

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
 Data File : VU037364.D
 Acq On : 21 Mar 2020 19:20
 Operator : JC/MD
 Sample : VSTD20032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 23 04:04:20 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	302043	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	312151	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	169368	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	585146	241.55	ug/L	0.00
7) Chloroethane-d5	1.91	69	451781	234.22	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	939472	217.15	ug/L	0.00
21) 2-Butanone-d5	4.67	46	792330	427.42	ug/L	0.00
24) Chloroform-d	5.10	84	964911	214.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	666782	204.13	ug/L	0.00
32) Benzene-d6	5.76	84	1770862	204.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	560368	199.27	ug/L	0.00
41) Toluene-d8	7.93	98	1757469	212.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	334565	216.63	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	675265	458.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	916172	209.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	731787	207.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	668814	213.427	ug/L	100
3) Chloromethane	1.53	50	594858	225.727	ug/L	99
5) Vinyl chloride	1.62	62	594272	212.441	ug/L	100
6) Bromomethane	1.85	94	311092	278.406	ug/L	97
8) Chloroethane	1.93	64	325689	200.822	ug/L	96
9) Trichlorofluoromethane	2.15	101	844587	199.893	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	398762	203.144	ug/L	98
12) 1,1-Dichloroethene	2.60	96	378673	210.763	ug/L	91
13) Acetone	2.65	43	463832	280.688	ug/L	99
14) Carbon disulfide	2.81	76	1224667	233.468	ug/L	100
15) Methyl Acetate	2.98	43	500257	183.834	ug/L	99
16) Methylene chloride	3.07	84	428624	193.714	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	394249	209.907	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	1403558	197.207	ug/L	99
19) 1,1-Dichloroethane	3.91	63	768014	186.967	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	447373	199.495	ug/L	99
22) 2-Butanone	4.75	43	756992	352.651	ug/L	99
23) Bromochloromethane	5.01	128	234957	204.011	ug/L	98
25) Chloroform	5.12	83	827131	185.266	ug/L	100
27) 1,2-Dichloroethane	5.83	62	721206	183.342	ug/L	98
29) Cyclohexane	5.42	56	714155	195.513	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	783597	189.405	ug/L	100
31) Carbon tetrachloride	5.56	117	701799	192.262	ug/L	99
33) Benzene	5.81	78	1698627	186.170	ug/L	100
34) Trichloroethene	6.57	95	458908	192.177	ug/L	98
35) Methylcyclohexane	6.79	83	733104	202.984	ug/L	99
37) 1,2-Dichloropropane	6.82	63	457262	177.674	ug/L	99
38) Bromodichloromethane	7.13	83	653897	181.463	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	783459	196.893	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1543516	369.978	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
 Data File : VU037364.D
 Acq On : 21 Mar 2020 19:20
 Operator : JC/MD
 Sample : VSTD20032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 23 04:04:20 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

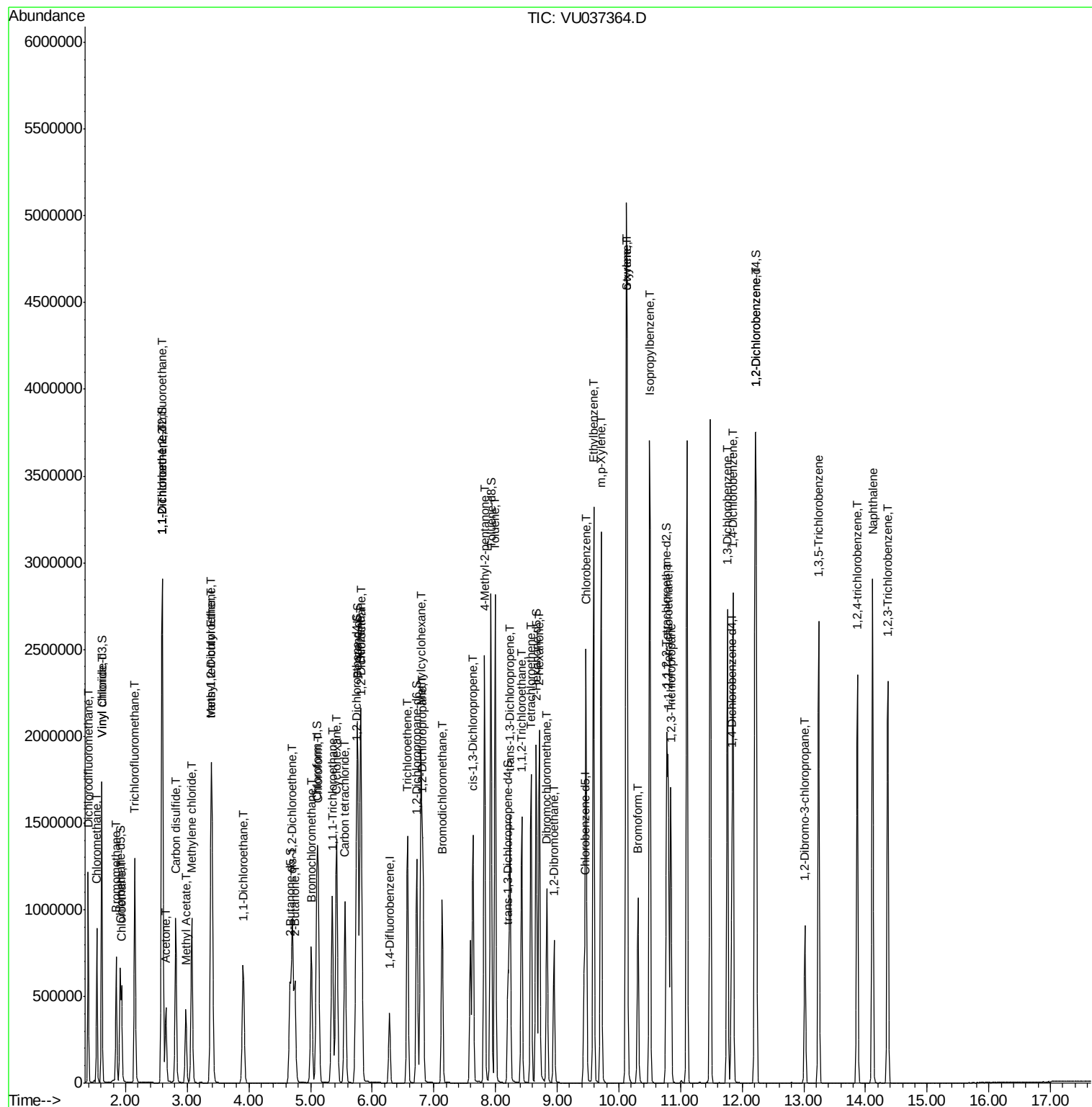
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1946892	194.678	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	805285	210.040	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	451613	190.496	ug/L	97
46) Tetrachloroethene	8.57	164	369366	206.013	ug/L	98
48) 2-Hexanone	8.71	43	1258199	383.830	ug/L	98
49) Dibromochloromethane	8.84	129	554256	198.210	ug/L	100
50) 1,2-Dibromoethane	8.95	107	501297	195.341	ug/L	99
51) Chlorobenzene	9.47	112	1241205	196.804	ug/L	99
52) Ethylbenzene	9.59	91	2261145	196.780	ug/L	99
53) m,p-Xylene	9.71	106	835017	204.429	ug/L	99
54) o-xylene	10.12	106	820016	202.704	ug/L	98
55) Styrene	10.13	104	1443235	210.341	ug/L	98
56) Isopropylbenzene	10.50	105	2288482	204.332	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	827897	192.488	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	679574	189.862	ug/L	100
61) Bromoform	10.31	173	465449	197.636	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	1055884	198.113	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	1055892	196.903	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	1040046	191.251	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	232090	194.804	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	777870	202.120	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	687895	229.785	ug/L	99
69) Naphthalene	14.11	128	2179613	410.220	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	684284	216.593	ug/L	99

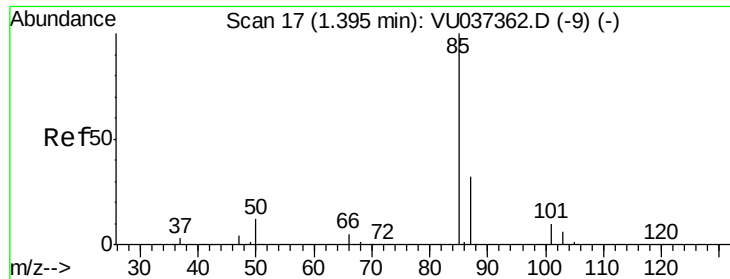
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
Data File : VU037364.D
Acq On : 21 Mar 2020 19:20
Operator : JC/MD
Sample : VSTD20032
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Mar 23 04:04:20 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





#2

Dichlorodifluoromethane

Concen: 213.427 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

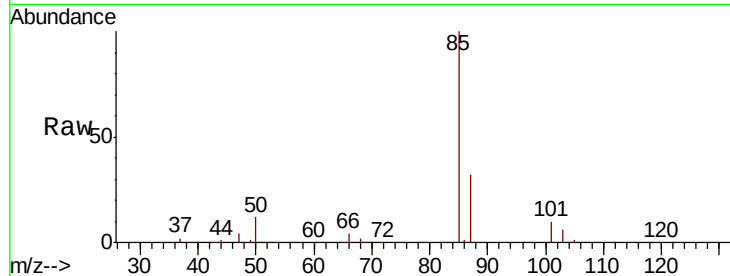
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 668814

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

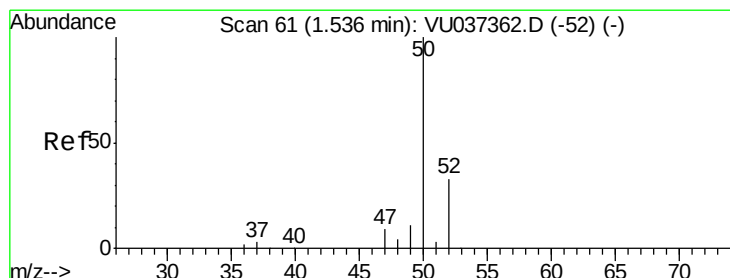
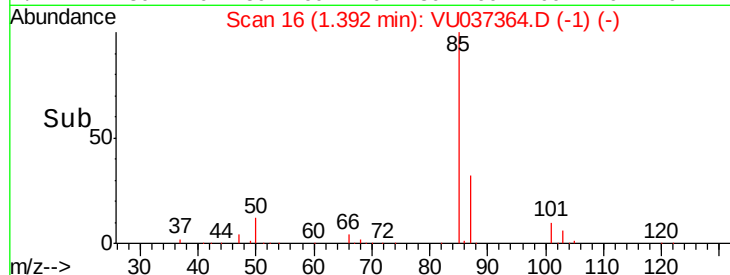
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 225.727 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037364.D

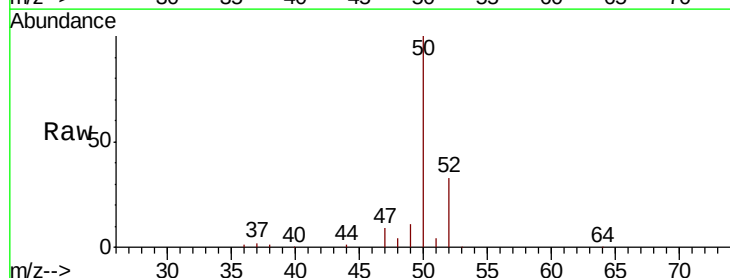
Acq: 21 Mar 2020 19:20

Tgt Ion: 50 Resp: 594858

Ion Ratio Lower Upper

50 100

52 32.8 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) (-)

1.53

600000

500000

400000

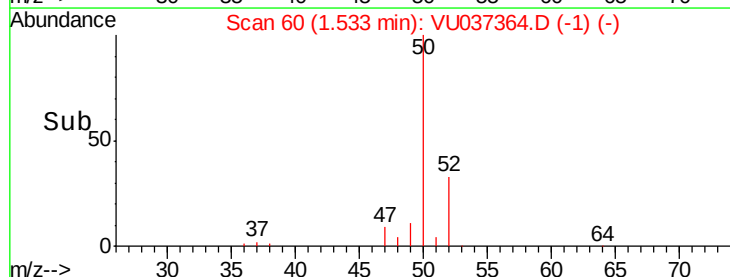
300000

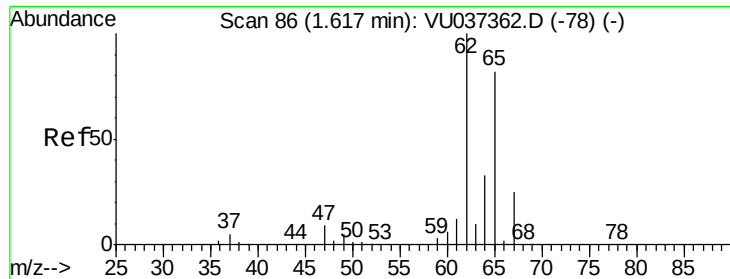
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 212.441 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

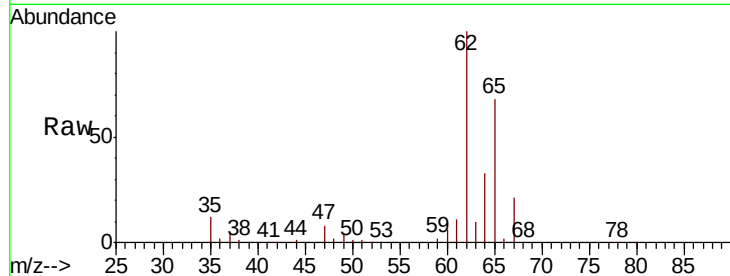
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 594272

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU037362.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037362.D (-78) (-)

1.62

600000

500000

400000

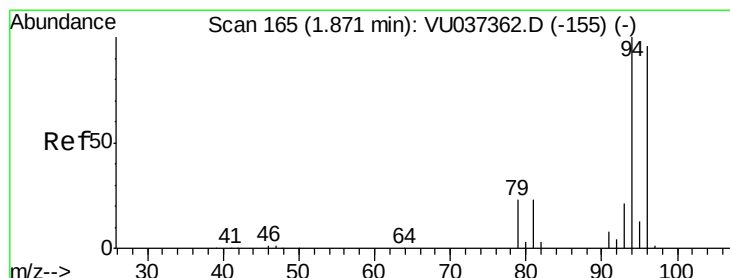
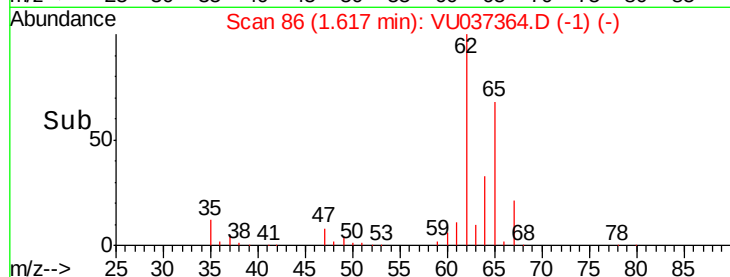
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 278.406 ug/L

RT: 1.85 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU037364.D

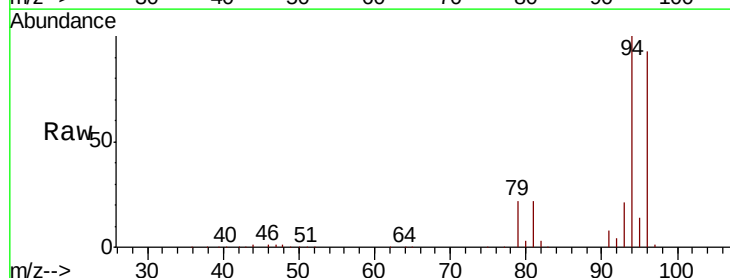
Acq: 21 Mar 2020 19:20

Tgt Ion: 94 Resp: 311092

Ion Ratio Lower Upper

94 100

96 93.3 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU037362.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU037362.D (-155) (-)

1.85

250000

200000

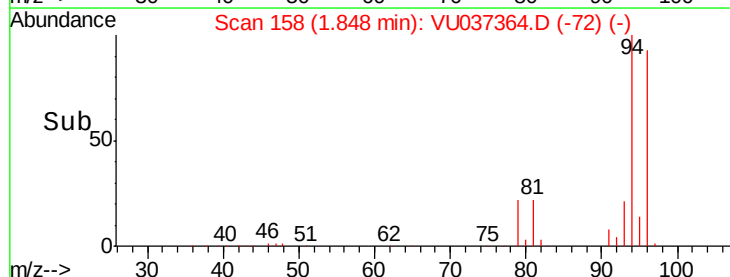
150000

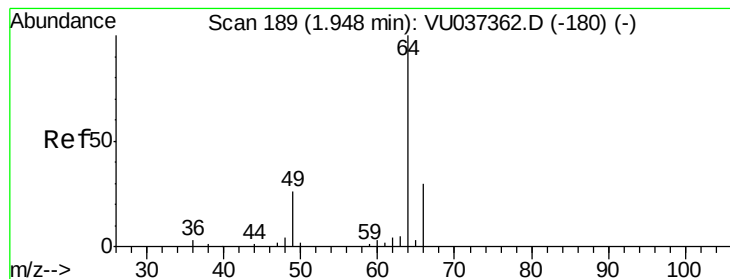
100000

50000

0

Time-->





#8

Chloroethane

Concen: 200.822 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

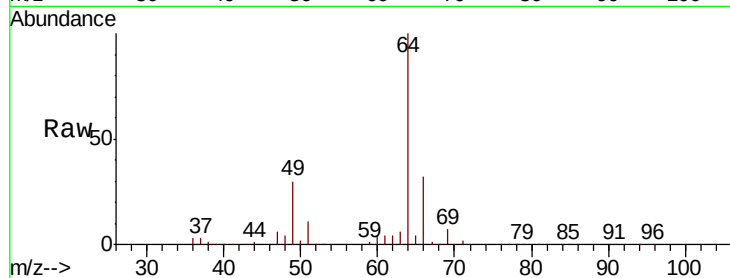
ClientSampled :

Tot Ion: 64 Resp: 325689

Ion Ratio Lower Upper

64 100

66 32.1 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) (-)

1.93

250000

200000

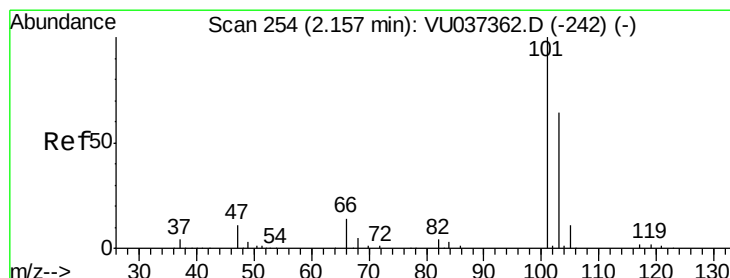
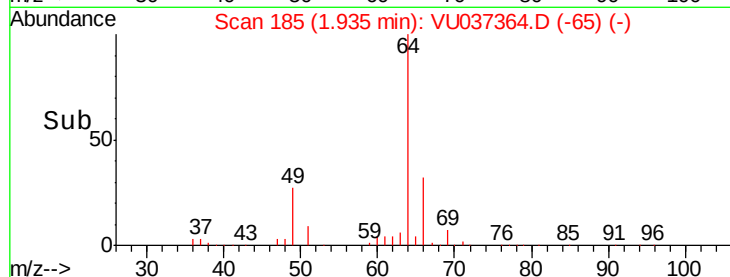
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 199.893 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.01 min

Lab File: VU037364.D

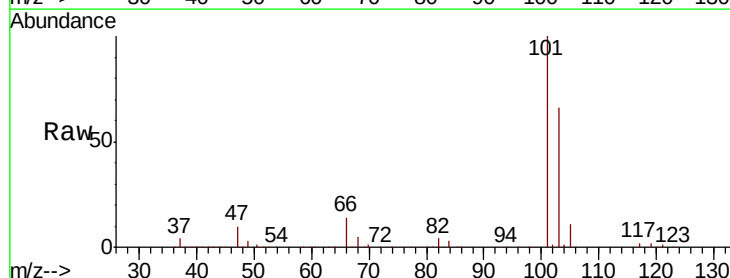
Acq: 21 Mar 2020 19:20

Tgt Ion:101 Resp: 844587

Ion Ratio Lower Upper

101 100

103 65.1 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) (-)

2.15

600000

500000

400000

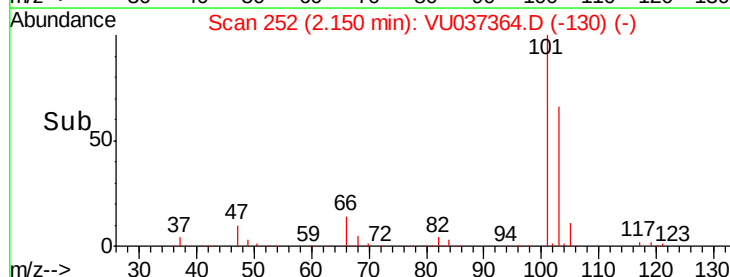
300000

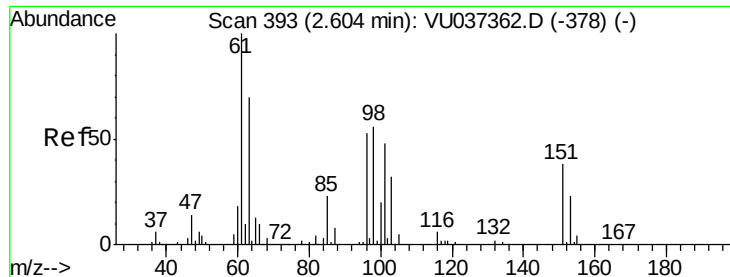
200000

100000

0

Time-->





#10

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

Concen: 203.144 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

ClientSampleId :

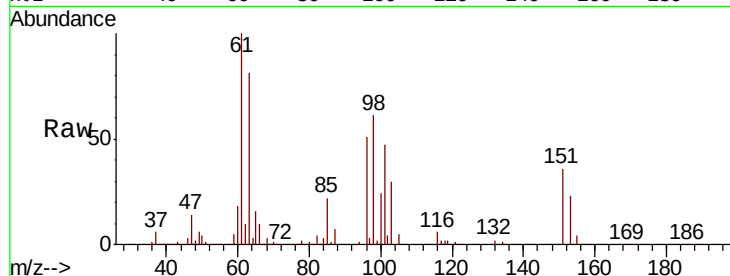
Tot Ion:101 Resp: 398762

Ion Ratio Lower Upper

101 100

85 46.2 37.6 56.4

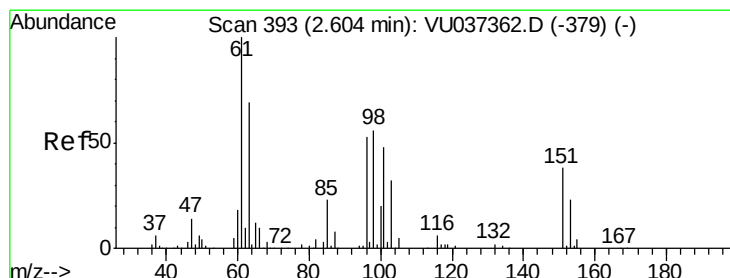
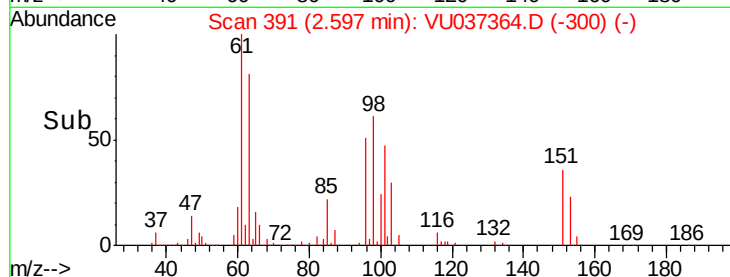
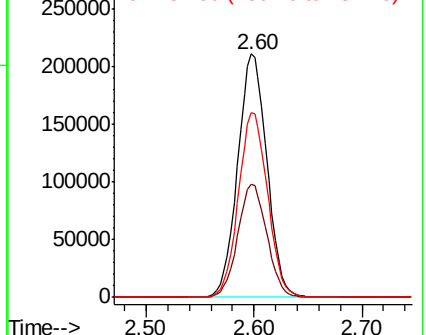
151 75.8 62.2 93.4



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: 210.763 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

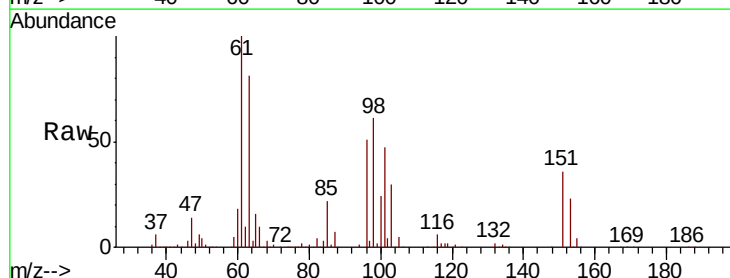
Tgt Ion: 96 Resp: 378673

Ion Ratio Lower Upper

96 100

61 194.5 133.4 247.8

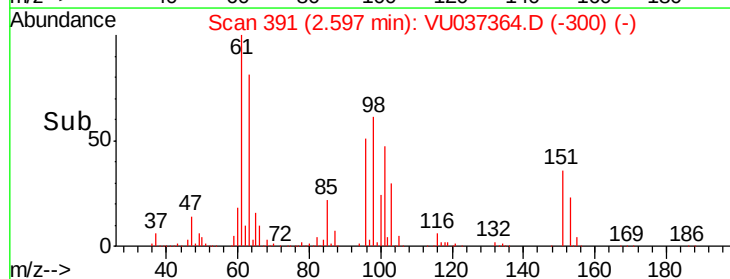
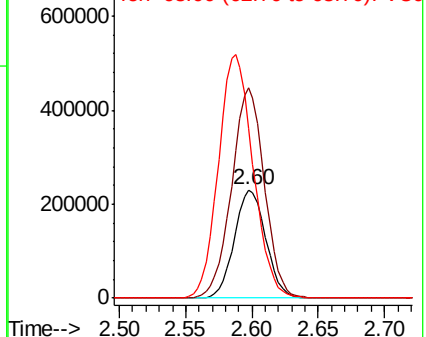
63 156.9 94.4 175.2

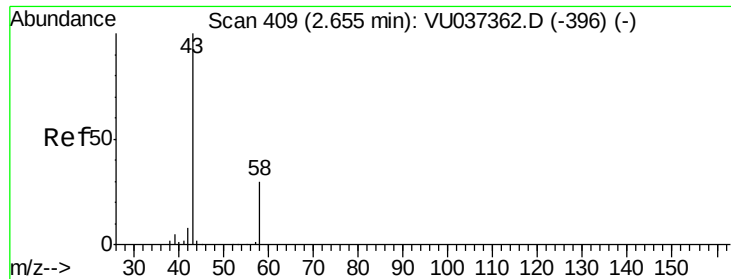


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 280.688 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

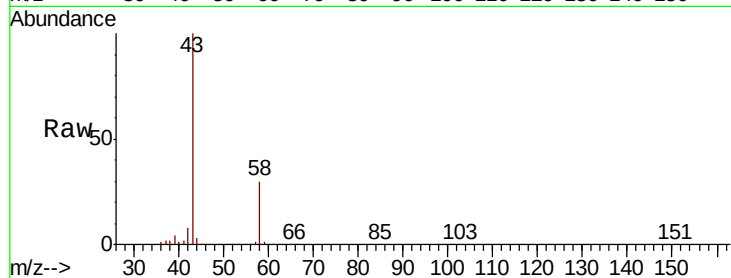
ClientSampled :

Tot Ion: 43 Resp: 463832

Ion Ratio Lower Upper

43 100

58 29.6 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VU037362.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037362.D (-396) (-)

2.65

250000

200000

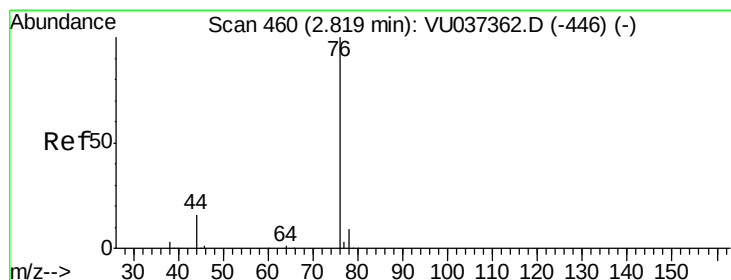
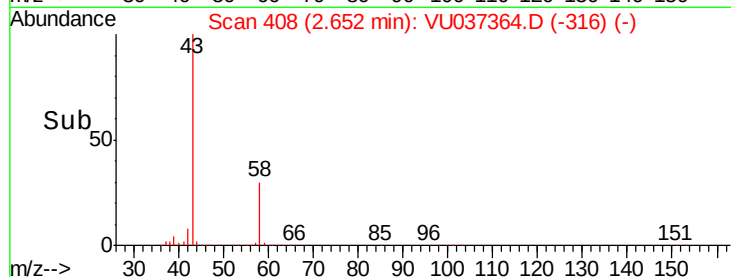
150000

100000

50000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 233.468 ug/L

RT: 2.81 min Scan# 458

Delta R.T. -0.01 min

Lab File: VU037364.D

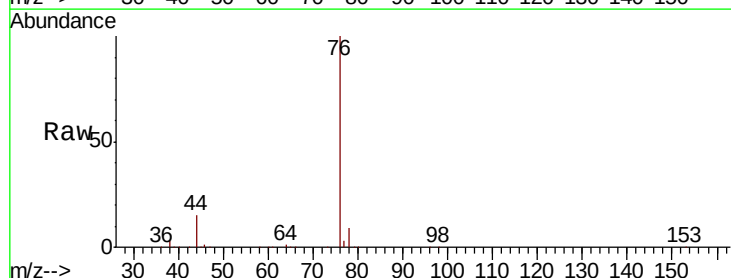
Acq: 21 Mar 2020 19:20

Tgt Ion: 76 Resp: 1224667

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU037362.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037362.D (-446) (-)

2.81

800000

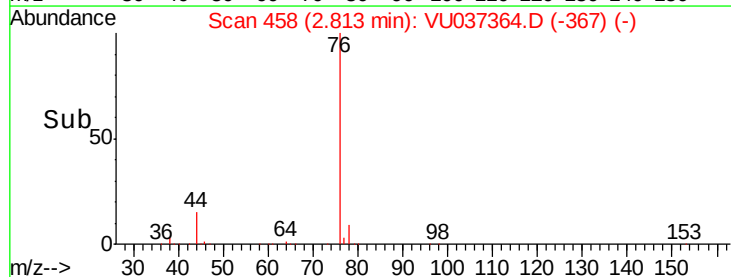
600000

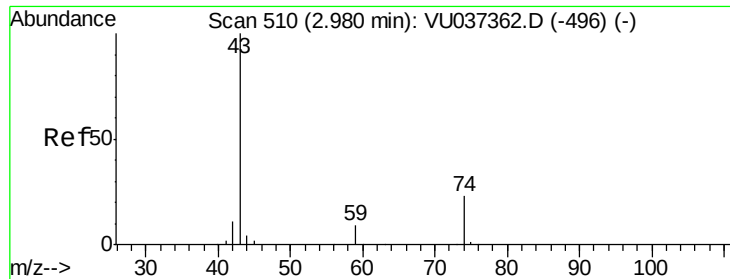
400000

200000

0

Time--> 2.70 2.80 2.90

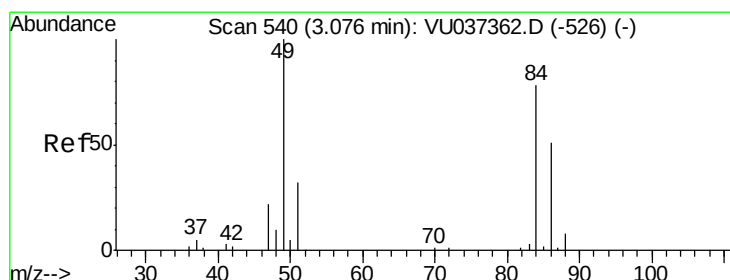
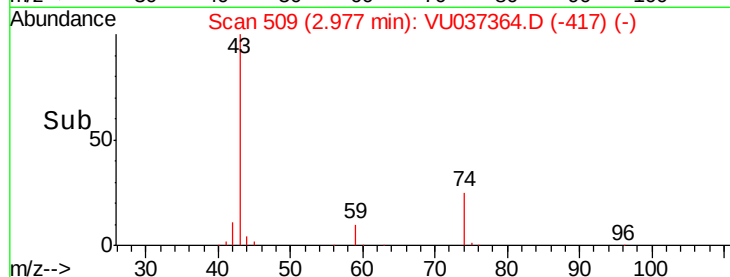
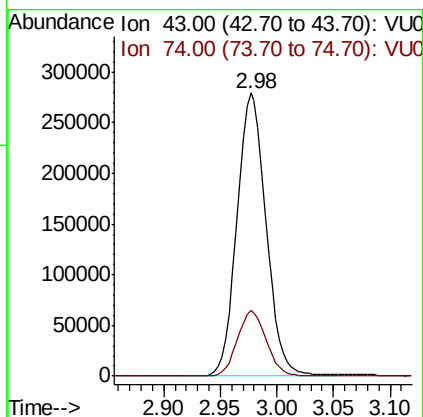
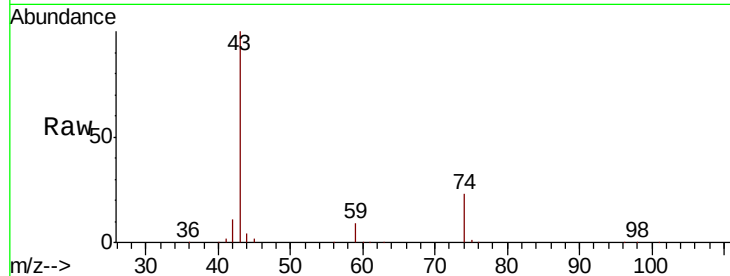




#15
Methvl Acetate
Concen: 183.834 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

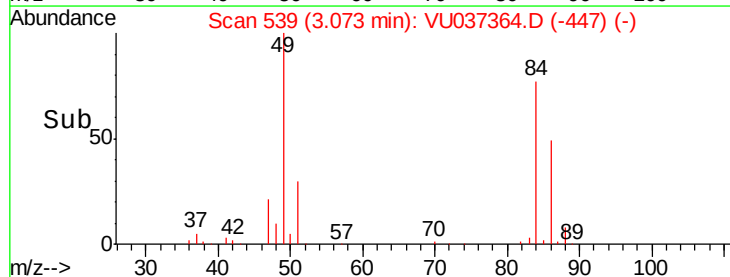
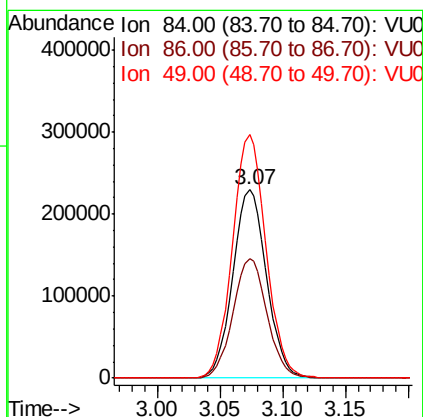
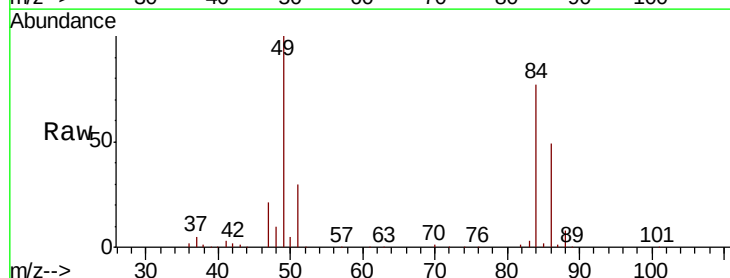
Instrument :
MSVOA_U
ClientSampled :

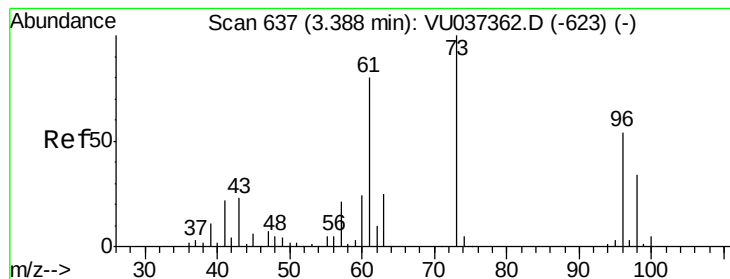
Tot Ion: 43 Resp: 500257
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2



#16
Methylene chloride
Concen: 193.714 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Tgt Ion: 84 Resp: 428624
Ion Ratio Lower Upper
84 100
86 63.5 45.7 84.9
49 129.5 90.0 167.2





#17

trans-1,2-Dichloroethene

Concen: 209.907 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.01 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :
MSVOA_U
ClientSampleId :

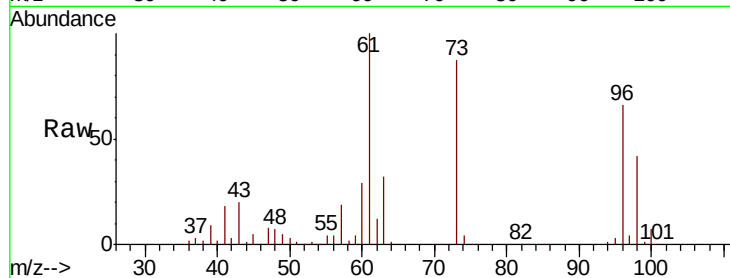
Tot Ion: 96 Resp: 394249

Ion Ratio Lower Upper

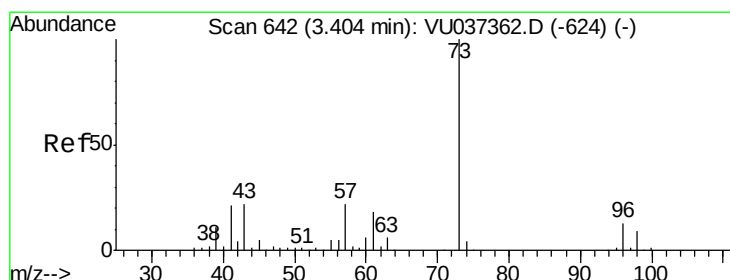
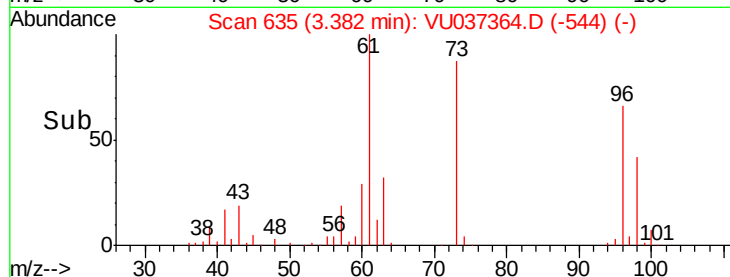
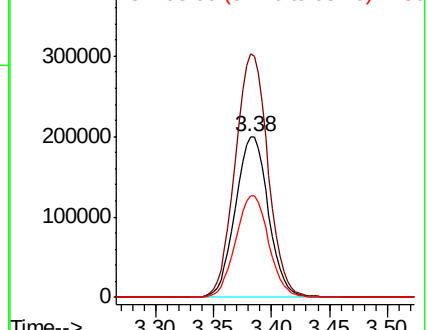
96 100

61 151.4 103.3 191.9

98 63.5 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: 197.207 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

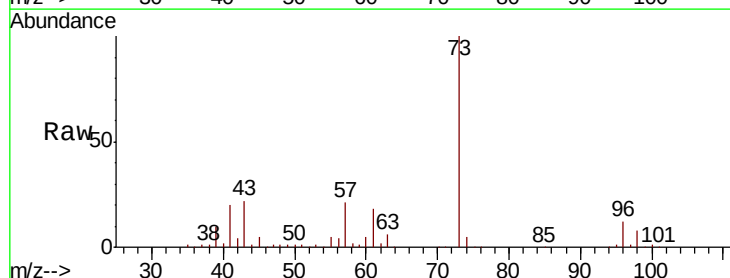
Tgt Ion: 73 Resp: 1403558

Ion Ratio Lower Upper

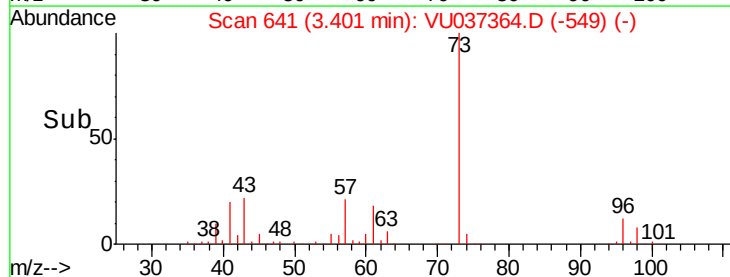
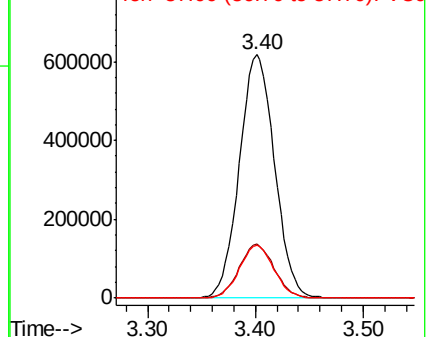
73 100

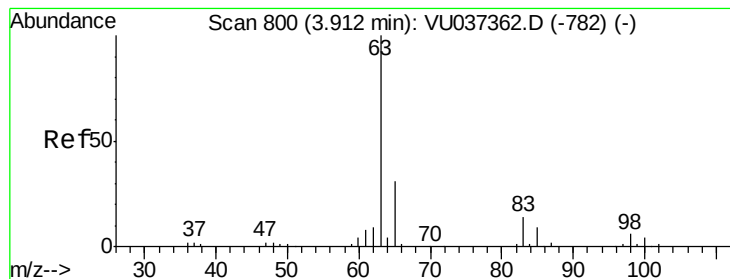
43 22.0 18.2 27.2

57 21.4 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: 186.967 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.01 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

ClientSampleId :

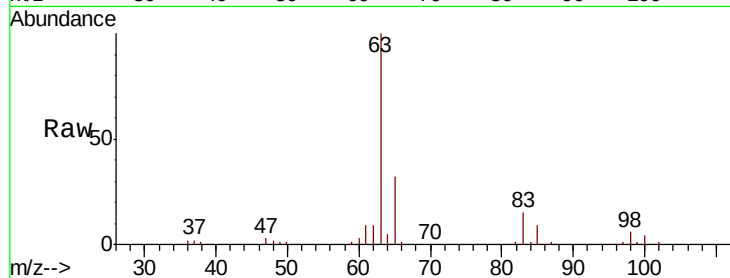
Tot Ion: 63 Resp: 768014

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.0

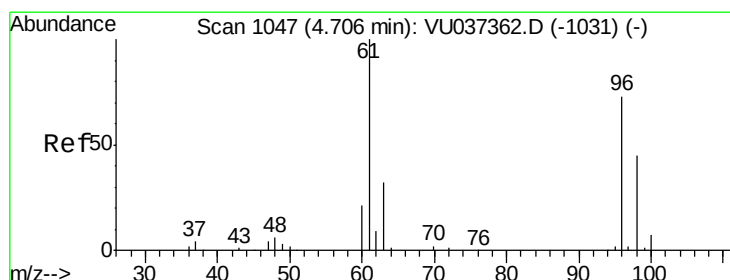
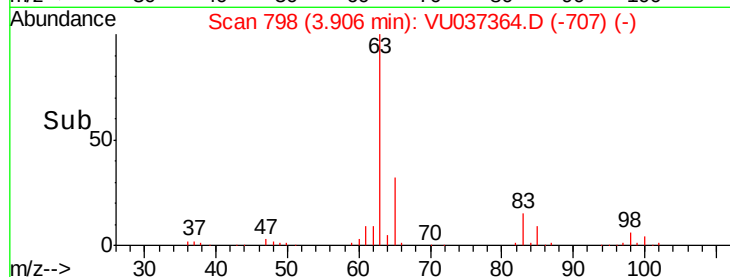
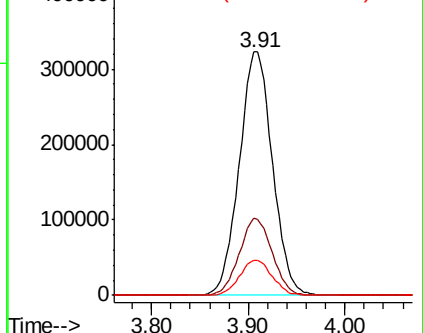
83 14.5 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU037362.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU037362.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU037362.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 199.495 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

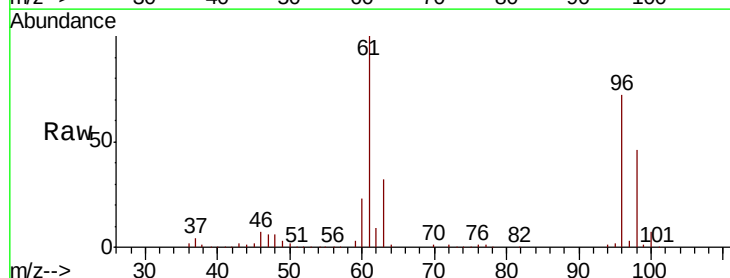
Tgt Ion: 96 Resp: 447373

Ion Ratio Lower Upper

96 100

61 138.4 96.2 178.8

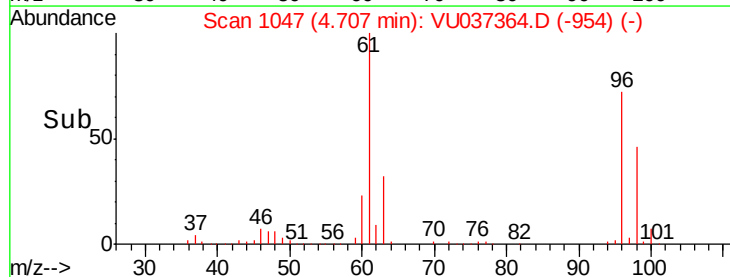
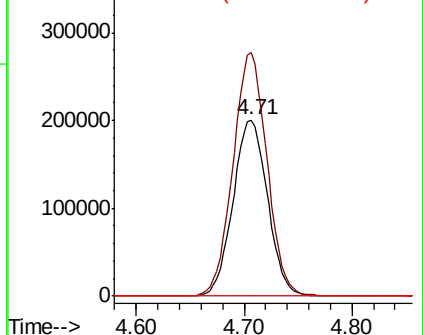
68 0.0 0.0 0.0

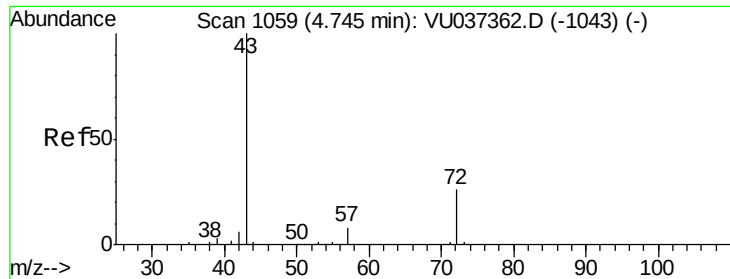


Abundance Ion 96.00 (95.70 to 96.70): VU037362.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU037362.D (-1031) (-)

Ion 68.00 (67.70 to 68.70): VU037362.D (-1031) (-)





#22

2-Butanone

Concen: 352.651 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

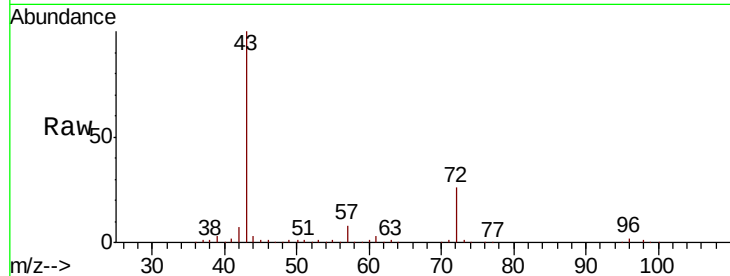
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 756992

Ion Ratio Lower Upper

43 100

72 26.8 13.2 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU037362.D (-1043) (-)

Ion 72.00 (71.70 to 72.70): VU037362.D (-1043) (-)

4.75

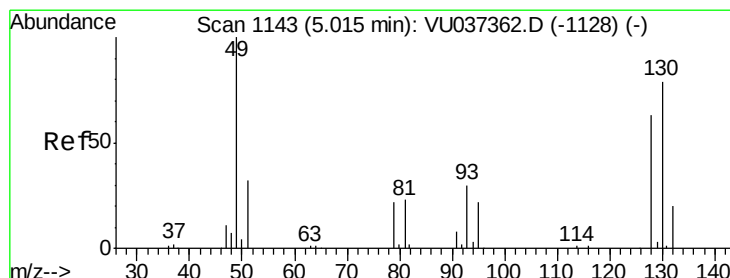
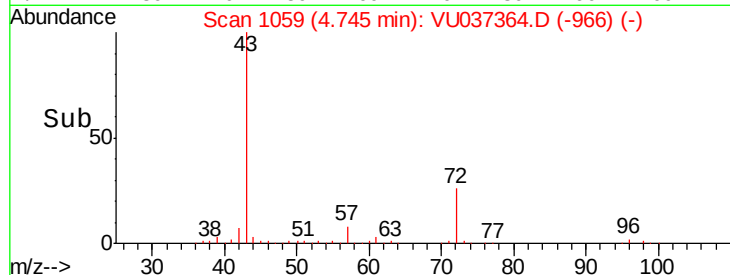
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 204.011 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Tgt Ion: 128 Resp: 234957

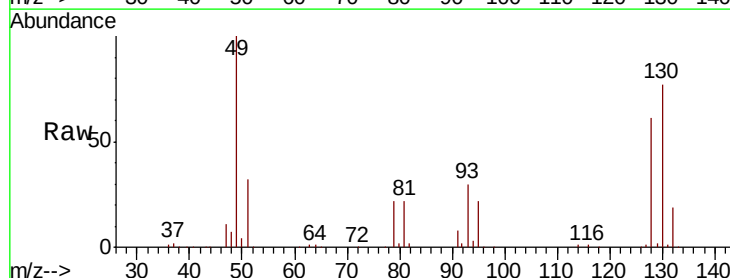
Ion Ratio Lower Upper

128 100

49 164.6 112.1 208.1

130 126.5 88.0 163.4

51 53.0 40.3 60.5



Abundance Ion 128.00 (127.70 to 128.70): VU037362.D (-1128) (-)

Ion 49.00 (48.70 to 49.70): VU037362.D (-1128) (-)

Ion 130.00 (129.70 to 130.70): VU037362.D (-1128) (-)

Ion 51.00 (50.70 to 51.70): VU037362.D (-1128) (-)

250000

200000

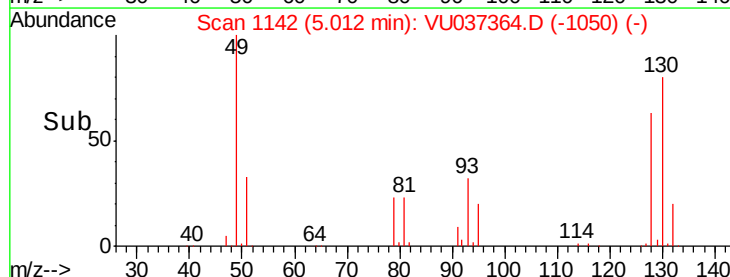
150000

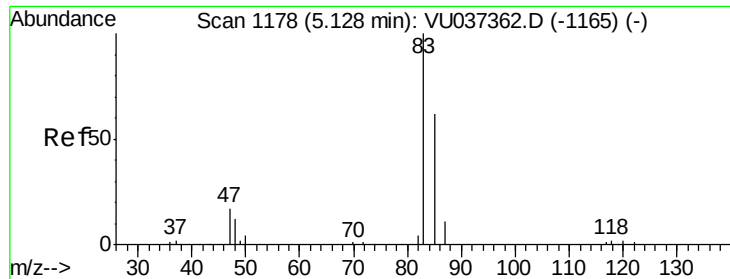
100000

50000

0

Time-->

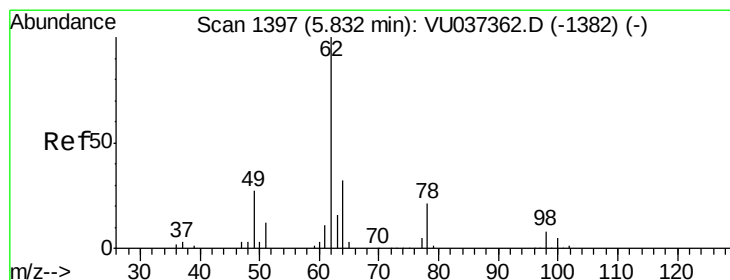
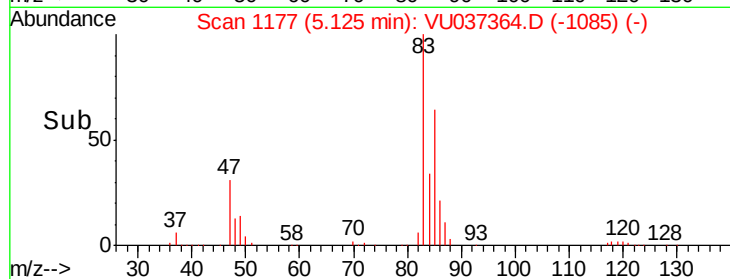
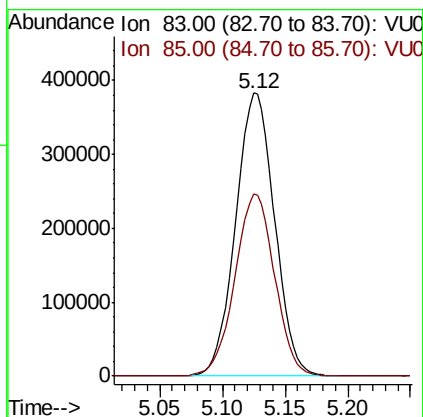
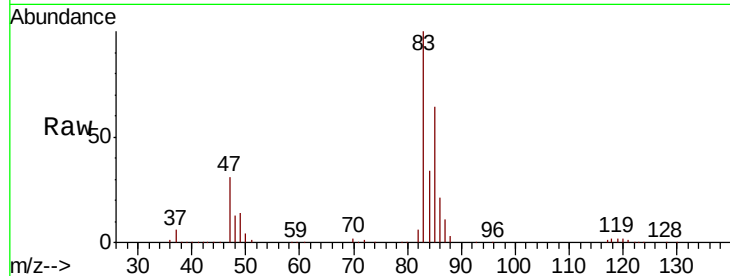




#25
Chloroform
Concen: 185.266 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

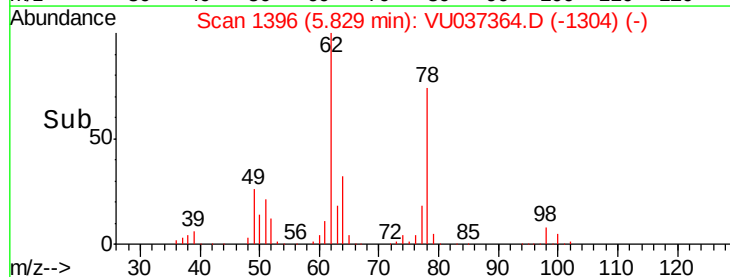
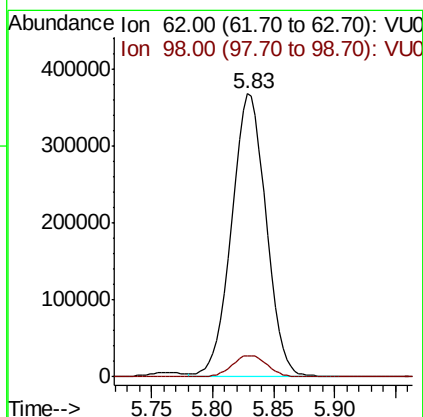
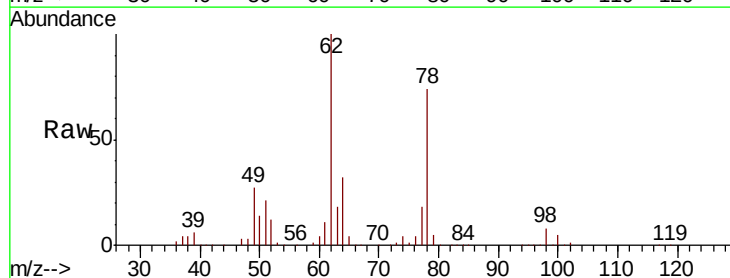
Instrument :
MSVOA_U
ClientSampleId :

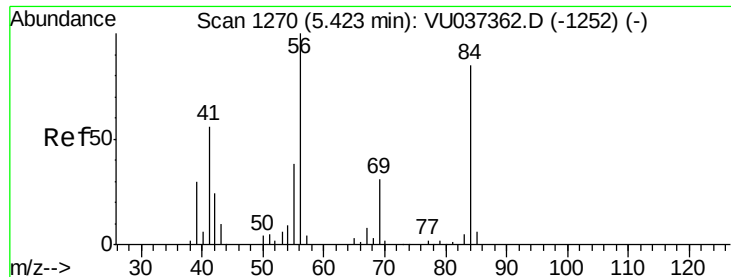
Tot Ion: 83 Resp: 827131
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 183.342 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Tgt Ion: 62 Resp: 721206
Ion Ratio Lower Upper
62 100
98 7.6 6.6 10.0

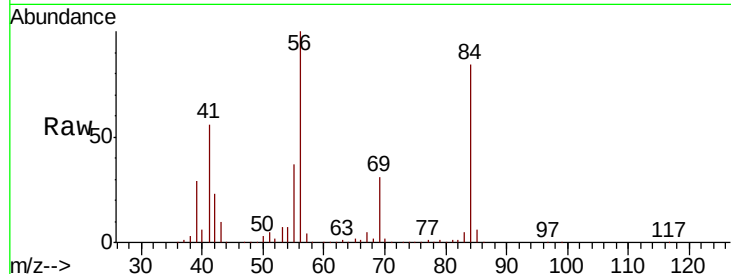




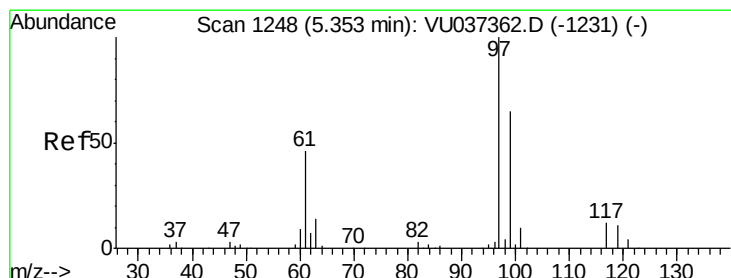
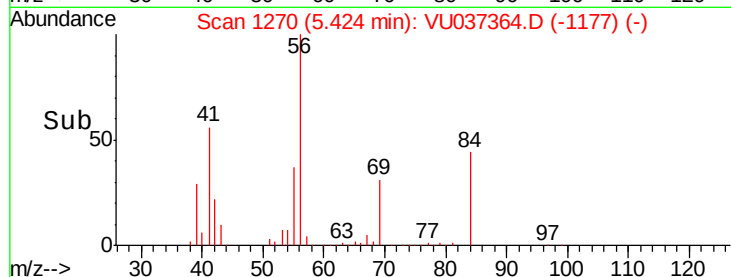
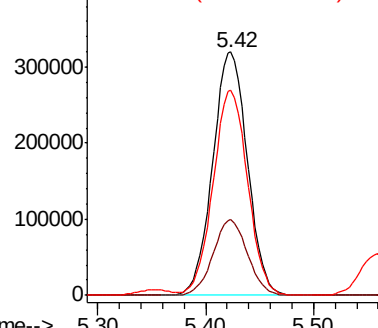
#29
Cyclohexane
Concen: 195.513 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 714155
Ion Ratio Lower Upper
56 100
69 30.8 24.8 37.2
84 83.8 68.2 102.4

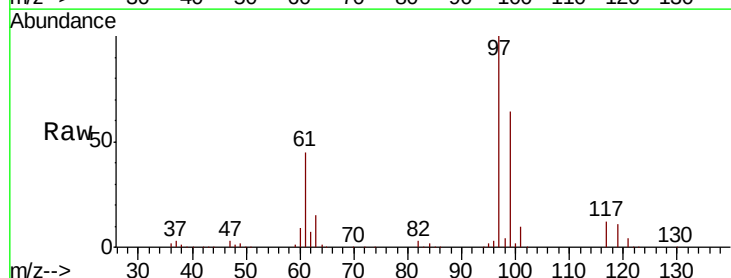


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

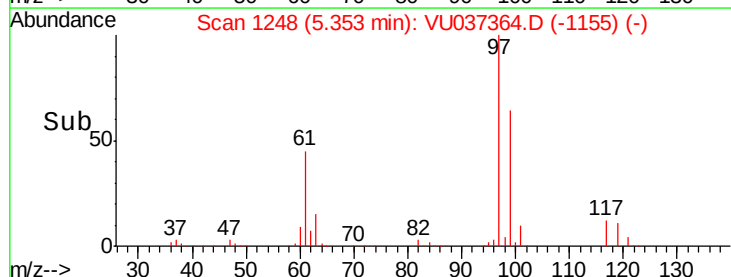
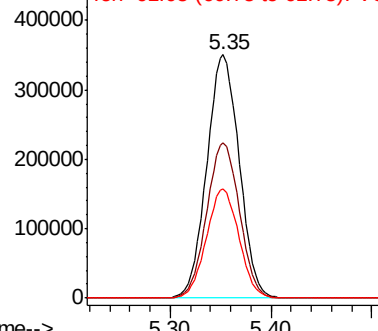


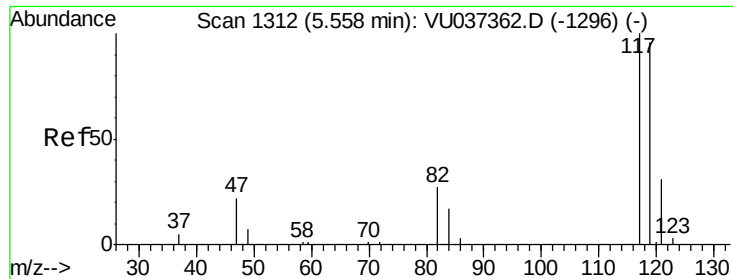
#30
1,1,1-Trichloroethane
Concen: 189.405 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Tgt Ion: 97 Resp: 783597
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 45.1 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: 192.262 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

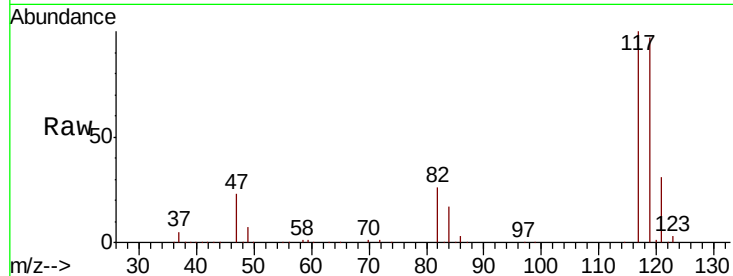
ClientSampleId :

Tot Ion:117 Resp: 701799

Ion Ratio Lower Upper

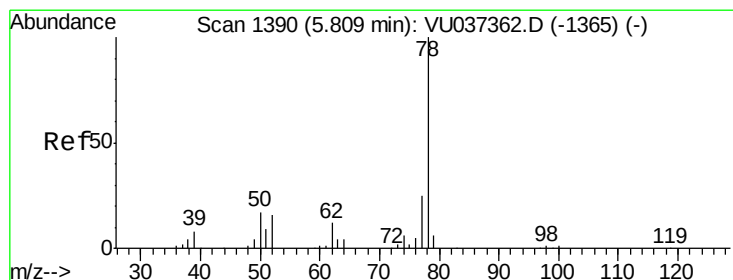
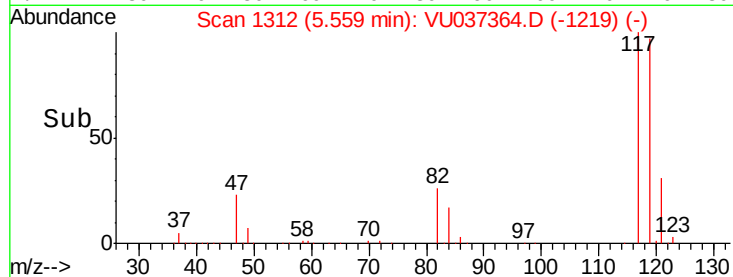
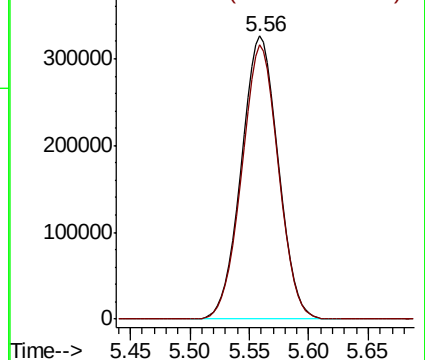
117 100

119 95.9 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 186.170 ug/L

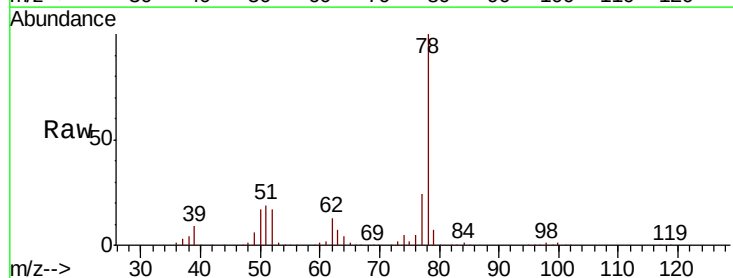
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

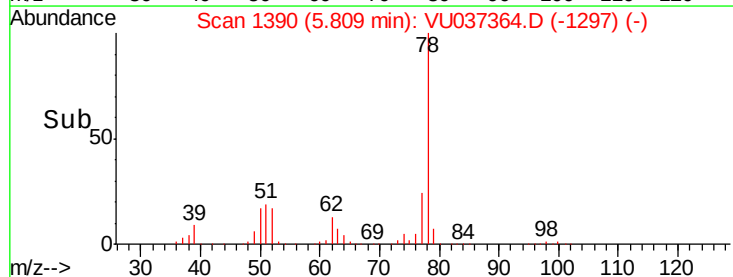
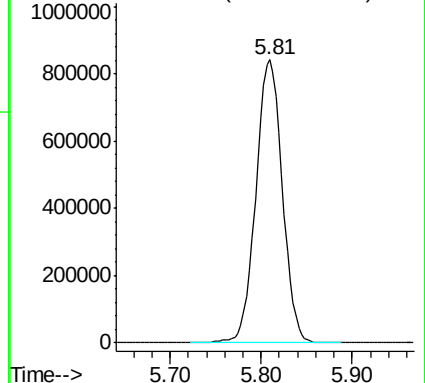
Lab File: VU037364.D

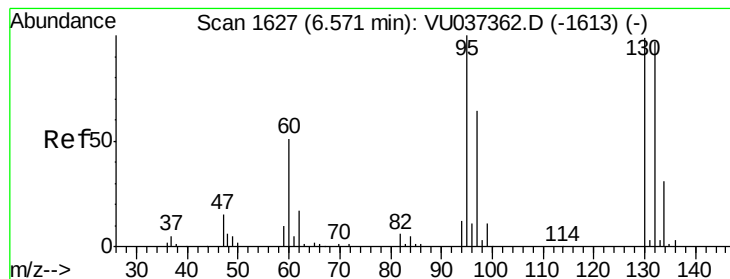
Acq: 21 Mar 2020 19:20

Tgt Ion: 78 Resp: 1698627



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 192.177 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 458908

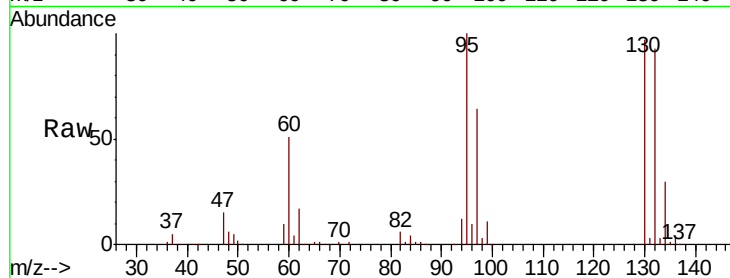
Ion Ratio Lower Upper

95 100

97 64.4 44.9 83.5

132 93.4 68.0 126.2

130 97.2 69.6 129.2

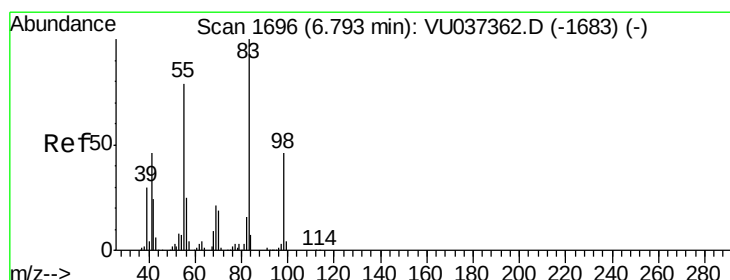
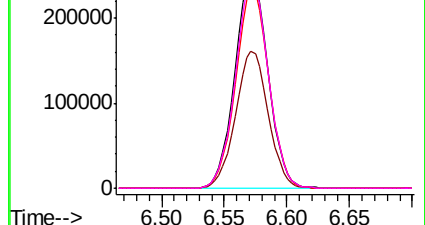
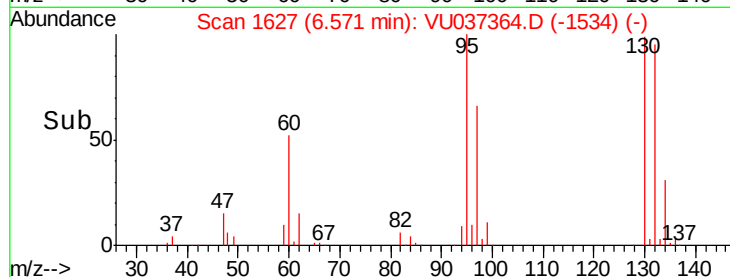


Abundance Ion 95.00 (94.70 to 95.70): VU037364.D (-1613) (-)

Ion 97.00 (96.70 to 97.70): VU037364.D (-1613) (-)

Ion 132.00 (131.70 to 132.70): VU037364.D (-1613) (-)

Ion 130.00 (129.70 to 130.70): VU037364.D (-1613) (-)



#35

Methylcyclohexane

Concen: 202.984 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

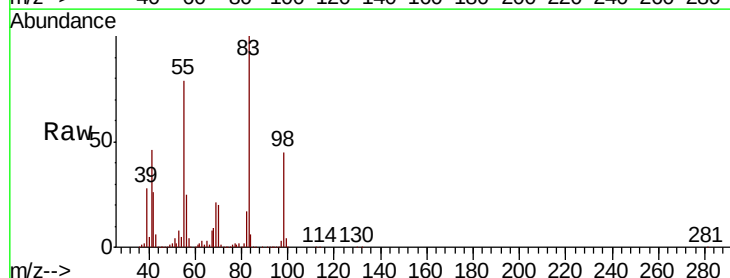
Tgt Ion: 83 Resp: 733104

Ion Ratio Lower Upper

83 100

55 78.9 64.3 96.5

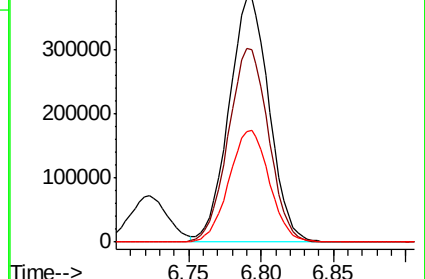
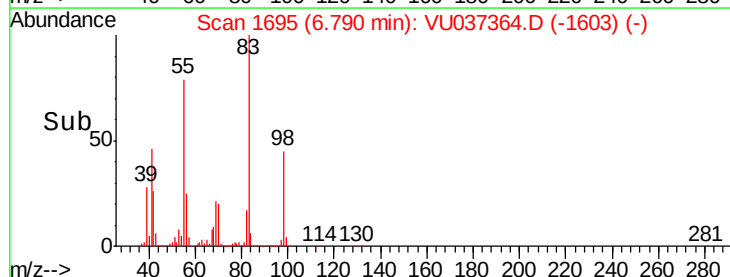
98 45.8 36.5 54.7

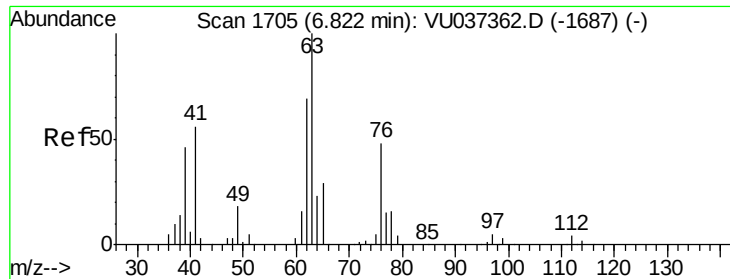


Abundance Ion 83.00 (82.70 to 83.70): VU037364.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU037364.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU037364.D (-1683) (-)

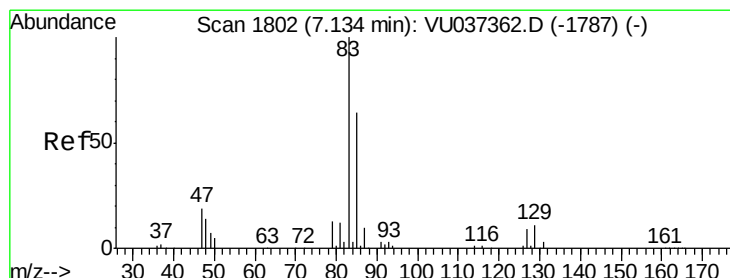
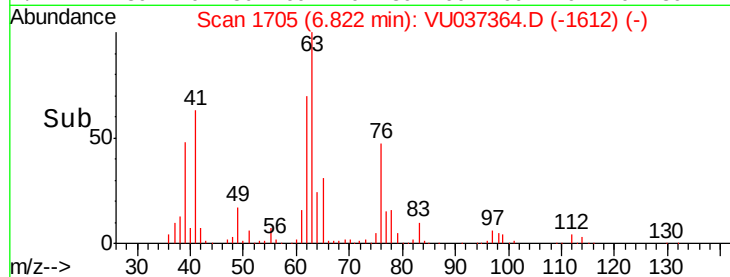
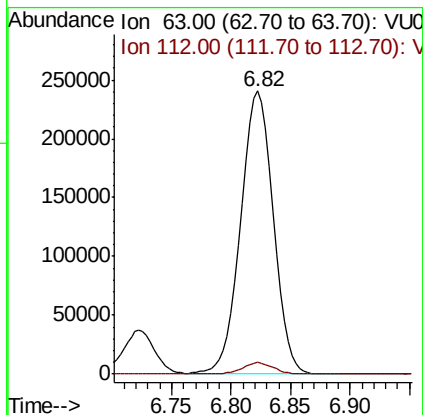
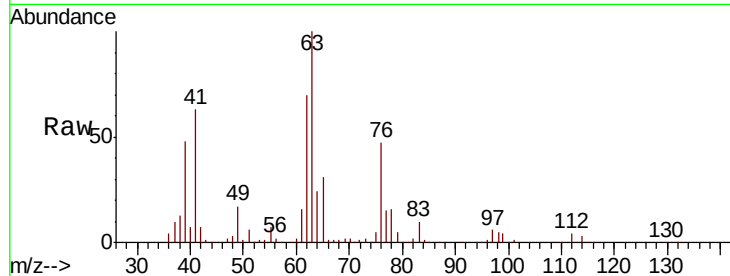




#37
 1,2-Dichloropropane
 Concen: 177.674 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037364.D
 Acq: 21 Mar 2020 19:20

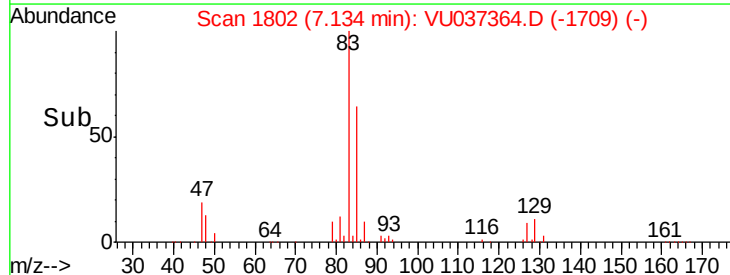
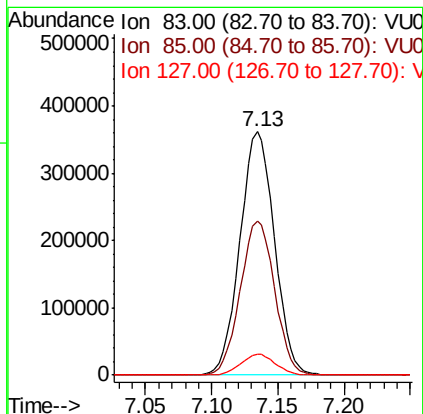
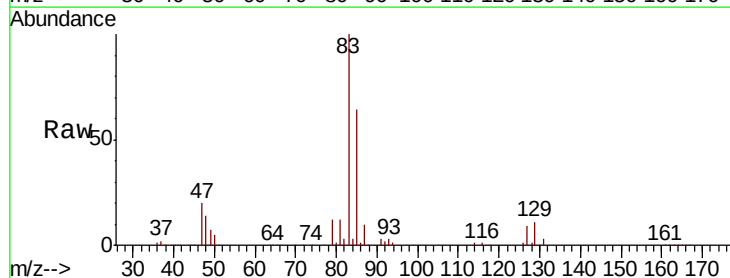
Instrument :
 MSVOA_U
 ClientSampleId :

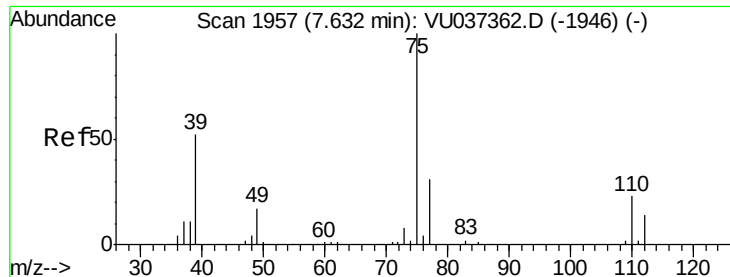
Tot Ion: 63 Resp: 457262
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 181.463 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037364.D
 Acq: 21 Mar 2020 19:20

Tgt Ion: 83 Resp: 653897
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.0 83.6
 127 8.5 7.0 10.4

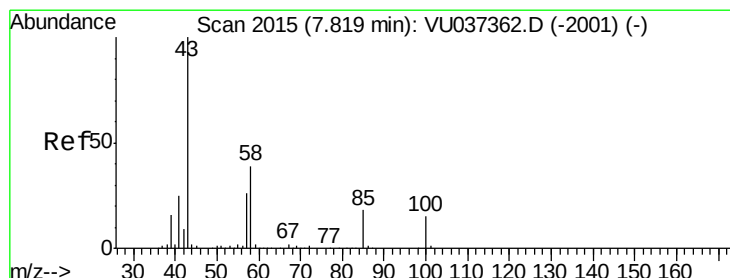
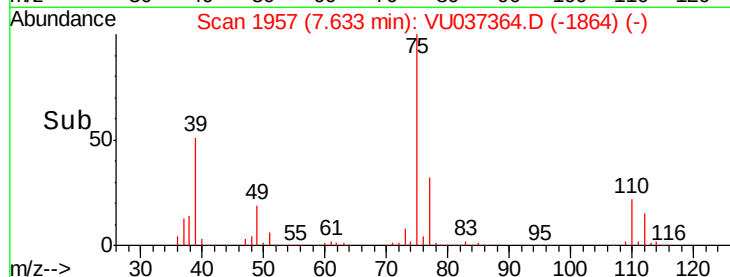
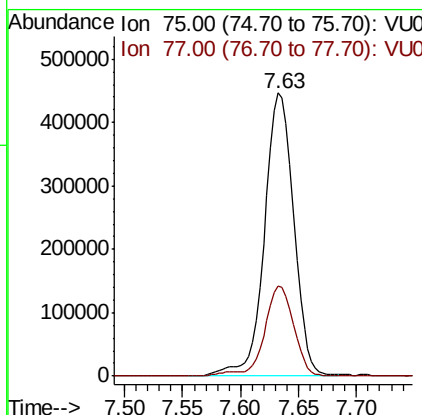
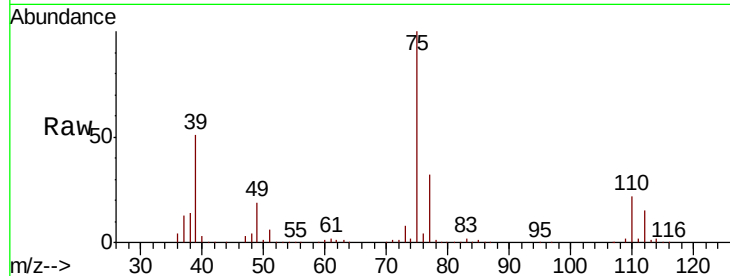




#39
 cis-1,3-Dichloropropene
 Concen: 196.893 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037364.D
 Acq: 21 Mar 2020 19:20

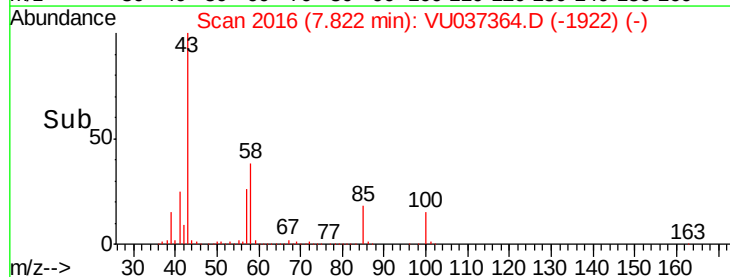
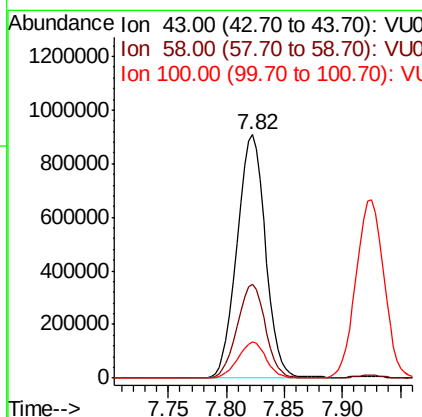
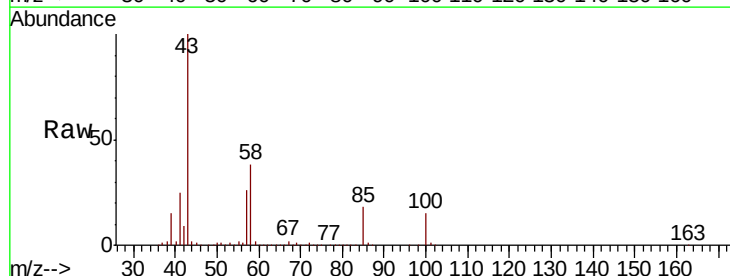
Instrument :
 MSVOA_U
 ClientSampleId :

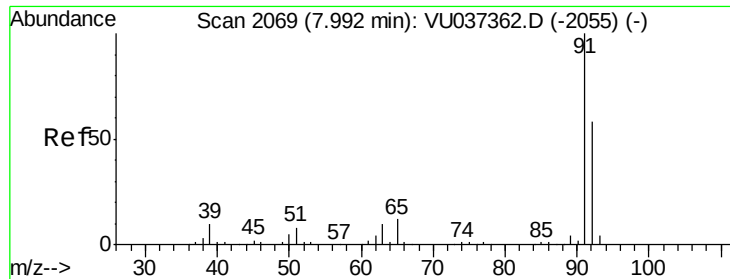
Tot Ion: 75 Resp: 783459
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 369.978 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037364.D
 Acq: 21 Mar 2020 19:20

Tgt Ion: 43 Resp: 1543516
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.7 46.1
 100 14.7 11.8 17.6





#42

Toluene

Concen: 194.678 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

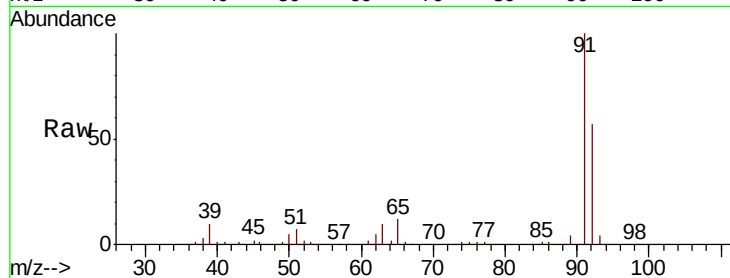
ClientSampleId :

Tot Ion: 91 Resp: 1946892

Ion Ratio Lower Upper

91 100

92 57.2 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) (-)

8.00

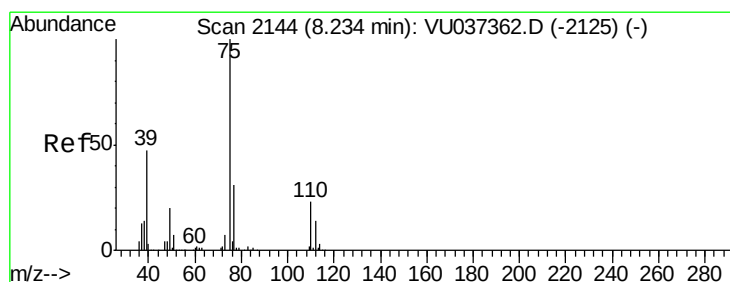
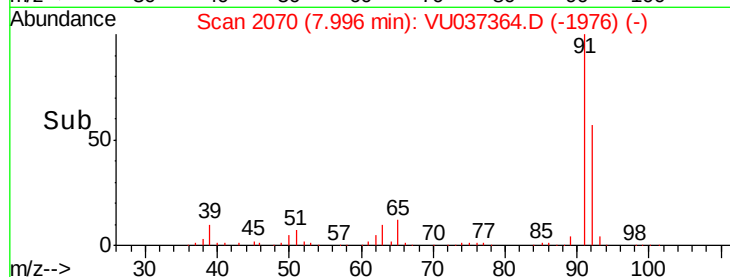
1000000

500000

0

Time-->

7.90 8.00 8.10



#44

trans-1,3-Dichloropropene

Concen: 210.040 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037364.D

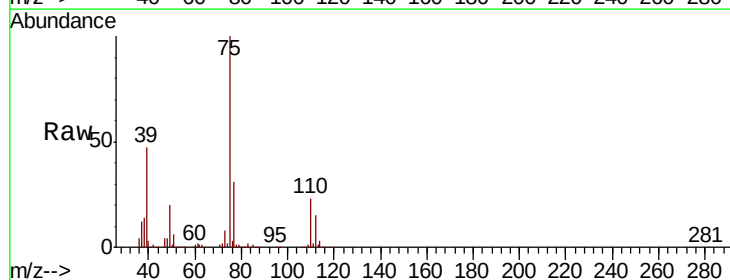
Acq: 21 Mar 2020 19:20

Tgt Ion: 75 Resp: 805285

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

500000

400000

300000

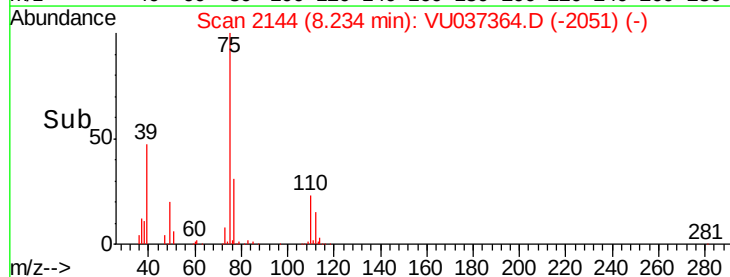
200000

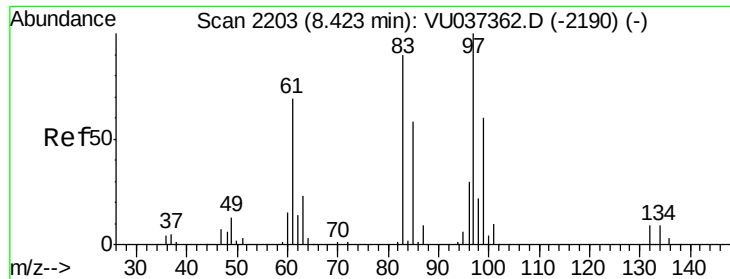
100000

0

Time-->

8.10 8.20 8.30

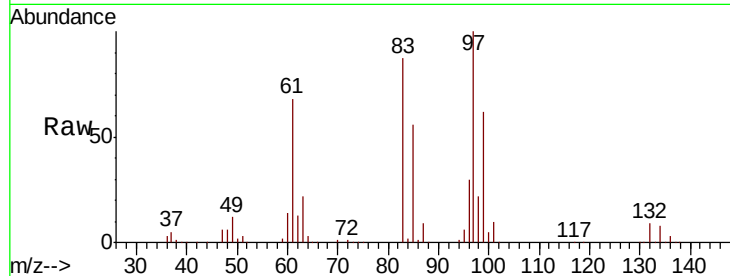




#45
1,1,2-Trichloroethane
Concen: 190.496 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	451613
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.1	78.1
83	86.8	62.7	116.5
85	55.6	40.7	75.5



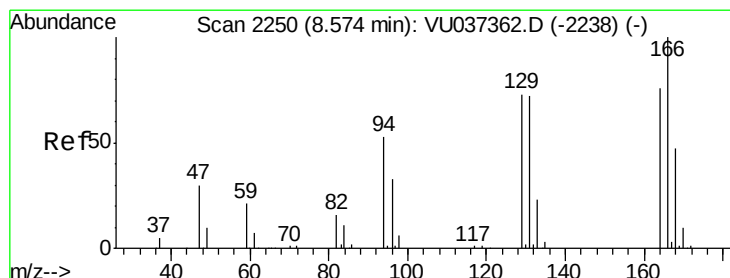
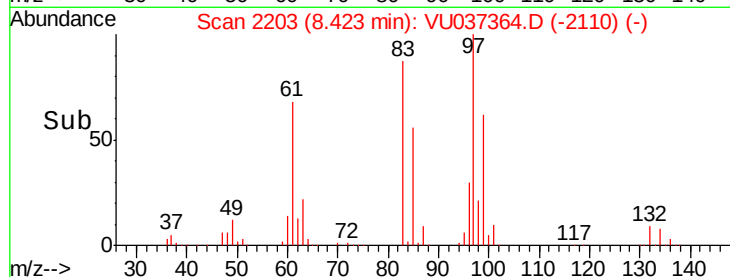
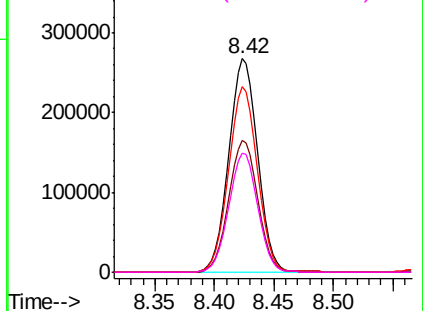
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

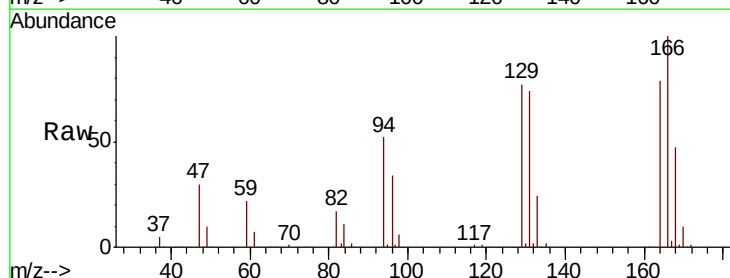
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 206.013 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Tgt Ion:	164	Resp:	369366
Ion	Ratio	Lower	Upper
164	100		
129	97.6	67.1	124.5
131	93.3	65.8	122.2
166	126.5	91.6	170.2



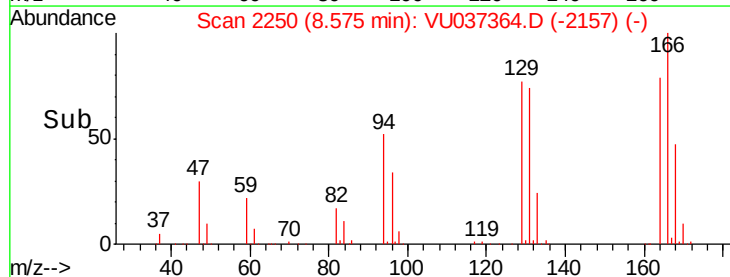
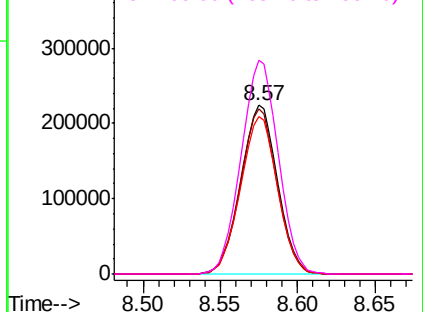
Abundance

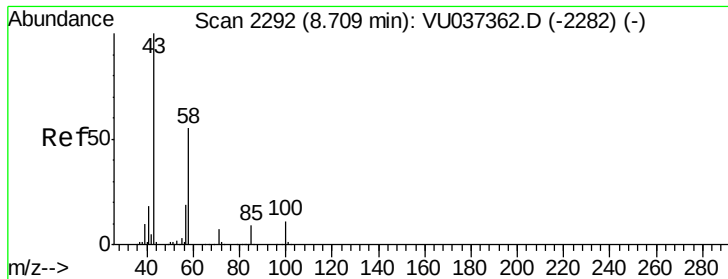
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

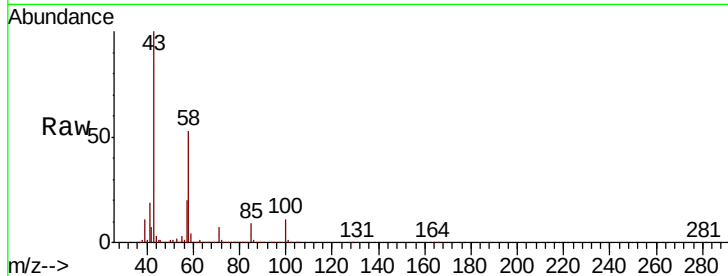




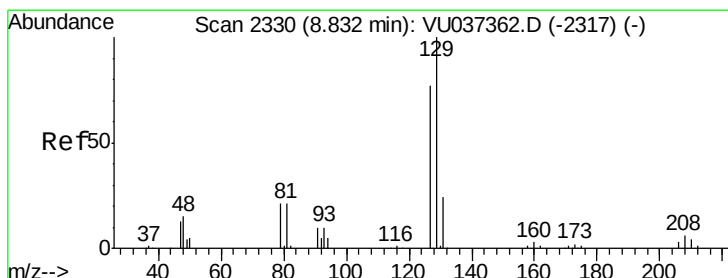
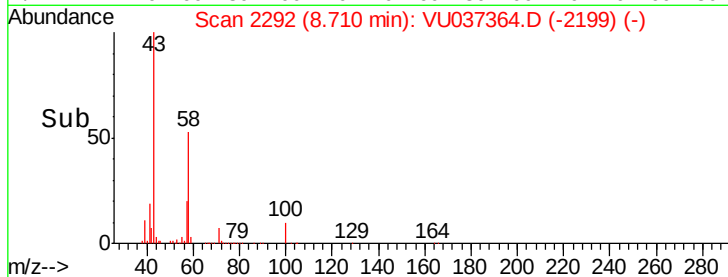
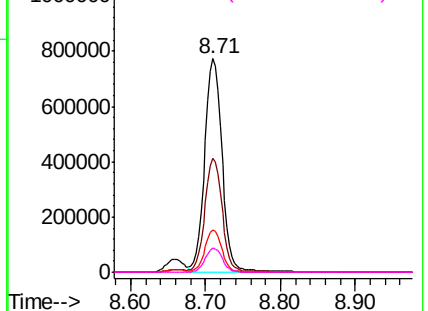
#48
2-Hexanone
Concen: 383.830 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1258199
Ion Ratio Lower Upper
43 100
58 52.4 43.8 65.6
57 19.0 14.9 22.3
100 11.2 9.0 13.6

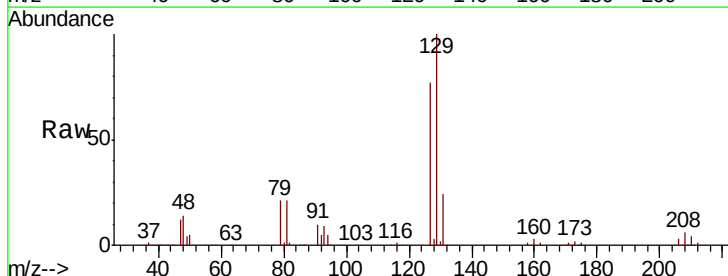


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

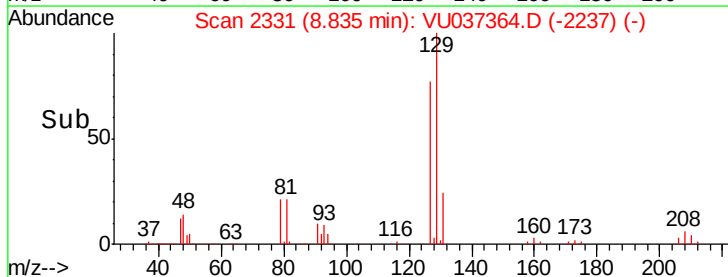
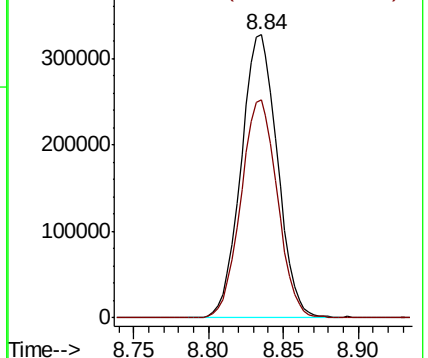


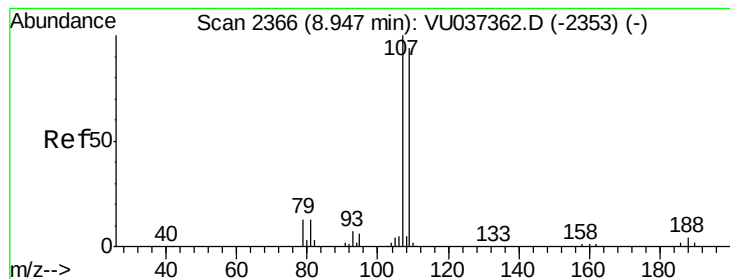
#49
Dibromochloromethane
Concen: 198.210 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Tgt Ion: 129 Resp: 554256
Ion Ratio Lower Upper
129 100
127 76.9 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 195.341 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

ClientSampleId :

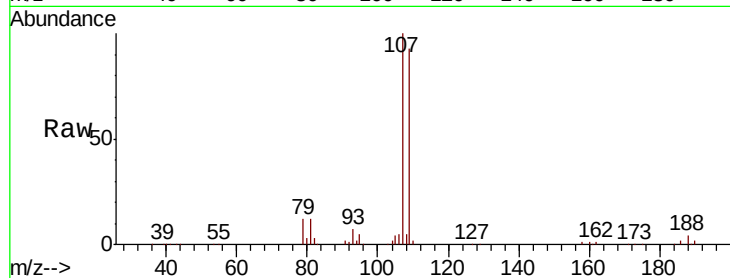
Tot Ion:107 Resp: 501297

Ion Ratio Lower Upper

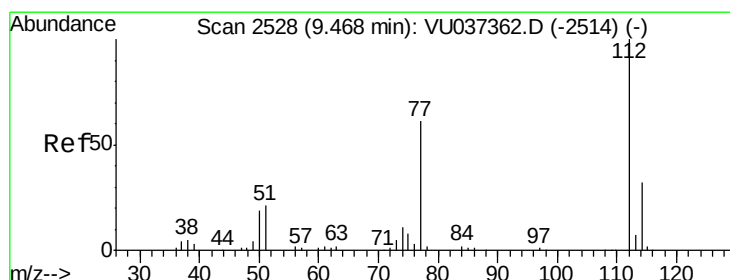
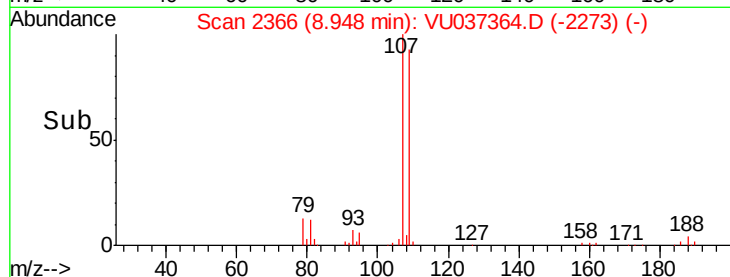
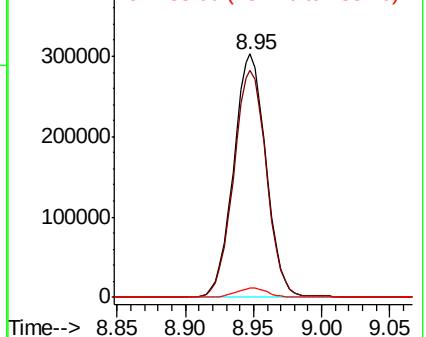
107 100

109 93.4 66.1 122.8

188 3.7 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 196.804 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

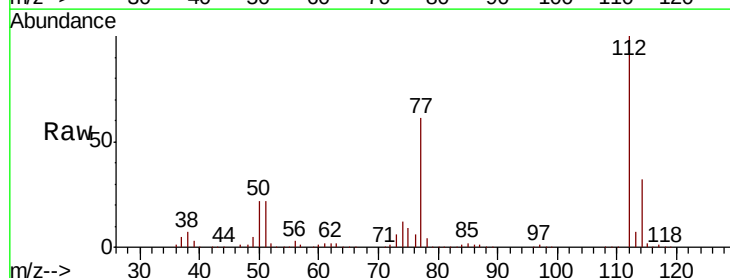
Tgt Ion:112 Resp: 1241205

Ion Ratio Lower Upper

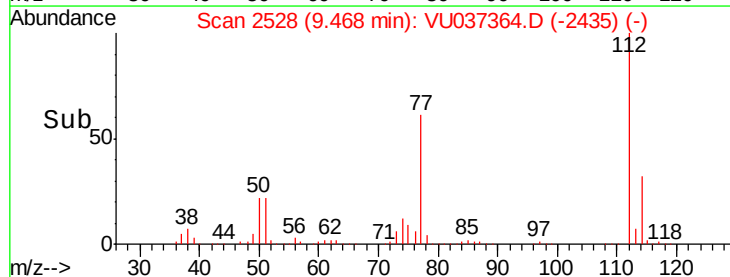
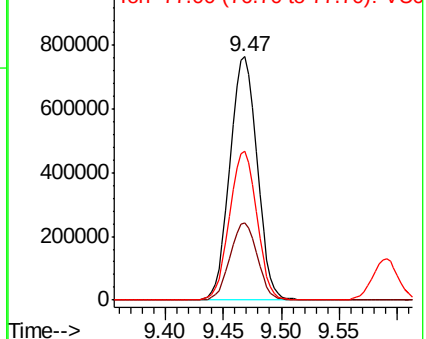
112 100

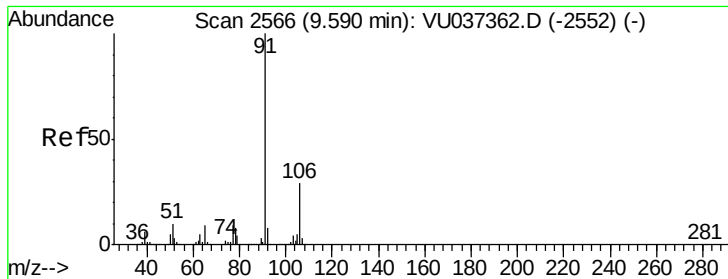
114 31.9 22.1 41.1

77 60.9 49.6 74.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 196.780 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

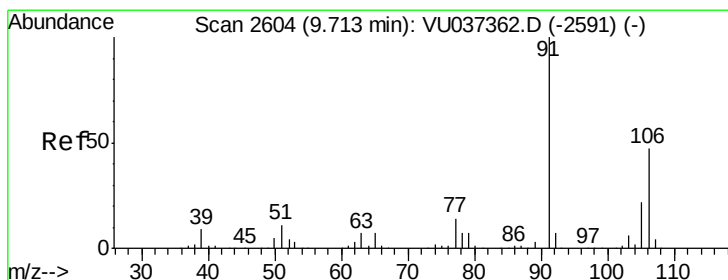
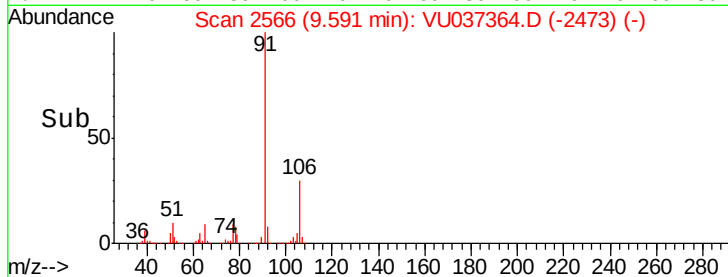
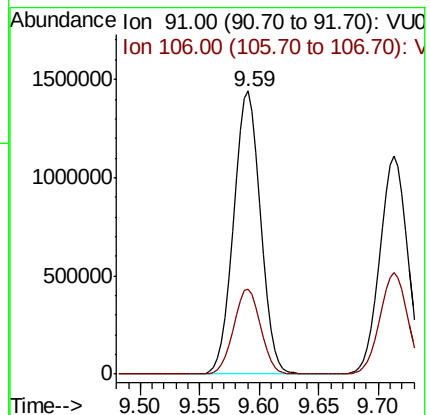
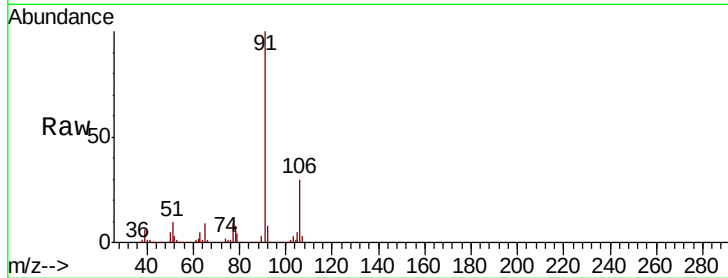
ClientSampleId :

Tot Ion: 91 Resp: 2261145

Ion Ratio Lower Upper

91 100

106 30.1 20.5 38.1



#53

m,p-Xylene

Concen: 204.429 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037364.D

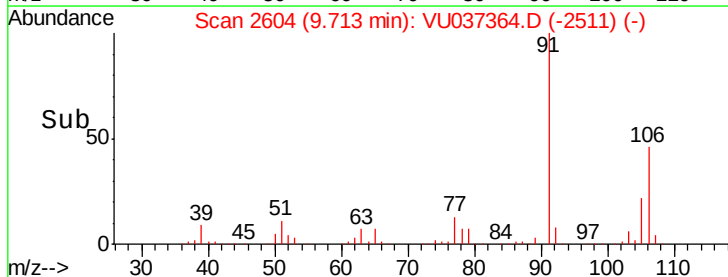
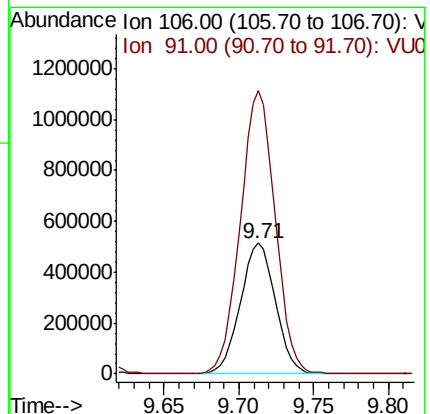
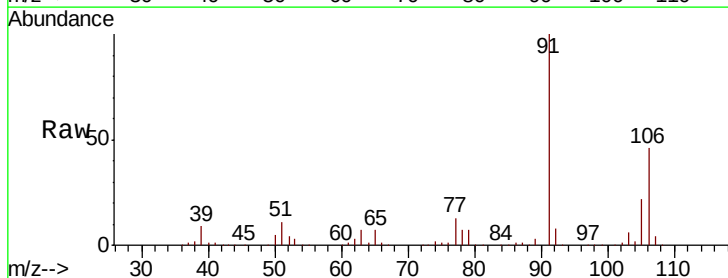
Acq: 21 Mar 2020 19:20

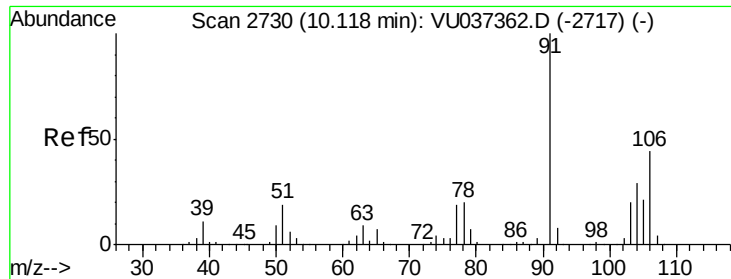
Tgt Ion: 106 Resp: 835017

Ion Ratio Lower Upper

106 100

91 216.0 149.7 277.9

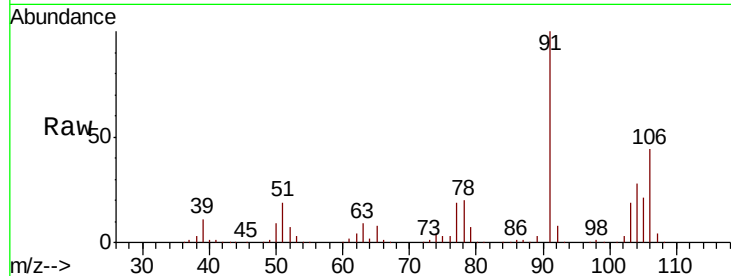




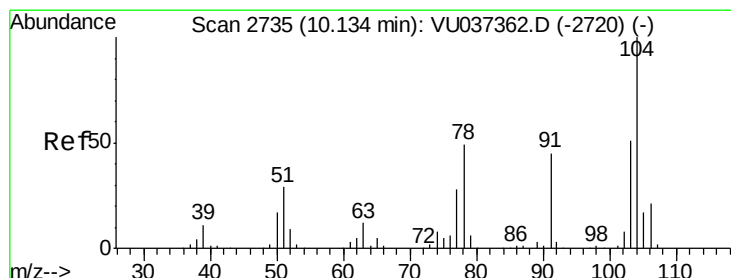
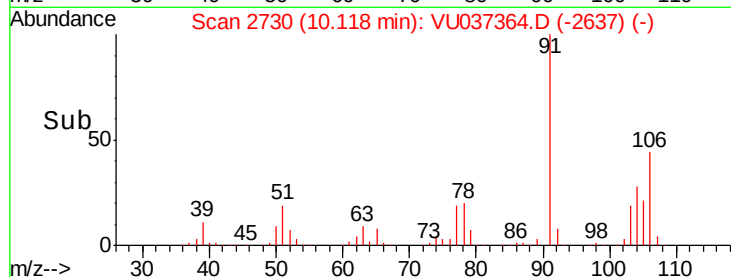
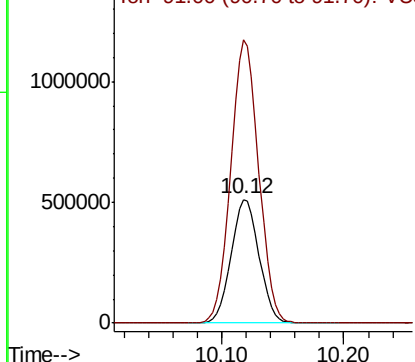
#54
o-xylene
Concen: 202.704 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 820016
Ion Ratio Lower Upper
106 100
91 228.8 157.6 292.8

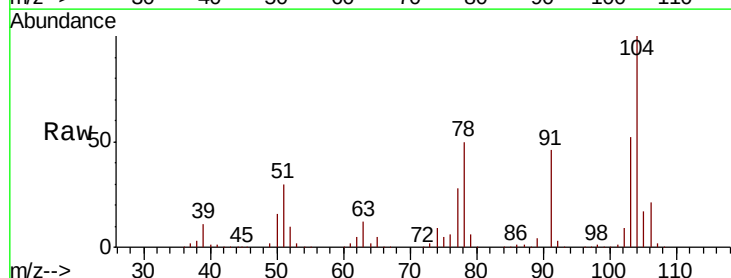


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

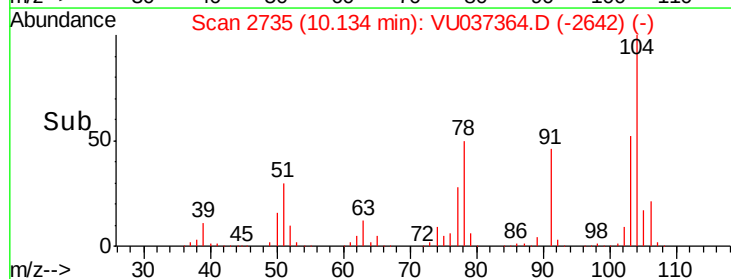
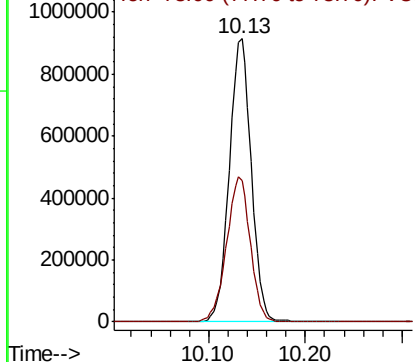


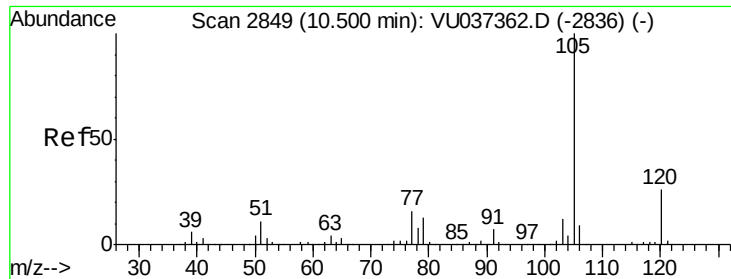
#55
Styrene
Concen: 210.341 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037364.D
Acq: 21 Mar 2020 19:20

Tgt Ion:104 Resp: 1443235
Ion Ratio Lower Upper
104 100
78 50.1 34.2 63.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 204.332 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

ClientSampleId :

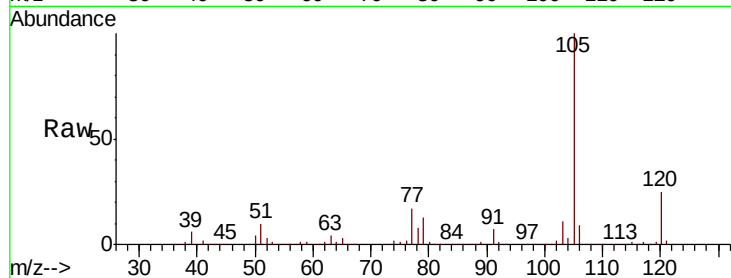
Tot Ion:105 Resp: 2288482

Ion Ratio Lower Upper

105 100

120 25.4 20.8 31.2

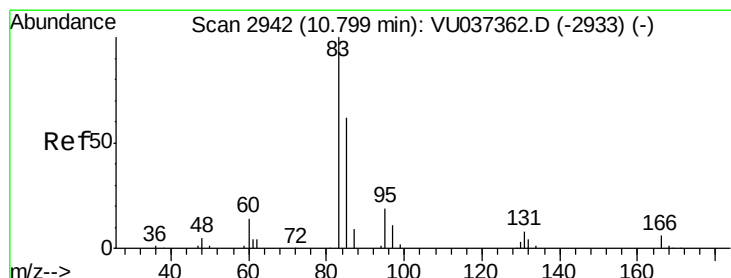
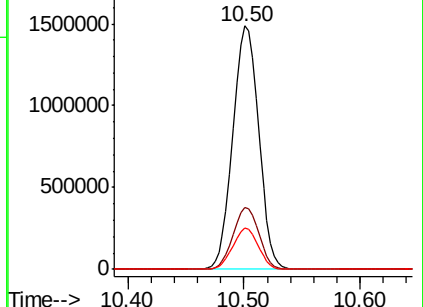
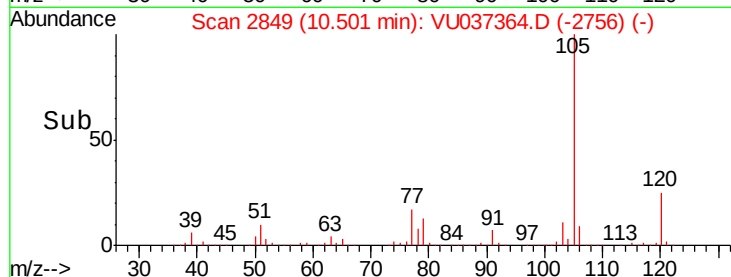
77 16.6 13.2 19.8



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: 192.488 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

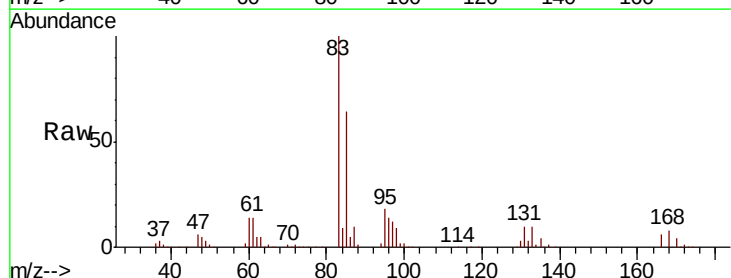
Tgt Ion: 83 Resp: 827897

Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

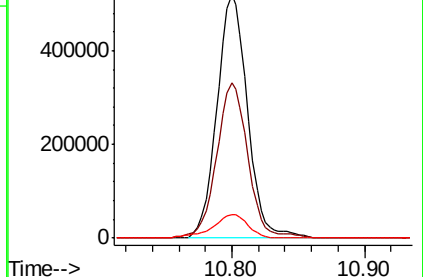
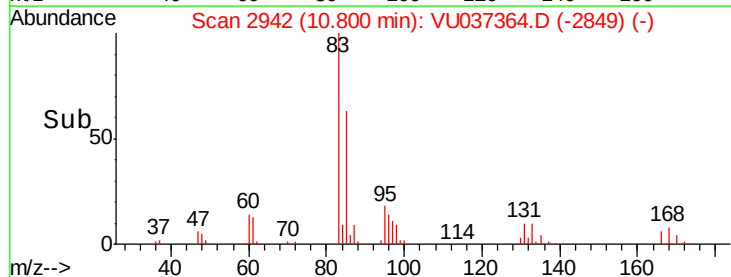
131 9.8 7.8 11.8

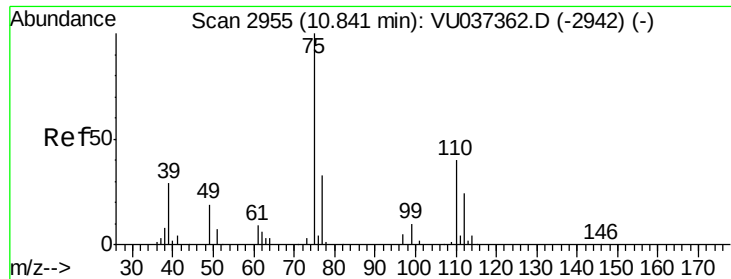


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 189.862 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

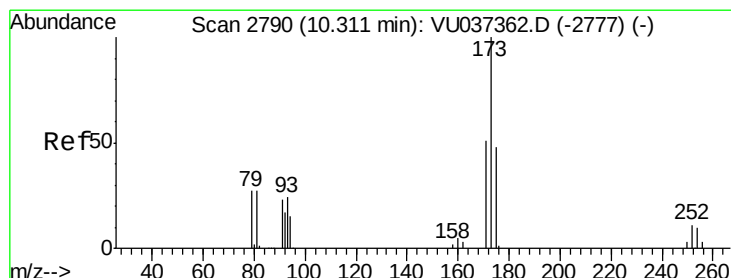
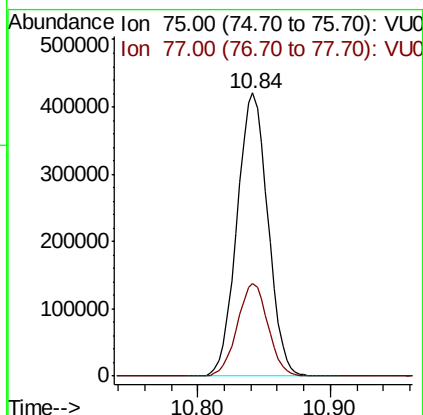
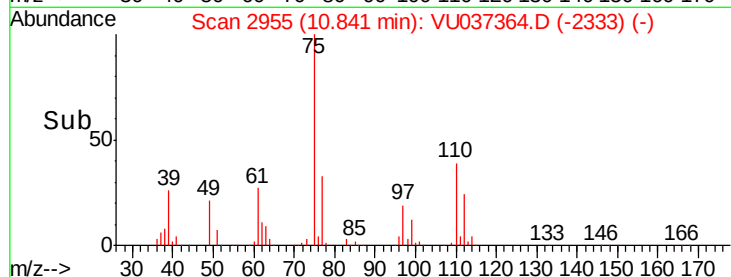
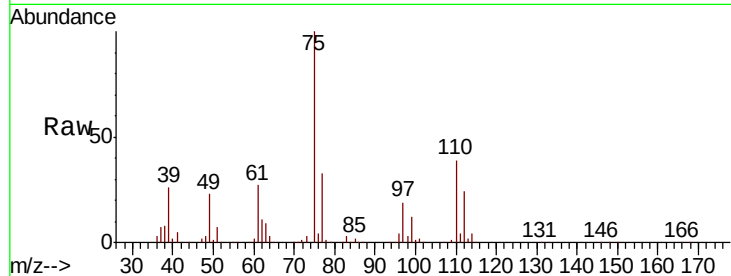
ClientSampled :

Tot Ion: 75 Resp: 679574

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1



#61

Bromoform

Concen: 197.636 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

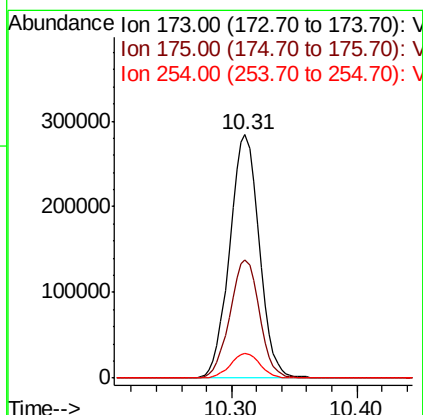
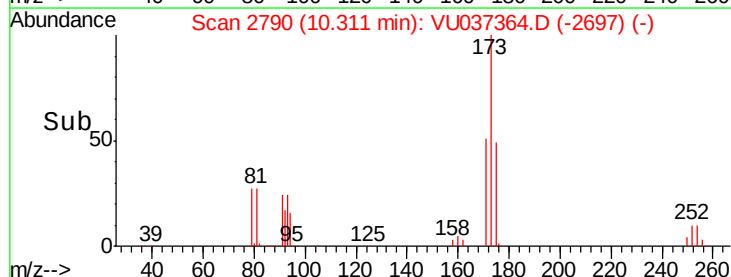
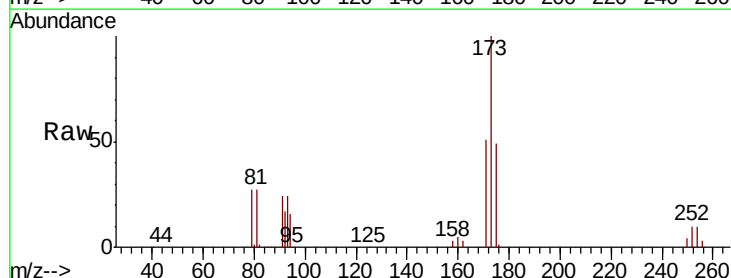
Tgt Ion: 173 Resp: 465449

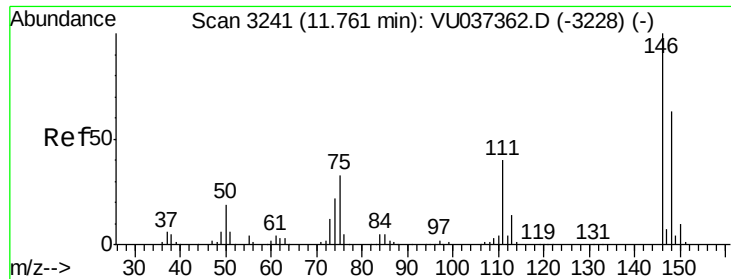
Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 10.2 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 198.113 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

ClientSampled :

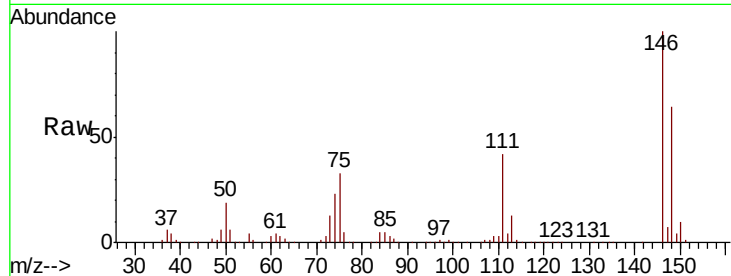
Tot Ion:146 Resp: 1055884

Ion Ratio Lower Upper

146 100

111 42.2 28.3 52.5

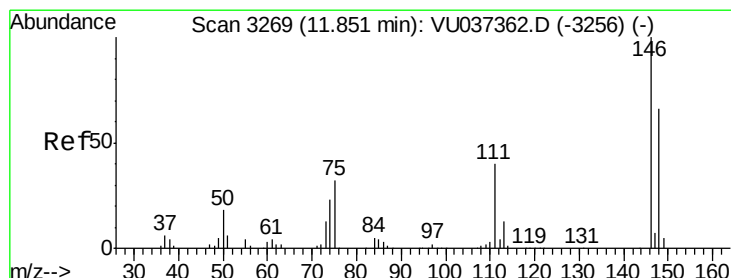
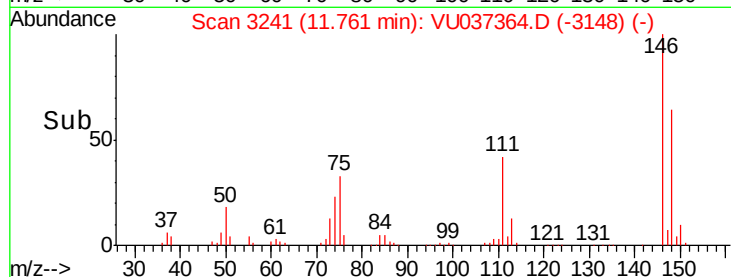
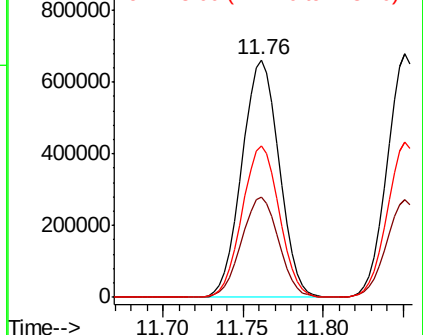
148 63.7 43.8 81.4



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: 196.903 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

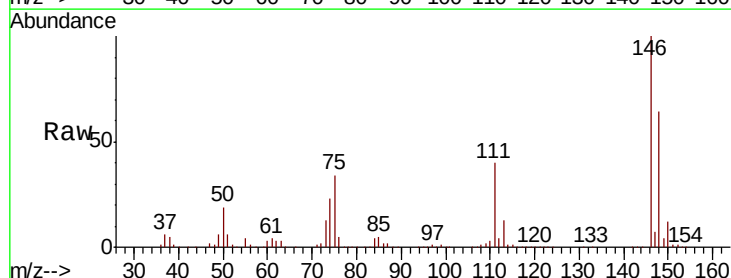
Tgt Ion:146 Resp: 1055892

Ion Ratio Lower Upper

146 100

111 39.9 27.9 51.9

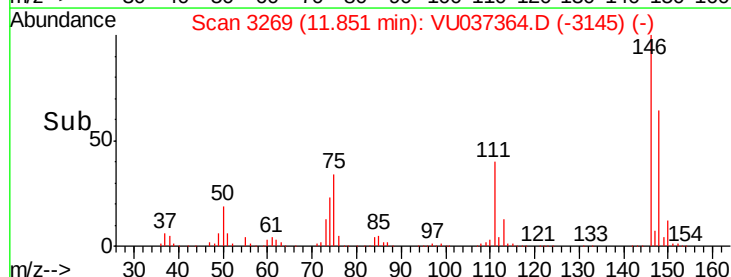
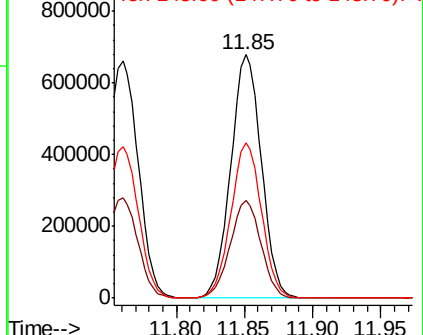
148 64.0 46.2 85.8

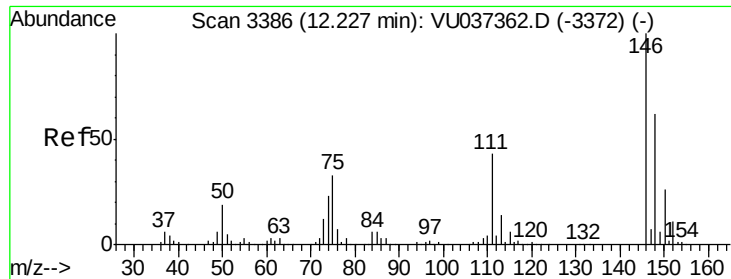


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 191.251 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Instrument :

MSVOA_U

ClientSampled :

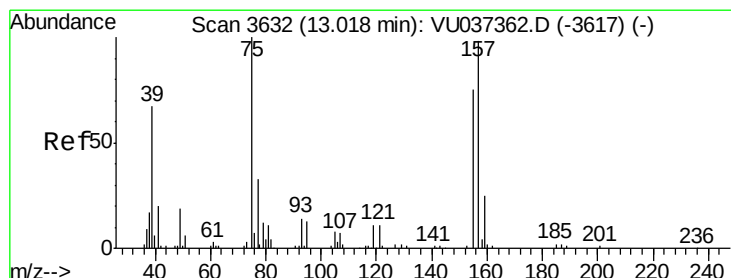
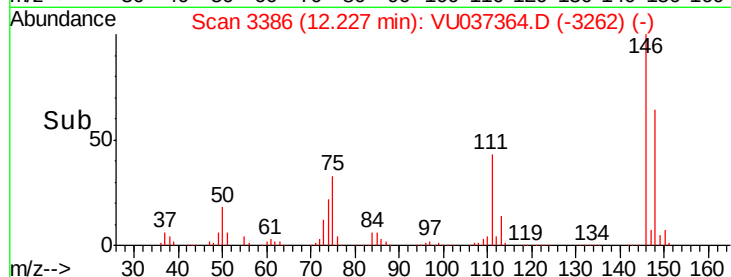
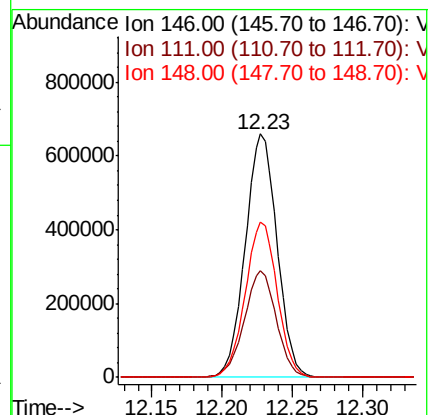
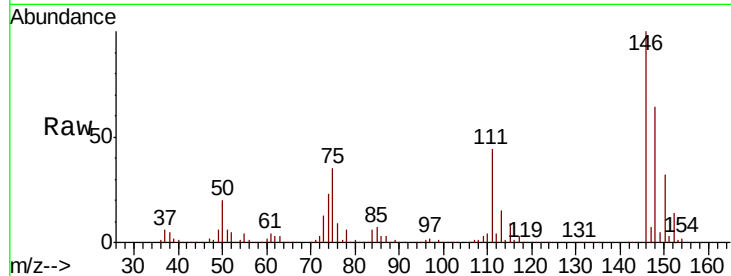
Tot Ion:146 Resp: 1040046

Ion Ratio Lower Upper

146 100

111 43.8 34.7 52.1

148 64.0 49.9 74.9



#66

1,2-Dibromo-3-chloropropane

Concen: 194.804 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

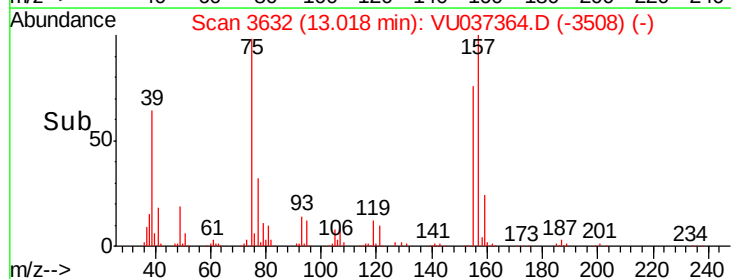
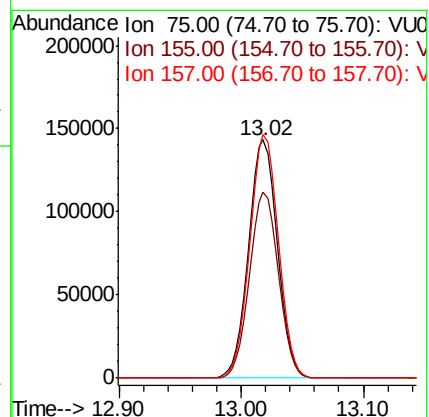
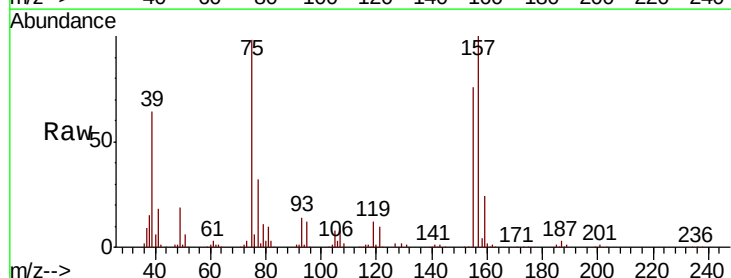
Tgt Ion: 75 Resp: 232090

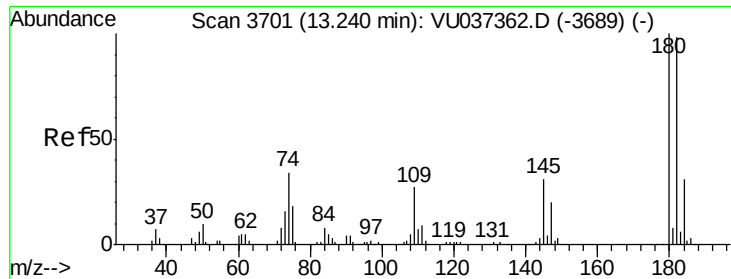
Ion Ratio Lower Upper

75 100

155 78.2 59.7 89.5

157 102.3 78.8 118.2

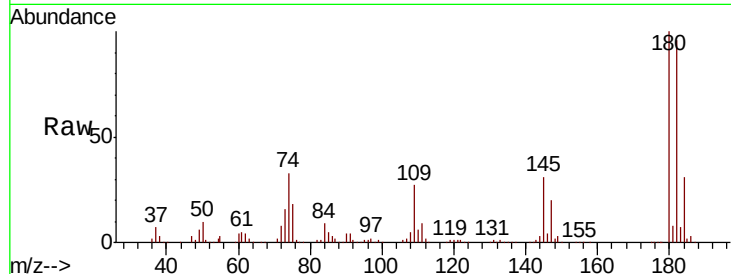




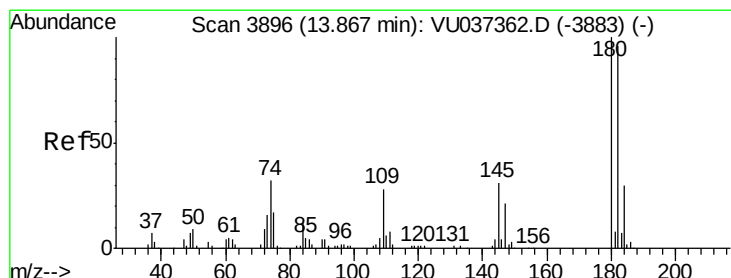
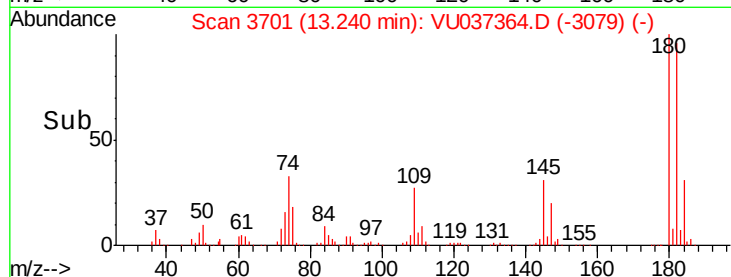
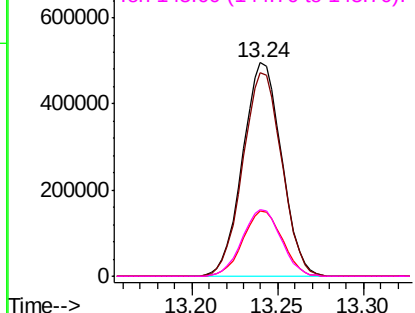
#67
 1,3,5-Trichlorobenzene
 Concen: 202.120 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037364.D
 Acq: 21 Mar 2020 19:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 777870
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.8 116.6
 184 30.8 24.7 37.1
 145 31.2 24.2 36.4

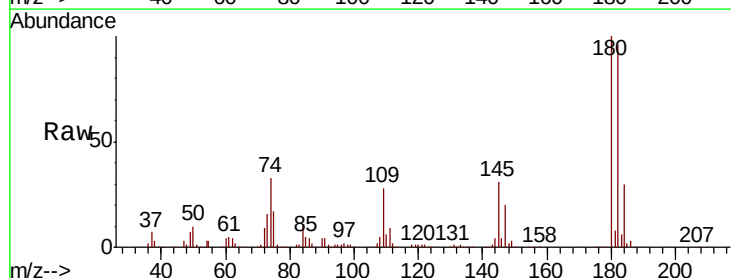


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

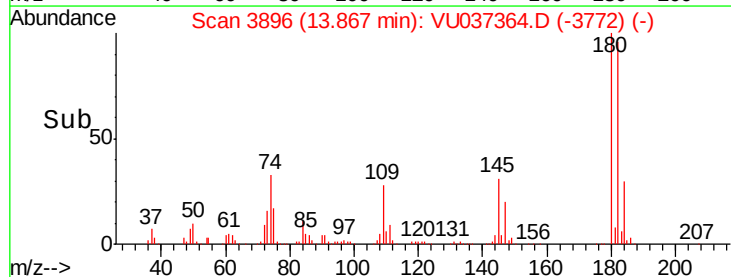
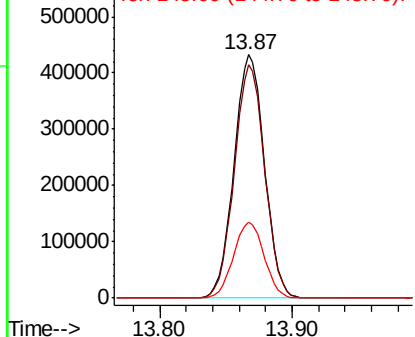


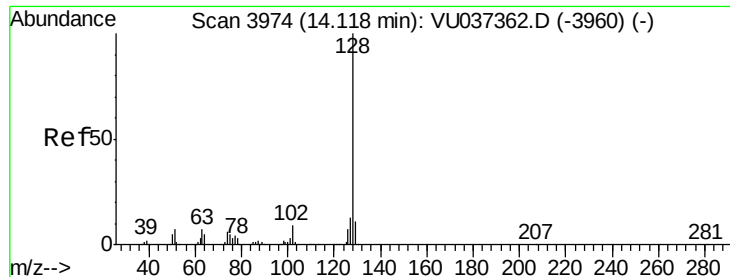
#68
 1,2,4-trichlorobenzene
 Concen: 229.785 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037364.D
 Acq: 21 Mar 2020 19:20

Tgt Ion:180 Resp: 687895
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.4
 145 31.3 24.6 36.8



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





#69

Naphthalene

Concen: 410.220 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

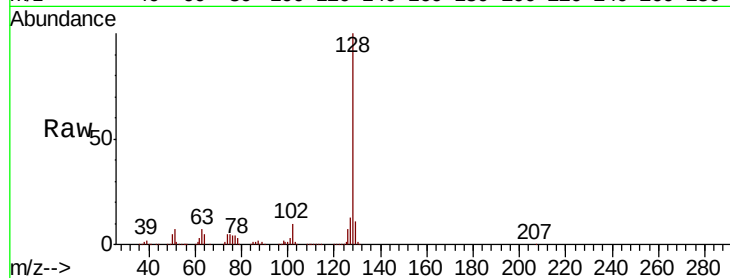
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 2179613

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.8	13.2

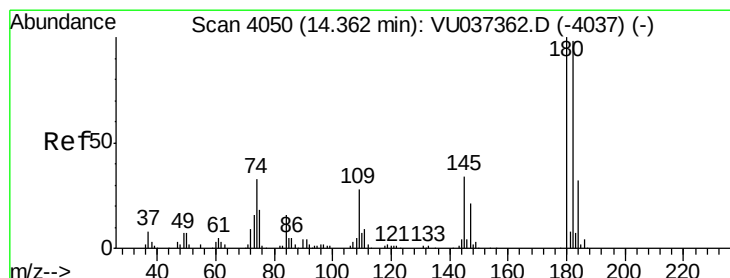
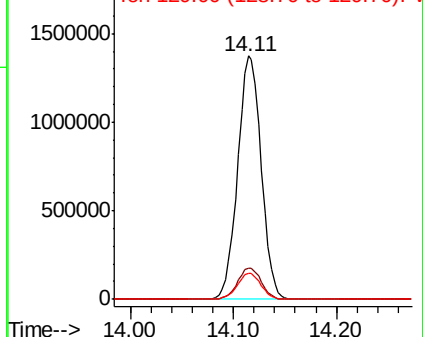
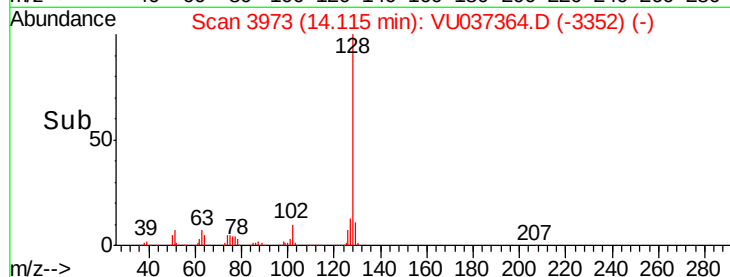


Abundance

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: 216.593 ug/L

RT: 14.36 min Scan# 4050

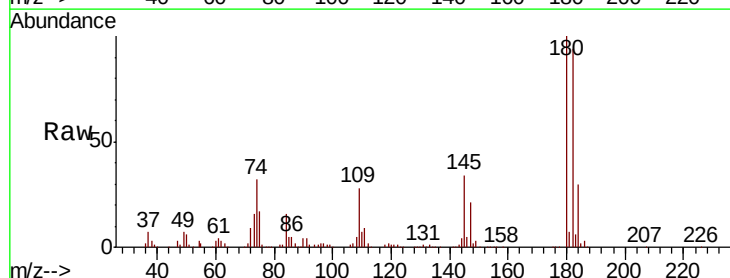
Delta R.T. 0.00 min

Lab File: VU037364.D

Acq: 21 Mar 2020 19:20

Tgt Ion:180 Resp: 684284

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.3	114.5
145	33.7	26.9	40.3



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

