

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090120\
 Data File : VU040009.D
 Acq On : 01 Sep 2020 10:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Sep 01 17:17:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 01 12:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	107845	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	107296	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53530	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31340	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.92	69	28046	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.40%
11) 1,1-Dichloroethene-d2	2.58	63	81255	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.60%
20) 2-Butanone-d5	4.66	46	148145	62.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.80%
24) Chloroform-d	5.08	84	76887	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.72	65	46621	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.74	84	140602	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
36) 1,2-Dichloropropane-d6	6.70	67	44062	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.90	98	128485	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
43) trans-1,3-Dichloropropene-	8.19	79	20298	5.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.00%
46) 2-Hexanone-d5	8.64	63	112488	62.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41775	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47135	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	49957	4.668 ug/L	97
3) Chloromethane	1.53	50	53383	5.210 ug/L	99
5) Vinyl chloride	1.61	62	54394	5.236 ug/L	98
6) Bromomethane	1.86	94	29708	5.595 ug/L	94
8) Chloroethane	1.94	64	31361	5.023 ug/L	98
9) Trichlorofluoromethane	2.15	101	77577	5.213 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	49478	5.129 ug/L	97
12) 1,1-Dichloroethene	2.59	96	43953	5.266 ug/L	94
13) Acetone	2.67	43	118551	54.375 ug/L	99
14) Carbon disulfide	2.81	76	130031	4.859 ug/L	99
15) Methyl Acetate	2.97	43	28359	5.183 ug/L	96
16) Methylene chloride	3.06	84	54899	5.023 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	127726	5.078 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	45394	5.056 ug/L	94
19) 1,1-Dichloroethane	3.89	63	93020	5.034 ug/L	100
21) 2-Butanone	4.74	43	194008	54.505 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	48856	5.061 ug/L	99

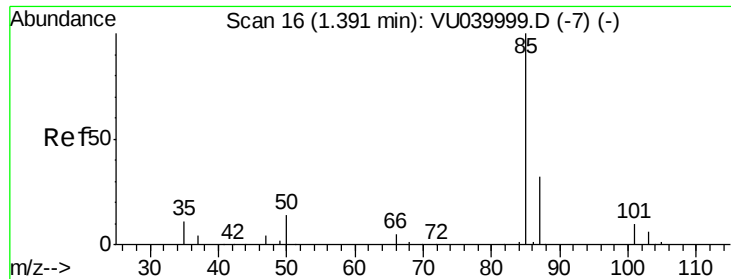
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090120\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	22435	5.304	ug/L	98
25) Chloroform	5.10	83	96162	5.081	ug/L	97
27) 1,2-Dichloroethane	5.81	62	70615	5.093	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	83457	4.954	ug/L	99
30) Cyclohexane	5.40	56	78871	4.828	ug/L	99
31) Carbon tetrachloride	5.54	117	70240	4.872	ug/L	97
33) Benzene	5.79	78	192231	5.008	ug/L	100
34) Trichloroethene	6.55	95	52283	5.078	ug/L	95
35) Methylcyclohexane	6.77	83	77240	4.899	ug/L	97
37) 1,2-Dichloropropane	6.80	63	53515	5.149	ug/L	99
38) Bromodichloromethane	7.12	83	69998	4.933	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	76281	4.977	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	464024	54.413	ug/L	99
42) Toluene	7.97	91	203058	5.137	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	71666	5.046	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	39243	5.183	ug/L	97
47) Tetrachloroethene	8.56	164	33091	4.893	ug/L	98
48) 2-Hexanone	8.69	43	340540	54.745	ug/L	99
49) Dibromochloromethane	8.81	129	45307	4.985	ug/L	100
50) 1,2-Dibromoethane	8.93	107	37557	5.145	ug/L	97
51) Chlorobenzene	9.45	112	125704	5.122	ug/L	97
52) Ethylbenzene	9.57	91	226535	5.044	ug/L	99
53) m,p-Xylene	9.69	106	81879	5.120	ug/L	99
54) o-Xylene	10.10	106	79229	5.199	ug/L	99
55) Styrene	10.12	104	142829	5.390	ug/L	99
56) Isopropylbenzene	10.48	105	219459	5.281	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	51713	5.326	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	41637	5.407	ug/L	97
61) Bromoform	10.29	173	24231	4.935	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	99176	5.069	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	100458	5.074	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	97003	5.124	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.99	75	10253	5.064	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	69542	5.055	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	57842	4.881	ug/L	99
69) Naphthalene	14.08	128	121566	4.922	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	54856	5.040	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.668 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040009.D

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MSVOA_U

ClientSampleId :

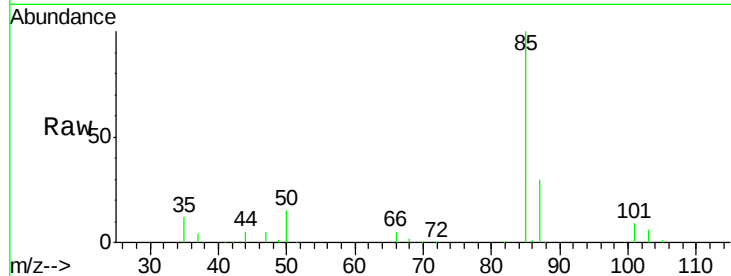
VSTD00516

Tgt Ion: 85 Resp: 49957

Ion Ratio Lower Upper

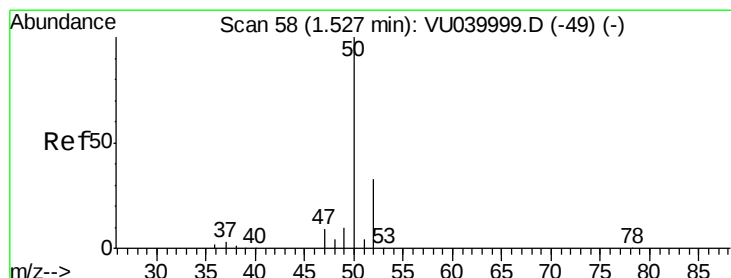
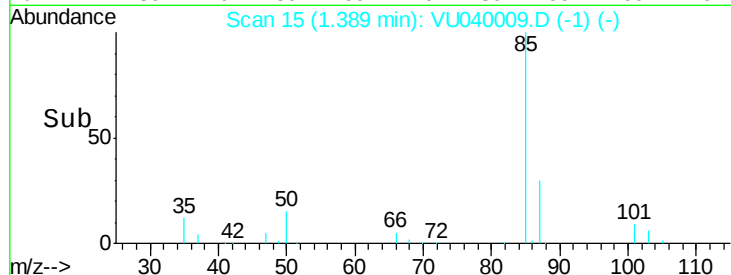
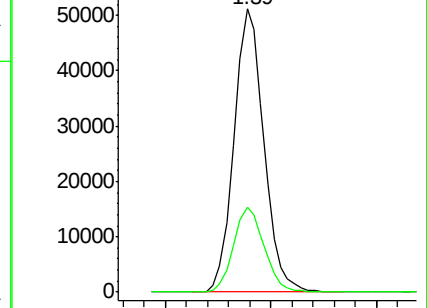
85 100

87 30.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.210 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040009.D

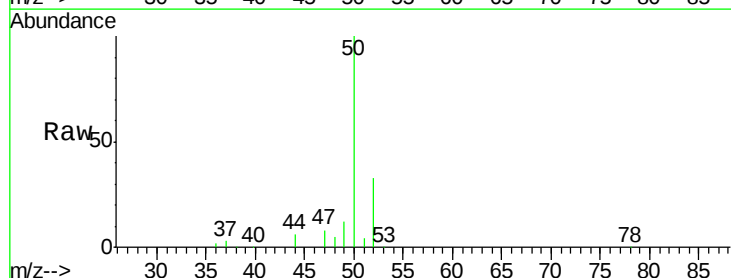
Acq: 01 Sep 2020 10:59

Tgt Ion: 50 Resp: 53383

Ion Ratio Lower Upper

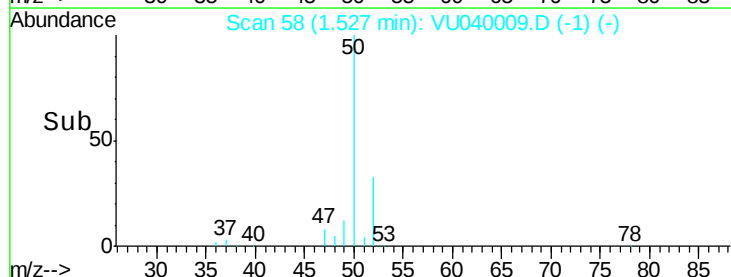
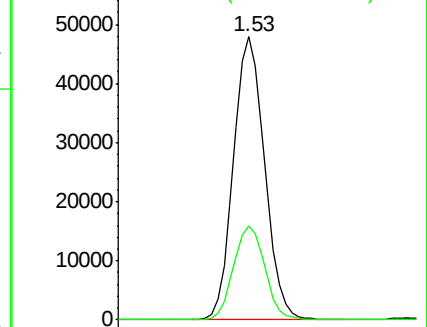
50 100

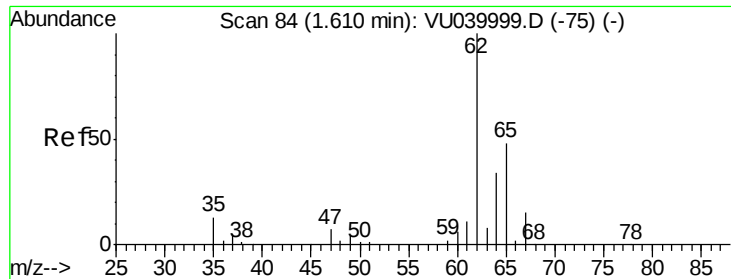
52 33.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.236 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

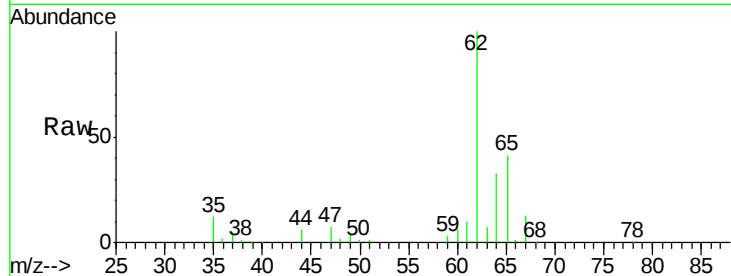
VSTD00516

Tgt Ion: 62 Resp: 54394

Ion Ratio Lower Upper

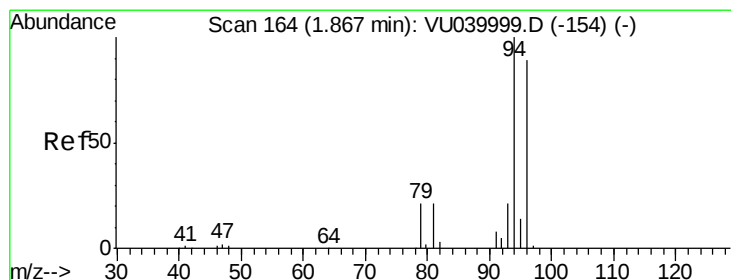
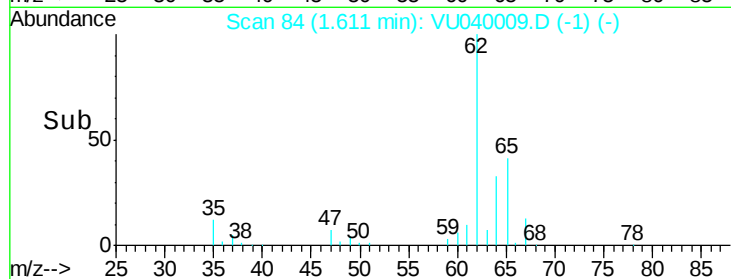
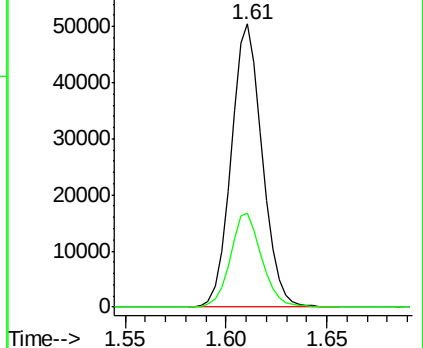
62 100

64 33.0 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.595 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040009.D

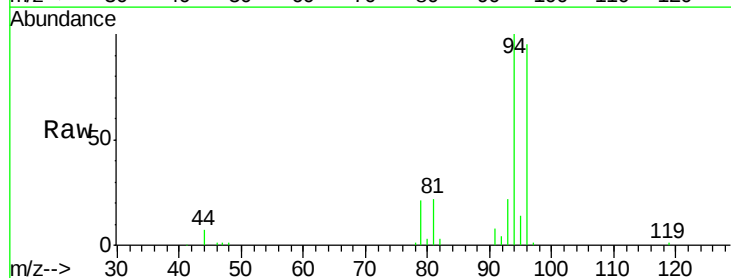
Acq: 01 Sep 2020 10:59

Tgt Ion: 94 Resp: 29708

Ion Ratio Lower Upper

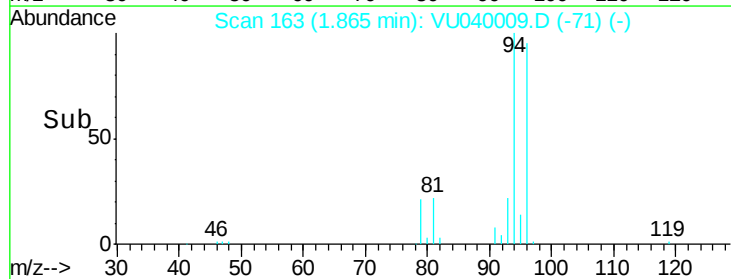
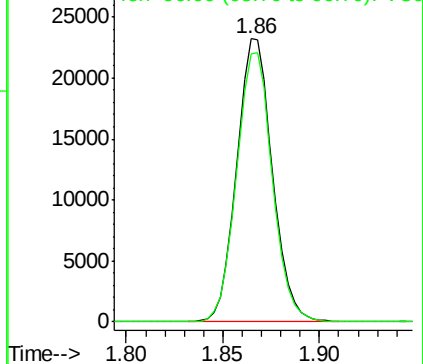
94 100

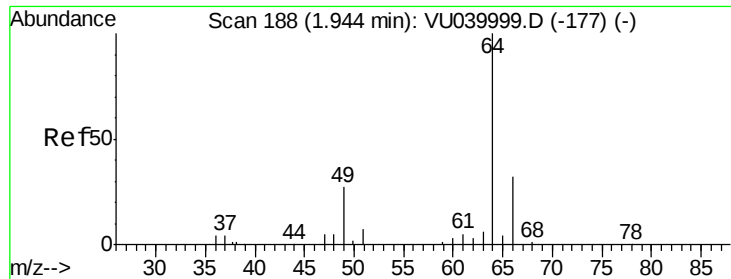
96 94.7 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.023 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

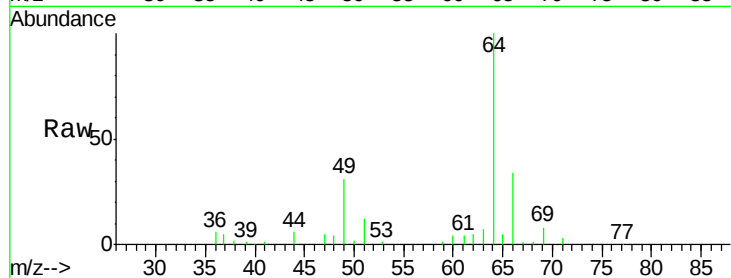
VSTD00516

Tgt Ion: 64 Resp: 31361

Ion Ratio Lower Upper

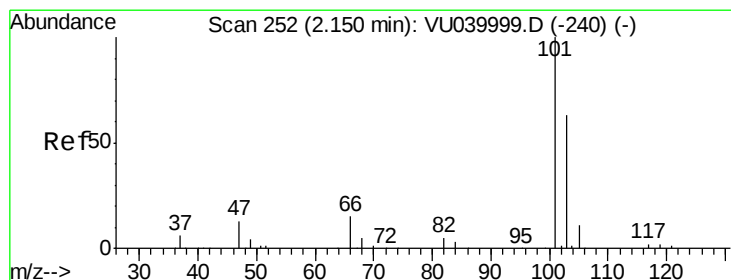
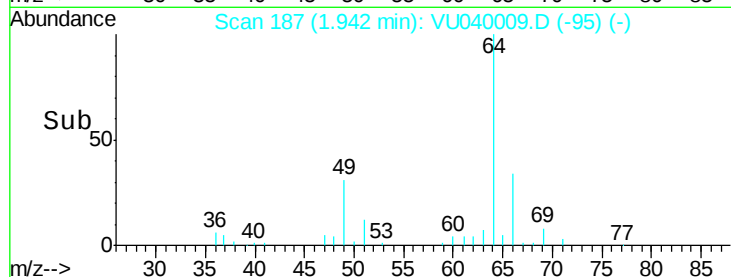
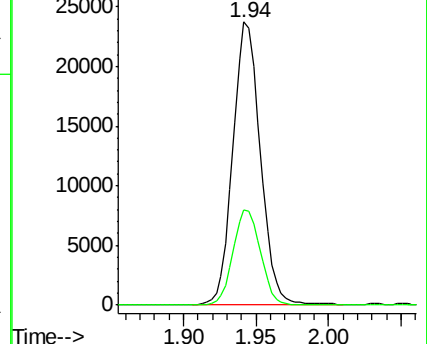
64 100

66 33.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 5.213 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040009.D

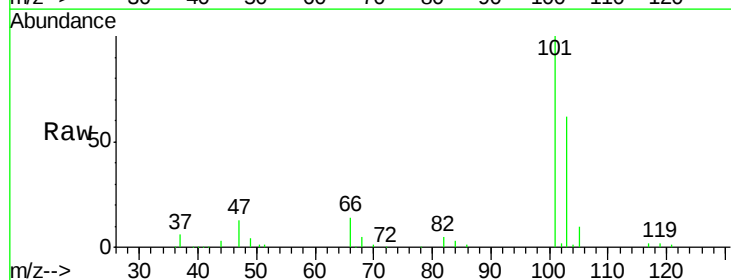
Acq: 01 Sep 2020 10:59

Tgt Ion: 101 Resp: 77577

Ion Ratio Lower Upper

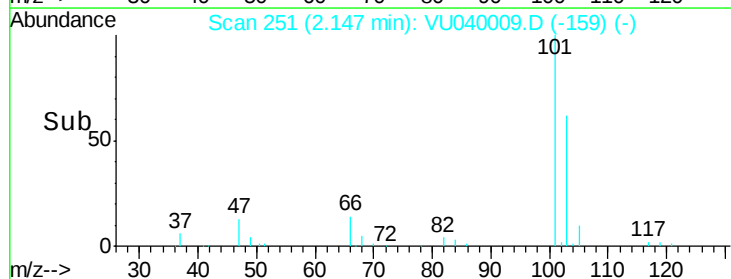
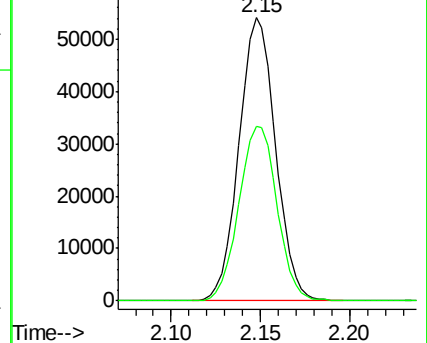
101 100

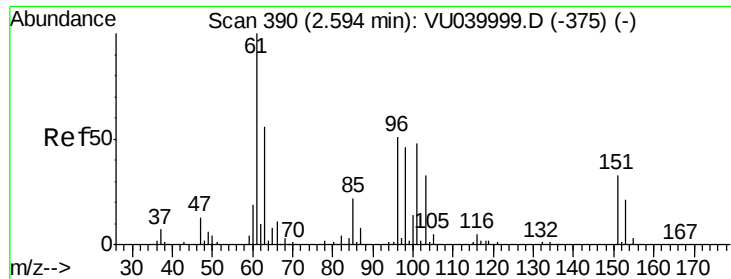
103 64.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.129 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

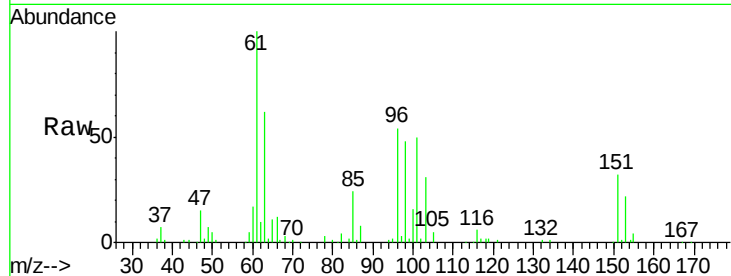
Tgt Ion: 101 Resp: 49478

Ion Ratio Lower Upper

101 100

85 46.9 37.7 56.5

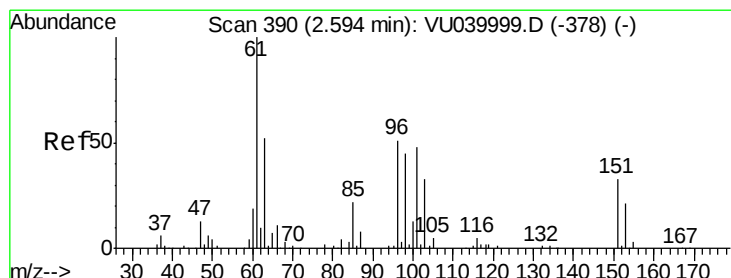
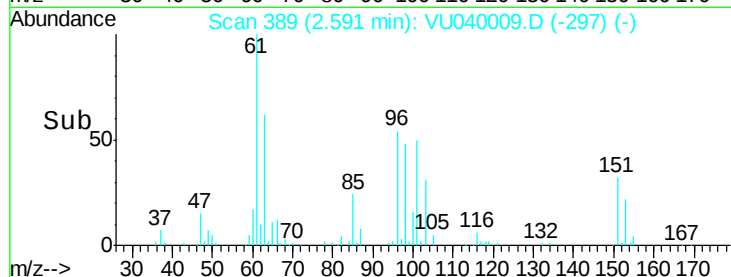
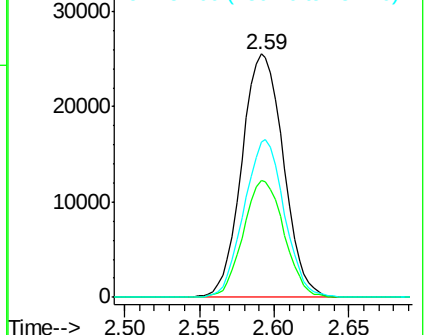
151 62.8 53.9 80.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.266 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

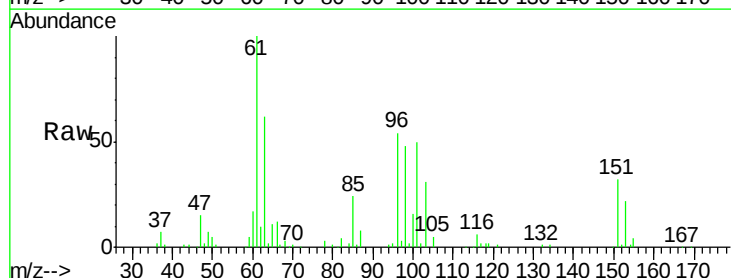
Tgt Ion: 96 Resp: 43953

Ion Ratio Lower Upper

96 100

61 186.2 138.3 256.8

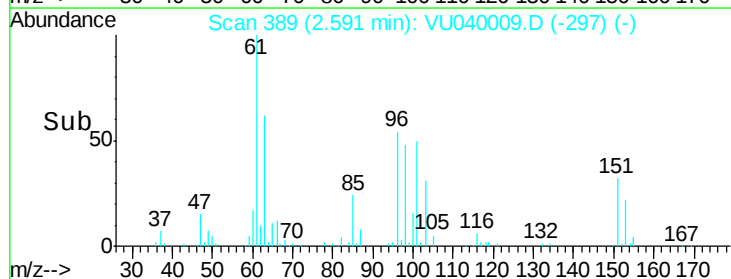
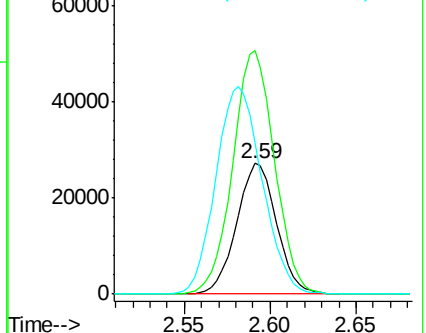
63 115.7 77.6 144.2

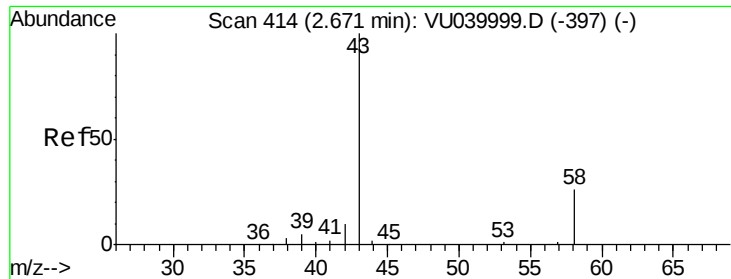


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.375 ug/L

RT: 2.67 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040009.D

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Instrument :

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ClientSampleId :

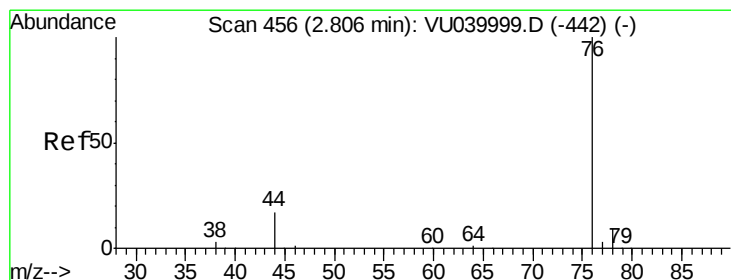
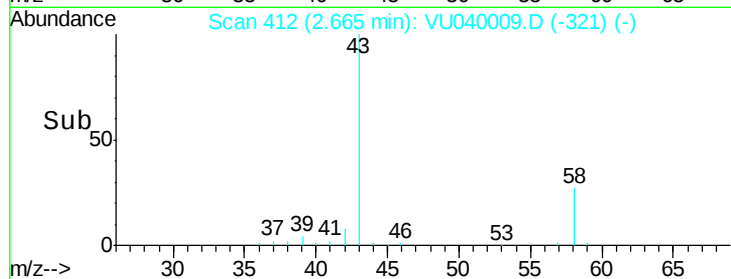
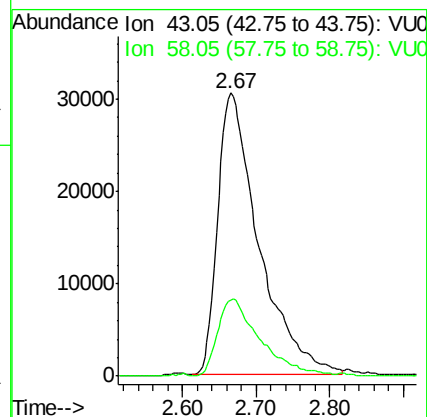
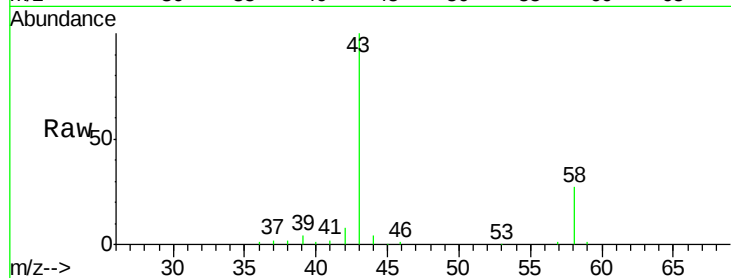
VSTD00516

Tgt Ion: 43 Resp: 118551

Ion Ratio Lower Upper

43 100

58 28.4 0.0 55.4



#14

Carbon disulfide

Concen: 4.859 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040009.D

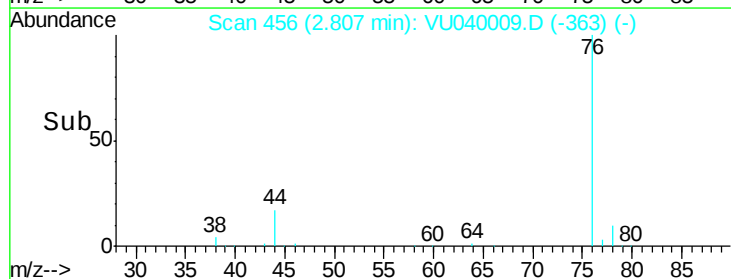
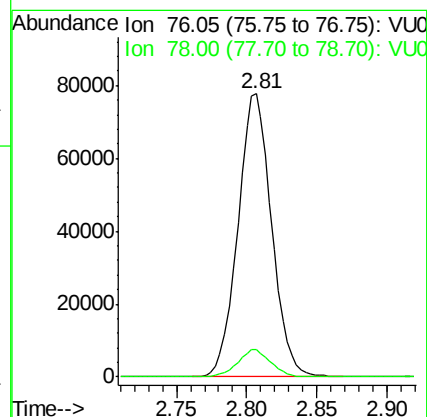
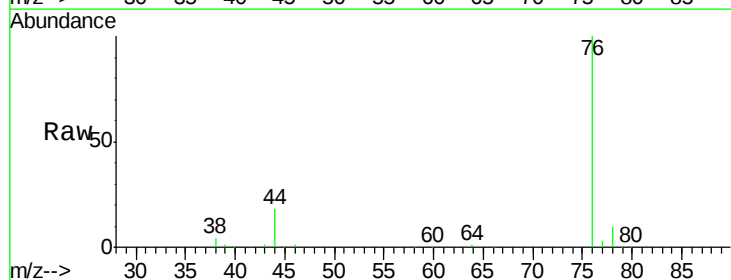
Acq: 01 Sep 2020 10:59

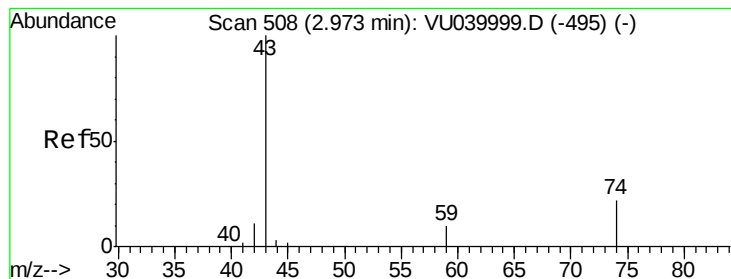
Tgt Ion: 76 Resp: 130031

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8





#15

Methyl Acetate

Concen: 5.183 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

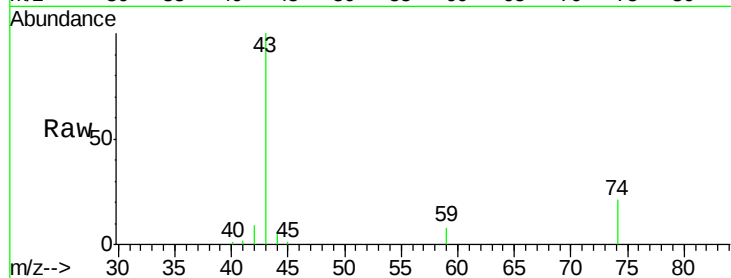
VSTD00516

Tgt Ion: 43 Resp: 28359

Ion Ratio Lower Upper

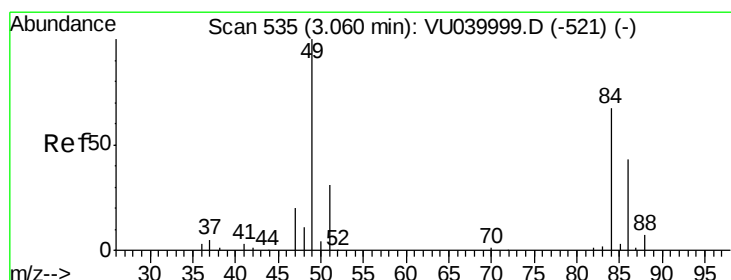
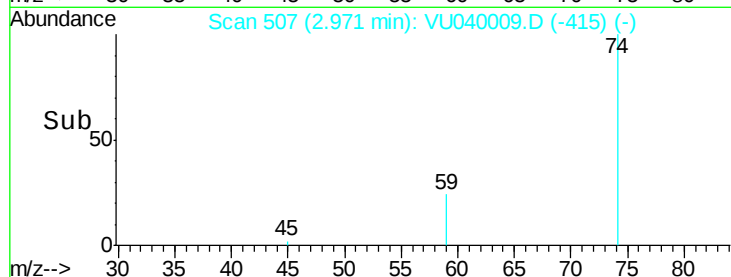
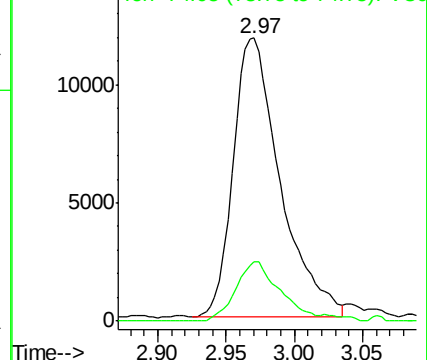
43 100

74 19.9 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.023 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

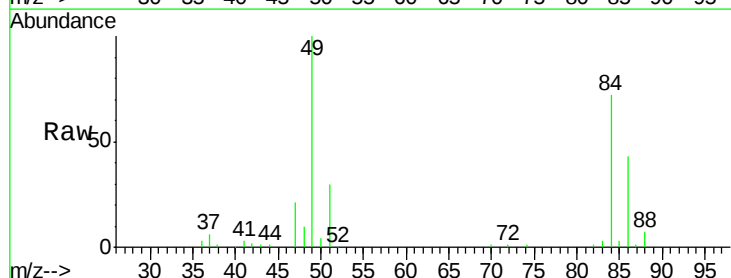
Tgt Ion: 84 Resp: 54899

Ion Ratio Lower Upper

84 100

86 60.2 45.2 84.0

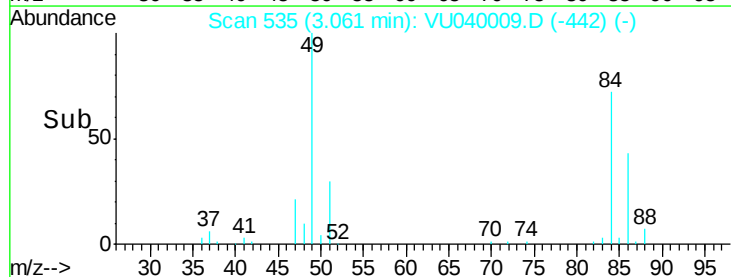
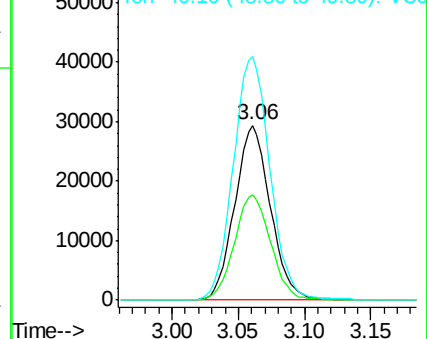
49 139.0 104.0 193.2

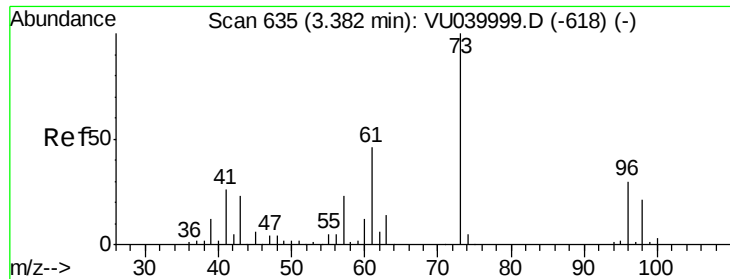


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

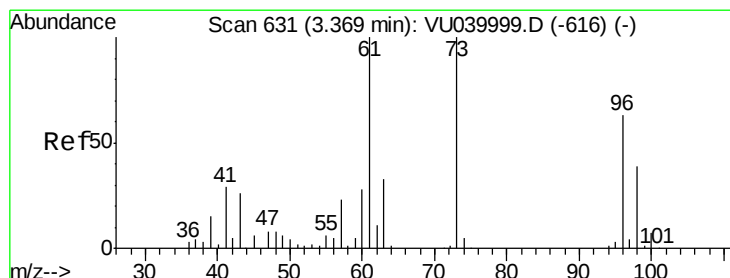
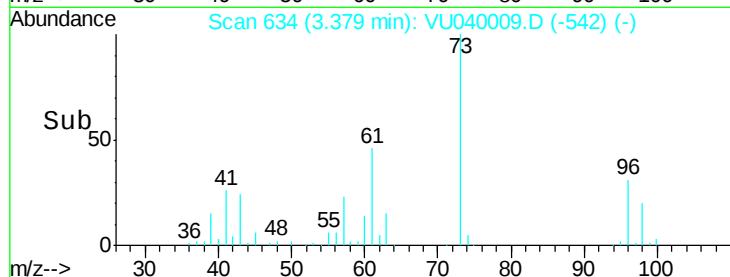
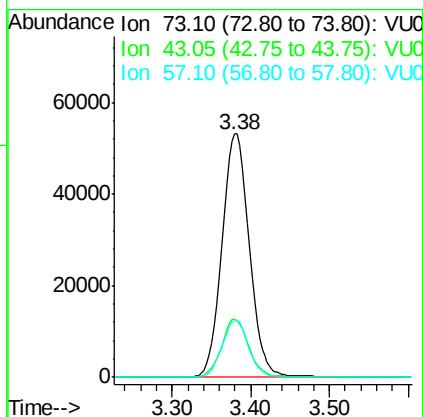
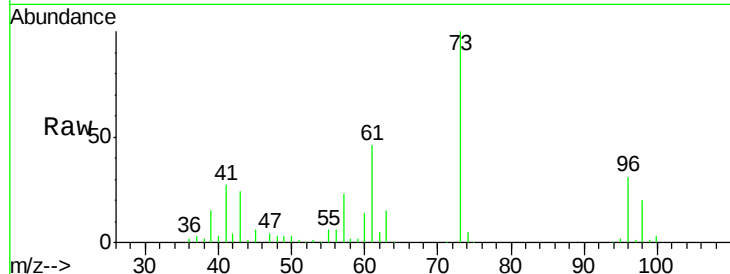




#17
Methyl tert-butyl Ether
Concen: 5.078 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

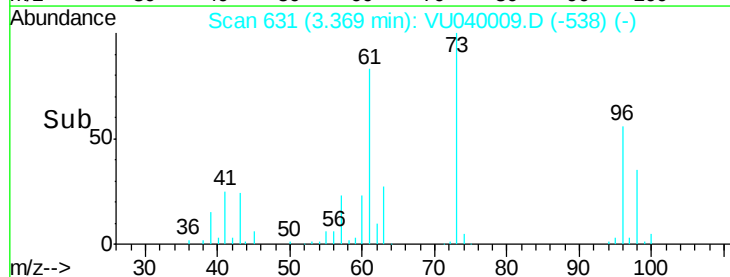
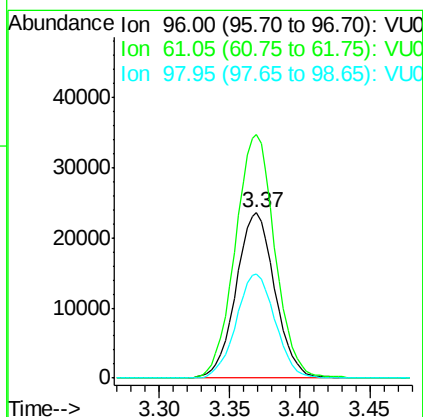
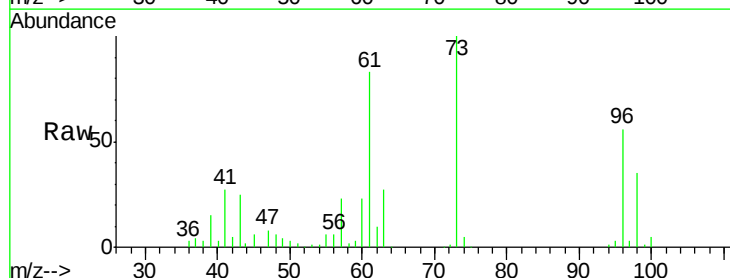
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

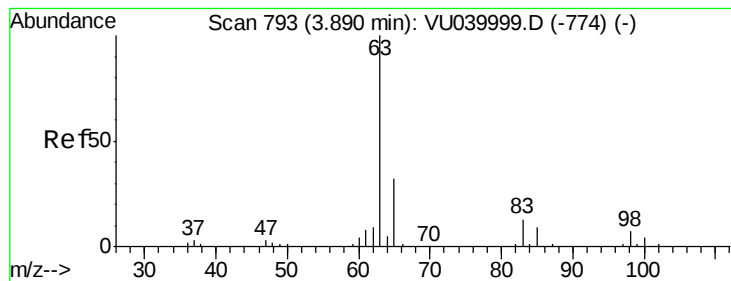
Tgt Ion: 73 Resp: 127726
Ion Ratio Lower Upper
73 100
43 23.8 19.1 28.7
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.056 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

Tgt Ion: 96 Resp: 45394
Ion Ratio Lower Upper
96 100
61 147.6 110.5 205.3
98 63.1 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.034 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

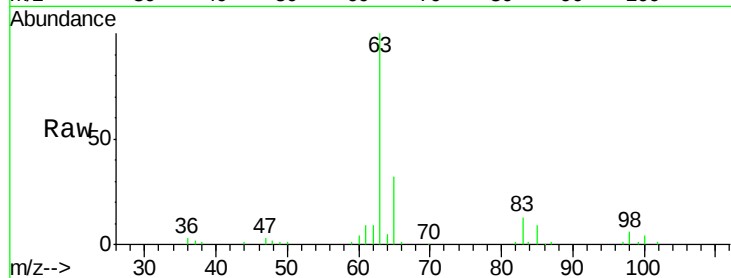
Tgt Ion: 63 Resp: 93020

Ion Ratio Lower Upper

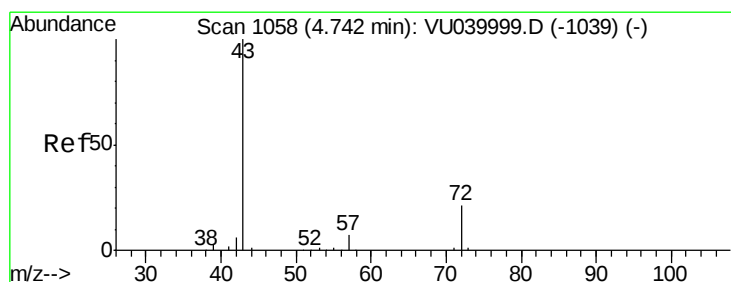
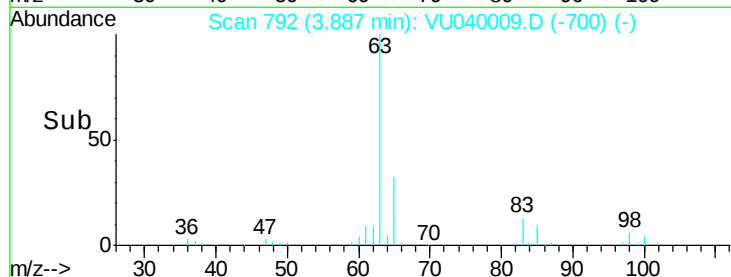
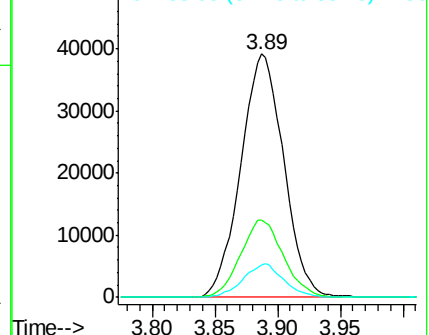
63 100

65 31.6 22.2 41.2

83 13.4 9.4 17.6



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



#21

2-Butanone

Concen: 54.505 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VU040009.D

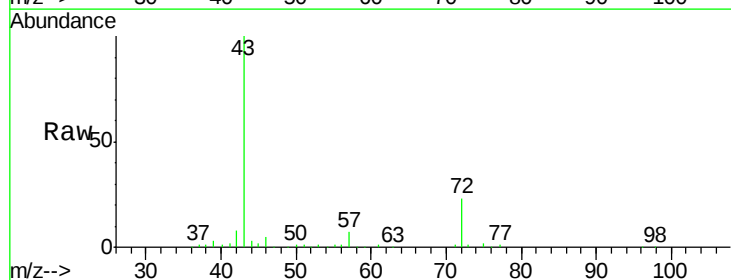
Acq: 01 Sep 2020 10:59

Tgt Ion: 43 Resp: 194008

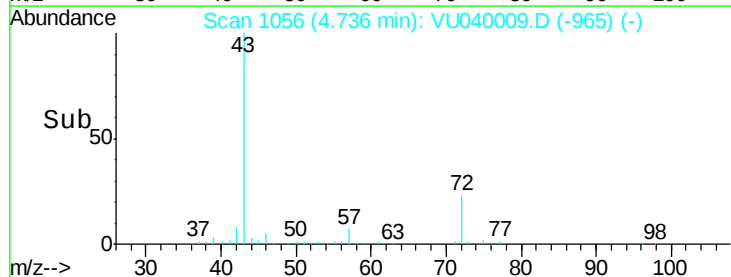
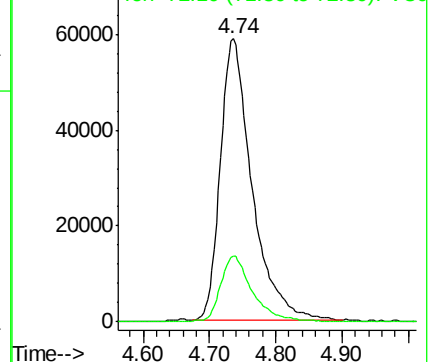
Ion Ratio Lower Upper

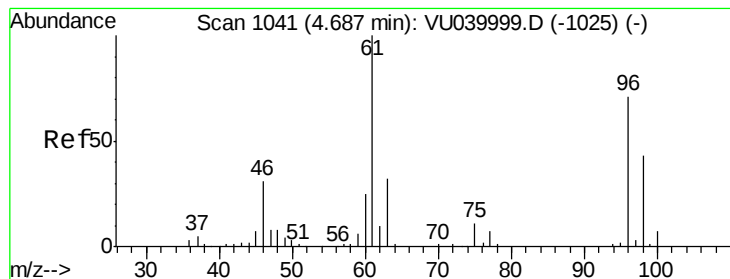
43 100

72 23.7 11.7 35.0



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





#22

cis-1,2-Dichloroethene

Concen: 5.061 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

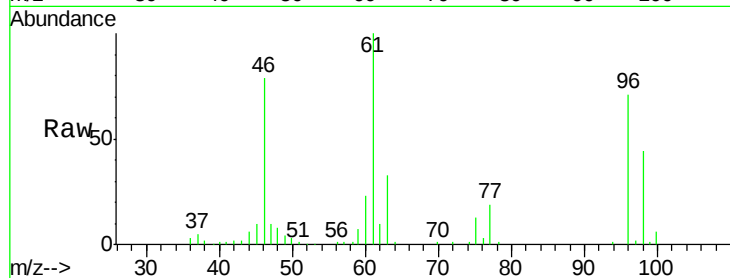
Tgt Ion: 96 Resp: 48856

Ion Ratio Lower Upper

96 100

61 141.8 98.8 183.4

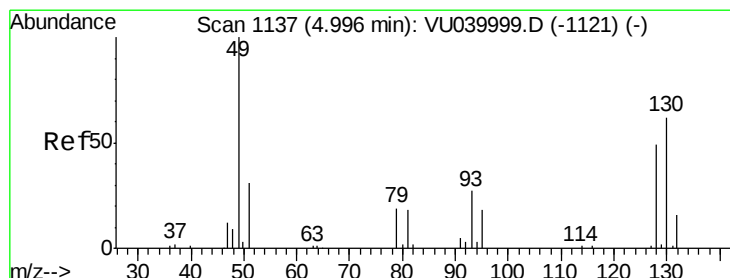
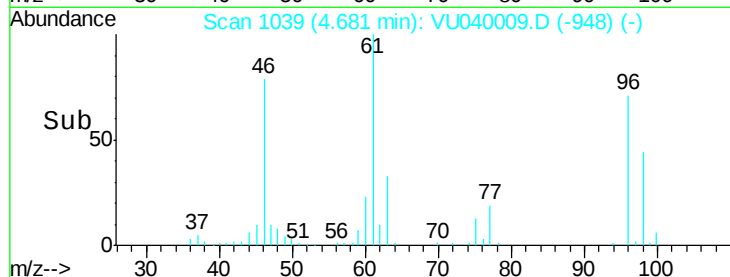
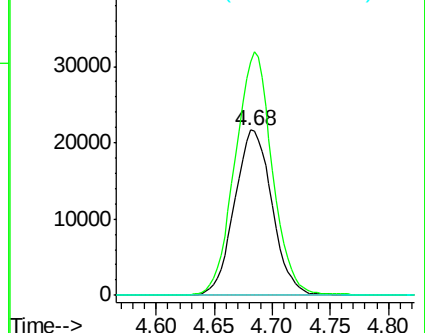
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040009.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU040009.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU040009.D (-1025) (-)



#23

Bromochloromethane

Concen: 5.304 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Tgt Ion: 128 Resp: 22435

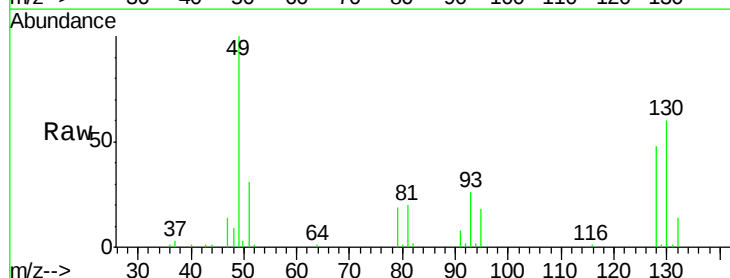
Ion Ratio Lower Upper

128 100

49 210.2 143.4 266.4

130 126.8 89.5 166.3

51 64.6 51.0 76.4

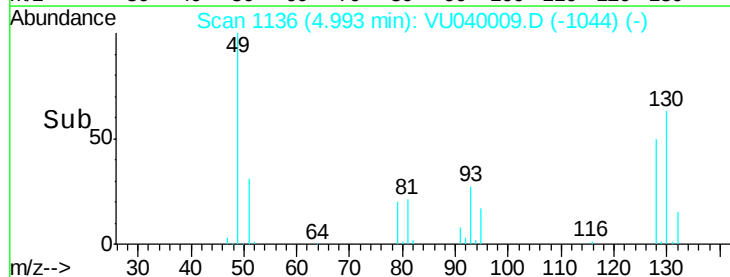
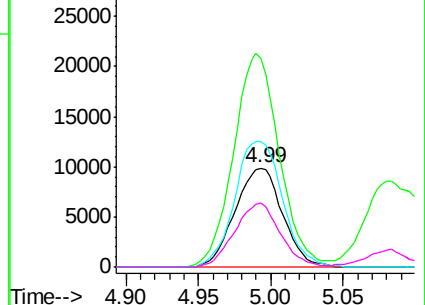


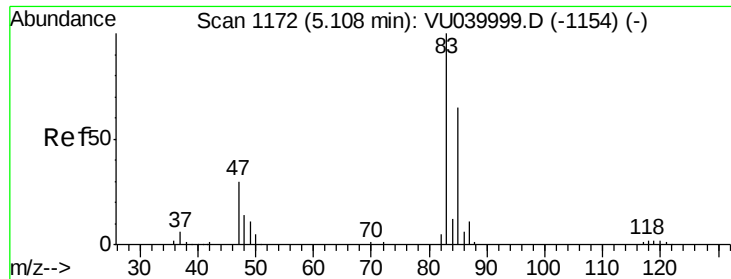
Abundance Ion 127.90 (127.60 to 128.60): VU040009.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU040009.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU040009.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU040009.D (-1121) (-)

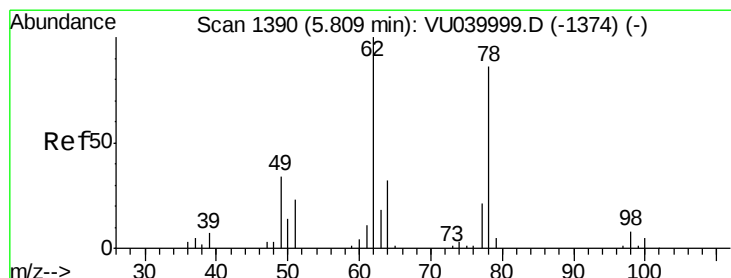
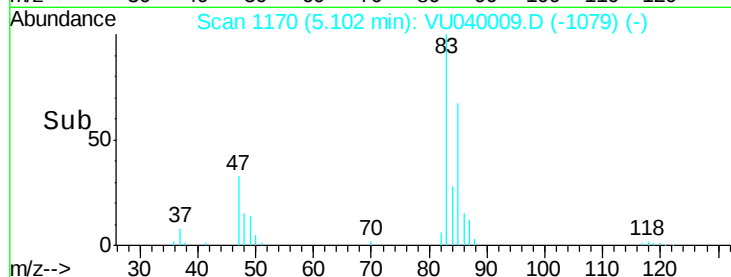
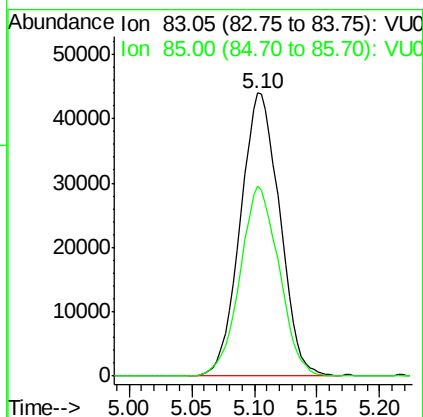
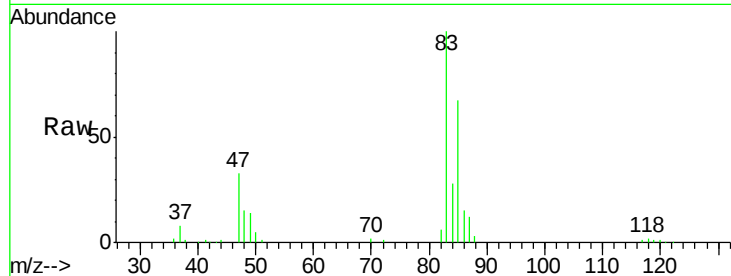




#25
Chloroform
Concen: 5.081 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

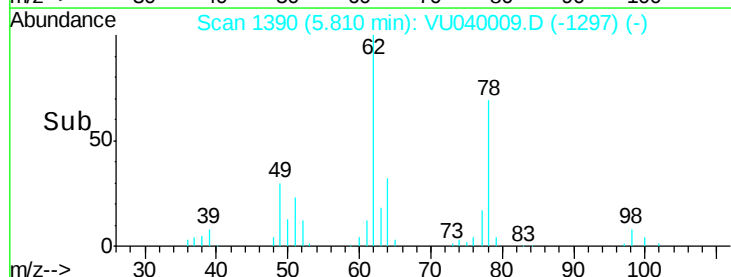
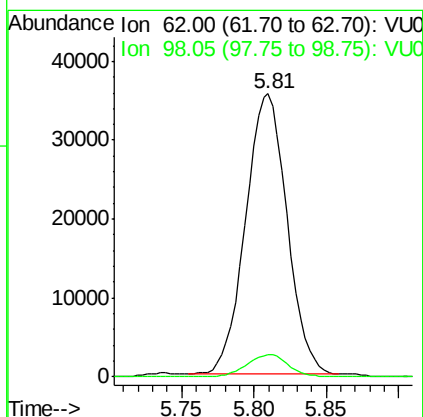
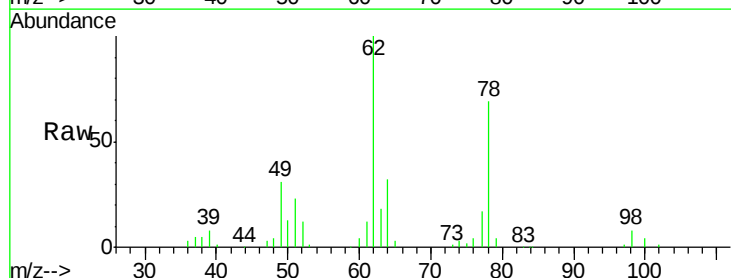
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

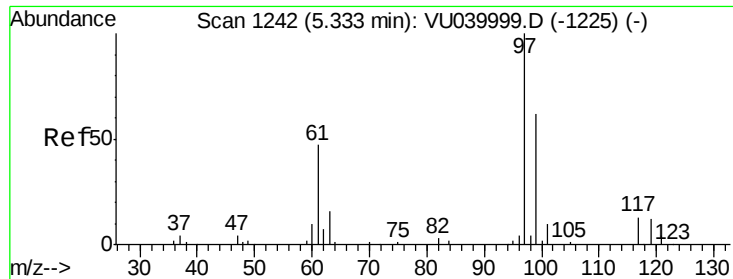
Tgt Ion: 83 Resp: 96162
Ion Ratio Lower Upper
83 100
85 67.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.093 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

Tgt Ion: 62 Resp: 70615
Ion Ratio Lower Upper
62 100
98 7.9 6.1 9.1

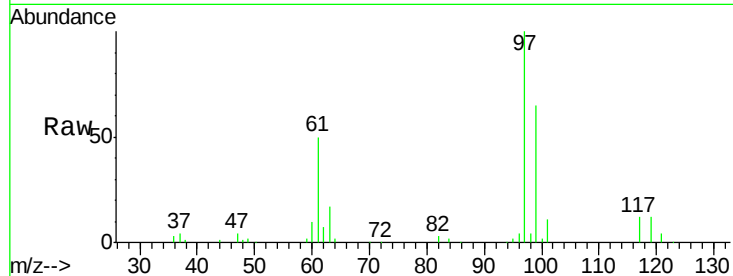




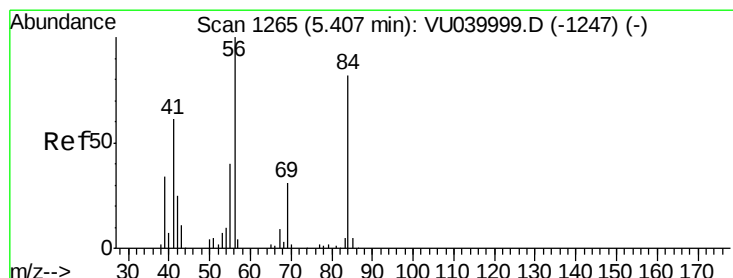
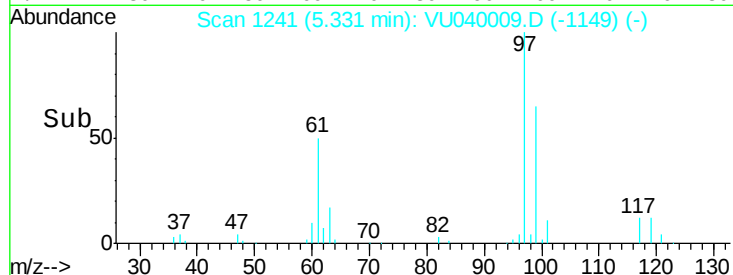
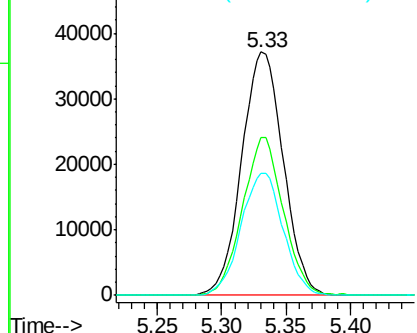
#29
 1,1,1-Trichloroethane
 Concen: 4.954 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 97 Resp: 83457
 Ion Ratio Lower Upper
 97 100
 99 63.5 50.9 76.3
 61 50.7 39.5 59.3

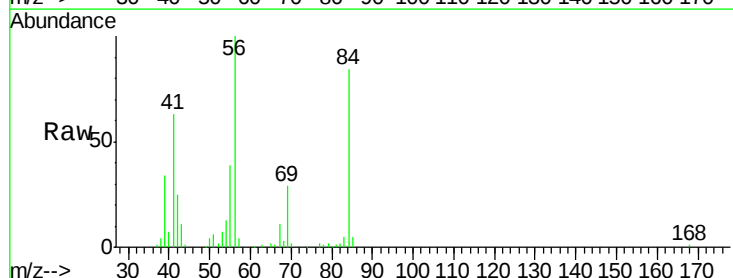


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

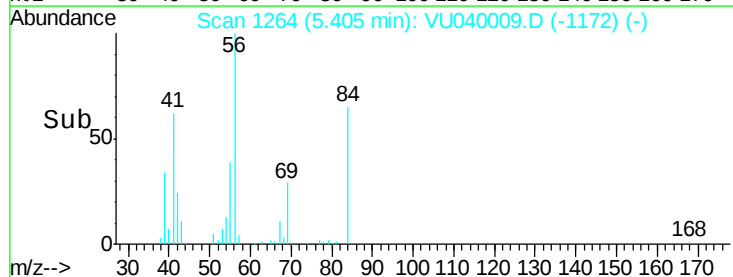
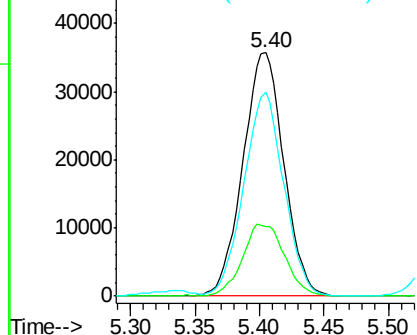


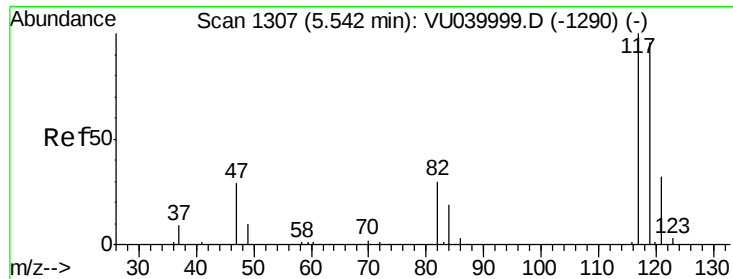
#30
 Cyclohexane
 Concen: 4.828 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Tgt Ion: 56 Resp: 78871
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.1 36.1
 84 82.1 65.0 97.4



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





#31

Carbon tetrachloride

Concen: 4.872 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

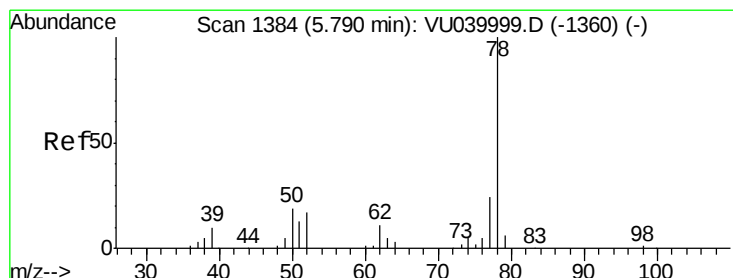
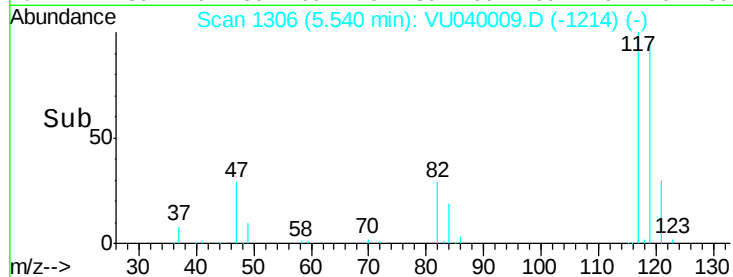
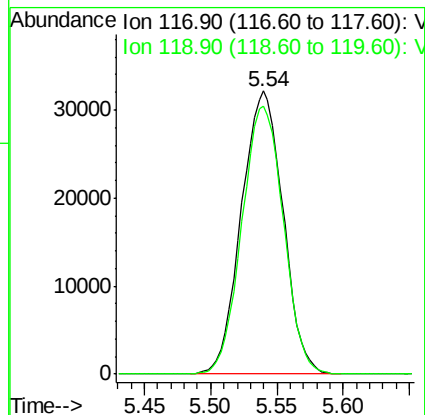
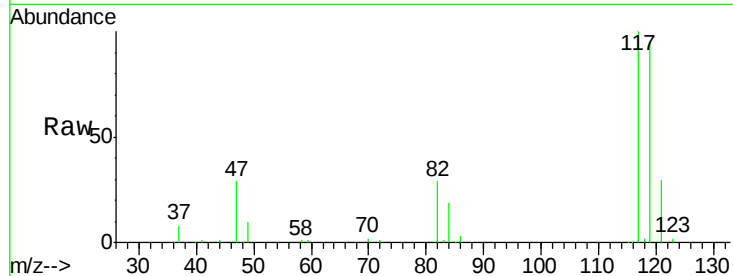
VSTD00516

Tgt Ion:117 Resp: 70240

Ion Ratio Lower Upper

117 100

119 94.4 77.7 116.5



#33

Benzene

Concen: 5.008 ug/L

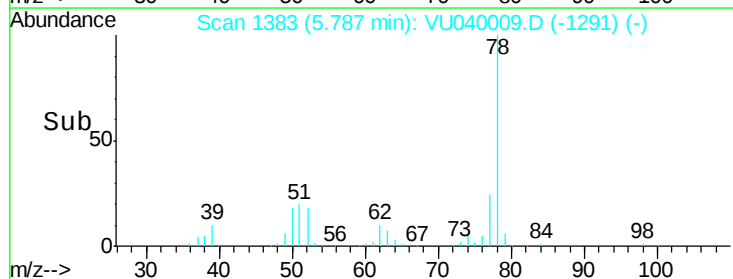
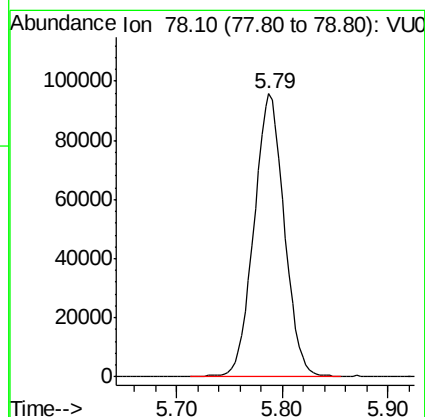
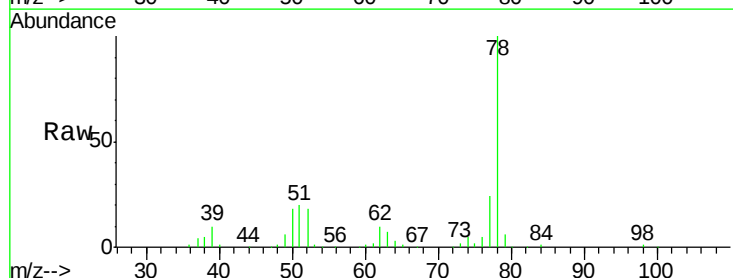
RT: 5.79 min Scan# 1383

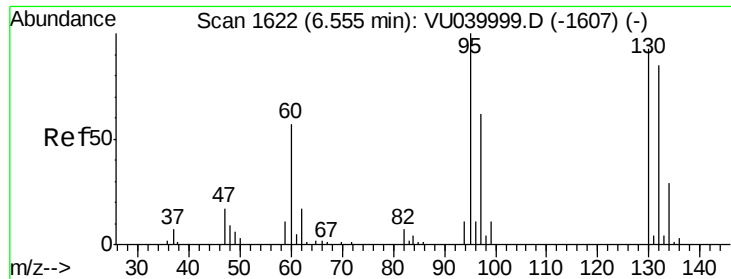
Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Tgt Ion: 78 Resp: 192231

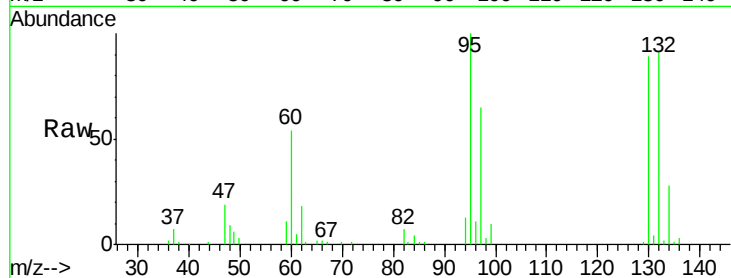




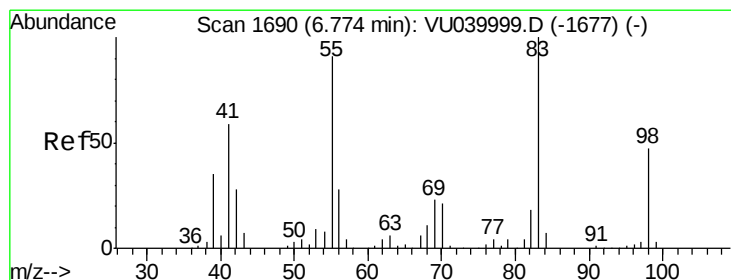
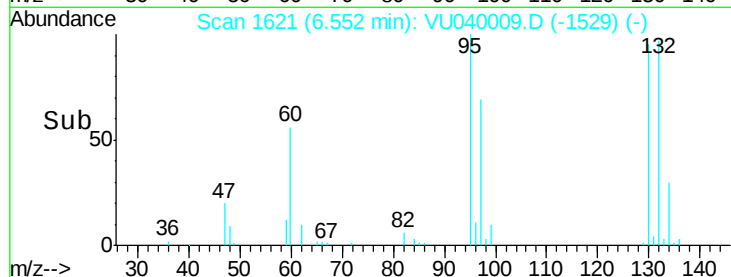
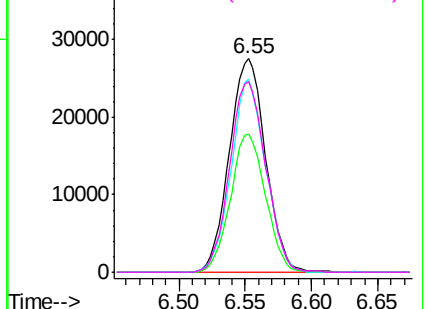
#34
 Trichloroethene
 Concen: 5.078 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 95 Resp: 52283
 Ion Ratio Lower Upper
 95 100
 97 64.8 43.3 80.5
 132 90.8 59.4 110.4
 130 89.3 64.8 120.4

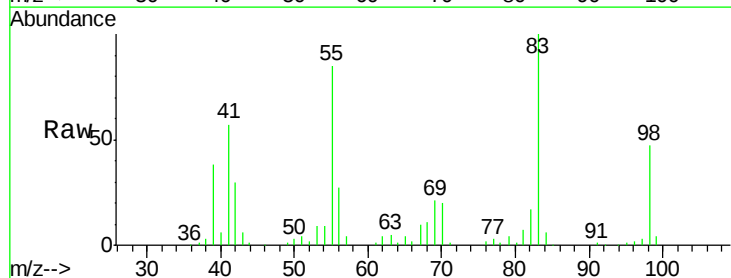


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

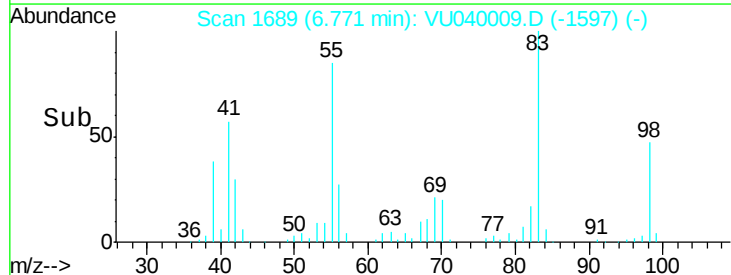
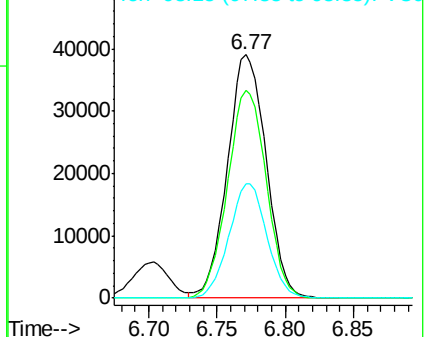


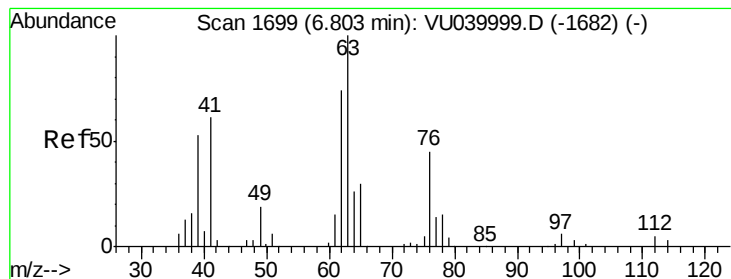
#35
 Methylcyclohexane
 Concen: 4.899 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Tgt Ion: 83 Resp: 77240
 Ion Ratio Lower Upper
 83 100
 55 85.0 70.5 105.7
 98 45.9 37.8 56.6



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.149 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

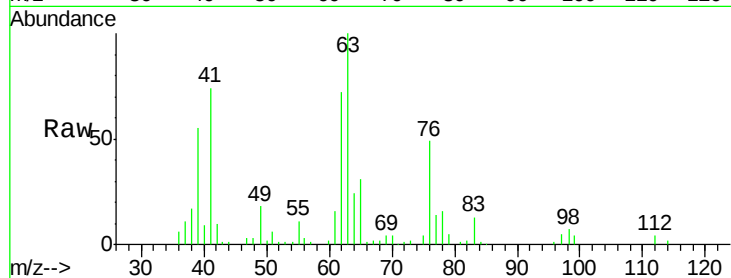
VSTD00516

Tgt Ion: 63 Resp: 53515

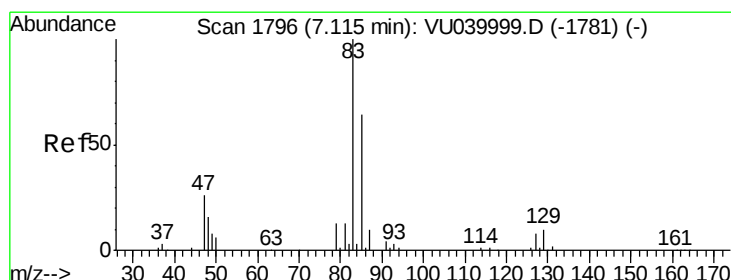
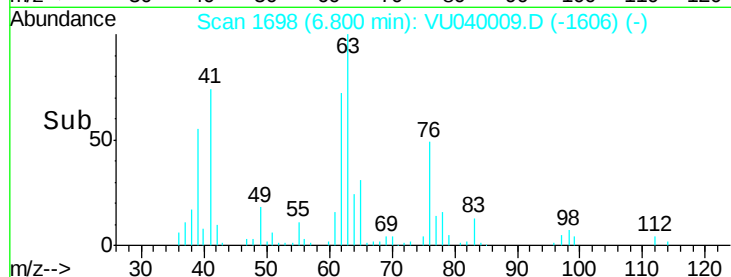
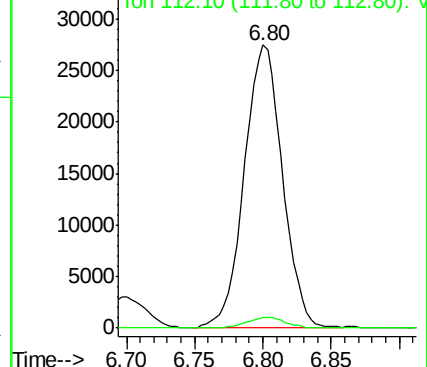
Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040009.D (-1682) (-)



#38

Bromodichloromethane

Concen: 4.933 ug/L

RT: 7.12 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

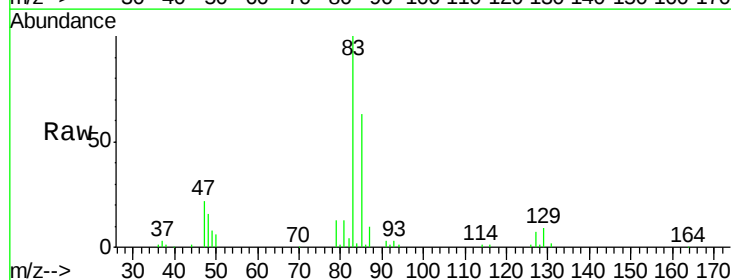
Tgt Ion: 83 Resp: 69998

Ion Ratio Lower Upper

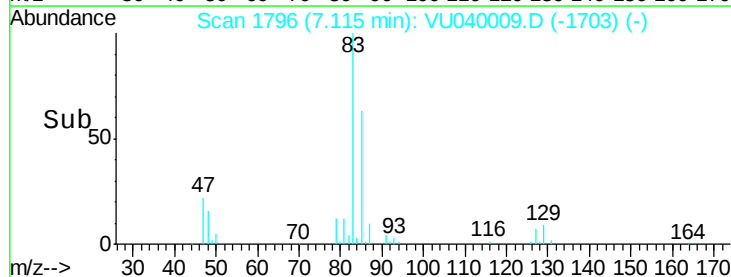
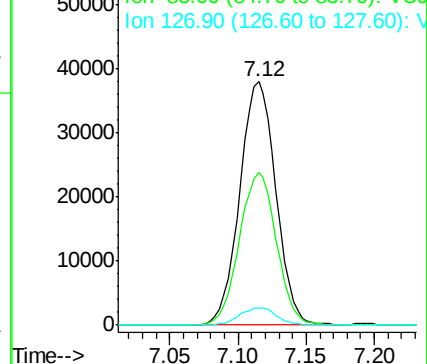
83 100

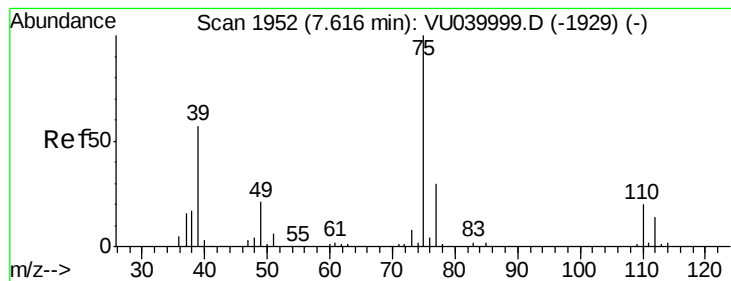
85 62.8 45.1 83.9

127 7.2 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040009.D (-1781) (-)



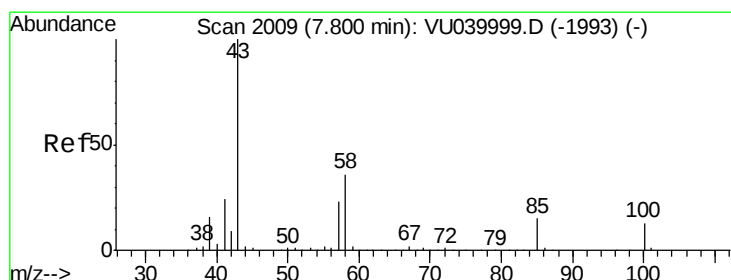
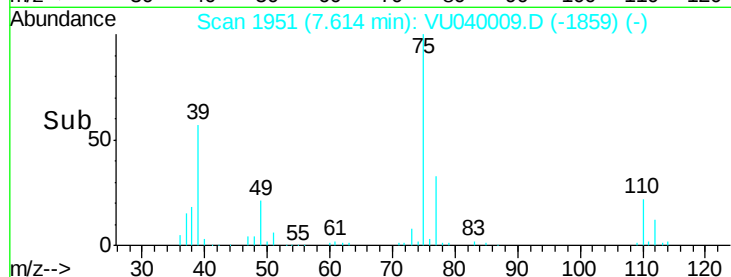
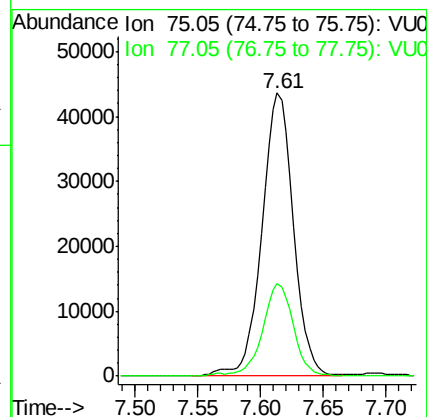
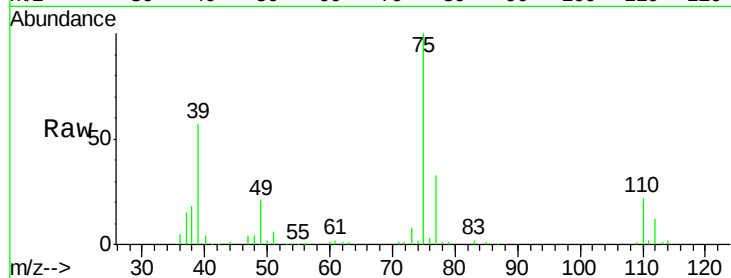


#39

cis-1,3-Dichloropropene
 Concen: 4.977 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

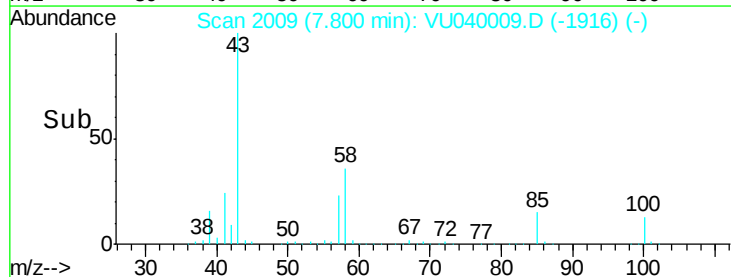
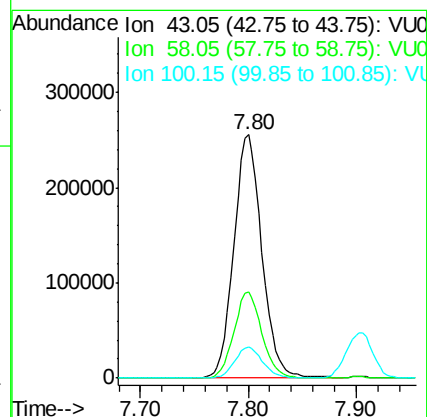
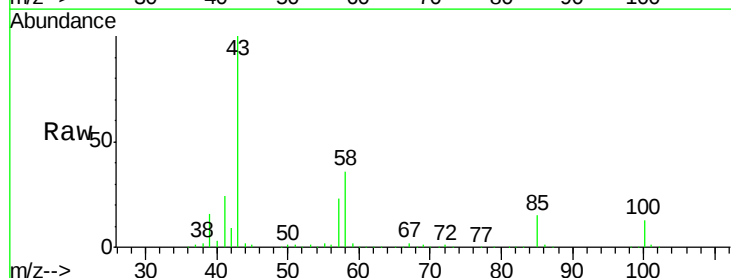
Tgt Ion: 75 Resp: 76281
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.1 39.3

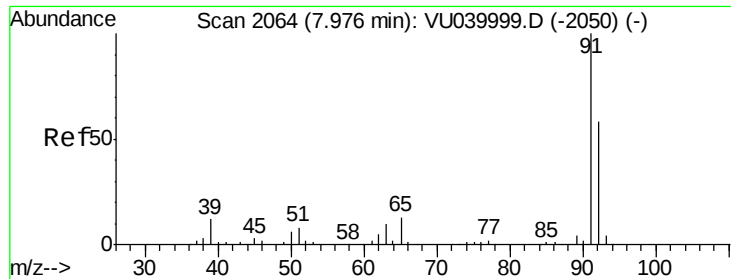


#40

4-Methyl-2-pentanone
 Concen: 54.413 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Tgt Ion: 43 Resp: 464024
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.7 43.1
 100 12.7 10.2 15.2





#42

Toluene

Concen: 5.137 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

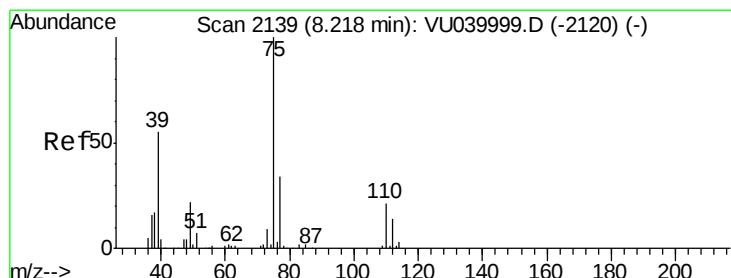
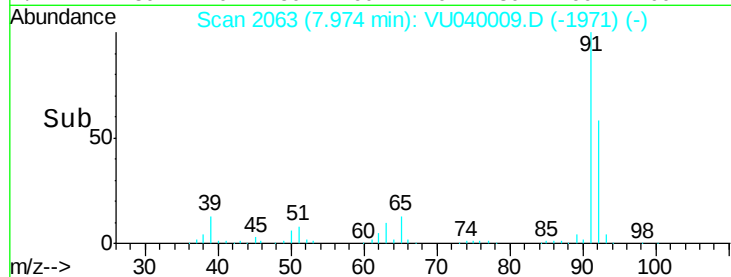
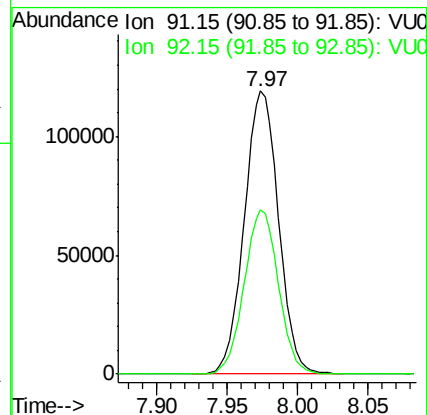
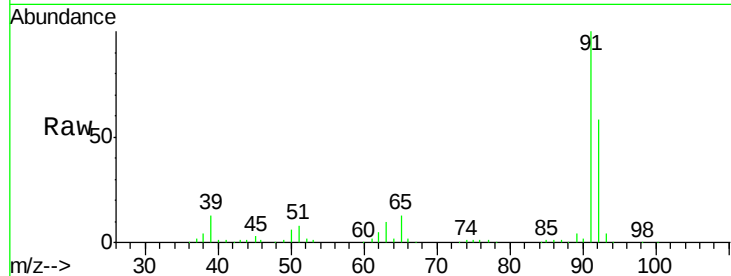
VSTD00516

Tgt Ion: 91 Resp: 203058

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.046 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040009.D

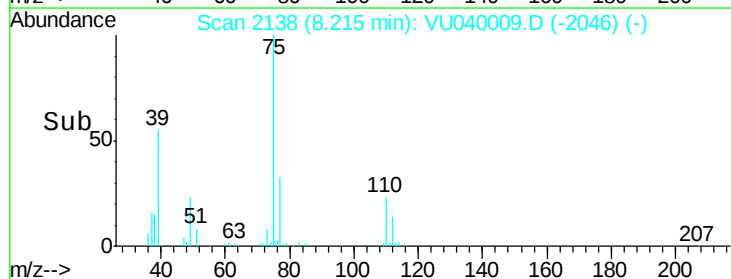
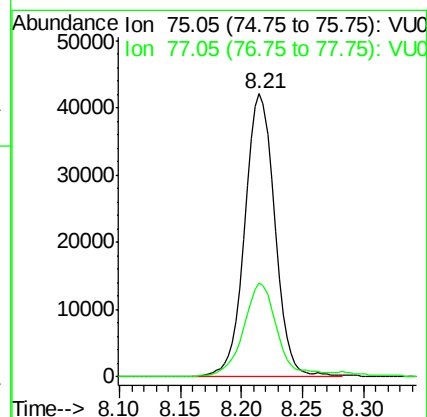
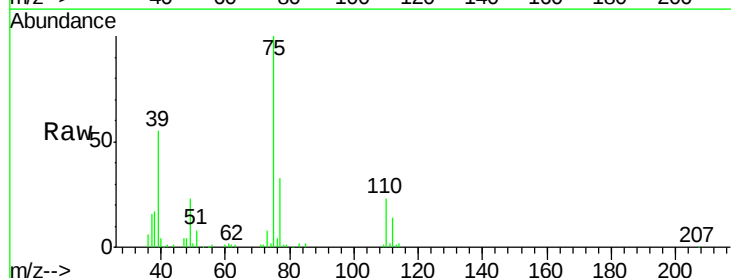
Acq: 01 Sep 2020 10:59

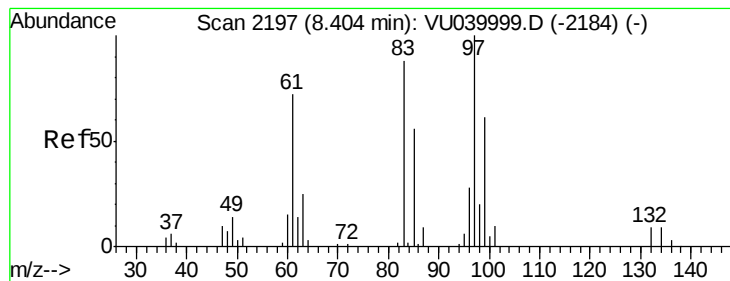
Tgt Ion: 75 Resp: 71666

Ion Ratio Lower Upper

75 100

77 33.1 23.9 44.3





#45

1,1,2-Trichloroethane

Concen: 5.183 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tgt Ion: 97 Resp: 39243

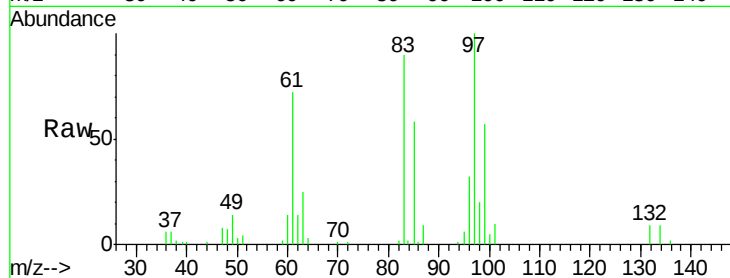
Ion Ratio Lower Upper

97 100

99 57.5 43.0 79.8

83 90.0 61.7 114.7

85 58.3 39.3 73.1

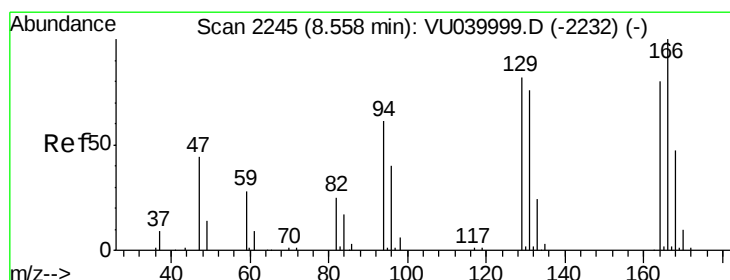
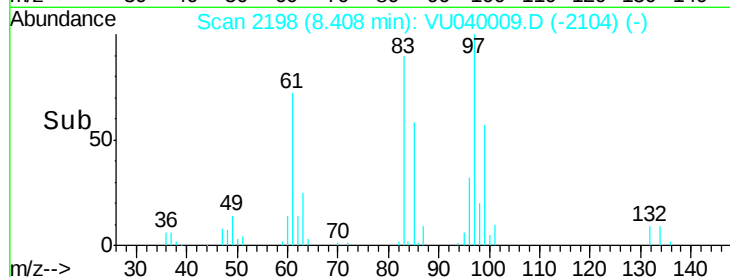
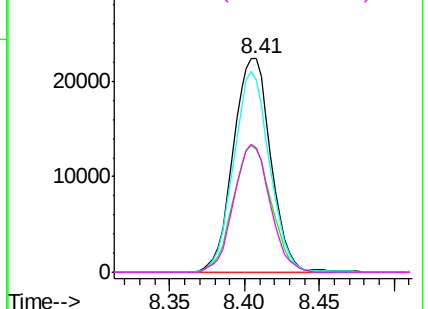


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.893 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Tgt Ion: 164 Resp: 33091

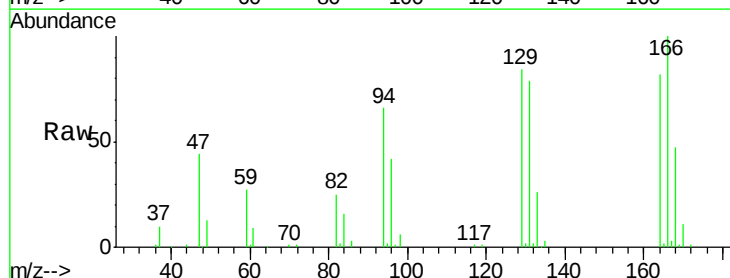
Ion Ratio Lower Upper

164 100

129 102.9 71.5 132.7

131 96.9 65.9 122.5

166 122.5 87.3 162.1

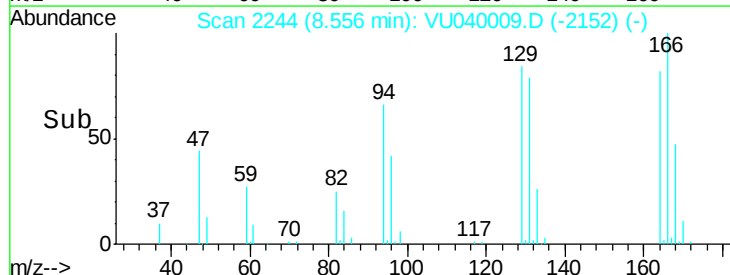
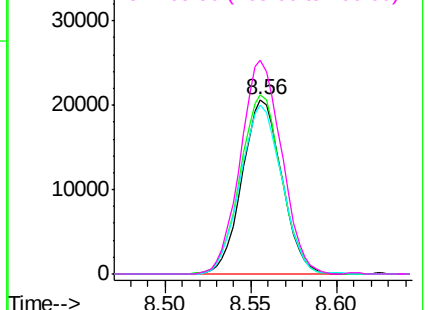


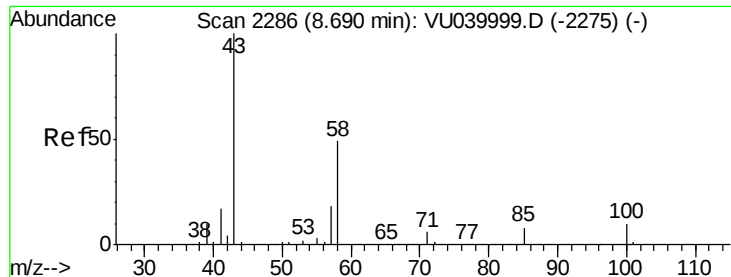
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

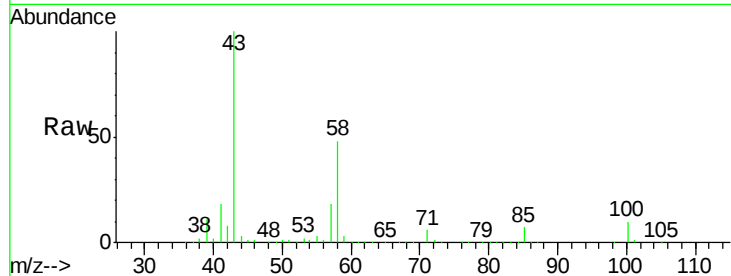




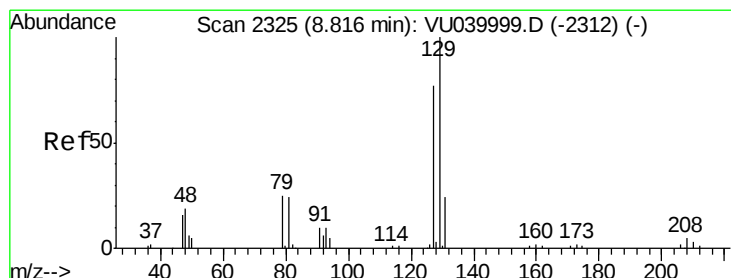
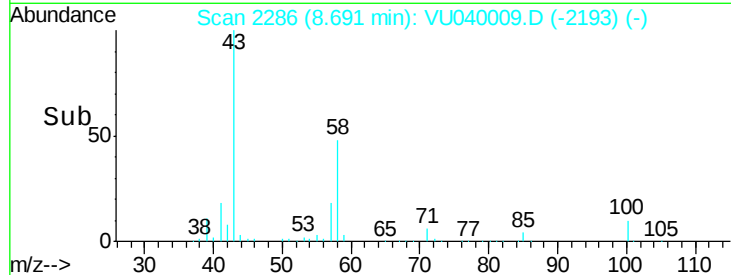
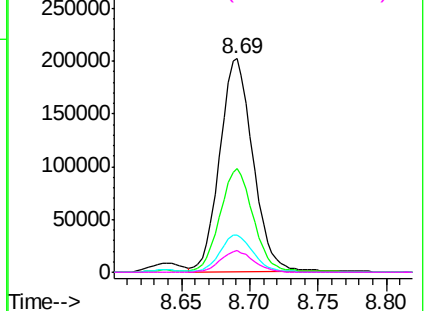
#48
2-Hexanone
Concen: 54.745 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tgt Ion:	43	Resp:	340540
Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.6	59.4
57	17.7	14.3	21.5
100	10.1	8.0	12.0

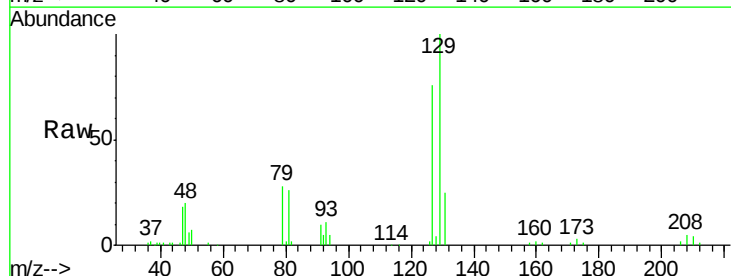


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

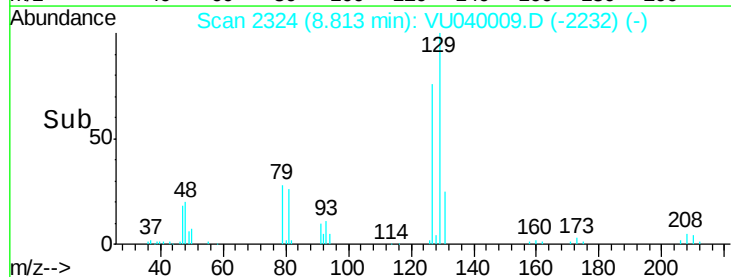
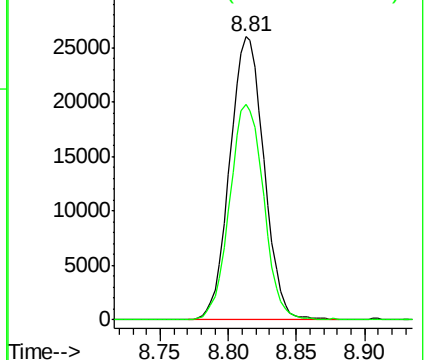


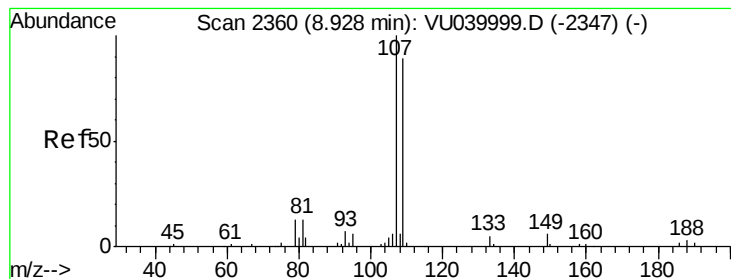
#49
Dibromochloromethane
Concen: 4.985 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

Tgt Ion:	129	Resp:	45307
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.7	99.7



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

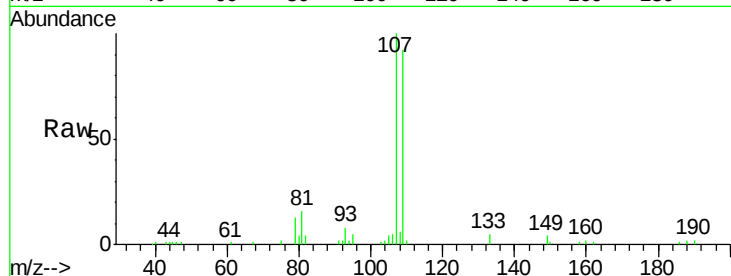




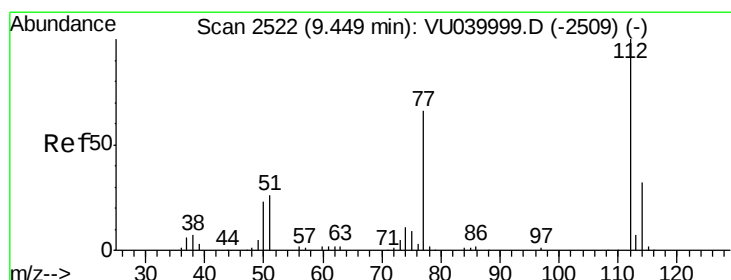
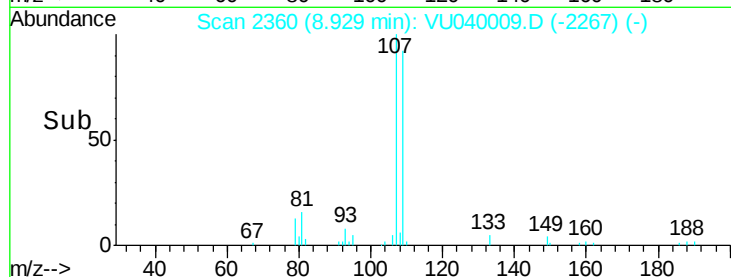
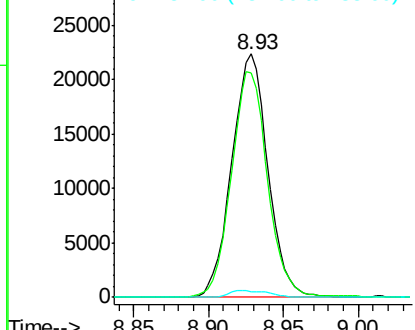
#50
1,2-Dibromoethane
Concen: 5.145 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tgt Ion:107 Resp: 37557
Ion Ratio Lower Upper
107 100
109 92.3 62.4 115.8
188 2.5 2.3 3.5

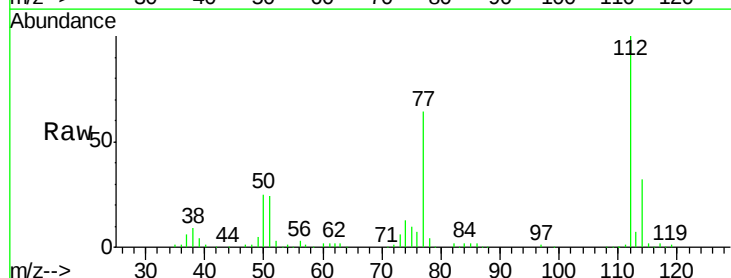


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

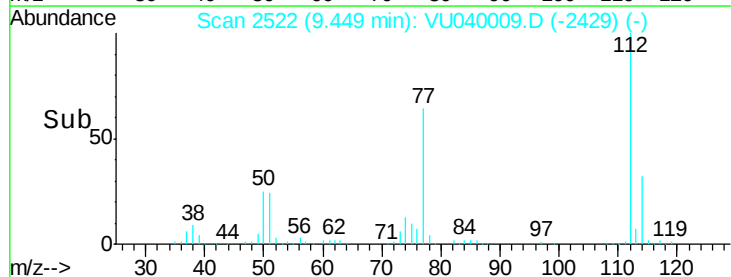
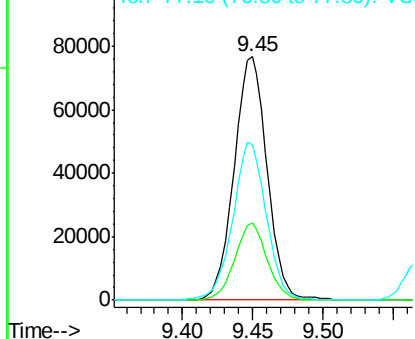


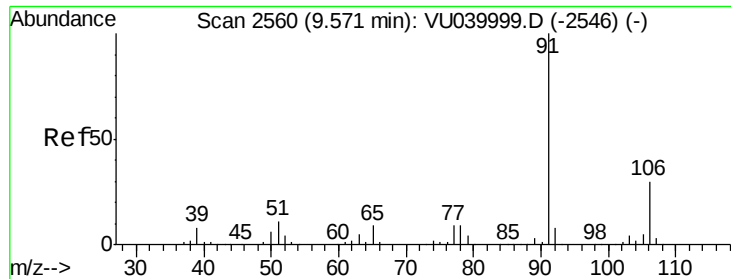
#51
Chlorobenzene
Concen: 5.122 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040009.D
Acq: 01 Sep 2020 10:59

Tgt Ion:112 Resp: 125704
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.3
77 63.7 53.2 79.8



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





#52

Ethylbenzene

Concen: 5.044 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

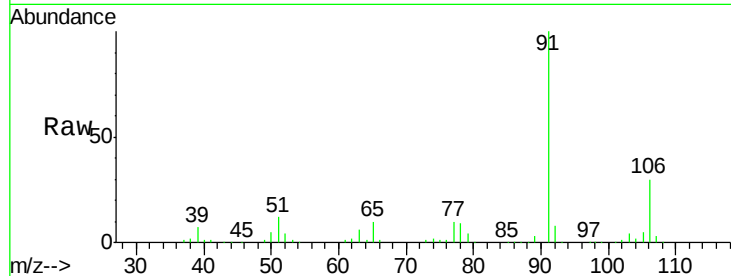
VSTD00516

Tgt Ion: 91 Resp: 226535

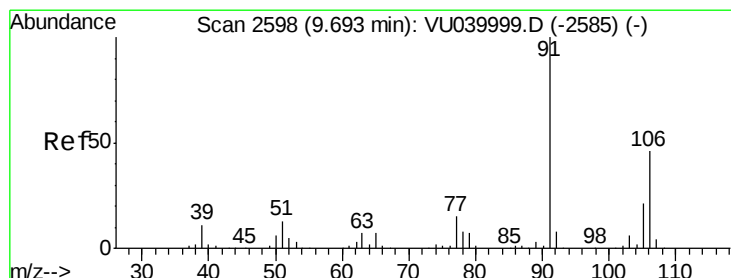
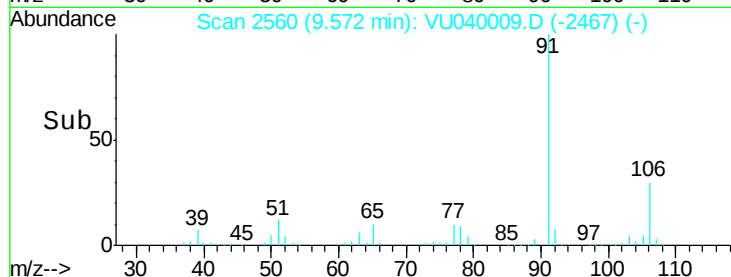
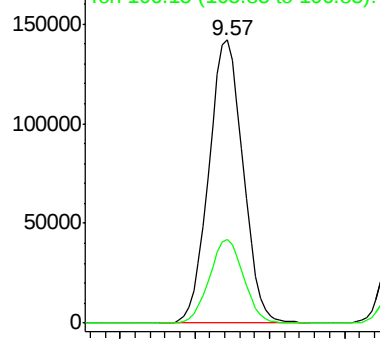
Ion Ratio Lower Upper

91 100

106 29.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040009.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.120 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040009.D

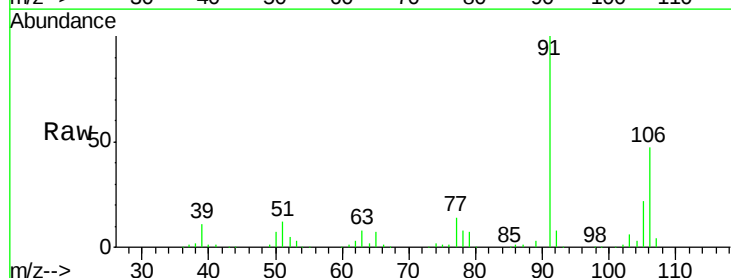
Acq: 01 Sep 2020 10:59

Tgt Ion: 106 Resp: 81879

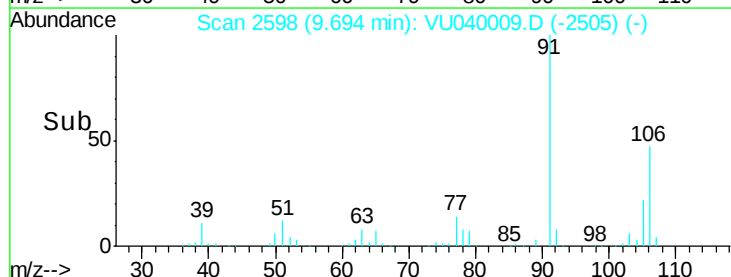
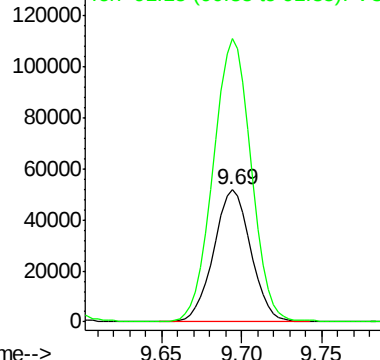
Ion Ratio Lower Upper

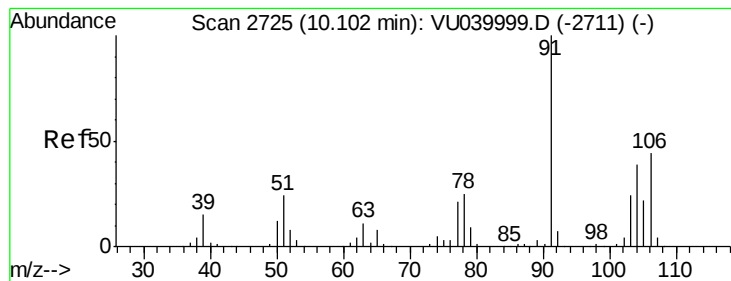
106 100

91 214.6 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040009.D (-2505) (-)





#54

o-Xylene

Concen: 5.199 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

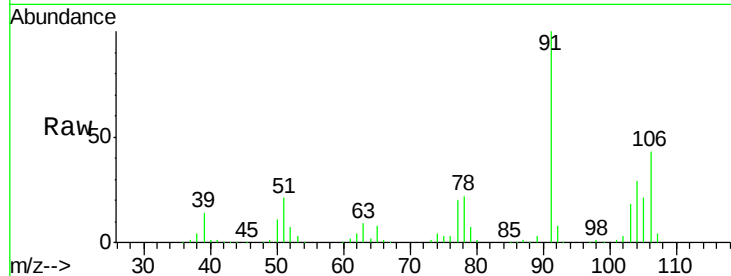
VSTD00516

Tgt Ion:106 Resp: 79229

Ion Ratio Lower Upper

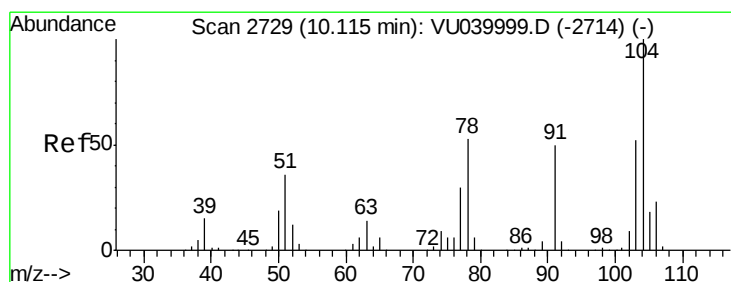
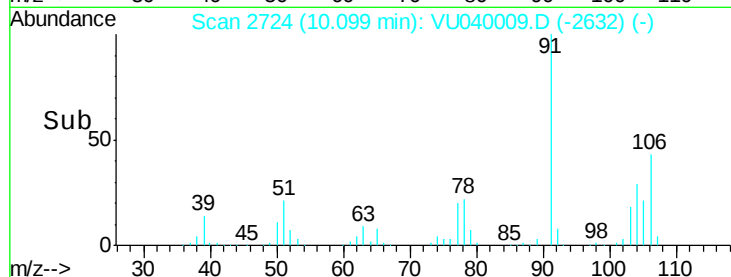
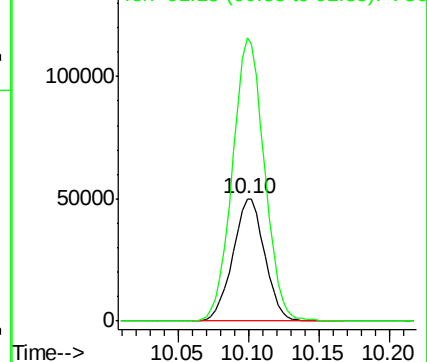
106 100

91 231.8 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.390 ug/L

RT: 10.12 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040009.D

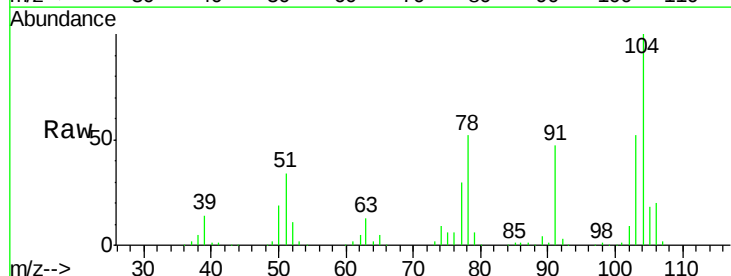
Acq: 01 Sep 2020 10:59

Tgt Ion:104 Resp: 142829

Ion Ratio Lower Upper

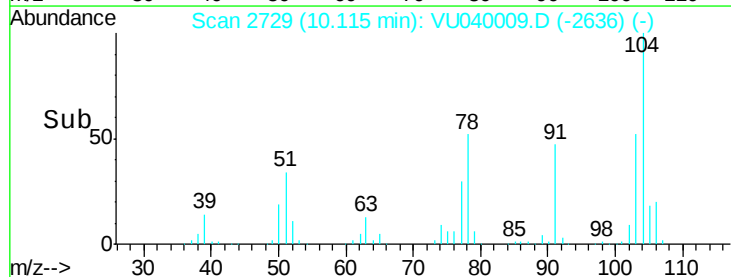
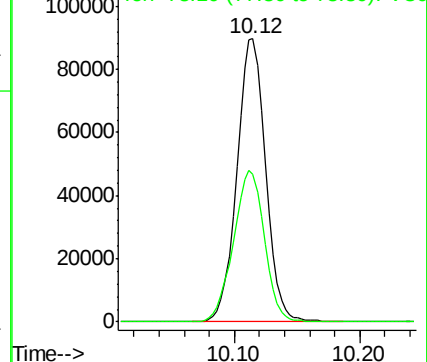
104 100

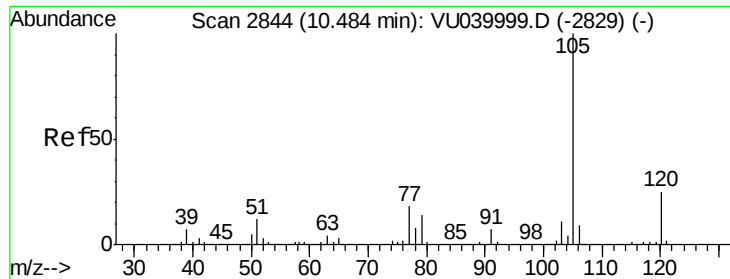
78 52.0 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.281 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

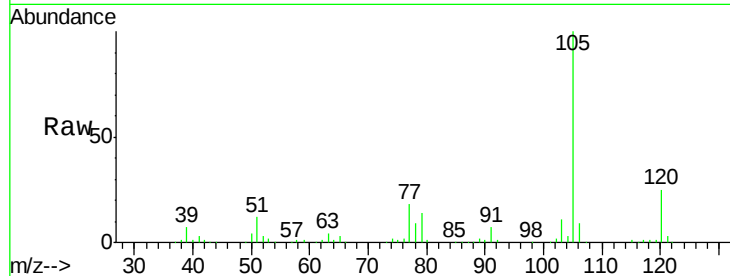
Tgt Ion: 105 Resp: 219459

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

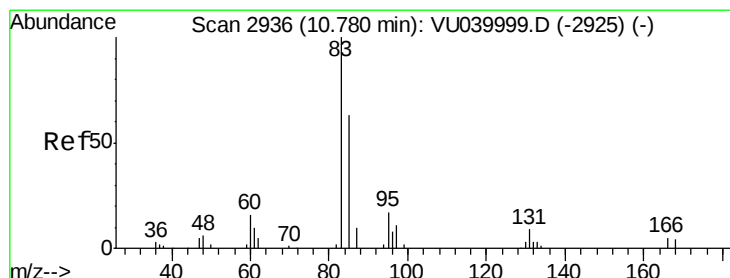
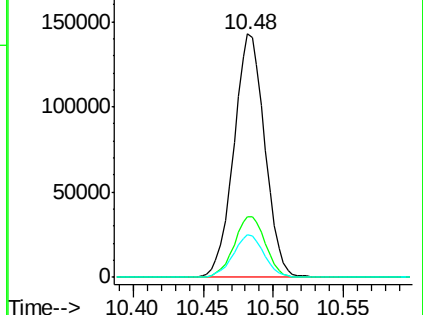
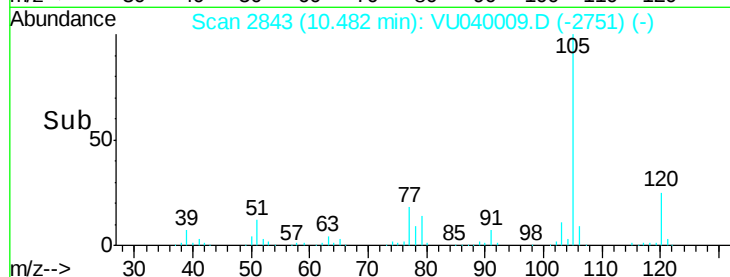
77 17.5 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.326 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

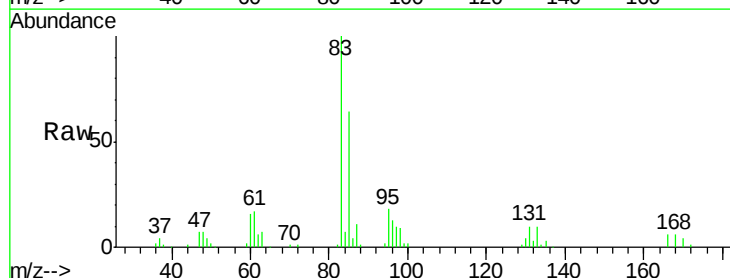
Tgt Ion: 83 Resp: 51713

Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.3

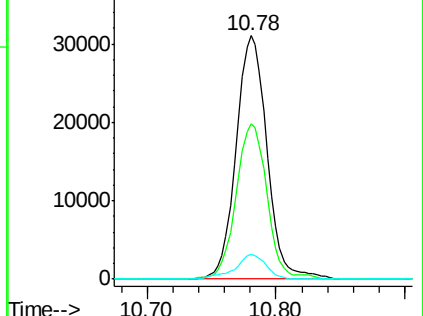
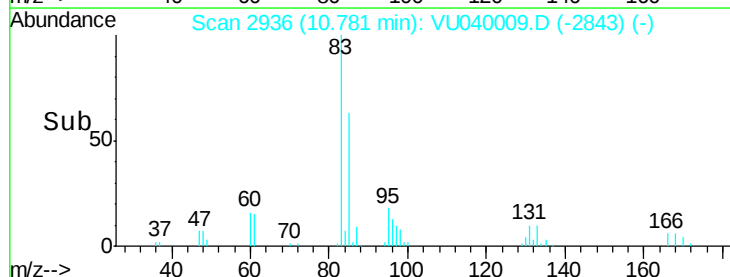
131 10.4 7.4 11.0

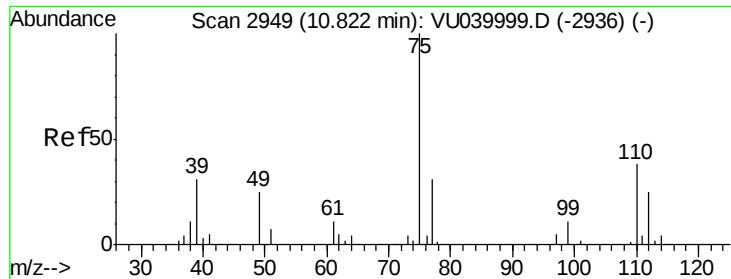


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

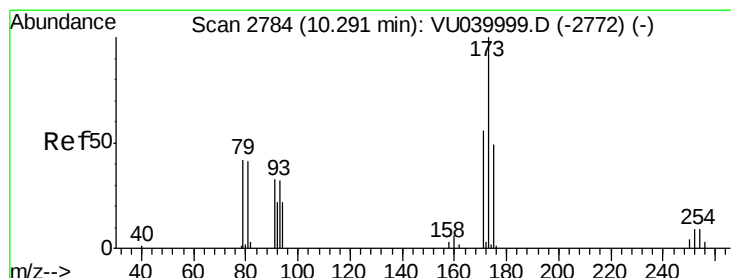
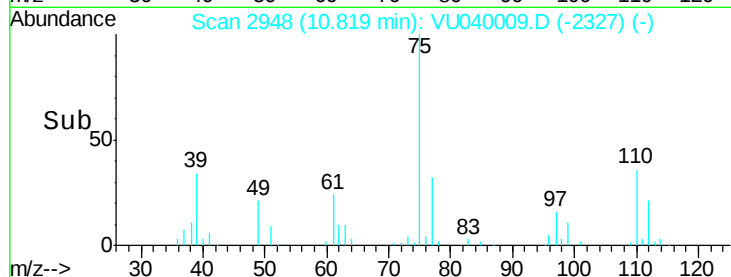
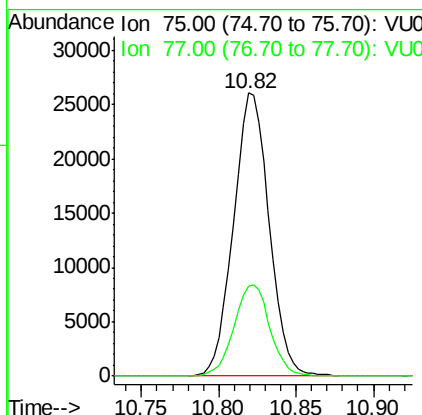
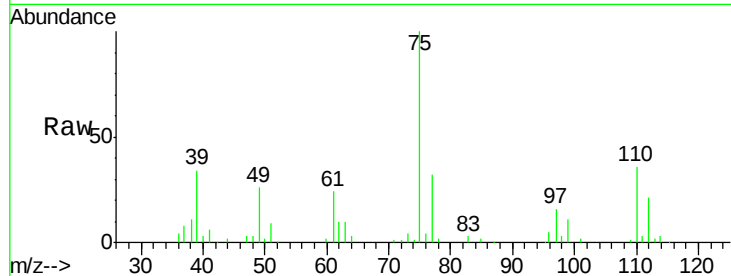




#59
 1,2,3-Trichloropropane
 Concen: 5.407 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

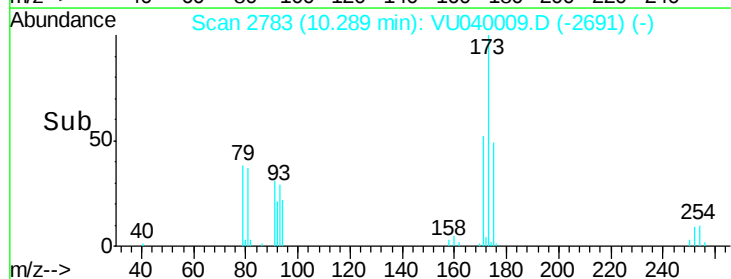
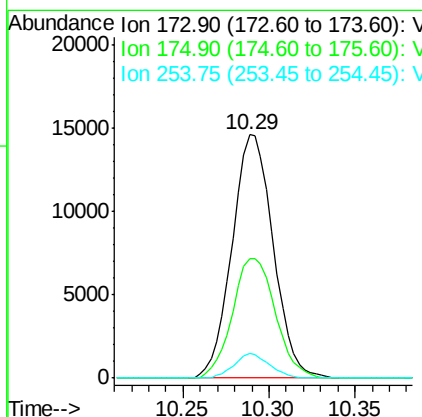
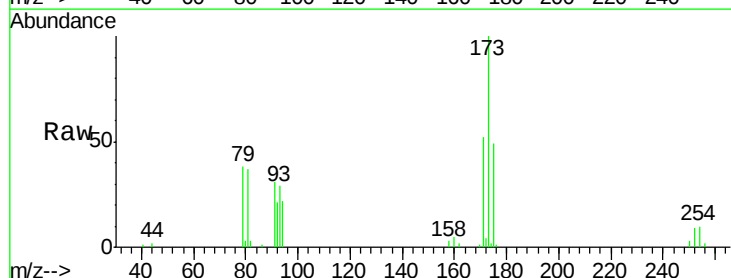
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

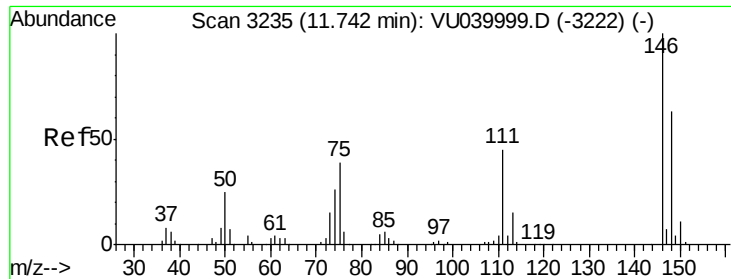
Tgt Ion: 75 Resp: 41637
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.9 37.3



#61
 Bromoform
 Concen: 4.935 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Tgt Ion: 173 Resp: 24231
 Ion Ratio Lower Upper
 173 100
 175 51.2 37.8 56.6
 254 8.6 6.8 10.2

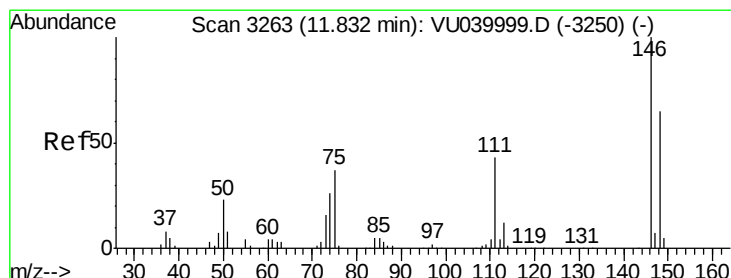
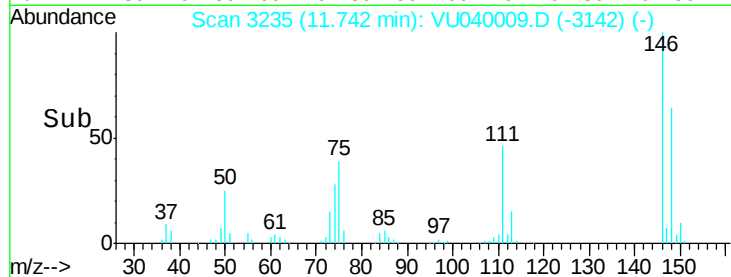
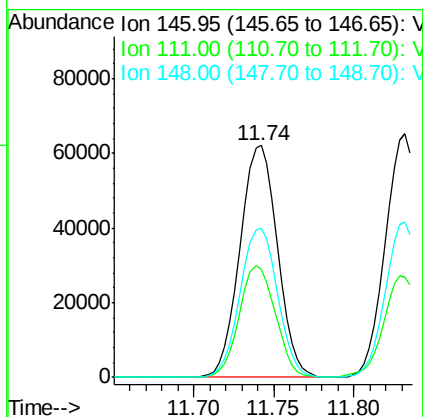
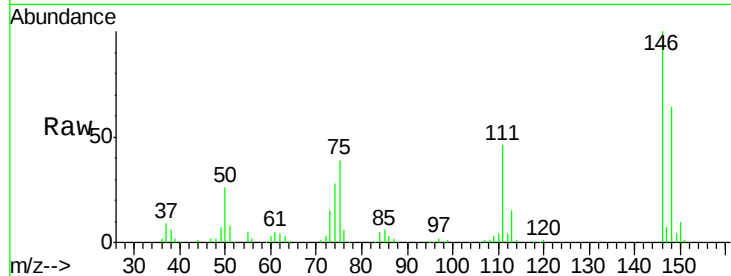




#62
 1,3-Dichlorobenzene
 Concen: 5.069 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

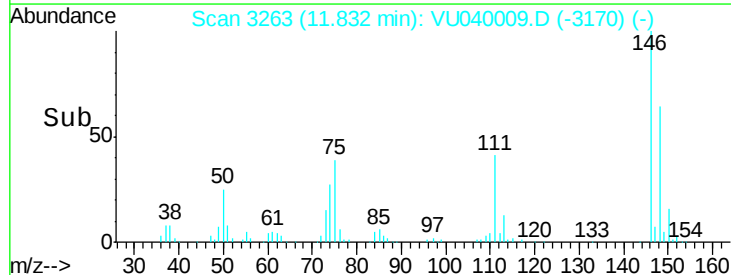
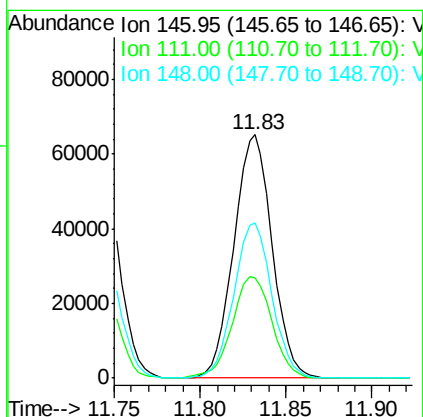
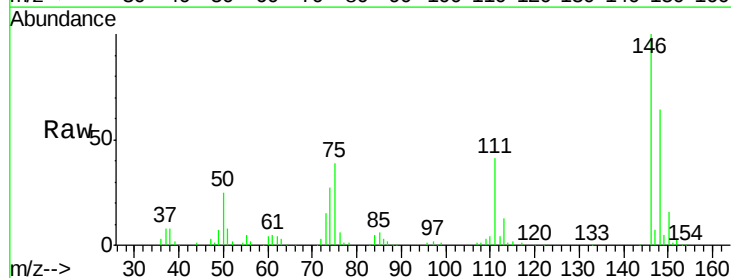
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

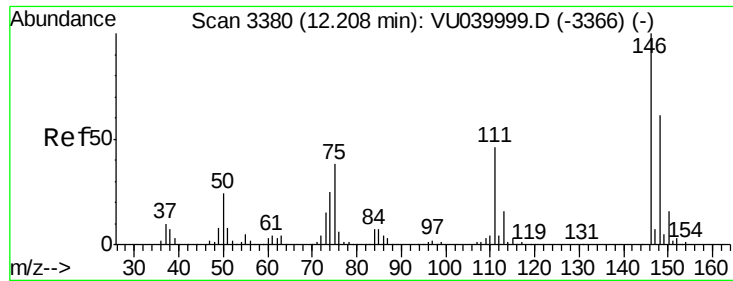
Tgt Ion:146 Resp: 99176
 Ion Ratio Lower Upper
 146 100
 111 46.5 31.6 58.8
 148 64.2 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.074 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Tgt Ion:146 Resp: 100458
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.5 56.7
 148 63.9 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 5.124 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

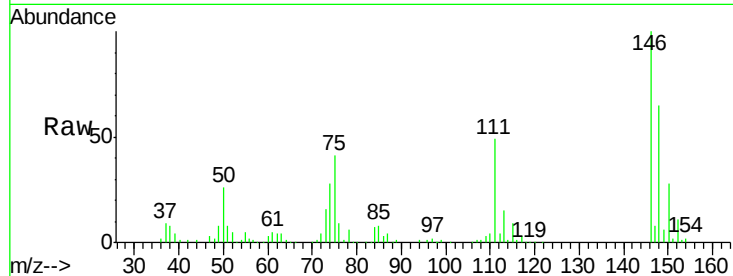
Tgt Ion:146 Resp: 97003

Ion Ratio Lower Upper

146 100

111 48.9 36.5 54.7

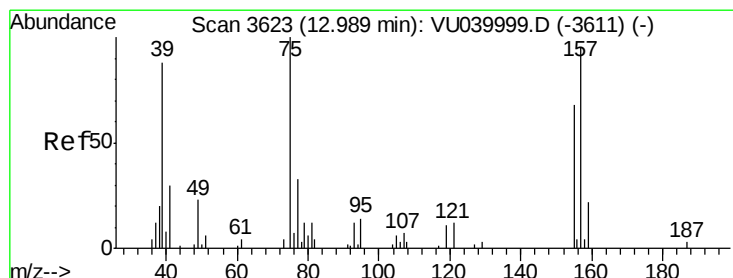
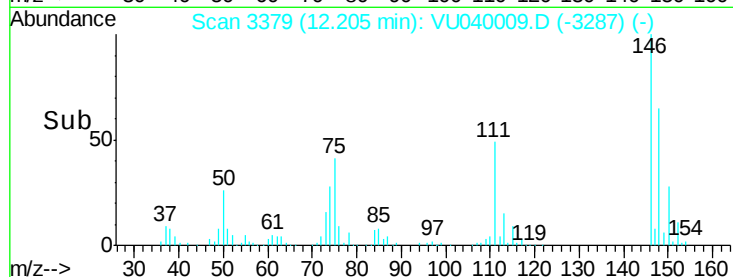
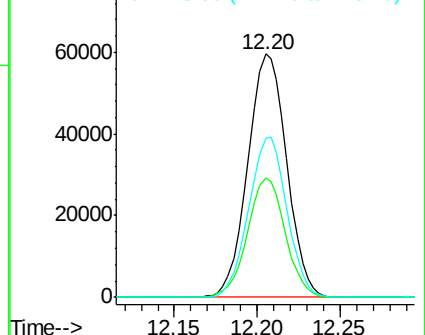
148 65.5 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.064 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

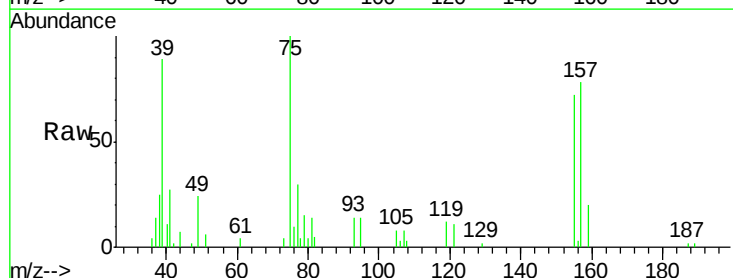
Tgt Ion: 75 Resp: 10253

Ion Ratio Lower Upper

75 100

155 72.4 54.6 82.0

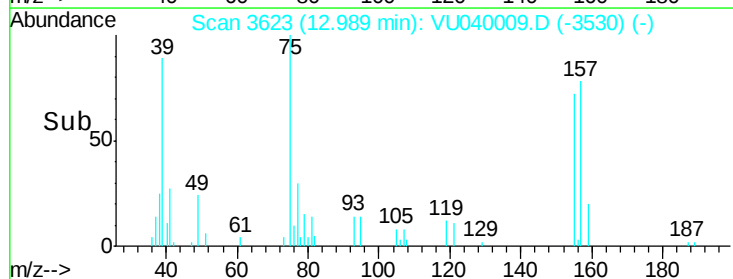
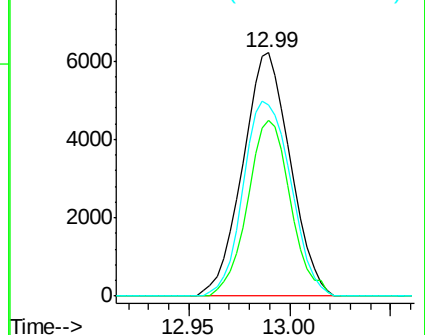
157 78.5 75.6 113.4

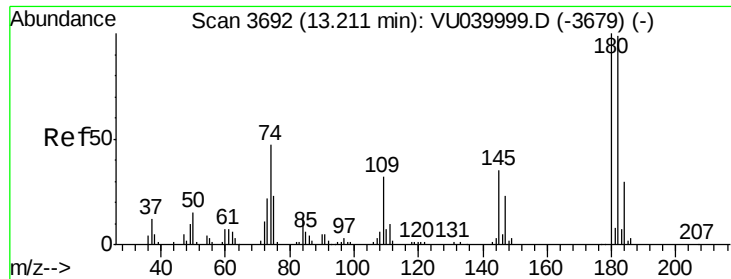


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

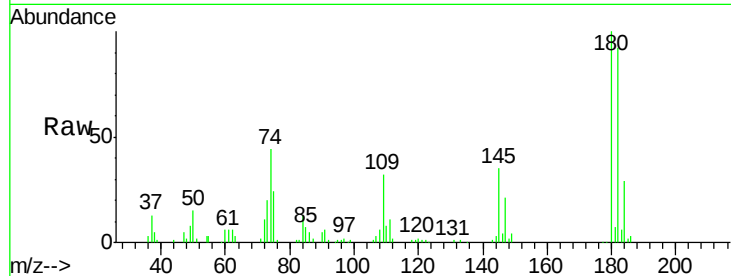




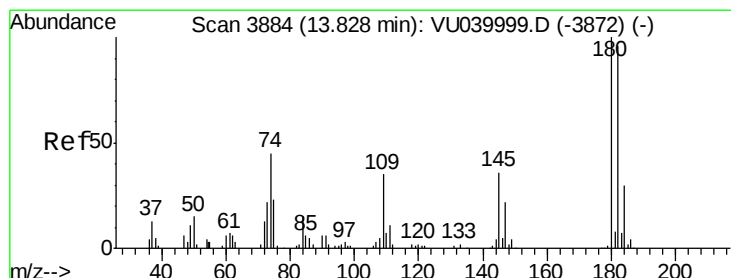
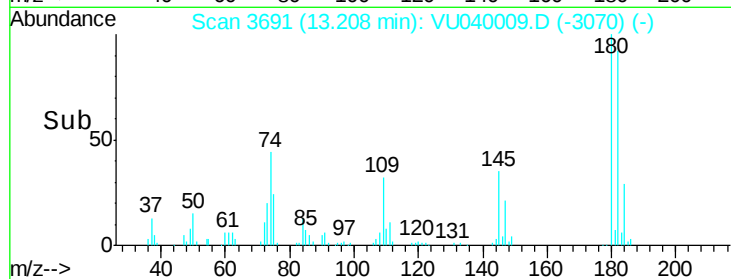
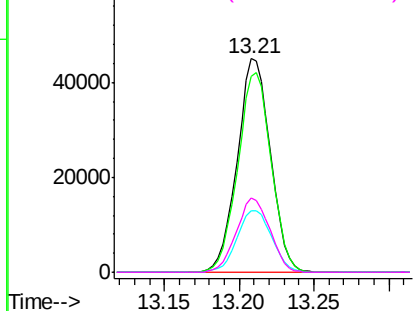
#67
 1,3,5-Trichlorobenzene
 Concen: 5.055 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion:180 Resp: 69542
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.9 115.3
 184 30.2 24.6 36.8
 145 34.9 27.0 40.6

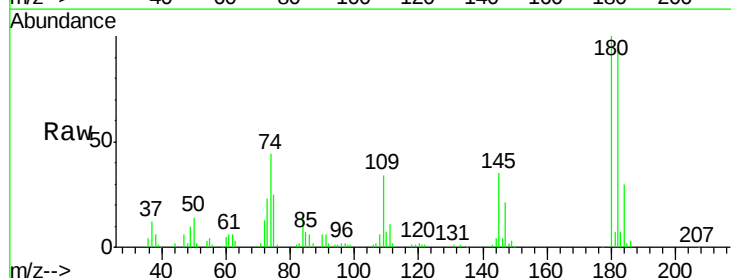


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

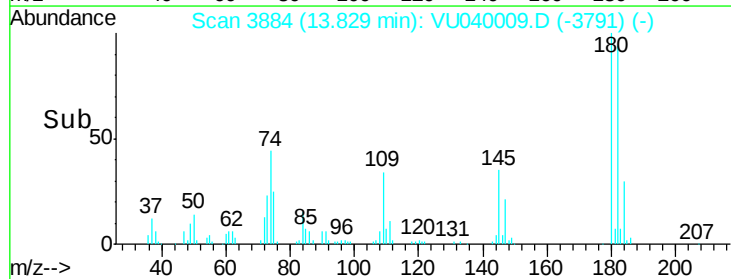
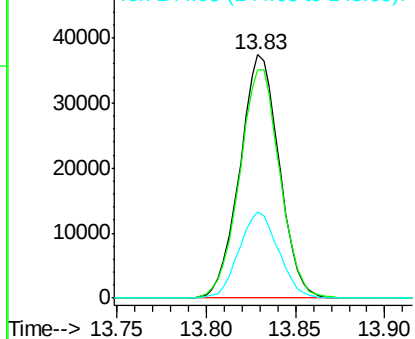


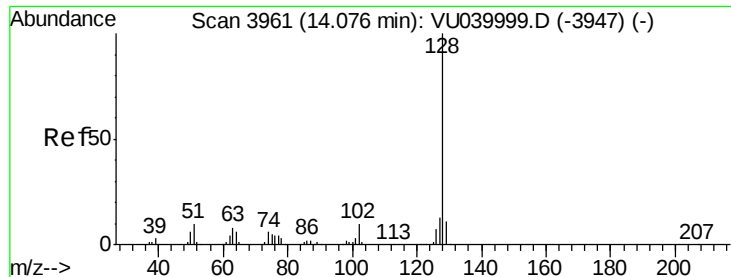
#68
 1,2,4-trichlorobenzene
 Concen: 4.881 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040009.D
 Acq: 01 Sep 2020 10:59

Tgt Ion:180 Resp: 57842
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.0 114.0
 145 35.3 28.4 42.6



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





#69

Naphthalene

Concen: 4.922 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

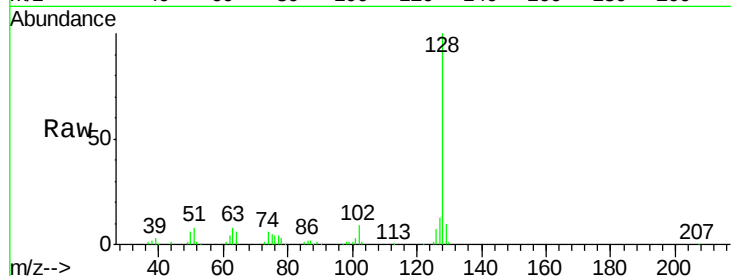
Tgt Ion:128 Resp: 121566

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

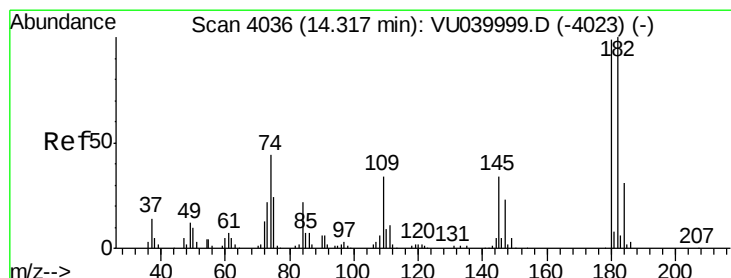
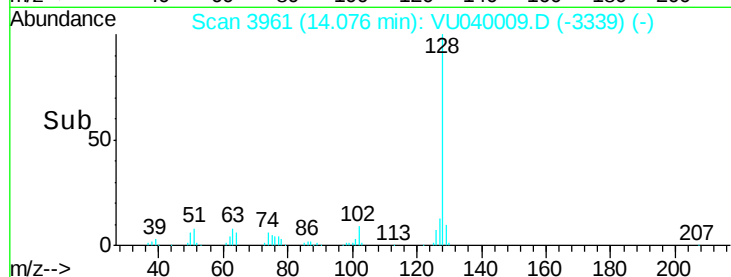
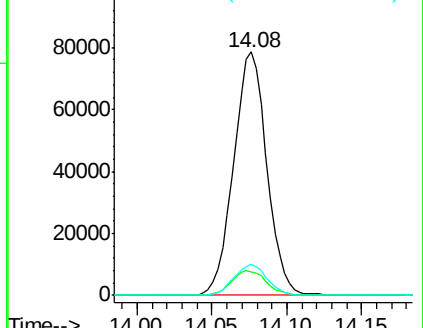
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.040 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040009.D

Acq: 01 Sep 2020 10:59

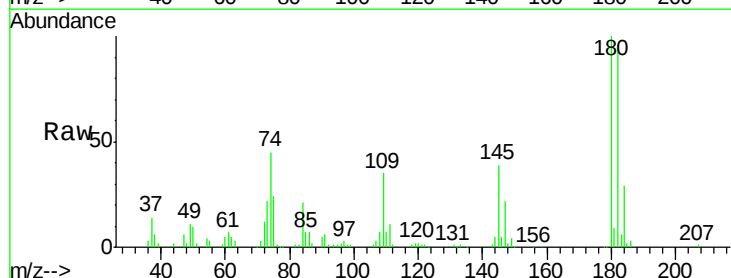
Tgt Ion:180 Resp: 54856

Ion Ratio Lower Upper

180 100

182 93.6 77.8 116.6

145 37.7 28.7 43.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

