

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039647.D
 Acq On : 23 Jul 2020 19:25
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:06:21 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	181092	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	176777	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	81098	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54591	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.60%
7) Chloroethane-d5	1.92	69	62053	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.84%
11) 1,1-Dichloroethene-d2	2.58	63	88239	35.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.72%
21) 2-Butanone-d5	4.65	46	131543	96.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.65%
24) Chloroform-d	5.08	84	123857	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
26) 1,2-Dichloroethane-d4	5.72	65	89665	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
32) Benzene-d6	5.74	84	239479	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
36) 1,2-Dichloropropane-d6	6.71	67	78485	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.52%
41) Toluene-d8	7.91	98	219411	47.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.19	79	35320	43.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.94%
47) 2-Hexanone-d5	8.64	63	83709	95.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.33%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117461	46.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.16%
64) 1,2-Dichlorobenzene-d4	12.19	152	87555	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.39	85	2730	2.213 ug/L 89
3) Chloromethane	1.53	50	3149	2.457 ug/L 97
5) Vinyl chloride	1.61	62	3349	2.572 ug/L # 51
6) Bromomethane	1.87	94	3064	3.131 ug/L 96
8) Chloroethane	1.94	64	3402	2.937 ug/L 95
9) Trichlorofluoromethane	2.15	101	5853	2.543 ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1708	1.542 ug/L # 75
12) 1,1-Dichloroethene	2.59	96	2941	2.847 ug/L # 1
13) Acetone	2.65	43	4504	4.973 ug/L 83
14) Carbon disulfide	2.81	76	7912	2.394 ug/L 100
15) Methyl Acetate	2.97	43	3978	2.452 ug/L # 79
16) Methylene chloride	3.06	84	3488	2.819 ug/L # 79
17) trans-1,2-Dichloroethene	3.38	96	2982	2.594 ug/L 96
18) Methyl tert-butyl Ether	3.38	73	8858	2.385 ug/L # 86
19) 1,1-Dichloroethane	3.89	63	5771	2.573 ug/L 92
20) cis-1,2-Dichloroethene	4.69	96	3103	2.362 ug/L 85
22) 2-Butanone	4.73	43	5452	4.271 ug/L 94

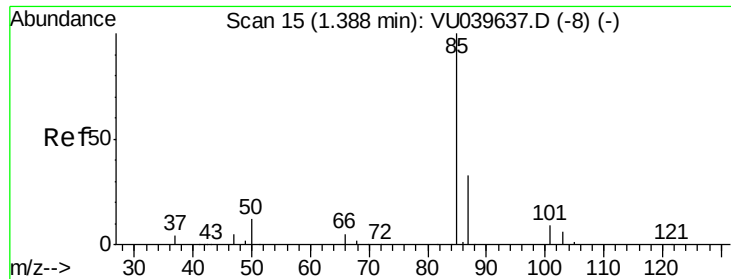
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	1644	2.490	ug/L	86
25) Chloroform	5.11	83	10797	4.339	ug/L	89
27) 1,2-Dichloroethane	5.81	62	5508	2.670	ug/L	98
29) Cyclohexane	5.41	56	4748	2.472	ug/L	97
30) 1,1,1-Trichloroethane	5.34	97	4584	2.166	ug/L #	81
31) Carbon tetrachloride	5.55	117	4381	2.496	ug/L	91
33) Benzene	5.79	78	12667	2.600	ug/L	100
34) Trichloroethene	6.56	95	3320	2.576	ug/L	90
35) Methylcyclohexane	6.78	83	4337	2.177	ug/L	97
37) 1,2-Dichloropropane	6.81	63	3348	2.538	ug/L #	89
38) Bromodichloromethane	7.12	83	4138	2.362	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	4596	2.331	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	10856	4.724	ug/L #	95
42) Toluene	7.98	91	12891	2.406	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	5098	2.641	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	3211	2.553	ug/L	95
46) Tetrachloroethene	8.56	164	2430	2.493	ug/L	84
48) 2-Hexanone	8.69	43	12766	6.818	ug/L	97
49) Dibromochloromethane	8.82	129	3242	2.283	ug/L	99
50) 1,2-Dibromoethane	8.93	107	3181	2.273	ug/L #	88
51) Chlorobenzene	9.45	112	7773	2.274	ug/L	97
52) Ethylbenzene	9.57	91	12610	2.130	ug/L	87
53) m,p-Xylene	9.69	106	4823	2.161	ug/L	94
54) o-xylene	10.10	106	4880	2.278	ug/L	94
55) Styrene	10.11	104	8005	2.160	ug/L	92
56) Isopropylbenzene	10.48	105	11974	2.059	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	6037	2.633	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	4391	2.294	ug/L	97
61) Bromoform	10.29	173	1997	2.082	ug/L #	76
62) 1,3-Dichlorobenzene	11.74	146	5976	2.406	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	6099	2.451	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	6322	2.518	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.99	75	1023	2.037	ug/L	84
67) 1,3,5-Trichlorobenzene	13.21	180	3763	2.100	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	3201	2.105	ug/L	98
69) Naphthalene	14.08	128	8706	1.909	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	3293	2.144	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 2.213 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

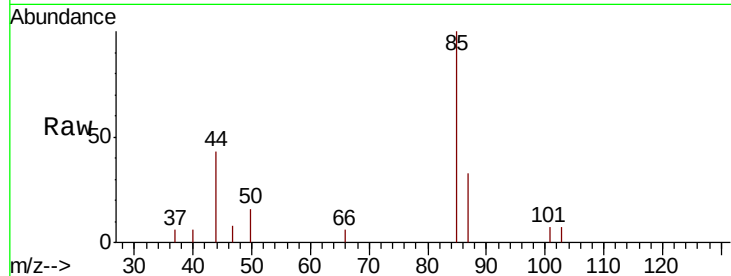
ClientSampleId :

Tot Ion: 85 Resp: 2730

Ion Ratio Lower Upper

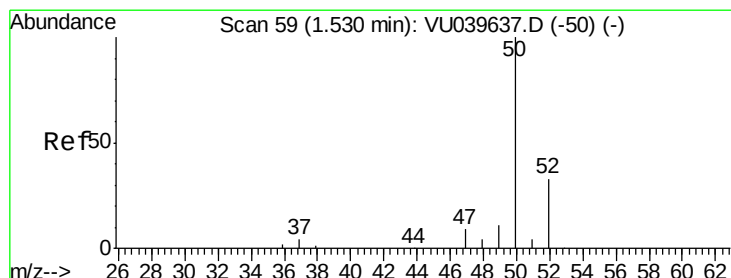
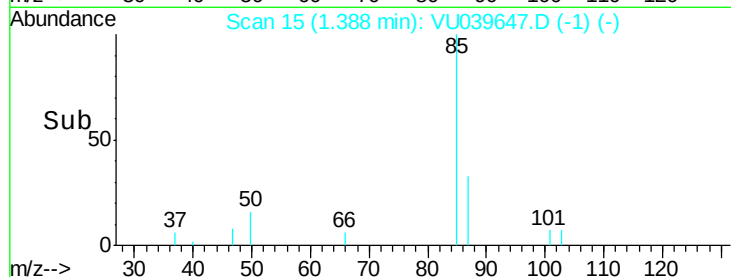
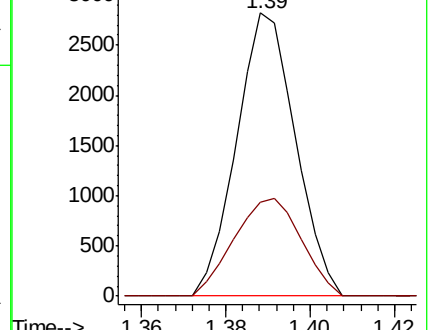
85 100

87 39.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039647.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039647.D (-1) (-)



#3

Chloromethane

Concen: 2.457 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039647.D

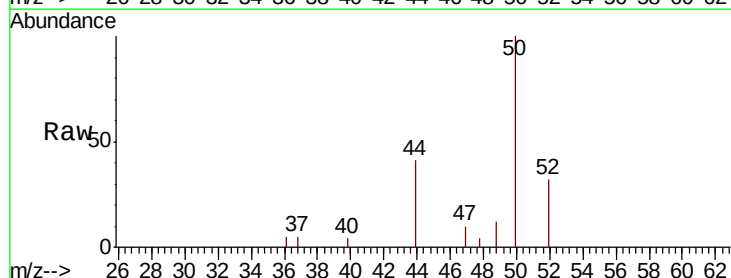
Acq: 23 Jul 2020 19:25

Tgt Ion: 50 Resp: 3149

Ion Ratio Lower Upper

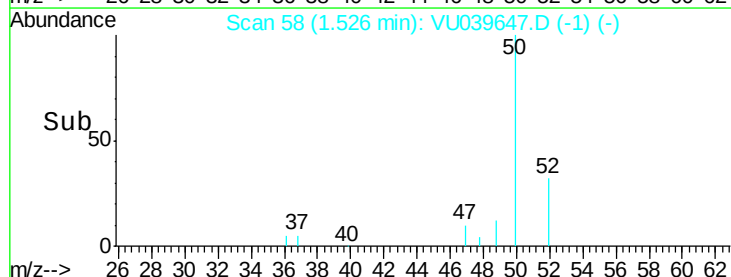
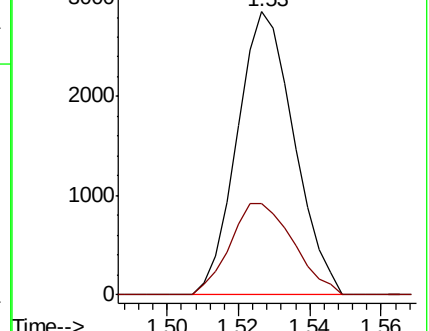
50 100

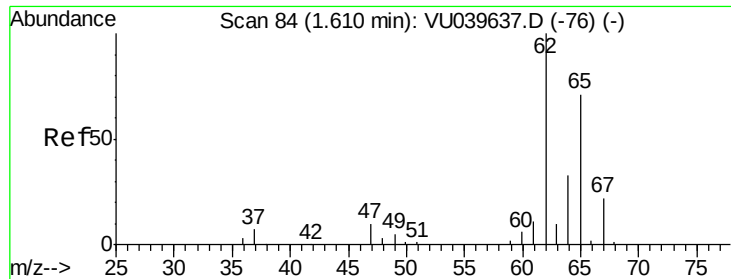
52 32.4 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039647.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU039647.D (-1) (-)





#5

Vinyl chloride

Concen: 2.572 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

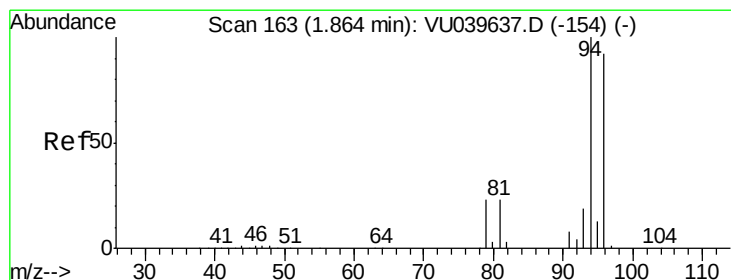
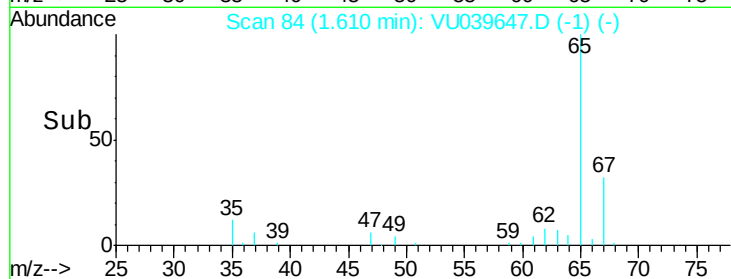
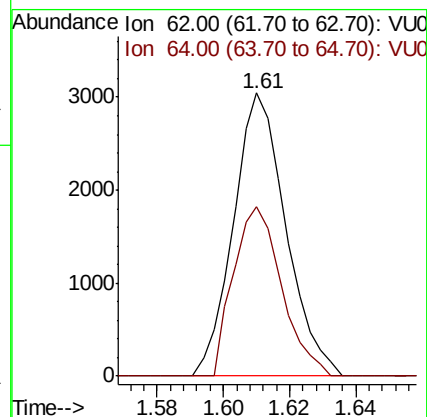
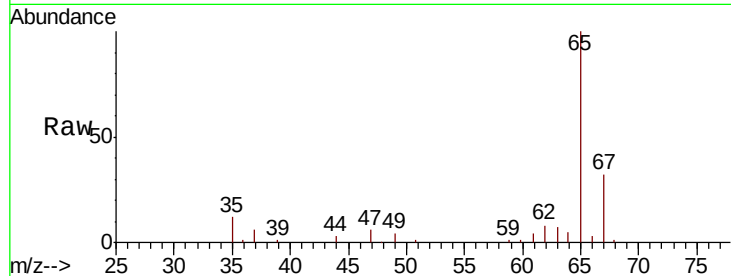
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 3349

Ion Ratio Lower Upper

62 100

64 59.9 22.8 42.4#



#6

Bromomethane

Concen: 3.131 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039647.D

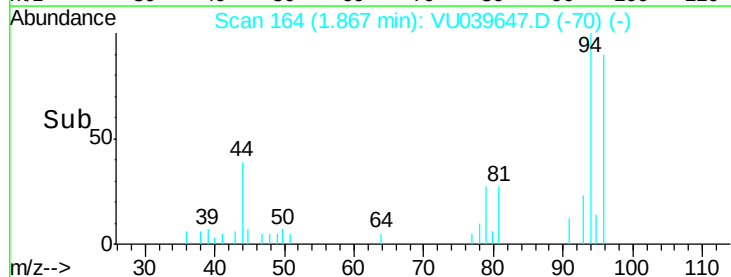
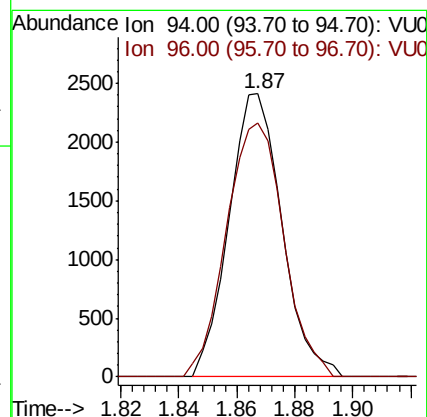
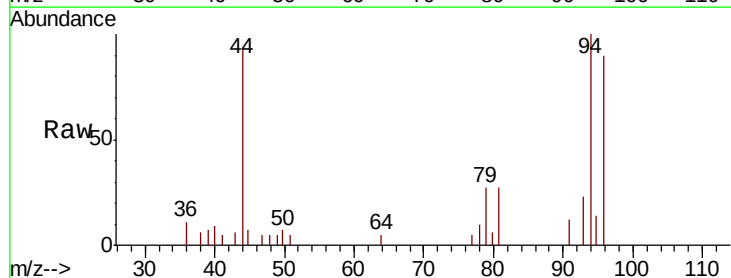
Acq: 23 Jul 2020 19:25

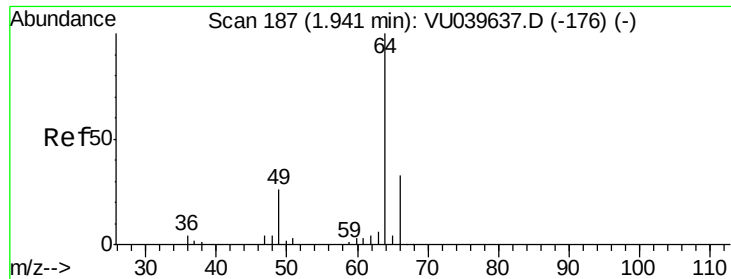
Tgt Ion: 94 Resp: 3064

Ion Ratio Lower Upper

94 100

96 89.9 65.7 122.1

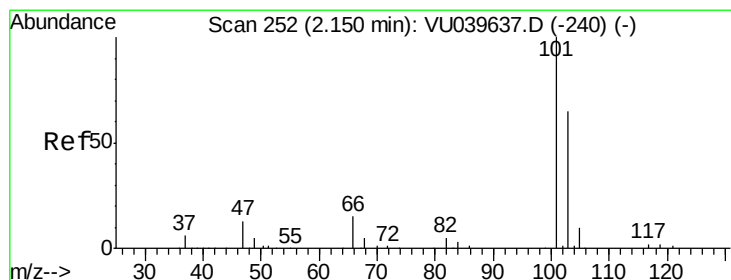
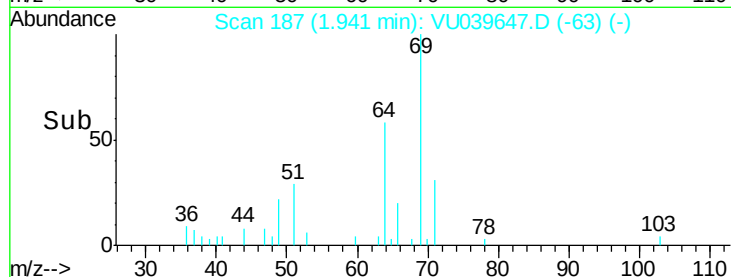
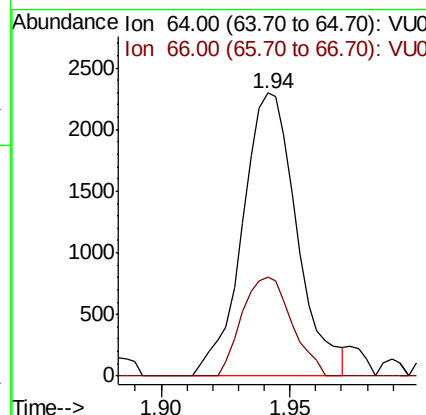
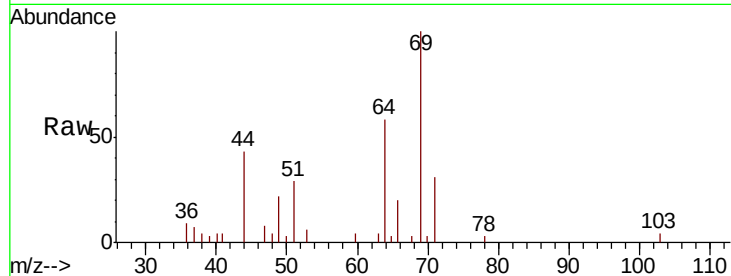




#8
Chloroethane
Concen: 2.937 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

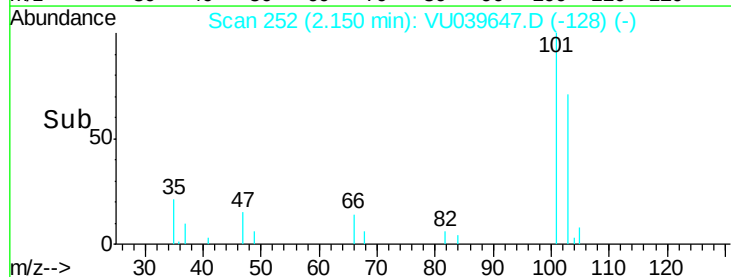
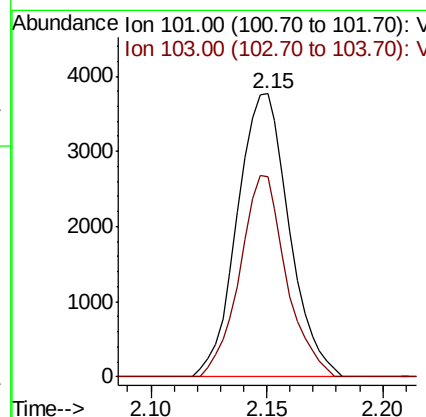
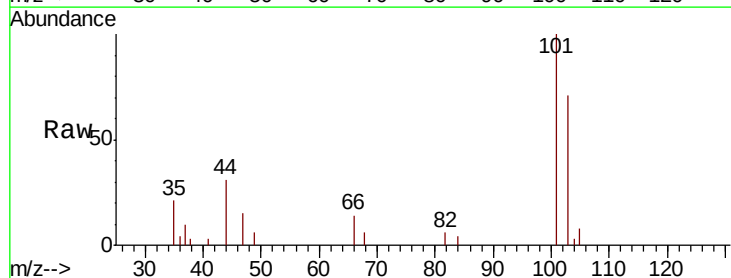
Instrument :
MSVOA_U
ClientSampleId :

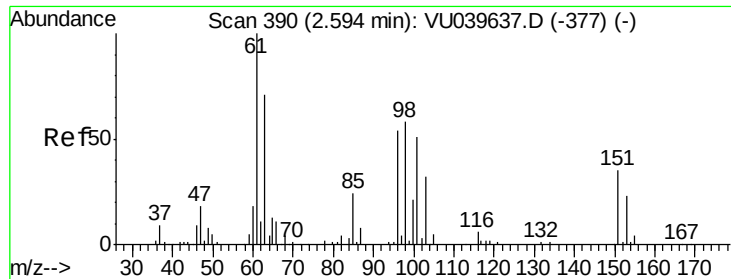
Tot Ion: 64 Resp: 3402
Ion Ratio Lower Upper
64 100
66 35.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 2.543 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

Tgt Ion:101 Resp: 5853
Ion Ratio Lower Upper
101 100
103 63.6 52.8 79.2





#10

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

Concen: 1.542 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

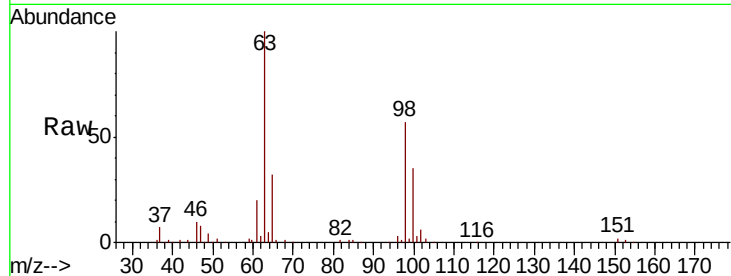
Tot Ion:101 Resp: 1708

Ion Ratio Lower Upper

101 100

85 72.2 39.7 59.5#

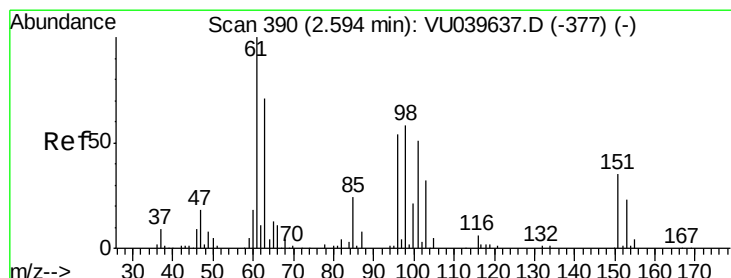
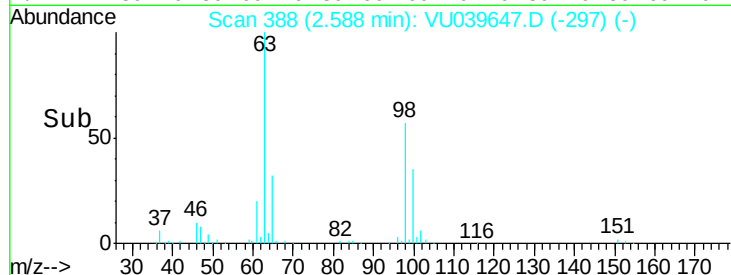
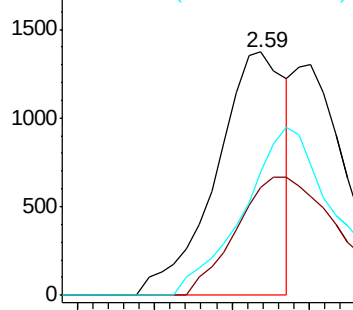
151 88.5 57.4 86.2#



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: 2.847 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

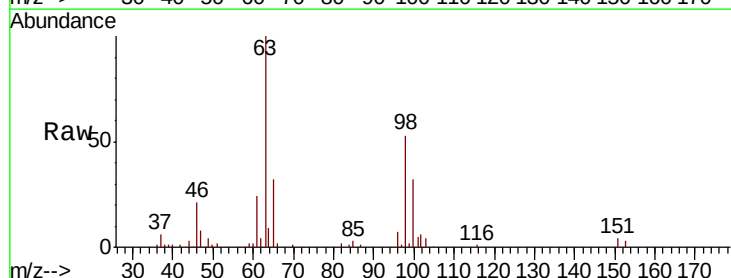
Tgt Ion: 96 Resp: 2941

Ion Ratio Lower Upper

96 100

61 366.3 136.6 253.6#

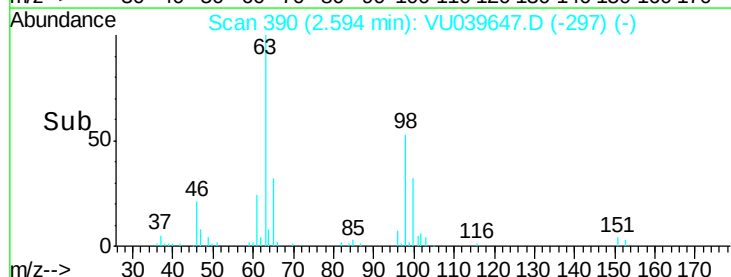
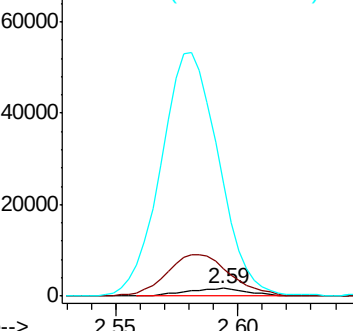
63 1497.9 97.2 180.6#

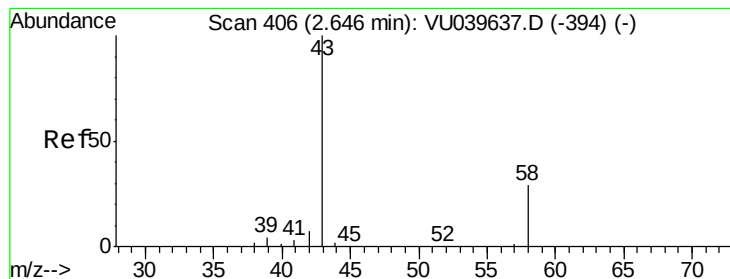


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.973 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

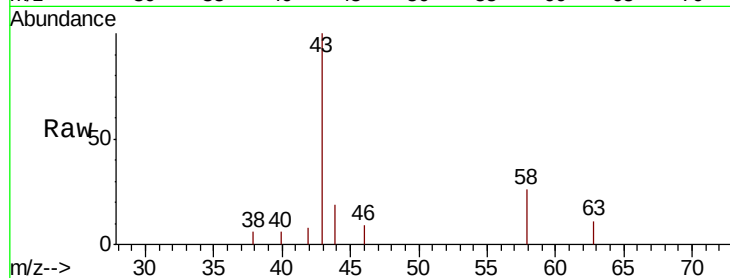
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 4504

Ion Ratio Lower Upper

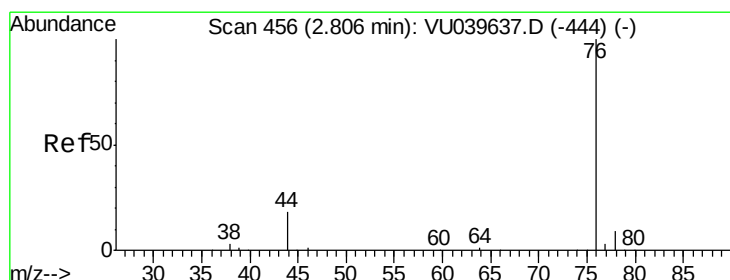
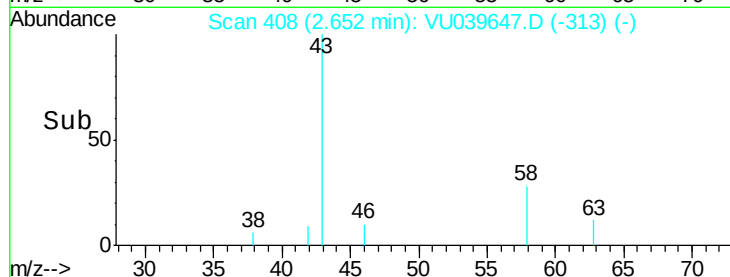
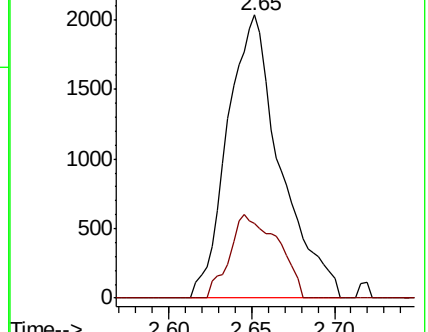
43 100

58 20.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039647.D (-313) (-)

Ion 58.00 (57.70 to 58.70): VU039647.D (-313) (-)



#14

Carbon disulfide

Concen: 2.394 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039647.D

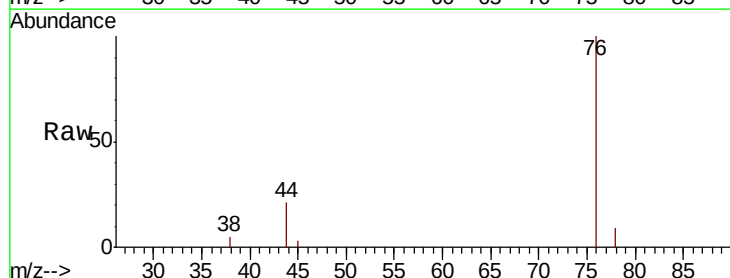
Acq: 23 Jul 2020 19:25

Tgt Ion: 76 Resp: 7912

Ion Ratio Lower Upper

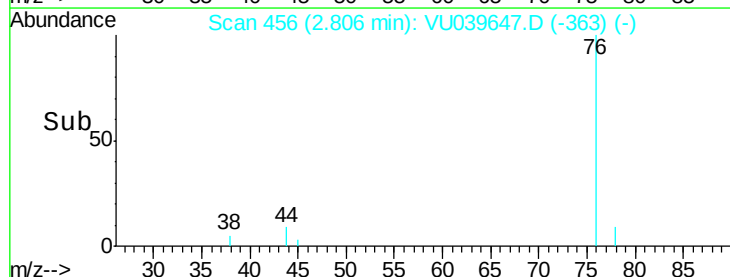
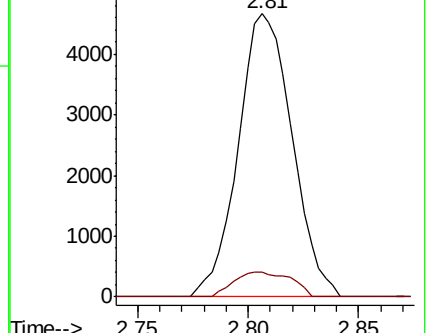
76 100

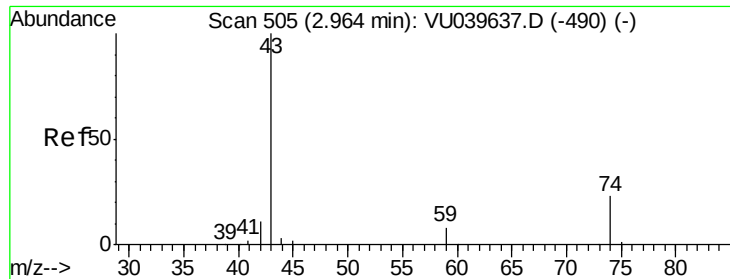
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039647.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039647.D (-363) (-)

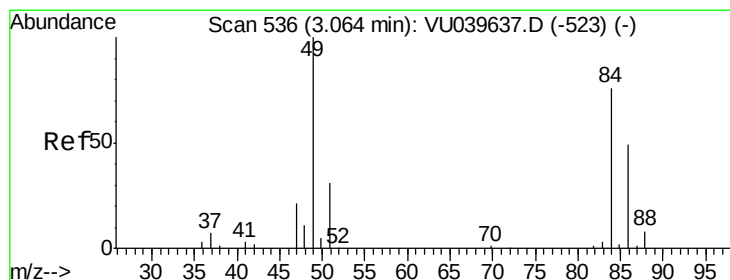
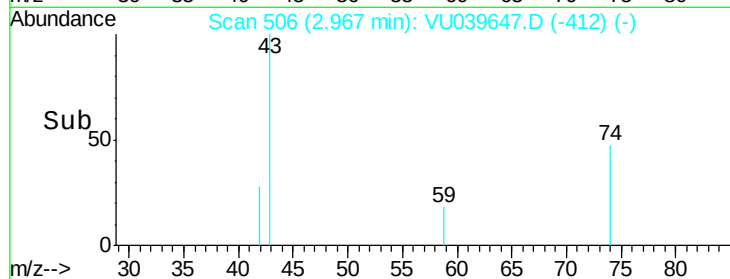
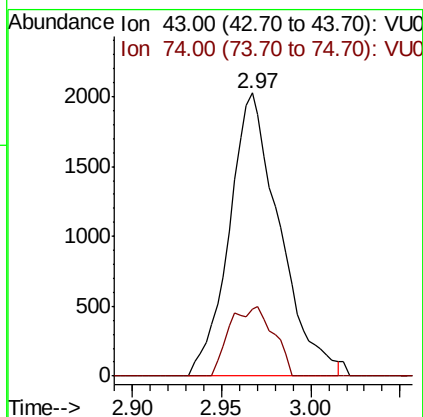
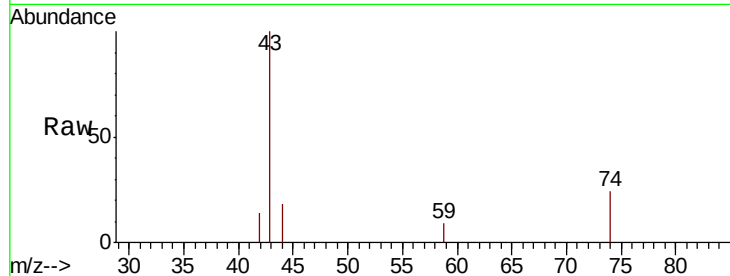




#15
Methyl Acetate
Concen: 2.452 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

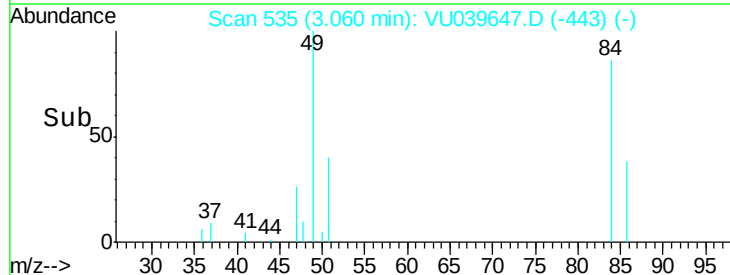
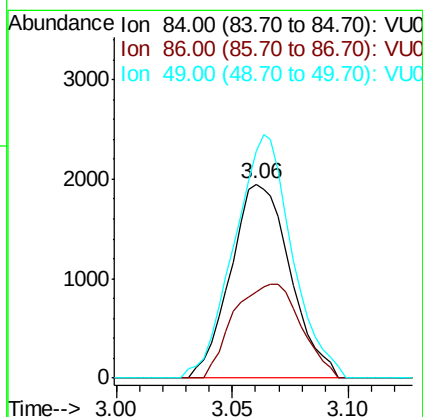
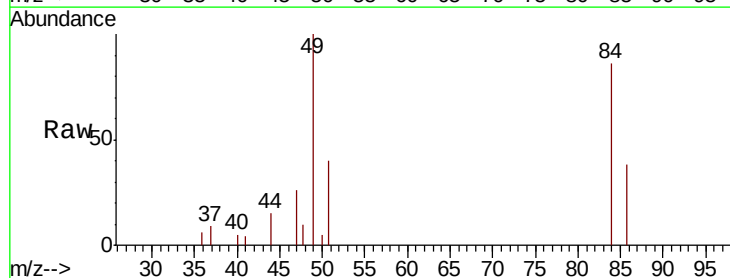
Instrument :
MSVOA_U
ClientSampled :

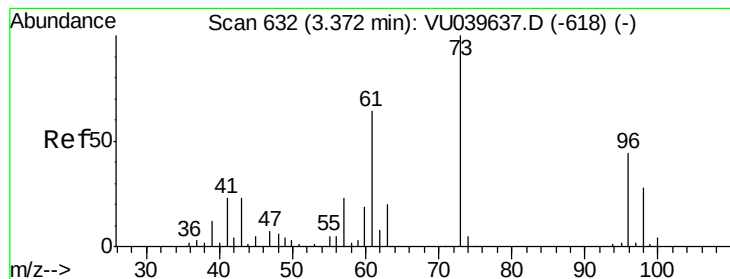
Tot Ion: 43 Resp: 3978
Ion Ratio Lower Upper
43 100
74 11.8 17.4 26.0#



#16
Methylene chloride
Concen: 2.819 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 84 Resp: 3488
Ion Ratio Lower Upper
84 100
86 44.6 46.2 85.8#
49 116.7 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 2.594 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :

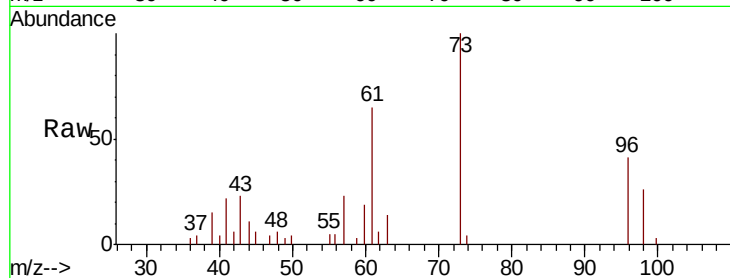
Tot Ion: 96 Resp: 2982

Ion Ratio Lower Upper

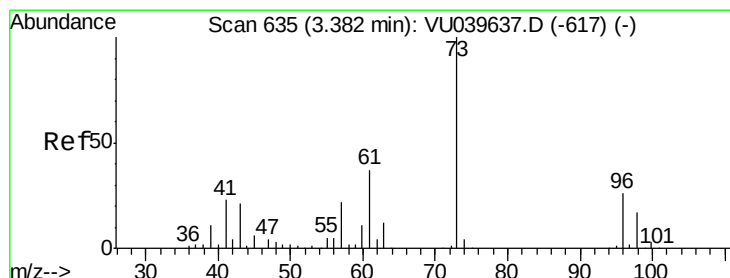
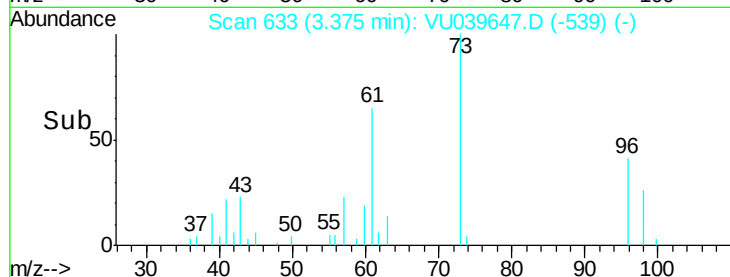
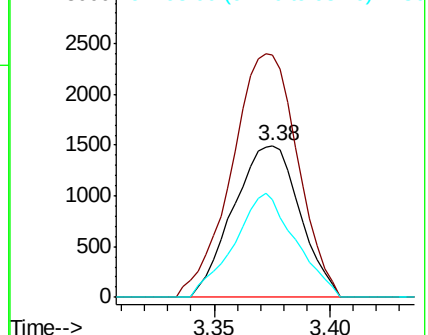
96 100

61 159.8 106.7 198.1

98 64.4 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: 2.385 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

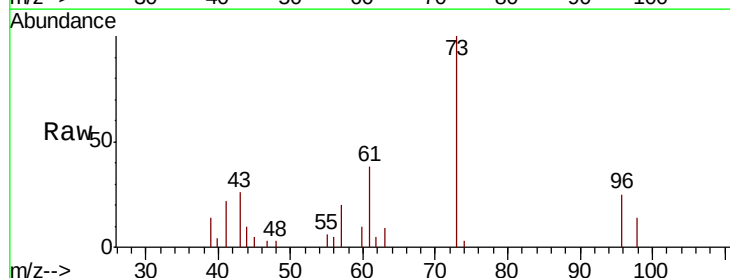
Tgt Ion: 73 Resp: 8858

Ion Ratio Lower Upper

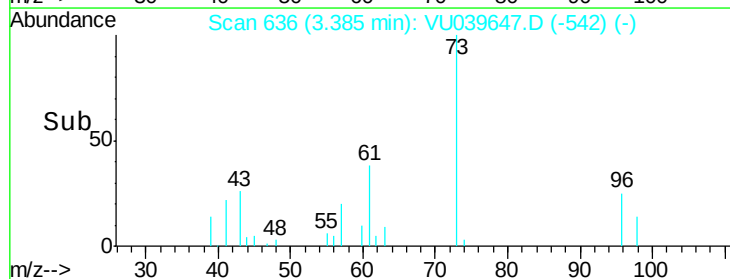
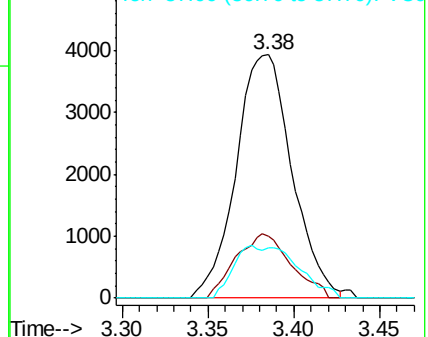
73 100

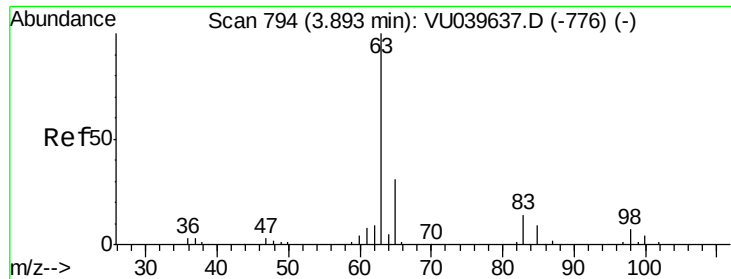
43 26.2 18.2 27.2

57 11.4 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

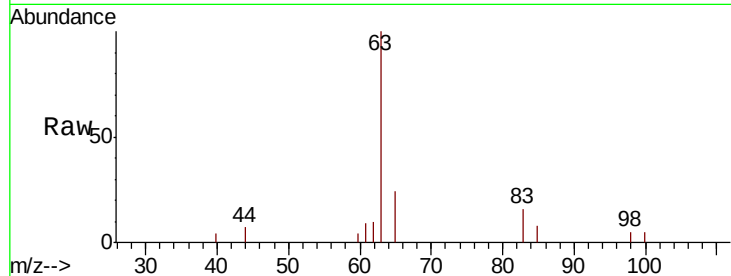




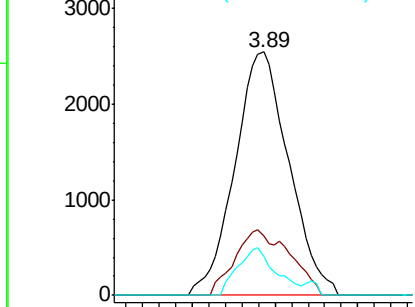
#19
 1,1-Dichloroethane
 Concen: 2.573 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampled :

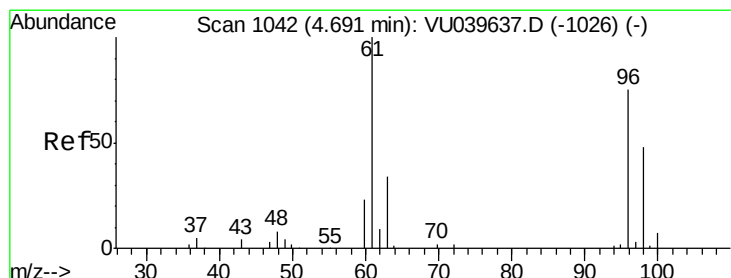
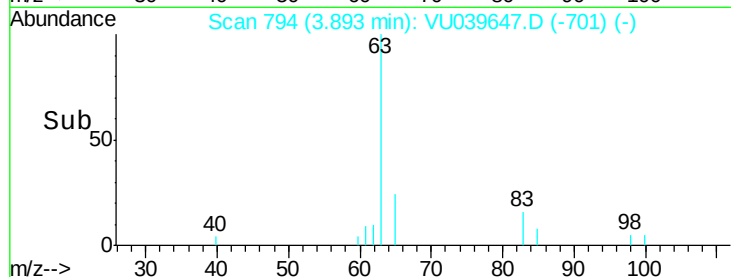
Tot Ion: 63 Resp: 5771
 Ion Ratio Lower Upper
 63 100
 65 24.4 20.4 38.0
 83 16.2 9.7 18.1



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

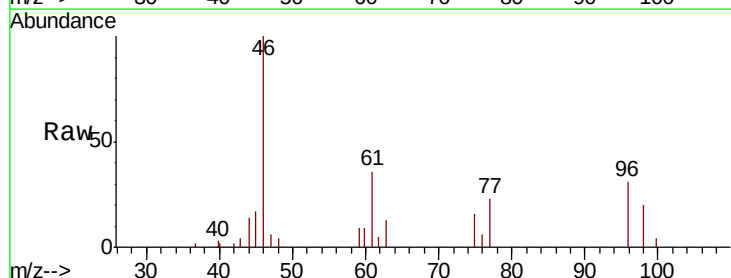


Time-->

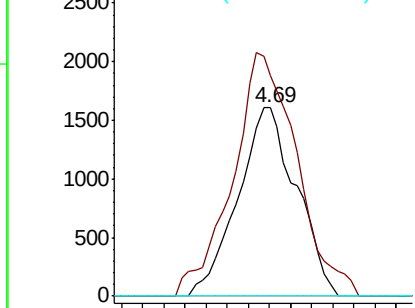


#20
 cis-1,2-Dichloroethene
 Concen: 2.362 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

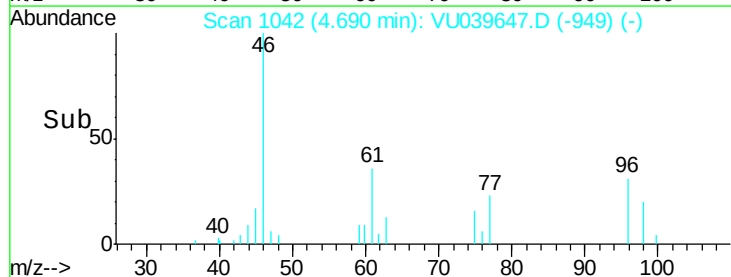
Tgt Ion: 96 Resp: 3103
 Ion Ratio Lower Upper
 96 100
 61 117.0 94.0 174.6
 68 0.0 0.0 0.0

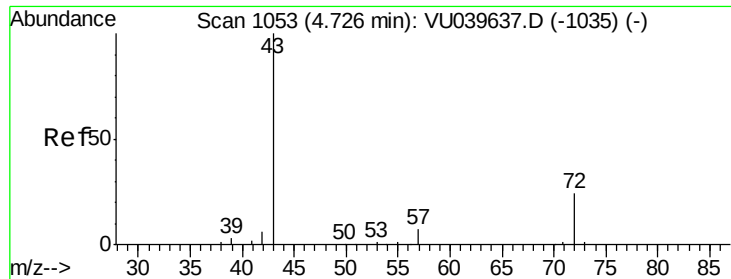


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



Time-->





#22

2-Butanone

Concen: 4.271 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

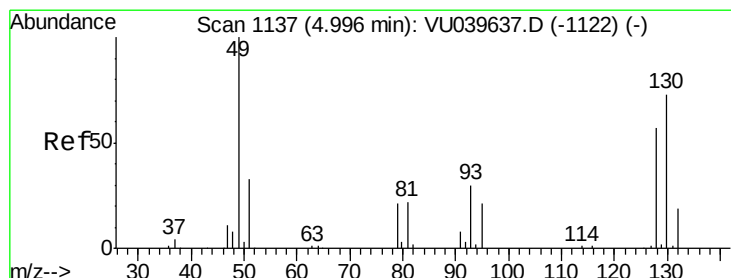
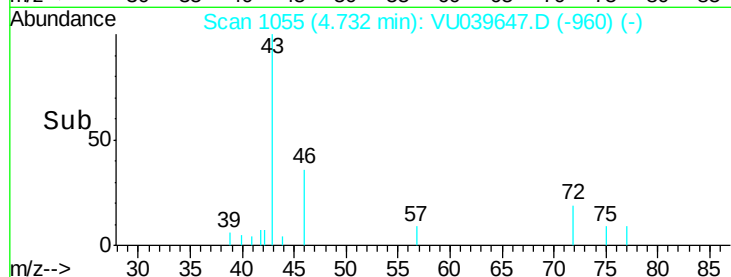
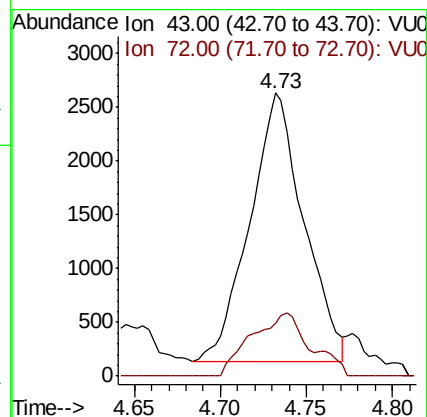
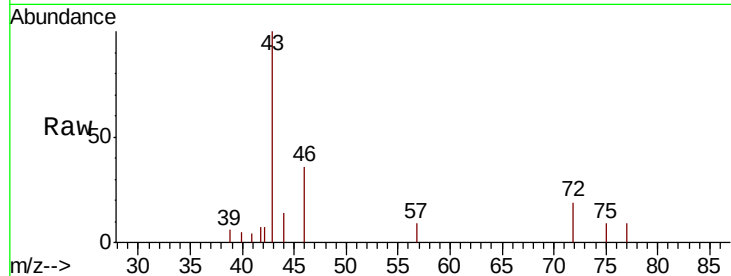
ClientSampled :

Tot Ion: 43 Resp: 5452

Ion Ratio Lower Upper

43 100

72 22.3 12.8 38.3



#23

Bromochloromethane

Concen: 2.490 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Tgt Ion: 128 Resp: 1644

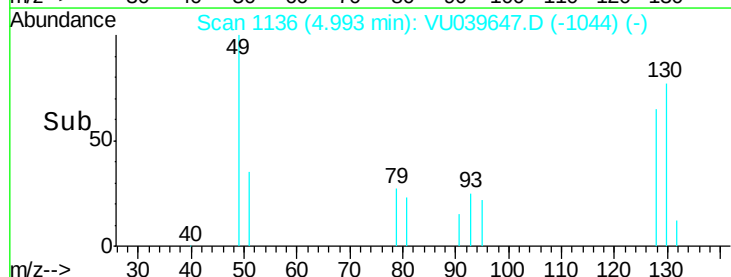
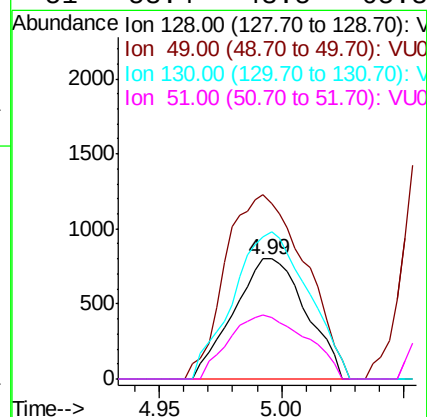
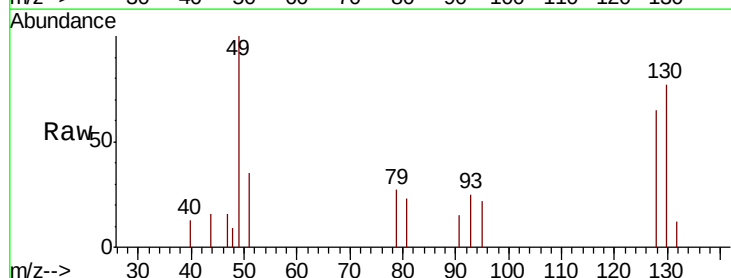
Ion Ratio Lower Upper

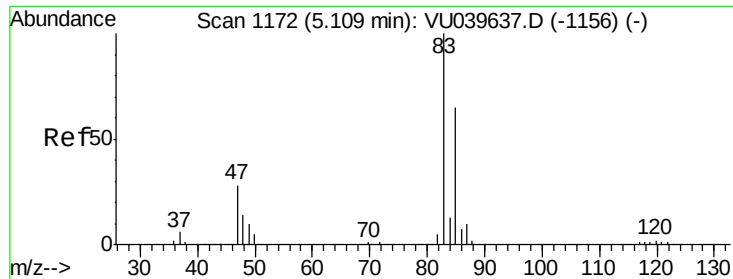
128 100

49 153.8 124.5 231.3

130 118.0 94.4 175.2

51 53.4 43.5 65.3

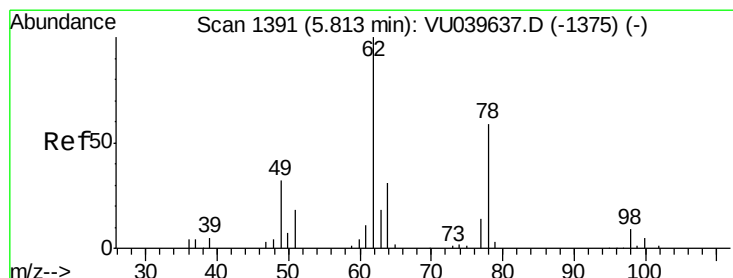
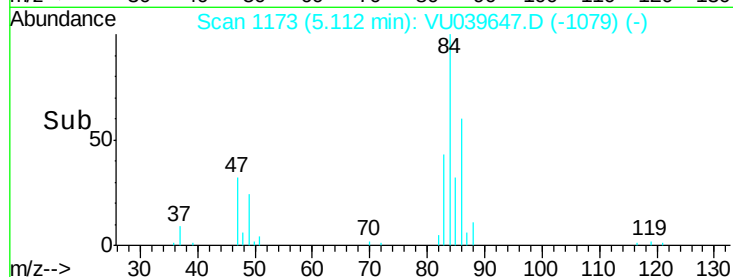
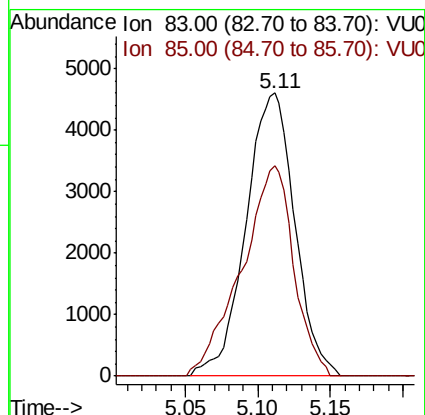
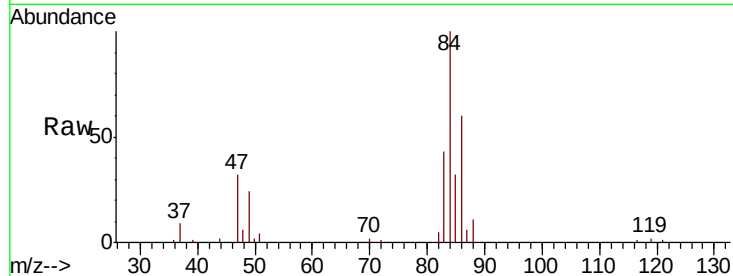




#25
Chloroform
Concen: 4.339 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

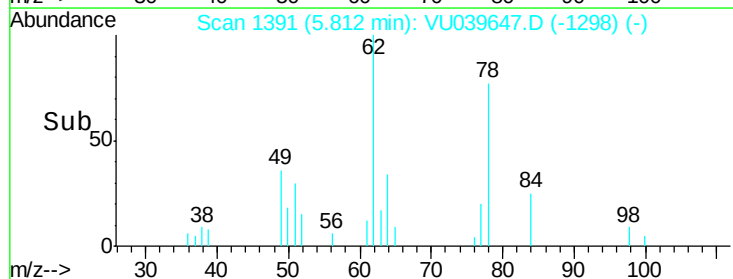
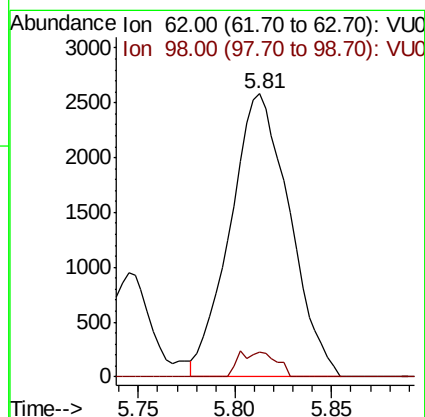
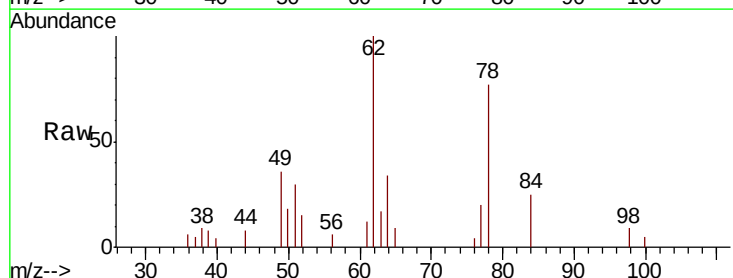
Instrument :
MSVOA_U
ClientSampled :

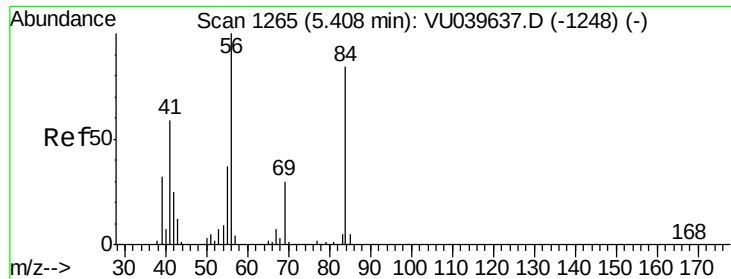
Tot Ion: 83 Resp: 10797
Ion Ratio Lower Upper
83 100
85 74.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 2.670 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 62 Resp: 5508
Ion Ratio Lower Upper
62 100
98 8.7 6.4 9.6

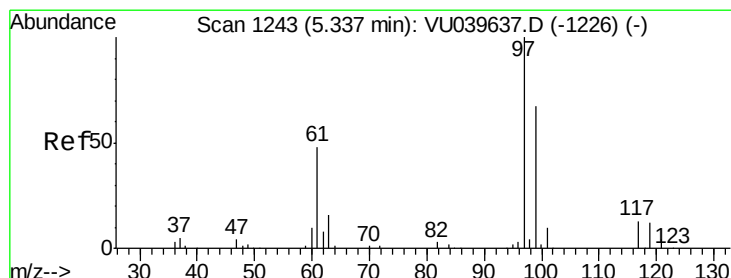
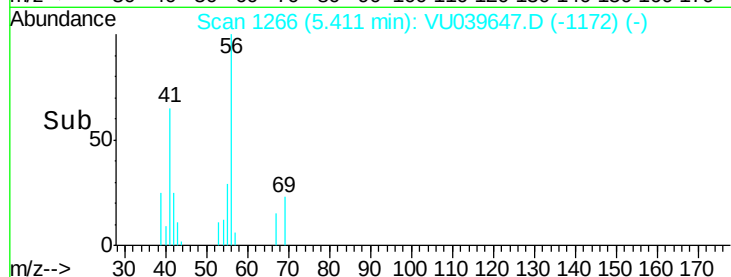
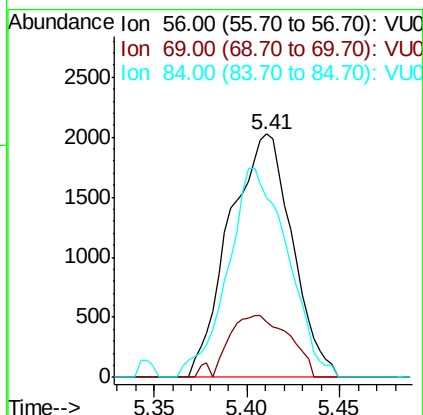
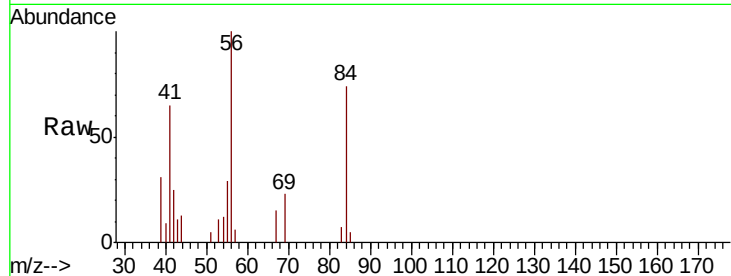




#29
Cyclohexane
Concen: 2.472 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

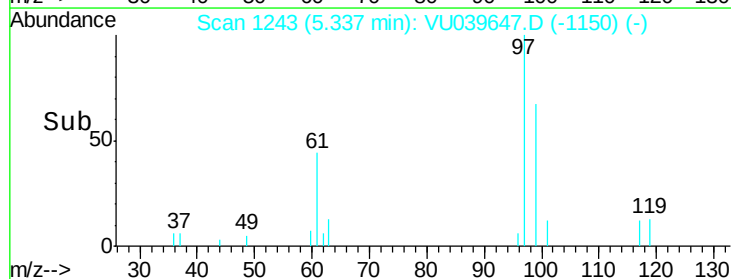
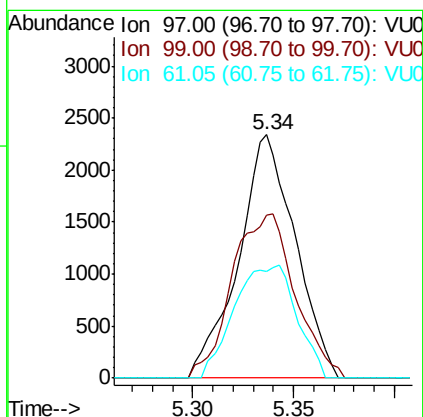
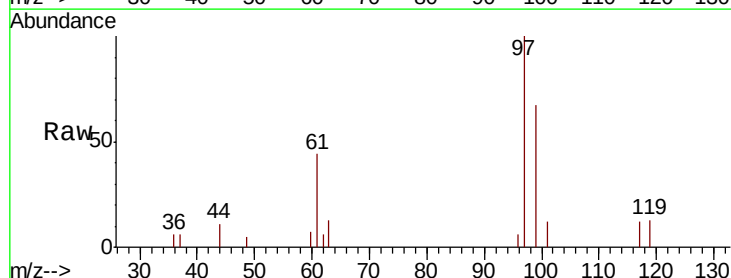
Instrument :
MSVOA_U
ClientSampled :

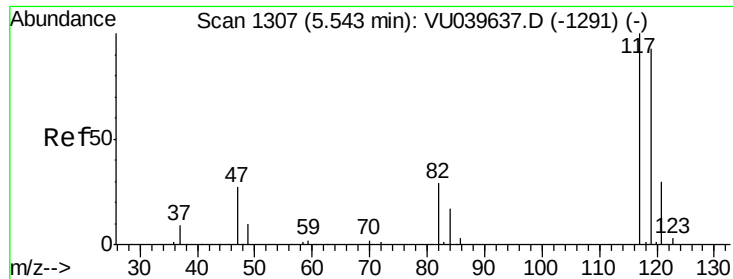
Tot Ion: 56 Resp: 4748
Ion Ratio Lower Upper
56 100
69 23.9 23.9 35.9
84 82.2 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 2.166 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 97 Resp: 4584
Ion Ratio Lower Upper
97 100
99 75.0 50.3 75.5
61 28.7 36.0 54.0#

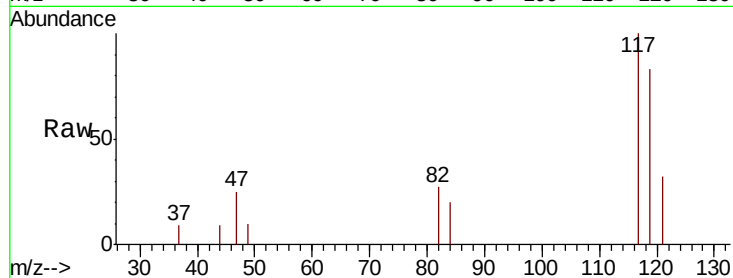




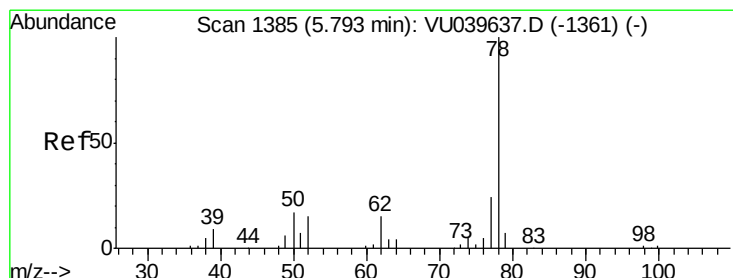
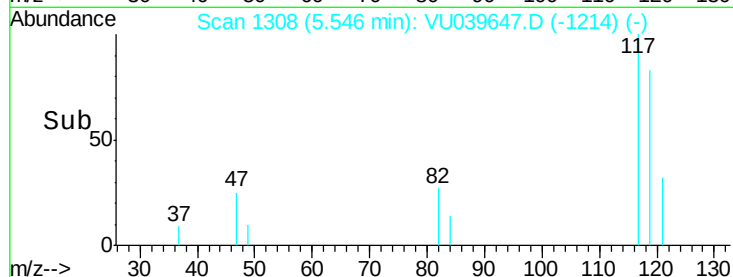
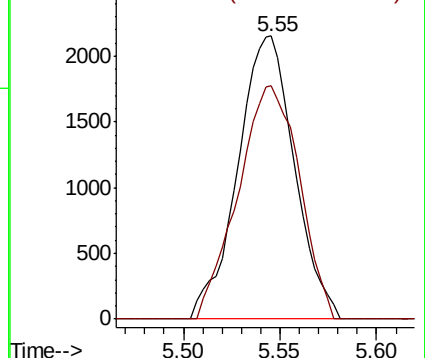
#31
Carbon tetrachloride
Concen: 2.496 ug/L
RT: 5.55 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 4381
Ion Ratio Lower Upper
117 100
119 89.3 78.2 117.4

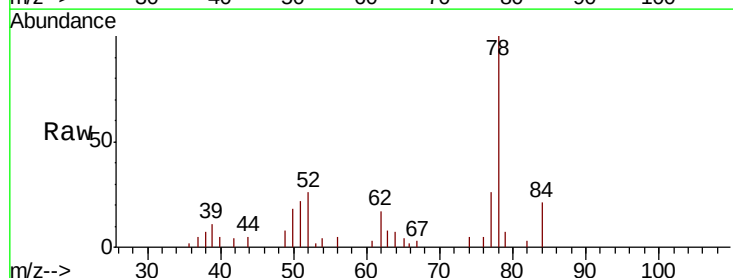


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

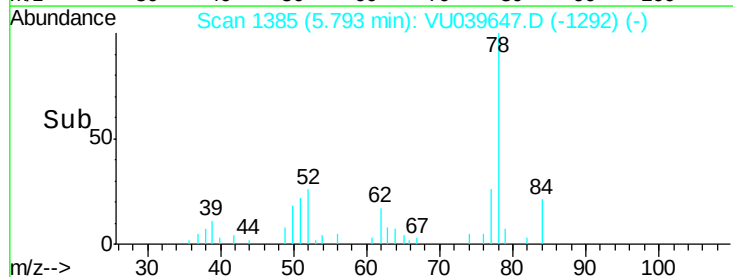
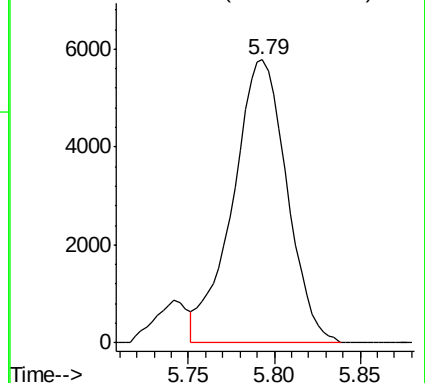


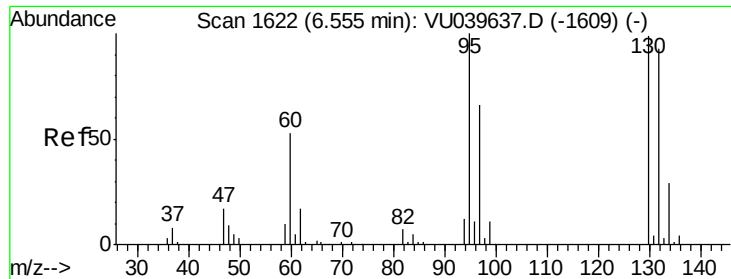
#33
Benzene
Concen: 2.600 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 78 Resp: 12667



Abundance Ion 78.00 (77.70 to 78.70): VU0

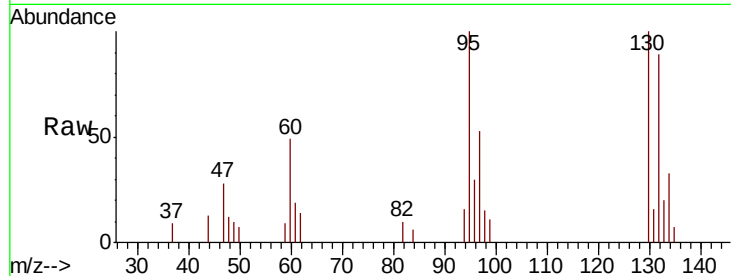




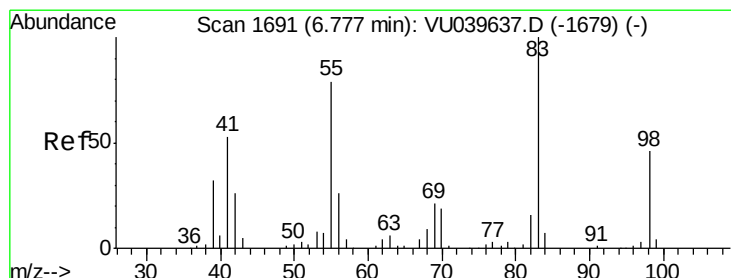
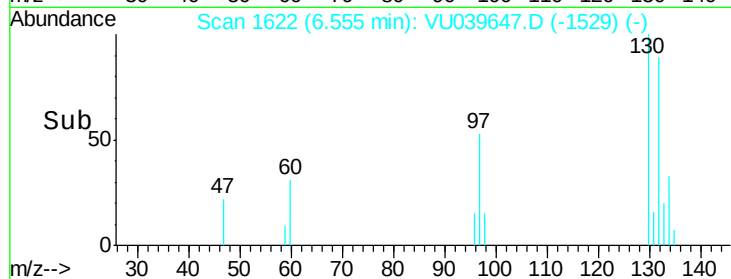
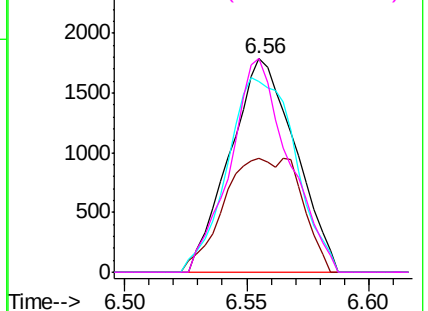
#34
 Trichloroethene
 Concen: 2.576 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 3320
 Ion Ratio Lower Upper
 95 100
 97 68.5 45.5 84.5
 132 89.4 65.0 120.6
 130 116.4 67.9 126.1

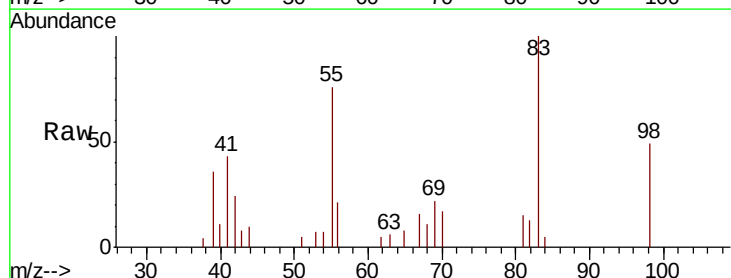


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

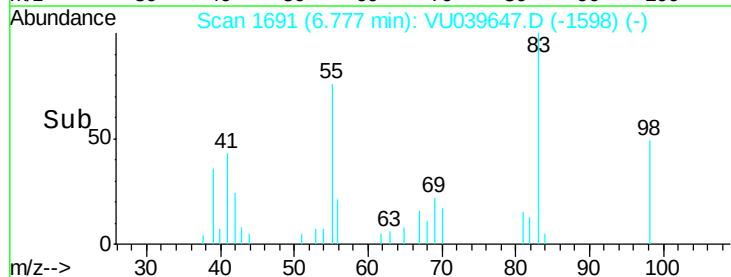
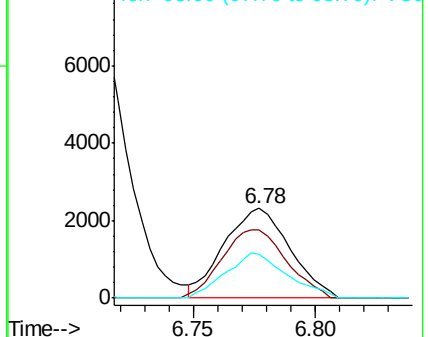


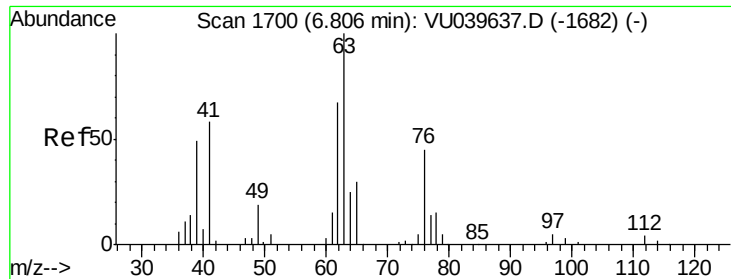
#35
 Methylcyclohexane
 Concen: 2.177 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 83 Resp: 4337
 Ion Ratio Lower Upper
 83 100
 55 75.0 62.9 94.3
 98 46.7 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

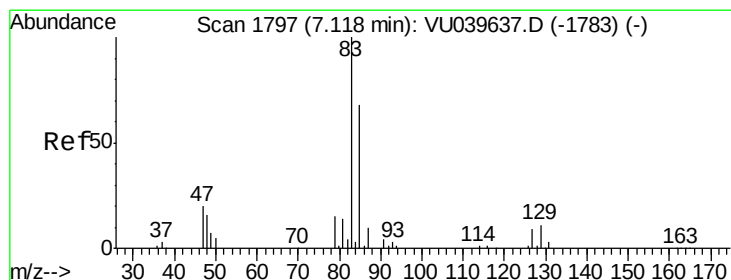
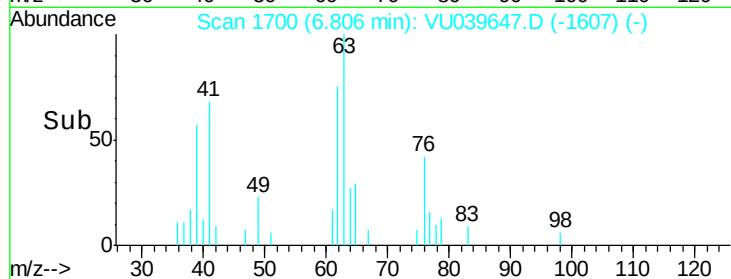
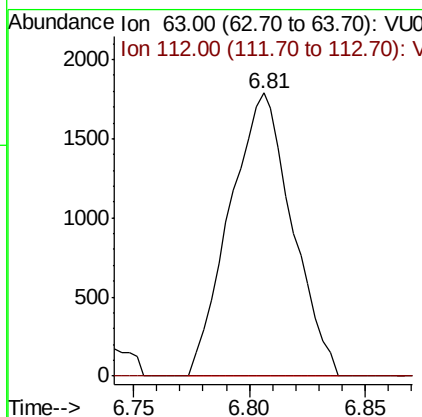
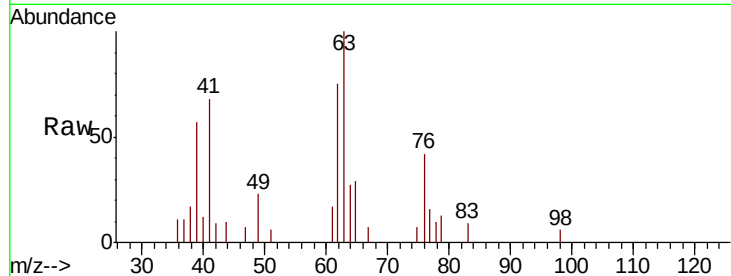




#37
 1,2-Dichloropropane
 Concen: 2.538 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

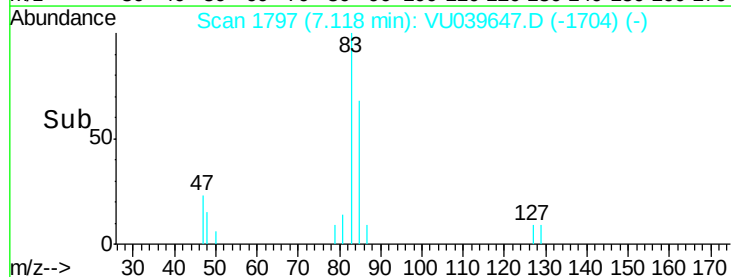
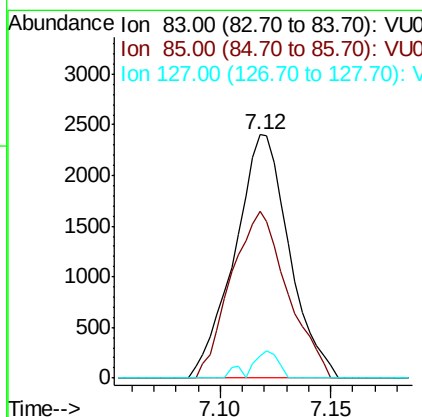
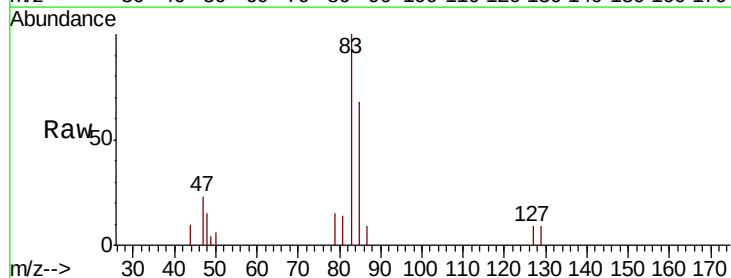
Instrument :
 MSVOA_U
 ClientSampled :

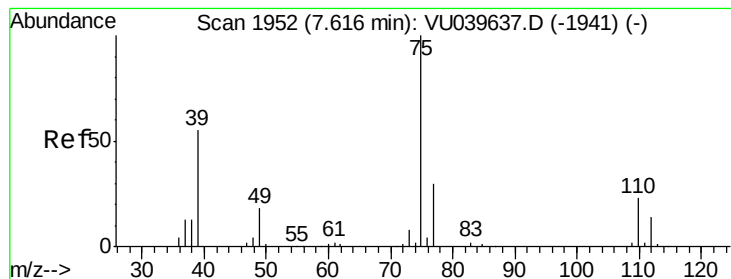
Tot Ion: 63 Resp: 3348
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 2.362 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 83 Resp: 4138
 Ion Ratio Lower Upper
 83 100
 85 68.3 45.9 85.3
 127 9.0 7.4 11.2



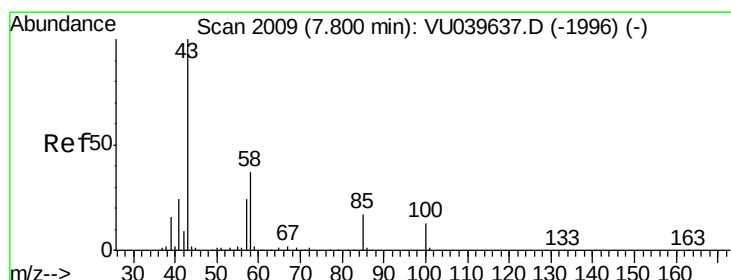
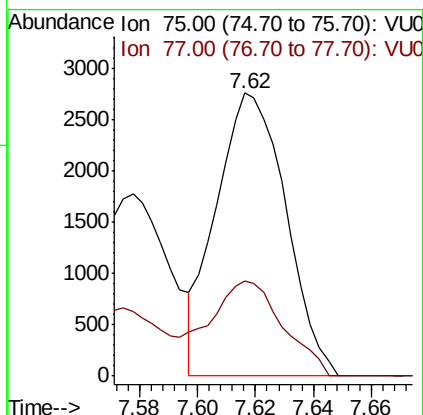
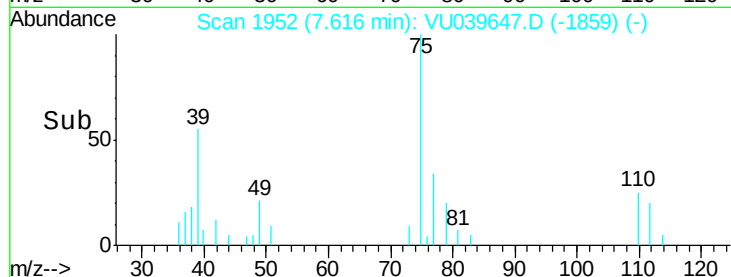
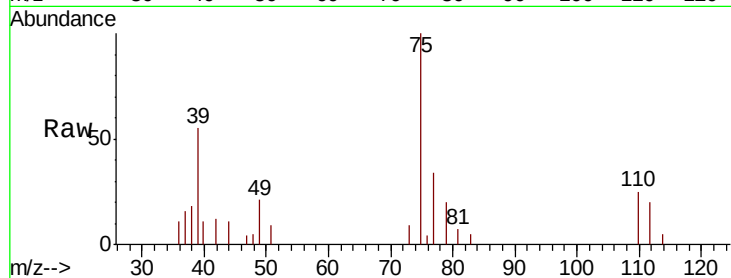


#39

cis-1,3-Dichloropropene
 Concen: 2.331 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :

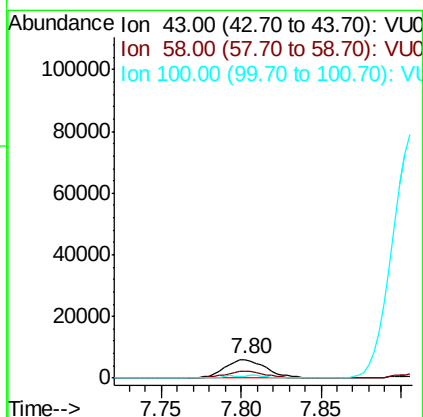
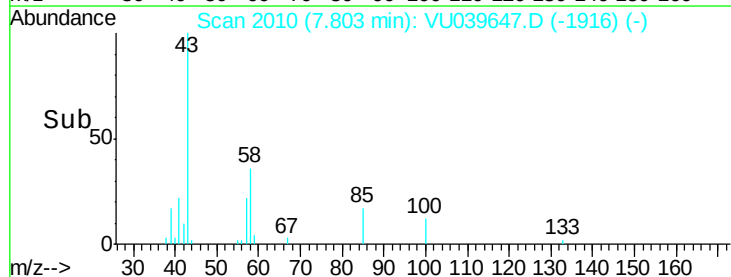
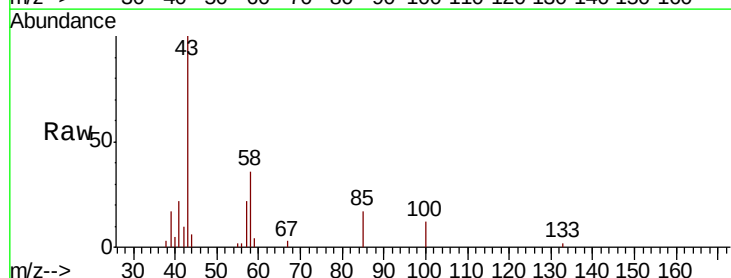
Tot Ion: 75 Resp: 4596
 Ion Ratio Lower Upper
 75 100
 77 33.5 21.8 40.6

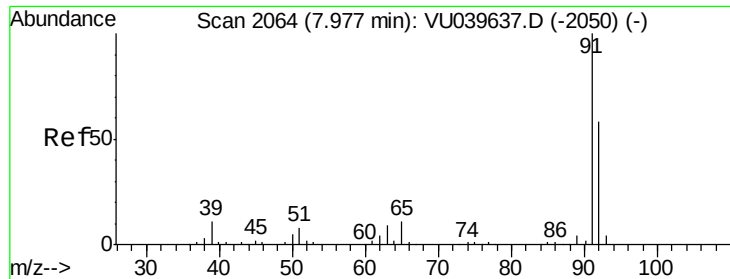


#40

4-Methyl-2-pentanone
 Concen: 4.724 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 43 Resp: 10856
 Ion Ratio Lower Upper
 43 100
 58 34.9 29.1 43.7
 100 8.5 10.6 16.0#





#42

Toluene

Concen: 2.406 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

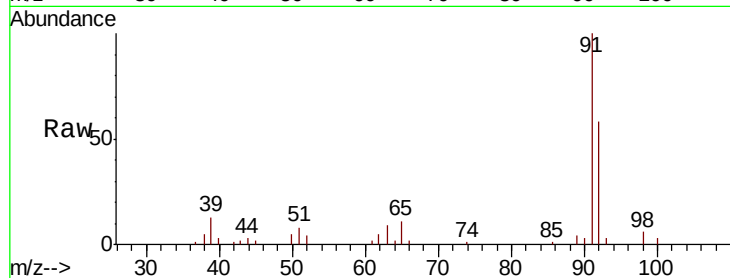
ClientSampleId :

Tot Ion: 91 Resp: 12891

Ion Ratio Lower Upper

91 100

92 58.2 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-2050) (-)

7.98

8000

6000

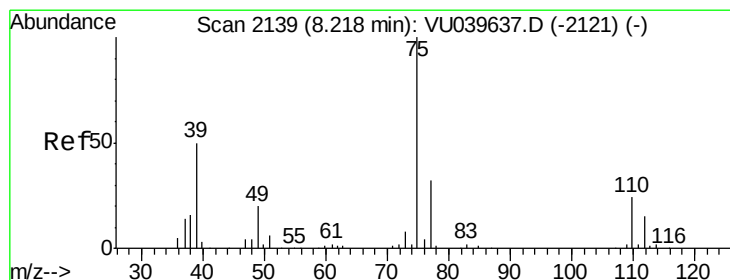
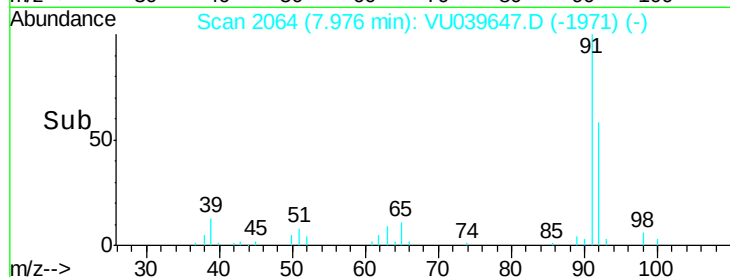
4000

2000

0

7.95 8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.641 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039647.D

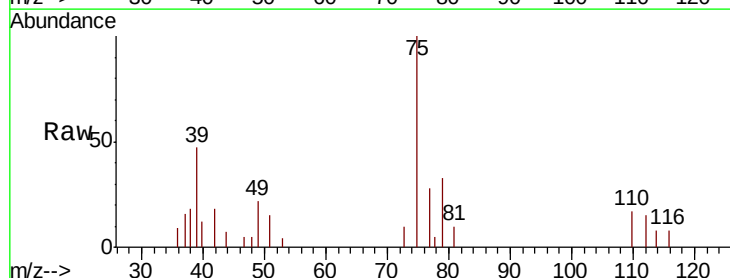
Acq: 23 Jul 2020 19:25

Tgt Ion: 75 Resp: 5098

Ion Ratio Lower Upper

75 100

77 27.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2121) (-)

8.22

3000

2500

2000

1500

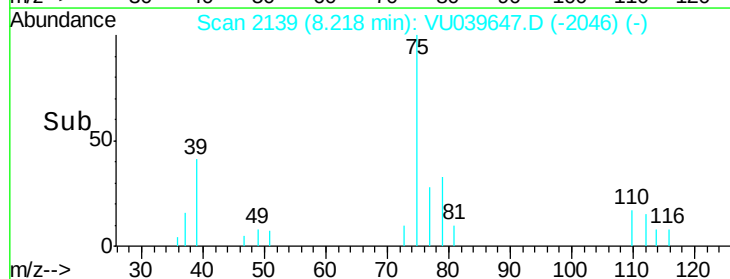
1000

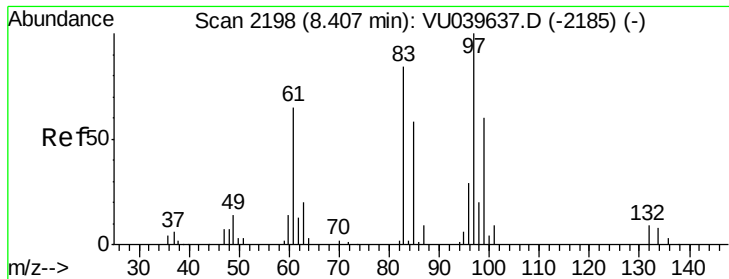
500

0

8.20 8.25

Time-->

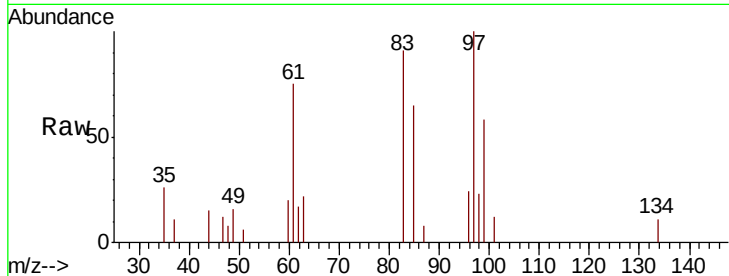




#45
1,1,2-Trichloroethane
Concen: 2.553 ug/L
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

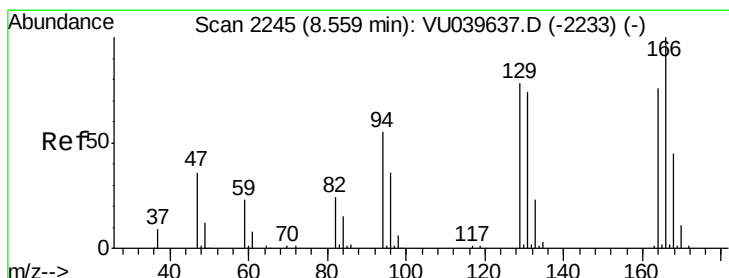
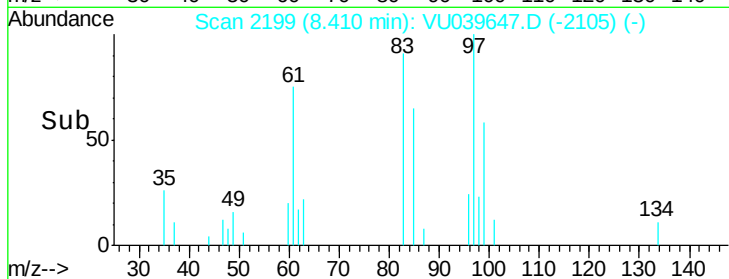
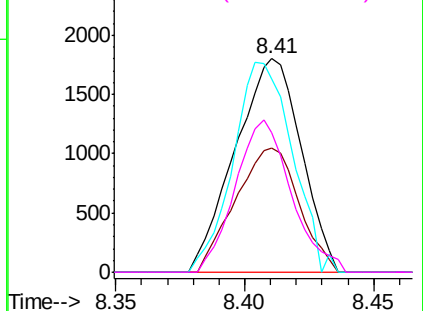
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	3211
Ion	Ratio	Lower	Upper
97	100		
99	58.4	45.1	83.9
83	90.7	62.7	116.5
85	65.3	41.0	76.2



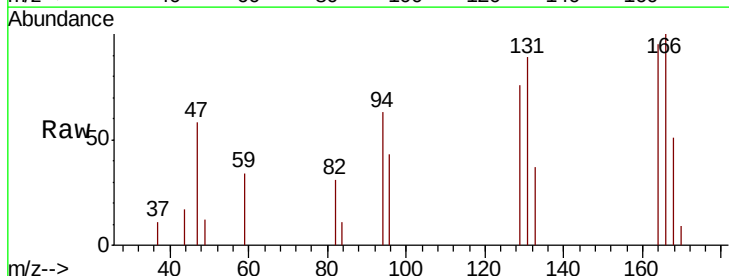
Abundance

Ion 97.00 (96.70 to 97.70): VU039647.D (-2185) (-)



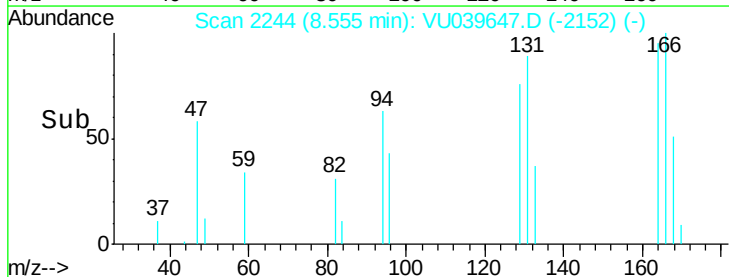
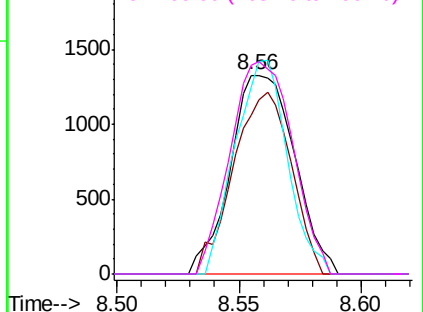
#46
Tetrachloroethene
Concen: 2.493 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039647.D
Acq: 23 Jul 2020 19:25

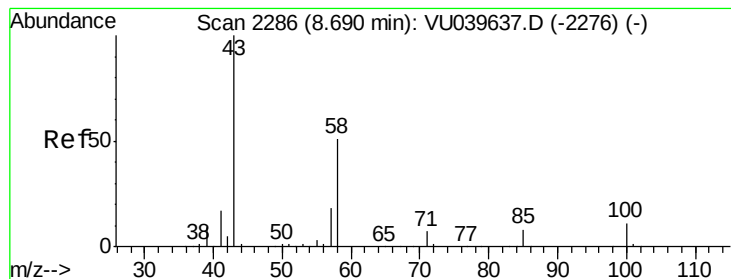
Tgt Ion:	164	Resp:	2430
Ion	Ratio	Lower	Upper
164	100		
129	80.0	71.1	132.1
131	93.7	70.3	130.5
166	104.9	87.8	163.0



Abundance

Ion 164.00 (163.70 to 164.70): VU039647.D (-2233) (-)





#48

2-Hexanone

Concen: 6.818 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 12766

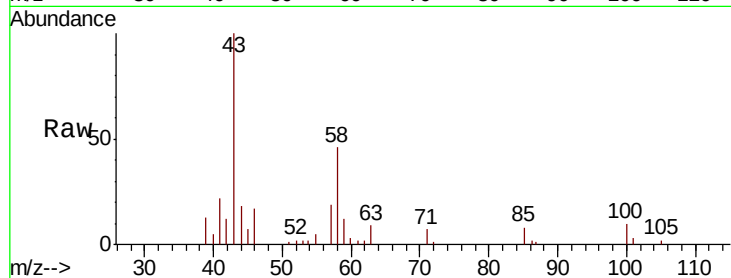
Ion Ratio Lower Upper

43 100

58 48.0 40.6 61.0

57 18.2 14.5 21.7

100 9.5 8.0 12.0

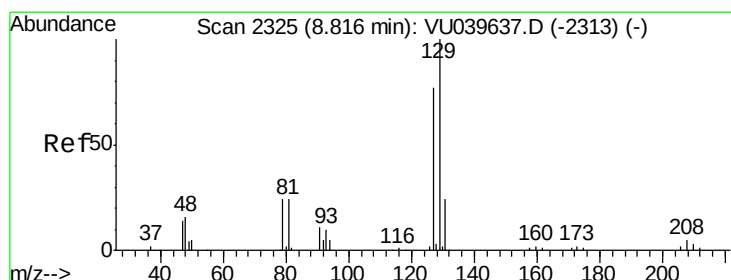
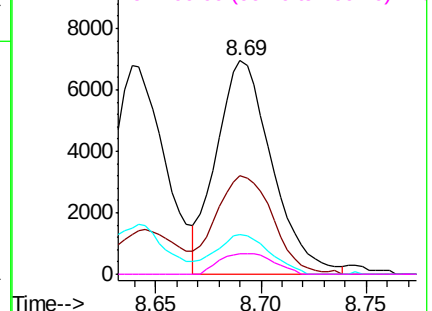
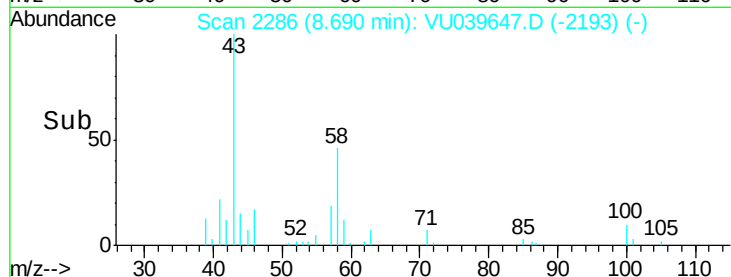


Abundance Ion 43.00 (42.70 to 43.70): VU039647.D (-2193) (-)

Ion 58.00 (57.70 to 58.70): VU039647.D (-2193) (-)

Ion 57.00 (56.70 to 57.70): VU039647.D (-2193) (-)

Ion 100.00 (99.70 to 100.70): VU039647.D (-2193) (-)



#49

Dibromochloromethane

Concen: 2.283 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU039647.D

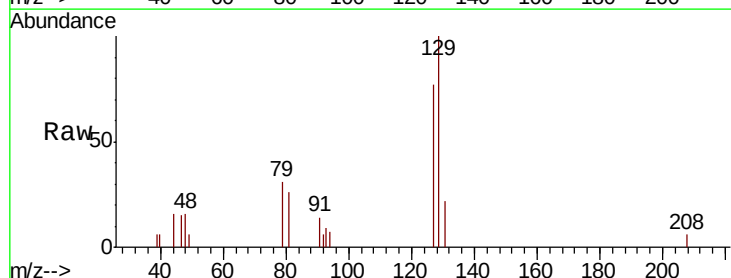
Acq: 23 Jul 2020 19:25

Tgt Ion: 129 Resp: 3242

Ion Ratio Lower Upper

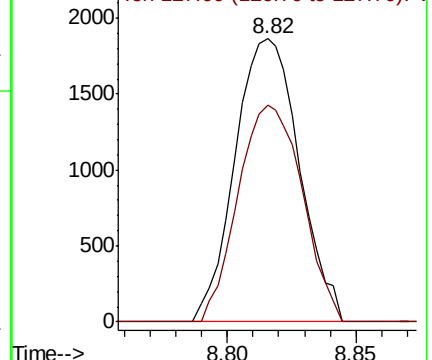
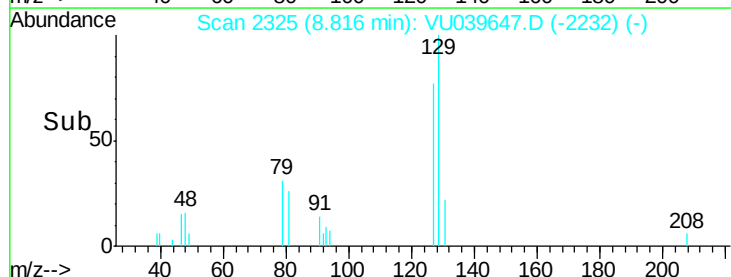
129 100

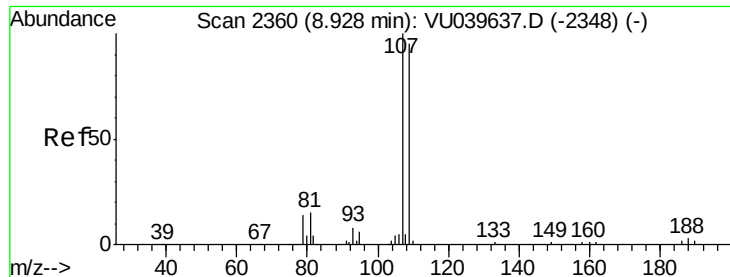
127 76.5 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039647.D (-2232) (-)

Ion 127.00 (126.70 to 127.70): VU039647.D (-2232) (-)

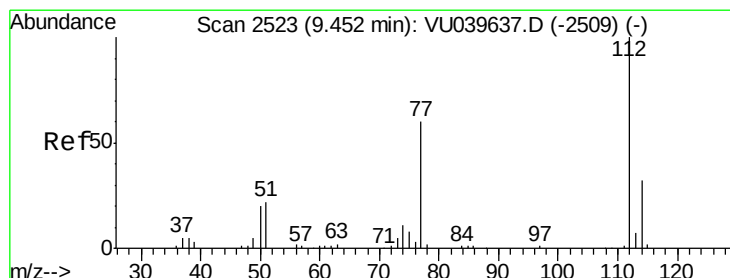
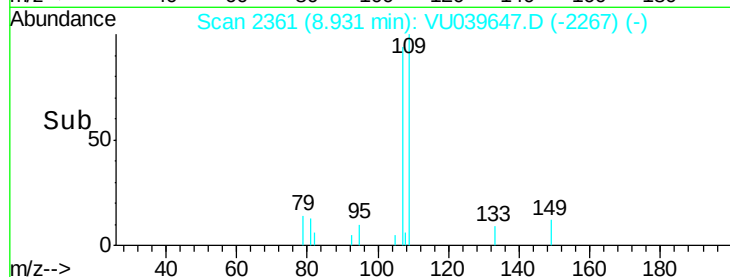
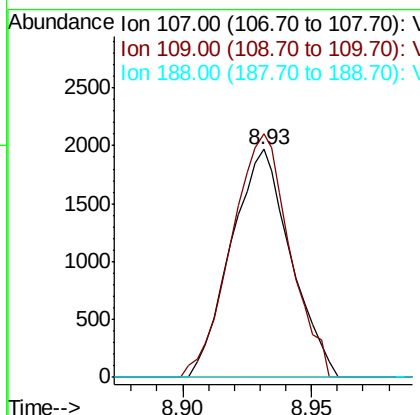
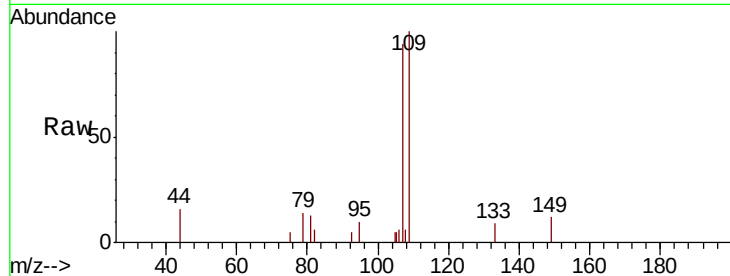




#50
 1,2-Dibromoethane
 Concen: 2.273 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

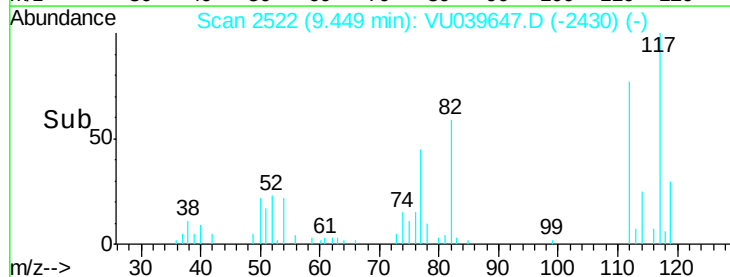
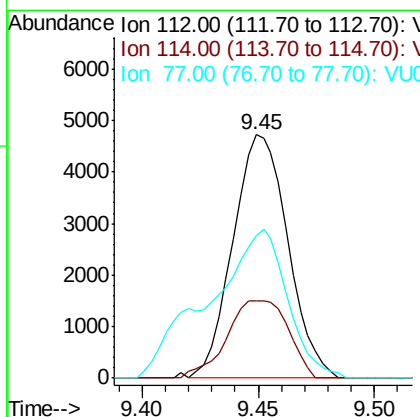
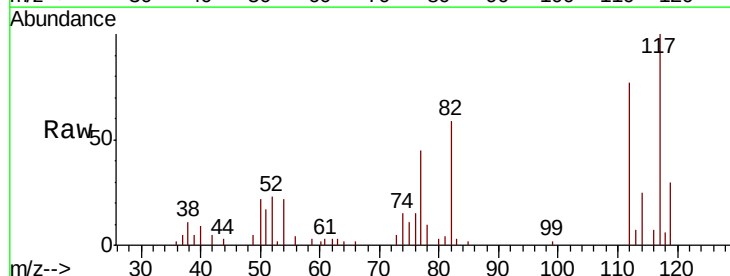
Instrument :
 MSVOA_U
 ClientSampleId :

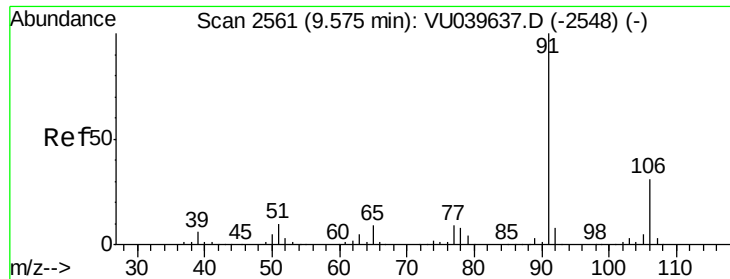
Tot Ion:107 Resp: 3181
 Ion Ratio Lower Upper
 107 100
 109 106.8 66.8 124.2
 188 0.0 3.0 4.4#



#51
 Chlorobenzene
 Concen: 2.274 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Tgt Ion:112 Resp: 7773
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.9 42.5
 77 58.5 49.4 74.0





#52

Ethylbenzene

Concen: 2.130 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

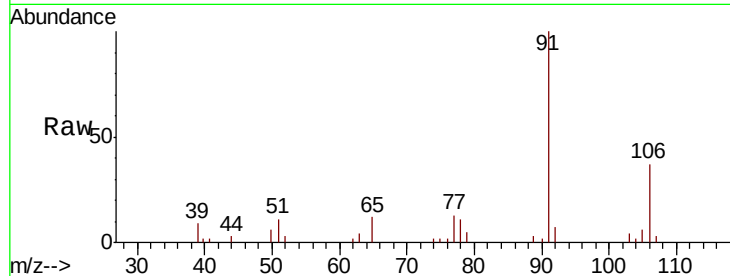
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 12610

Ion Ratio Lower Upper

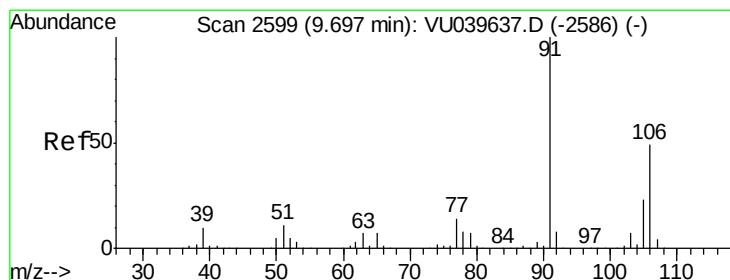
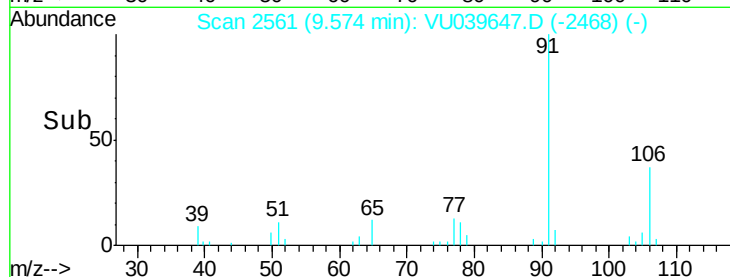
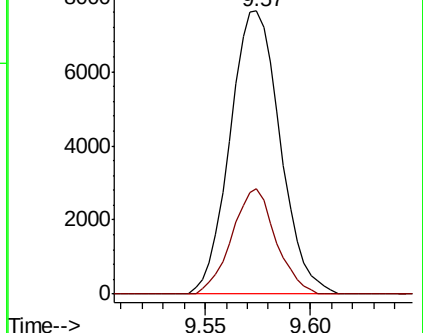
91 100

106 37.1 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039647.D (-2548) (-)

Ion 106.00 (105.70 to 106.70): VU039647.D (-2548) (-)



#53

m,p-Xylene

Concen: 2.161 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039647.D

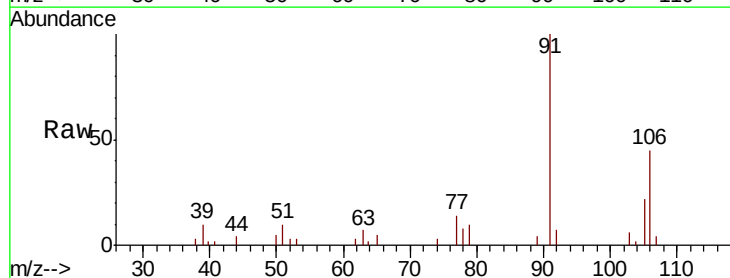
Acq: 23 Jul 2020 19:25

Tgt Ion: 106 Resp: 4823

Ion Ratio Lower Upper

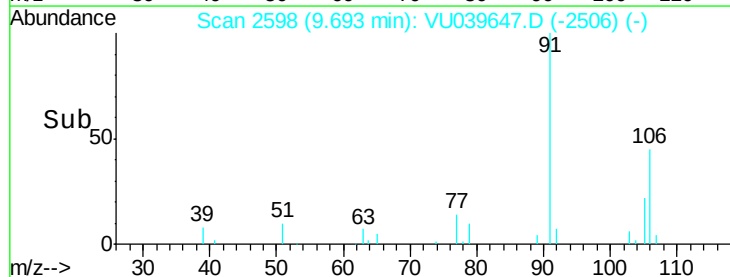
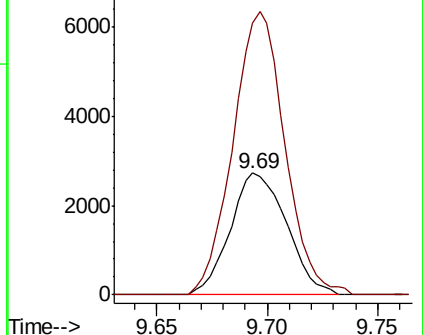
106 100

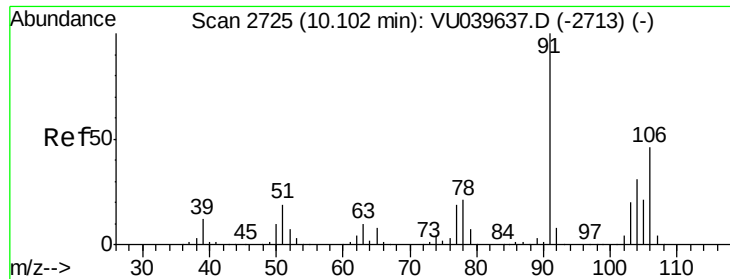
91 223.4 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039647.D (-2598) (-)

Ion 91.00 (90.70 to 91.70): VU039647.D (-2598) (-)





#54

o-xylene

Concen: 2.278 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

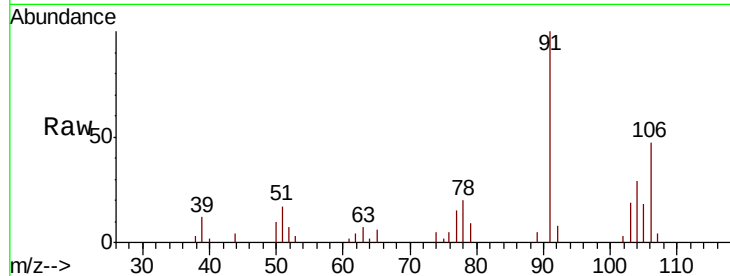
ClientSampleId :

Tot Ion:106 Resp: 4880

Ion Ratio Lower Upper

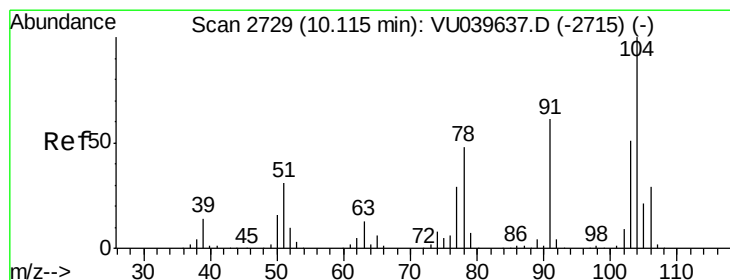
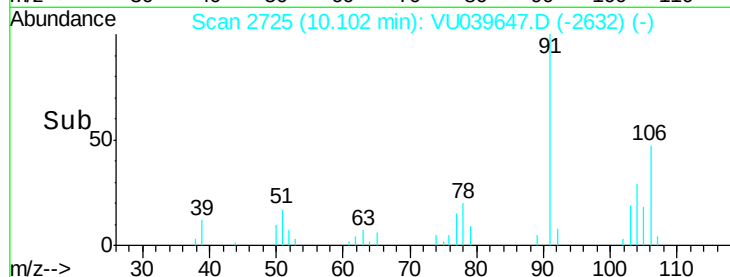
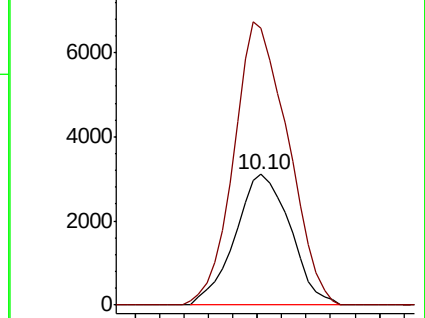
106 100

91 211.6 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 2.160 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039647.D

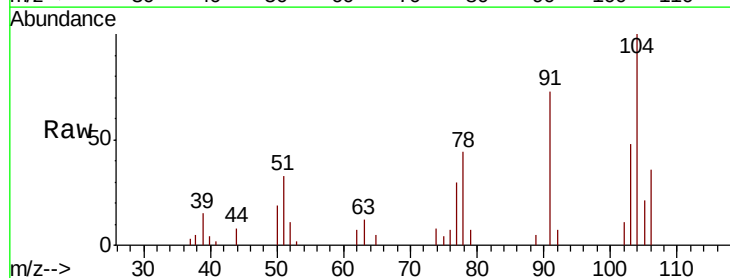
Acq: 23 Jul 2020 19:25

Tgt Ion:104 Resp: 8005

Ion Ratio Lower Upper

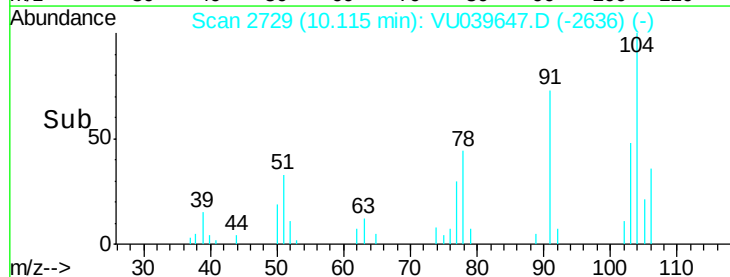
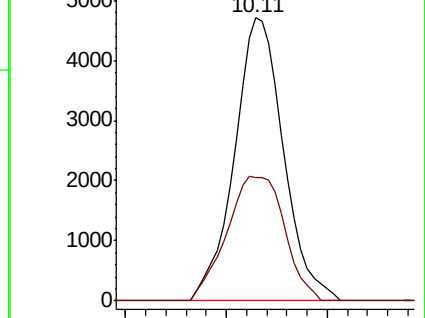
104 100

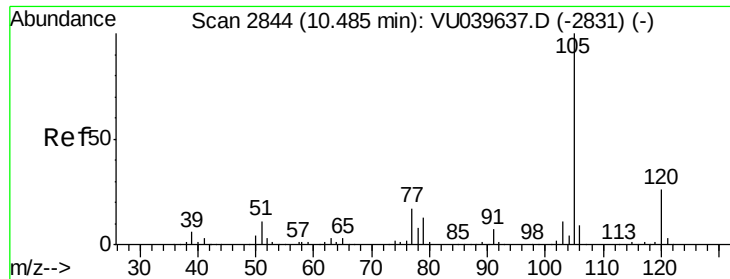
78 43.8 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 2.059 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

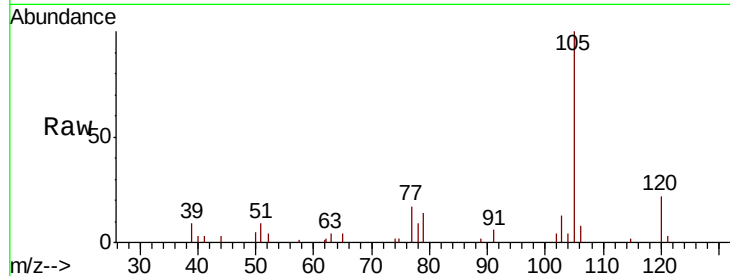
Tot Ion:105 Resp: 11974

Ion Ratio Lower Upper

105 100

120 23.1 20.6 31.0

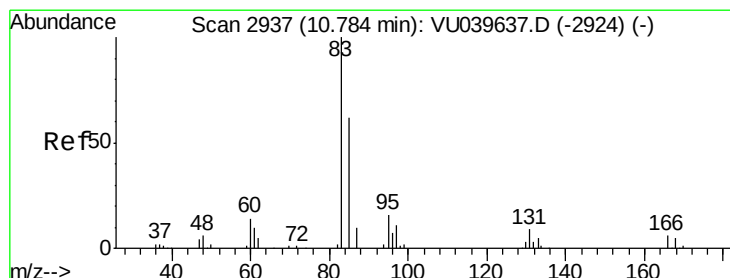
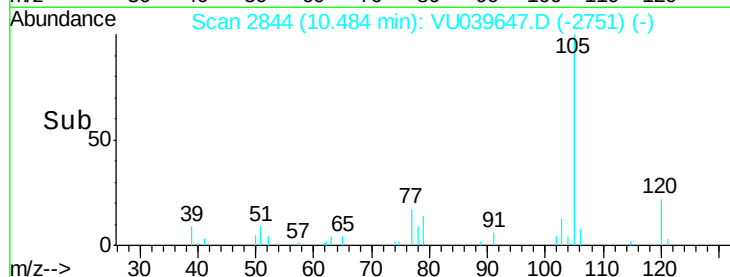
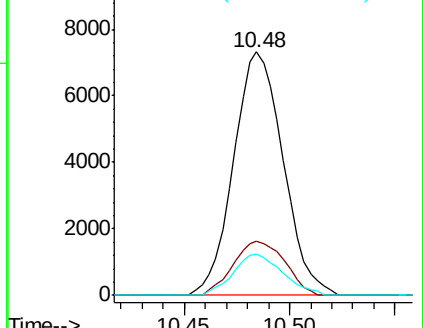
77 16.9 13.4 20.2



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: 2.633 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

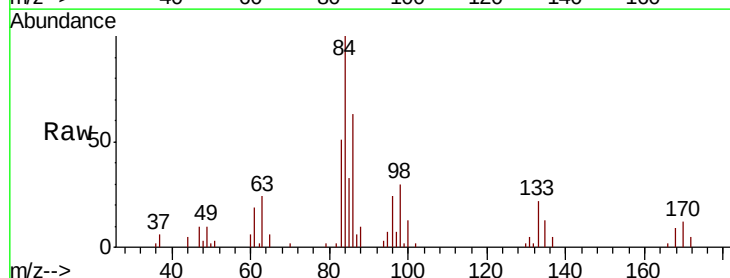
Tgt Ion: 83 Resp: 6037

Ion Ratio Lower Upper

83 100

85 64.4 46.4 86.2

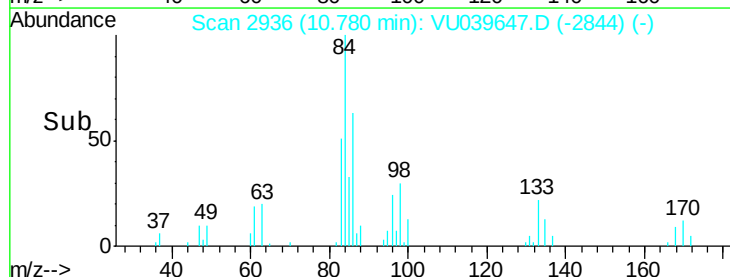
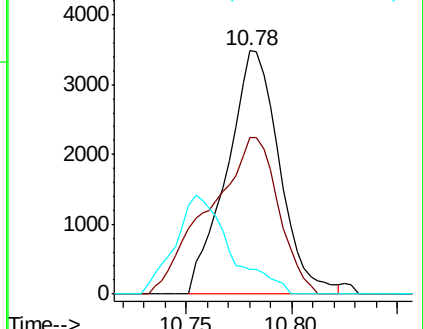
131 10.3 7.8 11.6

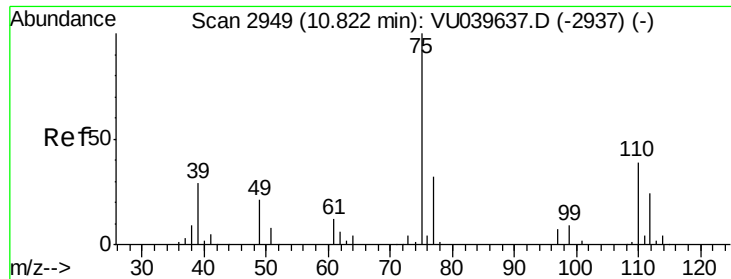


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.294 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

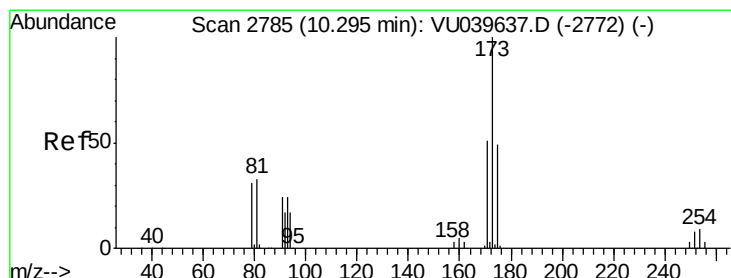
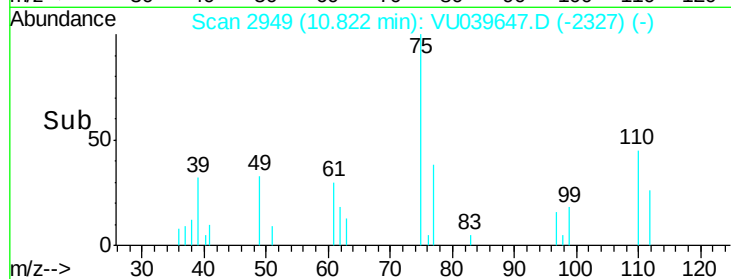
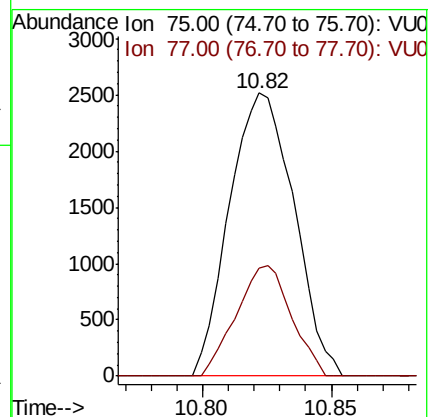
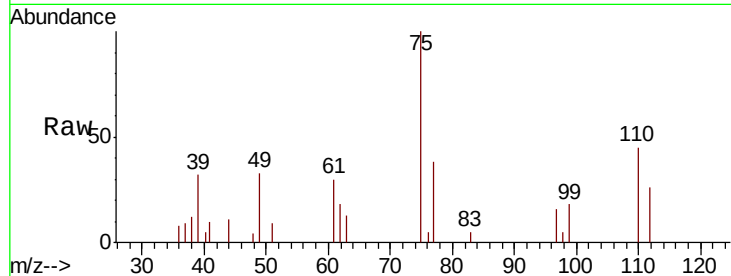
ClientSampleId :

Tot Ion: 75 Resp: 4391

Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.2



#61

Bromoform

Concen: 2.082 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

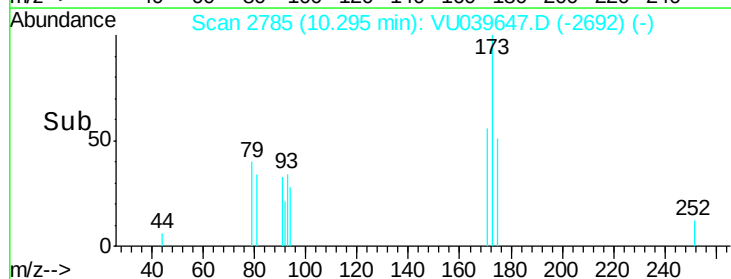
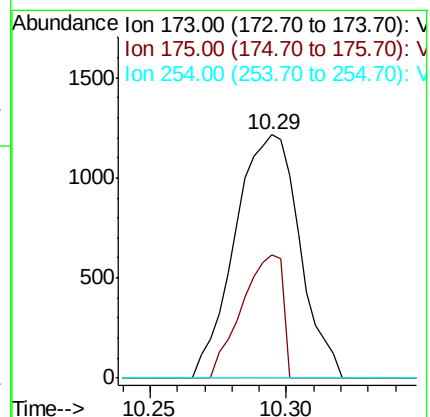
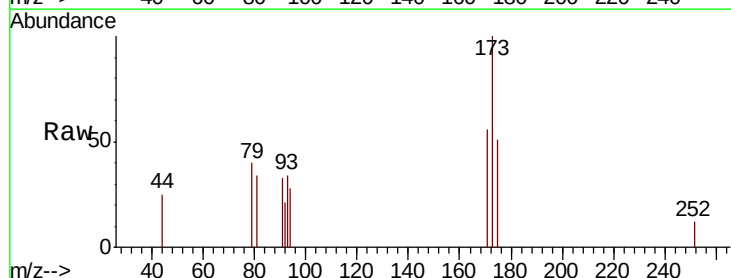
Tgt Ion: 173 Resp: 1997

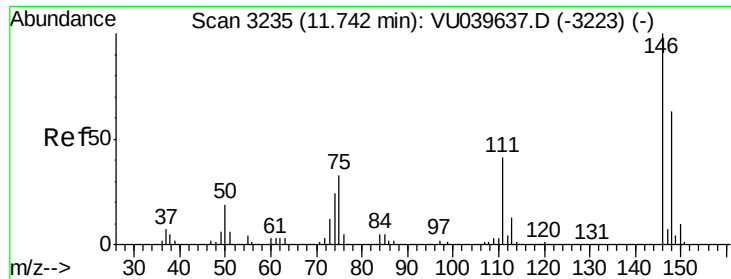
Ion Ratio Lower Upper

173 100

175 32.1 38.4 57.6#

254 0.0 7.0 10.6#





#62

1,3-Dichlorobenzene

Concen: 2.406 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

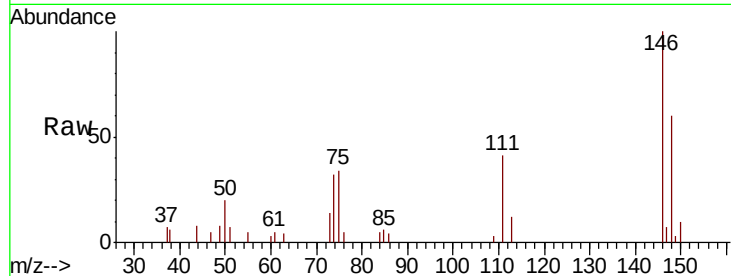
Tot Ion:146 Resp: 5976

Ion Ratio Lower Upper

146 100

111 41.0 29.3 54.3

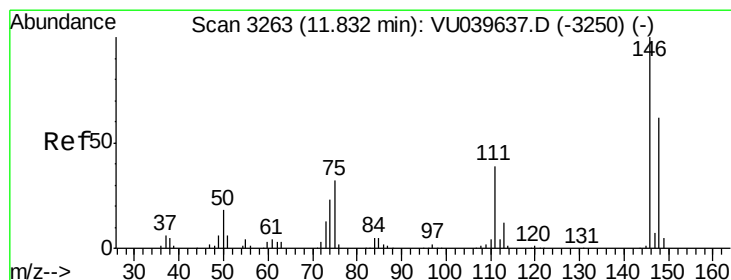
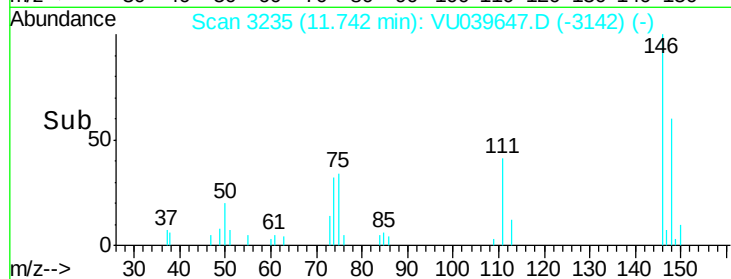
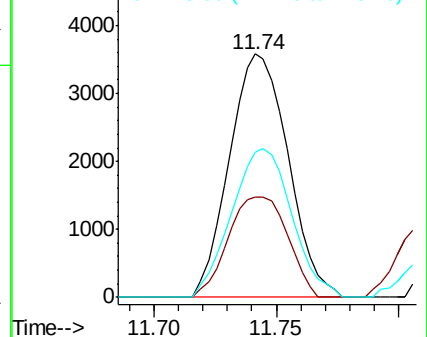
148 62.7 46.1 85.5



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: 2.451 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

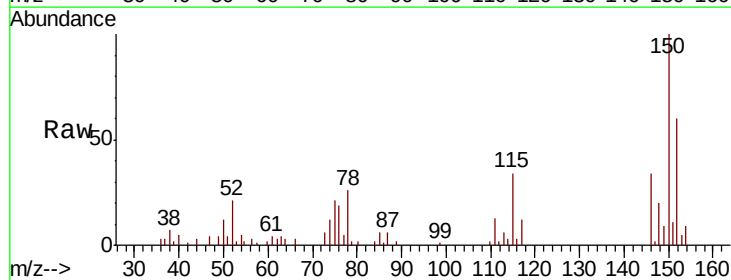
Tgt Ion:146 Resp: 6099

Ion Ratio Lower Upper

146 100

111 43.2 27.8 51.6

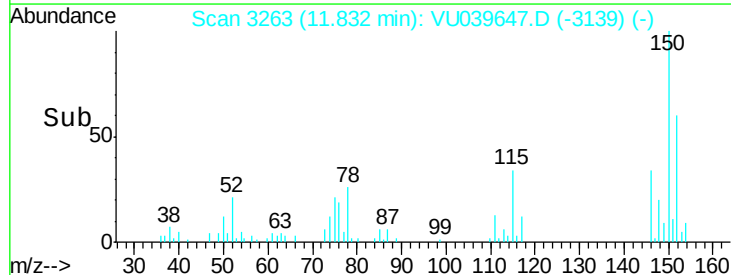
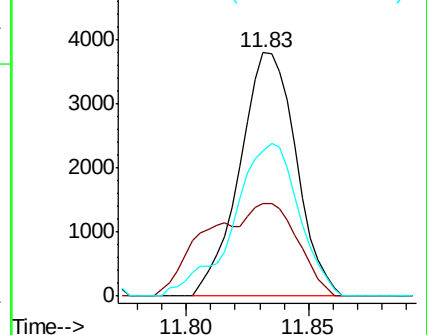
148 59.4 44.7 83.1

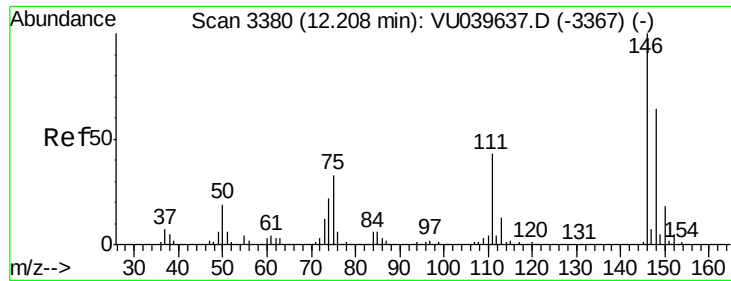


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

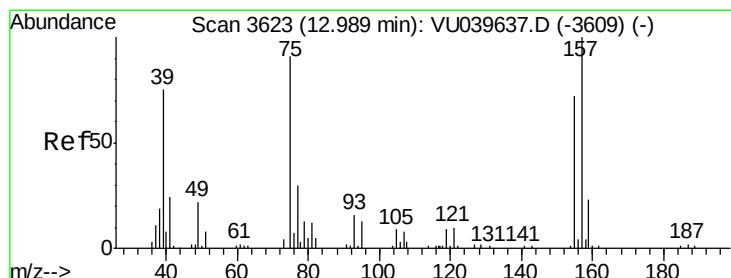
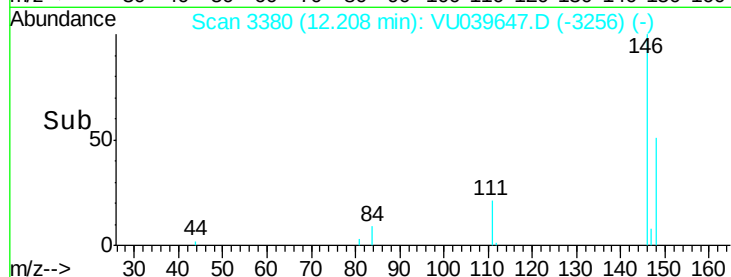
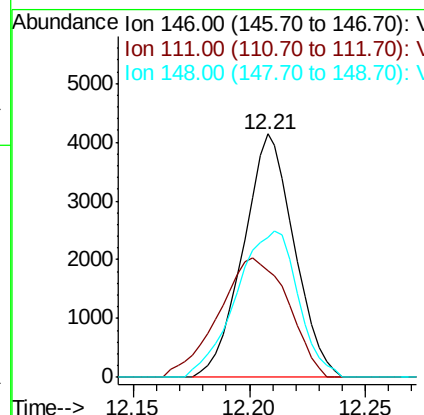
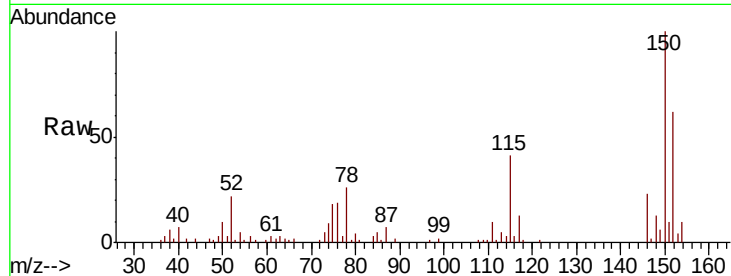




#65
 1,2-Dichlorobenzene
 Concen: 2.518 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

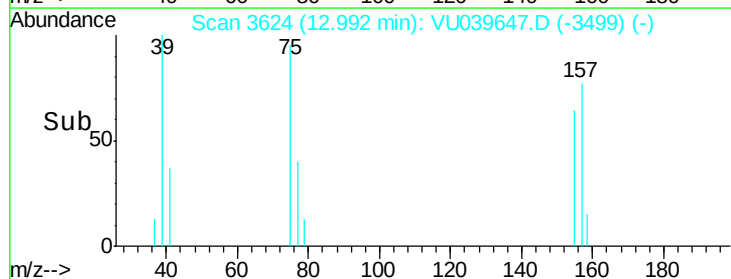
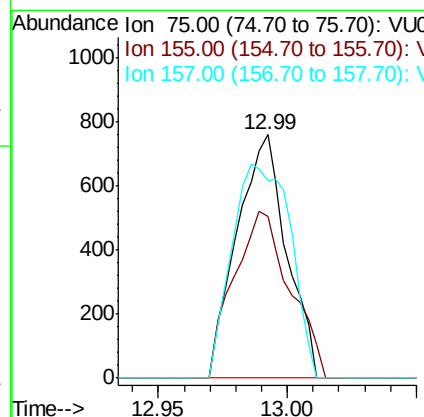
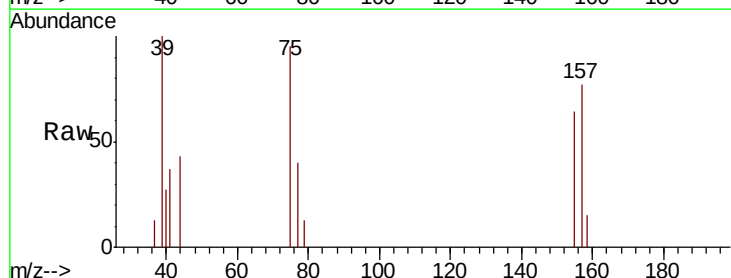
Instrument :
 MSVOA_U
 ClientSampleId :

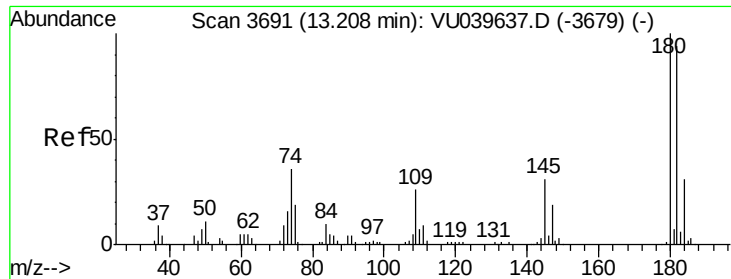
Tot Ion:146 Resp: 6322
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.8 52.2
 148 57.7 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.037 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 75 Resp: 1023
 Ion Ratio Lower Upper
 75 100
 155 66.6 62.4 93.6
 157 80.9 78.9 118.3

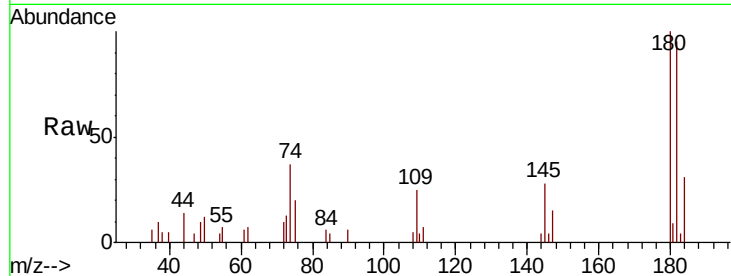




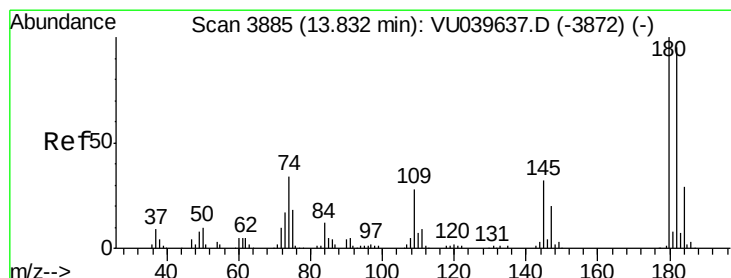
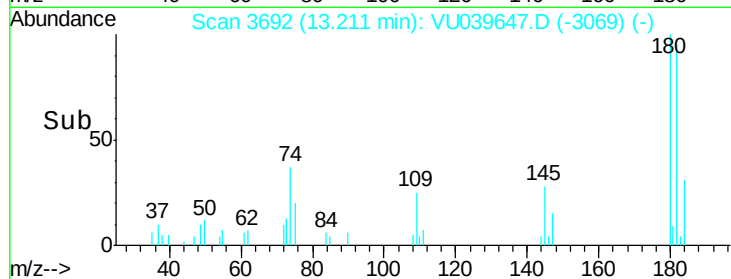
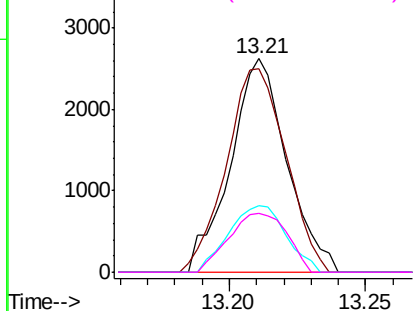
#67
 1,3,5-Trichlorobenzene
 Concen: 2.100 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3763
 Ion Ratio Lower Upper
 180 100
 182 100.5 75.7 113.5
 184 31.5 24.2 36.2
 145 28.6 24.6 36.8

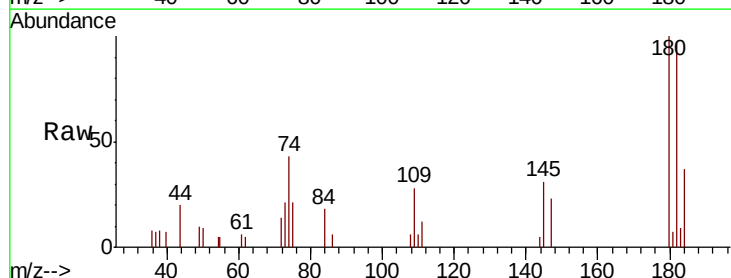


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

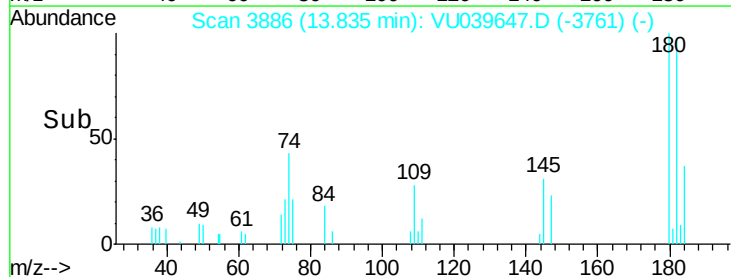
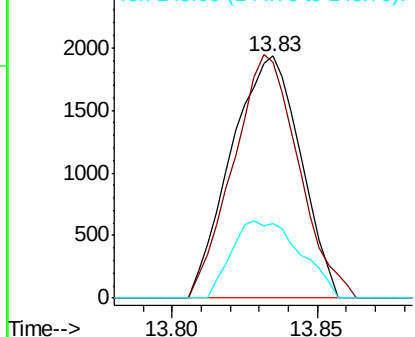


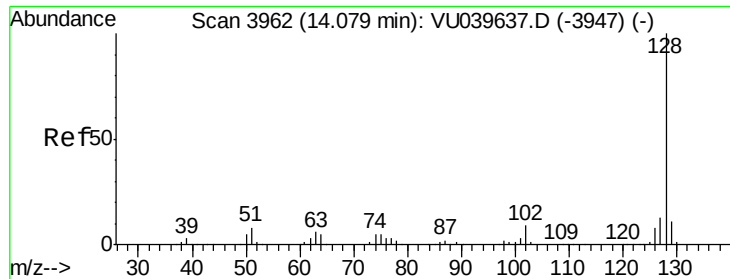
#68
 1,2,4-trichlorobenzene
 Concen: 2.105 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039647.D
 Acq: 23 Jul 2020 19:25

Tgt Ion:180 Resp: 3201
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.4 111.6
 145 31.6 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: 1.909 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

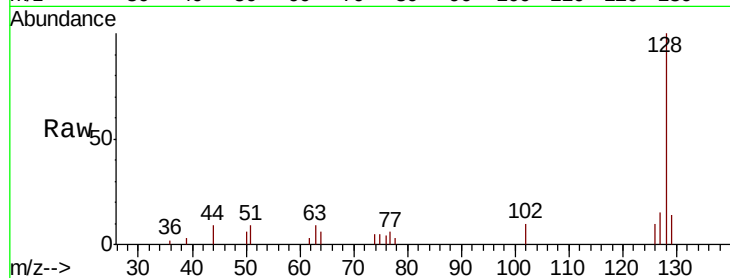
Tot Ion:128 Resp: 8706

Ion Ratio Lower Upper

128 100

127 14.6 10.7 16.1

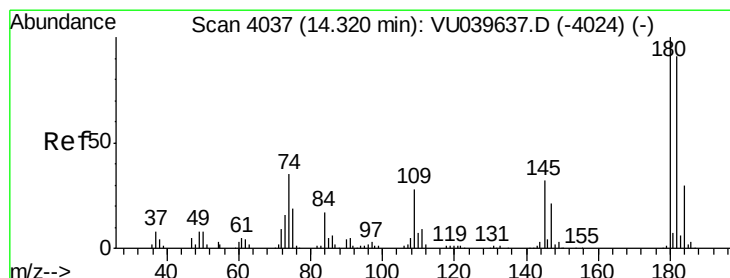
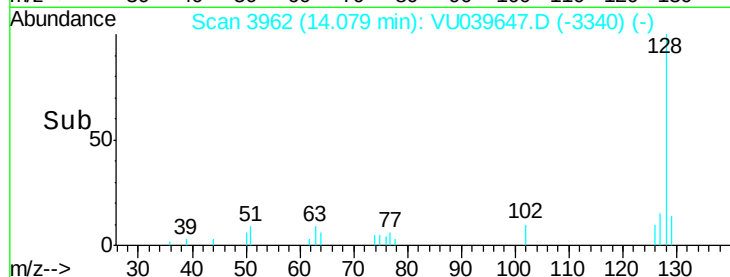
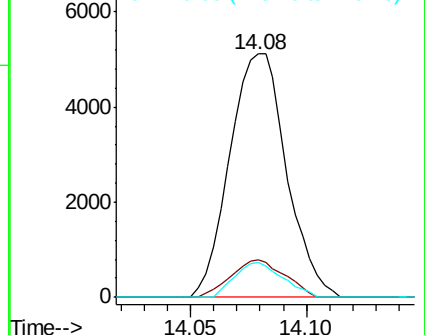
129 12.1 8.8 13.2



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: 2.144 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039647.D

Acq: 23 Jul 2020 19:25

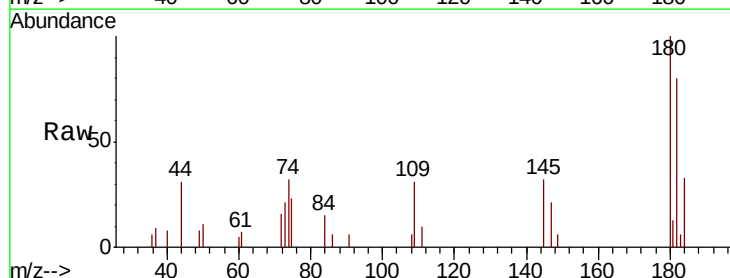
Tgt Ion:180 Resp: 3293

Ion Ratio Lower Upper

180 100

182 87.7 76.6 114.8

145 34.7 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

