

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072320\
 Data File : VU039636.D
 Acq On : 23 Jul 2020 13:46
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 01:35:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 13:03:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	225265	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	219224	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	117234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	64462	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.92%
7) Chloroethane-d5	1.92	69	73964	42.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.18%
11) 1,1-Dichloroethene-d2	2.58	63	142158	45.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.58%
21) 2-Butanone-d5	4.65	46	158213	93.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.45%
24) Chloroform-d	5.08	84	156478	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.72	65	104385	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
32) Benzene-d6	5.74	84	288843	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
36) 1,2-Dichloropropane-d6	6.70	67	92259	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.44%
41) Toluene-d8	7.91	98	272284	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%
43) trans-1,3-Dichloropropene-	8.19	79	47851	47.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.98%
47) 2-Hexanone-d5	8.64	63	108952	100.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	148355	46.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.86%
64) 1,2-Dichlorobenzene-d4	12.19	152	117778	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	72850	47.479	ug/L	98
3) Chloromethane	1.53	50	74146	46.505	ug/L	95
5) Vinyl chloride	1.61	62	77211	47.662	ug/L	99
6) Bromomethane	1.87	94	54887	45.091	ug/L	98
8) Chloroethane	1.94	64	65011	45.126	ug/L	97
9) Trichlorofluoromethane	2.15	101	147467	51.511	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	64963	47.144	ug/L	99
12) 1,1-Dichloroethene	2.59	96	61544	47.892	ug/L	93
13) Acetone	2.65	43	101544	90.125	ug/L	97
14) Carbon disulfide	2.81	76	200400	48.737	ug/L	98
15) Methyl Acetate	2.97	43	101139	50.106	ug/L	98
16) Methylene chloride	3.06	84	76067	49.427	ug/L	95
17) trans-1,2-Dichloroethene	3.37	96	70670	49.421	ug/L	94
18) Methyl tert-butyl Ether	3.38	73	232217	50.254	ug/L	99
19) 1,1-Dichloroethane	3.89	63	134171	48.081	ug/L	95
20) cis-1,2-Dichloroethene	4.68	96	79583	48.699	ug/L	96
22) 2-Butanone	4.73	43	158072	99.551	ug/L	99

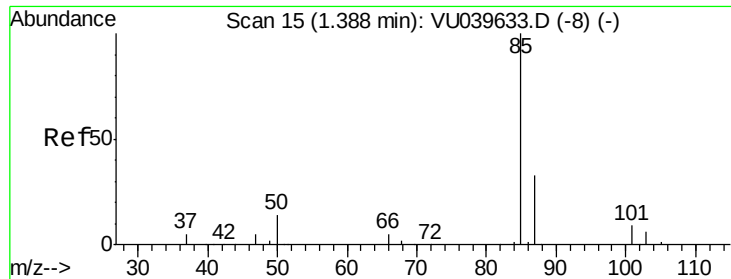
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039636.D
 Acq On : 23 Jul 2020 13:46
 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 13:03:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	40780	49.653	ug/L	97
25) Chloroform	5.11	83	145787	47.100	ug/L	98
27) 1,2-Dichloroethane	5.81	62	121793	47.453	ug/L	98
29) Cyclohexane	5.40	56	120789	50.716	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	129016	49.159	ug/L	97
31) Carbon tetrachloride	5.54	117	111034	51.003	ug/L	99
33) Benzene	5.79	78	303417	50.218	ug/L	100
34) Trichloroethene	6.56	95	81697	51.121	ug/L	96
35) Methylcyclohexane	6.77	83	121791	49.288	ug/L	99
37) 1,2-Dichloropropane	6.80	63	78733	48.132	ug/L	99
38) Bromodichloromethane	7.12	83	111740	51.436	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	120460	49.276	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	289487	101.583	ug/L	99
42) Toluene	7.98	91	328493	49.439	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	121963	50.945	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	77559	49.720	ug/L	98
46) Tetrachloroethene	8.56	164	59317	49.071	ug/L	96
48) 2-Hexanone	8.69	43	237404	102.239	ug/L	99
49) Dibromochloromethane	8.82	129	88737	50.382	ug/L	97
50) 1,2-Dibromoethane	8.93	107	88977	51.269	ug/L	98
51) Chlorobenzene	9.45	112	211344	49.849	ug/L	97
52) Ethylbenzene	9.57	91	370480	50.457	ug/L	99
53) m,p-Xylene	9.70	106	140764	50.859	ug/L	94
54) o-xylene	10.10	106	138404	52.108	ug/L	99
55) Styrene	10.11	104	240388	52.300	ug/L	99
56) Isopropylbenzene	10.48	105	370086	51.325	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	141188	49.657	ug/L	99
59) 1,2,3-Trichloropropane	10.83	75	117013	49.299	ug/L	99
61) Bromoform	10.29	173	68934	49.710	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	175428	48.850	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	176891	49.168	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	177732	48.978	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	37481	51.631	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	126367	48.794	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	112932	51.384	ug/L	96
69) Naphthalene	14.08	128	372190	56.451	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	115662	52.094	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.479 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

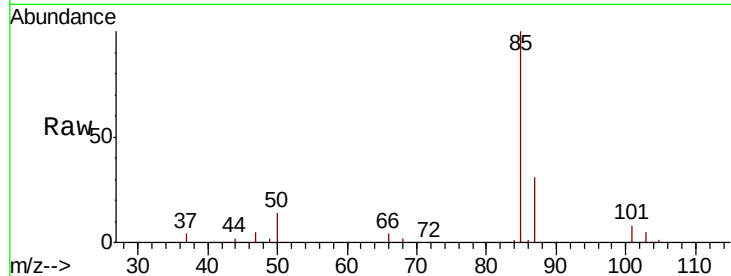
ClientSampleId :

Tot Ion: 85 Resp: 72850

Ion Ratio Lower Upper

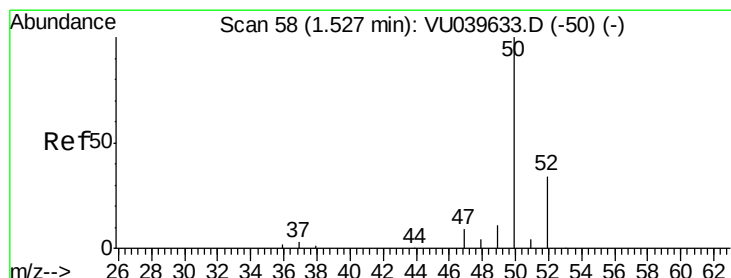
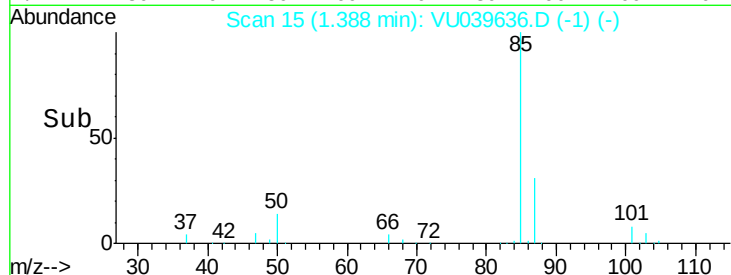
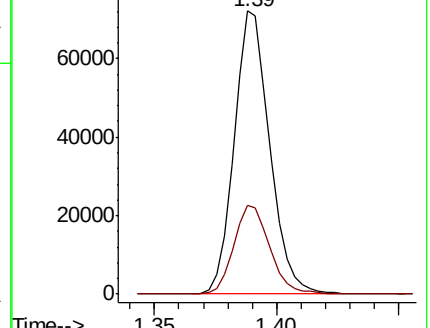
85 100

87 31.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039636.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039636.D (-8) (-)



#3

Chloromethane

Concen: 46.505 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039636.D

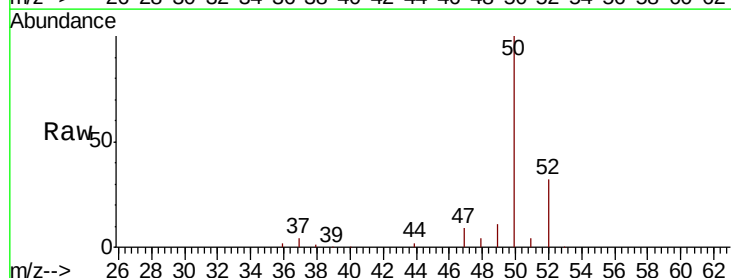
Acq: 23 Jul 2020 13:46

Tgt Ion: 50 Resp: 74146

Ion Ratio Lower Upper

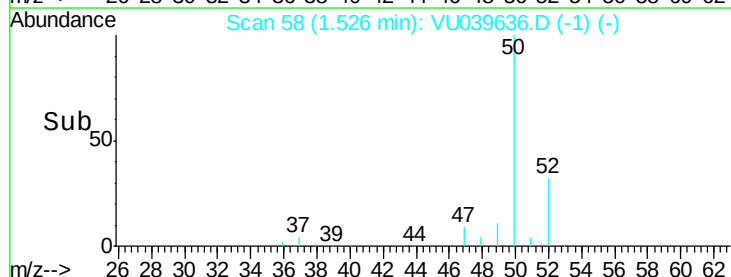
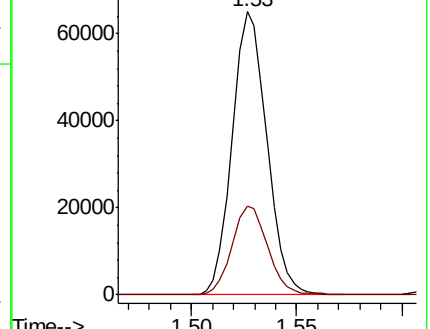
50 100

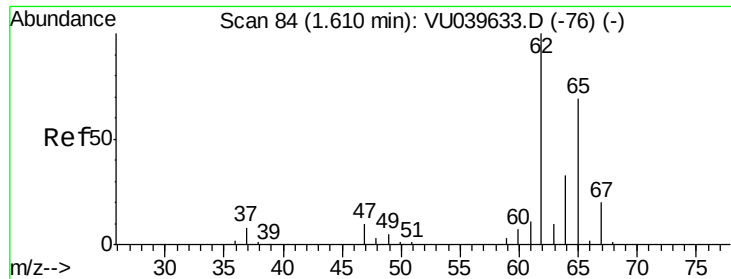
52 31.6 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039636.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039636.D (-50) (-)





#5

Vinyl chloride

Concen: 47.662 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

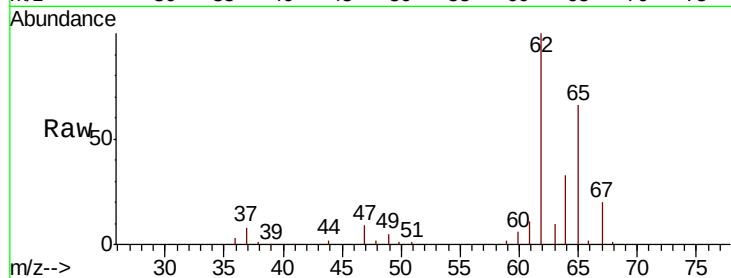
ClientSampled :

Tot Ion: 62 Resp: 77211

Ion Ratio Lower Upper

62 100

64 33.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039636.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU039636.D (-76) (-)

1.61

80000

60000

40000

20000

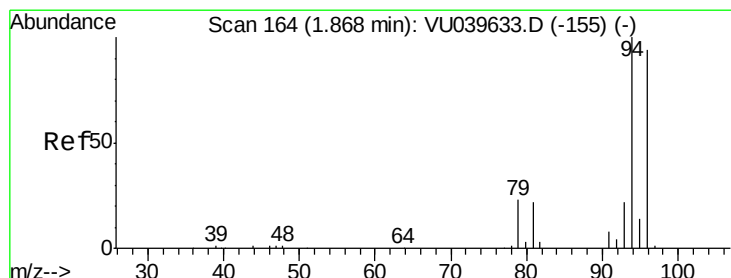
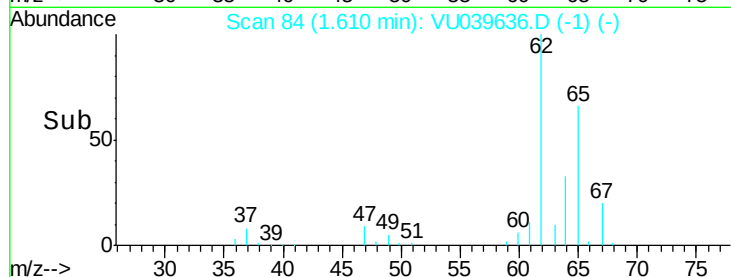
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 45.091 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039636.D

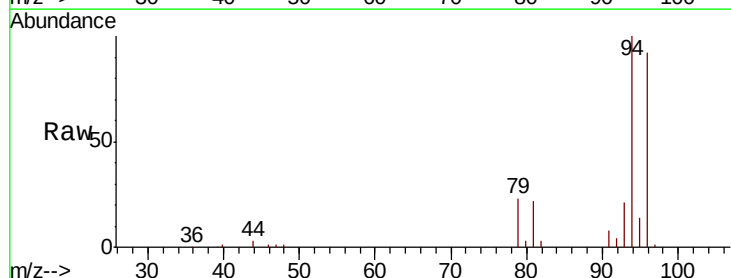
Acq: 23 Jul 2020 13:46

Tgt Ion: 94 Resp: 54887

Ion Ratio Lower Upper

94 100

96 91.8 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039636.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039636.D (-155) (-)

1.87

50000

40000

30000

20000

10000

0

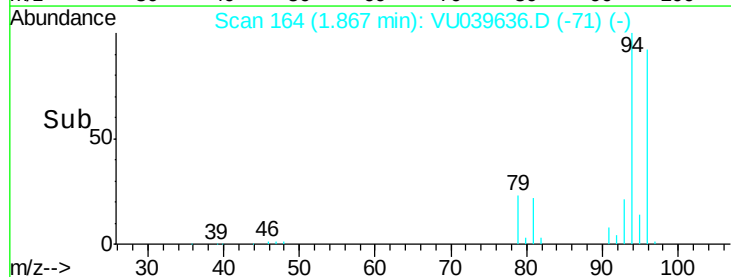
Time-->

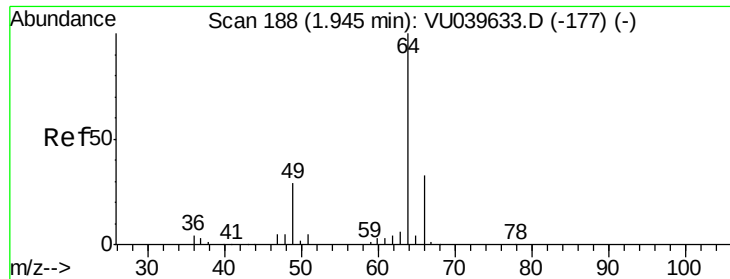
1.80

1.85

1.90

1.95





#8

Chloroethane

Concen: 45.126 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

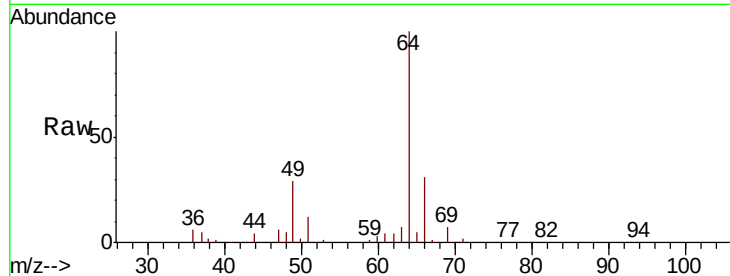
ClientSampleId :

Tot Ion: 64 Resp: 65011

Ion Ratio Lower Upper

64 100

66 30.9 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VU039636.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU039636.D (-177) (-)

1.94

50000

40000

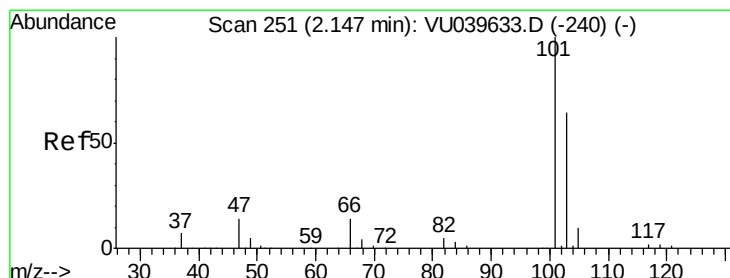
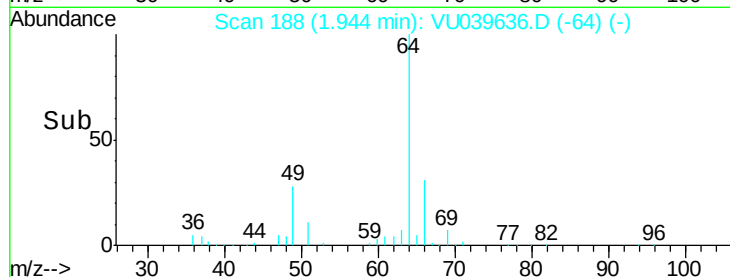
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.511 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039636.D

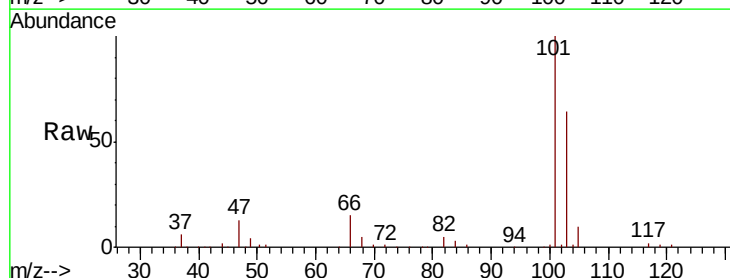
Acq: 23 Jul 2020 13:46

Tgt Ion:101 Resp: 147467

Ion Ratio Lower Upper

101 100

103 64.1 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU039636.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039636.D (-240) (-)

2.15

120000

100000

80000

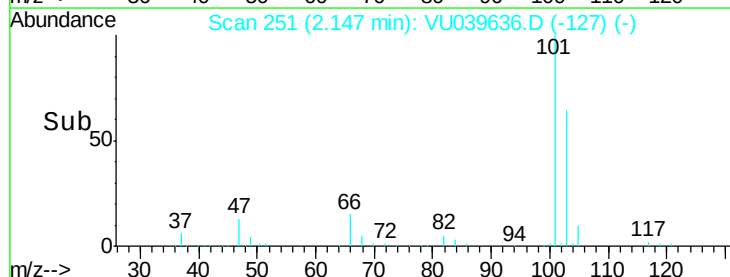
60000

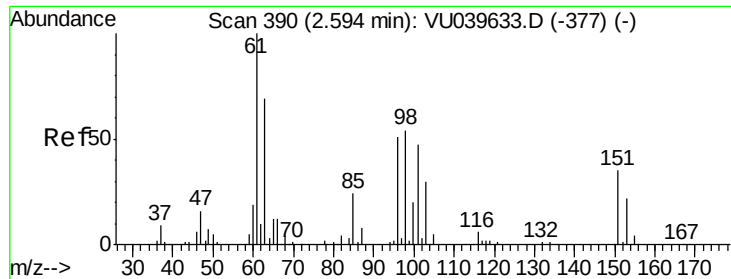
40000

20000

0

Time-->





#10

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

Concen: 47.144 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

ClientSampled :

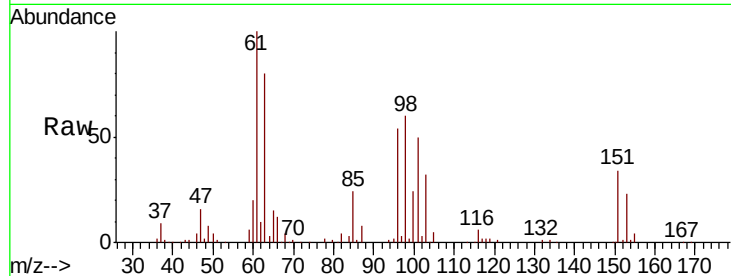
Tot Ion:101 Resp: 64963

Ion Ratio Lower Upper

101 100

85 48.2 39.7 59.5

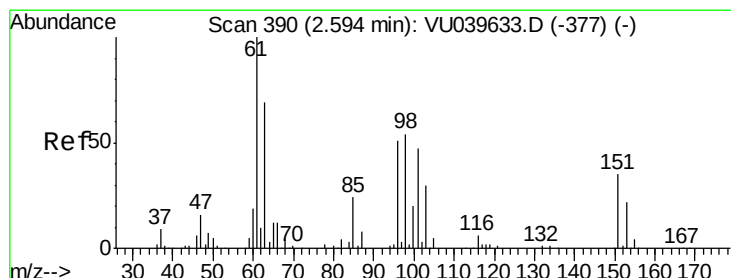
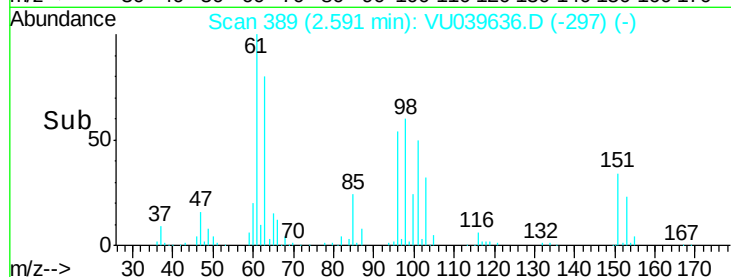
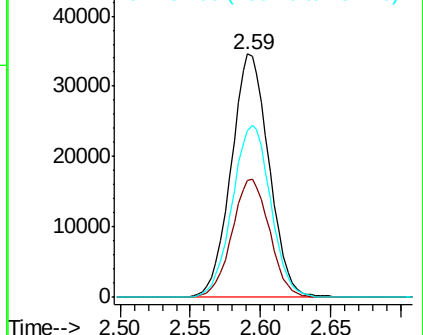
151 71.8 57.4 86.2



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: 47.892 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

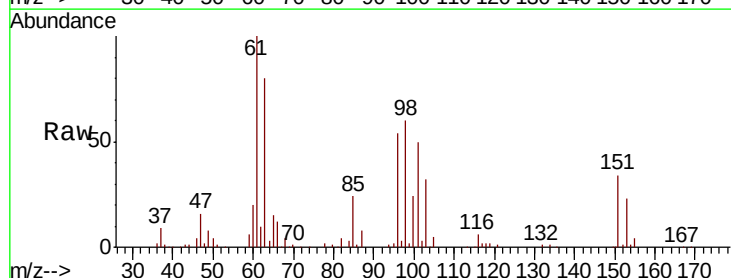
Tgt Ion: 96 Resp: 61544

Ion Ratio Lower Upper

96 100

61 183.8 136.6 253.6

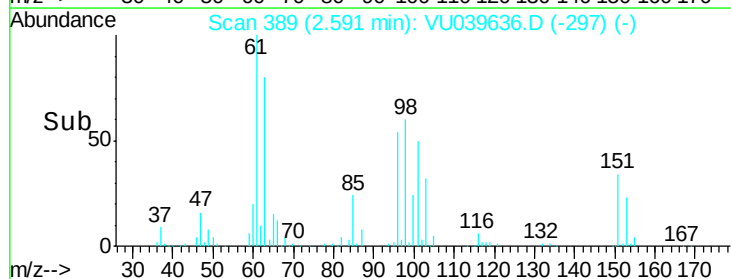
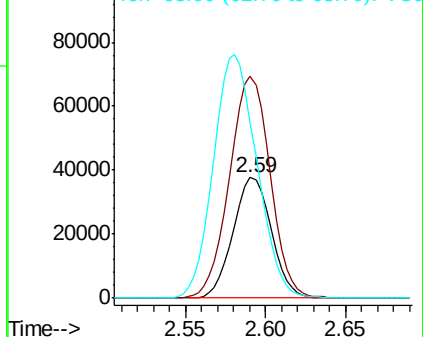
63 146.2 97.2 180.6

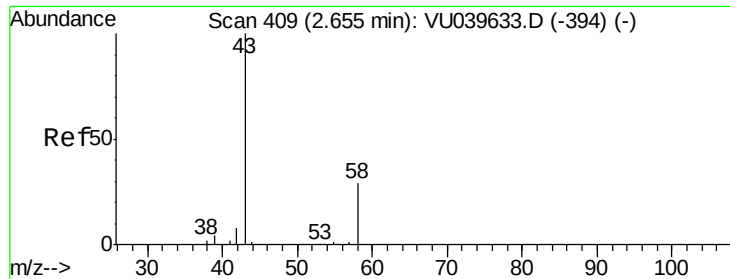


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.125 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

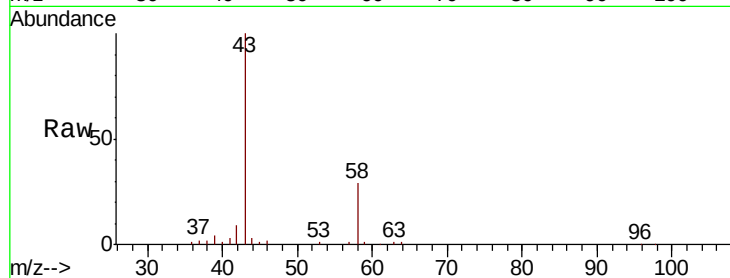
ClientSampleId :

Tot Ion: 43 Resp: 101544

Ion Ratio Lower Upper

43 100

58 28.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039636.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU039636.D (-316) (-)

40000

30000

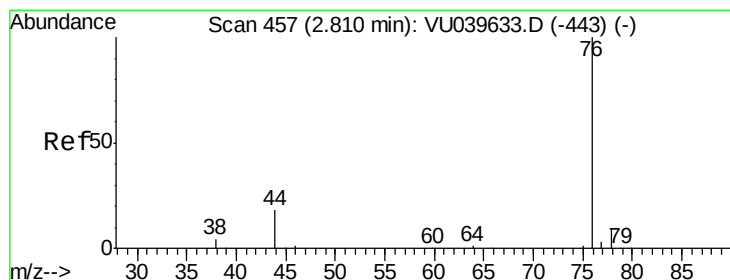
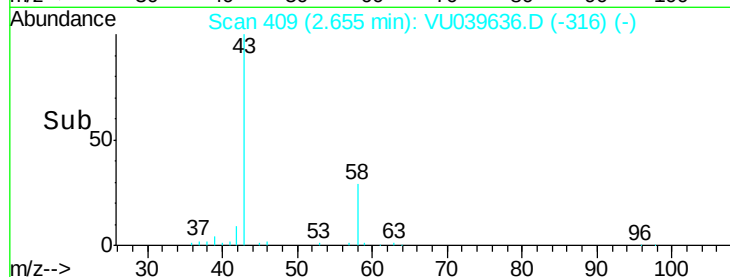
20000

10000

0

2.60 2.65 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 48.737 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039636.D

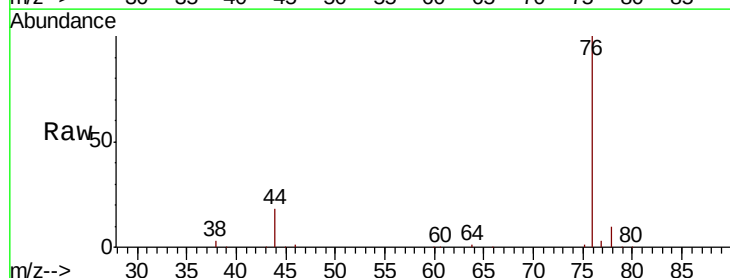
Acq: 23 Jul 2020 13:46

Tgt Ion: 76 Resp: 200400

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039636.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU039636.D (-364) (-)

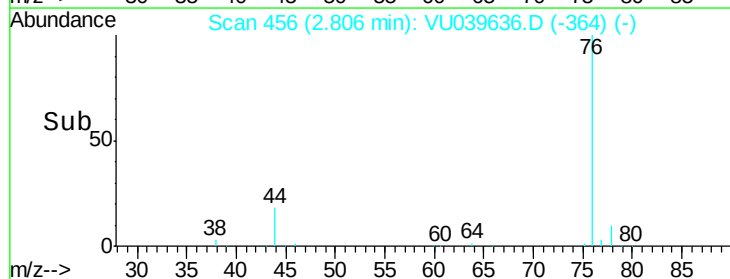
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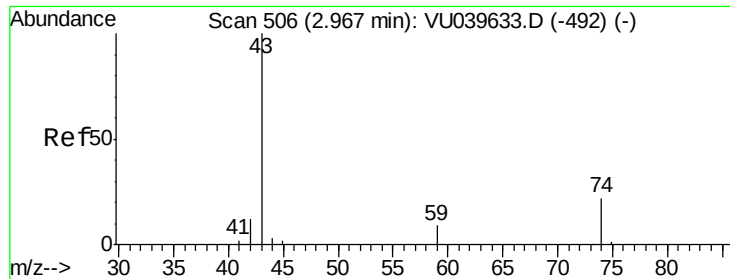
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0

2.70 2.80 2.90

Time-->

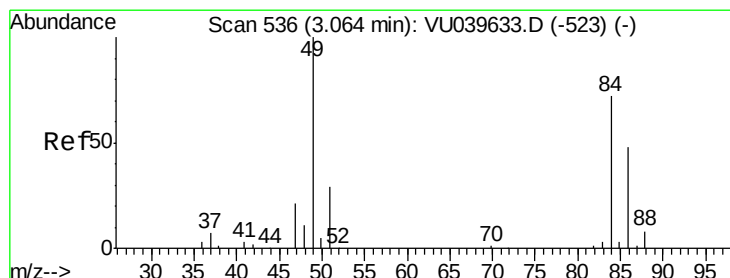
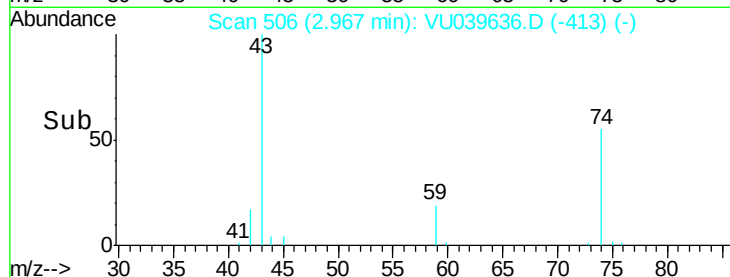
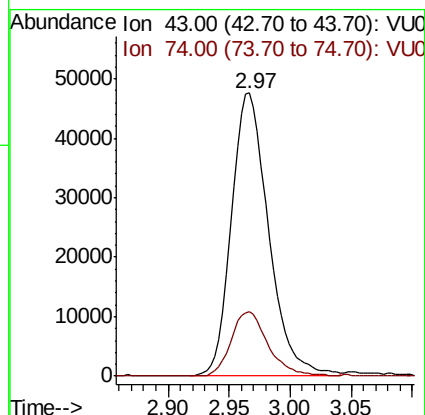
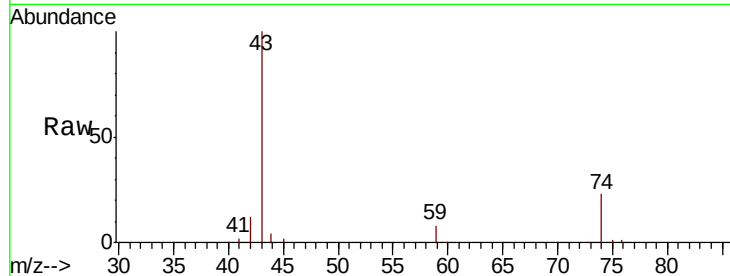




#15
Methyl Acetate
Concen: 50.106 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

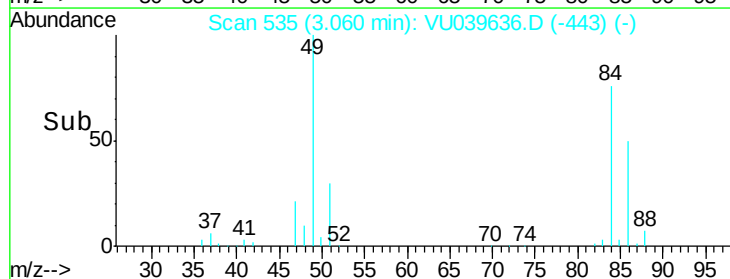
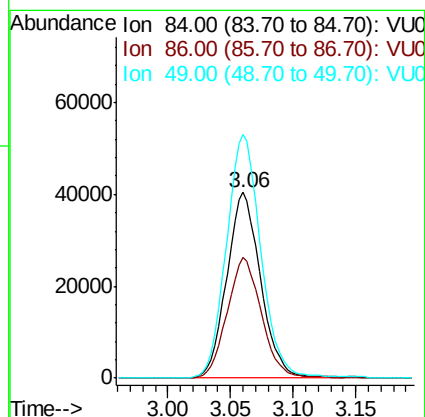
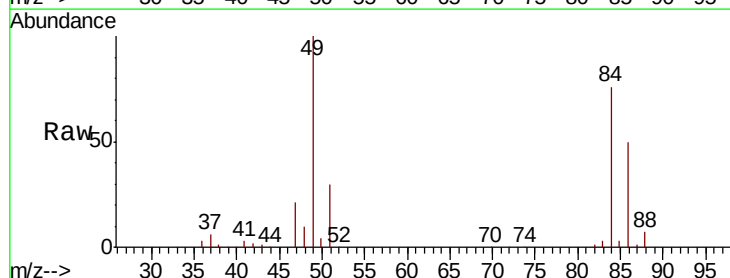
Instrument :
MSVOA_U
ClientSampled :

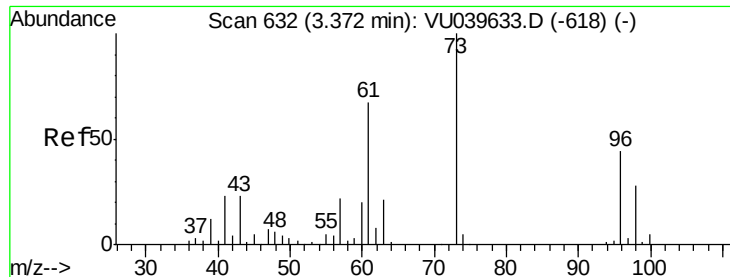
Tot Ion: 43 Resp: 101139
Ion Ratio Lower Upper
43 100
74 22.8 17.4 26.0



#16
Methylene chloride
Concen: 49.427 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Tgt Ion: 84 Resp: 76067
Ion Ratio Lower Upper
84 100
86 65.2 46.2 85.8
49 131.3 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 49.421 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

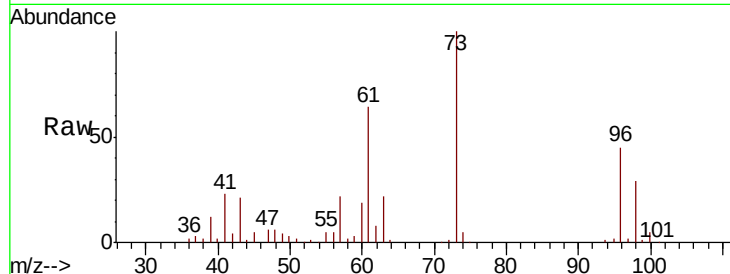
Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 70670

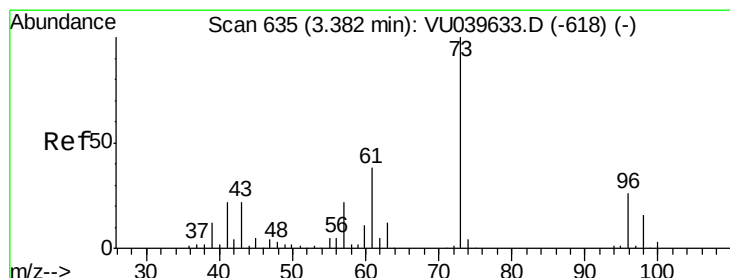
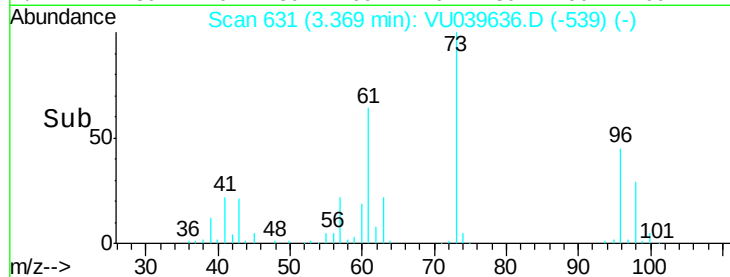
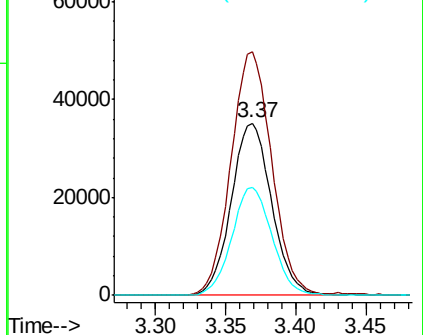
Ion	Ratio	Lower	Upper
96	100		
61	141.5	106.7	198.1
98	63.0	44.3	82.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.254 ug/L

RT: 3.38 min Scan# 634

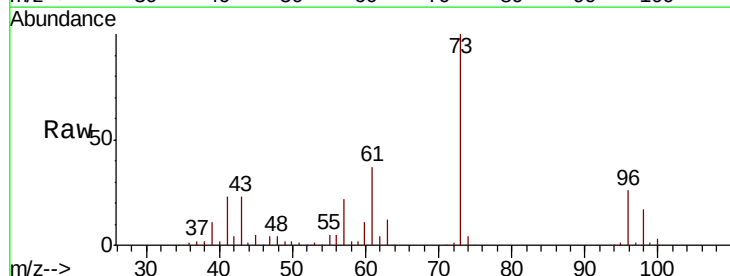
Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Tgt Ion: 73 Resp: 232217

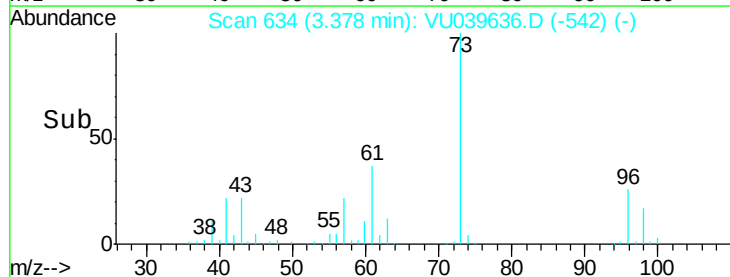
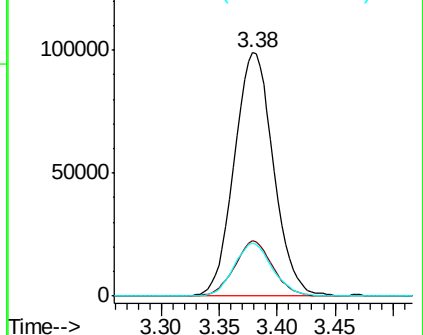
Ion	Ratio	Lower	Upper
73	100		
43	22.0	18.2	27.2
57	21.5	17.4	26.2

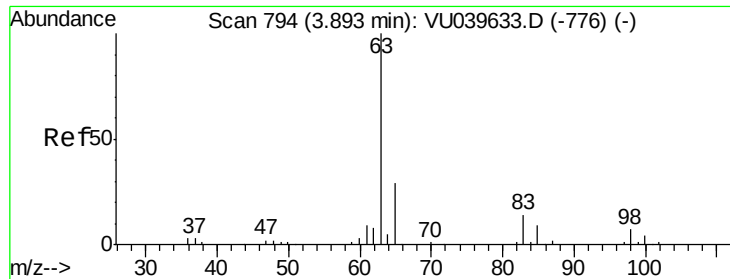


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

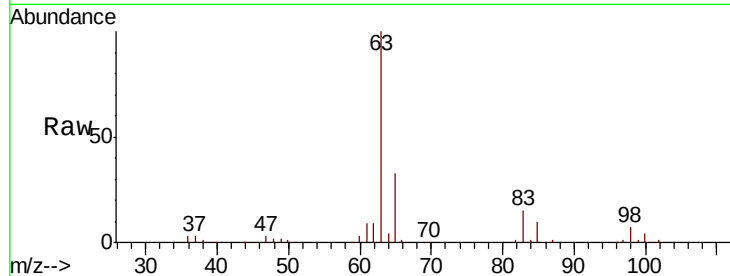




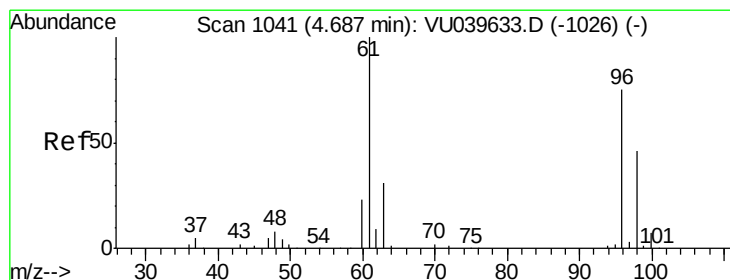
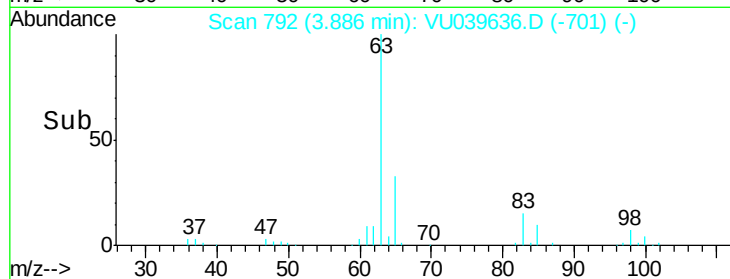
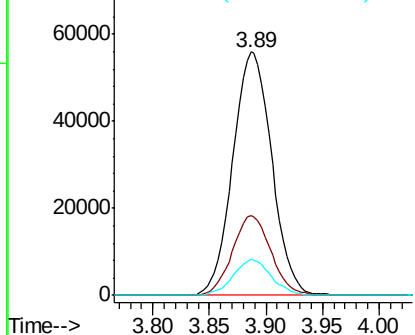
#19
 1,1-Dichloroethane
 Concen: 48.081 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 134171
 Ion Ratio Lower Upper
 63 100
 65 32.9 20.4 38.0
 83 14.6 9.7 18.1

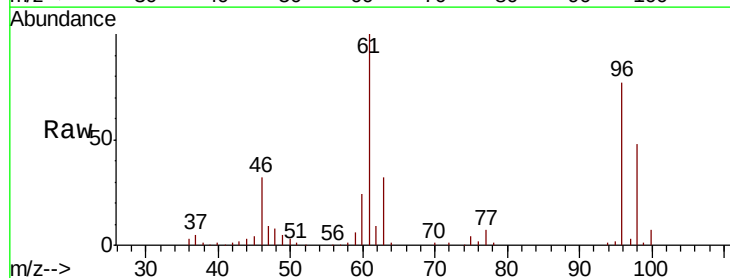


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

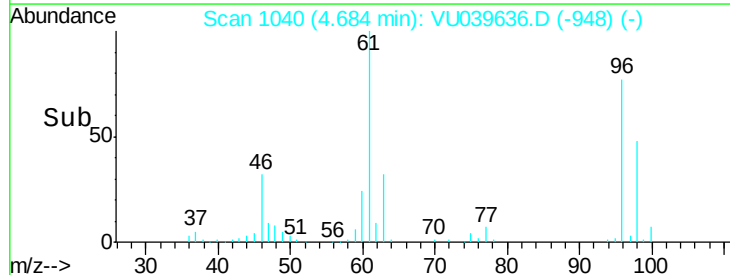
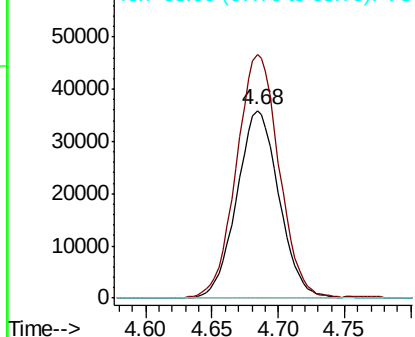


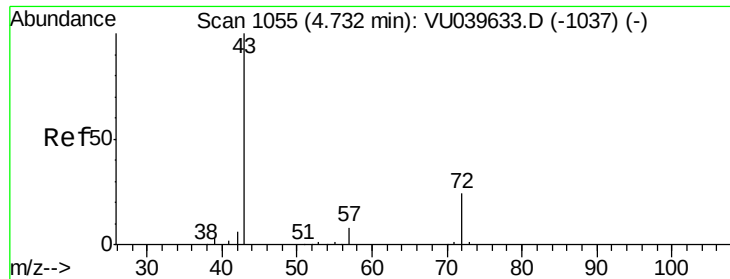
#20
 cis-1,2-Dichloroethene
 Concen: 48.699 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Tgt Ion: 96 Resp: 79583
 Ion Ratio Lower Upper
 96 100
 61 129.6 94.0 174.6
 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: 99.551 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

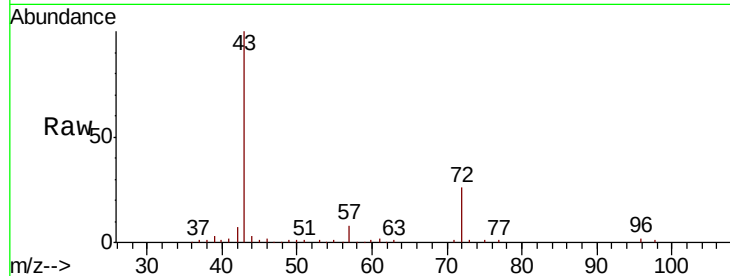
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 158072

Ion Ratio Lower Upper

43 100

72 25.8 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU039636.D (-1037) (-)

Ion 72.00 (71.70 to 72.70): VU039636.D (-1037) (-)

4.73

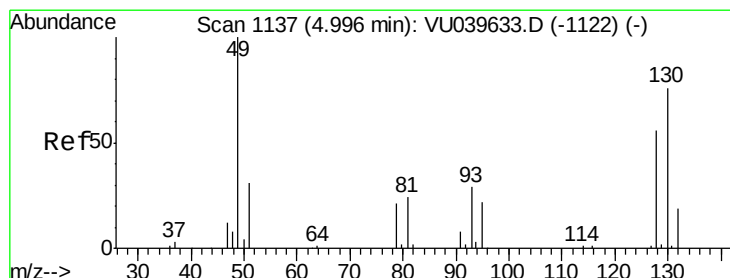
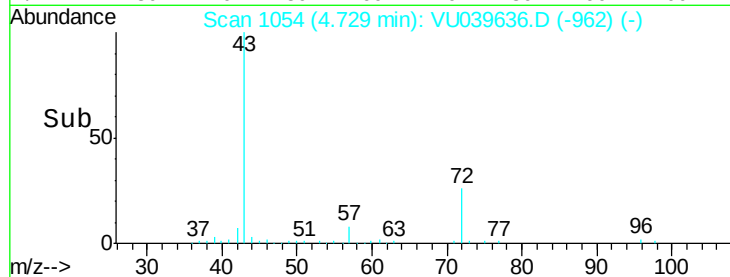
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 49.653 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Tgt Ion: 128 Resp: 40780

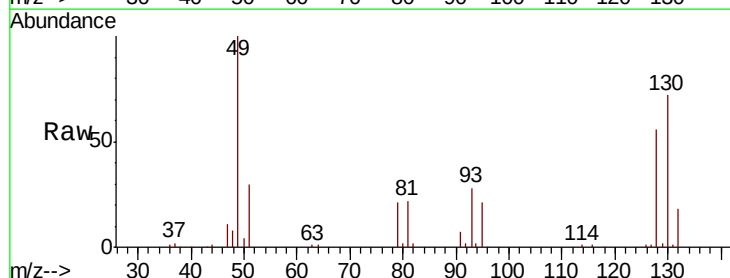
Ion Ratio Lower Upper

128 100

49 177.0 124.5 231.3

130 127.8 94.4 175.2

51 53.9 43.5 65.3



Abundance Ion 128.00 (127.70 to 128.70): VU039636.D (-1122) (-)

Ion 49.00 (48.70 to 49.70): VU039636.D (-1122) (-)

Ion 130.00 (129.70 to 130.70): VU039636.D (-1122) (-)

Ion 51.00 (50.70 to 51.70): VU039636.D (-1122) (-)

4.99

50000

40000

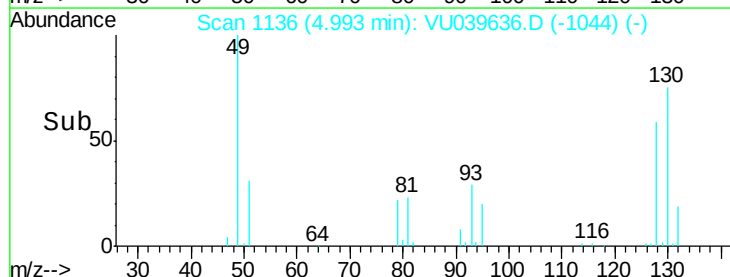
30000

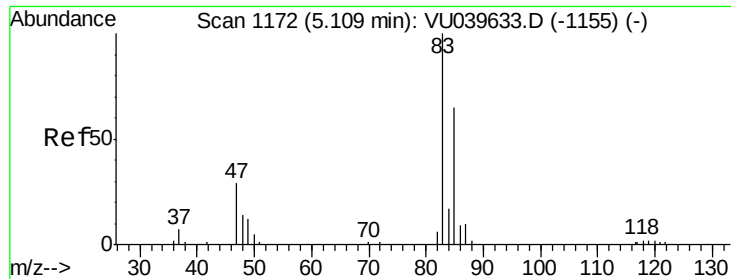
20000

10000

0

Time-->

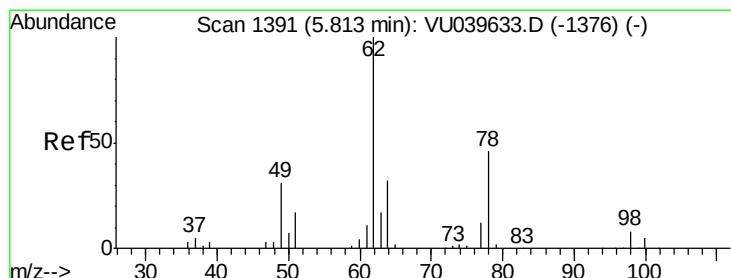
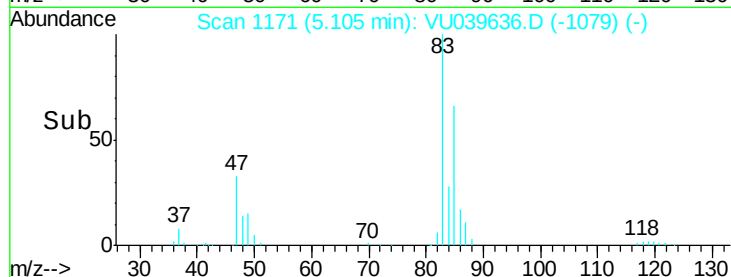
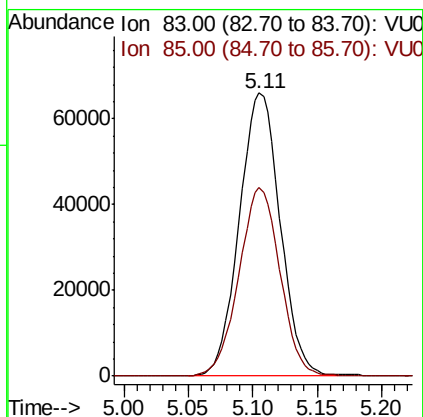
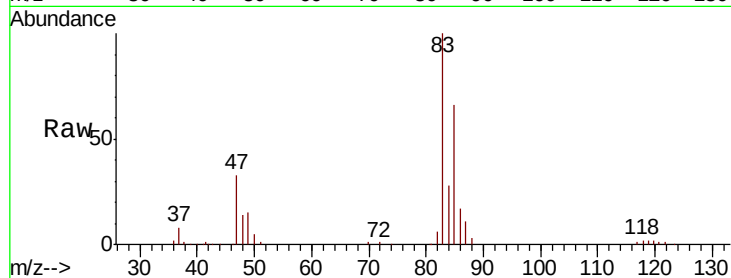




#25
Chloroform
Concen: 47.100 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

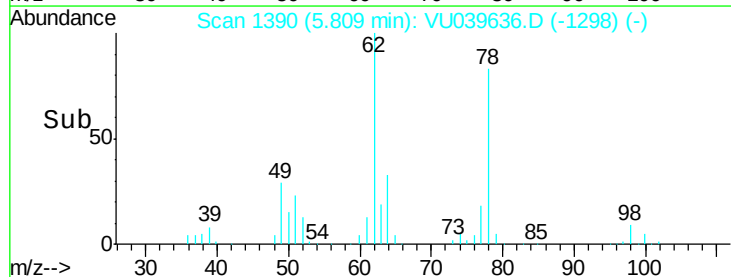
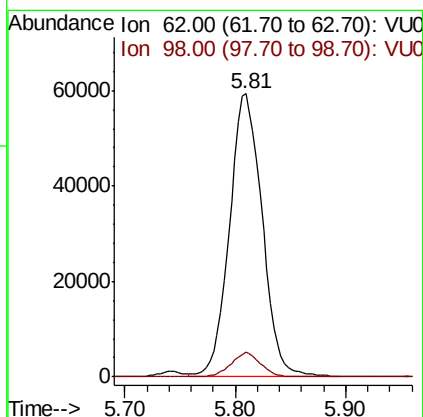
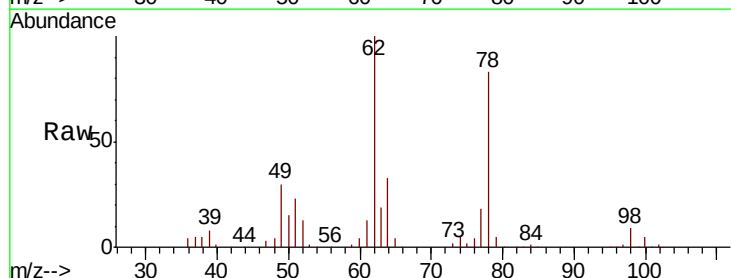
Instrument :
MSVOA_U
ClientSampleId :

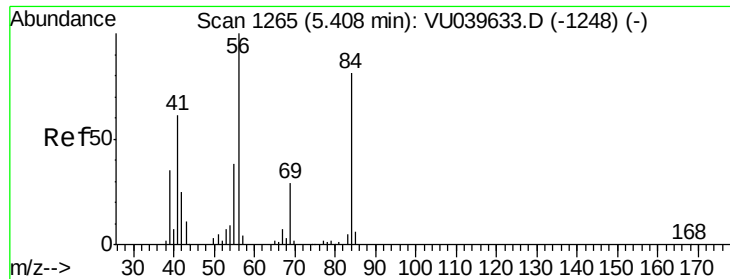
Tot Ion: 83 Resp: 145787
Ion Ratio Lower Upper
83 100
85 66.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 47.453 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Tgt Ion: 62 Resp: 121793
Ion Ratio Lower Upper
62 100
98 8.6 6.4 9.6

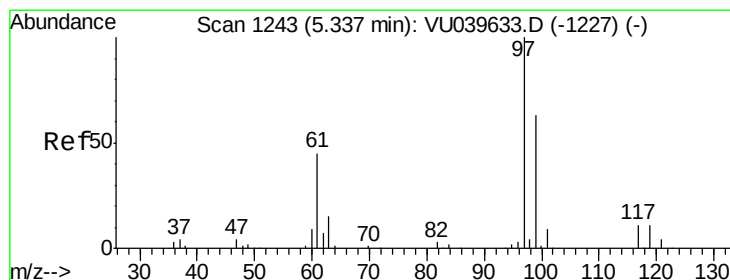
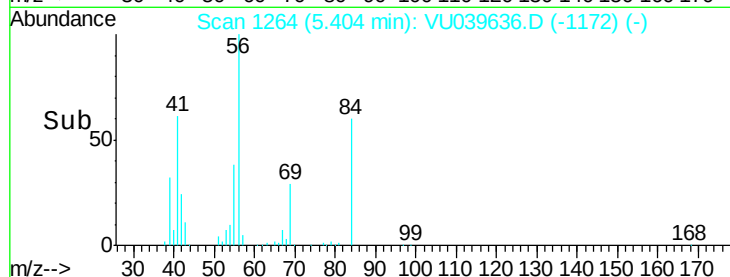
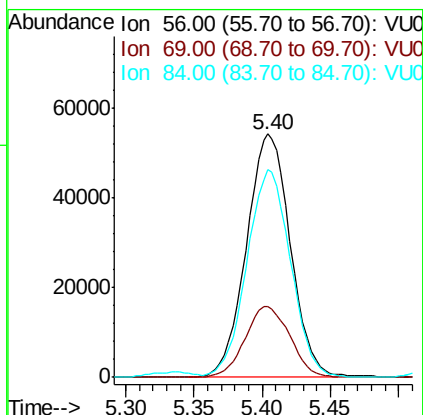
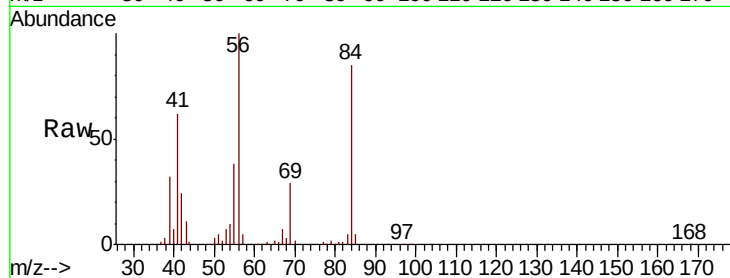




#29
Cyclohexane
Concen: 50.716 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

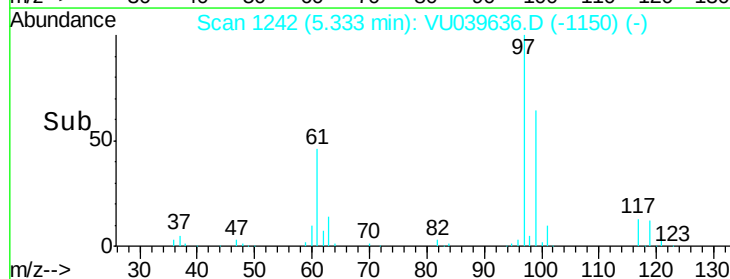
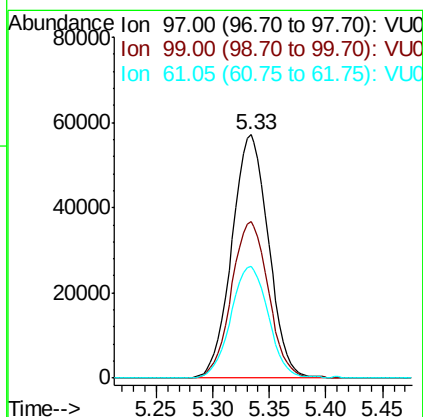
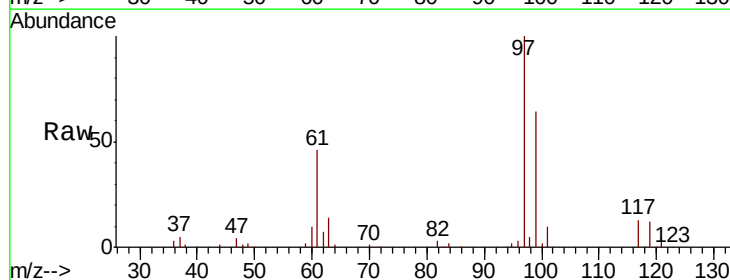
Instrument :
MSVOA_U
ClientSampled :

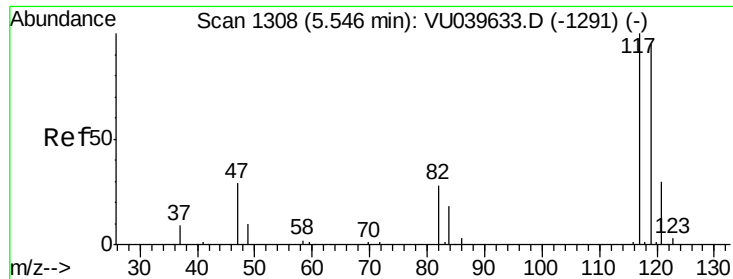
Tot Ion: 56 Resp: 120789
Ion Ratio Lower Upper
56 100
69 29.8 23.9 35.9
84 84.7 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 49.159 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Tgt Ion: 97 Resp: 129016
Ion Ratio Lower Upper
97 100
99 65.0 50.3 75.5
61 46.8 36.0 54.0





#31

Carbon tetrachloride

Concen: 51.003 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

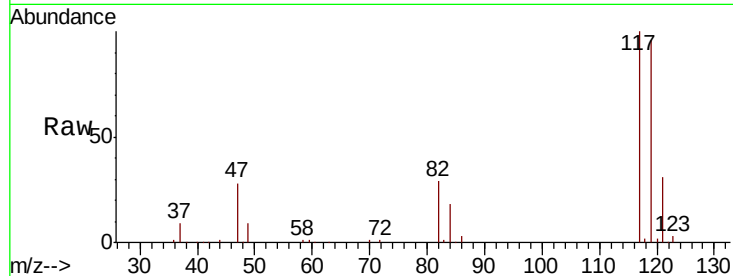
ClientSampled :

Tot Ion:117 Resp: 111034

Ion Ratio Lower Upper

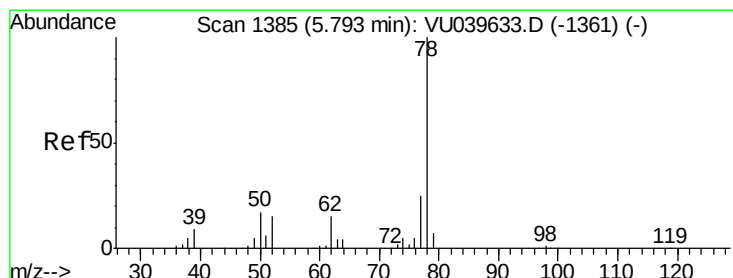
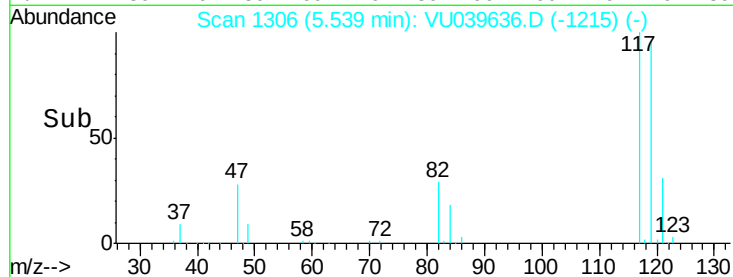
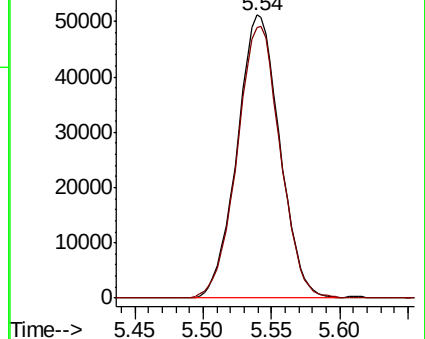
117 100

119 97.1 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.218 ug/L

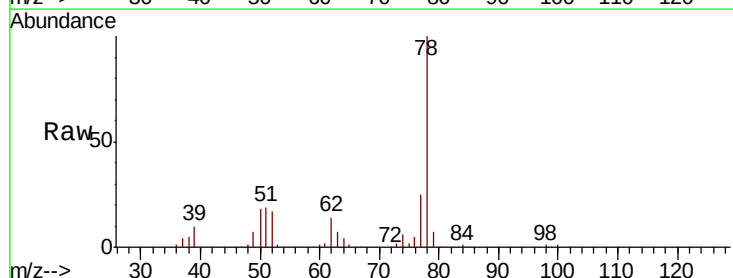
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

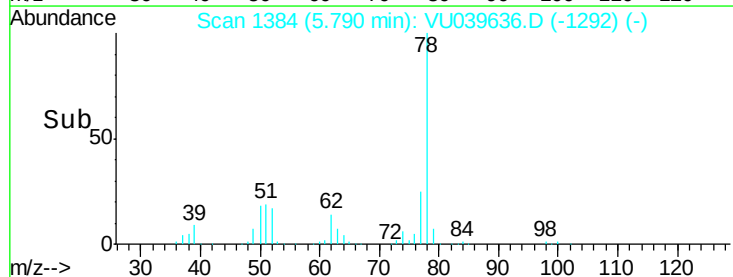
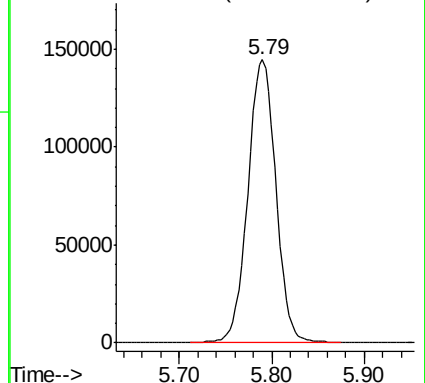
Lab File: VU039636.D

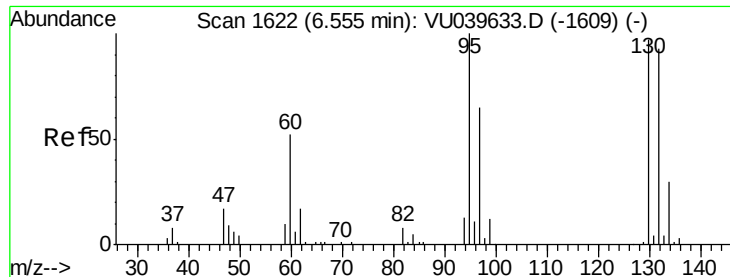
Acq: 23 Jul 2020 13:46

Tgt Ion: 78 Resp: 303417



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.121 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 81697

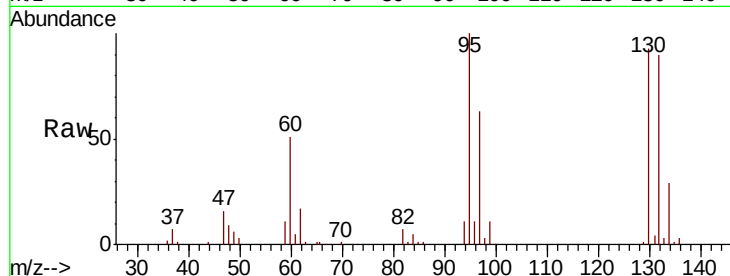
Ion Ratio Lower Upper

95 100

97 63.1 45.5 84.5

132 89.5 65.0 120.6

130 92.7 67.9 126.1

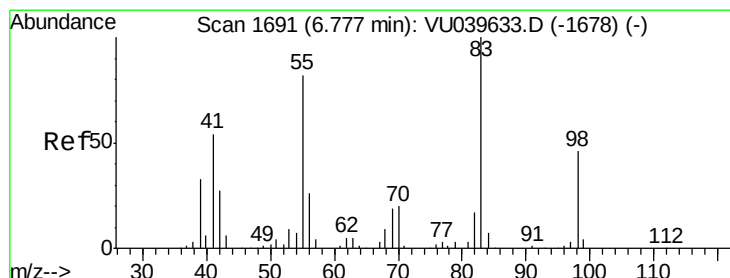
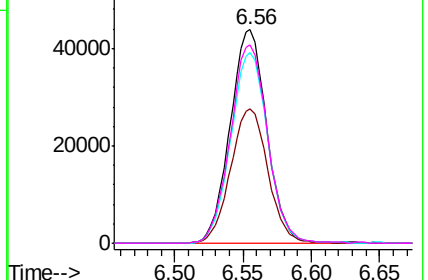
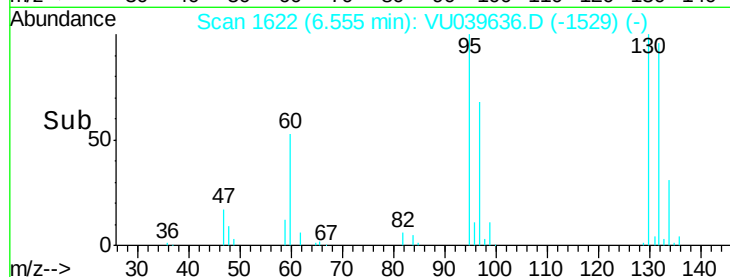


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.288 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

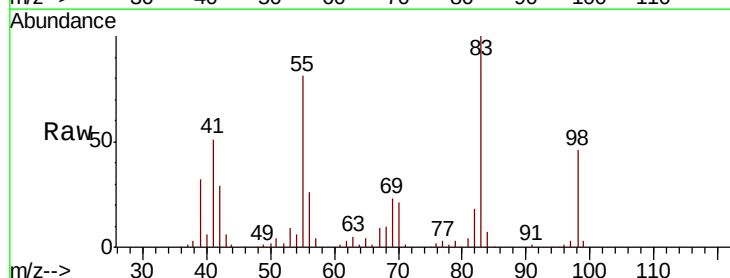
Tgt Ion: 83 Resp: 121791

Ion Ratio Lower Upper

83 100

55 79.1 62.9 94.3

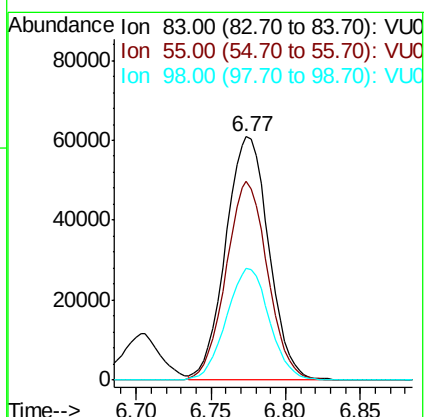
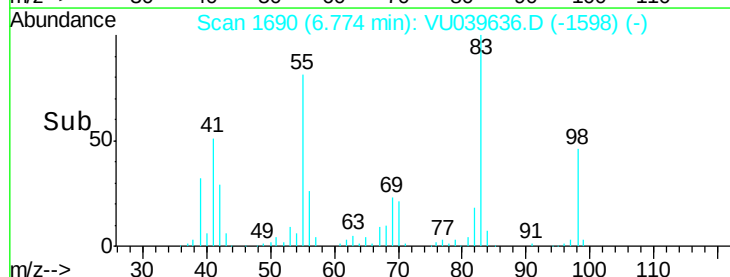
98 46.0 36.3 54.5

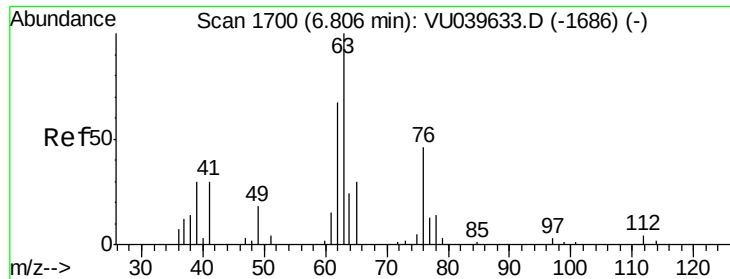


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

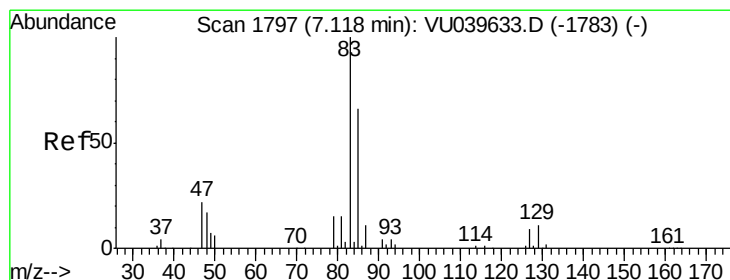
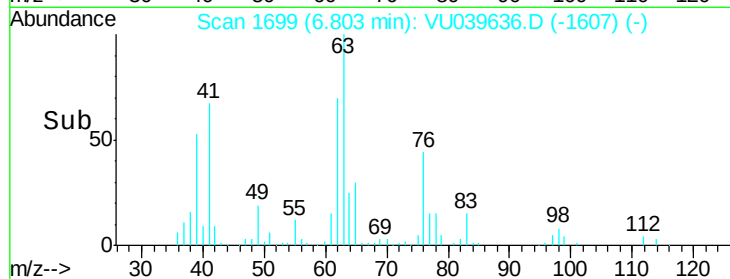
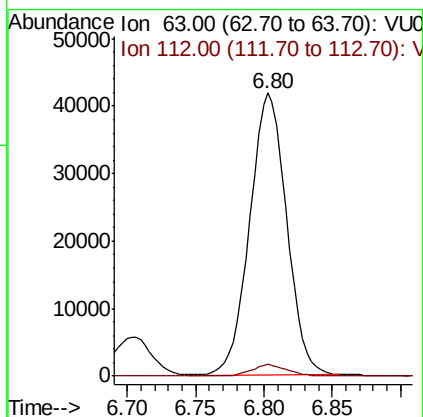
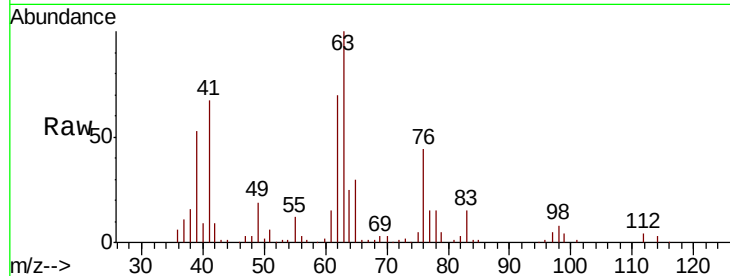




#37
 1,2-Dichloropropane
 Concen: 48.132 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

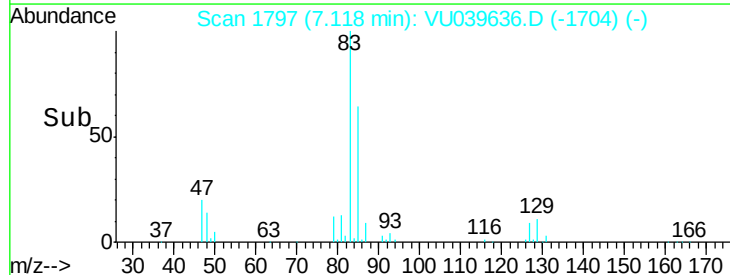
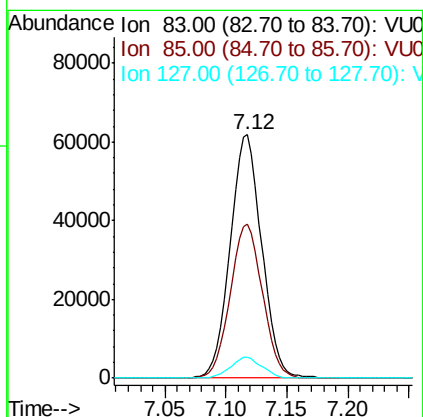
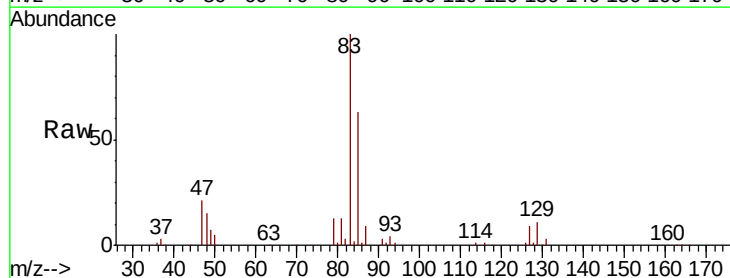
Instrument :
 MSVOA_U
 ClientSampled :

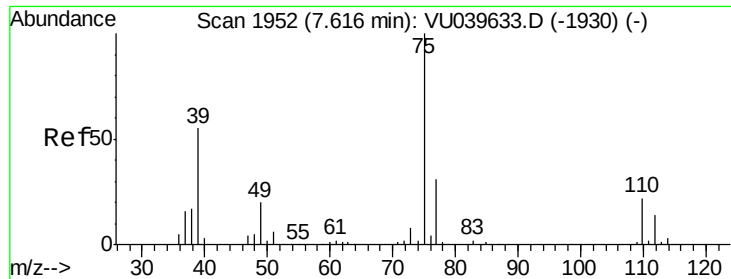
Tot Ion: 63 Resp: 78733
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.436 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Tgt Ion: 83 Resp: 111740
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.9 85.3
 127 9.5 7.4 11.2

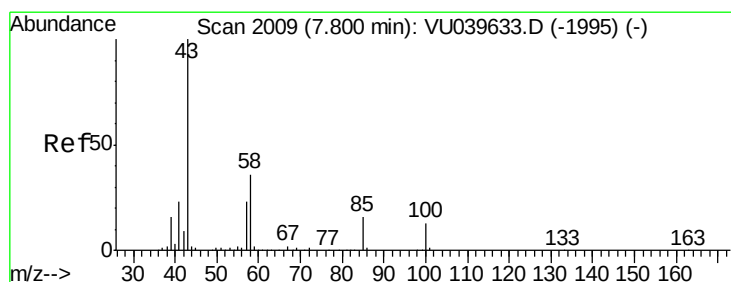
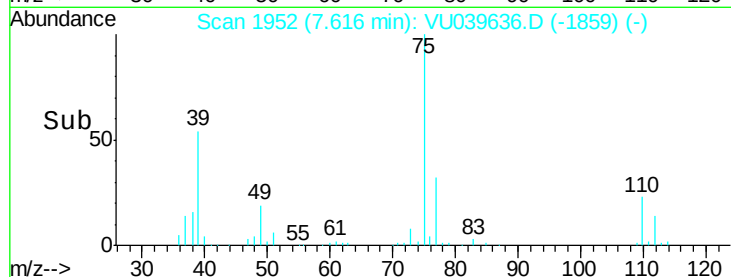
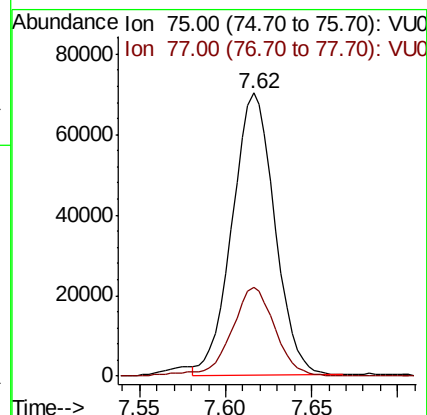
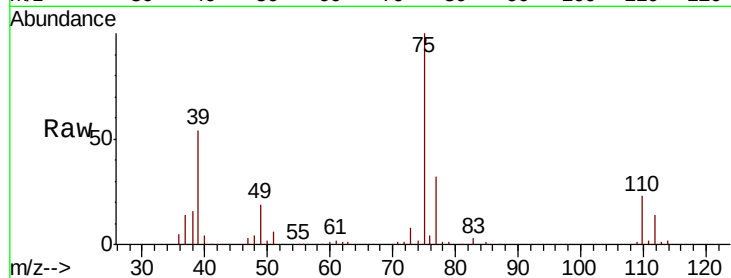




#39
 cis-1,3-Dichloropropene
 Concen: 49.276 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

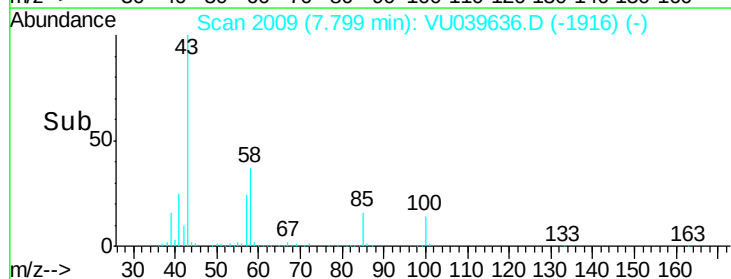
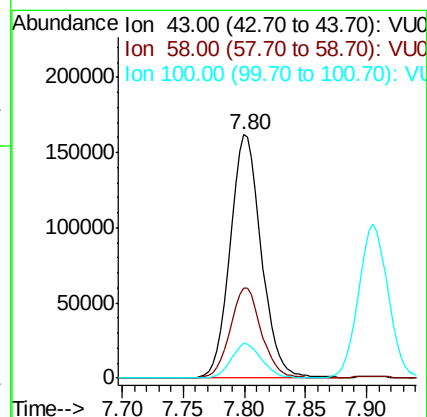
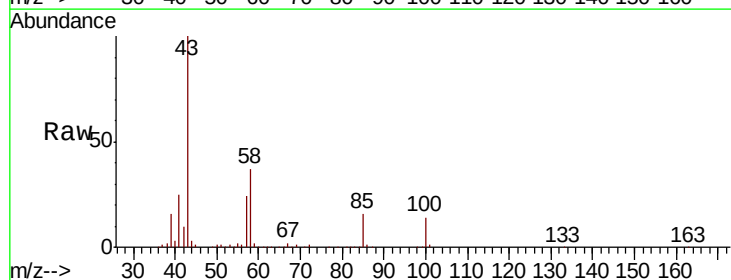
Instrument :
 MSVOA_U
 ClientSampleId :

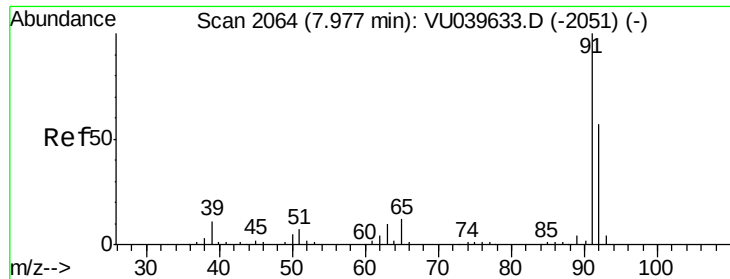
Tot Ion: 75 Resp: 120460
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 101.583 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Tgt Ion: 43 Resp: 289487
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.1 43.7
 100 14.0 10.6 16.0





#42

Toluene

Concen: 49.439 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

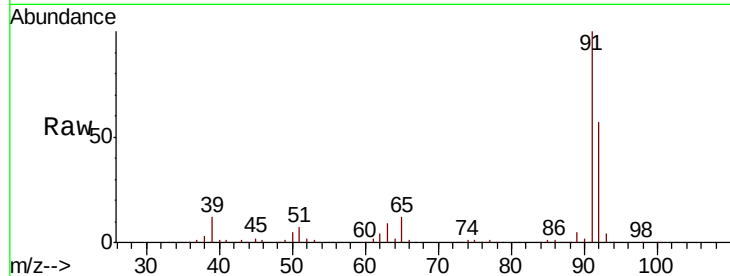
ClientSampleId :

Tot Ion: 91 Resp: 328493

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039633.D (-2051) (-)

Ion 92.00 (91.70 to 92.70): VU039633.D (-2051) (-)

7.98

200000

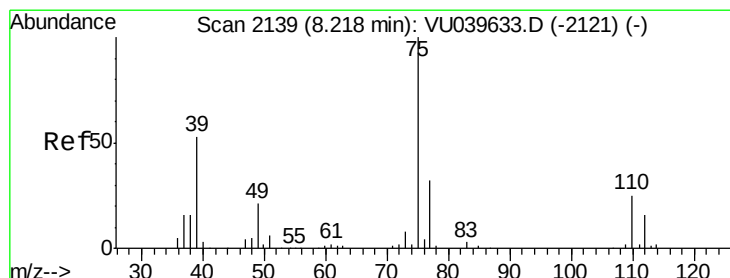
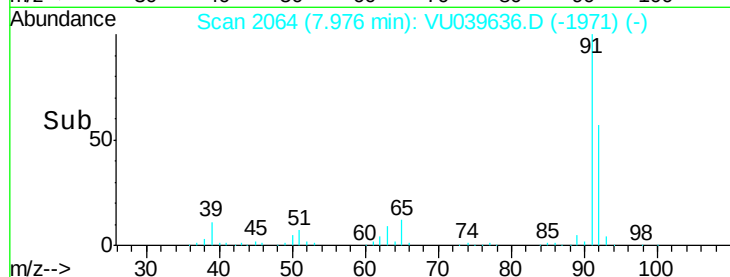
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.945 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039636.D

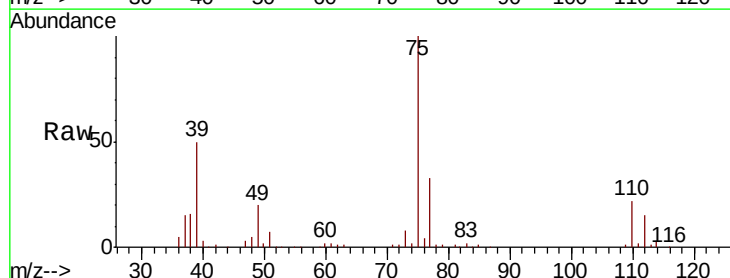
Acq: 23 Jul 2020 13:46

Tgt Ion: 75 Resp: 121963

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039633.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039633.D (-2121) (-)

8.22

80000

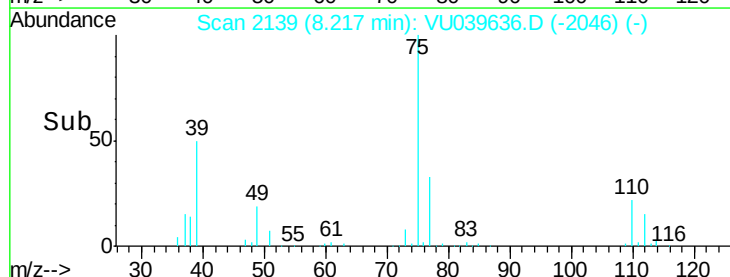
60000

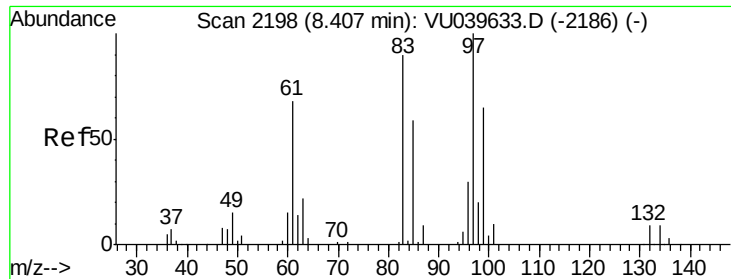
40000

20000

0

Time-->

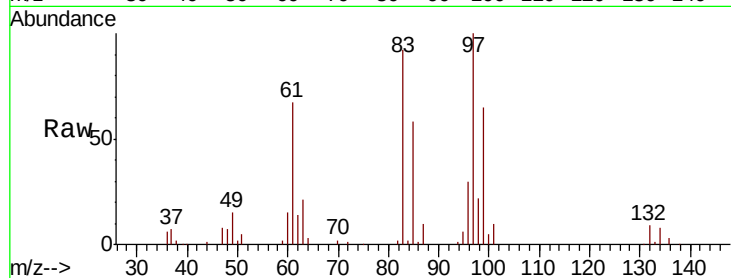




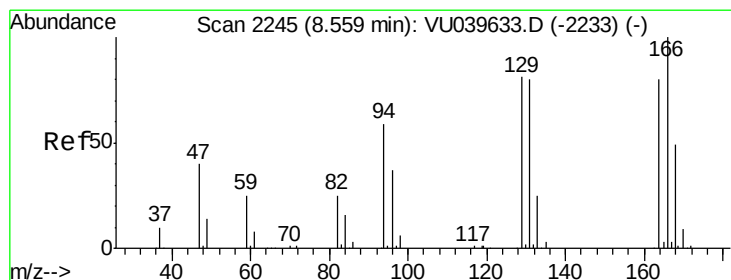
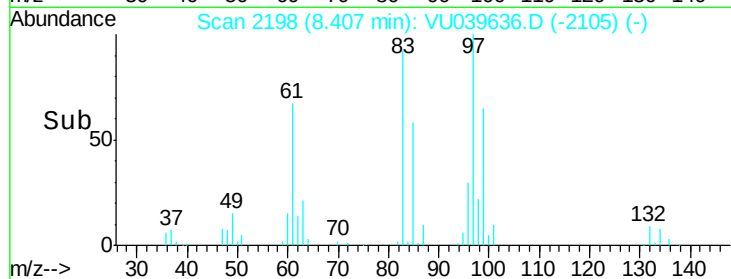
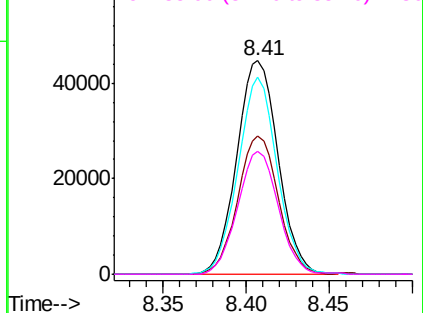
#45
1,1,2-Trichloroethane
Concen: 49.720 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	77559
Ion	Ratio	Lower	Upper
97	100		
99	64.7	45.1	83.9
83	92.2	62.7	116.5
85	57.7	41.0	76.2

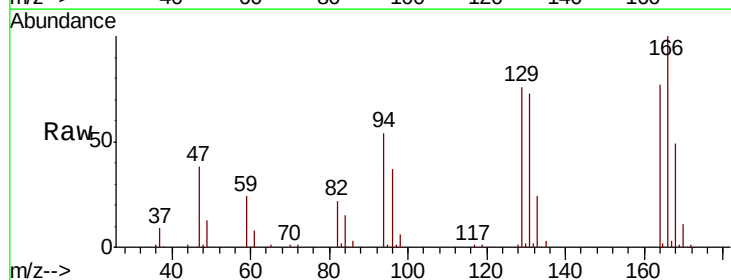


Abundance Ion 97.00 (96.70 to 97.70): VU039636.D (-2105) (-)

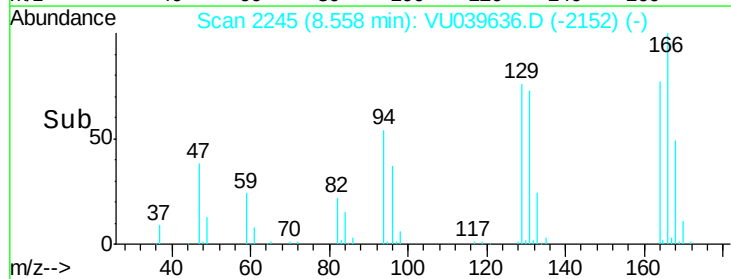
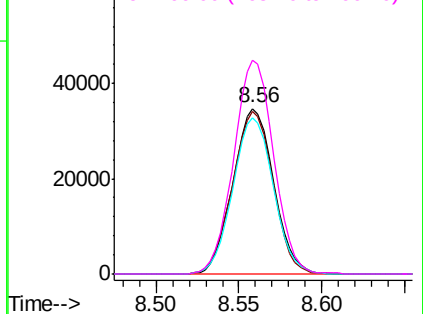


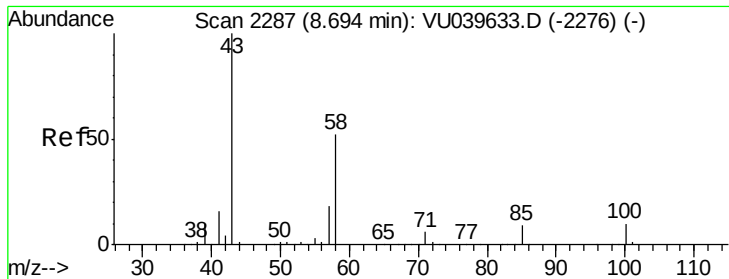
#46
Tetrachloroethene
Concen: 49.071 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Tgt Ion:	164	Resp:	59317
Ion	Ratio	Lower	Upper
164	100		
129	98.1	71.1	132.1
131	94.3	70.3	130.5
166	129.1	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU039636.D (-2152) (-)

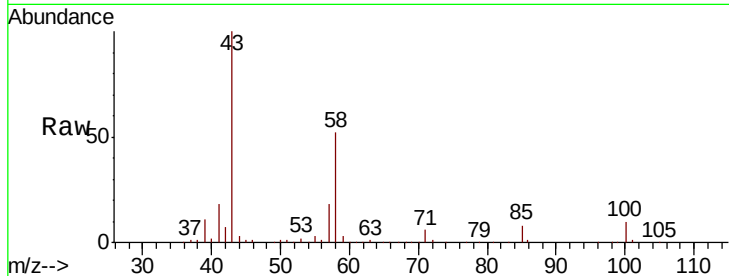




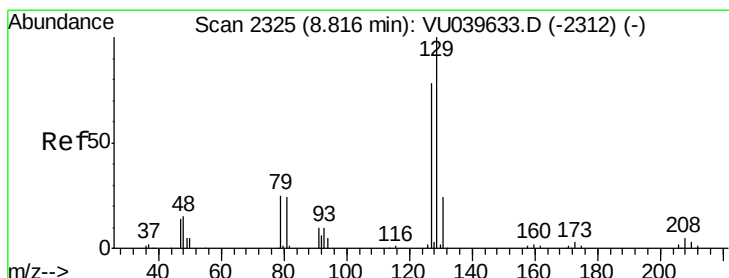
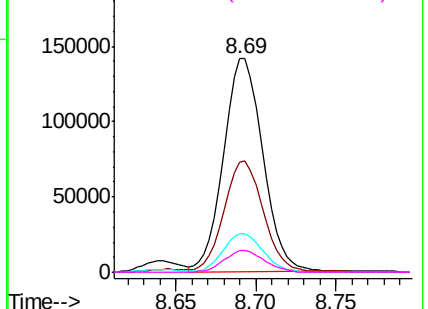
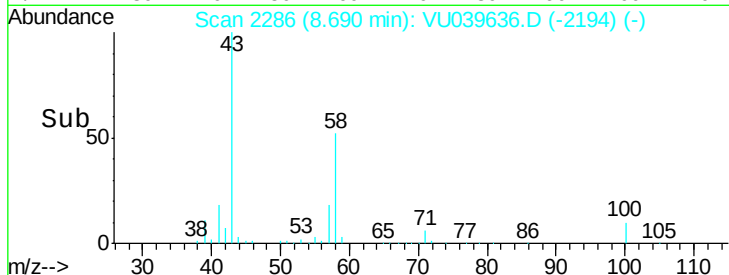
#48
2-Hexanone
Concen: 102.239 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 237404
Ion Ratio Lower Upper
43 100
58 51.9 40.6 61.0
57 18.6 14.5 21.7
100 10.4 8.0 12.0

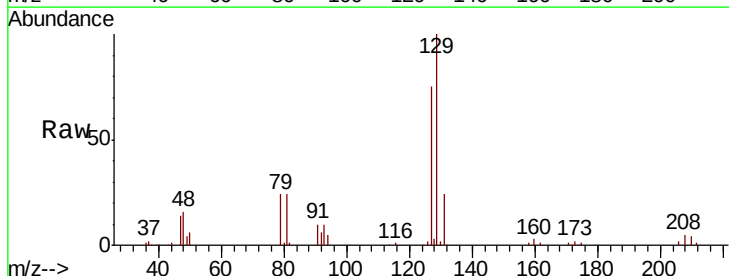


Abundance Ion 43.00 (42.70 to 43.70): VU039636.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VU039636.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VU039636.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VU039636.D (-2194) (-)

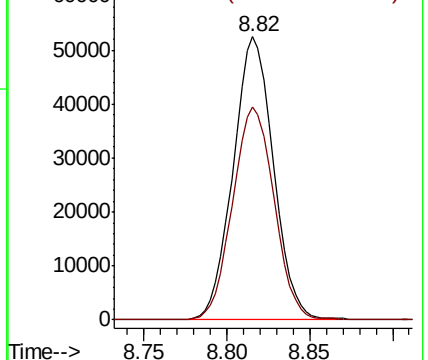
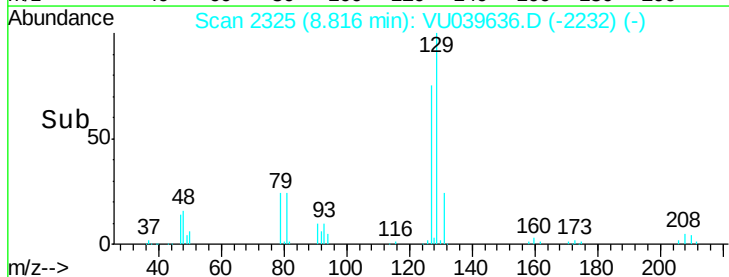


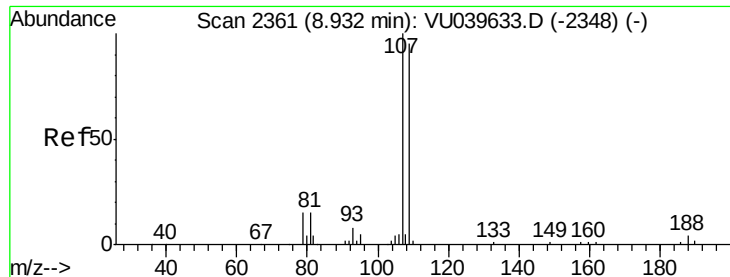
#49
Dibromochloromethane
Concen: 50.382 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Tgt Ion: 129 Resp: 88737
Ion Ratio Lower Upper
129 100
127 75.3 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039636.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU039636.D (-2232) (-)

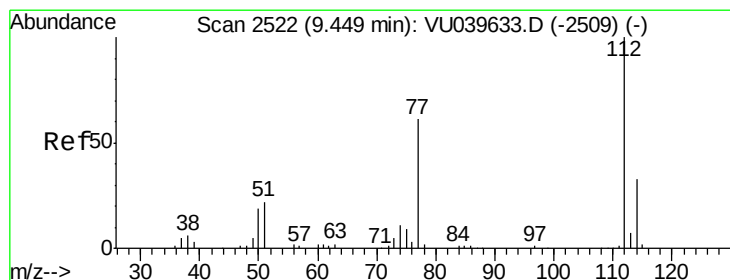
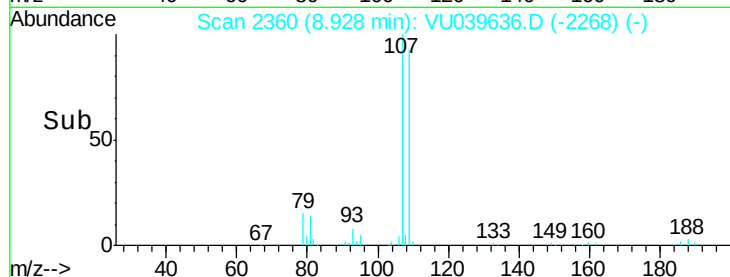
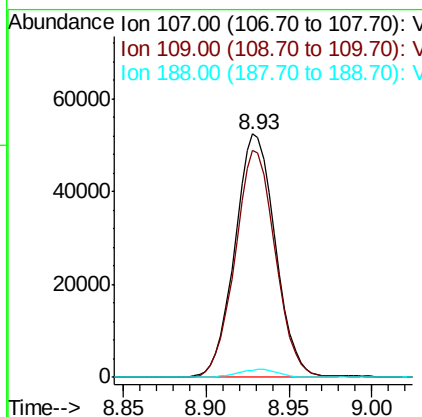
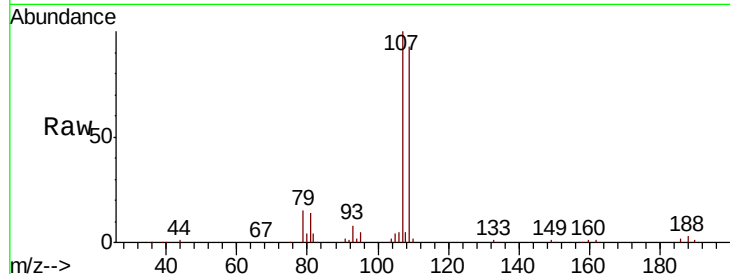




#50
1,2-Dibromoethane
Concen: 51.269 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

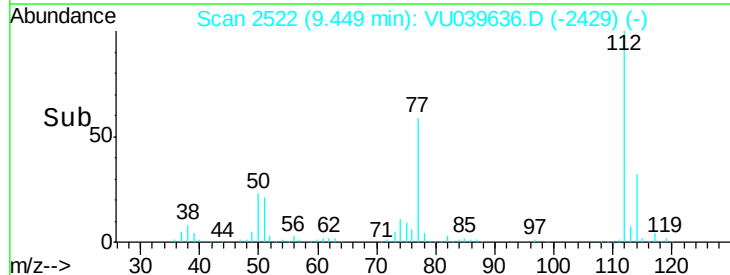
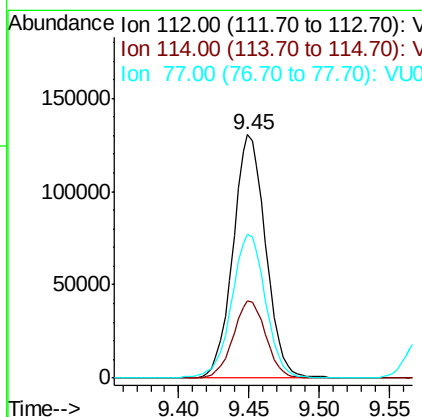
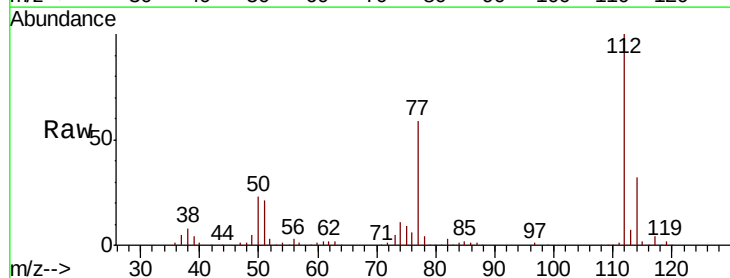
Instrument :
MSVOA_U
ClientSampleId :

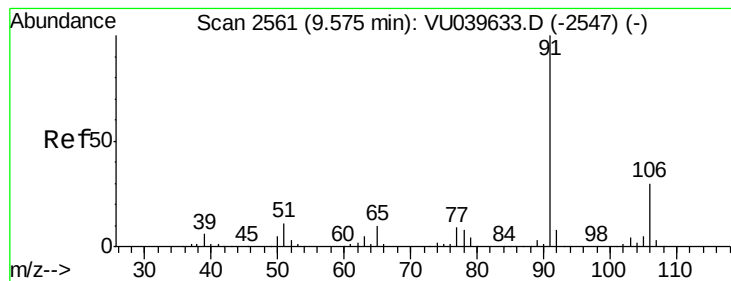
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.8	124.2
188	3.0	3.0	4.4



#51
Chlorobenzene
Concen: 49.849 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.9	42.5
77	58.9	49.4	74.0





#52

Ethylbenzene

Concen: 50.457 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

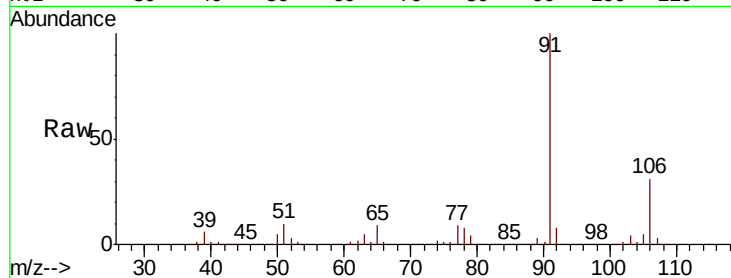
ClientSampled :

Tot Ion: 91 Resp: 370480

Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039636.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU039636.D (-2547) (-)

250000

200000

150000

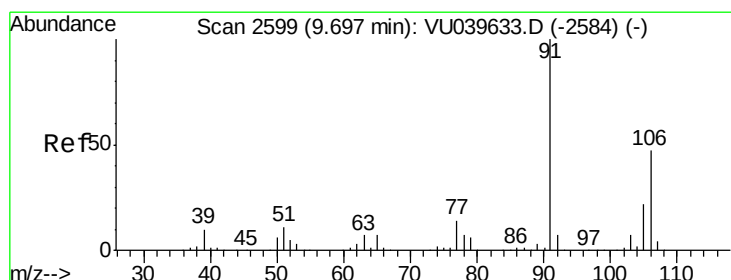
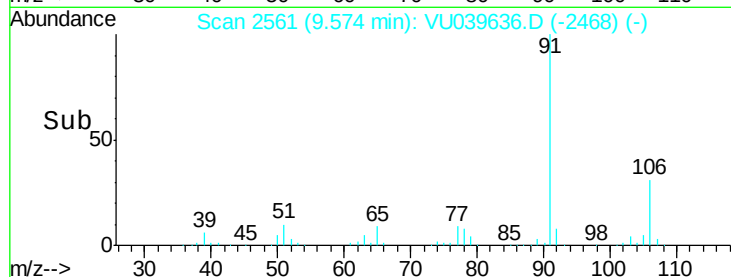
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 50.859 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039636.D

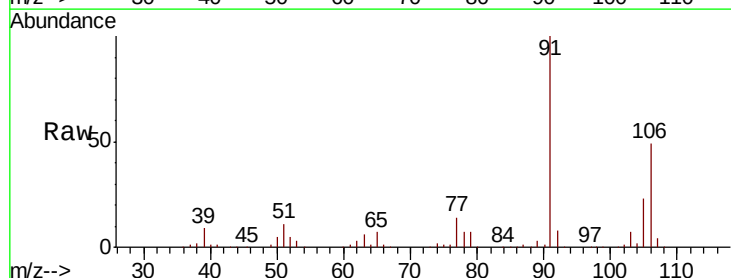
Acq: 23 Jul 2020 13:46

Tgt Ion: 106 Resp: 140764

Ion Ratio Lower Upper

106 100

91 204.6 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039636.D (-2599) (-)

Ion 91.00 (90.70 to 91.70): VU039636.D (-2599) (-)

200000

150000

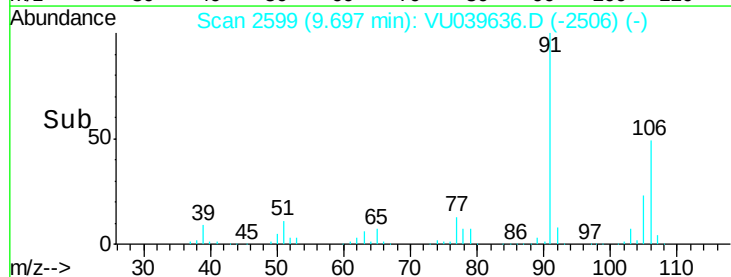
100000

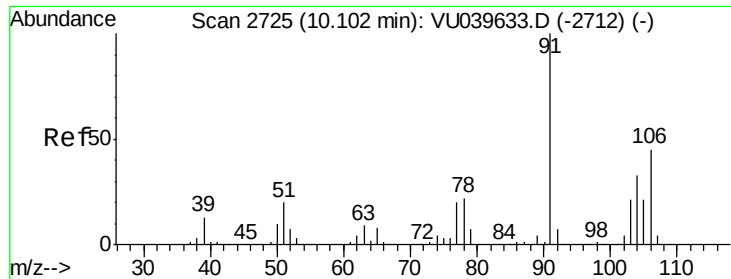
50000

0

9.65 9.70 9.75

Time-->

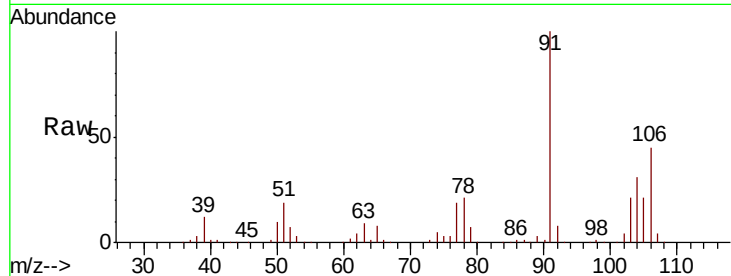




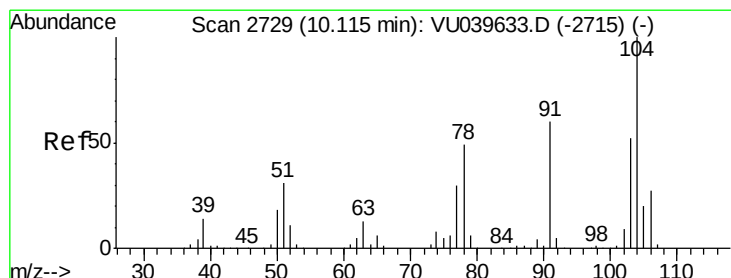
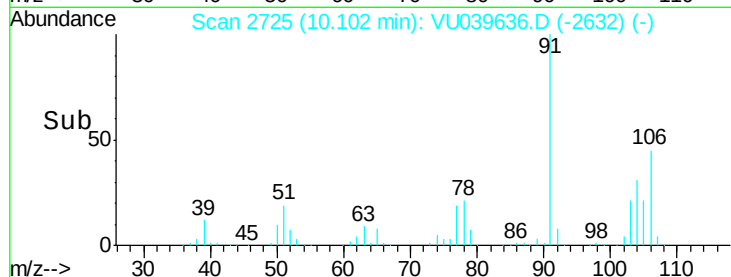
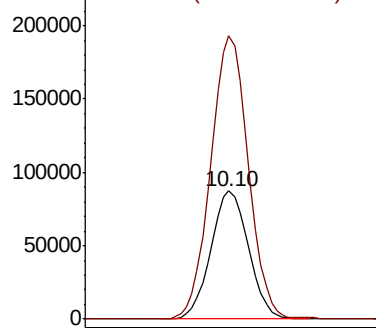
#54
o-xylene
Concen: 52.108 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 138404
Ion Ratio Lower Upper
106 100
91 220.5 155.1 288.1

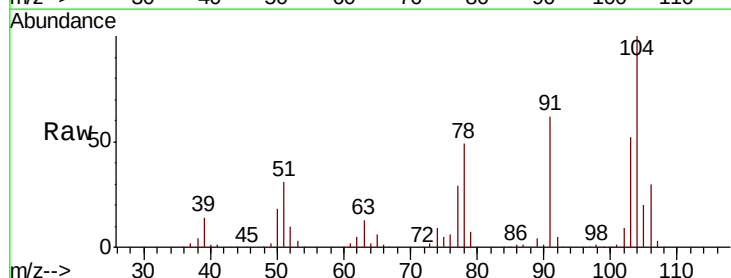


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

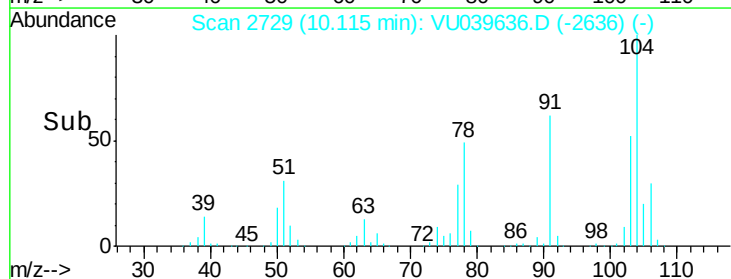
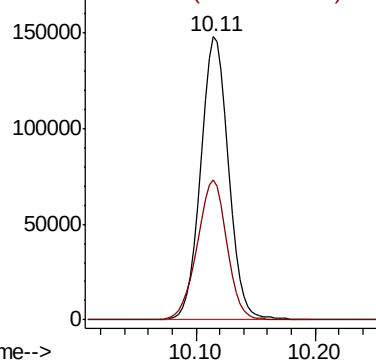


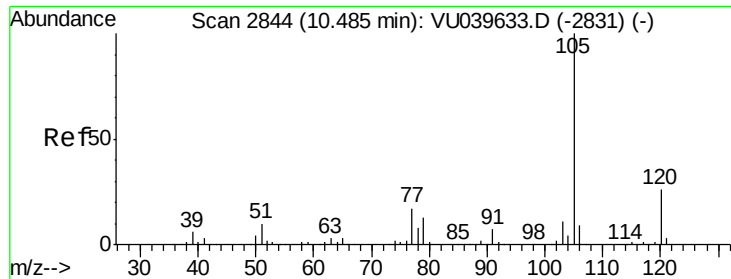
#55
Styrene
Concen: 52.300 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039636.D
Acq: 23 Jul 2020 13:46

Tgt Ion:104 Resp: 240388
Ion Ratio Lower Upper
104 100
78 49.5 34.3 63.7



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





#56

Isopropylbenzene

Concen: 51.325 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

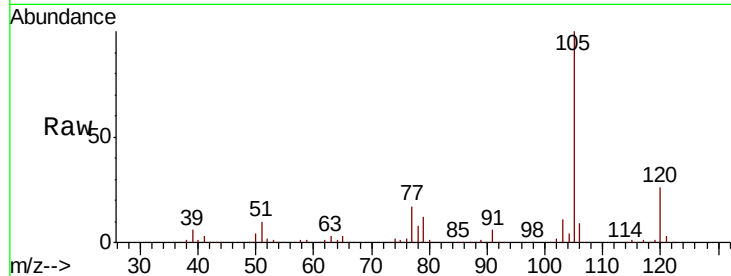
Tot Ion:105 Resp: 370086

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

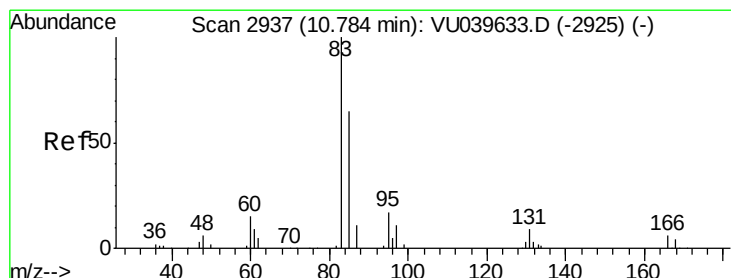
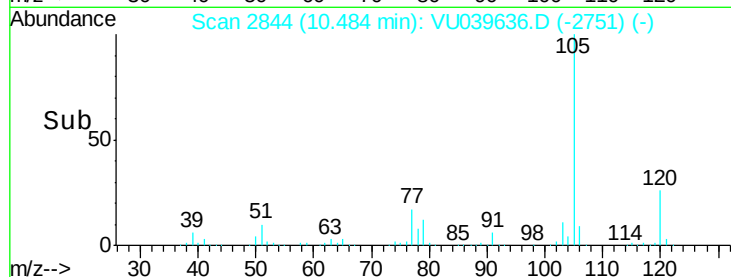
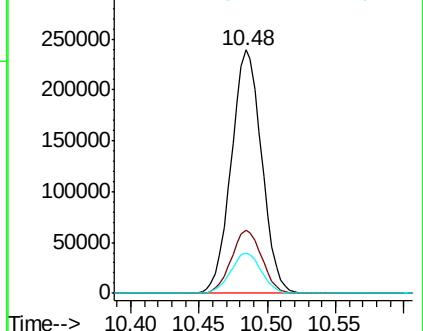
77 16.7 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.657 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

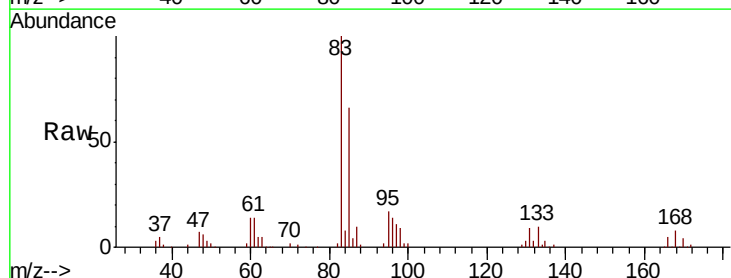
Tgt Ion: 83 Resp: 141188

Ion Ratio Lower Upper

83 100

85 66.1 46.4 86.2

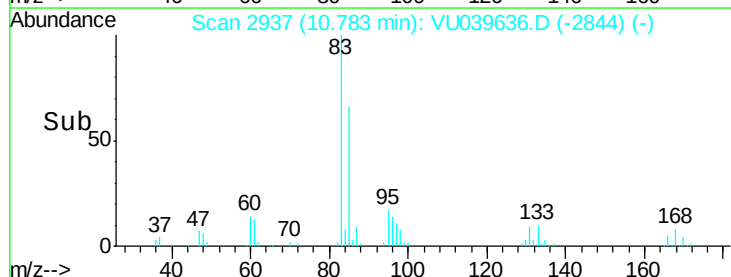
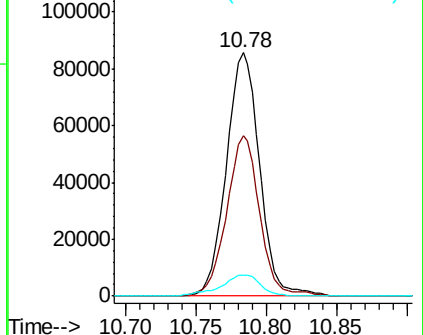
131 8.6 7.8 11.6

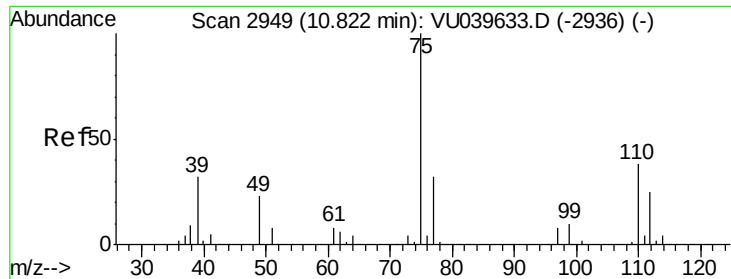


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

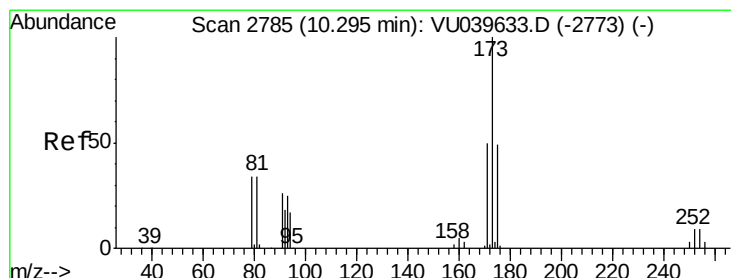
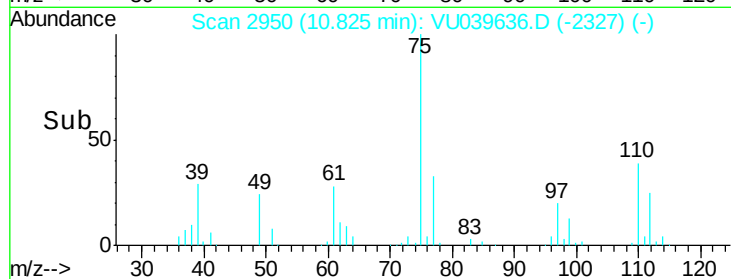
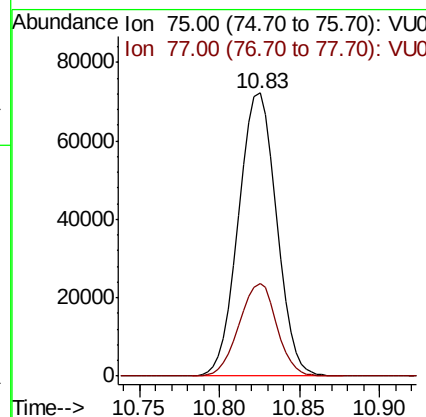
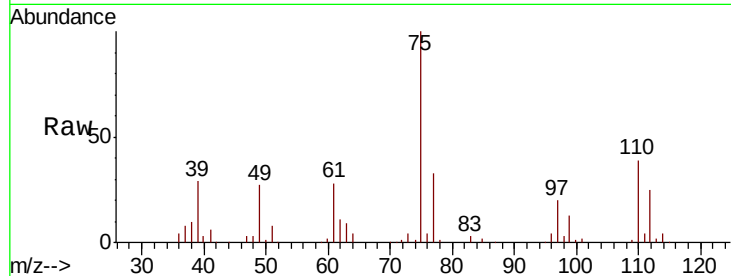




#59
 1,2,3-Trichloropropane
 Concen: 49.299 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

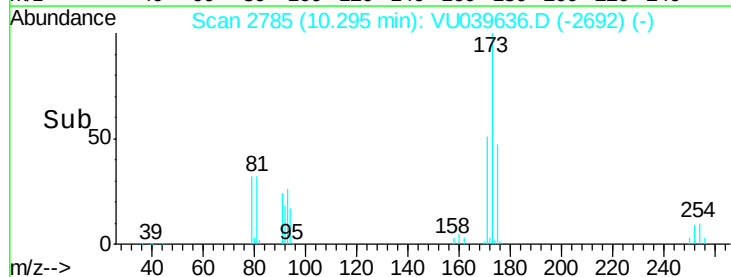
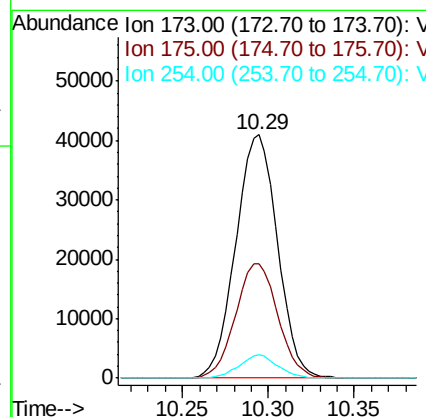
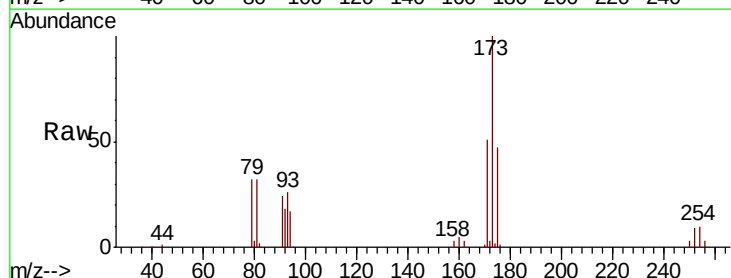
Instrument :
 MSVOA_U
 ClientSampleId :

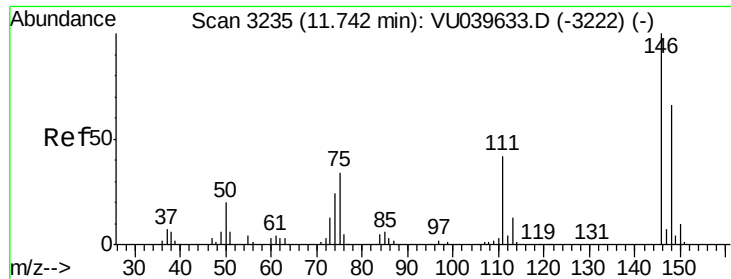
Tot Ion: 75 Resp: 117013
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#61
 Bromoform
 Concen: 49.710 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Tgt Ion: 173 Resp: 68934
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.4 57.6
 254 8.8 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 48.850 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

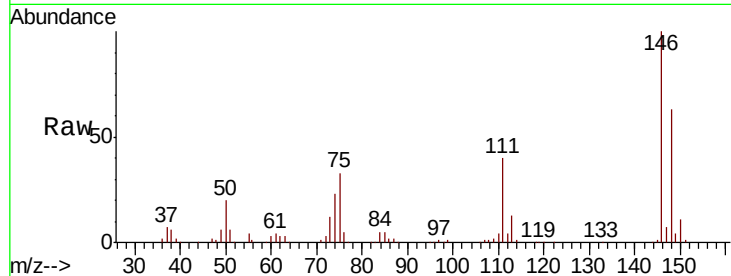
Tot Ion:146 Resp: 175428

Ion Ratio Lower Upper

146 100

111 40.1 29.3 54.3

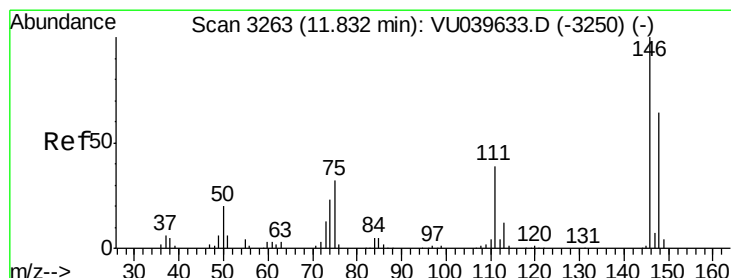
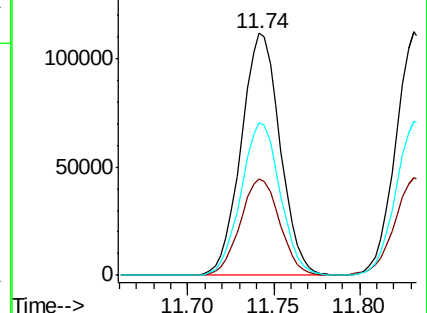
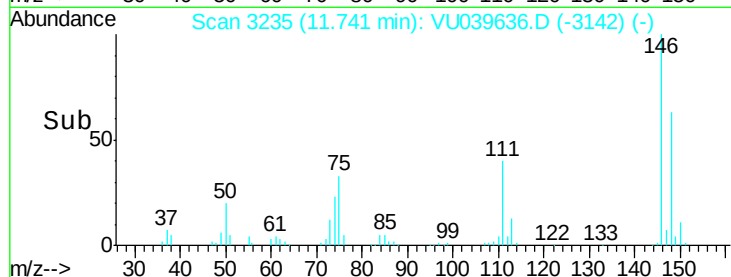
148 63.3 46.1 85.5



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



#63

1,4-Dichlorobenzene

Concen: 49.168 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

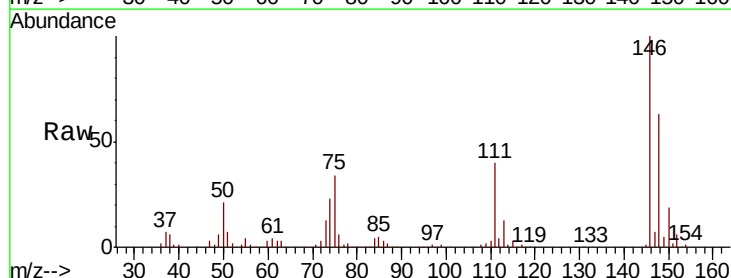
Tgt Ion:146 Resp: 176891

Ion Ratio Lower Upper

146 100

111 40.0 27.8 51.6

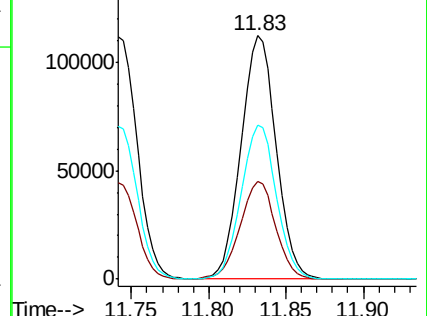
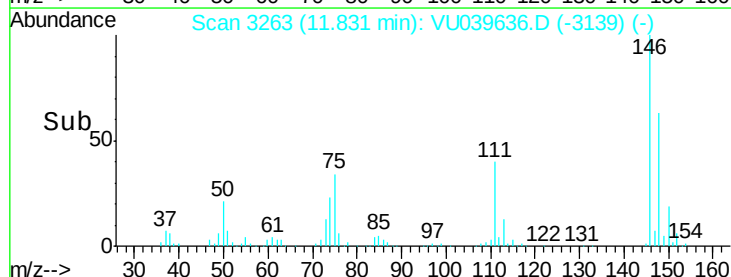
148 63.1 44.7 83.1

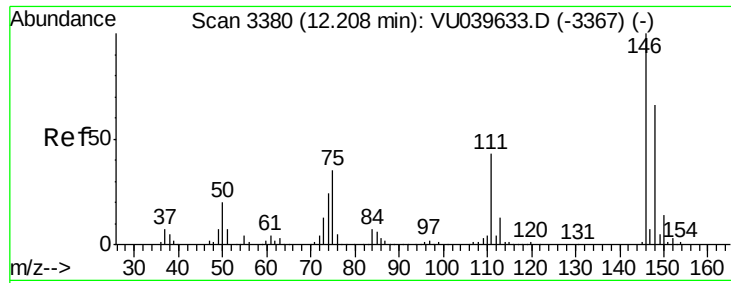


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

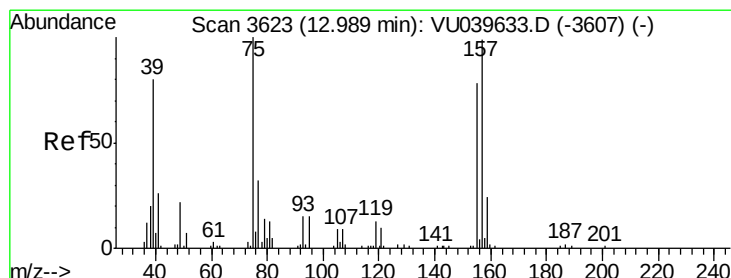
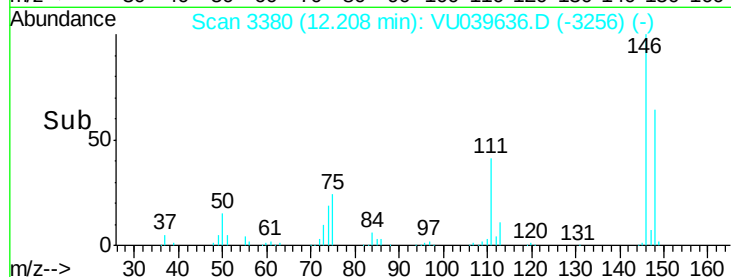
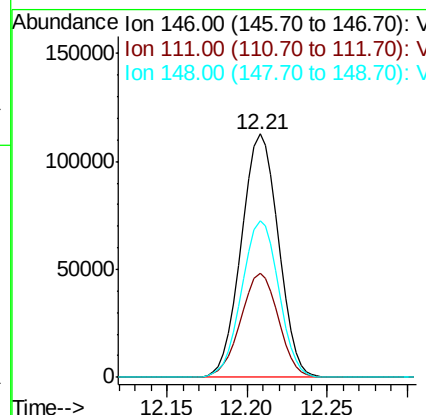
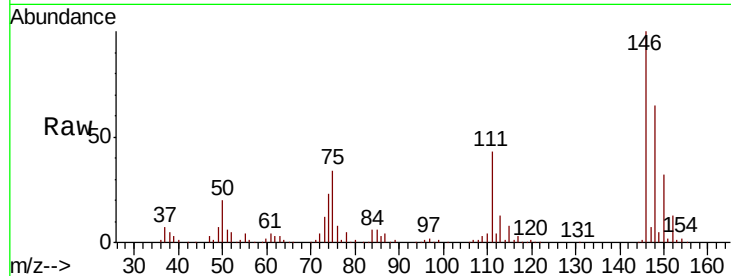




#65
 1,2-Dichlorobenzene
 Concen: 48.978 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

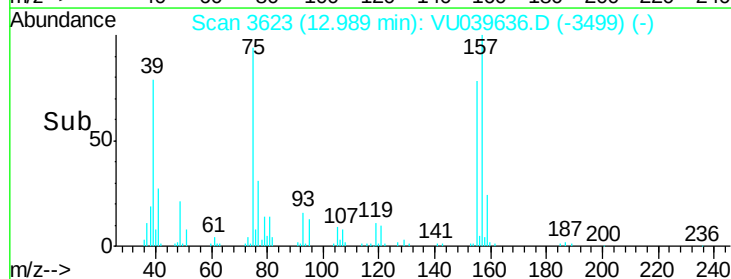
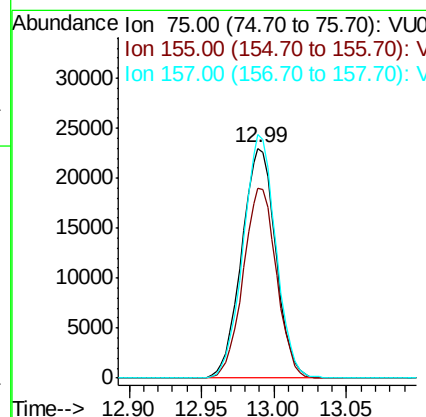
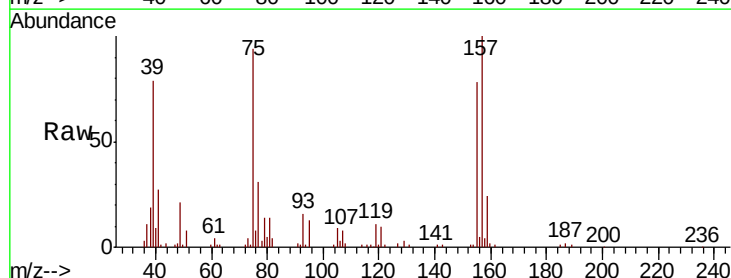
Instrument :
 MSVOA_U
 ClientSampled :

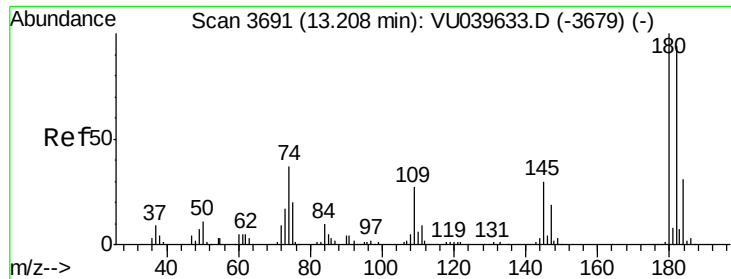
Tot Ion:146 Resp: 177732
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.8 52.2
 148 64.5 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.631 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Tgt Ion: 75 Resp: 37481
 Ion Ratio Lower Upper
 75 100
 155 82.6 62.4 93.6
 157 105.9 78.9 118.3

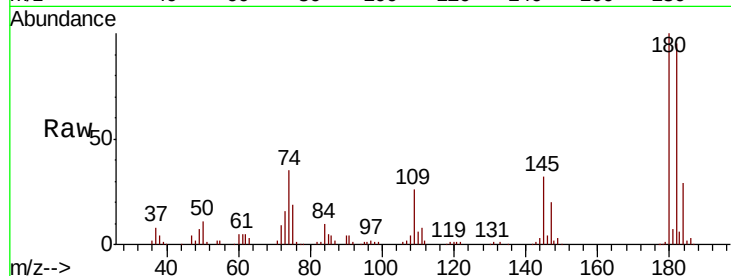




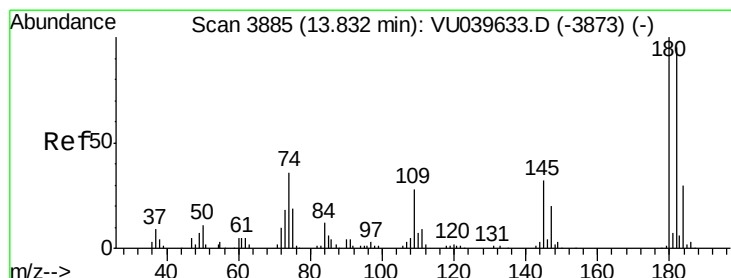
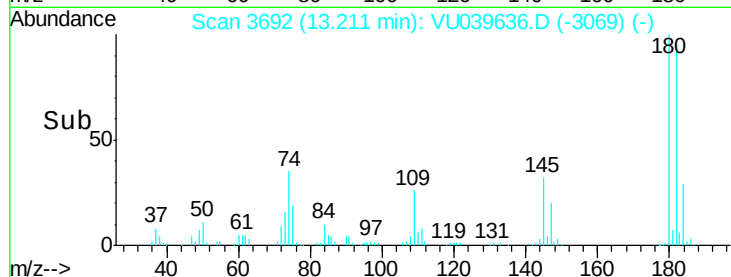
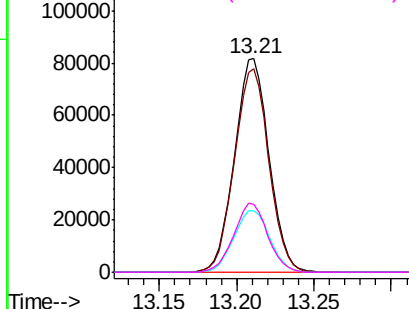
#67
 1,3,5-Trichlorobenzene
 Concen: 48.794 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 126367
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.7 113.5
 184 30.1 24.2 36.2
 145 31.6 24.6 36.8

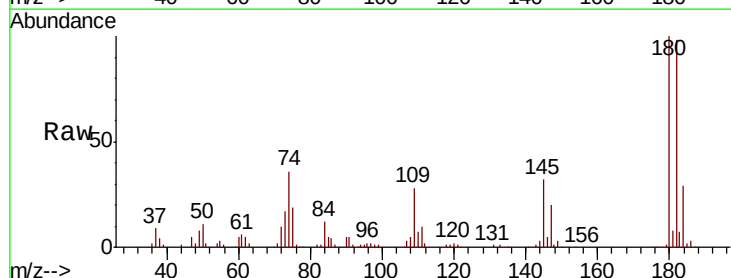


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

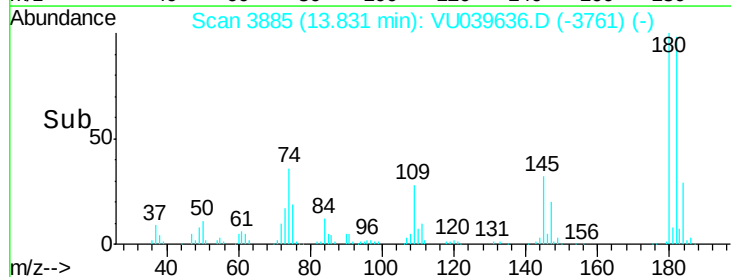
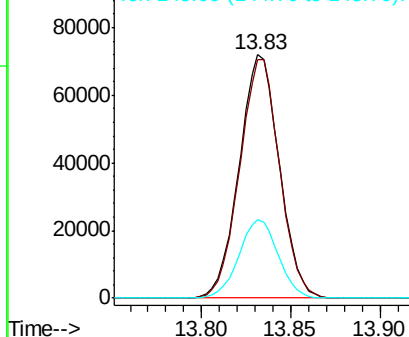


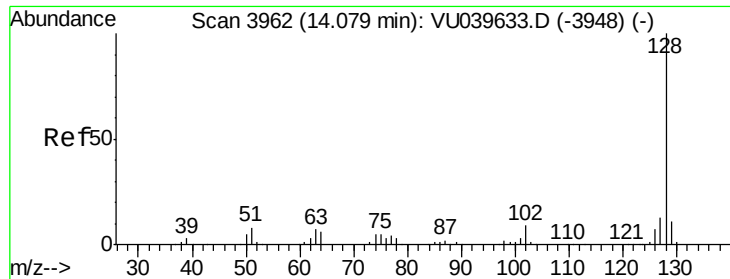
#68
 1,2,4-trichlorobenzene
 Concen: 51.384 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039636.D
 Acq: 23 Jul 2020 13:46

Tgt Ion:180 Resp: 112932
 Ion Ratio Lower Upper
 180 100
 182 97.6 74.4 111.6
 145 31.7 24.8 37.2



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





#69

Naphthalene

Concen: 56.451 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

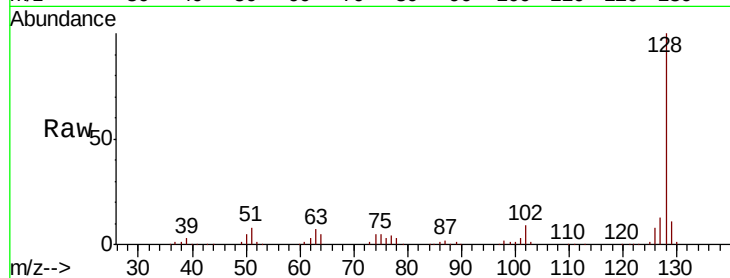
Tot Ion:128 Resp: 372190

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

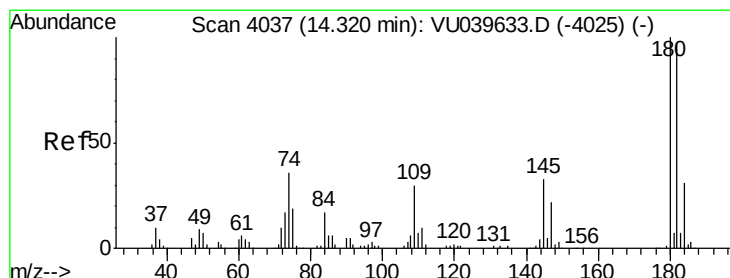
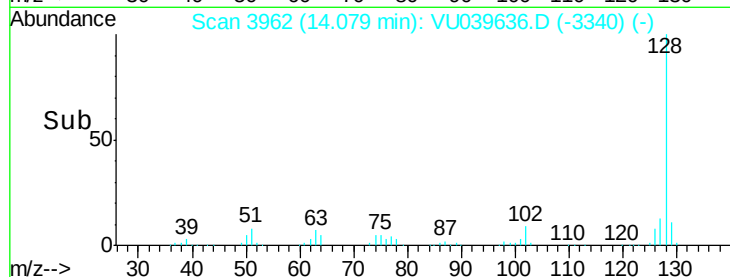
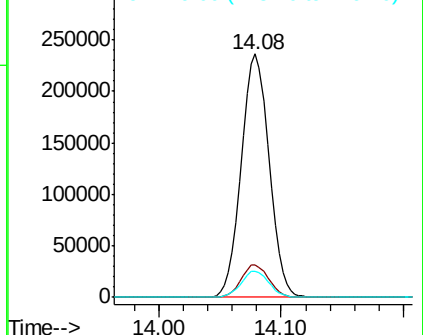
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.094 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039636.D

Acq: 23 Jul 2020 13:46

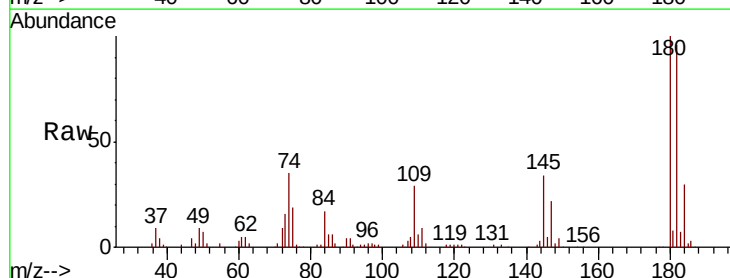
Tgt Ion:180 Resp: 115662

Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

145 34.1 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

