

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039642.D
 Acq On : 23 Jul 2020 17:13
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:04:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 01:59:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	186199	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	176651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	82628	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	54584	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.06%
7) Chloroethane-d5	1.92	69	57062	39.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.56%
11) 1,1-Dichloroethene-d2	2.58	63	91390	35.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.24%
21) 2-Butanone-d5	4.66	46	144100	102.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.97%
24) Chloroform-d	5.08	84	127051	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
26) 1,2-Dichloroethane-d4	5.72	65	91778	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
32) Benzene-d6	5.75	84	244874	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.84%
36) 1,2-Dichloropropane-d6	6.71	67	79686	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.91	98	222580	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	8.19	79	37072	45.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.32%
47) 2-Hexanone-d5	8.64	63	87722	99.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.97%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	121660	47.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.52%
64) 1,2-Dichlorobenzene-d4	12.19	152	87976	48.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2182	1.720 ug/L	90
3) Chloromethane	1.53	50	2727	2.069 ug/L	99
5) Vinyl chloride	1.61	62	2881	2.152 ug/L #	61
6) Bromomethane	1.87	94	1693	1.683 ug/L	94
9) Trichlorofluoromethane	2.15	101	4882	2.063 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2620	2.300 ug/L #	72
12) 1,1-Dichloroethene	2.59	96	2357	2.219 ug/L #	1
13) Acetone	2.66	43	3632	3.900 ug/L	83
14) Carbon disulfide	2.81	76	6349	1.868 ug/L #	95
15) Methyl Acetate	2.97	43	2664	1.597 ug/L #	88
16) Methylene chloride	3.07	84	2293	1.803 ug/L	86
17) trans-1,2-Dichloroethene	3.38	96	2219	1.877 ug/L	93
18) Methyl tert-butyl Ether	3.38	73	6809	1.783 ug/L	96
19) 1,1-Dichloroethane	3.90	63	4001	1.735 ug/L #	85
20) cis-1,2-Dichloroethene	4.69	96	2399	1.776 ug/L	96
22) 2-Butanone	4.74	43	4514	3.439 ug/L #	74
23) Bromochloromethane	5.00	128	1270	1.871 ug/L #	73

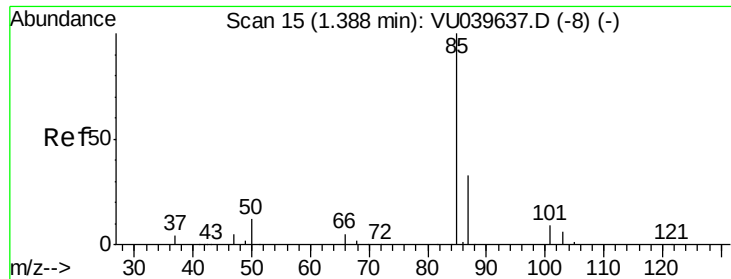
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 01:59:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	8664	3.386	ug/L	97
27) 1,2-Dichloroethane	5.81	62	4055	1.911	ug/L	99
29) Cyclohexane	5.41	56	3586	1.869	ug/L	94
30) 1,1,1-Trichloroethane	5.34	97	4053	1.917	ug/L	98
31) Carbon tetrachloride	5.54	117	3069	1.749	ug/L	98
33) Benzene	5.79	78	9828	2.019	ug/L	100
34) Trichloroethene	6.56	95	2894	2.247	ug/L	91
35) Methylcyclohexane	6.78	83	3703	1.860	ug/L	95
37) 1,2-Dichloropropane	6.81	63	2540	1.927	ug/L #	89
38) Bromodichloromethane	7.12	83	3337	1.906	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	3229	1.639	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	8690	3.784	ug/L	99
42) Toluene	7.98	91	10485	1.958	ug/L	100
44) trans-1,3-Dichloropropene	8.19	75	1946	1.009	ug/L	86
45) 1,1,2-Trichloroethane	8.41	97	2388	1.900	ug/L	89
46) Tetrachloroethene	8.56	164	2021	2.075	ug/L #	81
48) 2-Hexanone	8.69	43	11093	5.929	ug/L	94
49) Dibromochloromethane	8.82	129	2313	1.630	ug/L	98
50) 1,2-Dibromoethane	8.93	107	2723	1.947	ug/L #	89
51) Chlorobenzene	9.45	112	6562	1.921	ug/L	99
52) Ethylbenzene	9.57	91	10850	1.834	ug/L	93
53) m,p-Xylene	9.69	106	3719	1.668	ug/L	99
54) o-xylene	10.10	106	3814	1.782	ug/L	85
55) Styrene	10.11	104	5747	1.552	ug/L	100
56) Isopropylbenzene	10.48	105	9574	1.648	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	4323	1.887	ug/L #	96
59) 1,2,3-Trichloropropane	10.82	75	3335	1.744	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	4752	1.877	ug/L	94
63) 1,4-Dichlorobenzene	11.83	146	5201	2.051	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	5083	1.987	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	3095	1.696	ug/L	91
68) 1,2,4-trichlorobenzene	13.83	180	2836	1.831	ug/L	95
69) Naphthalene	14.08	128	6915	1.488	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.32	180	2444	1.562	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 1.720 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

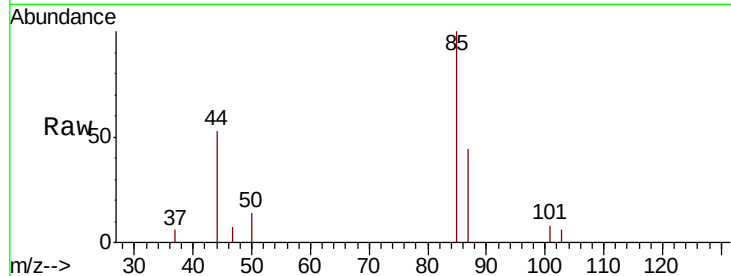
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2182

Ion Ratio Lower Upper

85 100

87 38.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039637.D (-8) (-)

1.39

2000

1500

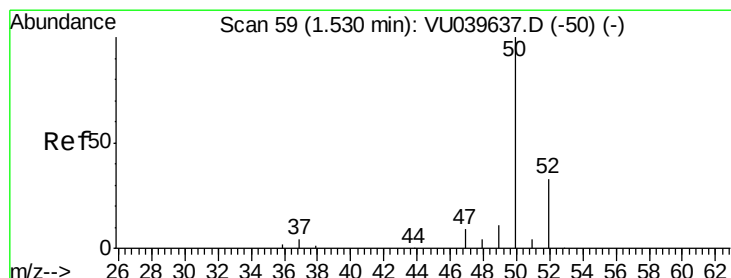
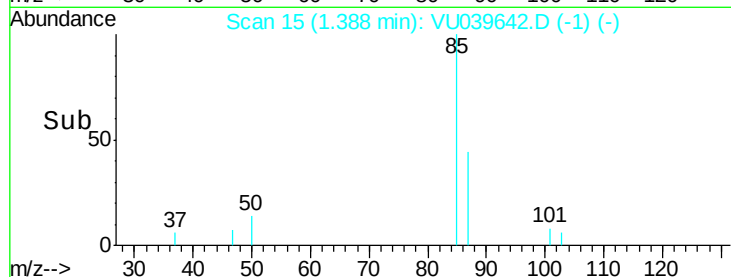
1000

500

0

1.36 1.38 1.40 1.42

Time-->



#3

Chloromethane

Concen: 2.069 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039642.D

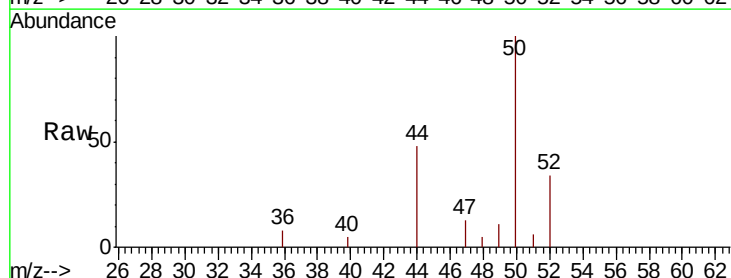
Acq: 23 Jul 2020 17:13

Tgt Ion: 50 Resp: 2727

Ion Ratio Lower Upper

50 100

52 34.0 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039637.D (-50) (-)

1.53

2500

2000

1500

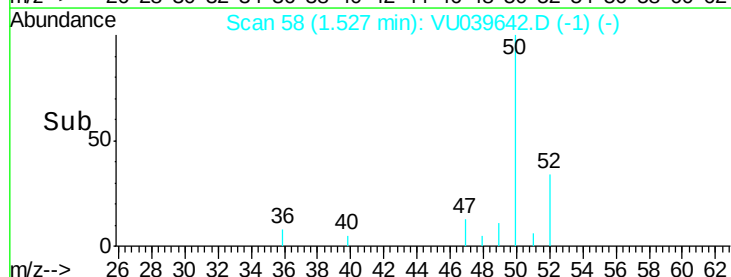
1000

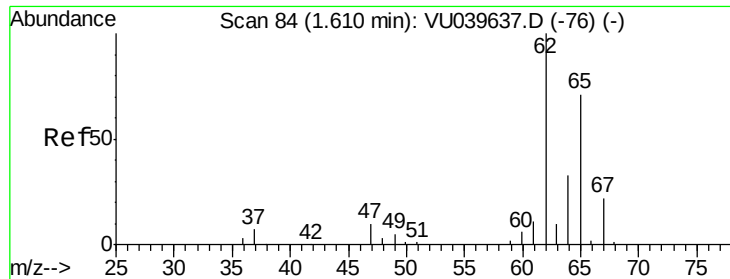
500

0

1.50 1.52 1.54 1.56

Time-->





#5

Vinyl chloride

Concen: 2.152 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

Instrument :

MSVOA_U

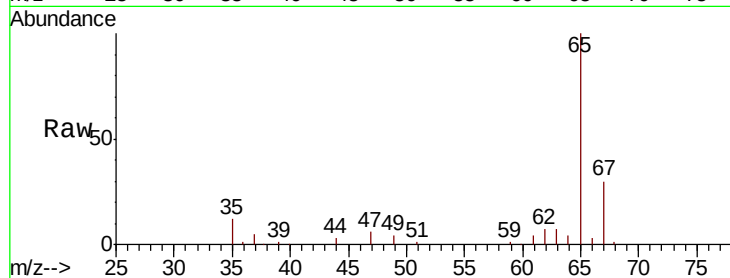
ClientSampled :

Tot Ion: 62 Resp: 2881

Ion Ratio Lower Upper

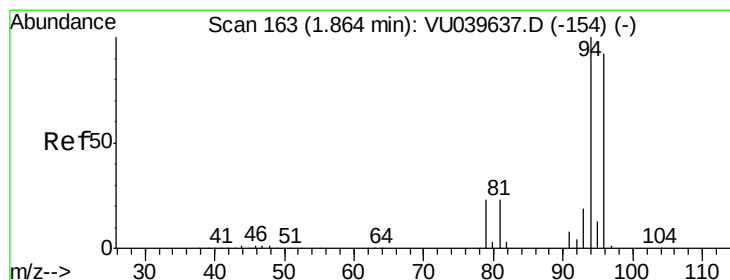
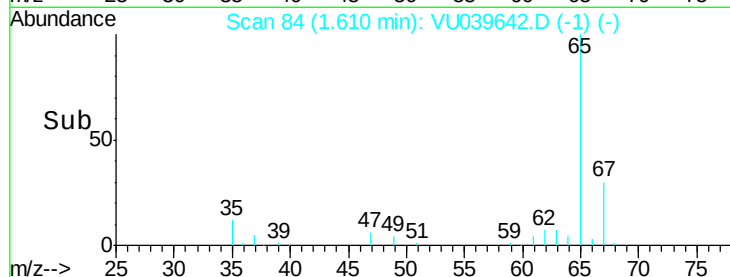
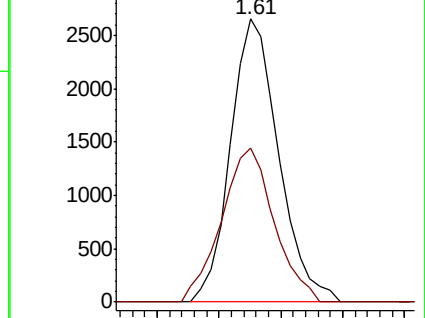
62 100

64 54.3 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 1.683 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039642.D

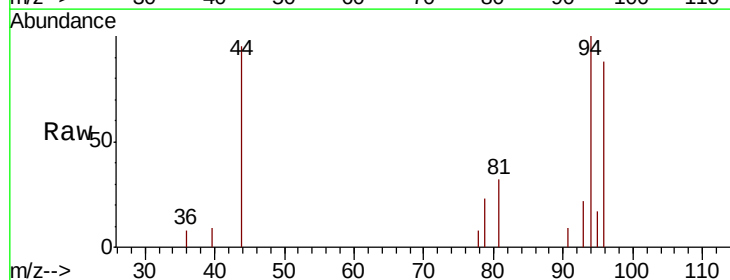
Acq: 23 Jul 2020 17:13

Tgt Ion: 94 Resp: 1693

Ion Ratio Lower Upper

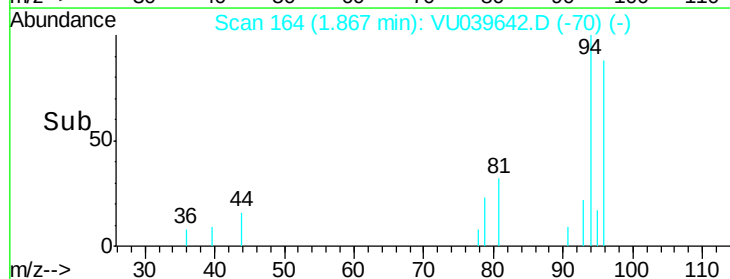
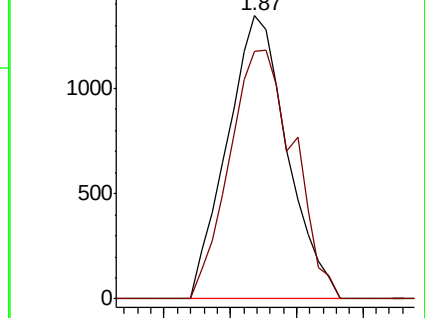
94 100

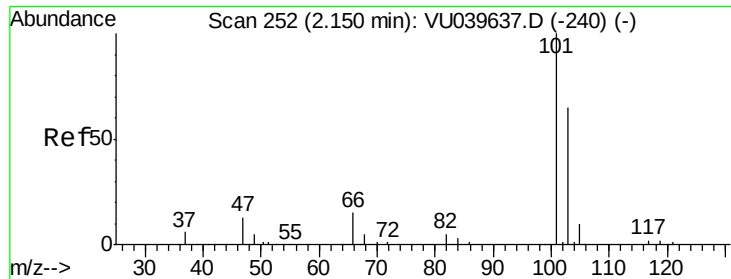
96 87.7 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



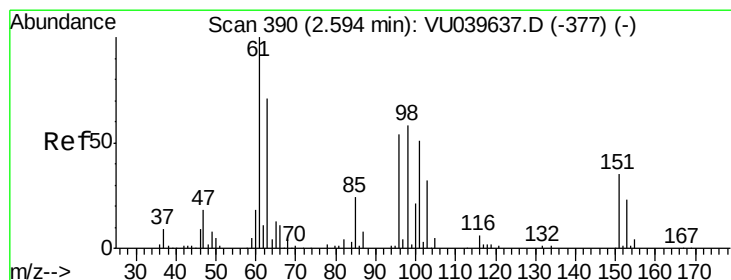
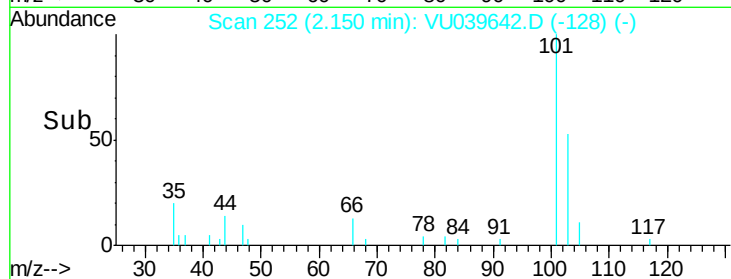
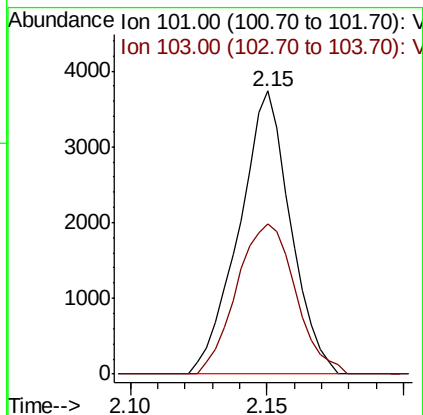
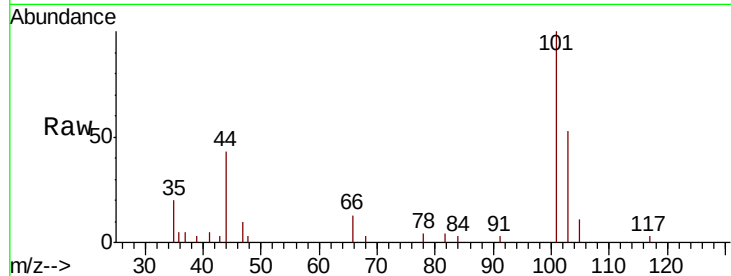


#9

Trichlorofluoromethane
Concen: 2.063 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Instrument :
MSVOA_U
ClientSampleId :

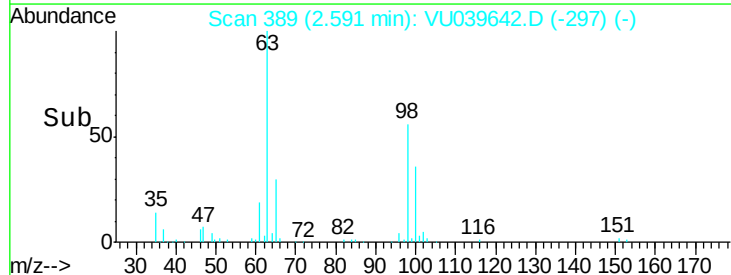
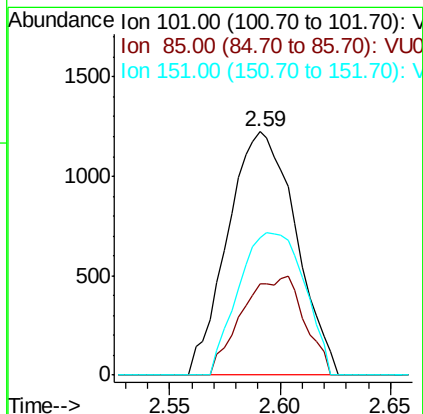
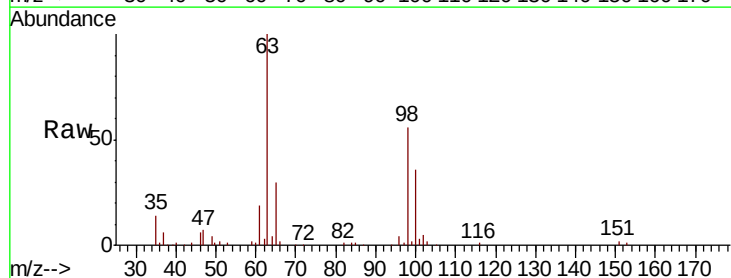
Tot Ion:101 Resp: 4882
Ion Ratio Lower Upper
101 100
103 60.7 52.8 79.2

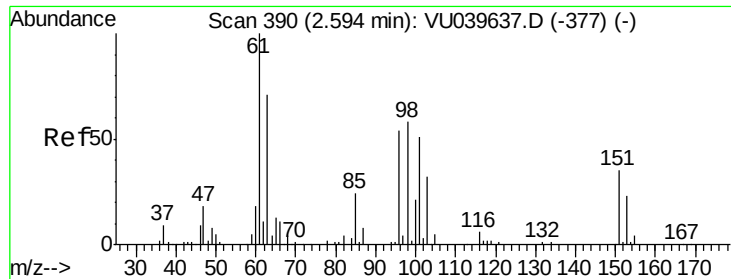


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.300 ug/L
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion:101 Resp: 2620
Ion Ratio Lower Upper
101 100
85 21.1 39.7 59.5#
151 56.7 57.4 86.2#

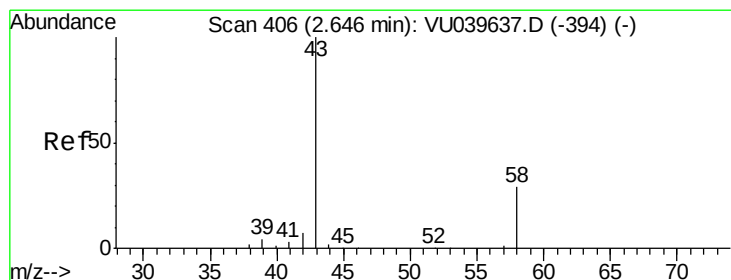
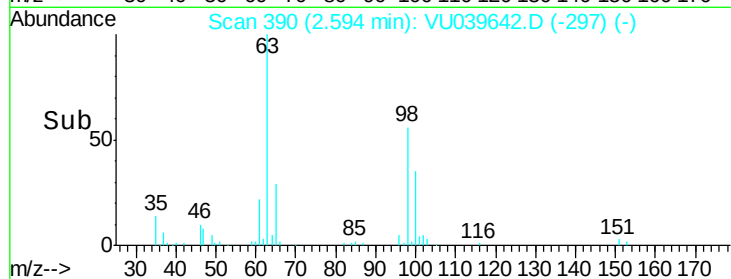
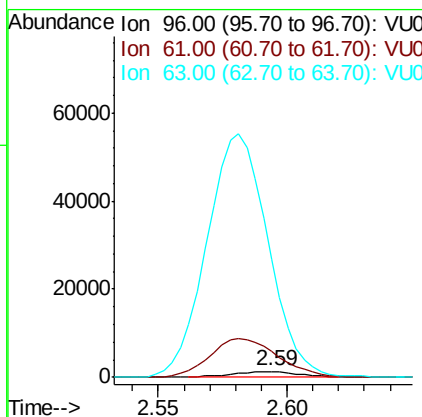
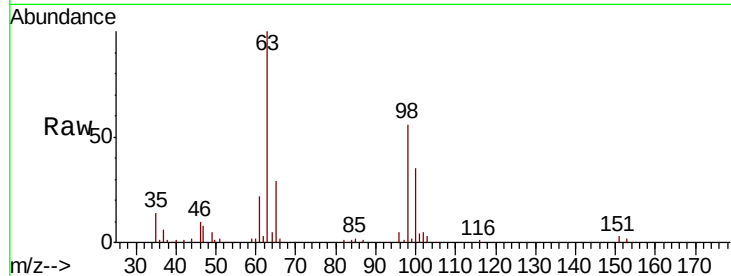




#12
 1,1-Dichloroethene
 Concen: 2.219 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

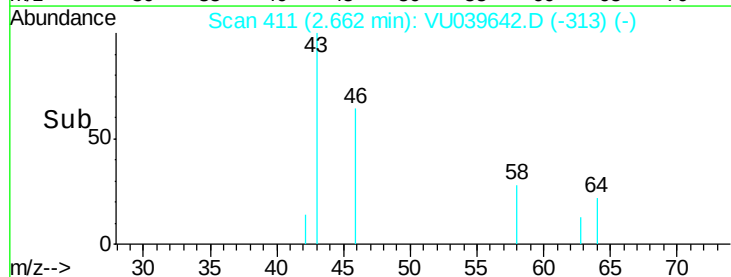
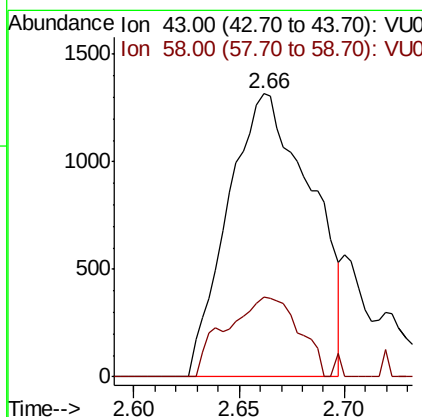
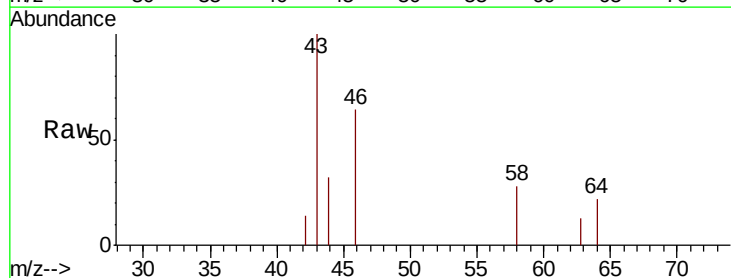
Instrument :
 MSVOA_U
 ClientSampled :

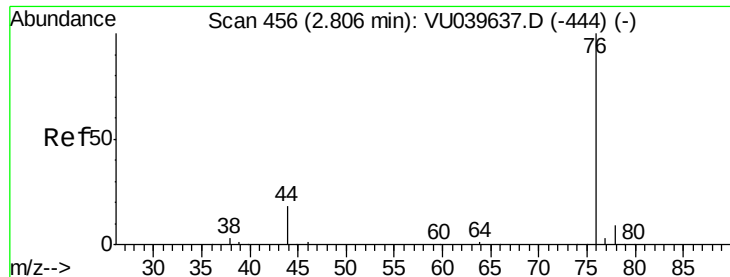
Tot Ion: 96 Resp: 2357
 Ion Ratio Lower Upper
 96 100
 61 419.5 136.6 253.6#
 63 1948.5 97.2 180.6#



#13
 Acetone
 Concen: 3.900 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. 0.02 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Tgt Ion: 43 Resp: 3632
 Ion Ratio Lower Upper
 43 100
 58 20.4 0.0 59.4

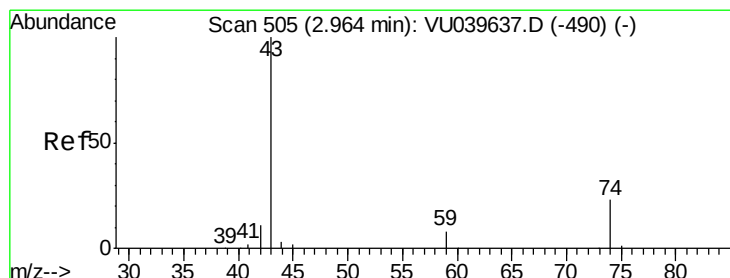
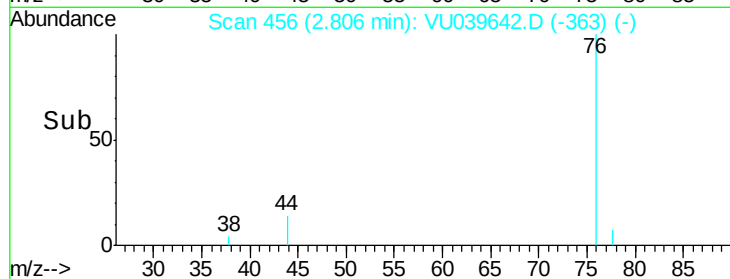
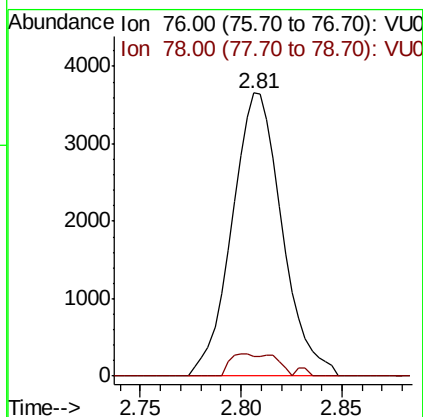
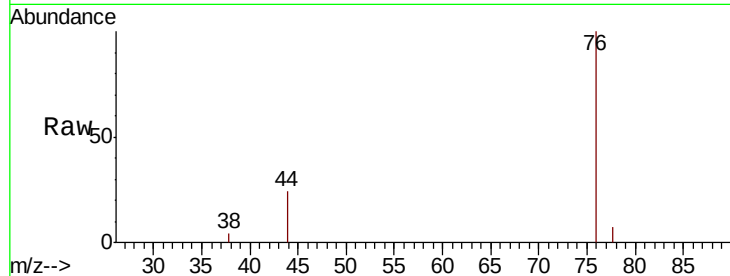




#14
Carbon disulfide
Concen: 1.868 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

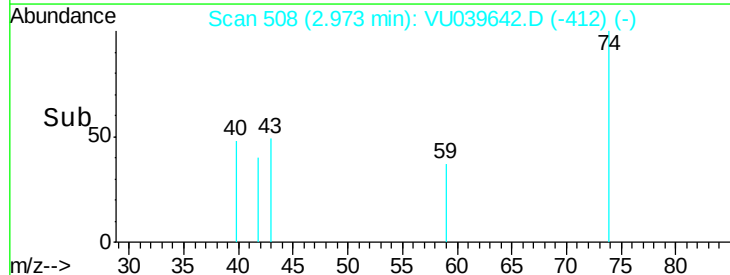
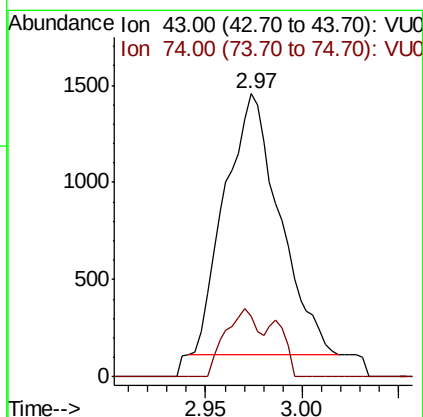
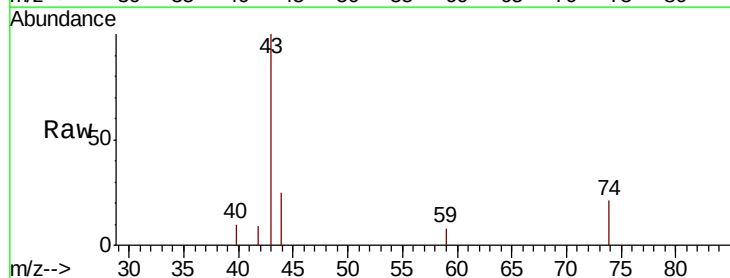
Instrument :
MSVOA_U
ClientSampleId :

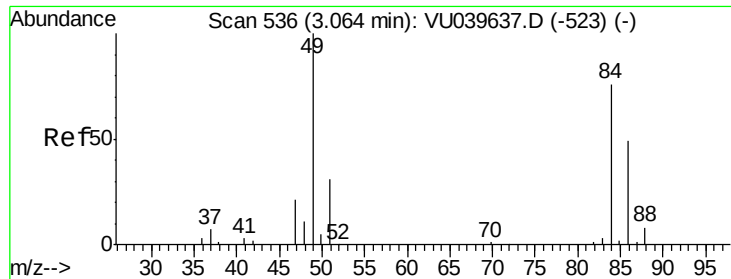
Tot Ion: 76 Resp: 6349
Ion Ratio Lower Upper
76 100
78 7.2 7.3 10.9#



#15
Methyl Acetate
Concen: 1.597 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 43 Resp: 2664
Ion Ratio Lower Upper
43 100
74 16.0 17.4 26.0#

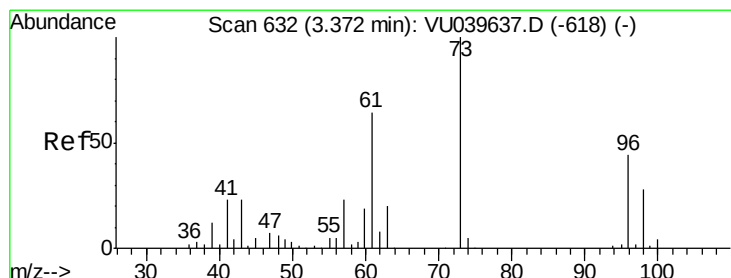
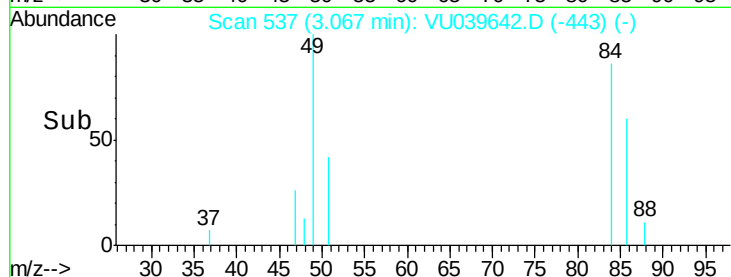
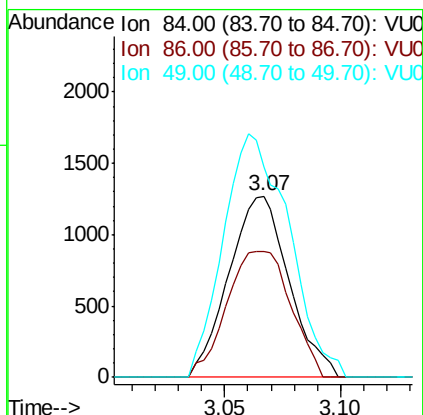
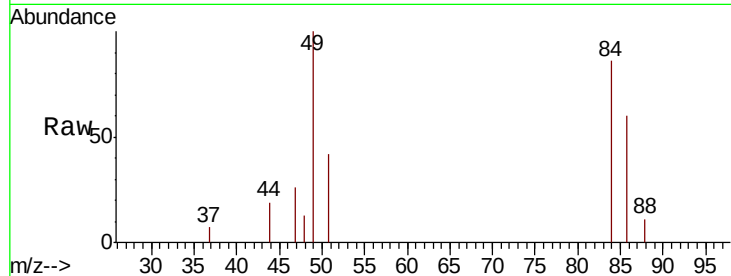




#16
Methylene chloride
Concen: 1.803 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

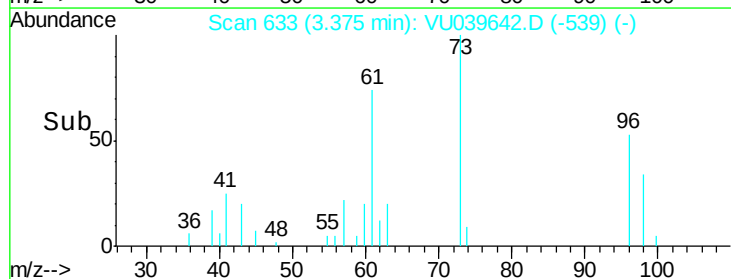
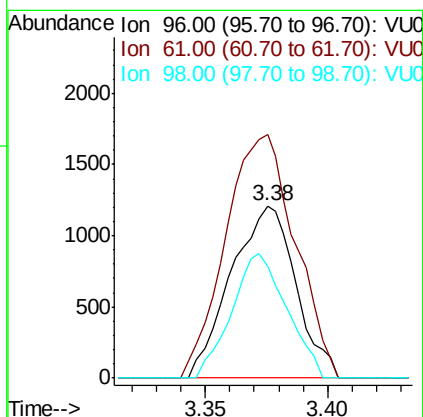
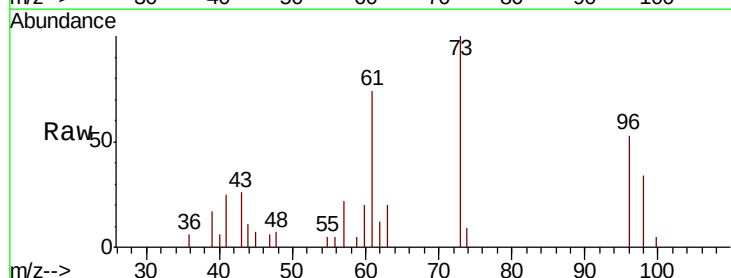
Instrument :
MSVOA_U
ClientSampleId :

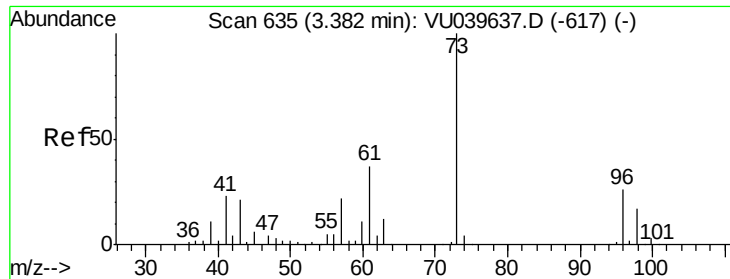
Tot Ion: 84 Resp: 2293
Ion Ratio Lower Upper
84 100
86 69.8 46.2 85.8
49 116.3 97.3 180.7



#17
trans-1,2-Dichloroethene
Concen: 1.877 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 96 Resp: 2219
Ion Ratio Lower Upper
96 100
61 141.1 106.7 198.1
98 64.8 44.3 82.3

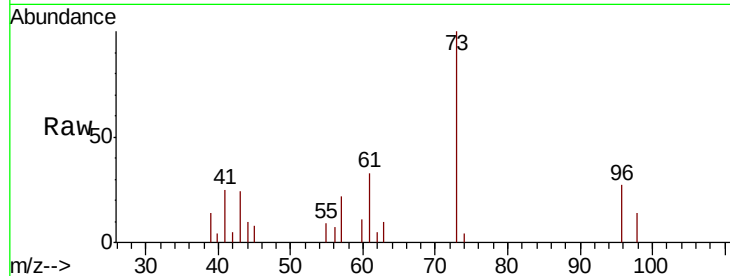




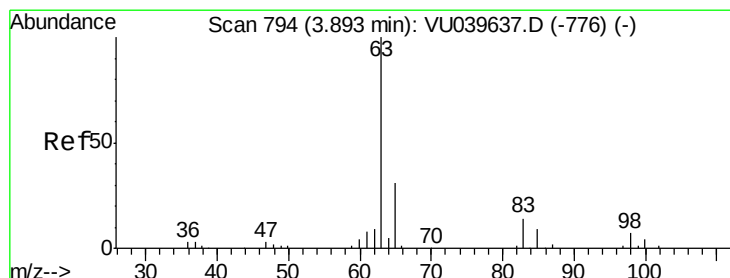
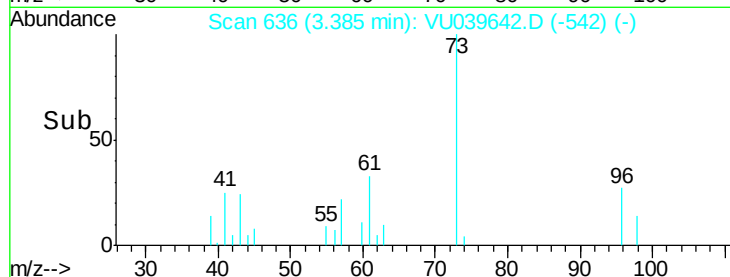
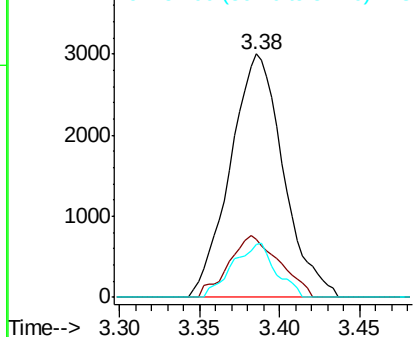
#18
Methyl tert-butyl Ether
Concen: 1.783 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 6809
Ion Ratio Lower Upper
73 100
43 22.7 18.2 27.2
57 18.0 17.4 26.2

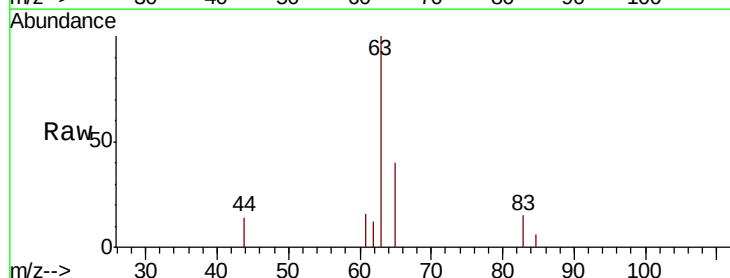


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

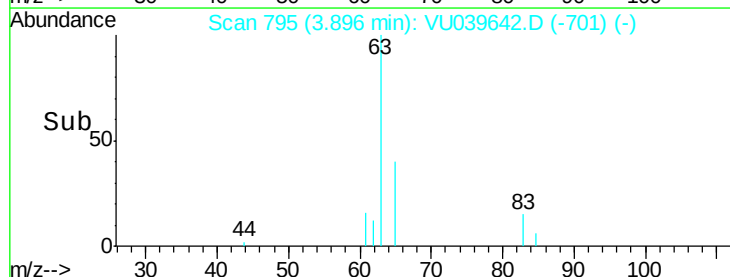
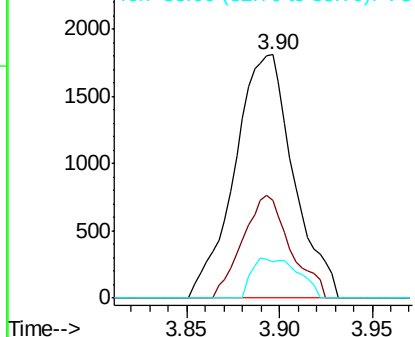


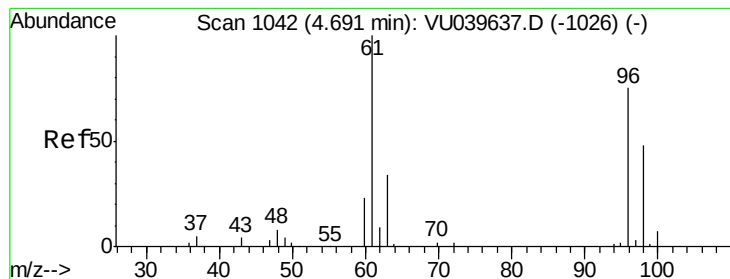
#19
1,1-Dichloroethane
Concen: 1.735 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 63 Resp: 4001
Ion Ratio Lower Upper
63 100
65 40.1 20.4 38.0#
83 15.0 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: 1.776 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

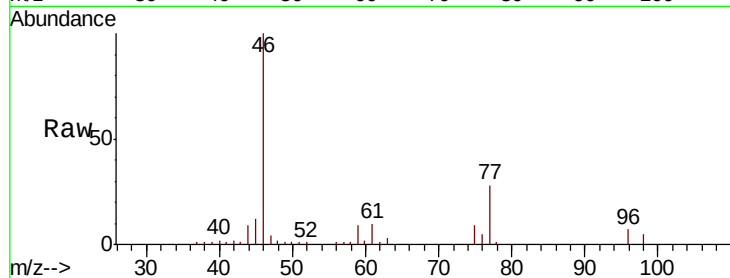
Tot Ion: 96 Resp: 2399

Ion Ratio Lower Upper

96 100

61 139.6 94.0 174.6

68 0.0 0.0 0.0

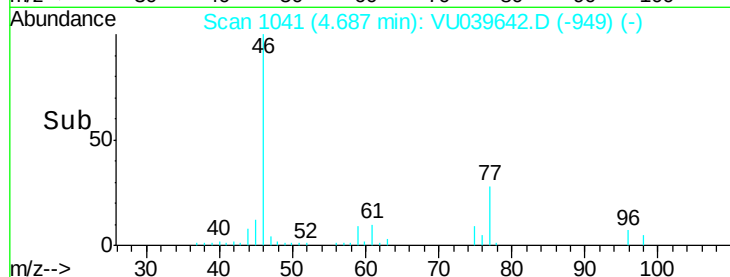


Abundance Ion 96.00 (95.70 to 96.70): VU039637.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VU039637.D (-1026) (-)

Ion 68.00 (67.70 to 68.70): VU039637.D (-1026) (-)

Time-->

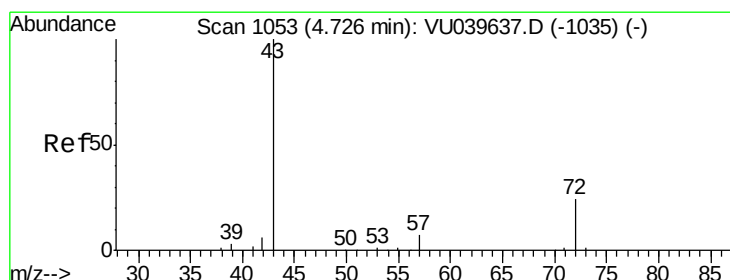


Abundance Ion 96.00 (95.70 to 96.70): VU039642.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU039642.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU039642.D (-949) (-)

Time-->



#22

2-Butanone

Concen: 3.439 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.02 min

Lab File: VU039642.D

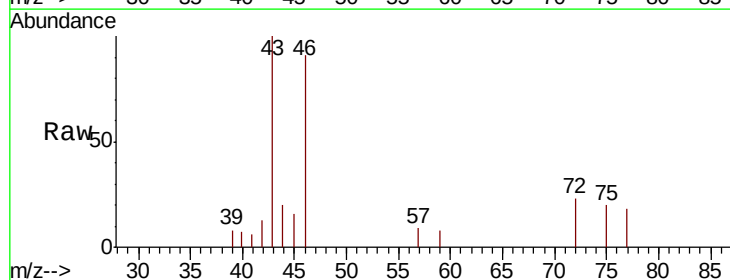
Acq: 23 Jul 2020 17:13

Tgt Ion: 43 Resp: 4514

Ion Ratio Lower Upper

43 100

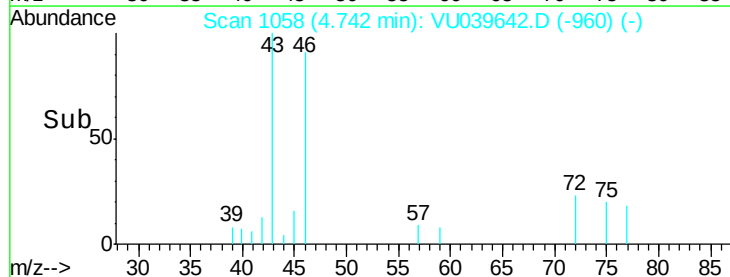
72 12.6 12.8 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-1035) (-)

Ion 72.00 (71.70 to 72.70): VU039637.D (-1035) (-)

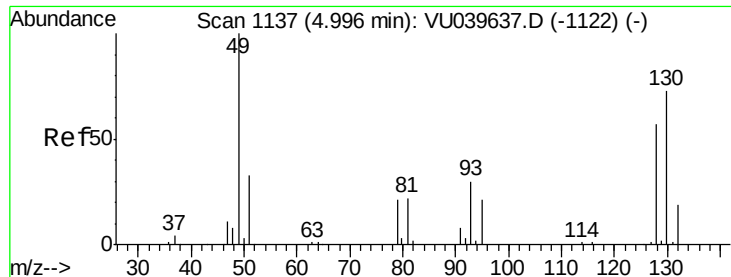
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VU039642.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU039642.D (-960) (-)

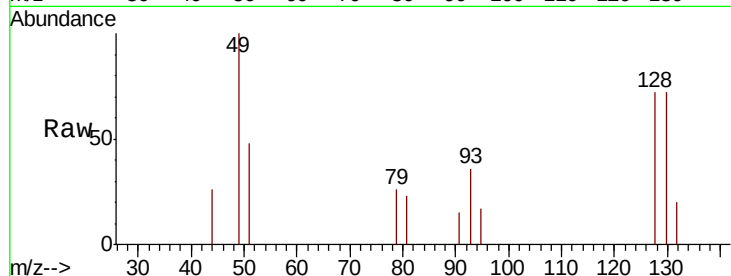
Time-->



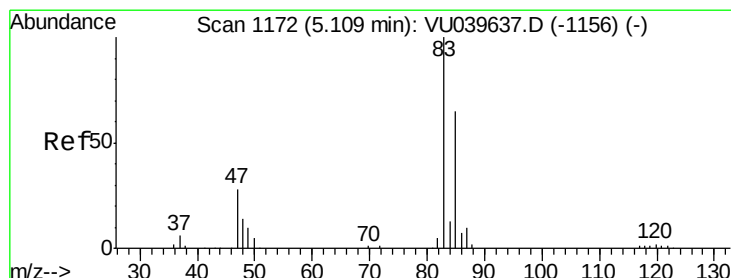
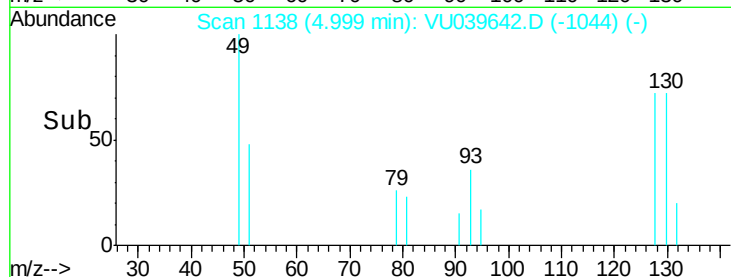
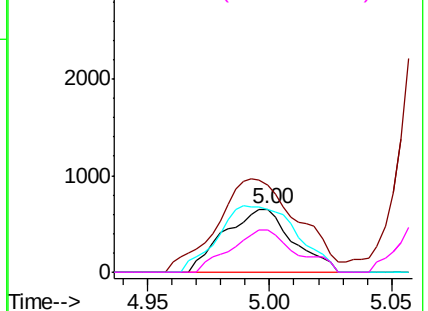
#23
Bromochloromethane
Concen: 1.871 ug/L
RT: 5.00 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1270
Ion Ratio Lower Upper
128 100
49 138.3 124.5 231.3
130 100.2 94.4 175.2
51 66.7 43.5 65.3#

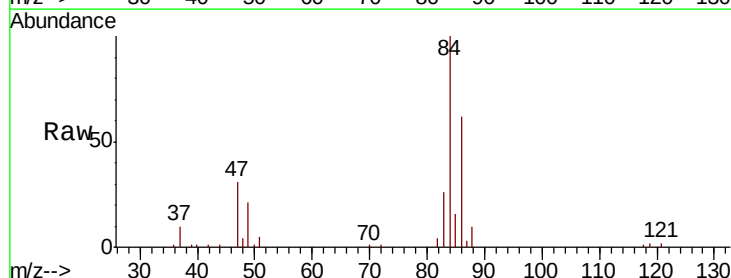


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VU0

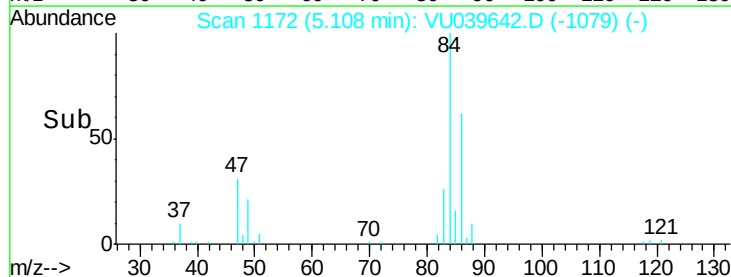
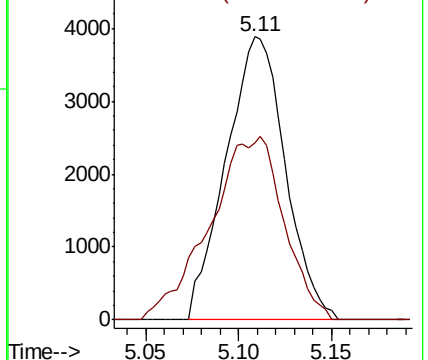


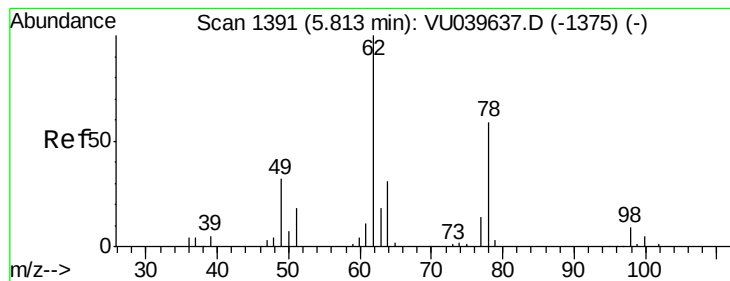
#25
Chloroform
Concen: 3.386 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 83 Resp: 8664
Ion Ratio Lower Upper
83 100
85 62.5 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 1.911 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

Instrument :

MSVOA_U

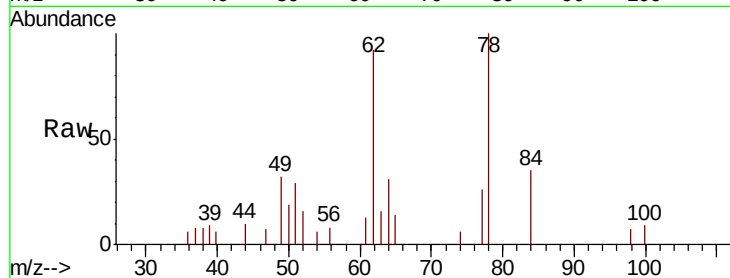
ClientSampleId :

Tot Ion: 62 Resp: 4055

Ion Ratio Lower Upper

62 100

98 7.7 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VU039637.D (-1375) (-)

Ion 98.00 (97.70 to 98.70): VU039637.D (-1375) (-)

5.81

2000

1500

1000

500

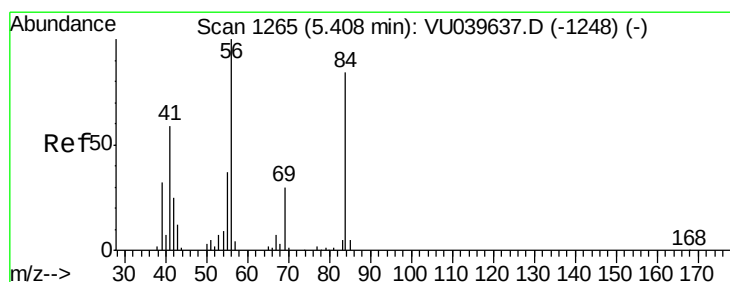
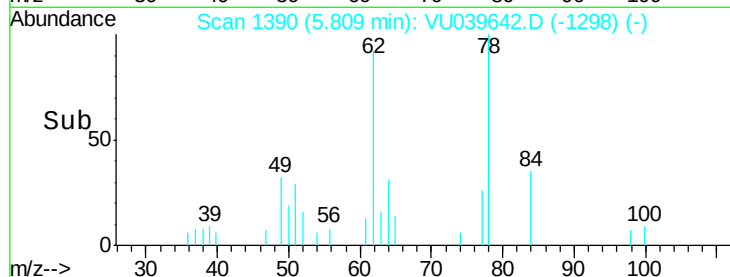
0

5.75

5.80

5.85

Time-->



#29

Cyclohexane

Concen: 1.869 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

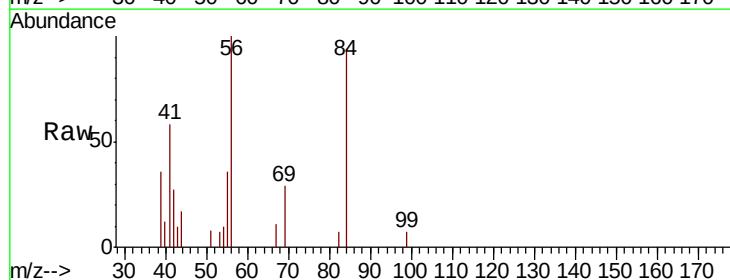
Tgt Ion: 56 Resp: 3586

Ion Ratio Lower Upper

56 100

69 31.1 23.9 35.9

84 88.7 65.8 98.8



Abundance Ion 56.00 (55.70 to 56.70): VU039637.D (-1248) (-)

Ion 69.00 (68.70 to 69.70): VU039637.D (-1248) (-)

Ion 84.00 (83.70 to 84.70): VU039637.D (-1248) (-)

5.41

2000

1500

1000

500

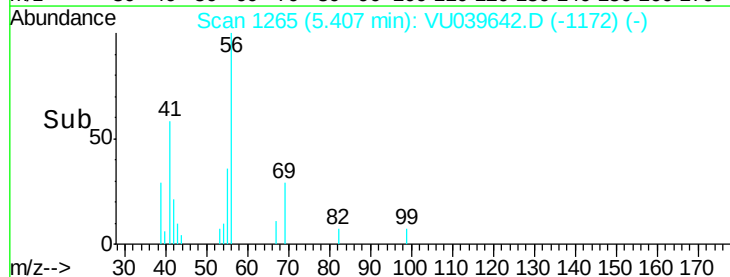
0

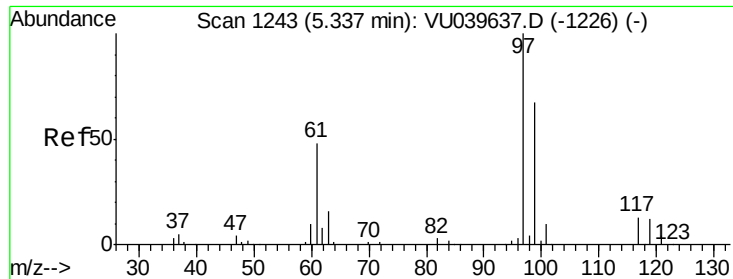
5.35

5.40

5.45

Time-->

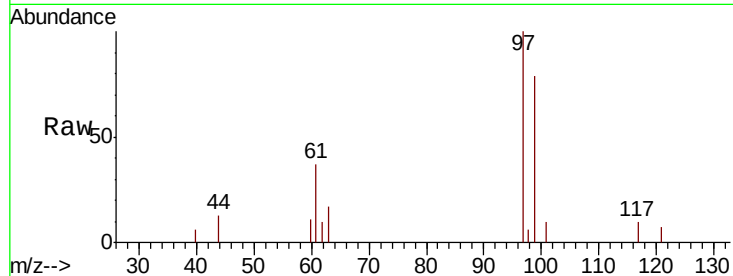




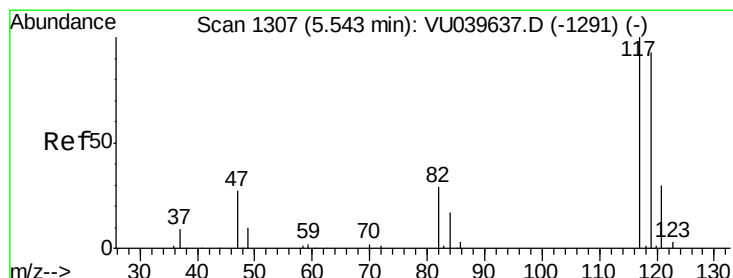
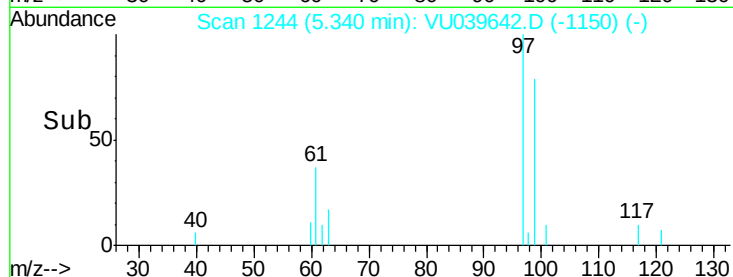
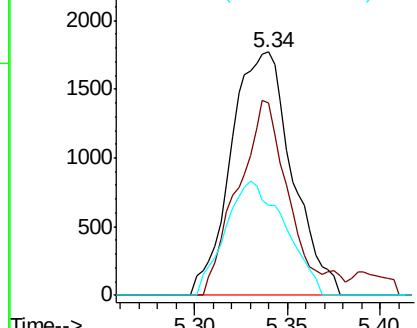
#30
 1,1,1-Trichloroethane
 Concen: 1.917 ug/L
 RT: 5.34 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 4053
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.3 75.5
 61 46.0 36.0 54.0

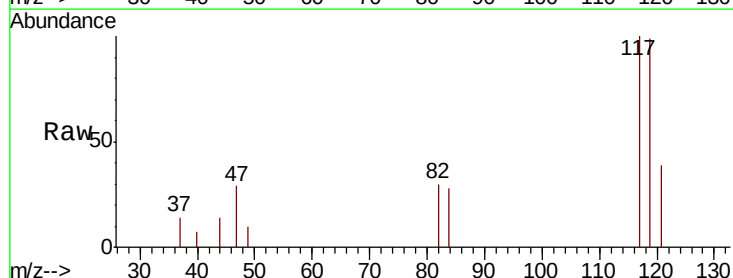


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

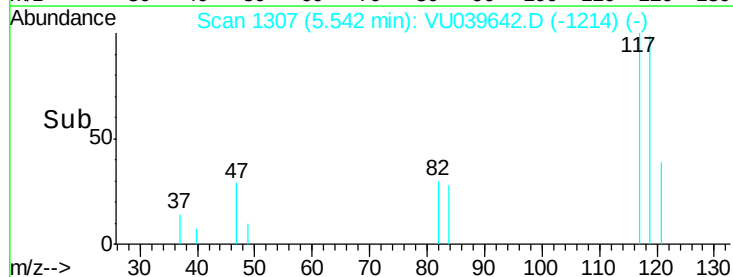
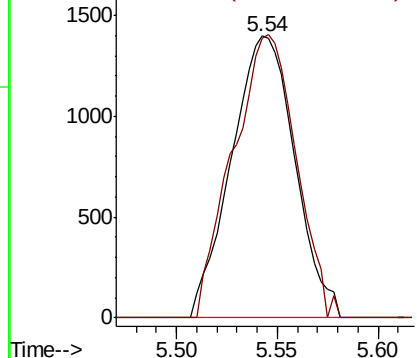


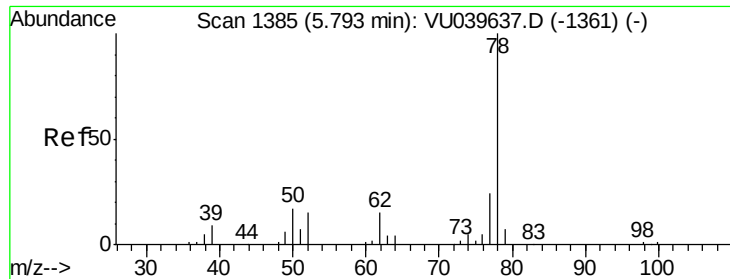
#31
 Carbon tetrachloride
 Concen: 1.749 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Tgt Ion: 117 Resp: 3069
 Ion Ratio Lower Upper
 117 100
 119 99.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

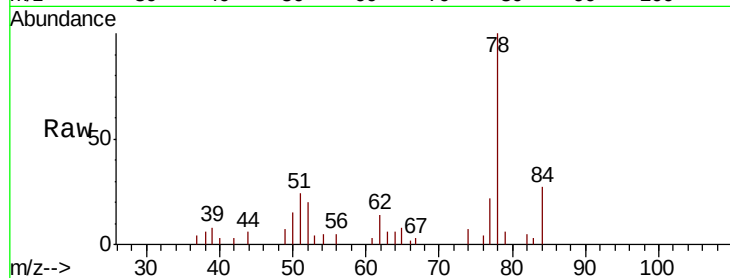




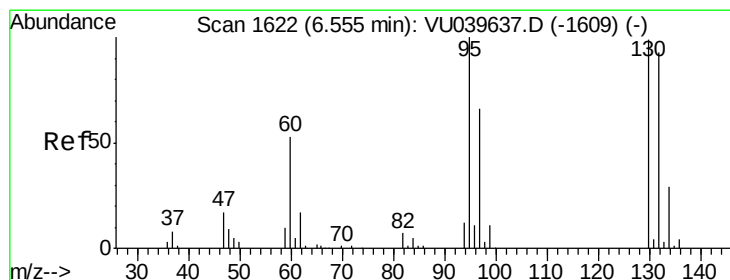
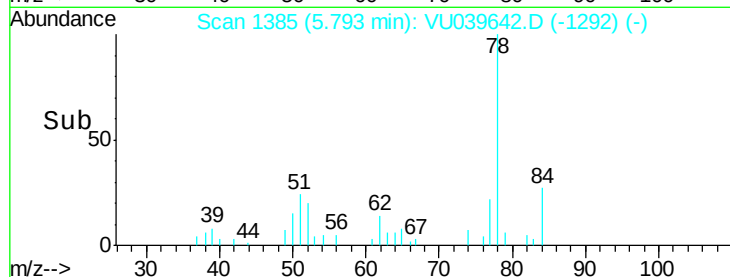
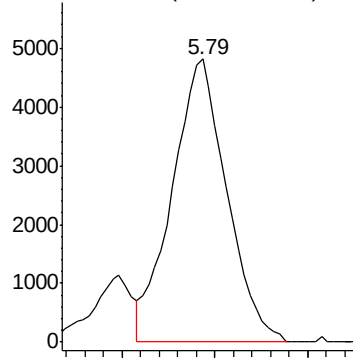
#33
Benzene
Concen: 2.019 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 9828

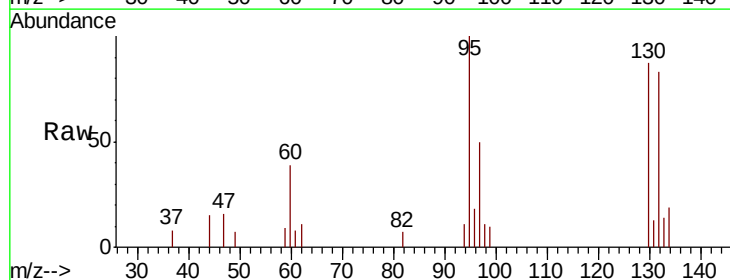


Abundance Ion 78.00 (77.70 to 78.70): VU0



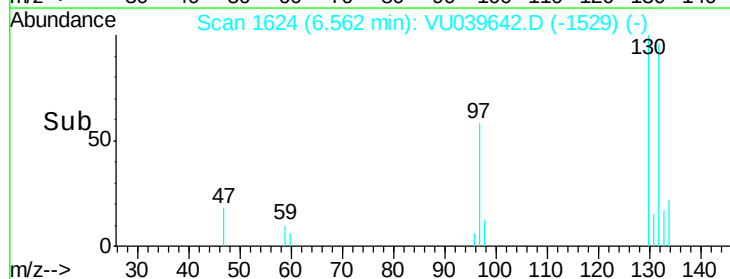
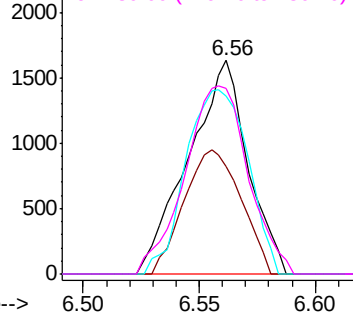
#34
Trichloroethene
Concen: 2.247 ug/L
RT: 6.56 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

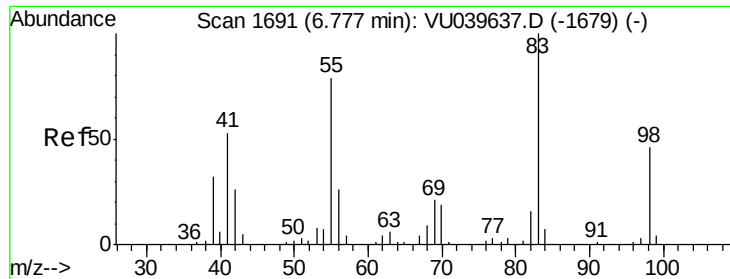
Tgt Ion: 95 Resp: 2894
Ion Ratio Lower Upper
95 100
97 50.2 45.5 84.5
132 83.4 65.0 120.6
130 99.8 67.9 126.1



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

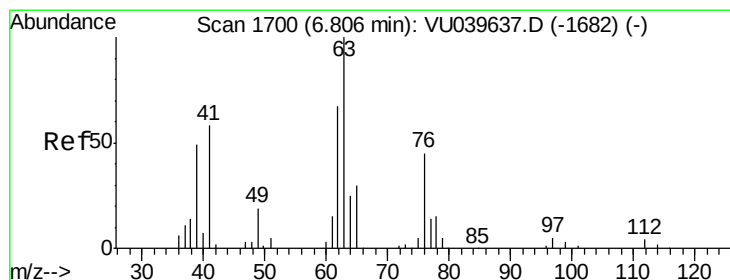
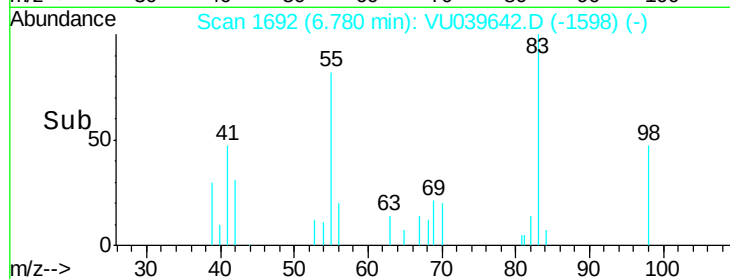
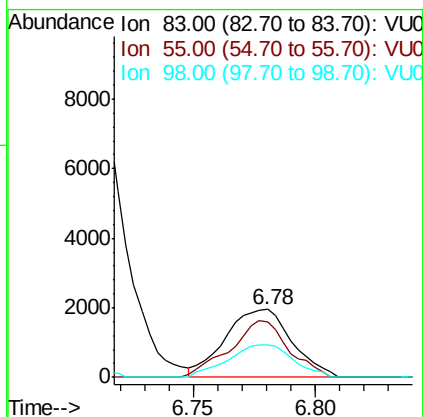
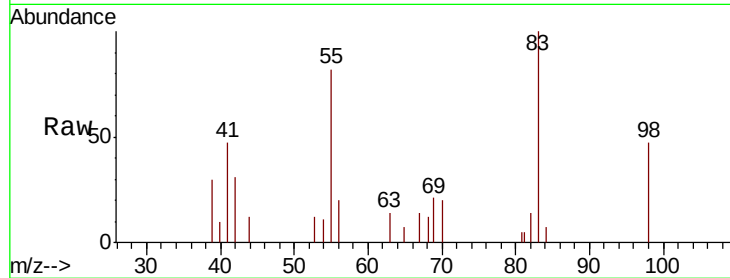




#35
Methylcyclohexane
Concen: 1.860 ug/L
RT: 6.78 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

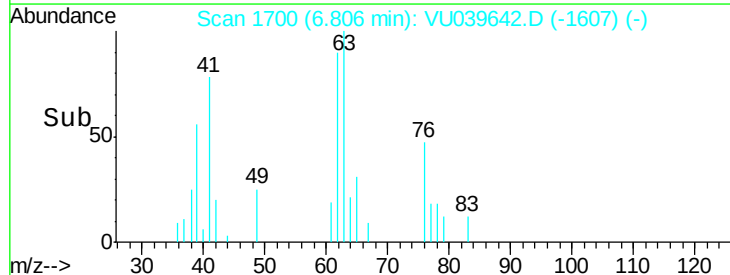
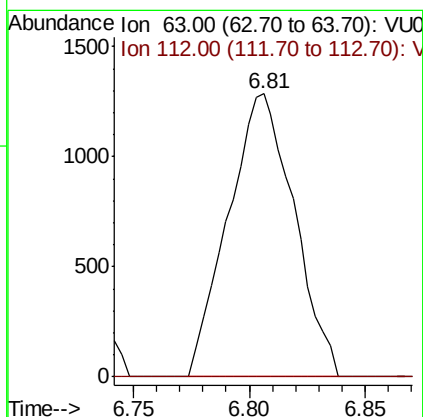
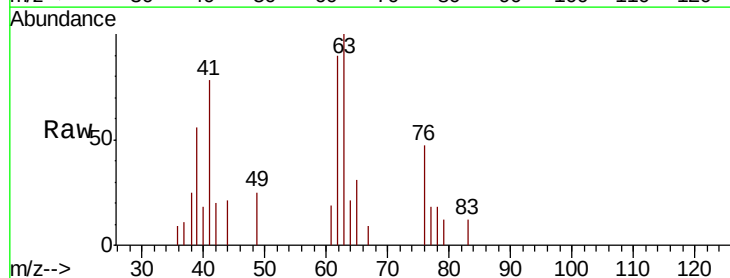
Instrument :
MSVOA_U
ClientSampleId :

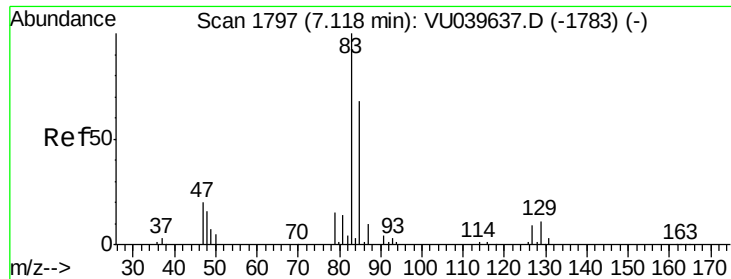
Tot Ion: 83 Resp: 3703
Ion Ratio Lower Upper
83 100
55 72.9 62.9 94.3
98 46.3 36.3 54.5



#37
1,2-Dichloropropane
Concen: 1.927 ug/L
RT: 6.81 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 63 Resp: 2540
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#

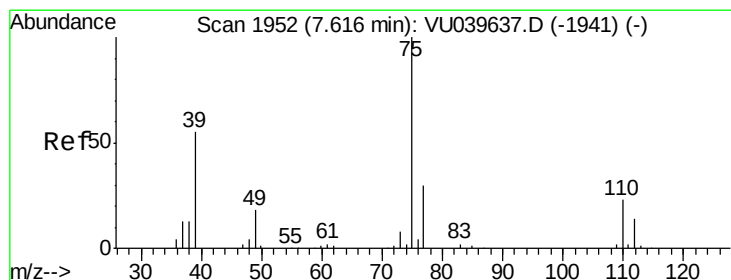
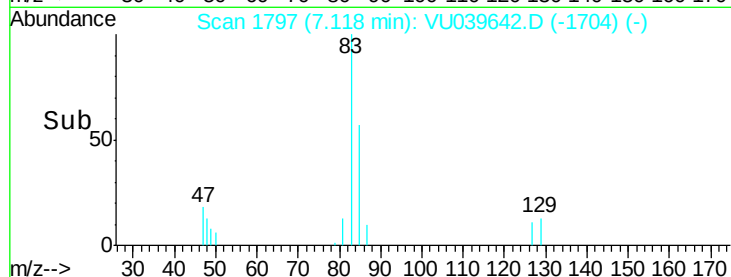
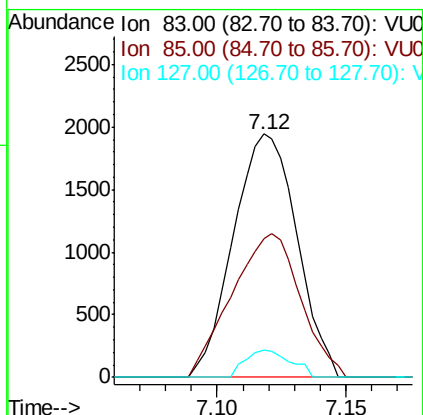
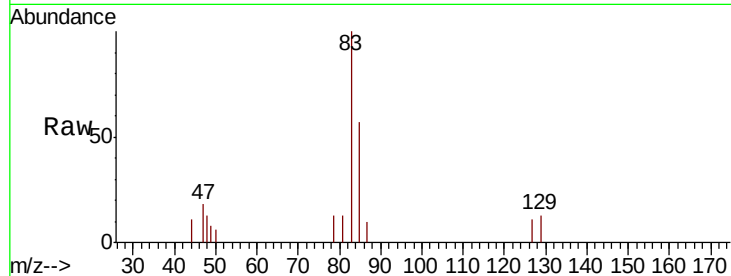




#38
 Bromodichloromethane
 Concen: 1.906 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

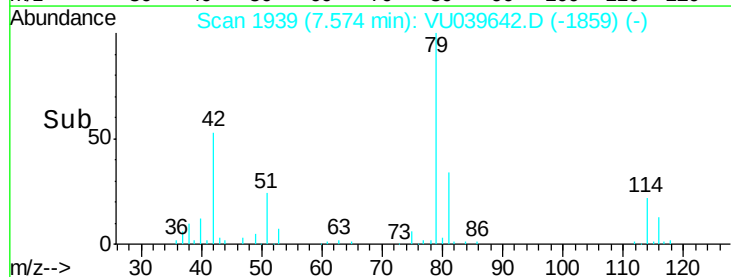
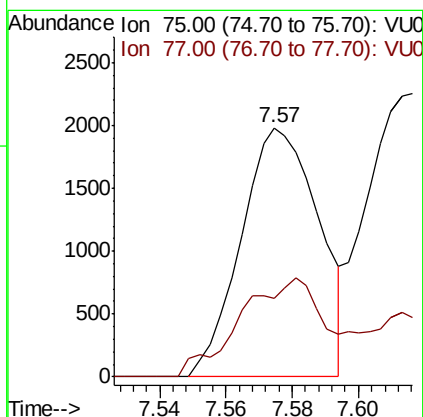
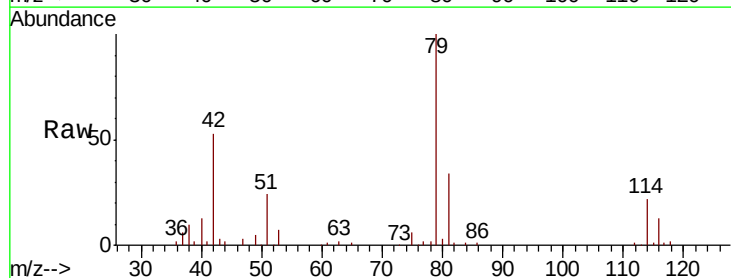
Instrument :
 MSVOA_U
 ClientSampled :

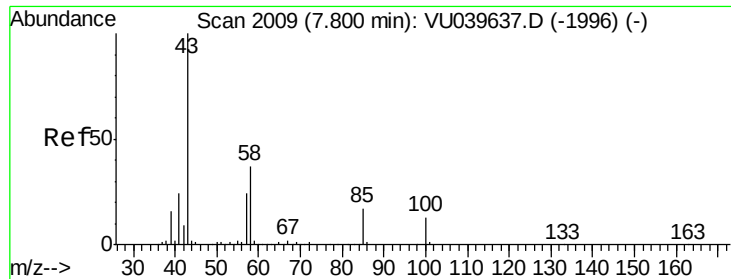
Tot Ion: 83 Resp: 3337
 Ion Ratio Lower Upper
 83 100
 85 56.8 45.9 85.3
 127 11.4 7.4 11.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.639 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Tgt Ion: 75 Resp: 3229
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.6

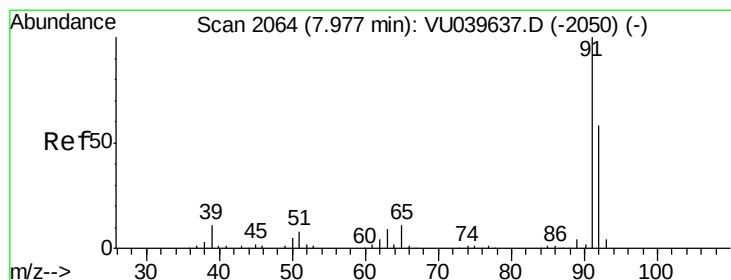
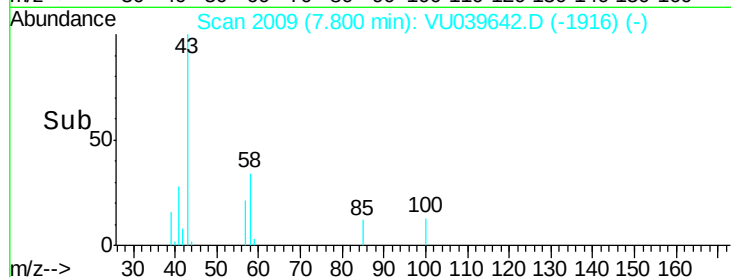
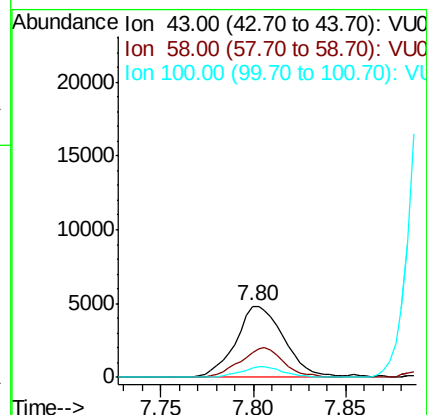
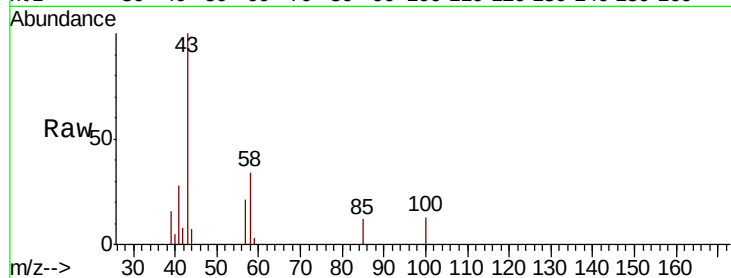




#40
4-Methyl-2-pentanone
Concen: 3.784 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

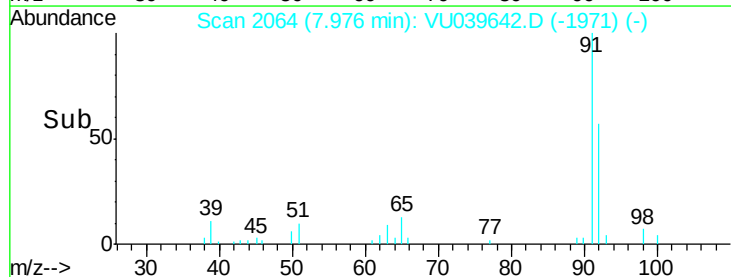
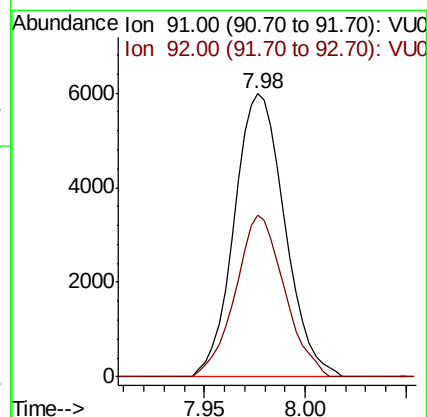
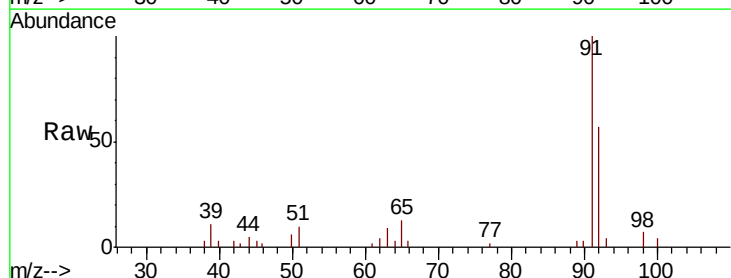
Instrument :
MSVOA_U
ClientSampleId :

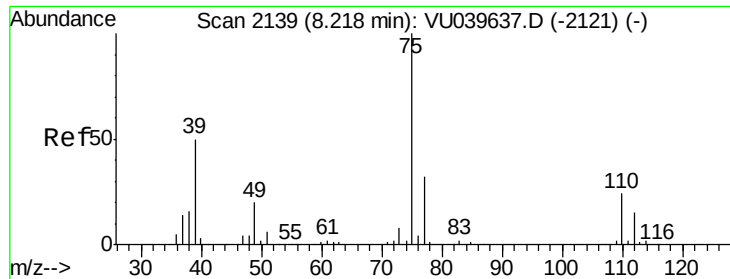
Tot Ion: 43 Resp: 8690
Ion Ratio Lower Upper
43 100
58 37.1 29.1 43.7
100 13.1 10.6 16.0



#42
Toluene
Concen: 1.958 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 91 Resp: 10485
Ion Ratio Lower Upper
91 100
92 57.2 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 1.009 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

Instrument :

MSVOA_U

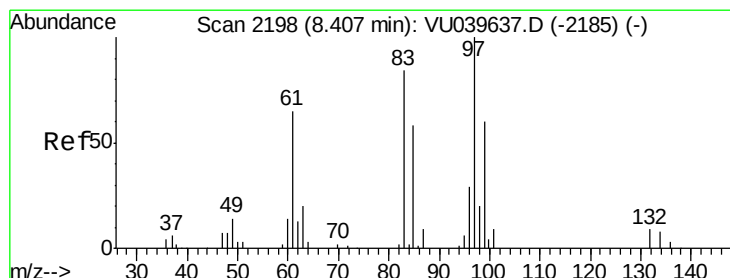
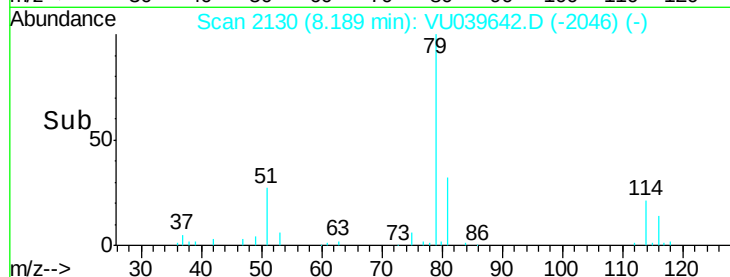
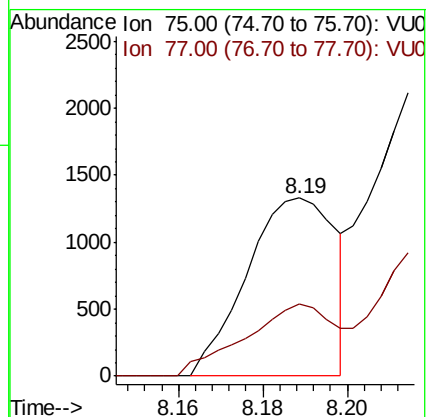
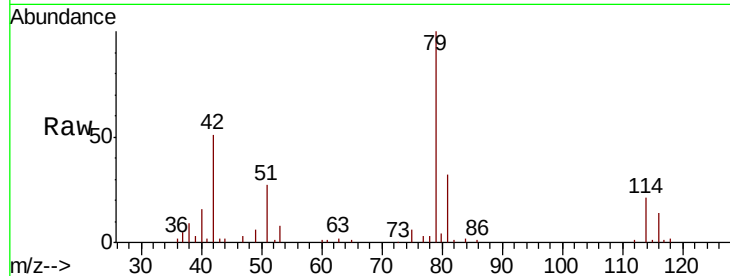
ClientSampleId :

Tot Ion: 75 Resp: 1946

Ion Ratio Lower Upper

75 100

77 40.3 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 1.900 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

Tgt Ion: 97 Resp: 2388

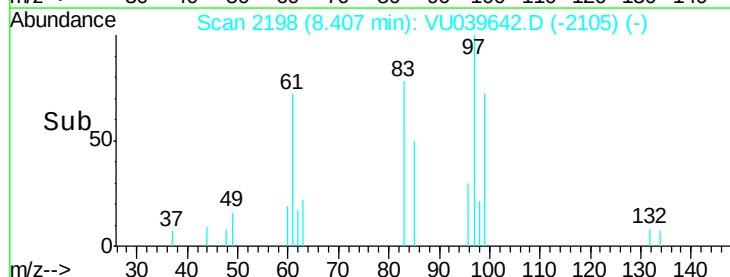
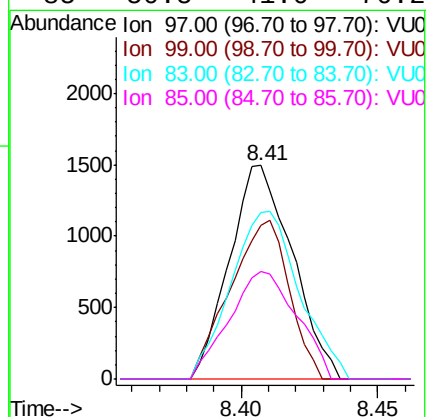
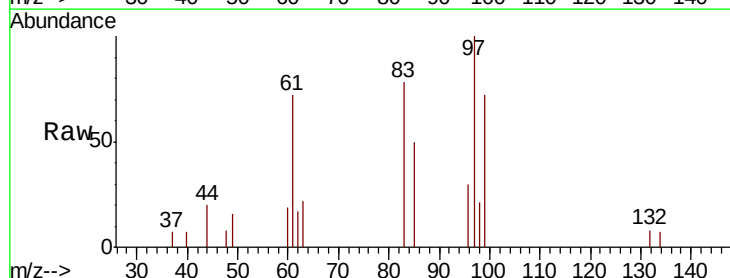
Ion Ratio Lower Upper

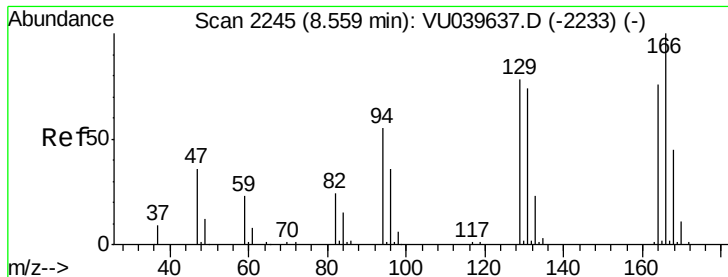
97 100

99 72.0 45.1 83.9

83 78.0 62.7 116.5

85 50.5 41.0 76.2

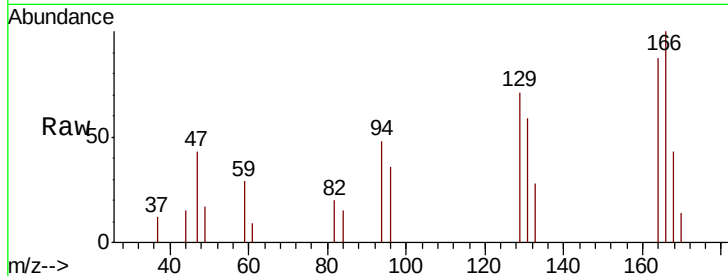




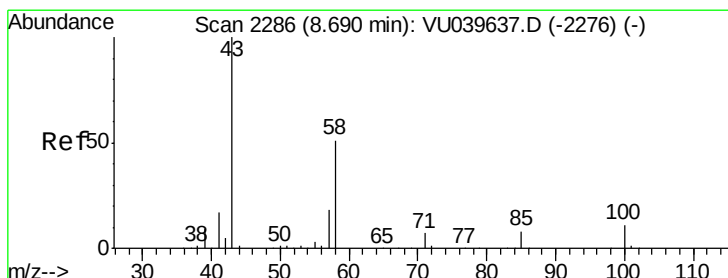
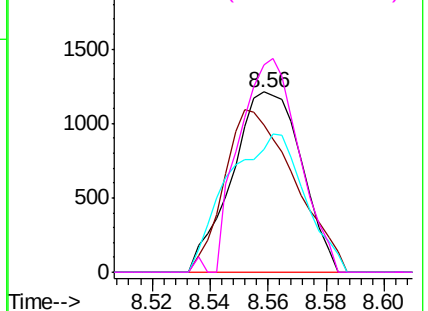
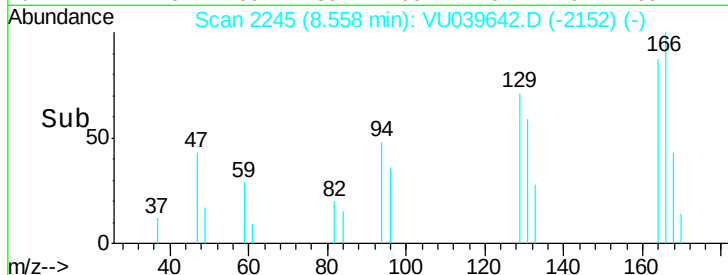
#46
Tetrachloroethene
Concen: 2.075 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 2021
Ion Ratio Lower Upper
164 100
129 81.8 71.1 132.1
131 68.4 70.3 130.5#
166 115.0 87.8 163.0

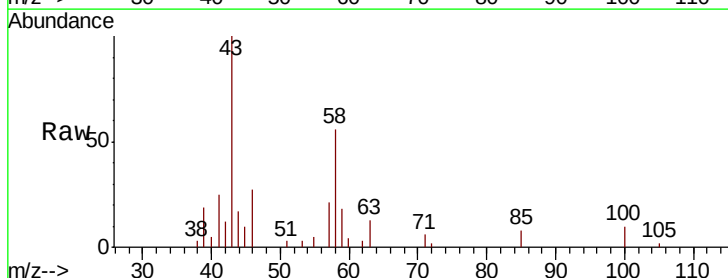


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

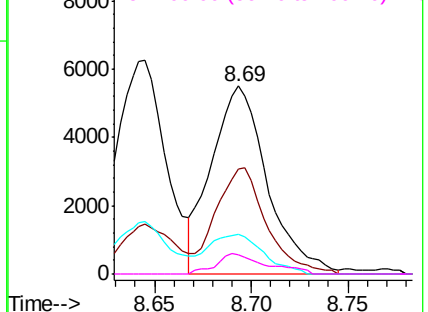
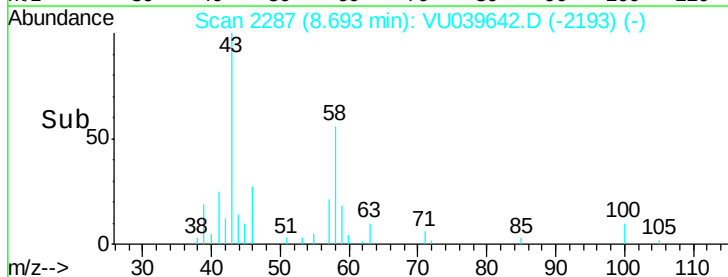


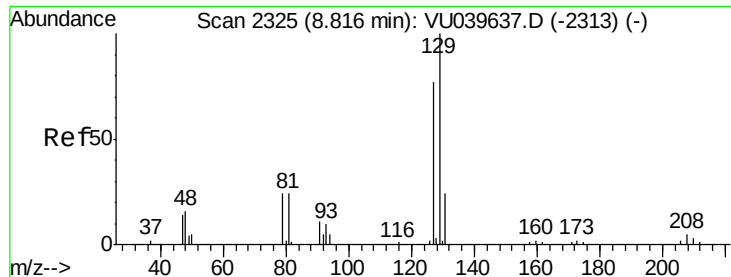
#48
2-Hexanone
Concen: 5.929 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 43 Resp: 11093
Ion Ratio Lower Upper
43 100
58 46.7 40.6 61.0
57 20.4 14.5 21.7
100 8.0 8.0 12.0



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





#49

Dibromochloromethane

Concen: 1.630 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

Instrument :

MSVOA_U

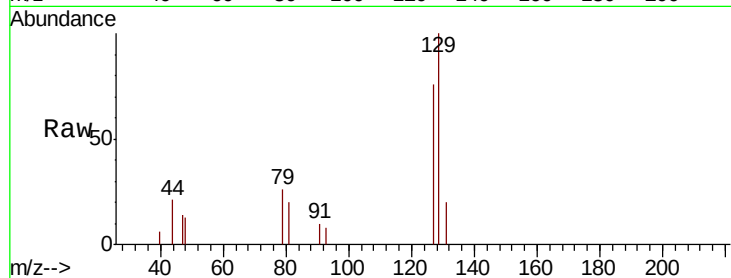
ClientSampleId :

Tot Ion:129 Resp: 2313

Ion Ratio Lower Upper

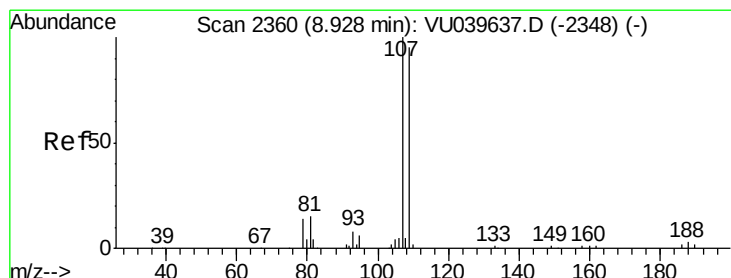
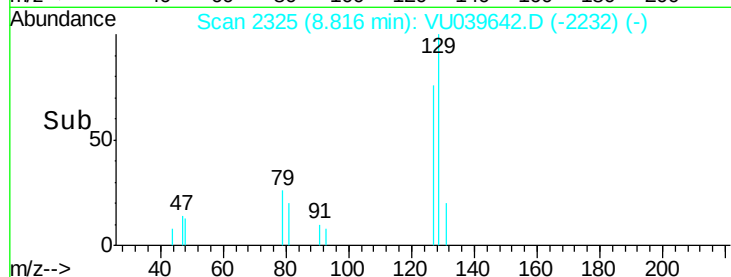
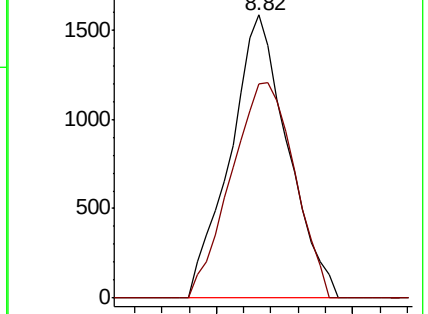
129 100

127 75.9 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.947 ug/L

RT: 8.93 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

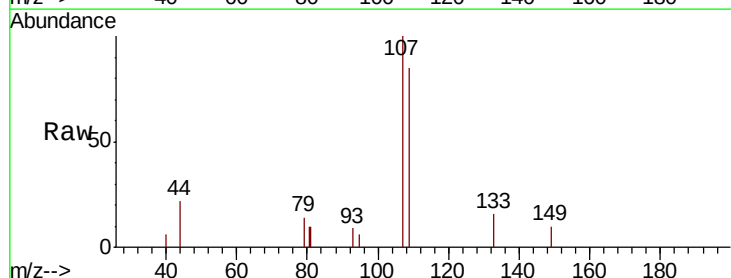
Tgt Ion:107 Resp: 2723

Ion Ratio Lower Upper

107 100

109 85.2 66.8 124.2

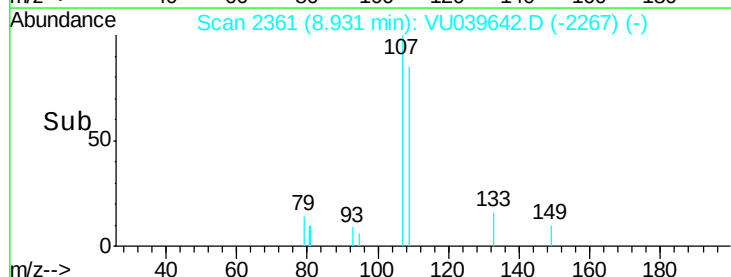
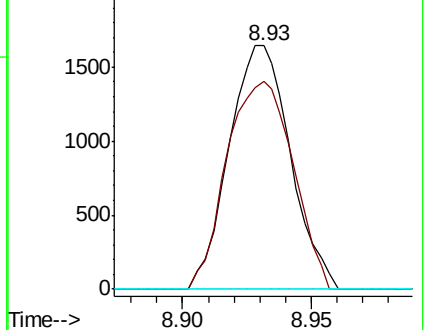
188 0.0 3.0 4.4#

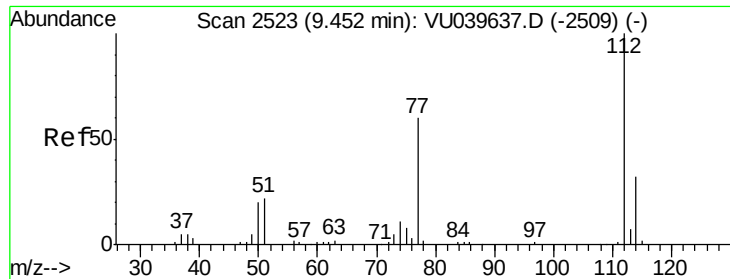


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

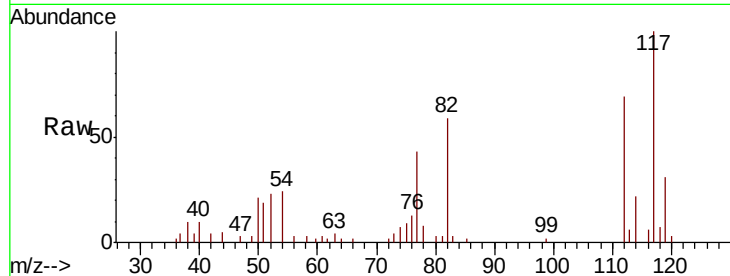




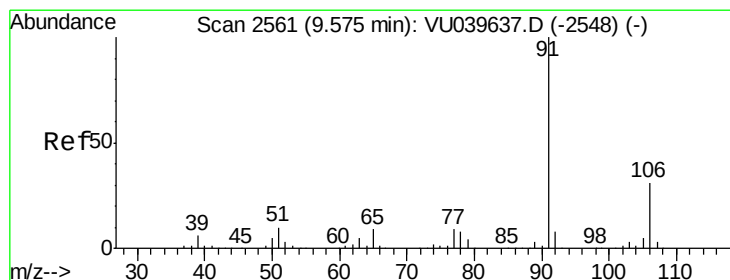
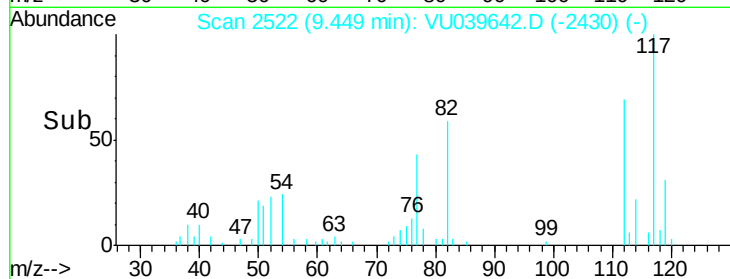
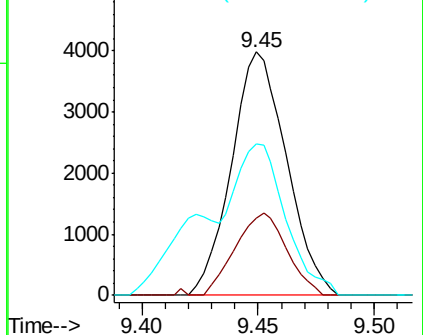
#51
Chlorobenzene
Concen: 1.921 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 6562
Ion Ratio Lower Upper
112 100
114 31.7 22.9 42.5
77 62.4 49.4 74.0

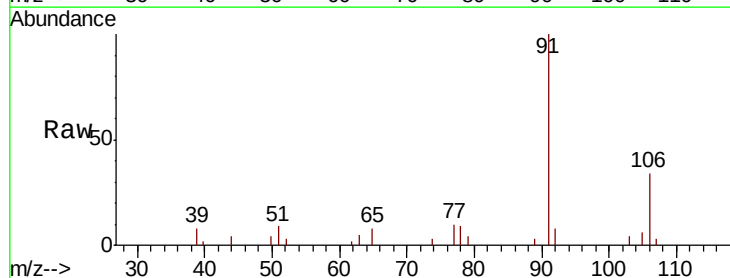


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

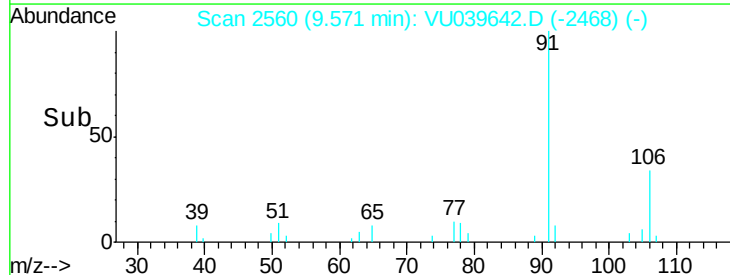
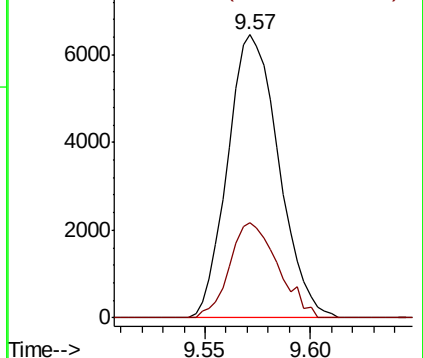


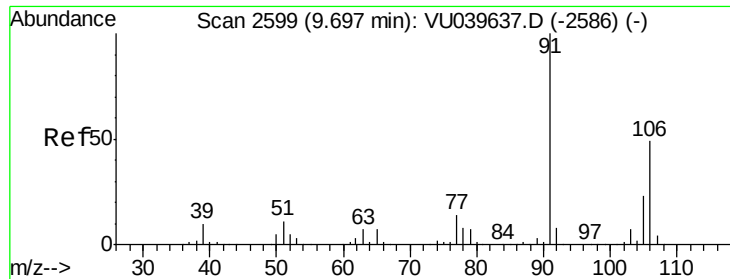
#52
Ethylbenzene
Concen: 1.834 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion: 91 Resp: 10850
Ion Ratio Lower Upper
91 100
106 33.9 21.1 39.1



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





#53

m,p-Xylene

Concen: 1.668 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

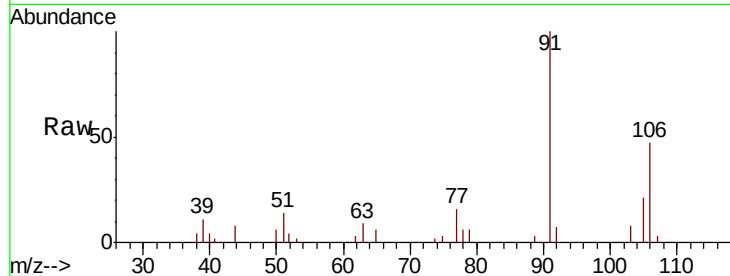
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3719

Ion Ratio Lower Upper

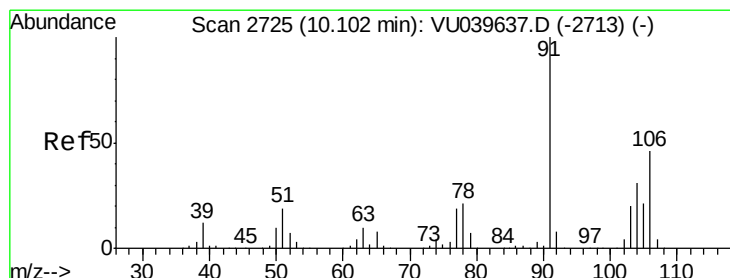
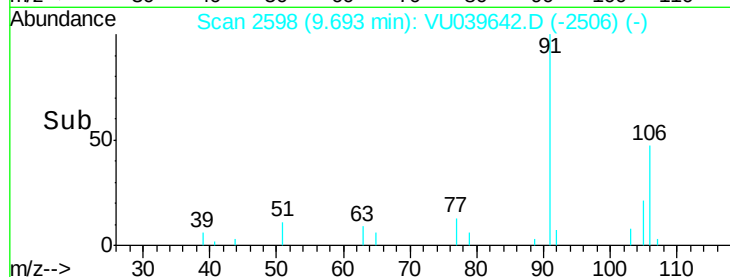
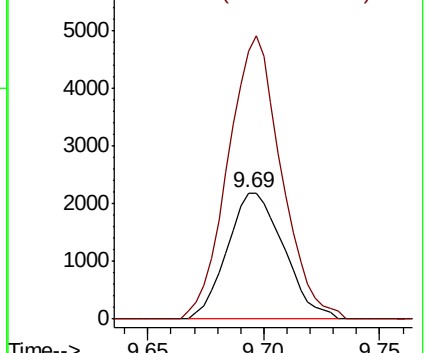
106 100

91 211.9 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.782 ug/L

RT: 10.10 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU039642.D

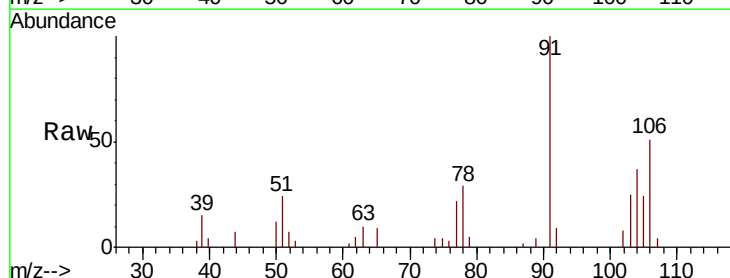
Acq: 23 Jul 2020 17:13

Tgt Ion:106 Resp: 3814

Ion Ratio Lower Upper

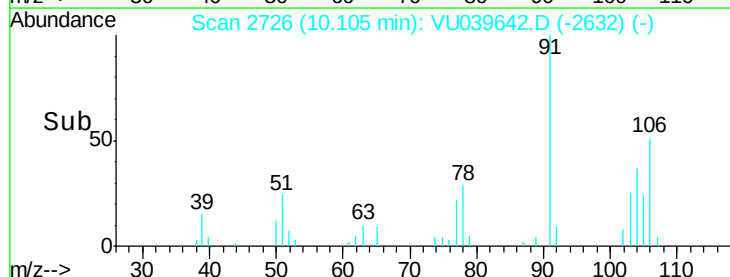
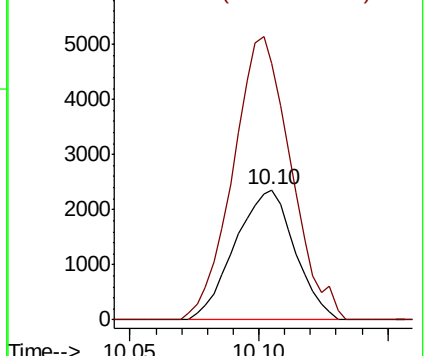
106 100

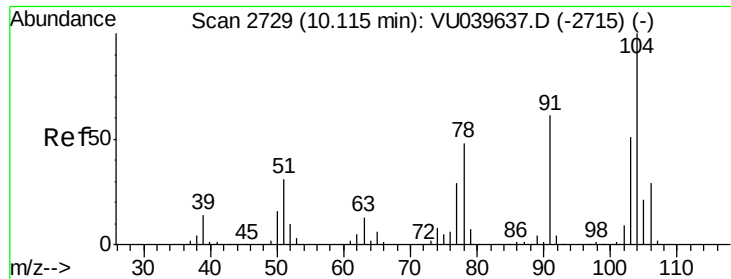
91 197.8 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

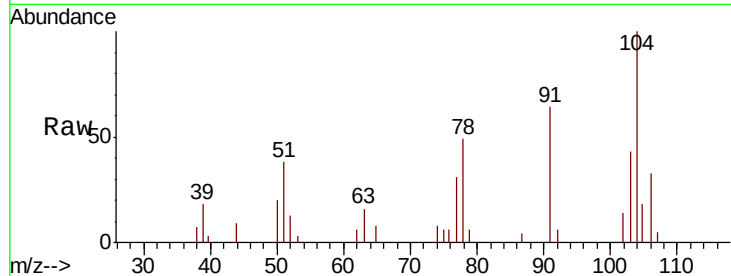




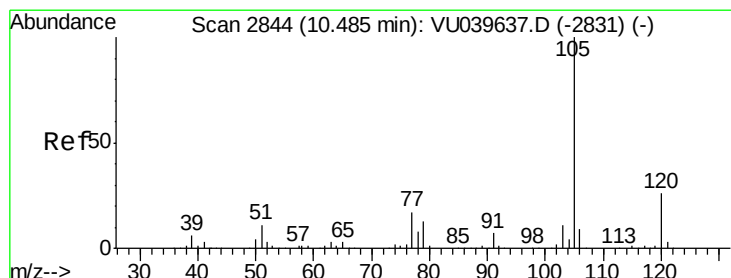
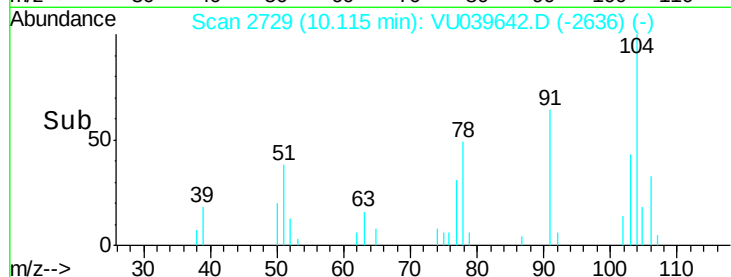
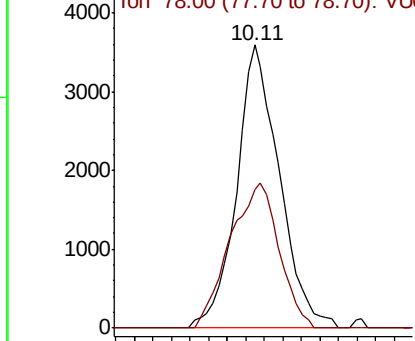
#55
Stvrene
Concen: 1.552 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:104 Resp: 5747
Ion Ratio Lower Upper
104 100
78 49.2 34.3 63.7

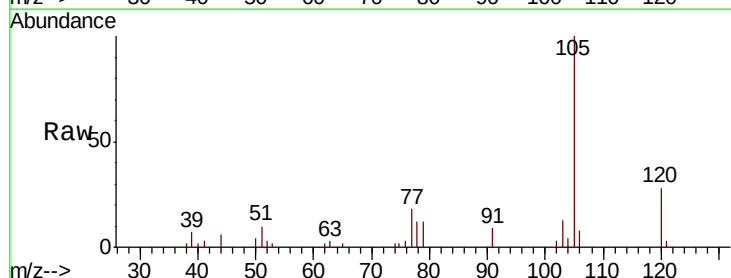


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0

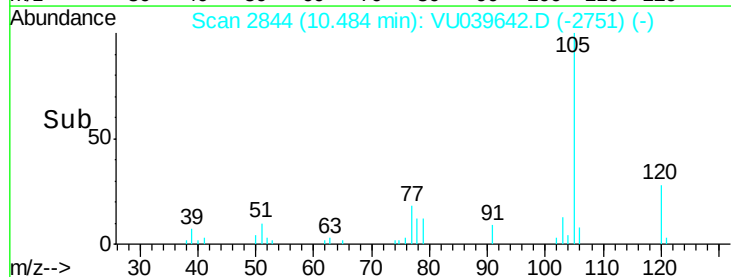
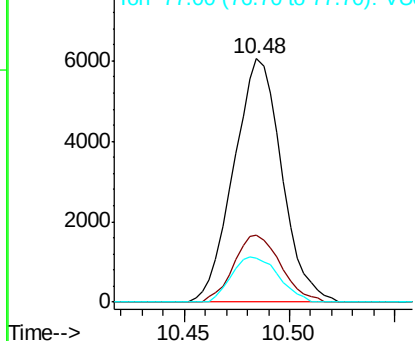


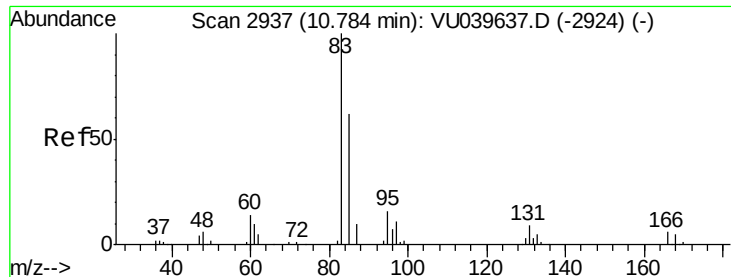
#56
Isopropylbenzene
Concen: 1.648 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU039642.D
Acq: 23 Jul 2020 17:13

Tgt Ion:105 Resp: 9574
Ion Ratio Lower Upper
105 100
120 26.8 20.6 31.0
77 18.1 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): VU0

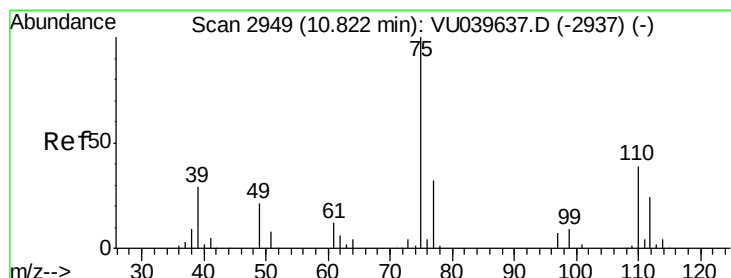
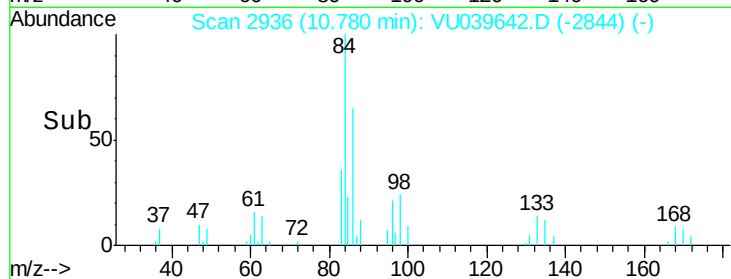
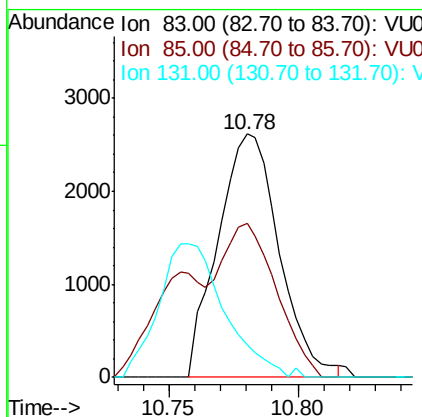
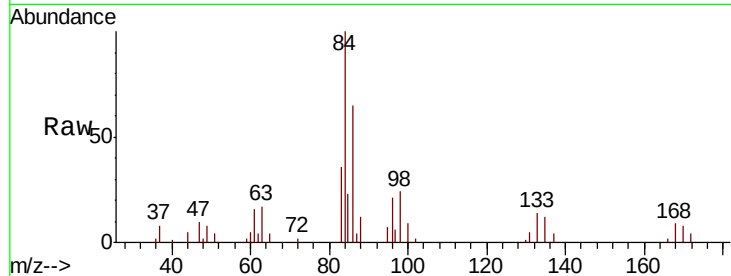




#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.887 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

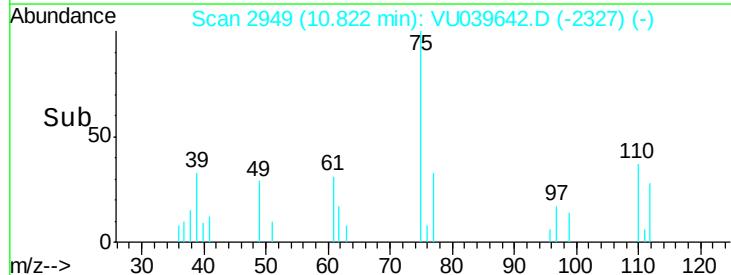
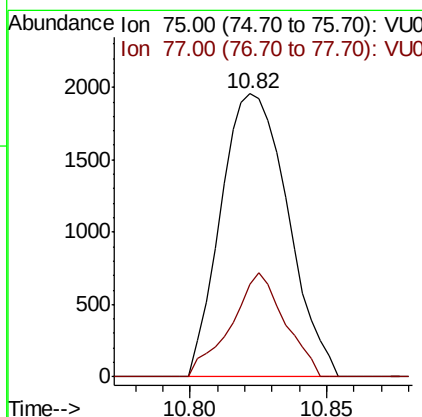
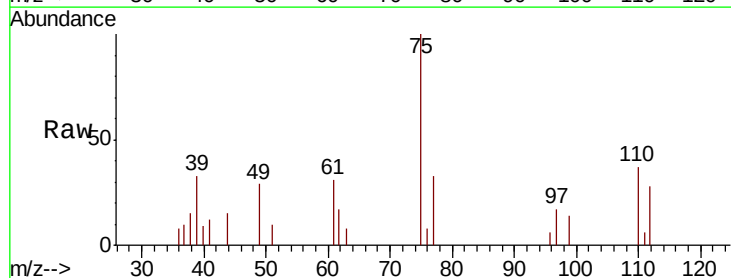
Instrument :
 MSVOA_U
 ClientSampleId :

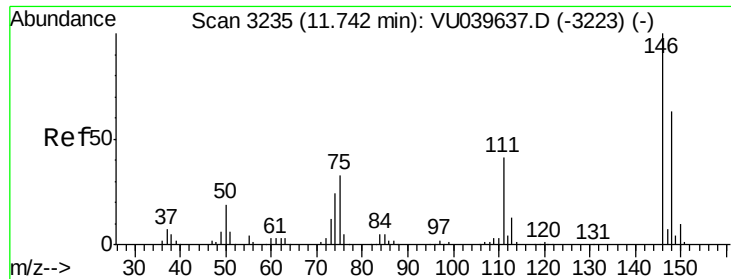
Tot Ion: 83 Resp: 4323
 Ion Ratio Lower Upper
 83 100
 85 63.4 46.4 86.2
 131 13.5 7.8 11.6#



#59
 1,2,3-Trichloropropane
 Concen: 1.744 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Tgt Ion: 75 Resp: 3335
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.4 38.2

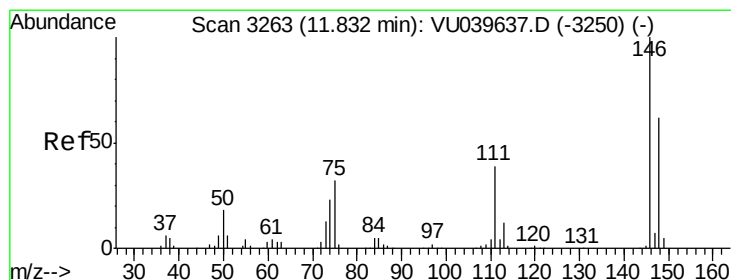
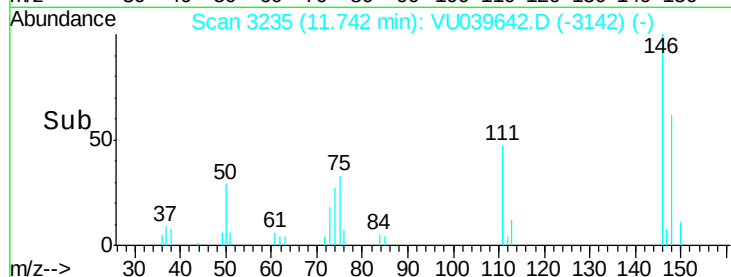
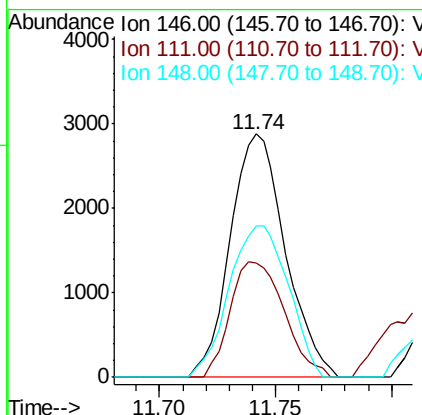
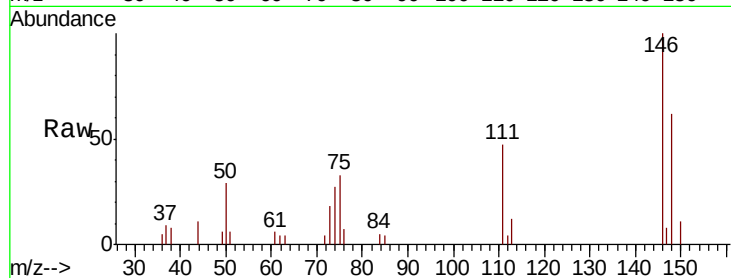




#62
 1,3-Dichlorobenzene
 Concen: 1.877 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

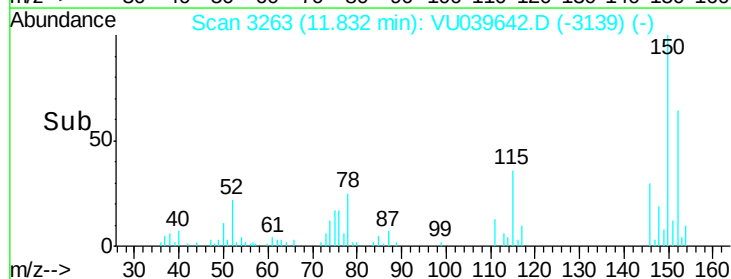
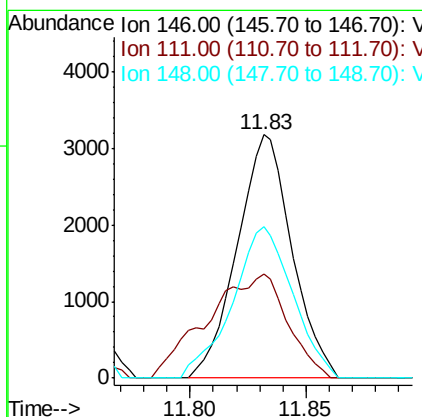
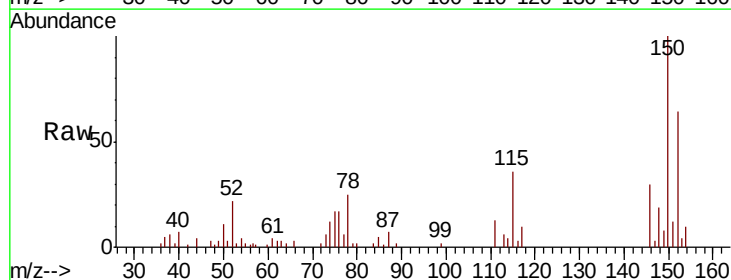
Instrument :
 MSVOA_U
 ClientSampleId :

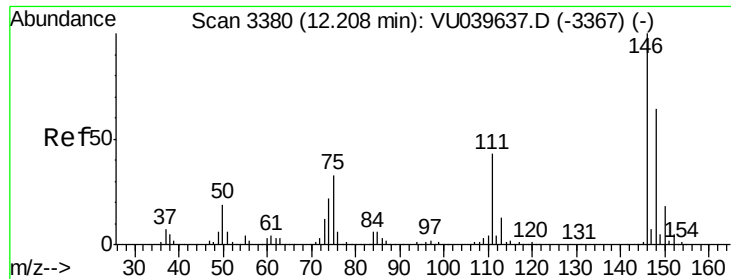
Tot Ion:146 Resp: 4752
 Ion Ratio Lower Upper
 146 100
 111 46.8 29.3 54.3
 148 62.1 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 2.051 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Tgt Ion:146 Resp: 5201
 Ion Ratio Lower Upper
 146 100
 111 43.0 27.8 51.6
 148 62.3 44.7 83.1

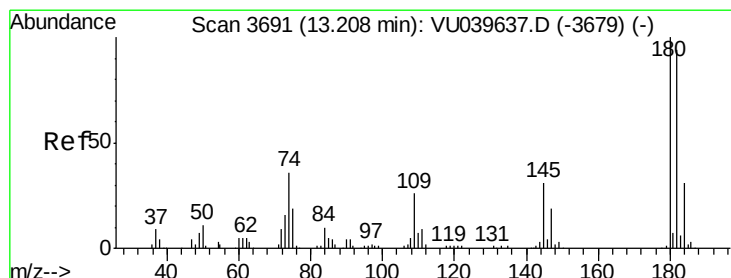
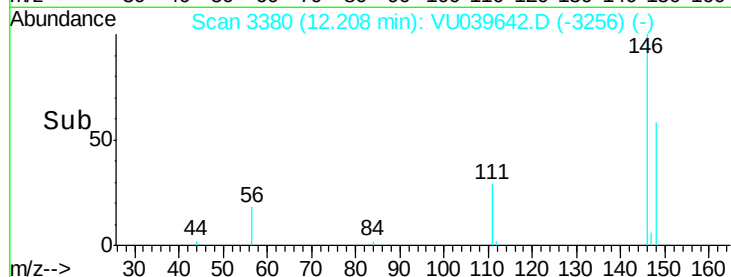
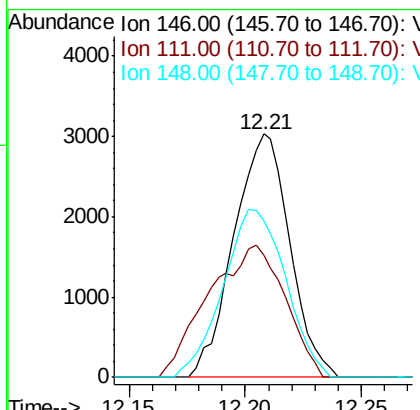
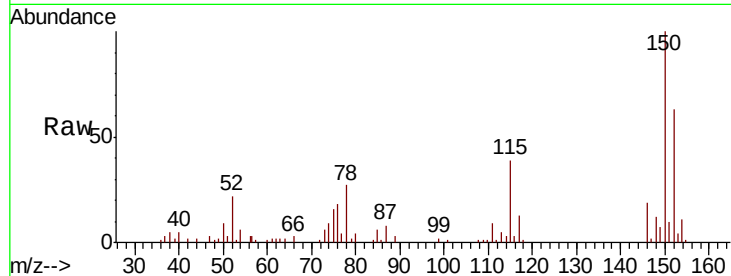




#65
 1,2-Dichlorobenzene
 Concen: 1.987 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

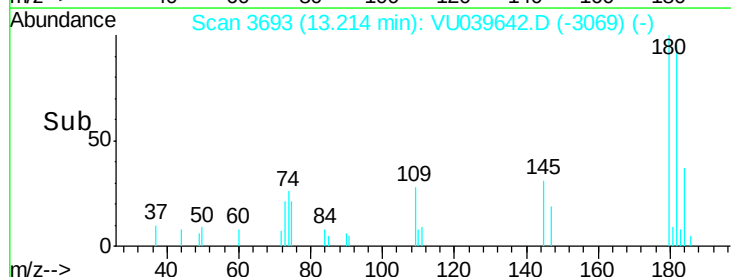
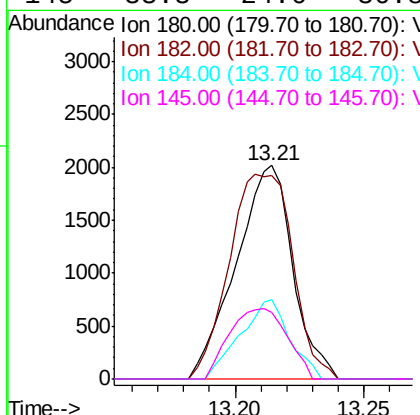
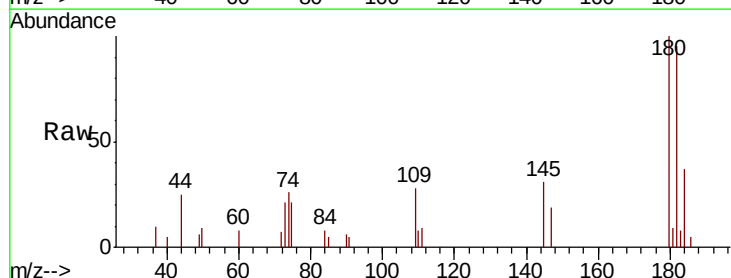
Instrument :
 MSVOA_U
 ClientSampled :

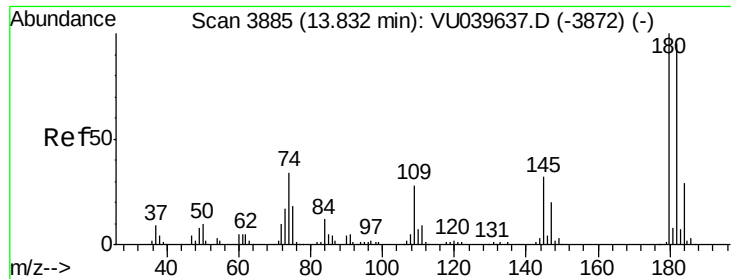
Tot Ion:146 Resp: 5083
 Ion Ratio Lower Upper
 146 100
 111 49.9 34.8 52.2
 148 64.1 52.5 78.7



#67
 1,3,5-Trichlorobenzene
 Concen: 1.696 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.01 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Tgt Ion:180 Resp: 3095
 Ion Ratio Lower Upper
 180 100
 182 107.0 75.7 113.5
 184 32.3 24.2 36.2
 145 33.3 24.6 36.8





#68

1,2,4-trichlorobenzene

Concen: 1.831 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

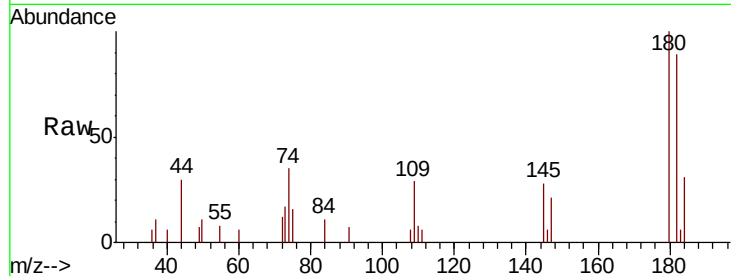
Tot Ion:180 Resp: 2836

Ion Ratio Lower Upper

180 100

182 88.2 74.4 111.6

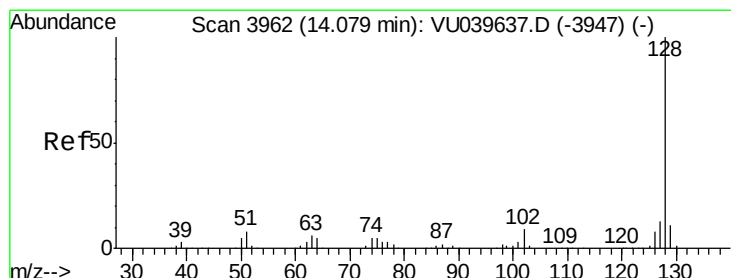
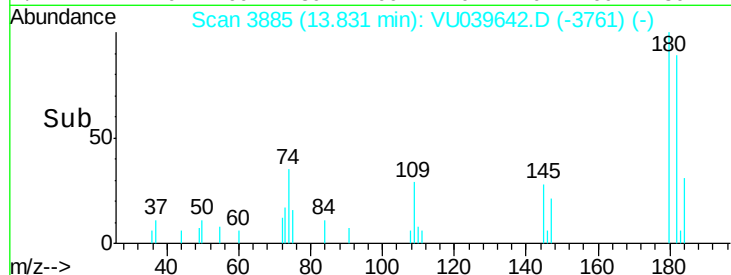
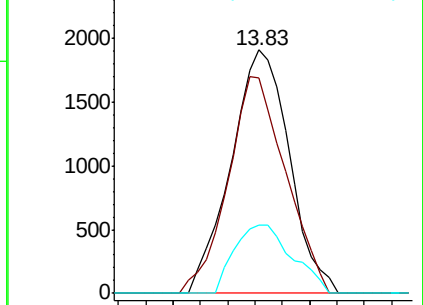
145 27.9 24.8 37.2



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: 1.488 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.00 min

Lab File: VU039642.D

Acq: 23 Jul 2020 17:13

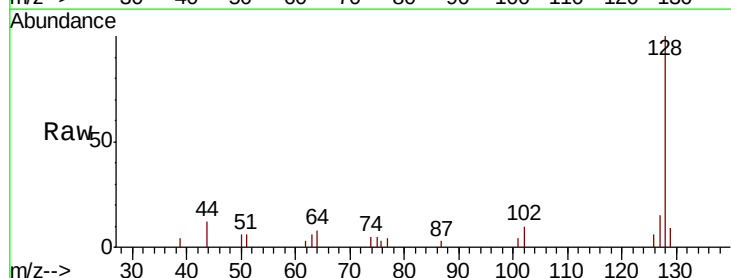
Tgt Ion:128 Resp: 6915

Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

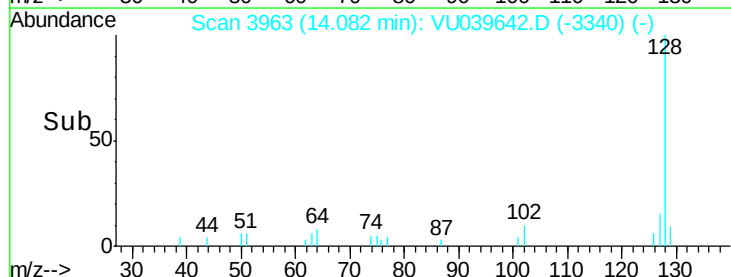
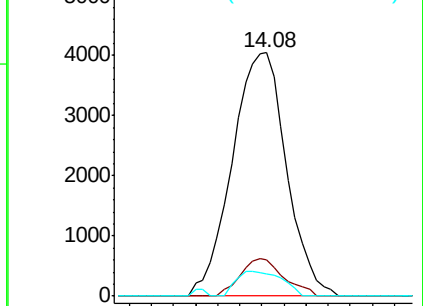
129 8.6 8.8 13.2#

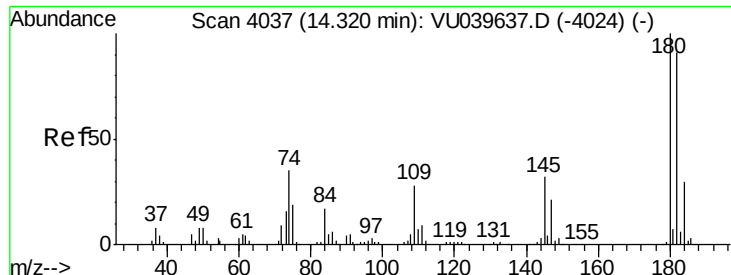


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

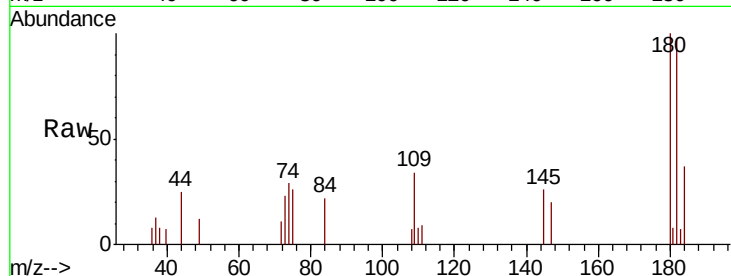




#70
 1,2,3-Trichlorobenzene
 Concen: 1.562 ug/L
 RT: 14.32 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: VU039642.D
 Acq: 23 Jul 2020 17:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2444
 Ion Ratio Lower Upper
 180 100
 182 100.2 76.6 114.8
 145 28.3 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

