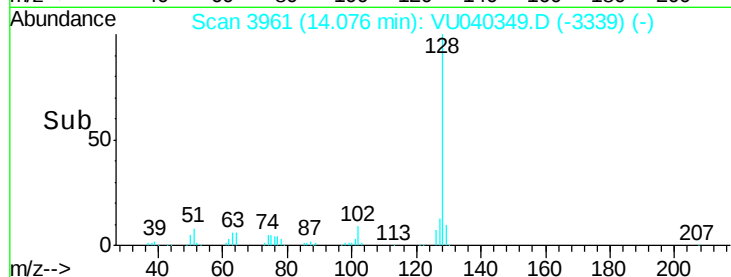
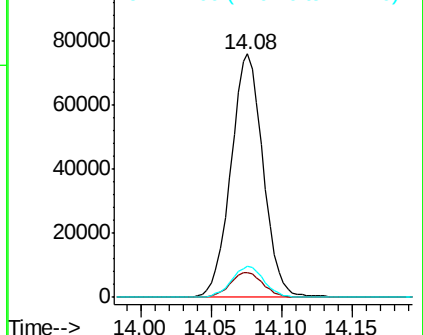
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.650 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040349.D

Acq: 29 Sep 2020 10:08

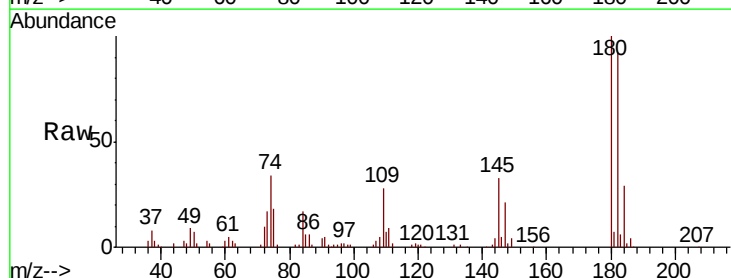
Tgt Ion:180 Resp: 66099

Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

145 34.7 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

