

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037185.D
 Acq On : 12 Mar 2020 13:02
 Operator : JC/MD
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 13 06:55:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 06:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	428877	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	412741	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	199768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31368	9.45	ug/L	0.00
7) Chloroethane-d5	1.93	69	25069	9.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	58974	9.68	ug/L	0.00
21) 2-Butanone-d5	4.67	46	51324	19.54	ug/L	0.00
24) Chloroform-d	5.11	84	59469	9.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	45138	9.66	ug/L	0.00
32) Benzene-d6	5.76	84	110578	9.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	35944	9.66	ug/L	0.00
41) Toluene-d8	7.92	98	103473	9.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	18223	9.00	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	35976	18.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	56569	9.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	39361	9.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	46157	10.531	ug/L 97
3) Chloromethane	1.54	50	38258	10.673	ug/L 99
5) Vinyl chloride	1.62	62	41391	10.537	ug/L 96
6) Bromomethane	1.87	94	13190	8.748	ug/L 96
8) Chloroethane	1.95	64	23918	10.393	ug/L 97
9) Trichlorofluoromethane	2.16	101	63994	10.670	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	29559	10.553	ug/L 97
12) 1,1-Dichloroethene	2.61	96	26289	10.387	ug/L 91
13) Acetone	2.66	43	52892	21.223	ug/L 100
14) Carbon disulfide	2.82	76	74858	10.432	ug/L 97
15) Methyl Acetate	2.98	43	42513	10.846	ug/L 96
16) Methylene chloride	3.08	84	33797	10.698	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	26923	10.153	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	105222	10.275	ug/L 100
19) 1,1-Dichloroethane	3.91	63	62723	10.571	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	33712	10.510	ug/L 100
22) 2-Butanone	4.75	43	66681	21.154	ug/L 99
23) Bromochloromethane	5.02	128	17530	10.838	ug/L 97
25) Chloroform	5.13	83	68586	10.689	ug/L 96
27) 1,2-Dichloroethane	5.83	62	61669	10.787	ug/L 98
29) Cyclohexane	5.42	56	49772	10.200	ug/L 98
30) 1,1,1-Trichloroethane	5.36	97	58273	10.637	ug/L 98
31) Carbon tetrachloride	5.56	117	51455	10.630	ug/L 99
33) Benzene	5.81	78	129799	10.669	ug/L 100
34) Trichloroethene	6.57	95	32914	10.412	ug/L 98
35) Methylcyclohexane	6.79	83	49055	10.249	ug/L 99
37) 1,2-Dichloropropane	6.82	63	37303	10.787	ug/L 99
38) Bromodichloromethane	7.14	83	52041	10.764	ug/L 97
39) cis-1,3-Dichloropropene	7.64	75	55575	10.365	ug/L 95
40) 4-Methyl-2-pentanone	7.82	43	119784	21.278	ug/L 99

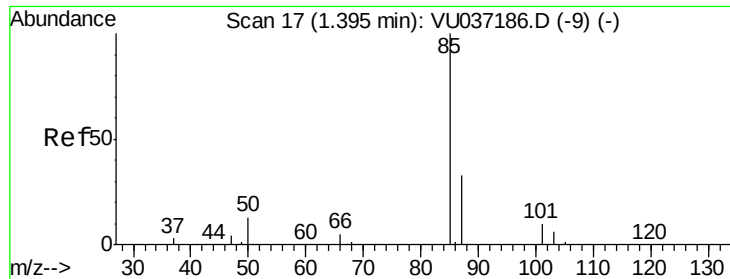
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 06:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	137862	10.377	ug/L	96
44) trans-1,3-Dichloropropene	8.23	75	50267	9.929	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	33667	10.692	ug/L	98
46) Tetrachloroethene	8.57	164	24746	10.536	ug/L	98
48) 2-Hexanone	8.71	43	88561	19.963	ug/L	98
49) Dibromochloromethane	8.83	129	38718	10.452	ug/L	98
50) 1,2-Dibromoethane	8.95	107	36025	10.602	ug/L	97
51) Chlorobenzene	9.47	112	87937	10.525	ug/L	96
52) Ethylbenzene	9.59	91	159199	10.349	ug/L	100
53) m,p-Xylene	9.71	106	56749	10.430	ug/L	92
54) o-xylene	10.12	106	55514	10.327	ug/L	97
55) Styrene	10.13	104	89152	9.780	ug/L	99
56) Isopropylbenzene	10.50	105	153615	10.281	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	63007	10.963	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	52278	10.875	ug/L	99
61) Bromoform	10.31	173	29677	10.636	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	67586	10.674	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	68077	10.638	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	70343	10.877	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	15188	10.652	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	48497	10.510	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	32884	9.126	ug/L	95
69) Naphthalene	14.12	128	46578	8.524	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	36763	9.722	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 10.531 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

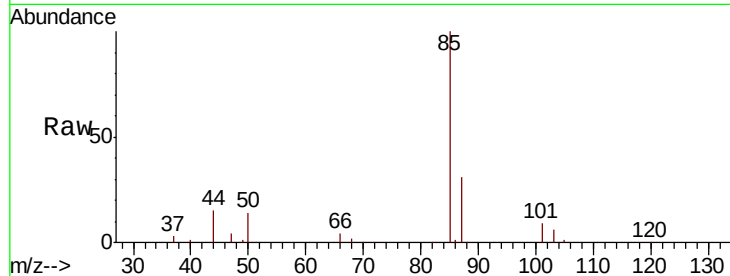
ClientSampleId :

Tot Ion: 85 Resp: 46157

Ion Ratio Lower Upper

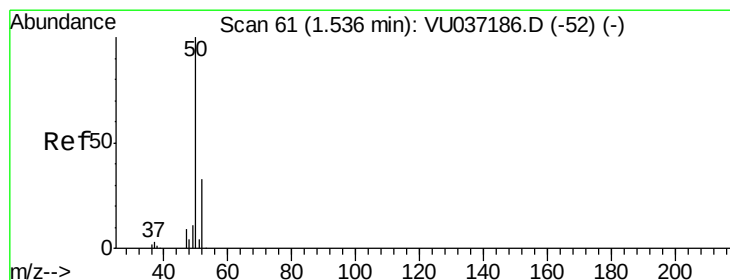
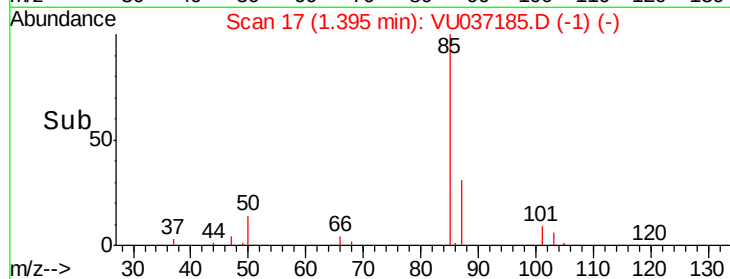
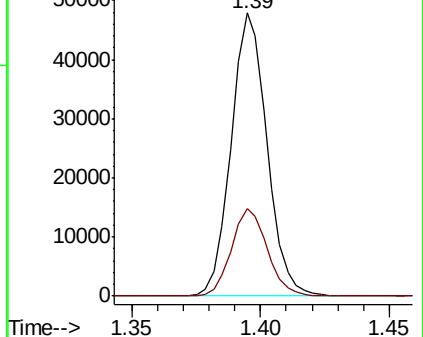
85 100

87 31.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037185.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037185.D (-9) (-)



#3

Chloromethane

Concen: 10.673 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU037185.D

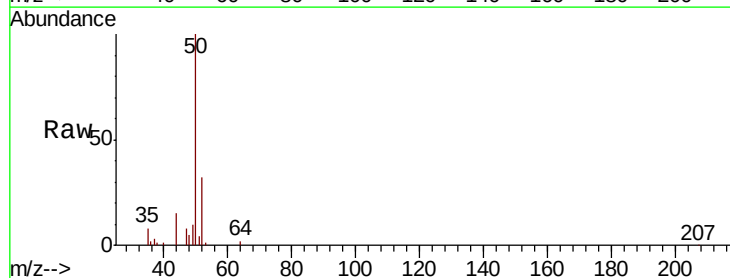
Acq: 12 Mar 2020 13:02

Tgt Ion: 50 Resp: 38258

Ion Ratio Lower Upper

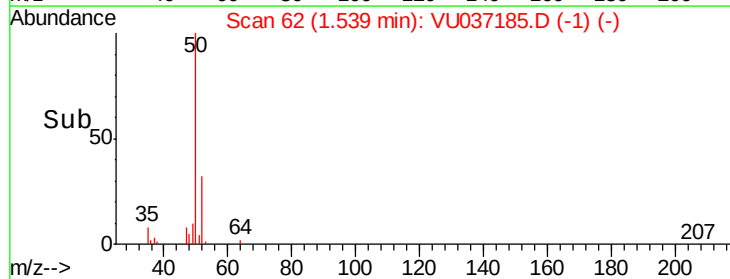
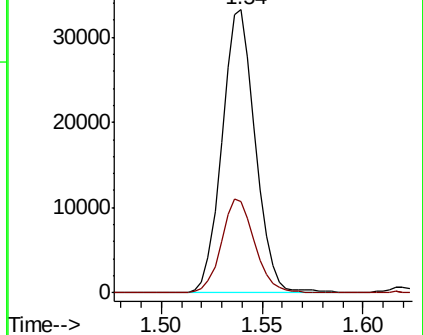
50 100

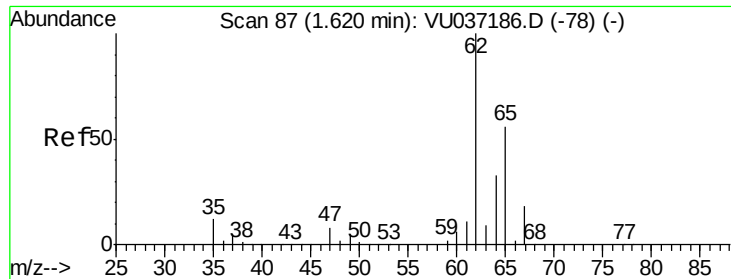
52 32.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU037185.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037185.D (-52) (-)





#5

Vinyl chloride

Concen: 10.537 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

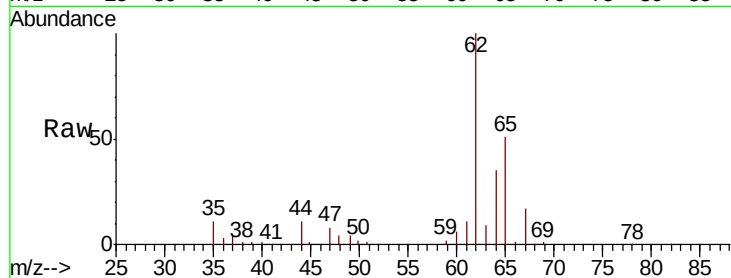
ClientSampleId :

Tot Ion: 62 Resp: 41391

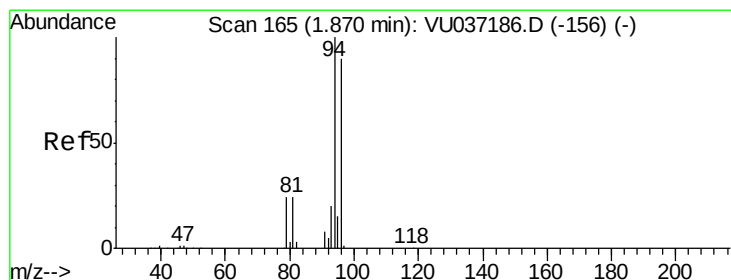
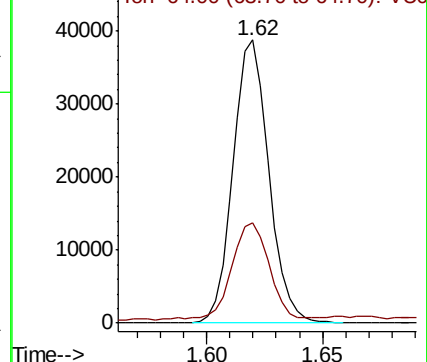
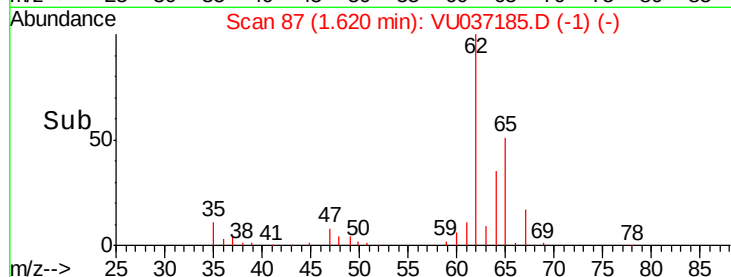
Ion Ratio Lower Upper

62 100

64 35.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU037185.D (-1) (-)



#6

Bromomethane

Concen: 8.748 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037185.D

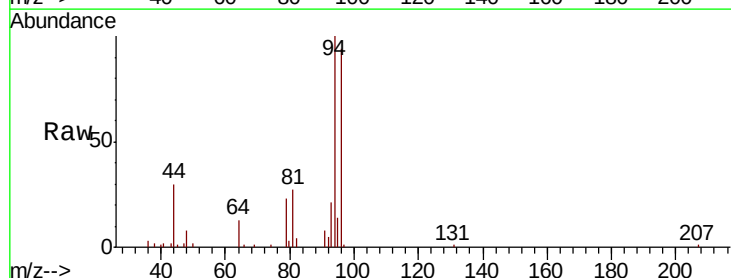
Acq: 12 Mar 2020 13:02

Tgt Ion: 94 Resp: 13190

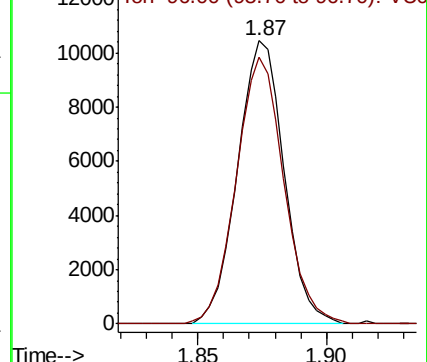
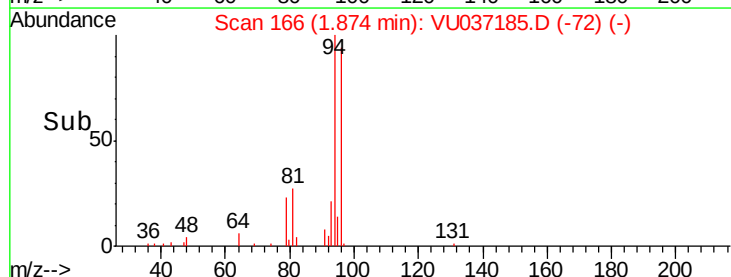
Ion Ratio Lower Upper

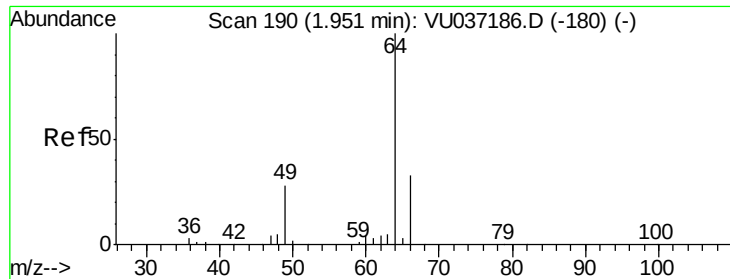
94 100

96 94.2 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU037185.D (-72) (-)

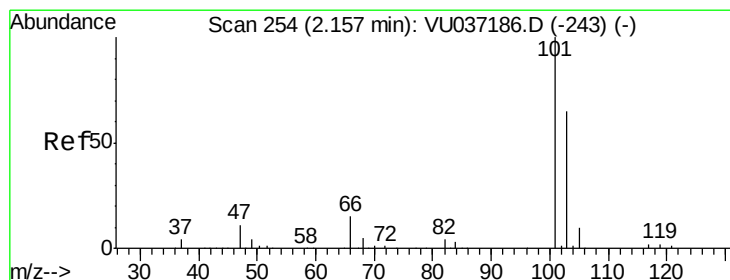
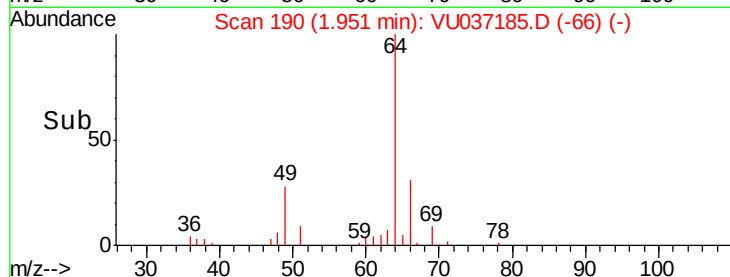
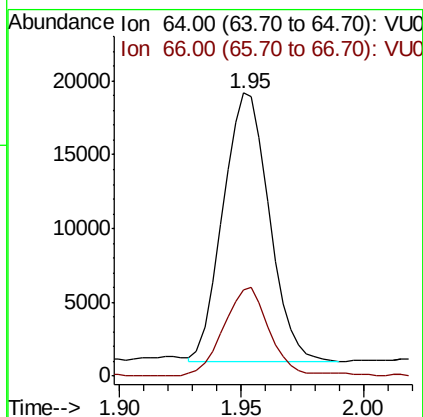
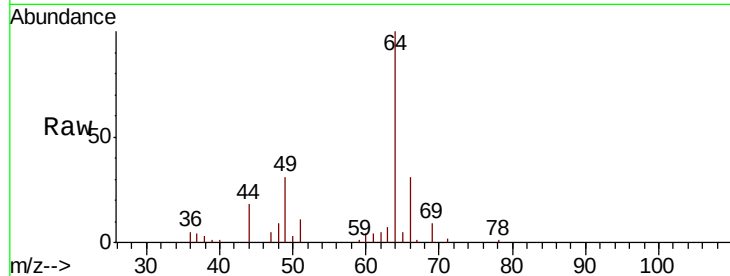




#8
Chloroethane
Concen: 10.393 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

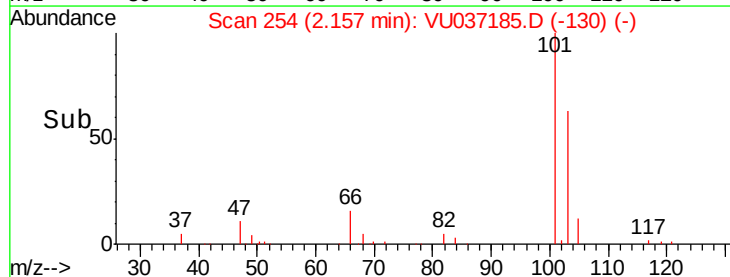
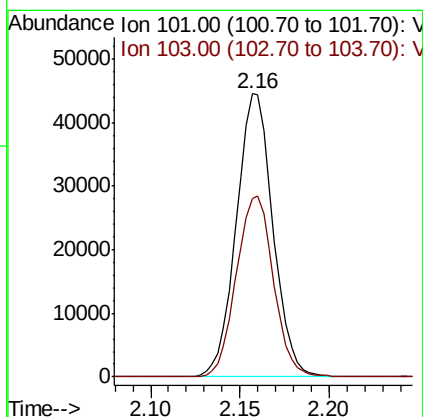
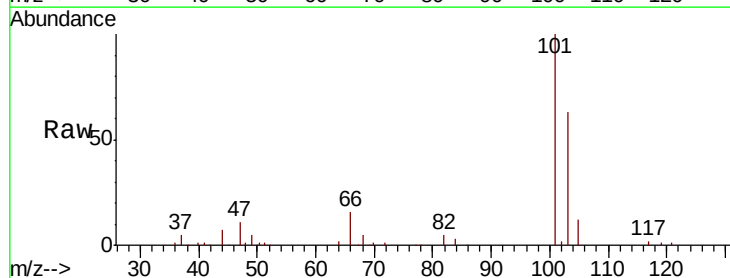
Instrument :
MSVOA_U
ClientSampleId :

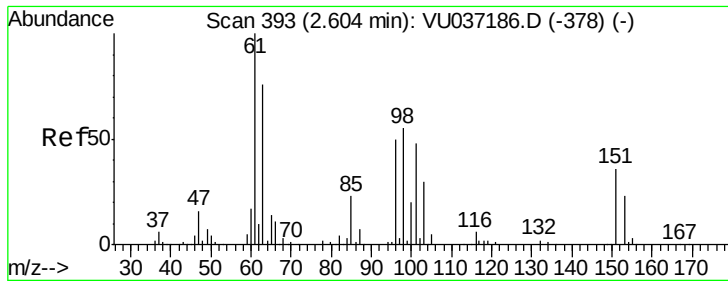
Tot Ion: 64 Resp: 23918
Ion Ratio Lower Upper
64 100
66 30.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 10.670 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Tgt Ion:101 Resp: 63994
Ion Ratio Lower Upper
101 100
103 64.4 51.1 76.7





#10

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

Concen: 10.553 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampled :

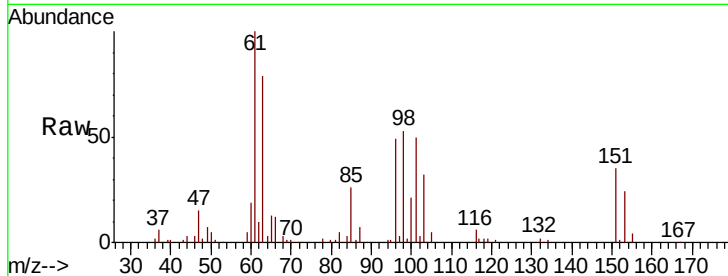
Tot Ion:101 Resp: 29559

Ion Ratio Lower Upper

101 100

85 50.3 37.8 56.6

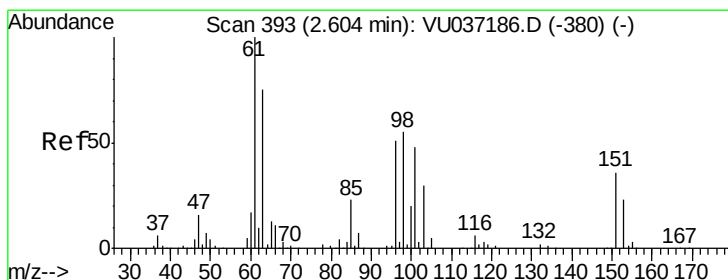
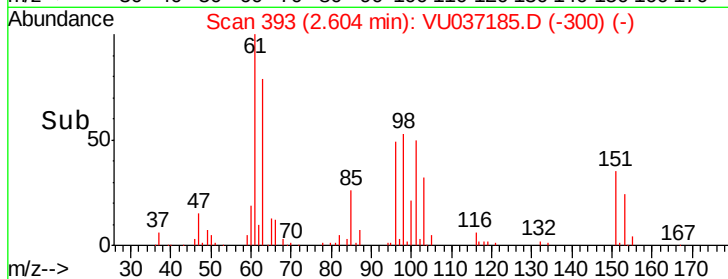
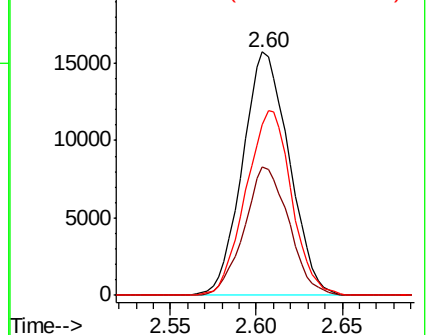
151 74.2 58.5 87.7



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: 10.387 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

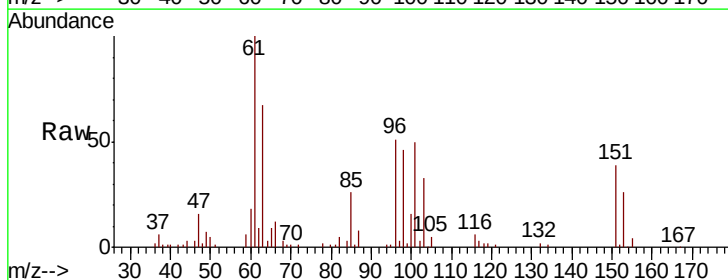
Tgt Ion: 96 Resp: 26289

Ion Ratio Lower Upper

96 100

61 194.8 138.8 257.8

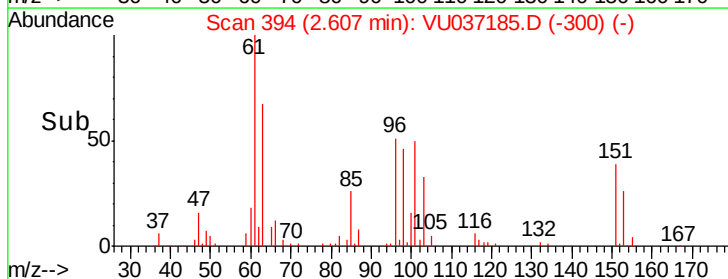
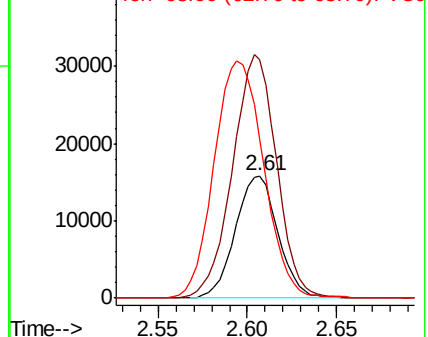
63 130.0 106.4 197.6

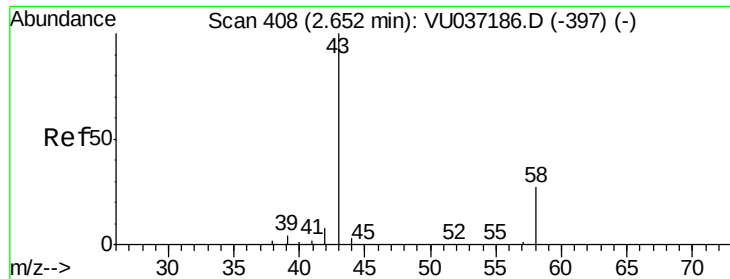


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.223 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

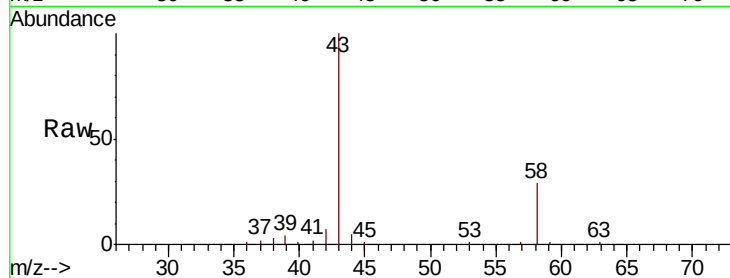
ClientSampleId :

Tot Ion: 43 Resp: 52892

Ion Ratio Lower Upper

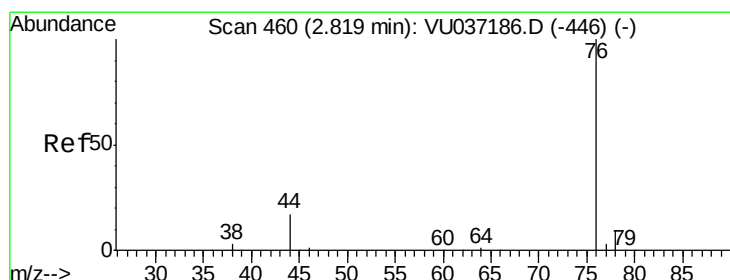
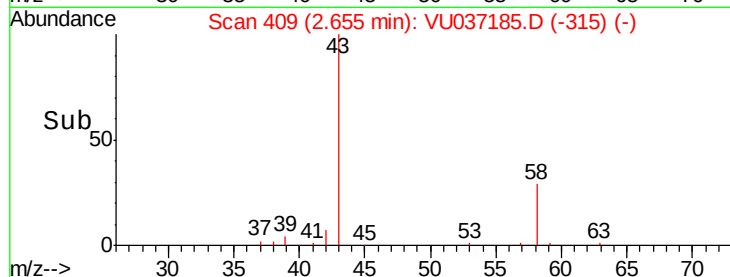
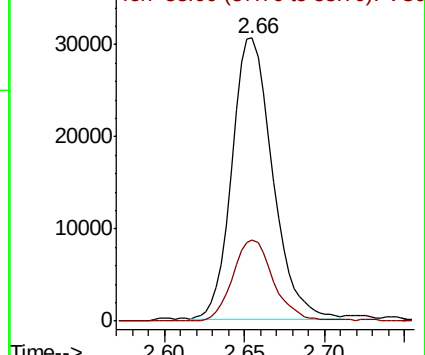
43 100

58 28.7 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VU037186.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037186.D (-397) (-)



#14

Carbon disulfide

Concen: 10.432 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037185.D

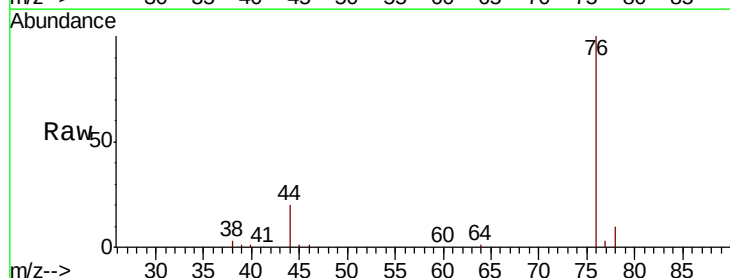
Acq: 12 Mar 2020 13:02

Tgt Ion: 76 Resp: 74858

Ion Ratio Lower Upper

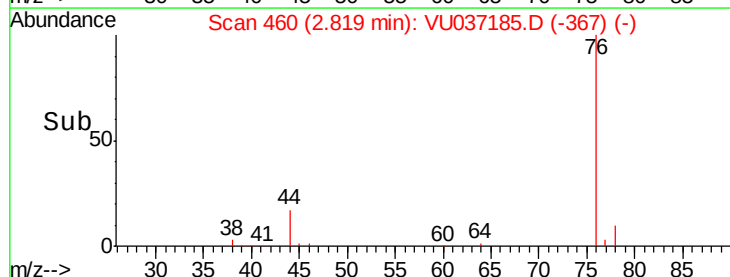
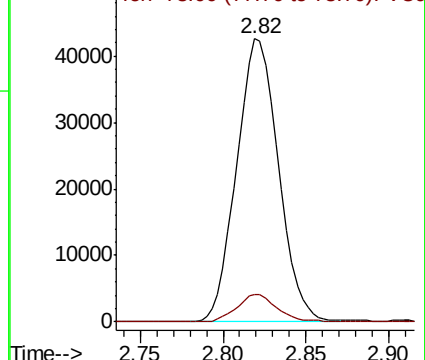
76 100

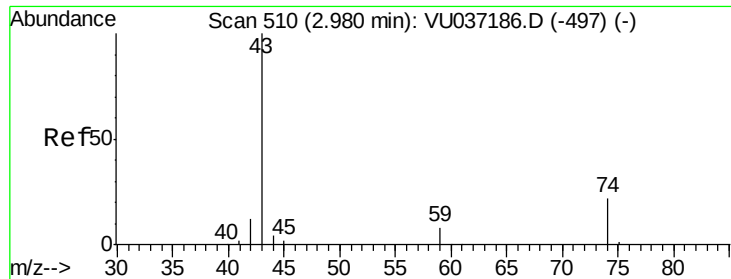
78 9.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU037186.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037186.D (-446) (-)

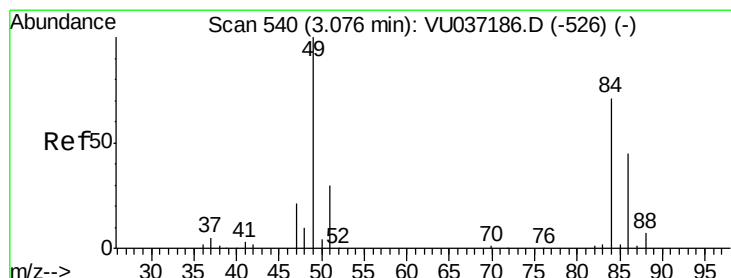
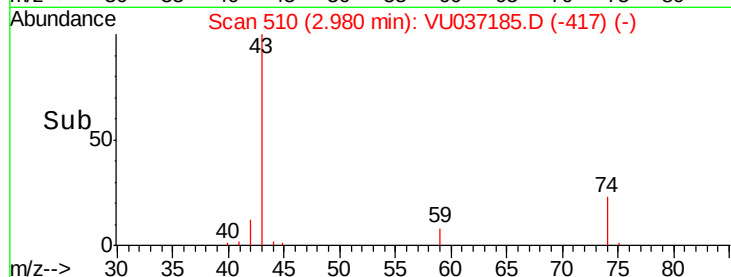
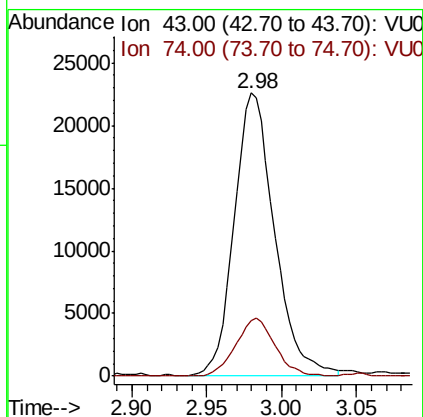
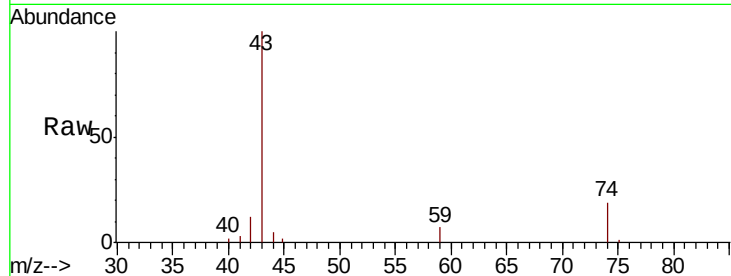




#15
Methvl Acetate
Concen: 10.846 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

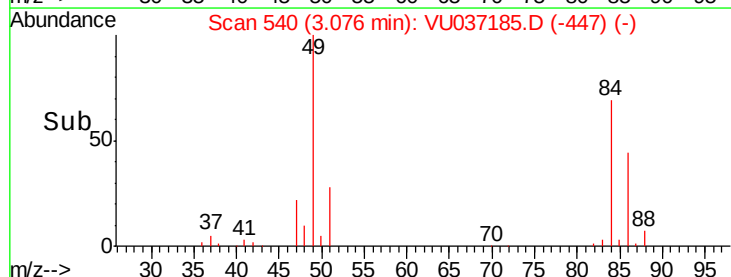
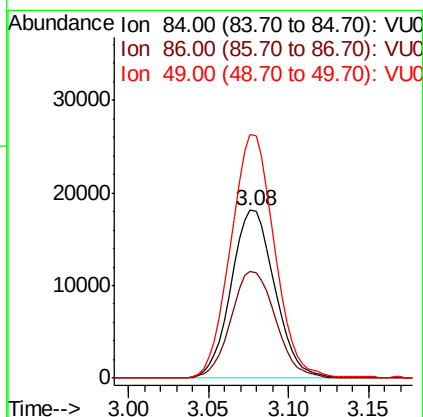
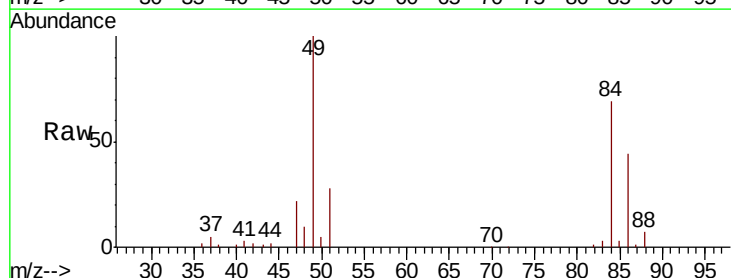
Instrument :
MSVOA_U
ClientSampled :

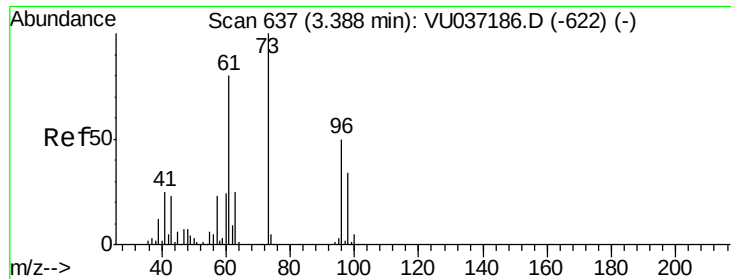
Tot Ion: 43 Resp: 42513
Ion Ratio Lower Upper
43 100
74 19.9 17.4 26.0



#16
Methylene chloride
Concen: 10.698 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Tgt Ion: 84 Resp: 33797
Ion Ratio Lower Upper
84 100
86 63.6 44.0 81.6
49 145.1 98.6 183.2

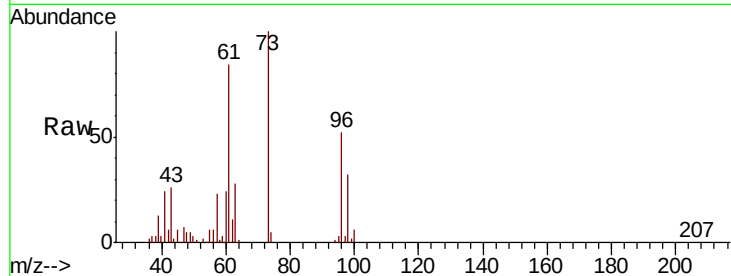




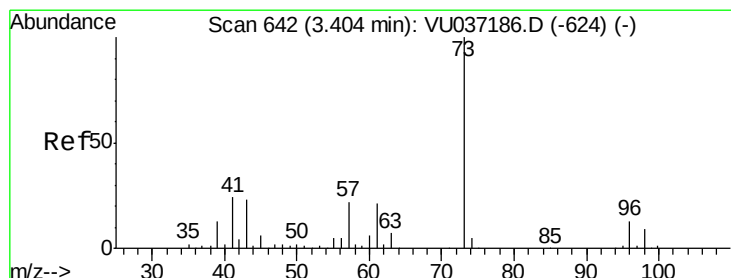
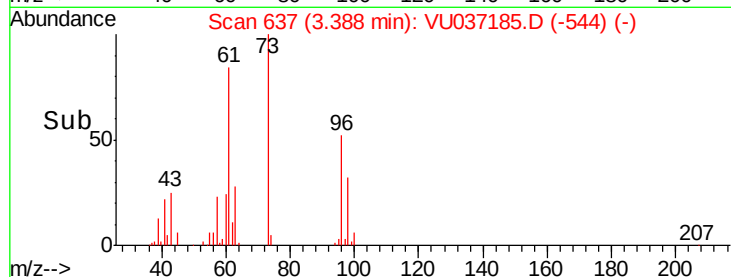
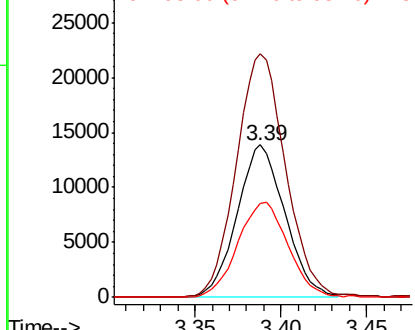
#17
trans-1,2-Dichloroethene
Concen: 10.153 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 26923
Ion Ratio Lower Upper
96 100
61 159.9 112.3 208.5
98 61.4 48.0 89.2

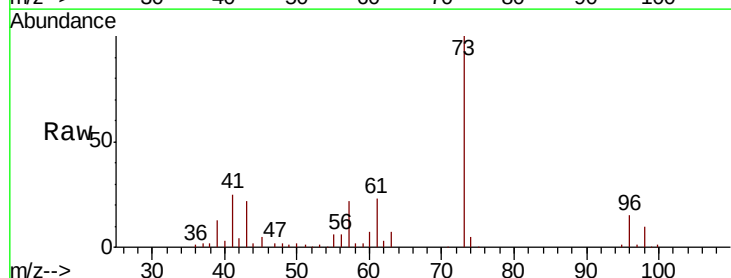


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

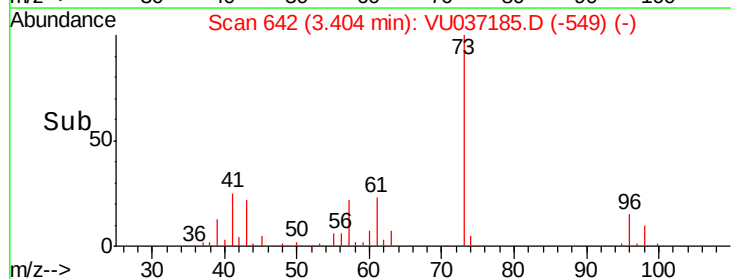
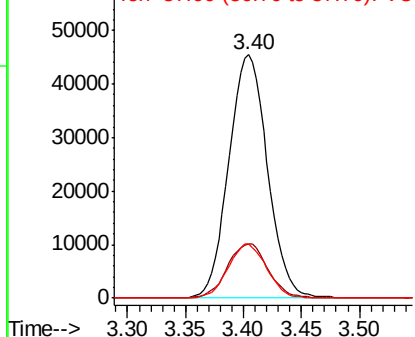


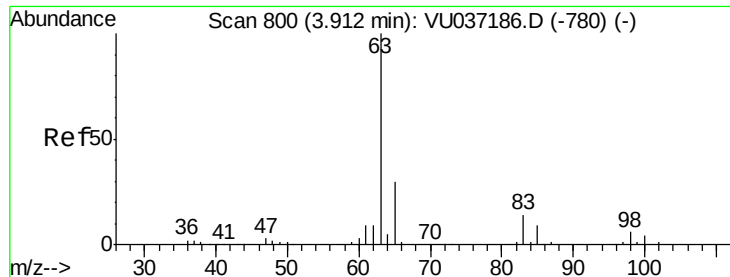
#18
Methyl tert-butyl Ether
Concen: 10.275 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Tgt Ion: 73 Resp: 105222
Ion Ratio Lower Upper
73 100
43 23.5 18.5 27.7
57 22.1 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 10.571 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

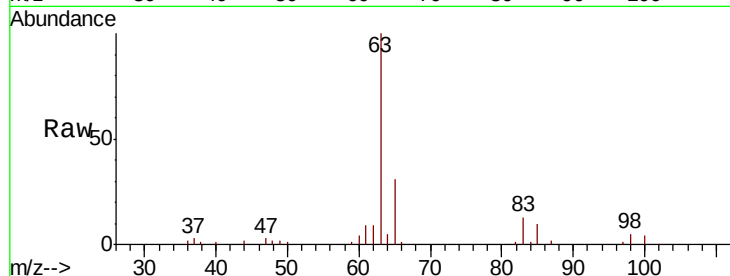
Tot Ion: 63 Resp: 62723

Ion Ratio Lower Upper

63 100

65 31.5 20.8 38.6

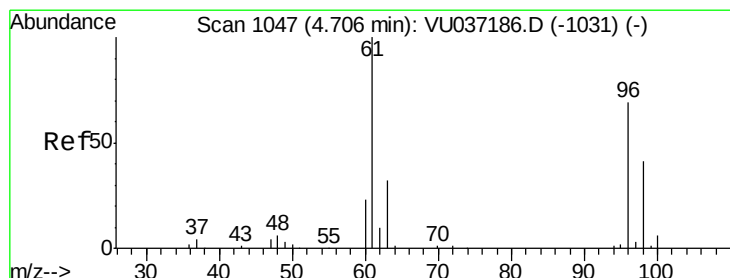
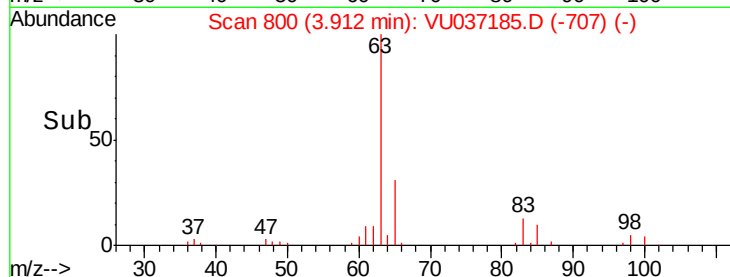
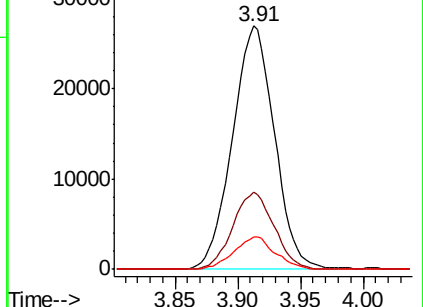
83 13.1 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VU037185.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037185.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037185.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.510 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

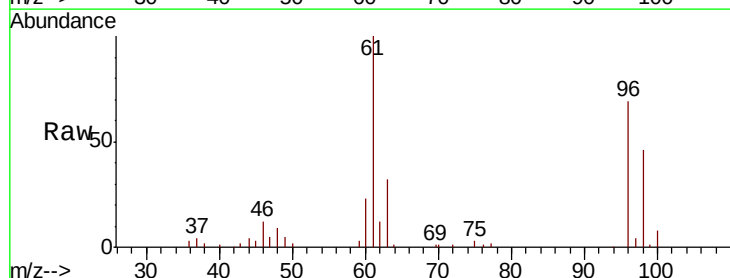
Tgt Ion: 96 Resp: 33712

Ion Ratio Lower Upper

96 100

61 144.3 101.2 187.8

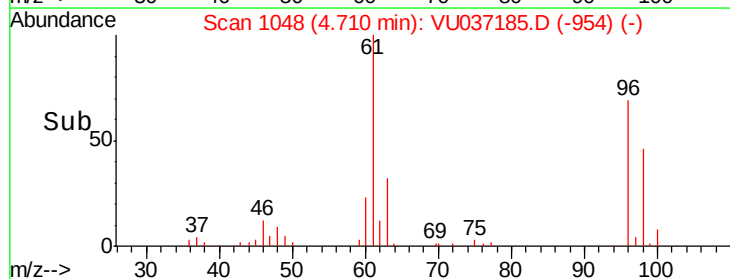
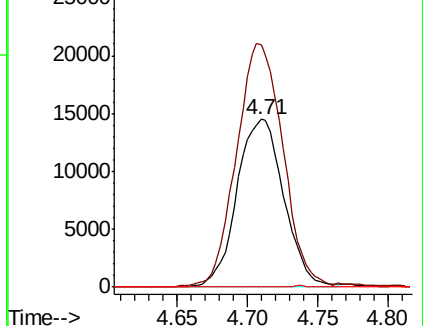
68 0.0 0.0 0.0

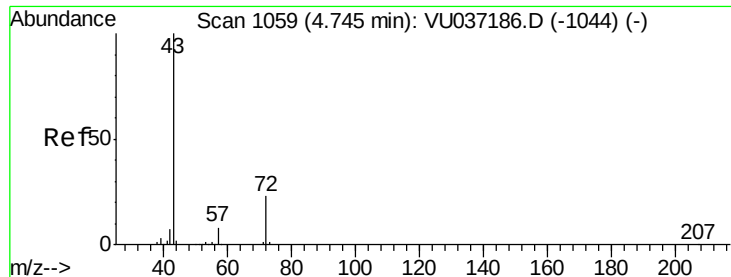


Abundance Ion 96.00 (95.70 to 96.70): VU037185.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037185.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037185.D (-954) (-)





#22

2-Butanone

Concen: 21.154 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

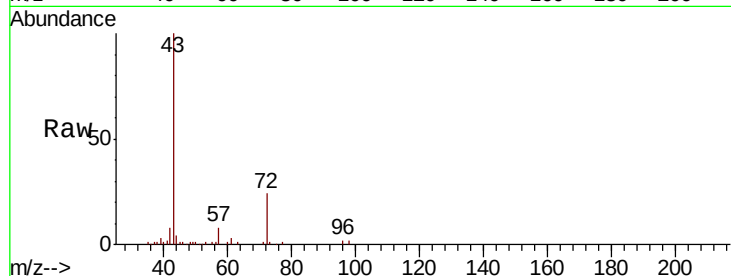
ClientSampleId :

Tot Ion: 43 Resp: 66681

Ion Ratio Lower Upper

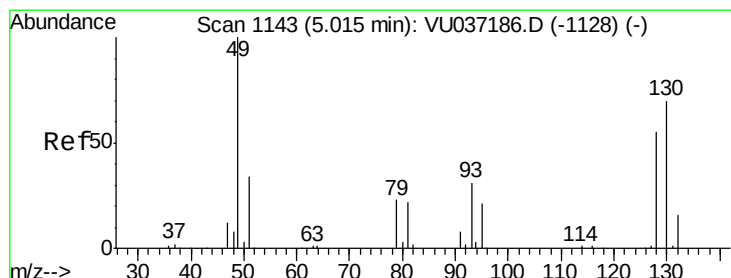
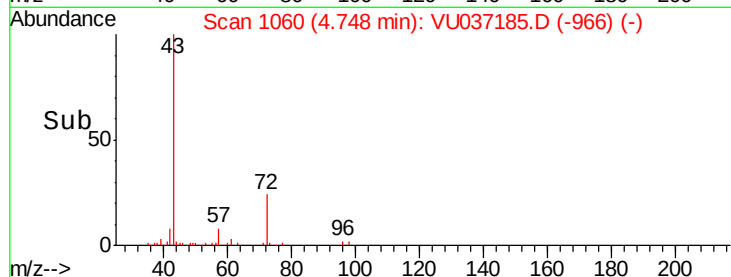
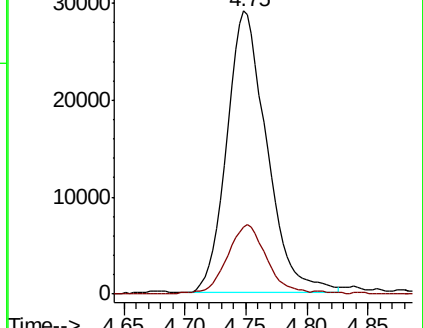
43 100

72 24.1 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU037186.D (-1044) (-)

Ion 72.00 (71.70 to 72.70): VU037186.D (-1044) (-)



#23

Bromochloromethane

Concen: 10.838 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Tgt Ion: 128 Resp: 17530

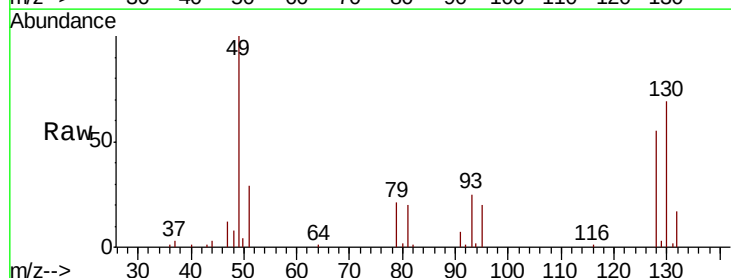
Ion Ratio Lower Upper

128 100

49 182.7 128.4 238.5

130 125.1 90.6 168.2

51 53.7 50.0 75.0

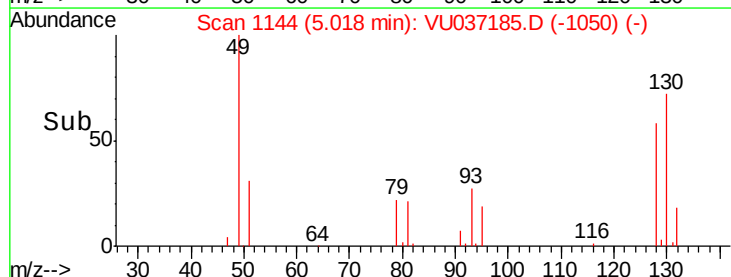
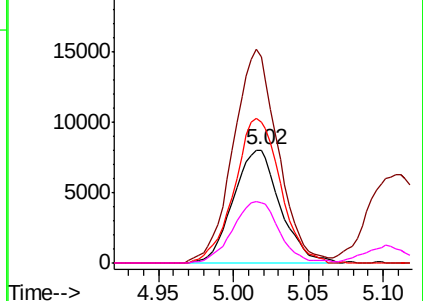


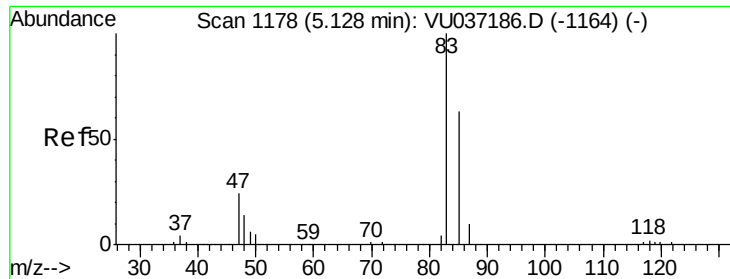
Abundance Ion 128.00 (127.70 to 128.70): VU037186.D (-1128) (-)

Ion 49.00 (48.70 to 49.70): VU037186.D (-1128) (-)

Ion 130.00 (129.70 to 130.70): VU037186.D (-1128) (-)

Ion 51.00 (50.70 to 51.70): VU037186.D (-1128) (-)

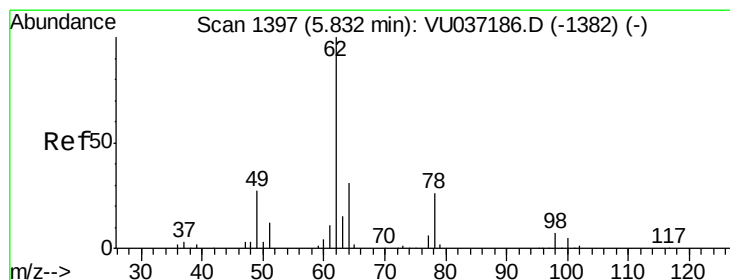
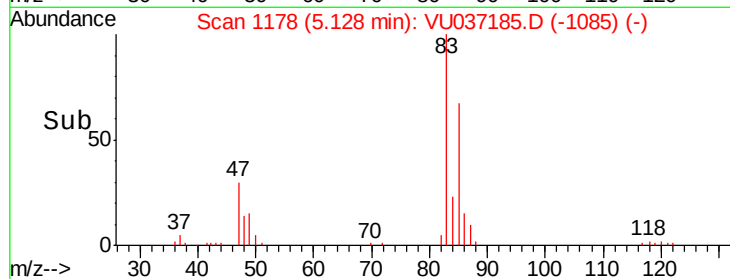
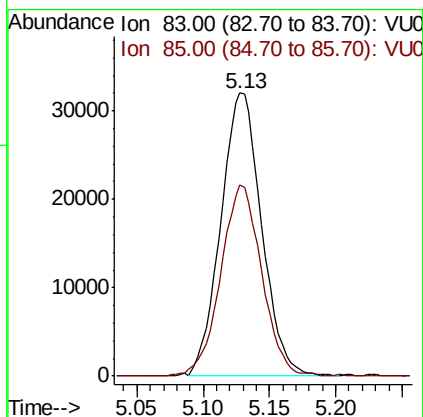
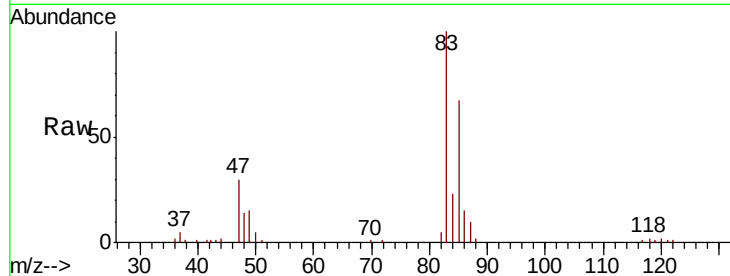




#25
Chloroform
Concen: 10.689 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

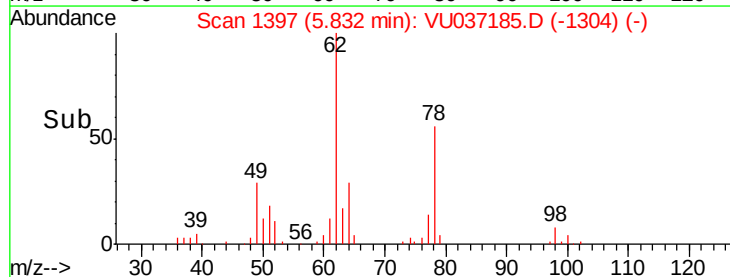
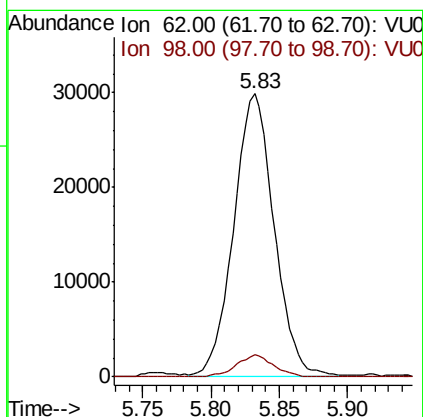
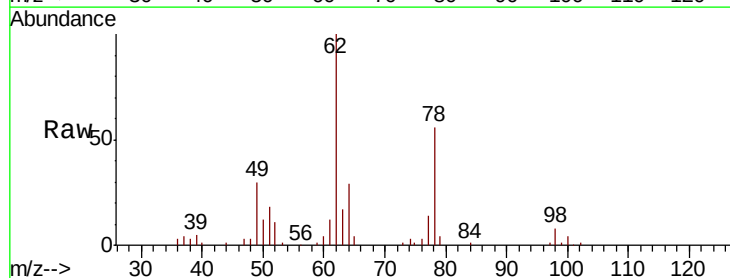
Instrument :
MSVOA_U
ClientSampled :

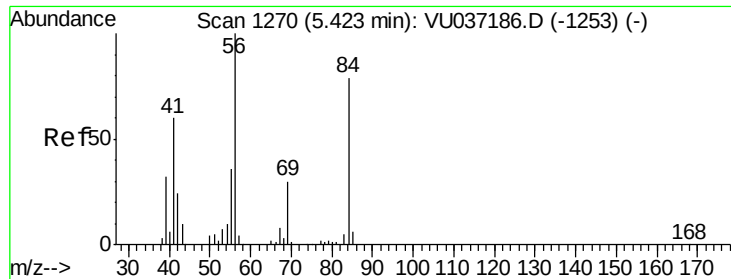
Tot Ion: 83 Resp: 68586
Ion Ratio Lower Upper
83 100
85 67.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 10.787 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Tgt Ion: 62 Resp: 61669
Ion Ratio Lower Upper
62 100
98 7.8 5.6 8.4

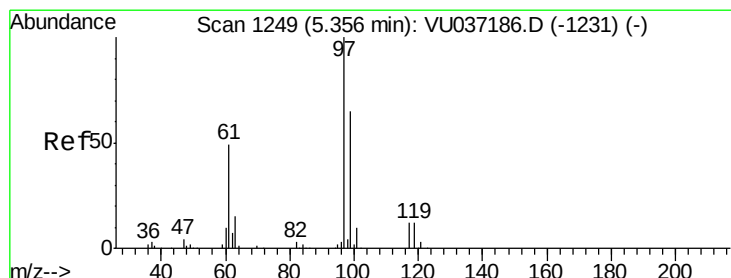
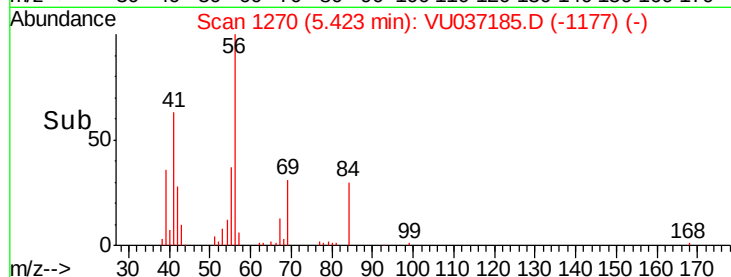
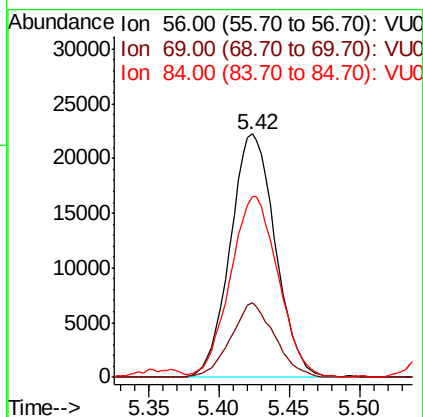
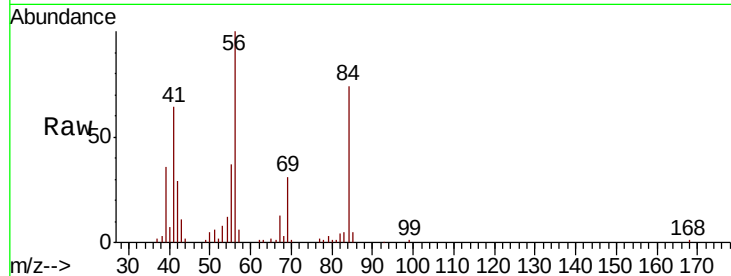




#29
Cyclohexane
Concen: 10.200 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

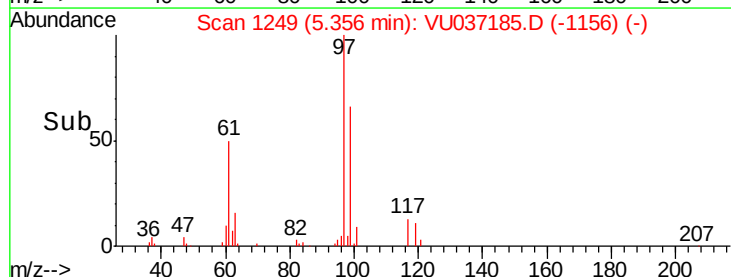
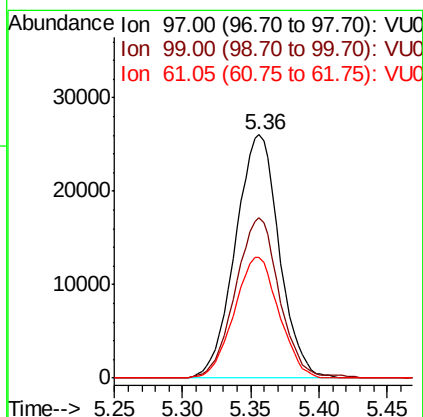
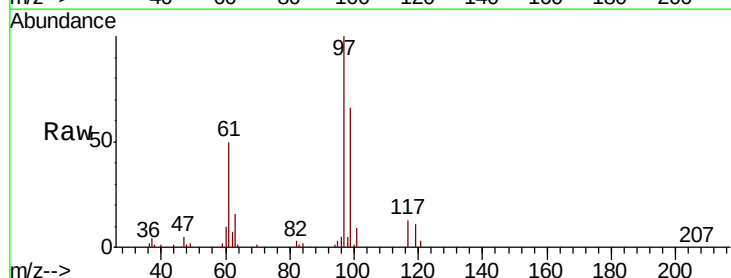
Instrument :
MSVOA_U
ClientSampleId :

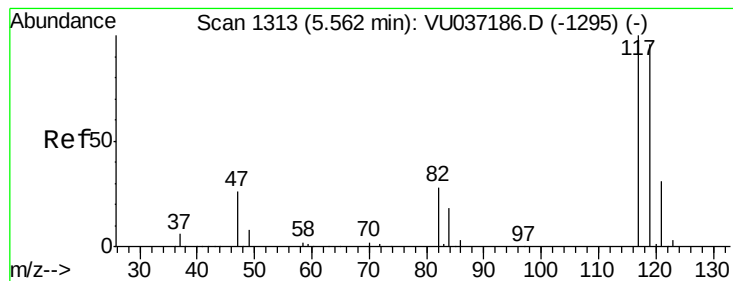
Tot Ion: 56 Resp: 49772
Ion Ratio Lower Upper
56 100
69 29.8 23.9 35.9
84 77.6 64.0 96.0



#30
1,1,1-Trichloroethane
Concen: 10.637 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Tgt Ion: 97 Resp: 58273
Ion Ratio Lower Upper
97 100
99 65.4 51.4 77.0
61 50.4 39.0 58.4





#31

Carbon tetrachloride

Concen: 10.630 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

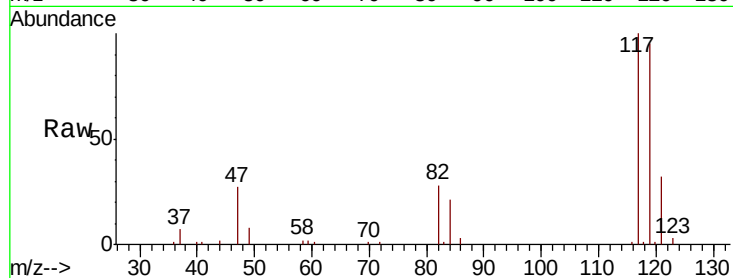
ClientSampled :

Tot Ion:117 Resp: 51455

Ion Ratio Lower Upper

117 100

119 96.9 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

25000

20000

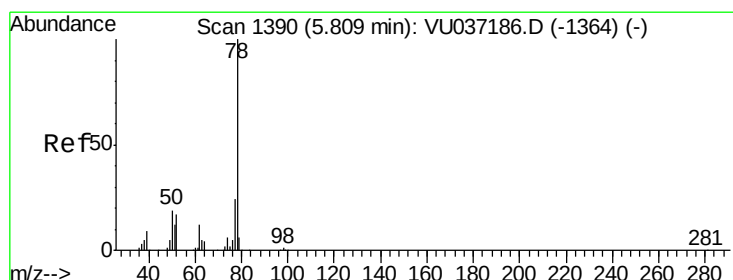
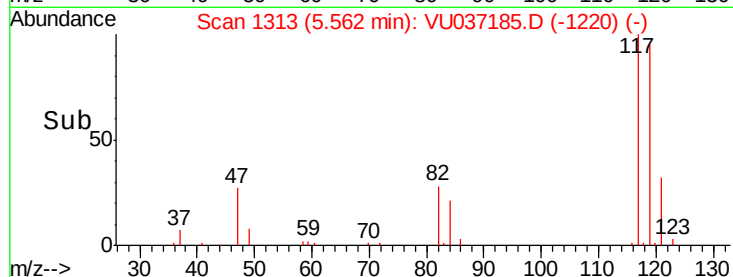
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 10.669 ug/L

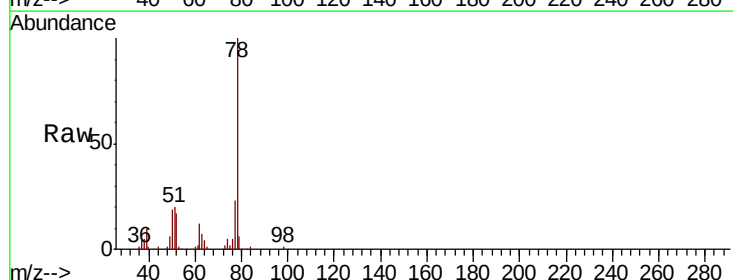
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Tgt Ion: 78 Resp: 129799



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

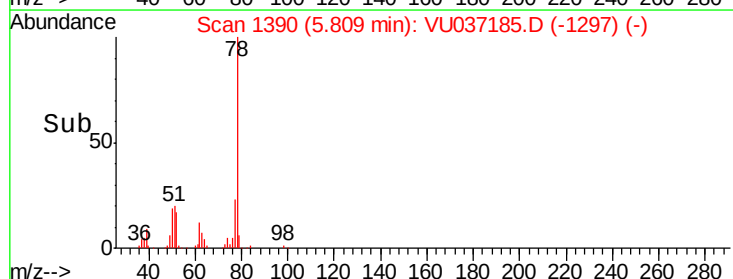
60000

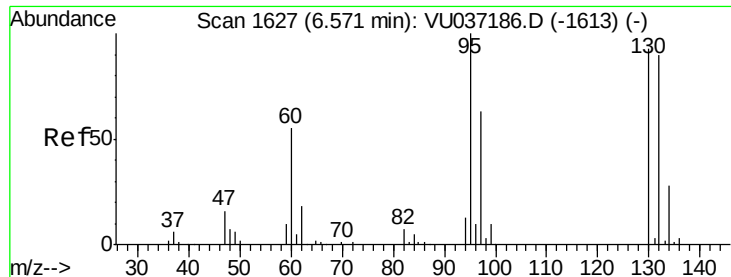
40000

20000

0

Time-->

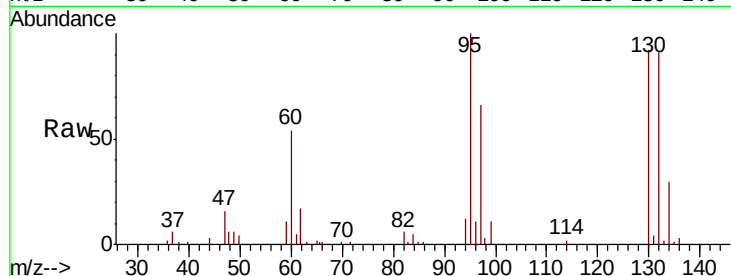




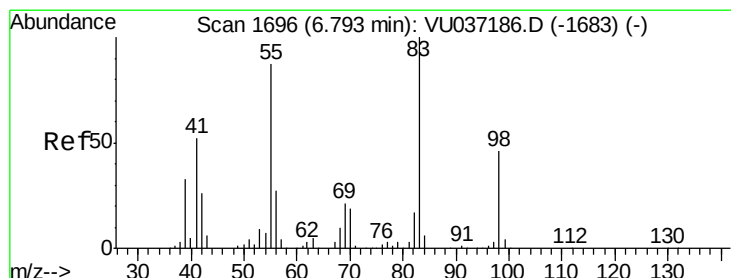
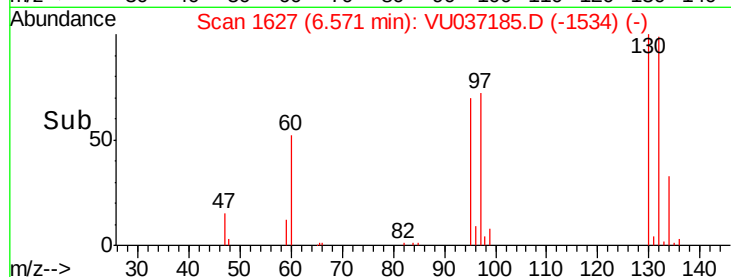
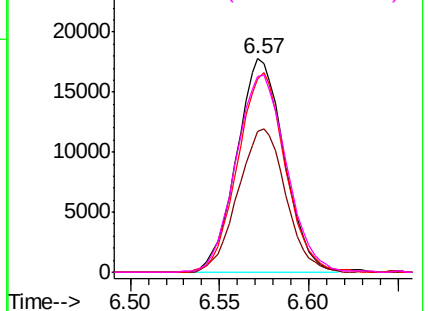
#34
 Trichloroethene
 Concen: 10.412 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 32914
 Ion Ratio Lower Upper
 95 100
 97 65.8 43.8 81.4
 132 90.7 62.6 116.3
 130 91.8 64.8 120.4

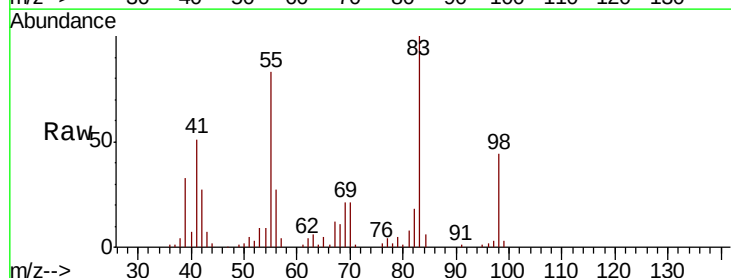


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

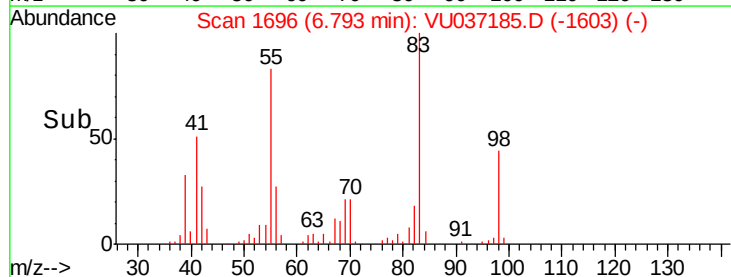
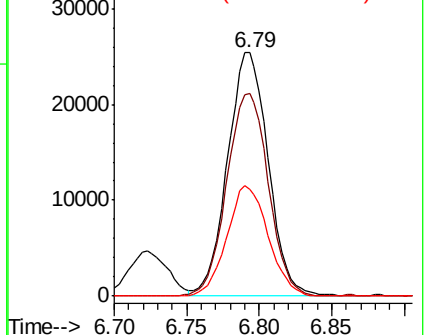


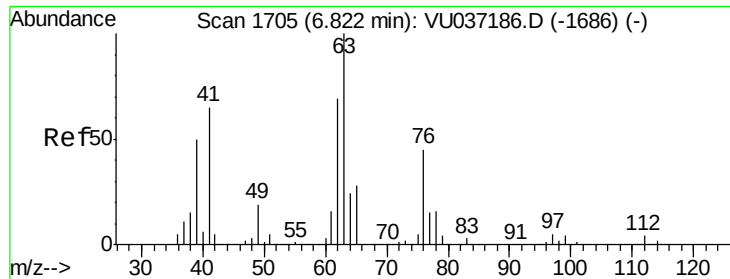
#35
 Methylcyclohexane
 Concen: 10.249 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Tgt Ion: 83 Resp: 49055
 Ion Ratio Lower Upper
 83 100
 55 85.6 68.2 102.2
 98 46.2 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

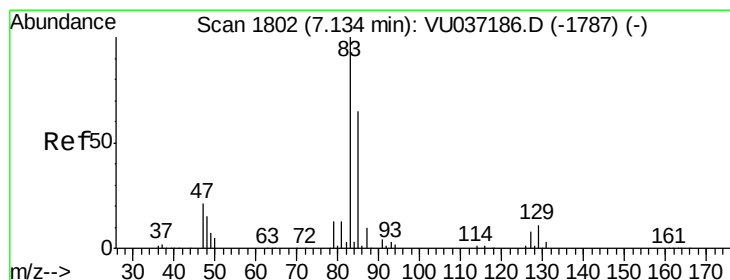
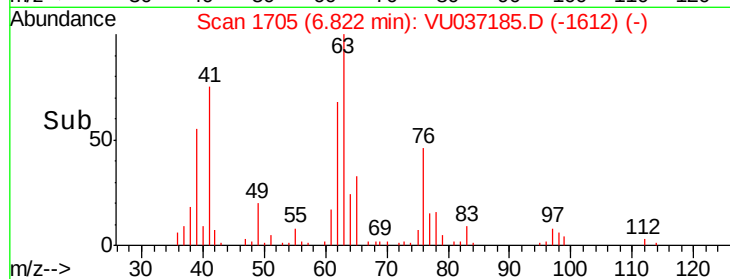
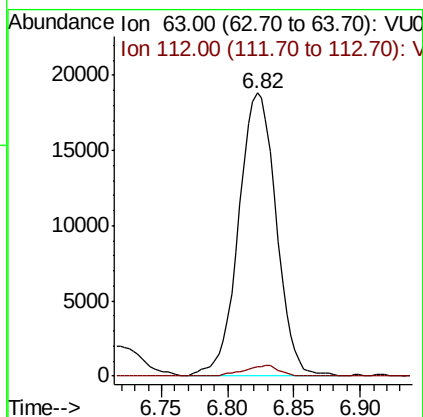
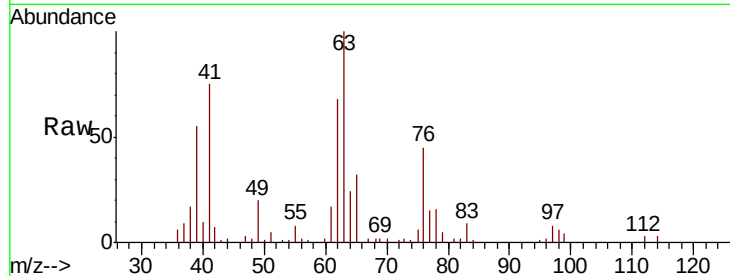




#37
 1,2-Dichloropropane
 Concen: 10.787 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

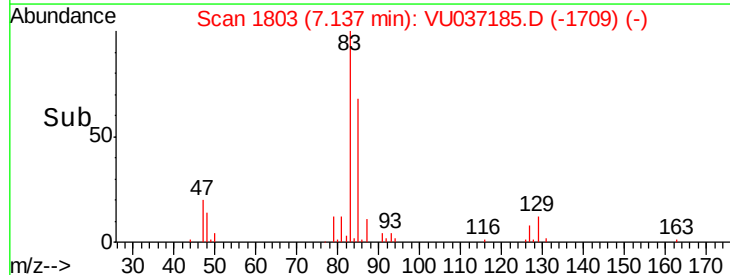
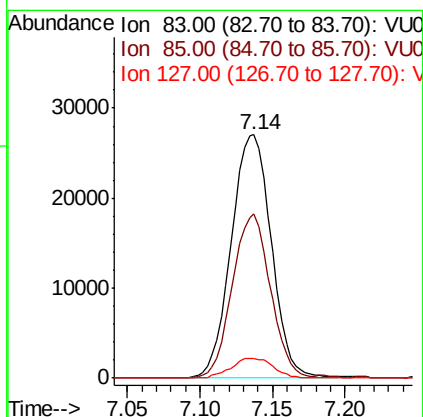
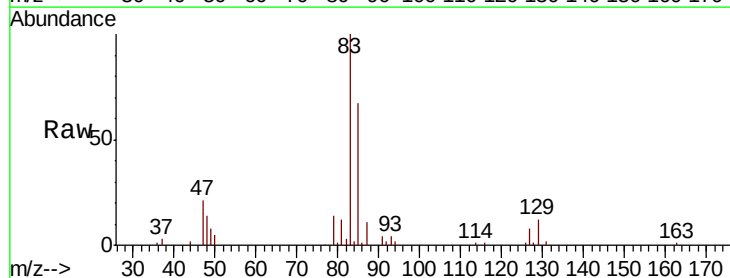
Instrument :
 MSVOA_U
 ClientSampleId :

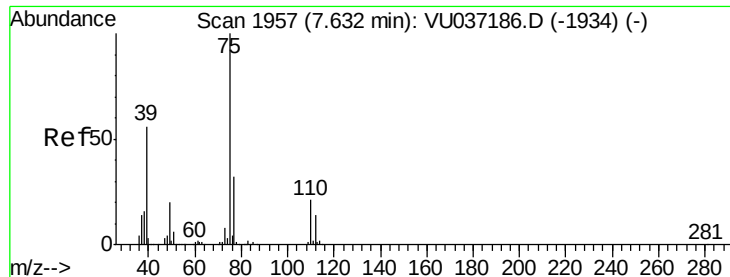
Tot Ion: 63 Resp: 37303
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 10.764 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Tgt Ion: 83 Resp: 52041
 Ion Ratio Lower Upper
 83 100
 85 67.5 45.7 84.9
 127 7.9 6.7 10.1

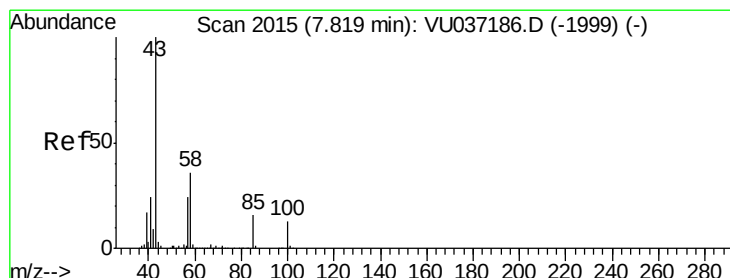
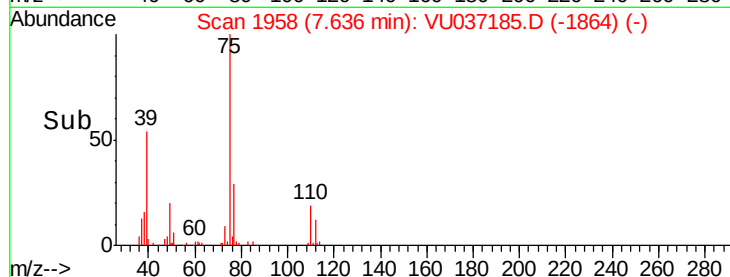
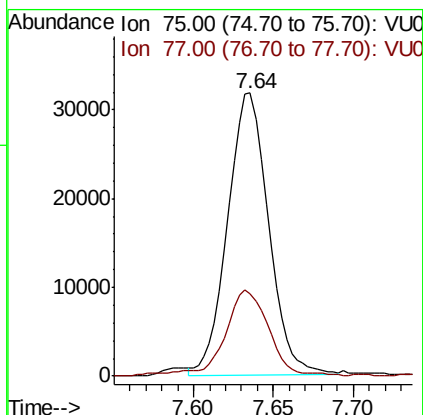
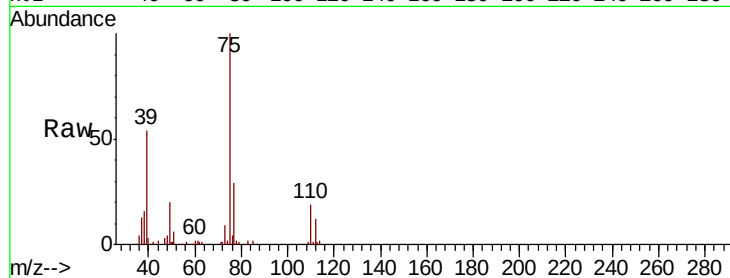




#39
 cis-1,3-Dichloropropene
 Concen: 10.365 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

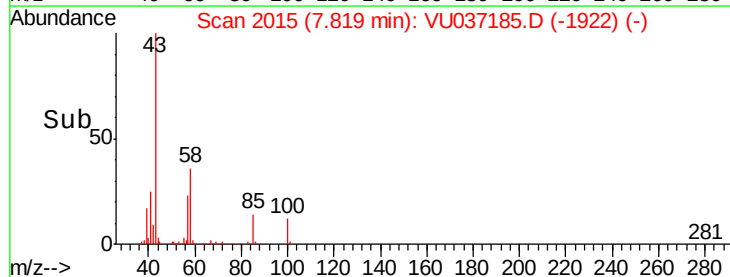
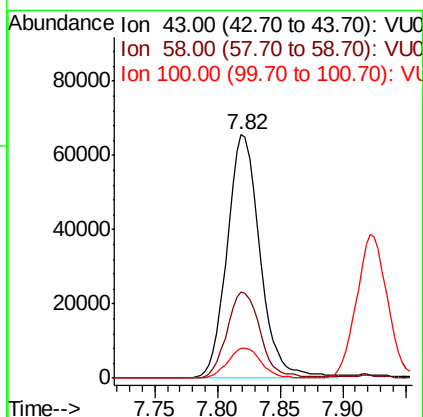
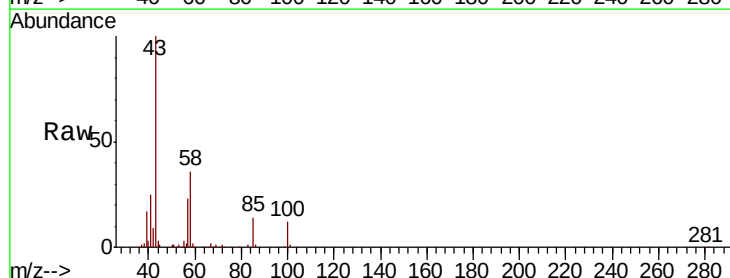
Instrument :
 MSVOA_U
 ClientSampleId :

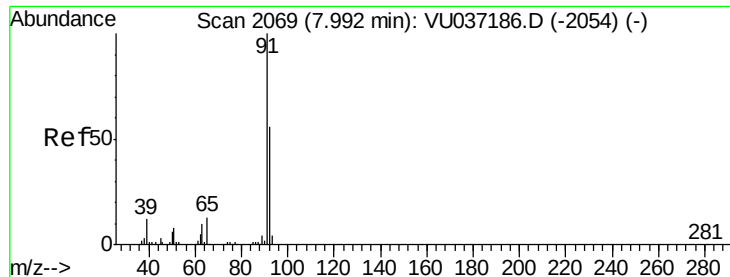
Tot Ion: 75 Resp: 55575
 Ion Ratio Lower Upper
 75 100
 77 29.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 21.278 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Tgt Ion: 43 Resp: 119784
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.3 43.9
 100 12.6 10.3 15.5





#42

Toluene

Concen: 10.377 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

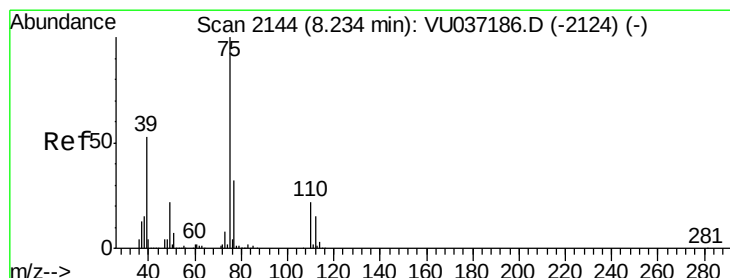
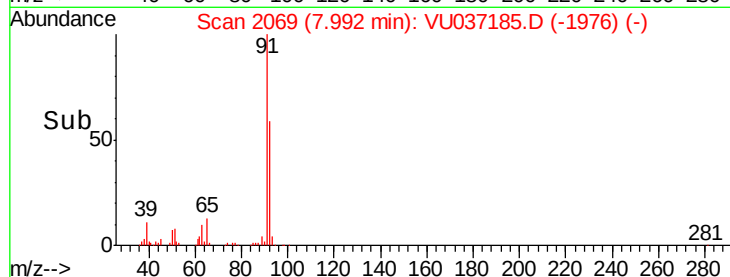
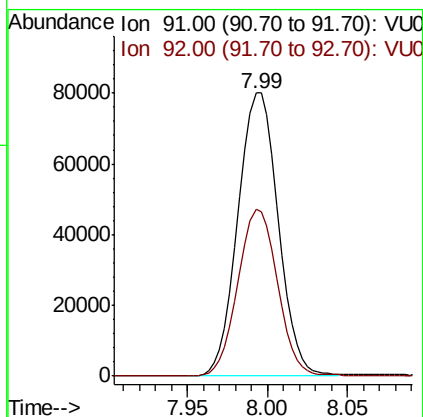
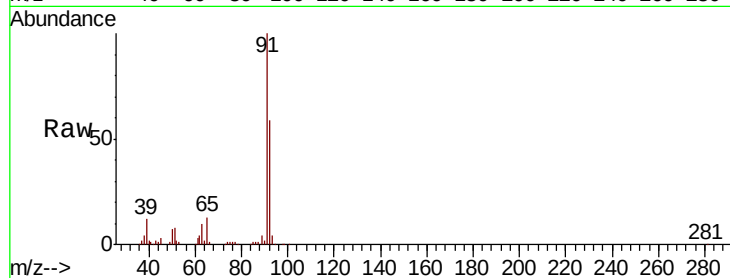
ClientSampled :

Tot Ion: 91 Resp: 137862

Ion Ratio Lower Upper

91 100

92 58.8 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 9.929 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037185.D

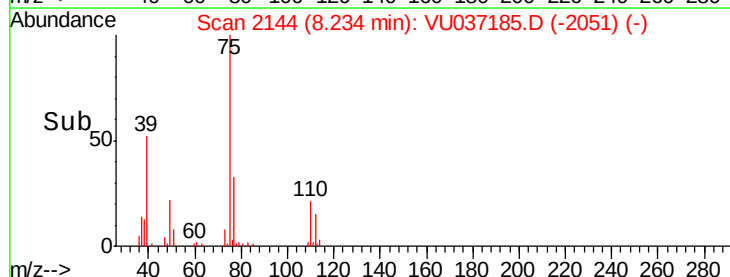
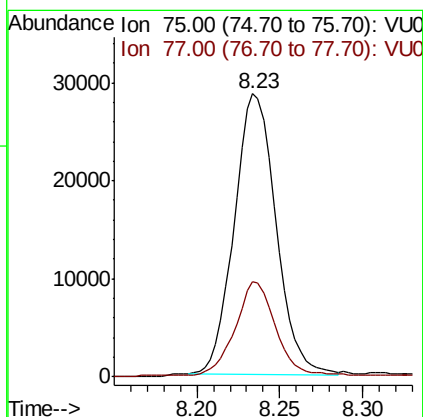
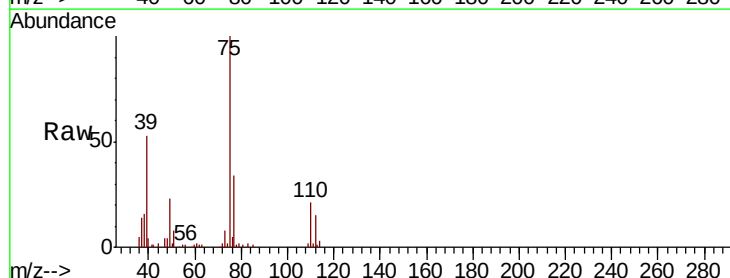
Acq: 12 Mar 2020 13:02

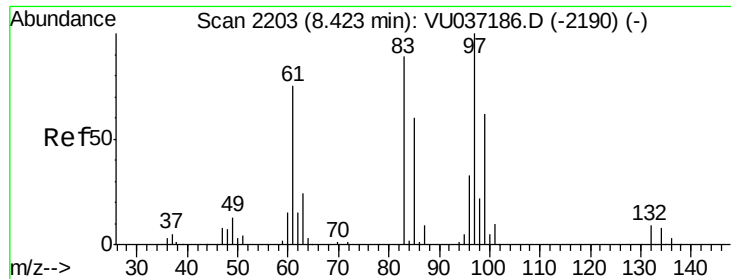
Tgt Ion: 75 Resp: 50267

Ion Ratio Lower Upper

75 100

77 33.8 22.1 41.1

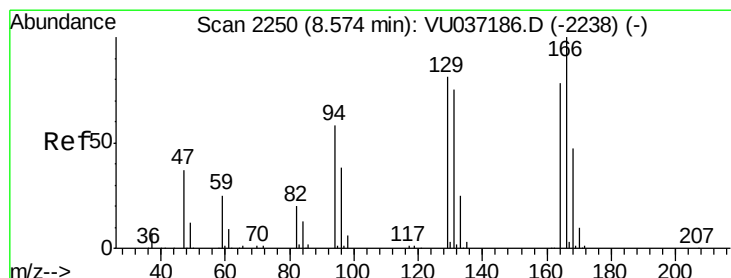
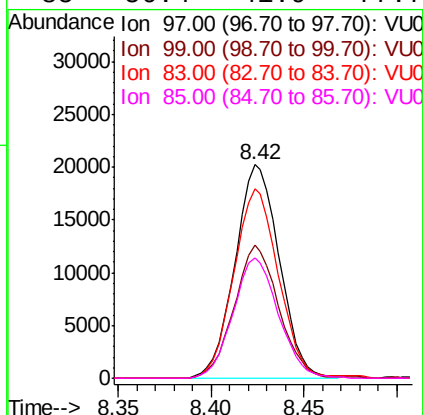
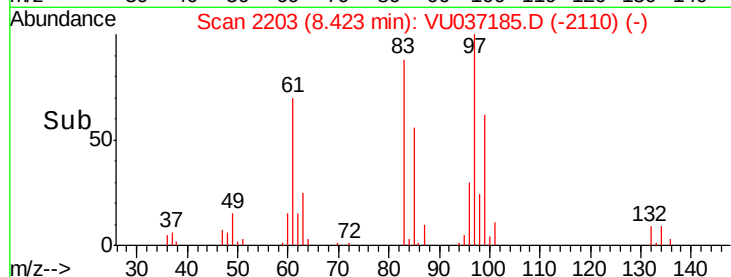
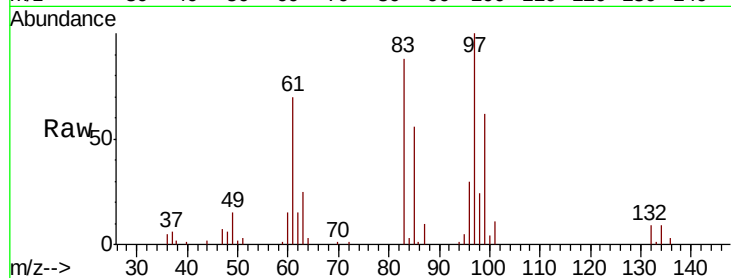




#45
1,1,2-Trichloroethane
Concen: 10.692 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

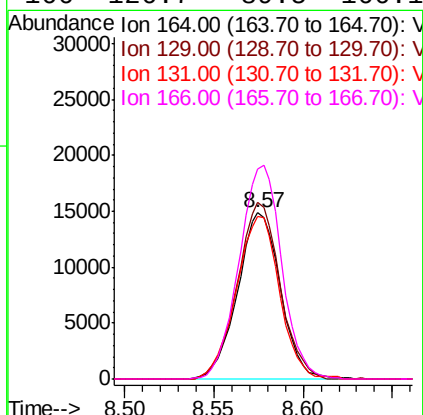
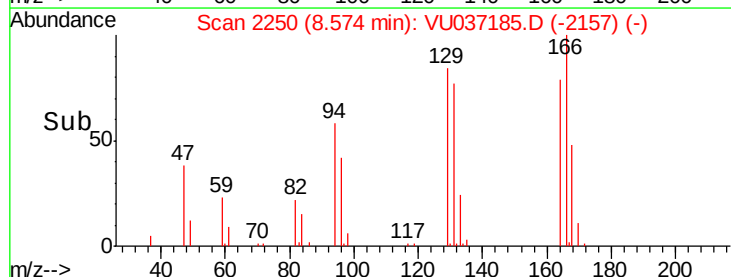
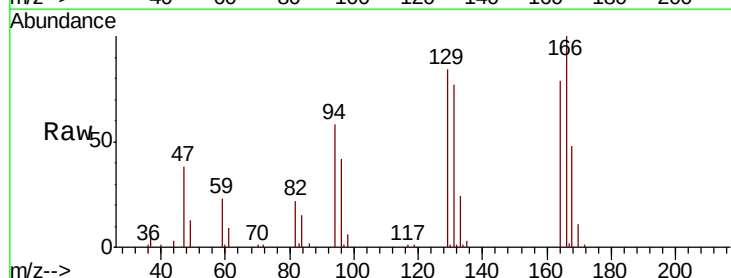
Instrument :
MSVOA_U
ClientSampleId :

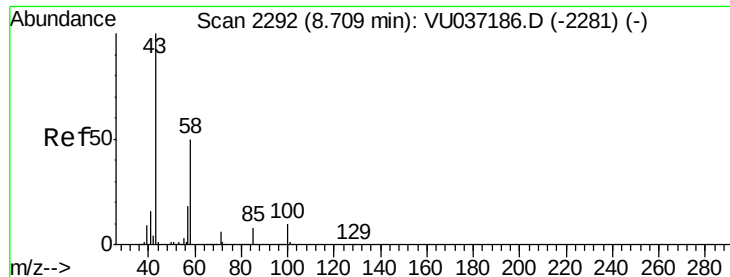
Tot Ion: 97 Resp: 33667
Ion Ratio Lower Upper
97 100
99 62.2 43.5 80.9
83 88.5 62.4 116.0
85 56.4 41.9 77.7



#46
Tetrachloroethene
Concen: 10.536 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Tgt Ion: 164 Resp: 24746
Ion Ratio Lower Upper
164 100
129 106.6 72.4 134.5
131 97.7 67.1 124.7
166 126.7 89.5 166.1

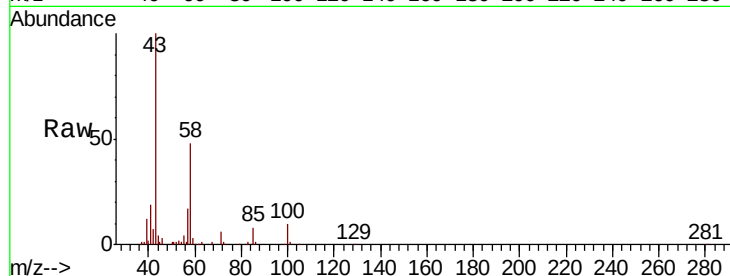




#48
2-Hexanone
Concen: 19.963 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.8	59.6
57	16.2	14.5	21.7
100	9.7	7.9	11.9



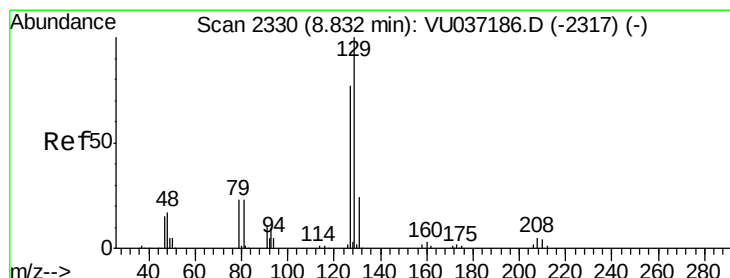
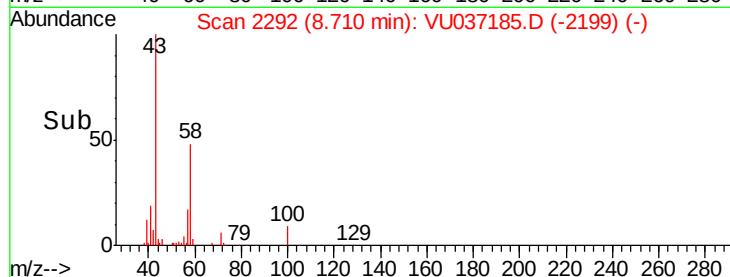
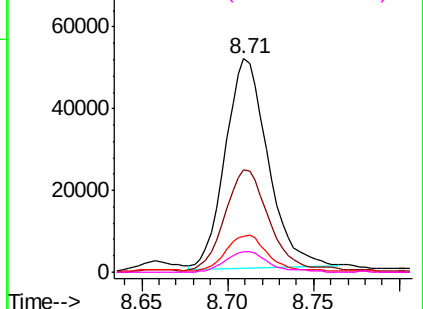
Abundance

Ion 43.00 (42.70 to 43.70): VU037185.D (-2281) (-)

Ion 58.00 (57.70 to 58.70): VU037185.D (-2281) (-)

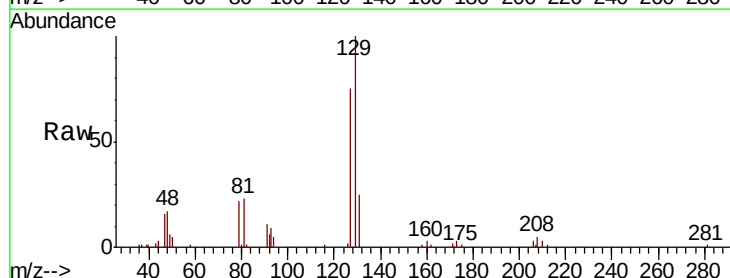
Ion 57.00 (56.70 to 57.70): VU037185.D (-2281) (-)

Ion 100.00 (99.70 to 100.70): VU037185.D (-2281) (-)



#49
Dibromochloromethane
Concen: 10.452 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037185.D
Acq: 12 Mar 2020 13:02

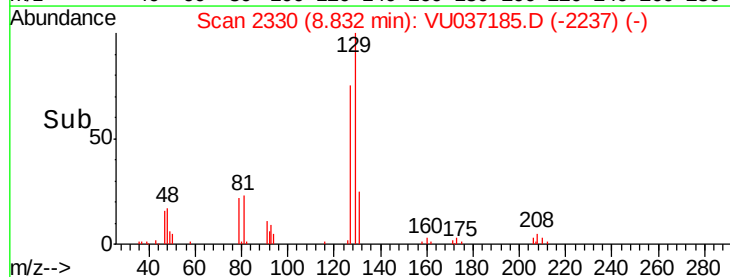
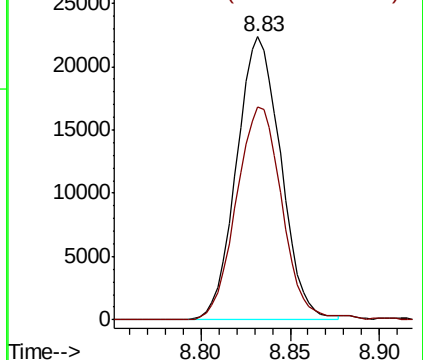
Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	53.8	100.0

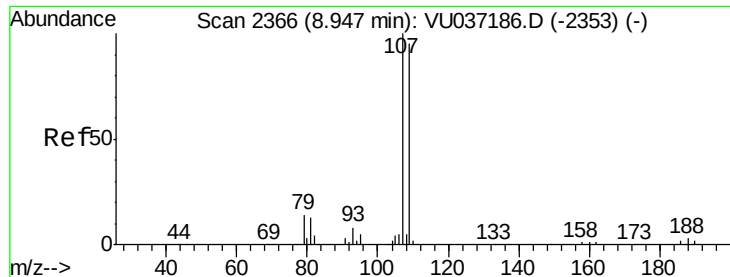


Abundance

Ion 129.00 (128.70 to 129.70): VU037185.D (-2317) (-)

Ion 127.00 (126.70 to 127.70): VU037185.D (-2317) (-)

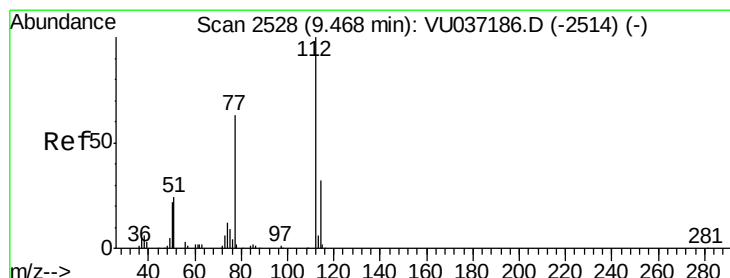
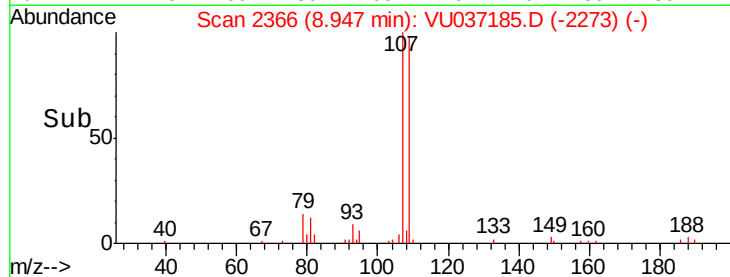
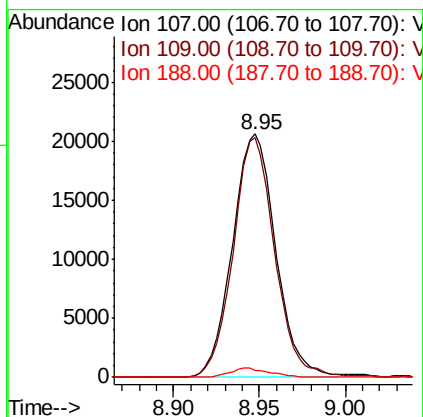
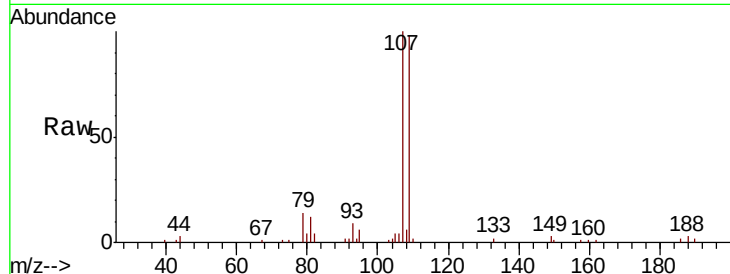




#50
 1,2-Dibromoethane
 Concen: 10.602 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

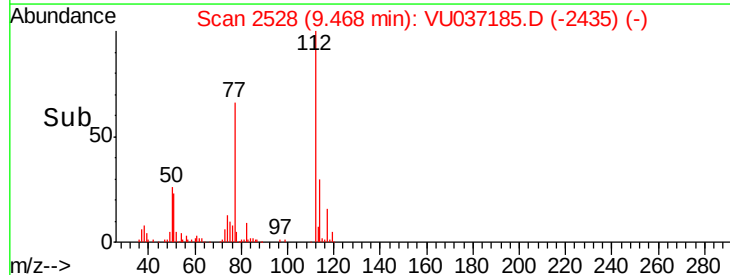
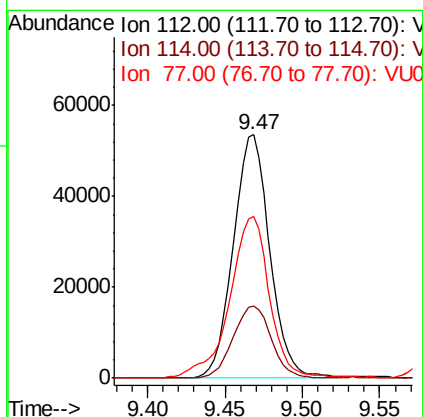
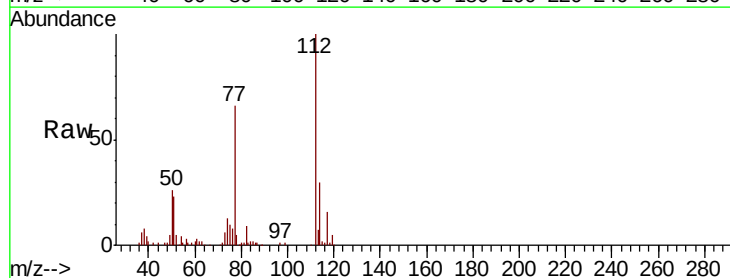
Instrument :
 MSVOA_U
 ClientSampleId :

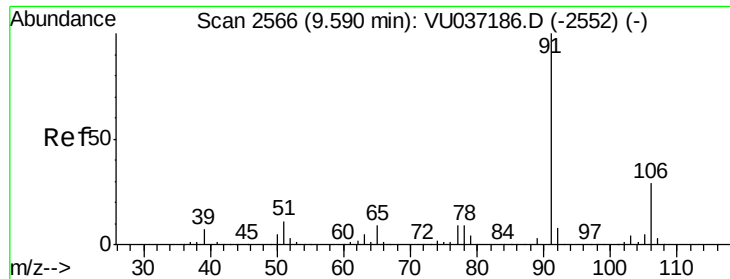
Tot Ion	107	Resp	36025
Ion Ratio	Lower	Upper	
107	100		
109	98.4	66.5	123.5
188	3.1	2.6	4.0



#51
 Chlorobenzene
 Concen: 10.525 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Tgt Ion	112	Resp	87937
Ion Ratio	Lower	Upper	
112	100		
114	29.8	22.6	42.0
77	66.4	51.0	76.4





#52

Ethylbenzene

Concen: 10.349 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

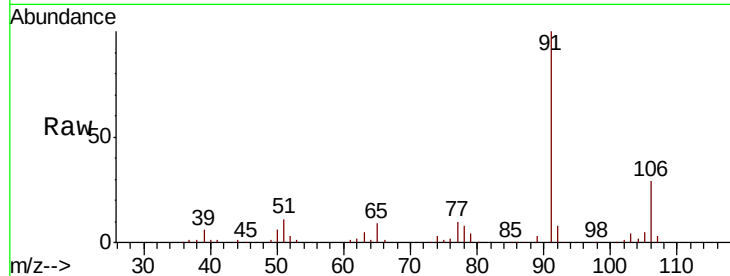
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 159199

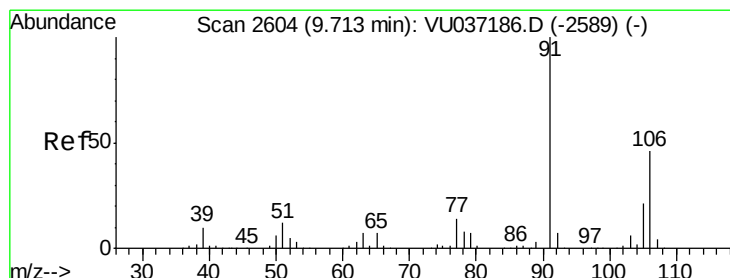
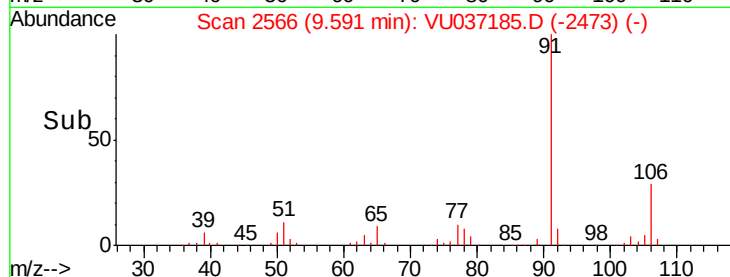
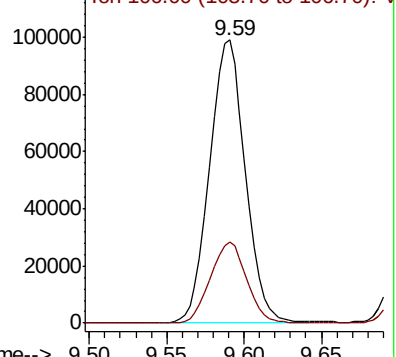
Ion Ratio Lower Upper

91 100

106 28.7 20.2 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU037186.D (-2552) (-)



#53

m,p-Xylene

Concen: 10.430 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037185.D

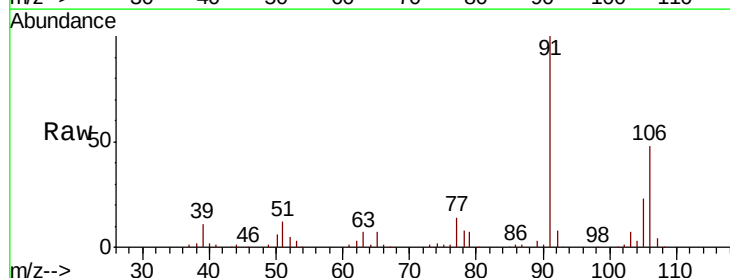
Acq: 12 Mar 2020 13:02

Tgt Ion: 106 Resp: 56749

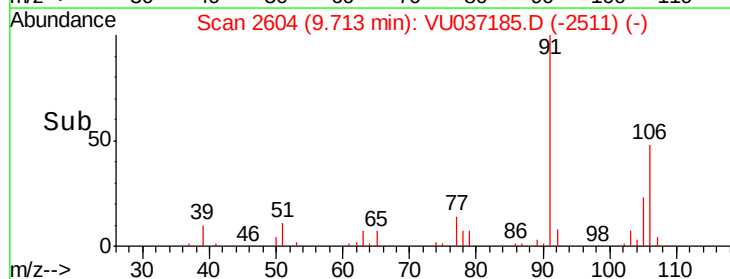
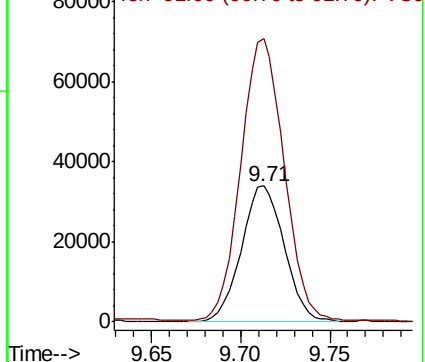
Ion Ratio Lower Upper

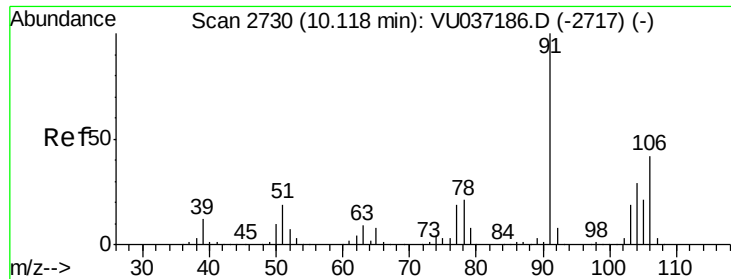
106 100

91 207.9 154.0 286.0



Abundance Ion 106.00 (105.70 to 106.70): VU037186.D (-2589) (-)





#54

o-xylene

Concen: 10.327 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

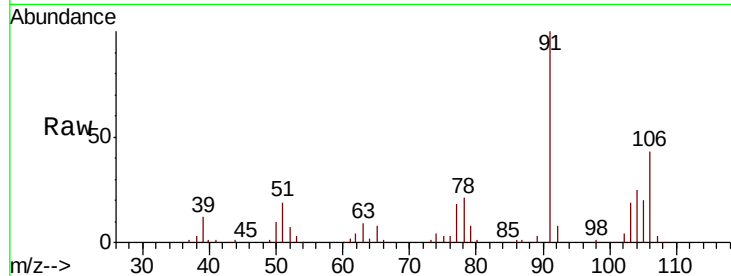
ClientSampleId :

Tot Ion:106 Resp: 55514

Ion Ratio Lower Upper

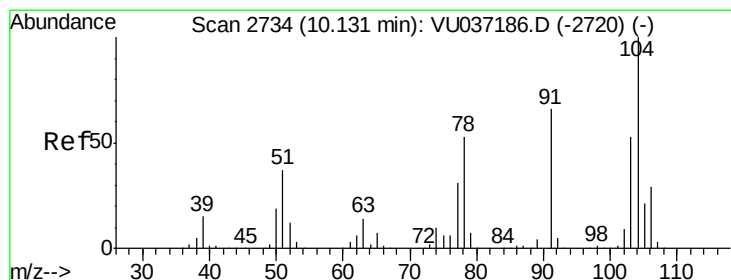
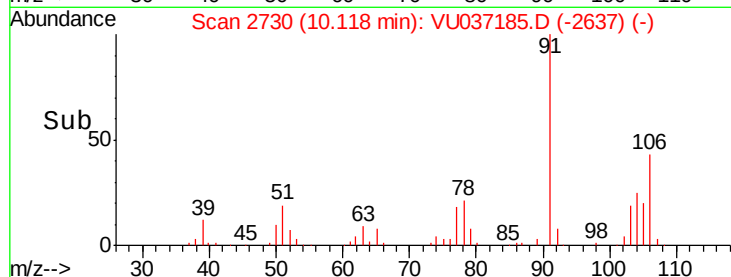
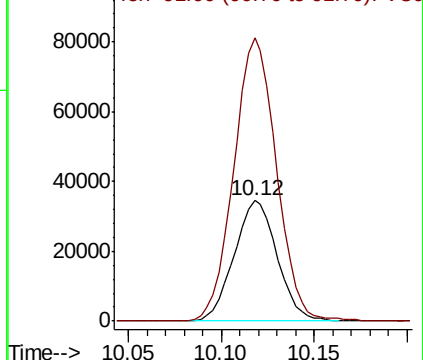
106 100

91 235.1 167.6 311.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.780 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037185.D

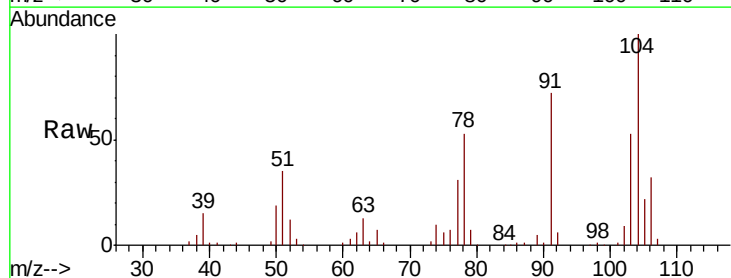
Acq: 12 Mar 2020 13:02

Tgt Ion:104 Resp: 89152

Ion Ratio Lower Upper

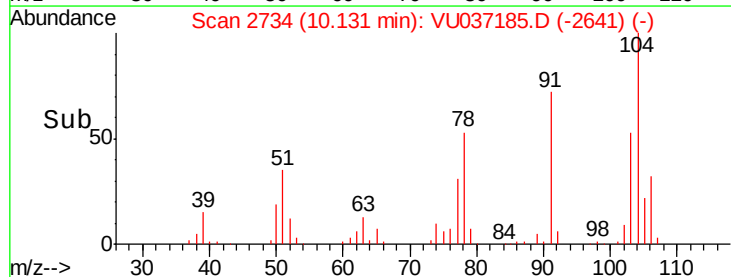
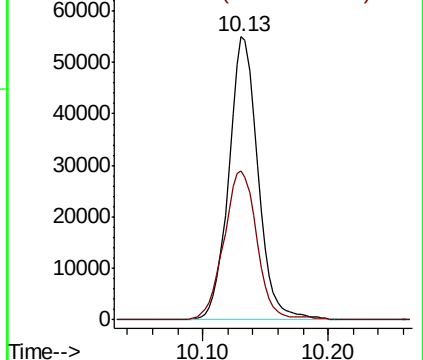
104 100

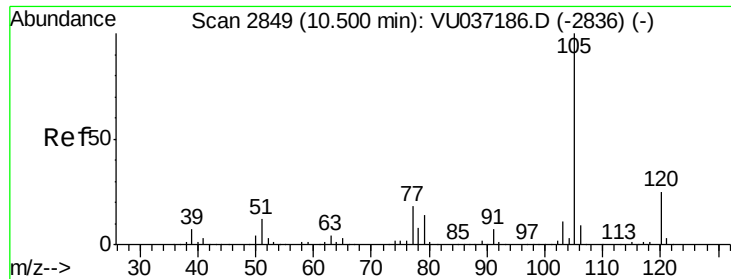
78 52.8 37.4 69.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 10.281 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

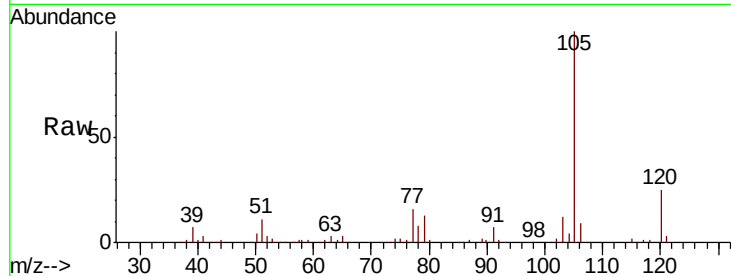
Tot Ion:105 Resp: 153615

Ion Ratio Lower Upper

105 100

120 25.3 19.9 29.9

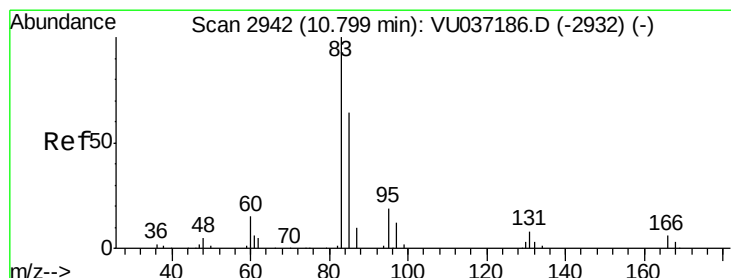
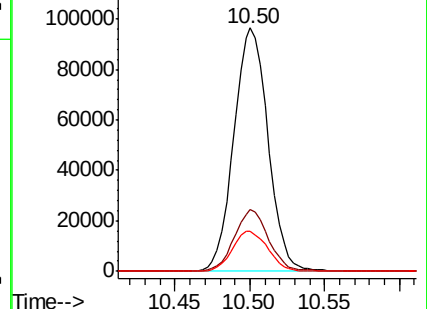
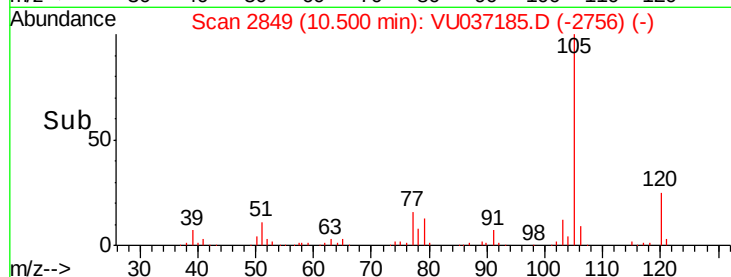
77 17.0 14.1 21.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.963 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

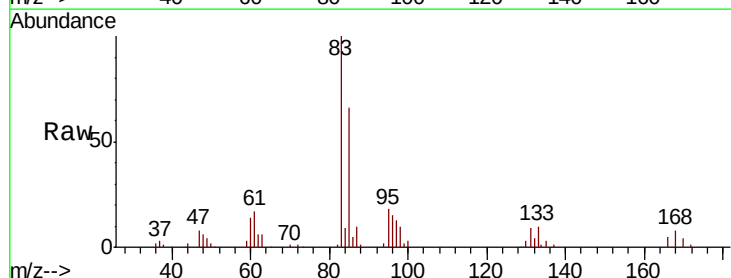
Tgt Ion: 83 Resp: 63007

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.2

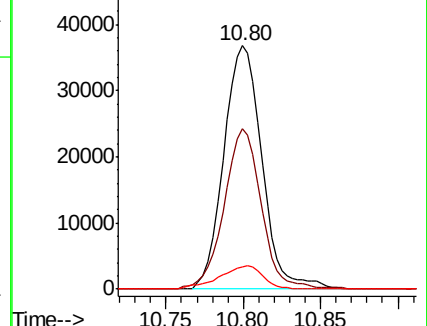
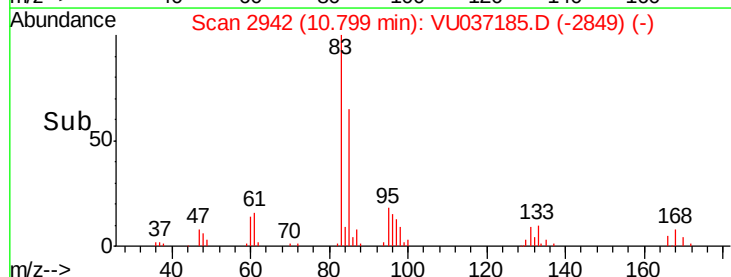
131 9.0 7.7 11.5

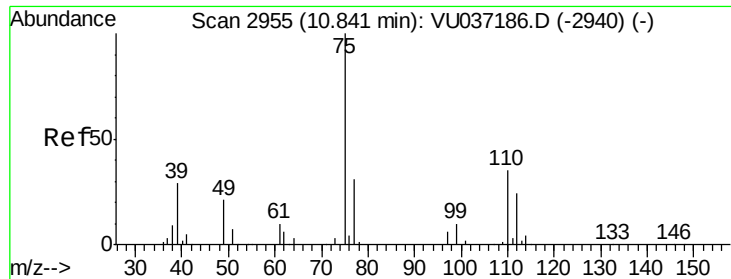


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.875 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

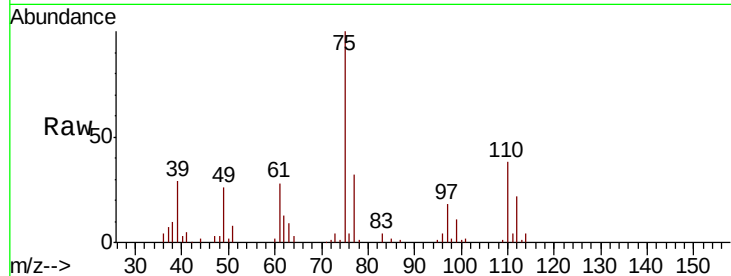
ClientSampleId :

Tot Ion: 75 Resp: 52278

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU037186.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU037186.D (-2940) (-)

10.84

30000

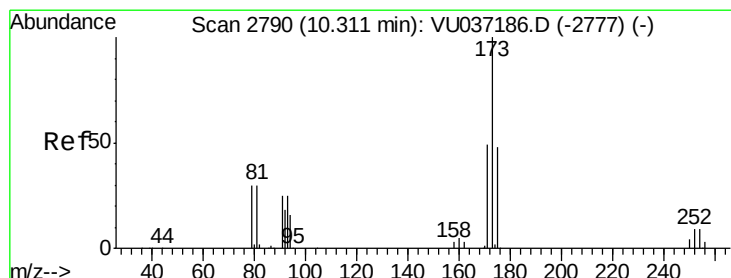
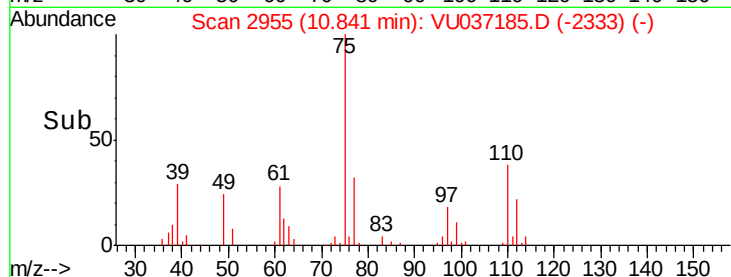
20000

10000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 10.636 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

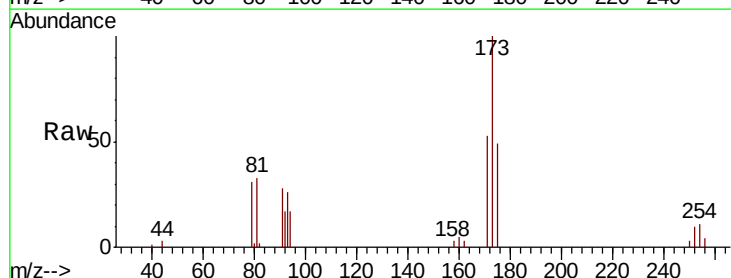
Tgt Ion: 173 Resp: 29677

Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 9.8 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VU037186.D (-2777) (-)

Ion 175.00 (174.70 to 175.70): VU037186.D (-2777) (-)

Ion 254.00 (253.70 to 254.70): VU037186.D (-2777) (-)

10.31

20000

15000

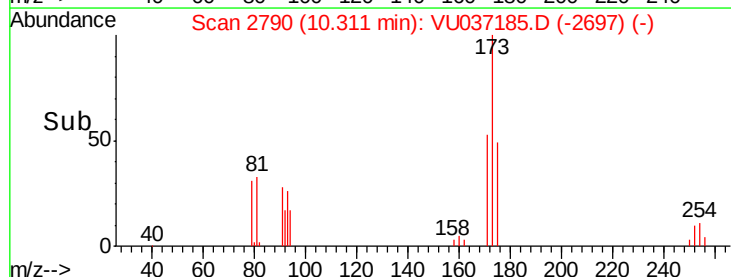
10000

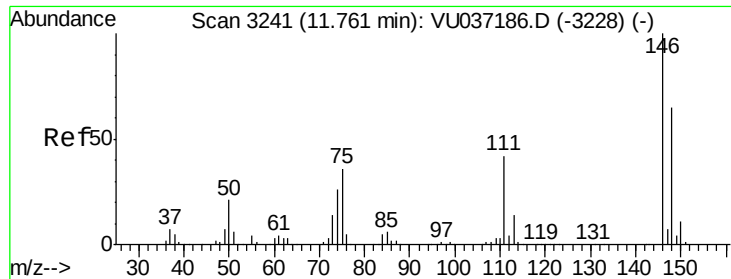
5000

0

10.25 10.30 10.35

Time-->

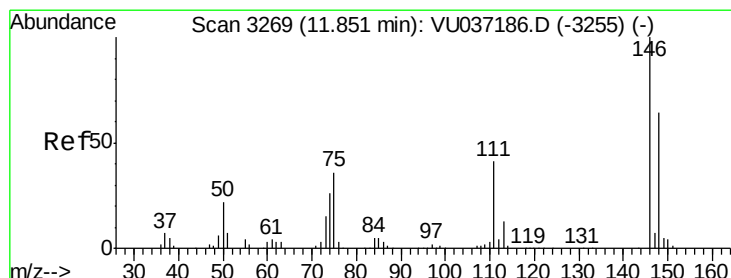
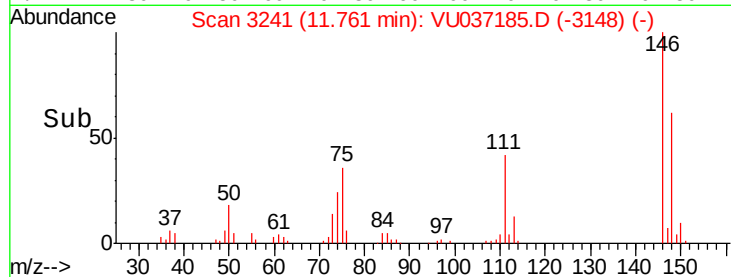
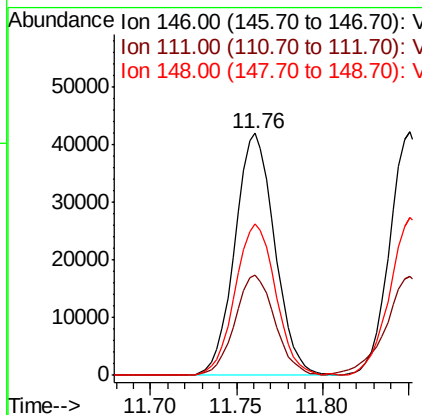
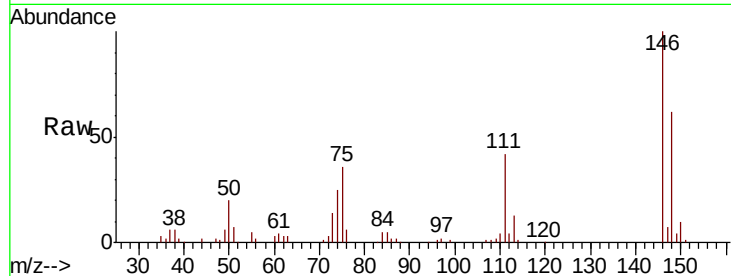




#62
 1,3-Dichlorobenzene
 Concen: 10.674 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

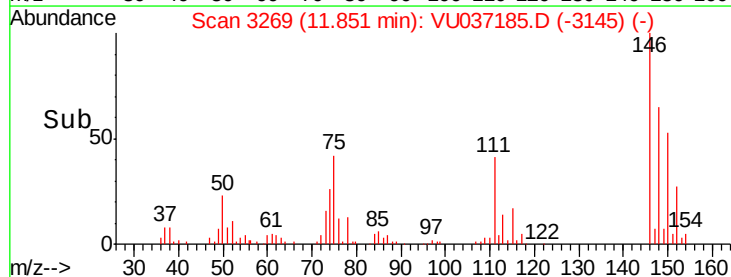
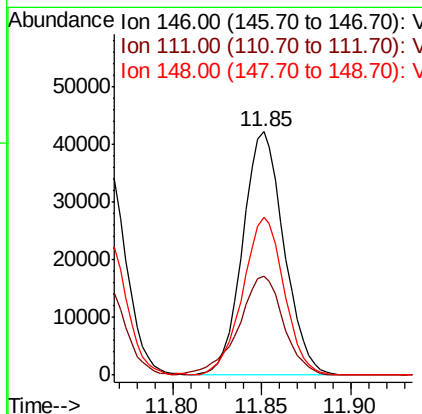
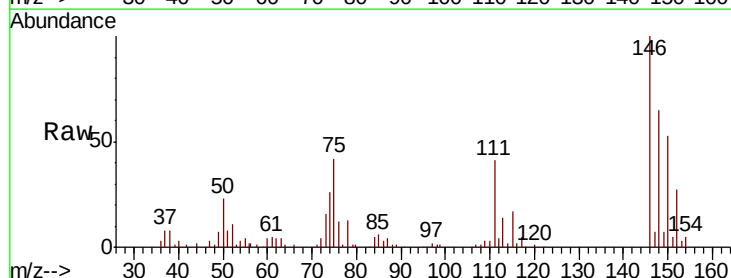
Instrument :
 MSVOA_U
 ClientSampled :

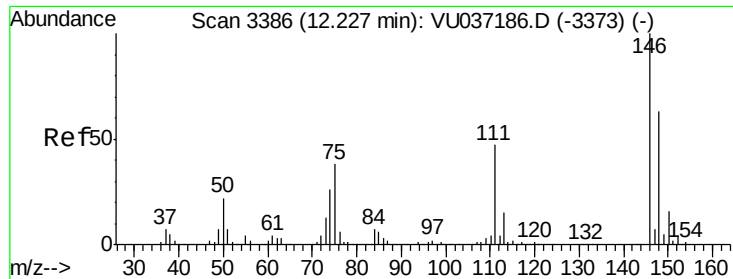
Tot Ion:146 Resp: 67586
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.2 54.2
 148 62.5 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 10.638 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Tgt Ion:146 Resp: 68077
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.5 52.9
 148 65.0 44.8 83.2

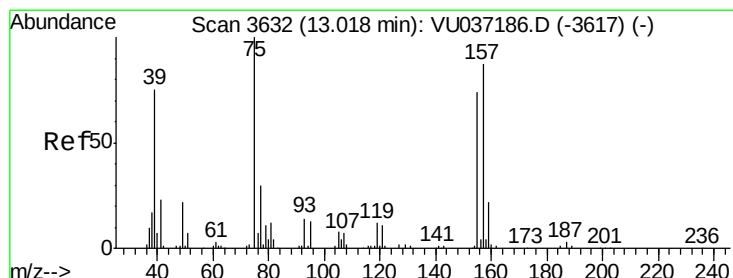
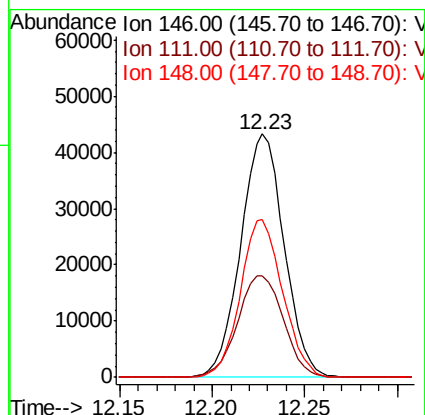
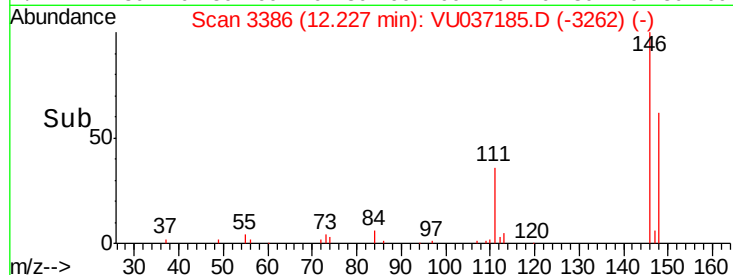
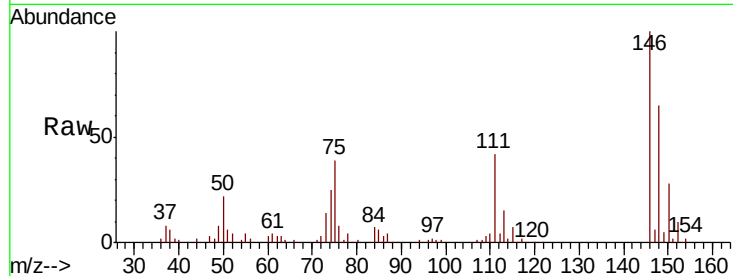




#65
 1,2-Dichlorobenzene
 Concen: 10.877 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

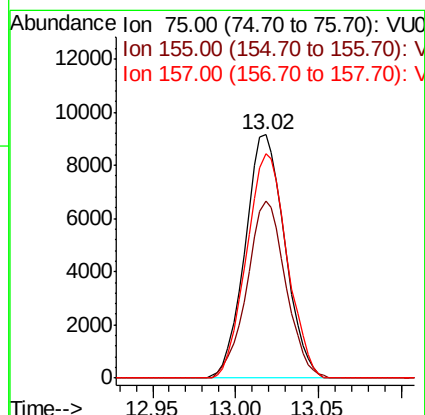
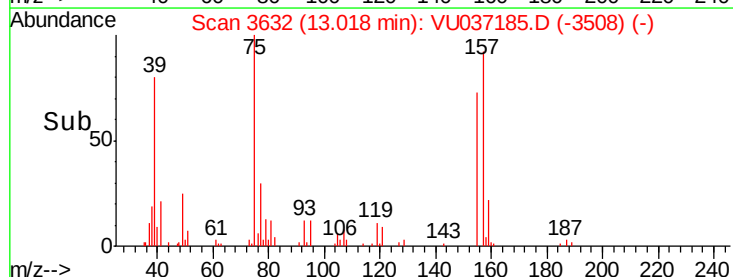
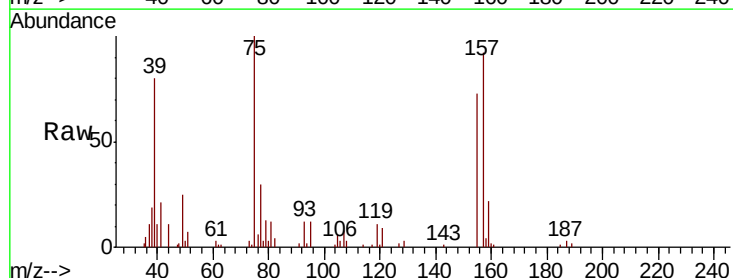
Instrument :
 MSVOA_U
 ClientSampled :

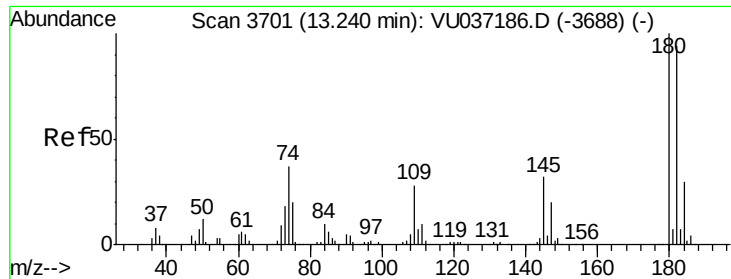
Tot Ion:146 Resp: 70343
 Ion Ratio Lower Upper
 146 100
 111 41.7 37.4 56.2
 148 64.8 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.652 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Tgt Ion: 75 Resp: 15188
 Ion Ratio Lower Upper
 75 100
 155 72.8 59.0 88.4
 157 92.0 69.9 104.9

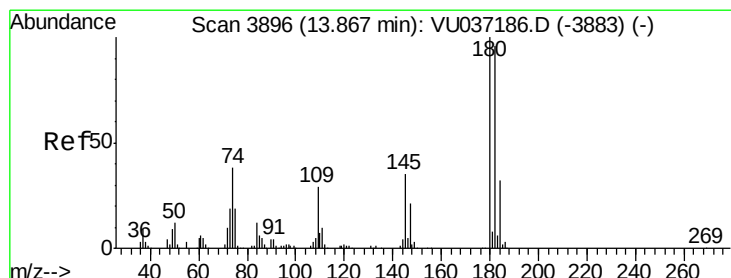
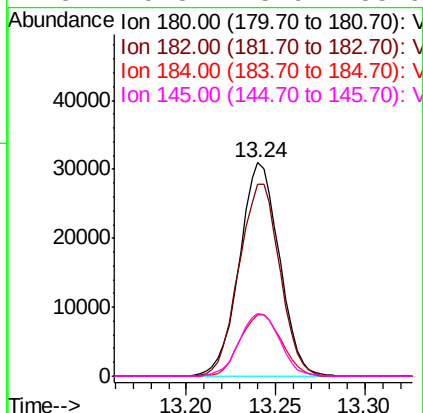
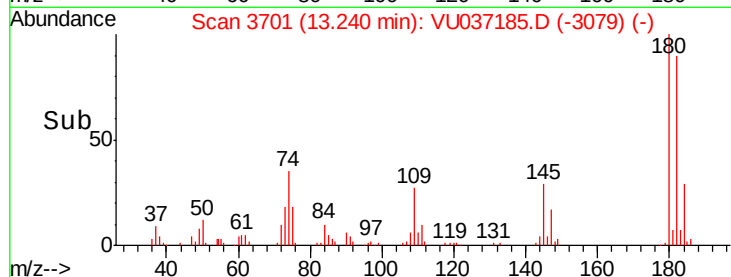
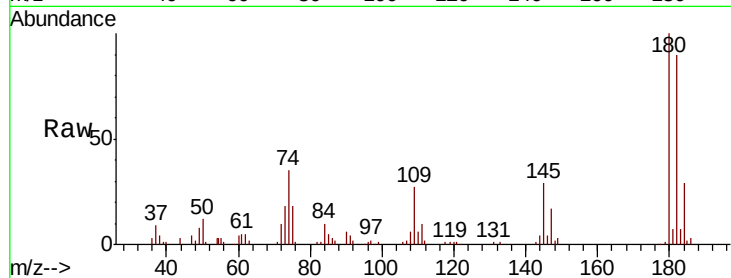




#67
 1,3,5-Trichlorobenzene
 Concen: 10.510 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

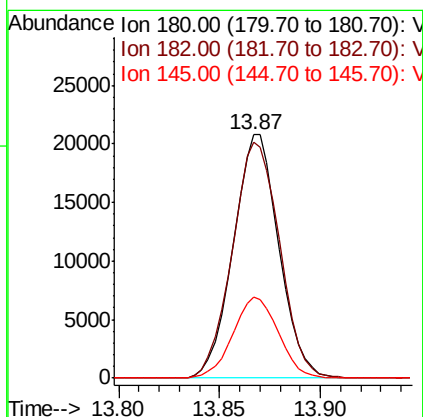
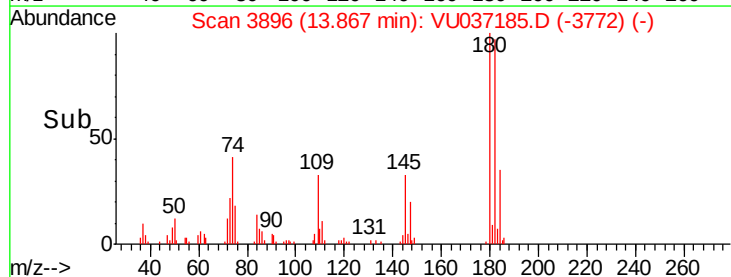
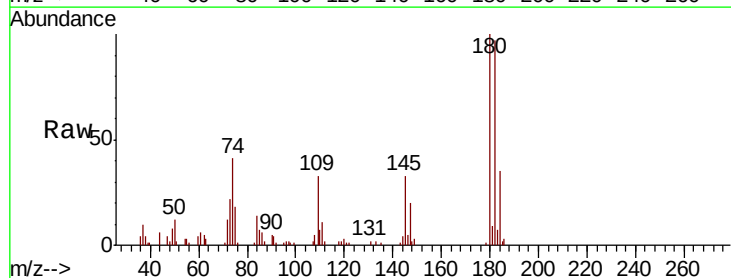
Instrument :
 MSVOA_U
 ClientSampleId :

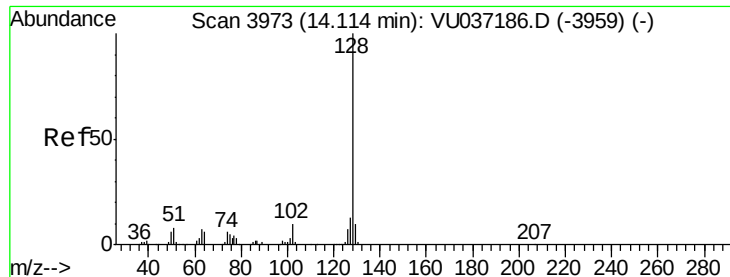
Tot Ion:180	Resp:	48497
Ion Ratio	Lower	Upper
180 100		
182 92.1	75.8	113.8
184 30.0	24.5	36.7
145 29.8	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 9.126 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037185.D
 Acq: 12 Mar 2020 13:02

Tgt Ion:180	Resp:	32884	
Ion Ratio	Lower	Upper	
180 100			
182 100.7	75.9	113.9	
145 33.1	26.7	40.1	





#69

Naphthalene

Concen: 8.524 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

Instrument :

MSVOA_U

ClientSampleId :

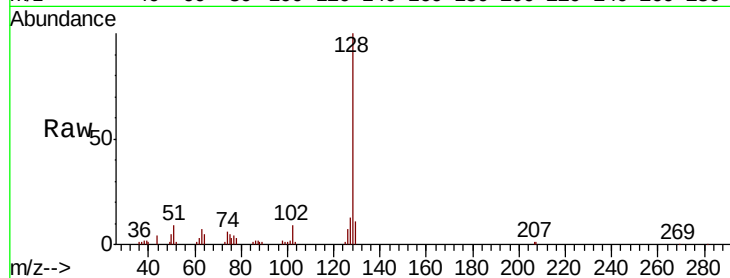
Tot Ion:128 Resp: 46578

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

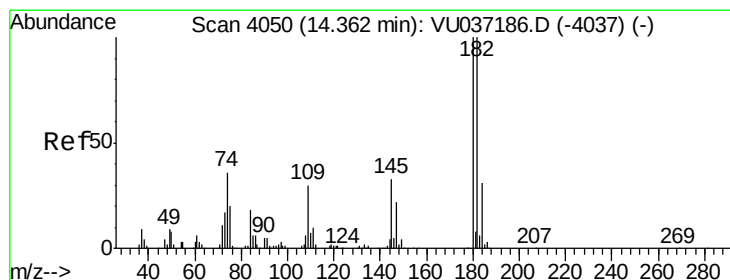
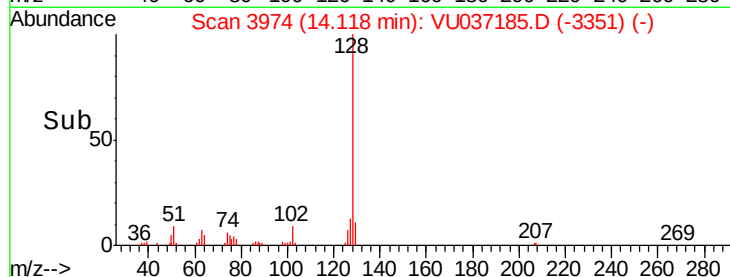
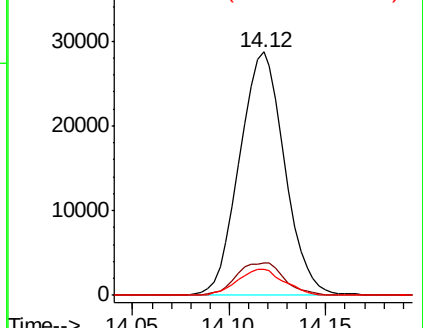
129 11.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.722 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037185.D

Acq: 12 Mar 2020 13:02

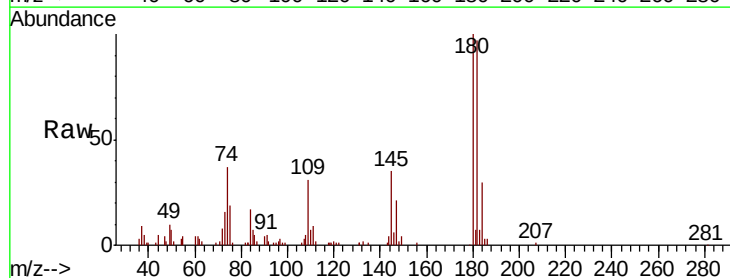
Tgt Ion:180 Resp: 36763

Ion Ratio Lower Upper

180 100

182 94.7 77.8 116.6

145 34.0 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

