

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039316.D
 Acq On : 07 Jul 2020 15:14
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Quant Time: Jul 08 01:32:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 15:01:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115617	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50737	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36690	5.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.60%
7) Chloroethane-d5	1.92	69	34356	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	70453	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	4.66	46	175321	57.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.36%
24) Chloroform-d	5.08	84	79845	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
26) 1,2-Dichloroethane-d4	5.72	65	48318	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	145188	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
36) 1,2-Dichloropropane-d6	6.70	67	49887	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.91	98	121339	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	8.19	79	22898	5.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	116.40%
46) 2-Hexanone-d5	8.64	63	136639	58.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.02%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49140	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50301	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	36578	5.220	ug/L 99
3) Chloromethane	1.53	50	43594	5.135	ug/L 98
5) Vinyl chloride	1.61	62	47975	5.089	ug/L 97
6) Bromomethane	1.87	94	22432	5.525	ug/L 96
8) Chloroethane	1.94	64	30671	4.503	ug/L 97
9) Trichlorofluoromethane	2.15	101	79740	4.871	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	33969	5.057	ug/L 99
12) 1,1-Dichloroethene	2.59	96	34075	4.956	ug/L 92
13) Acetone	2.66	43	83012	50.159	ug/L 99
14) Carbon disulfide	2.81	76	122095	5.040	ug/L 99
15) Methyl Acetate	2.97	43	21825	4.993	ug/L 97
16) Methylene chloride	3.06	84	42295	4.890	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	112189	5.178	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	38229	5.022	ug/L 98
19) 1,1-Dichloroethane	3.89	63	75421	5.064	ug/L 96
21) 2-Butanone	4.74	43	155369	52.598	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	42701	5.003	ug/L 91

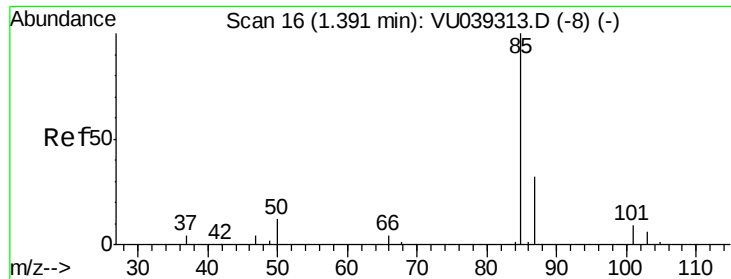
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039316.D
 Acq On : 07 Jul 2020 15:14
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Quant Time: Jul 08 01:32:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 15:01:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	20504	5.288	ug/L	96
25) Chloroform	5.11	83	76194	5.066	ug/L	98
27) 1,2-Dichloroethane	5.81	62	55925	5.140	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	63261	5.096	ug/L	98
30) Cyclohexane	5.40	56	67204	5.142	ug/L	98
31) Carbon tetrachloride	5.54	117	53239	5.027	ug/L	99
33) Benzene	5.79	78	165098	5.239	ug/L	100
34) Trichloroethene	6.56	95	42275	5.189	ug/L	95
35) Methylcyclohexane	6.77	83	65632	5.029	ug/L	99
37) 1,2-Dichloropropane	6.80	63	44565	5.188	ug/L	99
38) Bromodichloromethane	7.12	83	56927	5.190	ug/L	92
39) cis-1,3-Dichloropropene	7.62	75	67886	5.228	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	382032	53.313	ug/L	99
42) Toluene	7.98	91	173009	5.127	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	60195	5.225	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	33261	5.391	ug/L	94
47) Tetrachloroethene	8.56	164	29102	5.136	ug/L	97
48) 2-Hexanone	8.69	43	285939	54.118	ug/L	99
49) Dibromochloromethane	8.82	129	40429	5.410	ug/L	96
50) 1,2-Dibromoethane	8.93	107	32917	5.251	ug/L	99
51) Chlorobenzene	9.45	112	105314	5.108	ug/L	97
52) Ethylbenzene	9.57	91	187514	5.028	ug/L	99
53) m,p-Xylene	9.70	106	70577	5.023	ug/L	99
54) o-Xylene	10.10	106	67223	4.914	ug/L	99
55) Styrene	10.12	104	119531	5.022	ug/L	100
56) Isopropylbenzene	10.48	105	178056	4.813	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	43742	5.093	ug/L	95
59) 1,2,3-Trichloropropane	10.83	75	32938	5.203	ug/L	97
61) Bromoform	10.29	173	22472	5.255	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	82133	5.166	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	82758	5.189	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	80933	5.078	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	8718	6.192	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	62849	5.282	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	56938	5.592	ug/L	96
69) Naphthalene	14.08	128	121570	5.934	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	52796	5.596	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.220 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

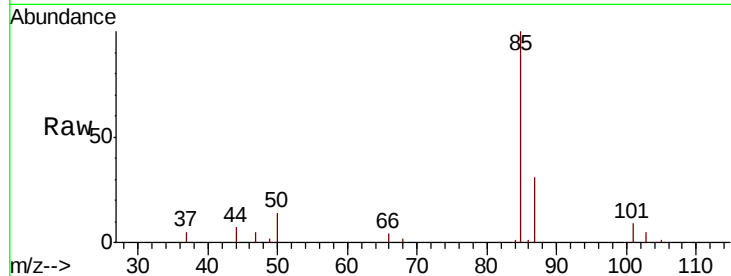
VICV04

Tot Ion: 85 Resp: 36578

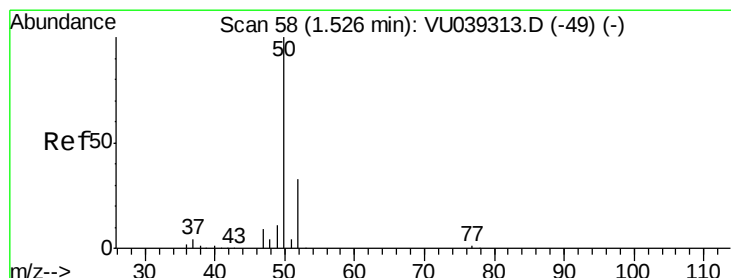
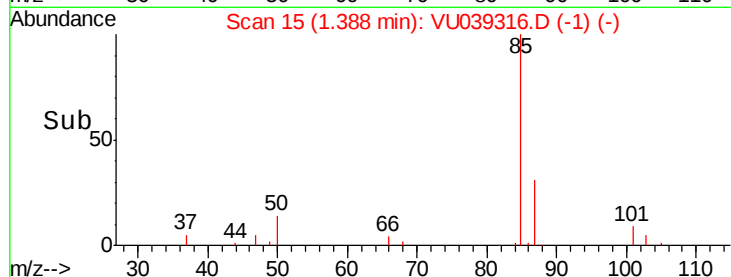
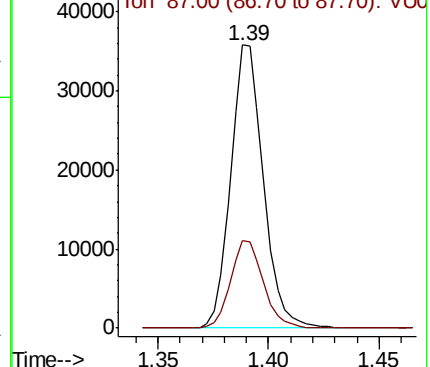
Ion Ratio Lower Upper

85 100

87 31.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039316.D (-8) (-)



#3

Chloromethane

Concen: 5.135 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039316.D

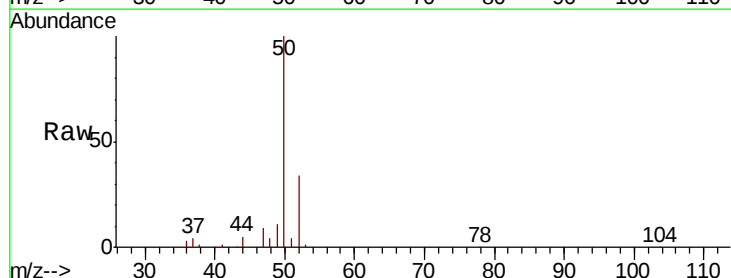
Acq: 07 Jul 2020 15:14

Tgt Ion: 50 Resp: 43594

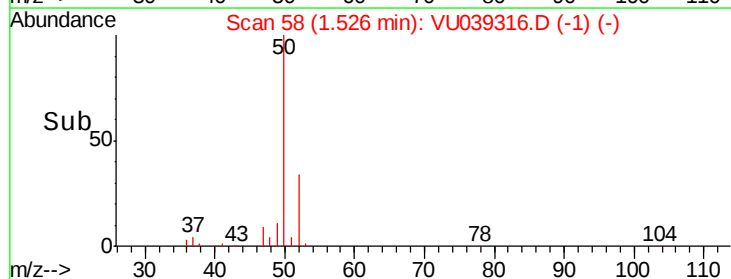
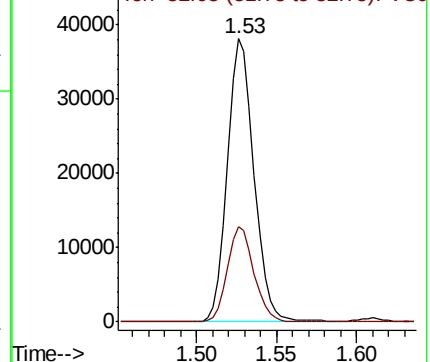
Ion Ratio Lower Upper

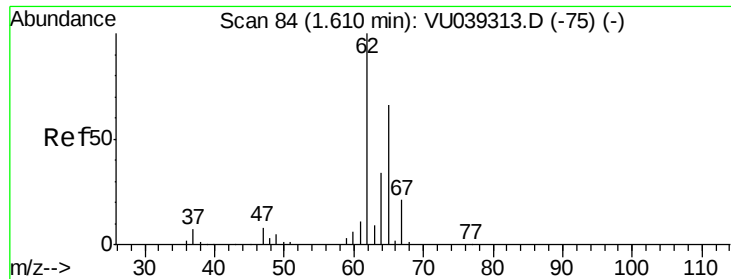
50 100

52 33.8 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039316.D (-49) (-)





#5

Vinyl chloride

Concen: 5.089 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

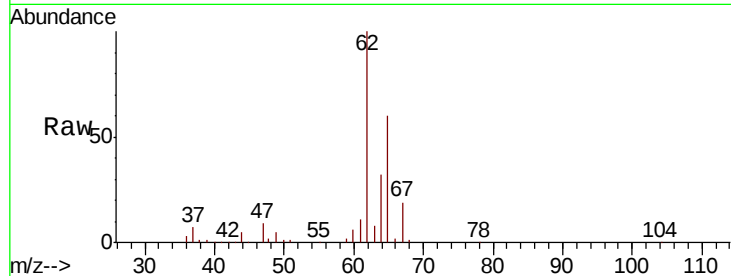
VICV04

Tot Ion: 62 Resp: 47975

Ion Ratio Lower Upper

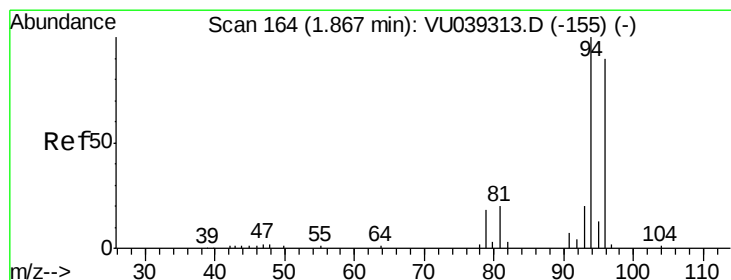
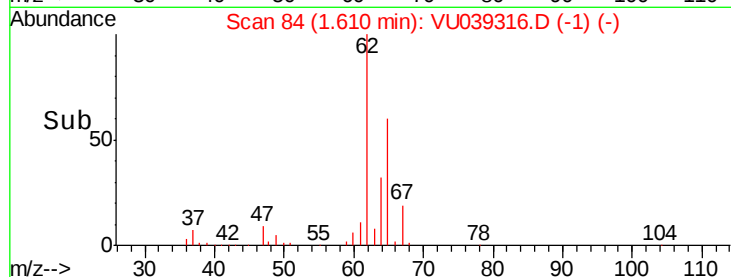
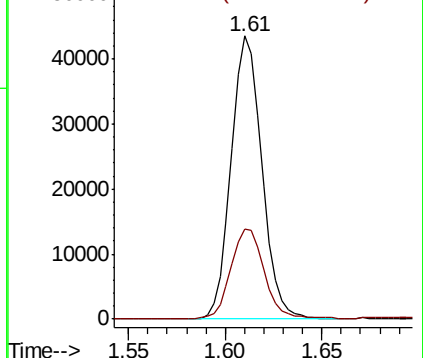
62 100

64 32.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.525 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039316.D

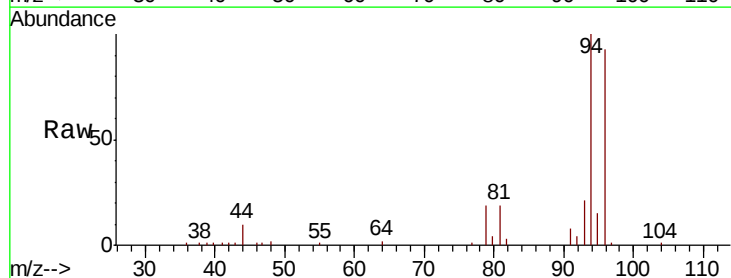
Acq: 07 Jul 2020 15:14

Tgt Ion: 94 Resp: 22432

Ion Ratio Lower Upper

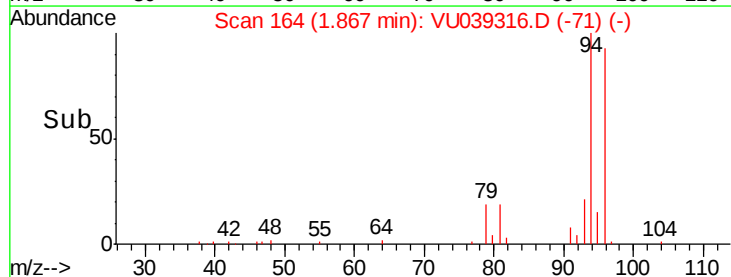
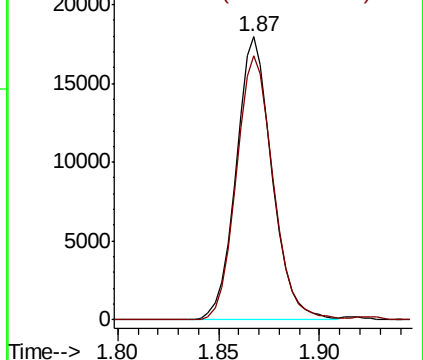
94 100

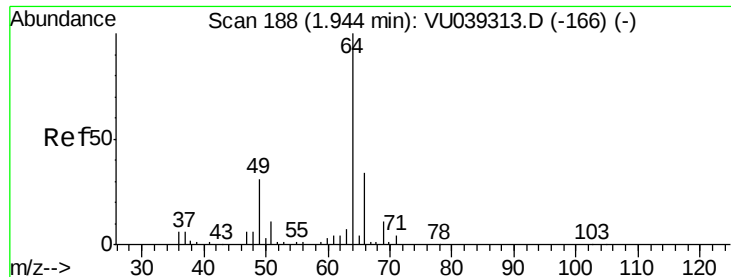
96 93.1 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

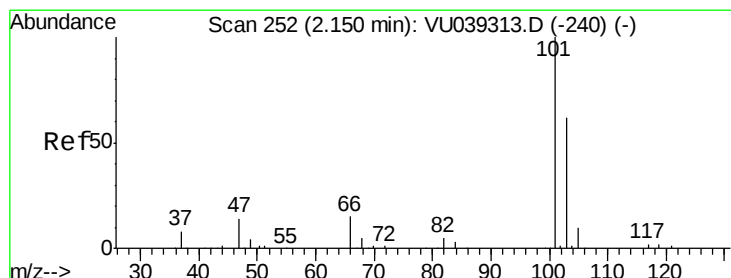
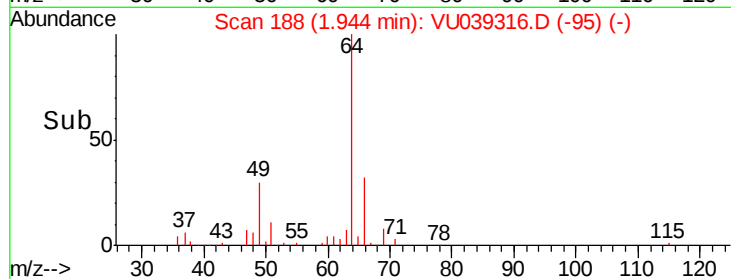
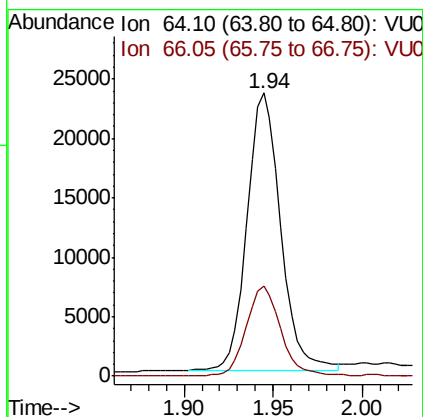
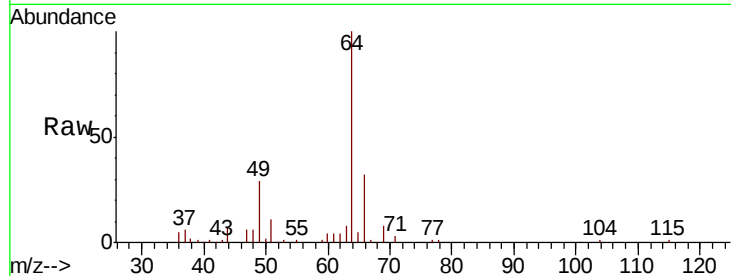




#8
Chloroethane
Concen: 4.503 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

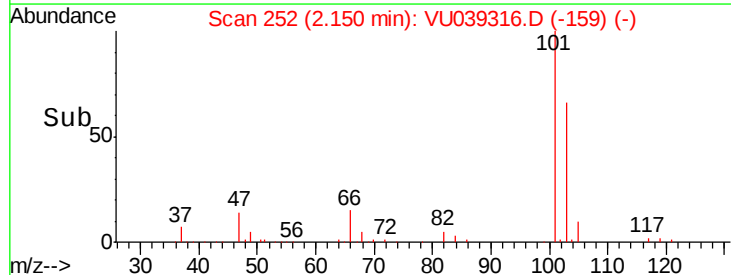
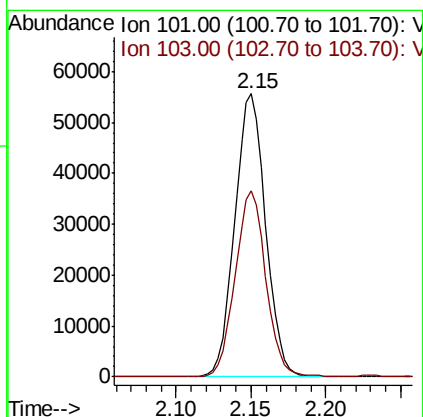
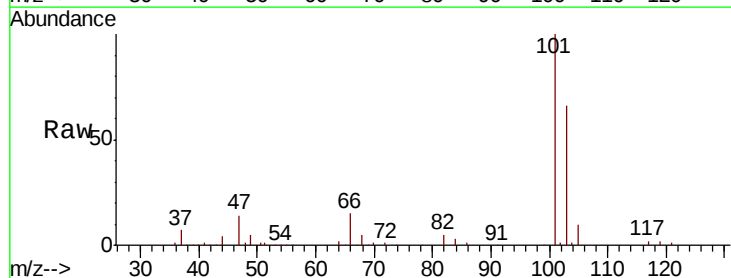
Instrument :
MSVOA_U
ClientSampleId :
VICV04

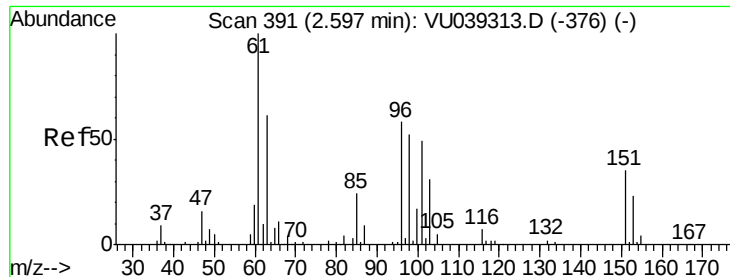
Tot Ion: 64 Resp: 30671
Ion Ratio Lower Upper
64 100
66 31.8 23.5 43.7



#9
Trichlorofluoromethane
Concen: 4.871 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Tgt Ion:101 Resp: 79740
Ion Ratio Lower Upper
101 100
103 65.8 50.6 76.0





#10

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

Concen: 5.057 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

VICV04

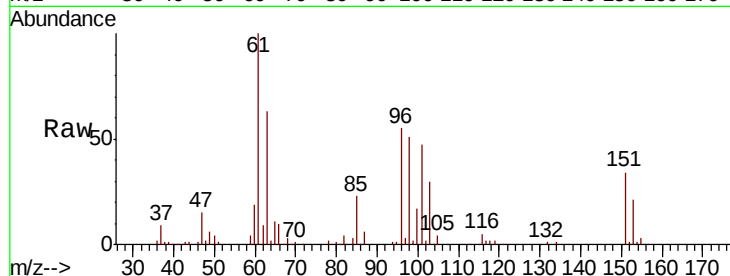
Tot Ion:101 Resp: 33969

Ion Ratio Lower Upper

101 100

85 47.2 38.9 58.3

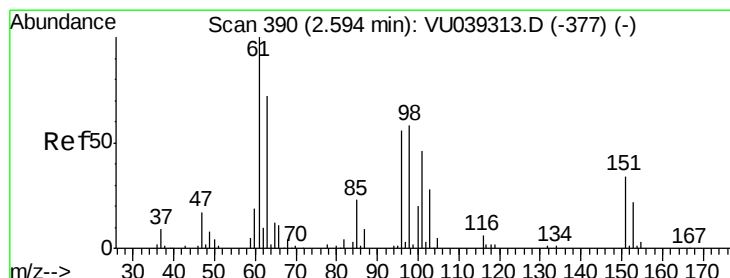
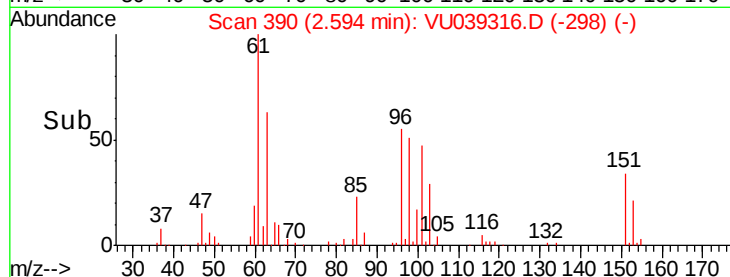
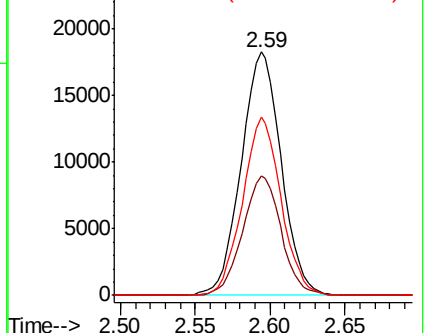
151 70.3 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.956 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

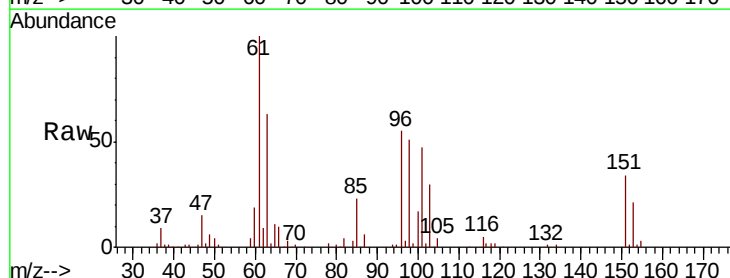
Tgt Ion: 96 Resp: 34075

Ion Ratio Lower Upper

96 100

61 183.0 125.4 232.8

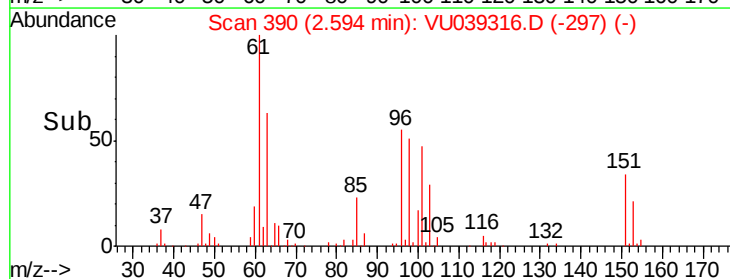
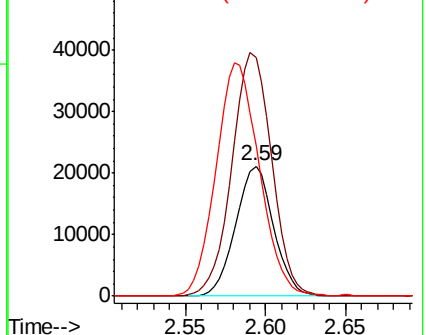
63 115.2 92.7 172.3

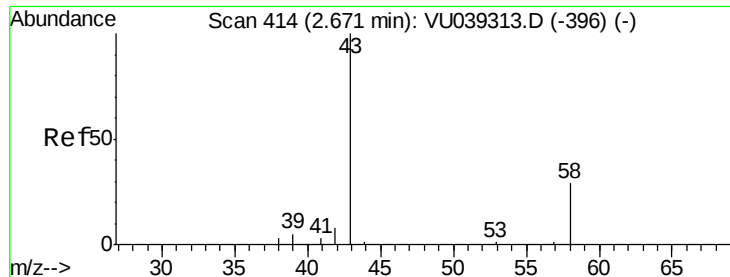


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.159 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampled :

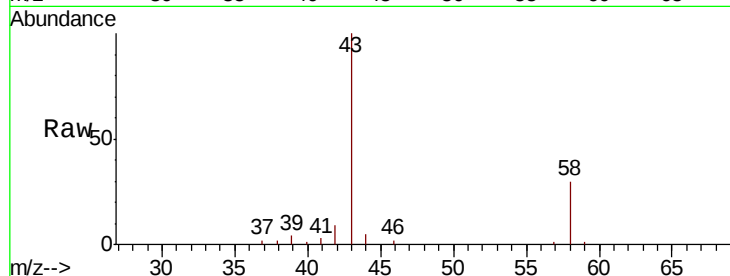
VICV04

Tot Ion: 43 Resp: 83012

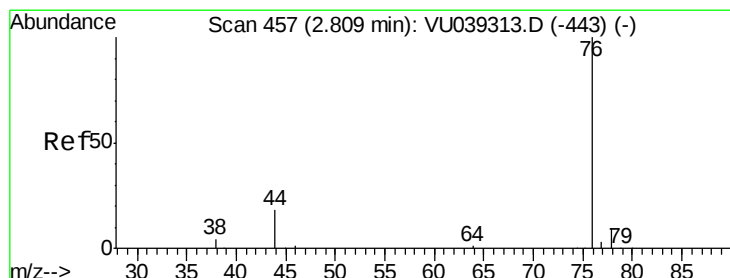
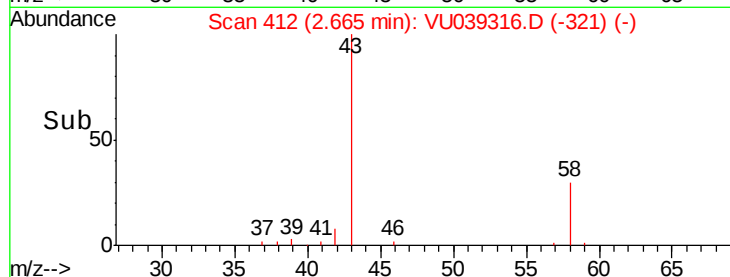
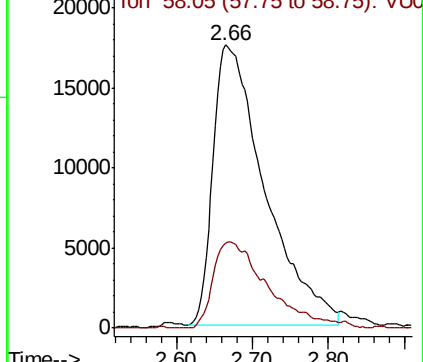
Ion Ratio Lower Upper

43 100

58 32.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039316.D (-321) (-)



#14

Carbon disulfide

Concen: 5.040 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039316.D

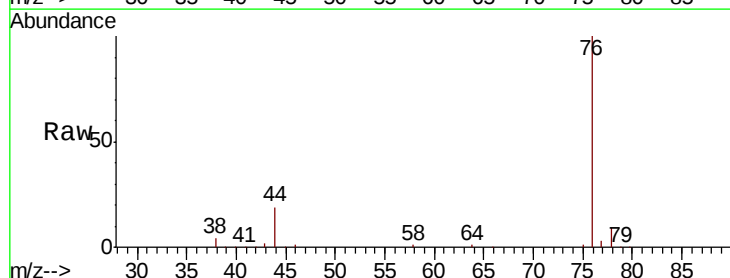
Acq: 07 Jul 2020 15:14

Tgt Ion: 76 Resp: 122095

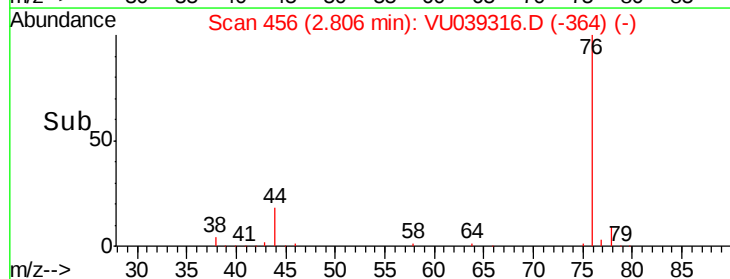
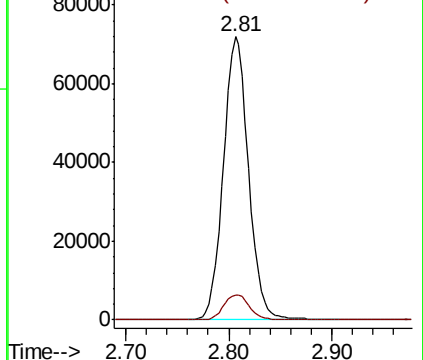
Ion Ratio Lower Upper

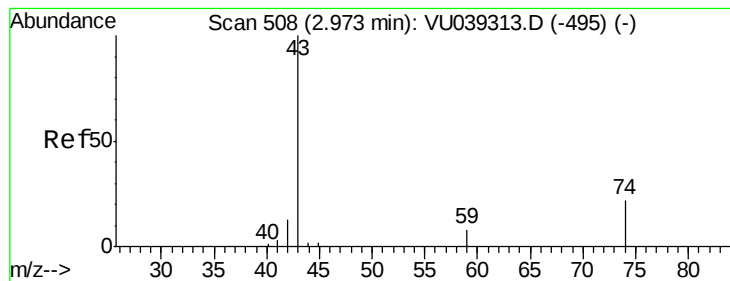
76 100

78 9.0 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039316.D (-364) (-)





#15

Methvl Acetate

Concen: 4.993 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

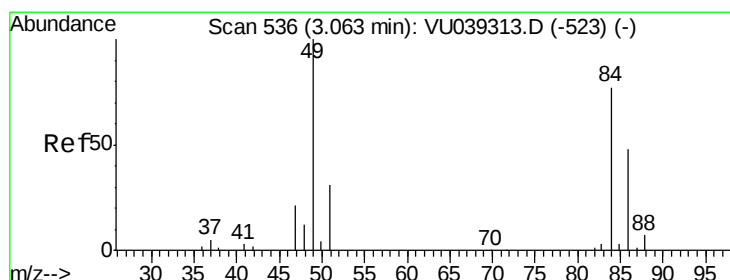
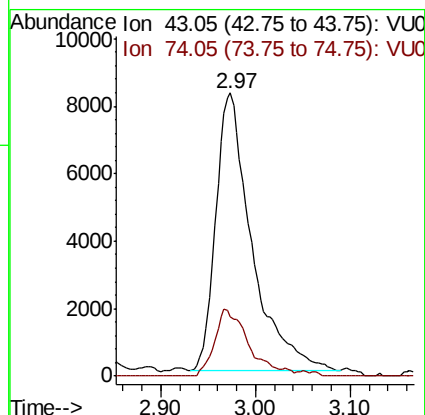
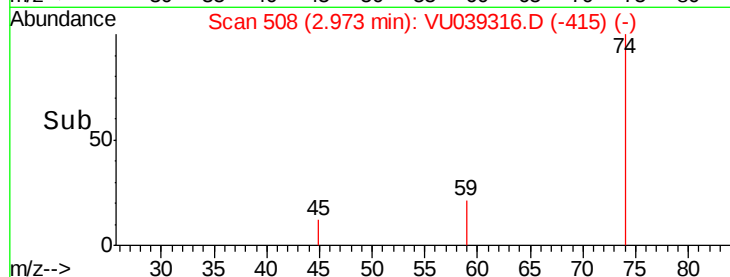
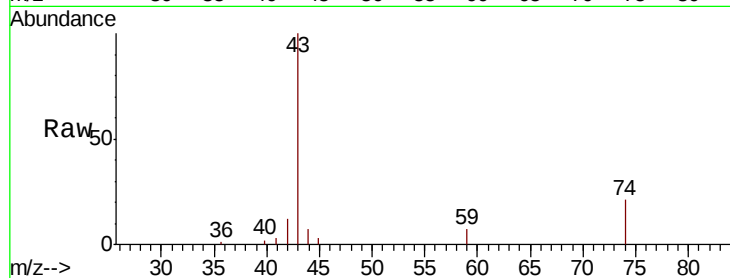
VICV04

Tot Ion: 43 Resp: 21825

Ion Ratio Lower Upper

43 100

74 22.1 18.7 28.1



#16

Methylene chloride

Concen: 4.890 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

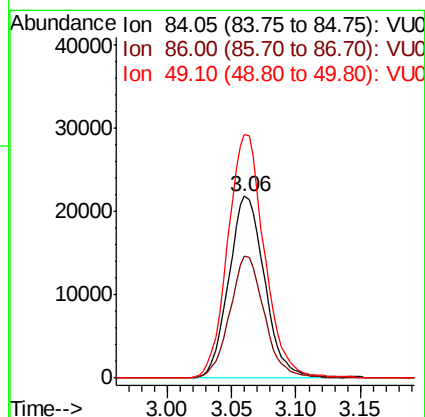
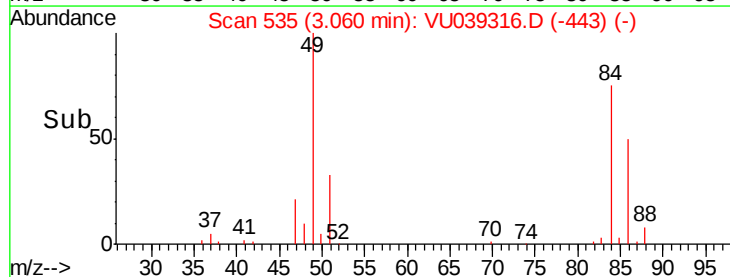
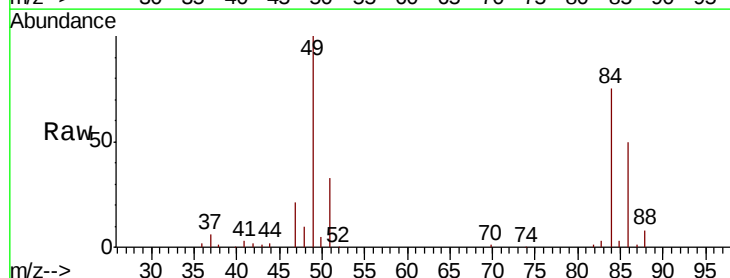
Tgt Ion: 84 Resp: 42295

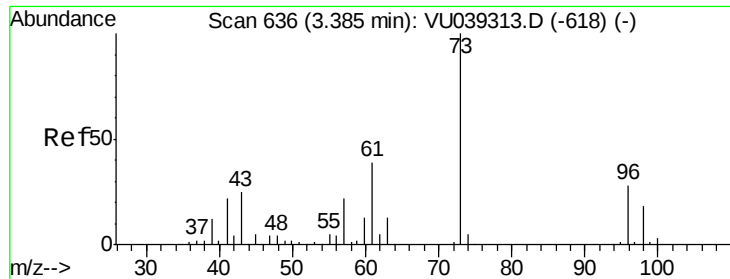
Ion Ratio Lower Upper

84 100

86 67.2 43.5 80.9

49 134.0 91.1 169.1

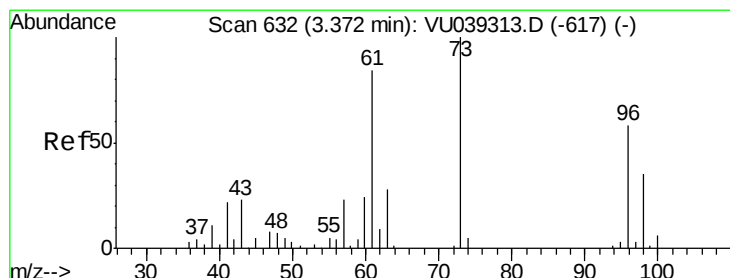
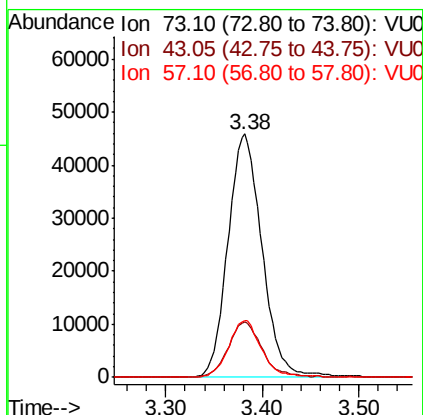
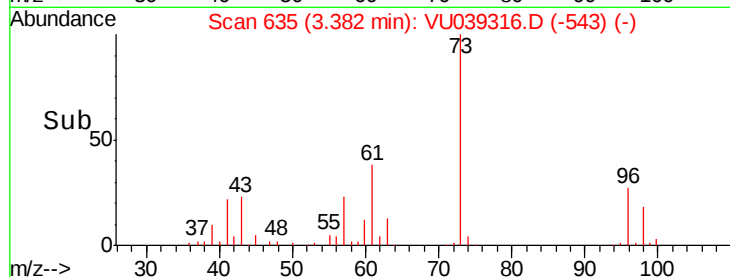
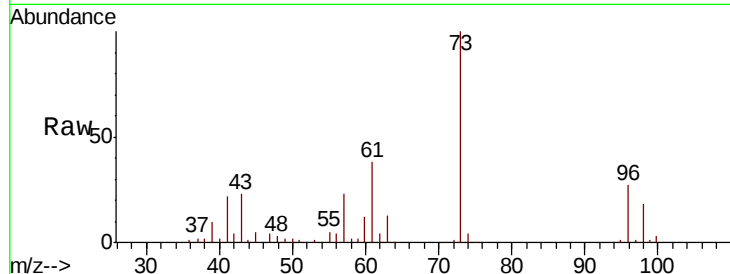




#17
Methvl tert-butvl Ether
Concen: 5.178 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

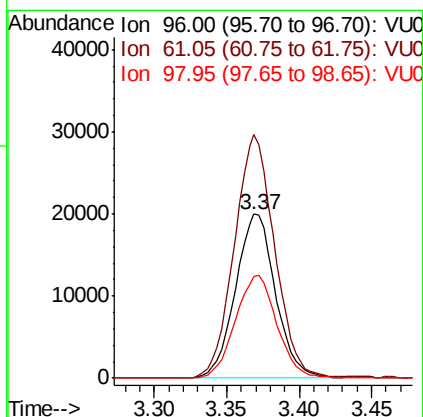
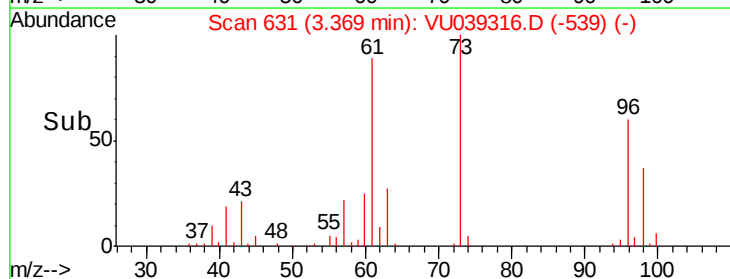
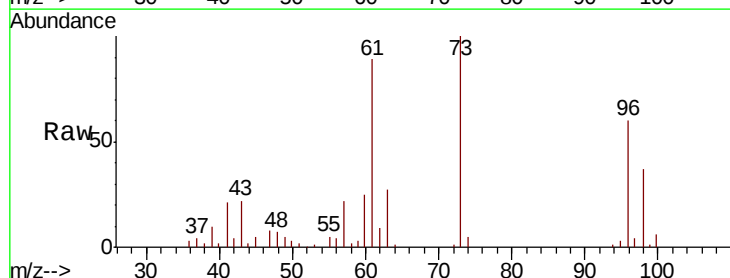
Instrument :
MSVOA_U
ClientSampleId :
VICV04

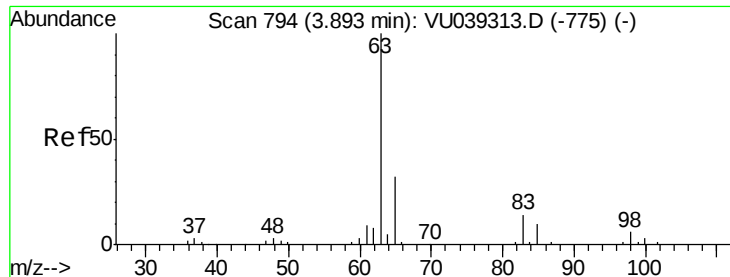
Tot Ion: 73 Resp: 112189
Ion Ratio Lower Upper
73 100
43 22.7 18.6 28.0
57 22.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.022 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Tgt Ion: 96 Resp: 38229
Ion Ratio Lower Upper
96 100
61 148.4 102.1 189.5
98 61.9 42.5 78.9

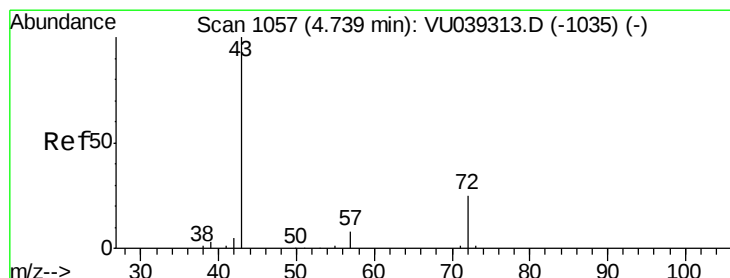
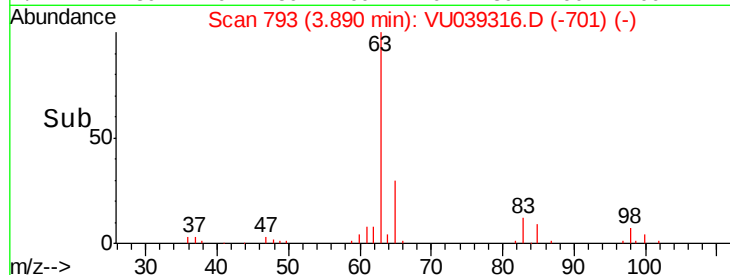
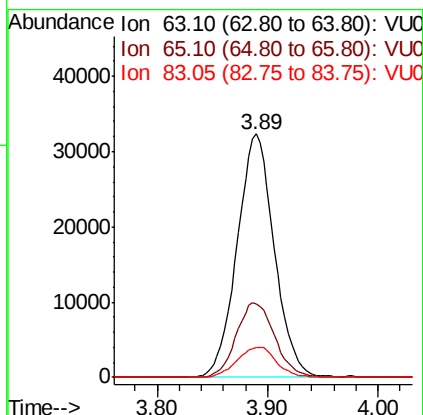
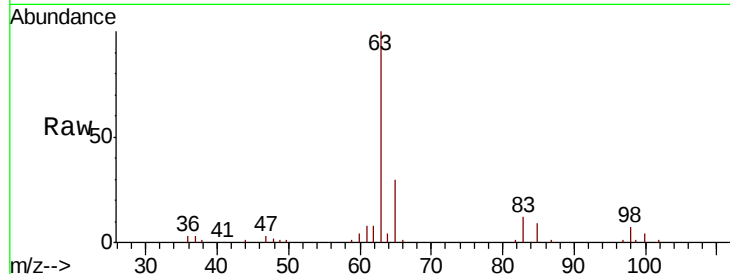




#19
 1,1-Dichloroethane
 Concen: 5.064 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

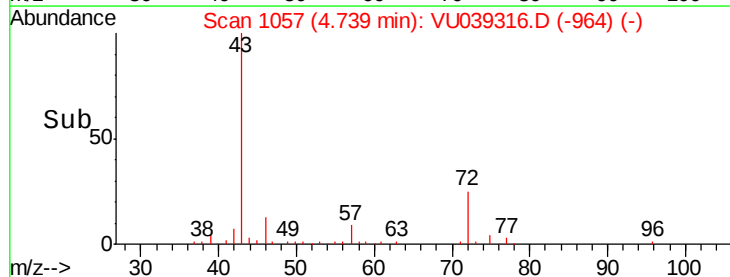
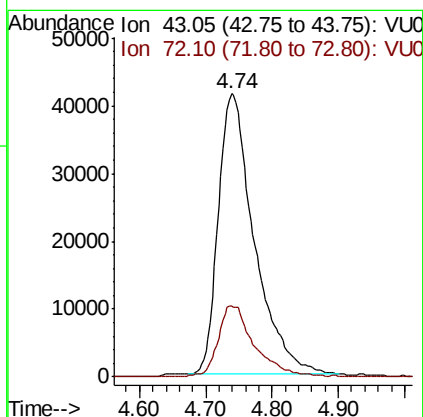
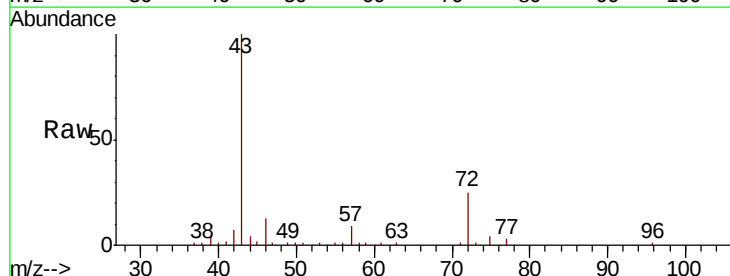
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

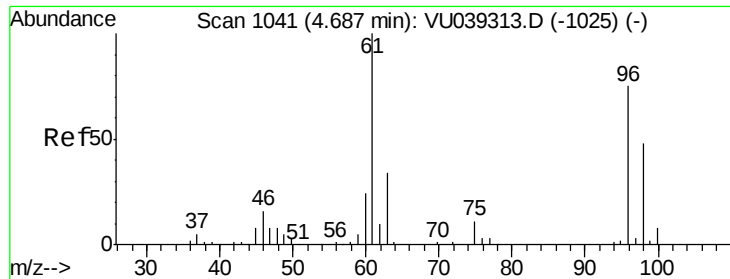
Tot Ion: 63 Resp: 75421
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.0 42.6
 83 12.3 9.6 17.8



#21
 2-Butanone
 Concen: 52.598 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion: 43 Resp: 155369
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.2 39.5

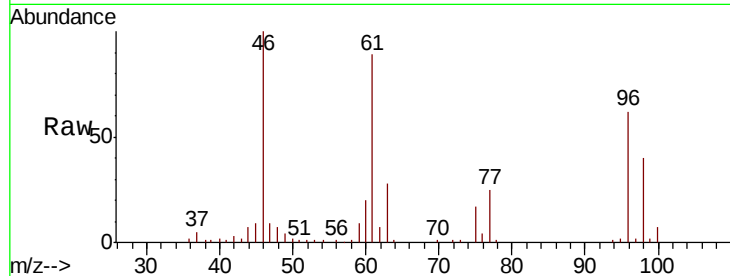




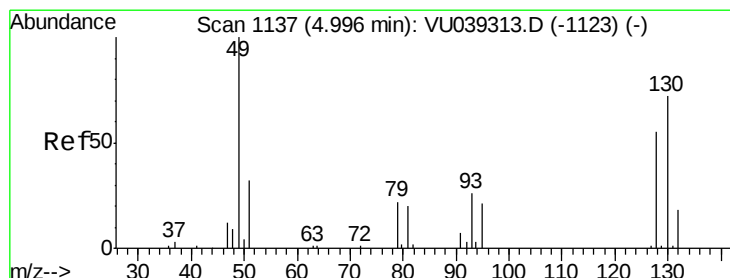
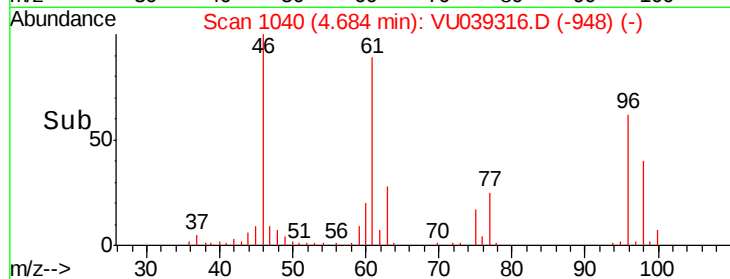
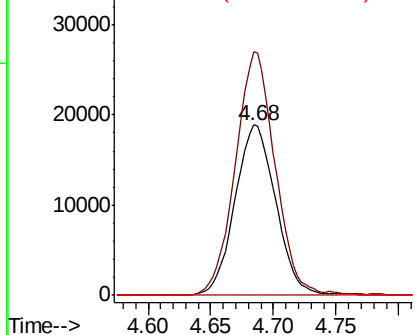
#22
 cis-1,2-Dichloroethene
 Concen: 5.003 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Tot Ion: 96 Resp: 42701
 Ion Ratio Lower Upper
 96 100
 61 143.0 92.8 172.4
 68 0.0 0.0 0.0

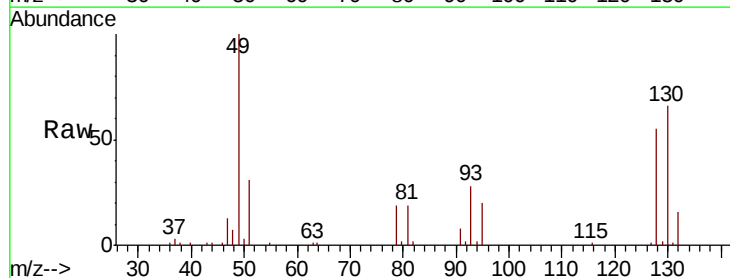


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

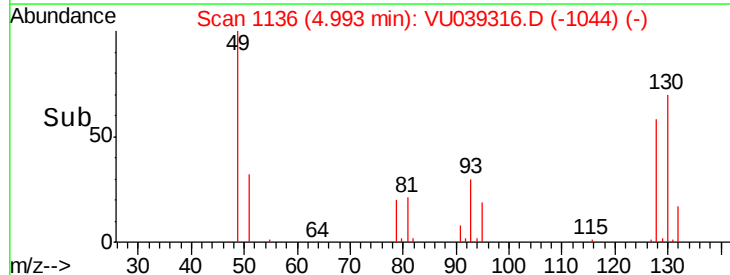
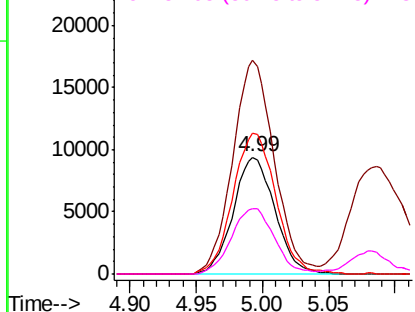


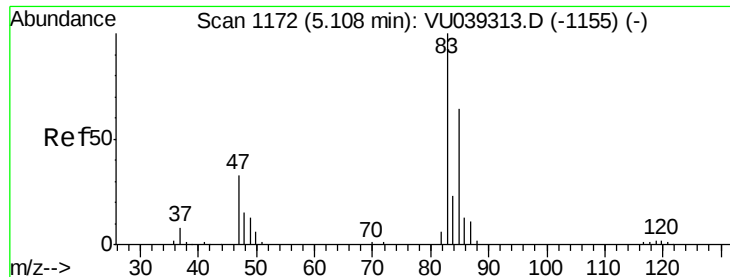
#23
 Bromochloromethane
 Concen: 5.288 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion: 128 Resp: 20504
 Ion Ratio Lower Upper
 128 100
 49 183.1 128.5 238.7
 130 120.5 91.5 169.9
 51 56.4 47.0 70.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

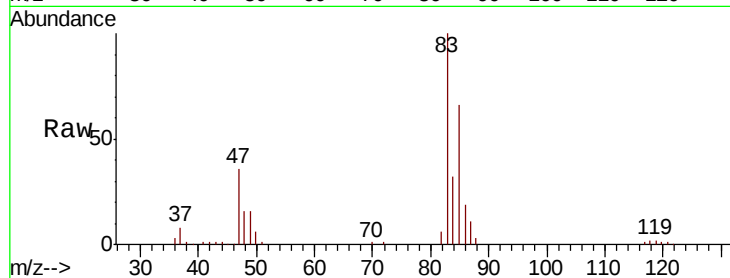




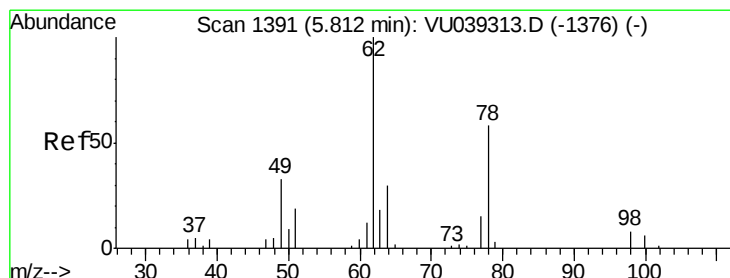
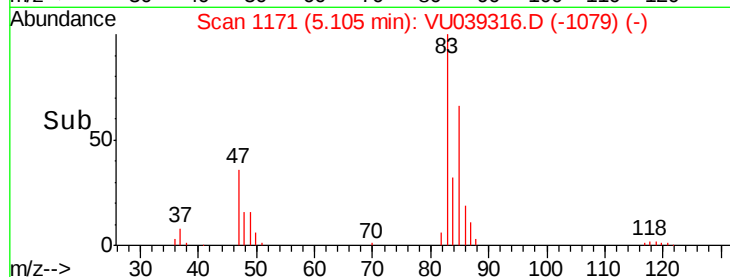
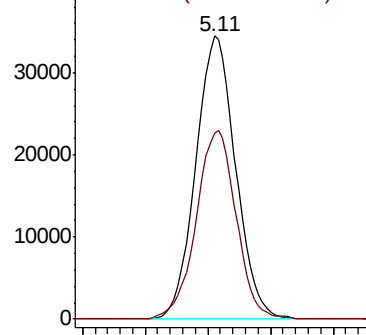
#25
Chloroform
Concen: 5.066 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Tot Ion: 83 Resp: 76194
Ion Ratio Lower Upper
83 100
85 65.5 44.9 83.5

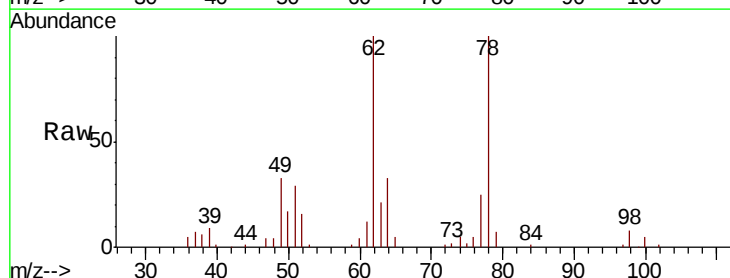


Abundance Ion 83.05 (82.75 to 83.75): VU039316.D (-1171) (-)
Ion 85.00 (84.70 to 85.70): VU039316.D (-1171) (-)

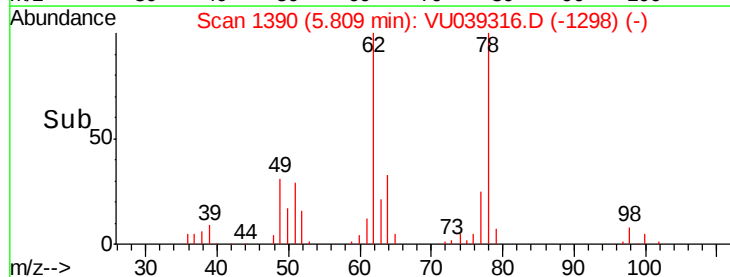
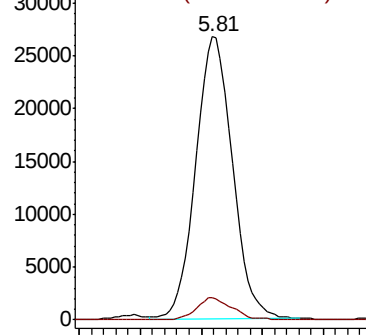


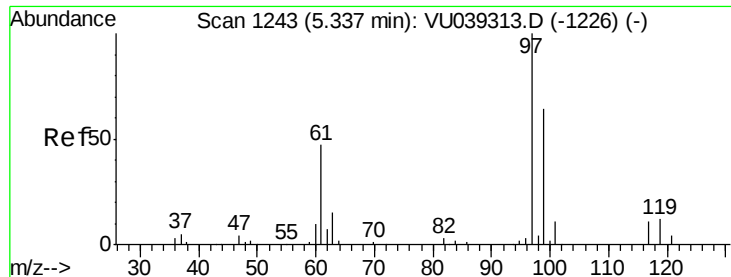
#27
1,2-Dichloroethane
Concen: 5.140 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Tgt Ion: 62 Resp: 55925
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VU039316.D (-1390) (-)
Ion 98.05 (97.75 to 98.75): VU039316.D (-1390) (-)

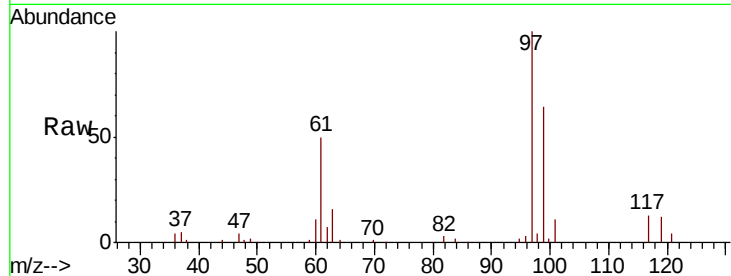




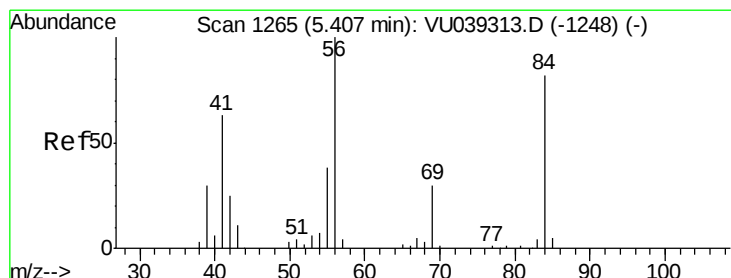
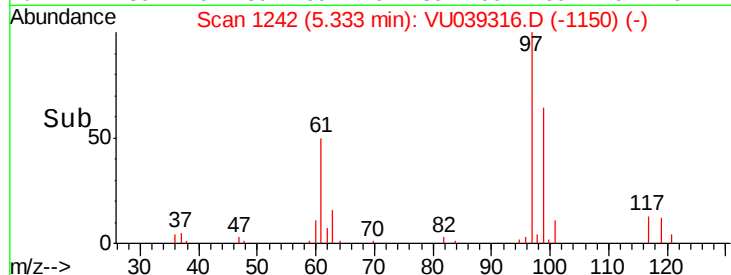
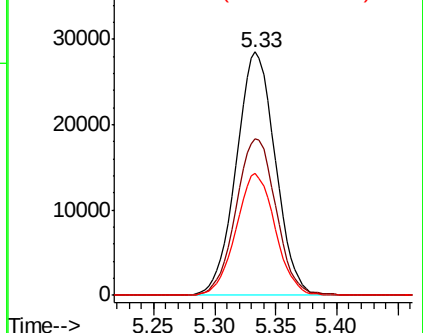
#29
 1,1,1-Trichloroethane
 Concen: 5.096 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Instrument :
 MSVOA_U
 ClientSampled :
 VICV04

Tot Ion: 97 Resp: 63261
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.6 79.0
 61 50.0 37.9 56.9

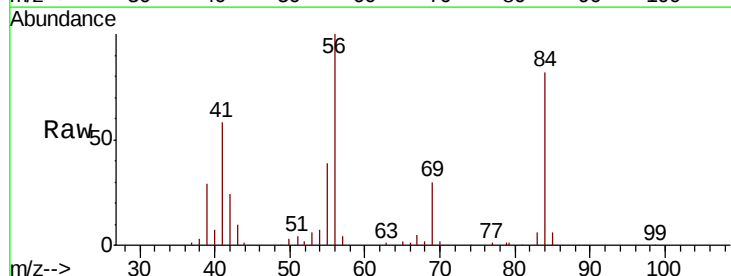


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

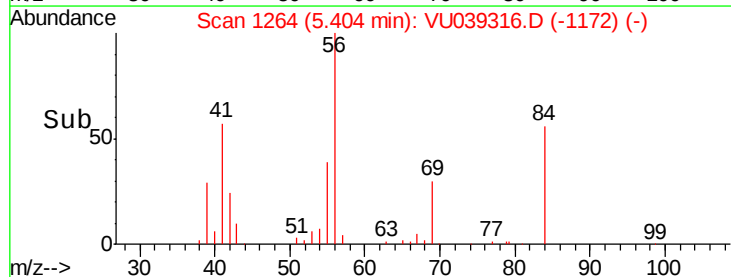
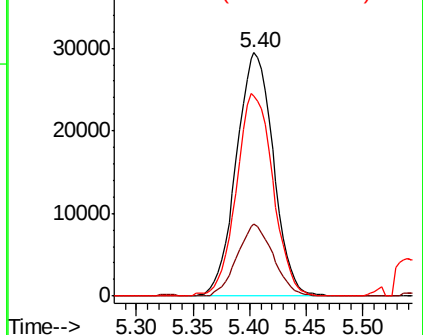


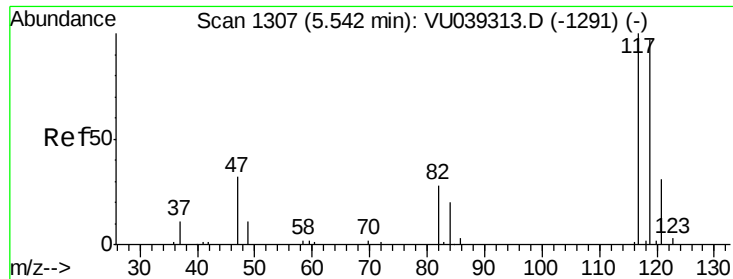
#30
 Cyclohexane
 Concen: 5.142 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion: 56 Resp: 67204
 Ion Ratio Lower Upper
 56 100
 69 28.8 24.1 36.1
 84 82.1 67.0 100.6



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: 5.027 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

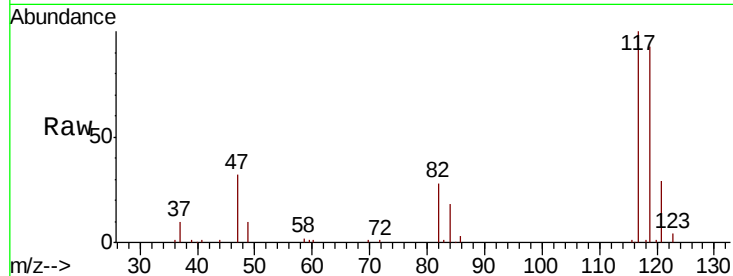
VICV04

Tot Ion:117 Resp: 53239

Ion Ratio Lower Upper

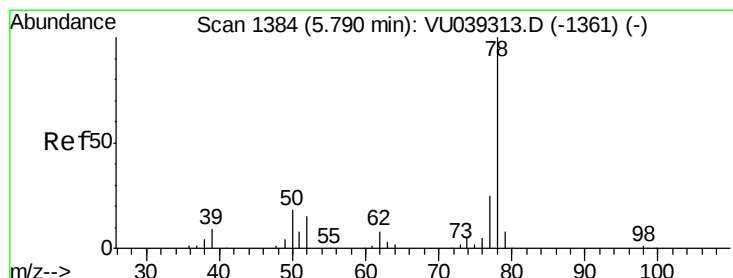
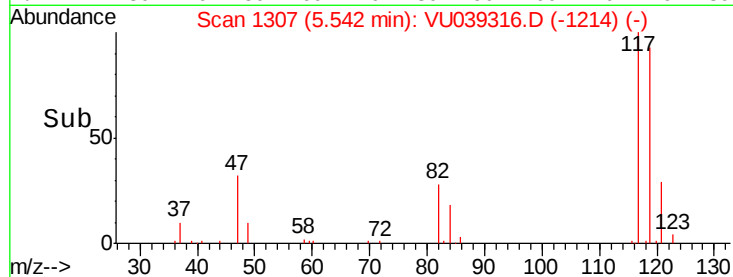
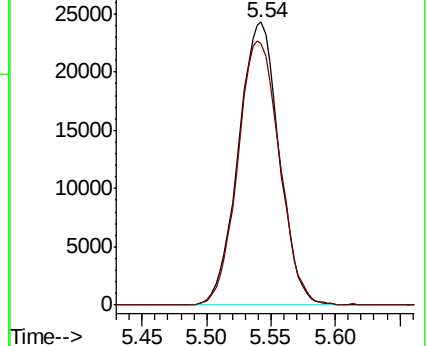
117 100

119 95.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.239 ug/L

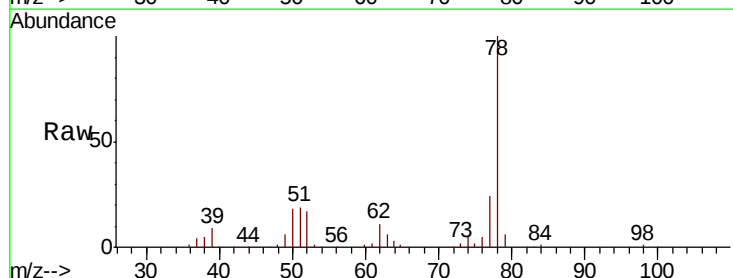
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

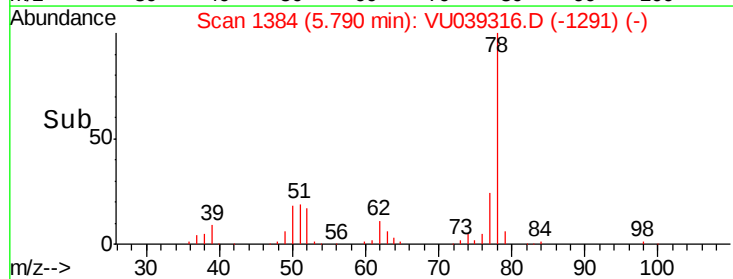
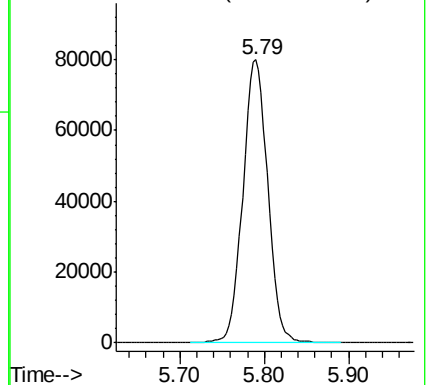
Lab File: VU039316.D

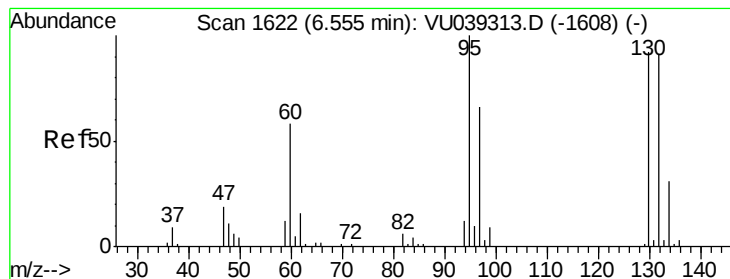
Acq: 07 Jul 2020 15:14

Tgt Ion: 78 Resp: 165098



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.189 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

VICV04

Tot Ion: 95 Resp: 42275

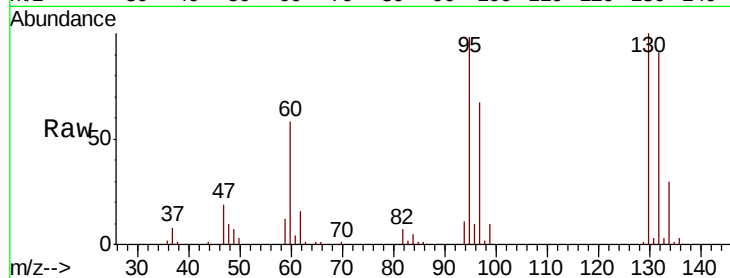
Ion Ratio Lower Upper

95 100

97 68.2 46.3 85.9

132 93.3 64.0 118.8

130 102.0 64.3 119.5

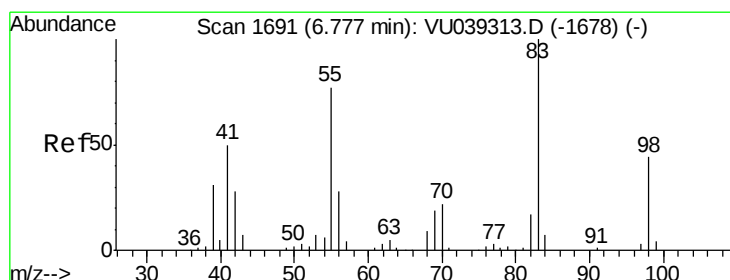
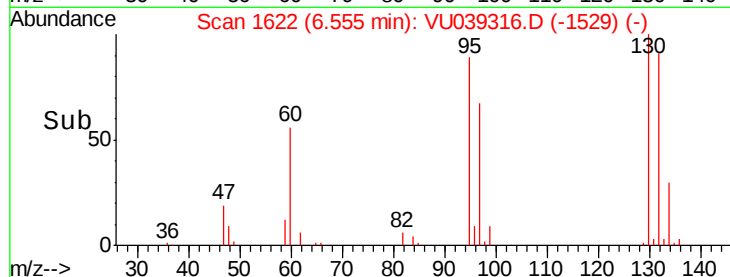
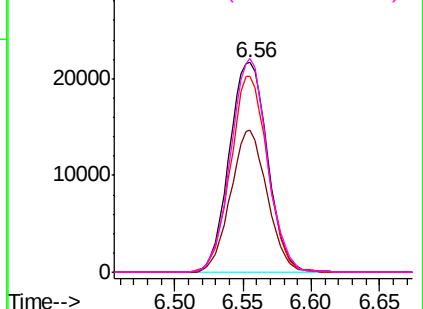


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.029 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

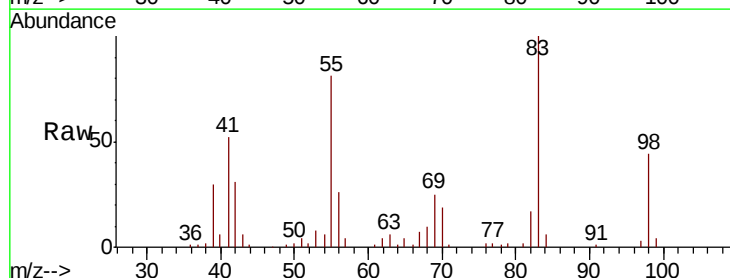
Tgt Ion: 83 Resp: 65632

Ion Ratio Lower Upper

83 100

55 78.8 62.1 93.1

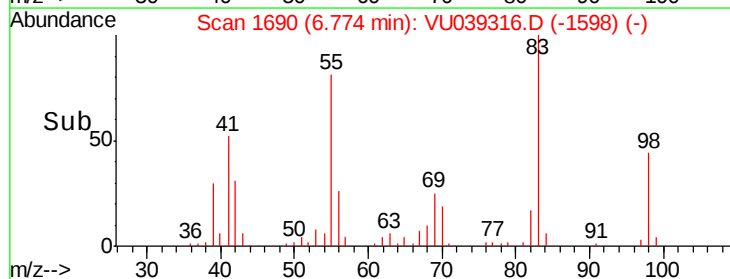
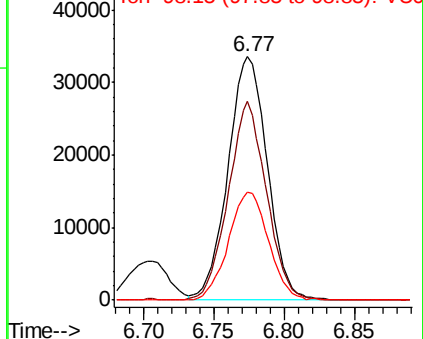
98 44.9 35.9 53.9

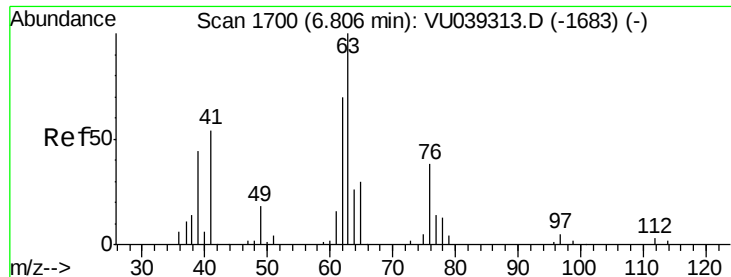


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

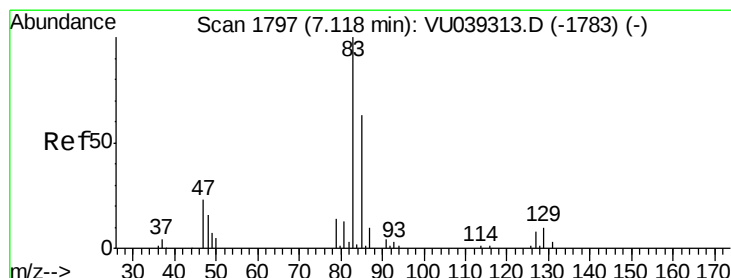
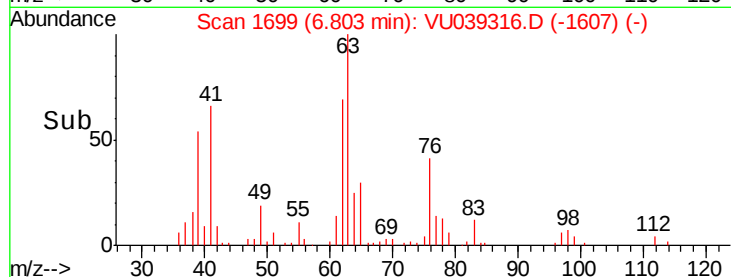
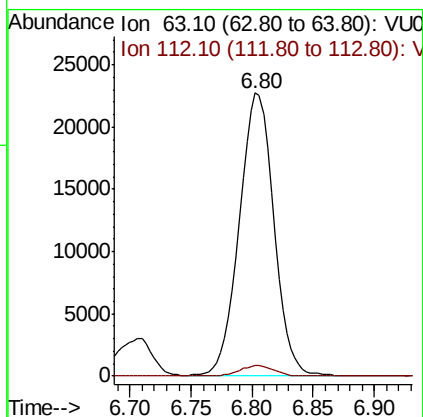
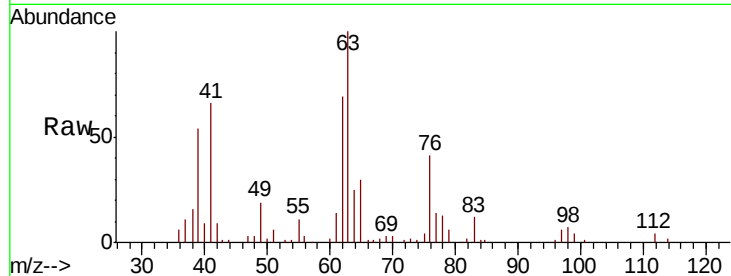




#37
 1,2-Dichloropropane
 Concen: 5.188 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

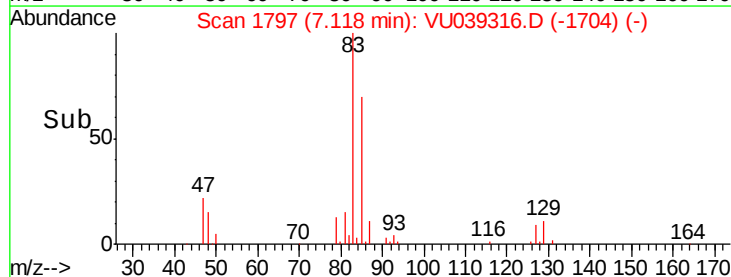
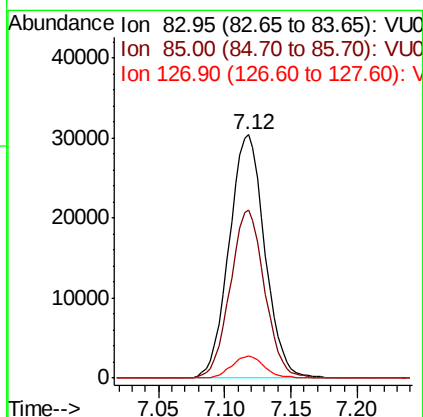
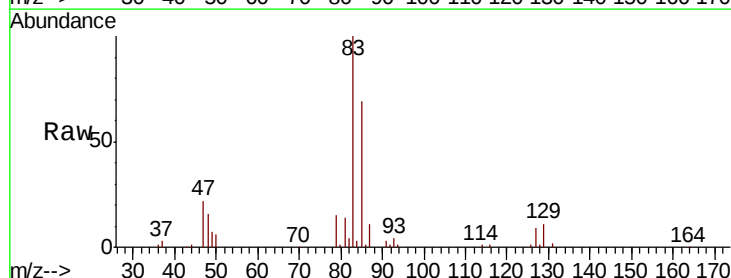
Instrument :
 MSVOA_U
 ClientSampled :
 VICV04

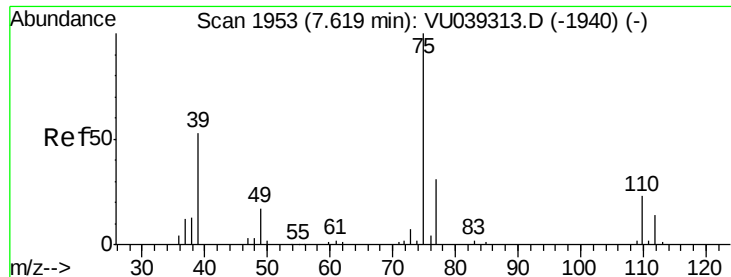
Tot Ion: 63 Resp: 44565
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.190 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion: 83 Resp: 56927
 Ion Ratio Lower Upper
 83 100
 85 69.1 44.0 81.6
 127 8.9 6.2 9.4



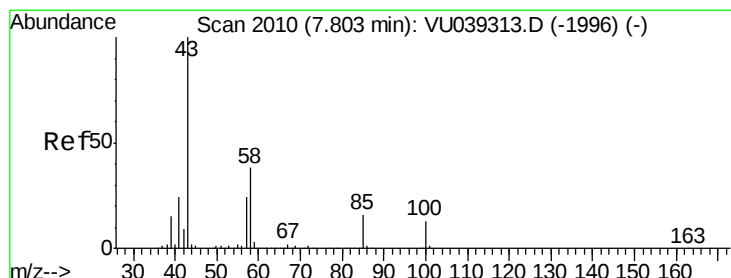
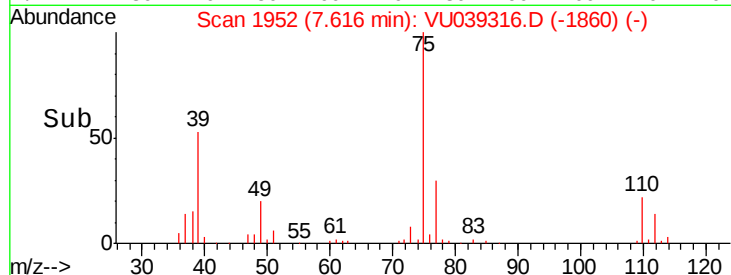
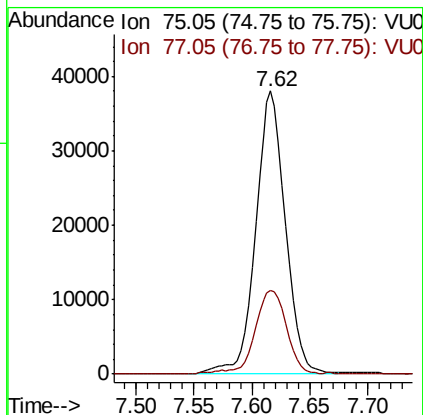
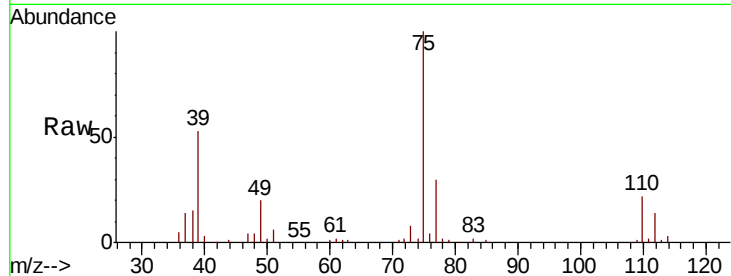


#39

cis-1,3-Dichloropropene
 Concen: 5.228 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

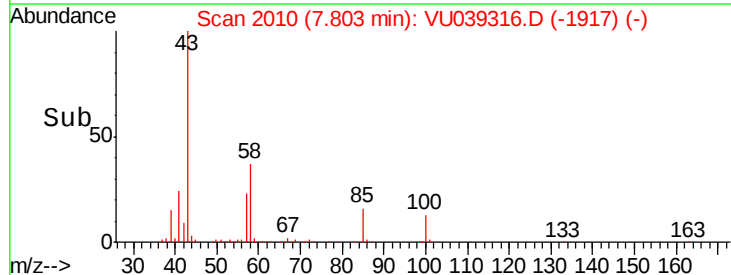
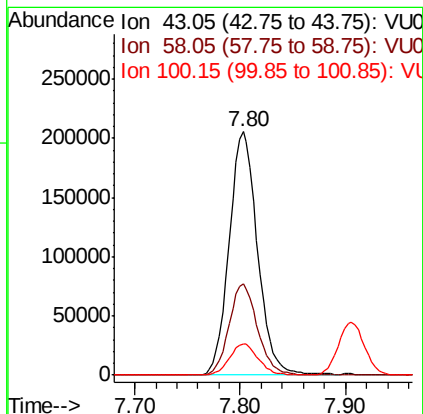
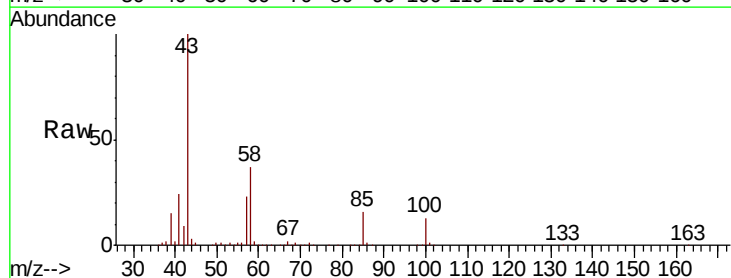
Tot Ion: 75 Resp: 67886
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.3 41.3

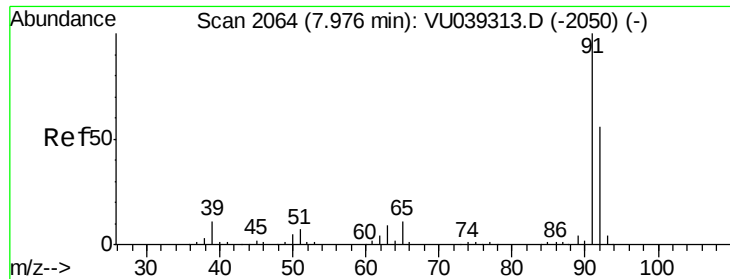


#40

4-Methyl-2-pentanone
 Concen: 53.313 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion: 43 Resp: 382032
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.5 45.7
 100 13.0 10.3 15.5





#42

Toluene

Concen: 5.127 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

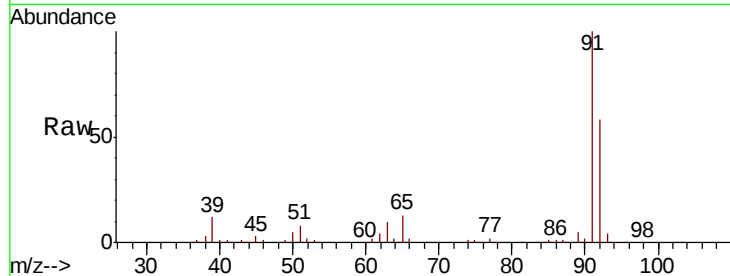
VICV04

Tot Ion: 91 Resp: 173009

Ion Ratio Lower Upper

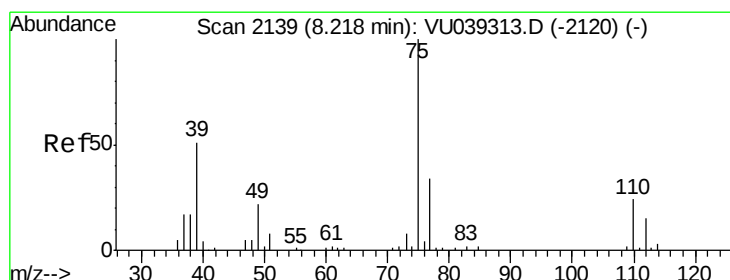
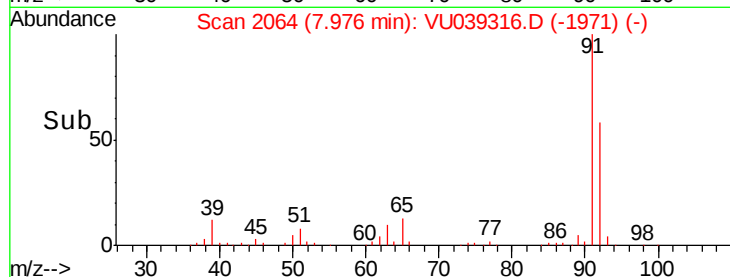
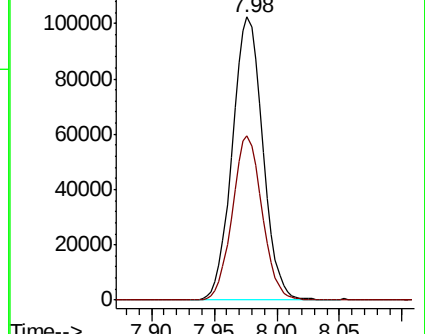
91 100

92 58.0 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039316.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039316.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.225 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039316.D

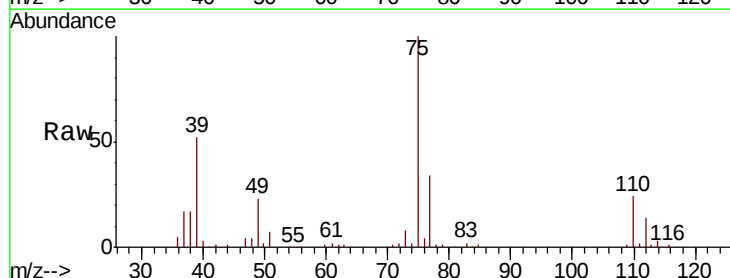
Acq: 07 Jul 2020 15:14

Tgt Ion: 75 Resp: 60195

Ion Ratio Lower Upper

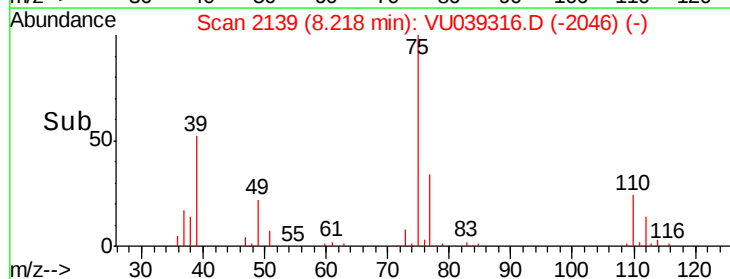
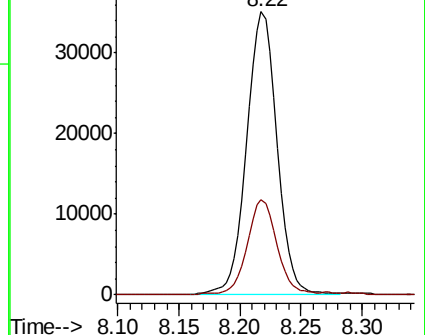
75 100

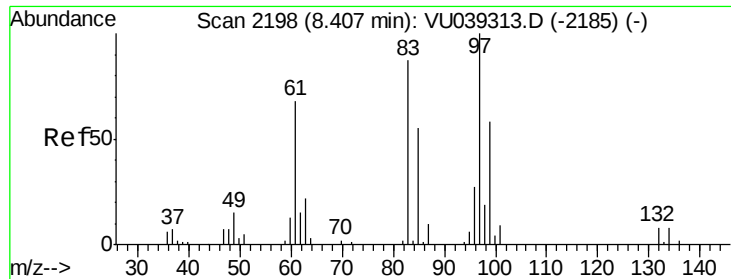
77 33.8 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039316.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039316.D (-2046) (-)

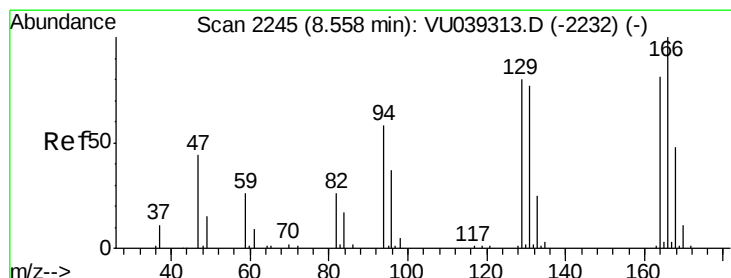
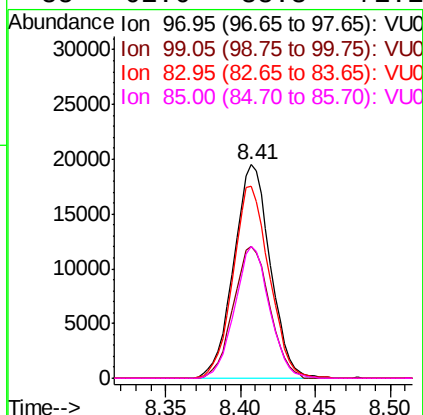
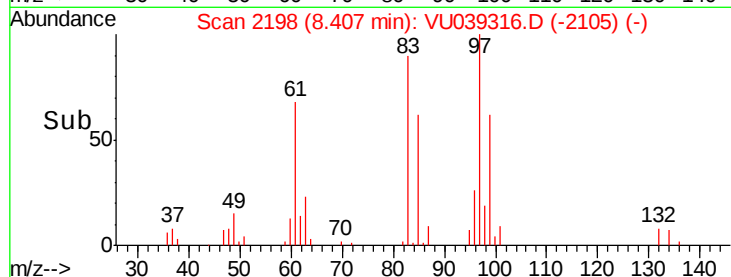
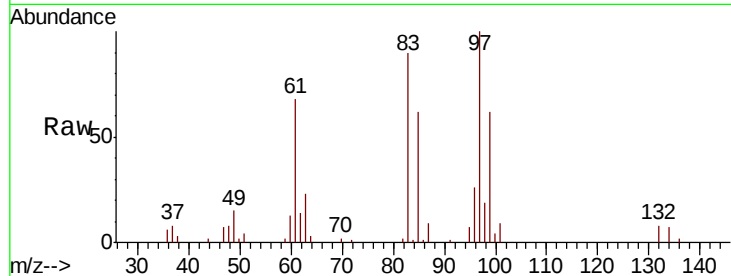




#45
1,1,2-Trichloroethane
Concen: 5.391 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

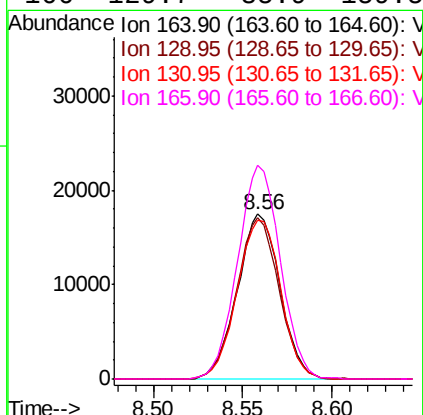
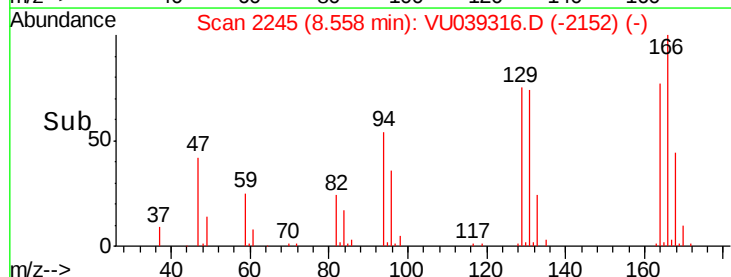
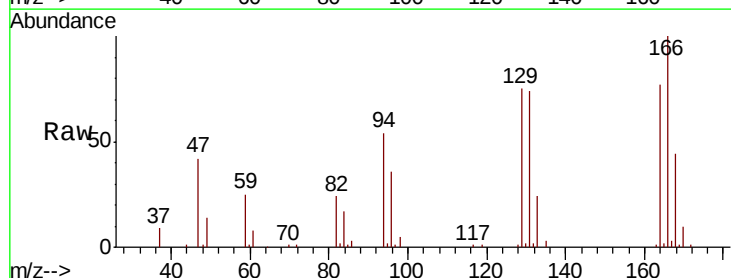
Instrument :
MSVOA_U
ClientSampleId :
VICV04

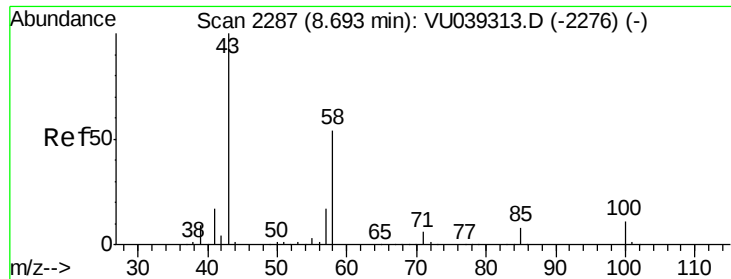
Tot Ion:	97	Resp:	33261
Ion	Ratio	Lower	Upper
97	100		
99	61.9	40.7	75.7
83	90.1	60.6	112.6
85	61.6	38.3	71.1



#47
Tetrachloroethene
Concen: 5.136 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Tgt Ion:	164	Resp:	29102
Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.6	127.4
131	96.4	66.4	123.4
166	129.7	85.9	159.5

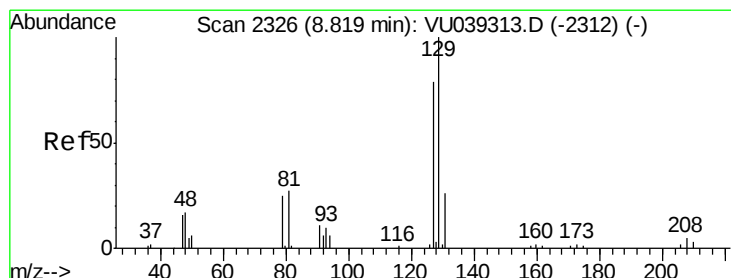
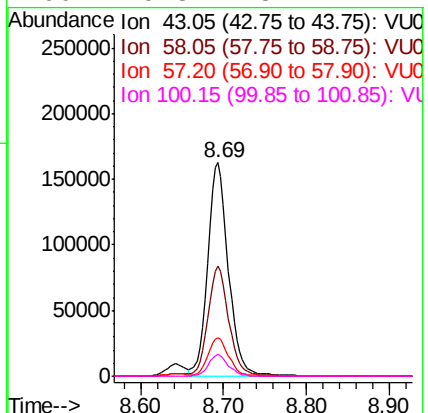
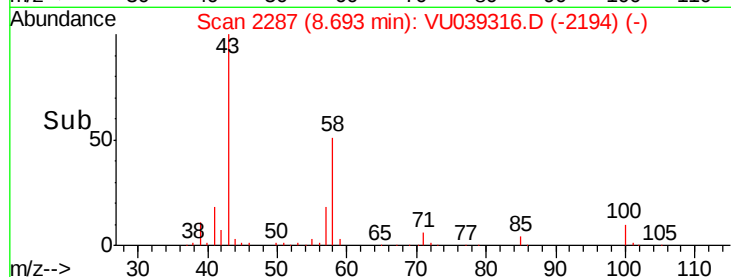
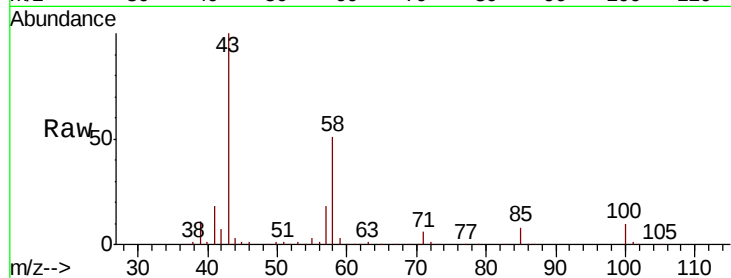




#48
2-Hexanone
Concen: 54.118 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

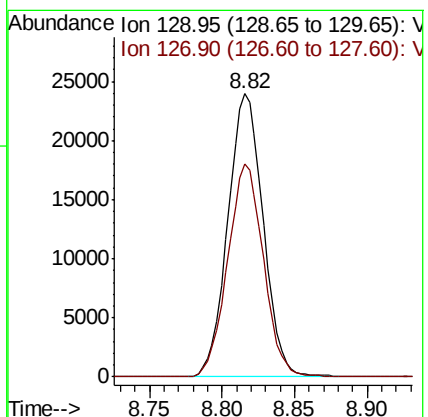
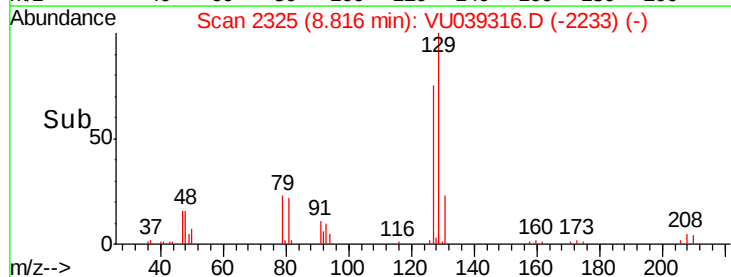
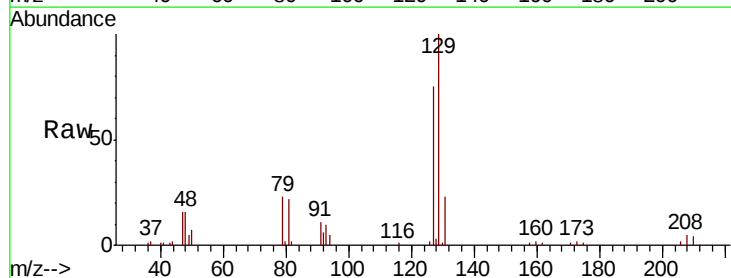
Instrument :
MSVOA_U
ClientSampled :
VICV04

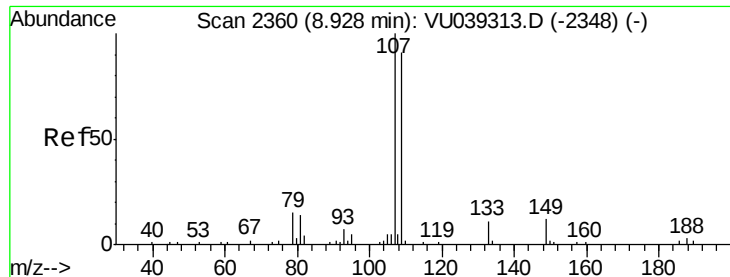
Tot Ion:	43	Resp:	285939
Ion	Ratio	Lower	Upper
43	100		
58	51.5	42.0	63.0
57	17.9	14.0	21.0
100	9.8	8.2	12.2



#49
Dibromochloromethane
Concen: 5.410 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Tgt Ion:	129	Resp:	40429
Ion	Ratio	Lower	Upper
129	100		
127	75.3	55.4	102.8

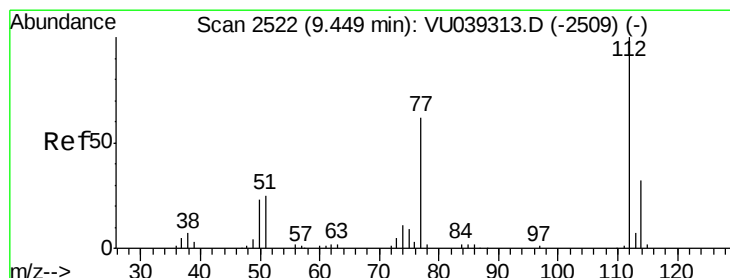
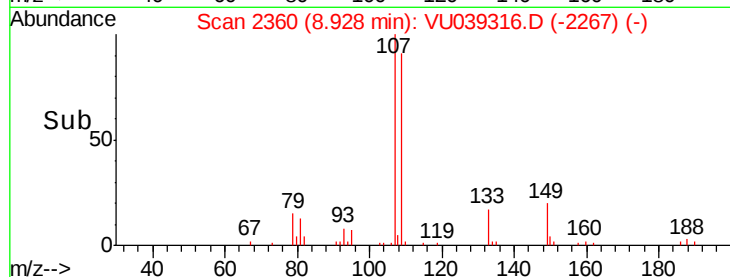
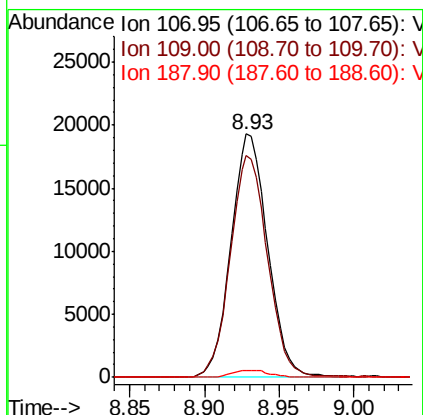
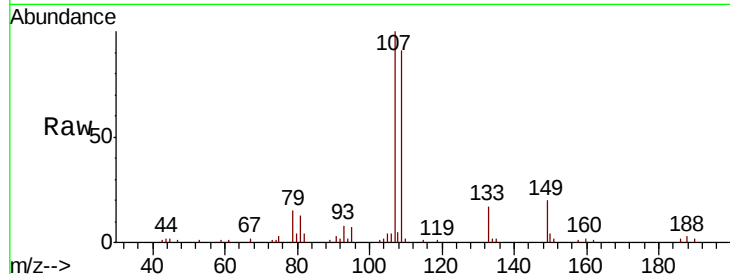




#50
 1,2-Dibromoethane
 Concen: 5.251 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

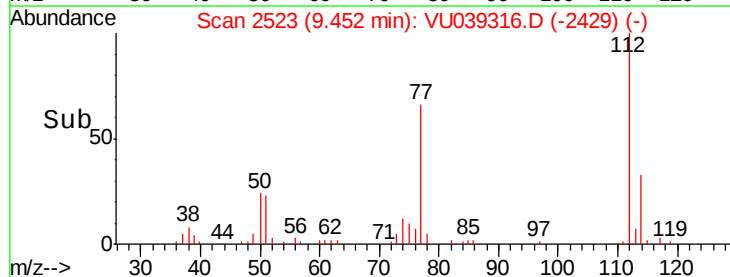
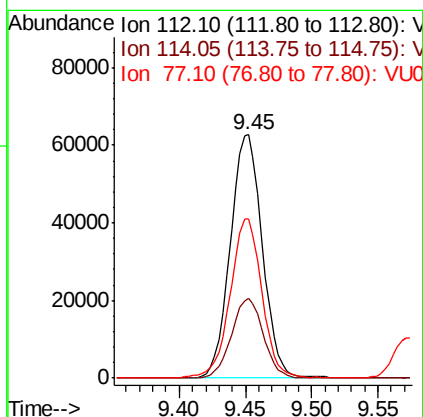
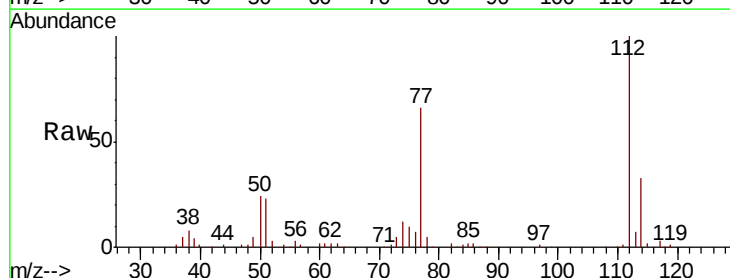
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

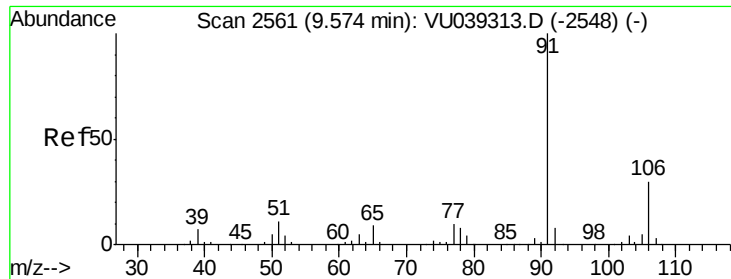
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	64.0	118.8
188	3.0	2.6	3.8



#51
 Chlorobenzene
 Concen: 5.108 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.1	41.1
77	65.5	49.9	74.9

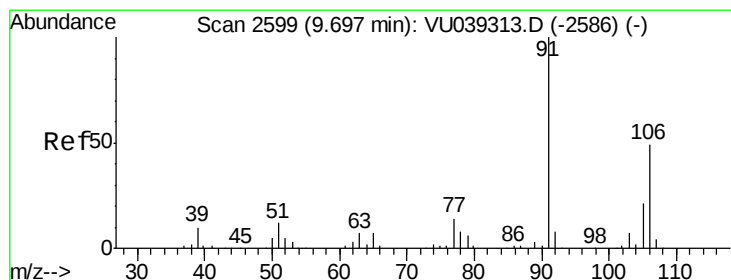
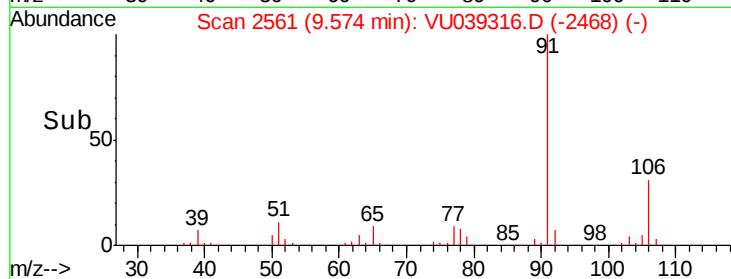
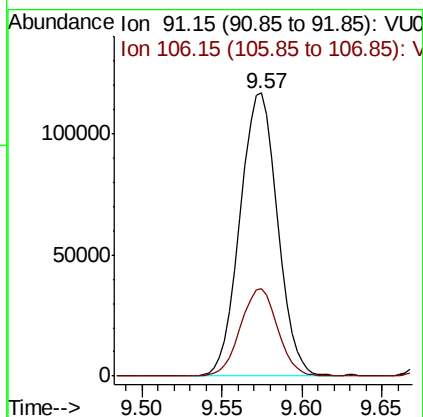
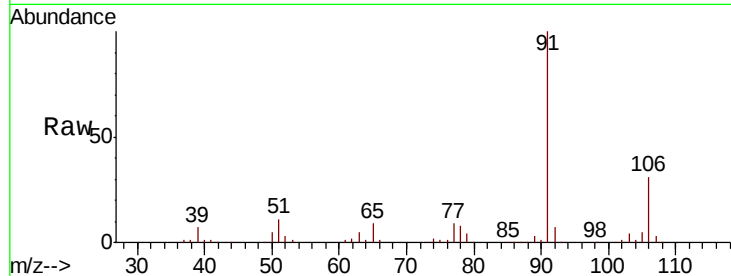




#52
Ethylbenzene
Concen: 5.028 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

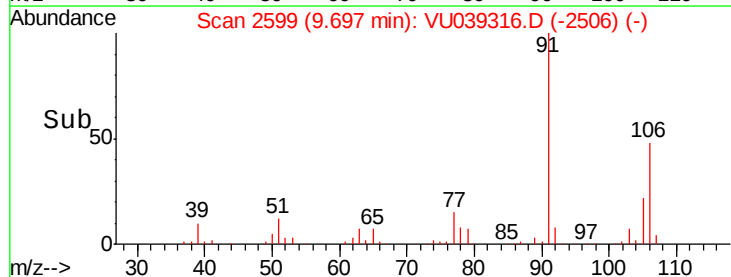
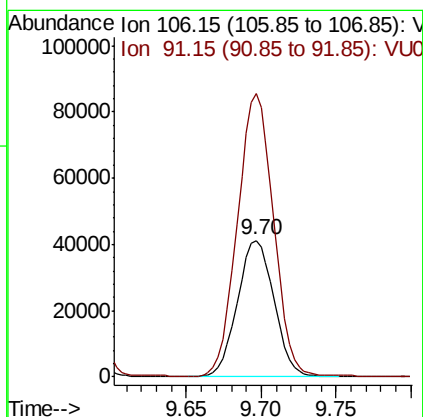
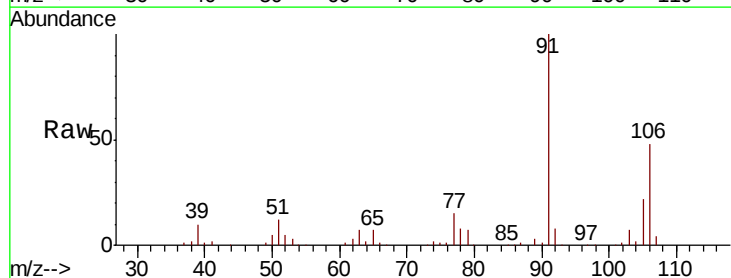
Instrument :
MSVOA_U
ClientSampleId :
VICV04

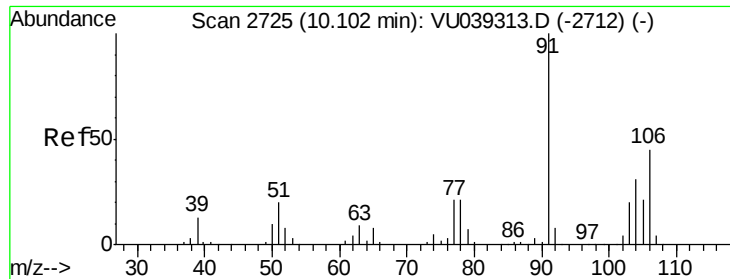
Tot Ion: 91 Resp: 187514
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 5.023 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Tgt Ion: 106 Resp: 70577
Ion Ratio Lower Upper
106 100
91 207.7 144.0 267.4

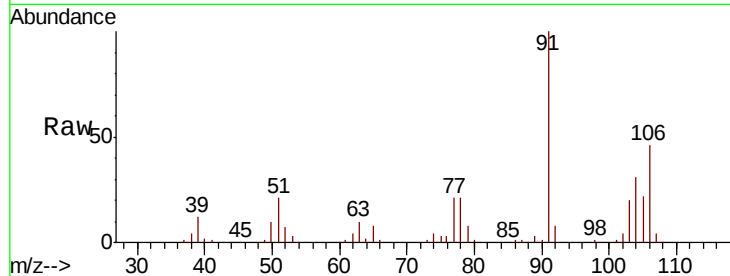




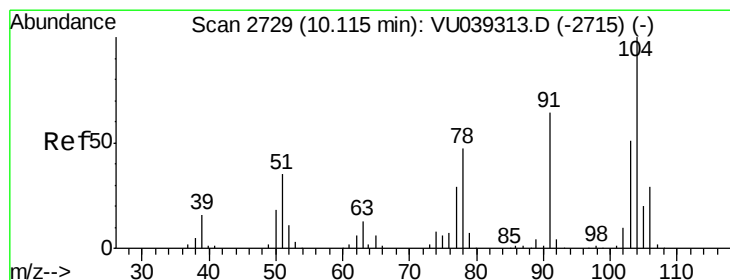
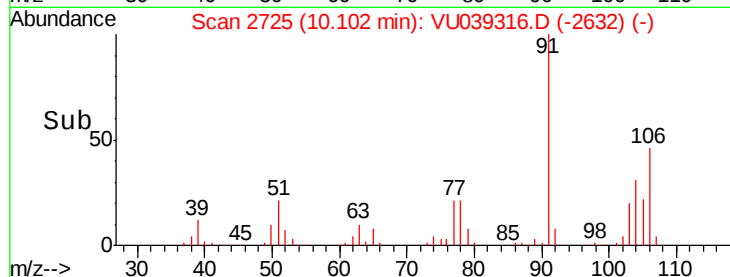
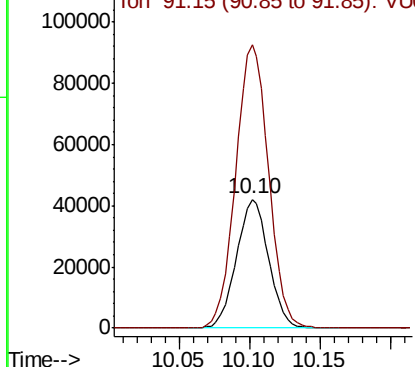
#54
o-Xylene
Concen: 4.914 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Instrument :
MSVOA_U
ClientSampled :
VICV04

Tot Ion:106 Resp: 67223
Ion Ratio Lower Upper
106 100
91 219.7 154.6 287.2

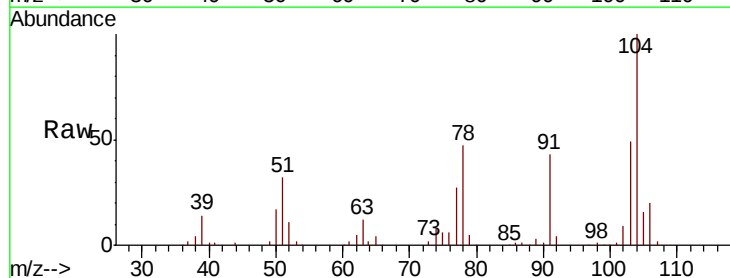


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

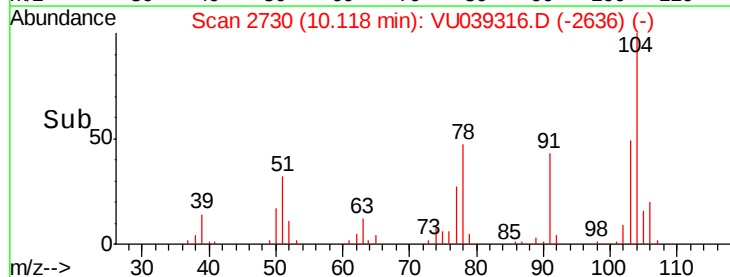
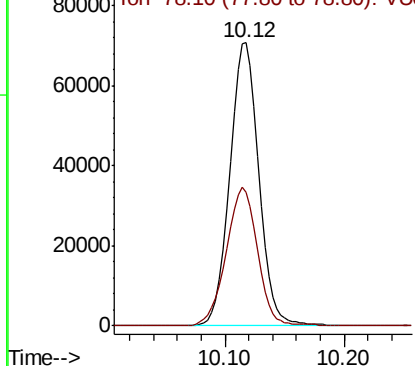


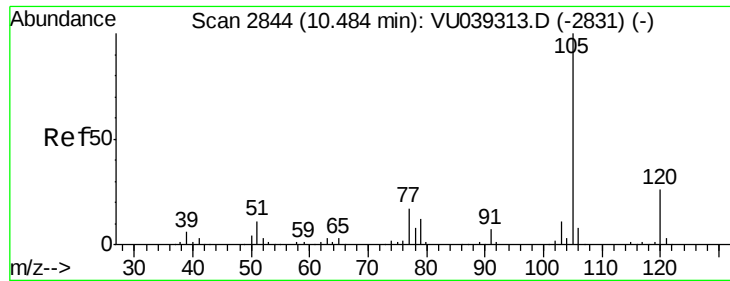
#55
Styrene
Concen: 5.022 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039316.D
Acq: 07 Jul 2020 15:14

Tgt Ion:104 Resp: 119531
Ion Ratio Lower Upper
104 100
78 47.4 33.1 61.5



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





#56

Isopropylbenzene

Concen: 4.813 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampled :

VICV04

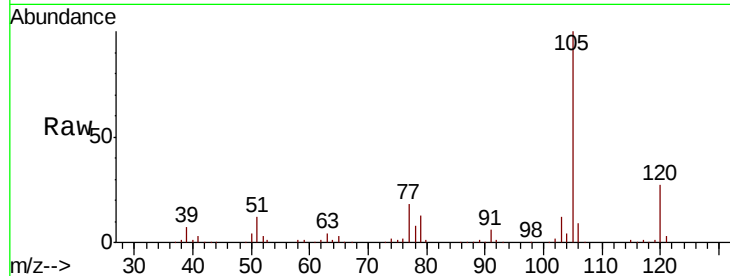
Tot Ion:105 Resp: 178056

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

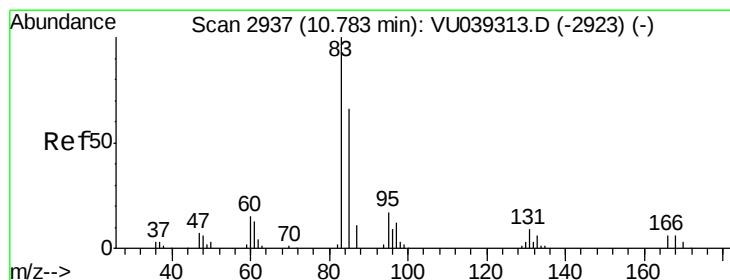
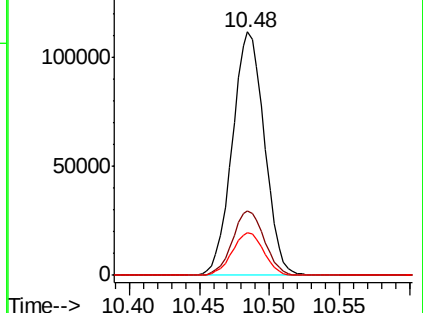
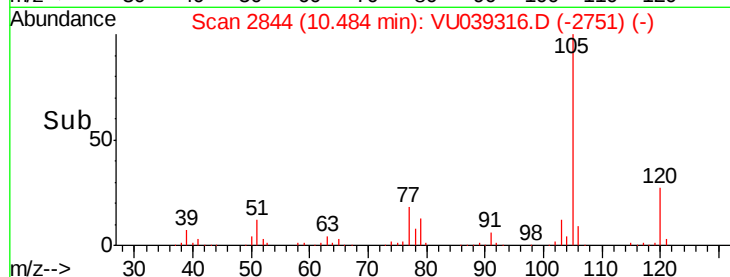
77 17.4 13.9 20.9



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: 5.093 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

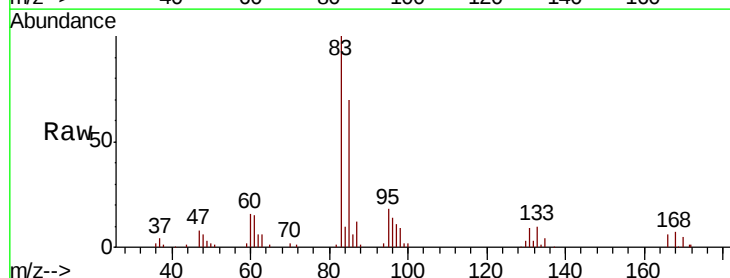
Tgt Ion: 83 Resp: 43742

Ion Ratio Lower Upper

83 100

85 70.2 46.1 85.7

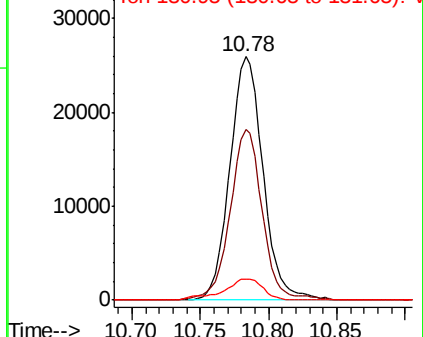
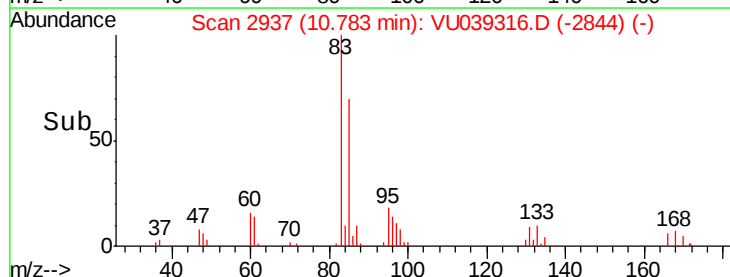
131 8.6 7.4 11.0

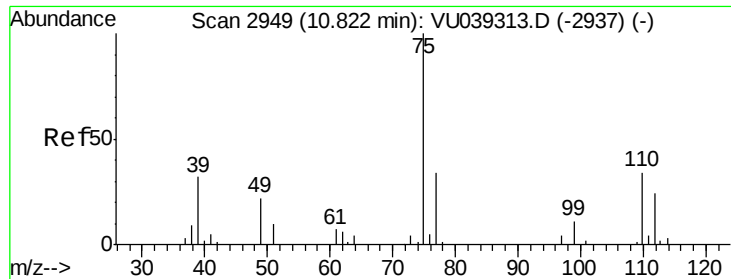


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

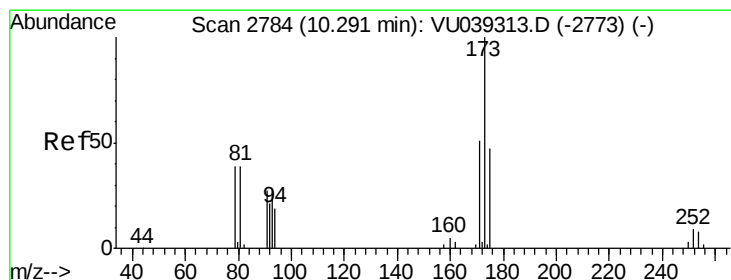
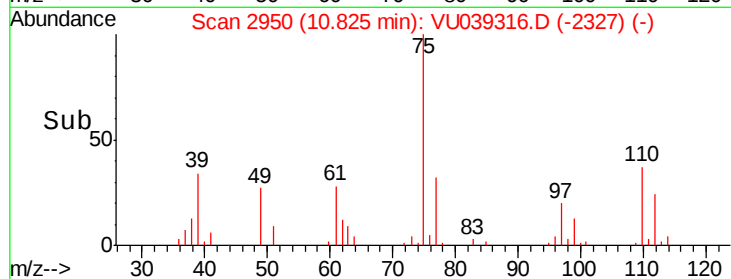
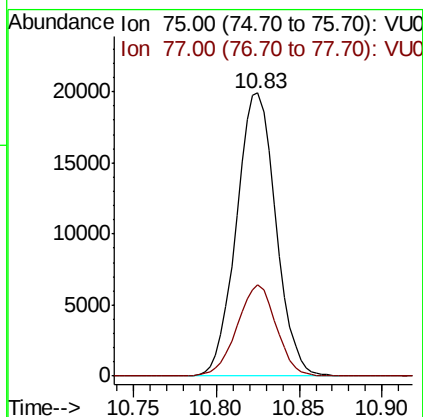
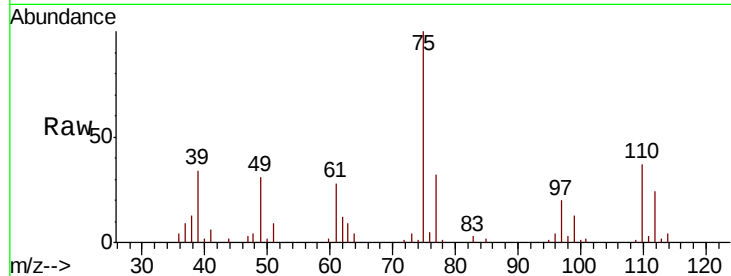




#59
 1,2,3-Trichloropropane
 Concen: 5.203 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

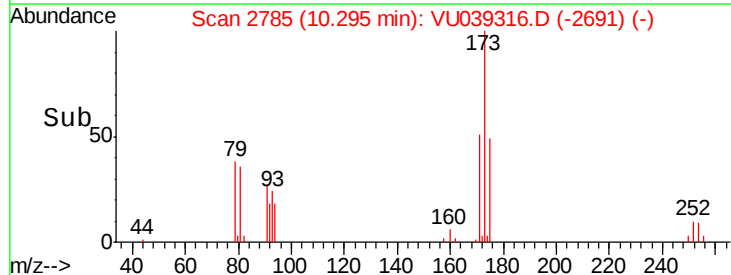
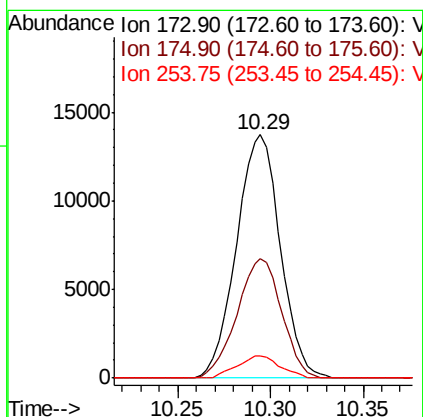
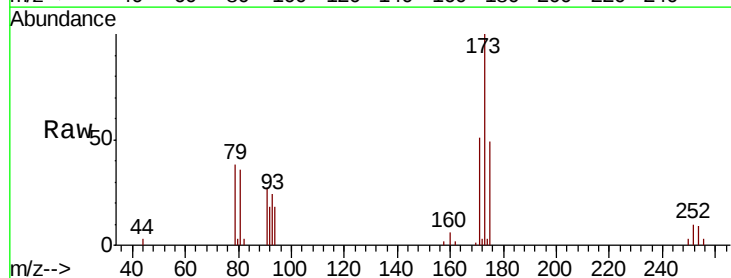
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

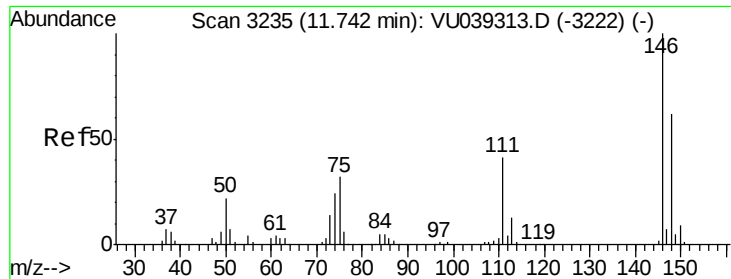
Tot Ion: 75 Resp: 32938
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.8 40.2



#61
 Bromoform
 Concen: 5.255 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion: 173 Resp: 22472
 Ion Ratio Lower Upper
 173 100
 175 50.0 37.5 56.3
 254 8.8 6.7 10.1





#62

1,3-Dichlorobenzene

Concen: 5.166 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

VICV04

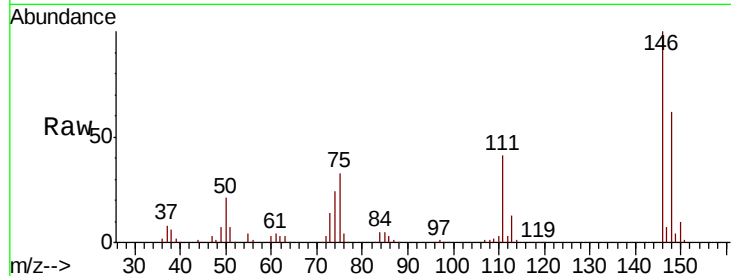
Tot Ion:146 Resp: 82133

Ion Ratio Lower Upper

146 100

111 41.0 29.0 53.8

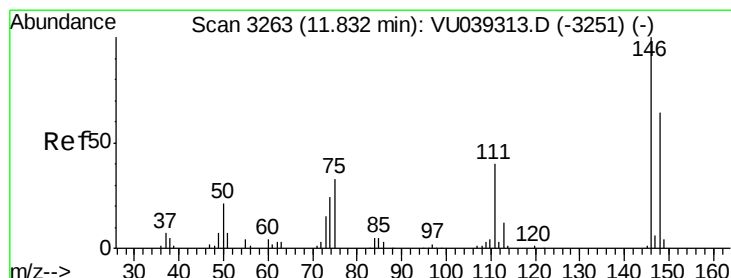
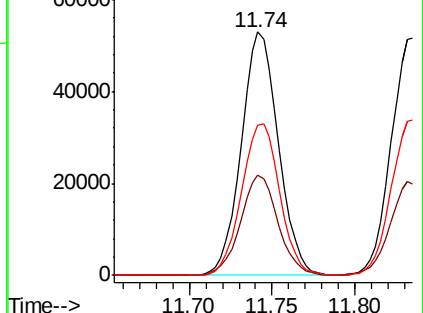
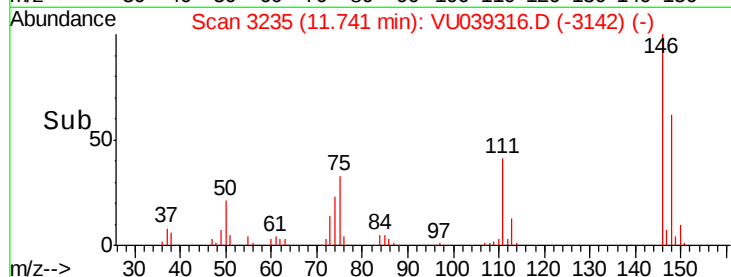
148 61.6 43.5 80.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.189 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

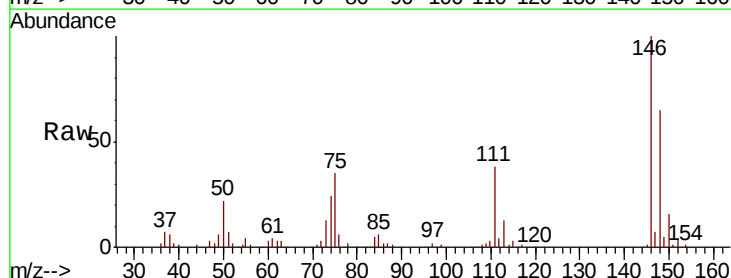
Tgt Ion:146 Resp: 82758

Ion Ratio Lower Upper

146 100

111 38.4 28.6 53.0

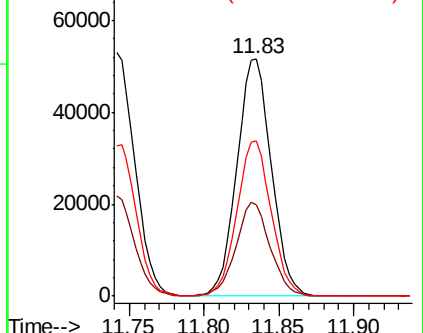
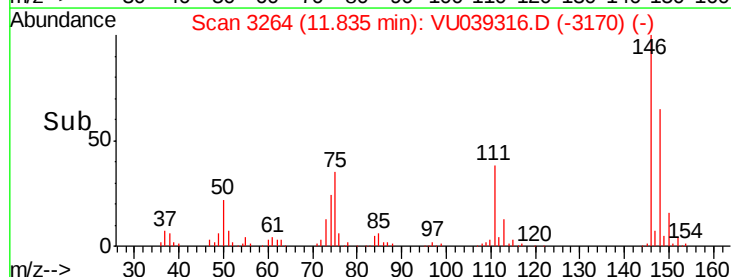
148 65.2 45.0 83.6

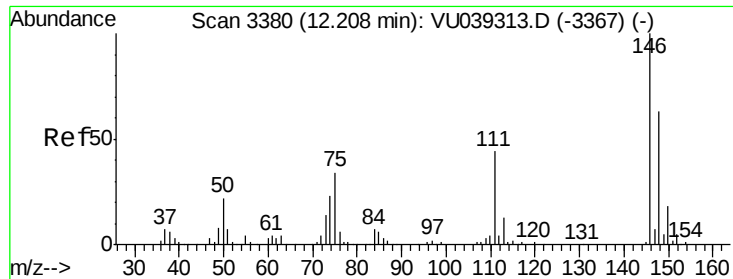


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

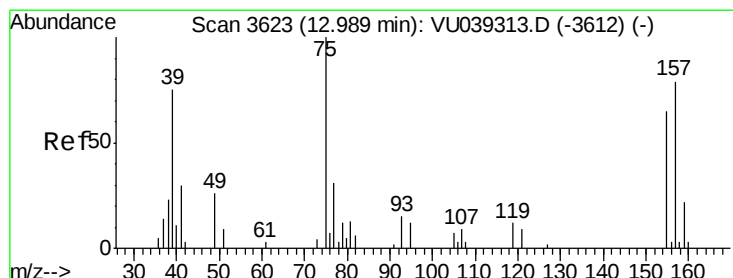
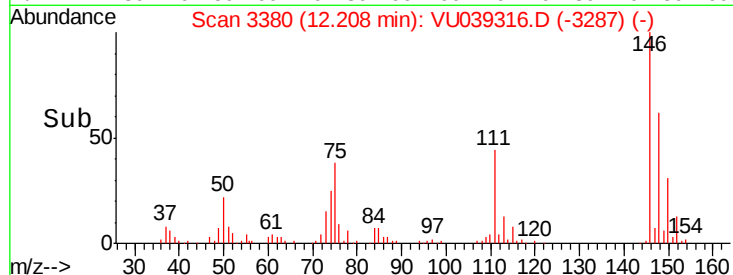
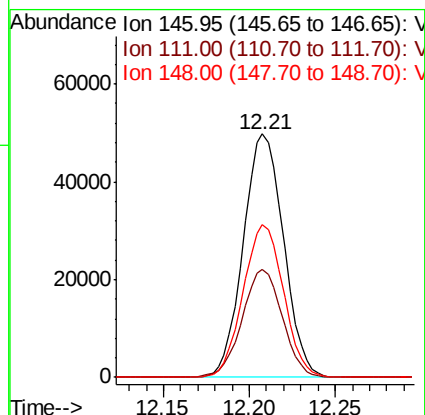
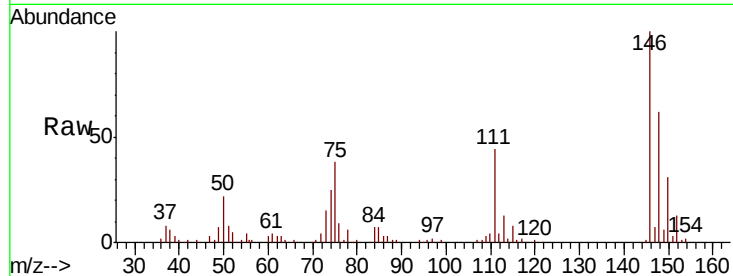




#65
 1,2-Dichlorobenzene
 Concen: 5.078 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

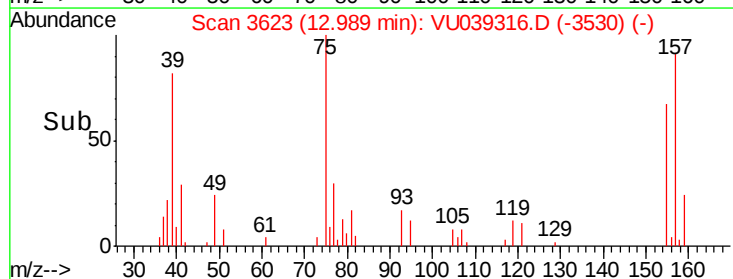
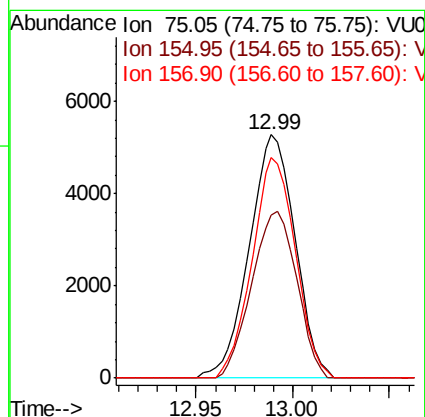
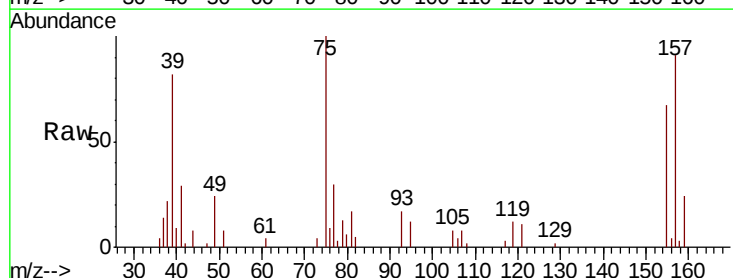
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

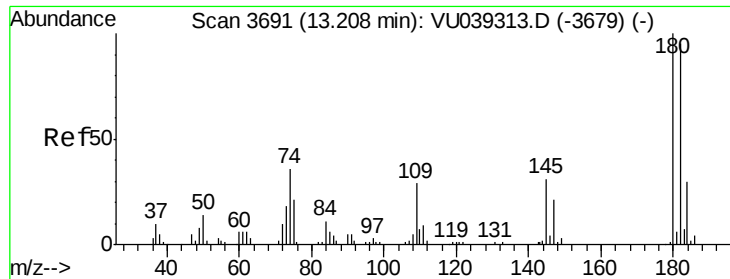
Tot Ion:146 Resp: 80933
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.0 52.4
 148 62.5 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.192 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion: 75 Resp: 8718
 Ion Ratio Lower Upper
 75 100
 155 67.1 51.9 77.9
 157 90.6 63.2 94.8

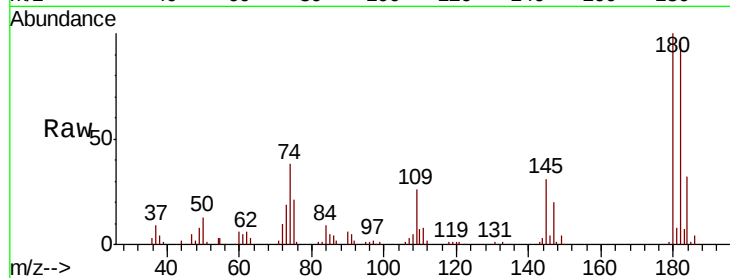




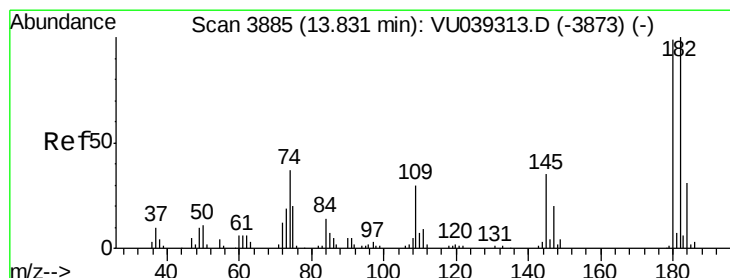
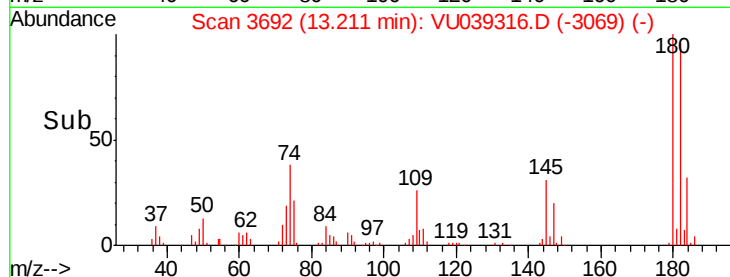
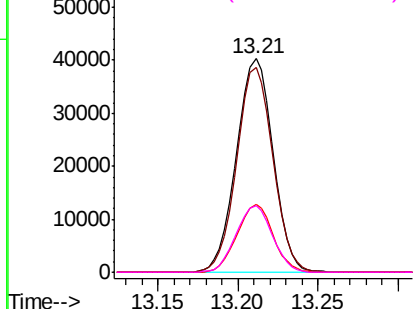
#67
 1,3,5-Trichlorobenzene
 Concen: 5.282 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Tot Ion:180 Resp: 62849
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.2 114.4
 184 31.2 24.2 36.4
 145 30.9 24.2 36.2

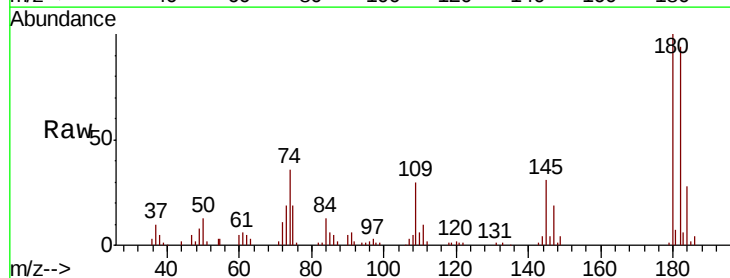


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

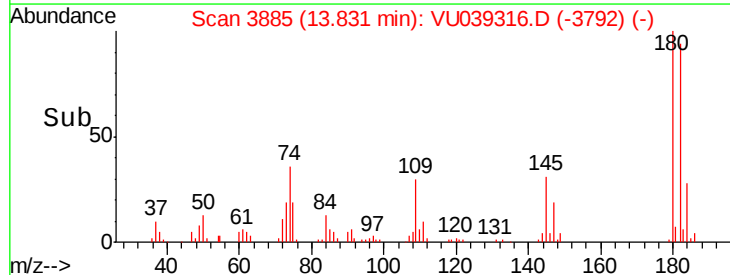
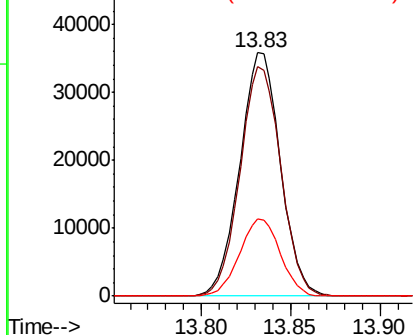


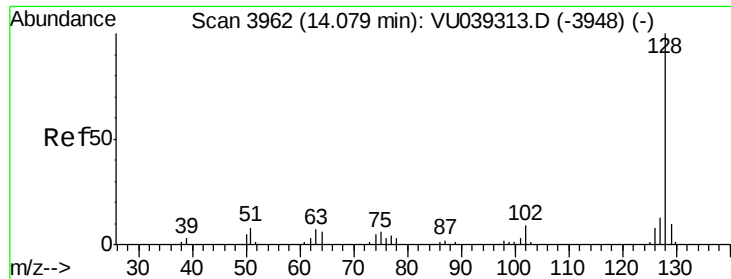
#68
 1,2,4-trichlorobenzene
 Concen: 5.592 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039316.D
 Acq: 07 Jul 2020 15:14

Tgt Ion:180 Resp: 56938
 Ion Ratio Lower Upper
 180 100
 182 94.5 79.4 119.2
 145 31.6 26.4 39.6



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: 5.934 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

Instrument :

MSVOA_U

ClientSampleId :

VICV04

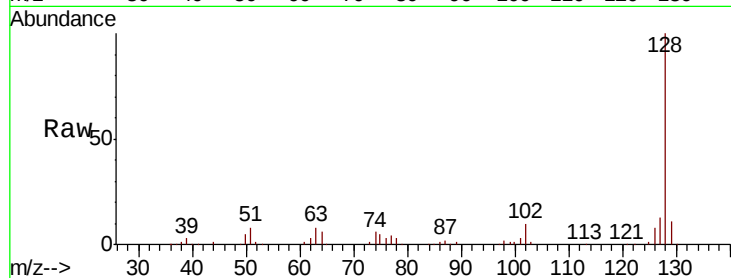
Tot Ion:128 Resp: 121570

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

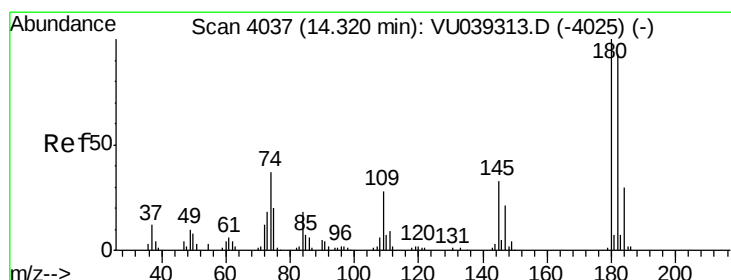
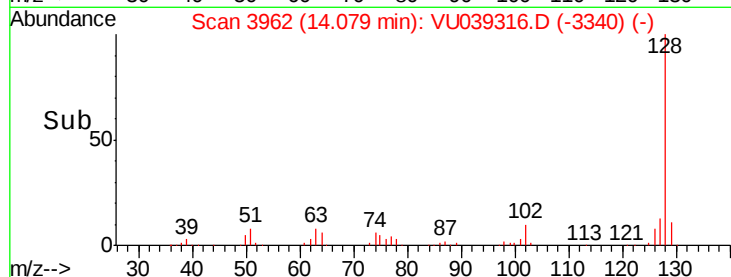
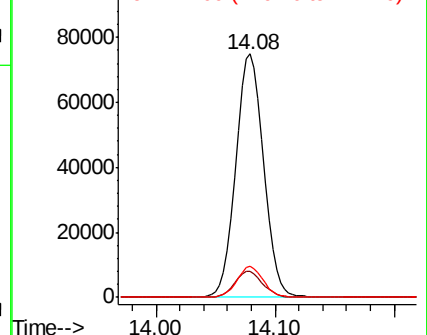
127 12.1 10.4 15.6



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: 5.596 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039316.D

Acq: 07 Jul 2020 15:14

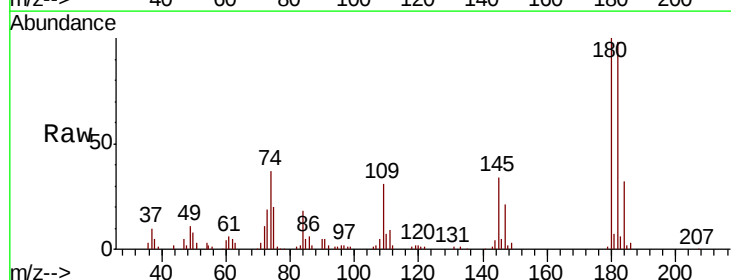
Tgt Ion:180 Resp: 52796

Ion Ratio Lower Upper

180 100

182 95.5 74.2 111.2

145 33.4 27.6 41.4



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

