

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
 Data File : VU037362.D
 Acq On : 21 Mar 2020 18:35
 Operator : JC/MD
 Sample : VSTD05036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 23 04:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 23 04:00:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293045	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	286215	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150043	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137656	58.57	ug/L	0.00
7) Chloroethane-d5	1.93	69	106400	56.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	221548	52.78	ug/L	0.00
21) 2-Butanone-d5	4.67	46	187815	104.43	ug/L	0.00
24) Chloroform-d	5.10	84	228785	52.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	162632	51.32	ug/L	0.00
32) Benzene-d6	5.76	84	422656	53.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	133792	51.89	ug/L	0.00
41) Toluene-d8	7.92	98	411001	54.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	75760	53.50	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	149208	110.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	205146	51.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	161309	51.64	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	158617	52.171	ug/L	100
3) Chloromethane	1.54	50	143027	55.940	ug/L	100
5) Vinyl chloride	1.62	62	139373	51.353	ug/L	100
6) Bromomethane	1.87	94	63351	58.436	ug/L	100
8) Chloroethane	1.95	64	76577	48.668	ug/L	100
9) Trichlorofluoromethane	2.16	101	205151	50.045	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	94385	49.560	ug/L	100
12) 1,1-Dichloroethene	2.60	96	89470	51.326	ug/L	100
13) Acetone	2.66	43	117079	73.026	ug/L	100
14) Carbon disulfide	2.82	76	287394	56.470	ug/L	100
15) Methyl Acetate	2.98	43	122939	46.565	ug/L	100
16) Methylene chloride	3.08	84	102750	47.863	ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	93670	51.403	ug/L	100
18) Methyl tert-butyl Ether	3.40	73	326566	47.293	ug/L	100
19) 1,1-Dichloroethane	3.91	63	186834	46.880	ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	104824	48.179	ug/L	100
22) 2-Butanone	4.75	43	180185	86.518	ug/L	100
23) Bromochloromethane	5.02	128	57373	51.346	ug/L	100
25) Chloroform	5.13	83	202156	46.670	ug/L	100
27) 1,2-Dichloroethane	5.83	62	169631	44.447	ug/L	100
29) Cyclohexane	5.42	56	162415	48.493	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	188850	49.784	ug/L	100
31) Carbon tetrachloride	5.56	117	165774	49.530	ug/L	100
33) Benzene	5.81	78	407718	48.735	ug/L	100
34) Trichloroethene	6.57	95	106627	48.699	ug/L	100
35) Methylcyclohexane	6.79	83	165295	49.915	ug/L	100
37) 1,2-Dichloropropane	6.82	63	108469	45.966	ug/L	100
38) Bromodichloromethane	7.13	83	154398	46.730	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	170164	46.639	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	351691	91.939	ug/L	100

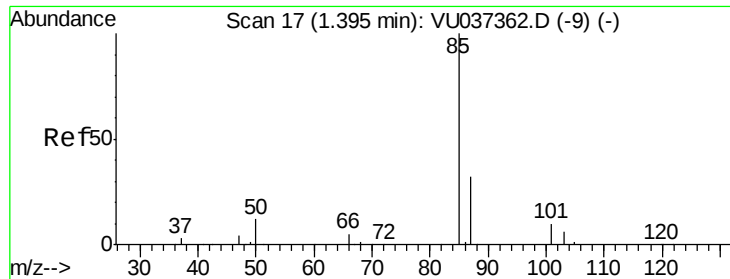
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
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 Quant Title : VOC Analysis
 QLast Update : Mon Mar 23 04:00:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	452158	49.310	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	179070	50.939	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	105232	48.411	ug/L	100
46) Tetrachloroethene	8.57	164	85584	52.060	ug/L	100
48) 2-Hexanone	8.71	43	277673	92.384	ug/L	100
49) Dibromochloromethane	8.83	129	127910	49.888	ug/L	100
50) 1,2-Dibromoethane	8.95	107	117318	49.858	ug/L	100
51) Chlorobenzene	9.47	112	281026	48.597	ug/L	100
52) Ethylbenzene	9.59	91	500290	47.484	ug/L	100
53) m,p-Xylene	9.71	106	184406	49.237	ug/L	100
54) o-xylene	10.12	106	183093	49.361	ug/L	100
55) Styrene	10.13	104	313498	49.830	ug/L	100
56) Isopropylbenzene	10.50	105	497342	48.430	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	184898	46.885	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	154145	46.968	ug/L	100
61) Bromoform	10.31	173	101720	48.755	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	226495	47.970	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	224319	47.219	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	229335	47.603	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	49803	47.186	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	158225	46.408	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	127729	48.162	ug/L	100
69) Naphthalene	14.12	128	368297	78.244	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	134196	47.947	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.171 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

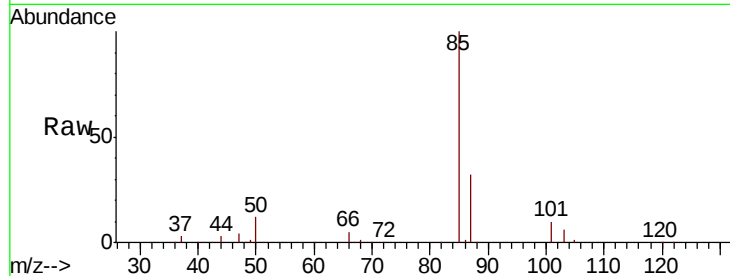
ClientSampleId :

Tot Ion: 85 Resp: 158617

Ion Ratio Lower Upper

85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU037362.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037362.D (-9) (-)

1.39

150000

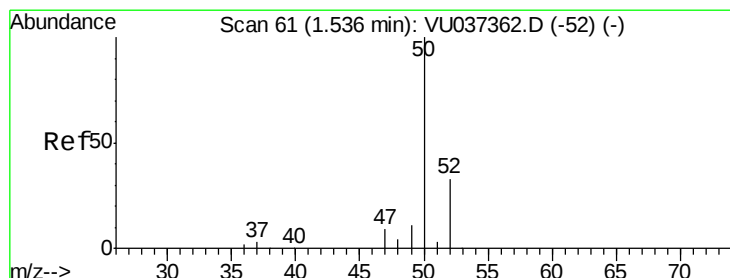
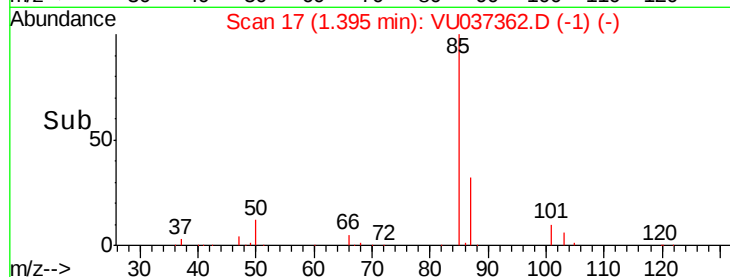
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 55.940 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037362.D

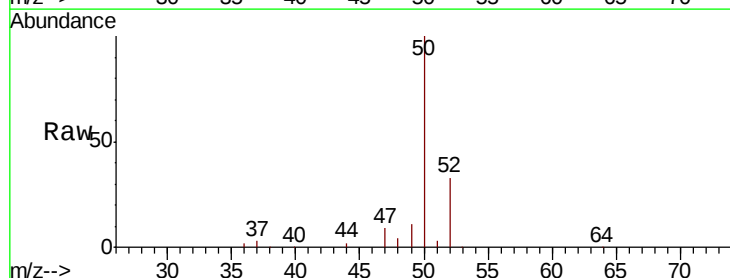
Acq: 21 Mar 2020 18:35

Tgt Ion: 50 Resp: 143027

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU037362.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037362.D (-52) (-)

1.54

150000

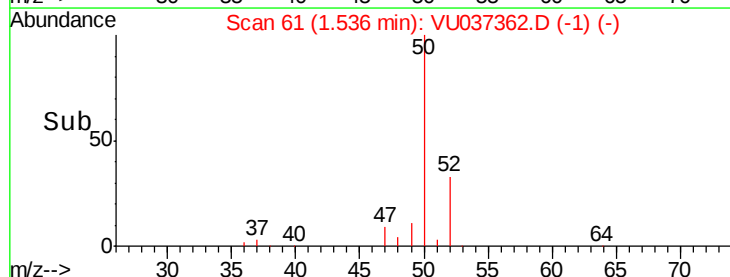
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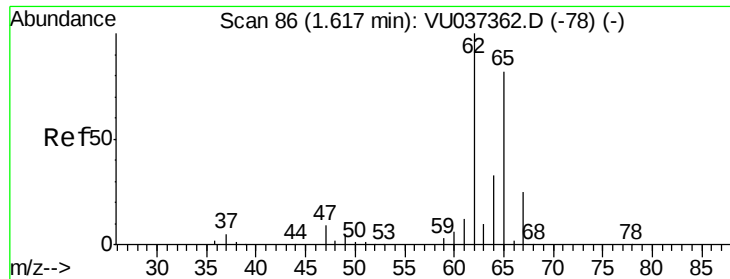
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 51.353 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

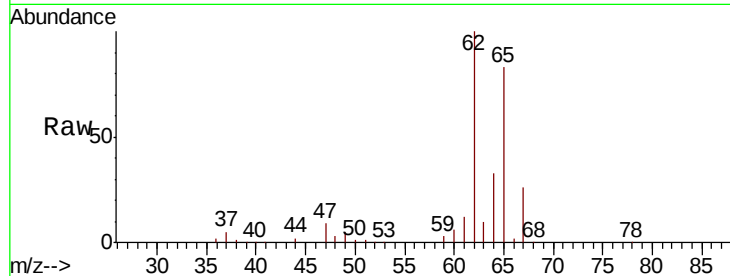
ClientSampleId :

Tot Ion: 62 Resp: 139373

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

100000

50000

0

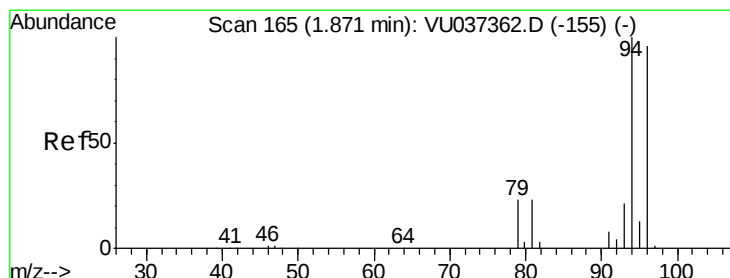
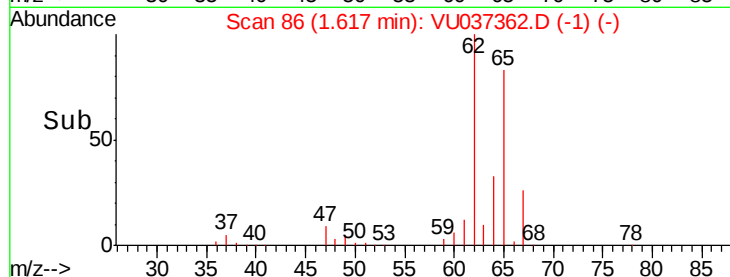
1.62

1.60

1.65

1.70

Time-->



#6

Bromomethane

Concen: 58.436 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037362.D

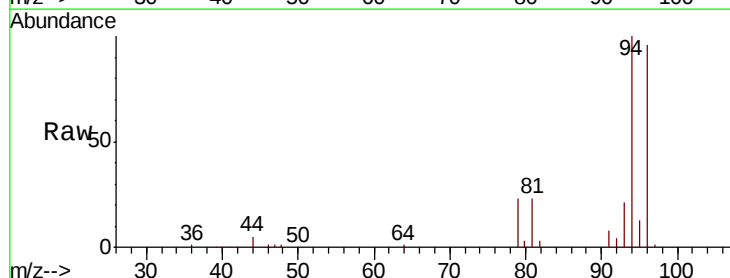
Acq: 21 Mar 2020 18:35

Tgt Ion: 94 Resp: 63351

Ion Ratio Lower Upper

94 100

96 95.9 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

20000

10000

0

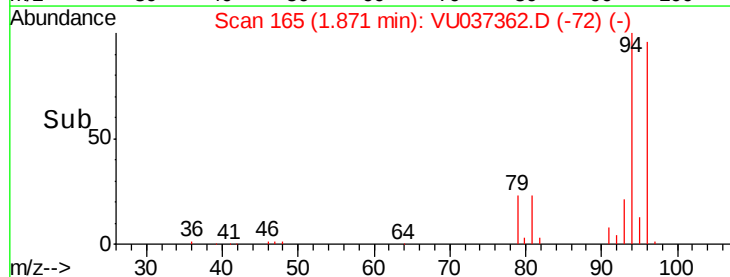
1.87

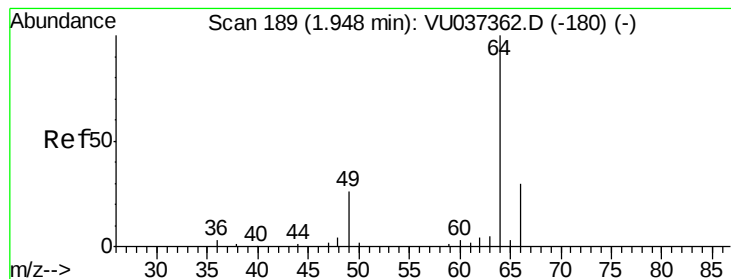
1.85

1.90

1.95

Time-->





#8

Chloroethane

Concen: 48.668 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

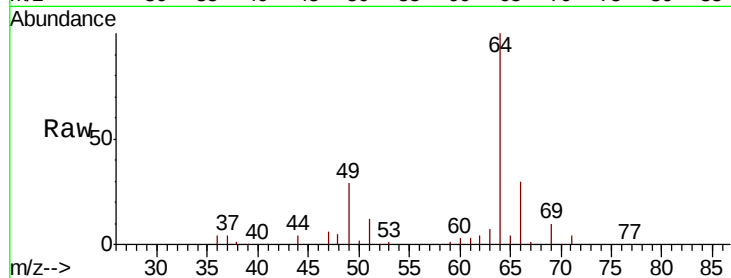
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 76577

Ion Ratio Lower Upper

64 100

66 30.2 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VU037362.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU037362.D (-180) (-)

1.95

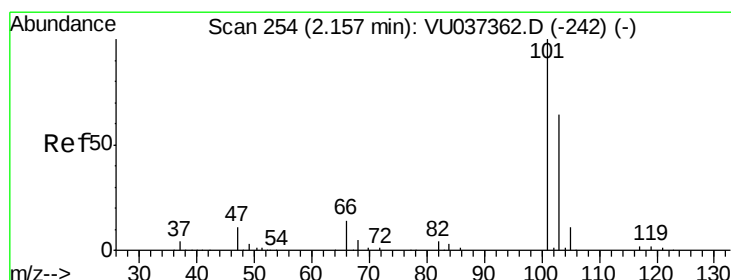
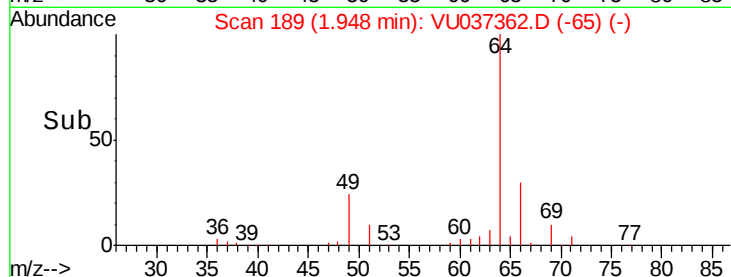
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 50.045 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037362.D

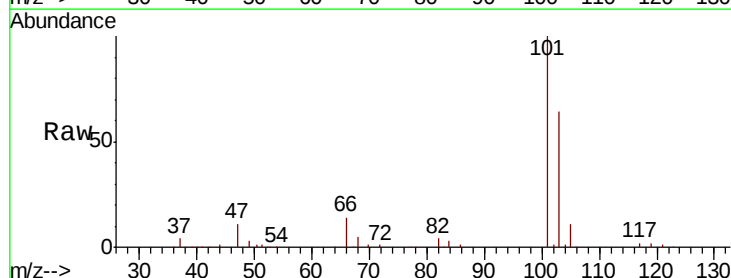
Acq: 21 Mar 2020 18:35

Tgt Ion:101 Resp: 205151

Ion Ratio Lower Upper

101 100

103 63.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU037362.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037362.D (-242) (-)

2.16

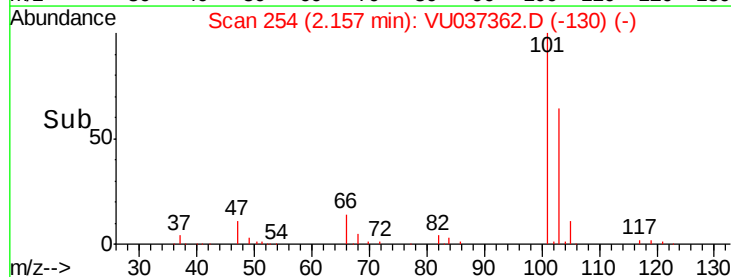
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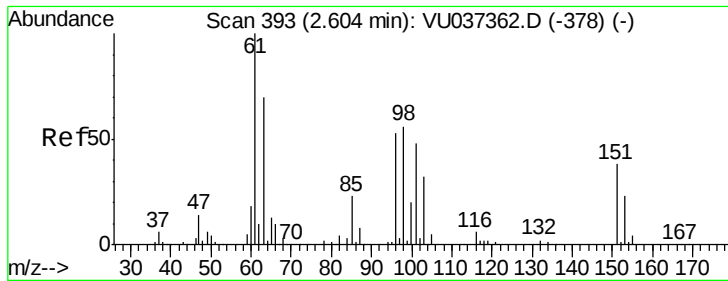
100000

50000

0

Time-->





#10

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

Concen: 49.560 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

ClientSampleId :

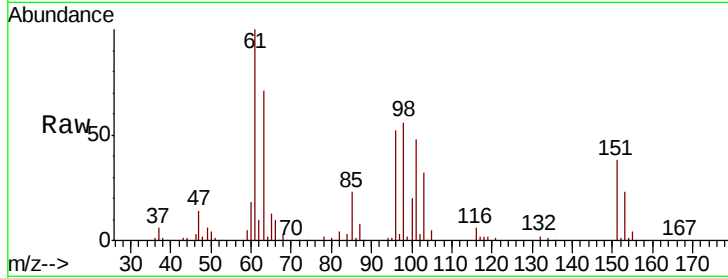
Tot Ion:101 Resp: 94385

Ion Ratio Lower Upper

101 100

85 47.0 37.6 56.4

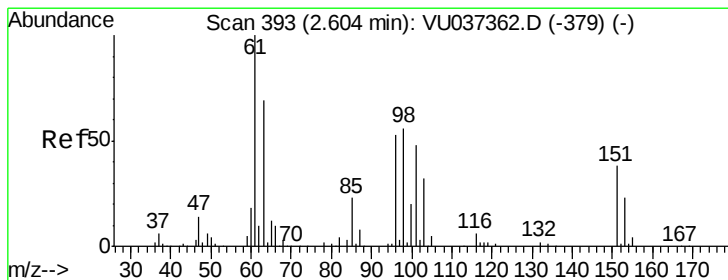
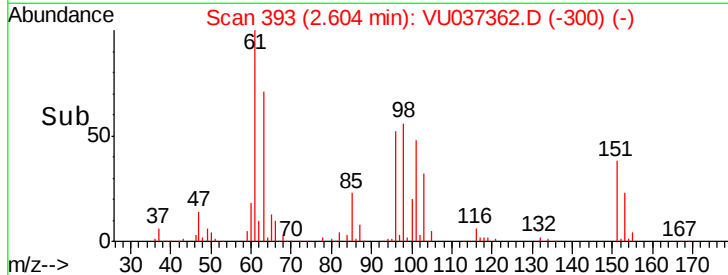
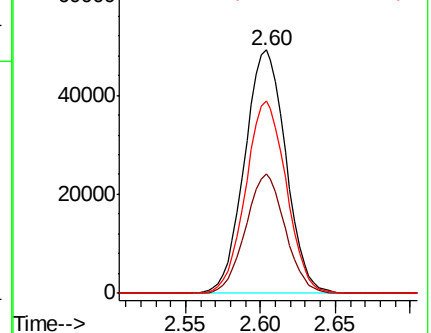
151 77.8 62.2 93.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.326 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

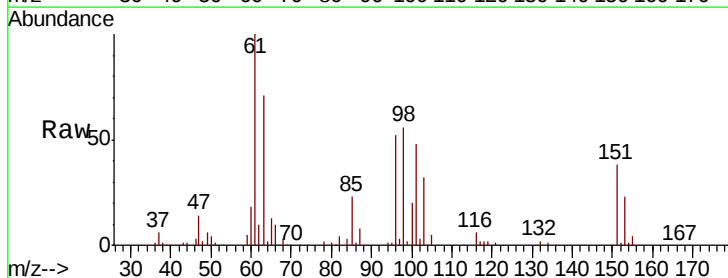
Tgt Ion: 96 Resp: 89470

Ion Ratio Lower Upper

96 100

61 190.6 133.4 247.8

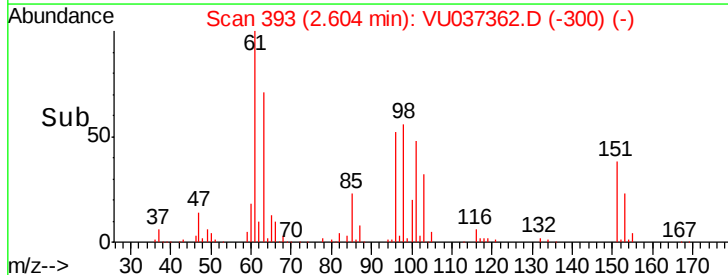
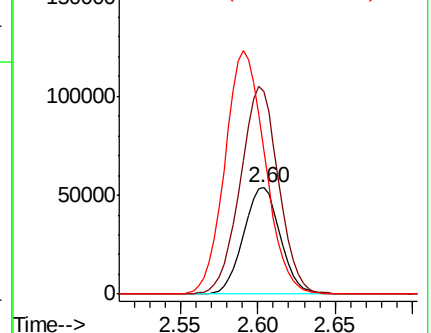
63 134.8 94.4 175.2

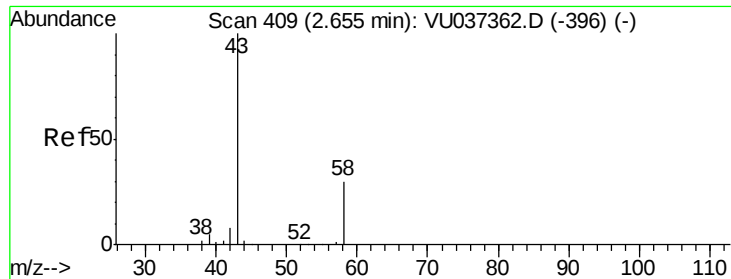


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 73.026 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

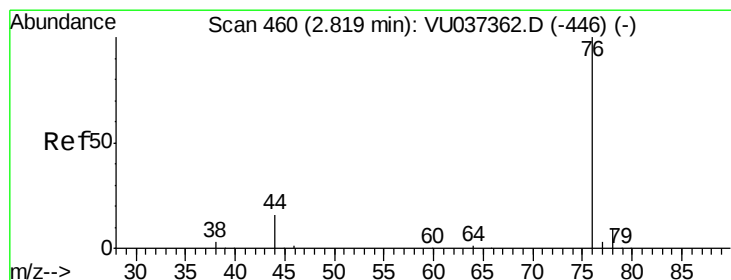
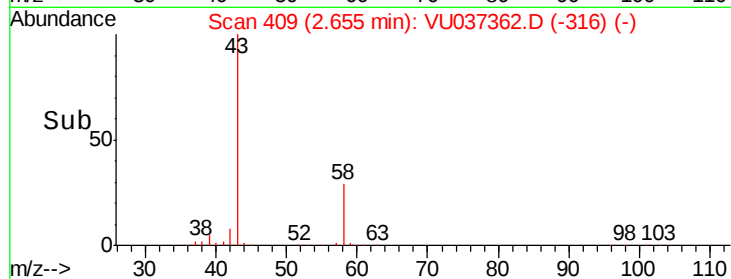
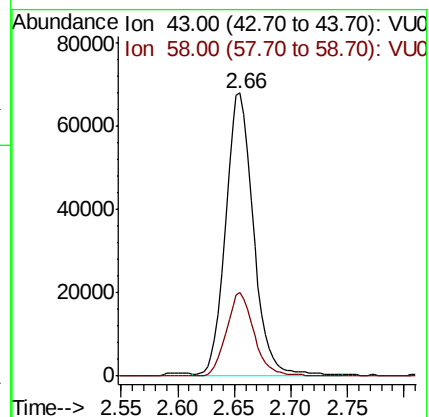
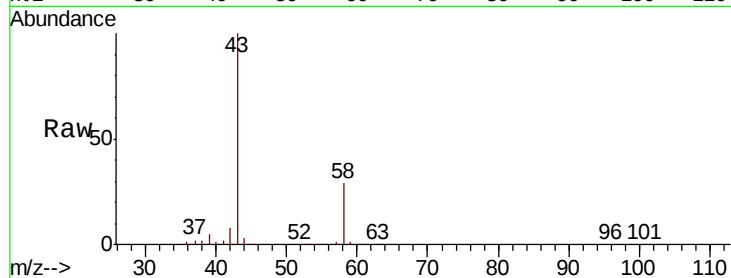
ClientSampleId :

Tot Ion: 43 Resp: 117079

Ion Ratio Lower Upper

43 100

58 29.0 0.0 58.0



#14

Carbon disulfide

Concen: 56.470 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037362.D

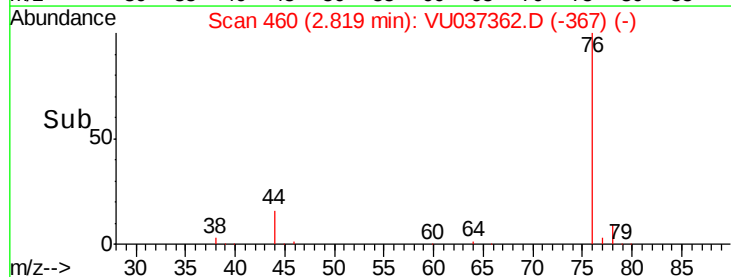
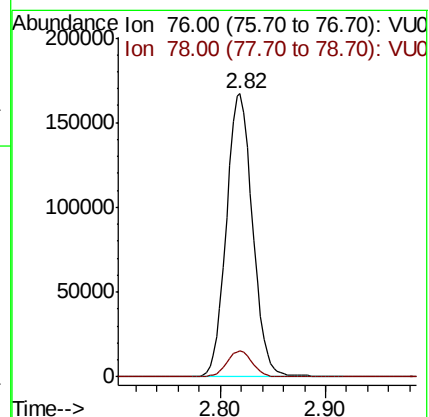
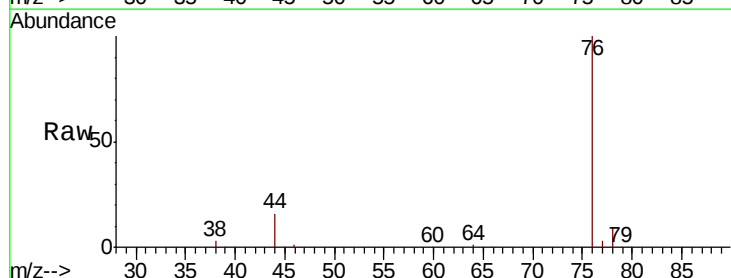
Acq: 21 Mar 2020 18:35

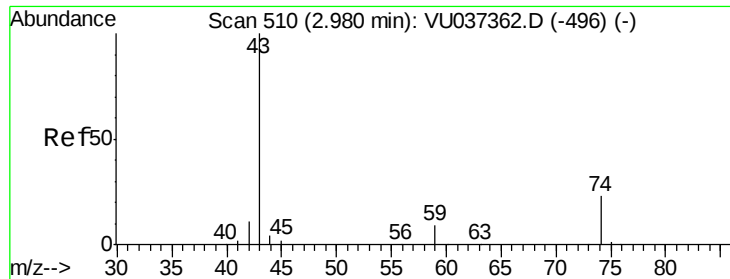
Tgt Ion: 76 Resp: 287394

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

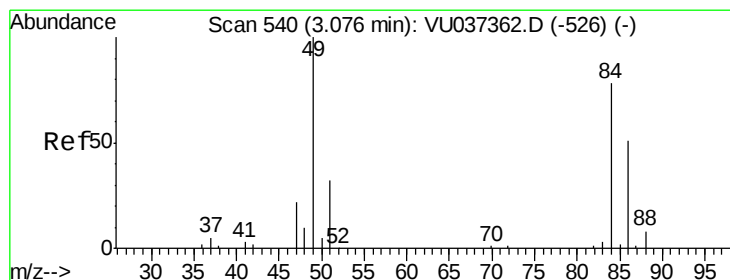
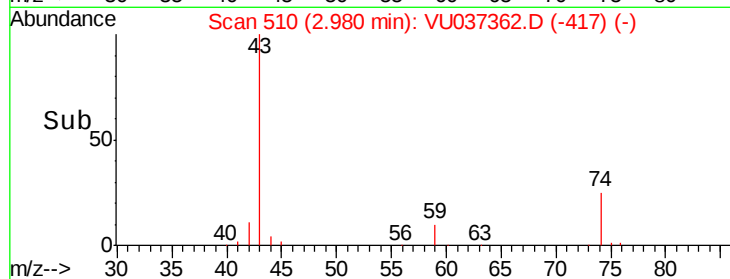
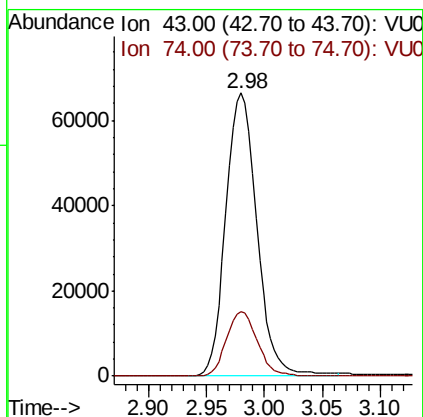
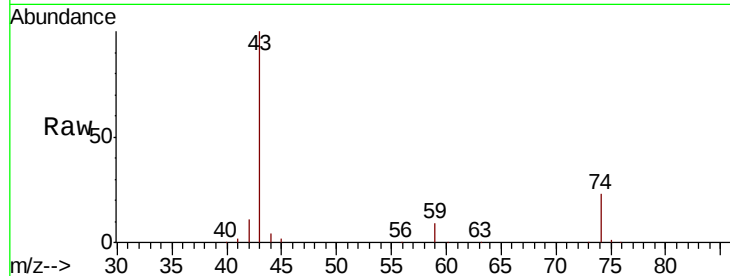




#15
Methvl Acetate
Concen: 46.565 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

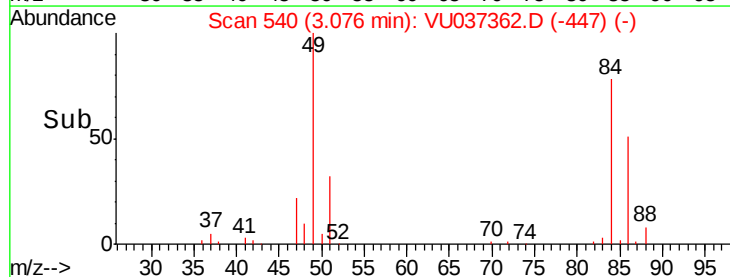
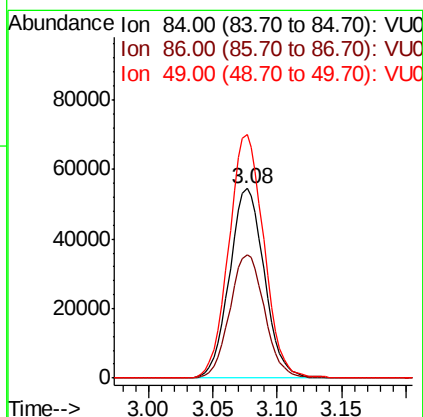
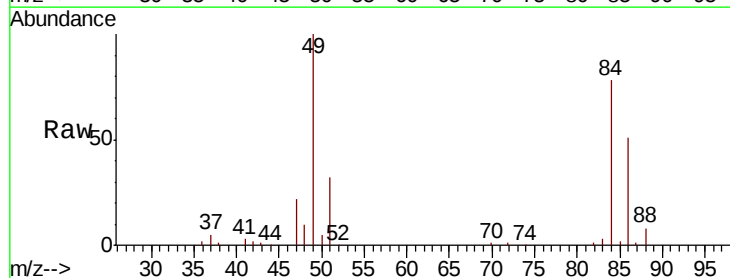
Instrument :
MSVOA_U
ClientSampleId :

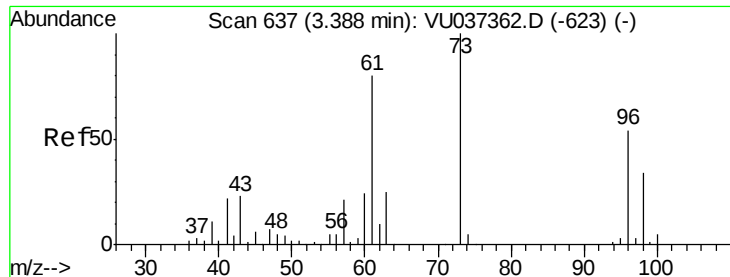
Tot Ion: 43 Resp: 122939
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2



#16
Methylene chloride
Concen: 47.863 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion: 84 Resp: 102750
Ion Ratio Lower Upper
84 100
86 65.3 45.7 84.9
49 128.6 90.0 167.2

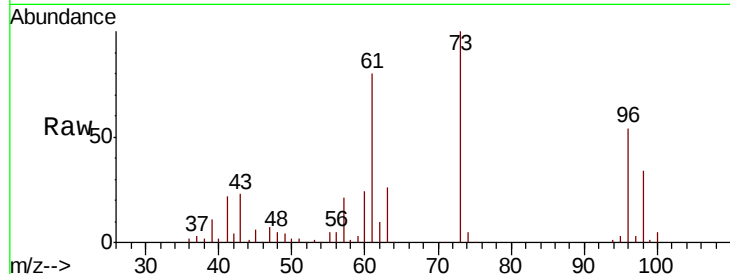




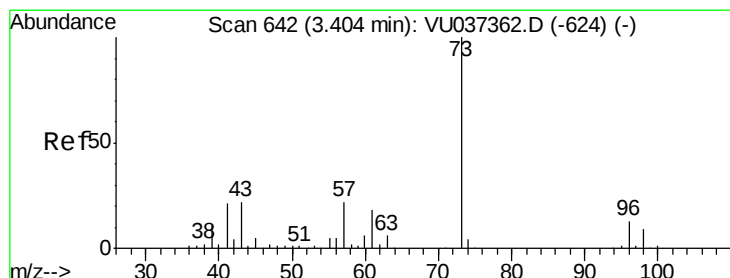
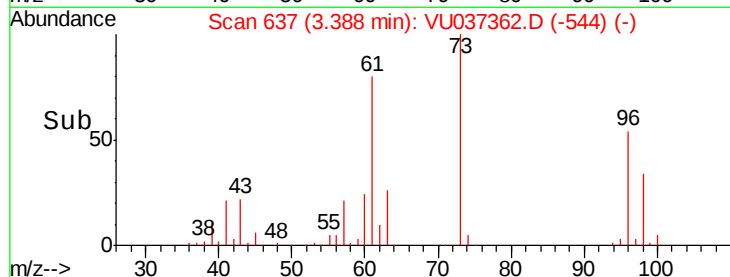
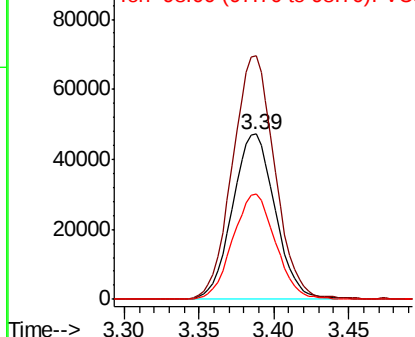
#17
trans-1,2-Dichloroethene
Concen: 51.403 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 93670
Ion Ratio Lower Upper
96 100
61 147.6 103.3 191.9
98 63.6 44.5 82.7

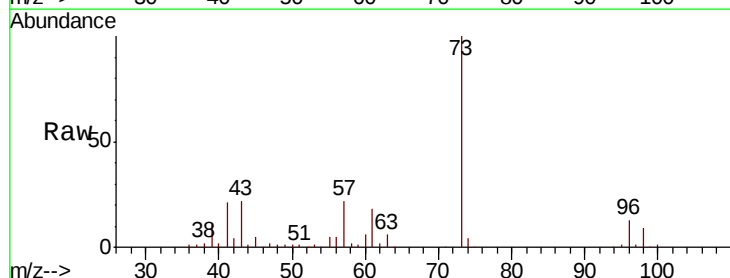


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

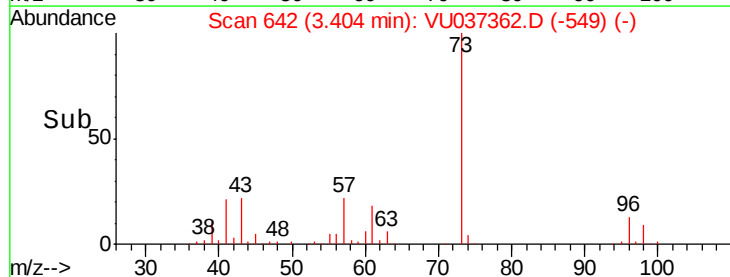
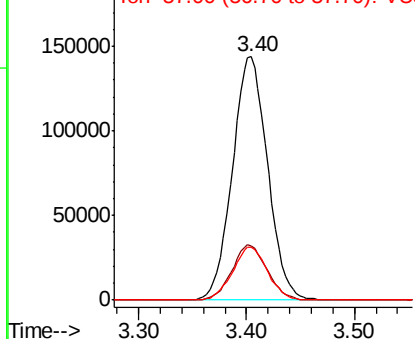


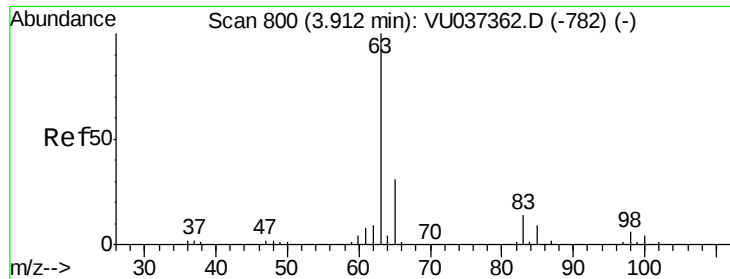
#18
Methyl tert-butyl Ether
Concen: 47.293 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion: 73 Resp: 326566
Ion Ratio Lower Upper
73 100
43 22.7 18.2 27.2
57 21.7 17.4 26.0



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

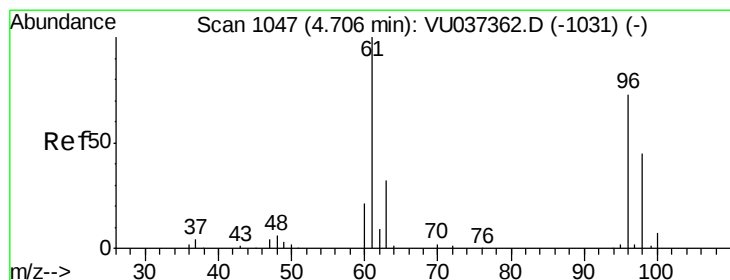
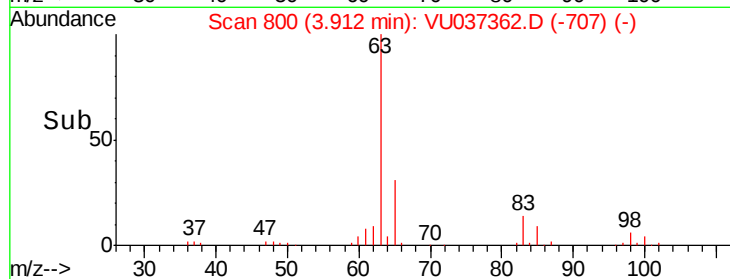
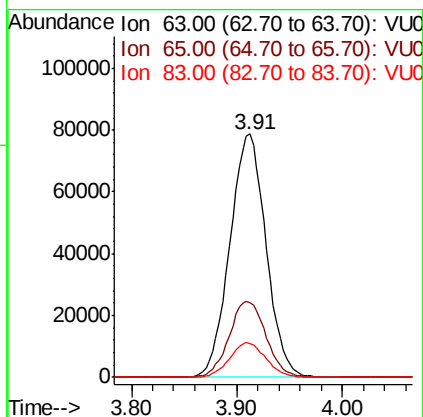
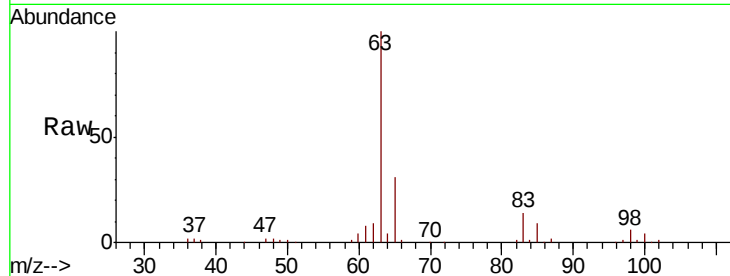




#19
 1,1-Dichloroethane
 Concen: 46.880 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

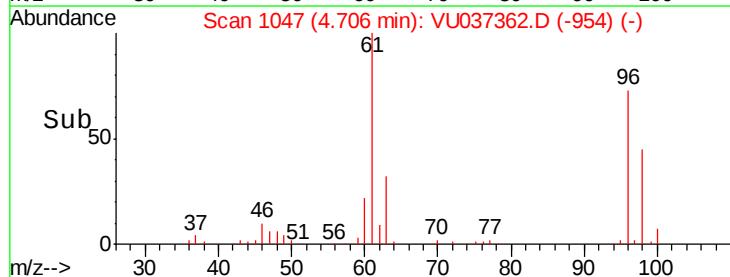
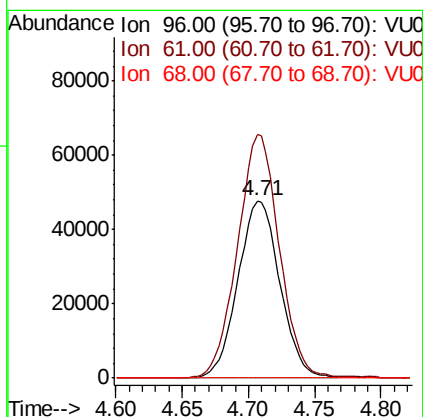
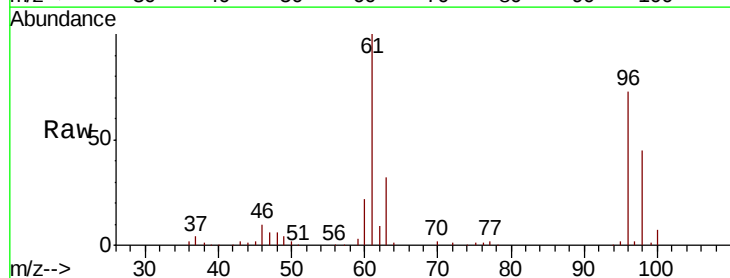
Instrument :
 MSVOA_U
 ClientSampled :

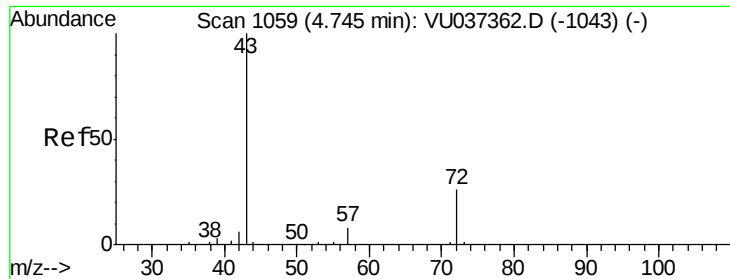
Tot Ion: 63 Resp: 186834
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.6 40.0
 83 14.0 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.179 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

Tgt Ion: 96 Resp: 104824
 Ion Ratio Lower Upper
 96 100
 61 137.5 96.2 178.8
 68 0.0 0.0 0.0

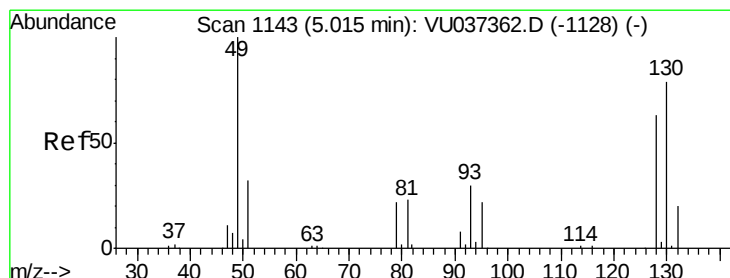
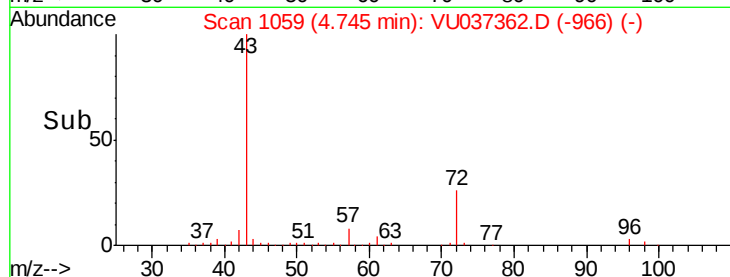
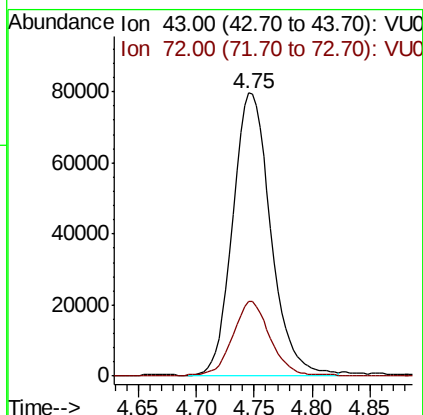
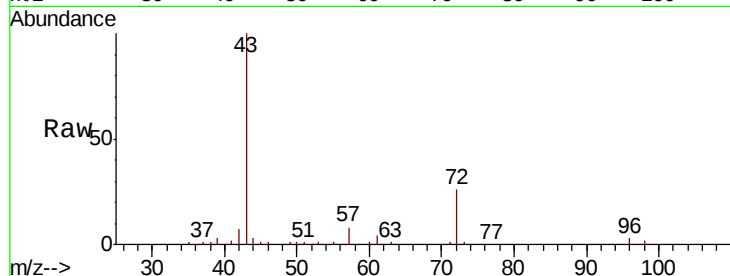




#22
2-Butanone
Concen: 86.518 ug/L
RT: 4.75 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

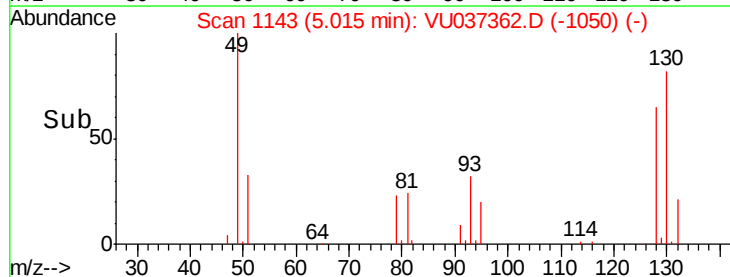
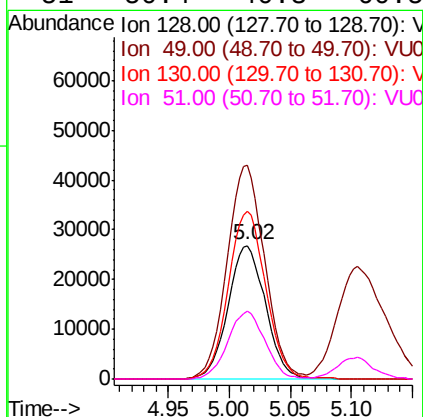
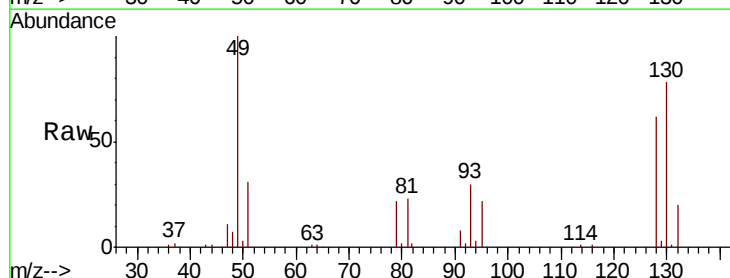
Instrument :
MSVOA_U
ClientSampleId :

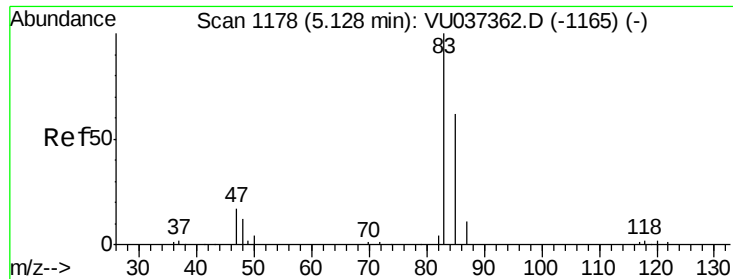
Tot Ion: 43 Resp: 180185
Ion Ratio Lower Upper
43 100
72 26.3 13.2 39.5



#23
Bromochloromethane
Concen: 51.346 ug/L
RT: 5.02 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion:128 Resp: 57373
Ion Ratio Lower Upper
128 100
49 160.1 112.1 208.1
130 125.7 88.0 163.4
51 50.4 40.3 60.5

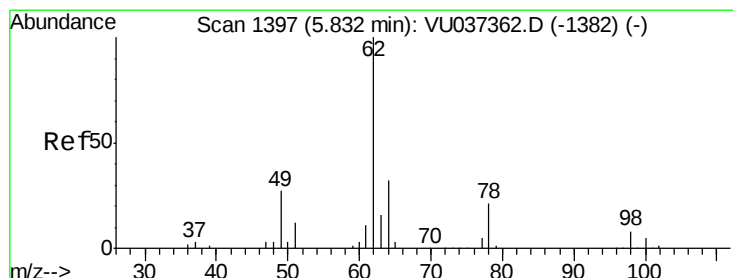
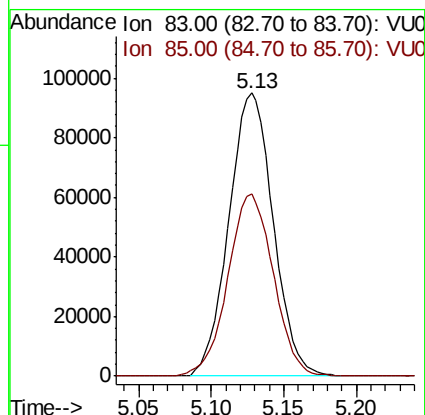
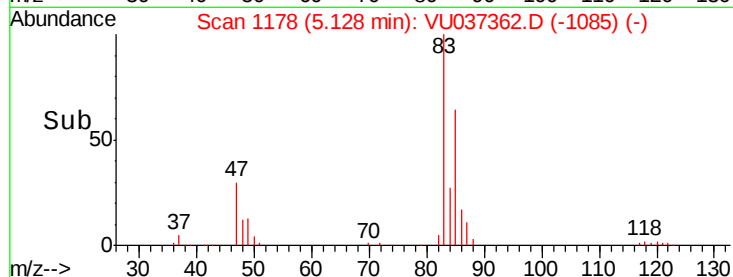
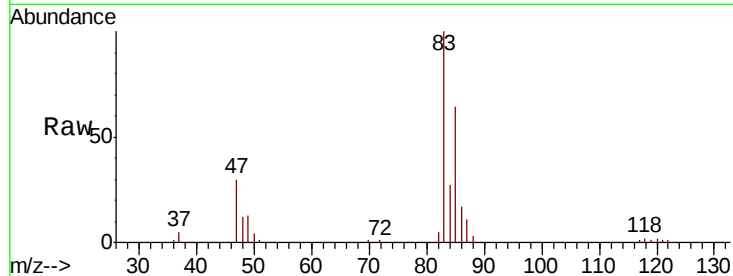




#25
Chloroform
Concen: 46.670 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

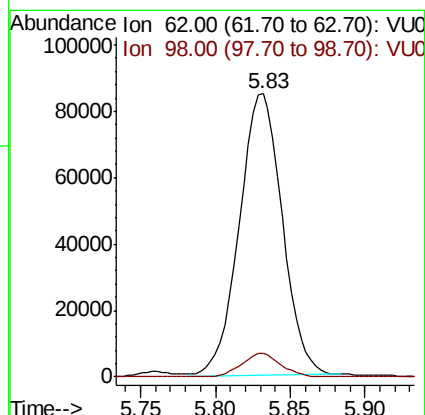
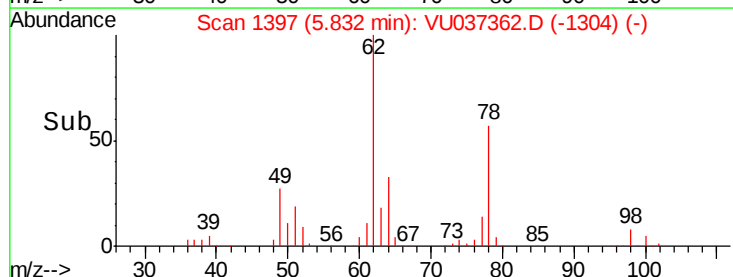
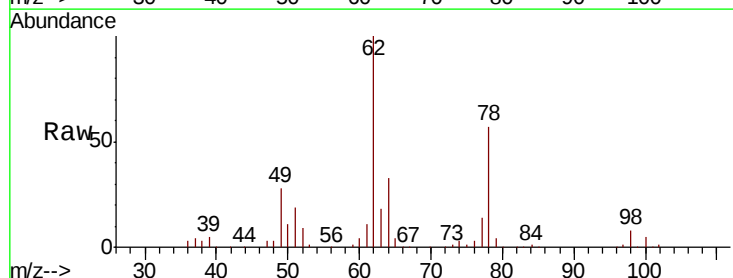
Instrument :
MSVOA_U
ClientSampled :

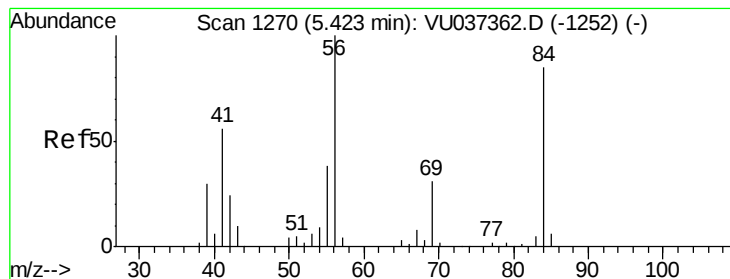
Tot Ion: 83 Resp: 202156
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 44.447 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion: 62 Resp: 169631
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0





#29

Cyclohexane

Concen: 48.493 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :
MSVOA_U
ClientSampled :

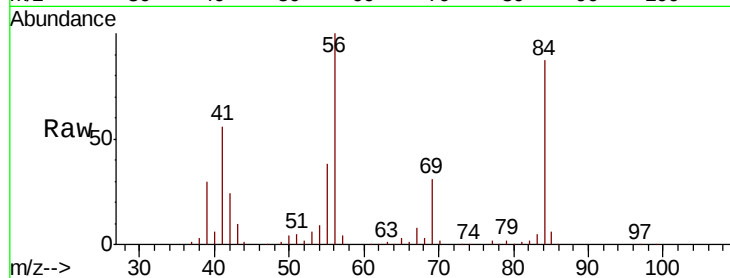
Tot Ion: 56 Resp: 162415

Ion Ratio Lower Upper

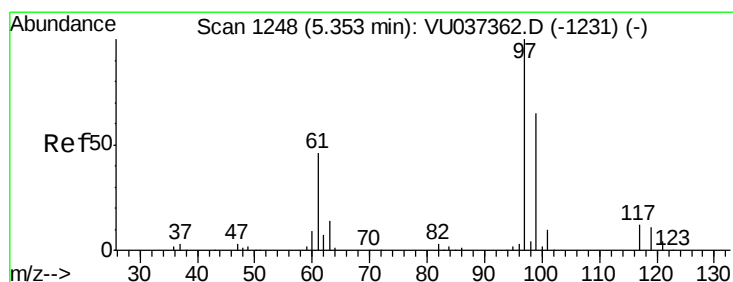
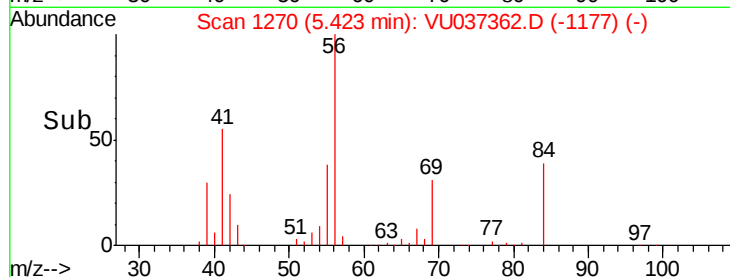
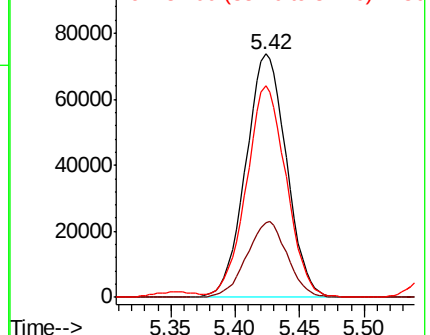
56 100

69 31.0 24.8 37.2

84 85.3 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 49.784 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

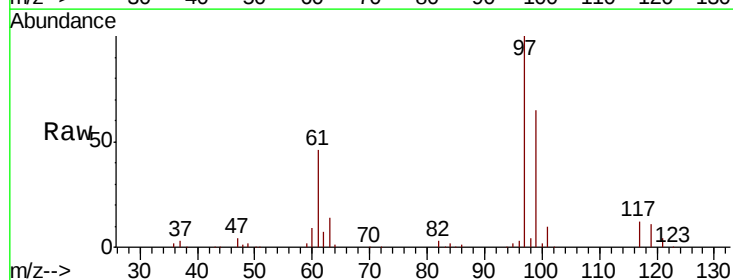
Tgt Ion: 97 Resp: 188850

Ion Ratio Lower Upper

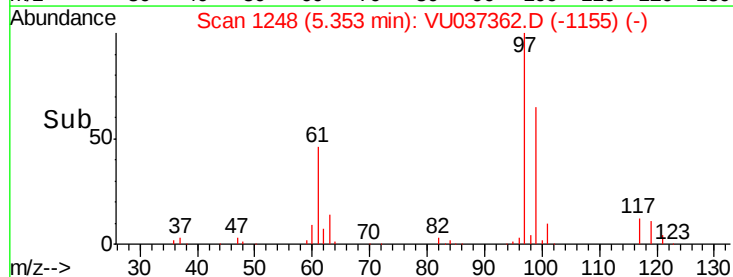
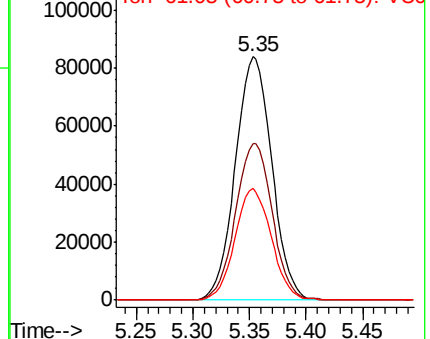
97 100

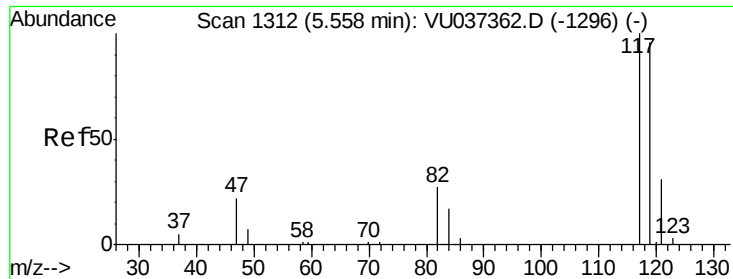
99 64.6 51.7 77.5

61 45.7 36.6 54.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

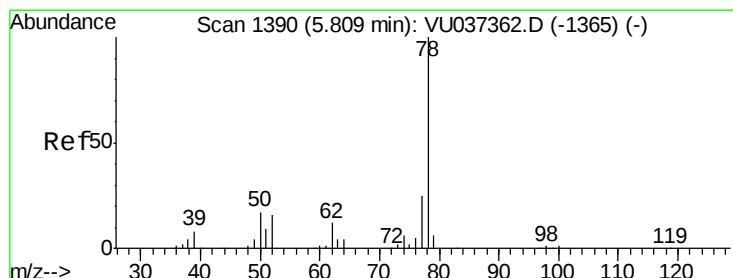
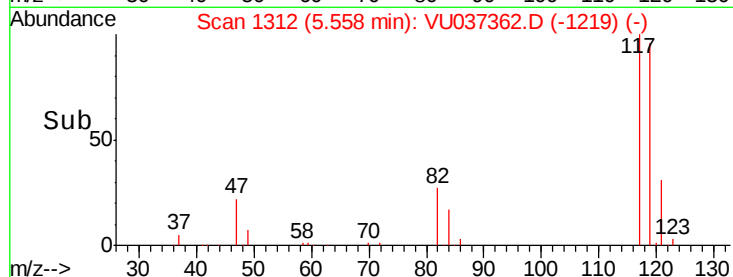
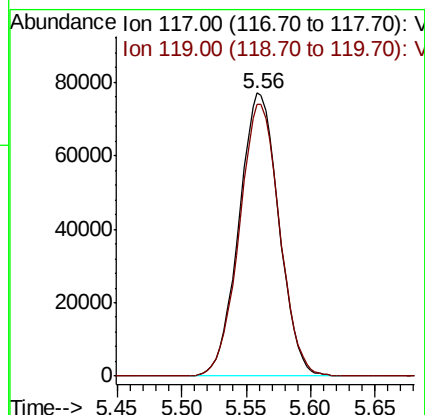
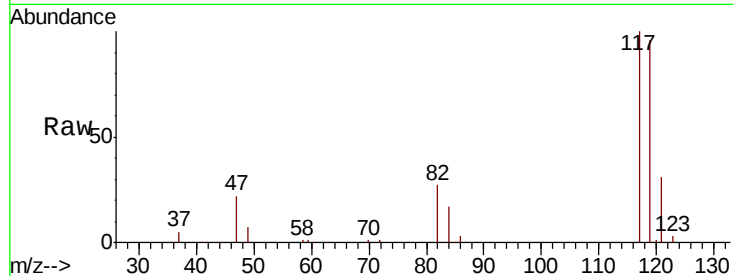




#31
Carbon tetrachloride
Concen: 49.530 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

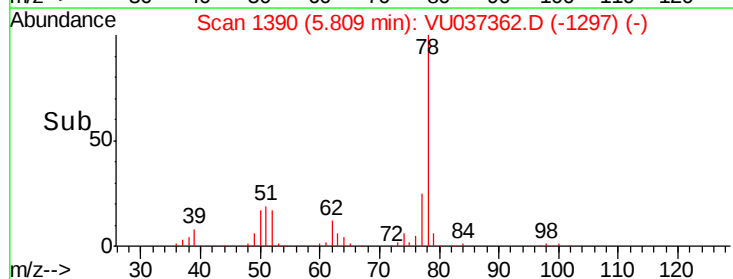
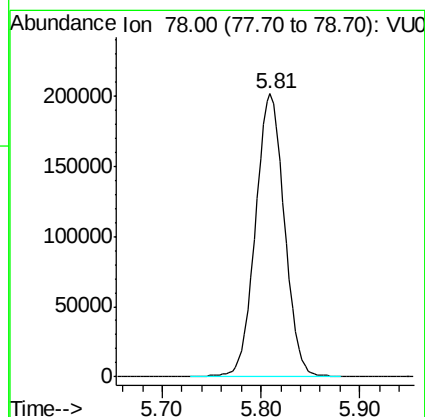
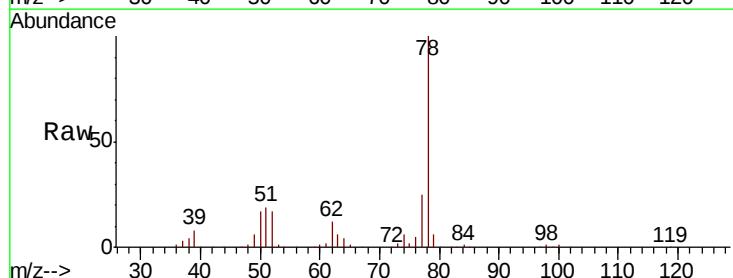
Instrument :
MSVOA_U
ClientSampleId :

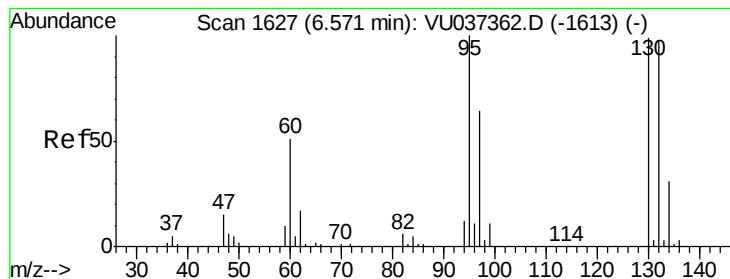
Tot Ion:117 Resp: 165774
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4



#33
Benzene
Concen: 48.735 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion: 78 Resp: 407718





#34

Trichloroethene

Concen: 48.699 ug/L

RT: 6.57 min Scan# 1627

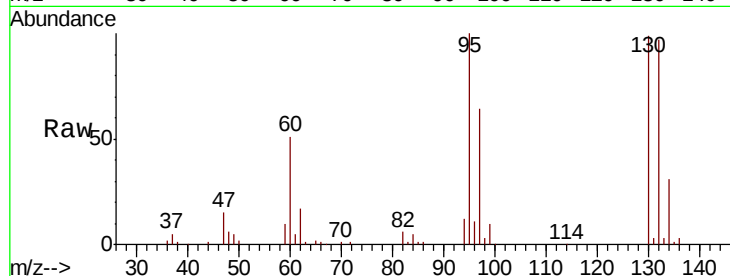
Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	95	Resp:	106627
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.5
132	97.1	68.0	126.2
130	99.4	69.6	129.2



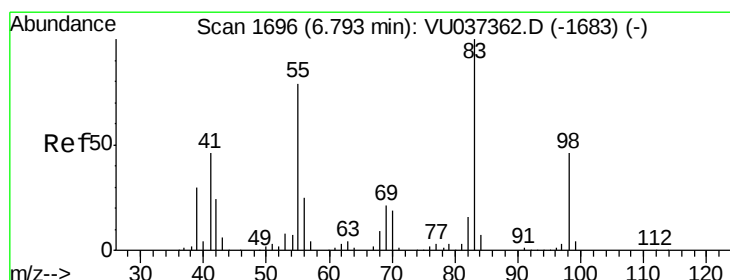
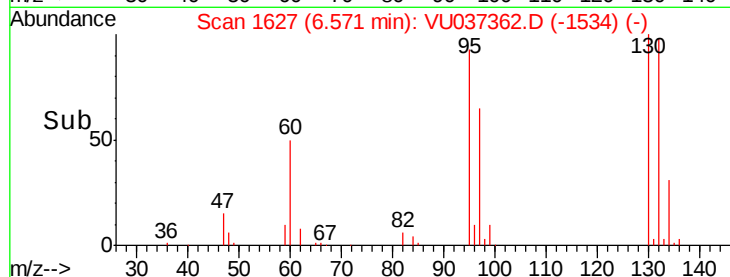
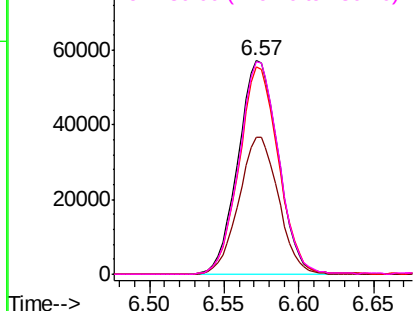
Abundance

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: 49.915 ug/L

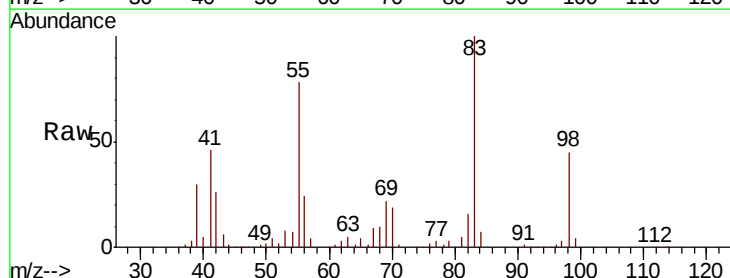
RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Tgt Ion:	83	Resp:	165295
Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.3	96.5
98	45.6	36.5	54.7

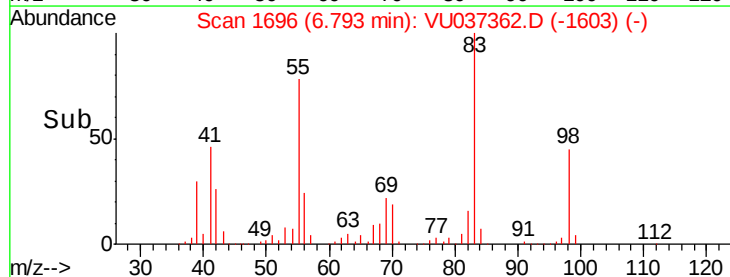
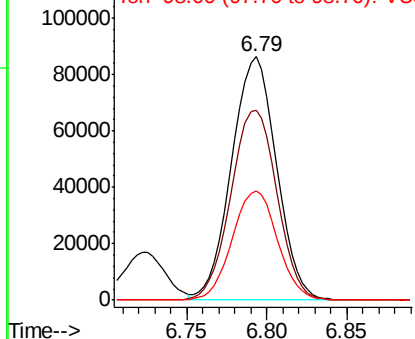


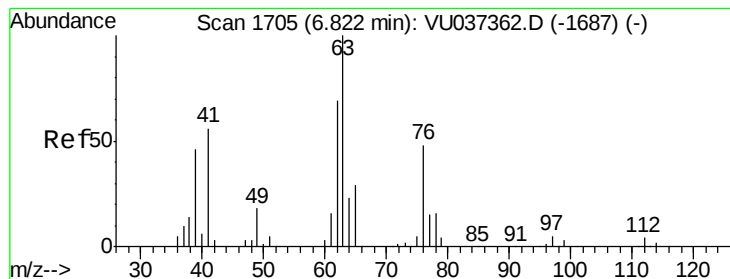
Abundance

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: 45.966 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

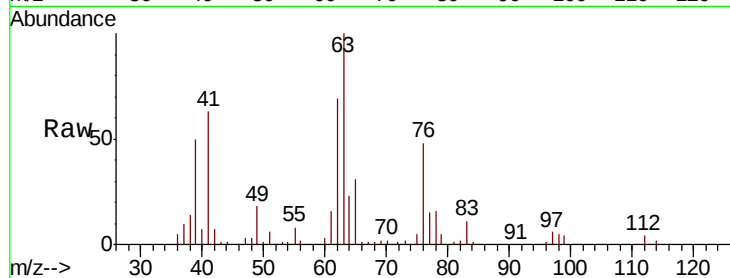
ClientSampleId :

Tot Ion: 63 Resp: 108469

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU037362.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU037362.D (-1687) (-)

6.82

60000

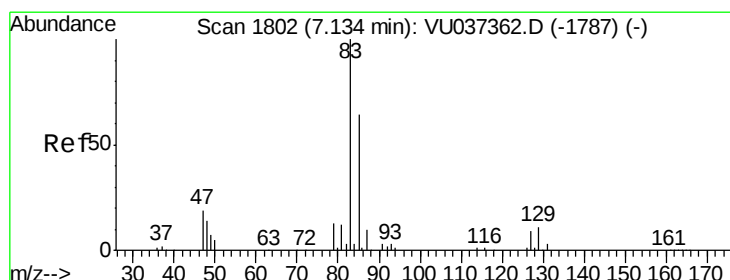
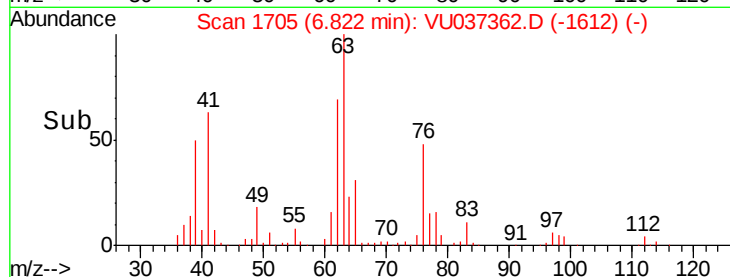
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 46.730 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

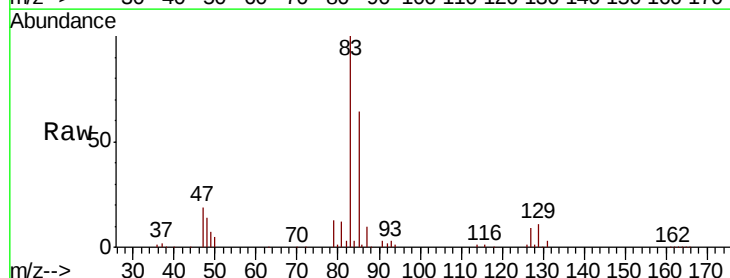
Tgt Ion: 83 Resp: 154398

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

127 8.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU037362.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU037362.D (-1787) (-)

Ion 127.00 (126.70 to 127.70): VU037362.D (-1787) (-)

7.13

100000

80000

60000

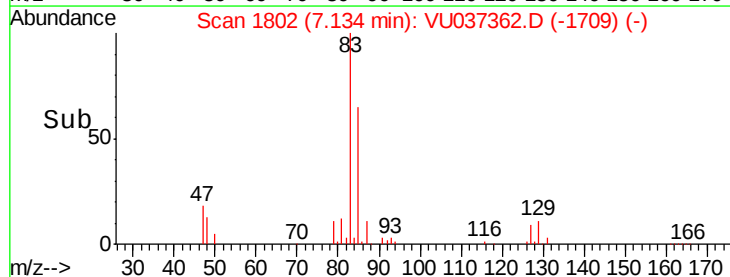
40000

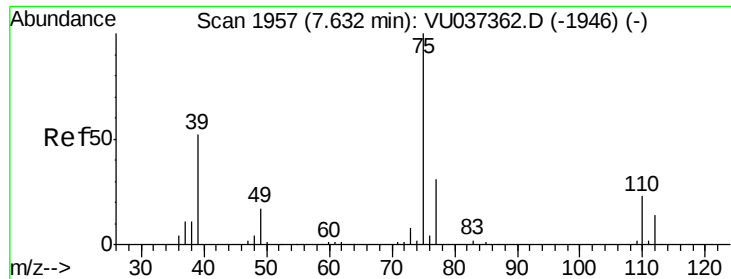
20000

0

7.05 7.10 7.15 7.20

Time-->

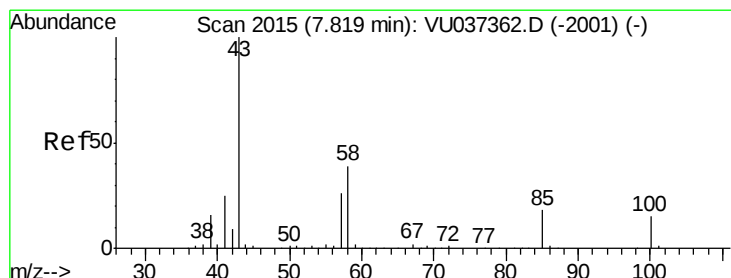
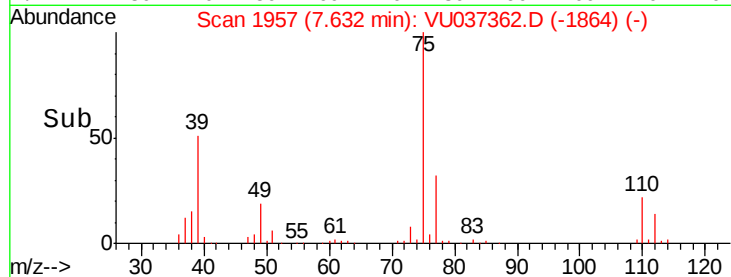
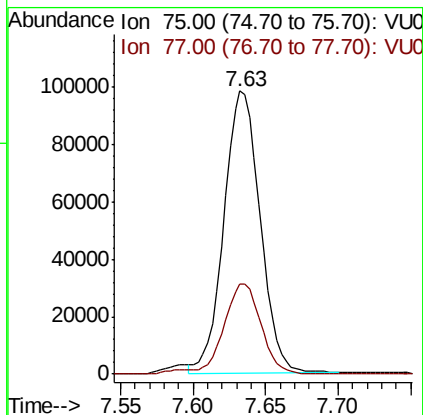
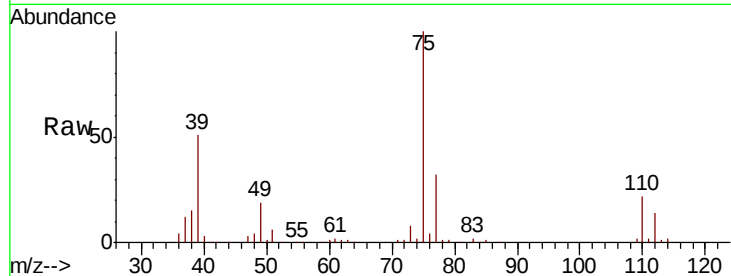




#39
 cis-1,3-Dichloropropene
 Concen: 46.639 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

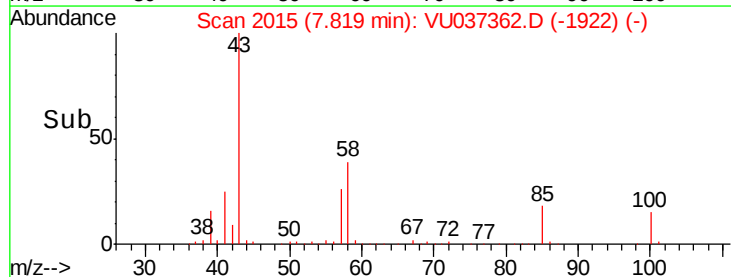
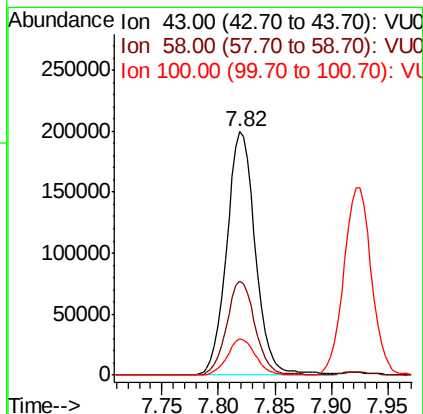
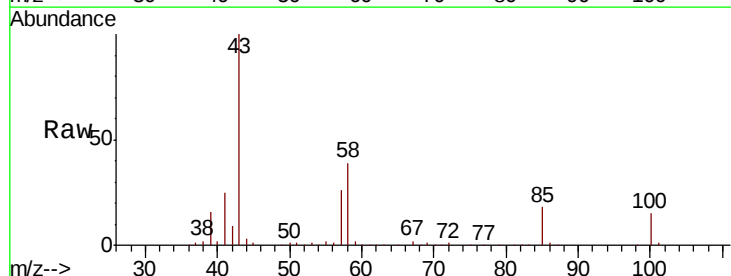
Instrument :
 MSVOA_U
 ClientSampled :

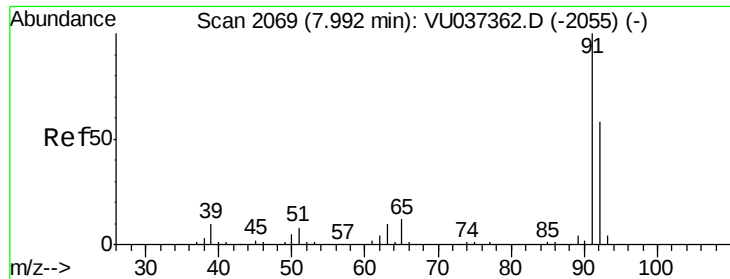
Tot Ion: 75 Resp: 170164
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 91.939 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

Tgt Ion: 43 Resp: 351691
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 14.7 11.8 17.6





#42

Toluene

Concen: 49.310 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

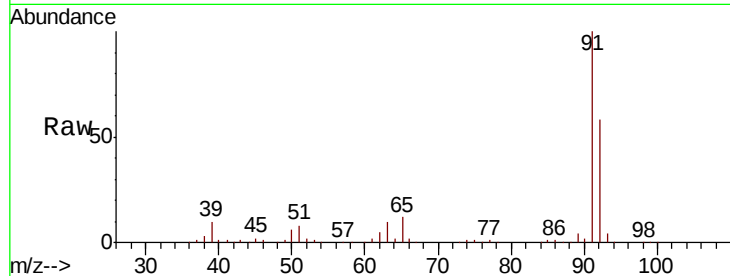
ClientSampleId :

Tot Ion: 91 Resp: 452158

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VU037362.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037362.D (-2055) (-)

7.99

250000

200000

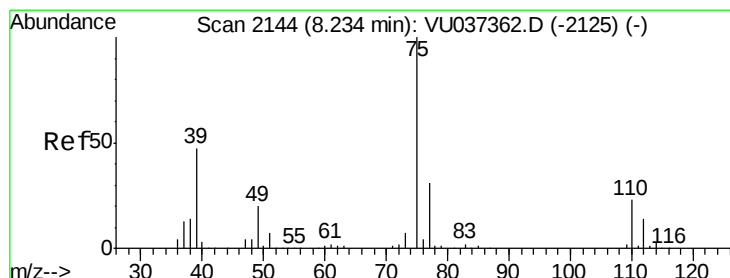
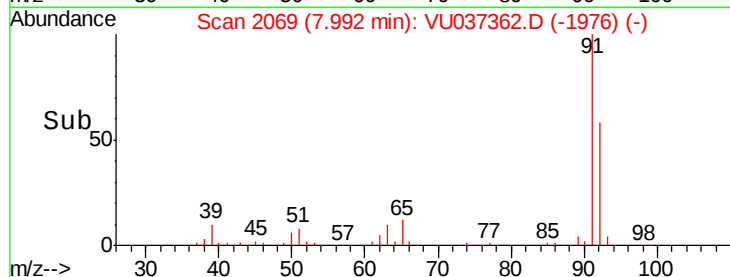
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 50.939 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037362.D

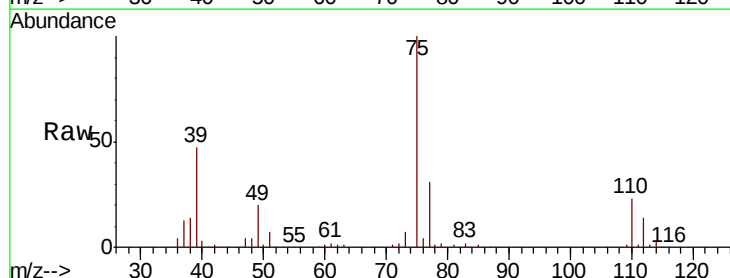
Acq: 21 Mar 2020 18:35

Tgt Ion: 75 Resp: 179070

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU037362.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU037362.D (-2125) (-)

8.23

120000

100000

80000

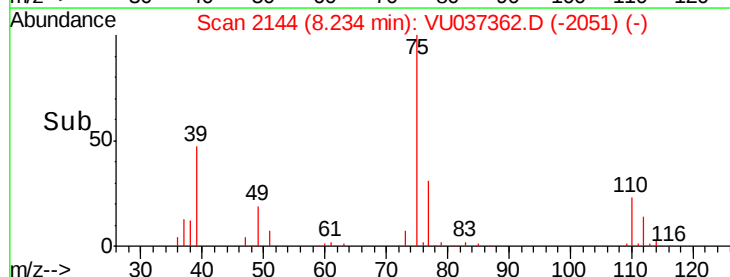
60000

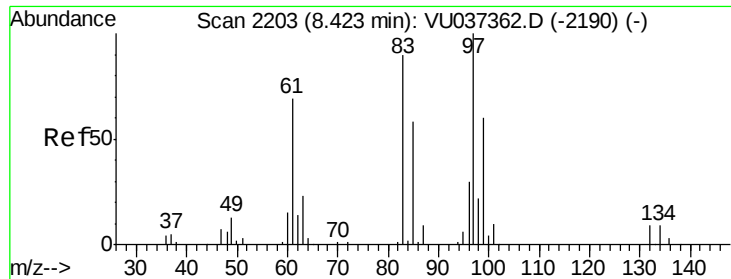
40000

20000

0

Time--> 8.15 8.20 8.25 8.30

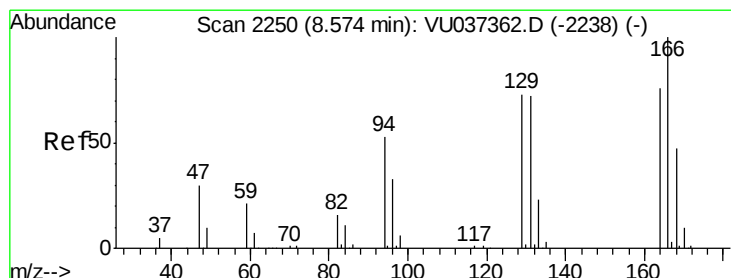
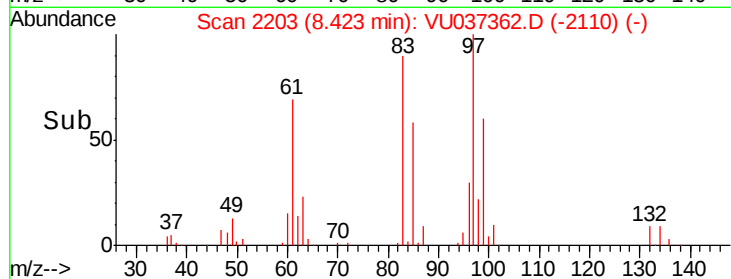
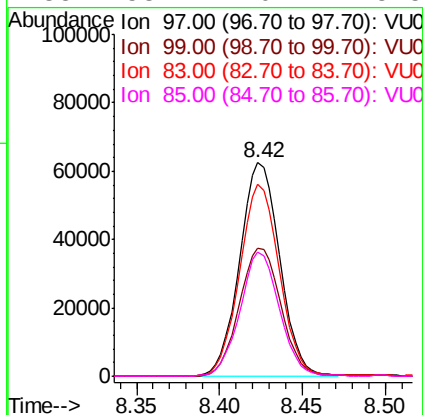
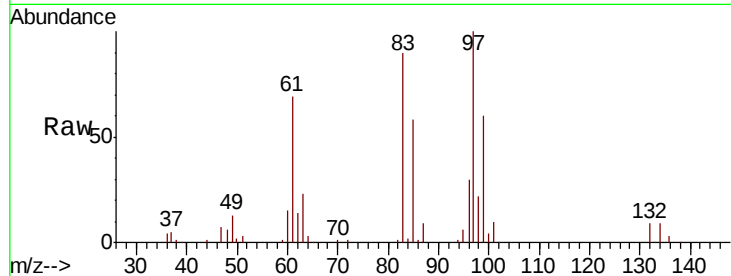




#45
1,1,2-Trichloroethane
Concen: 48.411 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

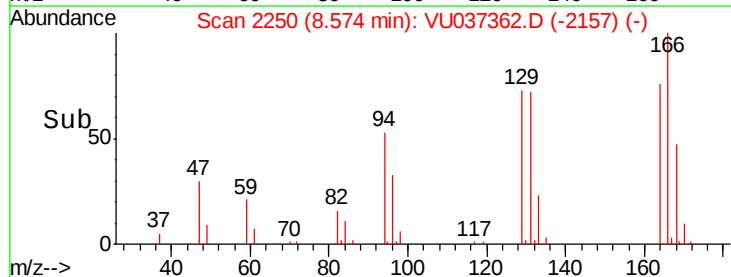
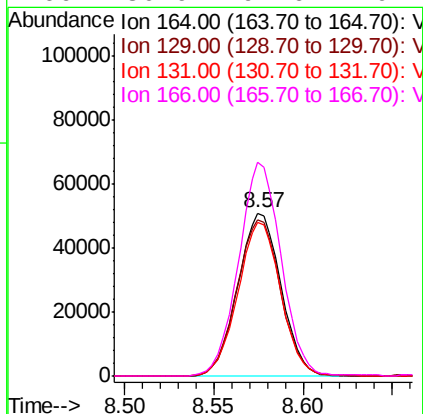
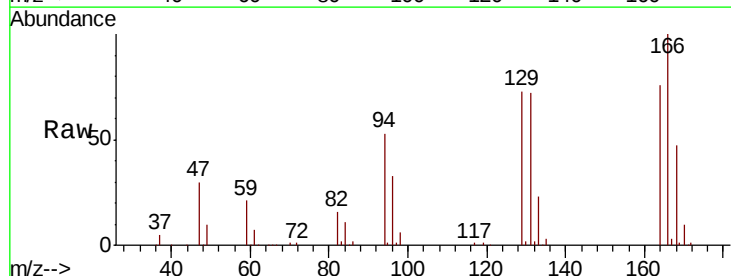
Instrument :
MSVOA_U
ClientSampleId :

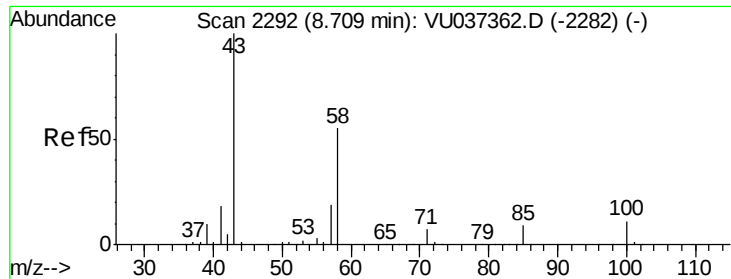
Tot Ion:	97	Resp:	105232
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.1	78.1
83	89.6	62.7	116.5
85	58.1	40.7	75.5



#46
Tetrachloroethene
Concen: 52.060 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion:	164	Resp:	85584
Ion	Ratio	Lower	Upper
164	100		
129	95.8	67.1	124.5
131	94.0	65.8	122.2
166	130.9	91.6	170.2

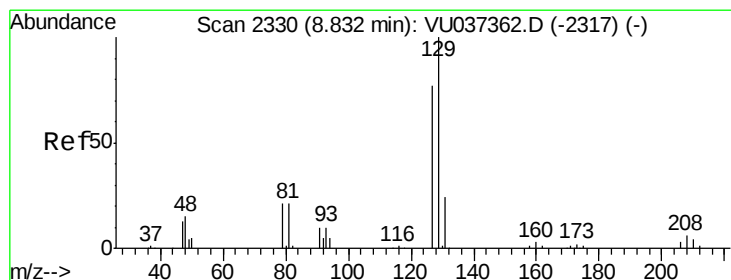
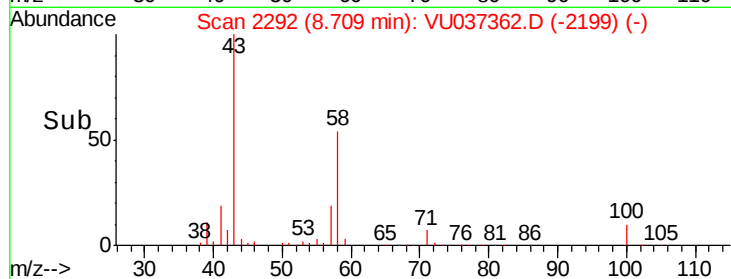
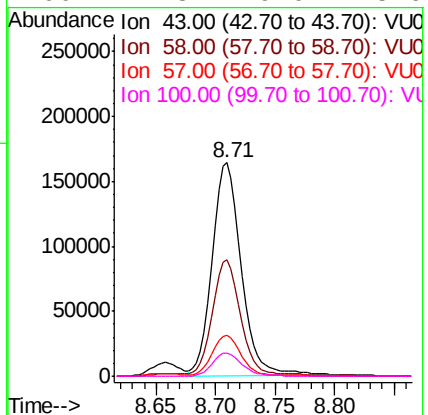
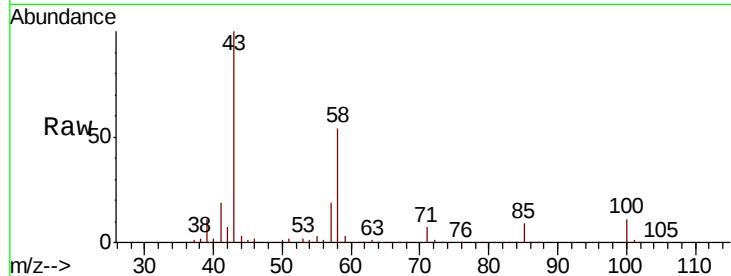




#48
2-Hexanone
Concen: 92.384 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

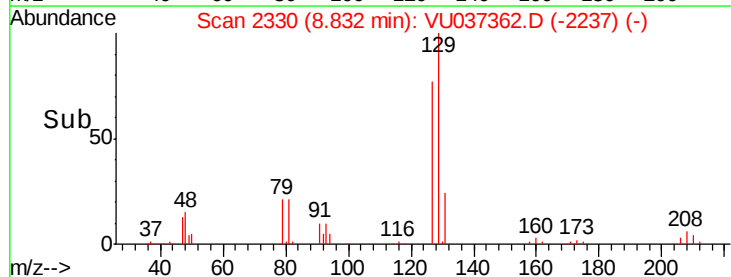
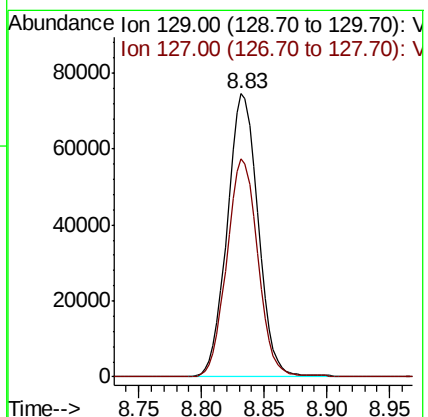
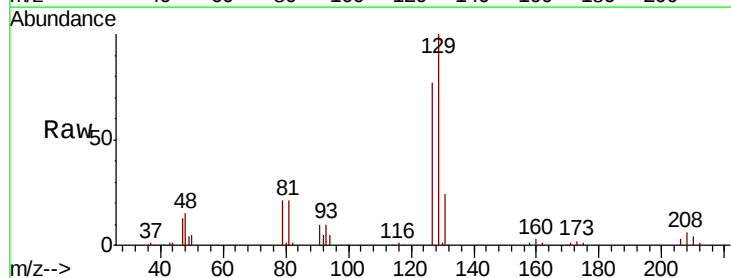
Instrument :
MSVOA_U
ClientSampleId :

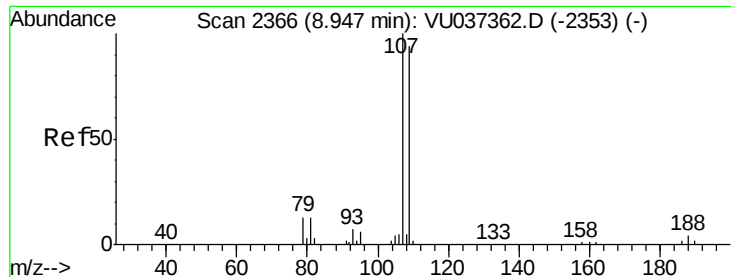
Tot Ion: 43 Resp: 277673
Ion Ratio Lower Upper
43 100
58 54.7 43.8 65.6
57 18.6 14.9 22.3
100 11.3 9.0 13.6



#49
Dibromochloromethane
Concen: 49.888 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion: 129 Resp: 127910
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2

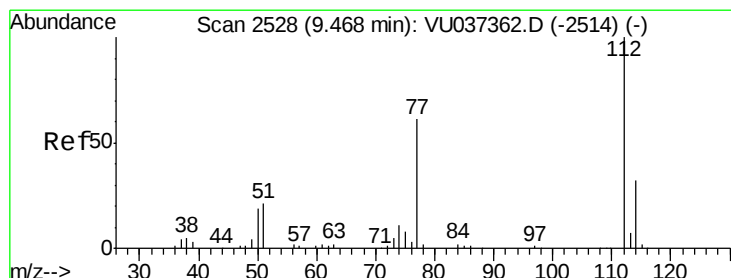
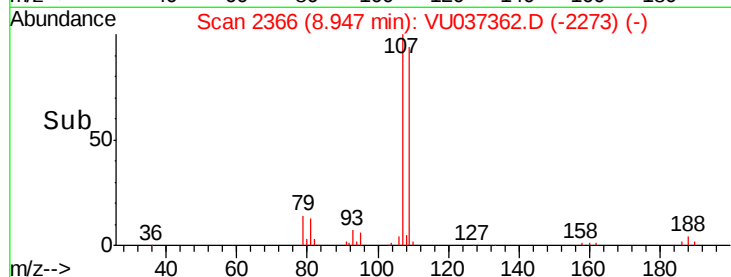
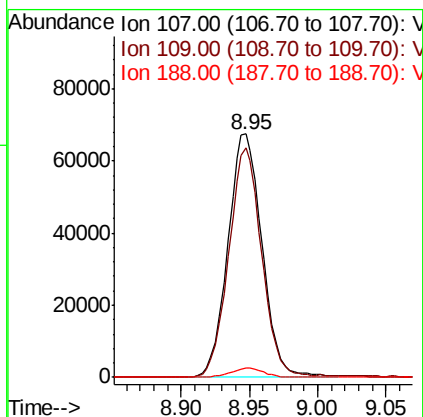
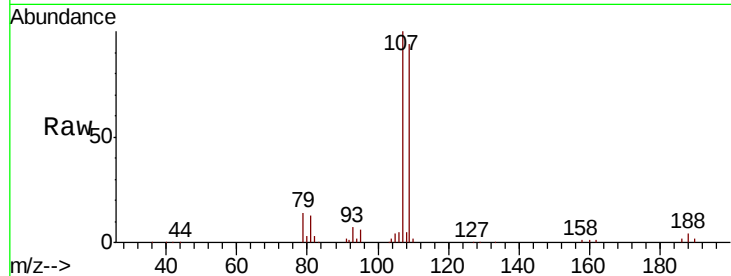




#50
1,2-Dibromoethane
Concen: 49.858 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

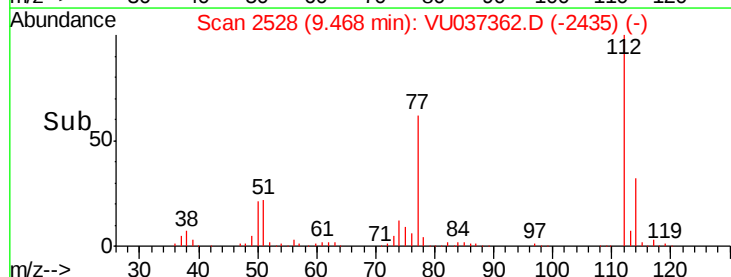
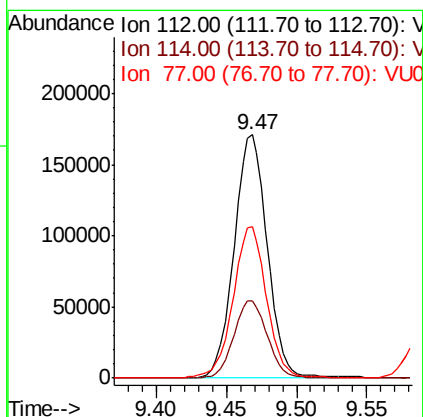
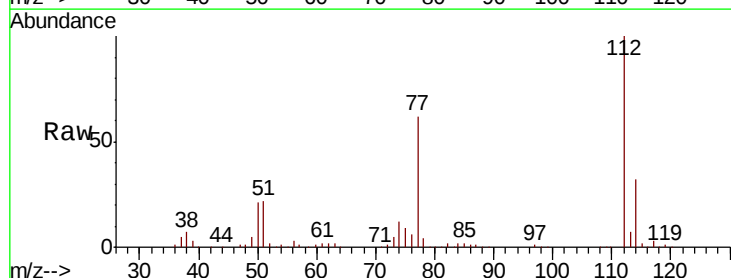
Instrument :
MSVOA_U
ClientSampleId :

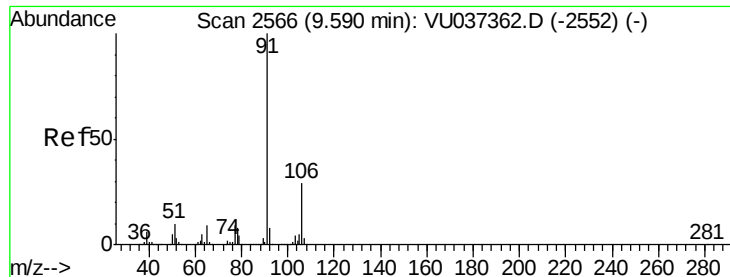
Tot Ion:107 Resp: 117318
Ion Ratio Lower Upper
107 100
109 94.5 66.1 122.8
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 48.597 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion:112 Resp: 281026
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 62.0 49.6 74.4





#52

Ethylbenzene

Concen: 47.484 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

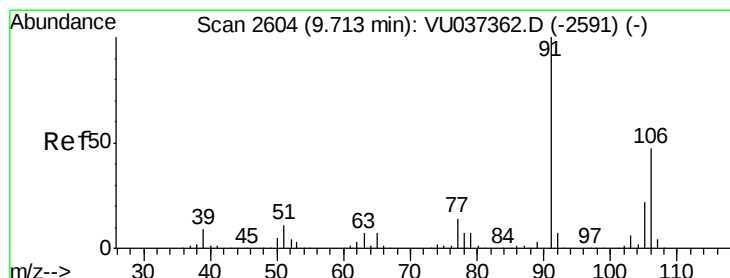
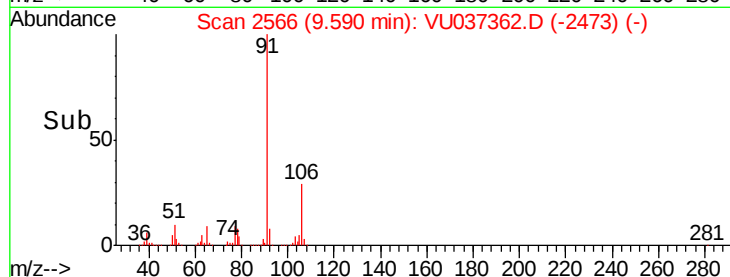
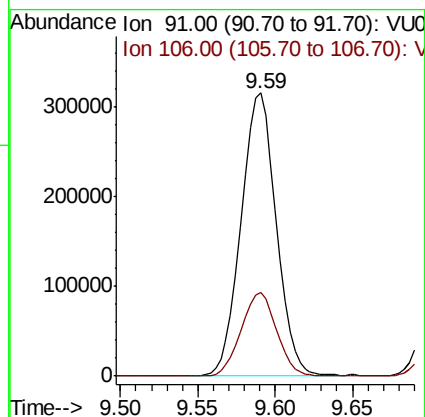
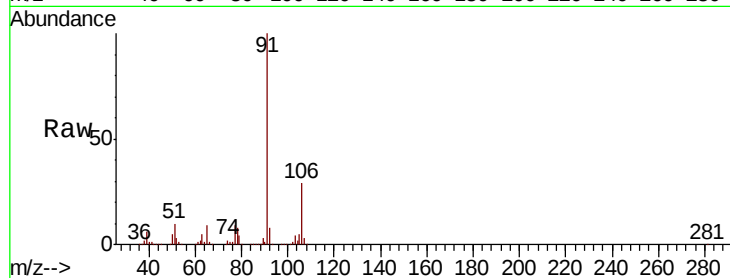
ClientSampleId :

Tot Ion: 91 Resp: 500290

Ion Ratio Lower Upper

91 100

106 29.3 20.5 38.1



#53

m,p-Xylene

Concen: 49.237 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037362.D

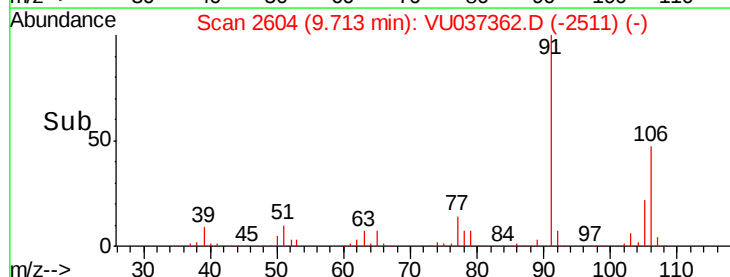
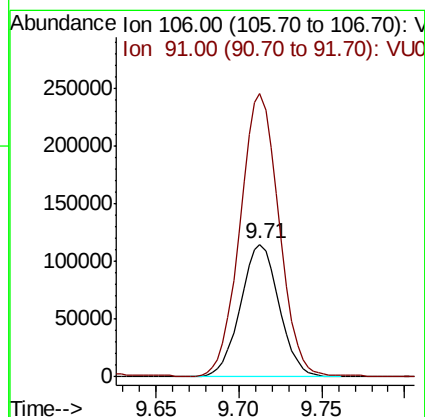
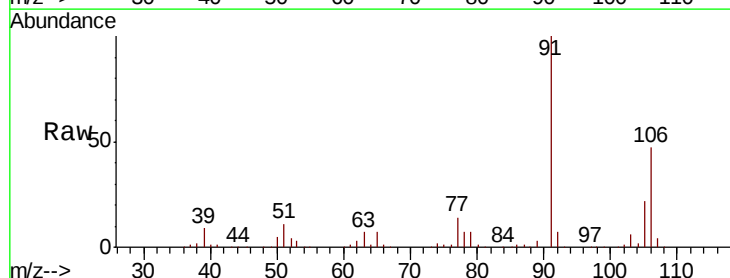
Acq: 21 Mar 2020 18:35

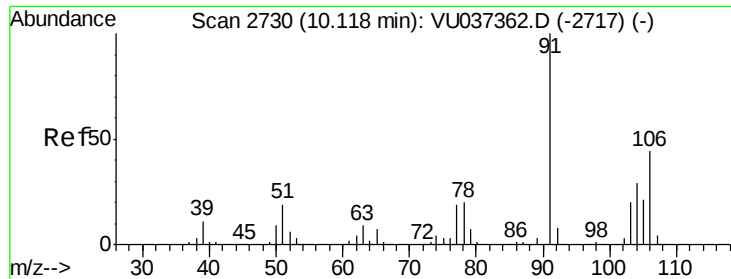
Tgt Ion: 106 Resp: 184406

Ion Ratio Lower Upper

106 100

91 213.8 149.7 277.9

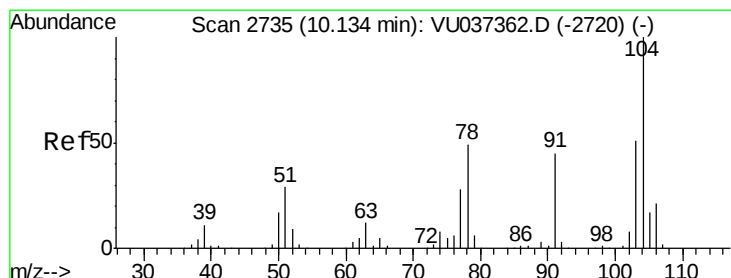
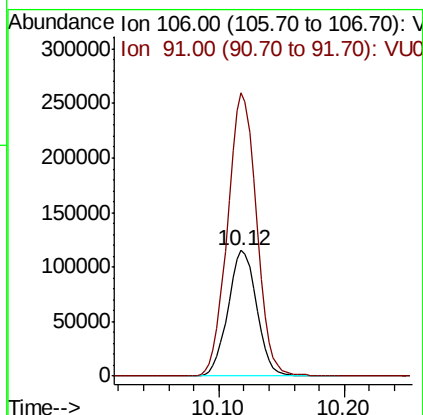
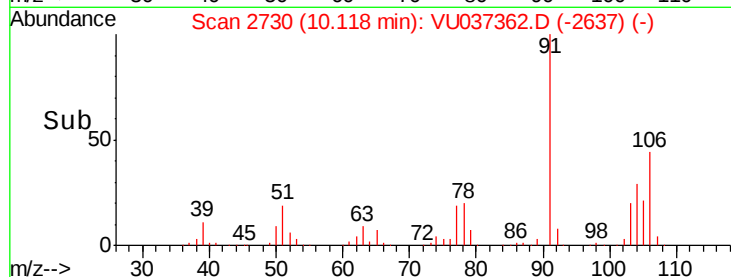
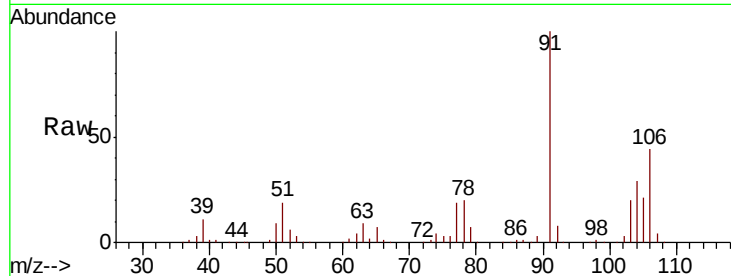




#54
o-xylene
Concen: 49.361 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

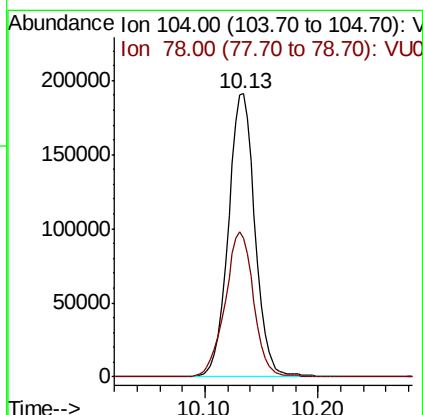
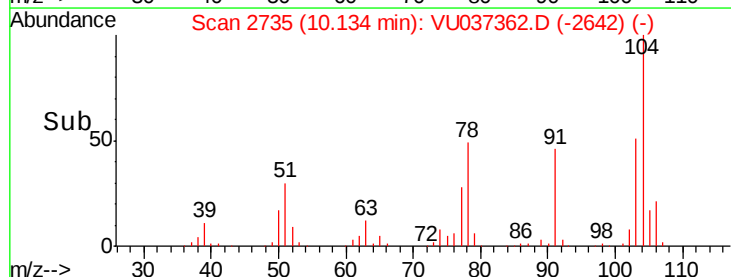
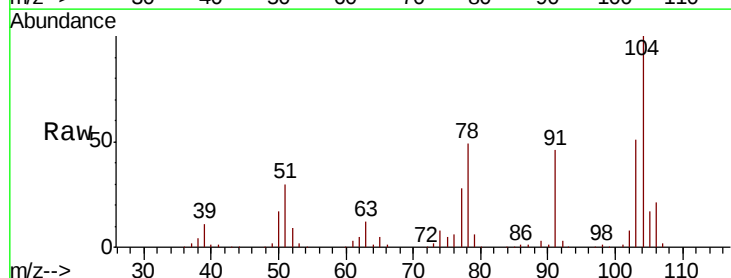
Instrument :
MSVOA_U
ClientSampled :

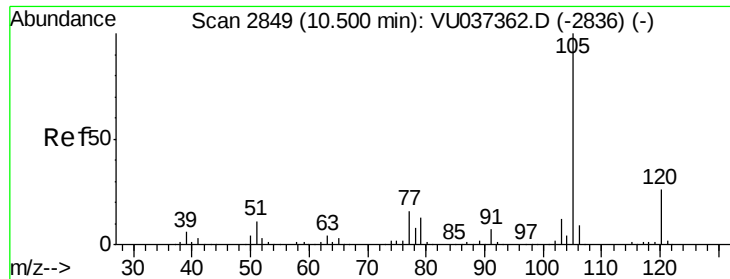
Tot Ion:106 Resp: 183093
Ion Ratio Lower Upper
106 100
91 225.2 157.6 292.8



#55
Styrene
Concen: 49.830 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion:104 Resp: 313498
Ion Ratio Lower Upper
104 100
78 48.9 34.2 63.6





#56

Isopropylbenzene

Concen: 48.430 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

ClientSampleId :

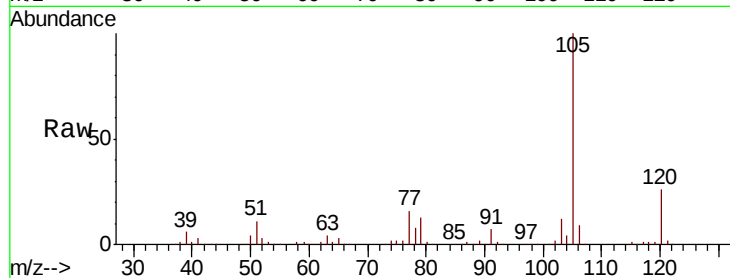
Tot Ion:105 Resp: 497342

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

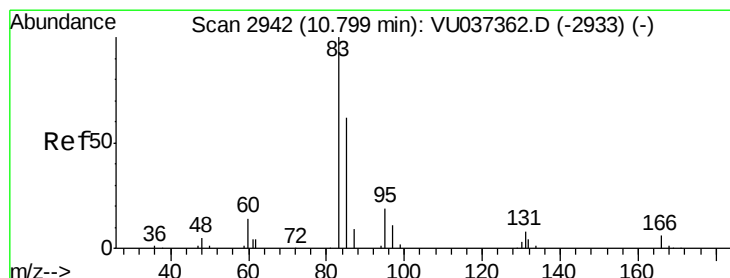
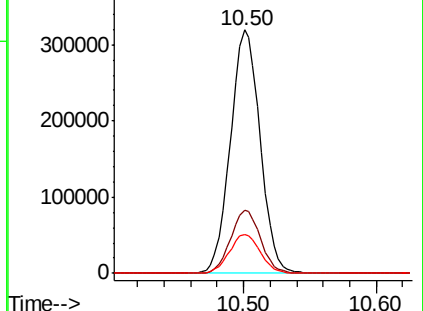
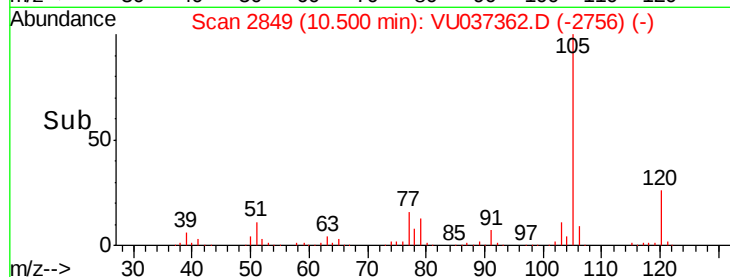
77 16.5 13.2 19.8



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: 46.885 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

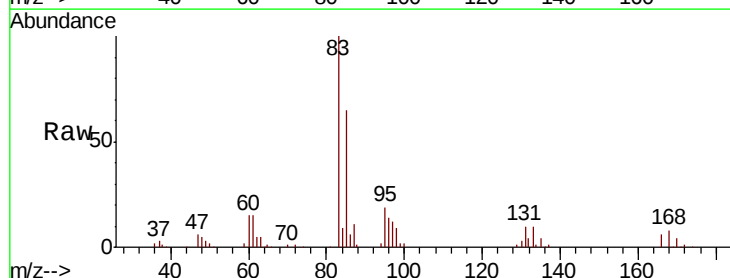
Tgt Ion: 83 Resp: 184898

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

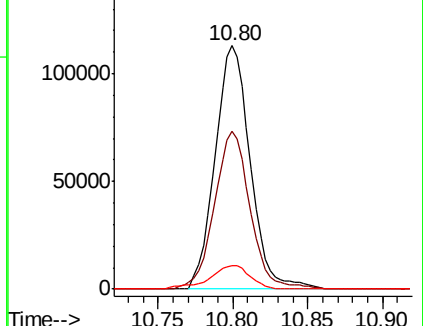
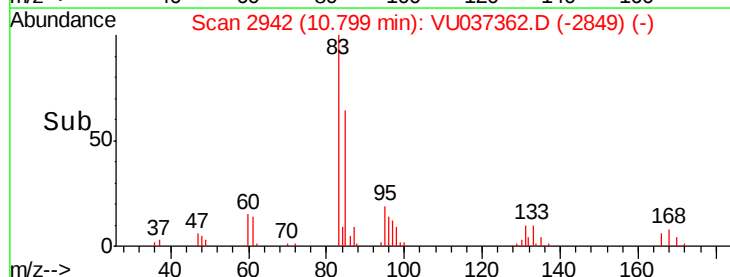
131 9.8 7.8 11.8

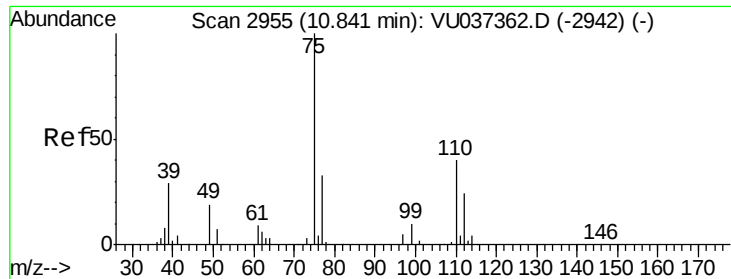


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.968 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

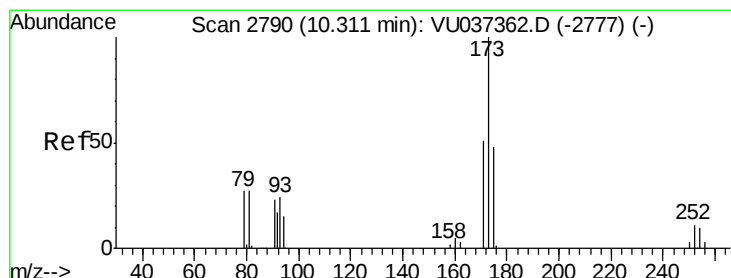
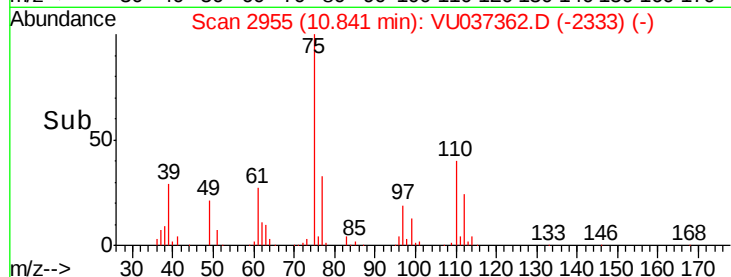
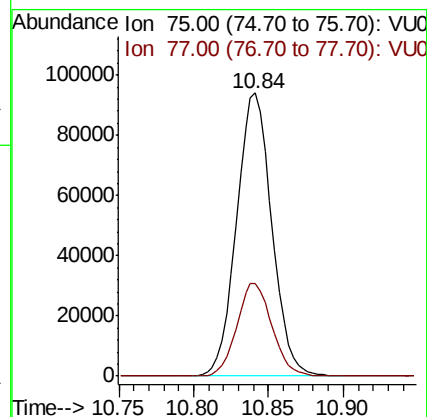
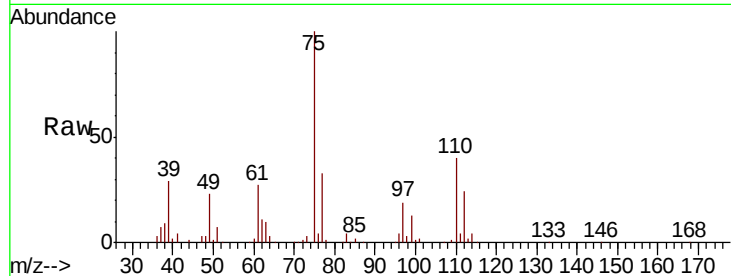
ClientSampleId :

Tot Ion: 75 Resp: 154145

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1



#61

Bromoform

Concen: 48.755 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

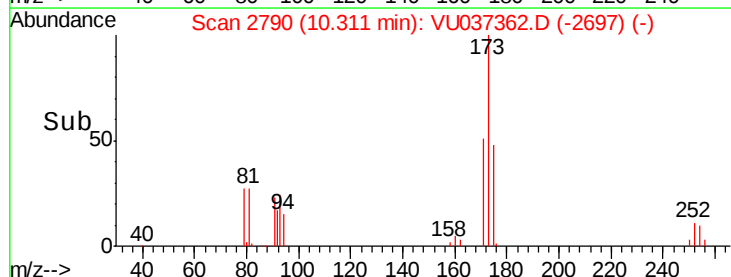
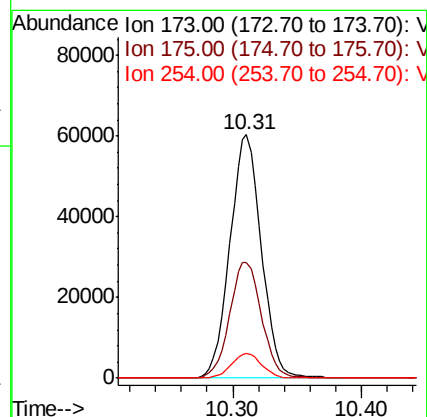
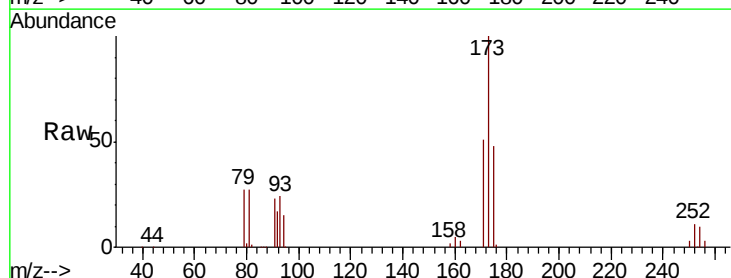
Tgt Ion: 173 Resp: 101720

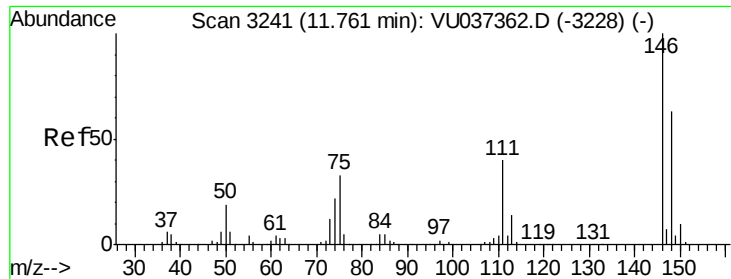
Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

254 9.8 7.8 11.8

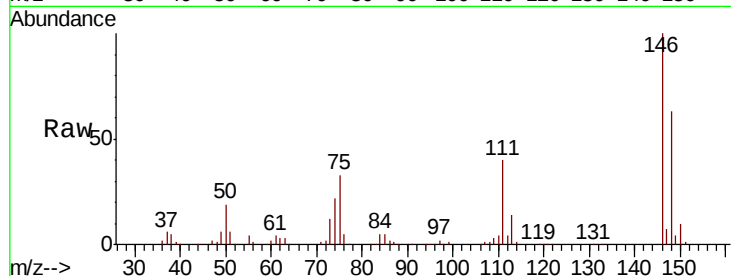




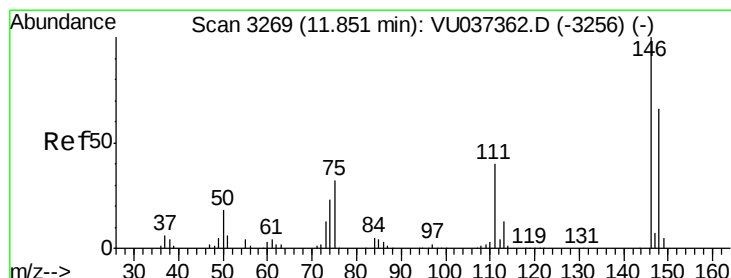
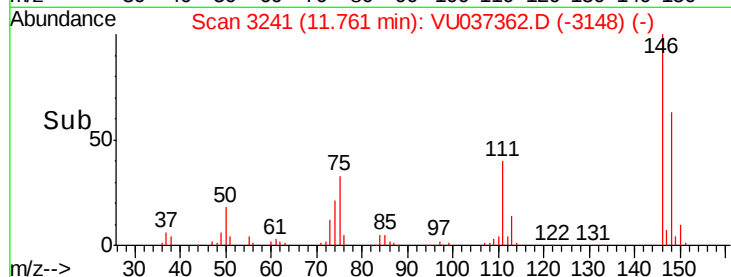
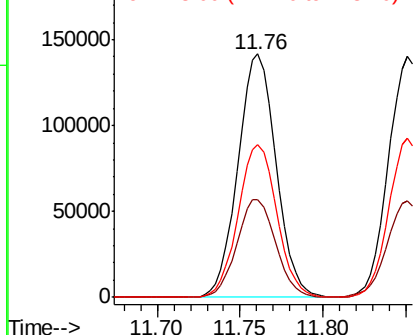
#62
 1,3-Dichlorobenzene
 Concen: 47.970 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.3	52.5
148	62.6	43.8	81.4

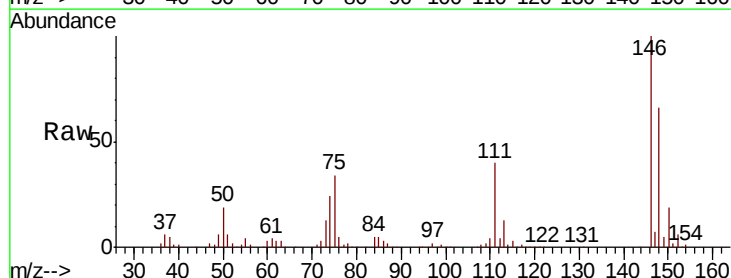


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

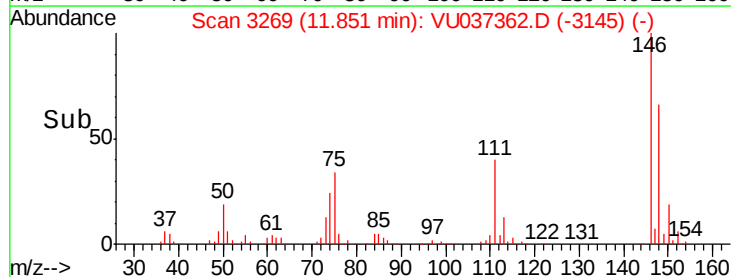
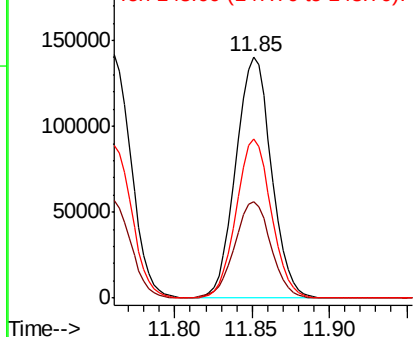


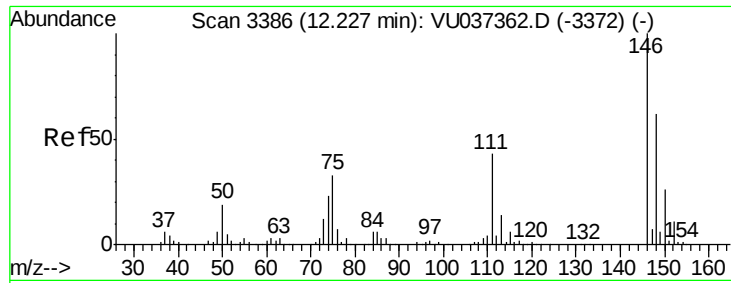
#63
 1,4-Dichlorobenzene
 Concen: 47.219 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	27.9	51.9
148	66.0	46.2	85.8



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.603 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

Instrument :

MSVOA_U

ClientSampleId :

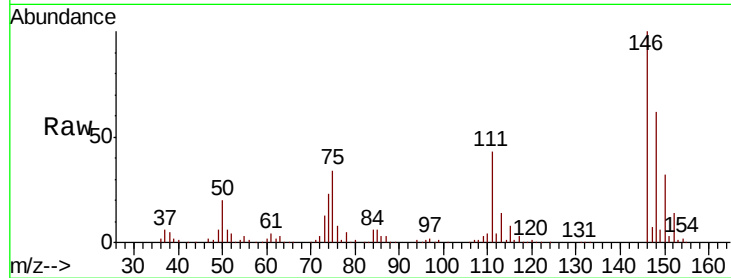
Tot Ion:146 Resp: 229335

Ion Ratio Lower Upper

146 100

111 43.4 34.7 52.1

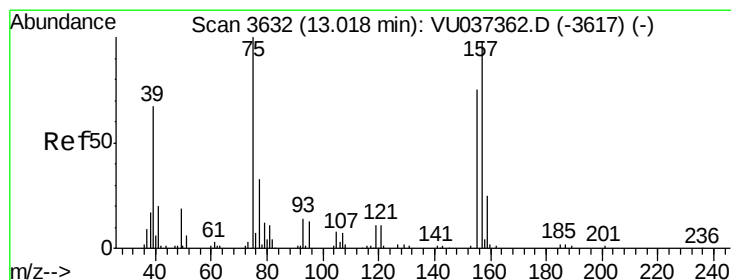
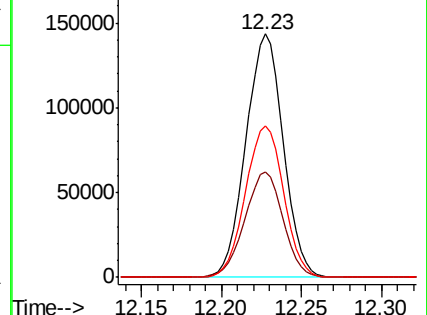
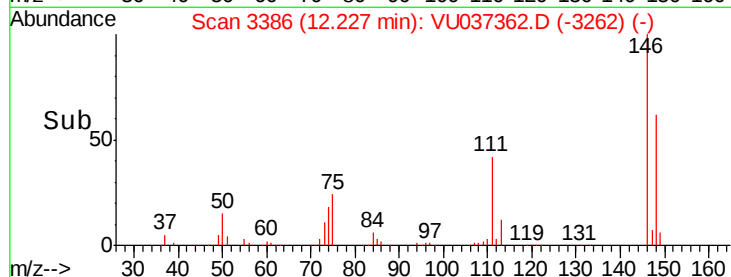
148 62.4 49.9 74.9



Abundance Ion 146.00 (145.70 to 146.70): 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: 47.186 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037362.D

Acq: 21 Mar 2020 18:35

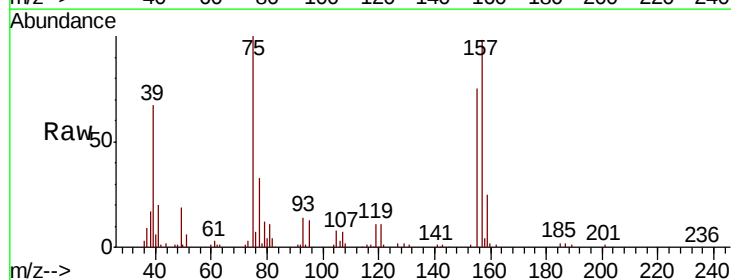
Tgt Ion: 75 Resp: 49803

Ion Ratio Lower Upper

75 100

155 74.6 59.7 89.5

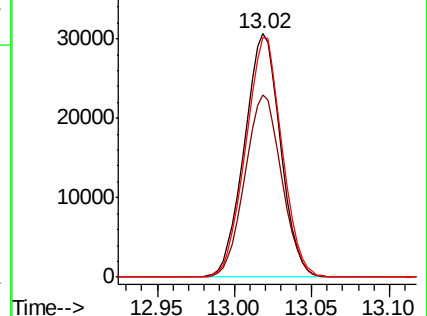
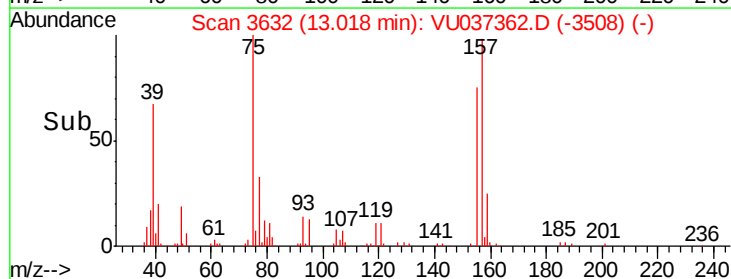
157 98.5 78.8 118.2

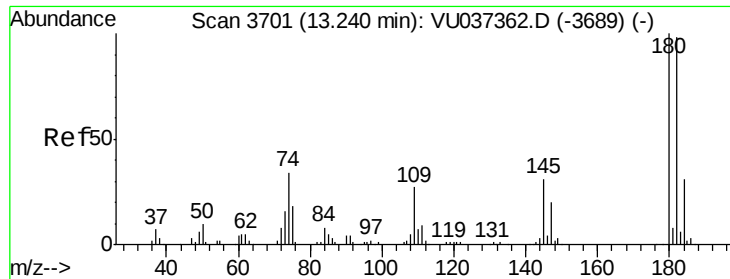


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

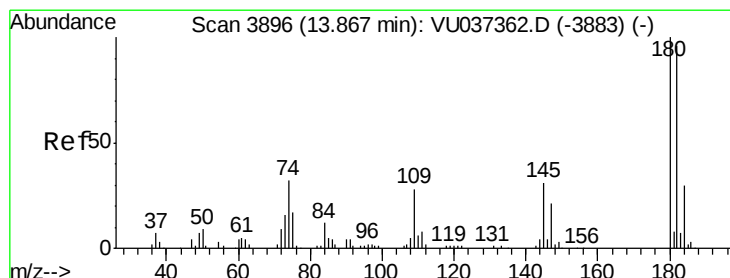
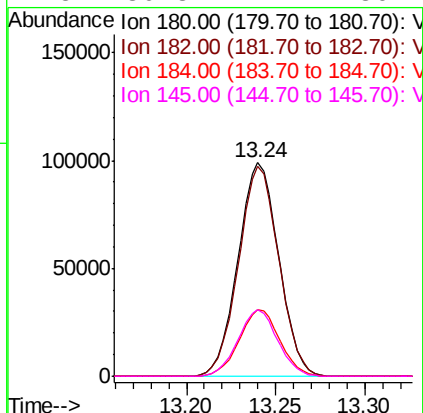
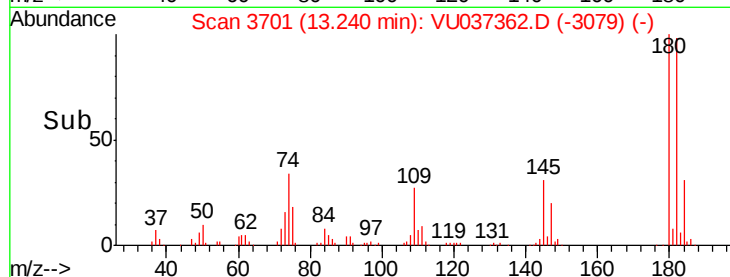
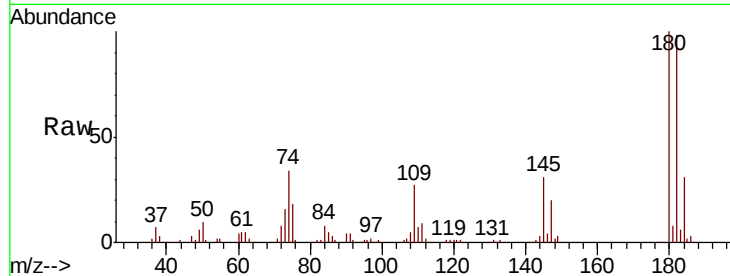




#67
 1,3,5-Trichlorobenzene
 Concen: 46.408 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

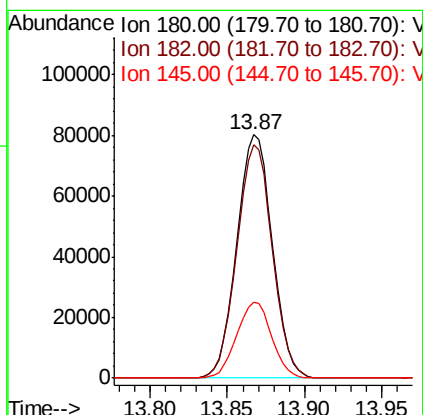
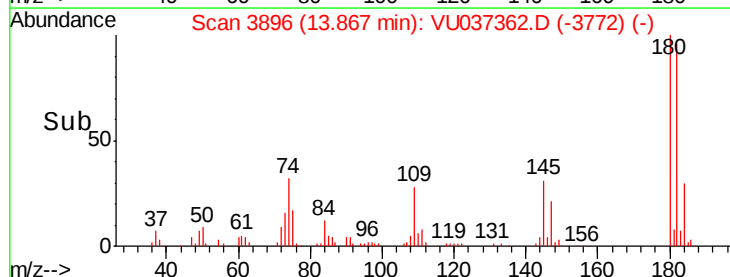
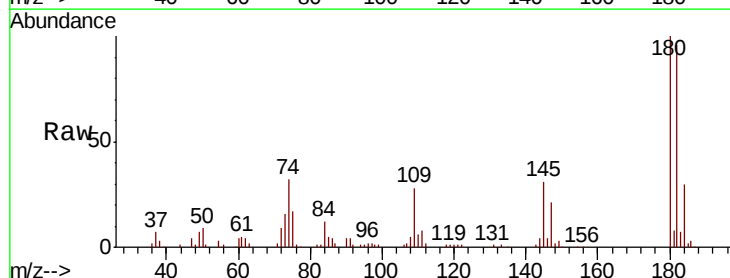
Instrument :
 MSVOA_U
 ClientSampled :

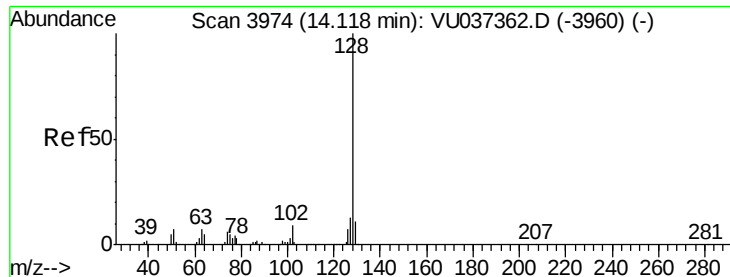
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
184	30.9	24.7	37.1
145	30.3	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 48.162 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037362.D
 Acq: 21 Mar 2020 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	30.7	24.6	36.8

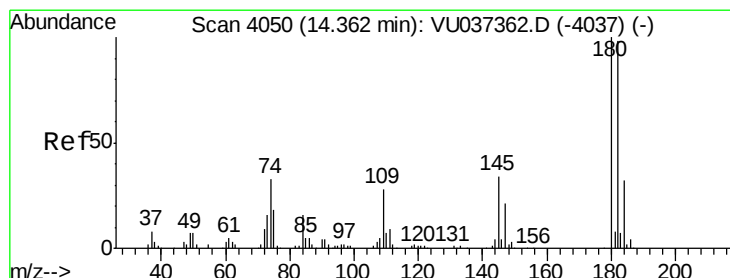
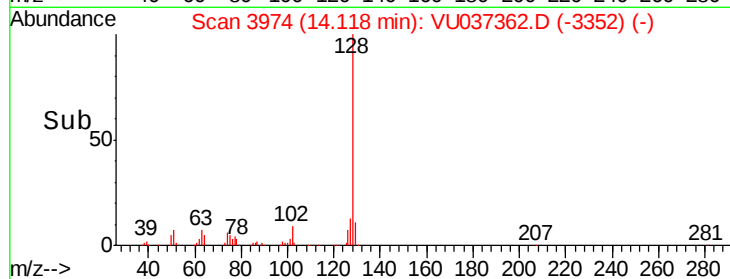
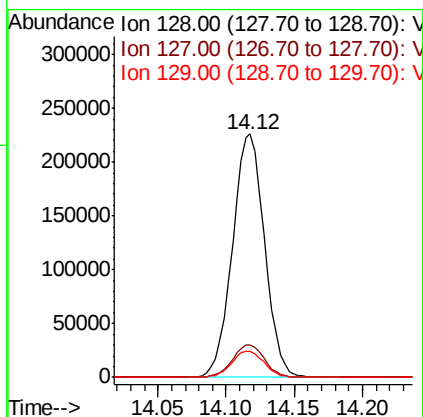
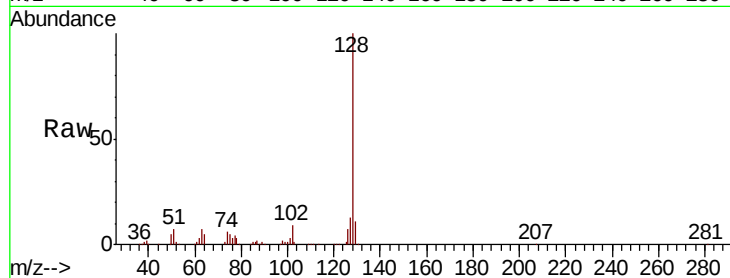




#69
Naphthalene
Concen: 78.244 ug/L
RT: 14.12 min Scan# 3974
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 368297
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.8 13.2



#70
1,2,3-Trichlorobenzene
Concen: 47.947 ug/L
RT: 14.36 min Scan# 4050
Delta R.T. 0.00 min
Lab File: VU037362.D
Acq: 21 Mar 2020 18:35

Tgt Ion:180 Resp: 134196
Ion Ratio Lower Upper
180 100
182 95.4 76.3 114.5
145 33.6 26.9 40.3

