

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037618.D
 Acq On : 09 Apr 2020 15:21
 Operator : JC/MD
 Sample : L2189-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 03:13:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 03:10:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	1460	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	1071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	1326	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	560	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.91	69	96	9.31	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	18.62%#
11) 1,1-Dichloroethene-d2	2.60	63	569	27.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.72%#
21) 2-Butanone-d5	4.69	46	511	49.41	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	49.41%
24) Chloroform-d	5.10	84	52	2.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	5.42%#
26) 1,2-Dichloroethane-d4	5.74	65	1265	97.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	194.16%#
32) Benzene-d6	5.76	84	427	13.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	27.10%#
36) 1,2-Dichloropropane-d6	6.74	67	77	7.34	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	14.68%#
41) Toluene-d8	7.92	98	1615	55.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.56%
43) trans-1,3-Dichloropropene-	8.20	79	136	23.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.98%#
47) 2-Hexanone-d5	8.72	63	64	10.66	ug/L	0.07
Spiked Amount	100.000	Range	45 - 130	Recovery	=	10.66%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	436	29.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	58.86%#
64) 1,2-Dichlorobenzene-d4	12.21	152	877	31.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.56%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	347	30.340	ug/L # 43
3) Chloromethane	1.53	50	419	31.325	ug/L 100
5) Vinyl chloride	1.62	62	2228	159.170	ug/L # 1
6) Bromomethane	1.86	94	195	26.469	ug/L 95
8) Chloroethane	1.95	64	2581	310.598	ug/L 84
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	87	9.453	ug/L # 1
12) 1,1-Dichloroethene	2.61	96	819	87.750	ug/L # 70
13) Acetone	2.66	43	511	83.670	ug/L 91
14) Carbon disulfide	2.82	76	2371	74.157	ug/L # 83
15) Methyl Acetate	2.98	43	59	4.062	ug/L # 53
16) Methylene chloride	3.07	84	182	17.069	ug/L # 55
17) trans-1,2-Dichloroethene	3.39	96	120	11.985	ug/L # 64
19) 1,1-Dichloroethane	3.92	63	8788	447.686	ug/L 94
20) cis-1,2-Dichloroethene	4.70	96	98	8.902	ug/L # 36
22) 2-Butanone	4.74	43	20	1.871	ug/L # 49
25) Chloroform	5.12	83	84	4.548	ug/L # 18
29) Cyclohexane	5.42	56	460	31.233	ug/L # 75

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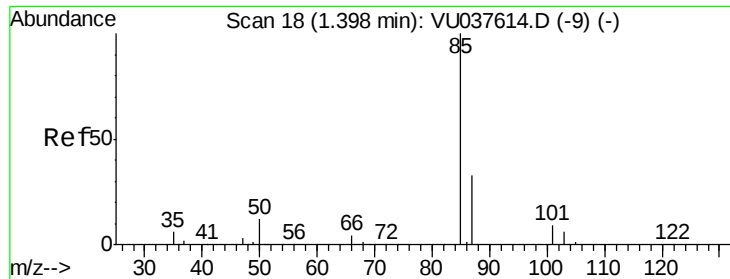
Instrument :
 MSVOA_U
 ClientSampleId :

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

30) 1,1,1-Trichloroethane	5.35	97	6763	557.109	ug/L	92
31) Carbon tetrachloride	5.36	117	770	78.136	ug/L	88
33) Benzene	5.81	78	251	7.701	ug/L	100
34) Trichloroethene	6.58	95	233	29.040	ug/L #	64
35) Methylcyclohexane	6.79	83	558	39.196	ug/L #	46
38) Bromodichloromethane	7.14	83	157	14.241	ug/L #	25
39) cis-1,3-Dichloropropene	7.64	75	210	14.326	ug/L #	1
40) 4-Methyl-2-pentanone	7.83	43	963	60.546	ug/L #	70
42) Toluene	7.99	91	392	11.322	ug/L	91
44) trans-1,3-Dichloropropene	8.24	75	410	28.855	ug/L #	1
45) 1,1,2-Trichloroethane	8.45	97	117	14.642	ug/L #	15
46) Tetrachloroethene	8.57	164	98	16.416	ug/L #	81
48) 2-Hexanone	8.72	43	2198	175.013	ug/L #	85
49) Dibromochloromethane	8.57	129	257	29.992	ug/L #	10
51) Chlorobenzene	9.47	112	1072	49.579	ug/L	89
52) Ethylbenzene	9.59	91	929	23.932	ug/L	92
53) m,p-Xylene	9.71	106	393	26.663	ug/L	74
54) o-xylene	10.12	106	114	7.798	ug/L	65
55) Styrene	10.13	104	673	26.552	ug/L	97
56) Isopropylbenzene	10.49	105	715	18.785	ug/L #	83
58) 1,1,2,2-Tetrachloroethane	10.80	83	166	11.634	ug/L #	61
59) 1,2,3-Trichloropropane	10.84	75	207	17.014	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	950	22.258	ug/L	90
63) 1,4-Dichlorobenzene	11.84	146	1196	27.929	ug/L	90
65) 1,2-Dichlorobenzene	12.22	146	451	10.722	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.87	180	1238	39.669	ug/L	90
68) 1,2,4-trichlorobenzene	13.87	180	1238	41.129	ug/L	89
69) Naphthalene	14.11	128	7187	64.711	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	1141	38.045	ug/L #	89

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



#2

Dichlorodifluoromethane

Concen: 30.340 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

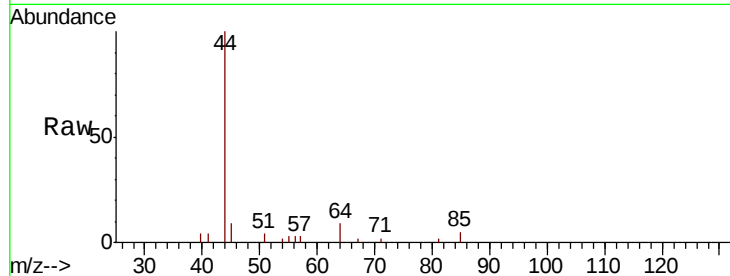
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 347

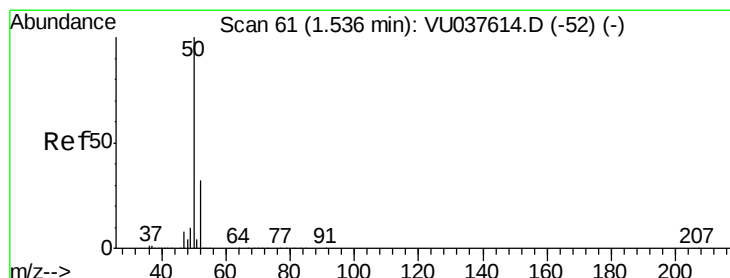
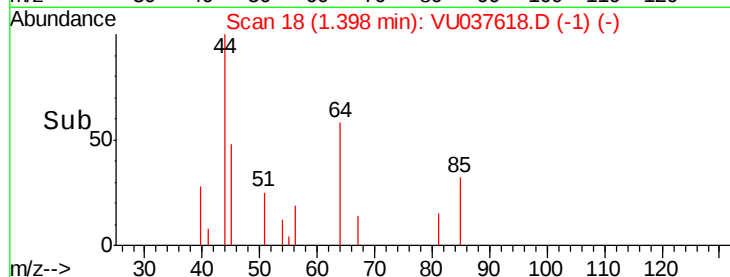
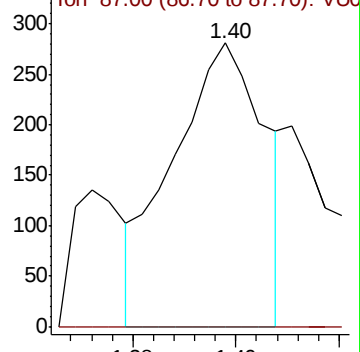
Ion Ratio Lower Upper

85 100

87 0.0 25.4 38.2#



Abundance Ion 85.00 (84.70 to 85.70): VU037618.D (-9) (-)



#3

Chloromethane

Concen: 31.325 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037618.D

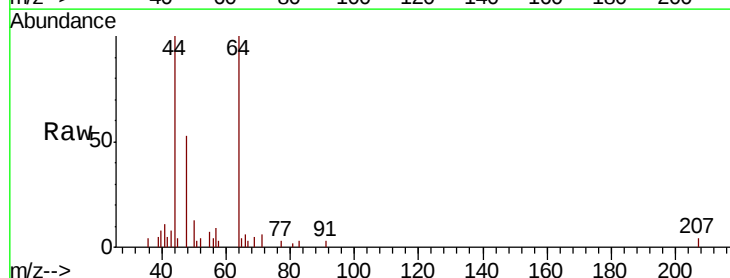
Acq: 09 Apr 2020 15:21

Tgt Ion: 50 Resp: 419

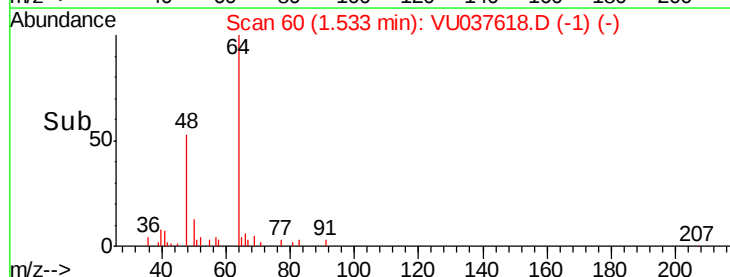
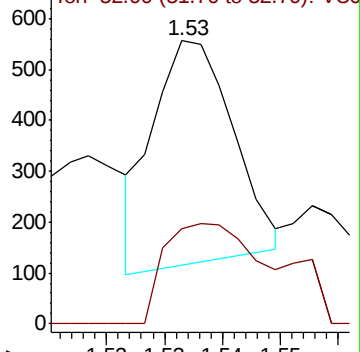
Ion Ratio Lower Upper

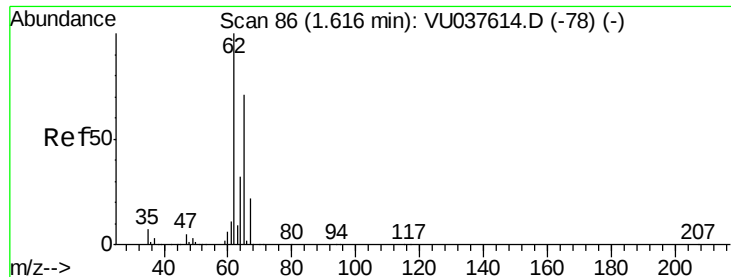
50 100

52 33.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037618.D (-52) (-)





#5

Vinyl chloride

Concen: 159.170 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

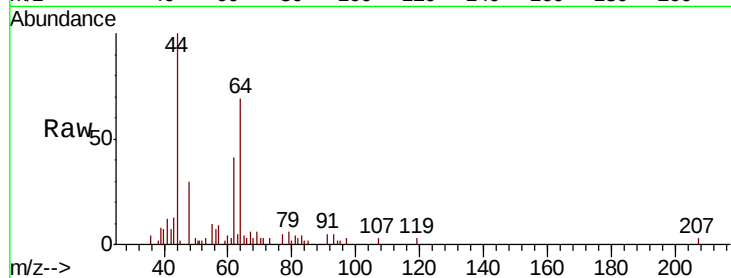
ClientSampleId :

Tot Ion: 62 Resp: 2228

Ion Ratio Lower Upper

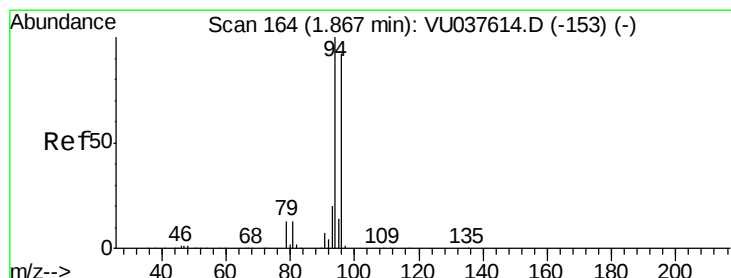
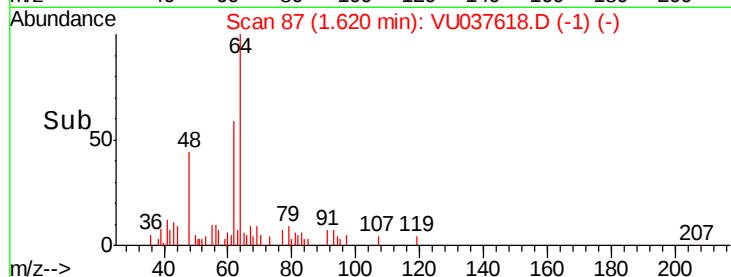
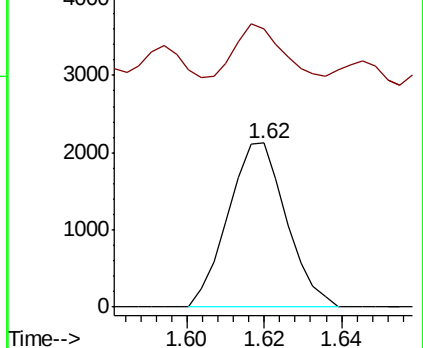
62 100

64 169.5 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU037618.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037618.D (-78) (-)



#6

Bromomethane

Concen: 26.469 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU037618.D

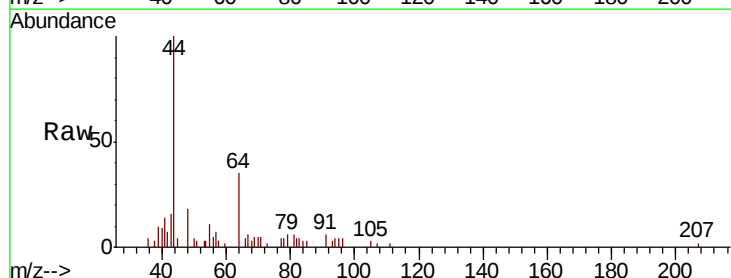
Acq: 09 Apr 2020 15:21

Tgt Ion: 94 Resp: 195

Ion Ratio Lower Upper

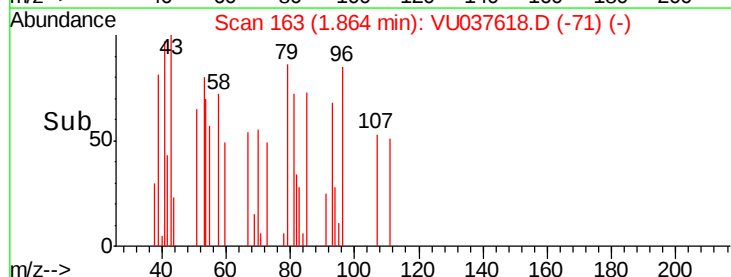
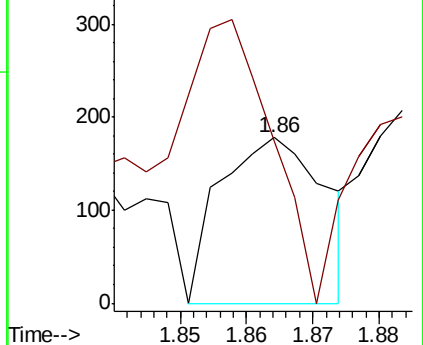
94 100

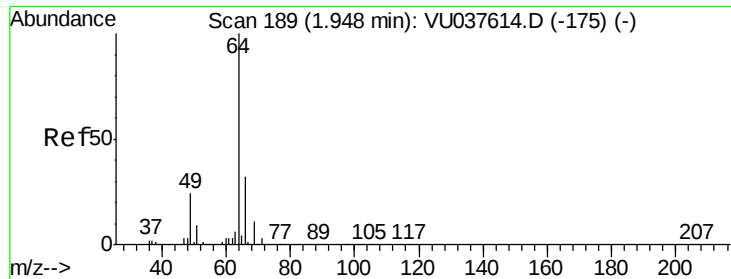
96 97.8 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU037618.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU037618.D (-153) (-)

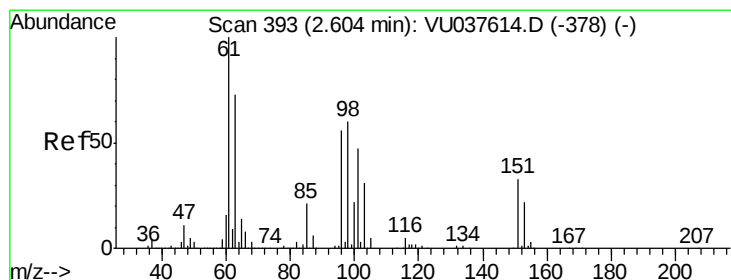
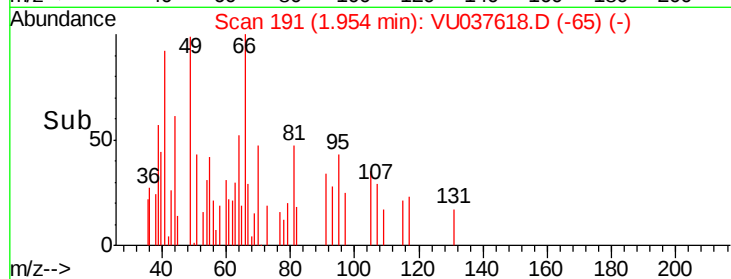
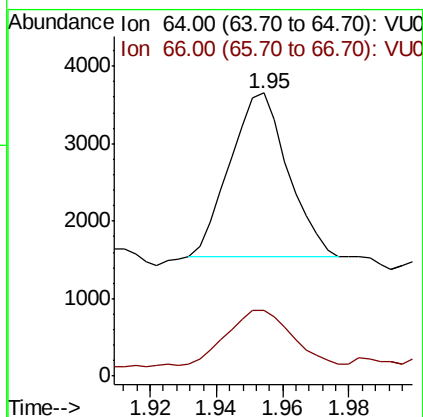
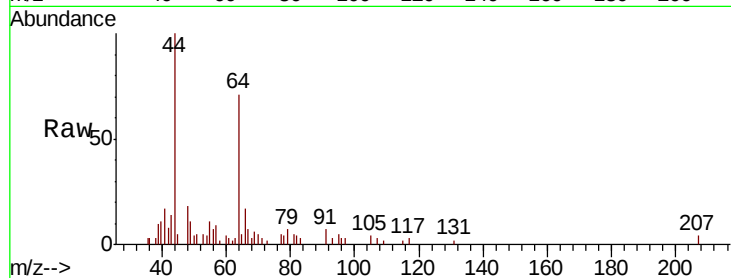




#8
Chloroethane
Concen: 310.598 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.01 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

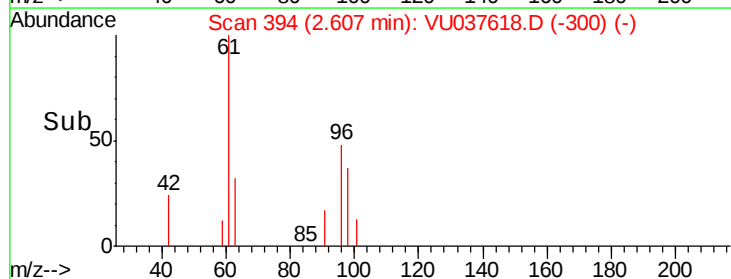
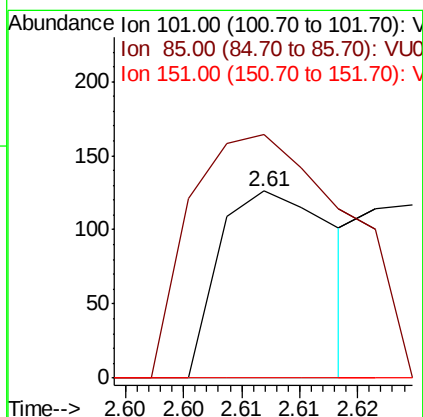
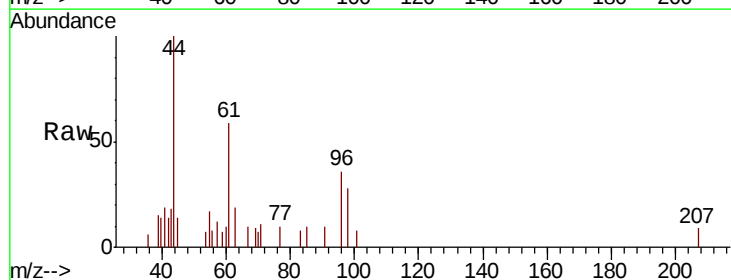
Instrument :
MSVOA_U
ClientSampled :

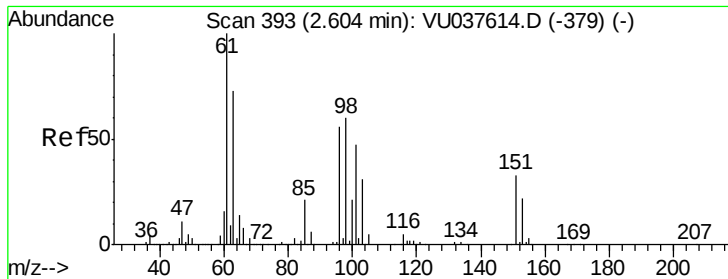
Tot Ion: 64 Resp: 2581
Ion Ratio Lower Upper
64 100
66 23.2 22.6 42.0



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.453 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

Tgt Ion:101 Resp: 87
Ion Ratio Lower Upper
101 100
85 177.0 34.5 51.7#
151 0.0 56.8 85.2#





#12

1,1-Dichloroethene

Concen: 87.750 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :
MSVOA_U
ClientSampled :

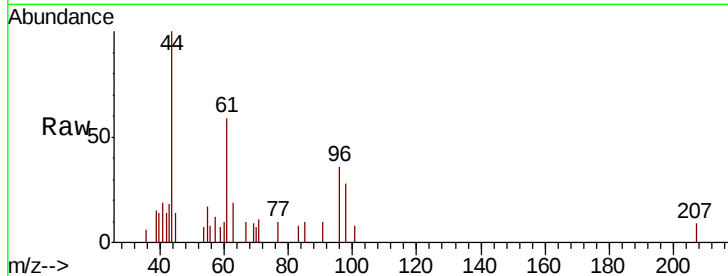
Tot Ion: 96 Resp: 819

Ion Ratio Lower Upper

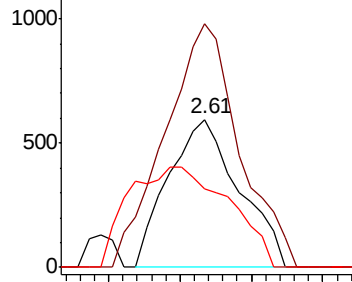
96 100

61 164.5 123.6 229.6

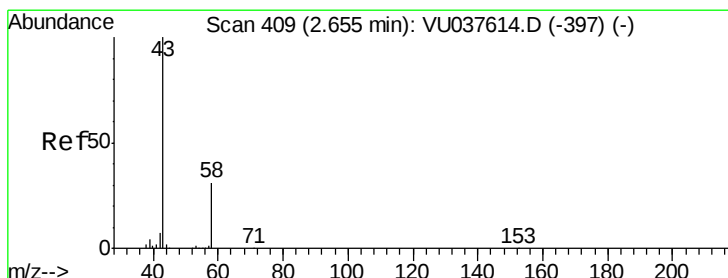
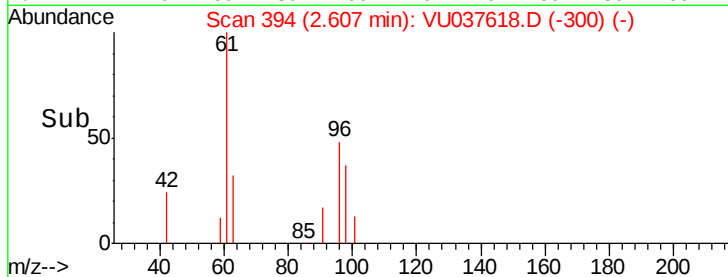
63 53.4 85.7 159.1#



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



Time-->



#13

Acetone

Concen: 83.670 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU037618.D

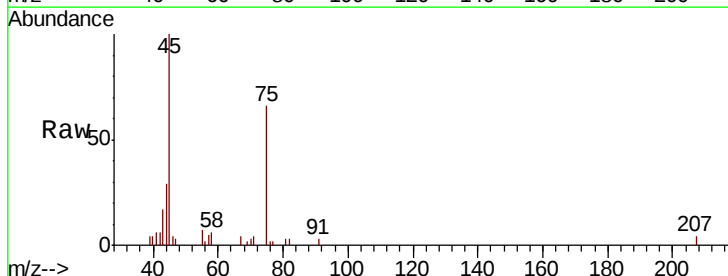
Acq: 09 Apr 2020 15:21

Tgt Ion: 43 Resp: 511

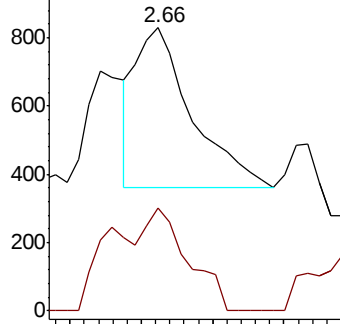
Ion Ratio Lower Upper

43 100

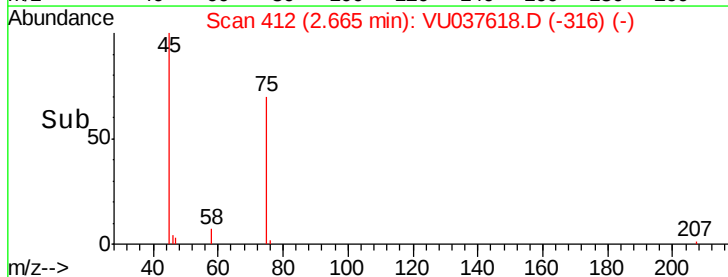
58 26.8 0.0 63.2

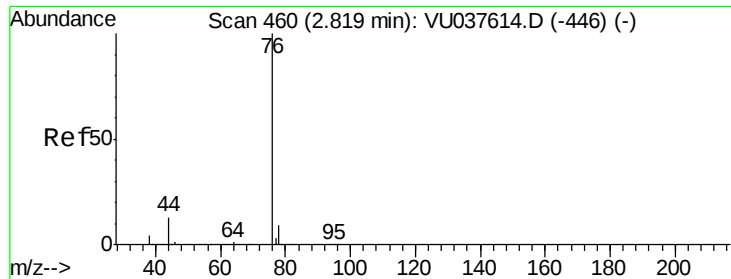


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



Time-->





#14

Carbon disulfide

Concen: 74.157 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

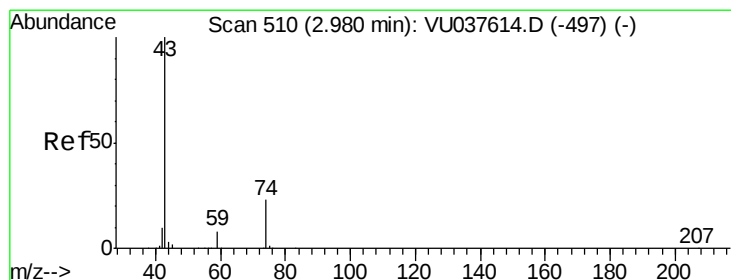
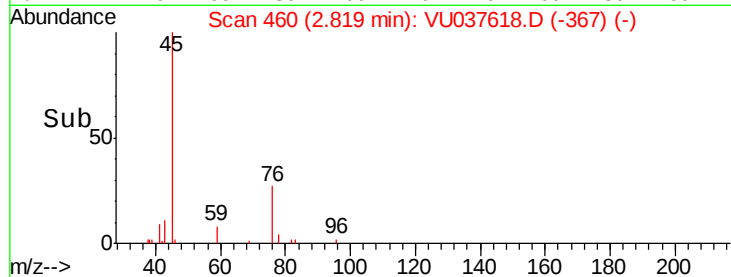
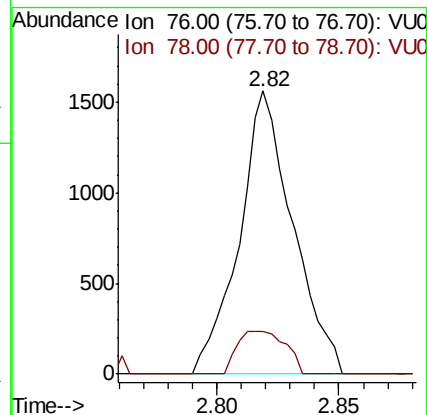
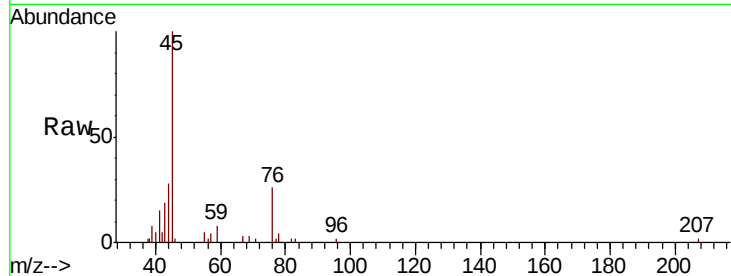
ClientSampleId :

Tot Ion: 76 Resp: 2371

Ion Ratio Lower Upper

76 100

78 14.9 7.0 10.6#



#15

Methyl Acetate

Concen: 4.062 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU037618.D

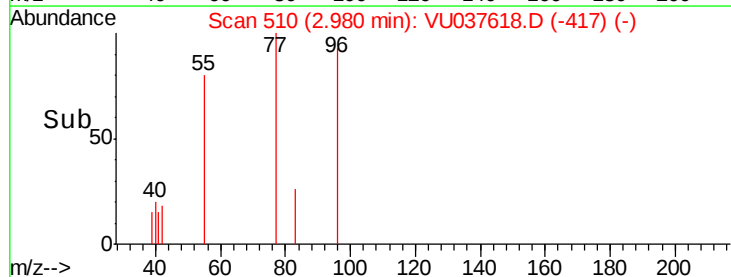
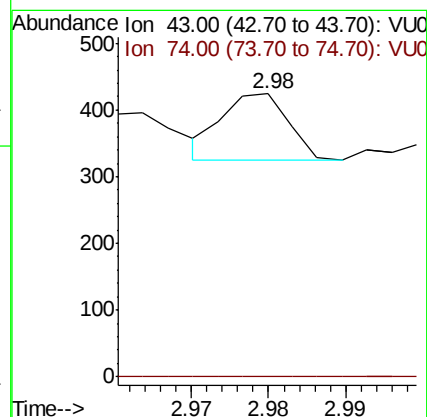
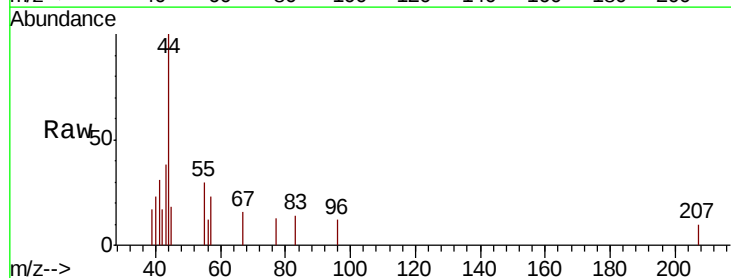
Acq: 09 Apr 2020 15:21

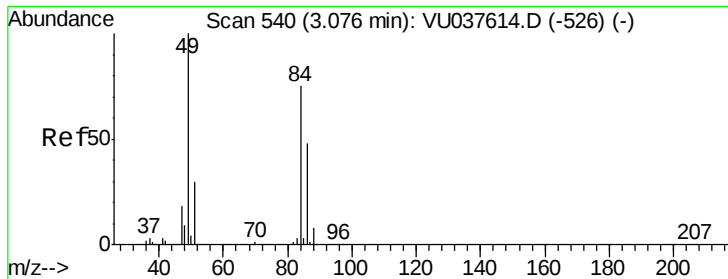
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

74 0.0 17.9 26.9#

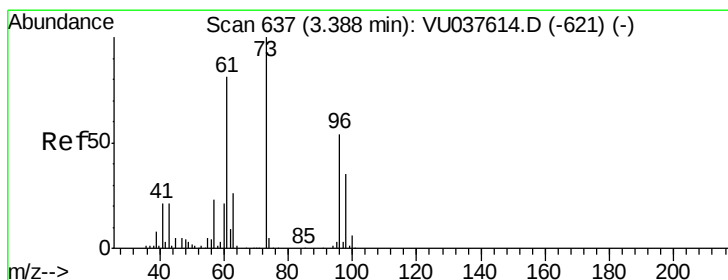
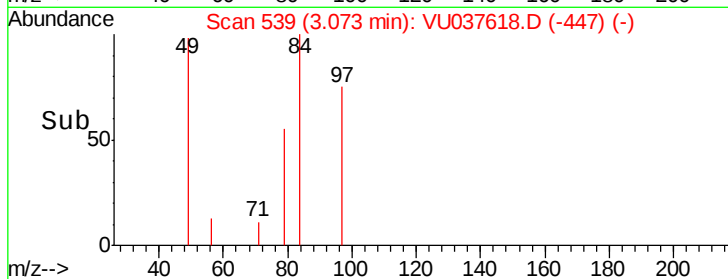
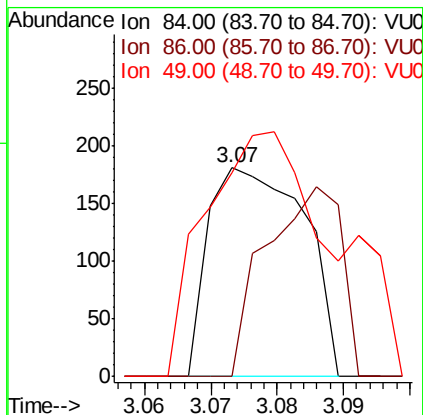
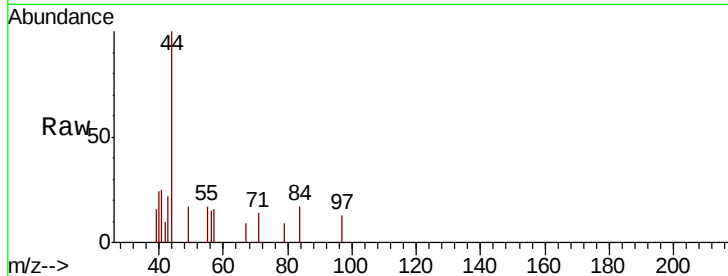




#16
Methylene chloride
Concen: 17.069 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

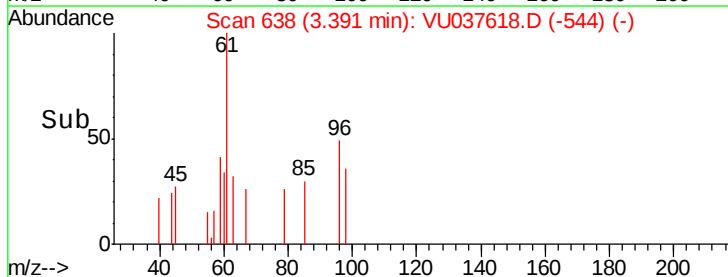
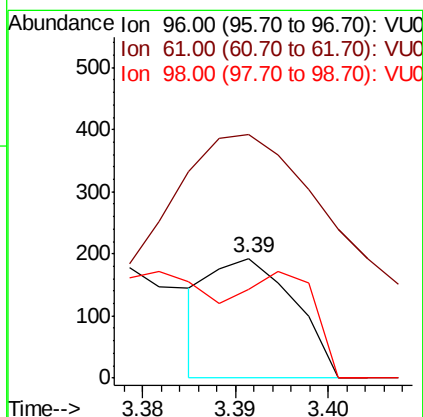
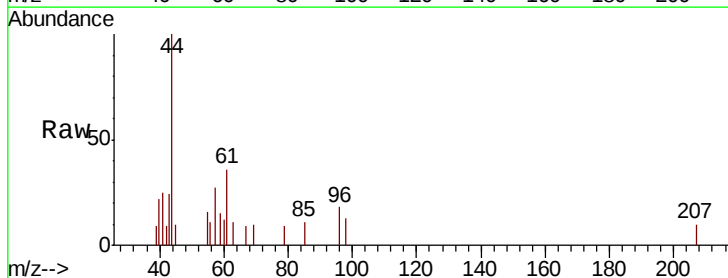
Instrument :
MSVOA_U
ClientSampled :

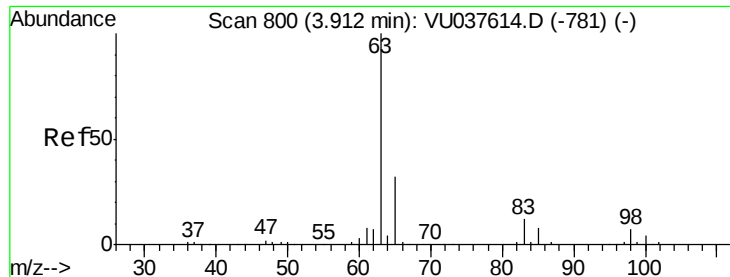
Tot Ion: 84 Resp: 182
Ion Ratio Lower Upper
84 100
86 0.0 44.1 81.9#
49 97.8 90.3 167.7



#17
trans-1,2-Dichloroethene
Concen: 11.985 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

Tgt Ion: 96 Resp: 120
Ion Ratio Lower Upper
96 100
61 203.1 103.2 191.6#
98 74.1 43.1 80.1

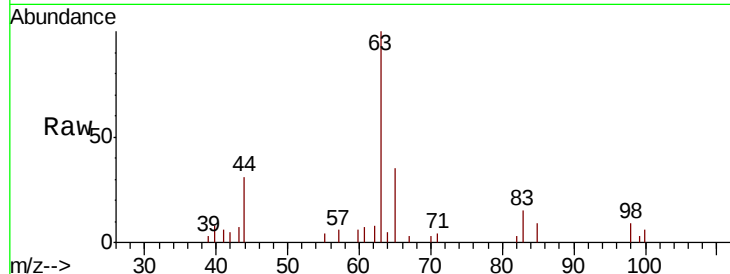




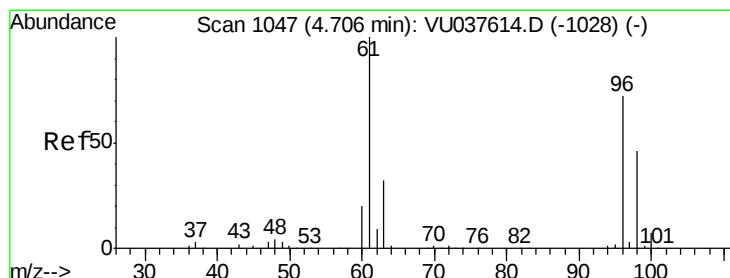
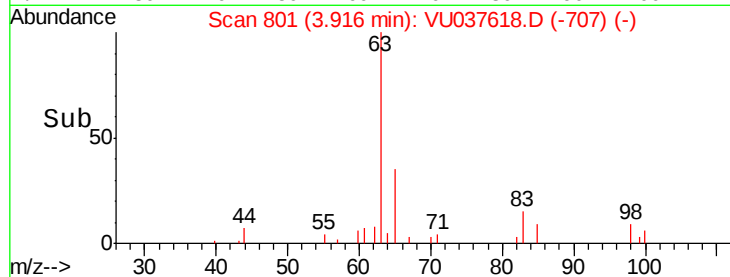
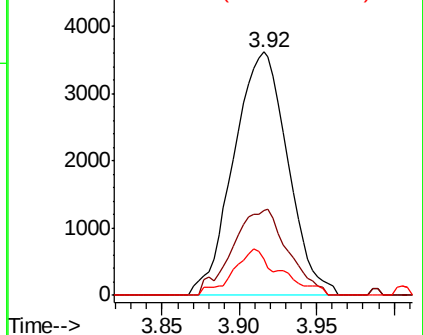
#19
 1,1-Dichloroethane
 Concen: 447.686 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU037618.D
 Acq: 09 Apr 2020 15:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 8788
 Ion Ratio Lower Upper
 63 100
 65 34.6 21.9 40.7
 83 14.7 9.0 16.6

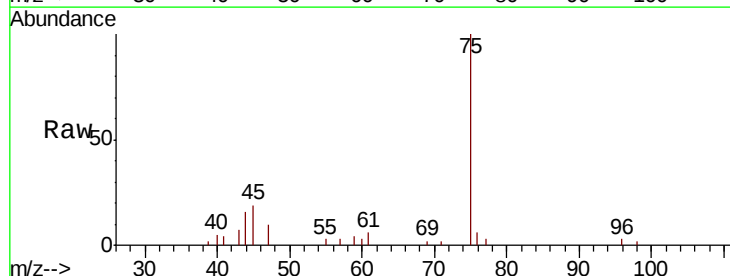


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

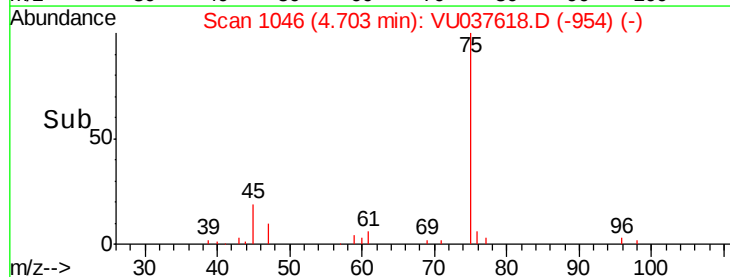
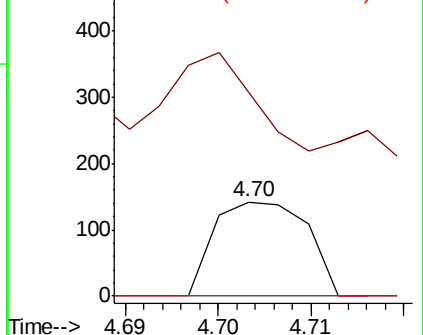


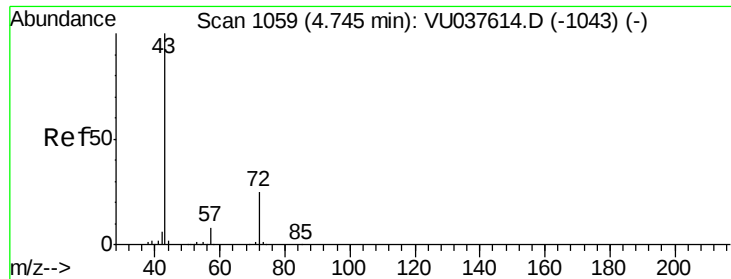
#20
 cis-1,2-Dichloroethene
 Concen: 8.902 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037618.D
 Acq: 09 Apr 2020 15:21

Tgt Ion: 96 Resp: 98
 Ion Ratio Lower Upper
 96 100
 61 216.9 97.5 181.1#
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 1.871 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

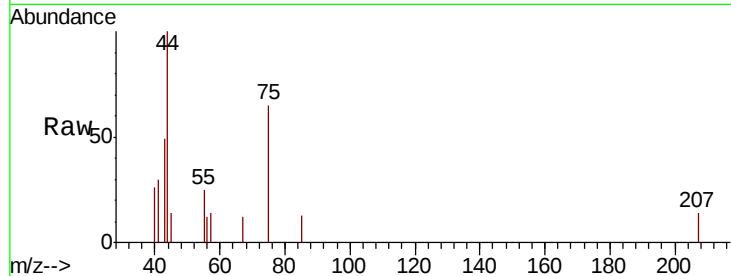
ClientSampleId :

Tot Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

72 0.0 12.8 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.74

400

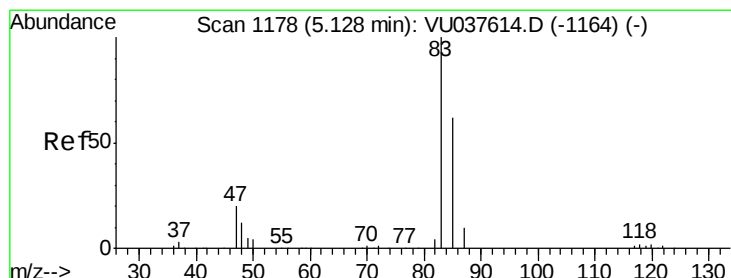
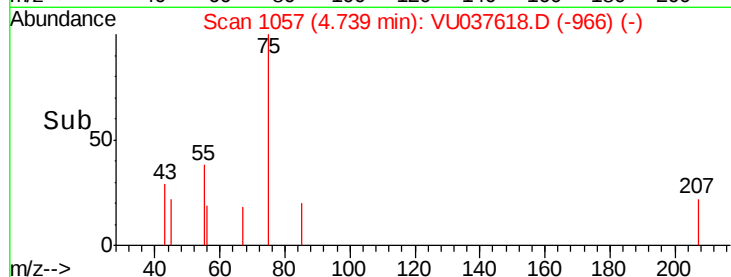
300

200

100

0

Time-->



#25

Chloroform

Concen: 4.548 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037618.D

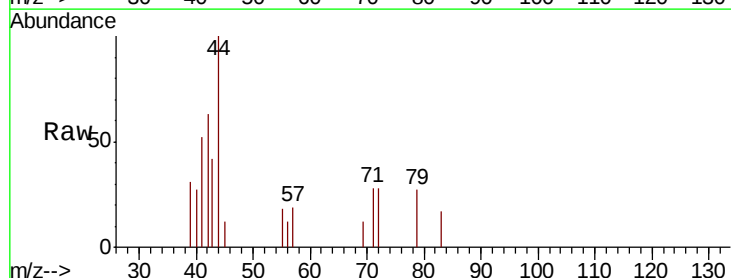
Acq: 09 Apr 2020 15:21

Tgt Ion: 83 Resp: 84

Ion Ratio Lower Upper

83 100

85 0.0 45.5 84.5#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.12

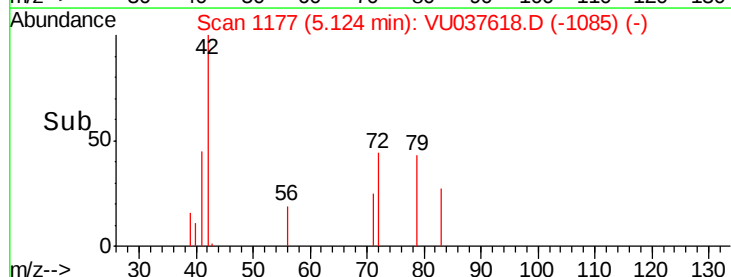
150

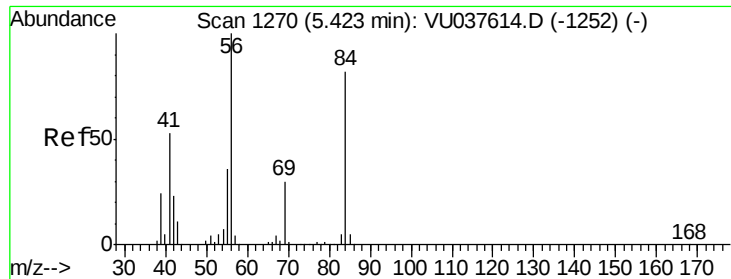
100

50

0

Time-->

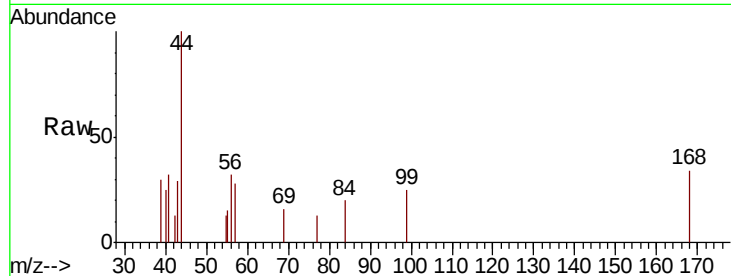




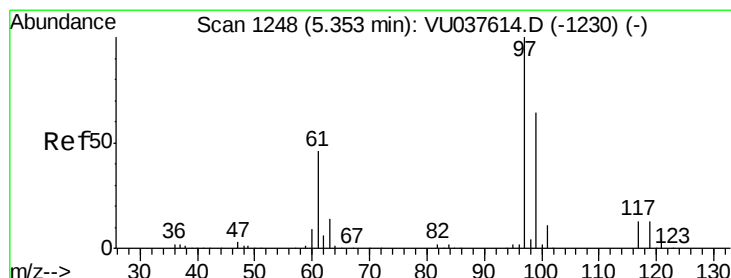
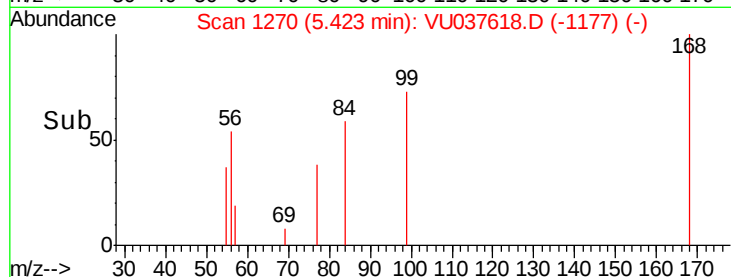
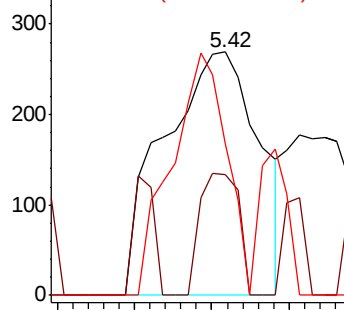
#29
Cyclohexane
Concen: 31.233 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 460
Ion Ratio Lower Upper
56 100
69 20.7 24.0 36.0#
84 57.6 66.3 99.5#

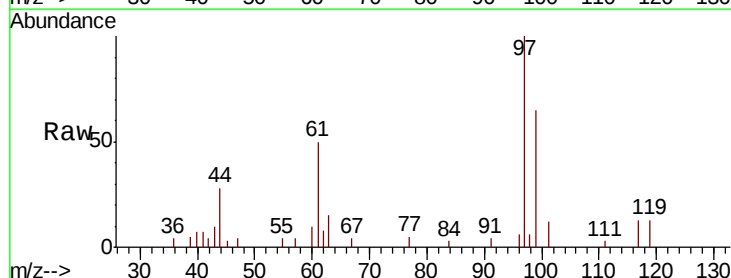


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

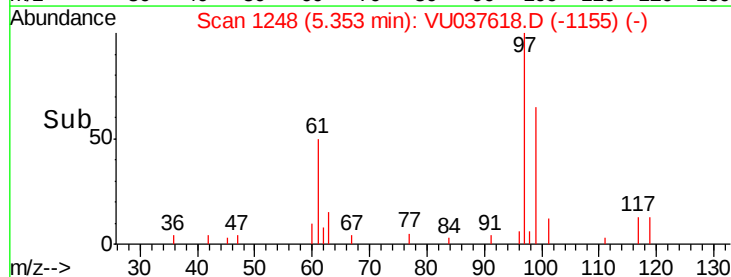
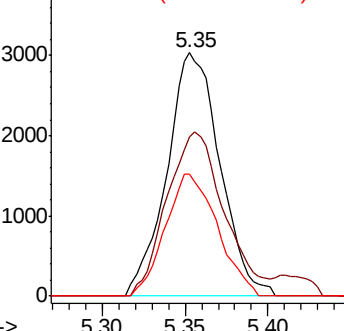


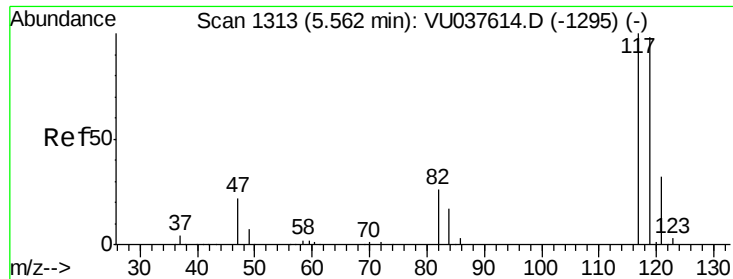
#30
1,1,1-Trichloroethane
Concen: 557.109 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

Tgt Ion: 97 Resp: 6763
Ion Ratio Lower Upper
97 100
99 72.9 51.9 77.9
61 49.3 37.1 55.7



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: 78.136 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.21 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

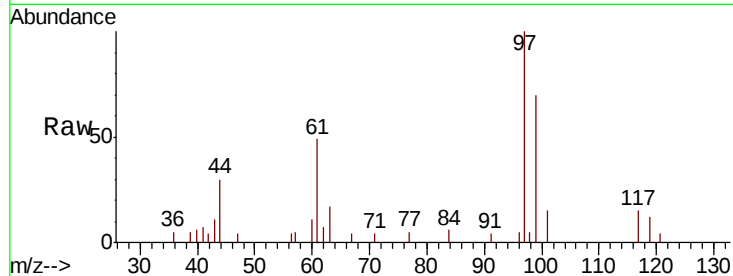
ClientSampleId :

Tot Ion:117 Resp: 770

Ion Ratio Lower Upper

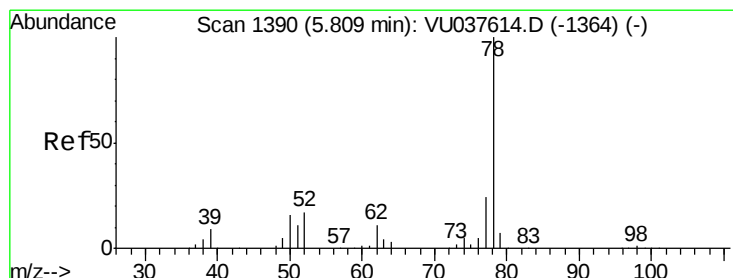
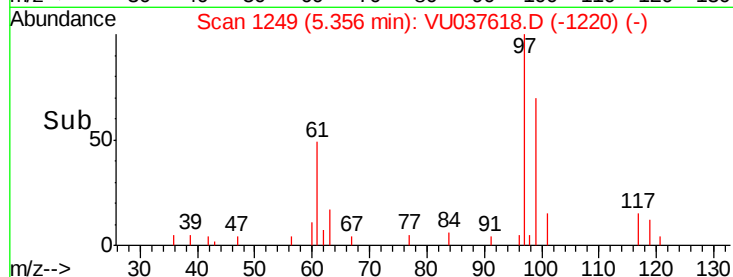
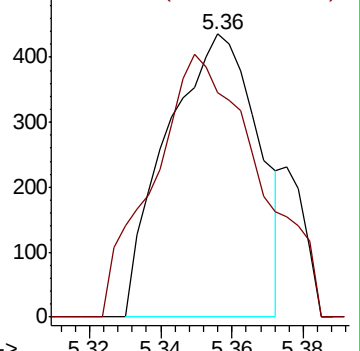
117 100

119 107.7 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 7.701 ug/L

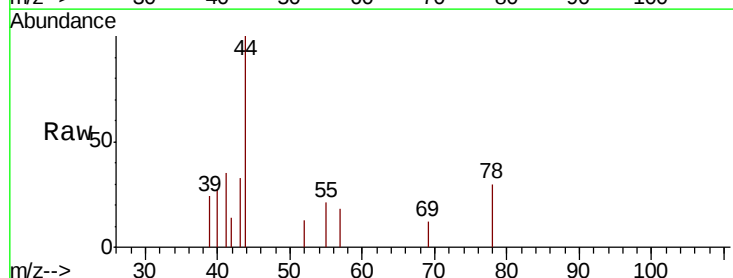
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

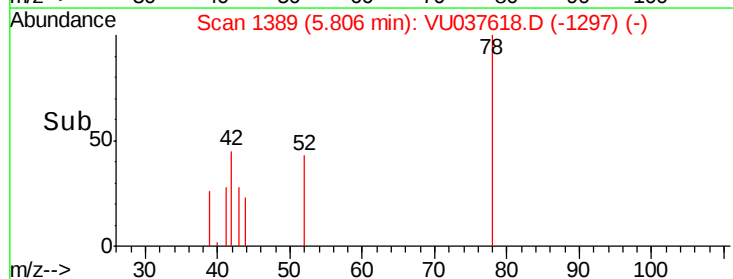
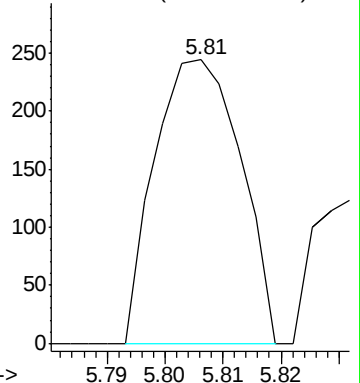
Lab File: VU037618.D

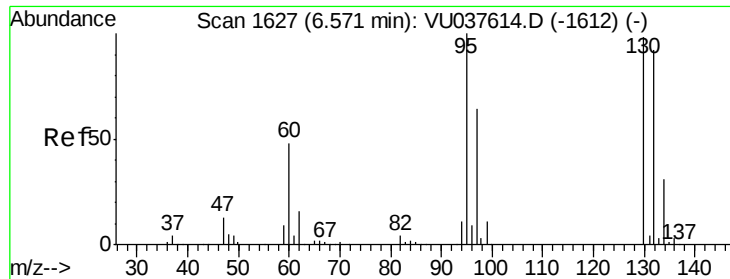
Acq: 09 Apr 2020 15:21

Tgt Ion: 78 Resp: 251



Abundance Ion 78.00 (77.70 to 78.70): VU0

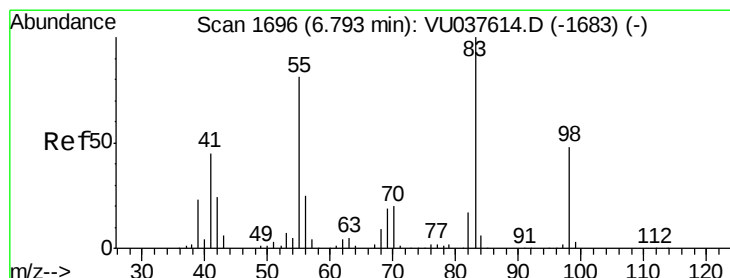
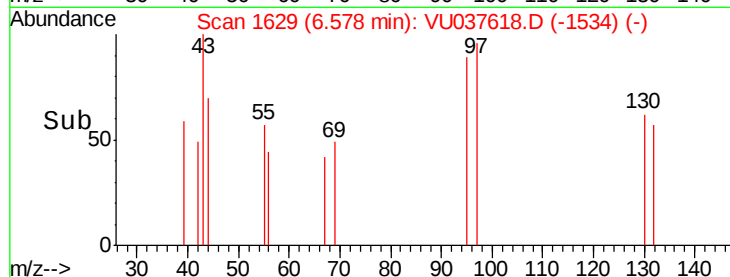
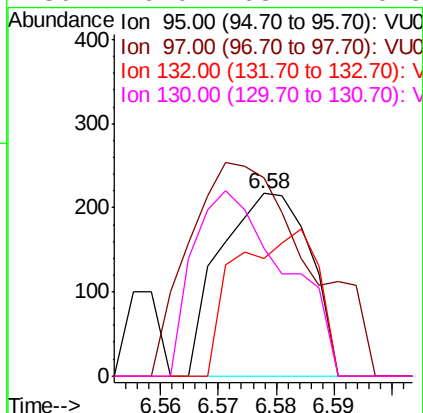
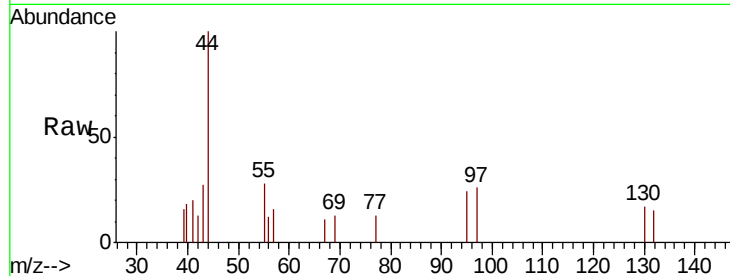




#34
 Trichloroethene
 Concen: 29.040 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.01 min
 Lab File: VU037618.D
 Acq: 09 Apr 2020 15:21

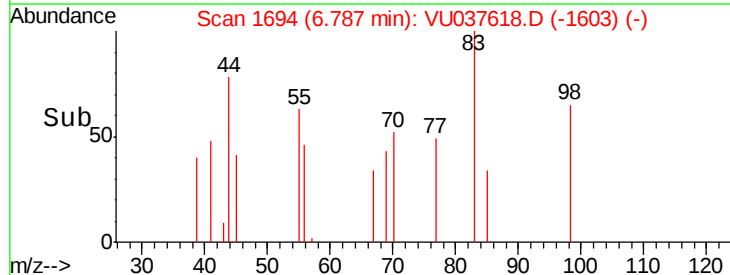
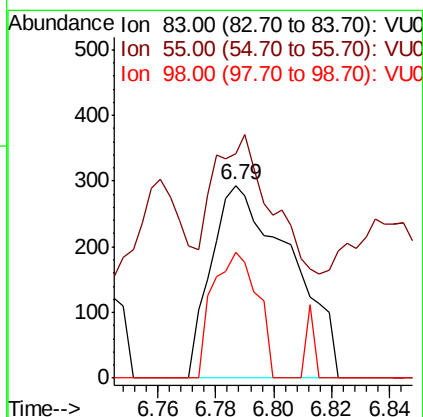
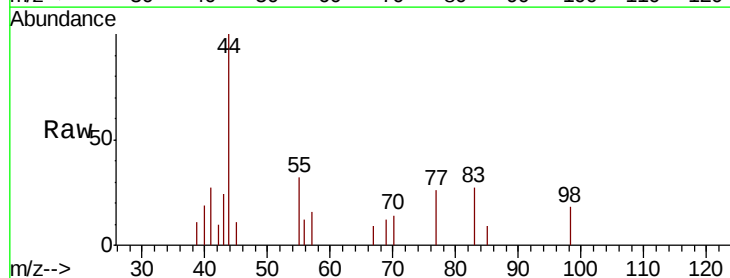
Instrument :
 MSVOA_U
 ClientSampled :

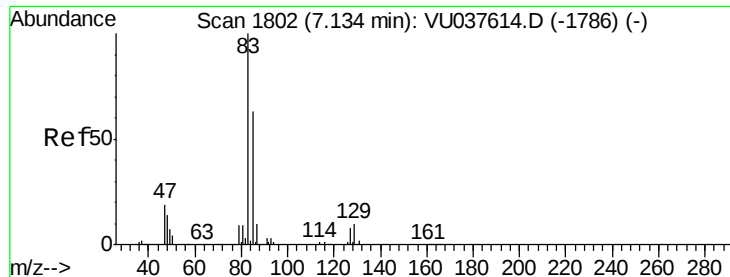
Tot Ion: 95 Resp: 233
 Ion Ratio Lower Upper
 95 100
 97 108.3 43.8 81.4#
 132 64.5 64.8 120.4#
 130 70.0 68.2 126.6



#35
 Methylcyclohexane
 Concen: 39.196 ug/L
 RT: 6.79 min Scan# 1694
 Delta R.T. -0.01 min
 Lab File: VU037618.D
 Acq: 09 Apr 2020 15:21

Tgt Ion: 83 Resp: 558
 Ion Ratio Lower Upper
 83 100
 55 12.7 64.6 96.8#
 98 36.6 38.0 57.0#





#38

Bromodichloromethane

Concen: 14.241 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

ClientSampleId :

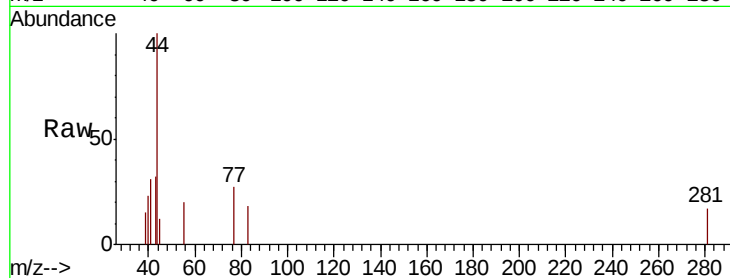
Tot Ion: 83 Resp: 157

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

127 0.0 6.6 9.8#



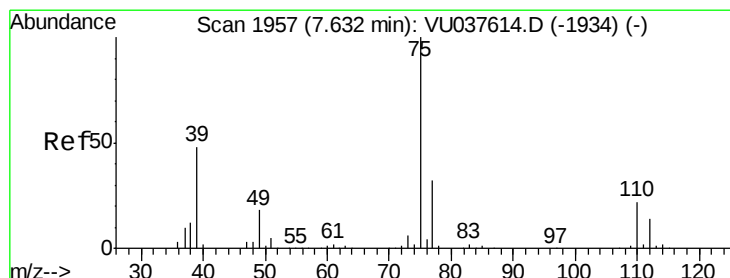
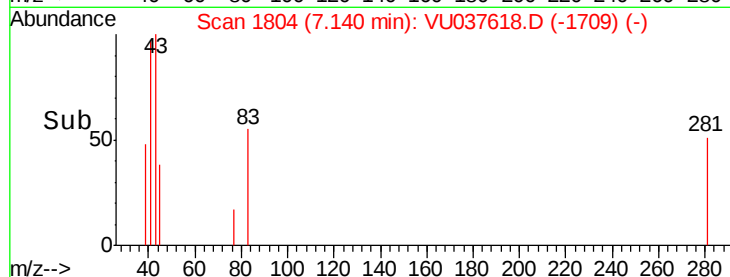
Abundance Ion 83.00 (82.70 to 83.70): VU037618.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU037618.D (-1786) (-)

Ion 127.00 (126.70 to 127.70): VU037618.D (-1786) (-)

7.14

Time-->



#39

cis-1,3-Dichloropropene

Concen: 14.326 ug/L

RT: 7.64 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU037618.D

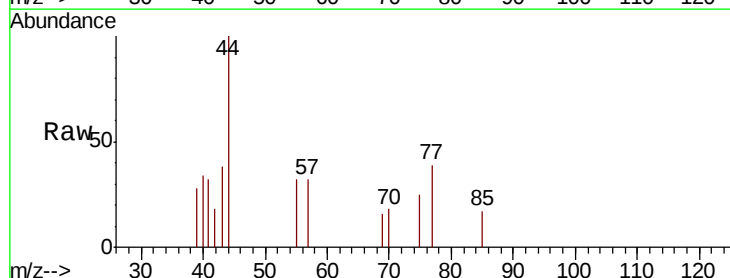
Acq: 09 Apr 2020 15:21

Tgt Ion: 75 Resp: 210

Ion Ratio Lower Upper

75 100

77 154.9 22.1 41.1#

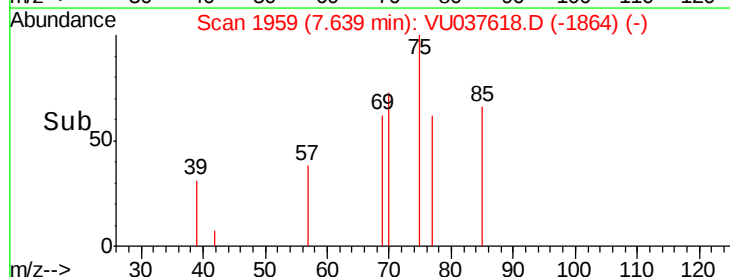


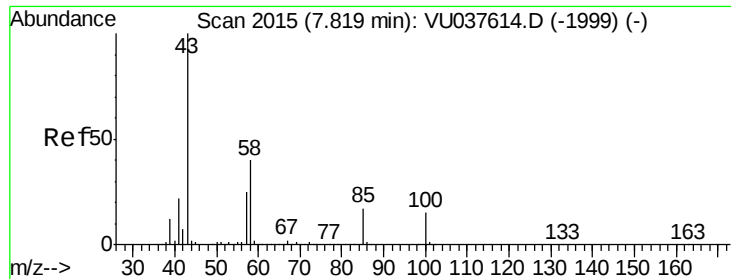
Abundance Ion 75.00 (74.70 to 75.70): VU037618.D (-1864) (-)

Ion 77.00 (76.70 to 77.70): VU037618.D (-1864) (-)

7.64

Time-->

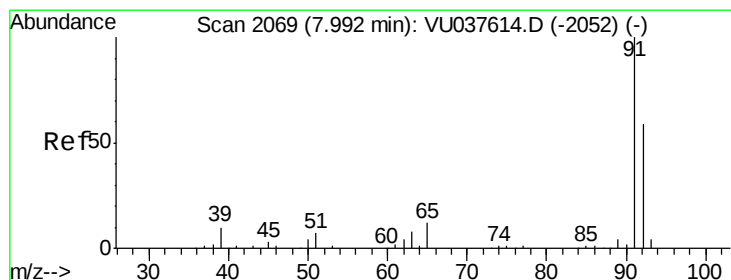
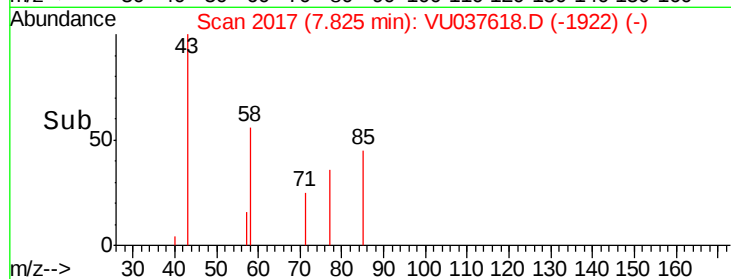
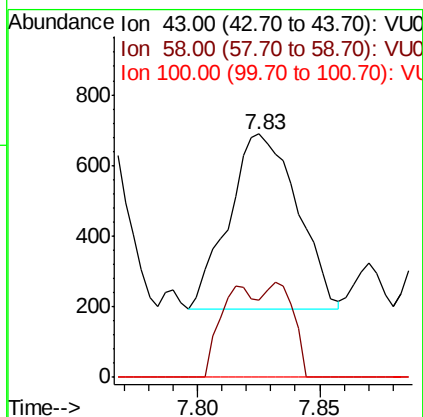
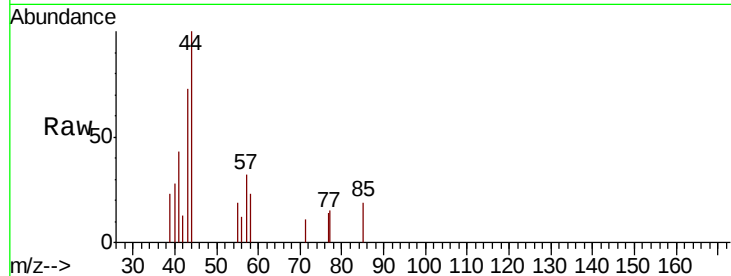




#40
4-Methyl-2-pentanone
Concen: 60.546 ug/L
RT: 7.83 min Scan# 2017
Delta R.T. 0.01 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

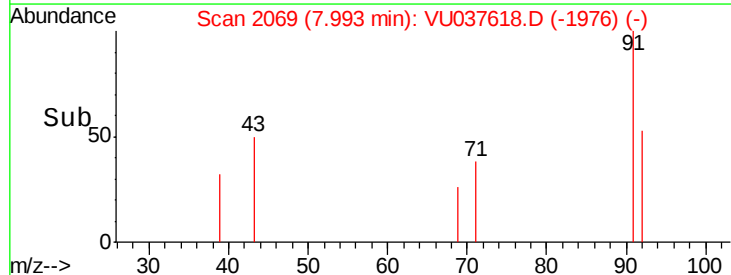
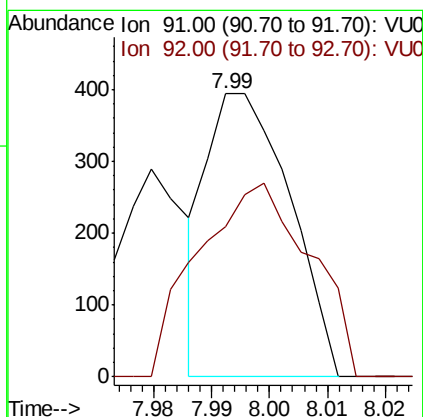
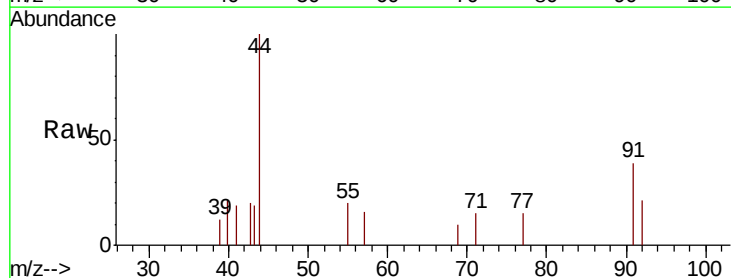
Instrument :
MSVOA_U
ClientSampleId :

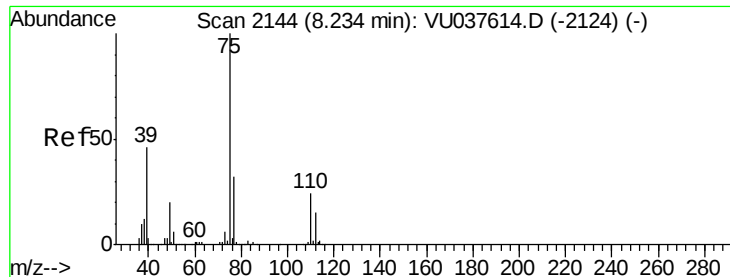
Tot Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 22.3 31.5 47.3#
100 0.0 12.0 18.0#



#42
Toluene
Concen: 11.322 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

Tgt Ion: 91 Resp: 392
Ion Ratio Lower Upper
91 100
92 53.0 41.8 77.6





#44

trans-1,3-Dichloropropene

Concen: 28.855 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

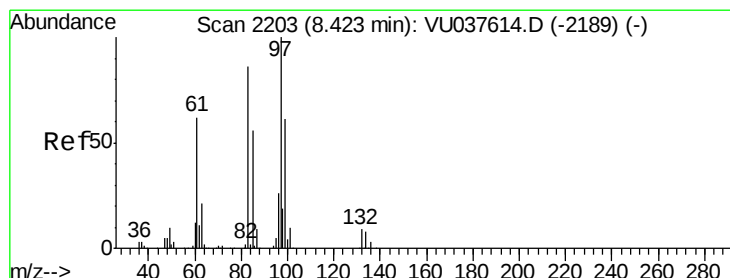
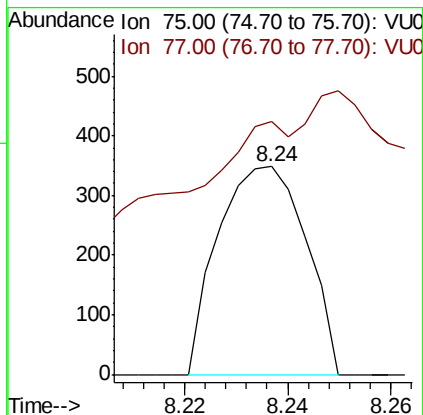
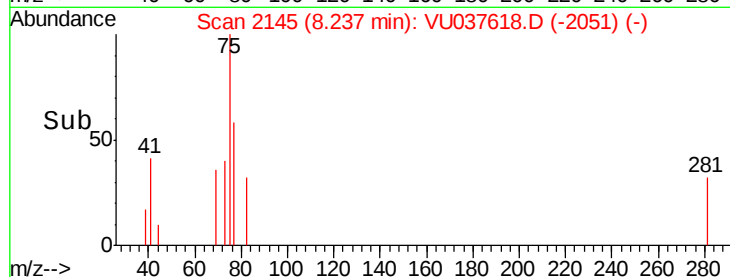
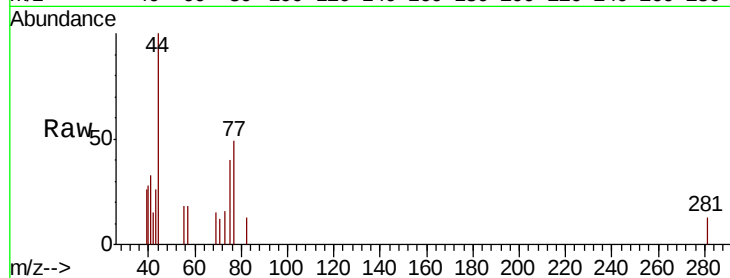
ClientSampled :

Tot Ion: 75 Resp: 410

Ion Ratio Lower Upper

75 100

77 121.6 22.7 42.1#



#45

1,1,2-Trichloroethane

Concen: 14.642 ug/L

RT: 8.45 min Scan# 2210

Delta R.T. 0.02 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Tgt Ion: 97 Resp: 117

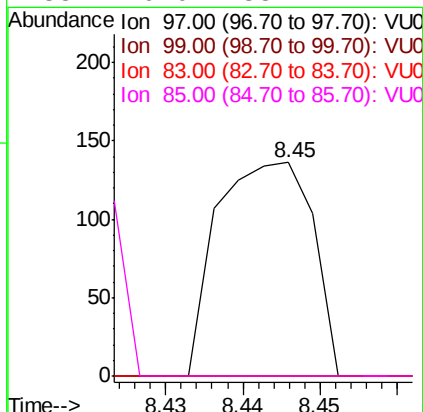
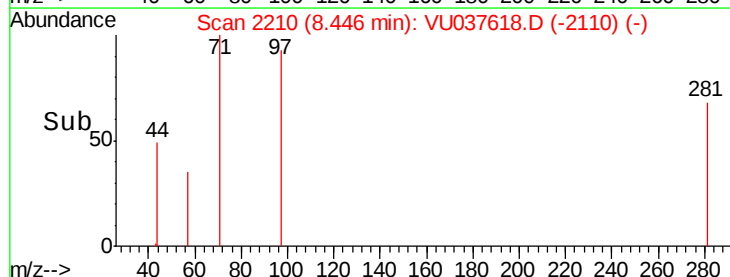
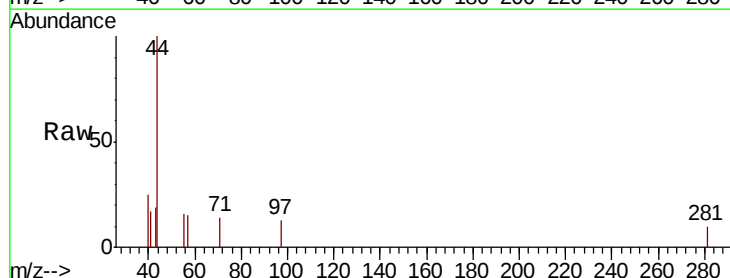
Ion Ratio Lower Upper

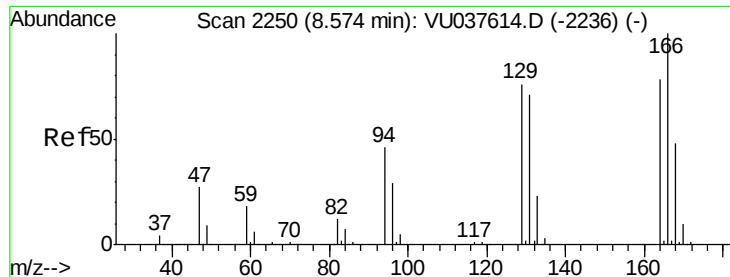
97 100

99 0.0 43.6 81.0#

83 0.0 61.2 113.8#

85 0.0 38.4 71.4#





#46

Tetrachloroethene

Concen: 16.416 ug/L

RT: 8.57 min Scan# 2248

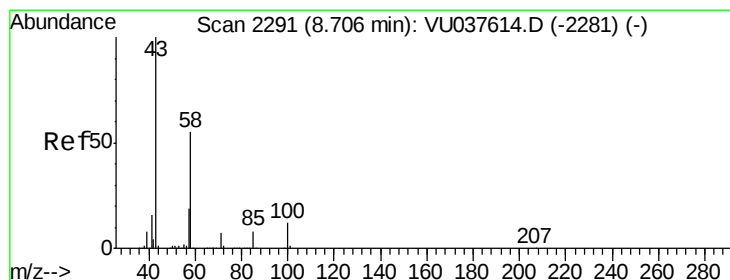
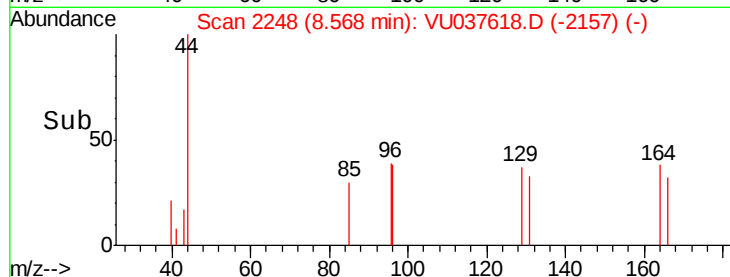
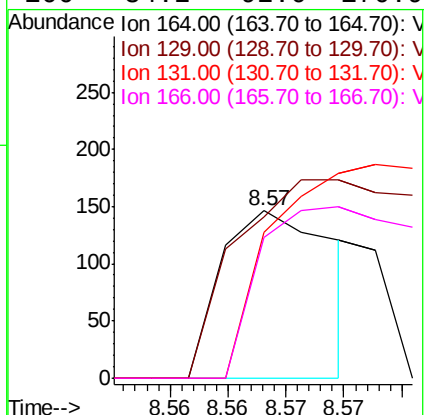
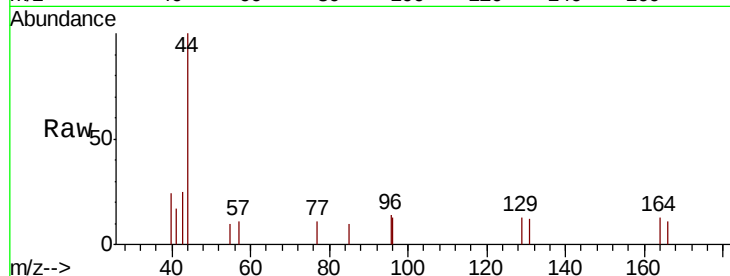
Delta R.T. -0.01 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	164	Resp:	98
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.0	126.2
131	87.0	65.8	122.2
166	84.2	92.0	170.9#



#48

2-Hexanone

Concen: 175.013 ug/L

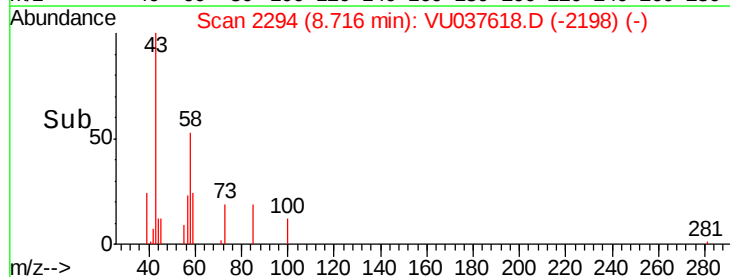
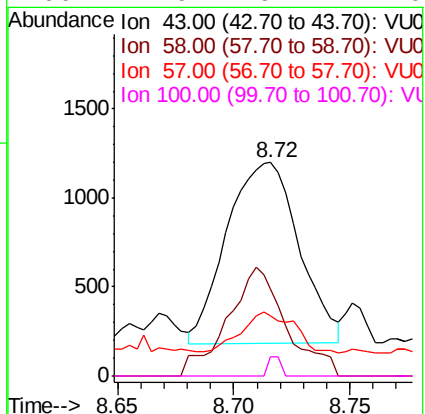
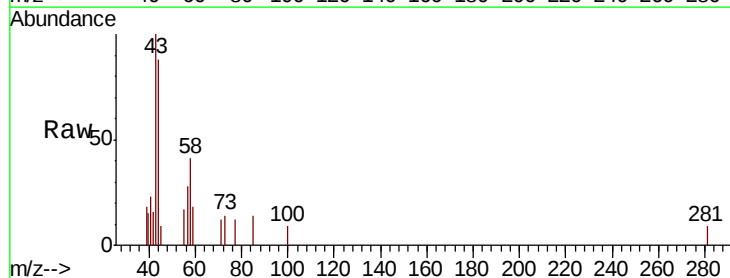
RT: 8.72 min Scan# 2294

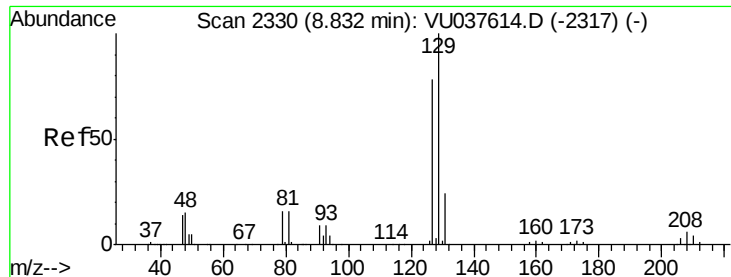
Delta R.T. 0.01 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Tgt Ion:	43	Resp:	2198
Ion	Ratio	Lower	Upper
43	100		
58	45.7	44.0	66.0
57	12.3	15.2	22.8#
100	1.9	9.4	14.0#





#49

Dibromochloromethane

Concen: 29.992 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

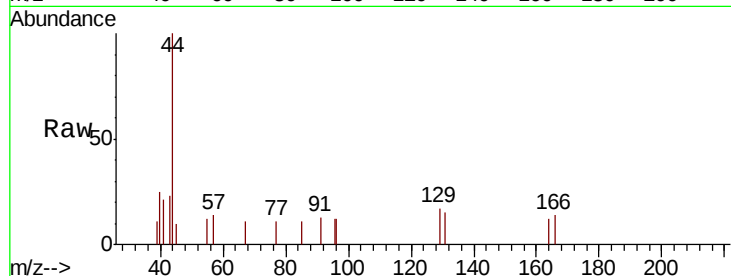
ClientSampleId :

Tot Ion:129 Resp: 257

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.57

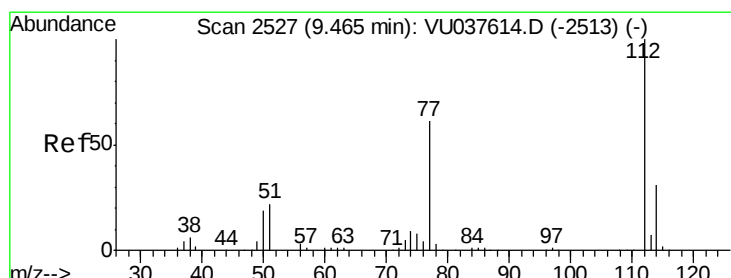
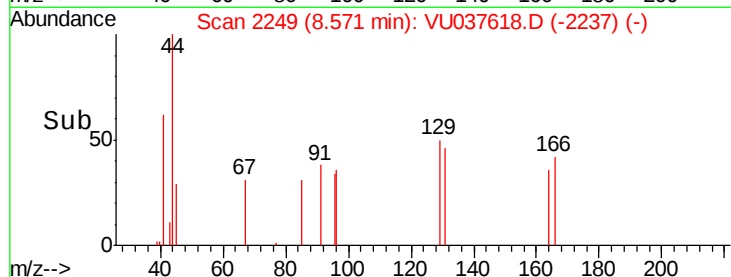
150

100

50

0

Time-->



#51

Chlorobenzene

Concen: 49.579 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

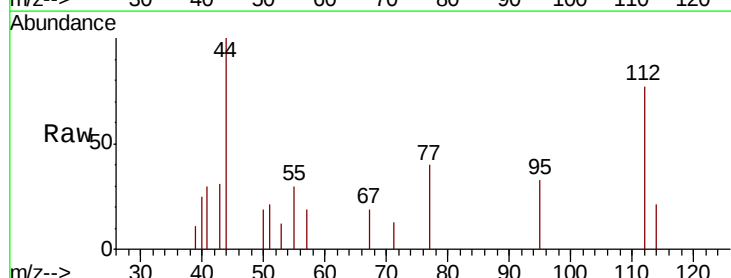
Tgt Ion:112 Resp: 1072

Ion Ratio Lower Upper

112 100

114 27.4 22.4 41.6

77 51.6 49.2 73.8



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

1000

800

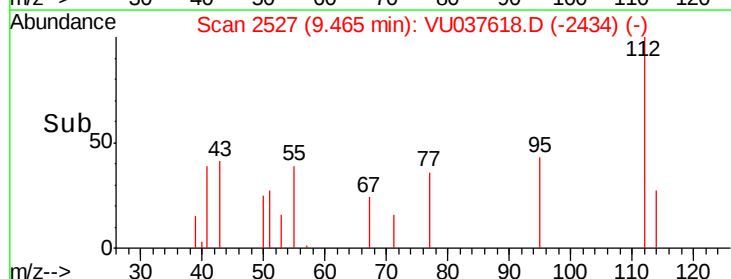
600

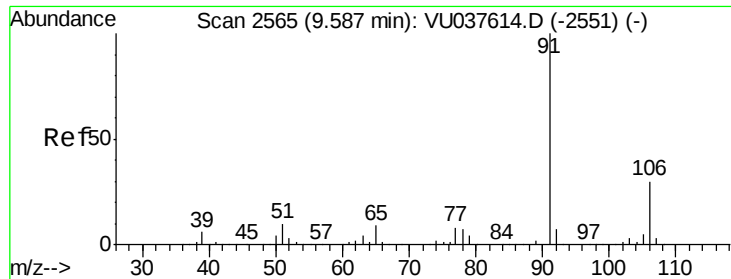
400

200

0

Time-->

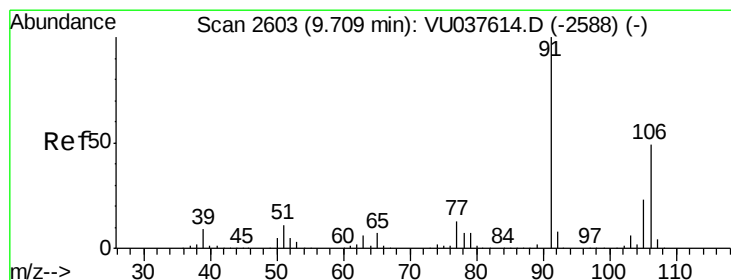
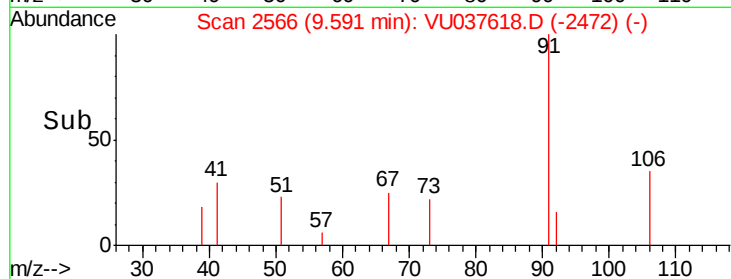
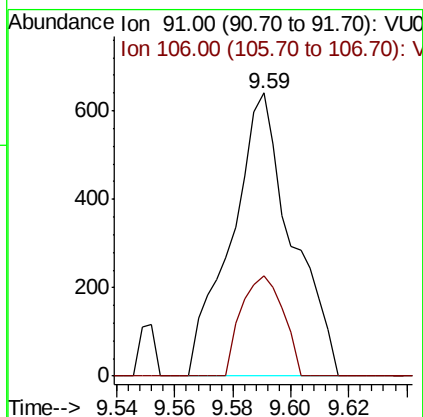
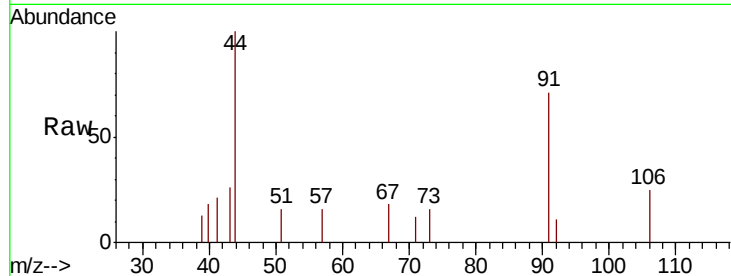




#52
Ethylbenzene
Concen: 23.932 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

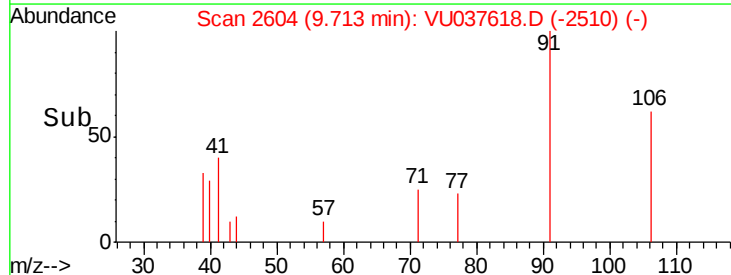
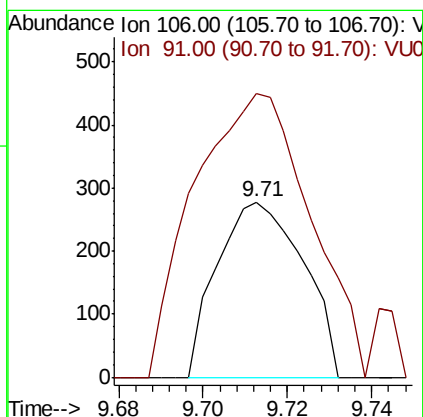
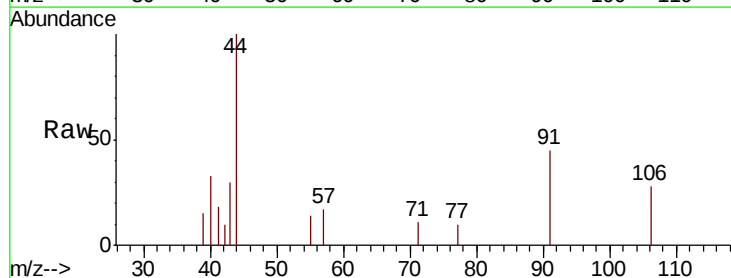
Instrument :
MSVOA_U
ClientSampled :

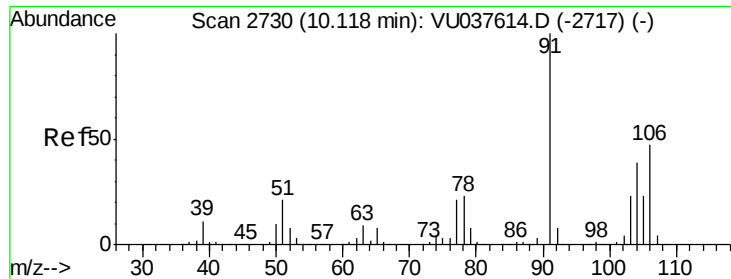
Tot Ion: 91 Resp: 929
Ion Ratio Lower Upper
91 100
106 35.3 21.6 40.0



#53
m,p-Xylene
Concen: 26.663 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

Tgt Ion:106 Resp: 393
Ion Ratio Lower Upper
106 100
91 161.5 140.8 261.6

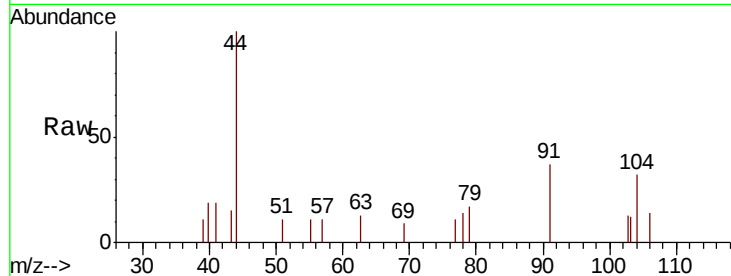




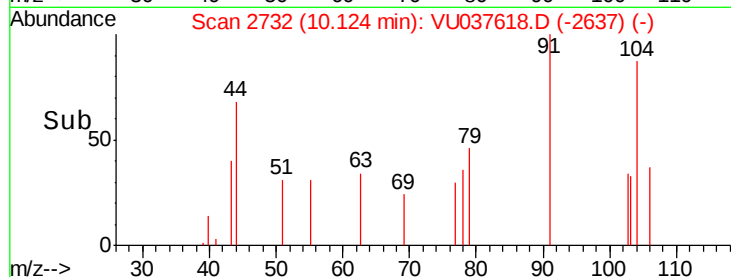
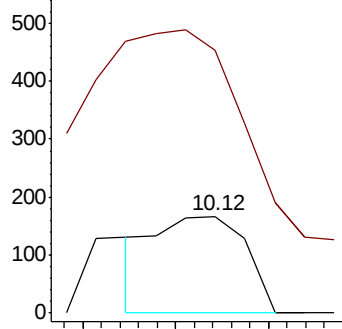
#54
o-xylene
Concen: 7.798 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.01 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

Instrument :
MSVOA_U
ClientSampled :

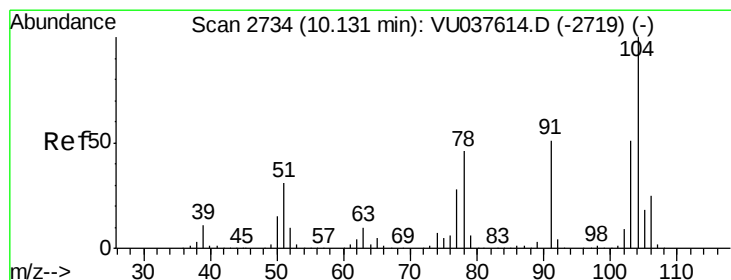
Tot Ion:106 Resp: 114
Ion Ratio Lower Upper
106 100
91 271.9 151.1 280.5



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

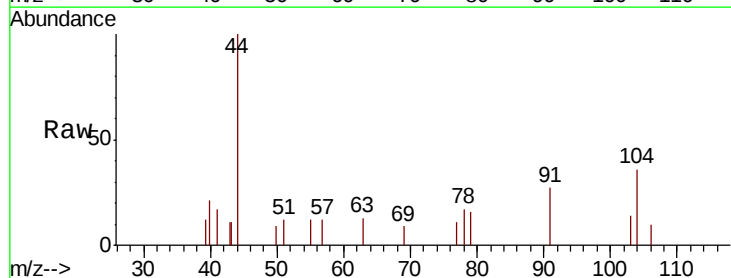


Time-->

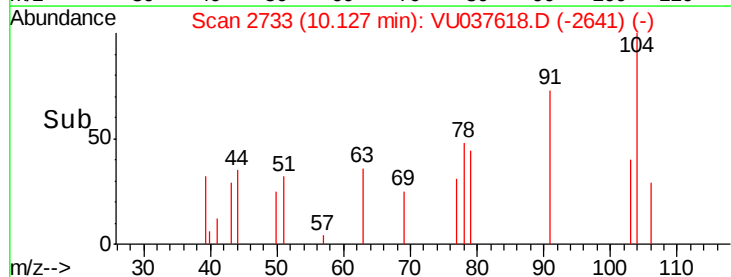
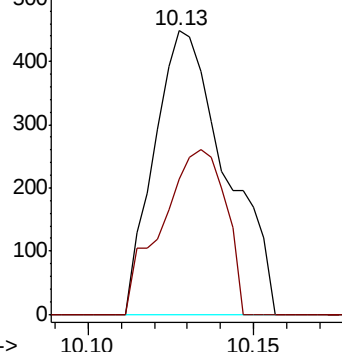


#55
Styrene
Concen: 26.552 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU037618.D
Acq: 09 Apr 2020 15:21

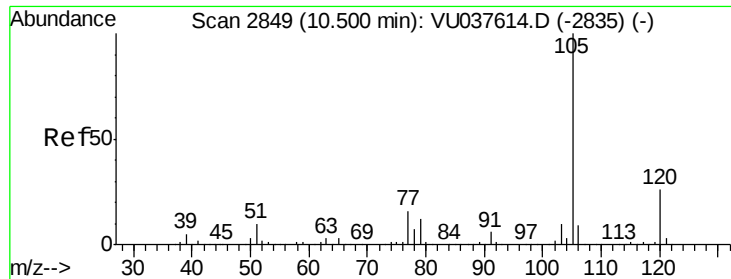
Tgt Ion:104 Resp: 673
Ion Ratio Lower Upper
104 100
78 47.8 32.0 59.4



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



Time-->



#56

Isopropylbenzene

Concen: 18.785 ug/L

RT: 10.49 min Scan# 2847

Delta R.T. -0.01 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

ClientSampleId :

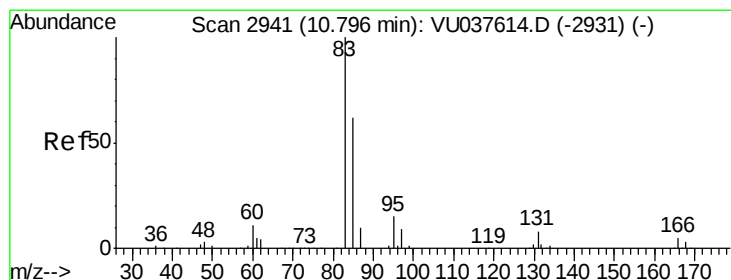
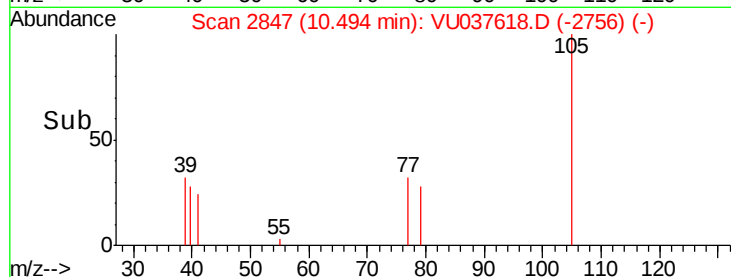
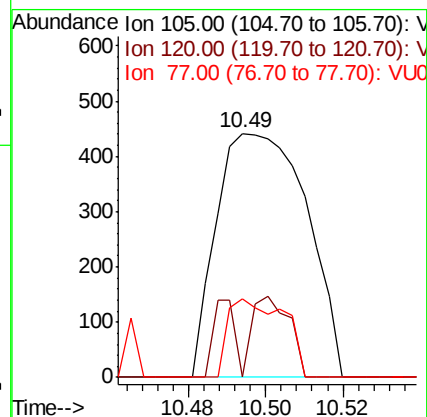
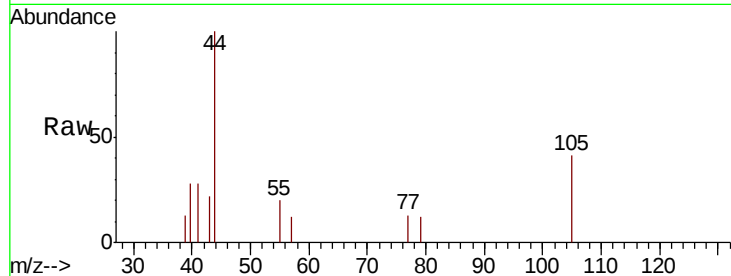
Tot Ion:105 Resp: 715

Ion Ratio Lower Upper

105 100

120 13.6 20.7 31.1#

77 13.7 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 11.634 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

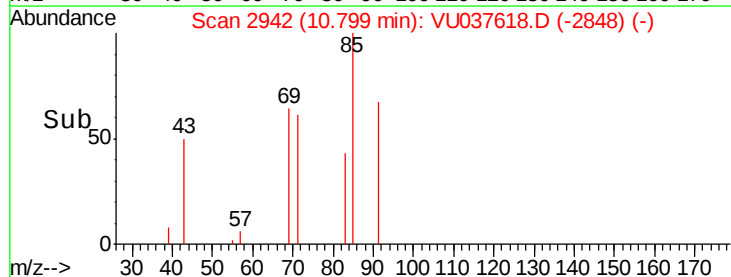
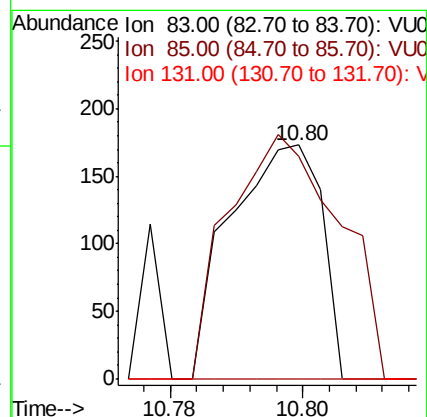
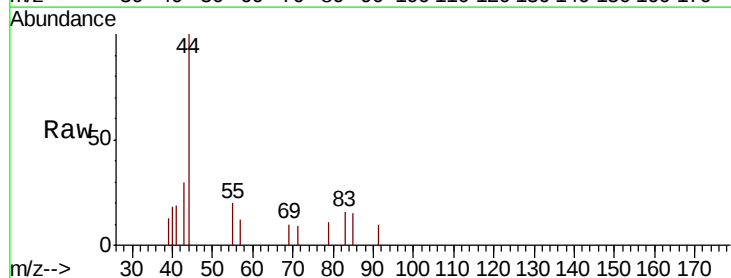
Tgt Ion: 83 Resp: 166

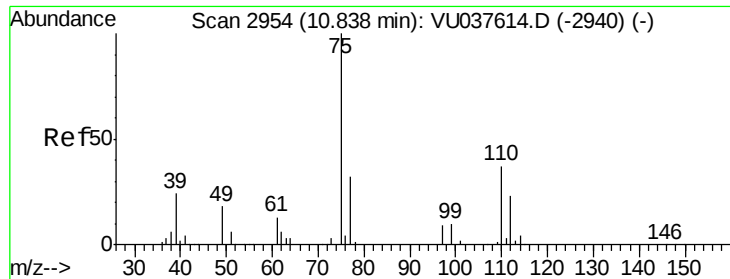
Ion Ratio Lower Upper

83 100

85 95.4 44.2 82.2#

131 0.0 7.6 11.4#





#59

1,2,3-Trichloropropane

Concen: 17.014 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

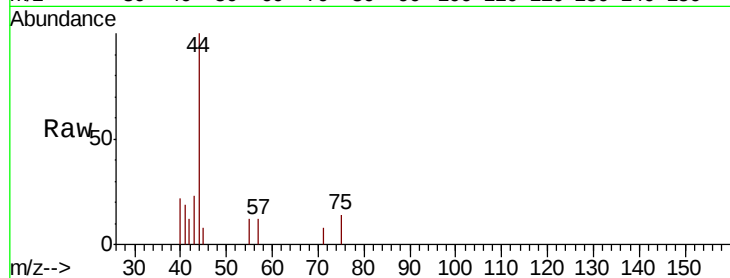
ClientSampled :

Tot Ion: 75 Resp: 207

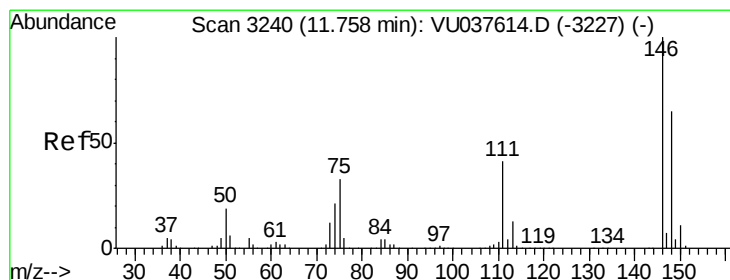
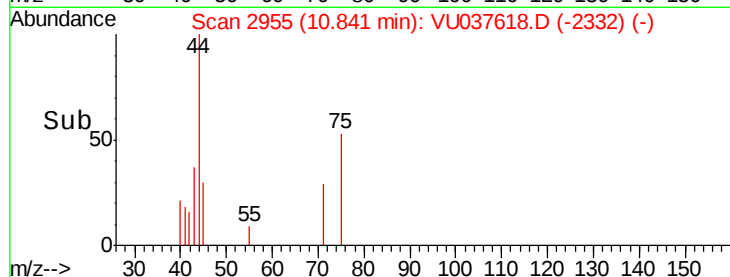
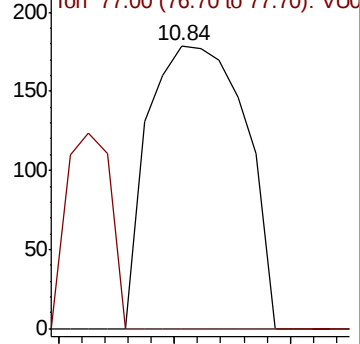
Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU037618.D (-2940) (-)



#62

1,3-Dichlorobenzene

Concen: 22.258 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

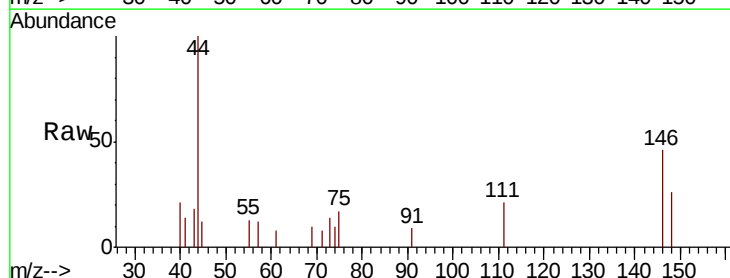
Tgt Ion: 146 Resp: 950

Ion Ratio Lower Upper

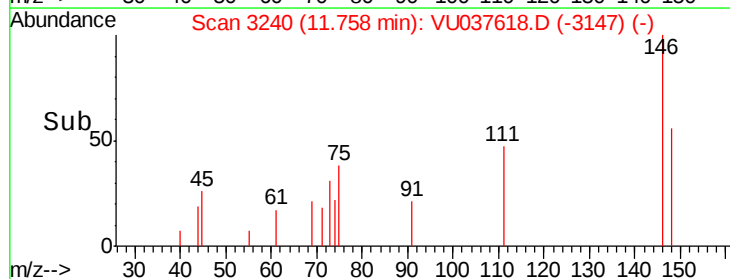
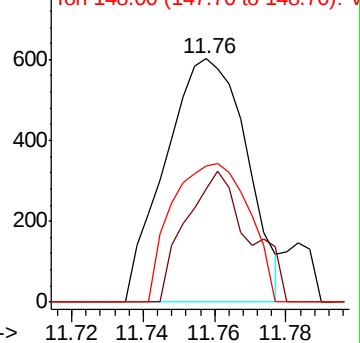
146 100

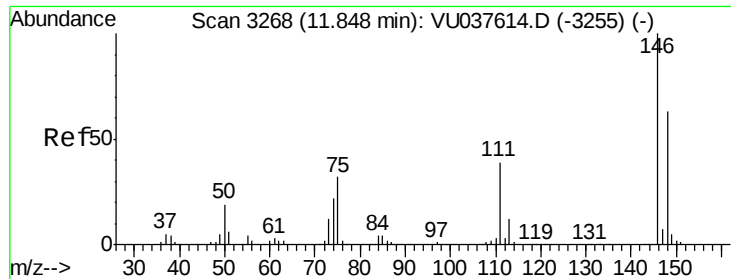
111 46.7 28.6 53.0

148 55.8 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): VU037618.D (-3227) (-)





#63

1,4-Dichlorobenzene

Concen: 27.929 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

ClientSampled :

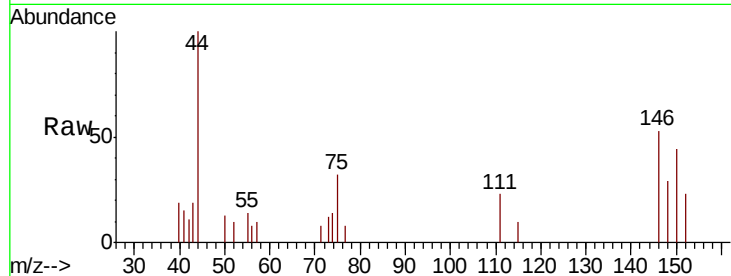
Tot Ion:146 Resp: 1196

Ion Ratio Lower Upper

146 100

111 43.5 27.2 50.6

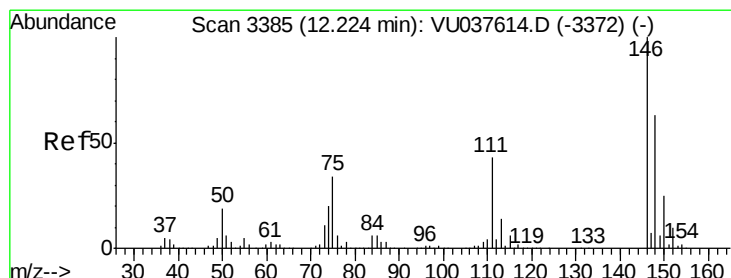
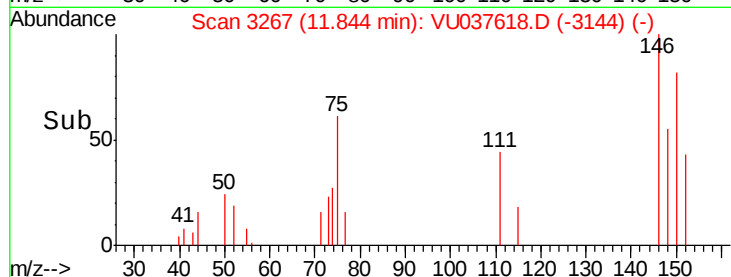
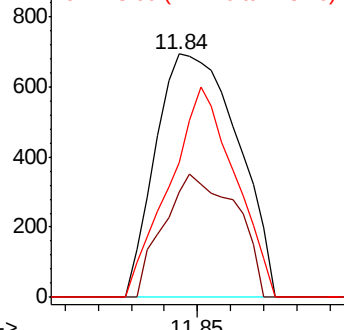
148 55.3 44.9 83.3



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: 10.722 ug/L

RT: 12.22 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

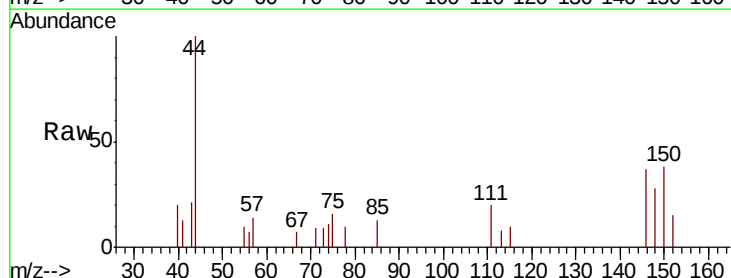
Tgt Ion:146 Resp: 451

Ion Ratio Lower Upper

146 100

111 53.6 34.2 51.4#

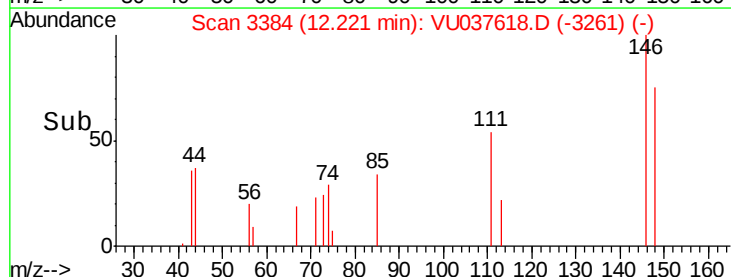
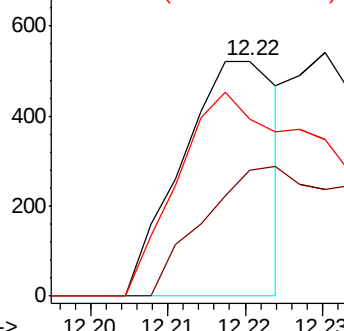
148 75.5 50.9 76.3

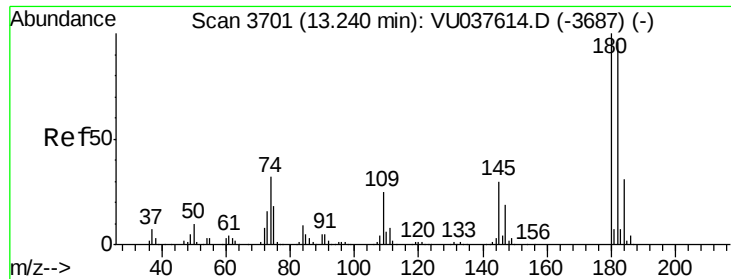


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

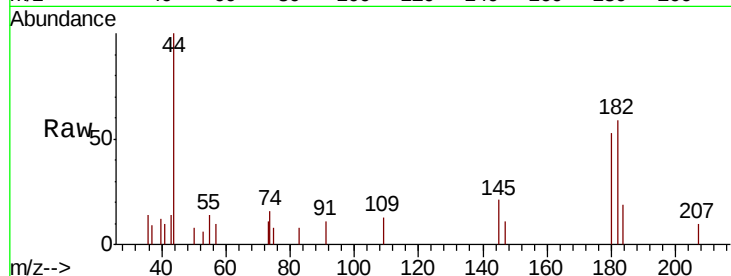




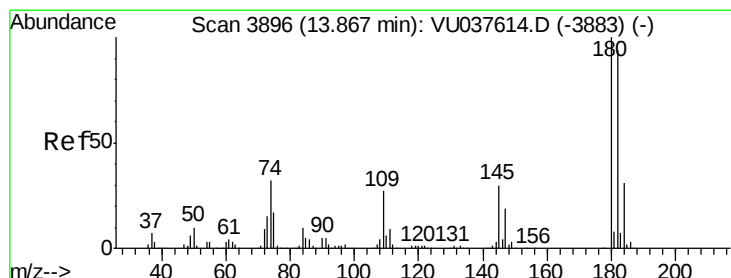
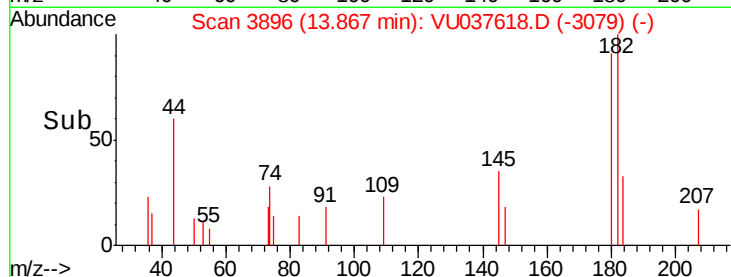
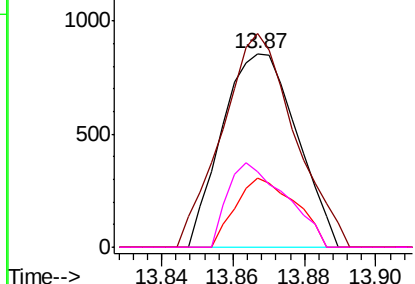
#67
 1,3,5-Trichlorobenzene
 Concen: 39.669 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.63 min
 Lab File: VU037618.D
 Acq: 09 Apr 2020 15:21

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 1238
 Ion Ratio Lower Upper
 180 100
 182 107.2 76.2 114.4
 184 28.7 24.7 37.1
 145 34.2 23.8 35.6

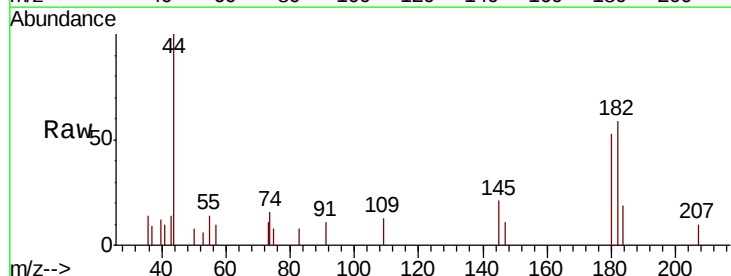


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

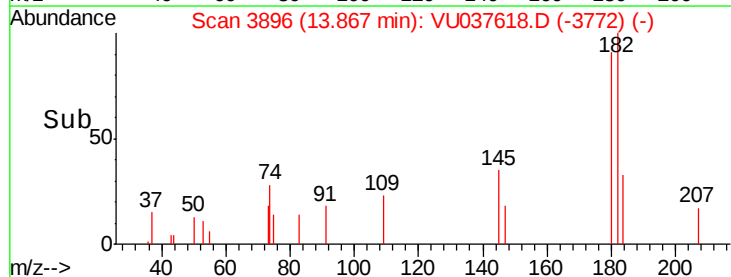
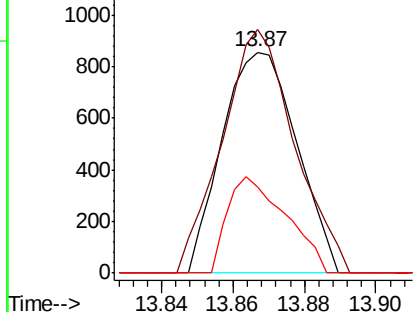


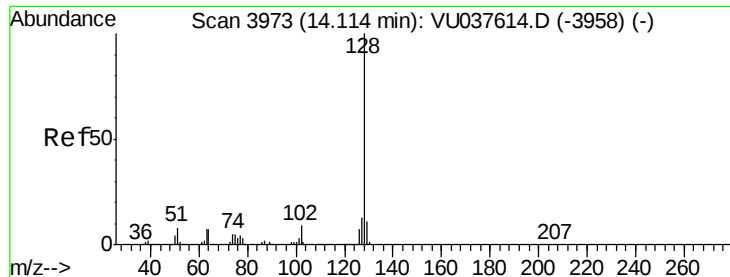
#68
 1,2,4-trichlorobenzene
 Concen: 41.129 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037618.D
 Acq: 09 Apr 2020 15:21

Tgt Ion:180 Resp: 1238
 Ion Ratio Lower Upper
 180 100
 182 107.2 76.5 114.7
 145 34.2 23.8 35.6



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: 64.711 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

Instrument :

MSVOA_U

ClientSampleId :

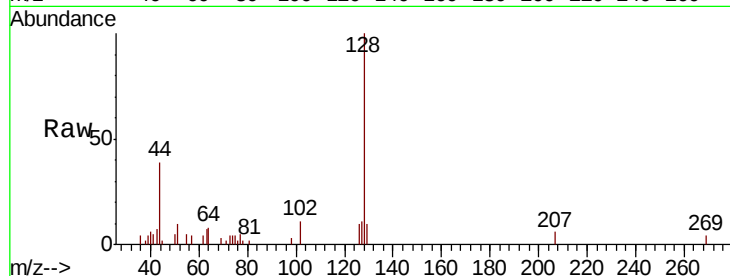
Tot Ion:128 Resp: 7187

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

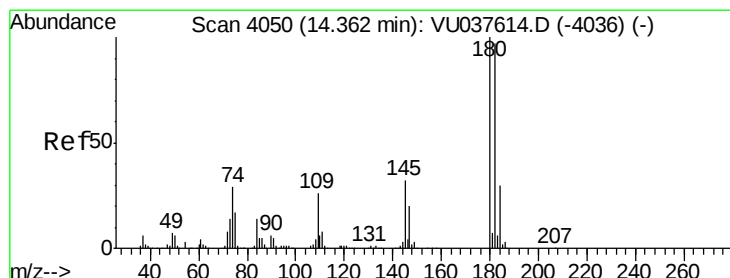
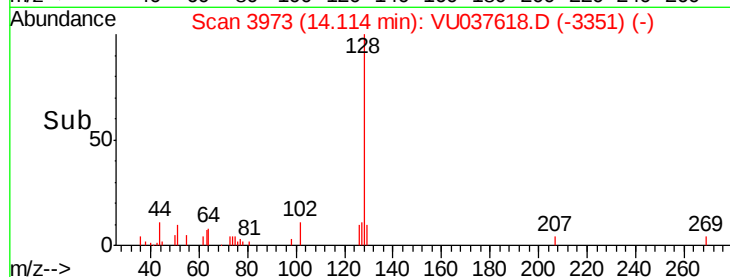
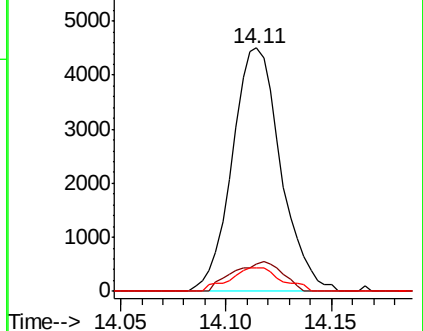
129 9.4 8.6 13.0



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: 38.045 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037618.D

Acq: 09 Apr 2020 15:21

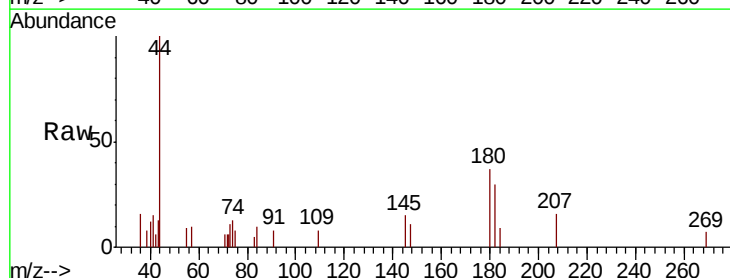
Tgt Ion:180 Resp: 1141

Ion Ratio Lower Upper

180 100

182 84.8 75.6 113.4

145 40.8 25.8 38.8#



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

