

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037416.D
 Acq On : 28 Mar 2020 13:30
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 00:11:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 28 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	123577	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	117739	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	61854	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	42628	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.93	69	33764	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.59	63	86129	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.68	46	123911	49.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.68%
24) Chloroform-d	5.11	84	86171	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.74	65	46228	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.76	84	164886	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.72	67	51271	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.93	98	152152	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.20	79	24604	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.66	63	102656	48.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.54%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	43238	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	57764	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	50239	4.845 ug/L	98
3) Chloromethane	1.53	50	46480	5.057 ug/L	98
5) Vinyl chloride	1.62	62	46983	4.857 ug/L	98
6) Bromomethane	1.87	94	28137	5.161 ug/L	99
8) Chloroethane	1.95	64	25609	4.746 ug/L	95
9) Trichlorofluoromethane	2.16	101	62584	4.832 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	39652	5.025 ug/L	97
12) 1,1-Dichloroethene	2.60	96	38109	4.689 ug/L	97
13) Acetone	2.68	43	68358	47.848 ug/L	98
14) Carbon disulfide	2.82	76	134939	4.853 ug/L	99
15) Methyl Acetate	2.99	43	19138	4.795 ug/L	95
16) Methylene chloride	3.08	84	42530	4.683 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	106999	4.838 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	42211	4.966 ug/L	96
19) 1,1-Dichloroethane	3.91	63	77904	4.904 ug/L	99
21) 2-Butanone	4.76	43	120009	49.413 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	45123	4.738 ug/L	95

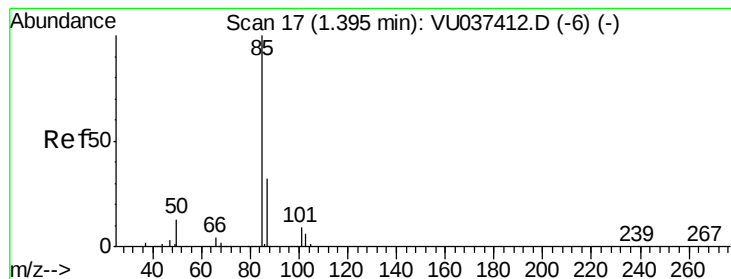
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 28 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	20535	4.881	ug/L	92
25) Chloroform	5.13	83	81011	4.848	ug/L	96
27) 1,2-Dichloroethane	5.83	62	53223	4.768	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	75091	5.074	ug/L	98
30) Cyclohexane	5.42	56	73401	4.840	ug/L	98
31) Carbon tetrachloride	5.56	117	62131	4.863	ug/L	97
33) Benzene	5.81	78	168316	4.827	ug/L	100
34) Trichloroethene	6.57	95	46796	4.712	ug/L	97
35) Methylcyclohexane	6.79	83	75686	4.816	ug/L	97
37) 1,2-Dichloropropane	6.82	63	45067	5.000	ug/L	100
38) Bromodichloromethane	7.14	83	59408	4.820	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	73253	4.984	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	297853	49.634	ug/L	100
42) Toluene	8.00	91	185110	4.926	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	65144	4.958	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	31807	4.718	ug/L	99
47) Tetrachloroethene	8.58	164	33092	4.838	ug/L	96
48) 2-Hexanone	8.71	43	215125	49.735	ug/L	99
49) Dibromochloromethane	8.83	129	40810	4.905	ug/L	95
50) 1,2-Dibromoethane	8.95	107	31953	4.883	ug/L	96
51) Chlorobenzene	9.47	112	119280	4.595	ug/L	99
52) Ethylbenzene	9.59	91	213172	4.943	ug/L	100
53) m,p-Xylene	9.71	106	79636	4.888	ug/L	100
54) o-Xylene	10.12	106	77934	4.901	ug/L	99
55) Styrene	10.13	104	134447	4.948	ug/L	100
56) Isopropylbenzene	10.50	105	208845	4.929	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	43334	5.036	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	30583	4.878	ug/L	96
61) Bromoform	10.31	173	25144	4.891	ug/L	95
62) 1,3-Dichlorobenzene	11.76	146	96989	4.876	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	95001	4.473	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	90041	4.689	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	9253	5.477	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	74706	4.844	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	70553	4.745	ug/L	99
69) Naphthalene	14.12	128	140373	4.863	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	64092	4.793	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.845 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

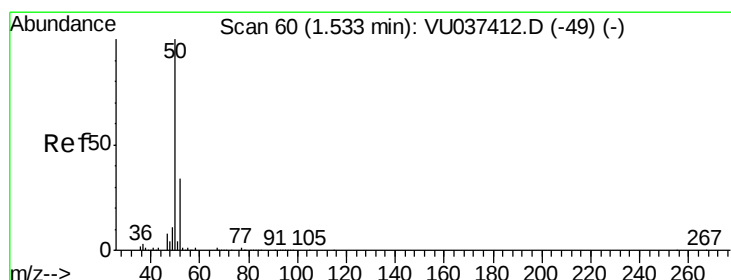
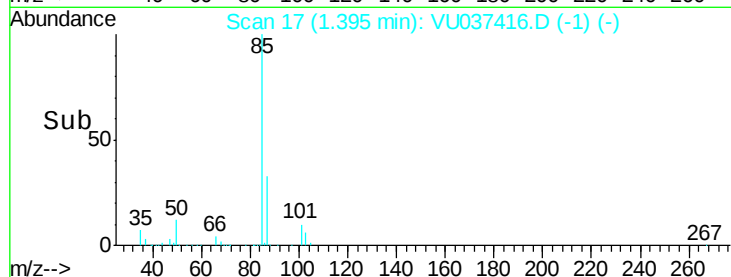
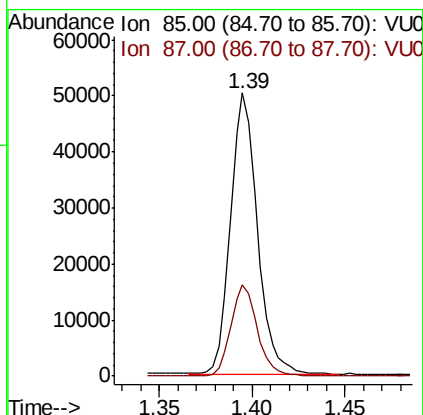
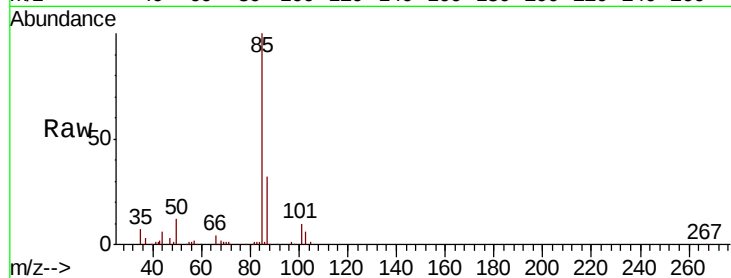
ClientSampleId :

Tot Ion: 85 Resp: 50239

Ion Ratio Lower Upper

85 100

87 32.0 24.9 37.3



#3

Chloromethane

Concen: 5.057 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037416.D

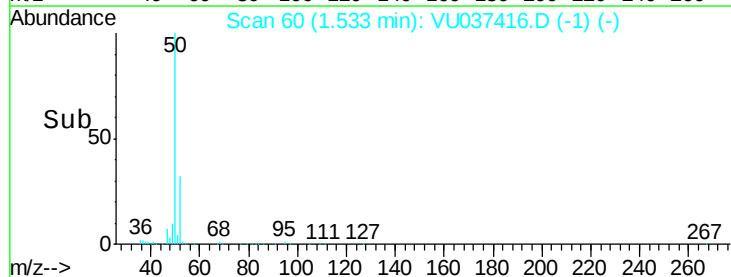
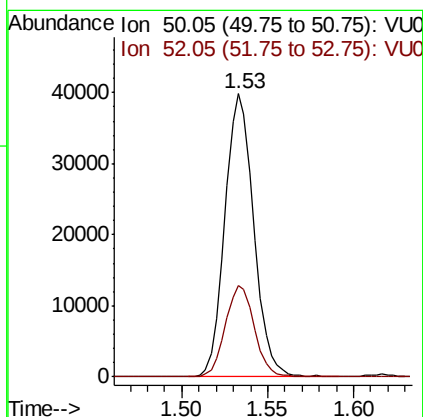
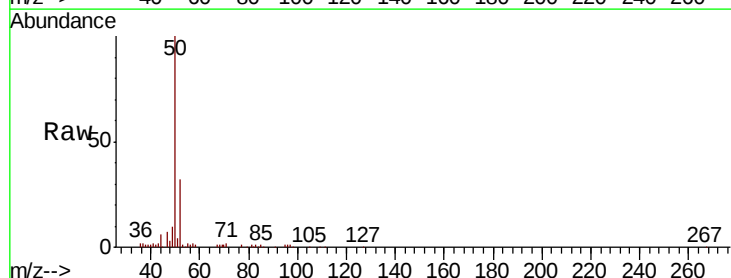
Acq: 28 Mar 2020 13:30

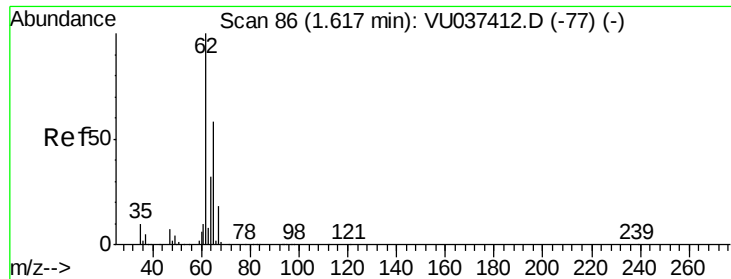
Tgt Ion: 50 Resp: 46480

Ion Ratio Lower Upper

50 100

52 32.3 23.6 43.8





#5

Vinyl chloride

Concen: 4.857 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

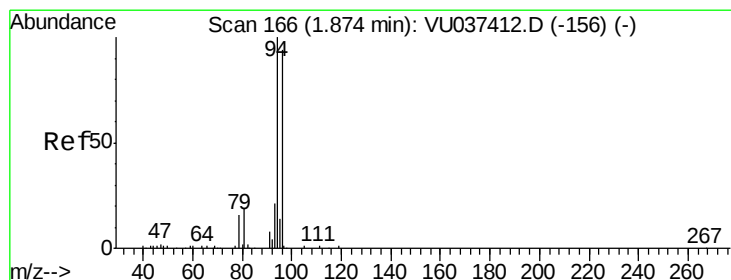
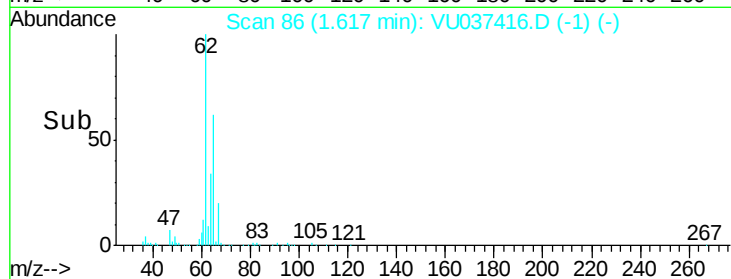
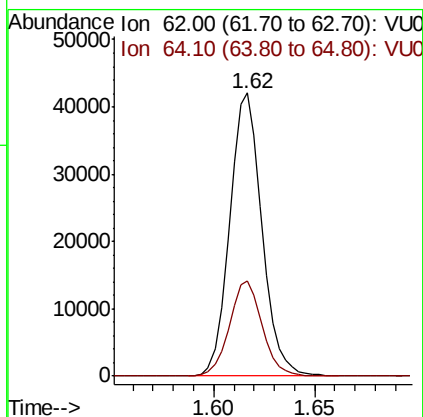
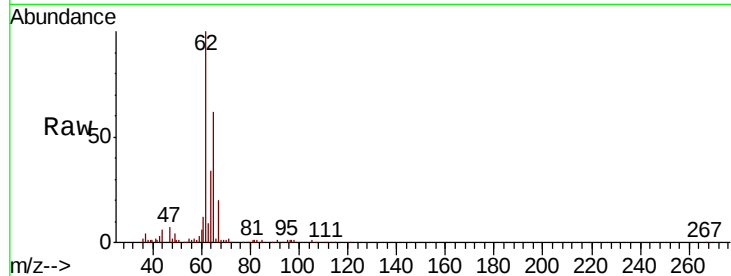
ClientSampleId :

Tot Ion: 62 Resp: 46983

Ion Ratio Lower Upper

62 100

64 33.8 22.9 42.5



#6

Bromomethane

Concen: 5.161 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037416.D

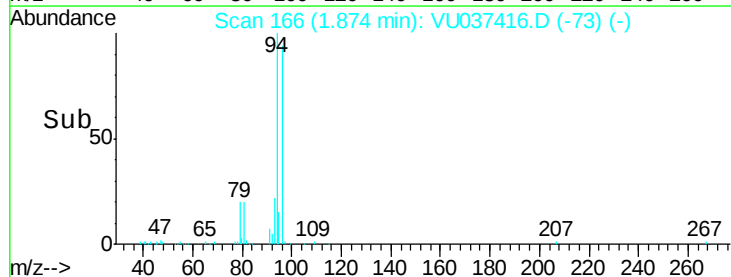
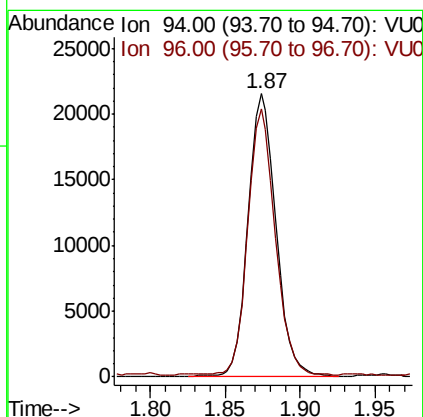
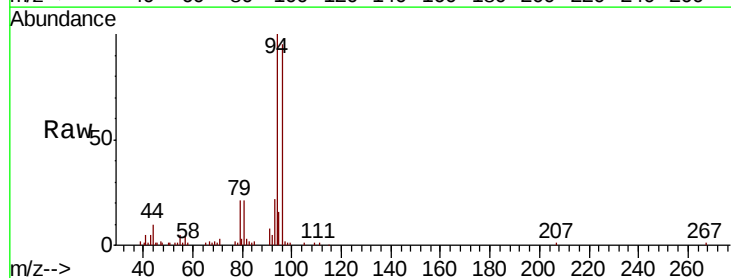
Acq: 28 Mar 2020 13:30

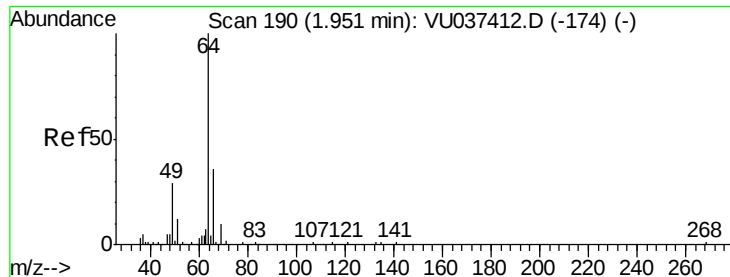
Tgt Ion: 94 Resp: 28137

Ion Ratio Lower Upper

94 100

96 94.7 66.8 124.2

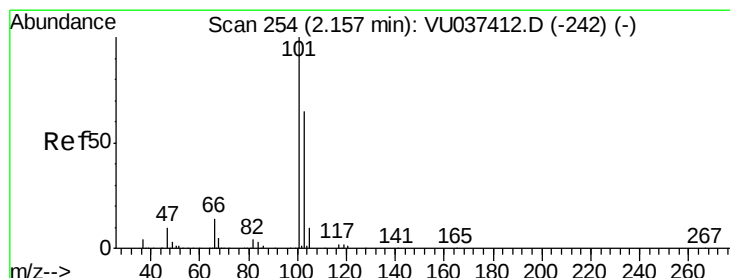
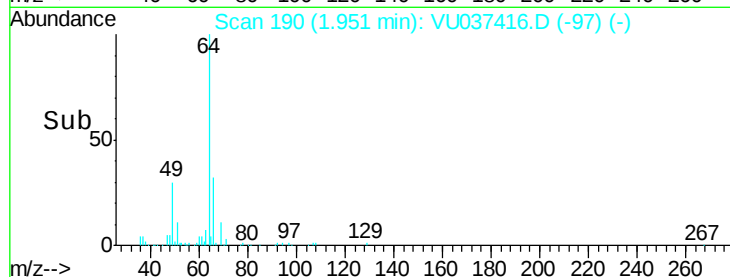
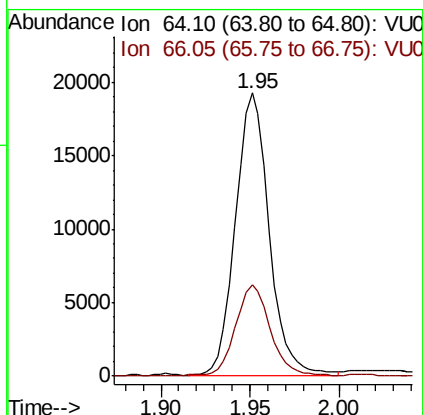
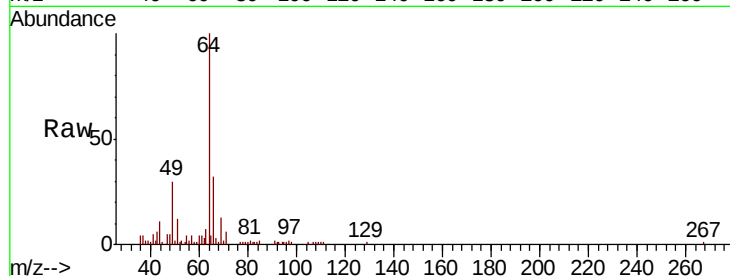




#8
Chloroethane
Concen: 4.746 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

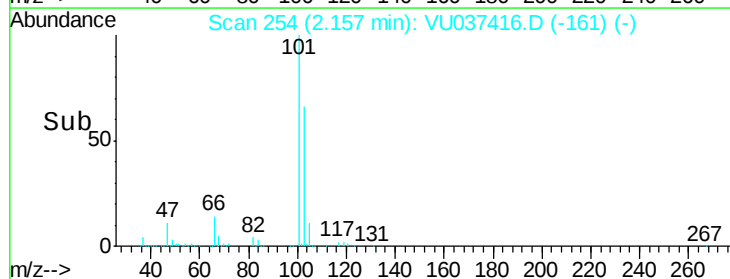
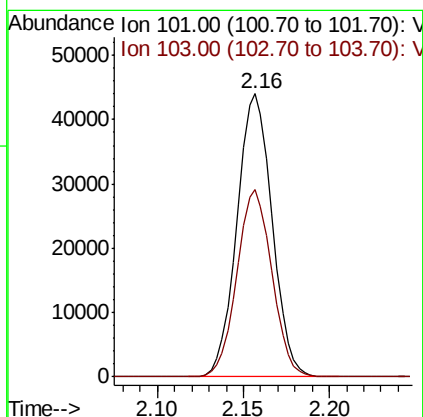
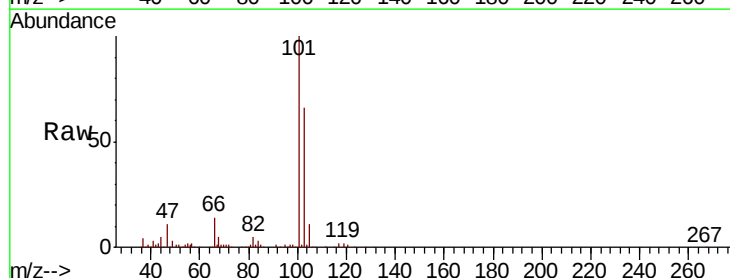
Instrument :
MSVOA_U
ClientSampleId :

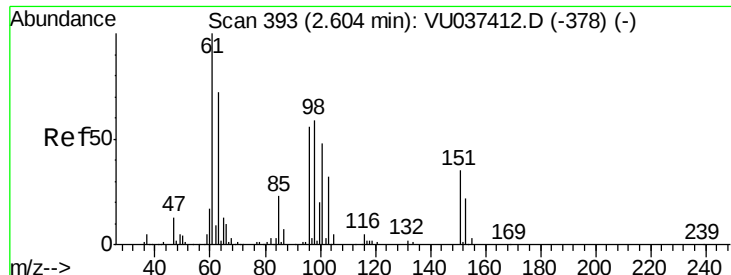
Tot Ion: 64 Resp: 25609
Ion Ratio Lower Upper
64 100
66 32.2 24.8 46.0



#9
Trichlorofluoromethane
Concen: 4.832 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Tgt Ion: 101 Resp: 62584
Ion Ratio Lower Upper
101 100
103 66.4 51.8 77.6





#10

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

Concen: 5.025 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

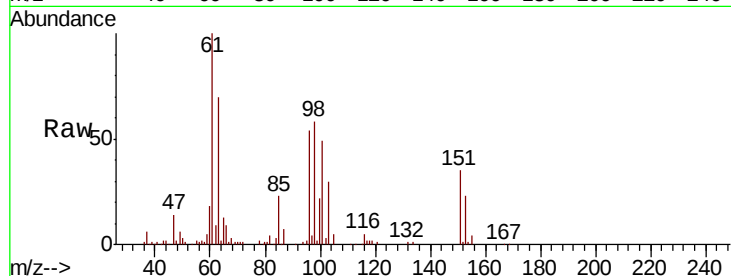
Tot Ion:101 Resp: 39652

Ion Ratio Lower Upper

101 100

85 45.0 39.0 58.6

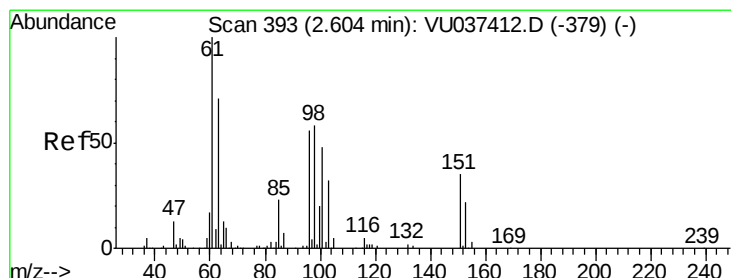
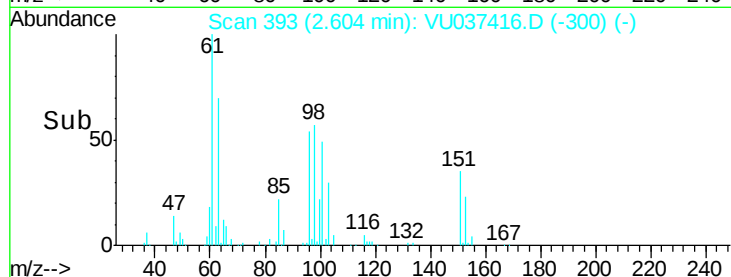
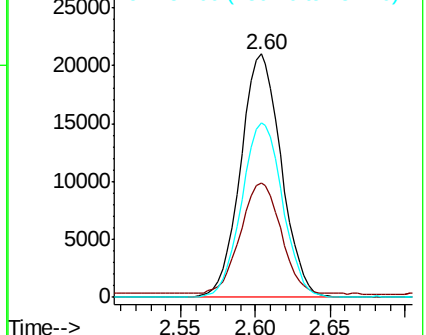
151 72.3 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.689 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

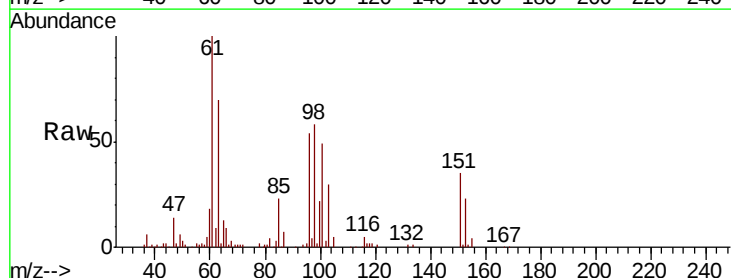
Tgt Ion: 96 Resp: 38109

Ion Ratio Lower Upper

96 100

61 184.6 125.4 232.8

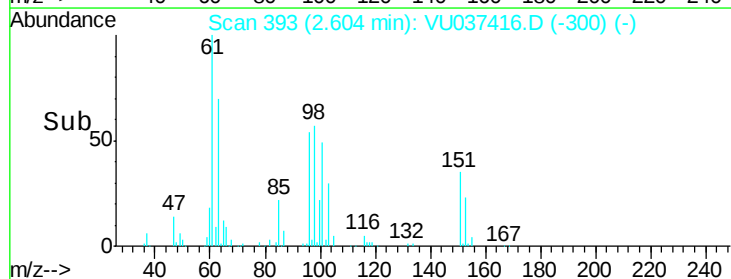
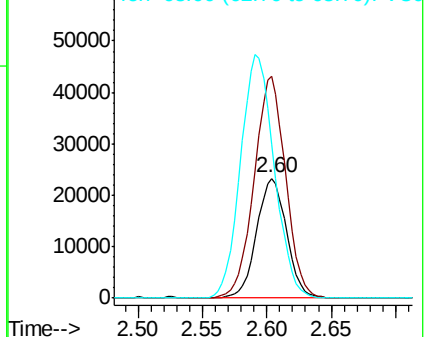
63 128.7 90.9 168.7

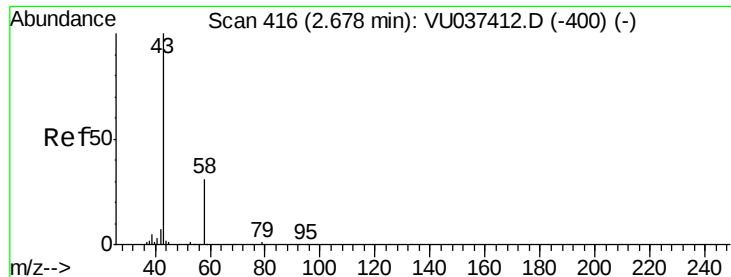


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.848 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

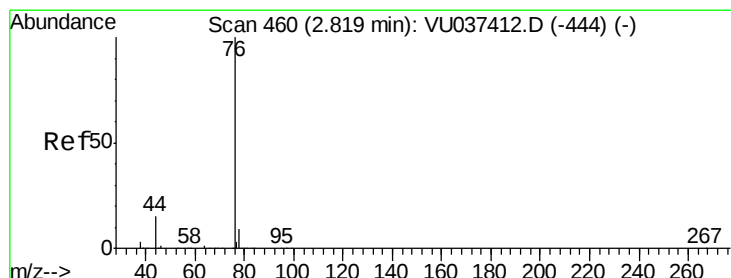
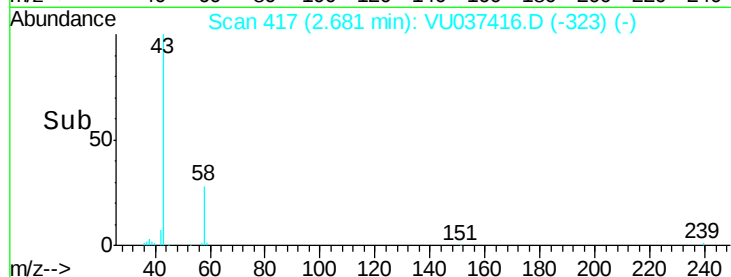
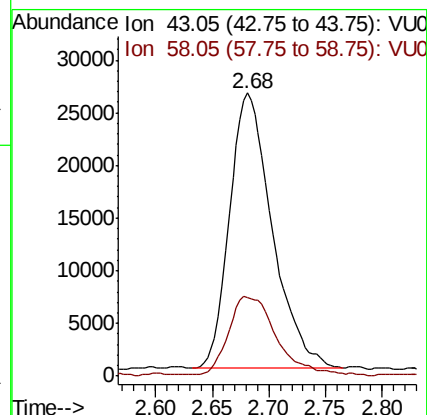
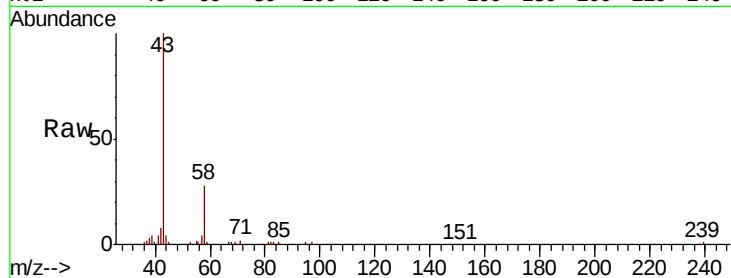
ClientSampled :

Tot Ion: 43 Resp: 68358

Ion Ratio Lower Upper

43 100

58 32.0 0.0 66.0



#14

Carbon disulfide

Concen: 4.853 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037416.D

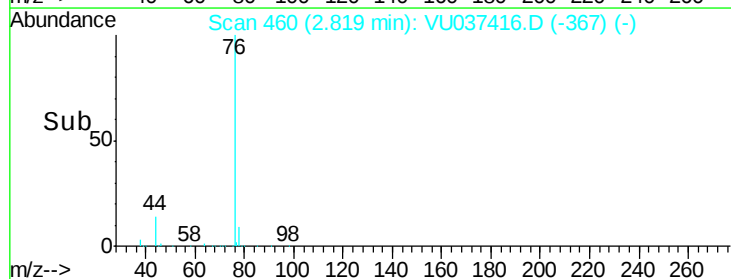
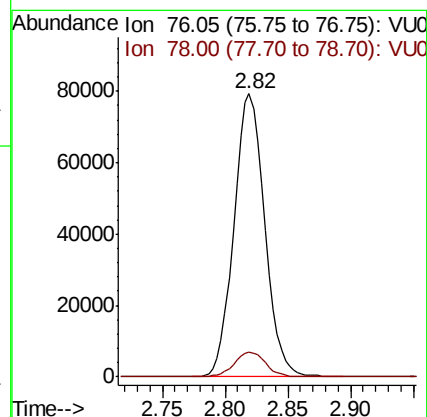
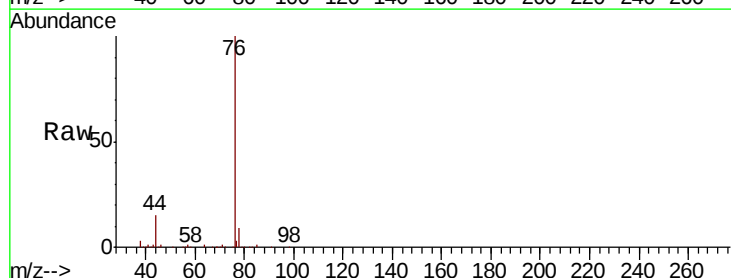
Acq: 28 Mar 2020 13:30

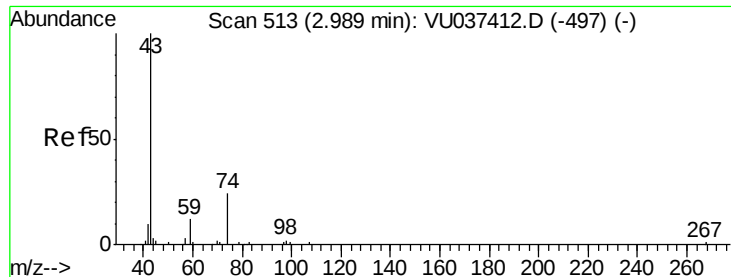
Tgt Ion: 76 Resp: 134939

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

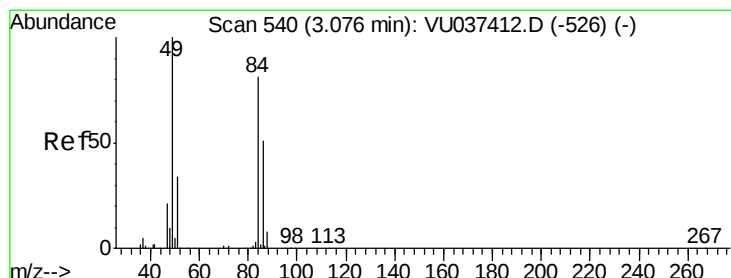
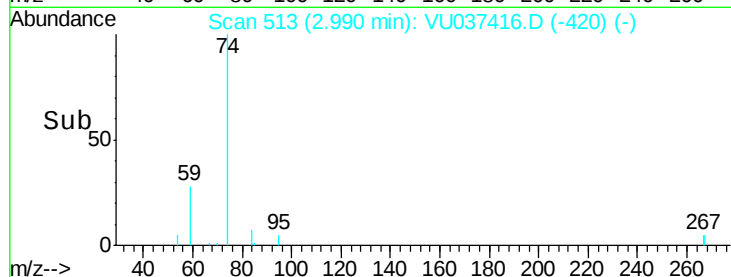
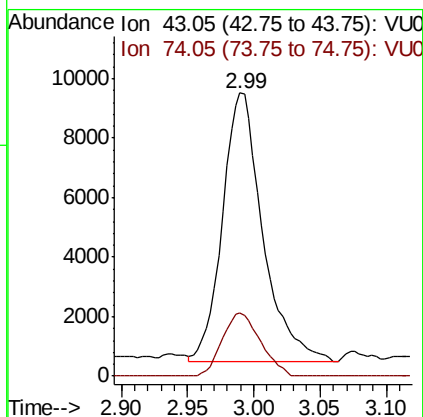
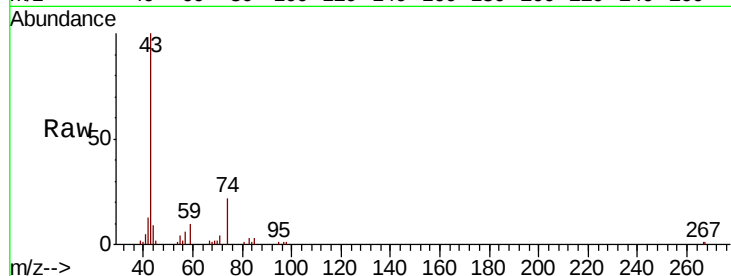




#15
Methyl Acetate
Concen: 4.795 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

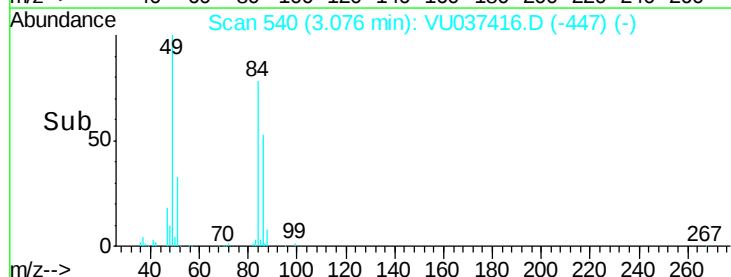
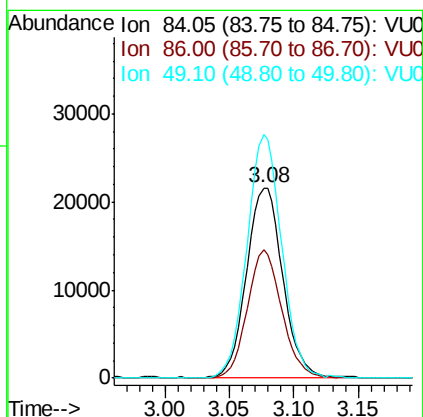
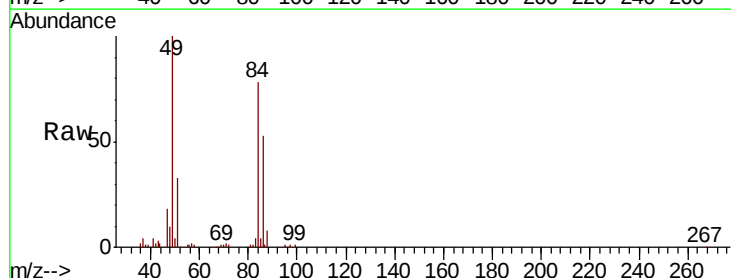
Instrument :
MSVOA_U
ClientSampled :

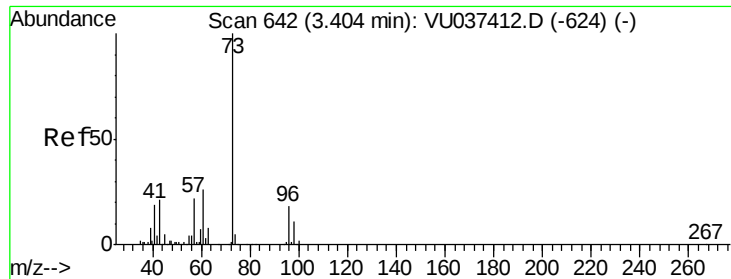
Tot Ion: 43 Resp: 19138
Ion Ratio Lower Upper
43 100
74 22.2 19.8 29.6



#16
Methylene chloride
Concen: 4.683 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Tgt Ion: 84 Resp: 42530
Ion Ratio Lower Upper
84 100
86 67.1 43.6 81.0
49 127.8 86.4 160.4

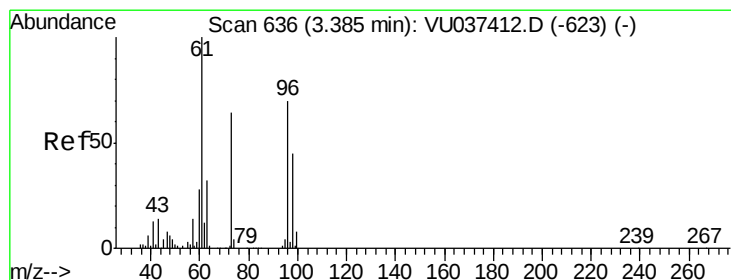
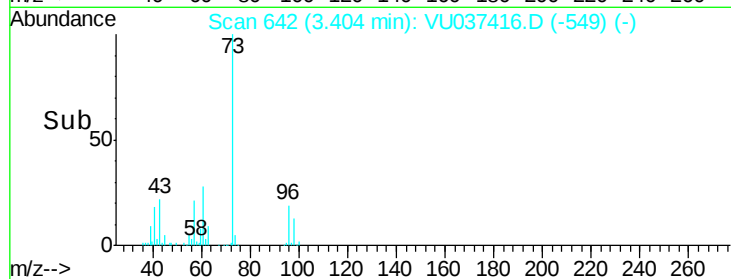
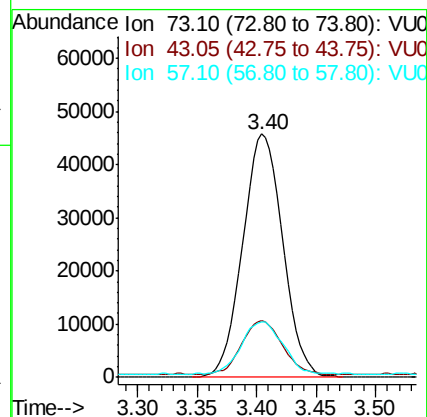
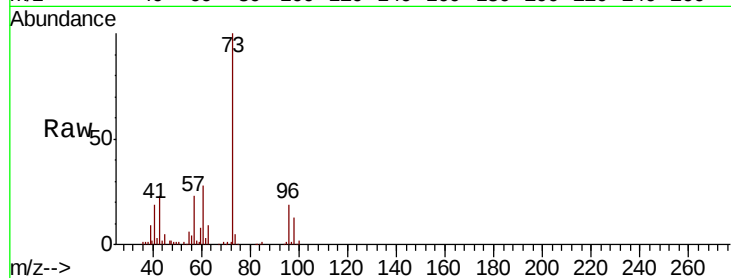




#17
Methvl tert-butvl Ether
Concen: 4.838 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

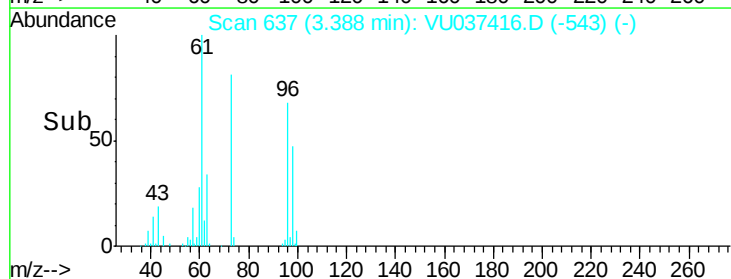
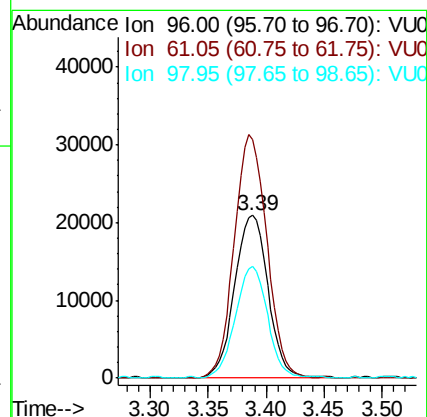
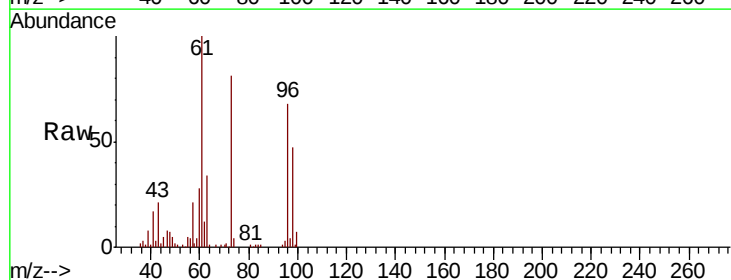
Instrument :
MSVOA_U
ClientSampleId :

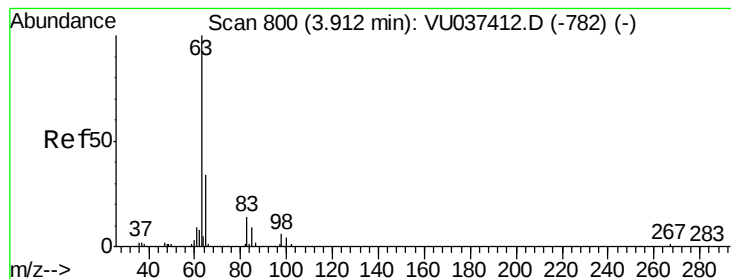
Tot Ion: 73 Resp: 106999
Ion Ratio Lower Upper
73 100
43 22.3 17.4 26.2
57 21.8 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.966 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Tgt Ion: 96 Resp: 42211
Ion Ratio Lower Upper
96 100
61 146.7 99.9 185.5
98 68.4 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.904 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

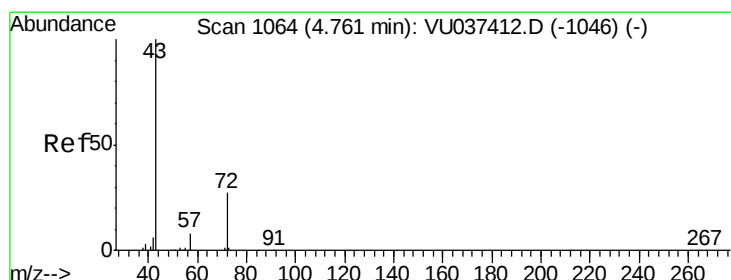
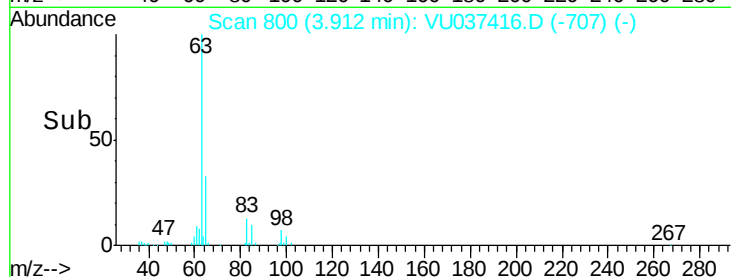
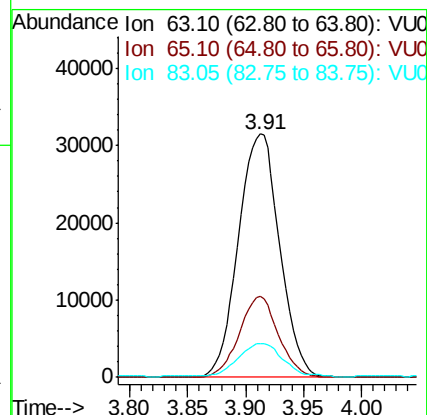
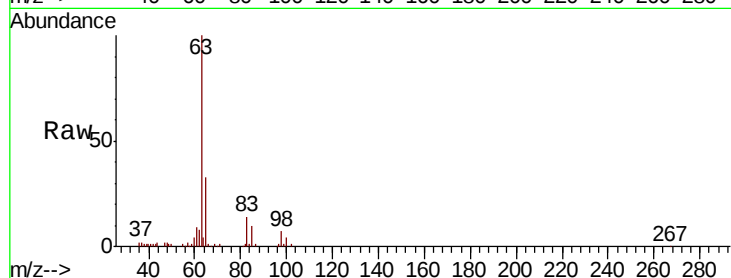
Tot Ion: 63 Resp: 77904

Ion Ratio Lower Upper

63 100

65 34.2 23.7 43.9

83 13.9 10.6 19.6



#21

2-Butanone

Concen: 49.413 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU037416.D

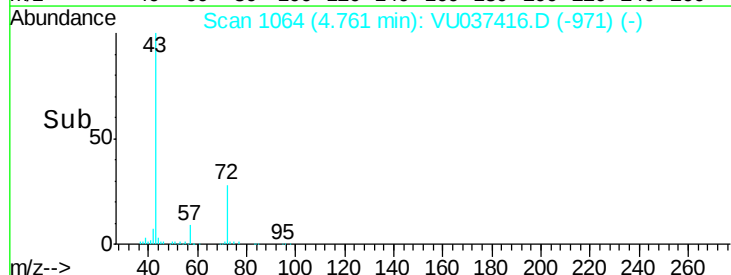
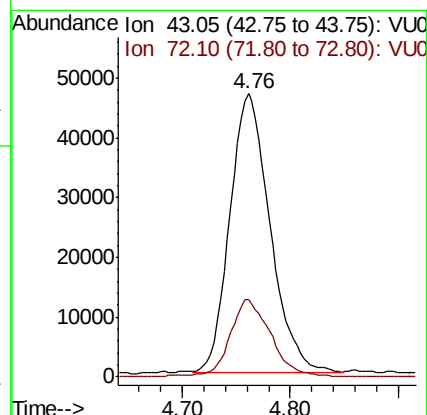
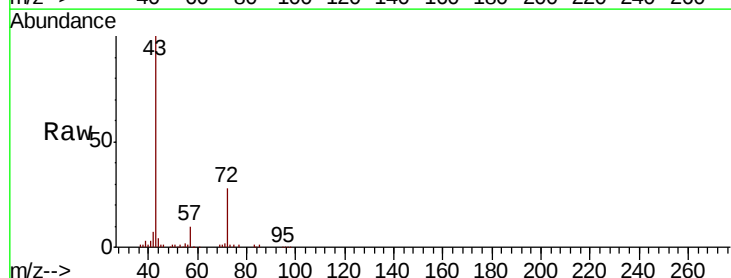
Acq: 28 Mar 2020 13:30

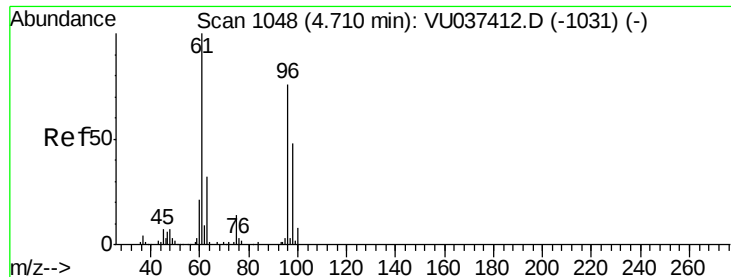
Tgt Ion: 43 Resp: 120009

Ion Ratio Lower Upper

43 100

72 28.4 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 4.738 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

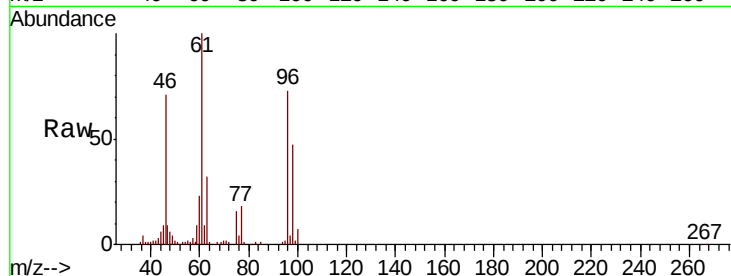
Tot Ion: 96 Resp: 45123

Ion Ratio Lower Upper

96 100

61 136.9 91.6 170.2

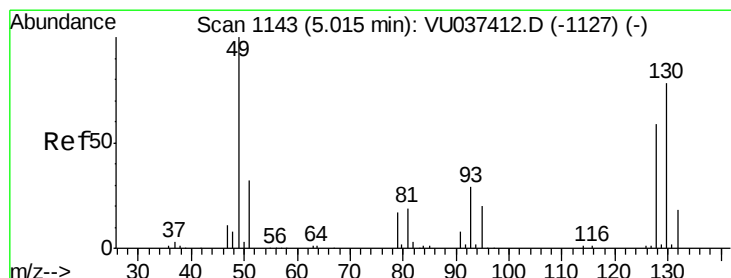
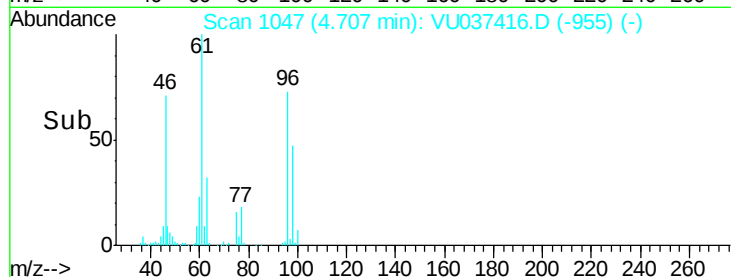
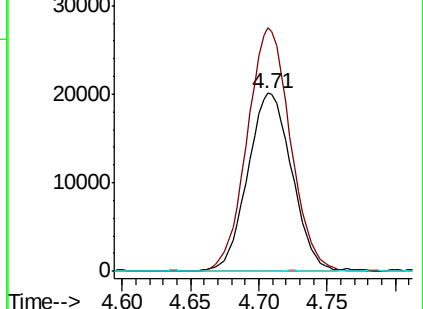
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037416.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU037416.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU037416.D (-1031) (-)



#23

Bromochloromethane

Concen: 4.881 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Tgt Ion: 128 Resp: 20535

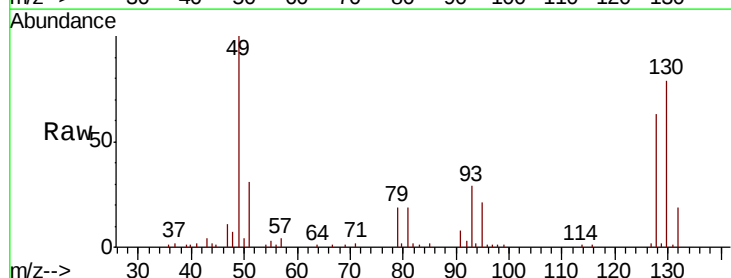
Ion Ratio Lower Upper

128 100

49 158.3 119.1 221.3

130 125.3 92.6 172.0

51 48.7 43.7 65.5

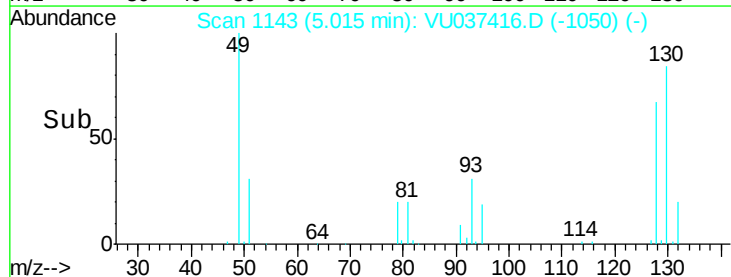
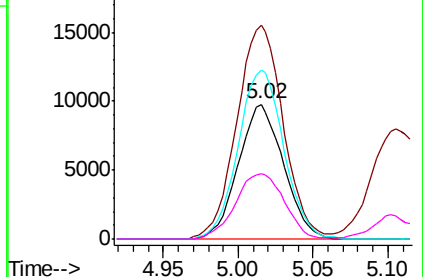


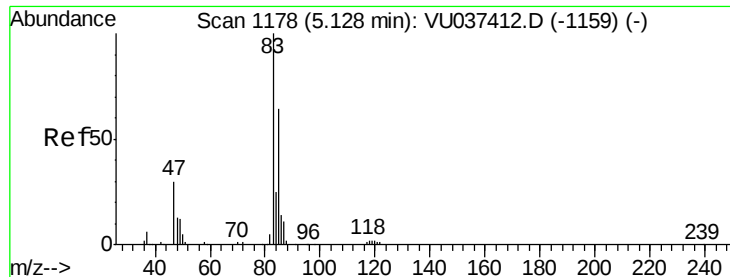
Abundance Ion 127.90 (127.60 to 128.60): VU037416.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU037416.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037416.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037416.D (-1050) (-)

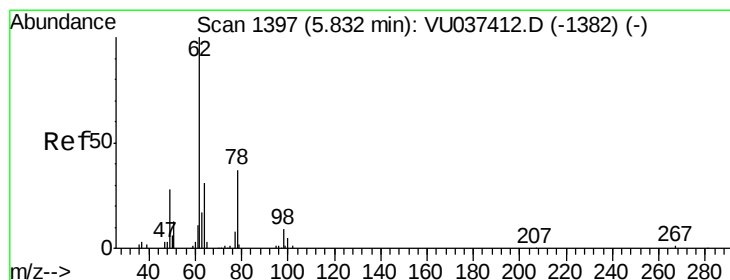
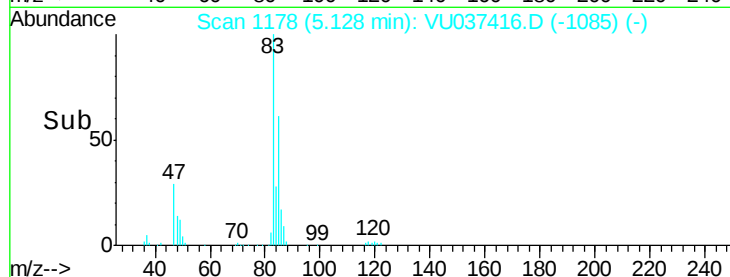
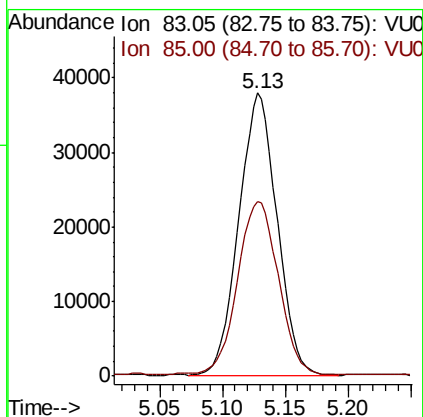
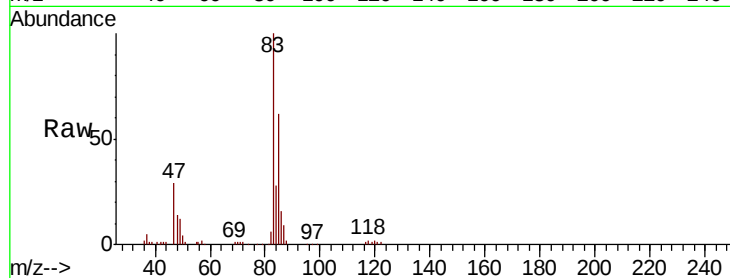




#25
Chloroform
Concen: 4.848 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

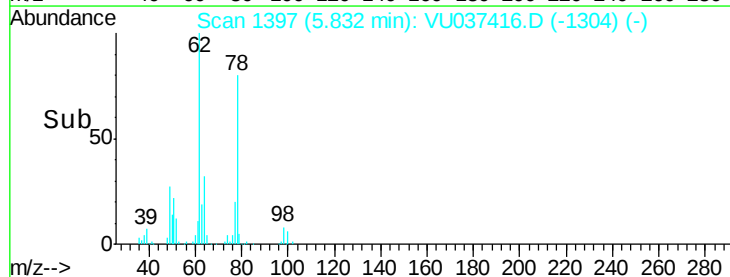
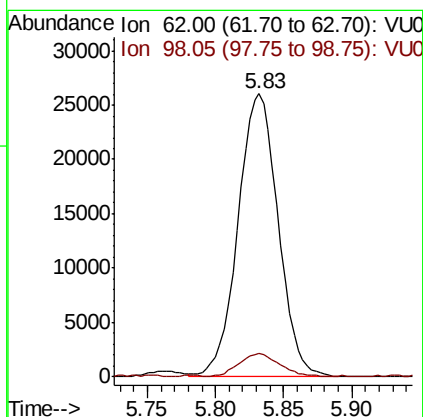
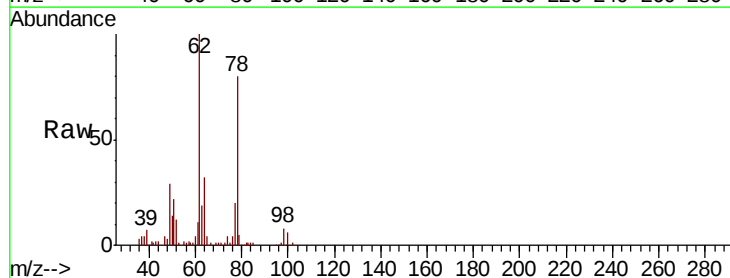
Instrument :
MSVOA_U
ClientSampleId :

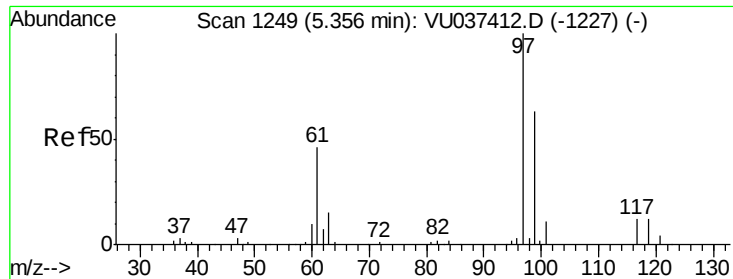
Tot Ion: 83 Resp: 81011
Ion Ratio Lower Upper
83 100
85 61.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.768 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Tgt Ion: 62 Resp: 53223
Ion Ratio Lower Upper
62 100
98 8.2 7.3 10.9

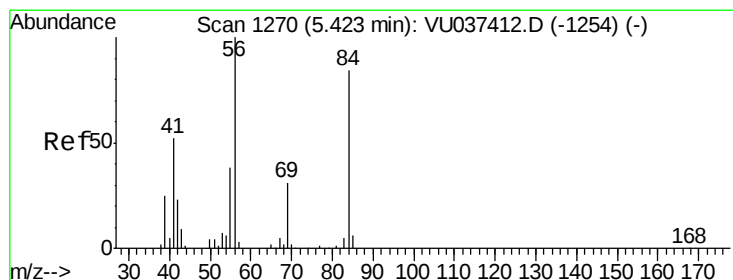
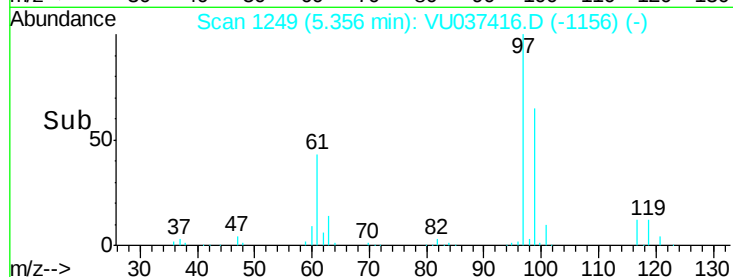
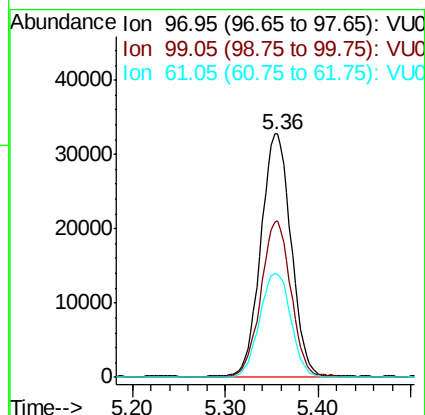
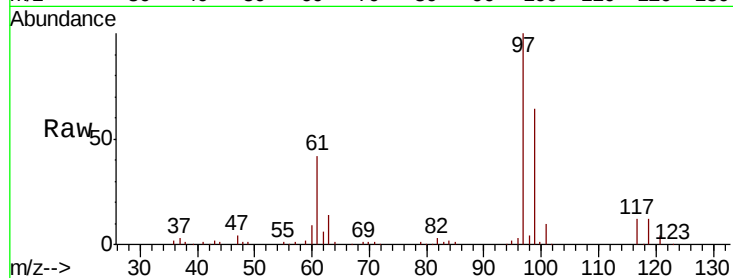




#29
 1,1,1-Trichloroethane
 Concen: 5.074 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

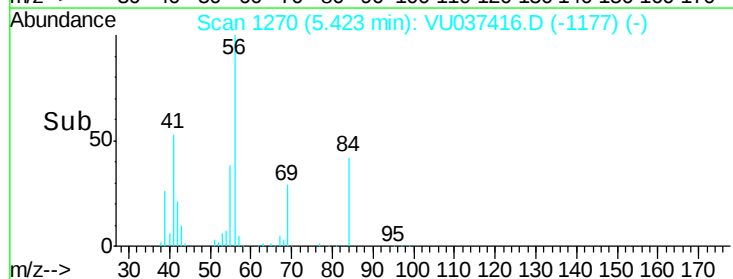
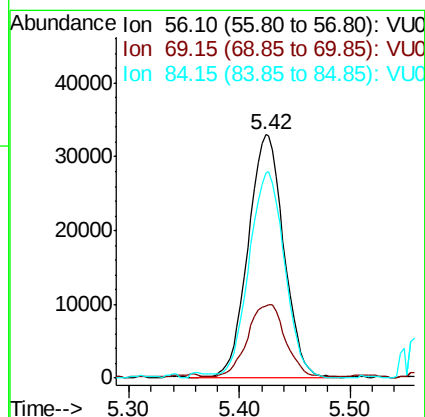
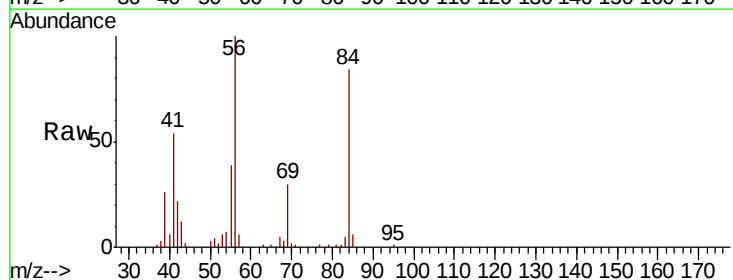
Instrument :
 MSVOA_U
 ClientSampleId :

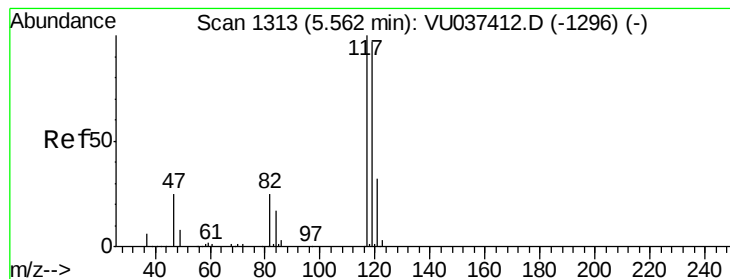
Tot Ion: 97 Resp: 75091
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.0 76.6
 61 43.7 36.7 55.1



#30
 Cyclohexane
 Concen: 4.840 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Tgt Ion: 56 Resp: 73401
 Ion Ratio Lower Upper
 56 100
 69 31.2 25.7 38.5
 84 85.6 67.1 100.7





#31

Carbon tetrachloride

Concen: 4.863 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

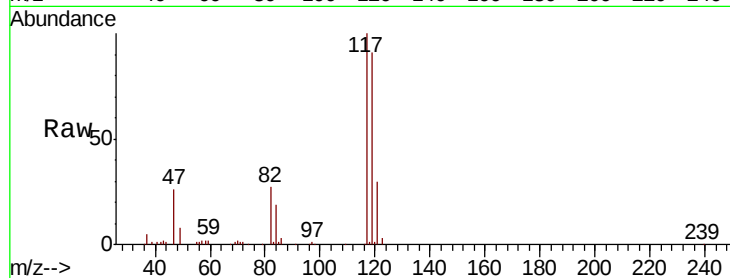
ClientSampleId :

Tot Ion:117 Resp: 62131

Ion Ratio Lower Upper

117 100

119 94.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

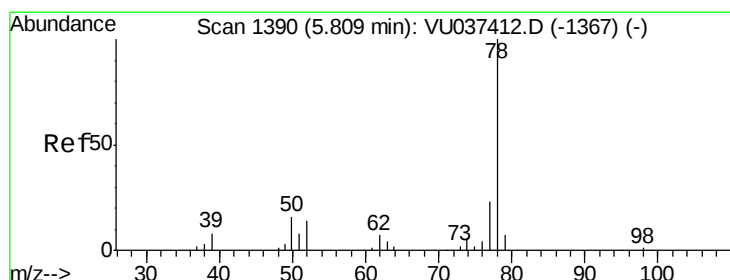
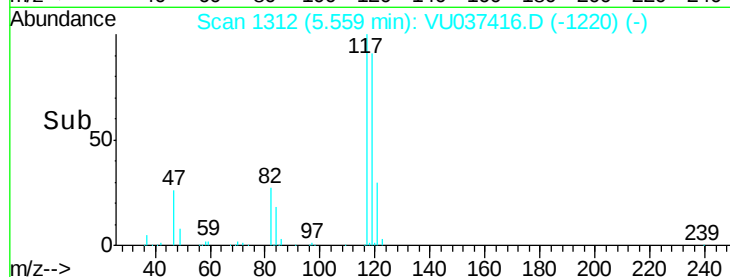
30000

20000

10000

0

Time-->



#33

Benzene

Concen: 4.827 ug/L

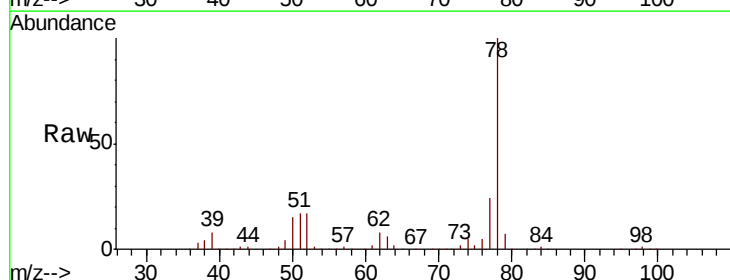
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Tgt Ion: 78 Resp: 168316



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

80000

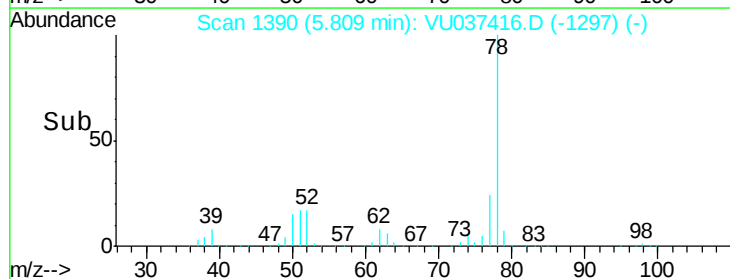
60000

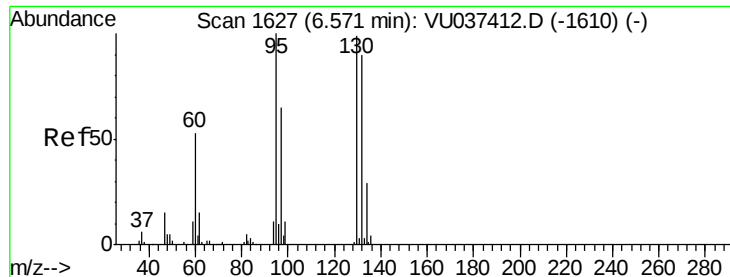
40000

20000

0

Time-->

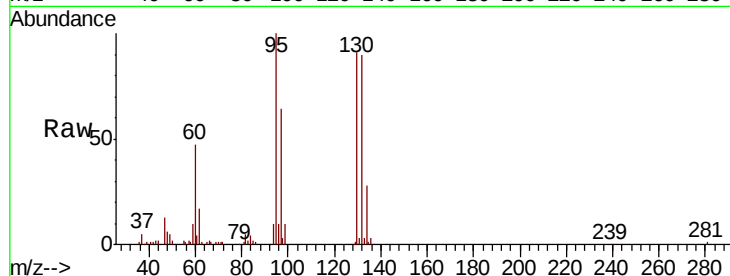




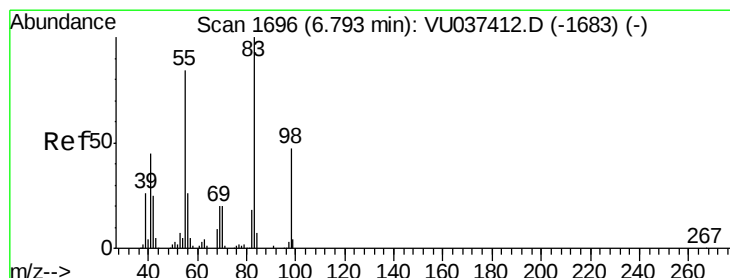
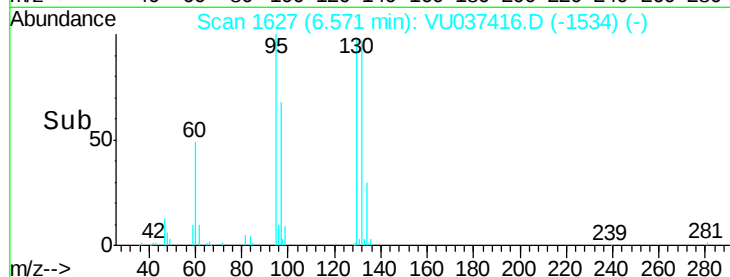
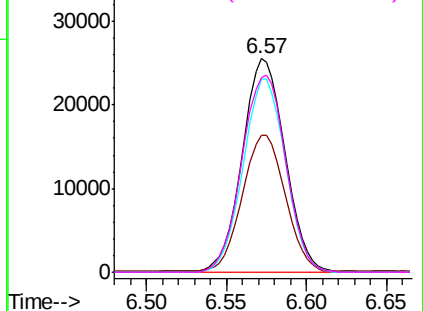
#34
 Trichloroethene
 Concen: 4.712 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	46796
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.3	84.1
132	90.3	62.7	116.5
130	91.2	69.1	128.3

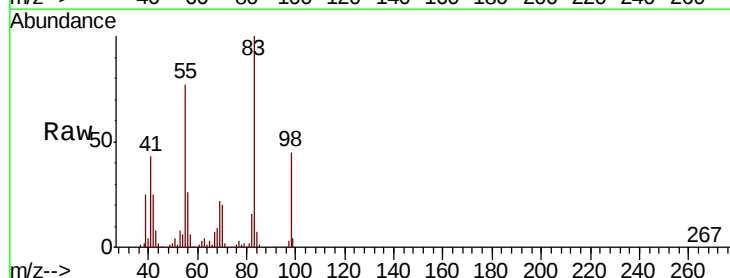


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

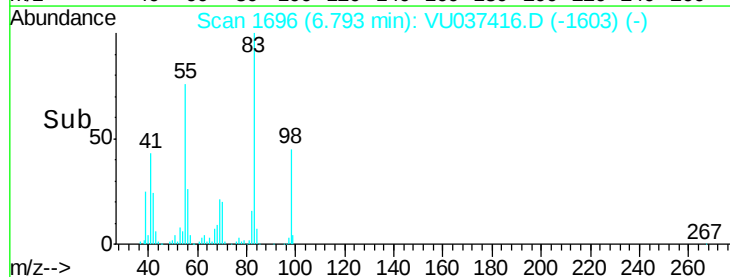
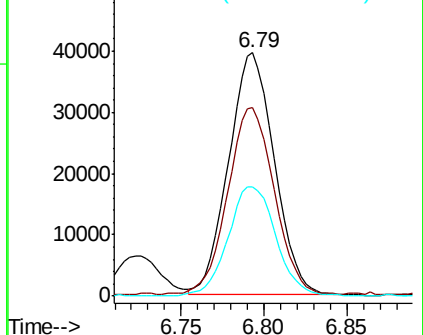


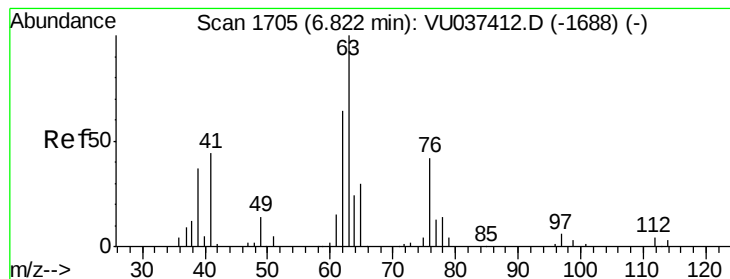
#35
 Methylcyclohexane
 Concen: 4.816 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Tgt Ion:	83	Resp:	75686
Ion	Ratio	Lower	Upper
83	100		
55	78.3	64.2	96.4
98	47.6	36.3	54.5



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: 5.000 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

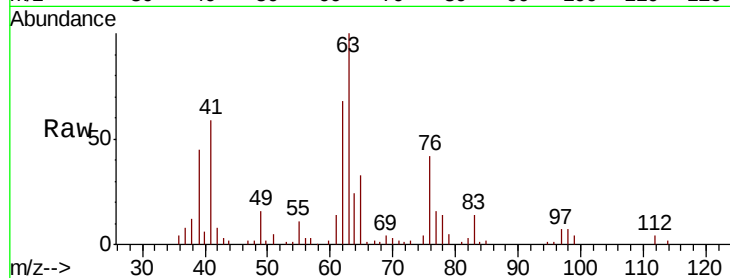
ClientSampled :

Tot Ion: 63 Resp: 45067

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU037416.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037416.D (-1612) (-)

6.82

25000

20000

15000

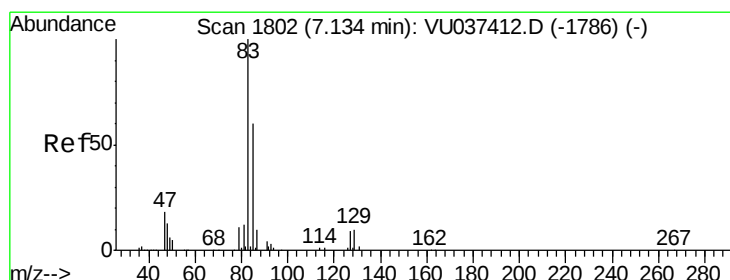
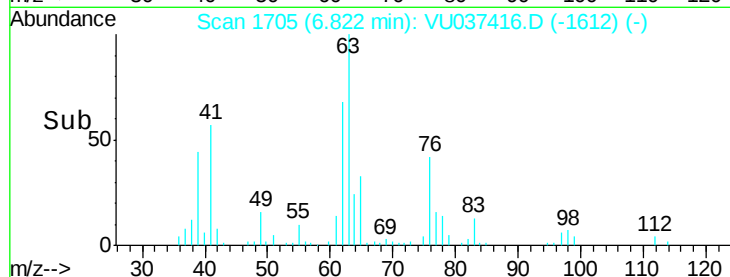
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.820 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

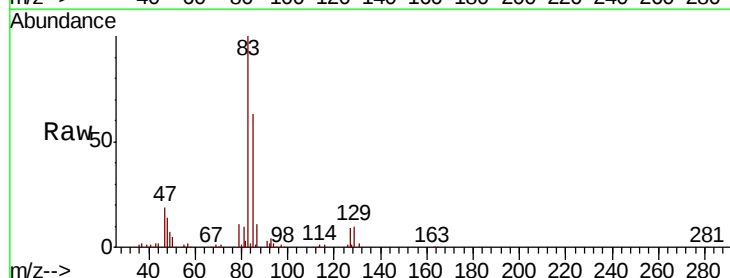
Tgt Ion: 83 Resp: 59408

Ion Ratio Lower Upper

83 100

85 63.1 42.4 78.8

127 8.6 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU037416.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037416.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU037416.D (-1709) (-)

7.14

40000

30000

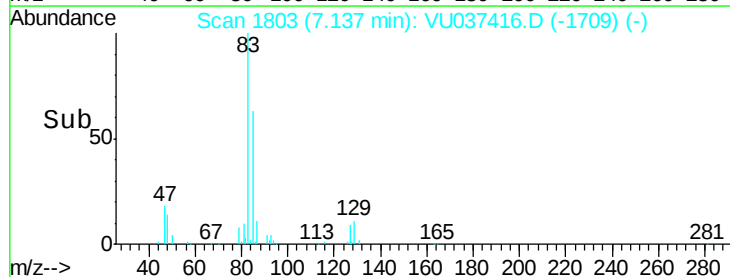
20000

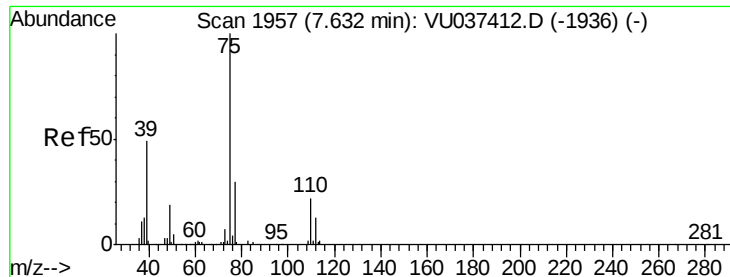
10000

0

7.05 7.10 7.15 7.20

Time-->





#39

cis-1,3-Dichloropropene

Concen: 4.984 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

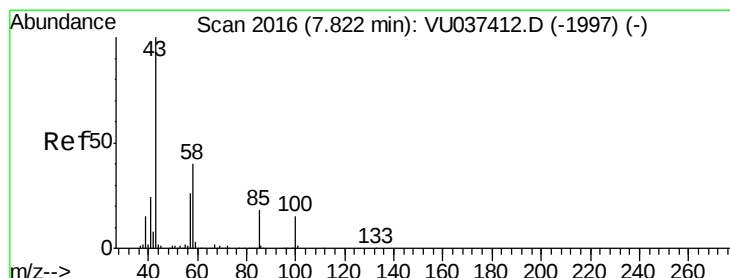
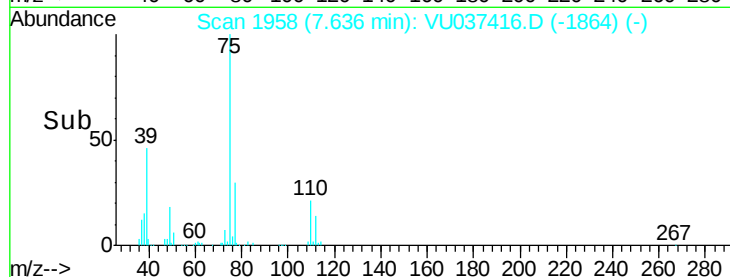
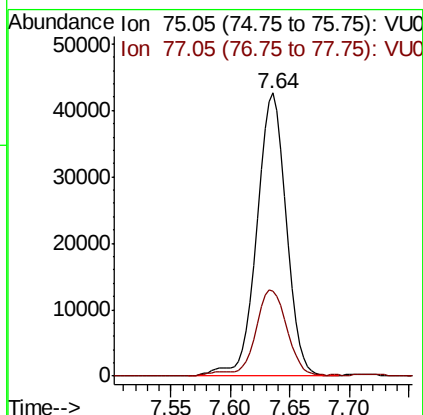
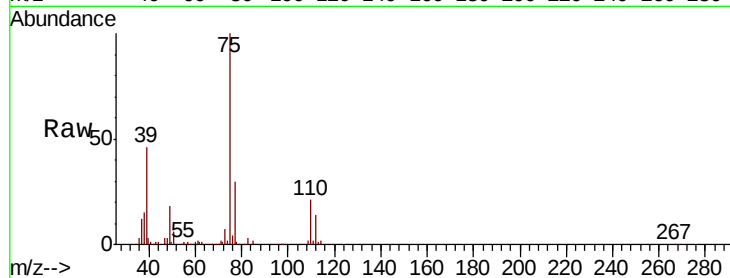
ClientSampleId :

Tot Ion: 75 Resp: 73253

Ion Ratio Lower Upper

75 100

77 30.1 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 49.634 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

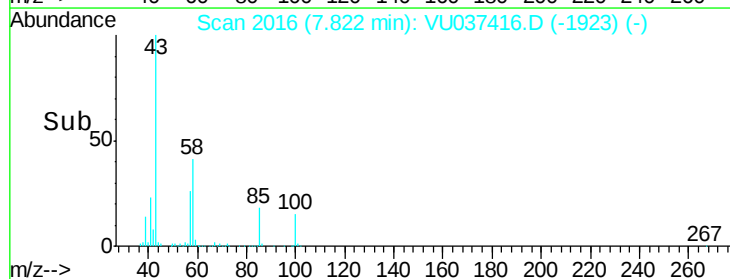
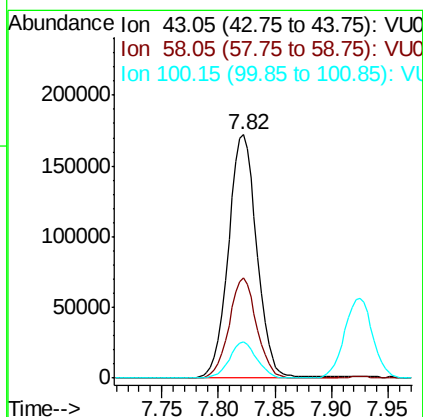
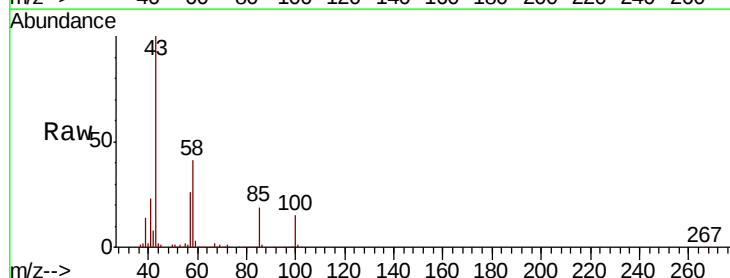
Tgt Ion: 43 Resp: 297853

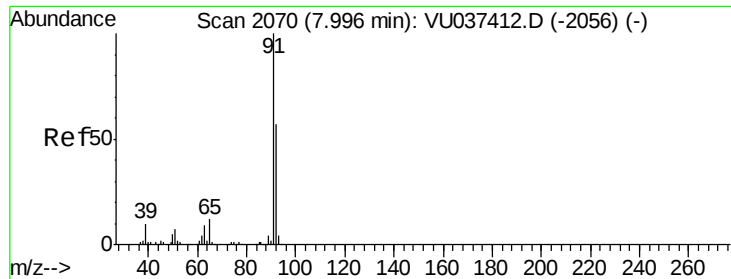
Ion Ratio Lower Upper

43 100

58 40.3 32.1 48.1

100 14.5 11.6 17.4





#42

Toluene

Concen: 4.926 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

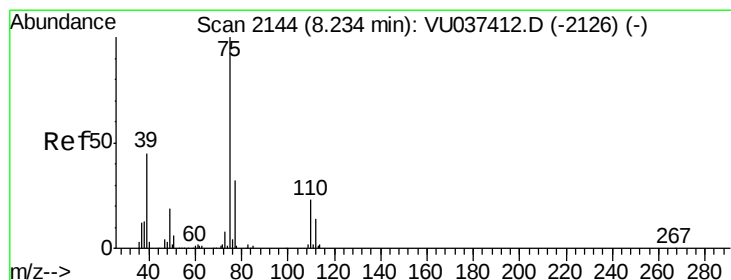
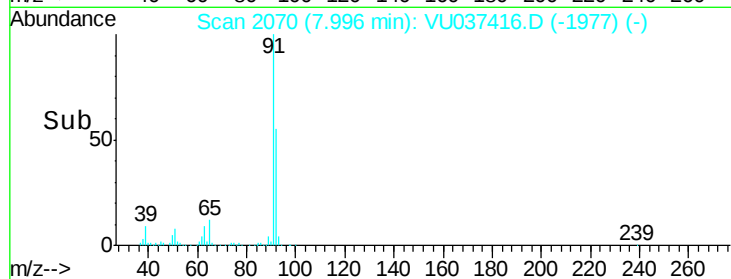
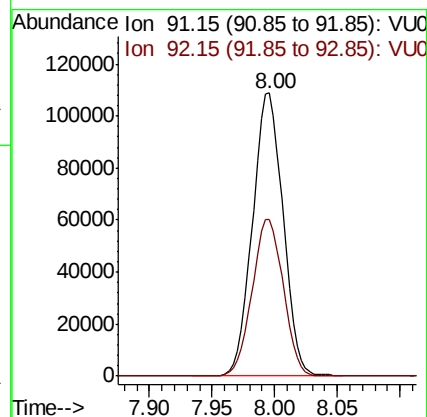
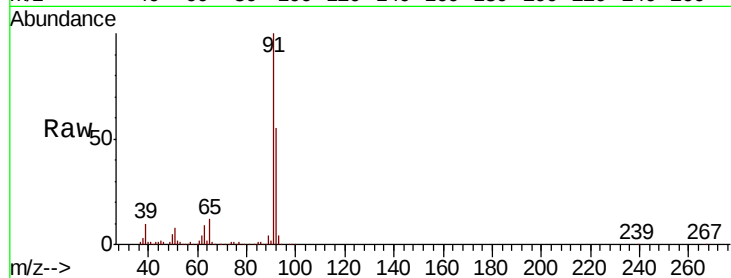
ClientSampleId :

Tot Ion: 91 Resp: 185110

Ion Ratio Lower Upper

91 100

92 55.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.958 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037416.D

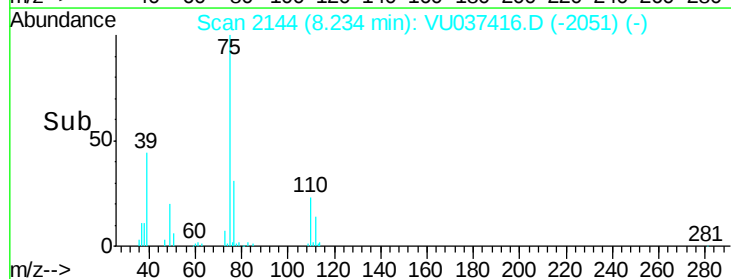
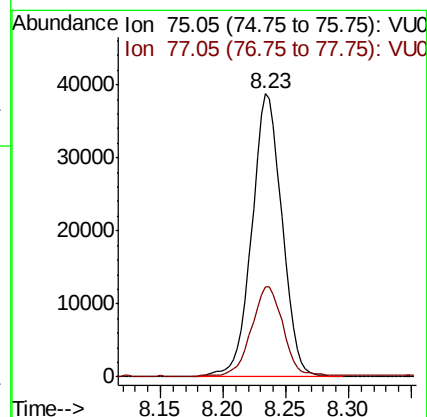
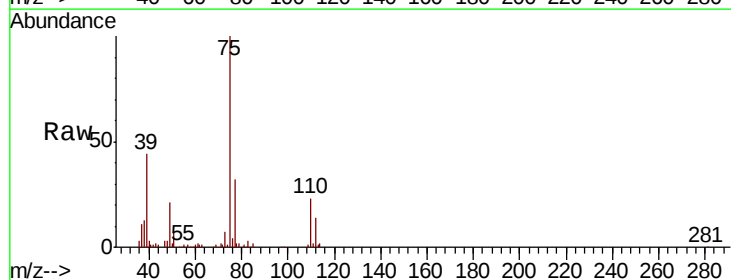
Acq: 28 Mar 2020 13:30

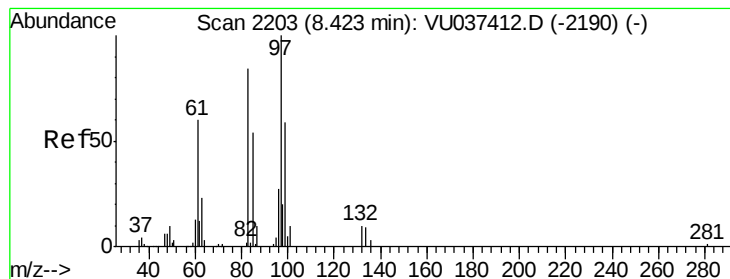
Tgt Ion: 75 Resp: 65144

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 4.718 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 31807

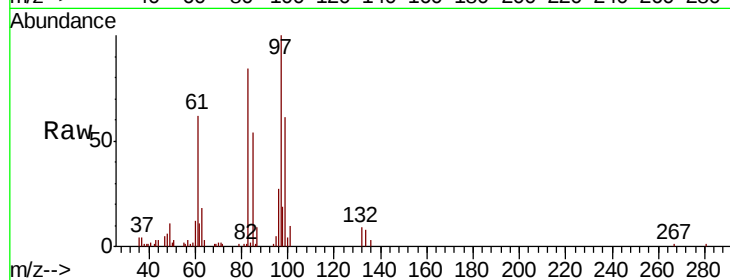
Ion Ratio Lower Upper

97 100

99 60.8 41.1 76.3

83 83.5 58.7 108.9

85 53.6 38.2 71.0



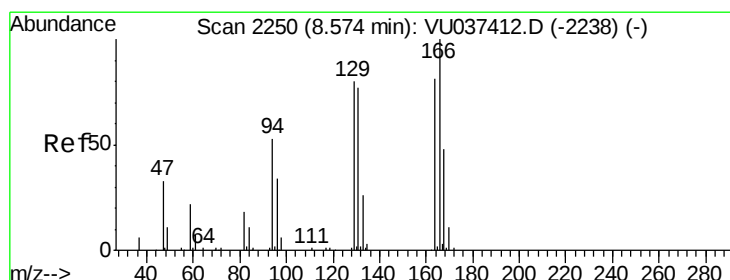
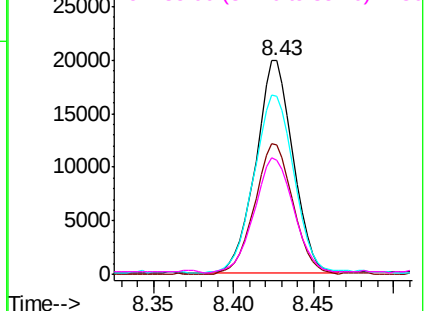
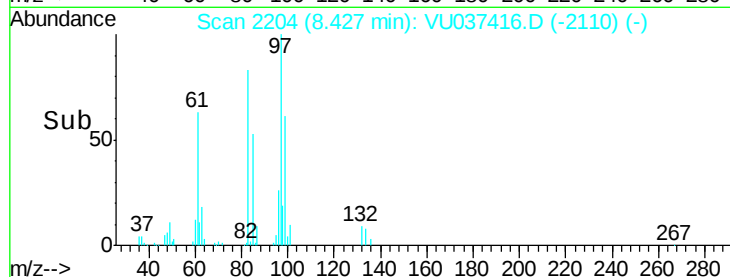
Abundance

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: 4.838 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Tgt Ion: 164 Resp: 33092

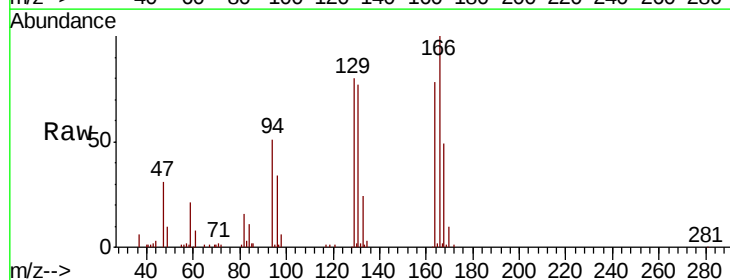
Ion Ratio Lower Upper

164 100

129 102.7 68.8 127.8

131 98.6 66.9 124.3

166 128.2 86.3 160.3



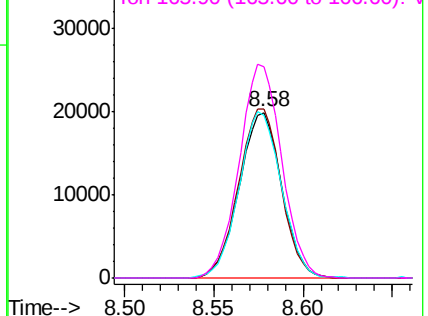
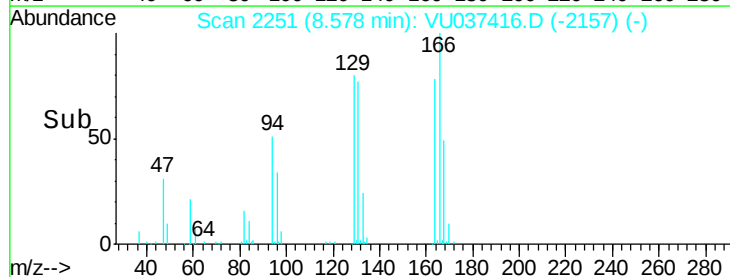
Abundance

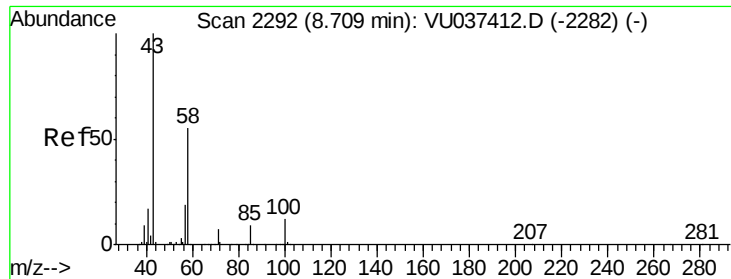
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

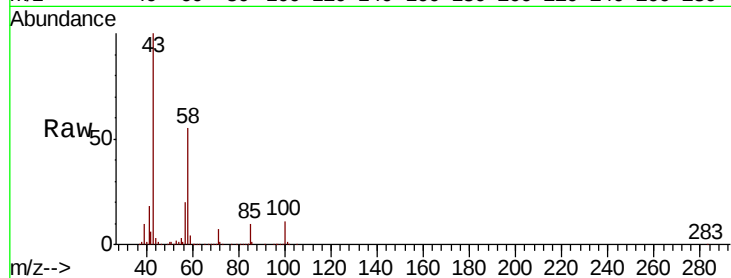




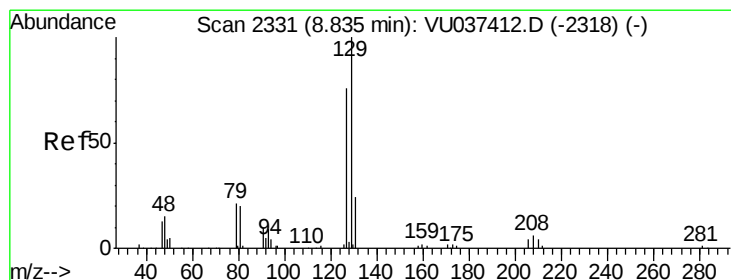
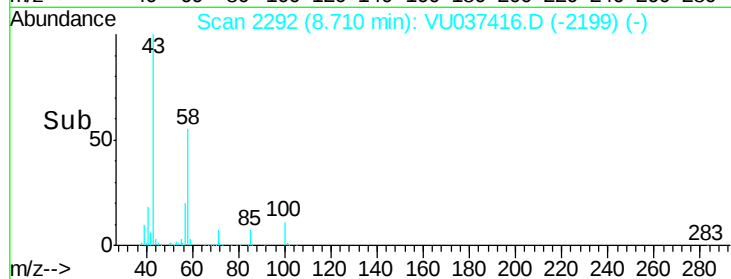
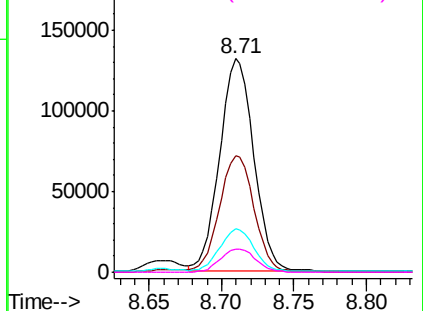
#48
2-Hexanone
Concen: 49.735 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	215125
Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.2	66.2
57	20.1	15.3	22.9
100	11.3	9.4	14.0

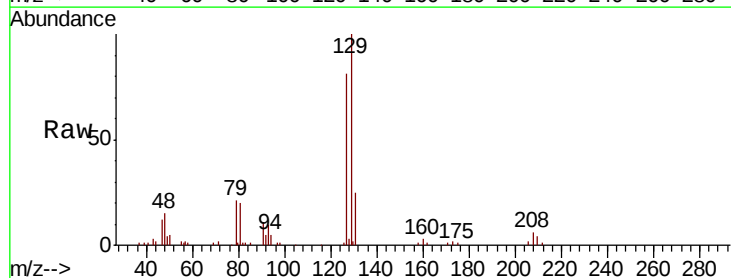


Abundance Ion 43.05 (42.75 to 43.75): VU037416.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VU037416.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VU037416.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VU037416.D (-2199) (-)

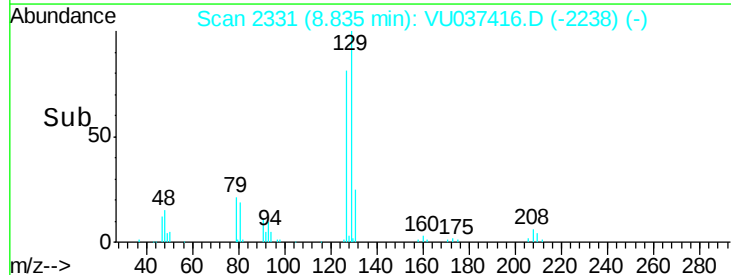
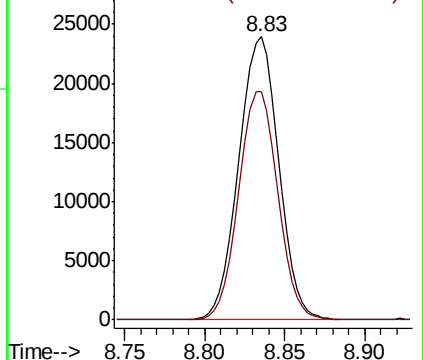


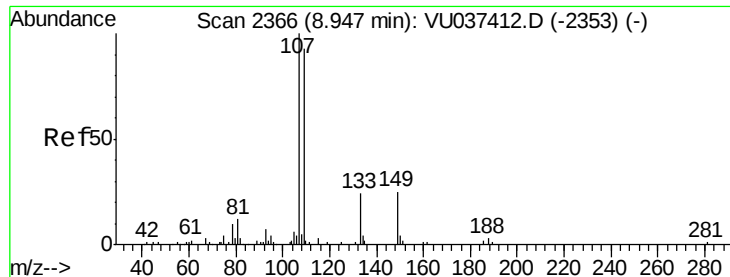
#49
Dibromochloromethane
Concen: 4.905 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Tgt Ion:	129	Resp:	40810
Ion	Ratio	Lower	Upper
129	100		
127	80.8	53.5	99.3



Abundance Ion 128.95 (128.65 to 129.65): VU037416.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU037416.D (-2238) (-)

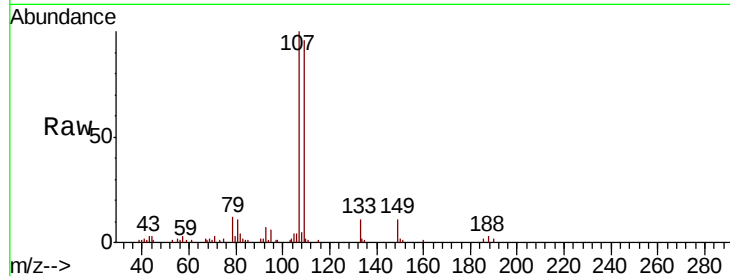




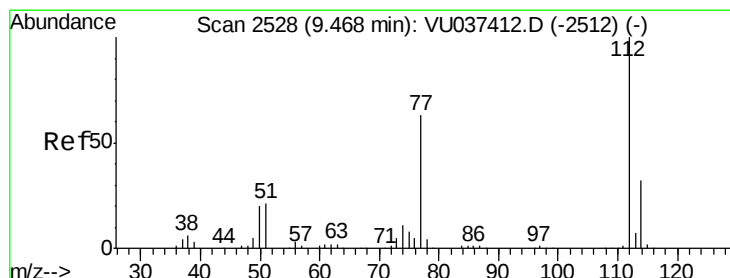
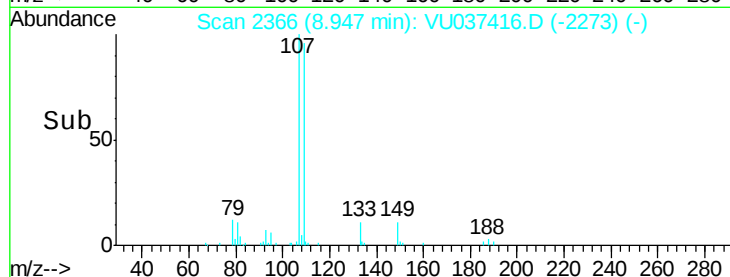
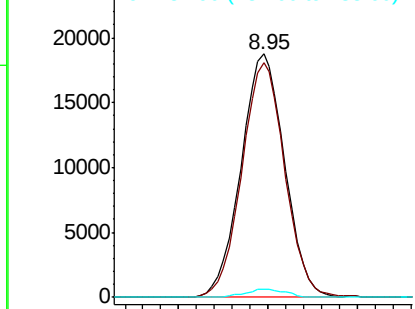
#50
 1,2-Dibromoethane
 Concen: 4.883 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:107 Resp: 31953
 Ion Ratio Lower Upper
 107 100
 109 96.1 64.8 120.4
 188 3.5 2.6 4.0

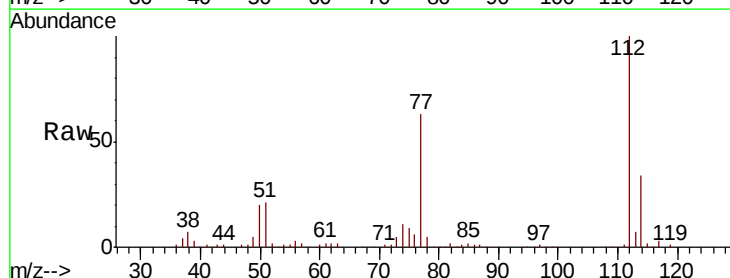


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

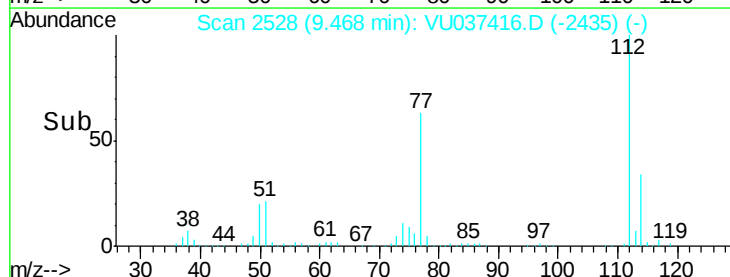
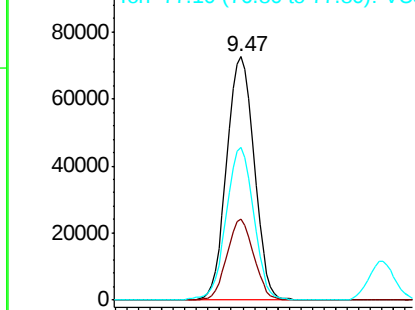


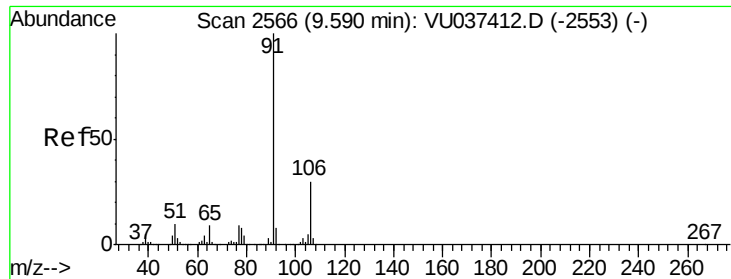
#51
 Chlorobenzene
 Concen: 4.595 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Tgt Ion:112 Resp: 119280
 Ion Ratio Lower Upper
 112 100
 114 33.5 22.4 41.6
 77 62.9 50.5 75.7



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: 4.943 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

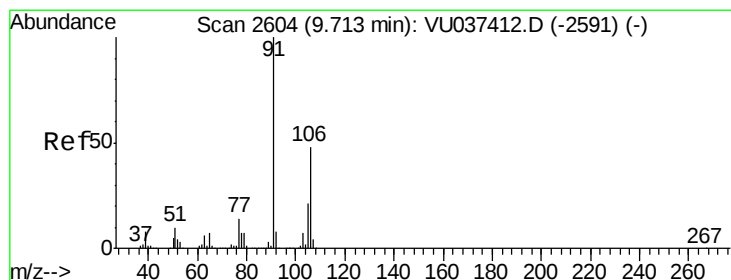
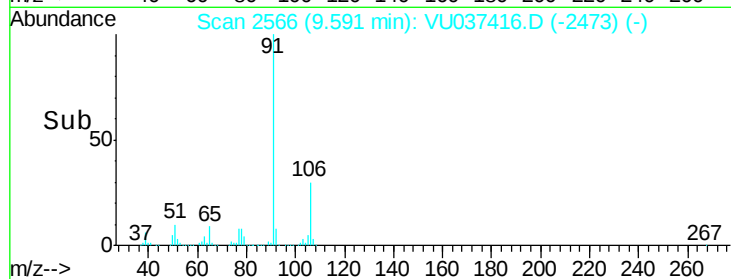
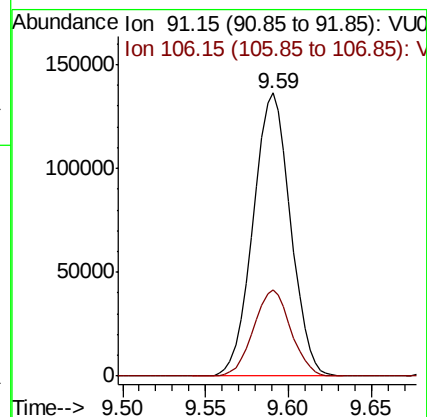
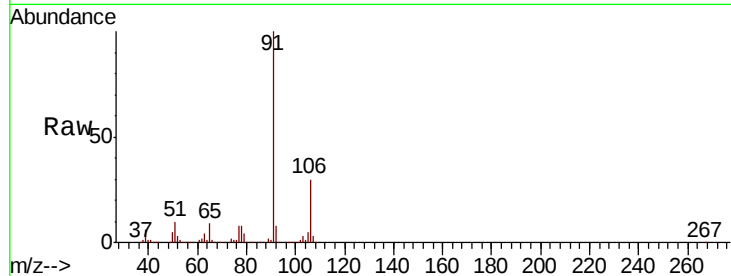
ClientSampled :

Tot Ion: 91 Resp: 213172

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#53

m,p-Xylene

Concen: 4.888 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037416.D

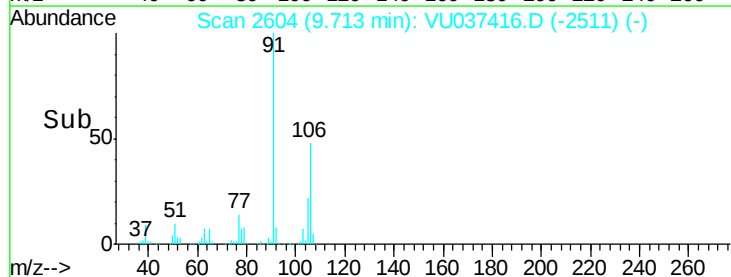
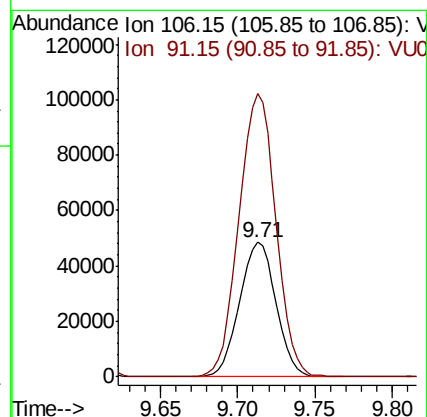
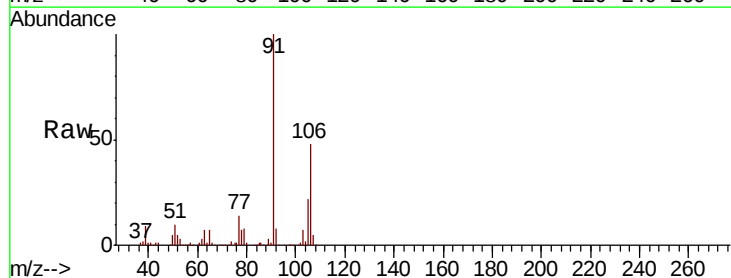
Acq: 28 Mar 2020 13:30

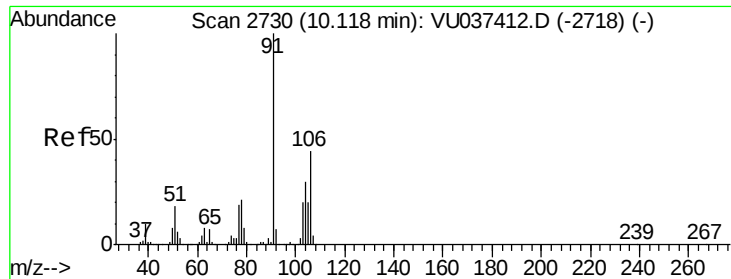
Tgt Ion: 106 Resp: 79636

Ion Ratio Lower Upper

106 100

91 210.2 147.3 273.6

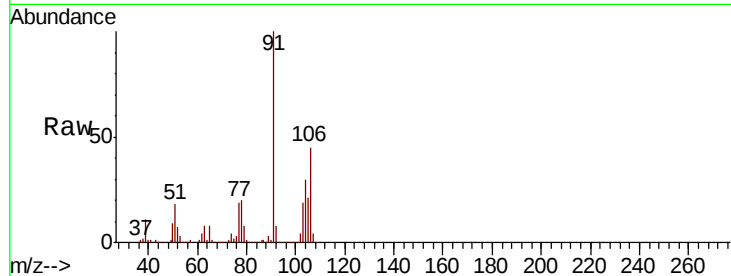




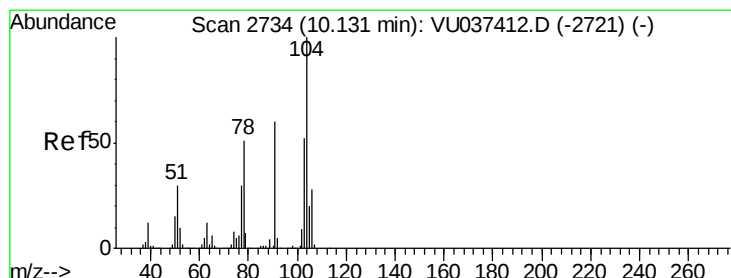
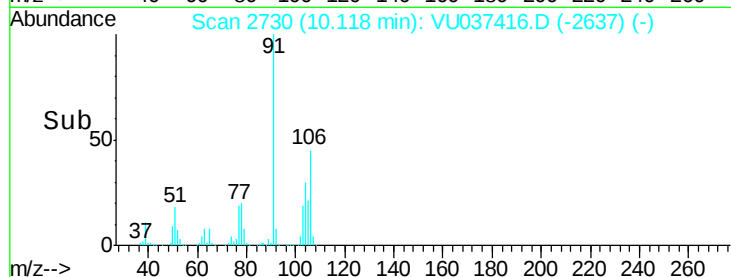
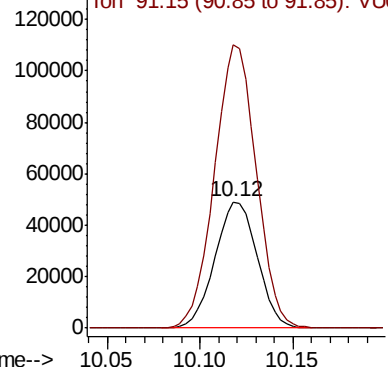
#54
o-Xylene
Concen: 4.901 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 77934
Ion Ratio Lower Upper
106 100
91 224.1 157.7 292.9

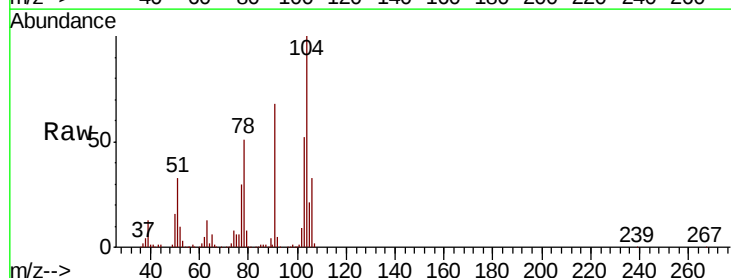


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

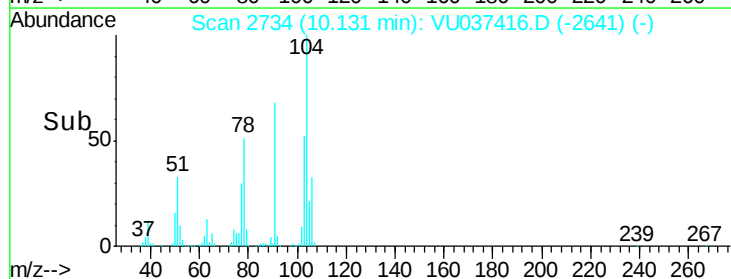
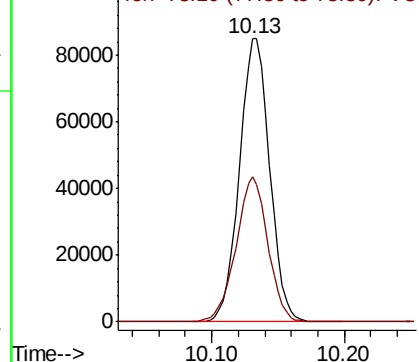


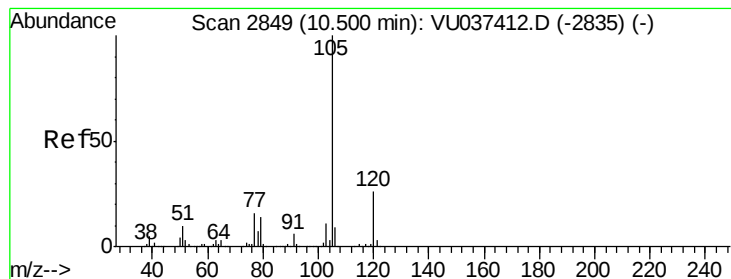
#55
Styrene
Concen: 4.948 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037416.D
Acq: 28 Mar 2020 13:30

Tgt Ion:104 Resp: 134447
Ion Ratio Lower Upper
104 100
78 51.4 35.8 66.6



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





#56

Isopropylbenzene

Concen: 4.929 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

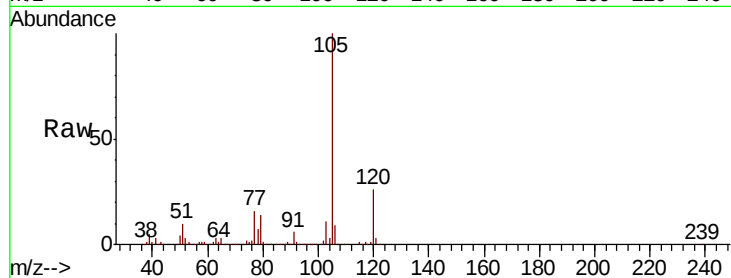
Tot Ion:105 Resp: 208845

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

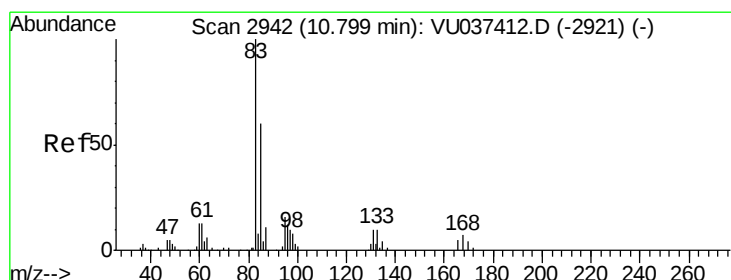
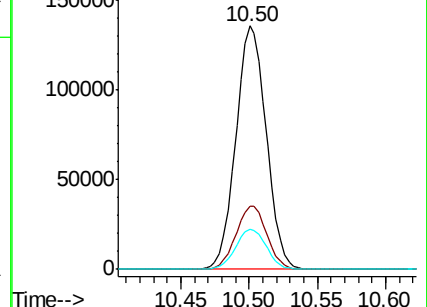
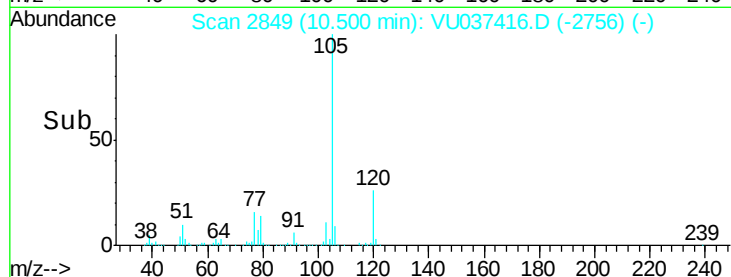
77 16.7 13.4 20.0



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: 5.036 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

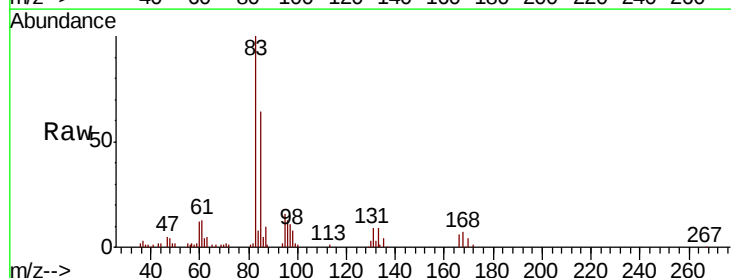
Tgt Ion: 83 Resp: 43334

Ion Ratio Lower Upper

83 100

85 63.7 42.9 79.7

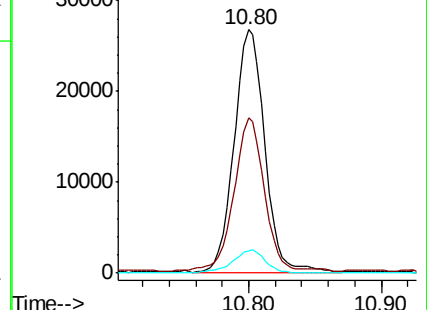
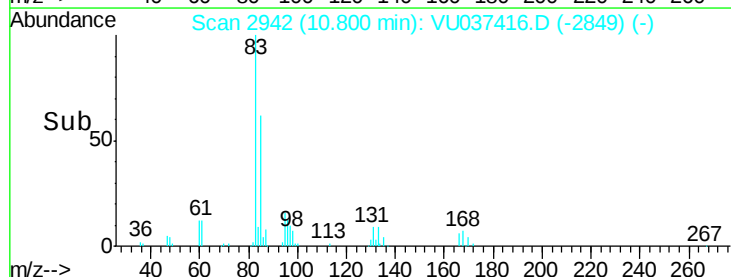
131 9.3 8.1 12.1

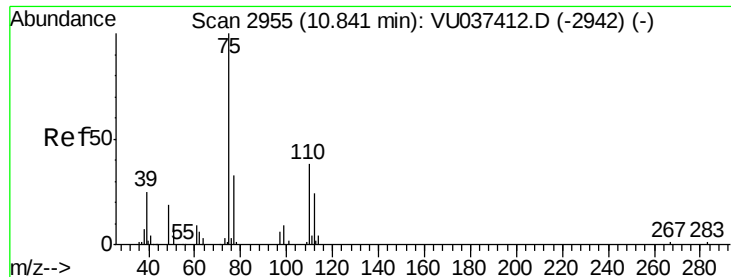


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.878 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

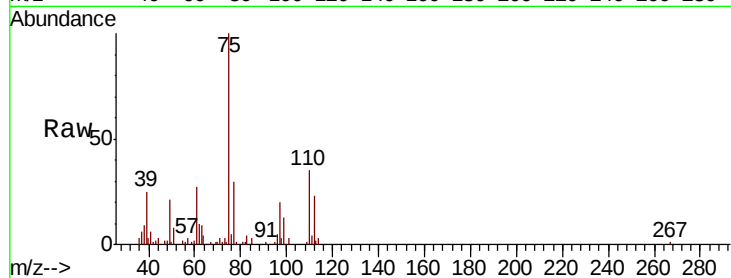
ClientSampleId :

Tot Ion: 75 Resp: 30583

Ion Ratio Lower Upper

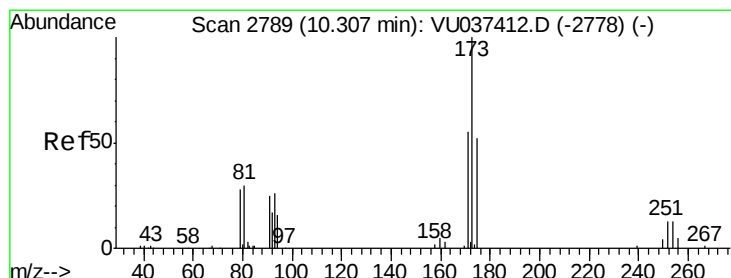
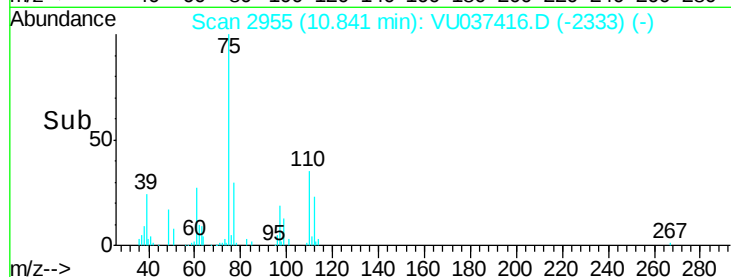
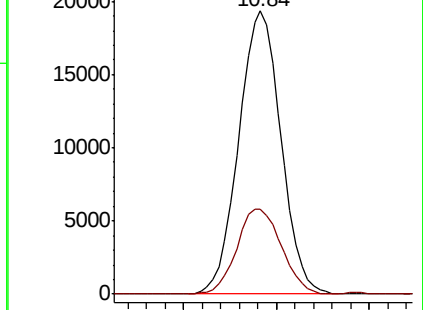
75 100

77 31.8 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU037416.D (-2333) (-)

Ion 77.00 (76.70 to 77.70): VU037416.D (-2333) (-)



#61

Bromoform

Concen: 4.891 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

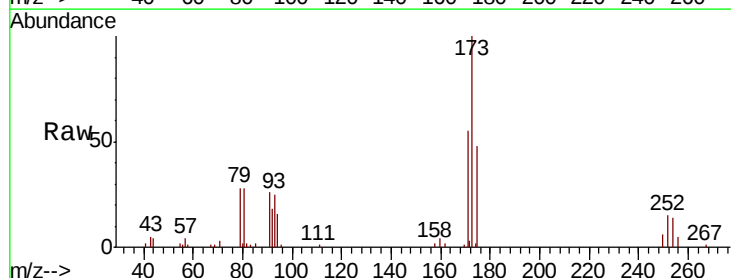
Tgt Ion: 173 Resp: 25144

Ion Ratio Lower Upper

173 100

175 46.5 40.2 60.4

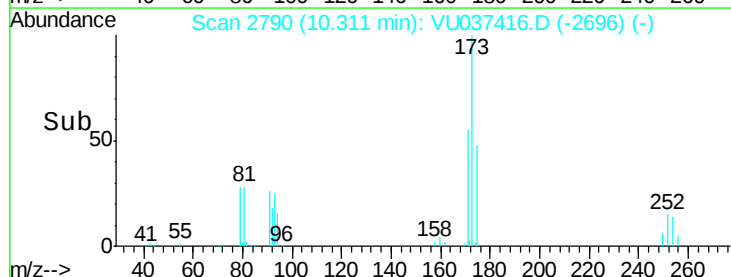
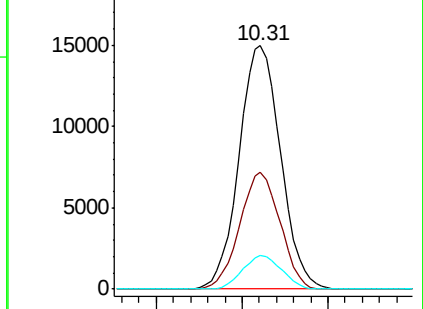
254 12.8 11.4 17.2

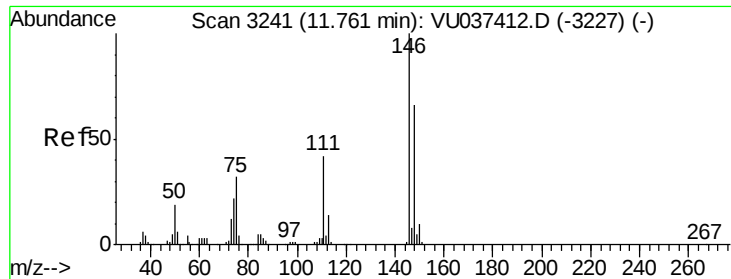


Abundance Ion 172.90 (172.60 to 173.60): VU037416.D (-2696) (-)

Ion 174.90 (174.60 to 175.60): VU037416.D (-2696) (-)

Ion 253.75 (253.45 to 254.45): VU037416.D (-2696) (-)

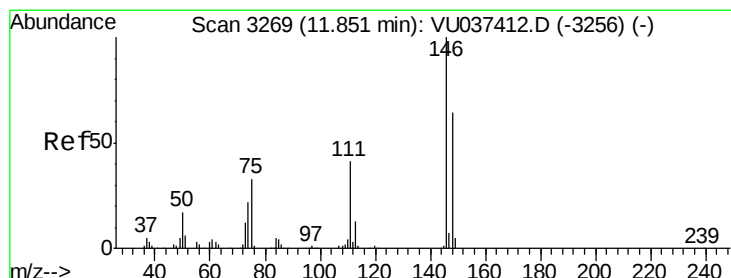
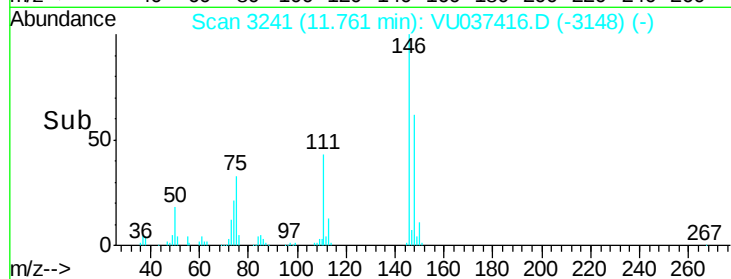
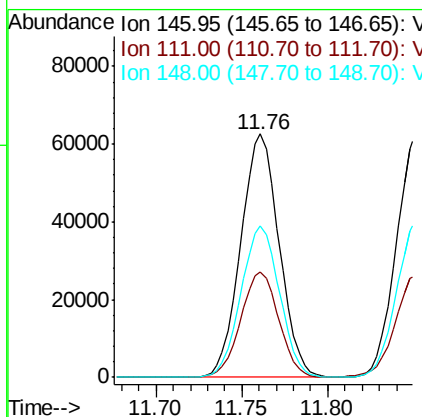
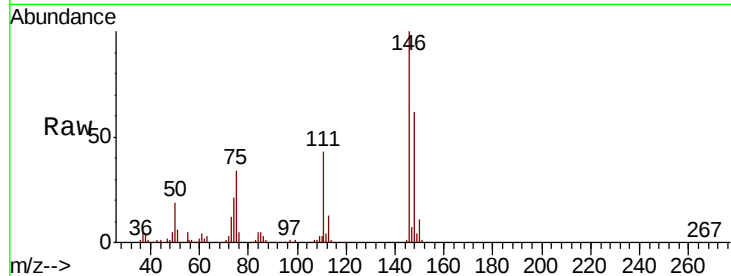




#62
 1,3-Dichlorobenzene
 Concen: 4.876 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

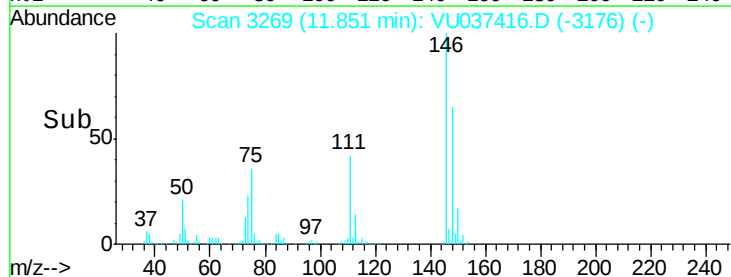
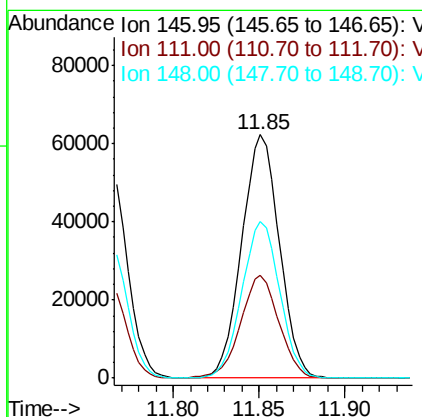
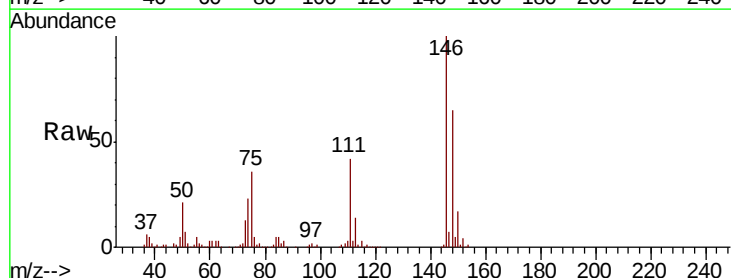
Instrument :
 MSVOA_U
 ClientSampleId :

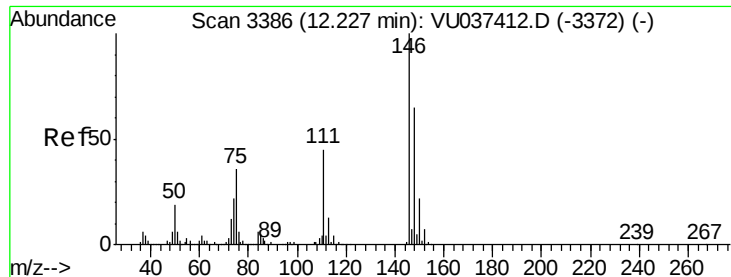
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	29.4	54.6
148	62.1	46.1	85.5



#63
 1,4-Dichlorobenzene
 Concen: 4.473 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.8	53.6
148	64.5	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 4.689 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

ClientSampled :

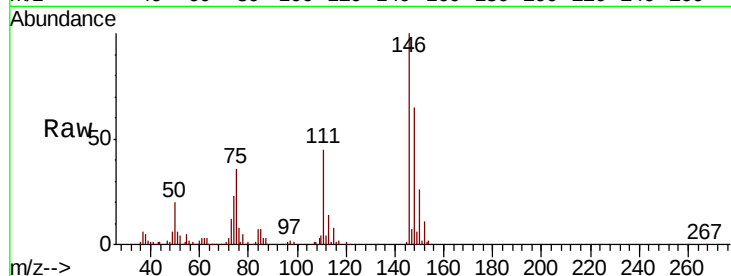
Tot Ion:146 Resp: 90041

Ion Ratio Lower Upper

146 100

111 45.2 36.2 54.2

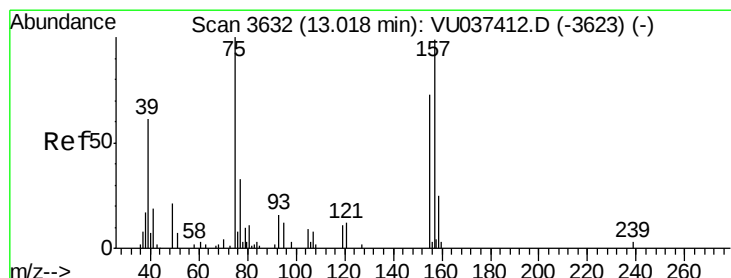
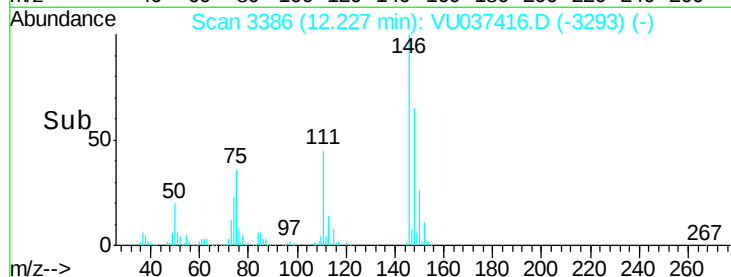
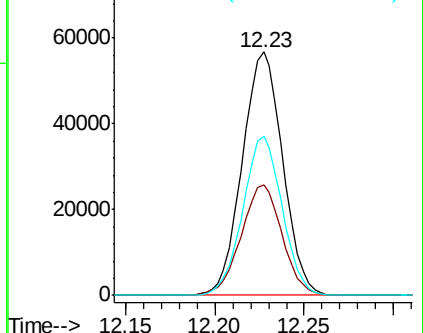
148 65.2 52.1 78.1



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: 5.477 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

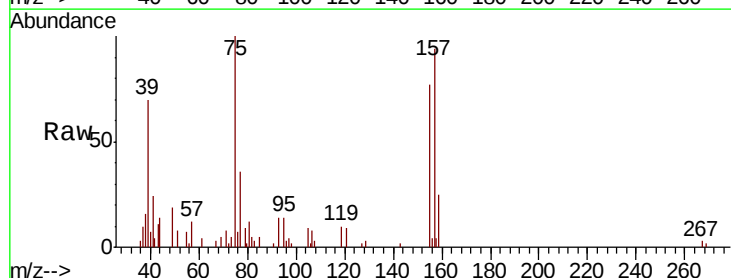
Tgt Ion: 75 Resp: 9253

Ion Ratio Lower Upper

75 100

155 77.1 56.0 84.0

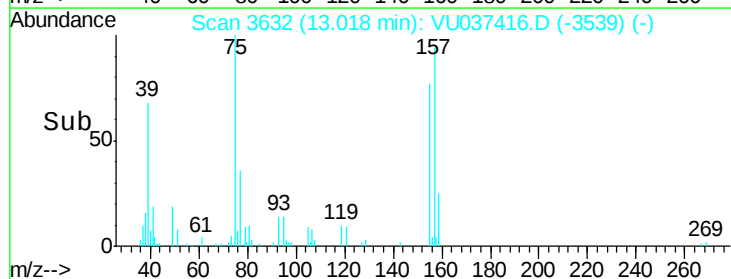
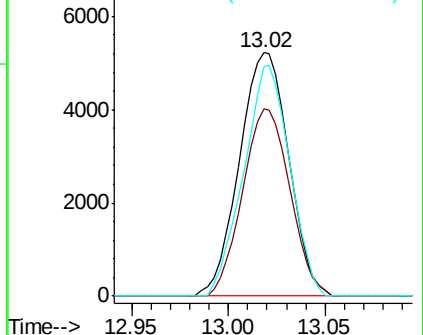
157 94.1 78.3 117.5

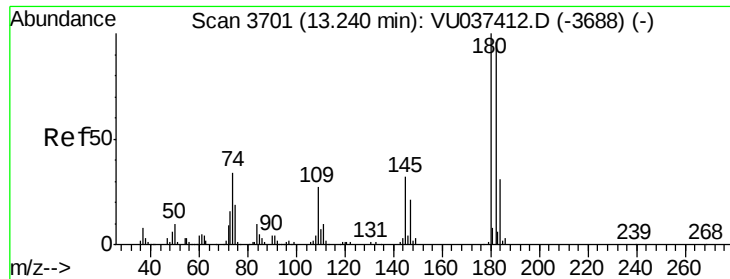


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

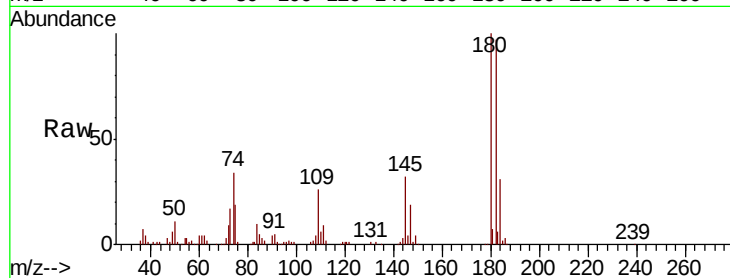




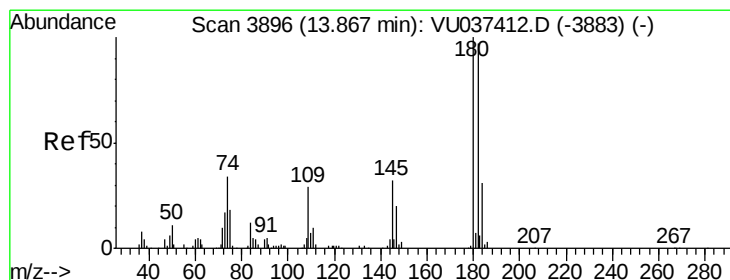
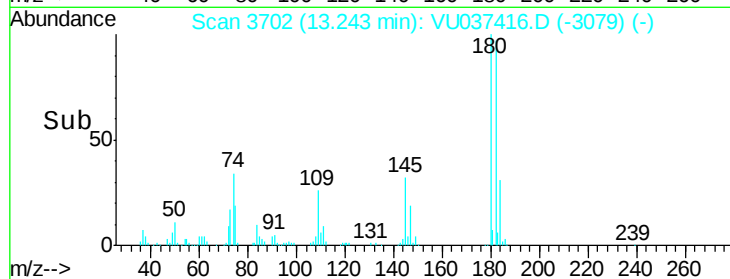
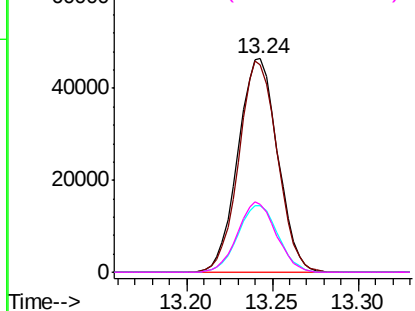
#67
 1,3,5-Trichlorobenzene
 Concen: 4.844 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 74706
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.7 116.5
 184 31.6 24.6 36.8
 145 32.0 25.7 38.5

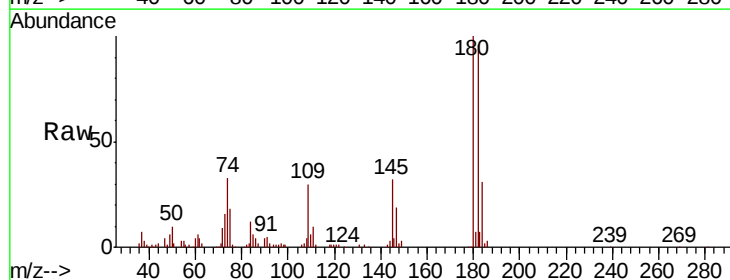


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

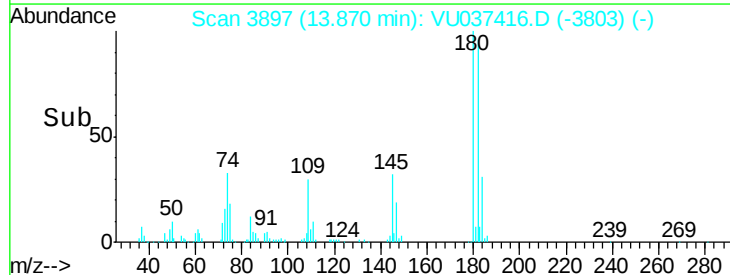
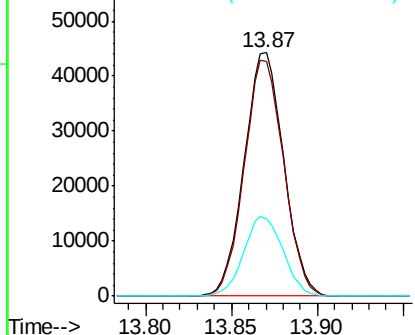


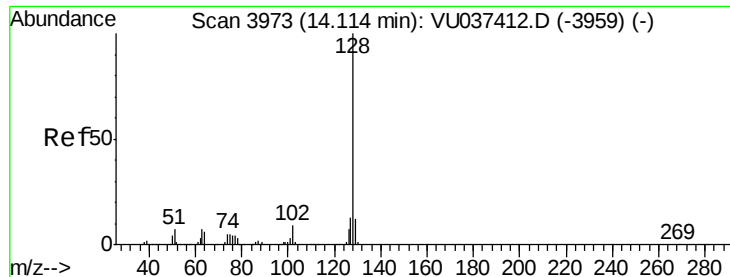
#68
 1,2,4-trichlorobenzene
 Concen: 4.745 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037416.D
 Acq: 28 Mar 2020 13:30

Tgt Ion:180 Resp: 70553
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.8 113.6
 145 32.3 25.5 38.3



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: 4.863 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

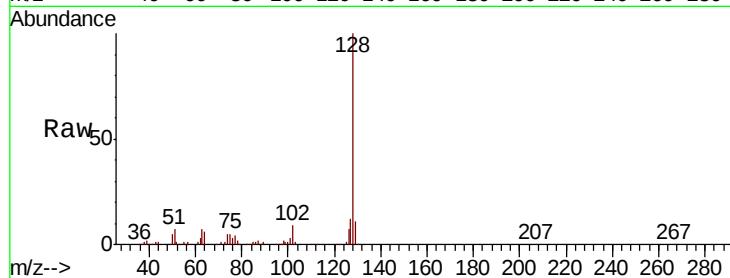
Tot Ion:128 Resp: 140373

Ion Ratio Lower Upper

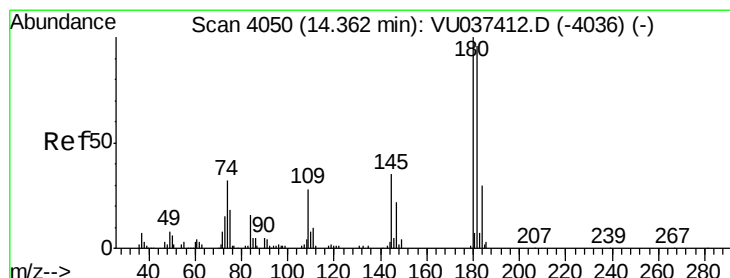
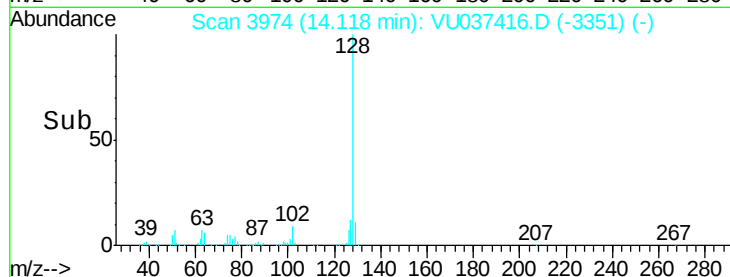
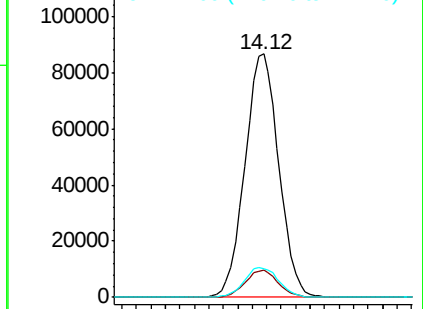
128 100

129 10.9 8.9 13.3

127 12.6 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: 4.793 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037416.D

Acq: 28 Mar 2020 13:30

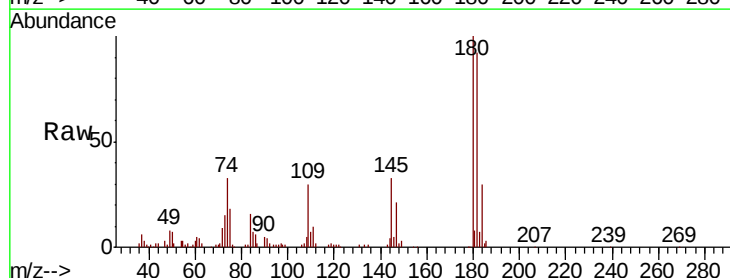
Tgt Ion:180 Resp: 64092

Ion Ratio Lower Upper

180 100

182 92.6 77.8 116.8

145 33.2 27.8 41.8



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

