

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037910.D
 Acq On : 29 Apr 2020 13:51
 Operator : JC/MD
 Sample : L2395-12 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:20:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	3672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	4833	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	6473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	2913	90.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	181.58%#
7) Chloroethane-d5	1.93	69	374	15.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	30.08%#
11) 1,1-Dichloroethene-d2	2.60	63	11737	226.01	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	452.02%#
21) 2-Butanone-d5	4.67	46	1332	52.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	52.40%
24) Chloroform-d	5.10	84	350	7.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	14.32%#
26) 1,2-Dichloroethane-d4	5.73	65	2056	60.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.52%
32) Benzene-d6	5.76	84	1604	11.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	23.48%#
36) 1,2-Dichloropropane-d6	6.72	67	251	5.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	10.98%#
41) Toluene-d8	7.92	98	4112	32.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.46%#
43) trans-1,3-Dichloropropene-	8.20	79	443	18.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	37.66%#
47) 2-Hexanone-d5	8.65	63	1098	44.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	44.12%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1833	28.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	57.64%#
64) 1,2-Dichlorobenzene-d4	12.20	152	4078	32.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	64.76%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	112	3.697	ug/L #	42
3) Chloromethane	1.53	50	1473	44.612	ug/L	94
5) Vinyl chloride	1.62	62	330235	9064.831	ug/L	98
6) Bromomethane	1.87	94	940	62.358	ug/L	84
8) Chloroethane	1.95	64	13514	660.230	ug/L	96
9) Trichlorofluoromethane	2.16	101	673	17.375	ug/L #	83
12) 1,1-Dichloroethene	2.61	96	18657	836.894	ug/L #	65
13) Acetone	2.66	43	6580	433.828	ug/L	94
14) Carbon disulfide	2.82	76	630	7.902	ug/L #	42
15) Methyl Acetate	2.97	43	238	6.492	ug/L #	55
16) Methylene chloride	3.08	84	79485	3000.563	ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	2247	90.146	ug/L	94
18) Methyl tert-butyl Ether	3.39	73	137	1.596	ug/L #	1
19) 1,1-Dichloroethane	3.91	63	175184	3486.529	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	652297	23900.736	ug/L	95
22) 2-Butanone	4.75	43	3965	149.293	ug/L #	70
25) Chloroform	5.12	83	547	11.635	ug/L	98

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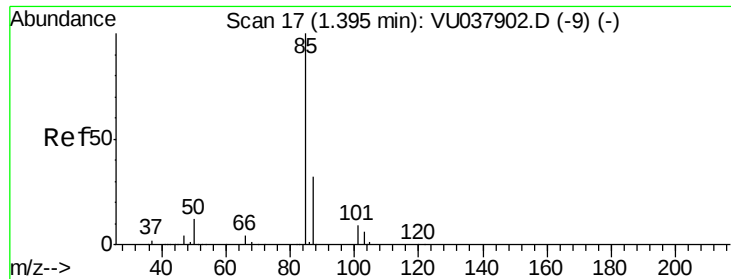
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.83	62	1938	48.130	ug/L #	75
29) Cyclohexane	5.43	56	177	2.618	ug/L #	29
30) 1,1,1-Trichloroethane	5.35	97	184875	3425.260	ug/L	98
31) Carbon tetrachloride	5.36	117	23090	529.193	ug/L	98
33) Benzene	5.81	78	2950	20.110	ug/L	100
34) Trichloroethene	6.57	95	41928	1165.256	ug/L	97
35) Methylcyclohexane	6.78	83	271	4.301	ug/L #	82
37) 1,2-Dichloropropane	6.82	63	298	7.438	ug/L #	41
39) cis-1,3-Dichloropropene	7.64	75	110	1.715	ug/L #	1
40) 4-Methyl-2-pentanone	7.82	43	1330	19.088	ug/L #	89
42) Toluene	7.99	91	22520	146.425	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	85	1.373	ug/L #	1
45) 1,1,2-Trichloroethane	8.42	97	946	27.067	ug/L #	62
46) Tetrachloroethene	8.57	164	1002	38.099	ug/L	88
48) 2-Hexanone	8.71	43	4349	78.942	ug/L	93
49) Dibromochloromethane	8.57	129	966	26.469	ug/L #	10
50) 1,2-Dibromoethane	8.95	107	1318	34.813	ug/L #	95
52) Ethylbenzene	9.59	91	57064	331.320	ug/L	99
53) m,p-Xylene	9.71	106	65287	1006.788	ug/L	100
54) o-xylene	10.12	106	21939	345.929	ug/L	95
55) Styrene	10.11	104	1342	12.304	ug/L #	1
56) Isopropylbenzene	10.50	105	13599	81.021	ug/L	98
59) 1,2,3-Trichloropropane	10.80	75	151	2.806	ug/L #	1
62) 1,3-Dichlorobenzene	11.75	146	2862	14.122	ug/L	88
63) 1,4-Dichlorobenzene	11.85	146	816	3.989	ug/L #	67
65) 1,2-Dichlorobenzene	12.22	146	254	1.290	ug/L #	88
67) 1,3,5-Trichlorobenzene	13.86	180	5808	39.434	ug/L	95
68) 1,2,4-trichlorobenzene	13.86	180	5808	40.545	ug/L	94
69) Naphthalene	14.11	128	79417	154.608	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	502	3.549	ug/L #	77

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



#2

Dichlorodifluoromethane

Concen: 3.697 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

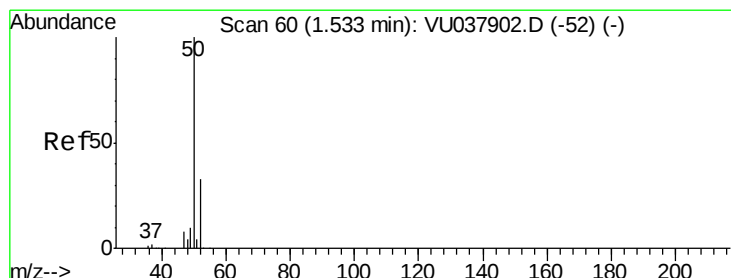
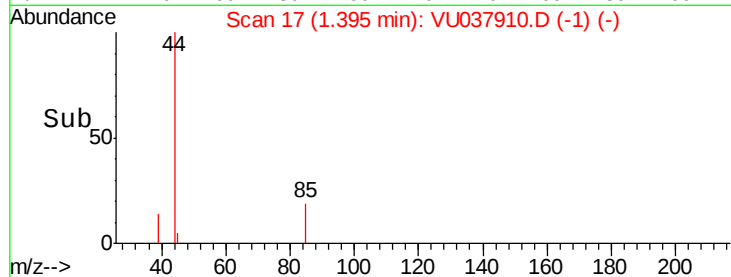
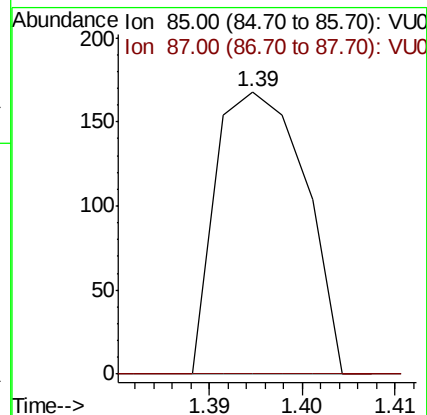
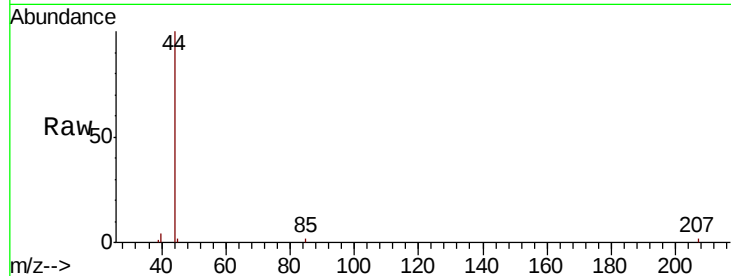
ClientSampleId :

Tot Ion: 85 Resp: 112

Ion Ratio Lower Upper

85 100

87 0.0 25.8 38.6#



#3

Chloromethane

Concen: 44.612 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037910.D

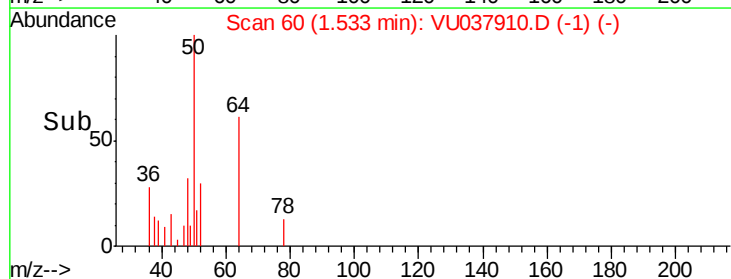
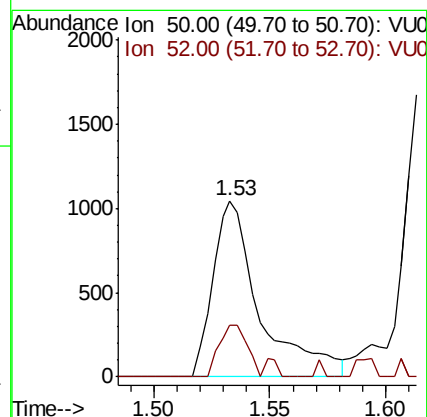
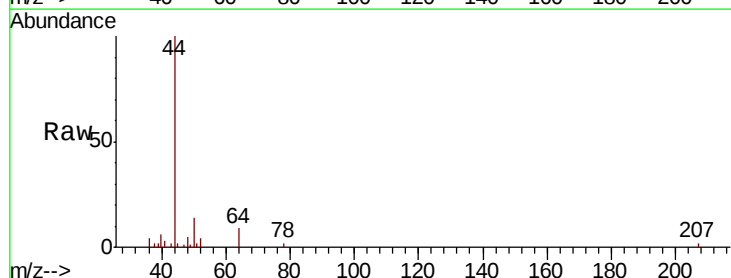
Acq: 29 Apr 2020 13:51

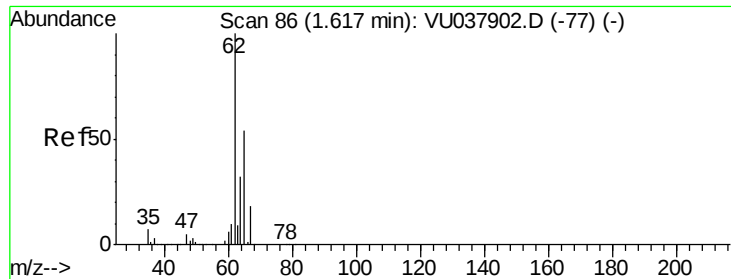
Tgt Ion: 50 Resp: 1473

Ion Ratio Lower Upper

50 100

52 29.7 23.1 42.9





#5

Vinyl chloride

Concen: 9064.831 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

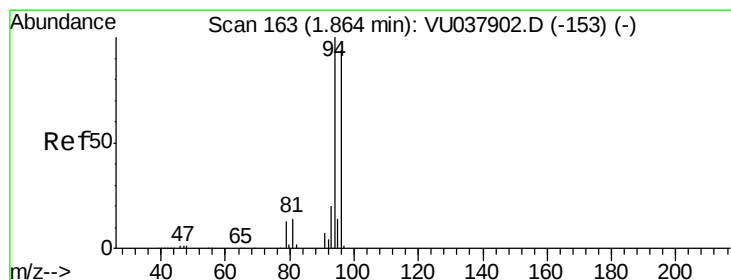
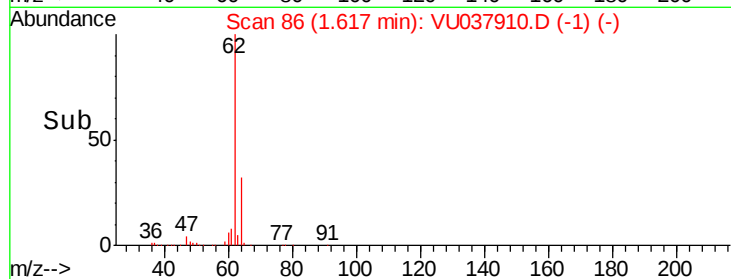
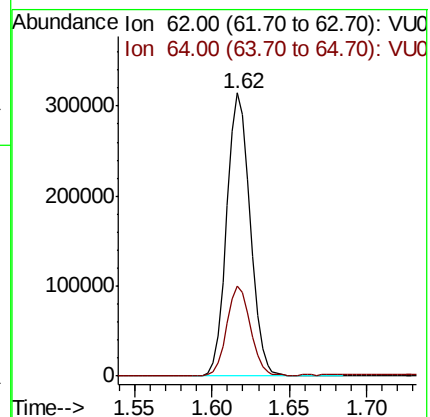
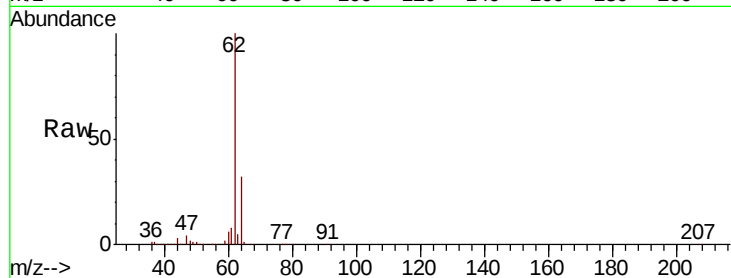
ClientSampleId :

Tot Ion: 62 Resp: 330235

Ion Ratio Lower Upper

62 100

64 32.0 23.2 43.0



#6

Bromomethane

Concen: 62.358 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU037910.D

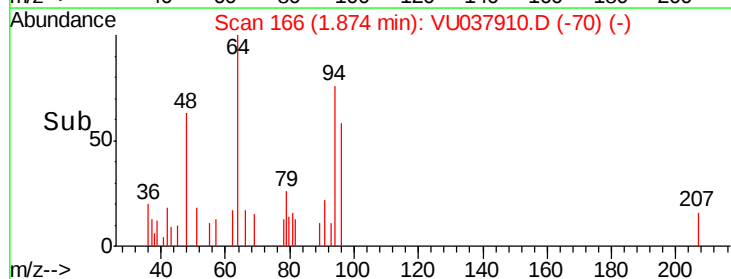
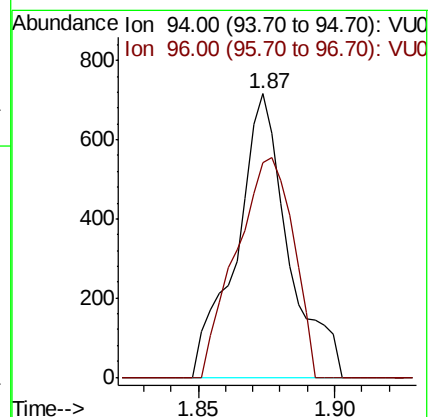
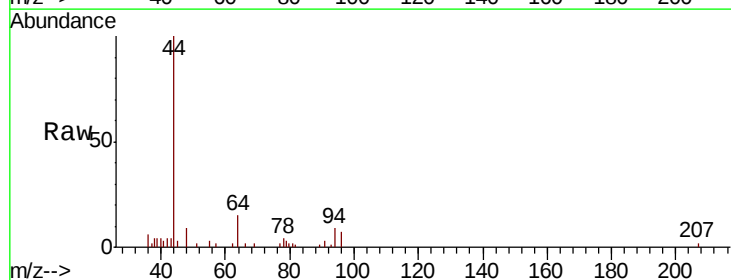
Acq: 29 Apr 2020 13:51

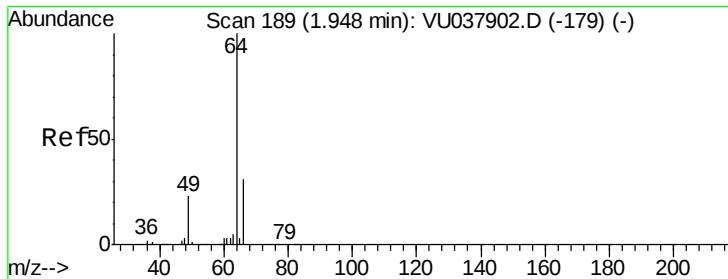
Tgt Ion: 94 Resp: 940

Ion Ratio Lower Upper

94 100

96 75.8 63.9 118.7





#8

Chloroethane

Concen: 660.230 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

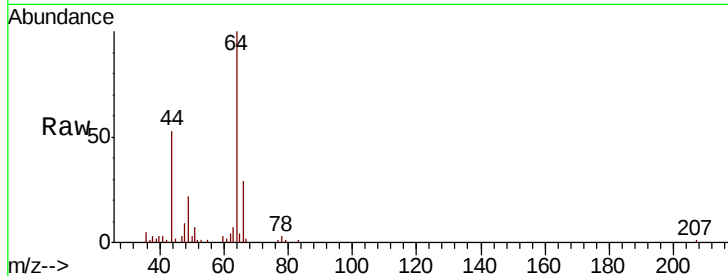
ClientSampleId :

Tot Ion: 64 Resp: 13514

Ion Ratio Lower Upper

64 100

66 29.5 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037910.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037910.D (-179) (-)

1.95

15000

10000

5000

0

Time-->

1.90

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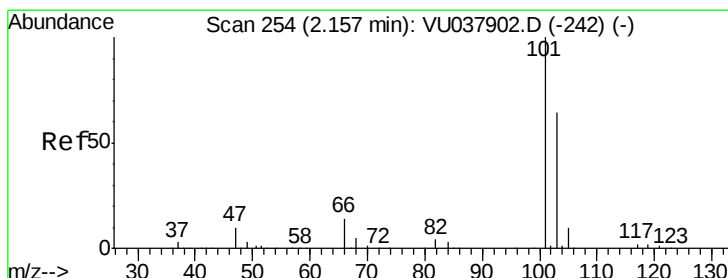
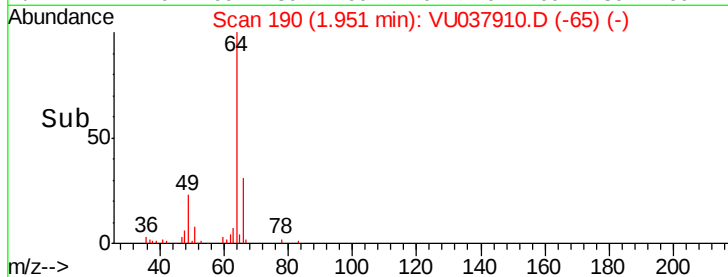
1.95

1.95

1.95

1.95

1.95



#9

Trichlorofluoromethane

Concen: 17.375 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037910.D

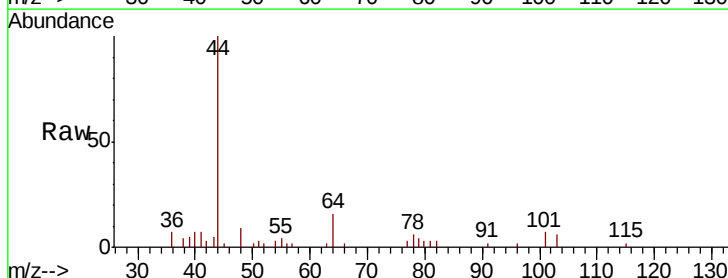
Acq: 29 Apr 2020 13:51

Tgt Ion:101 Resp: 673

Ion Ratio Lower Upper

101 100

103 78.9 52.2 78.4#



Abundance Ion 101.00 (100.70 to 101.70): VU037910.D (-130) (-)

Ion 103.00 (102.70 to 103.70): VU037910.D (-130) (-)

2.16

500

400

300

200

100

0

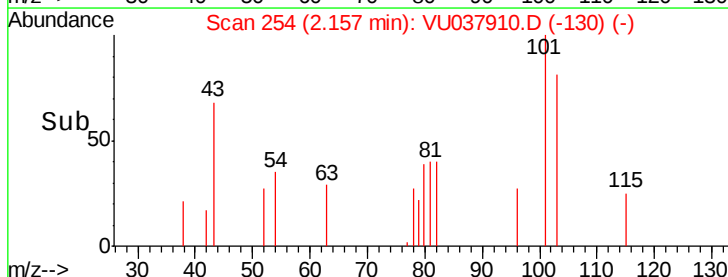
Time-->

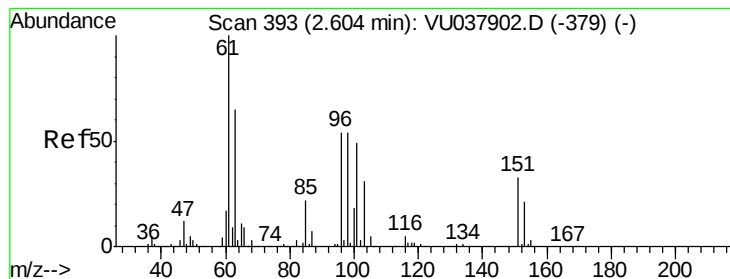
2.12

2.14

2.16

2.18





#12

1,1-Dichloroethene

Concen: 836.894 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

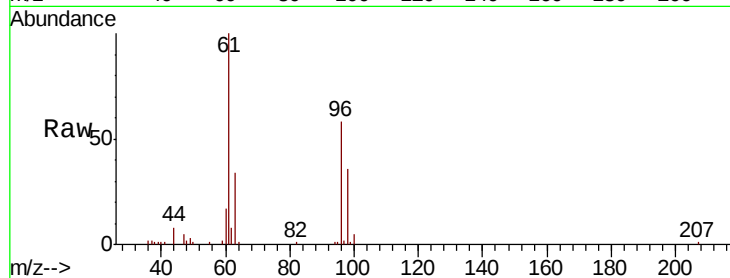
Tot Ion: 96 Resp: 18657

Ion Ratio Lower Upper

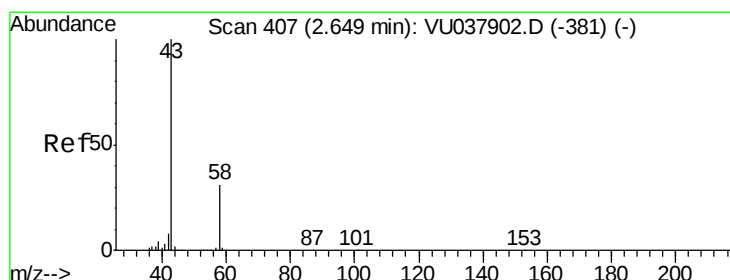
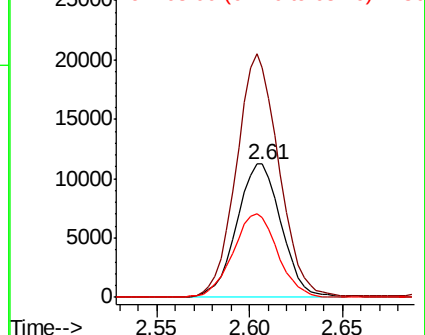
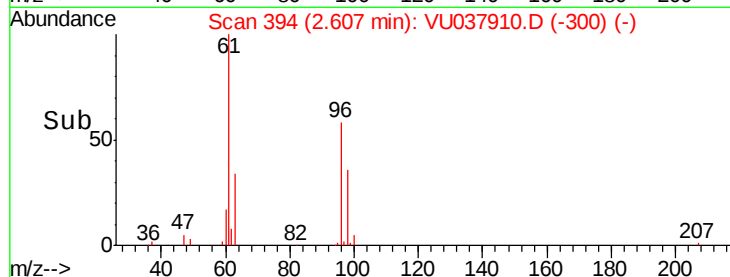
96 100

61 172.3 134.1 249.0

63 59.3 96.5 179.1#



Abundance Ion 96.00 (95.70 to 96.70): VU037910.D (-300) (-)



#13

Acetone

Concen: 433.828 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU037910.D

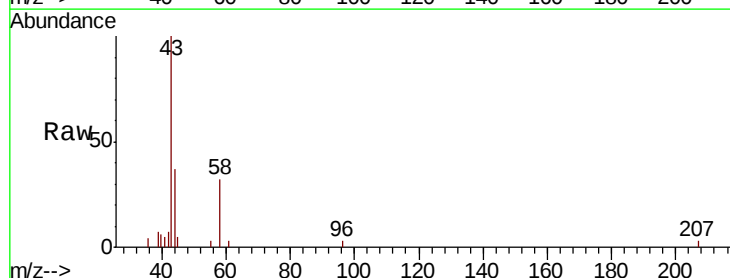
Acq: 29 Apr 2020 13:51

Tgt Ion: 43 Resp: 6580

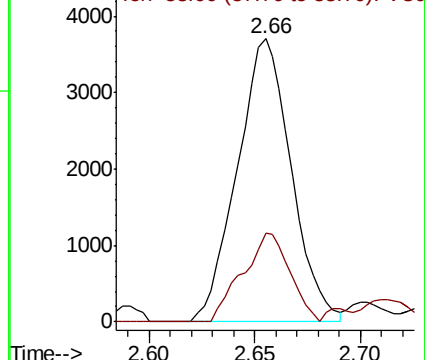
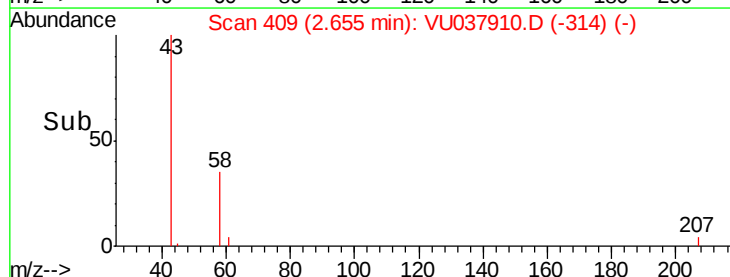
Ion Ratio Lower Upper

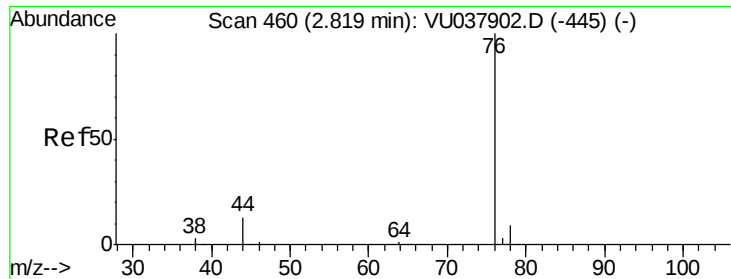
43 100

58 27.5 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037910.D (-314) (-)





#14

Carbon disulfide

Concen: 7.902 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

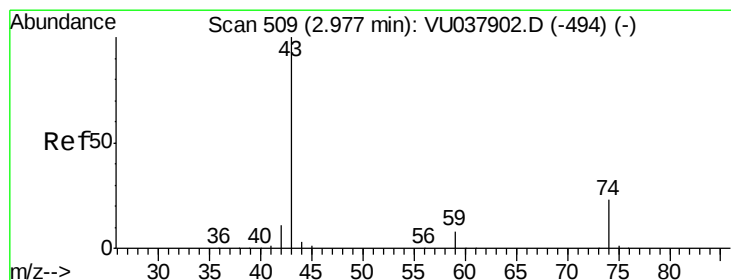
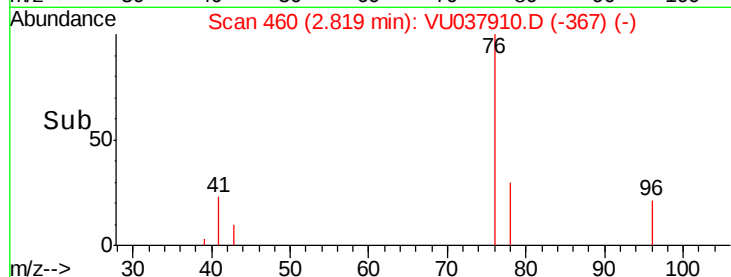
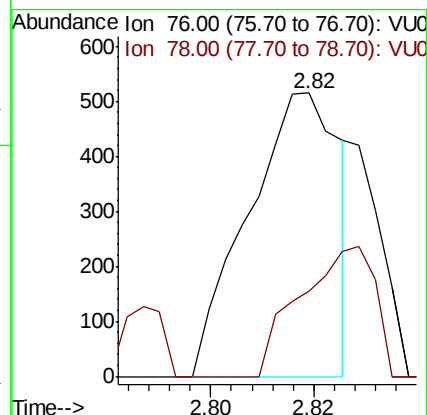
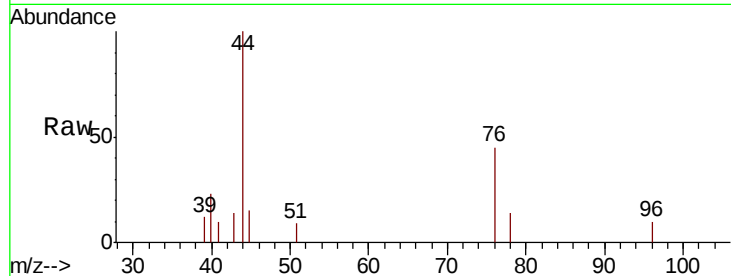
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 630

Ion Ratio Lower Upper

76 100

78 30.1 7.4 11.0#



#15

Methyl Acetate

Concen: 6.492 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.01 min

Lab File: VU037910.D

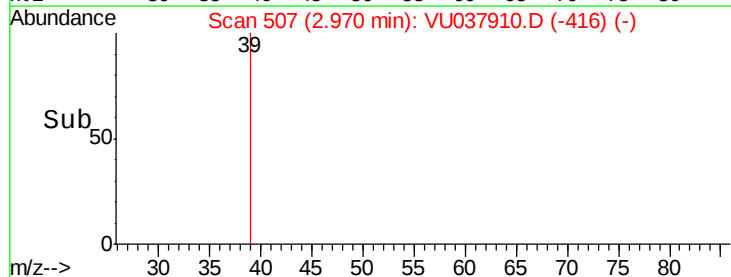
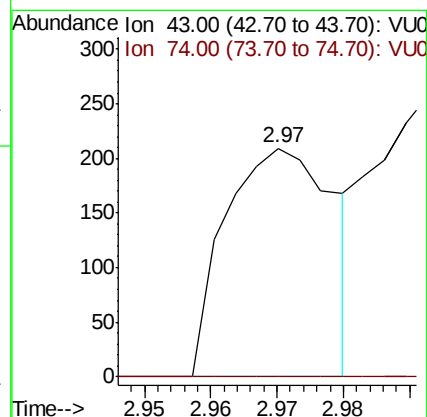
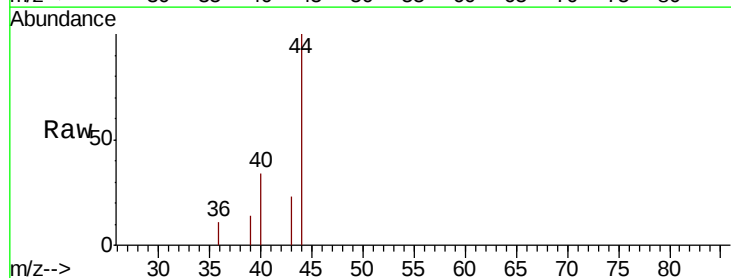
Acq: 29 Apr 2020 13:51

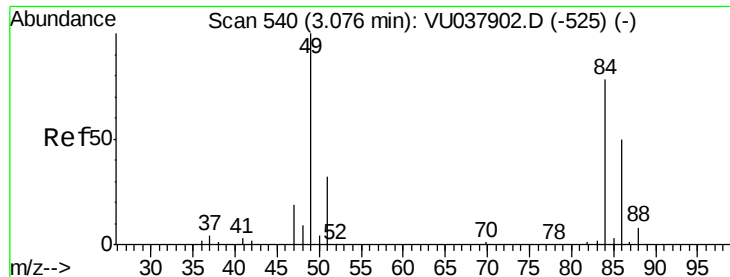
Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#

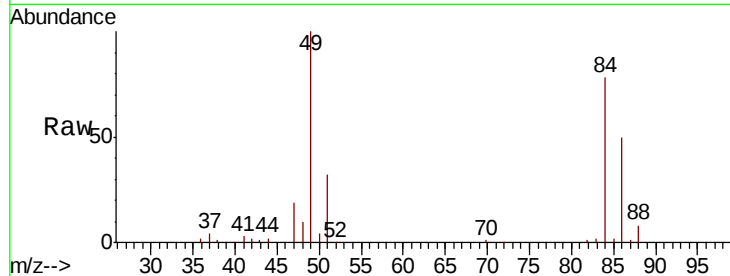




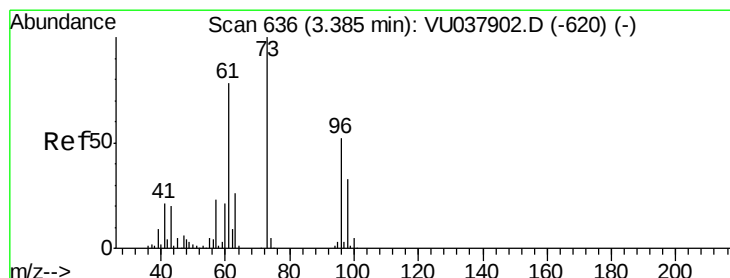
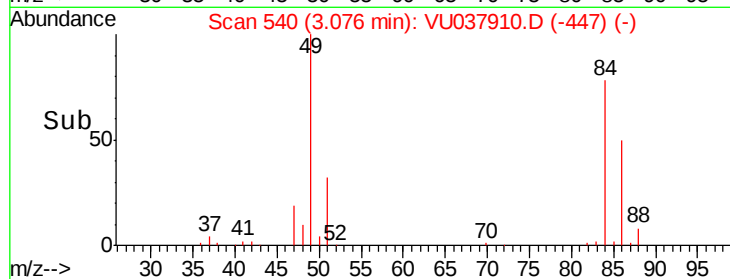
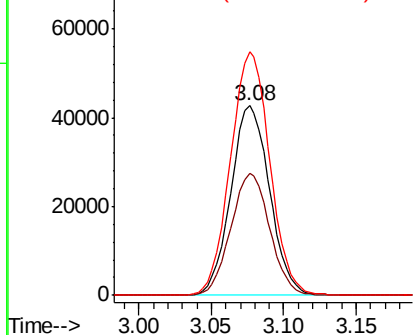
#16
Methvlene chloride
Concen: 3000.563 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 79485
Ion Ratio Lower Upper
84 100
86 64.2 43.5 80.7
49 128.4 95.1 176.7

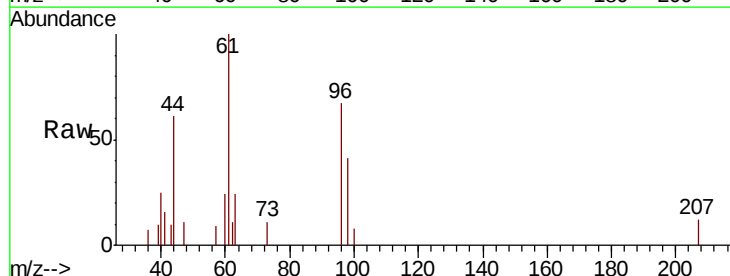


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

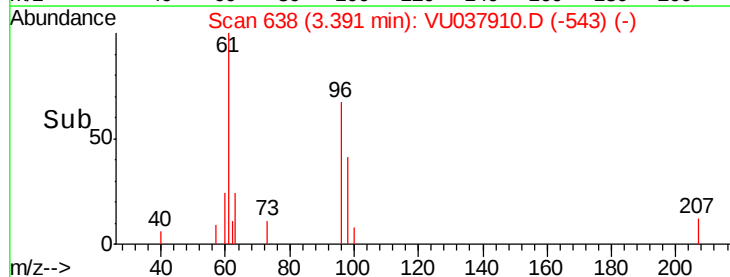
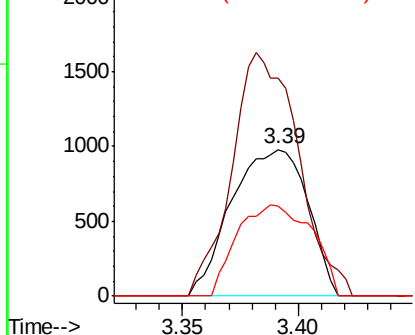


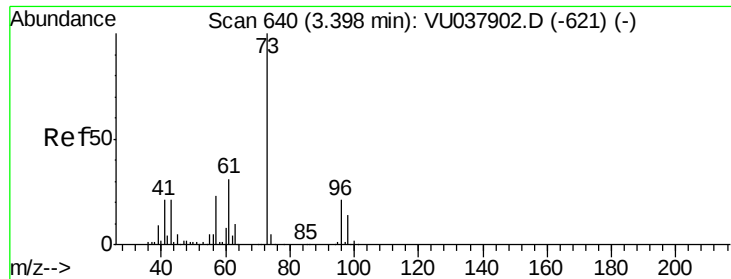
#17
trans-1,2-Dichloroethene
Concen: 90.146 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.01 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Tgt Ion: 96 Resp: 2247
Ion Ratio Lower Upper
96 100
61 148.6 111.4 207.0
98 61.3 43.9 81.5



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

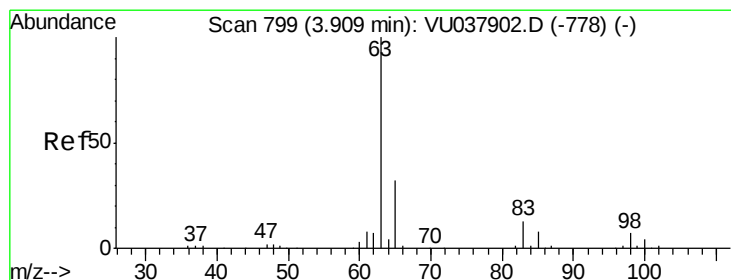
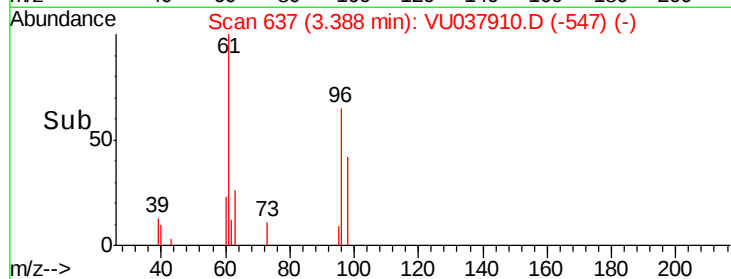
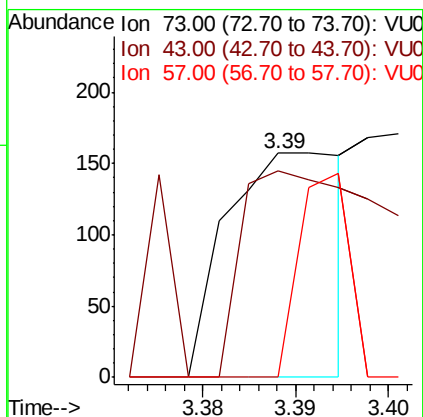
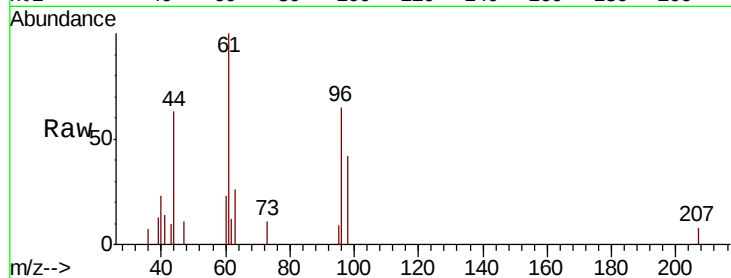




#18
Methvl tert-butvl Ether
Concen: 1.596 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.01 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

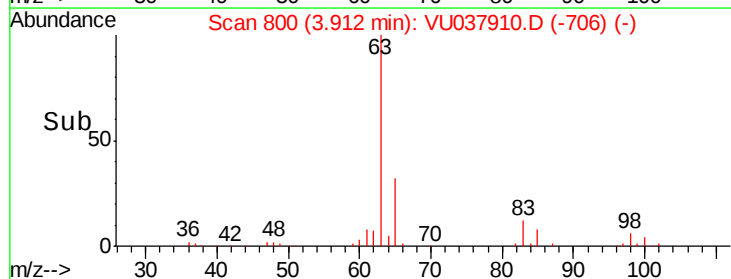
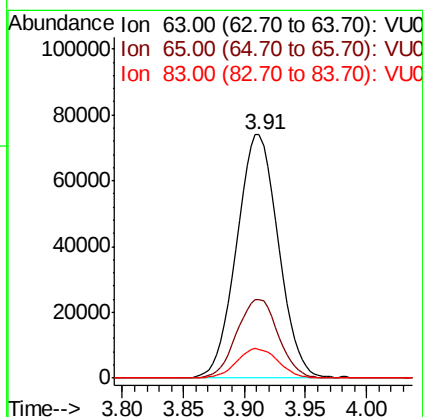
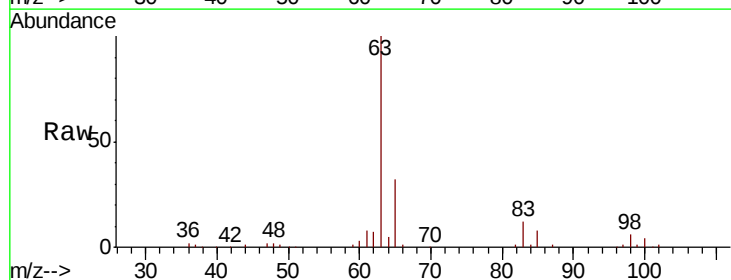
Instrument :
MSVOA_U
ClientSampleId :

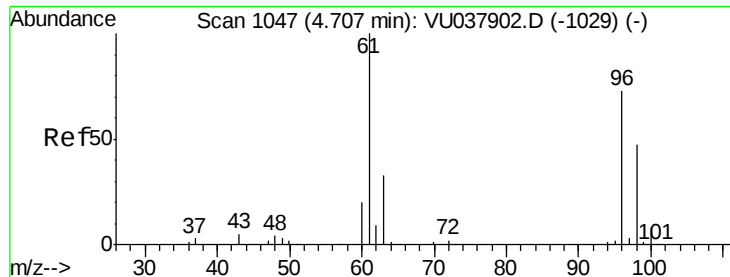
Tot Ion: 73 Resp: 137
Ion Ratio Lower Upper
73 100
43 111.7 17.0 25.6#
57 38.7 18.7 28.1#



#19
1,1-Dichloroethane
Concen: 3486.529 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Tgt Ion: 63 Resp: 175184
Ion Ratio Lower Upper
63 100
65 32.4 22.2 41.2
83 11.9 8.6 16.0

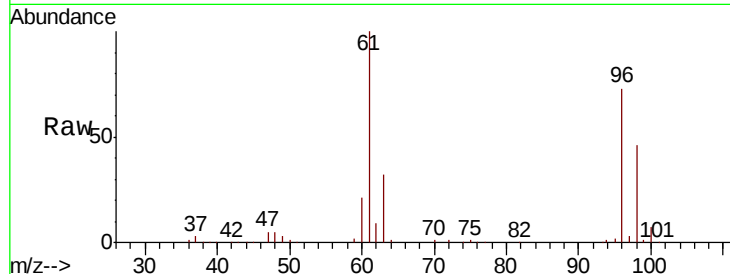




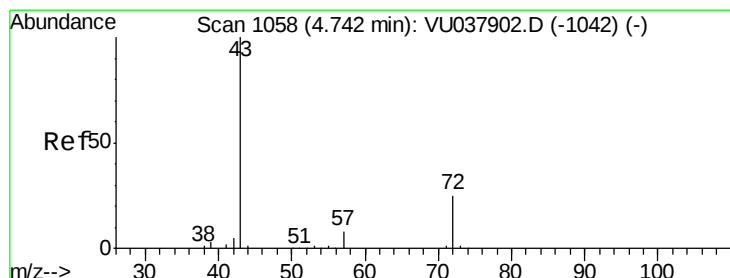
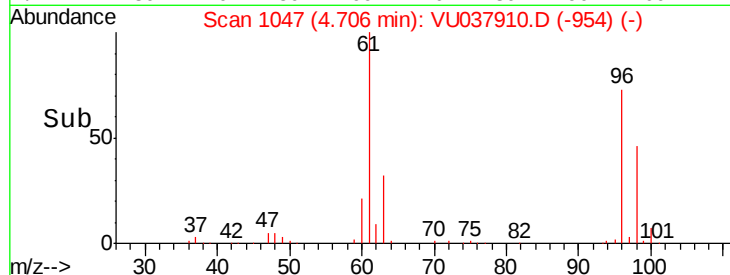
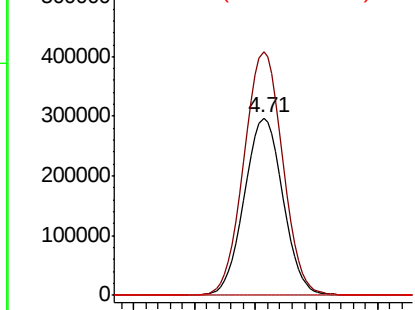
#20
 cis-1,2-Dichloroethene
 Concen: 23900.736 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 652297
 Ion Ratio Lower Upper
 96 100
 61 137.2 100.4 186.4
 68 0.0 0.0 0.0

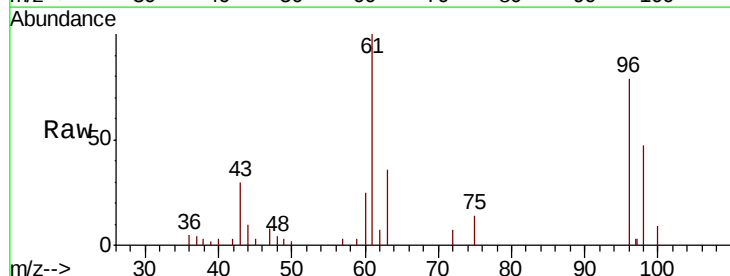


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

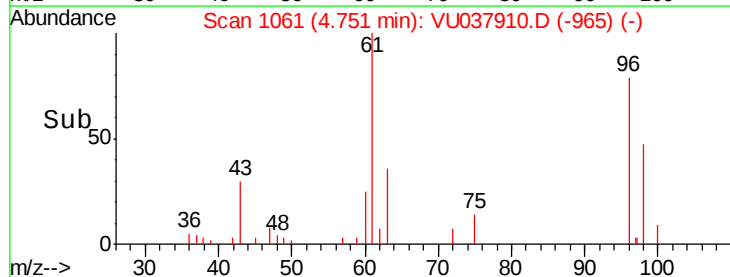
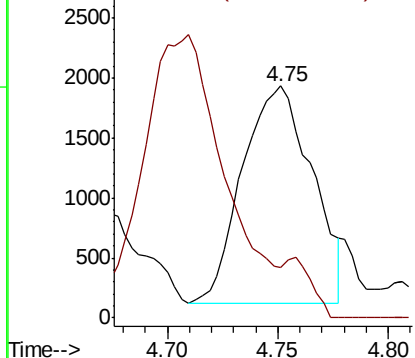


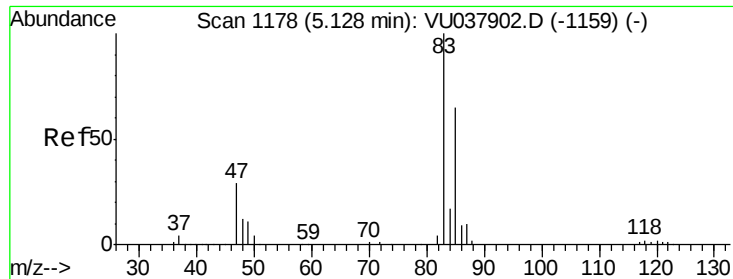
#22
 2-Butanone
 Concen: 149.293 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.01 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

Tgt Ion: 43 Resp: 3965
 Ion Ratio Lower Upper
 43 100
 72 10.1 12.6 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0

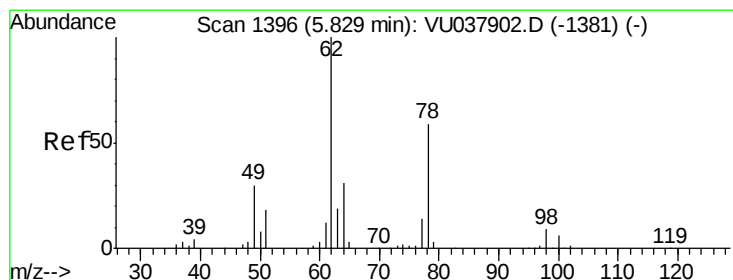
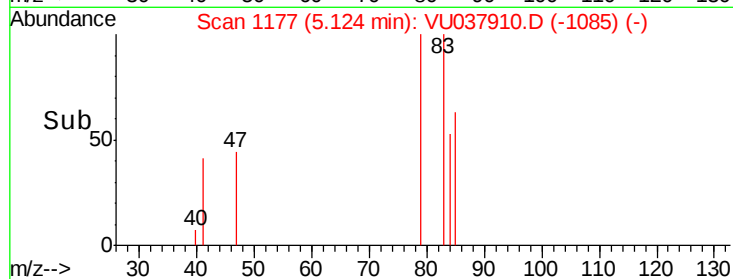
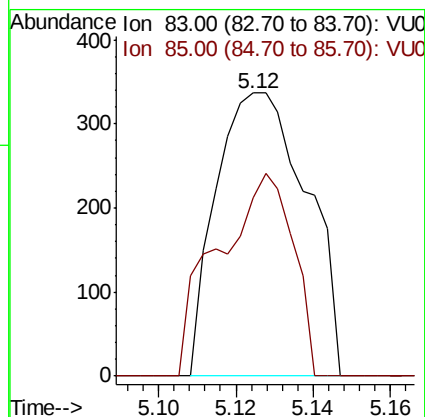
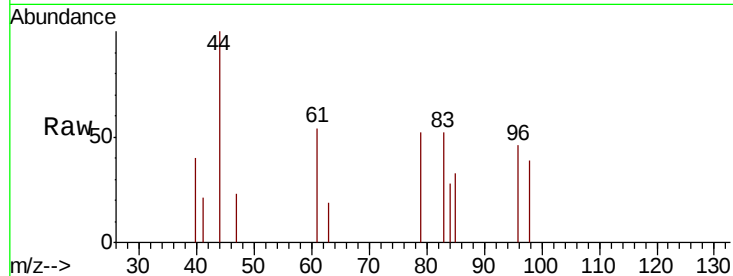




#25
Chloroform
Concen: 11.635 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

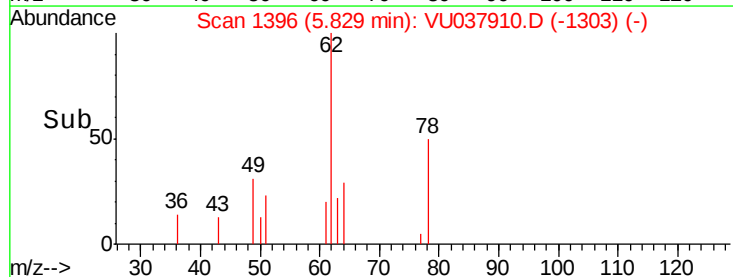
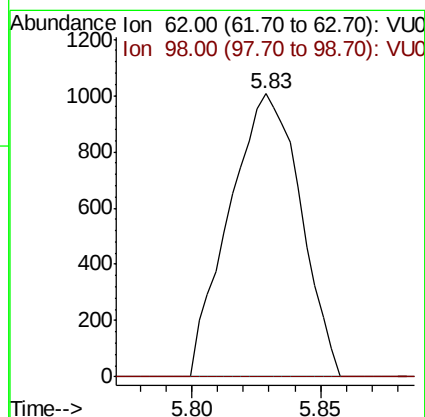
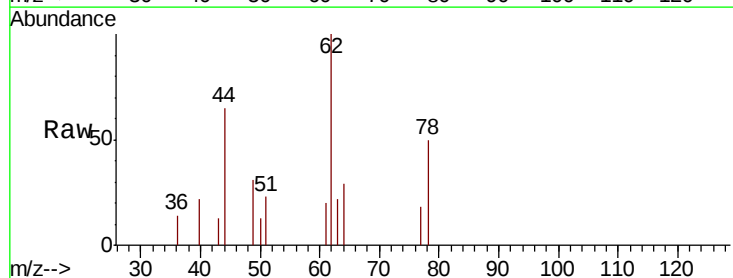
Instrument :
MSVOA_U
ClientSampled :

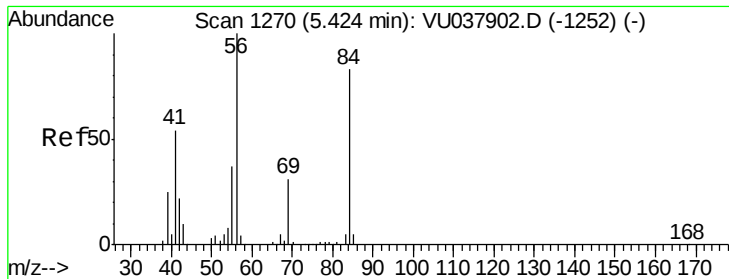
Tot Ion: 83 Resp: 547
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.130 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Tgt Ion: 62 Resp: 1938
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

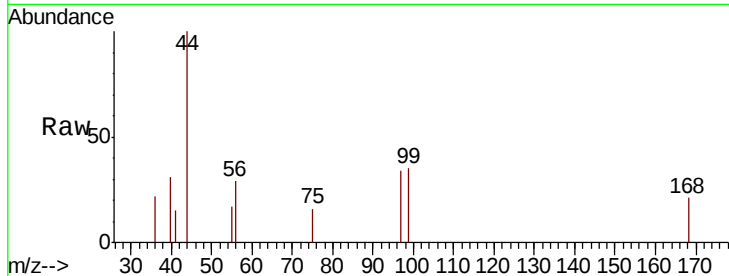




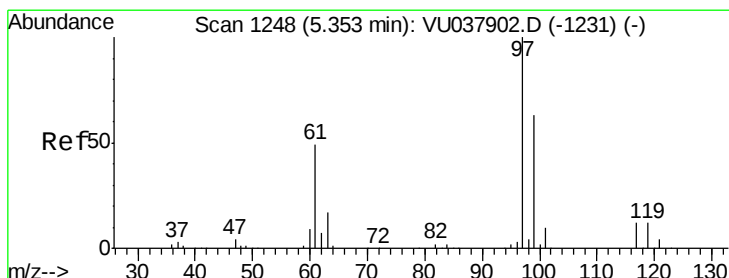
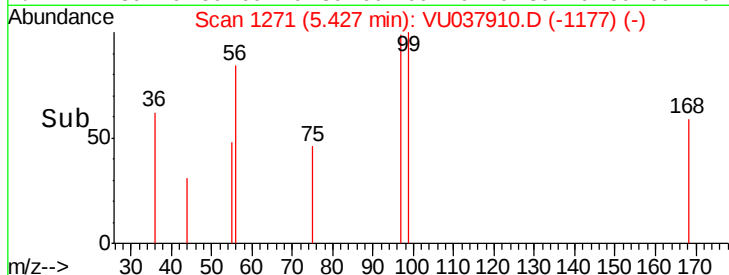
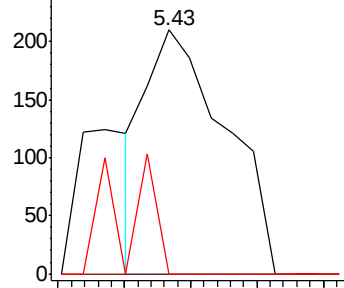
#29
Cyclohexane
Concen: 2.618 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
69 0.0 22.9 34.3#
84 11.3 63.6 95.4#

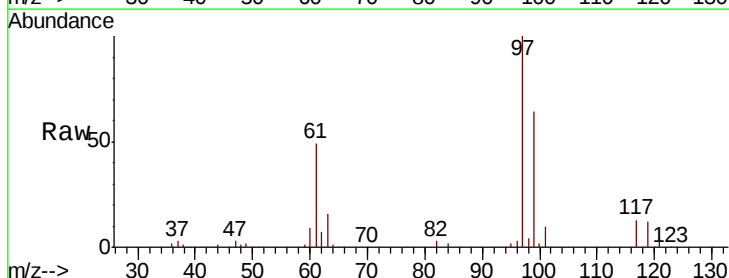


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

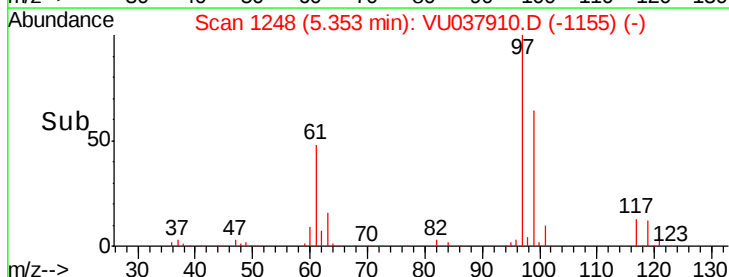
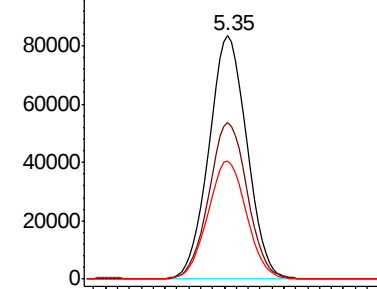


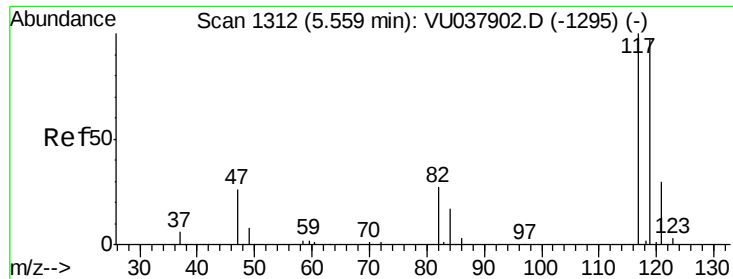
#30
1,1,1-Trichloroethane
Concen: 3425.260 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Tgt Ion: 97 Resp: 184875
Ion Ratio Lower Upper
97 100
99 65.0 50.7 76.1
61 49.6 38.9 58.3



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

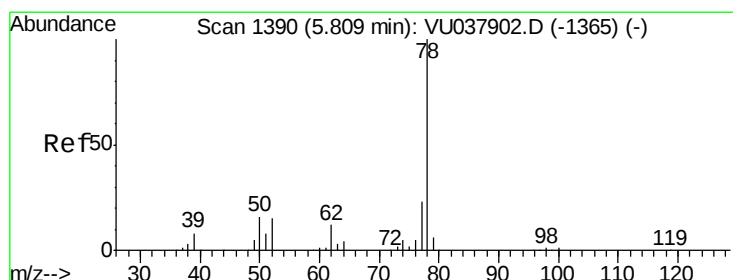
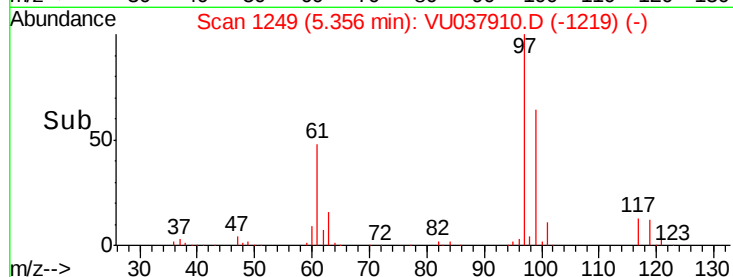
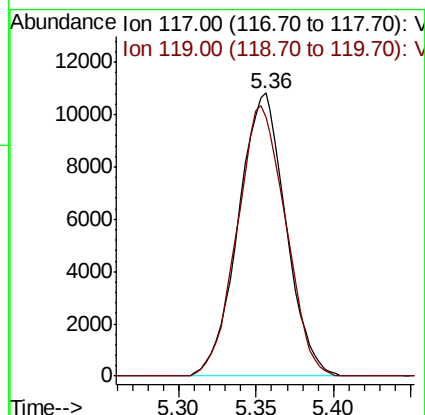
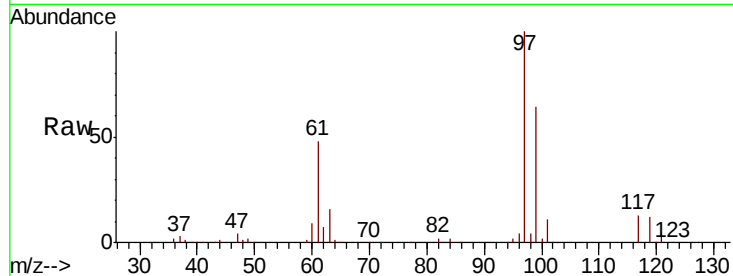




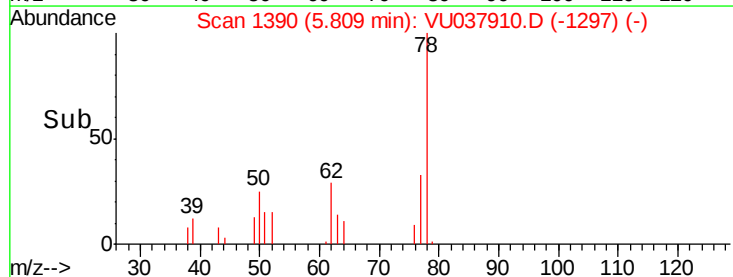
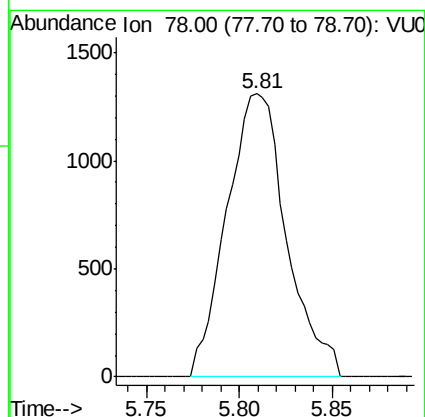
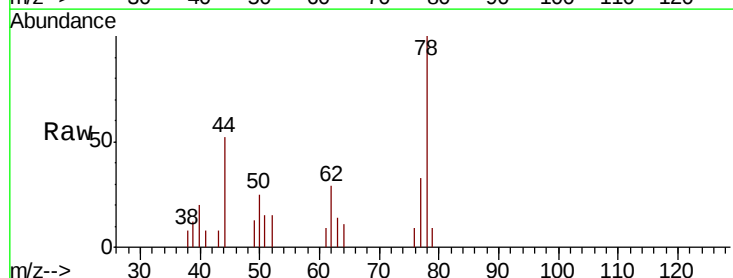
#31
Carbon tetrachloride
Concen: 529.193 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.20 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

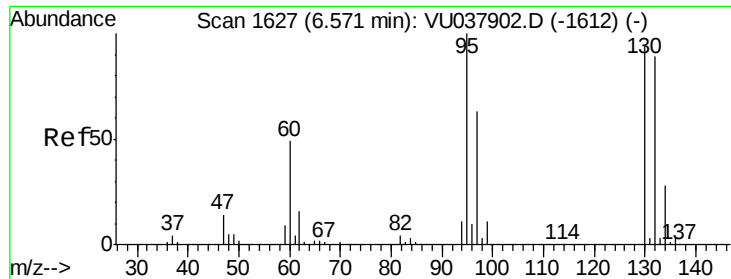
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 23090
Ion Ratio Lower Upper
117 100
119 97.6 76.7 115.1



#33
Benzene
Concen: 20.110 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51
Tgt Ion: 78 Resp: 2950

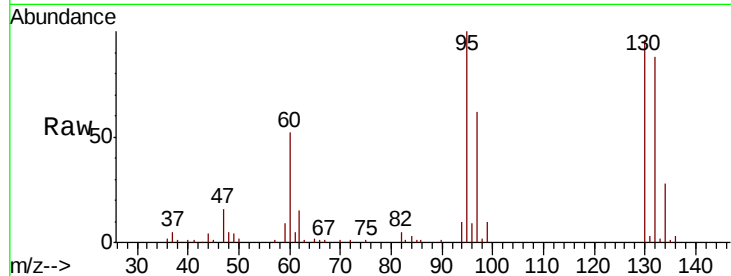




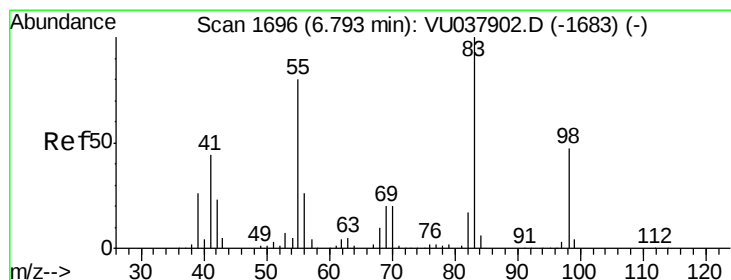
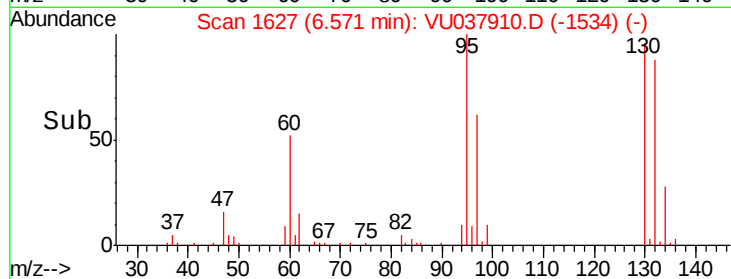
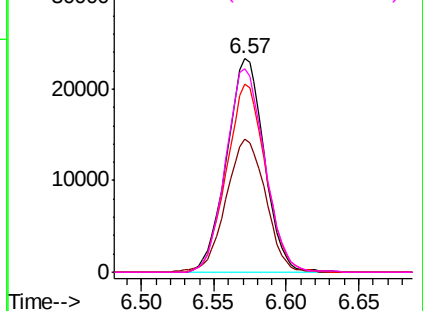
#34
 Trichloroethene
 Concen: 1165.256 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 41928
 Ion Ratio Lower Upper
 95 100
 97 62.0 44.4 82.5
 132 88.2 65.0 120.6
 130 95.6 65.5 121.7

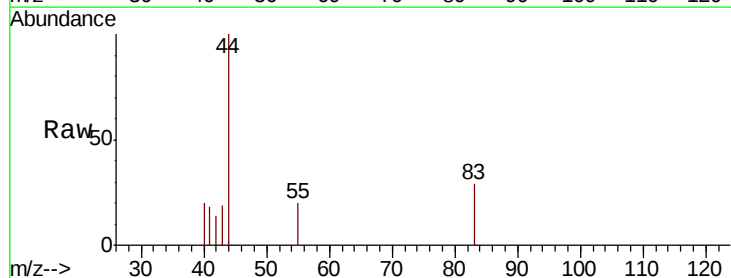


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

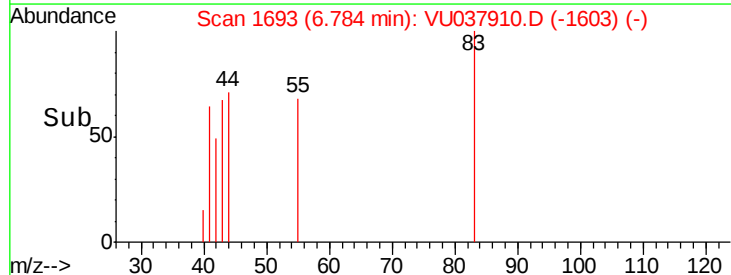
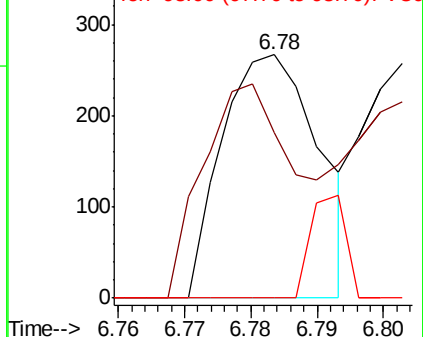


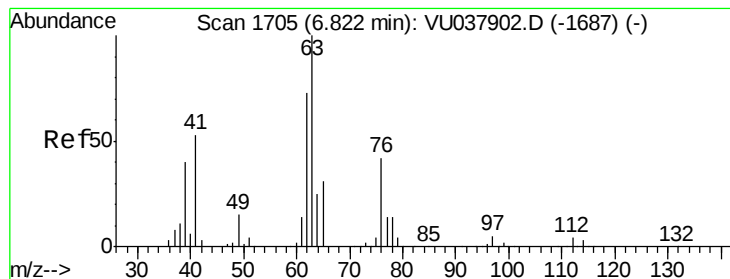
#35
 Methylcyclohexane
 Concen: 4.301 ug/L
 RT: 6.78 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

Tgt Ion: 83 Resp: 271
 Ion Ratio Lower Upper
 83 100
 55 84.1 66.3 99.5
 98 15.5 37.4 56.0#



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





#37

1,2-Dichloropropane

Concen: 7.438 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

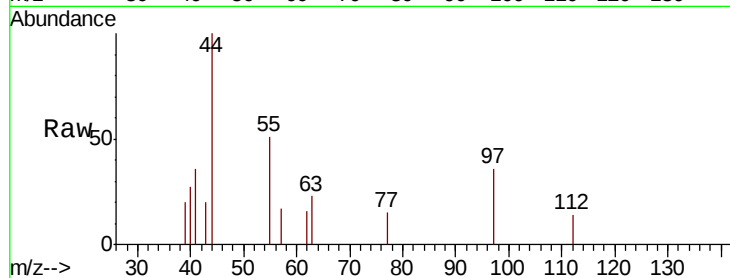
ClientSampleId :

Tot Ion: 63 Resp: 298

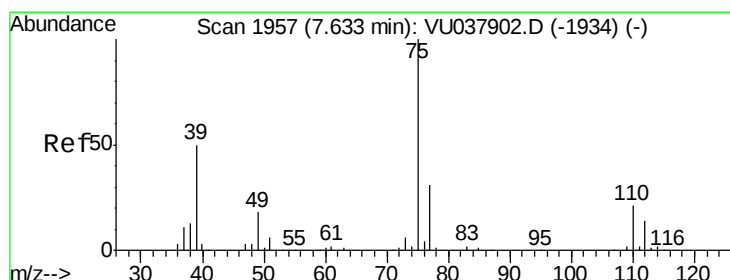
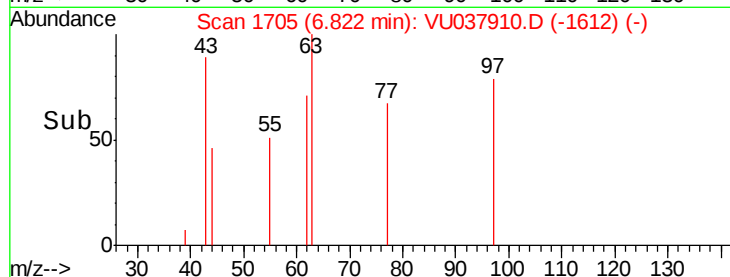
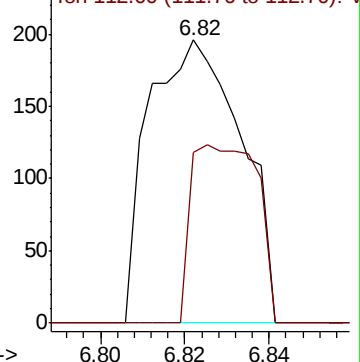
Ion Ratio Lower Upper

63 100

112 23.2 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU037910.D (-1612) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.715 ug/L

RT: 7.64 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU037910.D

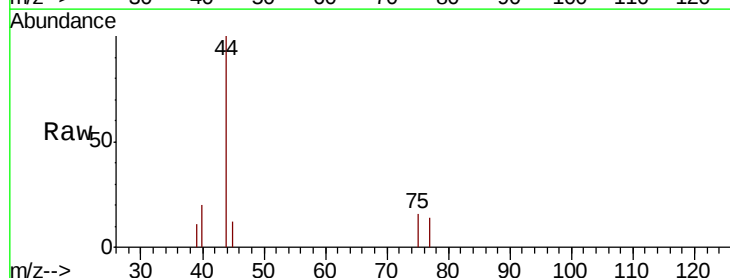
Acq: 29 Apr 2020 13:51

Tgt Ion: 75 Resp: 110

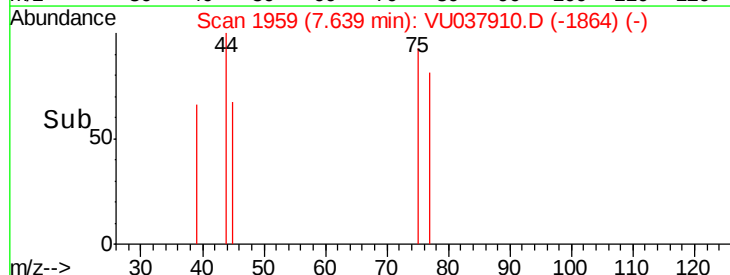
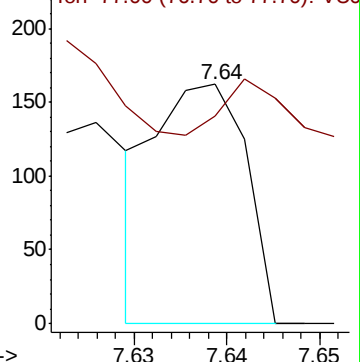
Ion Ratio Lower Upper

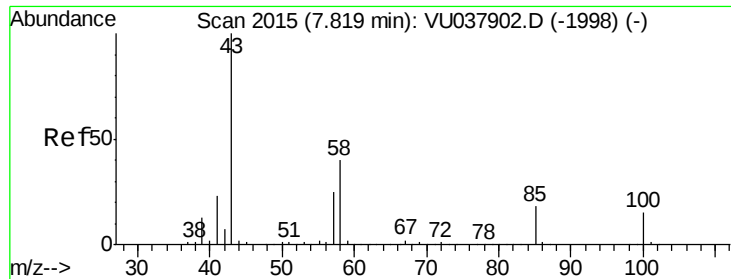
75 100

77 87.0 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VU037910.D (-1864) (-)

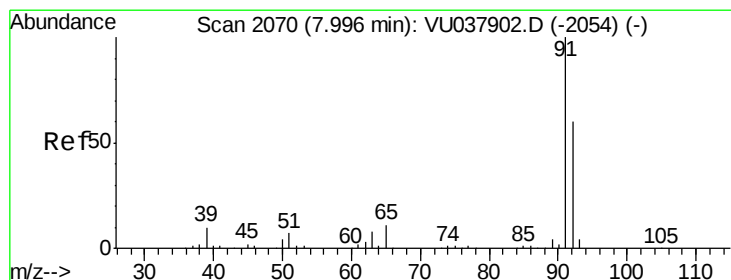
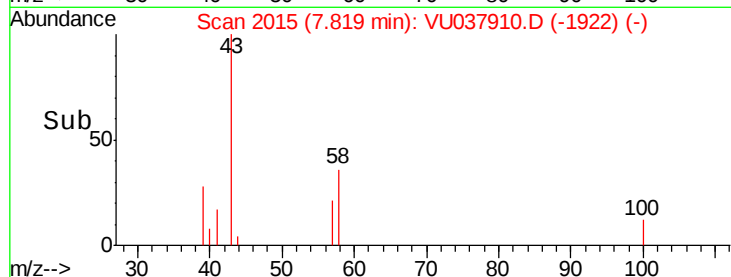
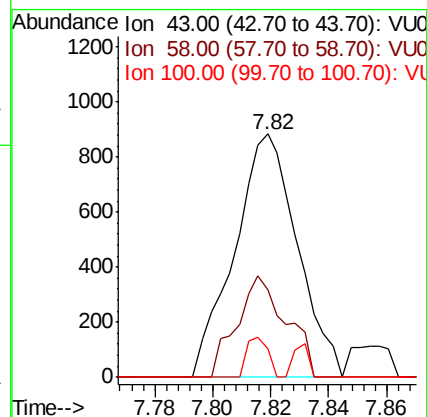
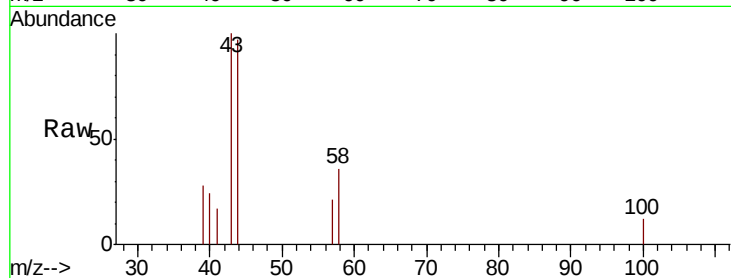




#40
4-Methyl-2-pentanone
Concen: 19.088 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

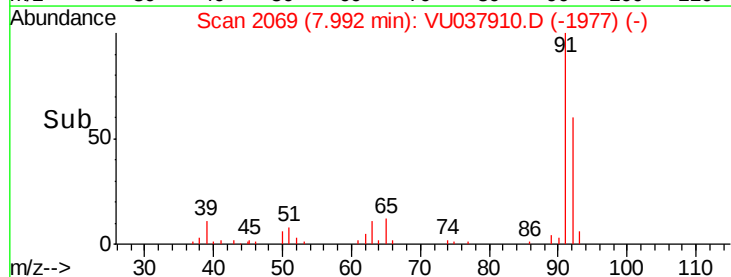
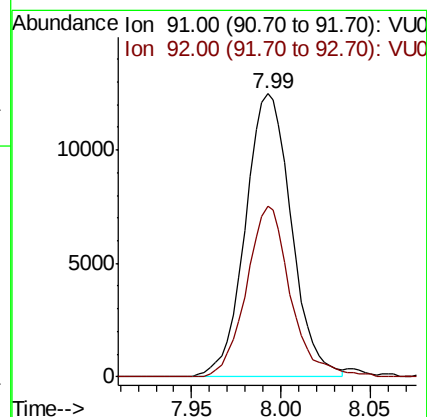
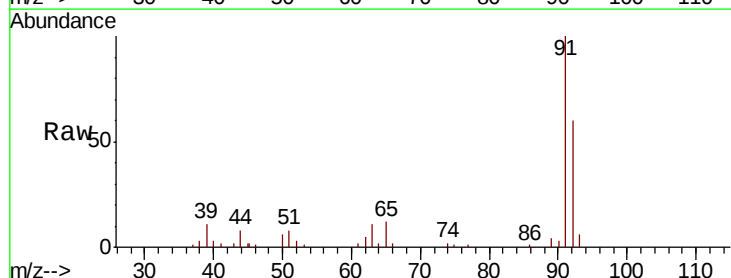
Instrument :
MSVOA_U
ClientSampleId :

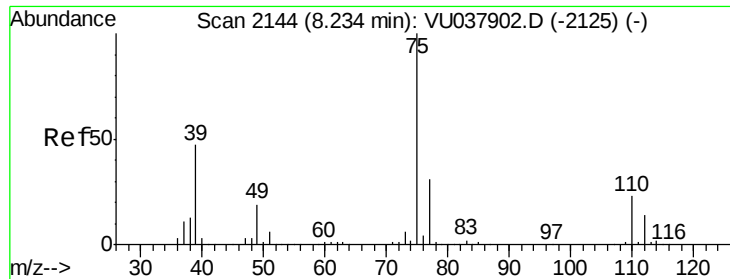
Tot Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
58 32.6 30.2 45.2
100 5.6 10.9 16.3#



#42
Toluene
Concen: 146.425 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Tgt Ion: 91 Resp: 22520
Ion Ratio Lower Upper
91 100
92 60.5 41.2 76.6





#44

trans-1,3-Dichloropropene

Concen: 1.373 ug/L

RT: 8.23 min Scan# 2142

Delta R.T. -0.01 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

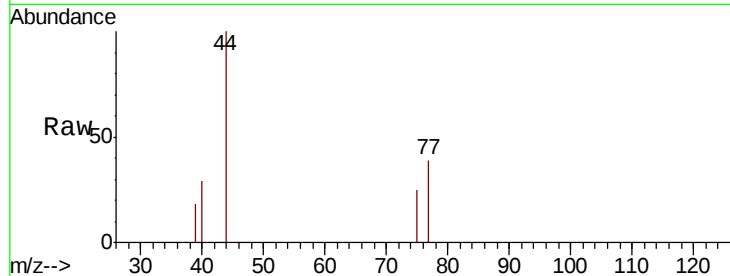
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 85

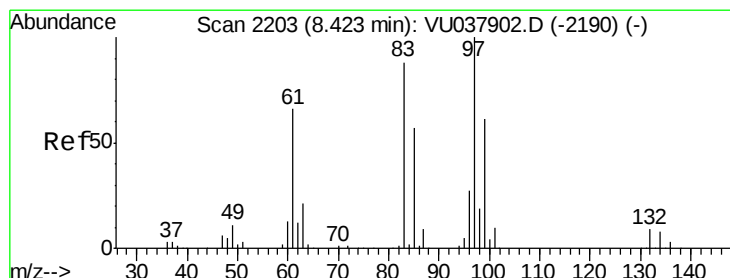
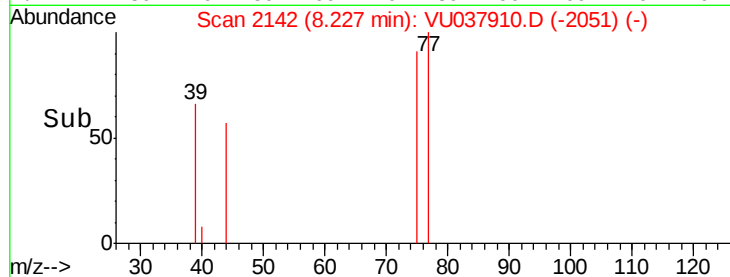
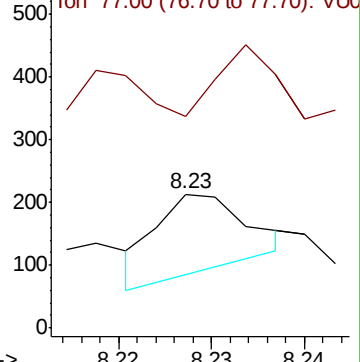
Ion Ratio Lower Upper

75 100

77 158.2 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VU037910.D (-2125) (-)



#45

1,1,2-Trichloroethane

Concen: 27.067 ug/L

RT: 8.42 min Scan# 2201

Delta R.T. -0.01 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Tgt Ion: 97 Resp: 946

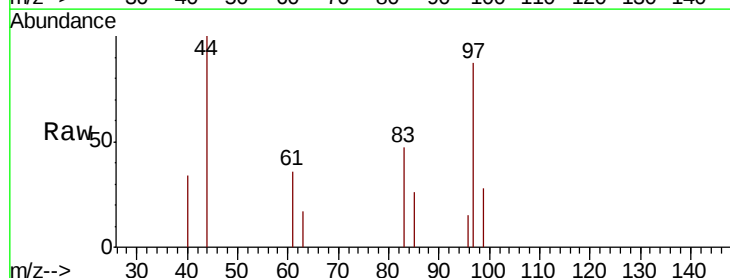
Ion Ratio Lower Upper

97 100

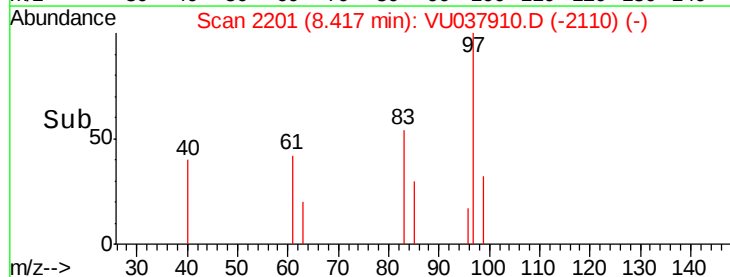
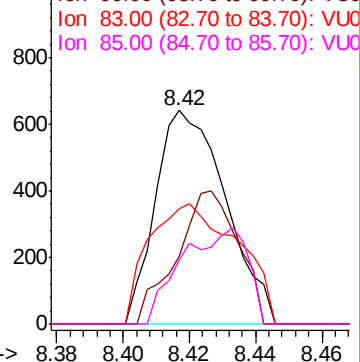
99 32.1 44.0 81.6#

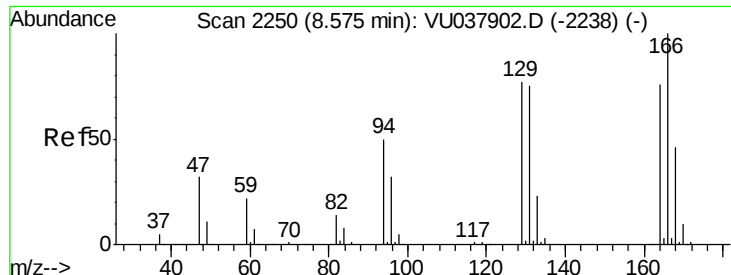
83 54.0 62.6 116.2#

85 29.9 40.0 74.4#



Abundance Ion 97.00 (96.70 to 97.70): VU037910.D (-2190) (-)

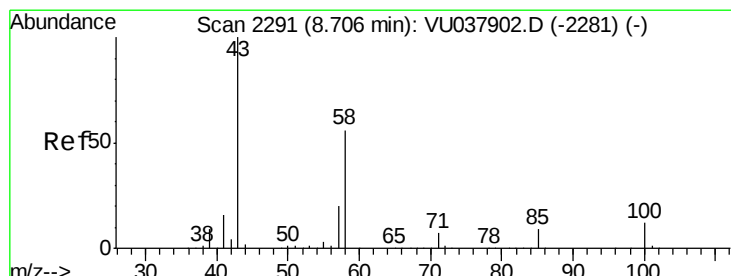
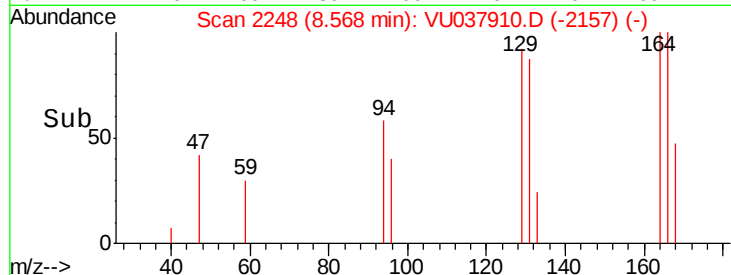
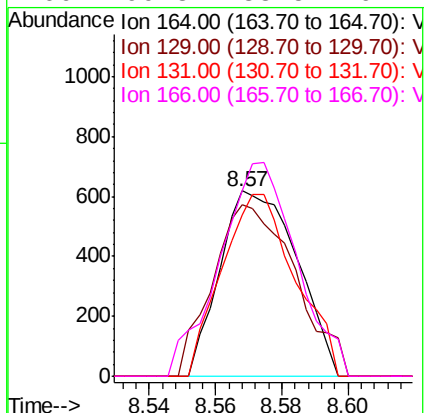
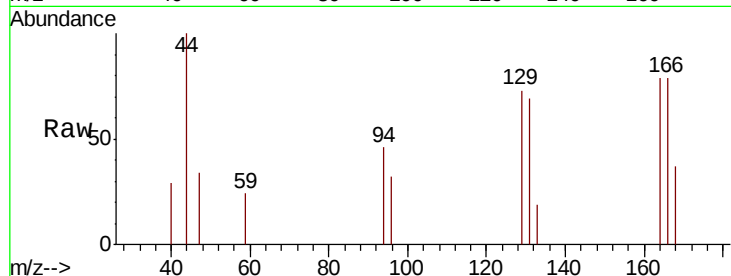




#46
Tetrachloroethene
Concen: 38.099 ug/L
RT: 8.57 min Scan# 2248
Delta R.T. -0.01 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

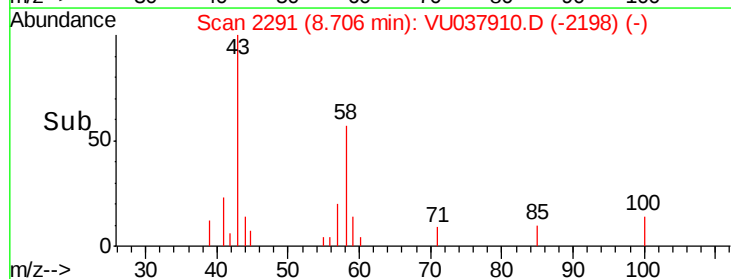
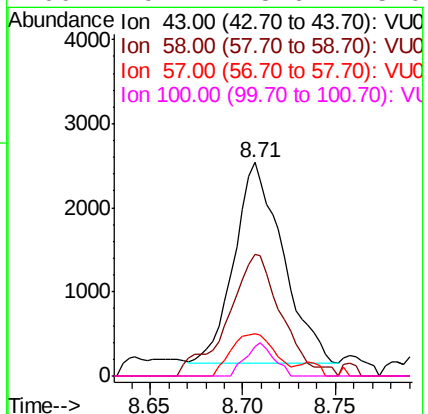
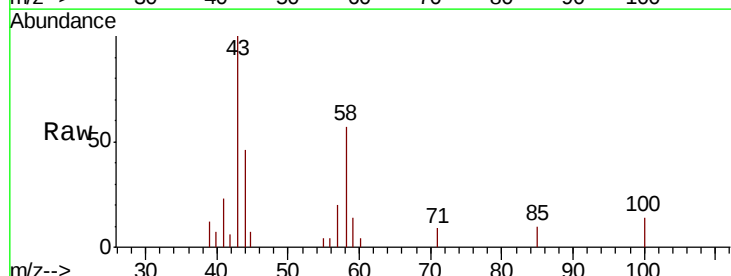
Instrument :
MSVOA_U
ClientSampled :

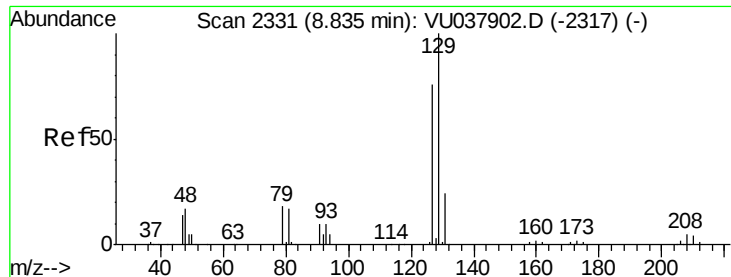
Tot Ion:164 Resp: 1002
Ion Ratio Lower Upper
164 100
129 92.4 67.3 125.1
131 87.2 64.8 120.4
166 99.8 88.5 164.4



#48
2-Hexanone
Concen: 78.942 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037910.D
Acq: 29 Apr 2020 13:51

Tgt Ion: 43 Resp: 4349
Ion Ratio Lower Upper
43 100
58 60.4 42.6 63.8
57 18.7 14.6 22.0
100 9.4 8.6 13.0

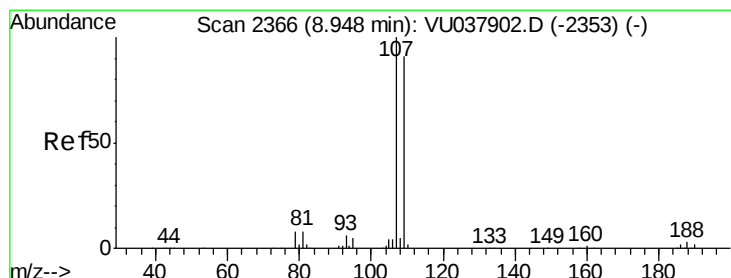
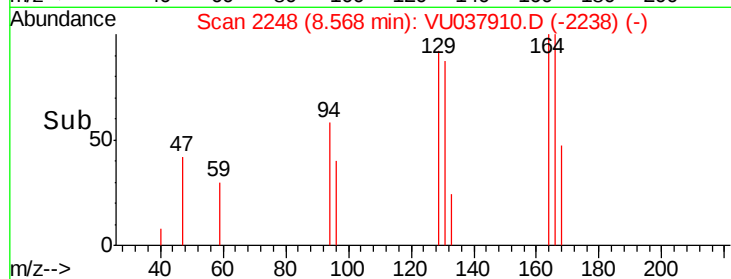
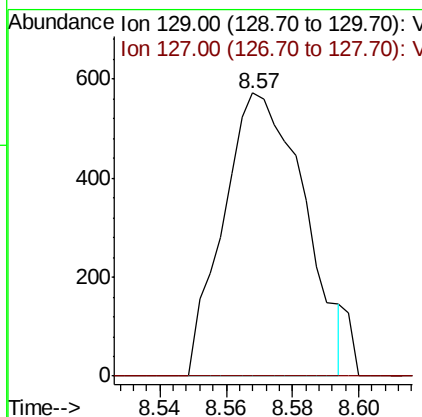
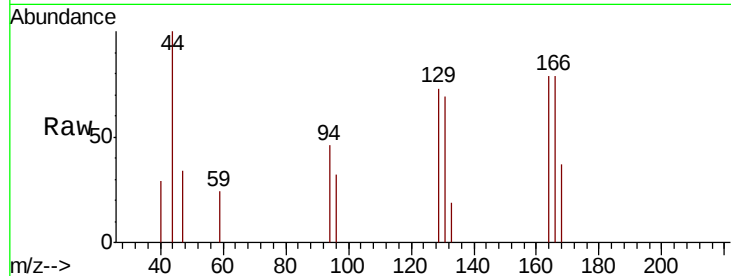




#49
 Dibromochloromethane
 Concen: 26.469 ug/L
 RT: 8.57 min Scan# 2248
 Delta R.T. -0.27 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

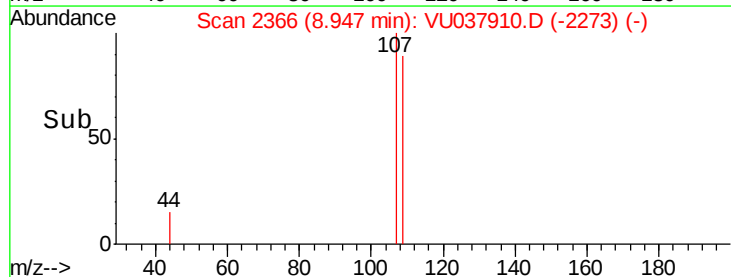
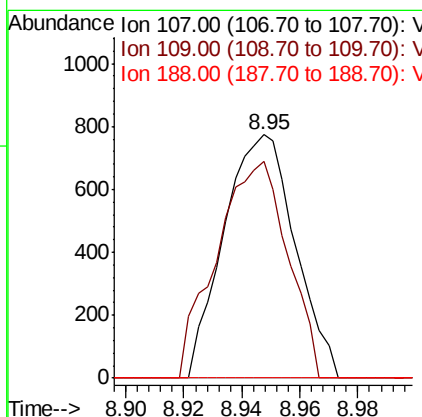
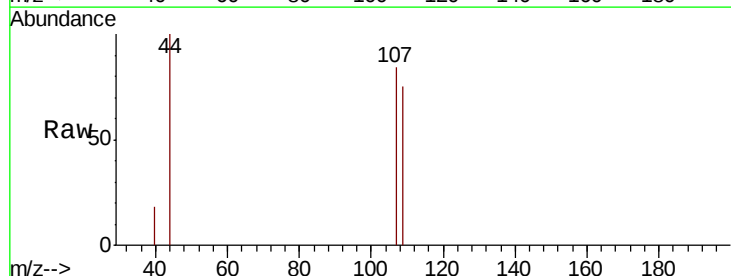
Instrument :
 MSVOA_U
 ClientSampled :

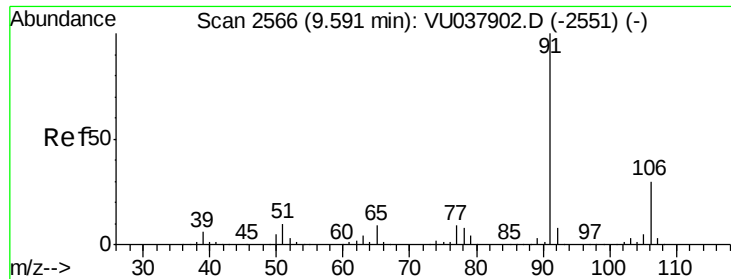
Tot Ion:129 Resp: 966
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.7 101.5#



#50
 1,2-Dibromoethane
 Concen: 34.813 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

Tgt Ion:107 Resp: 1318
 Ion Ratio Lower Upper
 107 100
 109 89.0 65.7 122.1
 188 0.0 2.9 4.3#





#52

Ethylbenzene

Concen: 331.320 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

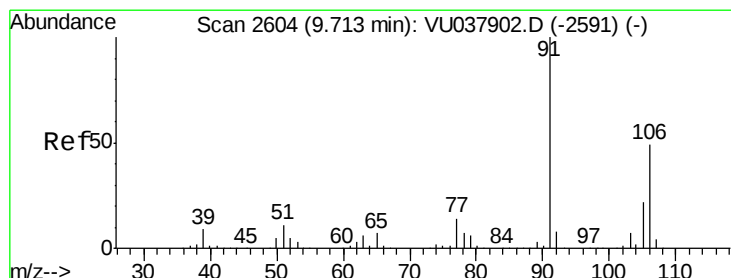
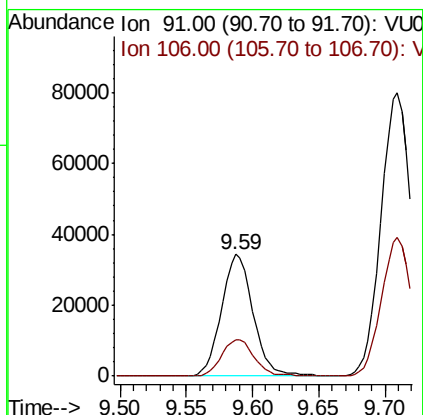
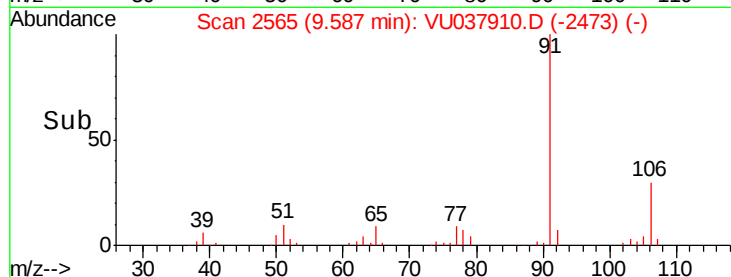
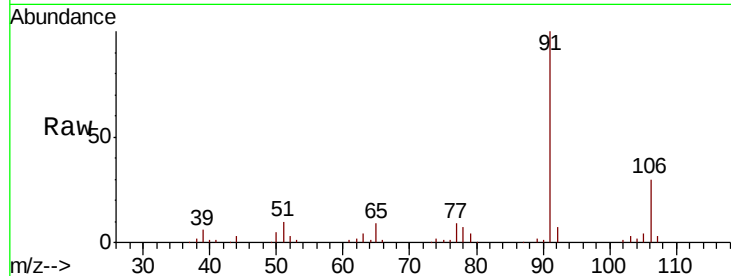
ClientSampleId :

Tot Ion: 91 Resp: 57064

Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.1



#53

m,p-Xylene

Concen: 1006.788 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU037910.D

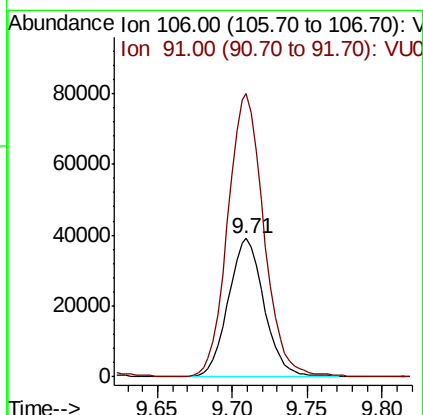
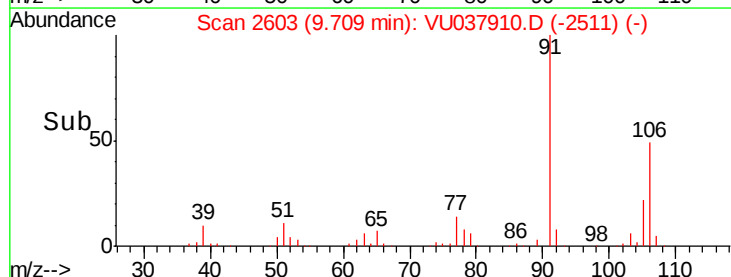
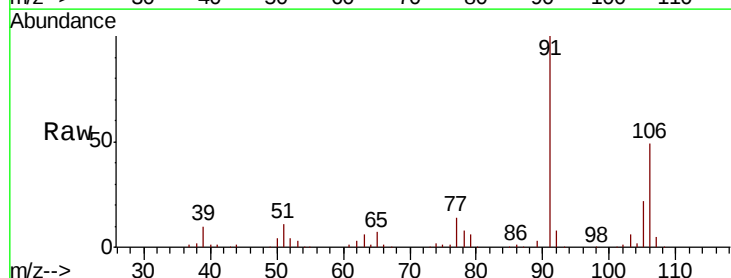
Acq: 29 Apr 2020 13:51

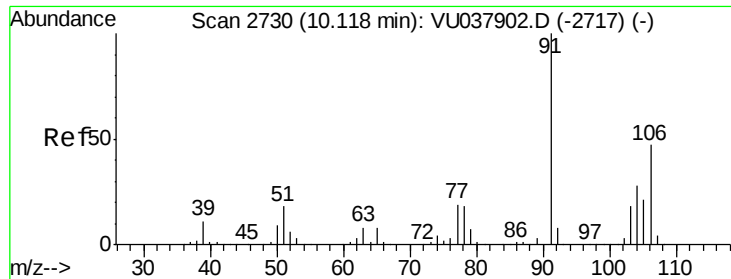
Tgt Ion: 106 Resp: 65287

Ion Ratio Lower Upper

106 100

91 204.2 142.8 265.2





#54

o-xylene

Concen: 345.929 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

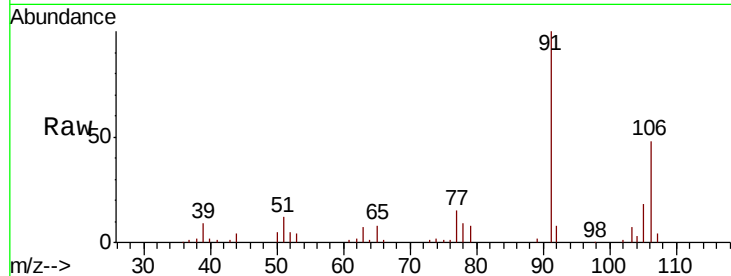
ClientSampled :

Tot Ion:106 Resp: 21939

Ion Ratio Lower Upper

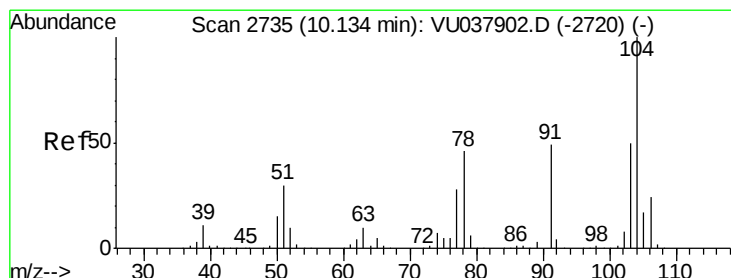
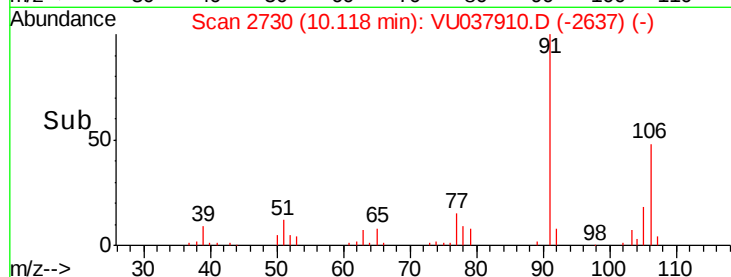
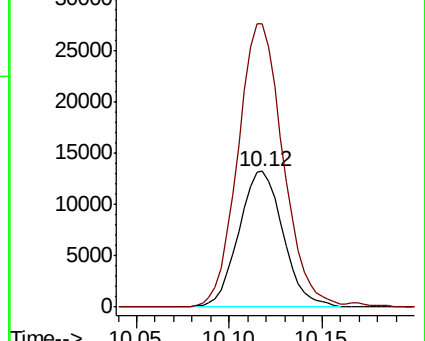
106 100

91 207.8 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 12.304 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.02 min

Lab File: VU037910.D

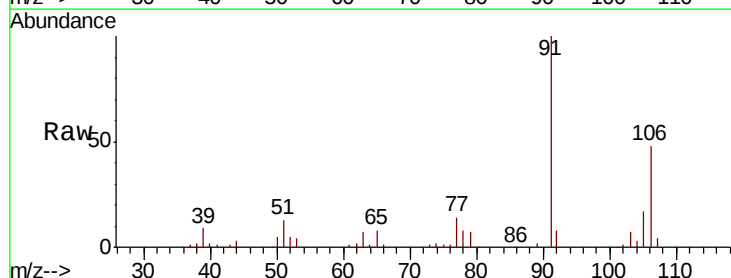
Acq: 29 Apr 2020 13:51

Tgt Ion:104 Resp: 1342

Ion Ratio Lower Upper

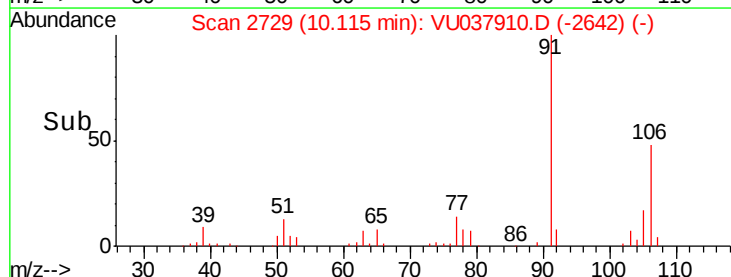
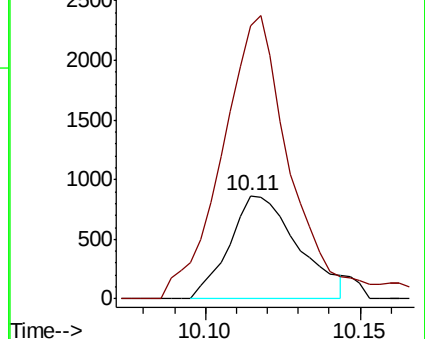
104 100

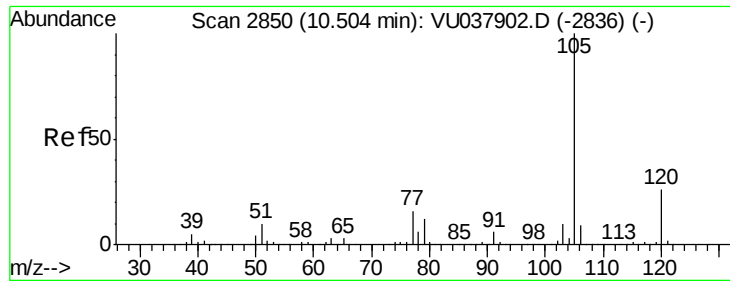
78 264.0 32.6 60.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 81.021 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

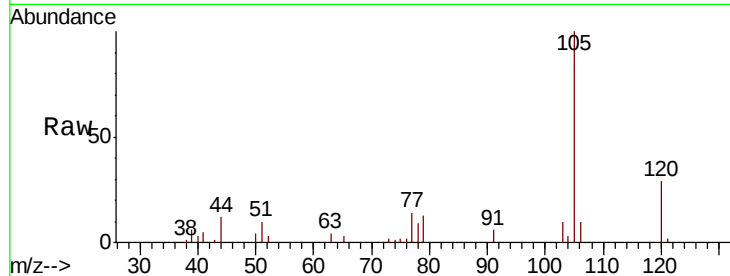
Tot Ion:105 Resp: 13599

Ion Ratio Lower Upper

105 100

120 27.3 20.6 31.0

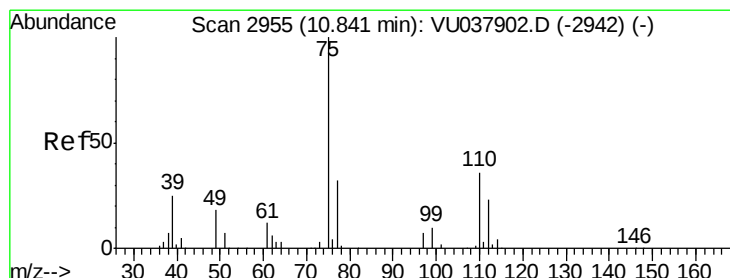
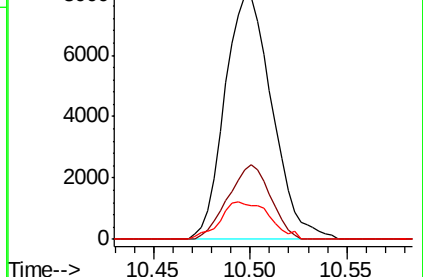
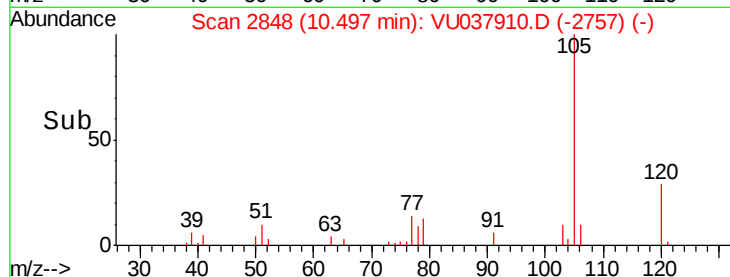
77 15.6 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 2.806 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.05 min

Lab File: VU037910.D

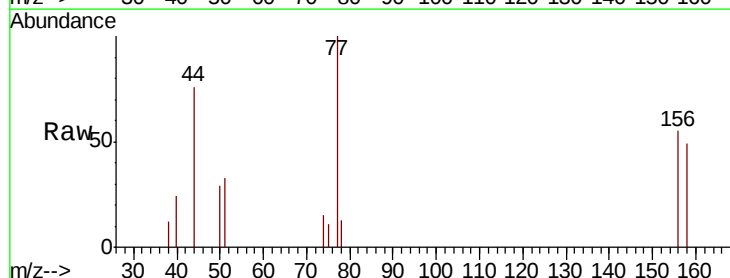
Acq: 29 Apr 2020 13:51

Tgt Ion: 75 Resp: 151

Ion Ratio Lower Upper

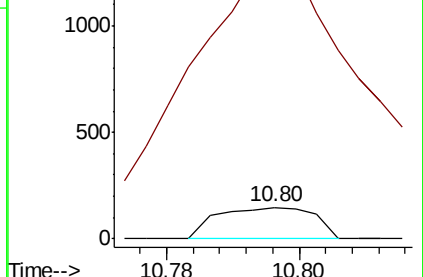
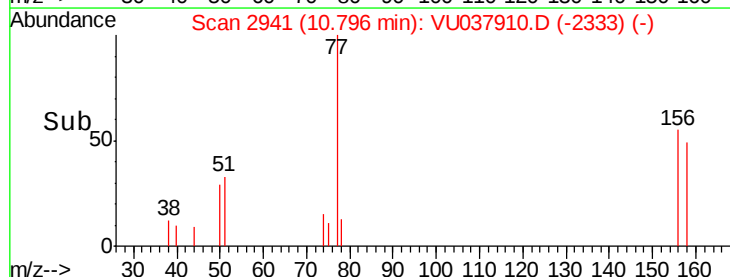
75 100

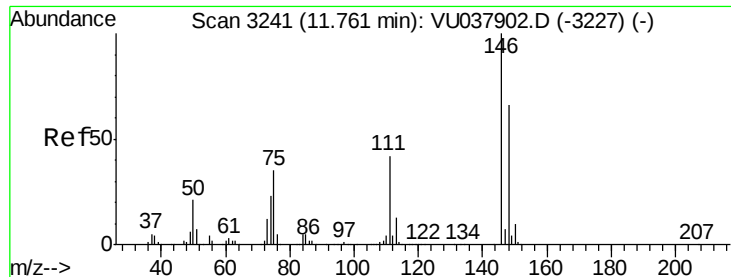
77 1703.3 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 14.122 ug/L

RT: 11.75 min Scan# 3239

Delta R.T. -0.01 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

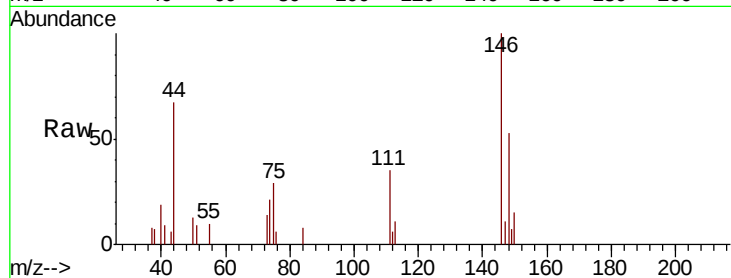
Tot Ion:146 Resp: 2862

Ion Ratio Lower Upper

146 100

111 35.0 29.0 53.9

148 52.9 44.5 82.7

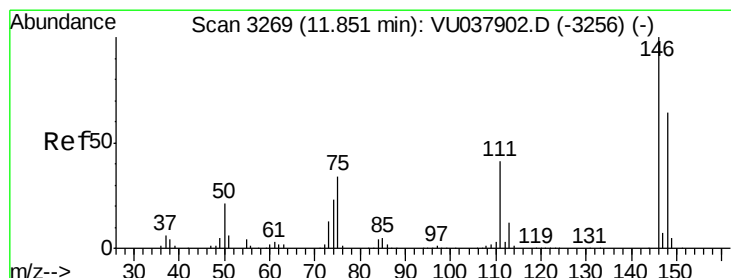
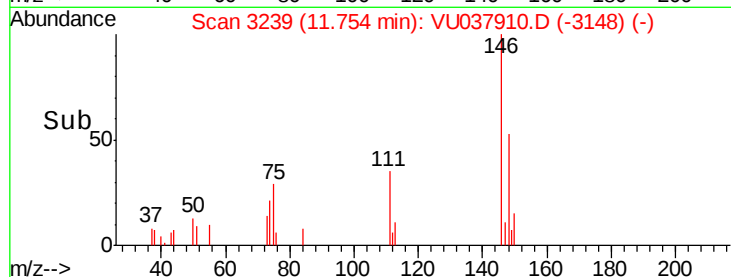
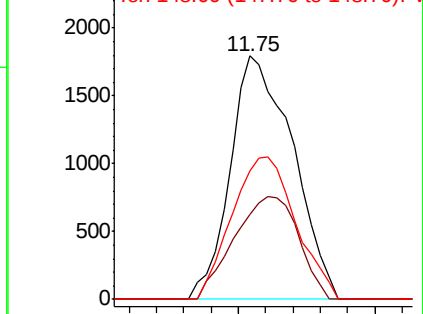


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 3.989 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

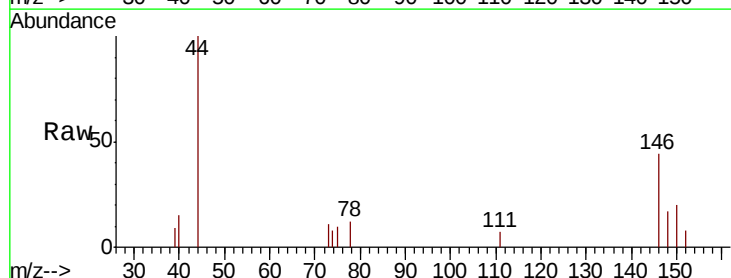
Tgt Ion:146 Resp: 816

Ion Ratio Lower Upper

146 100

111 16.6 27.2 50.4#

148 38.4 43.9 81.5#

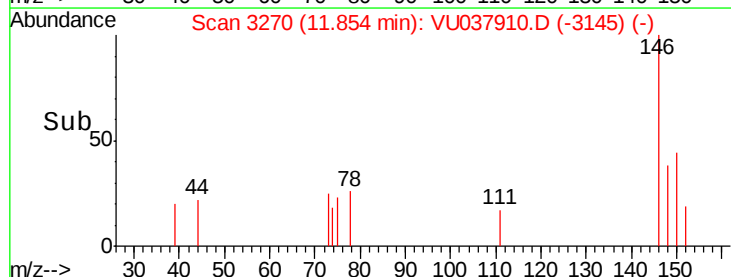
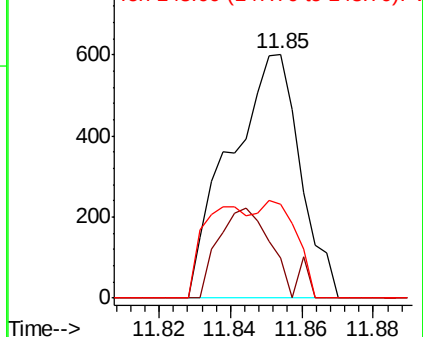


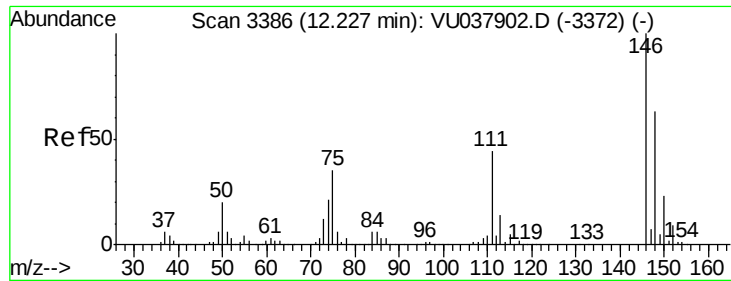
Abundance

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: 1.290 ug/L

RT: 12.22 min Scan# 3384

Delta R.T. -0.01 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

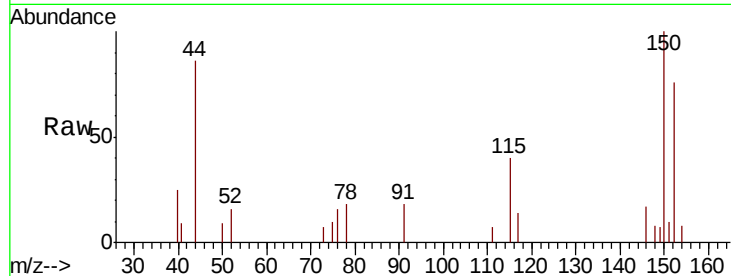
Tot Ion:146 Resp: 254

Ion Ratio Lower Upper

146 100

111 45.3 35.4 53.2

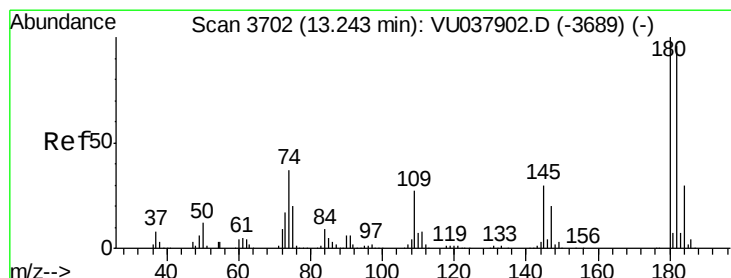
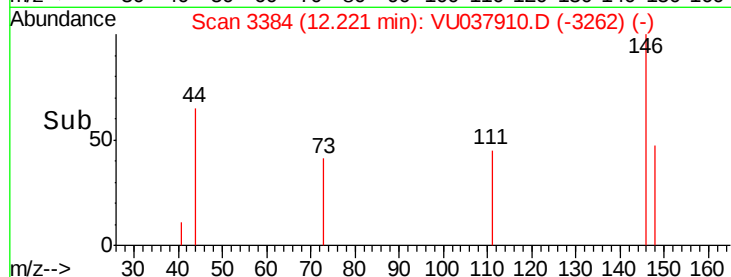
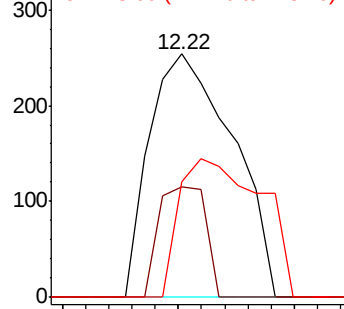
148 47.2 49.8 74.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 39.434 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.62 min

Lab File: VU037910.D

Acq: 29 Apr 2020 13:51

Tgt Ion:180 Resp: 5808

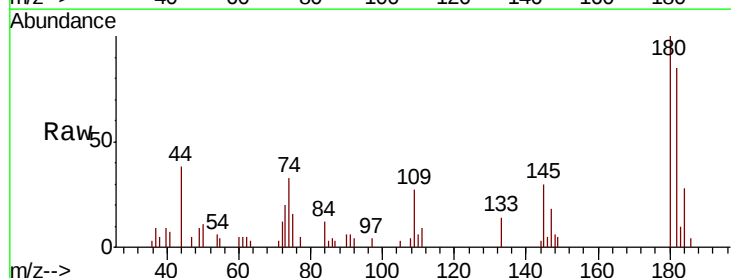
Ion Ratio Lower Upper

180 100

182 89.6 76.5 114.7

184 29.4 24.2 36.4

145 32.9 24.2 36.4

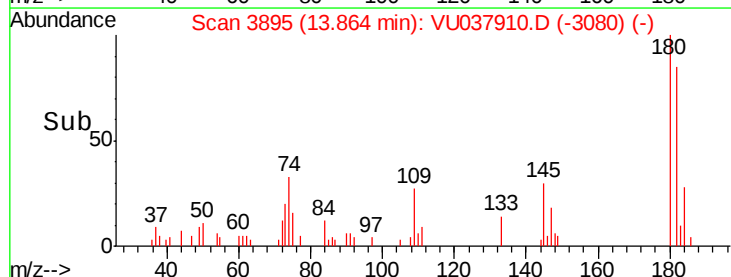
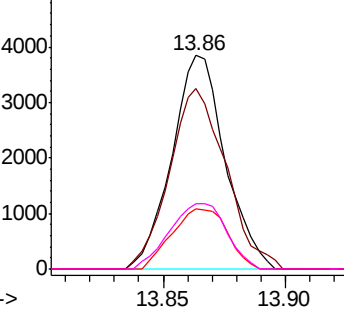


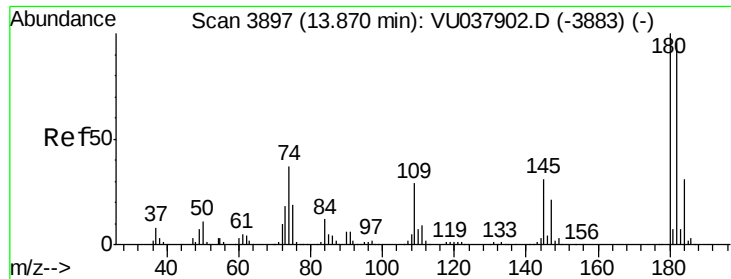
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

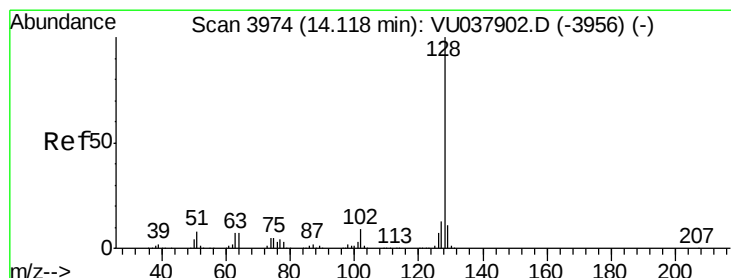
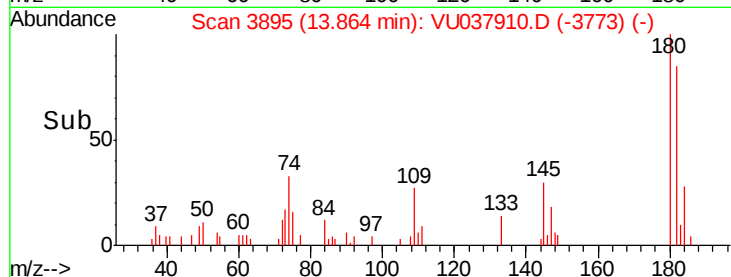
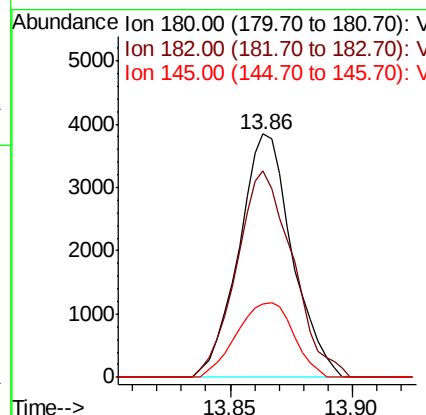
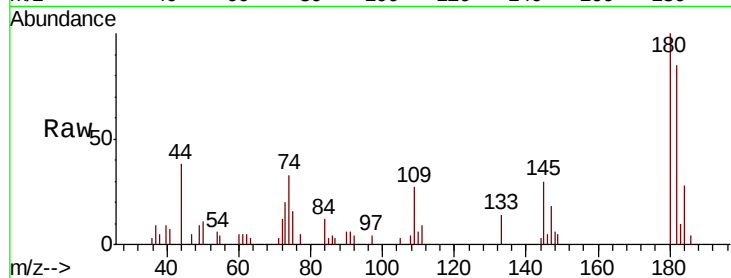




#68
 1,2,4-trichlorobenzene
 Concen: 40.545 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

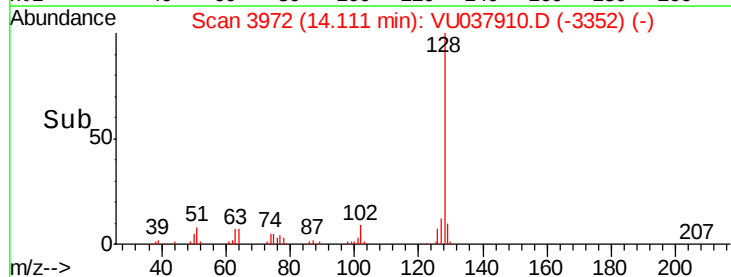
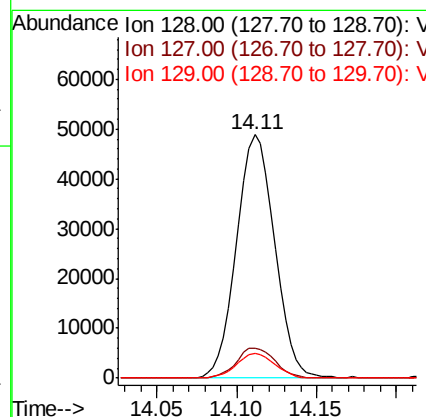
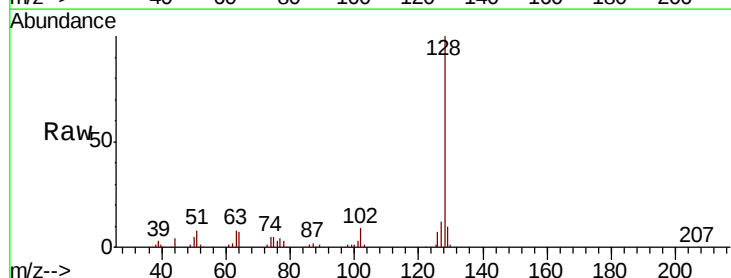
Instrument :
 MSVOA_U
 ClientSampled :

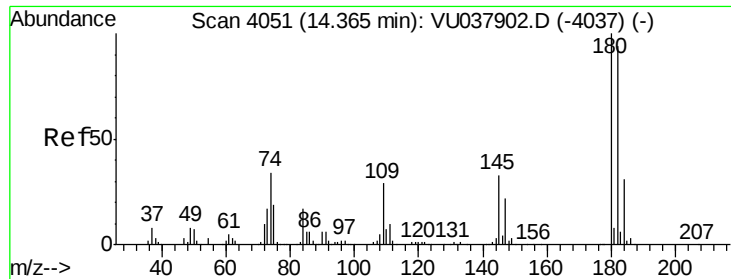
Tot Ion:180 Resp: 5808
 Ion Ratio Lower Upper
 180 100
 182 89.6 76.9 115.3
 145 32.9 23.8 35.8



#69
 Naphthalene
 Concen: 154.608 ug/L
 RT: 14.11 min Scan# 3972
 Delta R.T. -0.01 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

Tgt Ion:128 Resp: 79417
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.5 15.7
 129 10.1 8.6 13.0





#70
 1,2,3-Trichlorobenzene
 Concen: 3.549 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. -0.00 min
 Lab File: VU037910.D
 Acq: 29 Apr 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	76.6	114.8
145	76.3	26.1	39.1

