

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037452.D
 Acq On : 29 Mar 2020 11:25
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 03:16:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 30 03:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	99547	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	94331	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	46556	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34127	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.93	69	28881	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.59	63	66711	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	4.67	46	108591	54.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.44%
24) Chloroform-d	5.11	84	69359	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.74	65	39230	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.76	84	126975	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.72	67	42794	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.93	98	116100	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.20	79	19030	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.66	63	91237	54.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.20%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	36912	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	42665	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	35531	4.254 ug/L	99
3) Chloromethane	1.53	50	36865	4.979 ug/L	99
5) Vinyl chloride	1.62	62	39625	5.085 ug/L	99
6) Bromomethane	1.87	94	22605	5.147 ug/L	96
8) Chloroethane	1.95	64	22841	5.254 ug/L	97
9) Trichlorofluoromethane	2.16	101	52957	5.076 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	29056	4.571 ug/L	96
12) 1,1-Dichloroethene	2.61	96	30878	4.716 ug/L	93
13) Acetone	2.66	43	56858	49.406 ug/L	99
14) Carbon disulfide	2.82	76	105971	4.731 ug/L	98
15) Methyl Acetate	2.98	43	15722	4.890 ug/L	97
16) Methylene chloride	3.08	84	35406	4.839 ug/L	97
17) Methyl tert-butyl Ether	3.40	73	91717	5.148 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	34225	4.999 ug/L	97
19) 1,1-Dichloroethane	3.91	63	64345	5.029 ug/L	97
21) 2-Butanone	4.75	43	101732	51.999 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	37014	4.825 ug/L	97

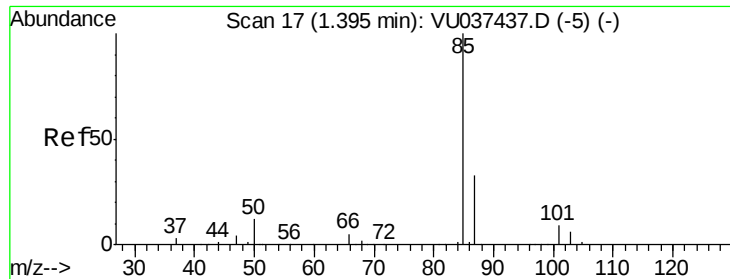
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037452.D
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 Operator : JC/MD
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	16156	4.767	ug/L	97
25) Chloroform	5.13	83	68075	5.057	ug/L	99
27) 1,2-Dichloroethane	5.83	62	46566	5.178	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	60476	5.101	ug/L	100
30) Cyclohexane	5.43	56	59758	4.918	ug/L	97
31) Carbon tetrachloride	5.56	117	49036	4.790	ug/L	99
33) Benzene	5.81	78	139524	4.995	ug/L	100
34) Trichloroethene	6.57	95	37916	4.766	ug/L	96
35) Methylcyclohexane	6.79	83	55439	4.403	ug/L	100
37) 1,2-Dichloropropane	6.83	63	36664	5.077	ug/L	100
38) Bromodichloromethane	7.13	83	51684	5.233	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	55678	4.728	ug/L	95
40) 4-Methyl-2-pentanone	7.82	43	261405	54.370	ug/L	99
42) Toluene	8.00	91	149611	4.970	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	50746	4.820	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	26701	4.944	ug/L	96
47) Tetrachloroethene	8.57	164	24903	4.544	ug/L	96
48) 2-Hexanone	8.71	43	185681	53.580	ug/L	99
49) Dibromochloromethane	8.84	129	32863	4.930	ug/L	96
50) 1,2-Dibromoethane	8.95	107	26492	5.053	ug/L	96
51) Chlorobenzene	9.47	112	93115	4.477	ug/L	99
52) Ethylbenzene	9.59	91	170235	4.927	ug/L	100
53) m,p-Xylene	9.71	106	61967	4.747	ug/L	97
54) o-Xylene	10.12	106	62201	4.882	ug/L	100
55) Styrene	10.13	104	108270	4.973	ug/L	99
56) Isopropylbenzene	10.50	105	166140	4.894	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	35552	5.157	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	25938	5.164	ug/L	97
61) Bromoform	10.31	173	19153	4.950	ug/L #	95
62) 1,3-Dichlorobenzene	11.76	146	71809	4.797	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	72002	4.504	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	68526	4.742	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	7504	5.901	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	52049	4.484	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	48393	4.324	ug/L	98
69) Naphthalene	14.12	128	112524	5.179	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	45330	4.504	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.254 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

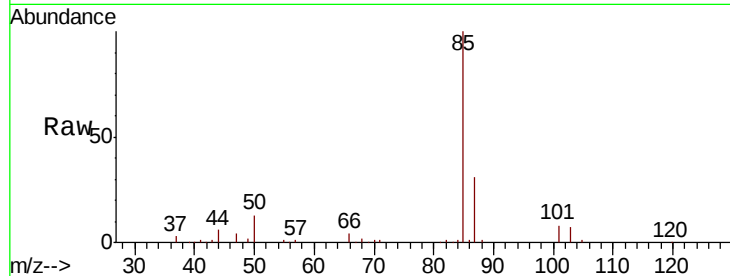
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 35531

Ion Ratio Lower Upper

85 100

87 31.5 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VU037437.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VU037437.D (-5) (-)

1.39

40000

30000

20000

10000

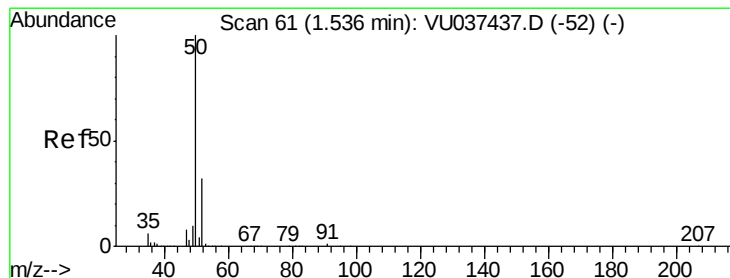
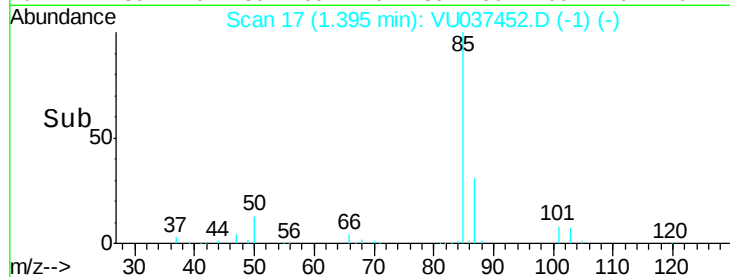
0

Time-->

1.35

1.40

1.45



#3

Chloromethane

Concen: 4.979 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037452.D

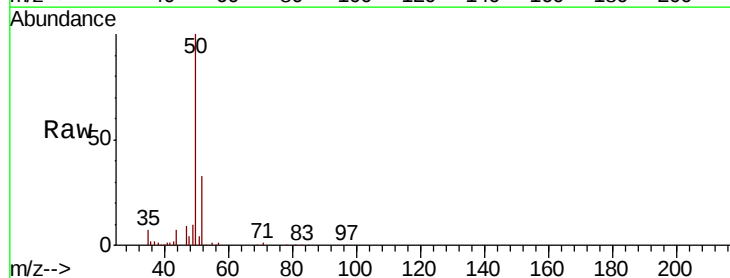
Acq: 29 Mar 2020 11:25

Tgt Ion: 50 Resp: 36865

Ion Ratio Lower Upper

50 100

52 33.1 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU037437.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU037437.D (-52) (-)

1.53

30000

20000

10000

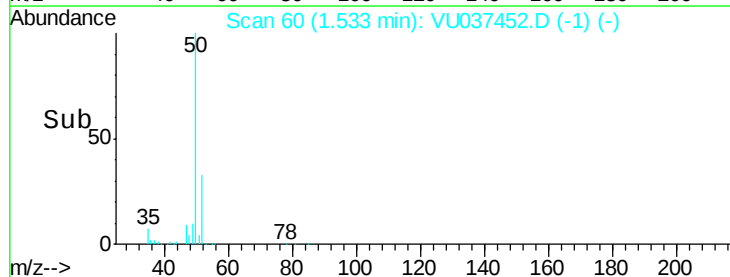
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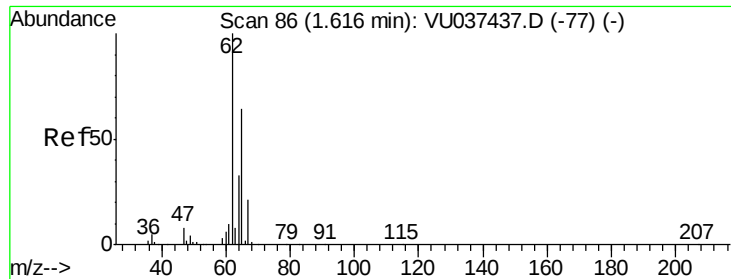
Time-->

1.50

1.55

1.60





#5

Vinyl chloride

Concen: 5.085 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

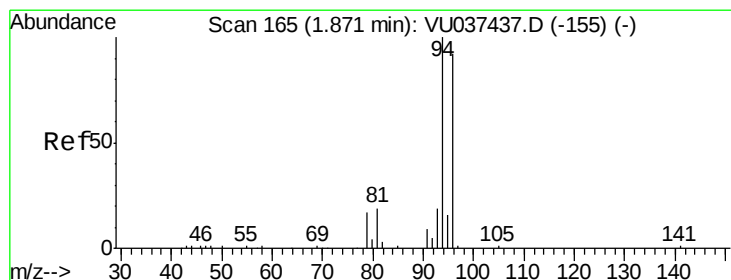
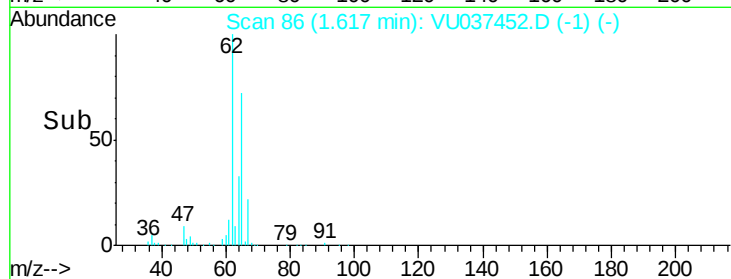
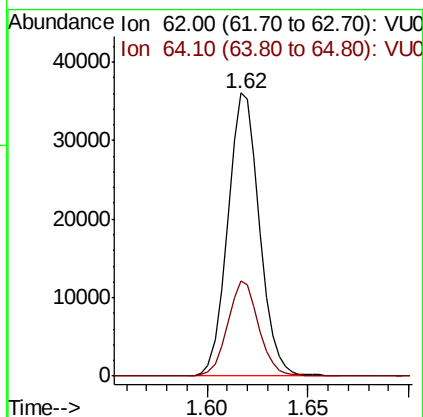
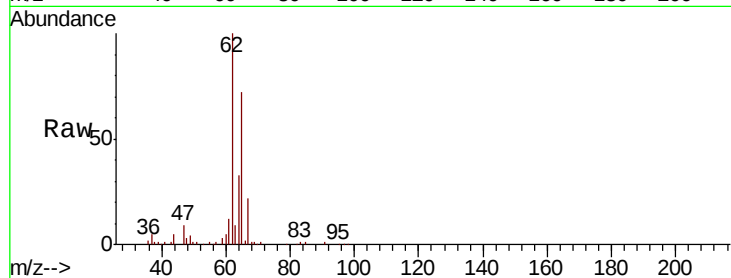
ClientSampleId :

Tot Ion: 62 Resp: 39625

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



#6

Bromomethane

Concen: 5.147 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037452.D

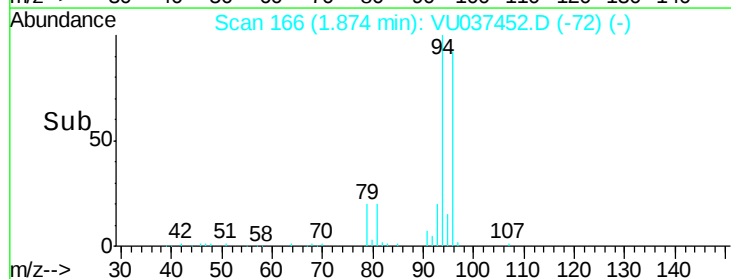
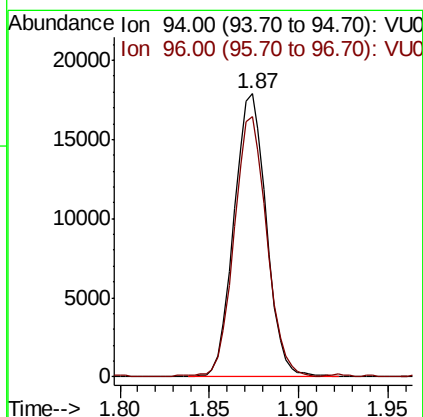
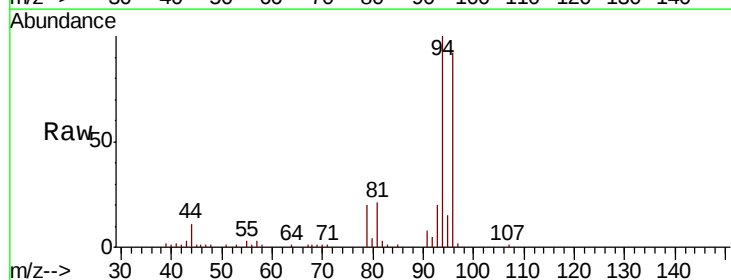
Acq: 29 Mar 2020 11:25

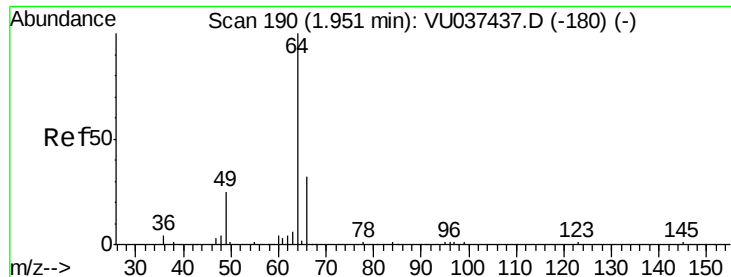
Tgt Ion: 94 Resp: 22605

Ion Ratio Lower Upper

94 100

96 91.9 66.8 124.2

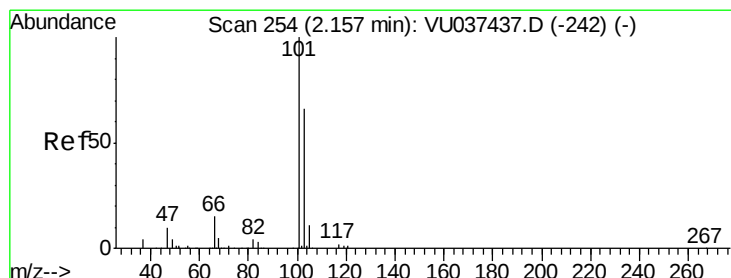
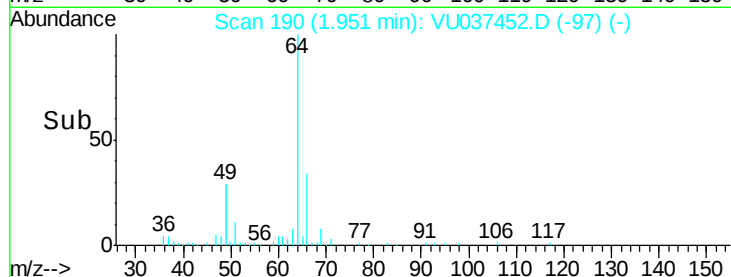
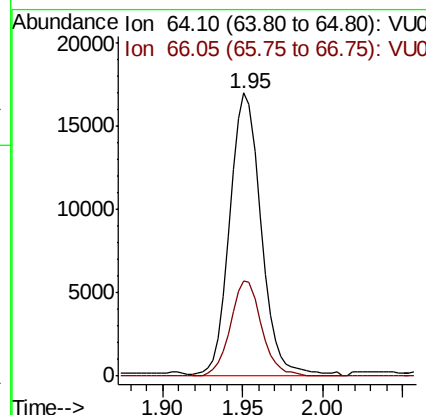
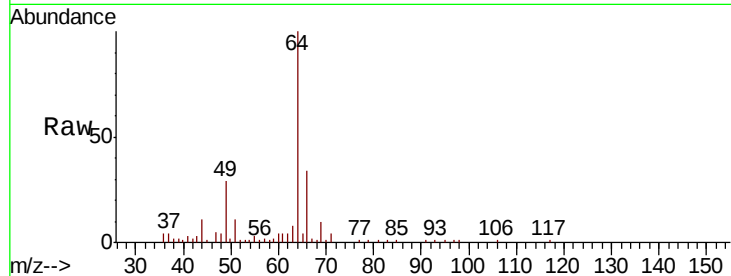




#8
Chloroethane
Concen: 5.254 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

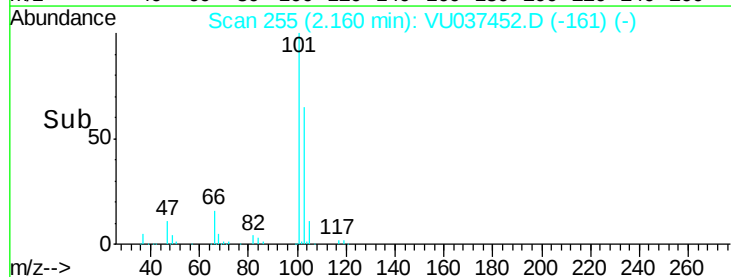
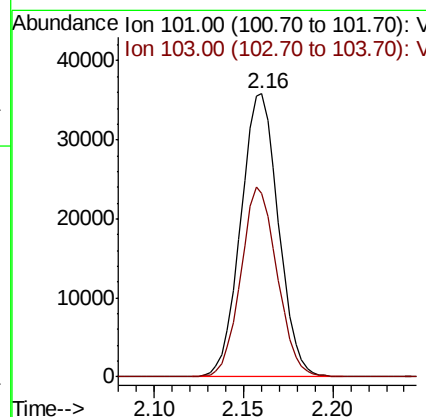
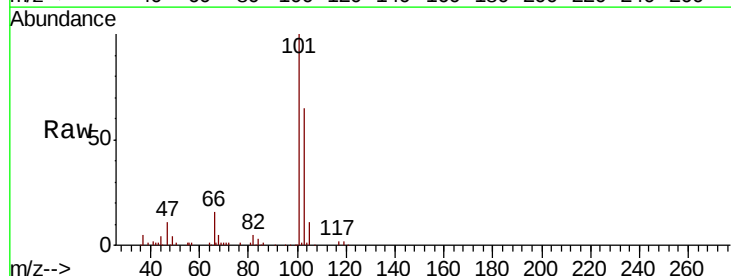
Instrument :
MSVOA_U
ClientSampleId :

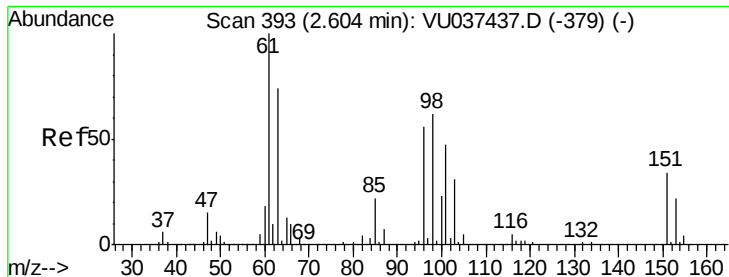
Tot Ion: 64 Resp: 22841
Ion Ratio Lower Upper
64 100
66 33.8 24.8 46.0



#9
Trichlorofluoromethane
Concen: 5.076 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion:101 Resp: 52957
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 4.571 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

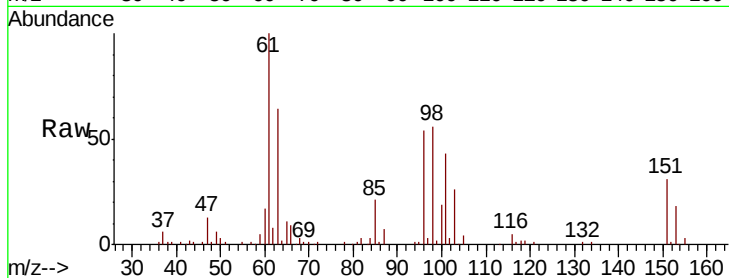
Tot Ion:101 Resp: 29056

Ion Ratio Lower Upper

101 100

85 49.8 39.0 58.6

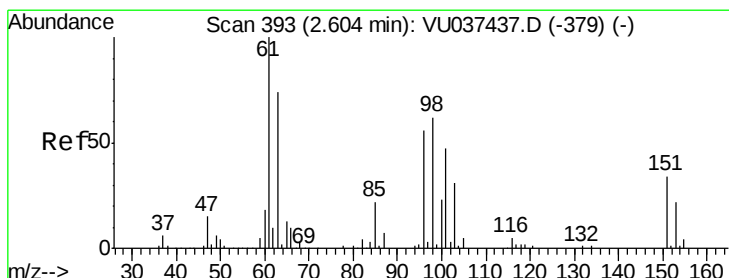
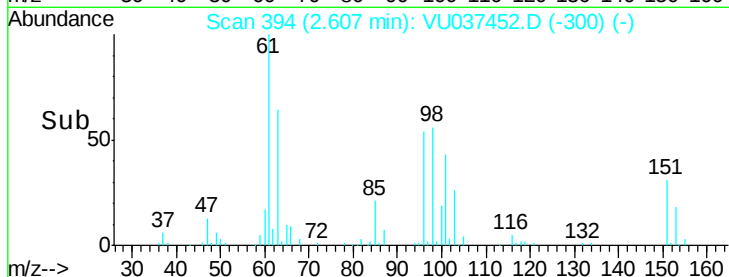
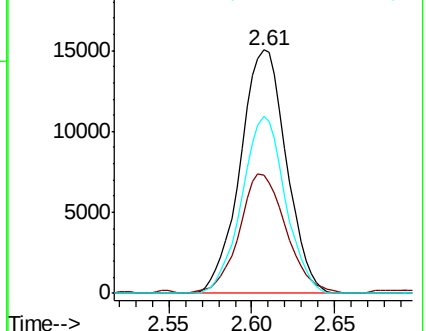
151 68.5 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.716 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

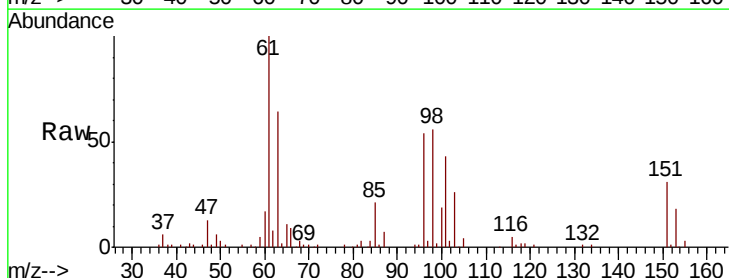
Tgt Ion: 96 Resp: 30878

Ion Ratio Lower Upper

96 100

61 184.9 125.4 232.8

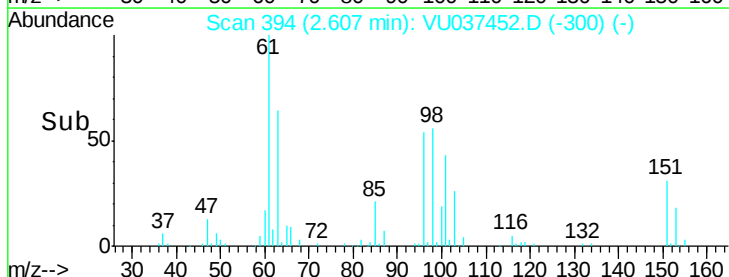
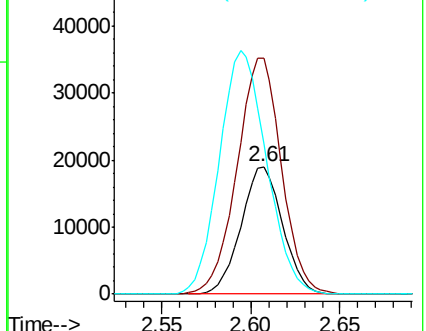
63 118.3 90.9 168.7

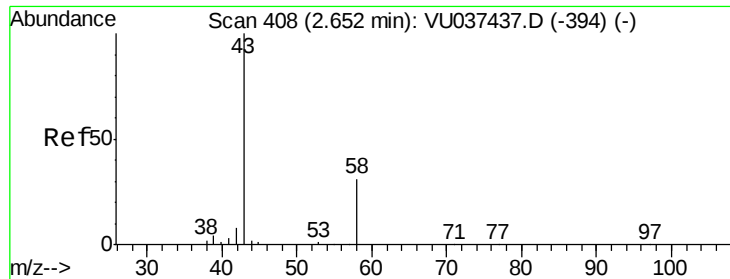


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.406 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

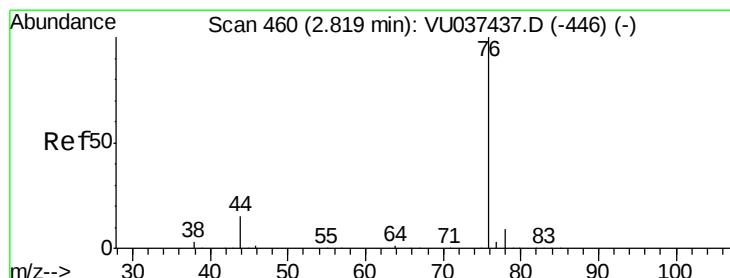
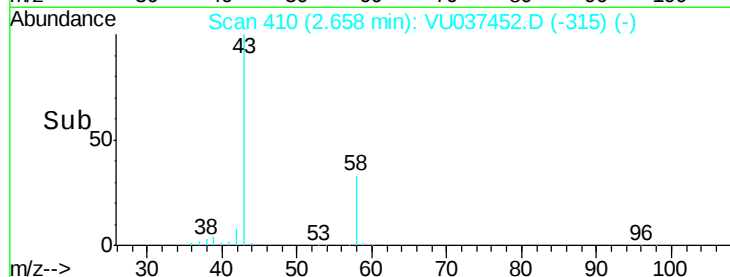
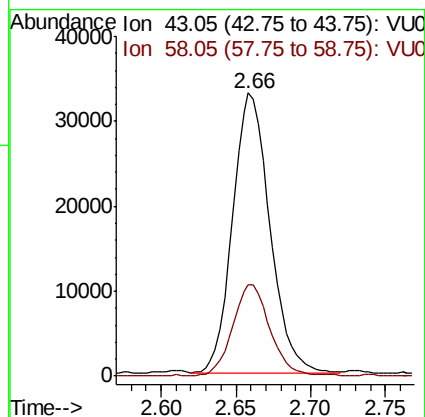
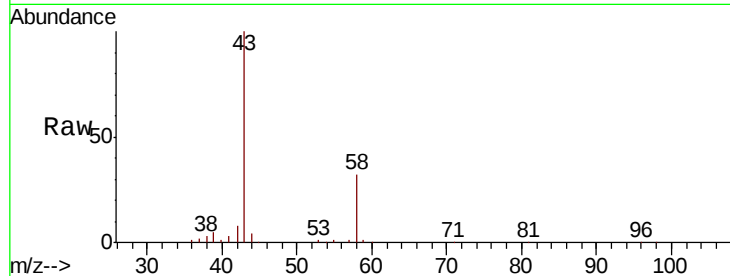
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 56858

Ion Ratio Lower Upper

43 100

58 33.3 0.0 66.0



#14

Carbon disulfide

Concen: 4.731 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037452.D

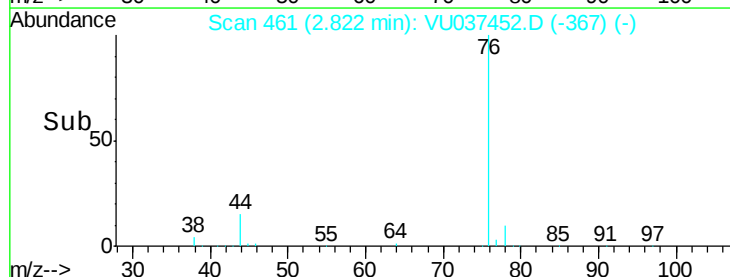
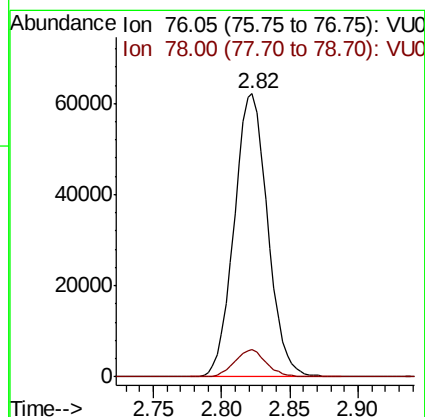
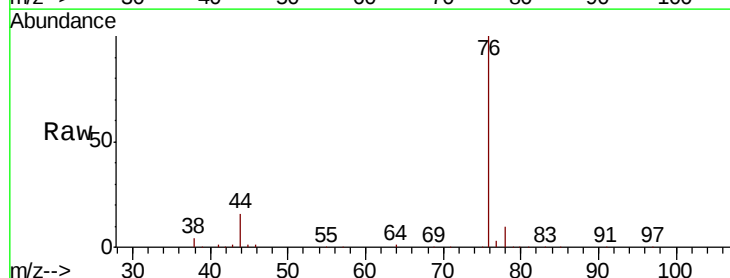
Acq: 29 Mar 2020 11:25

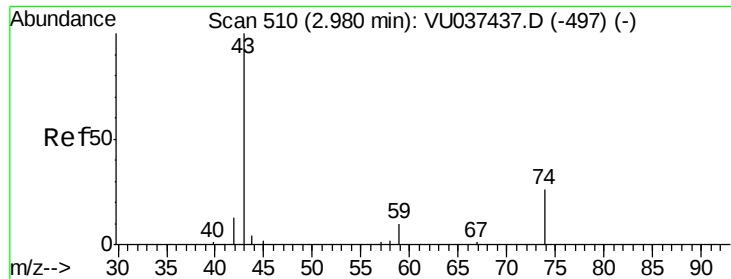
Tgt Ion: 76 Resp: 105971

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

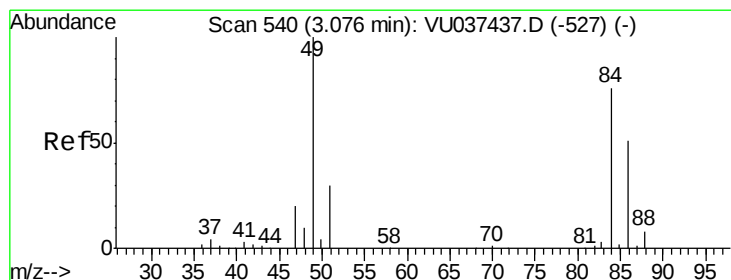
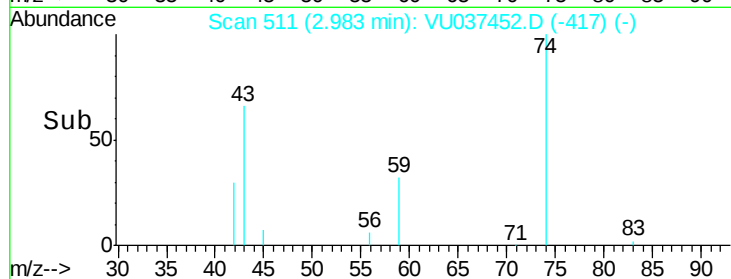
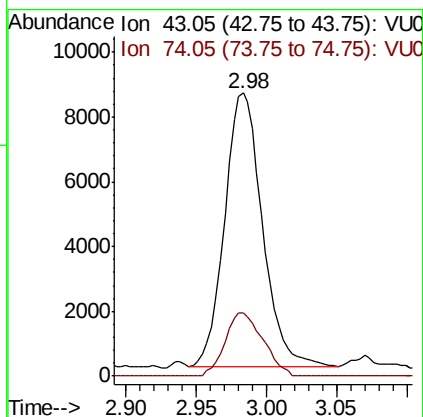
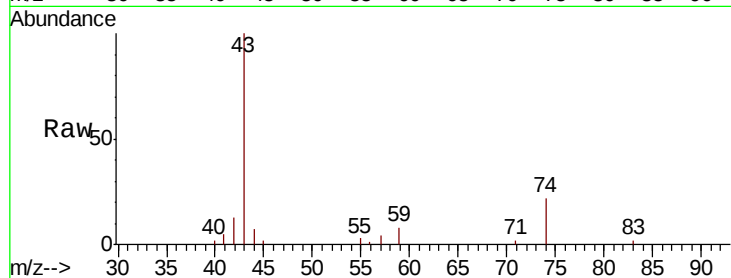




#15
Methvl Acetate
Concen: 4.890 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

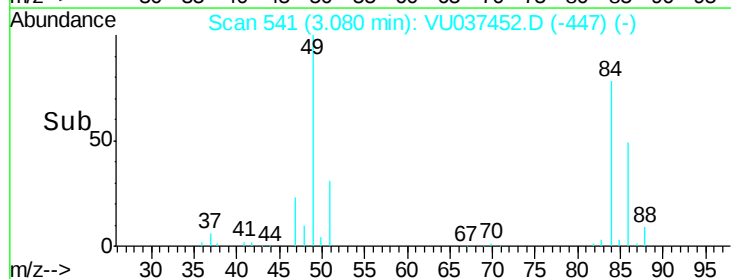
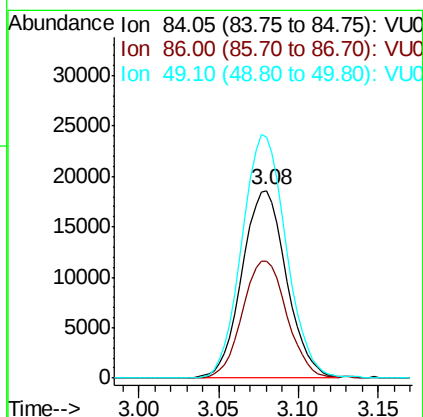
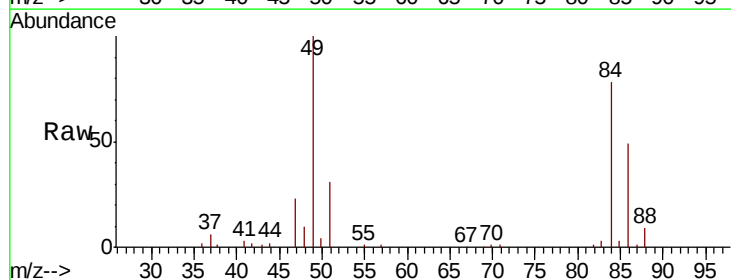
Instrument :
MSVOA_U
ClientSampleId :

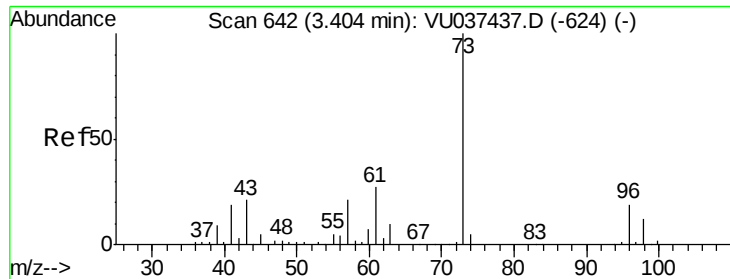
Tot Ion: 43 Resp: 15722
Ion Ratio Lower Upper
43 100
74 23.2 19.8 29.6



#16
Methylene chloride
Concen: 4.839 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion: 84 Resp: 35406
Ion Ratio Lower Upper
84 100
86 62.3 43.6 81.0
49 128.5 86.4 160.4

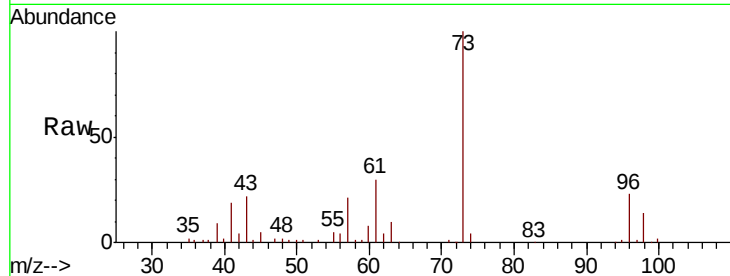




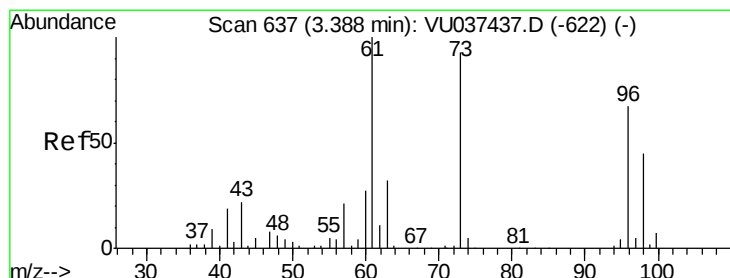
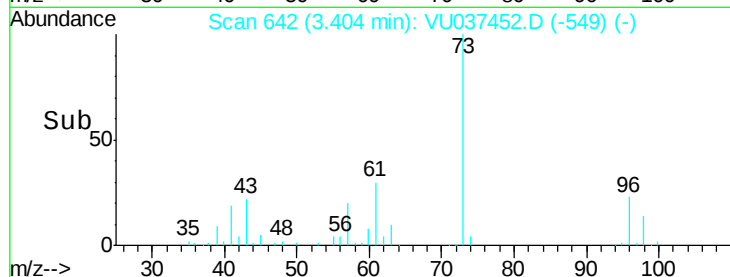
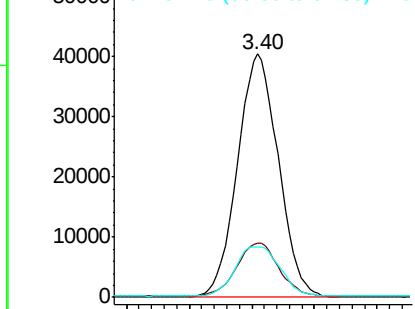
#17
Methvl tert-butvl Ether
Concen: 5.148 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 91717
Ion Ratio Lower Upper
73 100
43 22.3 17.4 26.2
57 22.2 17.3 25.9

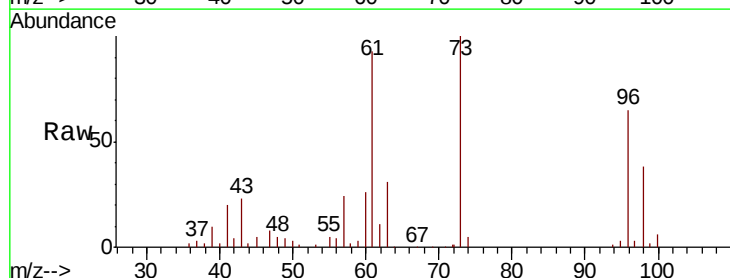


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

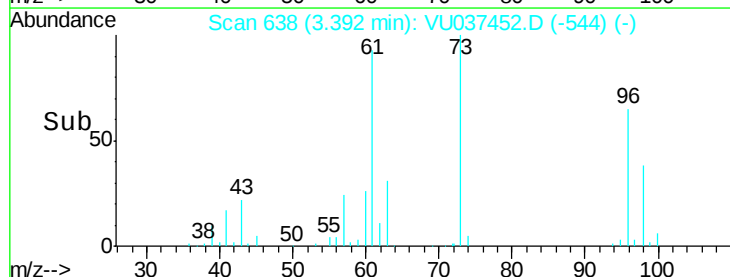
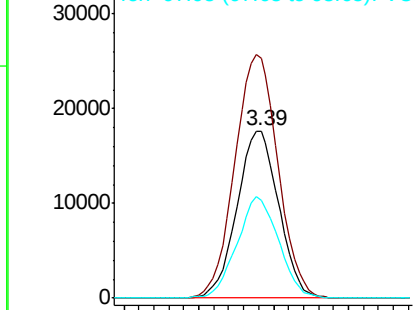


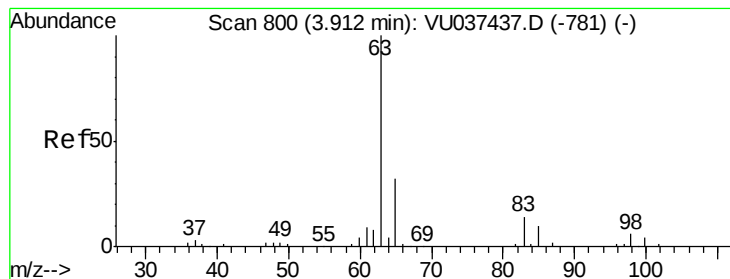
#18
trans-1,2-Dichloroethene
Concen: 4.999 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion: 96 Resp: 34225
Ion Ratio Lower Upper
96 100
61 143.1 99.9 185.5
98 58.7 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.029 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :

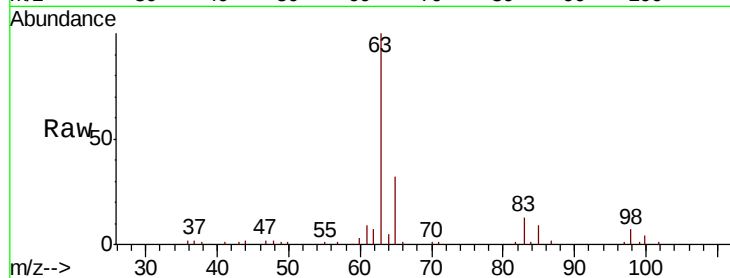
Tot Ion: 63 Resp: 64345

Ion Ratio Lower Upper

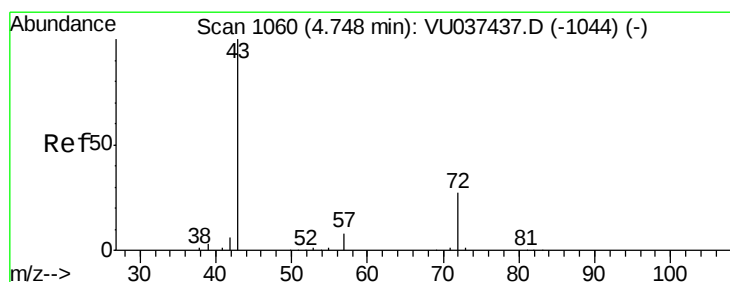
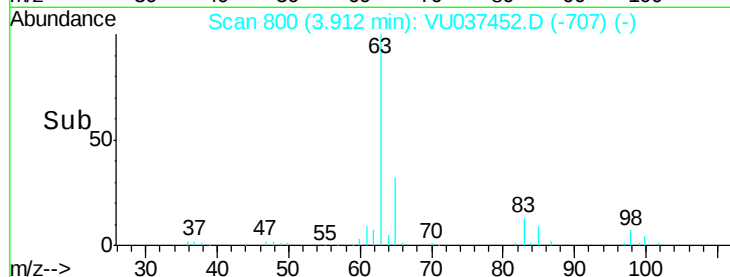
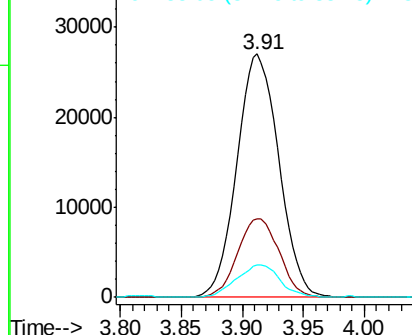
63 100

65 32.3 23.7 43.9

83 13.5 10.6 19.6



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 51.999 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037452.D

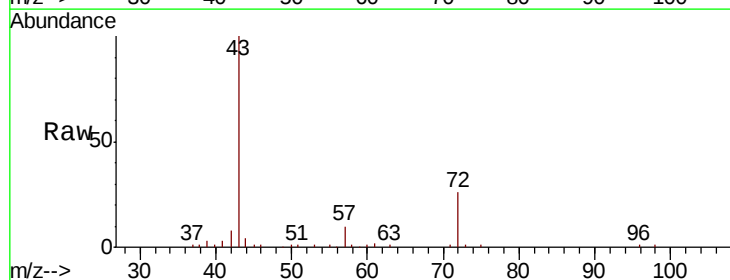
Acq: 29 Mar 2020 11:25

Tgt Ion: 43 Resp: 101732

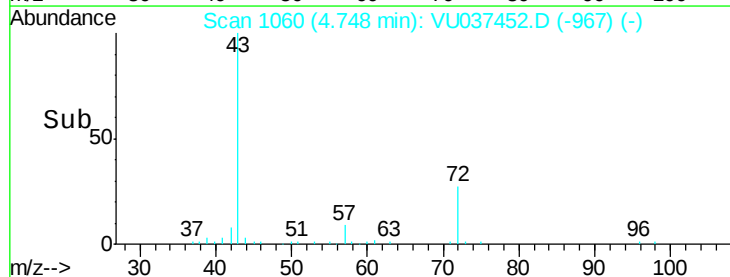
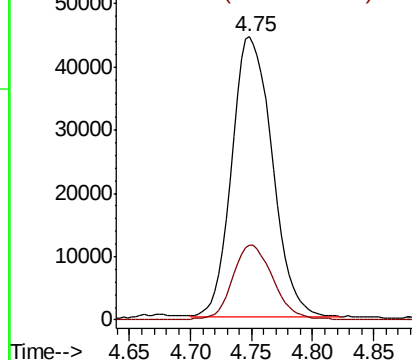
Ion Ratio Lower Upper

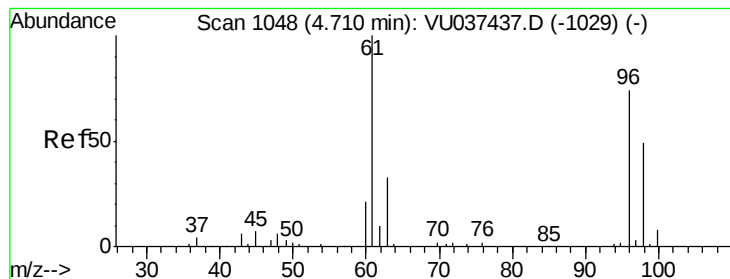
43 100

72 26.9 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.825 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

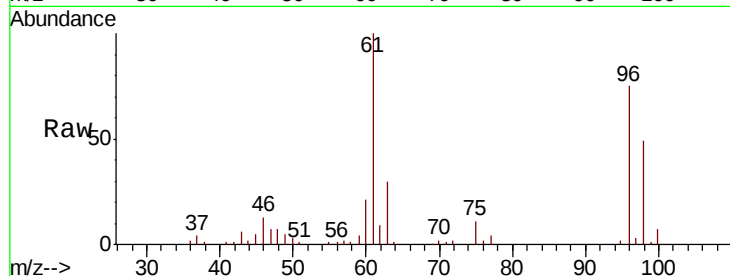
Tot Ion: 96 Resp: 37014

Ion Ratio Lower Upper

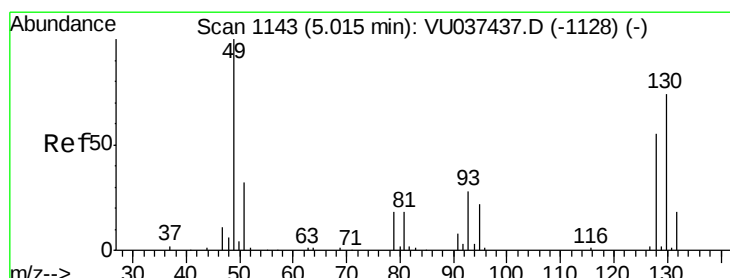
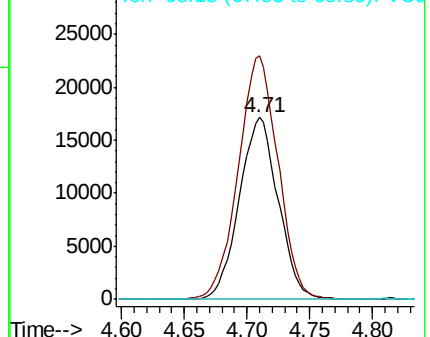
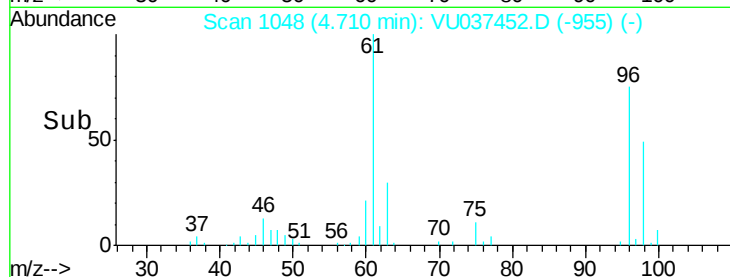
96 100

61 134.1 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037452.D (-955) (-)



#23

Bromochloromethane

Concen: 4.767 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Tgt Ion: 128 Resp: 16156

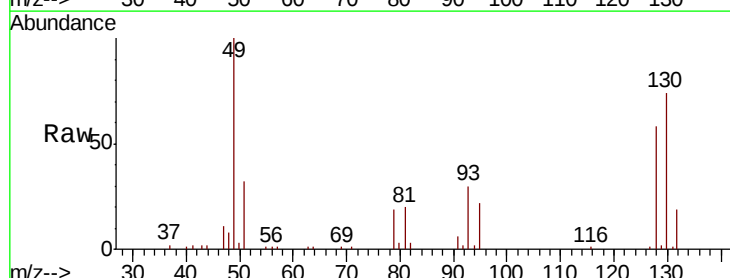
Ion Ratio Lower Upper

128 100

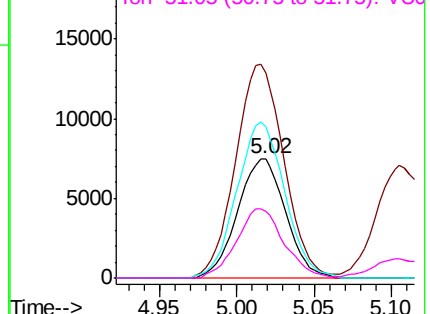
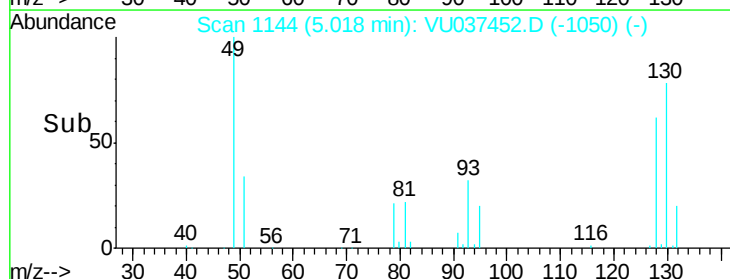
49 171.3 119.1 221.3

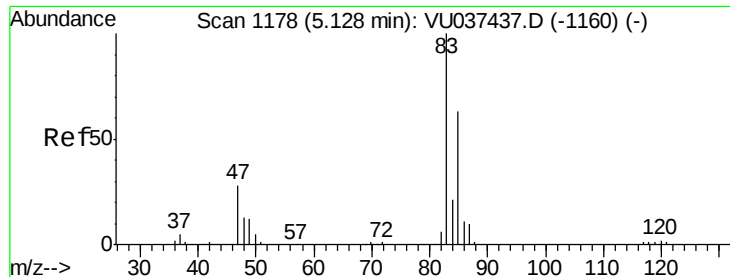
130 126.0 92.6 172.0

51 55.4 43.7 65.5



Abundance Ion 127.90 (127.60 to 128.60): VU037452.D (-1050) (-)

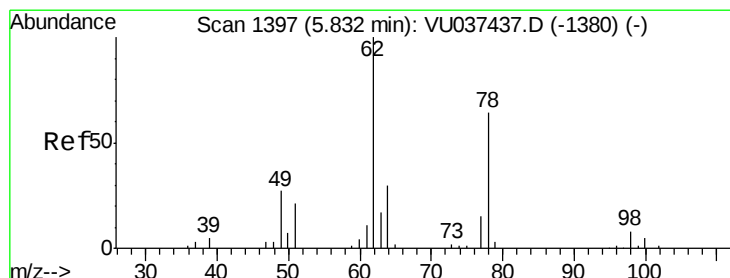
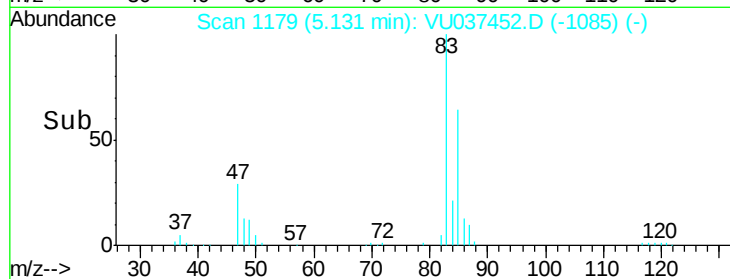
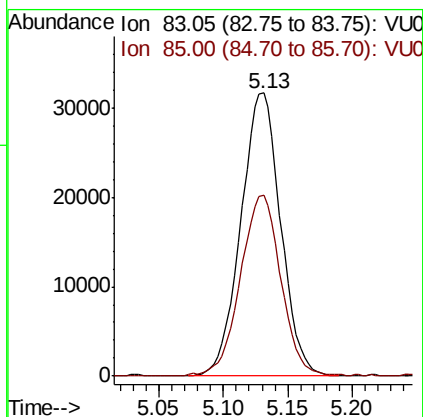
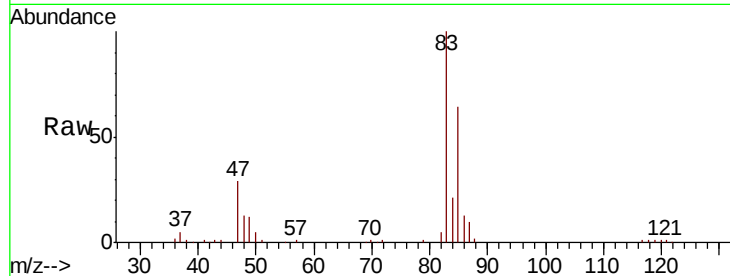




#25
Chloroform
Concen: 5.057 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

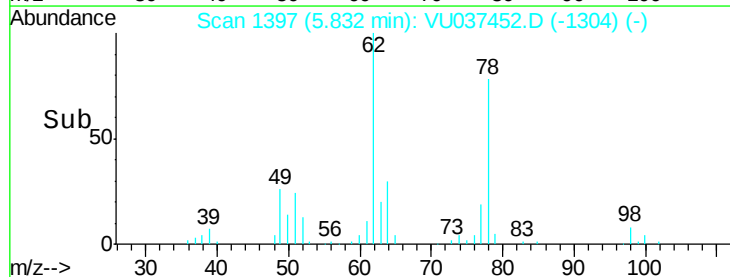
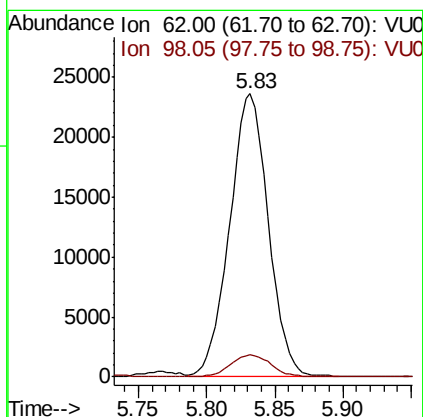
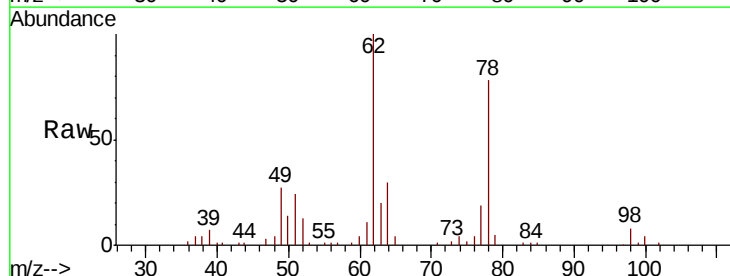
Instrument :
MSVOA_U
ClientSampleId :

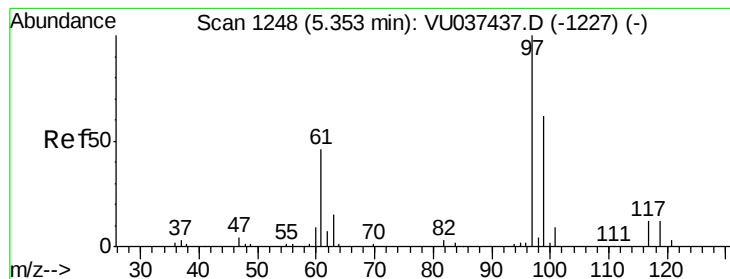
Tot Ion: 83 Resp: 68075
Ion Ratio Lower Upper
83 100
85 63.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.178 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion: 62 Resp: 46566
Ion Ratio Lower Upper
62 100
98 8.0 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 5.101 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

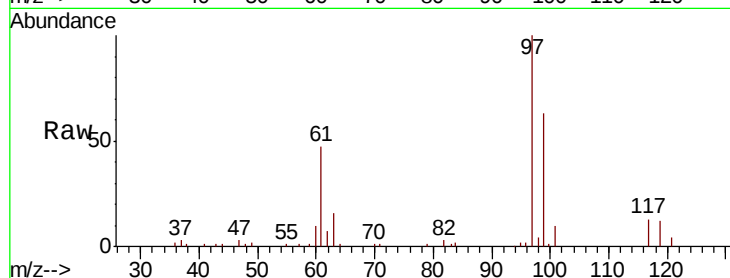
Tot Ion: 97 Resp: 60476

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

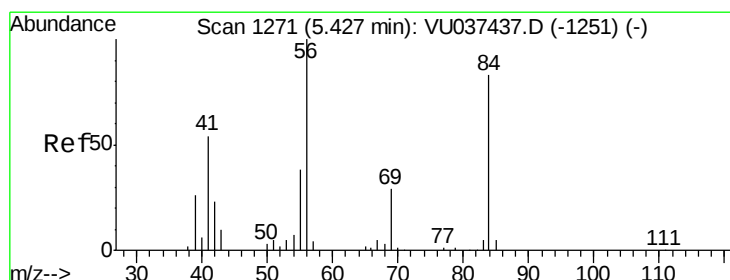
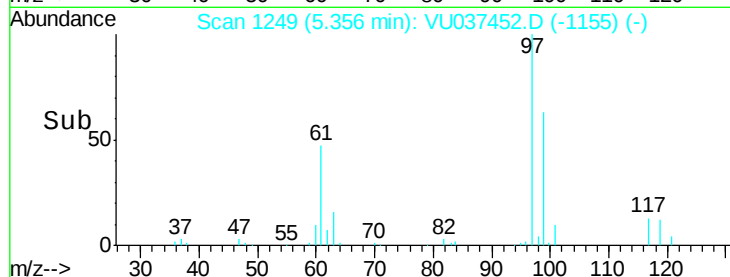
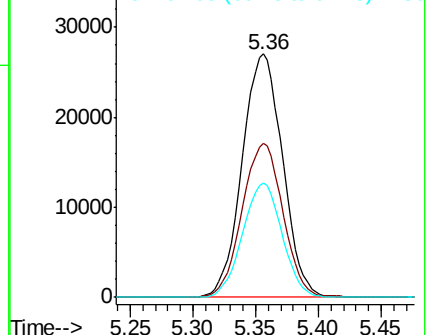
61 45.9 36.7 55.1



Abundance Ion 96.95 (96.65 to 97.65): VU037437.D (-1227) (-)

Ion 99.05 (98.75 to 99.75): VU037437.D (-1227) (-)

Ion 61.05 (60.75 to 61.75): VU037437.D (-1227) (-)



#30

Cyclohexane

Concen: 4.918 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

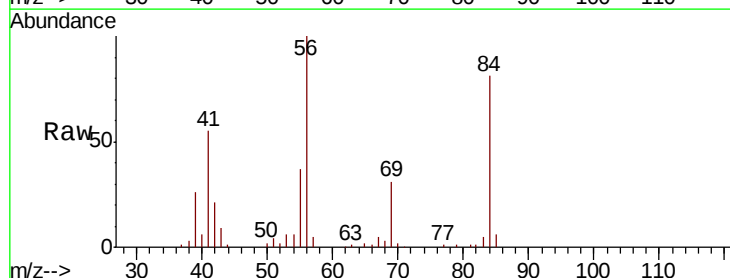
Tgt Ion: 56 Resp: 59758

Ion Ratio Lower Upper

56 100

69 31.1 25.7 38.5

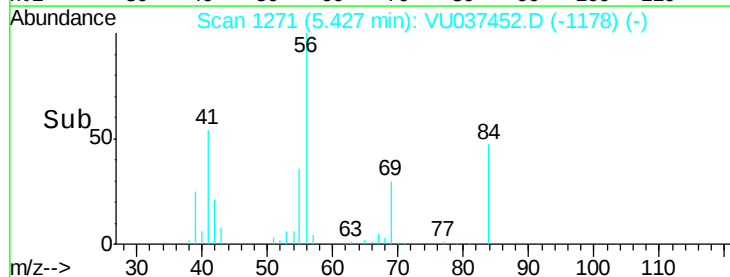
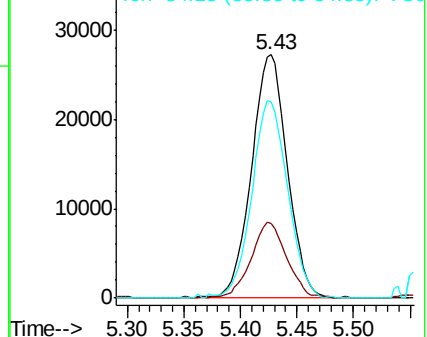
84 81.3 67.1 100.7

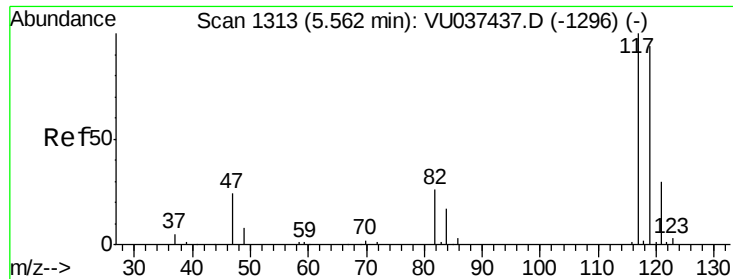


Abundance Ion 56.10 (55.80 to 56.80): VU037437.D (-1251) (-)

Ion 69.15 (68.85 to 69.85): VU037437.D (-1251) (-)

Ion 84.15 (83.85 to 84.85): VU037437.D (-1251) (-)





#31

Carbon tetrachloride

Concen: 4.790 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

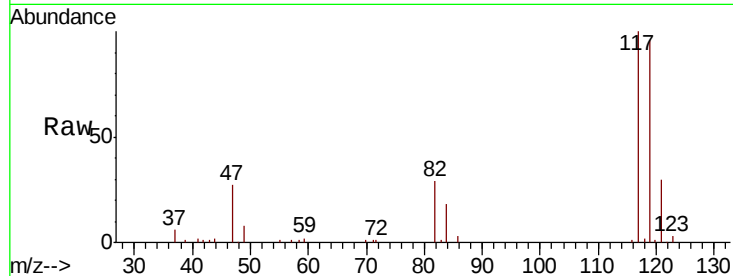
ClientSampleId :

Tot Ion:117 Resp: 49036

Ion Ratio Lower Upper

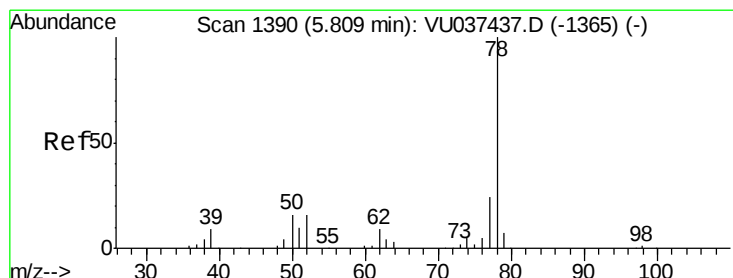
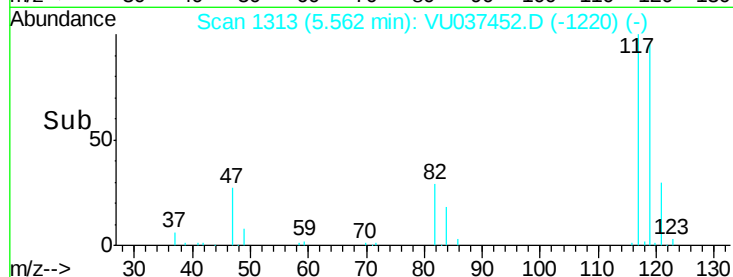
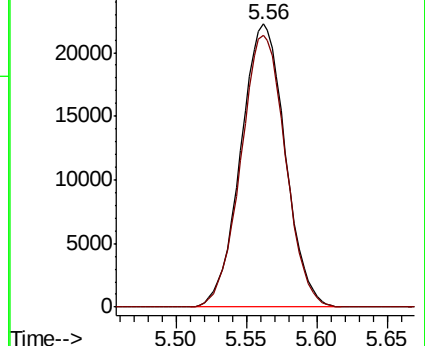
117 100

119 96.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.995 ug/L

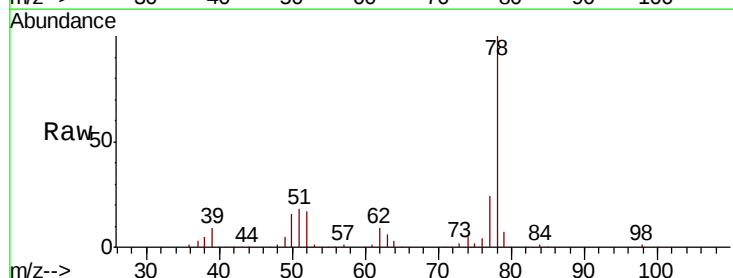
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

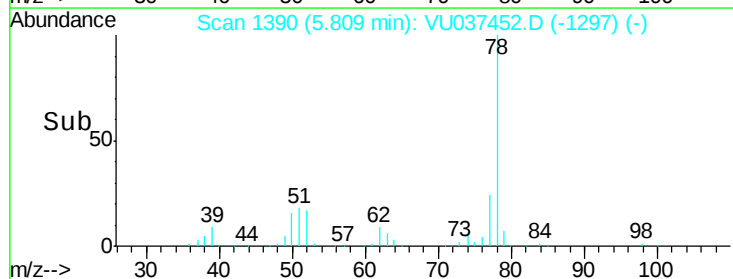
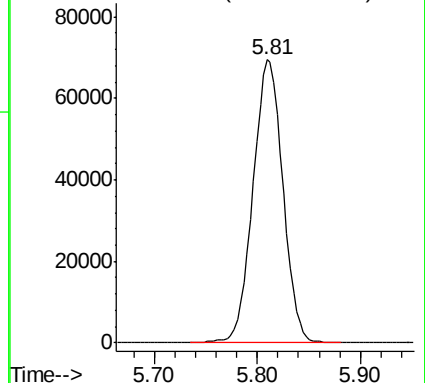
Lab File: VU037452.D

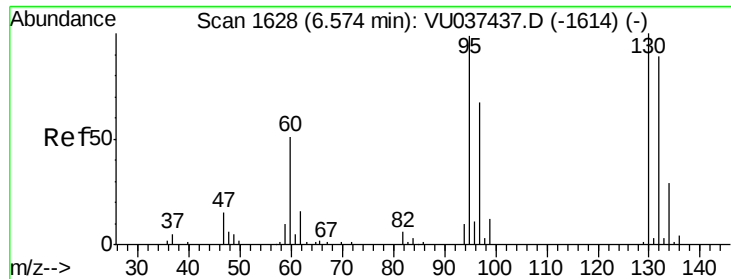
Acq: 29 Mar 2020 11:25

Tgt Ion: 78 Resp: 139524



Abundance Ion 78.10 (77.80 to 78.80): VU0

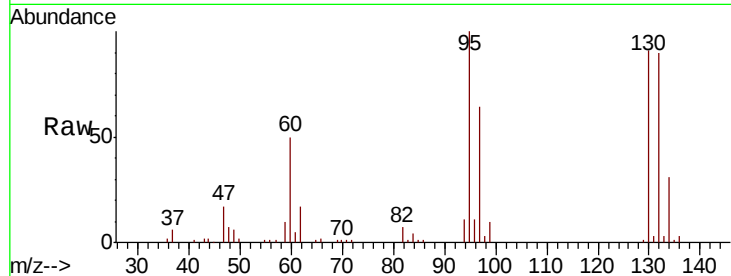




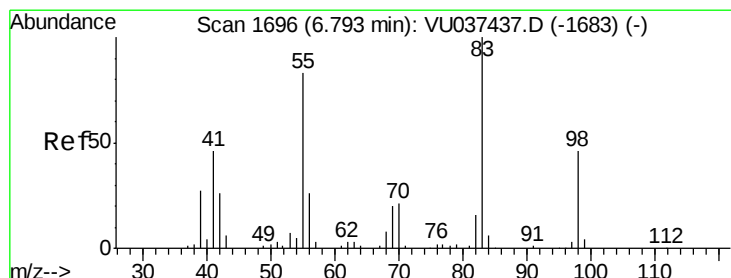
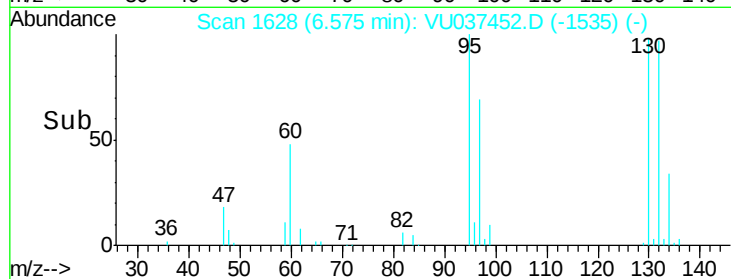
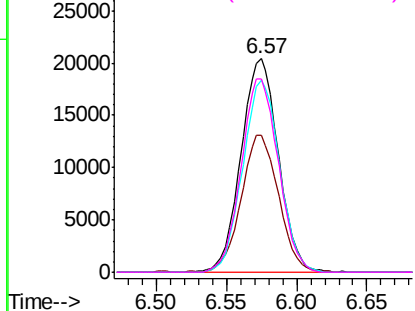
#34
 Trichloroethene
 Concen: 4.766 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 37916
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.3 84.1
 132 89.7 62.7 116.5
 130 90.5 69.1 128.3

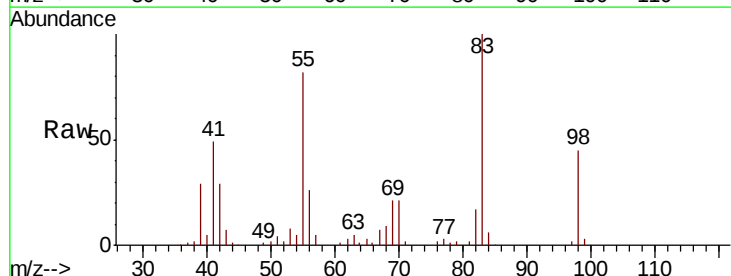


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

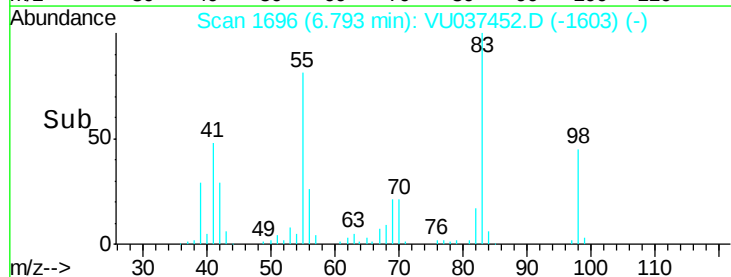
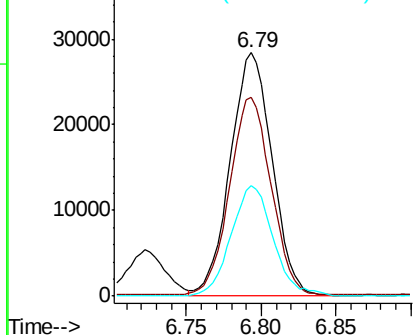


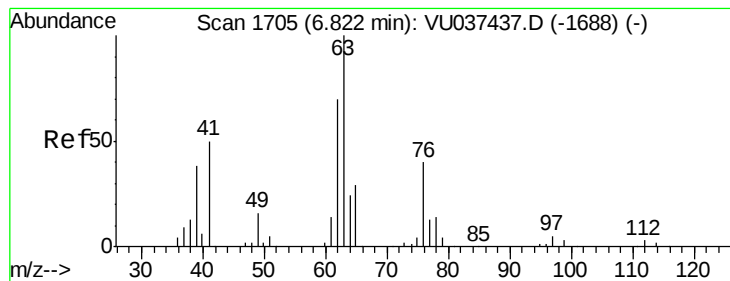
#35
 Methylcyclohexane
 Concen: 4.403 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Tgt Ion: 83 Resp: 55439
 Ion Ratio Lower Upper
 83 100
 55 80.5 64.2 96.4
 98 45.6 36.3 54.5



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.077 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

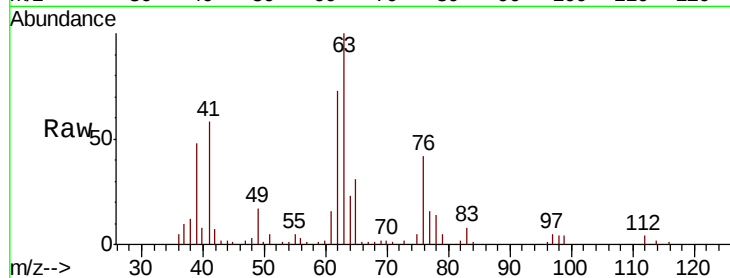
ClientSampleId :

Tot Ion: 63 Resp: 36664

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU037437.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU037437.D (-1688) (-)

20000

15000

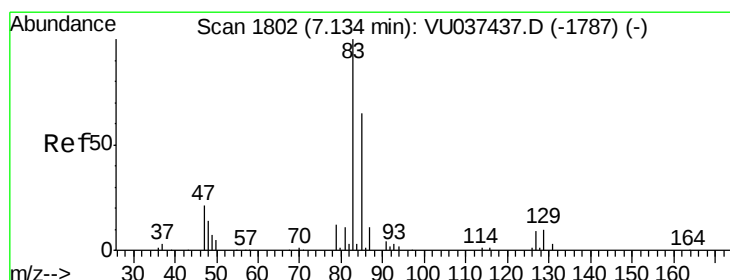
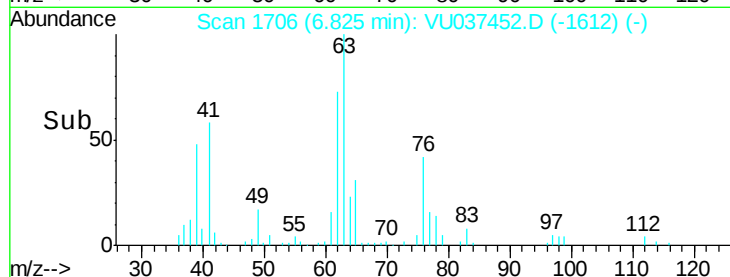
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.233 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

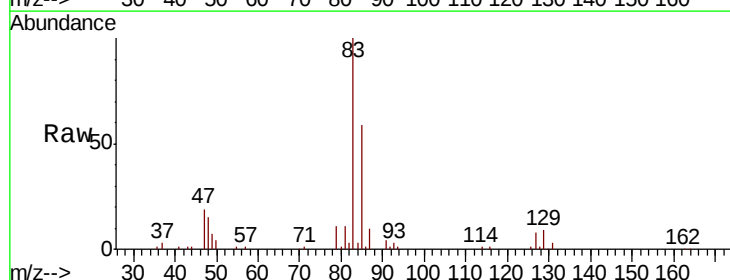
Tgt Ion: 83 Resp: 51684

Ion Ratio Lower Upper

83 100

85 59.2 42.4 78.8

127 8.4 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU037437.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU037437.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU037437.D (-1787) (-)

30000

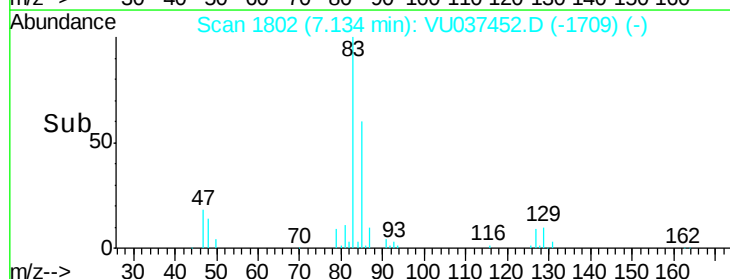
20000

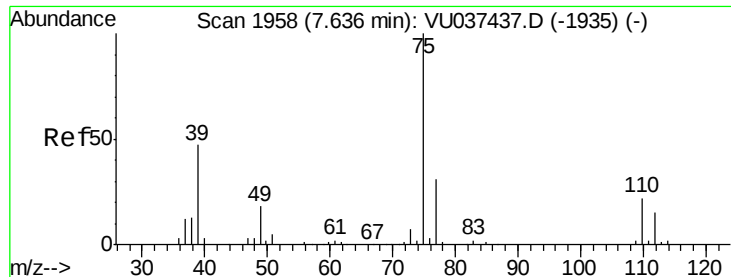
10000

0

7.05 7.10 7.15 7.20

Time-->



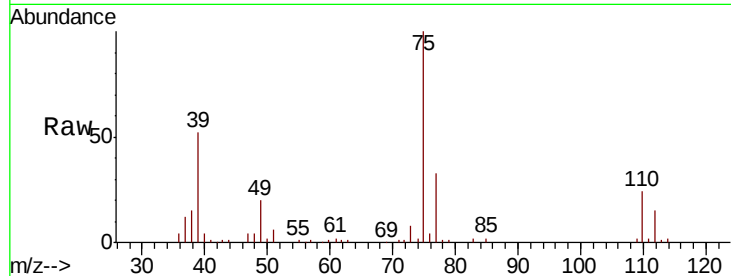


#39

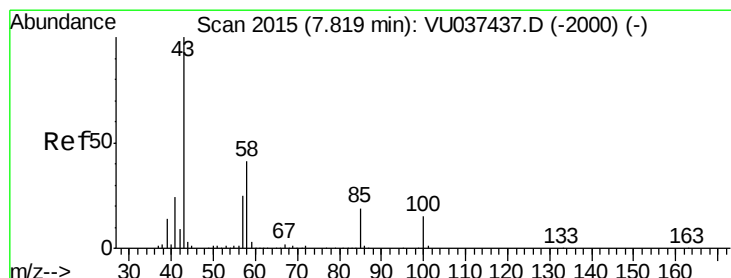
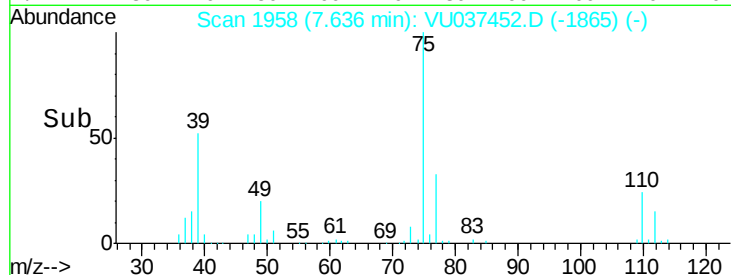
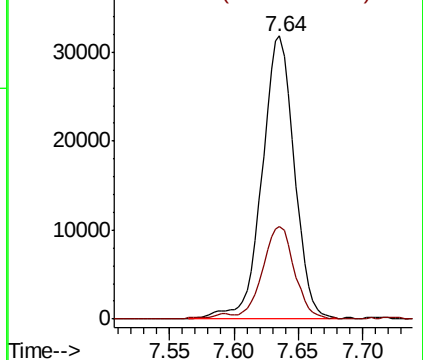
cis-1,3-Dichloropropene
 Concen: 4.728 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 55678
 Ion Ratio Lower Upper
 75 100
 77 32.9 21.1 39.3



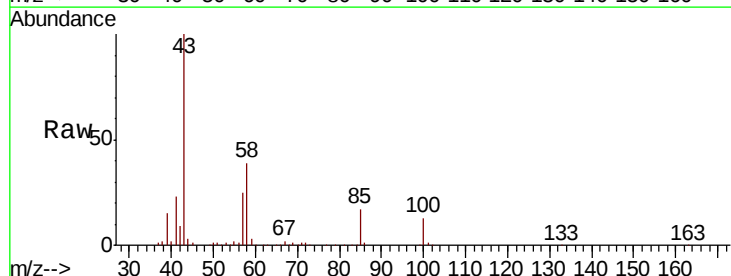
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



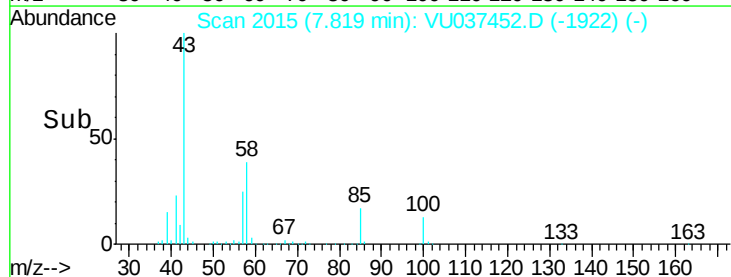
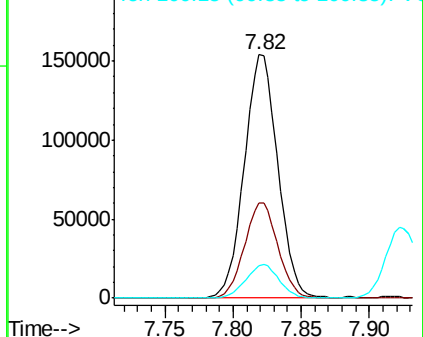
#40

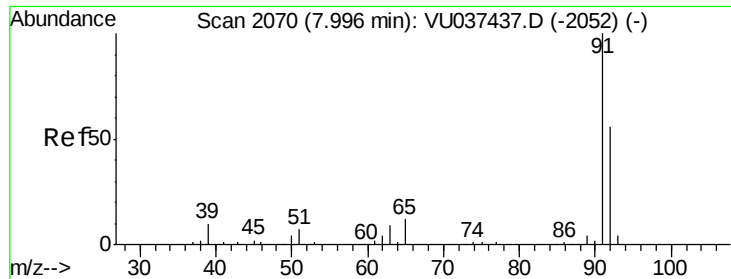
4-Methyl-2-pentanone
 Concen: 54.370 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Tgt Ion: 43 Resp: 261405
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.1 48.1
 100 13.7 11.6 17.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 4.970 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

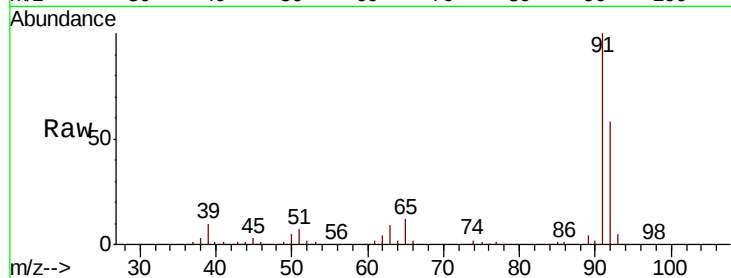
ClientSampleId :

Tot Ion: 91 Resp: 149611

Ion Ratio Lower Upper

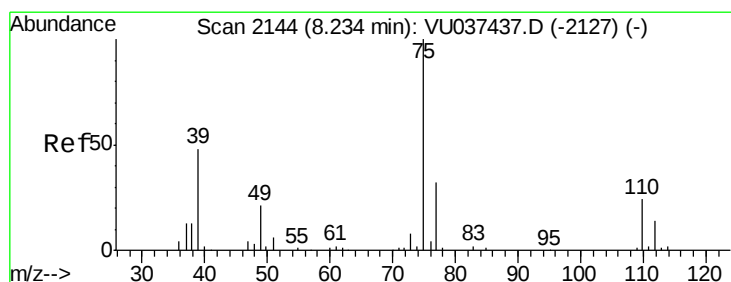
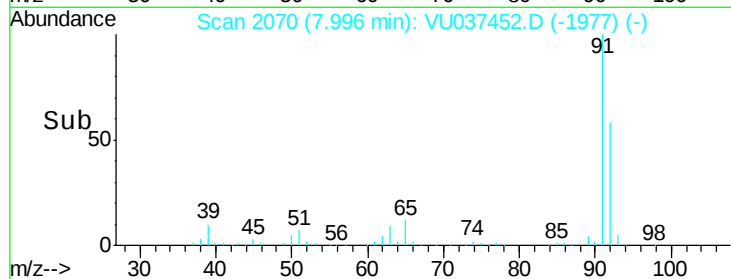
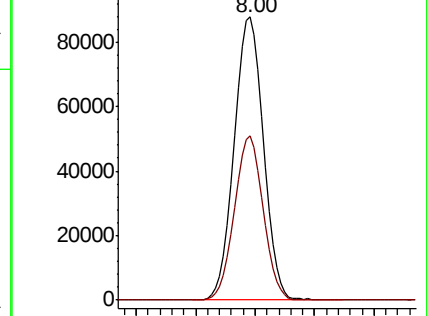
91 100

92 57.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037437.D (-2052) (-)

Ion 92.15 (91.85 to 92.85): VU037437.D (-2052) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.820 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037452.D

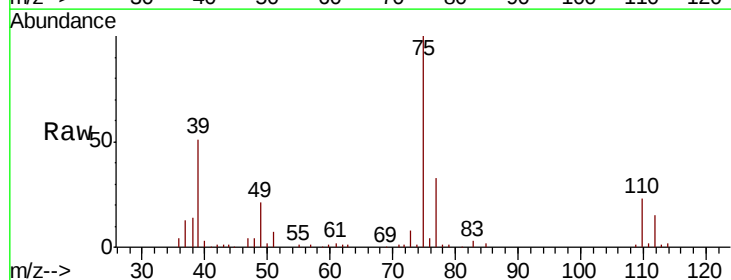
Acq: 29 Mar 2020 11:25

Tgt Ion: 75 Resp: 50746

Ion Ratio Lower Upper

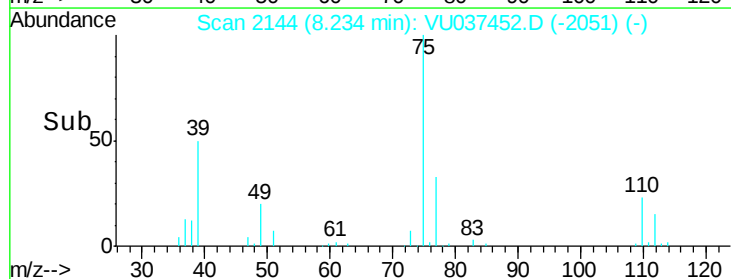
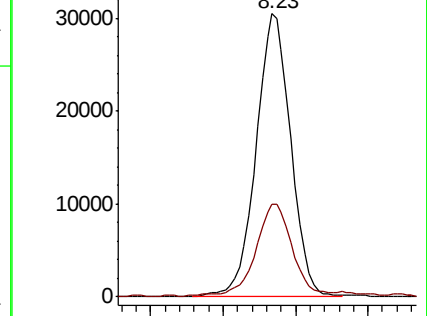
75 100

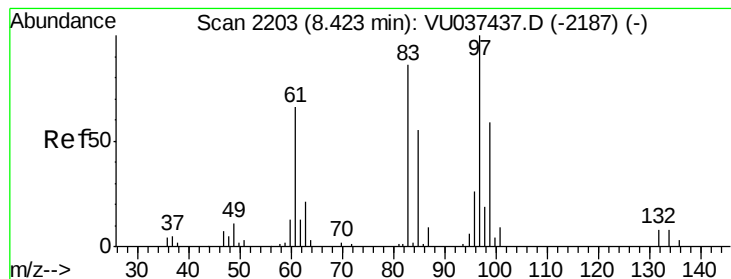
77 32.9 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU037437.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037437.D (-2127) (-)





#45

1,1,2-Trichloroethane

Concen: 4.944 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 26701

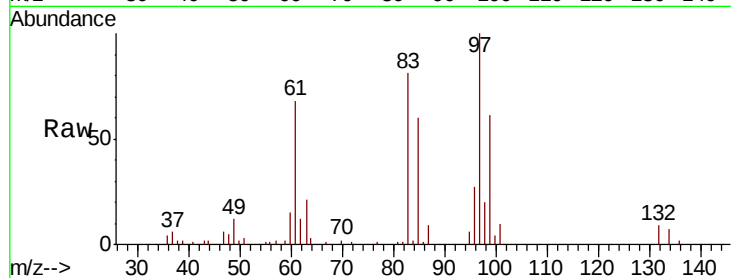
Ion Ratio Lower Upper

97 100

99 61.2 41.1 76.3

83 81.2 58.7 108.9

85 60.0 38.2 71.0



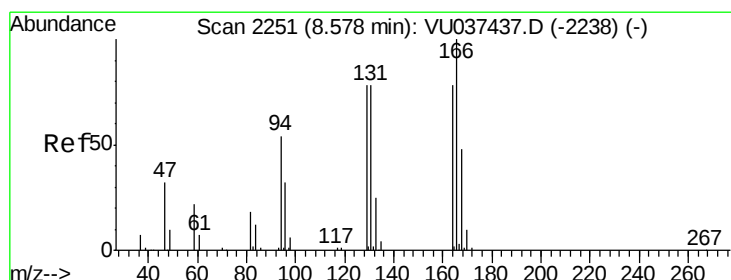
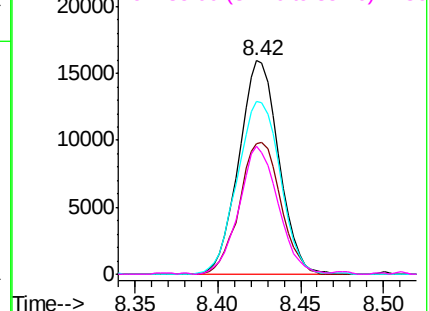
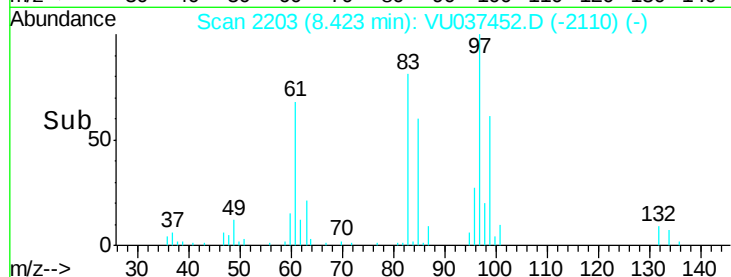
Abundance

Ion 96.95 (96.65 to 97.65): VU037452.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU037452.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU037452.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037452.D (-2110) (-)



#47

Tetrachloroethene

Concen: 4.544 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Tgt Ion: 164 Resp: 24903

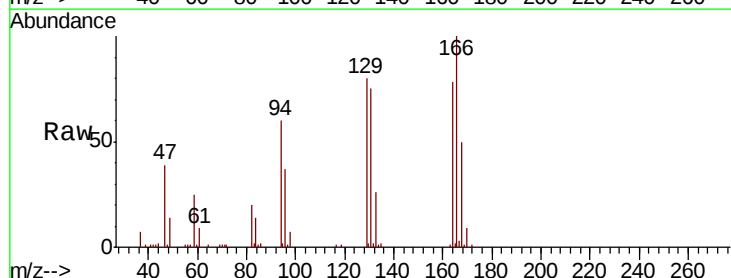
Ion Ratio Lower Upper

164 100

129 103.6 68.8 127.8

131 96.8 66.9 124.3

166 128.7 86.3 160.3



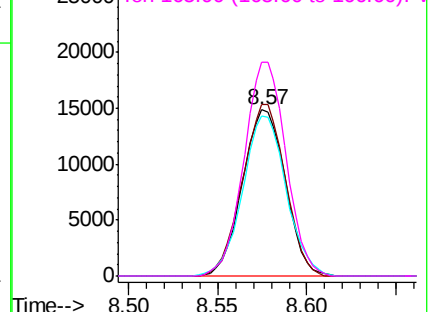
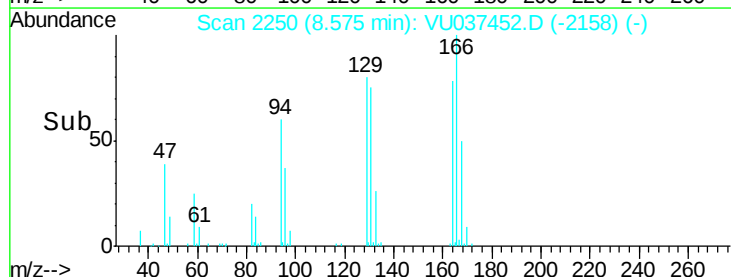
Abundance

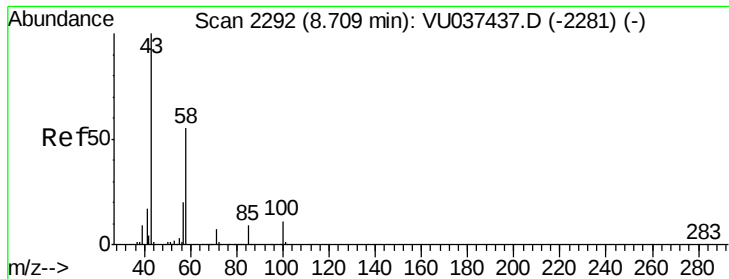
Ion 163.90 (163.60 to 164.60): VU037452.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU037452.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU037452.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU037452.D (-2158) (-)

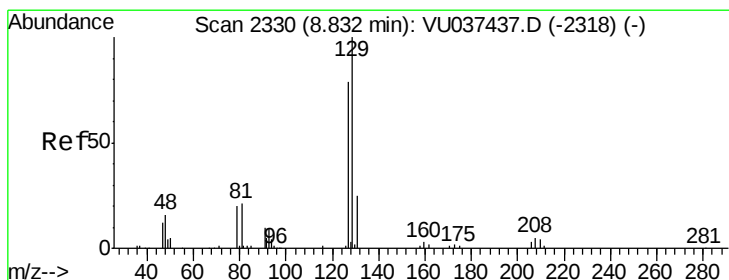
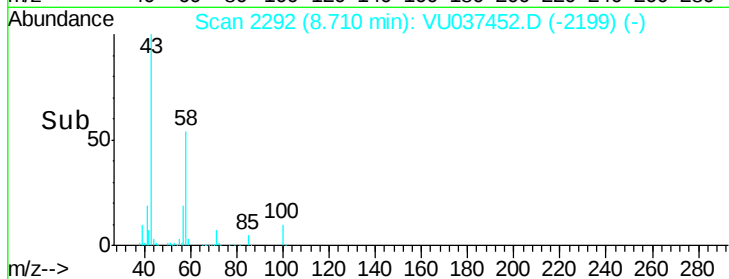
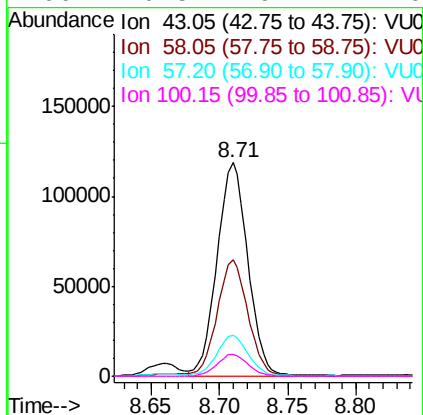
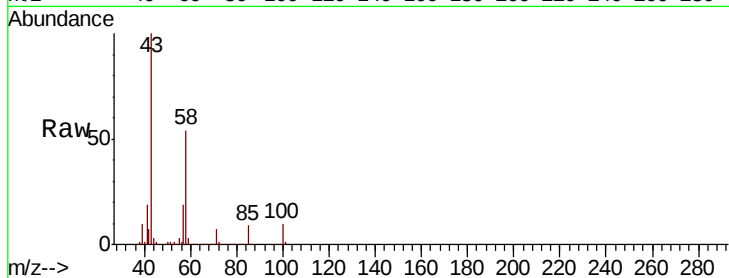




#48
2-Hexanone
Concen: 53.580 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

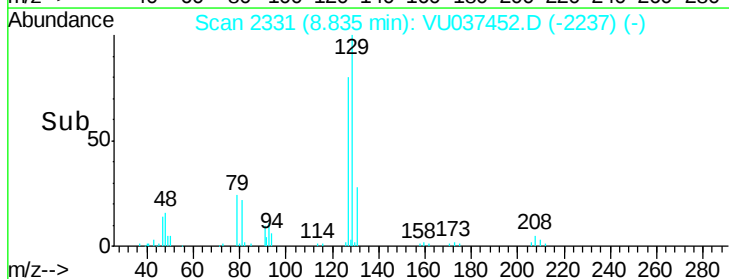
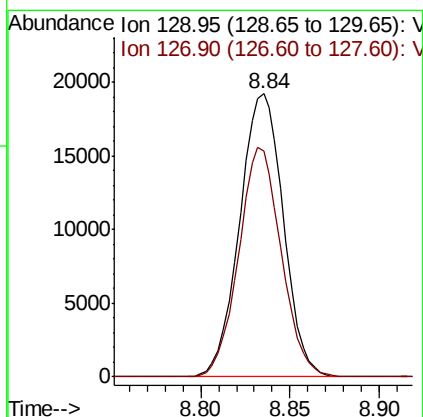
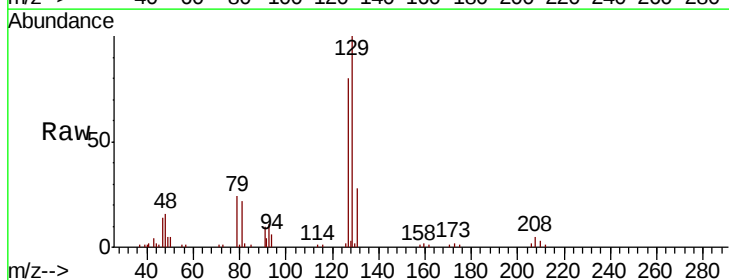
Instrument :
MSVOA_U
ClientSampleId :

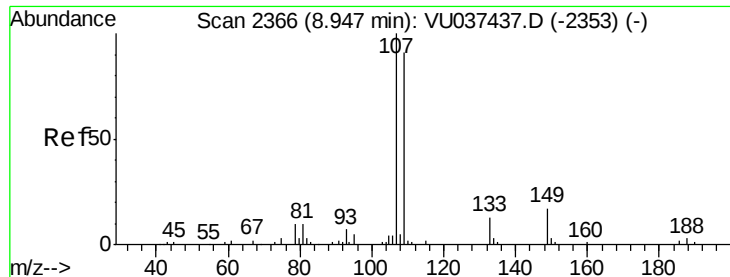
Tot Ion:	43	Resp:	185681
Ion	Ratio	Lower	Upper
43	100		
58	54.7	44.2	66.2
57	19.2	15.3	22.9
100	10.5	9.4	14.0



#49
Dibromochloromethane
Concen: 4.930 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion:	129	Resp:	32863
Ion	Ratio	Lower	Upper
129	100		
127	79.8	53.5	99.3

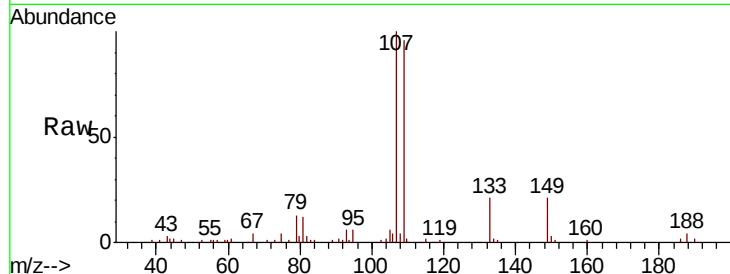




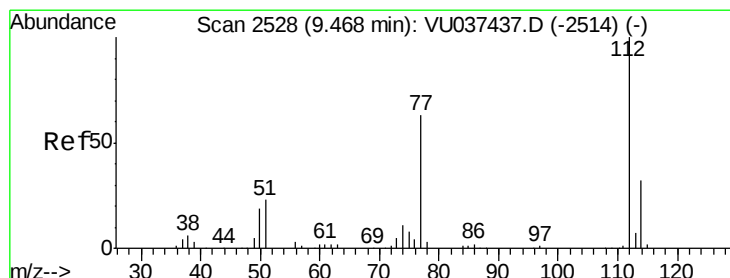
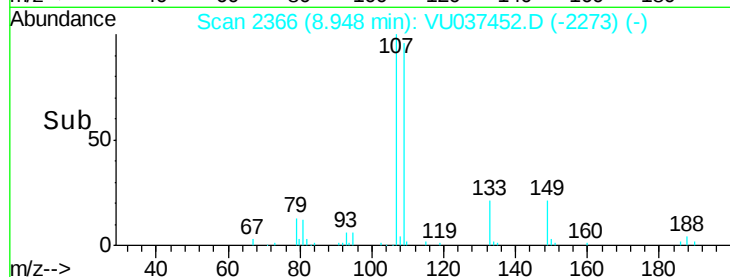
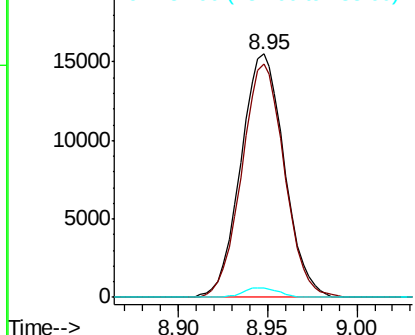
#50
1,2-Dibromoethane
Concen: 5.053 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 26492
Ion Ratio Lower Upper
107 100
109 96.1 64.8 120.4
188 3.7 2.6 4.0

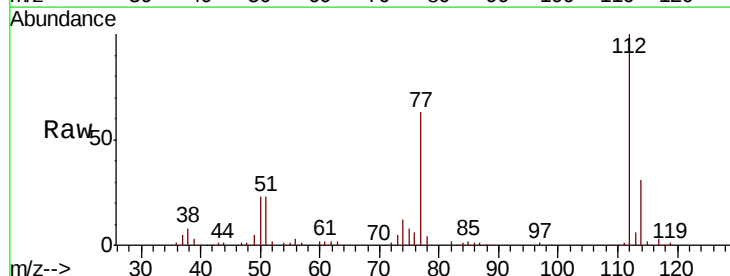


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

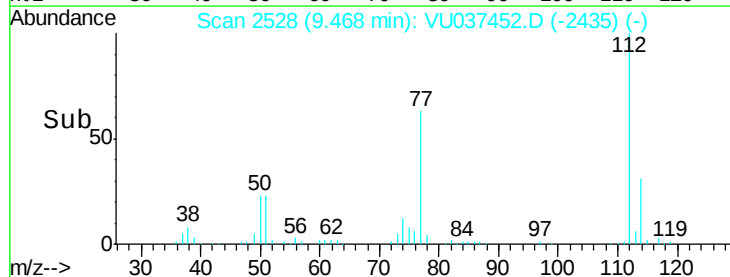
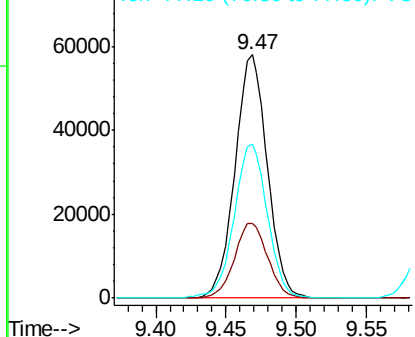


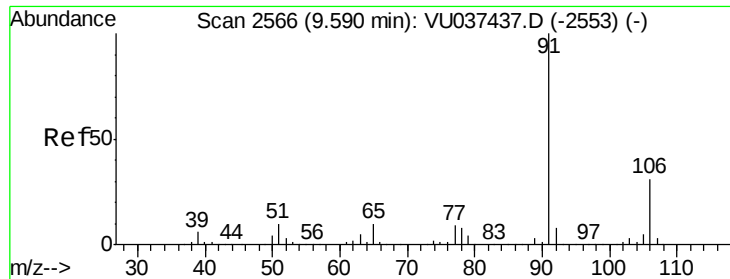
#51
Chlorobenzene
Concen: 4.477 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion:112 Resp: 93115
Ion Ratio Lower Upper
112 100
114 30.9 22.4 41.6
77 63.3 50.5 75.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.927 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

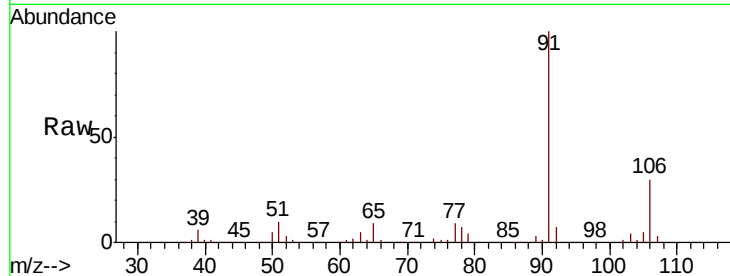
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 170235

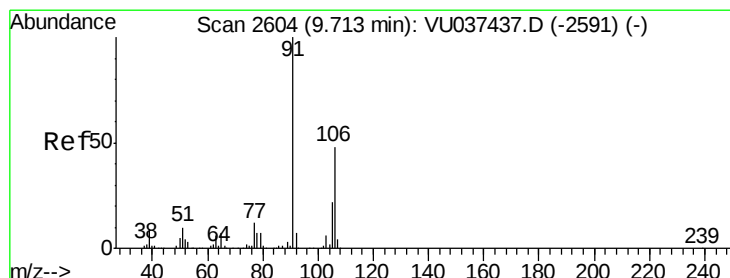
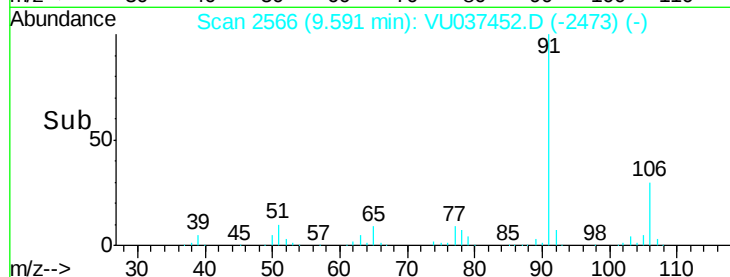
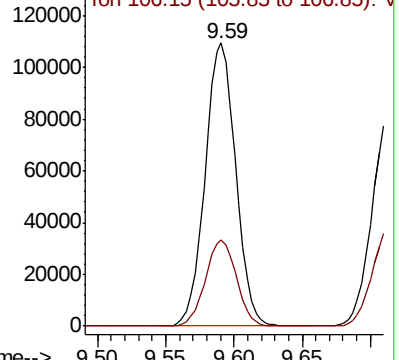
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU037437.D (-2553) (-)



#53

m,p-Xylene

Concen: 4.747 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037452.D

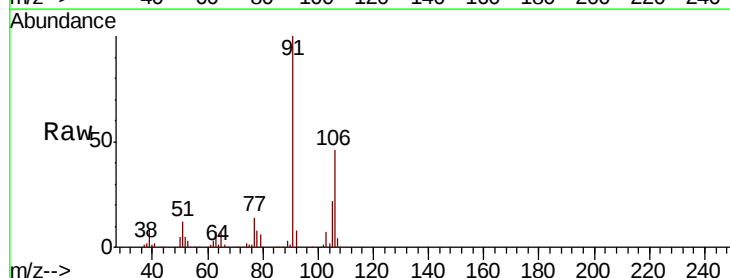
Acq: 29 Mar 2020 11:25

Tgt Ion: 106 Resp: 61967

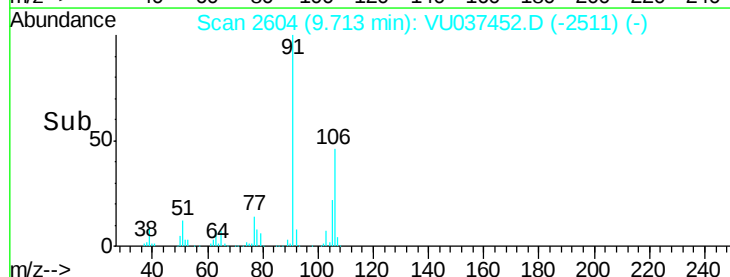
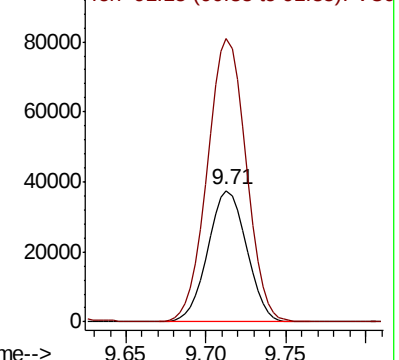
Ion Ratio Lower Upper

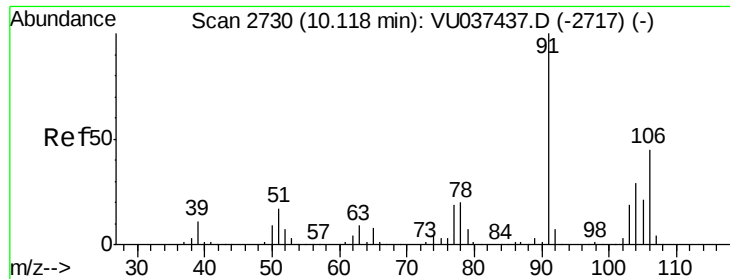
106 100

91 215.8 147.3 273.6



Abundance Ion 106.15 (105.85 to 106.85): VU037437.D (-2591) (-)

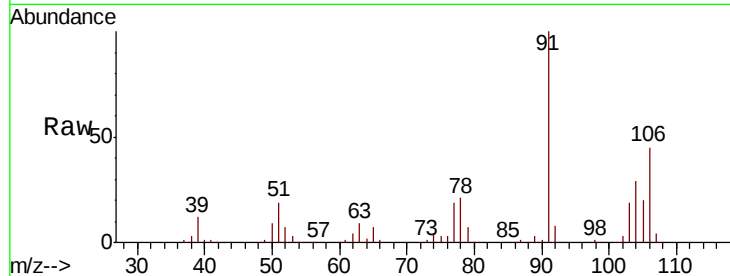




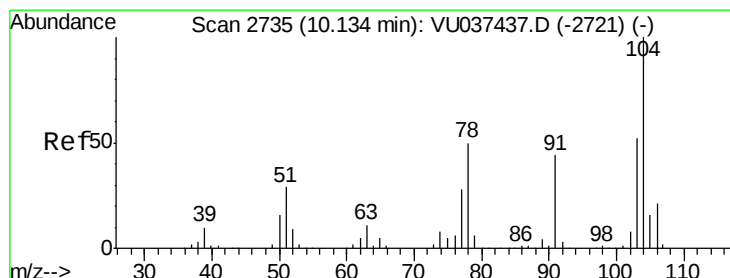
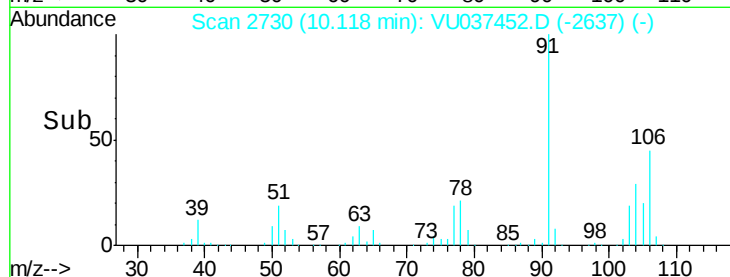
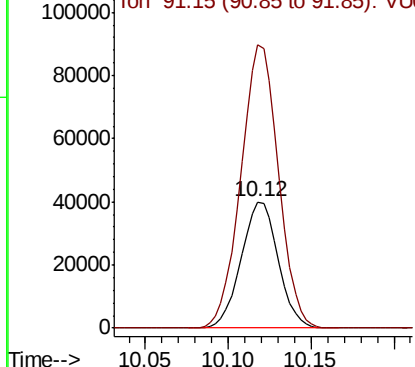
#54
o-Xylene
Concen: 4.882 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 62201
Ion Ratio Lower Upper
106 100
91 224.5 157.7 292.9

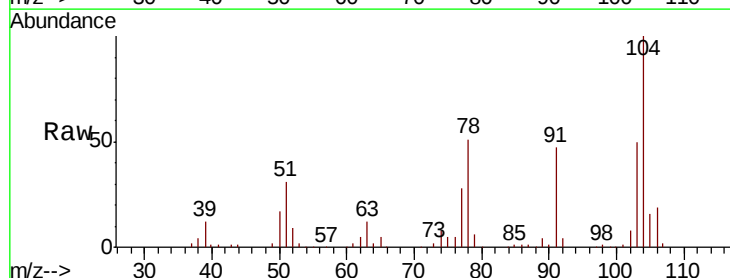


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

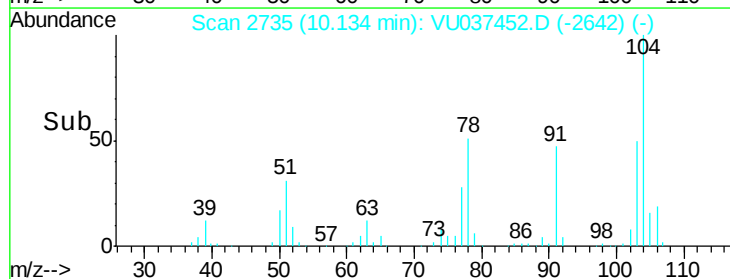
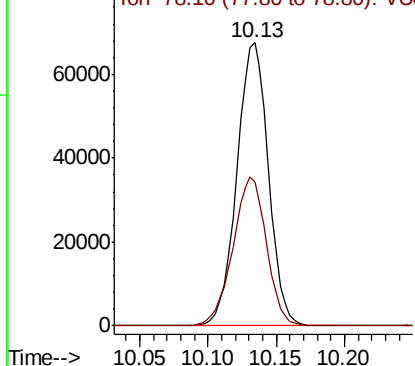


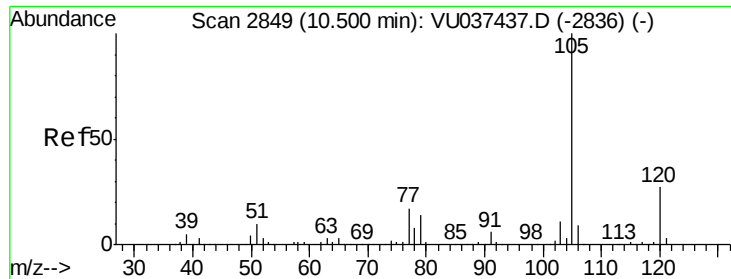
#55
Styrene
Concen: 4.973 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion:104 Resp: 108270
Ion Ratio Lower Upper
104 100
78 50.8 35.8 66.6



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





#56

Isopropylbenzene

Concen: 4.894 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

ClientSampled :

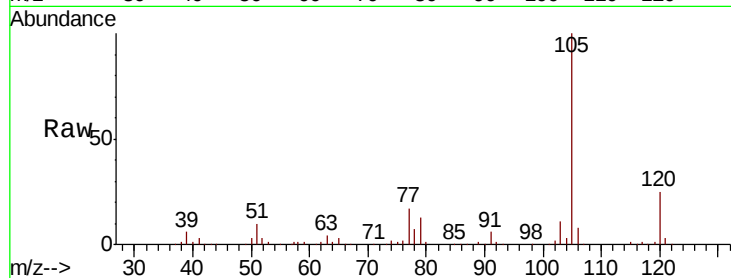
Tot Ion:105 Resp: 166140

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.4

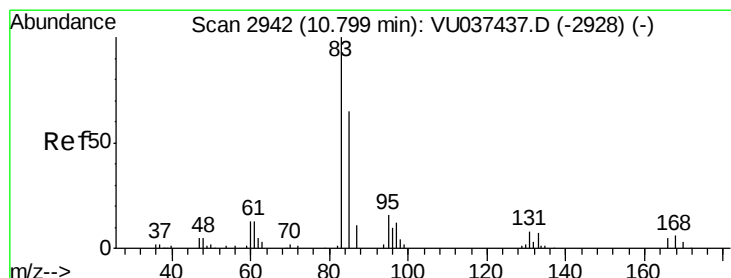
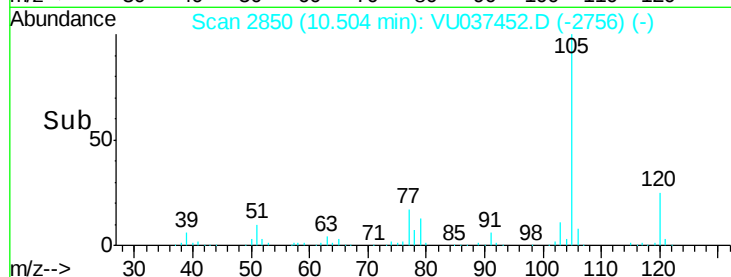
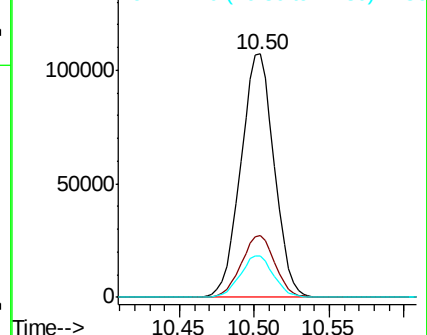
77 17.0 13.4 20.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.157 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

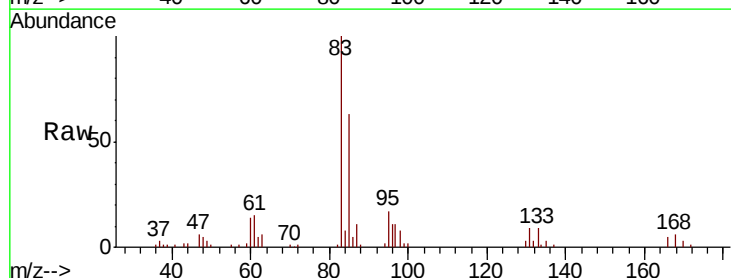
Tgt Ion: 83 Resp: 35552

Ion Ratio Lower Upper

83 100

85 63.2 42.9 79.7

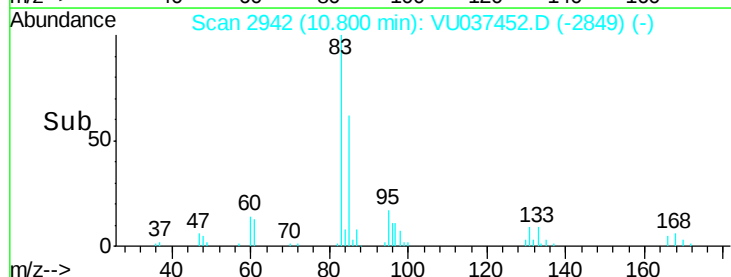
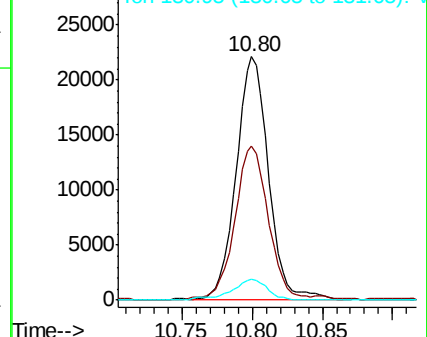
131 8.6 8.1 12.1

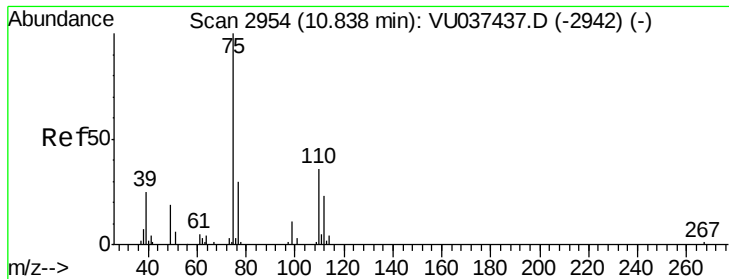


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.164 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

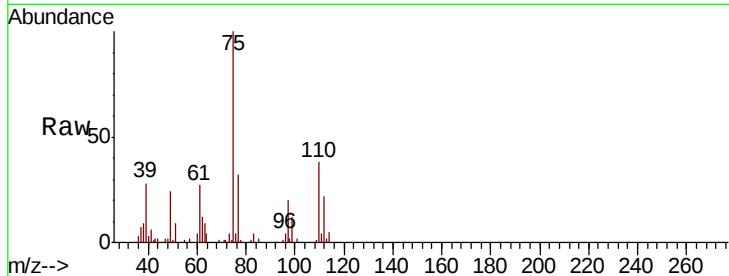
ClientSampleId :

Tot Ion: 75 Resp: 25938

Ion Ratio Lower Upper

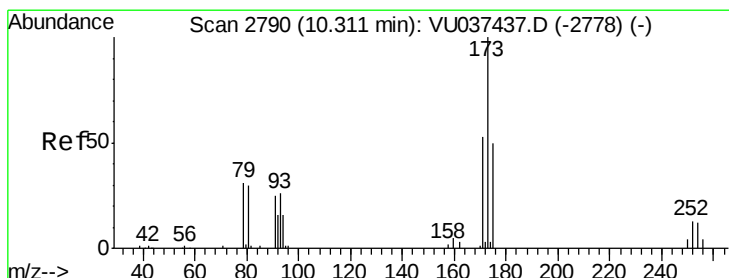
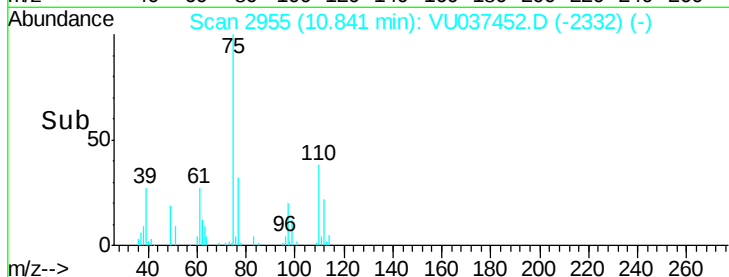
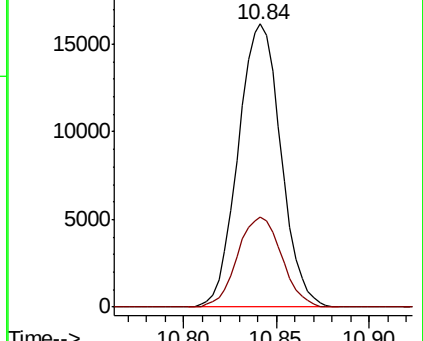
75 100

77 32.8 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU037437.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU037437.D (-2942) (-)



#61

Bromoform

Concen: 4.950 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

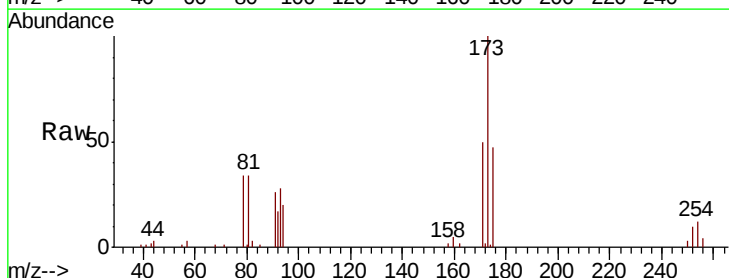
Tgt Ion: 173 Resp: 19153

Ion Ratio Lower Upper

173 100

175 47.7 40.2 60.4

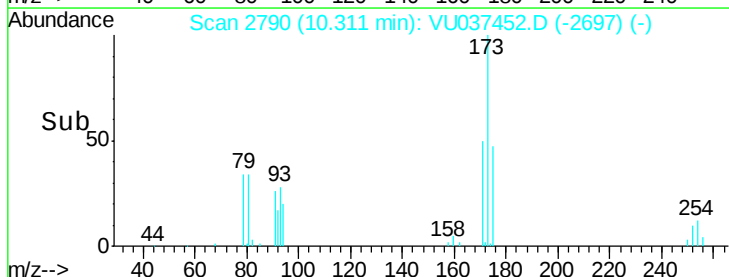
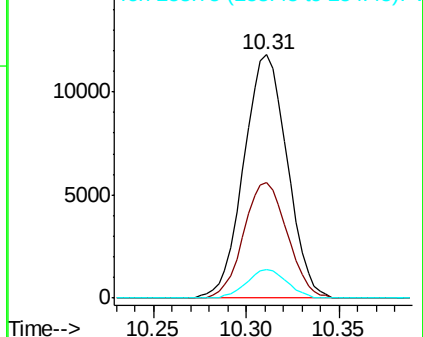
254 10.8 11.4 17.2#

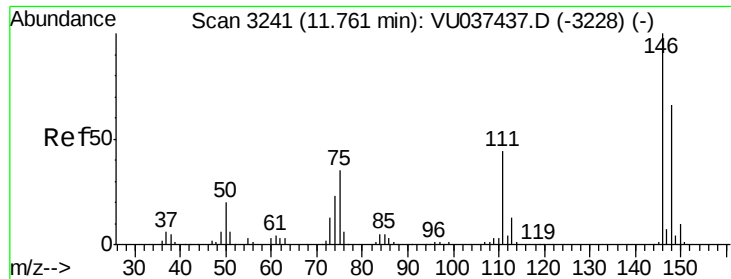


Abundance Ion 172.90 (172.60 to 173.60): VU037437.D (-2778) (-)

Ion 174.90 (174.60 to 175.60): VU037437.D (-2778) (-)

Ion 253.75 (253.45 to 254.45): VU037437.D (-2778) (-)

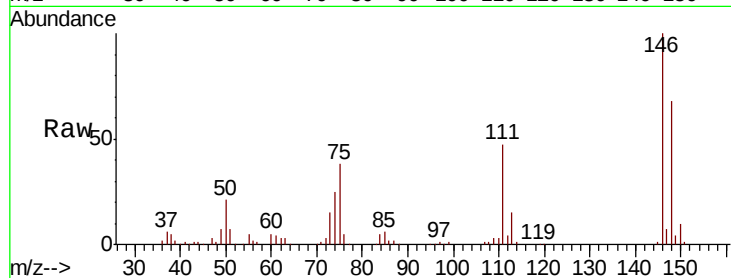




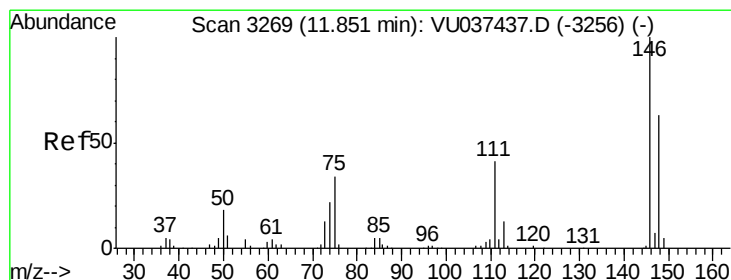
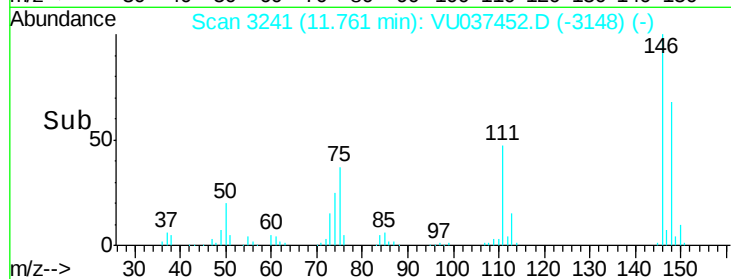
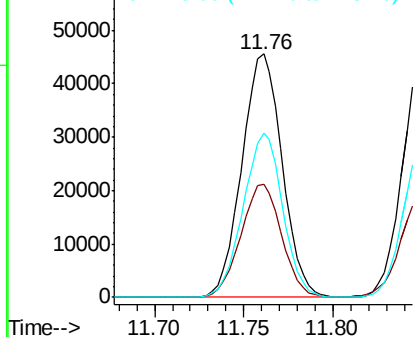
#62
 1,3-Dichlorobenzene
 Concen: 4.797 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 71809
 Ion Ratio Lower Upper
 146 100
 111 46.6 29.4 54.6
 148 67.7 46.1 85.5

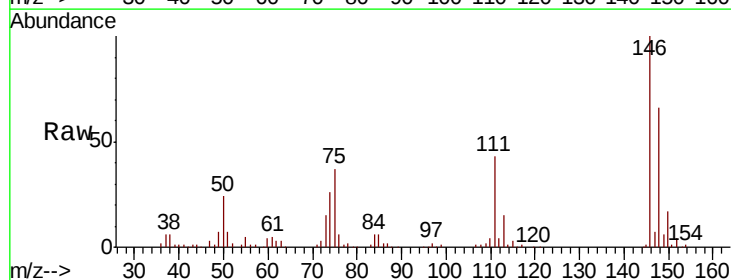


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

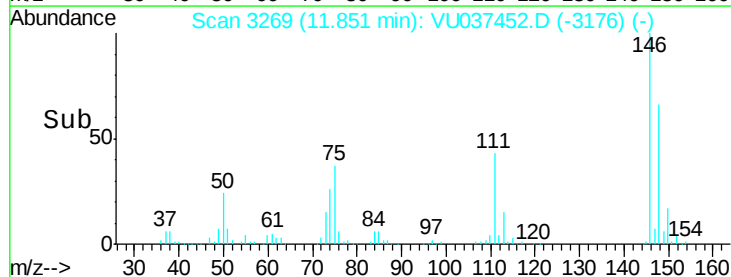
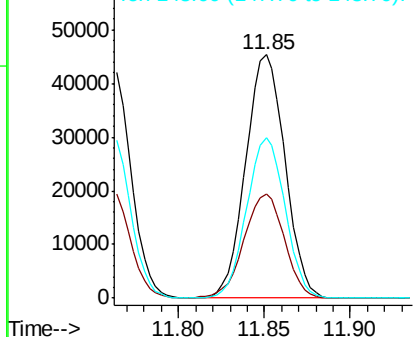


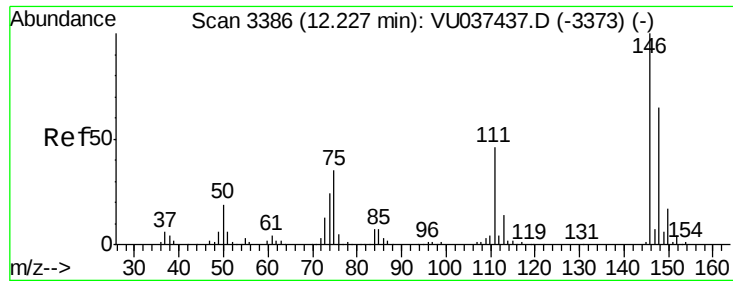
#63
 1,4-Dichlorobenzene
 Concen: 4.504 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Tgt Ion:146 Resp: 72002
 Ion Ratio Lower Upper
 146 100
 111 42.8 28.8 53.6
 148 65.6 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.742 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

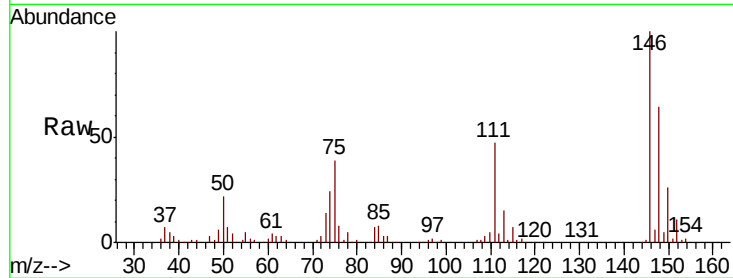
Tot Ion:146 Resp: 68526

Ion Ratio Lower Upper

146 100

111 46.7 36.2 54.2

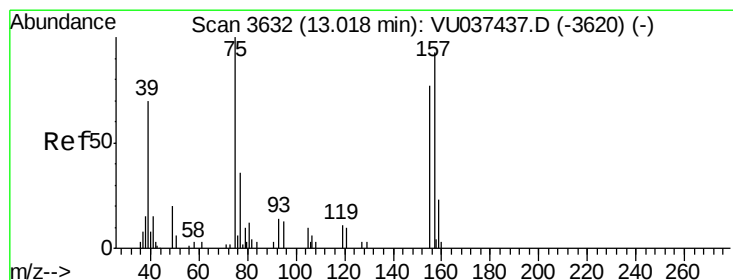
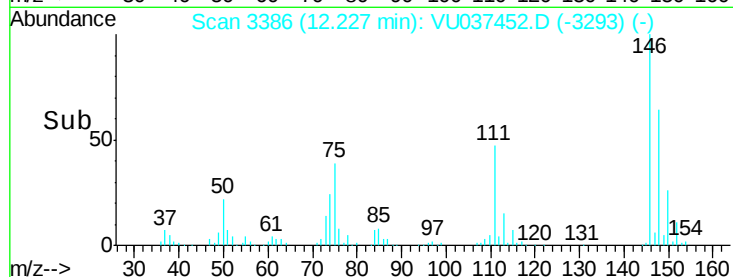
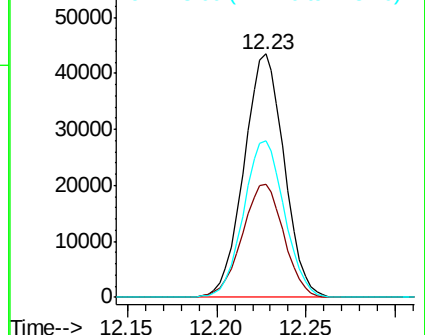
148 64.3 52.1 78.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.901 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037452.D

Acq: 29 Mar 2020 11:25

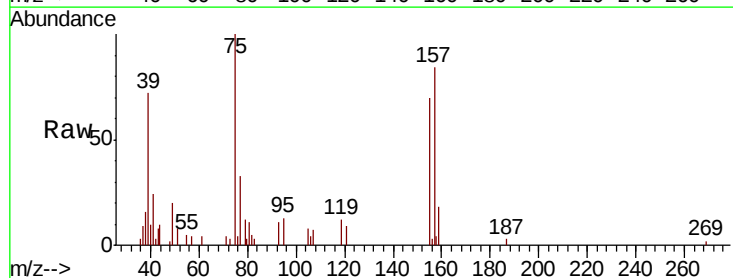
Tgt Ion: 75 Resp: 7504

Ion Ratio Lower Upper

75 100

155 70.4 56.0 84.0

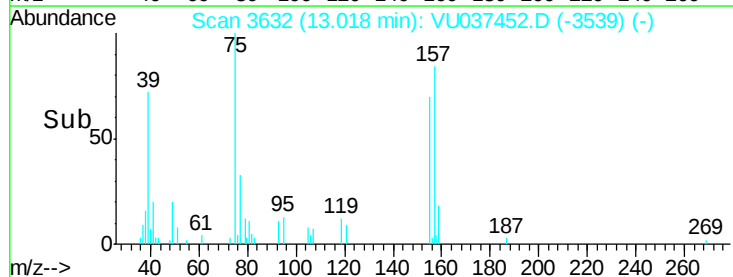
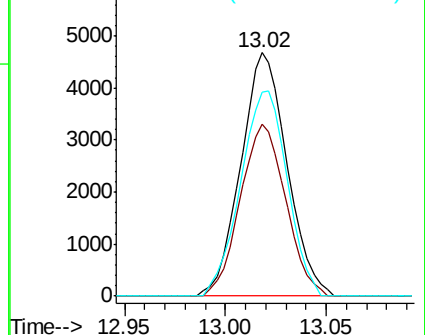
157 84.0 78.3 117.5

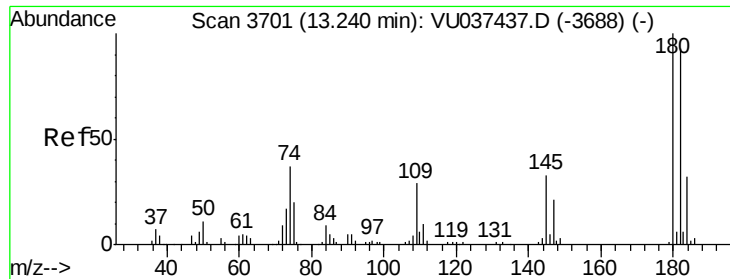


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

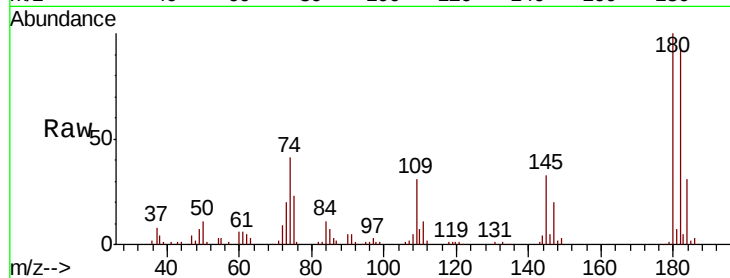




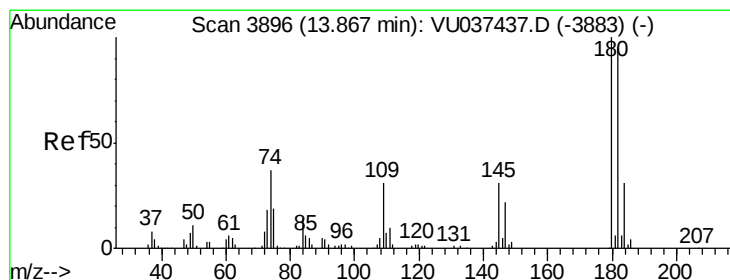
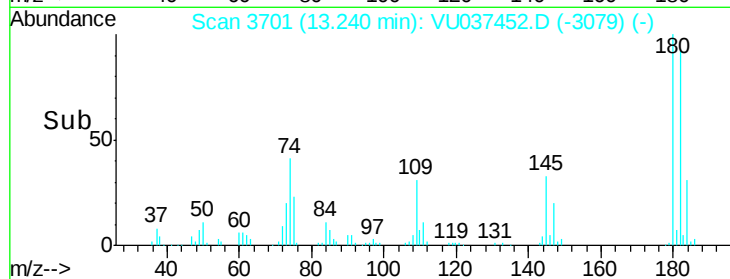
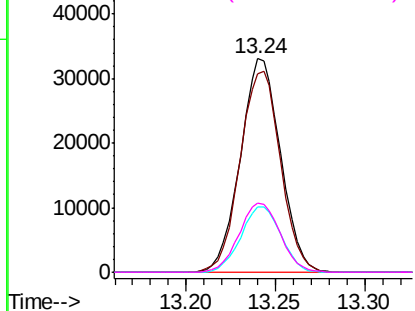
#67
 1,3,5-Trichlorobenzene
 Concen: 4.484 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 52049
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.7 116.5
 184 30.7 24.6 36.8
 145 33.3 25.7 38.5

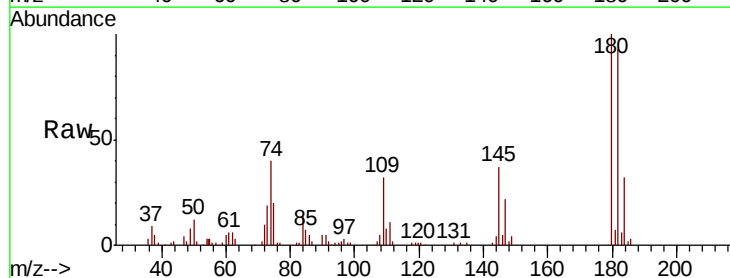


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

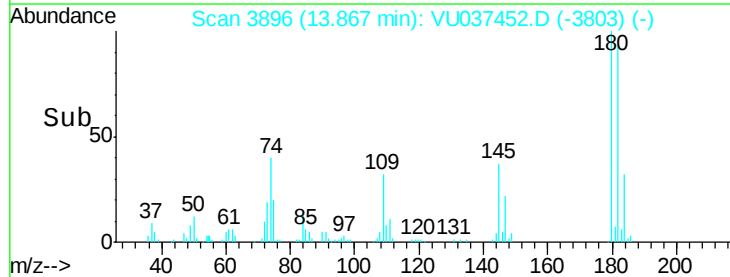
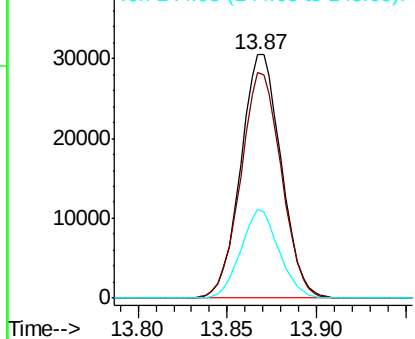


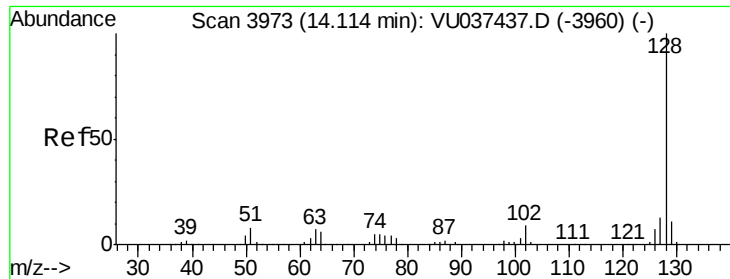
#68
 1,2,4-trichlorobenzene
 Concen: 4.324 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037452.D
 Acq: 29 Mar 2020 11:25

Tgt Ion:180 Resp: 48393
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.8 113.6
 145 34.5 25.5 38.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

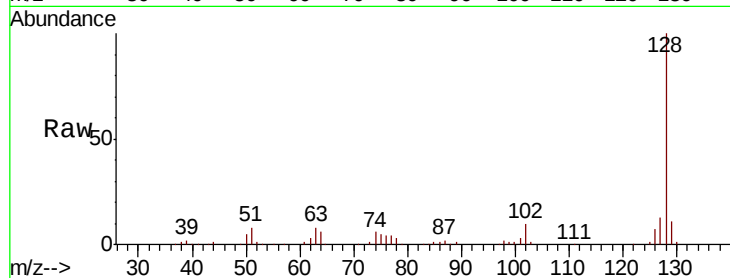




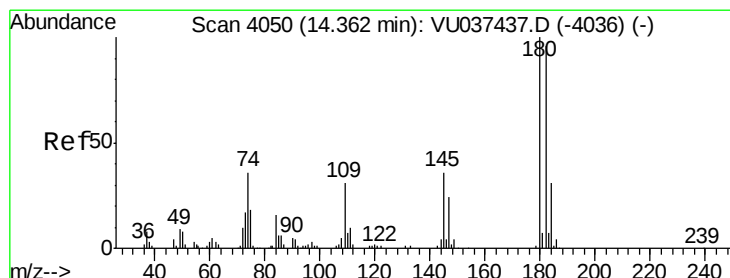
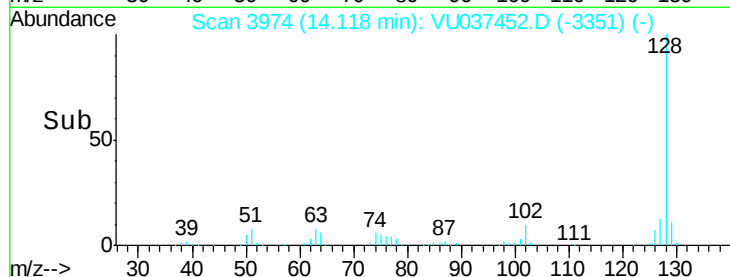
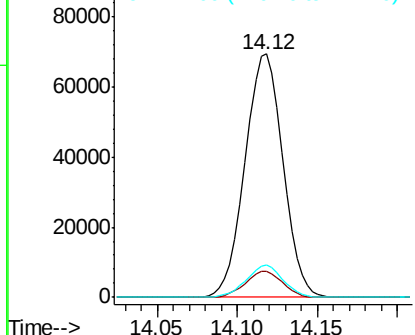
#69
Naphthalene
Concen: 5.179 ug/L
RT: 14.12 min Scan# 3974
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 112524
Ion Ratio Lower Upper
128 100
129 10.5 8.9 13.3
127 13.0 10.4 15.6

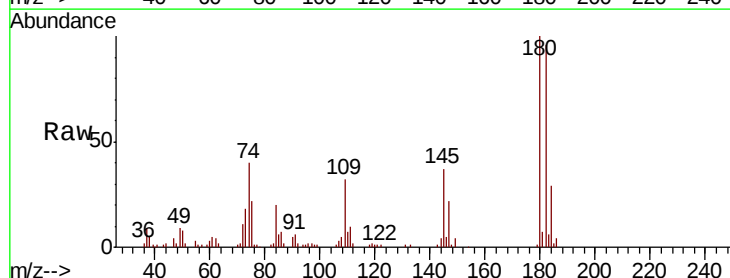


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 4.504 ug/L
RT: 14.36 min Scan# 4050
Delta R.T. 0.00 min
Lab File: VU037452.D
Acq: 29 Mar 2020 11:25

Tgt Ion:180 Resp: 45330
Ion Ratio Lower Upper
180 100
182 94.4 77.8 116.8
145 36.8 27.8 41.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

