

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039237.D
 Acq On : 30 Jun 2020 14:15
 Operator : SY/MD
 Sample : VSTD00505
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Quant Time: Jun 30 14:57:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 14:53:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	230120	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	246802	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	114416	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	80792	4.05	ug/L	0.00
7) Chloroethane-d5	1.93	69	69295	4.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	153074	4.10	ug/L	0.00
20) 2-Butanone-d5	4.68	46	306021	48.41	ug/L	0.00
24) Chloroform-d	5.10	84	168331	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	103432	4.54	ug/L	0.00
32) Benzene-d6	5.76	84	296246	4.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	97211	4.15	ug/L	0.00
41) Toluene-d8	7.92	98	249345	3.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	45158	4.17	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	238630	47.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	98575	4.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	102636	4.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	104562	4.696	ug/L 100
3) Chloromethane	1.53	50	100120	4.364	ug/L 100
5) Vinyl chloride	1.62	62	104772	4.568	ug/L 100
6) Bromomethane	1.88	94	56782	4.666	ug/L 100
8) Chloroethane	1.95	64	64531	4.611	ug/L 100
9) Trichlorofluoromethane	2.16	101	176922	5.507	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82820	4.749	ug/L 100
12) 1,1-Dichloroethene	2.61	96	77594	4.644	ug/L 100
13) Acetone	2.68	43	173443	44.775	ug/L 100
14) Carbon disulfide	2.82	76	261794	4.522	ug/L 100
15) Methyl Acetate	2.99	43	40441	4.237	ug/L 100
16) Methylene chloride	3.08	84	93046	4.640	ug/L 100
17) Methyl tert-butyl Ether	3.40	73	206449	4.618	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	81161	4.597	ug/L 100
19) 1,1-Dichloroethane	3.91	63	153852	4.578	ug/L 100
21) 2-Butanone	4.76	43	274551	45.069	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	84396	4.755	ug/L 100
23) Bromochloromethane	5.02	128	40351	4.692	ug/L 100
25) Chloroform	5.12	83	158790	4.717	ug/L 100
27) 1,2-Dichloroethane	5.83	62	116789	4.683	ug/L 100
29) 1,1,1-Trichloroethane	5.35	97	142211	4.418	ug/L 100
30) Cyclohexane	5.42	56	127283	4.265	ug/L 100
31) Carbon tetrachloride	5.56	117	121339	4.476	ug/L 100
33) Benzene	5.81	78	336874	4.374	ug/L 100
34) Trichloroethene	6.57	95	84766	4.301	ug/L 100
35) Methylcyclohexane	6.79	83	128964	4.413	ug/L 100
37) 1,2-Dichloropropane	6.82	63	87410	4.296	ug/L 100
38) Bromodichloromethane	7.13	83	126641	4.783	ug/L 100
39) cis-1,3-Dichloropropene	7.63	75	123552	4.244	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	641179	43.712	ug/L 100

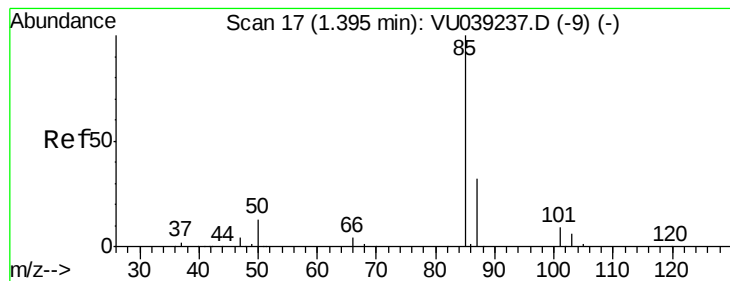
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039237.D
 Acq On : 30 Jun 2020 14:15
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Quant Time: Jun 30 14:57:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 14:53:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	350577	4.561	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	119639	4.165	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	66356	4.371	ug/L	100
47) Tetrachloroethene	8.57	164	62298	4.400	ug/L	100
48) 2-Hexanone	8.71	43	504542	44.865	ug/L	100
49) Dibromochloromethane	8.83	129	77854	4.433	ug/L	100
50) 1,2-Dibromoethane	8.94	107	66787	4.494	ug/L	100
51) Chlorobenzene	9.47	112	232330	4.657	ug/L	100
52) Ethylbenzene	9.59	91	390342	4.664	ug/L	100
53) m,p-Xylene	9.71	106	153096	4.949	ug/L	100
54) o-Xylene	10.11	106	138957	4.707	ug/L	100
55) Styrene	10.13	104	244751	4.778	ug/L	100
56) Isopropylbenzene	10.50	105	351219	4.621	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	83538	4.346	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	66096	4.430	ug/L	100
61) Bromoform	10.30	173	43641	4.759	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	171898	4.745	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	172227	4.710	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	161439	4.638	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	15403	4.437	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	122992	4.660	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	104761	4.586	ug/L	100
69) Naphthalene	14.11	128	206730	4.767	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	115596	5.299	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.696 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampled :

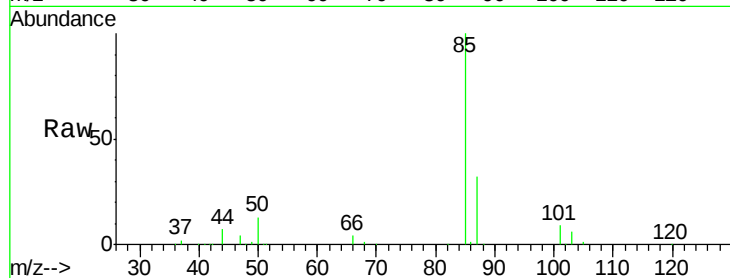
VSTD00505

Tgt Ion: 85 Resp: 104562

Ion Ratio Lower Upper

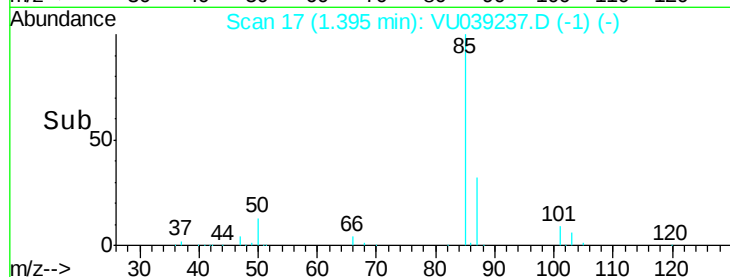
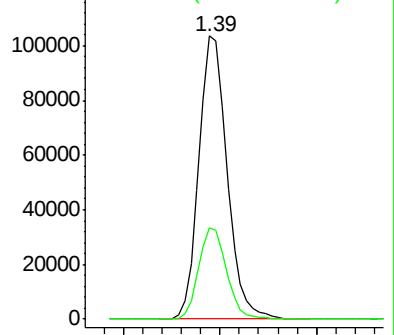
85 100

87 31.6 25.3 37.9

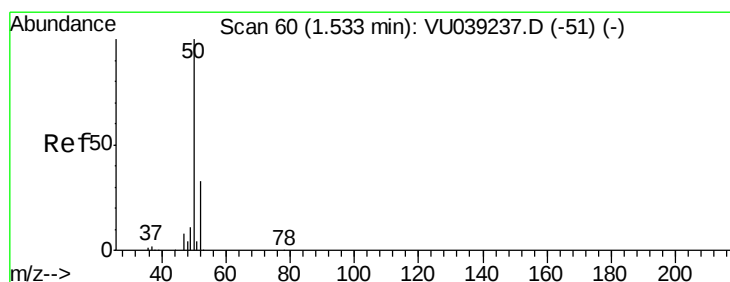


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 4.364 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039237.D

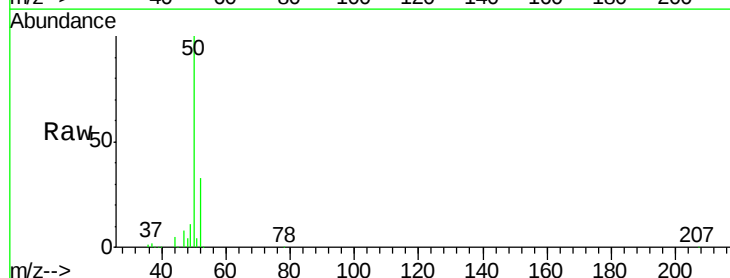
Acq: 30 Jun 2020 14:15

Tgt Ion: 50 Resp: 100120

Ion Ratio Lower Upper

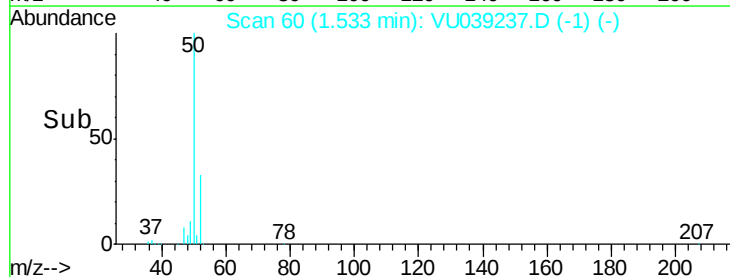
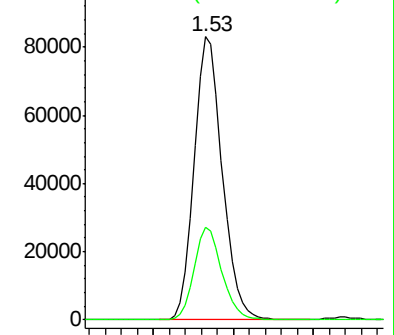
50 100

52 33.0 23.1 42.9

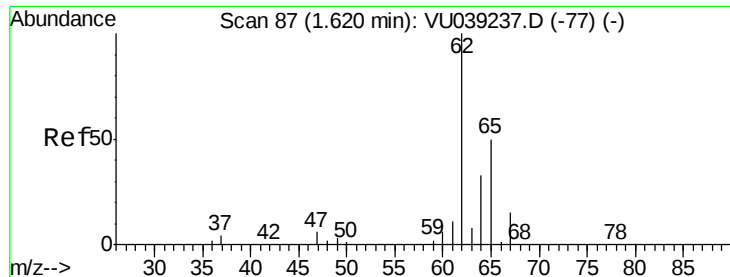


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#5

Vinyl chloride

Concen: 4.568 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

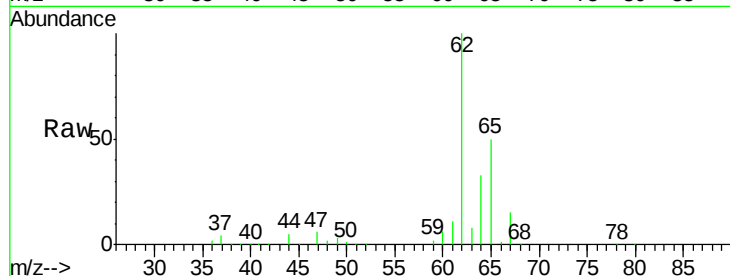
VSTD00505

Tgt Ion: 62 Resp: 104772

Ion Ratio Lower Upper

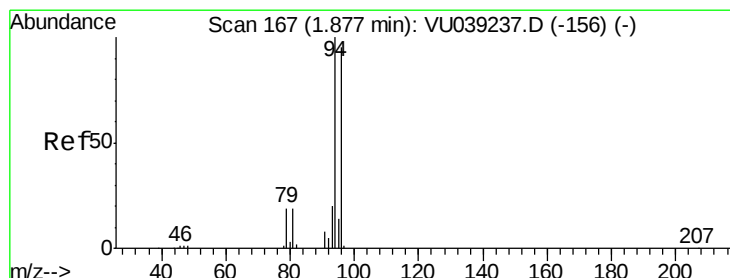
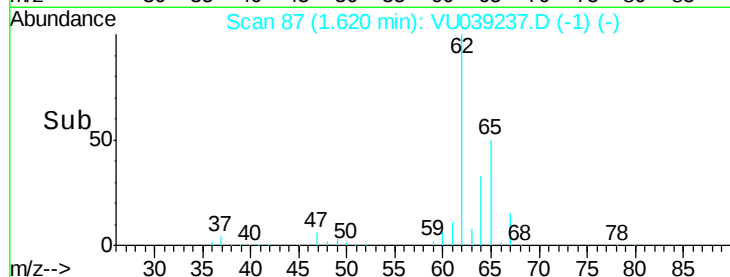
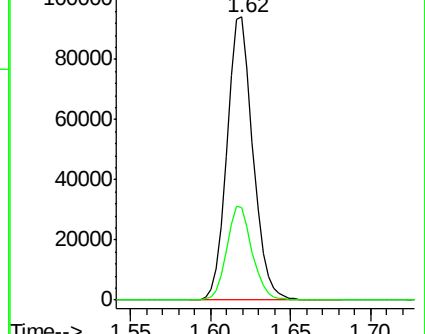
62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.666 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039237.D

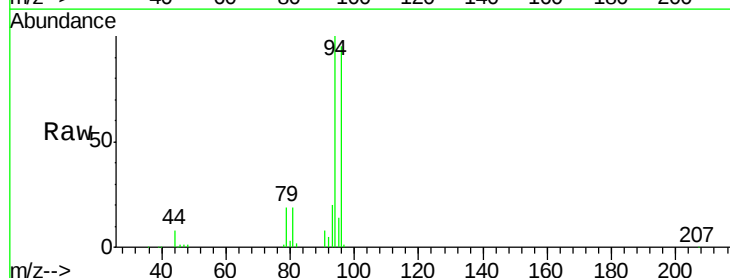
Acq: 30 Jun 2020 14:15

Tgt Ion: 94 Resp: 56782

Ion Ratio Lower Upper

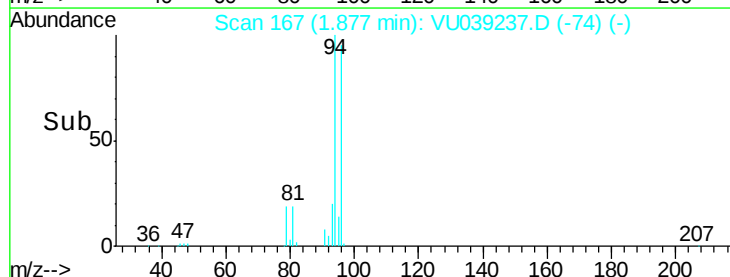
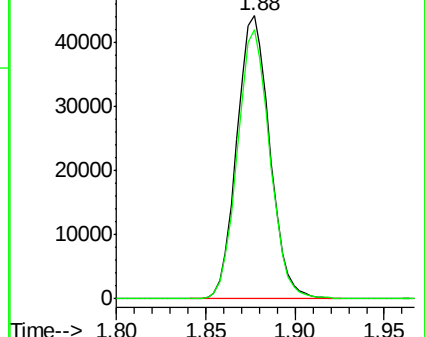
94 100

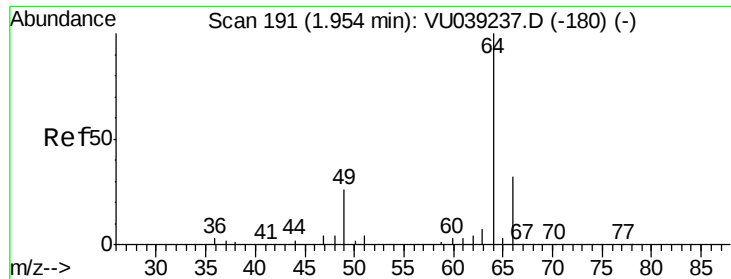
96 95.3 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

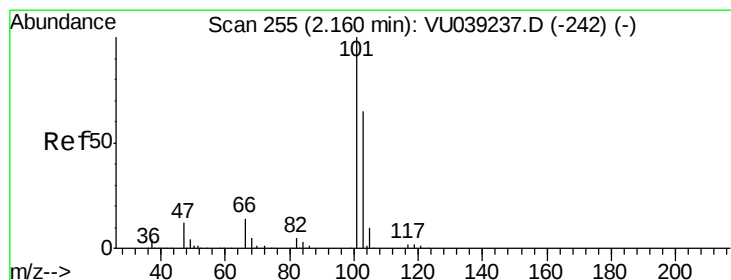
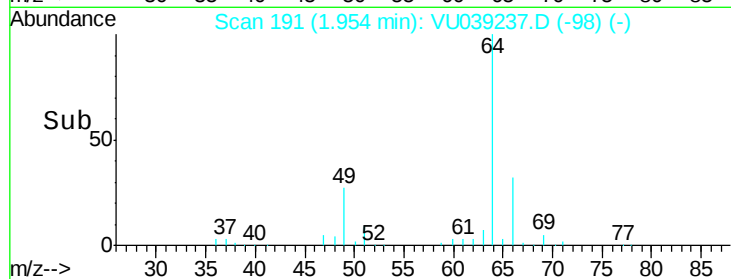
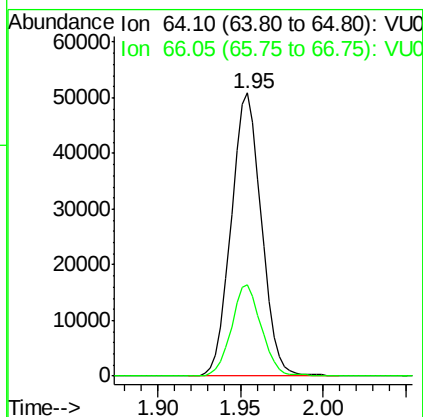
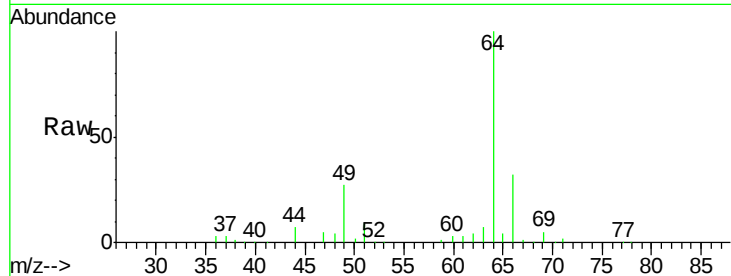




#8
 Chloroethane
 Concen: 4.611 ug/L
 RT: 1.95 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

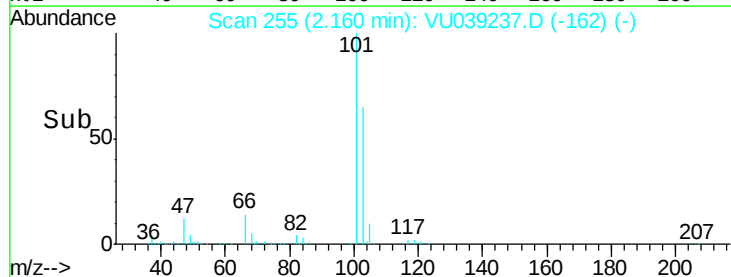
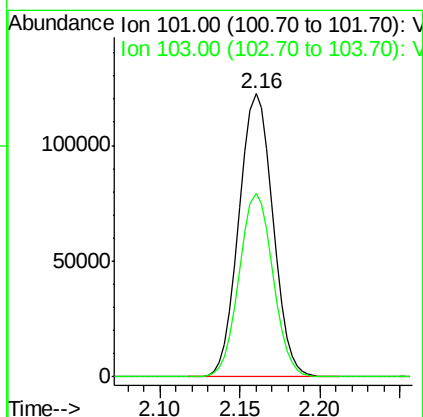
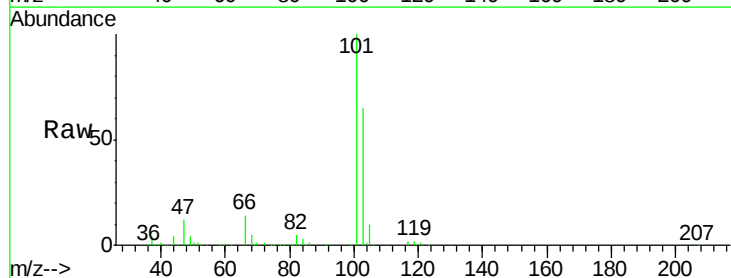
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

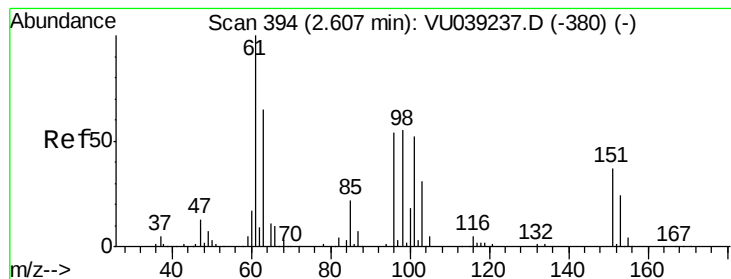
Tgt Ion: 64 Resp: 64531
 Ion Ratio Lower Upper
 64 100
 66 32.3 22.6 42.0



#9
 Trichlorofluoromethane
 Concen: 5.507 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

Tgt Ion: 101 Resp: 176922
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0





#10

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

Concen: 4.749 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

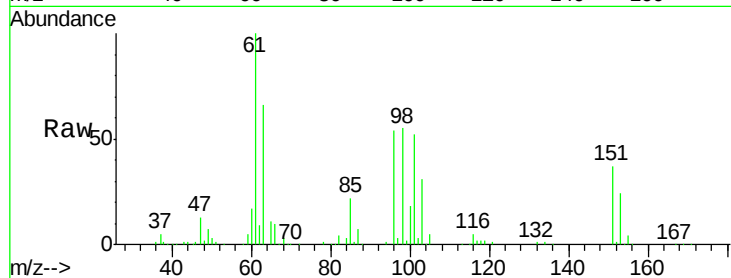
Tgt Ion: 101 Resp: 82820

Ion Ratio Lower Upper

101 100

85 43.4 34.7 52.1

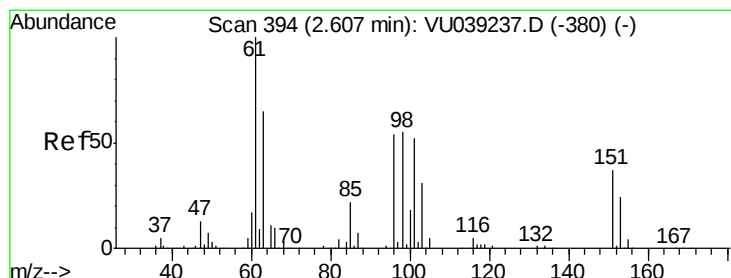
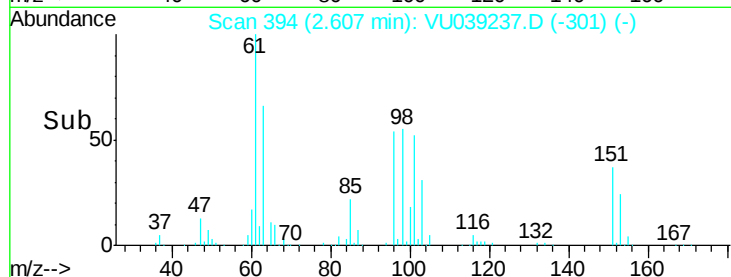
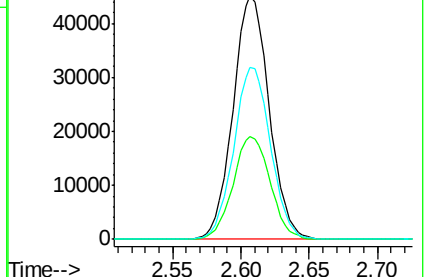
151 71.8 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): VU039237.D (-380) (-)

Ion 85.00 (84.70 to 85.70): VU039237.D (-380) (-)

Ion 151.00 (150.70 to 151.70): VU039237.D (-380) (-)



#12

1,1-Dichloroethene

Concen: 4.644 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

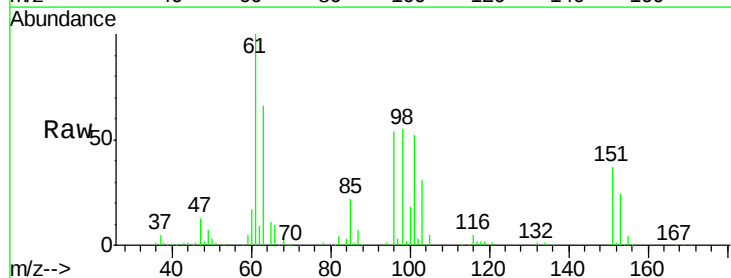
Tgt Ion: 96 Resp: 77594

Ion Ratio Lower Upper

96 100

61 184.4 129.1 239.7

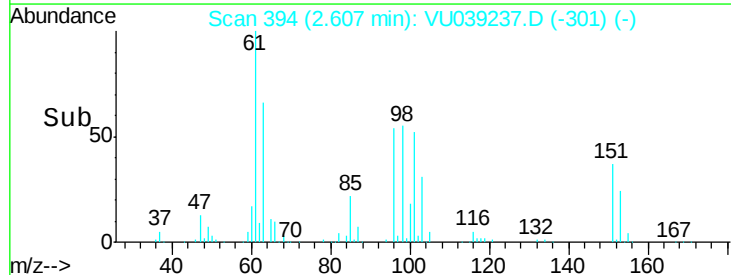
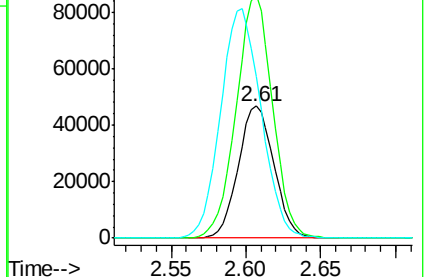
63 122.1 85.5 158.7

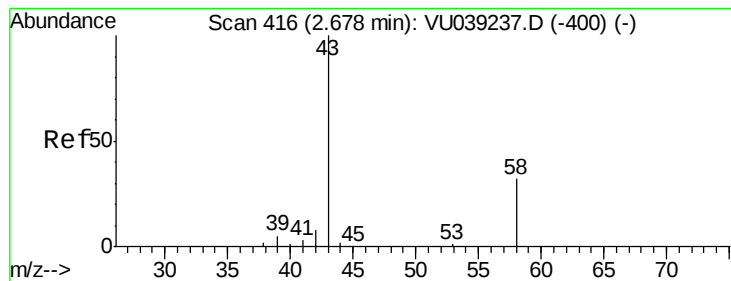


Abundance Ion 96.00 (95.70 to 96.70): VU039237.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU039237.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU039237.D (-380) (-)





#13

Acetone

Concen: 44.775 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

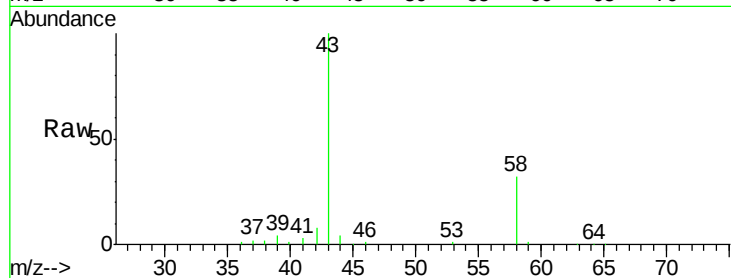
VSTD00505

Tgt Ion: 43 Resp: 173443

Ion Ratio Lower Upper

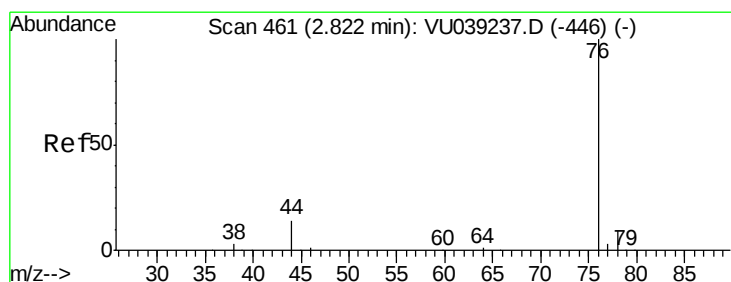
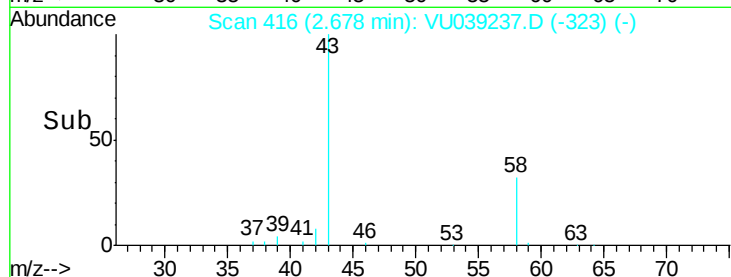
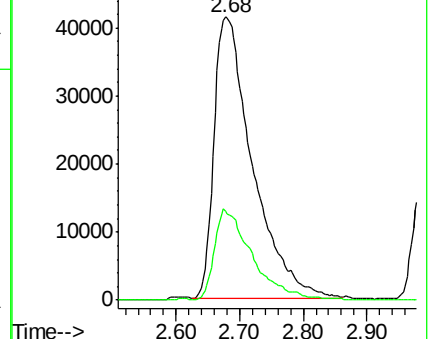
43 100

58 30.5 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.522 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039237.D

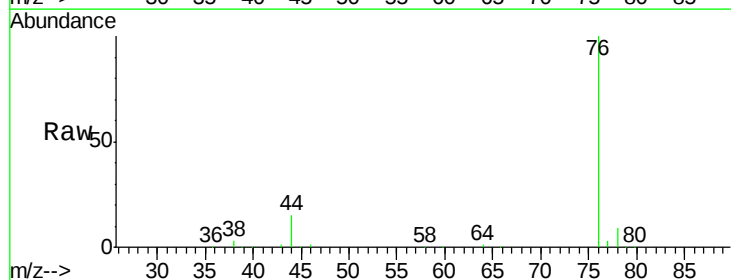
Acq: 30 Jun 2020 14:15

Tgt Ion: 76 Resp: 261794

Ion Ratio Lower Upper

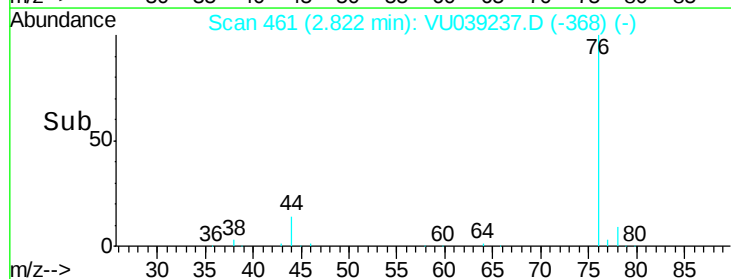
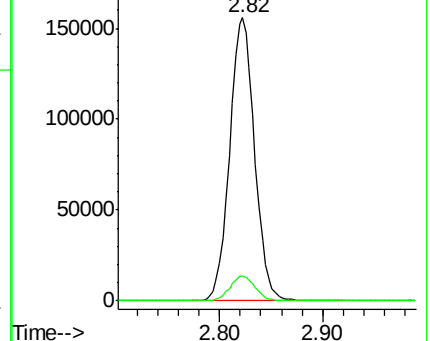
76 100

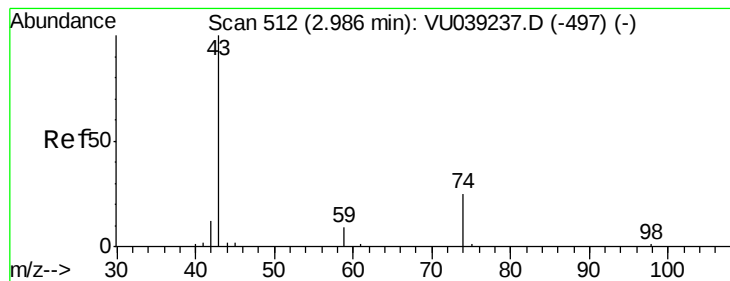
78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.237 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

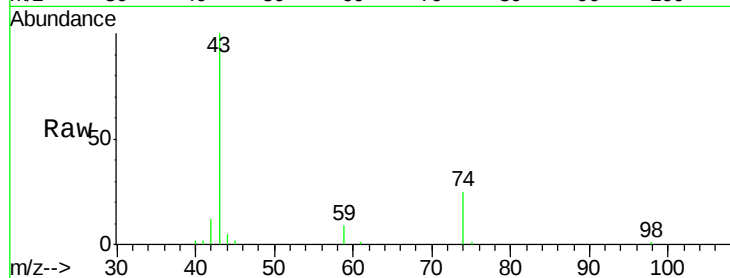
VSTD00505

Tgt Ion: 43 Resp: 40441

Ion Ratio Lower Upper

43 100

74 24.5 19.6 29.4



Abundance Ion 43.05 (42.75 to 43.75): VU039237.D (-497) (-)

Ion 74.05 (73.75 to 74.75): VU039237.D (-497) (-)

2.99

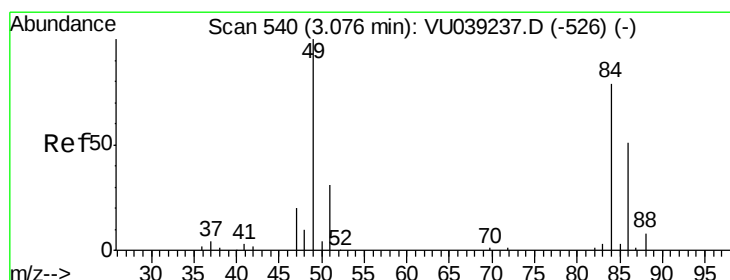
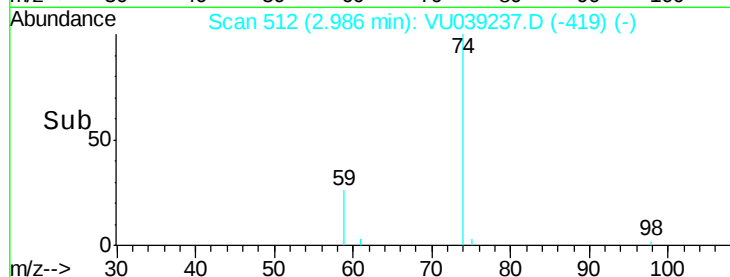
15000

10000

5000

0

Time-->



#16

Methylene chloride

Concen: 4.640 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

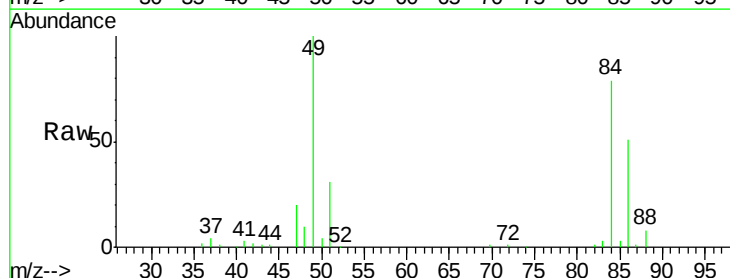
Tgt Ion: 84 Resp: 93046

Ion Ratio Lower Upper

84 100

86 64.2 44.9 83.5

49 126.3 88.4 164.2



Abundance Ion 84.05 (83.75 to 84.75): VU039237.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU039237.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU039237.D (-526) (-)

3.08

80000

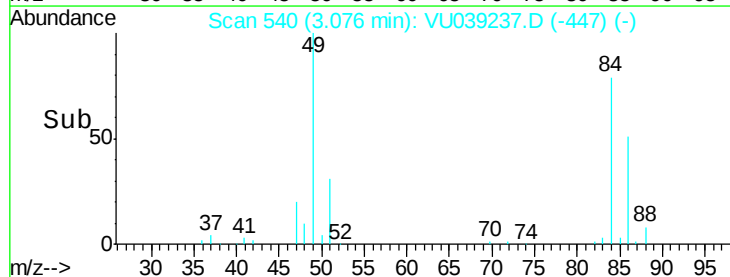
60000

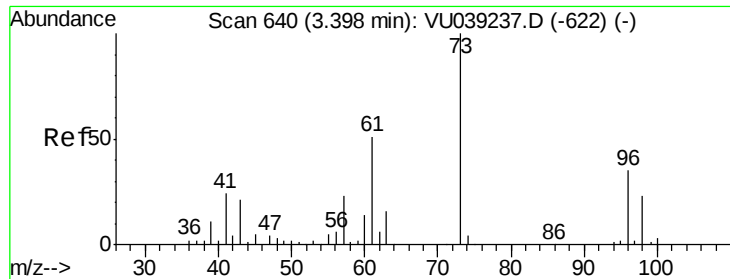
40000

20000

0

Time-->

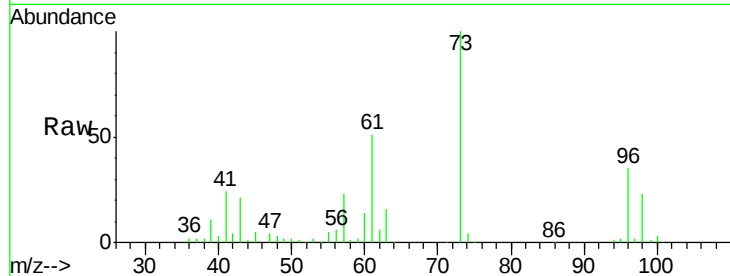




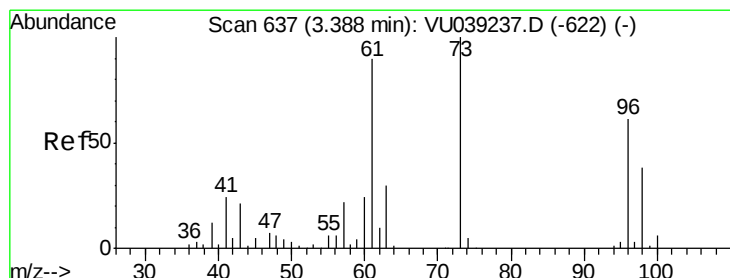
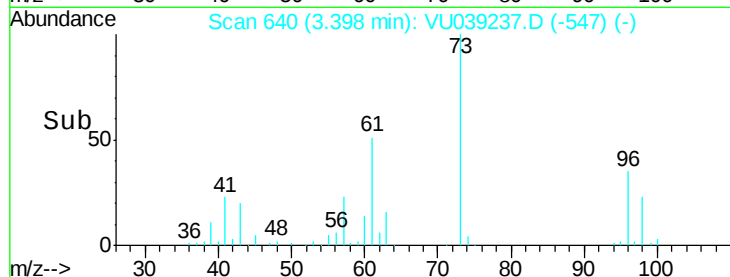
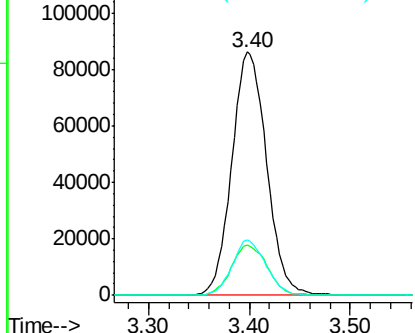
#17
Methyl tert-butyl Ether
Concen: 4.618 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 73 Resp: 206449
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.0
57 22.0 17.6 26.4

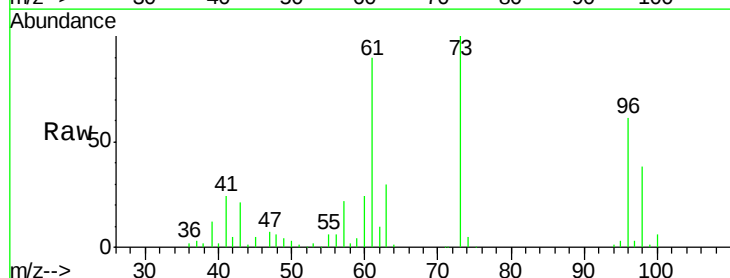


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

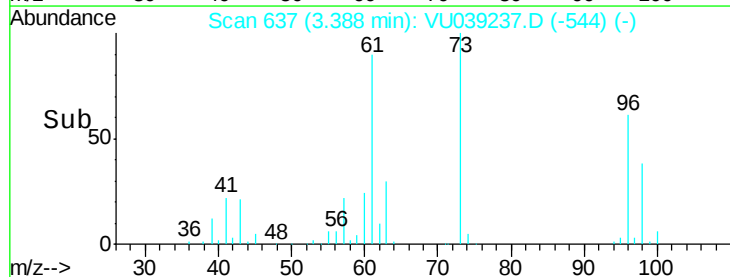
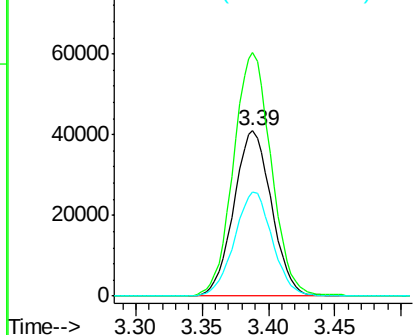


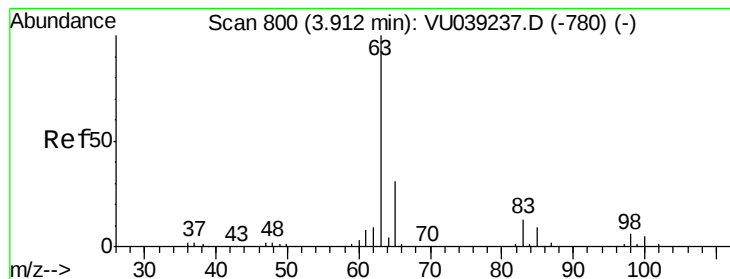
#18
trans-1,2-Dichloroethene
Concen: 4.597 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Tgt Ion: 96 Resp: 81161
Ion Ratio Lower Upper
96 100
61 147.5 103.3 191.8
98 62.9 44.0 81.8



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





#19

1,1-Dichloroethane

Concen: 4.578 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

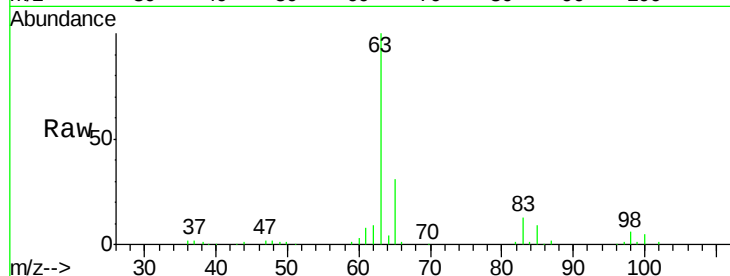
Tgt Ion: 63 Resp: 153852

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

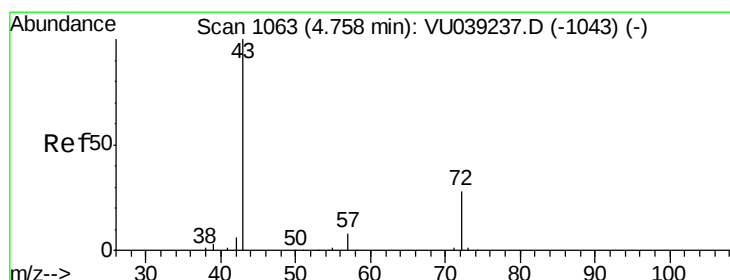
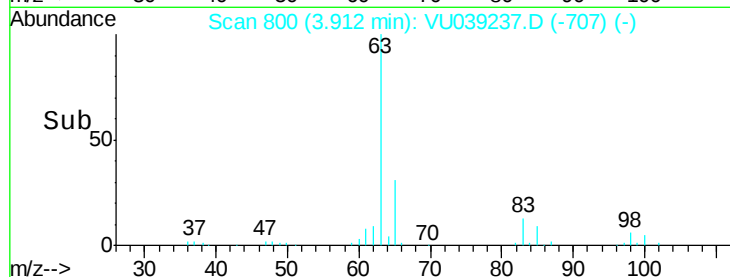
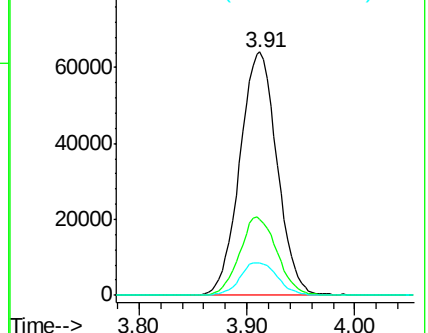
83 13.2 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU039237.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU039237.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU039237.D (-780) (-)



#21

2-Butanone

Concen: 45.069 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU039237.D

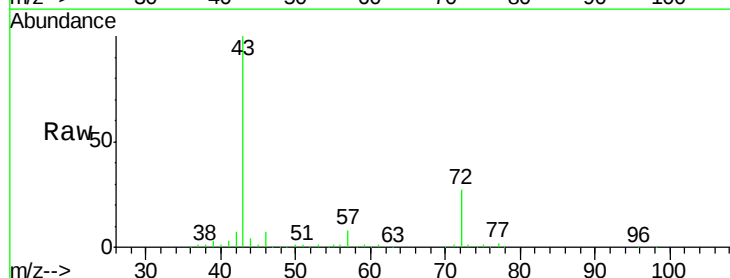
Acq: 30 Jun 2020 14:15

Tgt Ion: 43 Resp: 274551

Ion Ratio Lower Upper

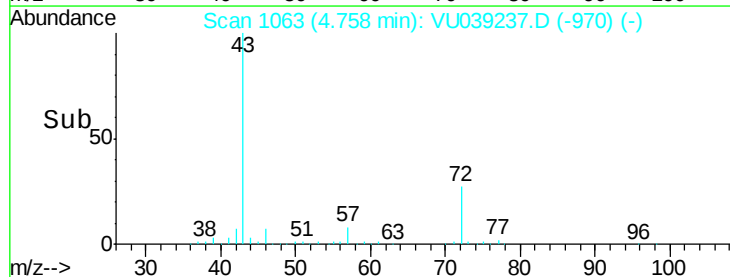
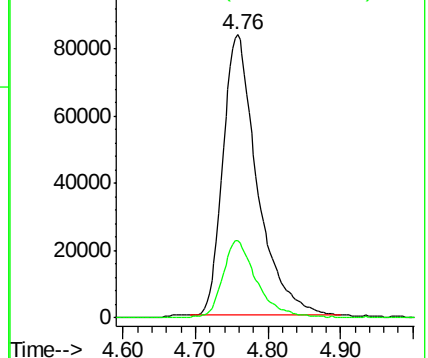
43 100

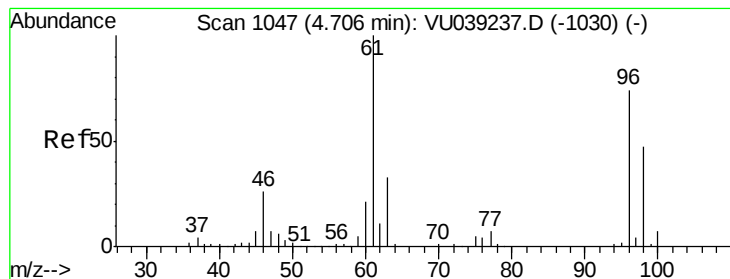
72 27.3 13.7 41.0



Abundance Ion 43.05 (42.75 to 43.75): VU039237.D (-1043) (-)

Ion 72.10 (71.80 to 72.80): VU039237.D (-1043) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.755 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

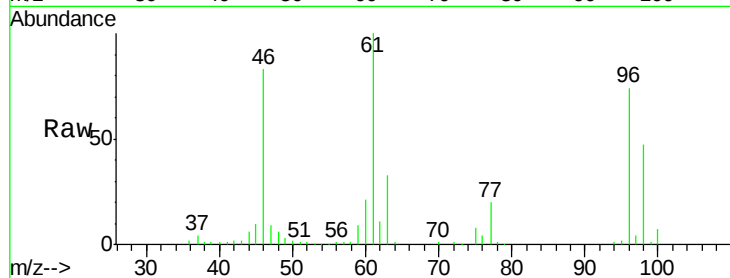
Tgt Ion: 96 Resp: 84396

Ion Ratio Lower Upper

96 100

61 134.6 94.2 175.0

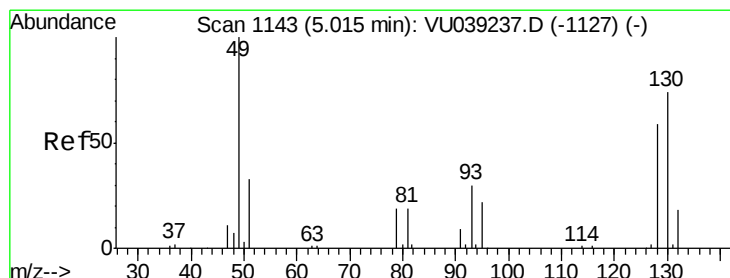
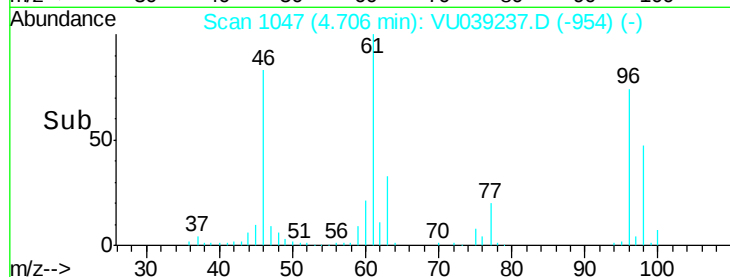
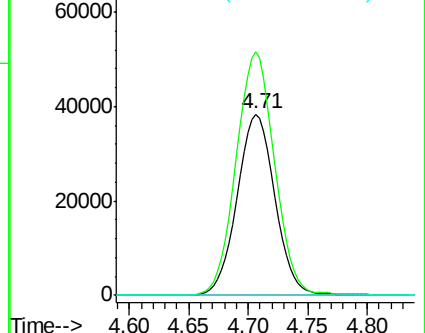
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039237.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU039237.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU039237.D (-1030) (-)



#23

Bromochloromethane

Concen: 4.692 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Tgt Ion: 128 Resp: 40351

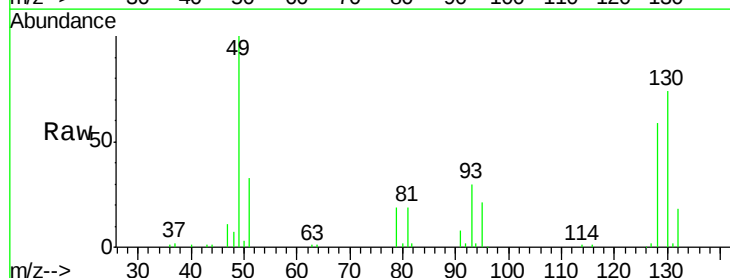
Ion Ratio Lower Upper

128 100

49 170.1 119.1 221.1

130 125.5 87.8 163.2

51 56.5 45.2 67.8

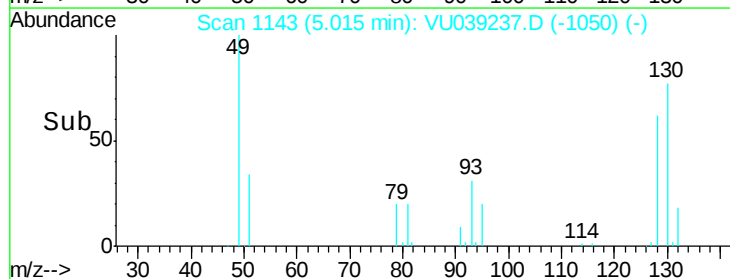
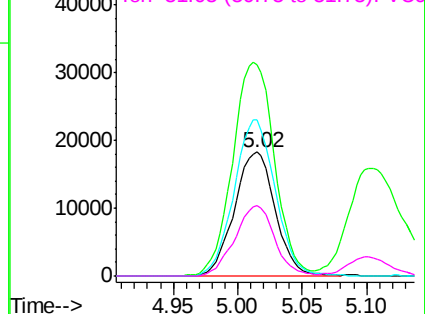


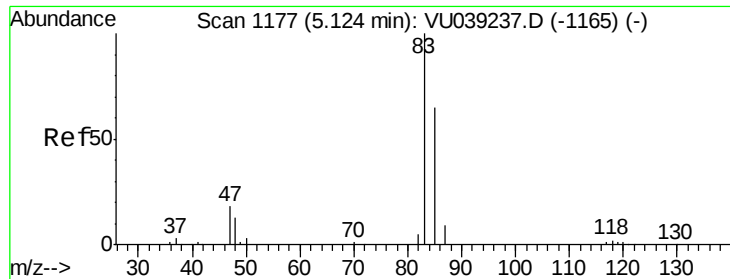
Abundance Ion 127.90 (127.60 to 128.60): VU039237.D (-1127) (-)

Ion 49.10 (48.80 to 49.80): VU039237.D (-1127) (-)

Ion 129.95 (129.65 to 130.65): VU039237.D (-1127) (-)

Ion 51.05 (50.75 to 51.75): VU039237.D (-1127) (-)

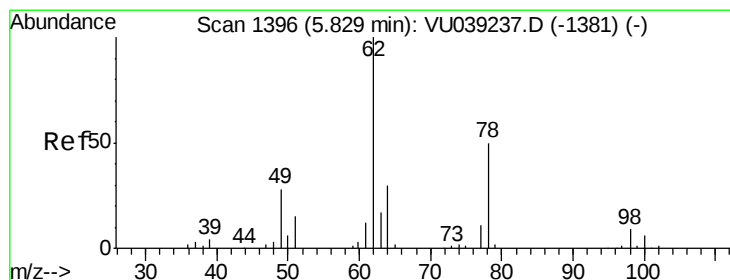
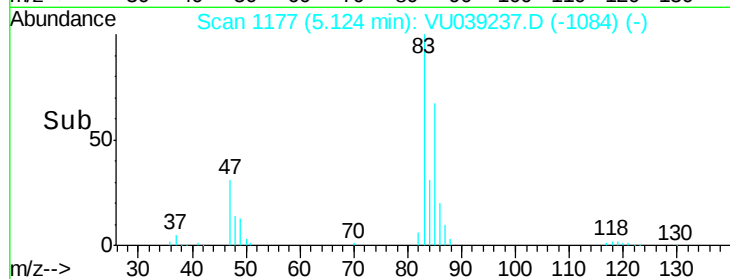
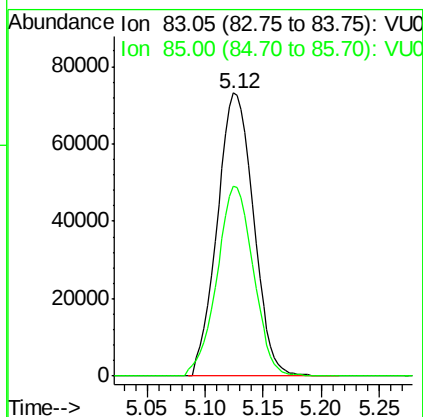
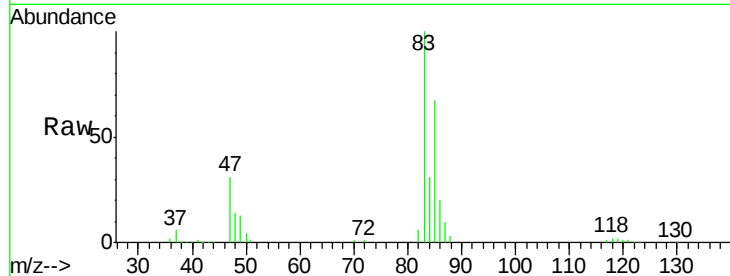




#25
Chloroform
Concen: 4.717 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

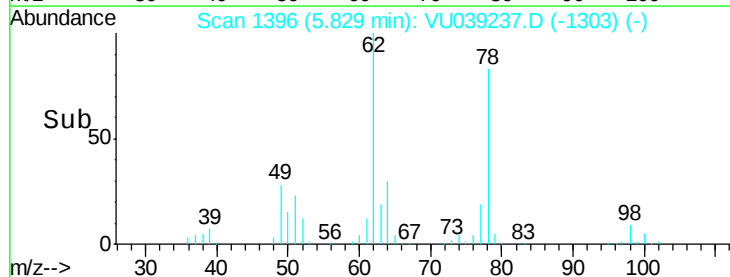
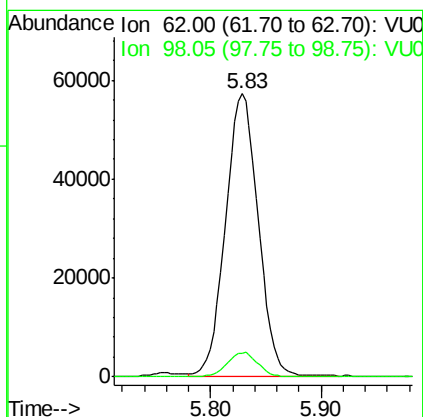
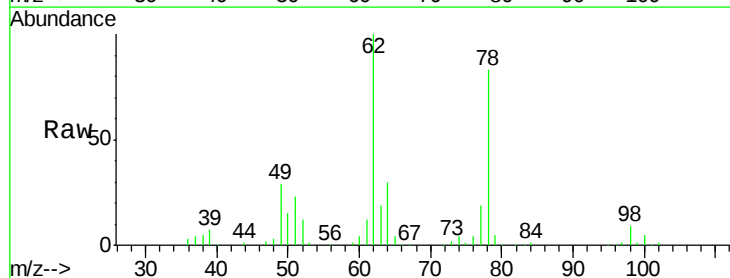
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

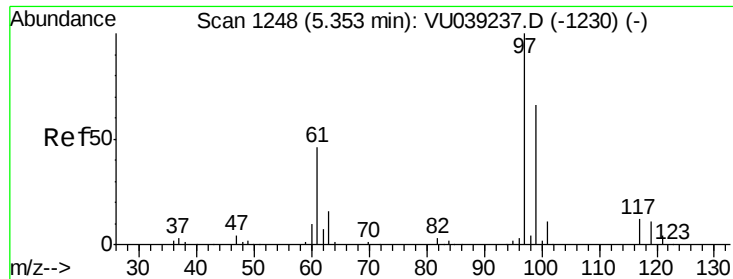
Tgt Ion: 83 Resp: 158790
Ion Ratio Lower Upper
83 100
85 67.2 47.0 87.4



#27
1,2-Dichloroethane
Concen: 4.683 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Tgt Ion: 62 Resp: 116789
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2

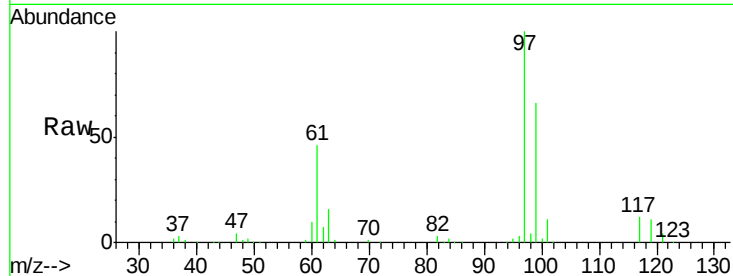




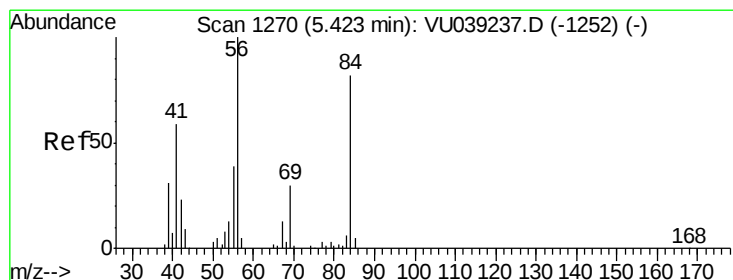
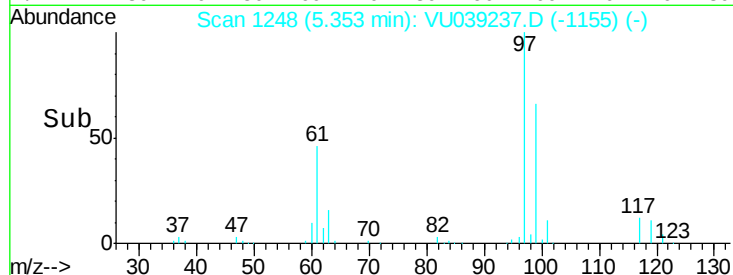
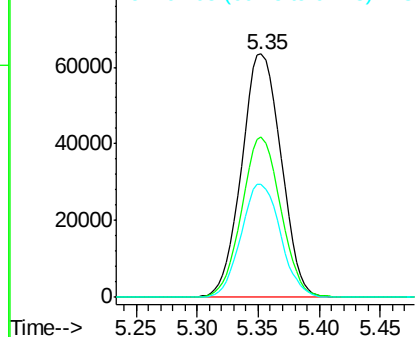
#29
1,1,1-Trichloroethane
Concen: 4.418 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 97 Resp: 142211
Ion Ratio Lower Upper
97 100
99 65.2 52.2 78.2
61 46.5 37.2 55.8

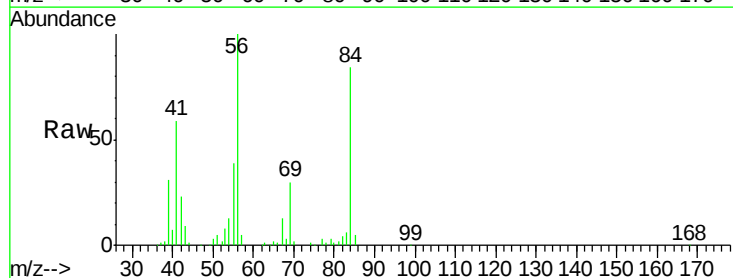


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

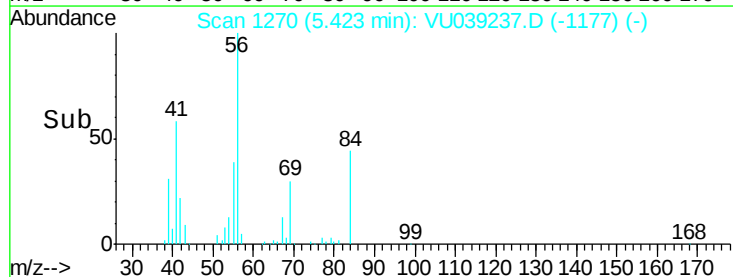
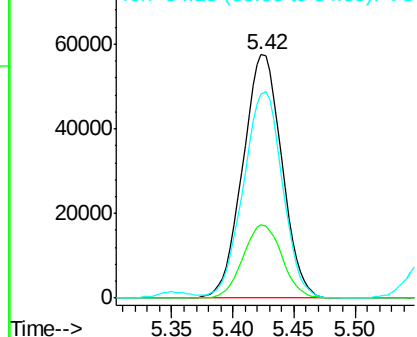


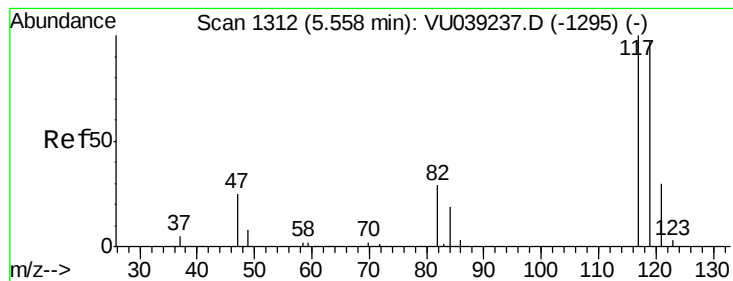
#30
Cyclohexane
Concen: 4.265 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Tgt Ion: 56 Resp: 127283
Ion Ratio Lower Upper
56 100
69 29.9 23.9 35.9
84 85.1 68.1 102.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.476 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

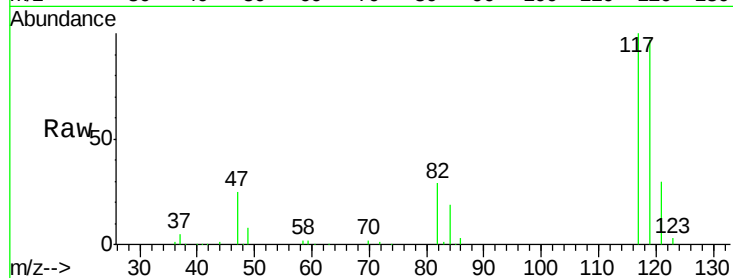
VSTD00505

Tgt Ion:117 Resp: 121339

Ion Ratio Lower Upper

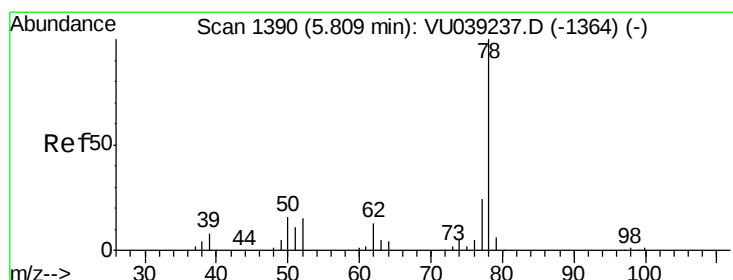
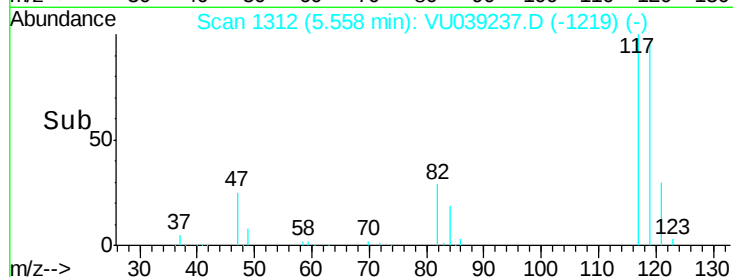
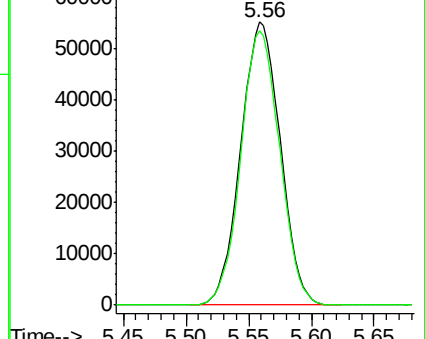
117 100

119 95.4 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.374 ug/L

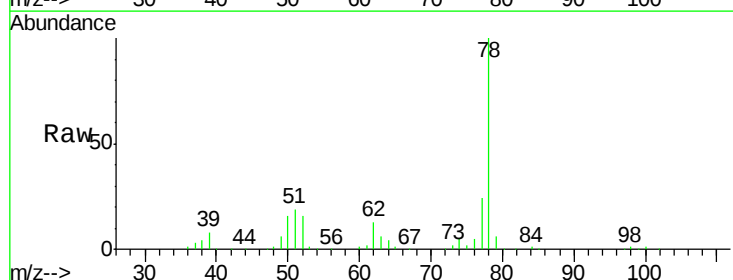
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

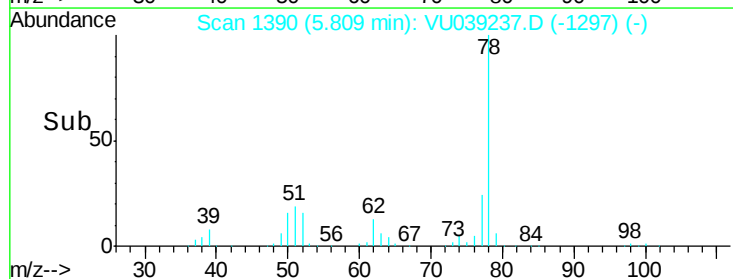
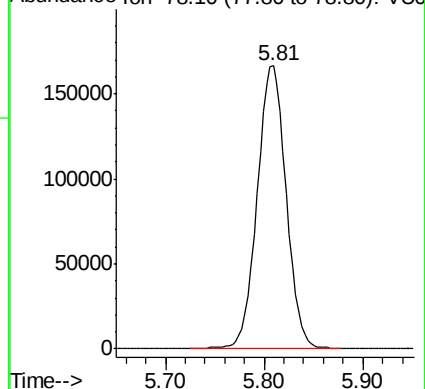
Lab File: VU039237.D

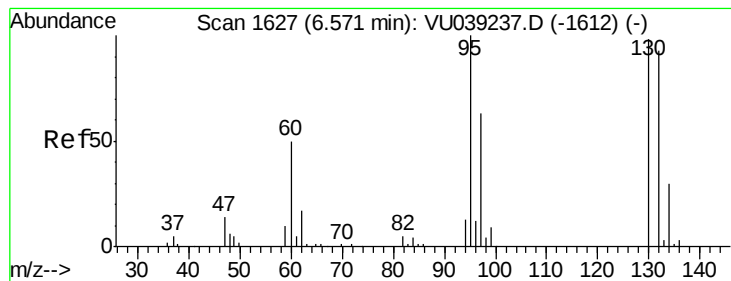
Acq: 30 Jun 2020 14:15

Tgt Ion: 78 Resp: 336874



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.301 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 95 Resp: 84766

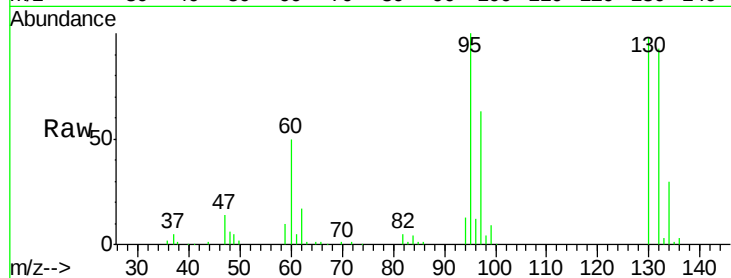
Ion Ratio Lower Upper

95 100

97 62.9 44.0 81.8

132 92.7 64.9 120.5

130 98.1 68.7 127.5

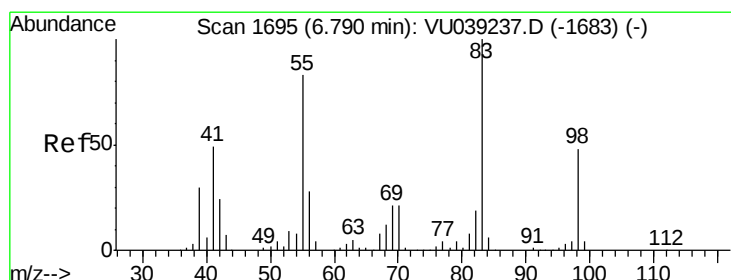
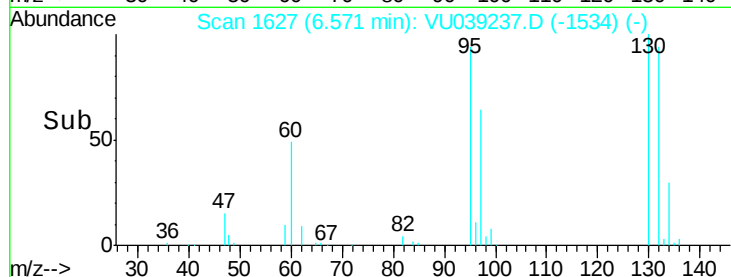
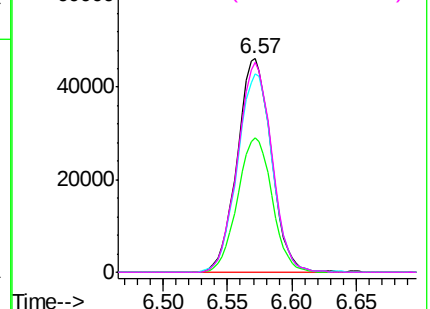


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.413 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

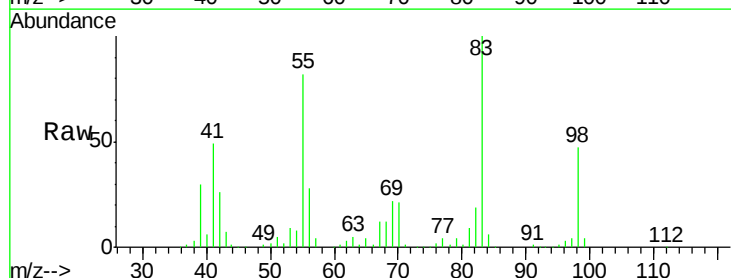
Tgt Ion: 83 Resp: 128964

Ion Ratio Lower Upper

83 100

55 80.5 64.4 96.6

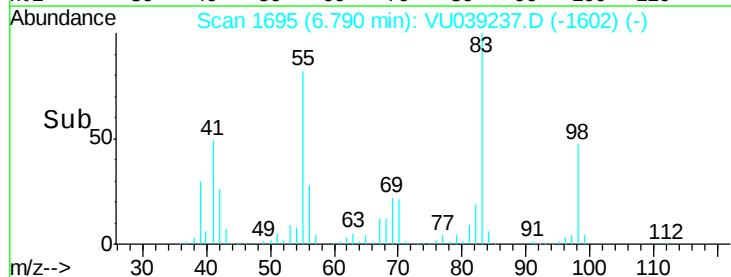
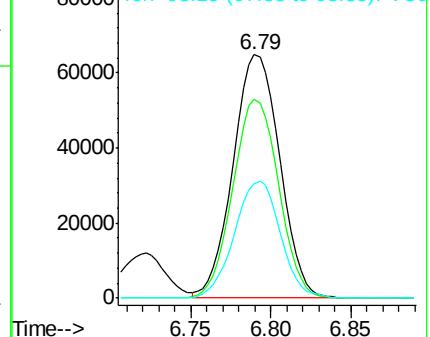
98 47.4 37.9 56.9

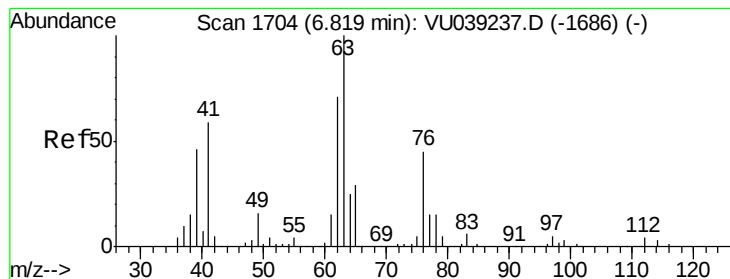


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.296 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

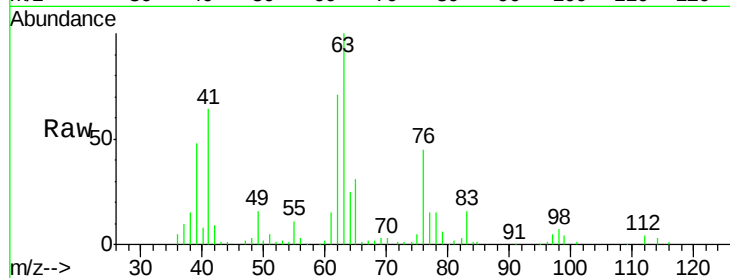
VSTD00505

Tgt Ion: 63 Resp: 87410

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU039237.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU039237.D (-1686) (-)

6.82

50000

40000

30000

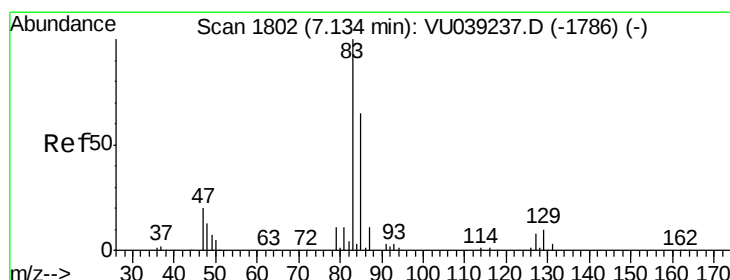
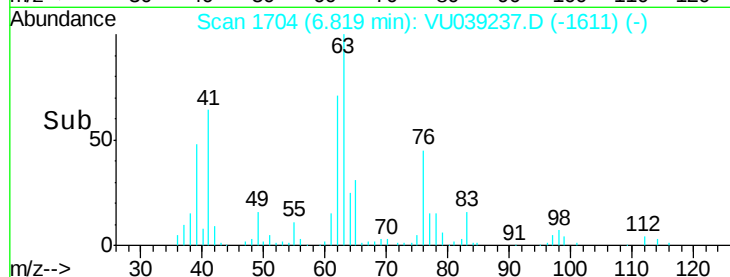
20000

10000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.783 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

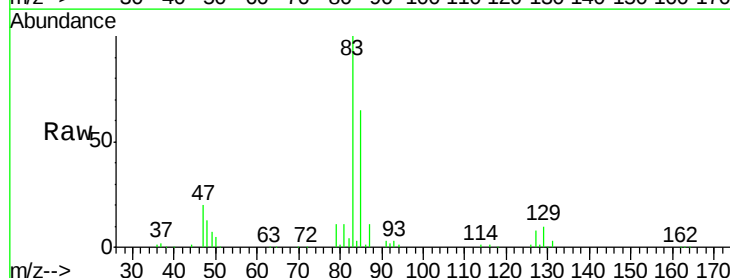
Tgt Ion: 83 Resp: 126641

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

127 7.6 6.1 9.1



Abundance Ion 82.95 (82.65 to 83.65): VU039237.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU039237.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU039237.D (-1786) (-)

7.13

80000

60000

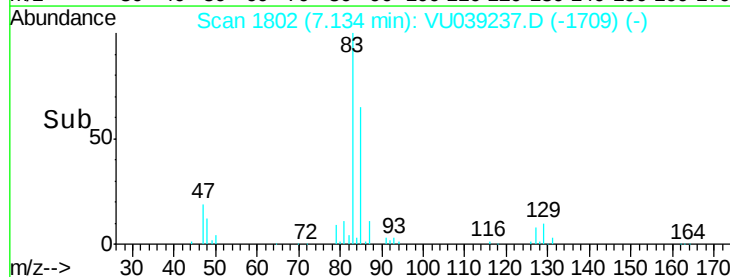
40000

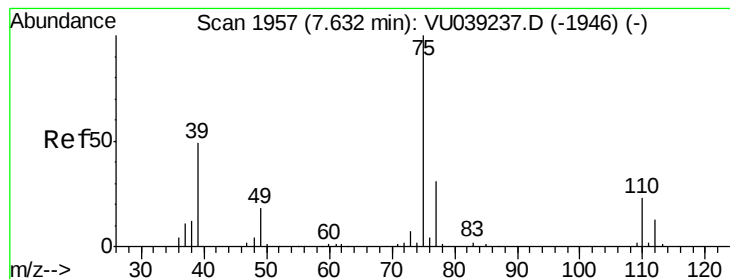
20000

0

7.05 7.10 7.15 7.20

Time-->



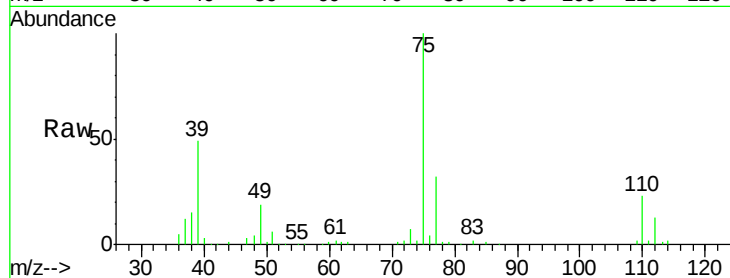


#39

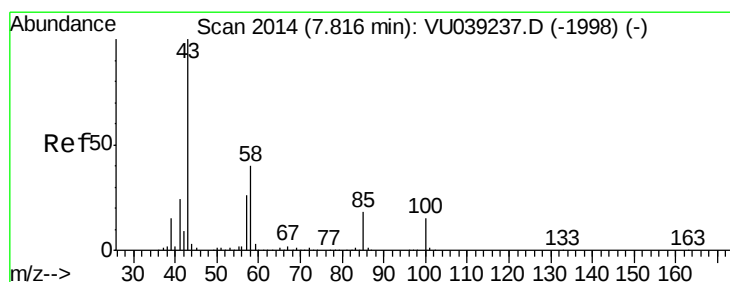
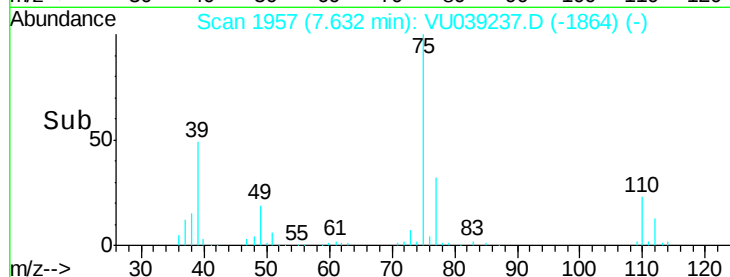
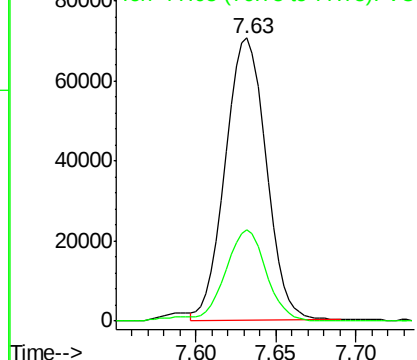
cis-1,3-Dichloropropene
Concen: 4.244 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion: 75 Resp: 12352
Ion Ratio Lower Upper
75 100
77 32.1 22.5 41.7



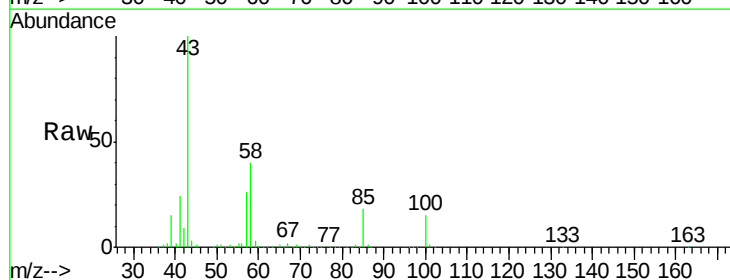
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



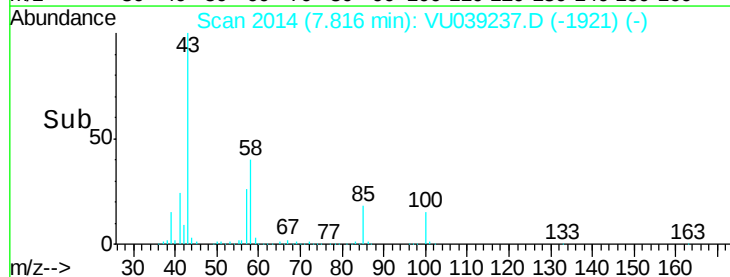
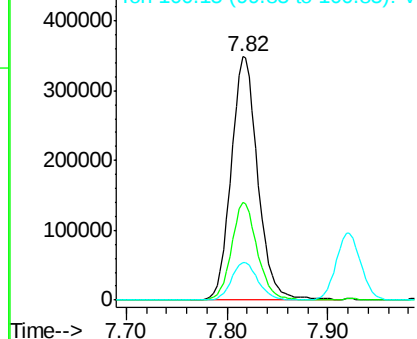
#40

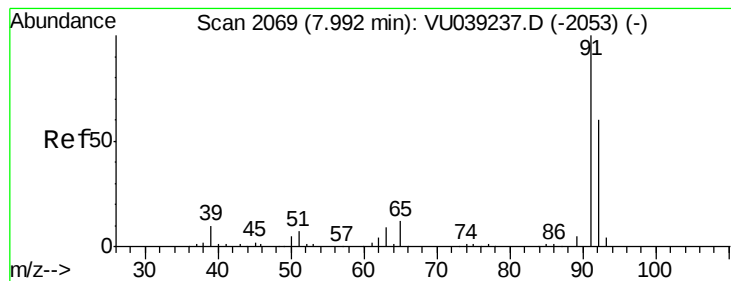
4-Methyl-2-pentanone
Concen: 43.712 ug/L
RT: 7.82 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Tgt Ion: 43 Resp: 641179
Ion Ratio Lower Upper
43 100
58 38.9 31.1 46.7
100 15.5 12.4 18.6



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





#42

Toluene

Concen: 4.561 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

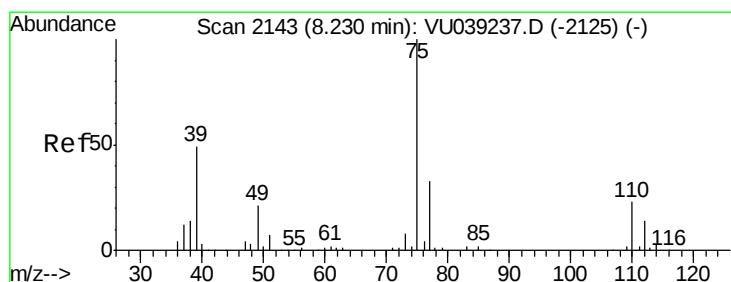
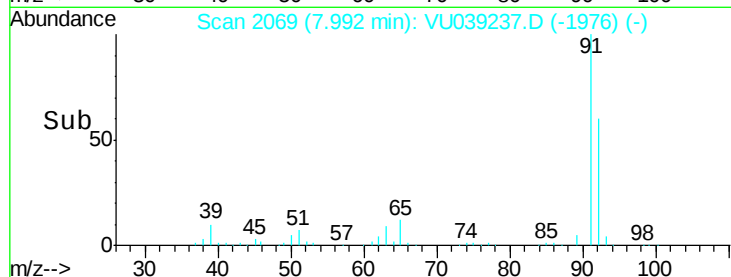
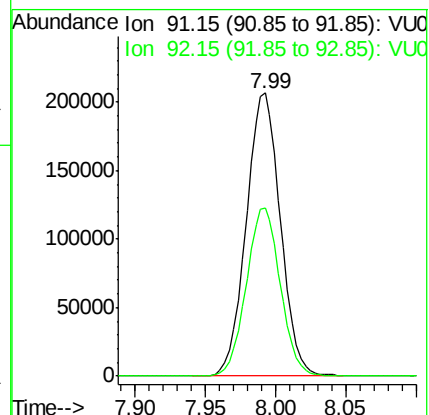
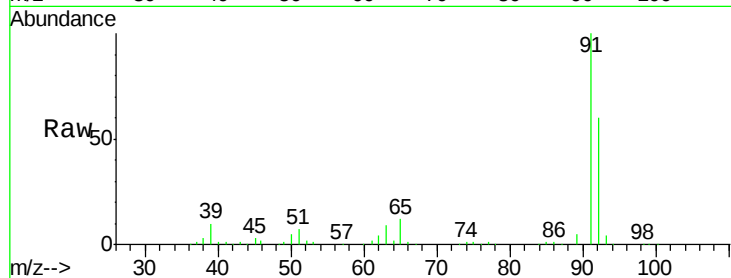
VSTD00505

Tgt Ion: 91 Resp: 350577

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 4.165 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039237.D

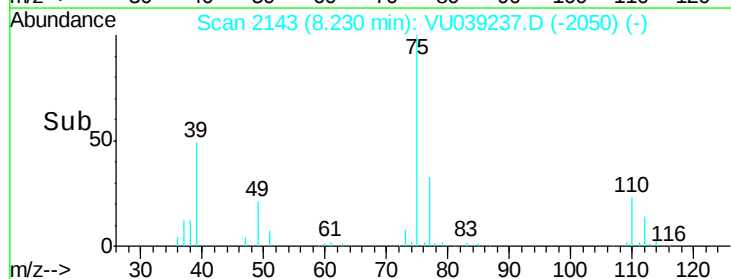
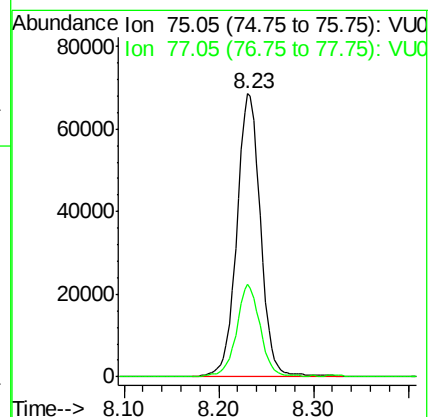
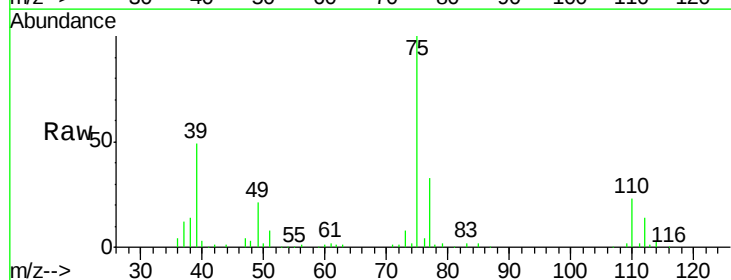
Acq: 30 Jun 2020 14:15

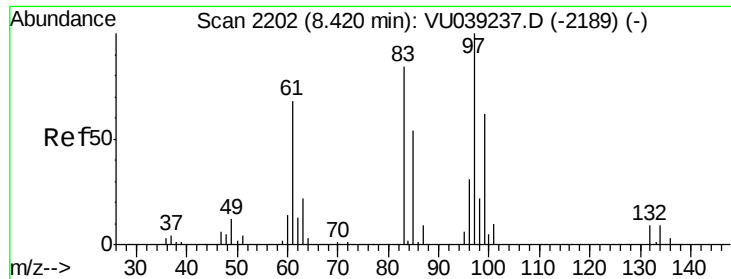
Tgt Ion: 75 Resp: 119639

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5

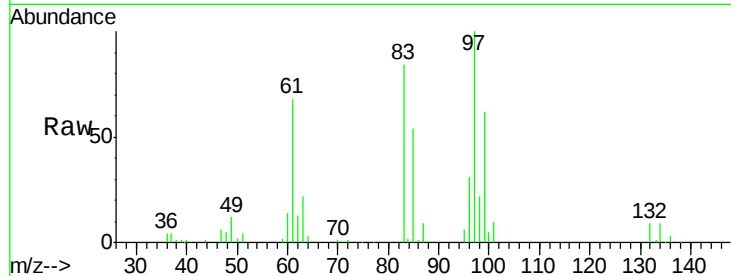




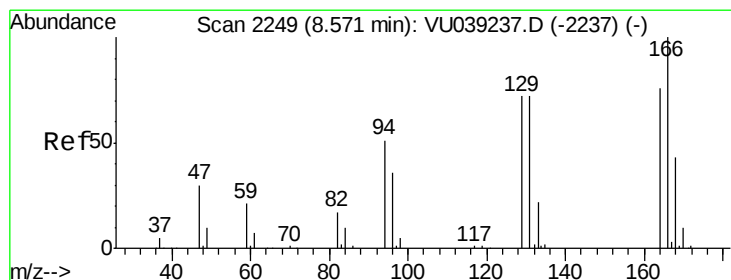
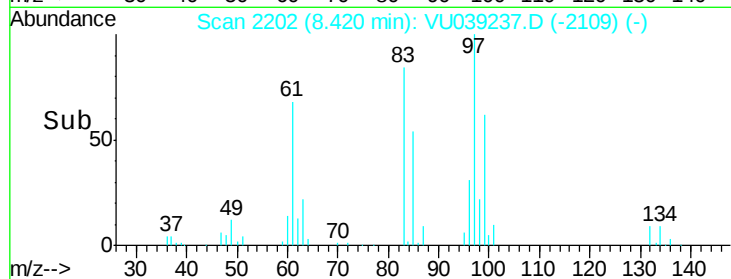
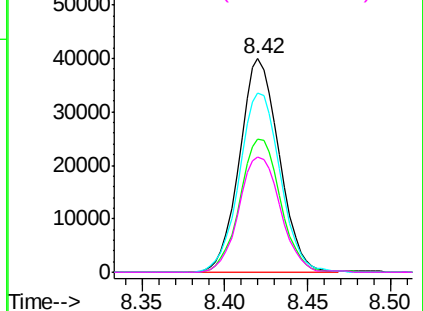
#45
 1,1,2-Trichloroethane
 Concen: 4.371 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:	97	Resp:	66356
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	84.1	58.9	109.3
85	54.1	37.9	70.3

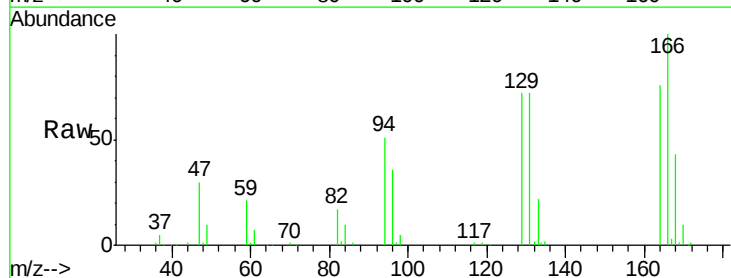


Abundance Ion 96.95 (96.65 to 97.65): VU039237.D (-2189) (-)
 Ion 99.05 (98.75 to 99.75): VU039237.D (-2189) (-)
 Ion 82.95 (82.65 to 83.65): VU039237.D (-2189) (-)
 Ion 85.00 (84.70 to 85.70): VU039237.D (-2189) (-)

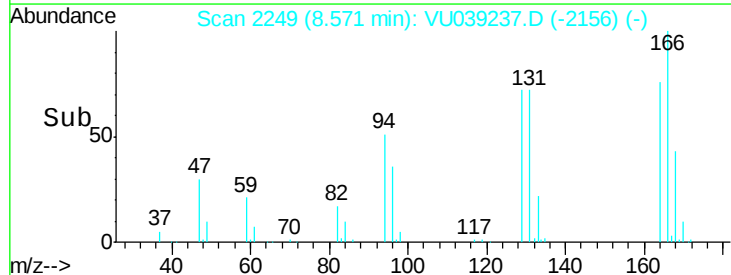
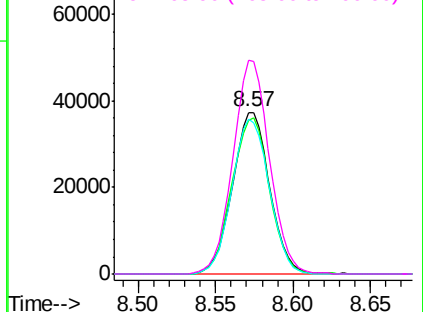


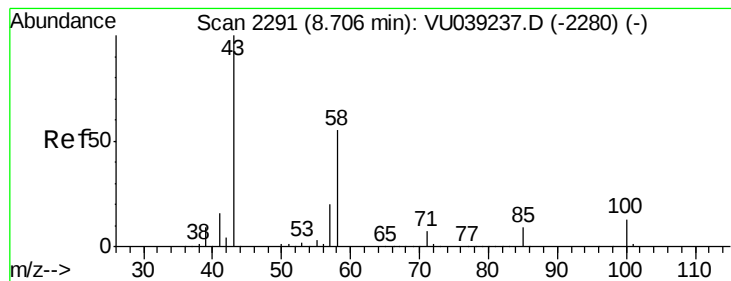
#47
 Tetrachloroethene
 Concen: 4.400 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

Tgt Ion:	164	Resp:	62298
Ion	Ratio	Lower	Upper
164	100		
129	94.9	66.4	123.4
131	95.3	66.7	123.9
166	131.9	92.3	171.5



Abundance Ion 163.90 (163.60 to 164.60): VU039237.D (-2237) (-)
 Ion 128.95 (128.65 to 129.65): VU039237.D (-2237) (-)
 Ion 130.95 (130.65 to 131.65): VU039237.D (-2237) (-)
 Ion 165.90 (165.60 to 166.60): VU039237.D (-2237) (-)





#48

2-Hexanone

Concen: 44.865 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 43 Resp: 504542

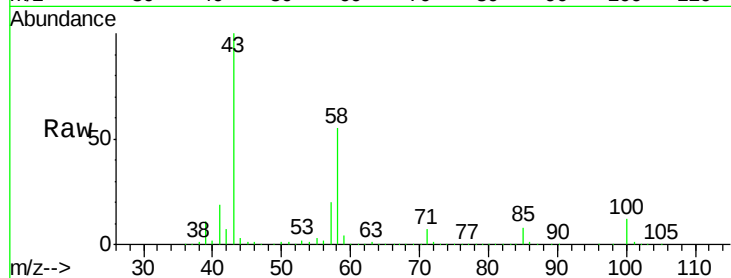
Ion Ratio Lower Upper

43 100

58 54.5 43.6 65.4

57 19.4 15.5 23.3

100 12.5 10.0 15.0

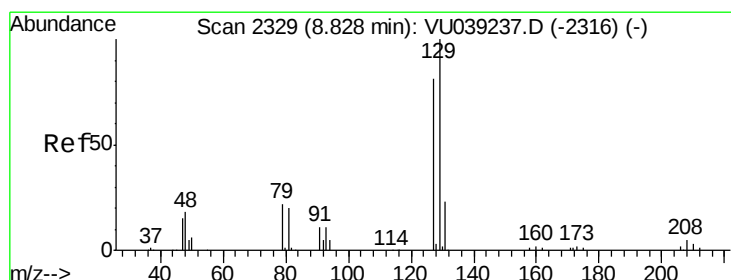
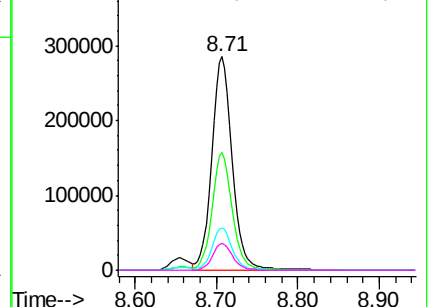
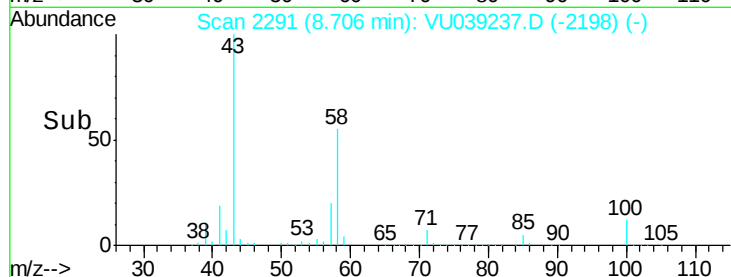


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 4.433 ug/L

RT: 8.83 min Scan# 2329

Delta R.T. 0.00 min

Lab File: VU039237.D

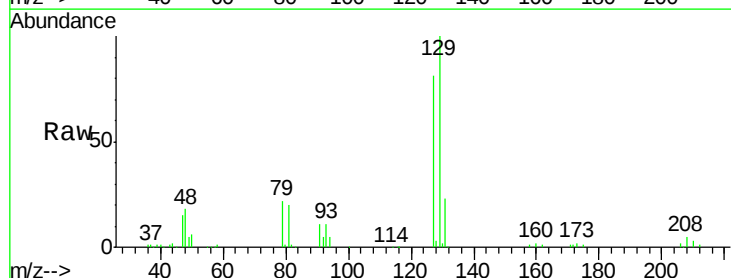
Acq: 30 Jun 2020 14:15

Tgt Ion: 129 Resp: 77854

Ion Ratio Lower Upper

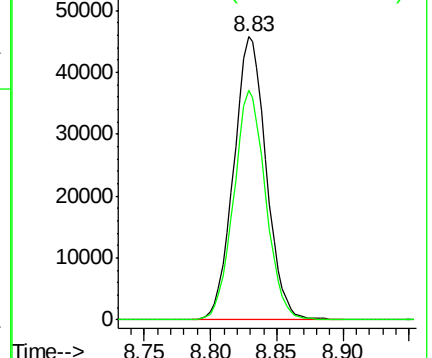
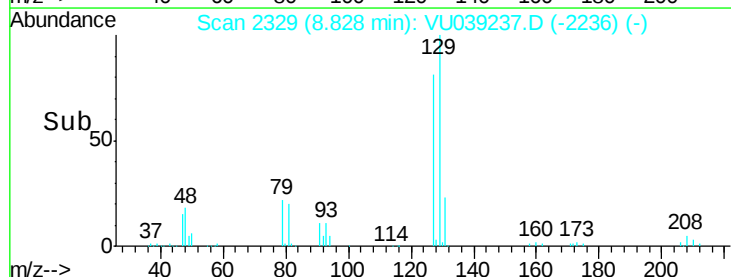
129 100

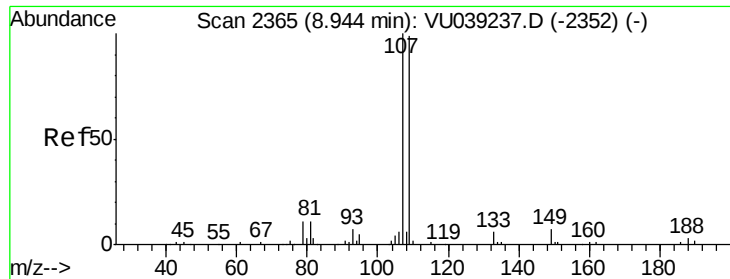
127 81.1 56.8 105.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

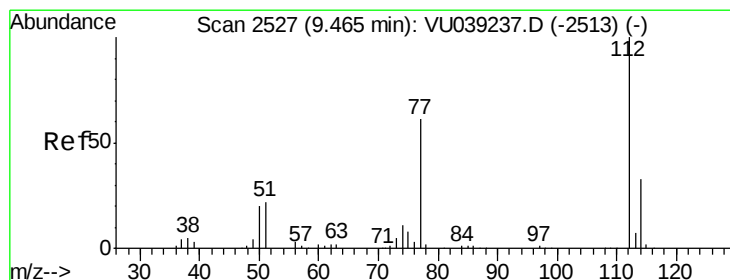
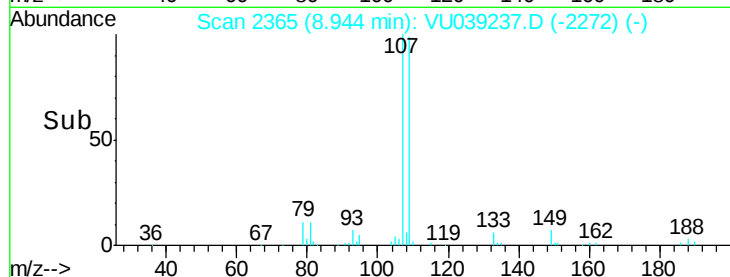
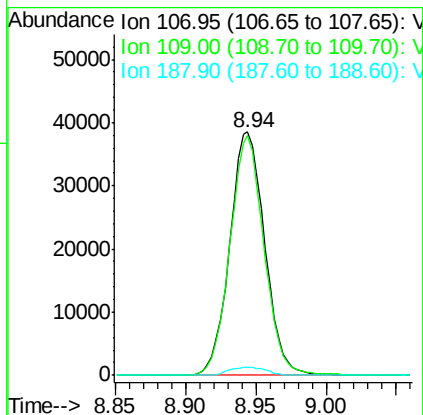
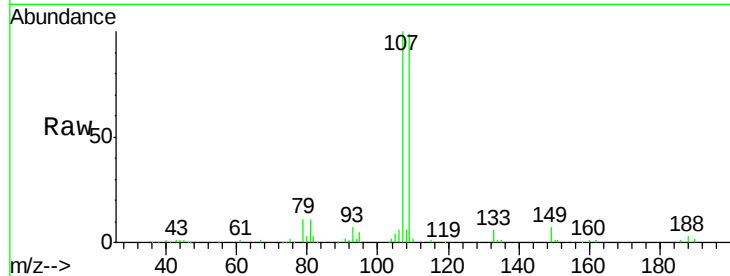




#50
 1,2-Dibromoethane
 Concen: 4.494 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

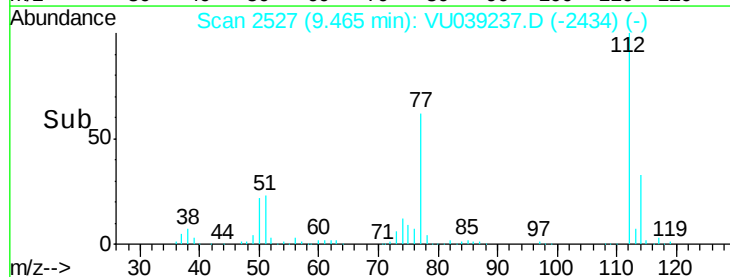
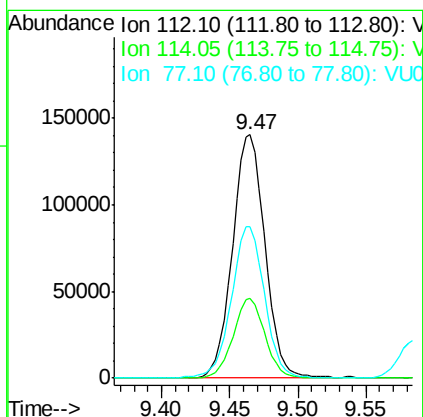
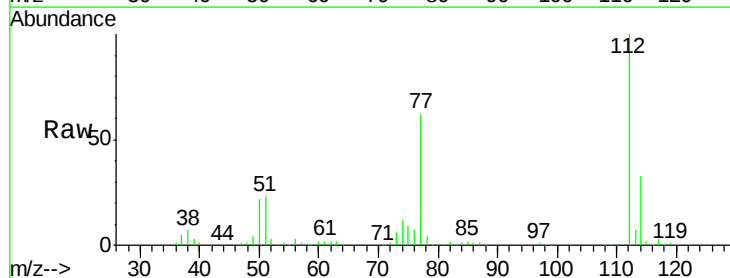
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

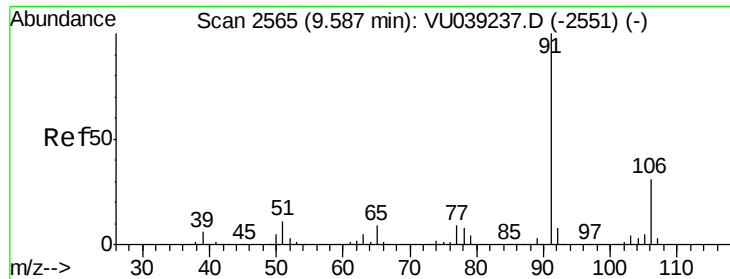
Tgt Ion:107 Resp: 66787
 Ion Ratio Lower Upper
 107 100
 109 98.5 69.0 128.1
 188 3.3 2.6 4.0



#51
 Chlorobenzene
 Concen: 4.657 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

Tgt Ion:112 Resp: 232330
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.8 42.4
 77 62.1 49.7 74.5





#52

Ethylbenzene

Concen: 4.664 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

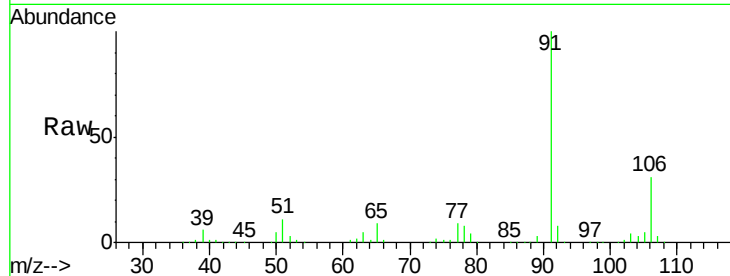
VSTD00505

Tgt Ion: 91 Resp: 390342

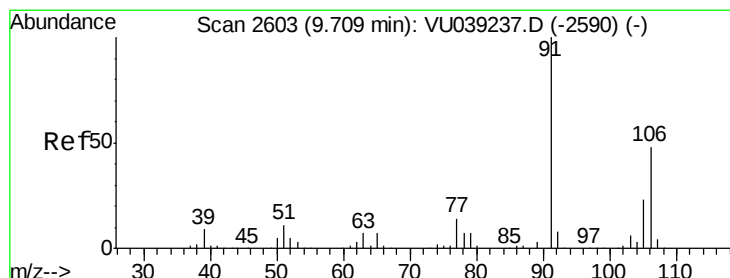
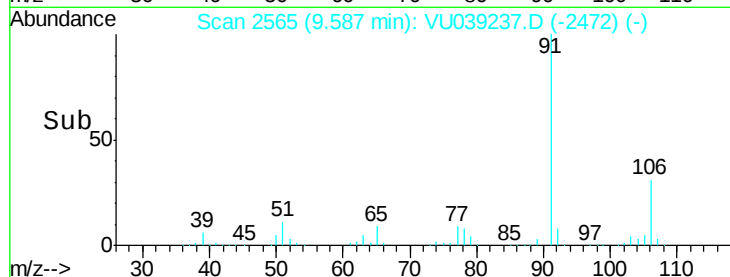
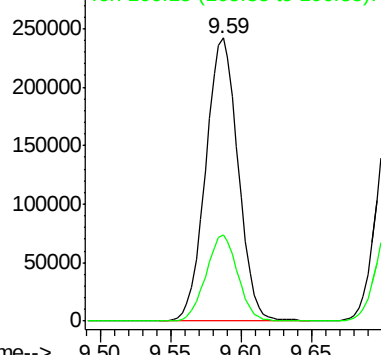
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039237.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.949 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039237.D

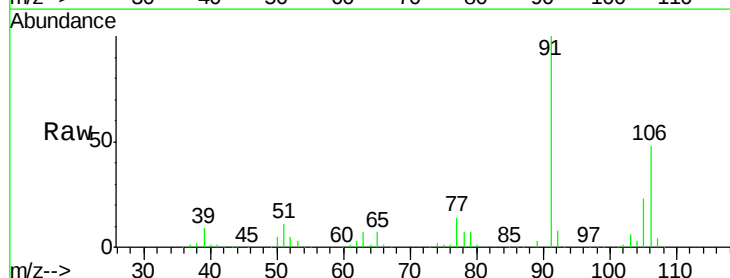
Acq: 30 Jun 2020 14:15

Tgt Ion: 106 Resp: 153096

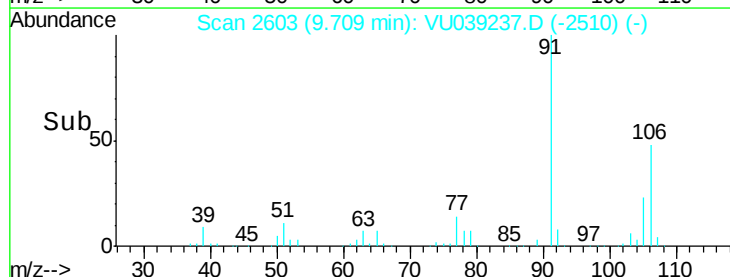
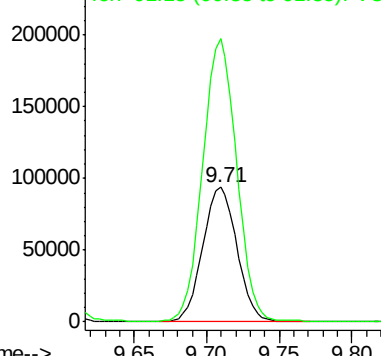
Ion Ratio Lower Upper

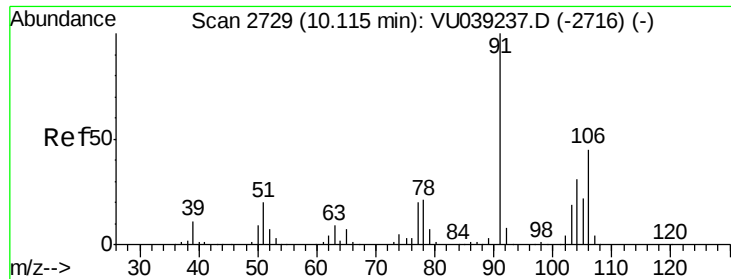
106 100

91 210.4 147.3 273.5



Abundance Ion 106.15 (105.85 to 106.85): VU039237.D (-2590) (-)

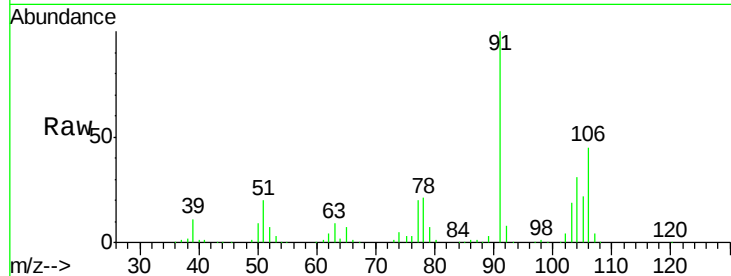




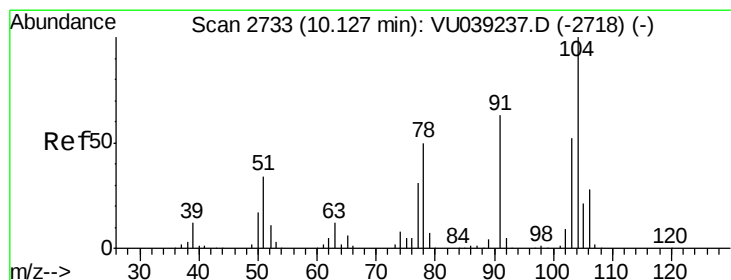
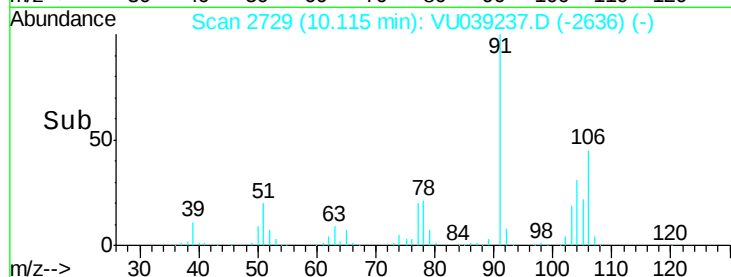
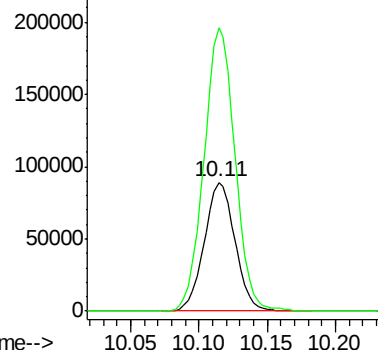
#54
o-Xylene
Concen: 4.707 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:106 Resp: 138957
Ion Ratio Lower Upper
106 100
91 220.3 154.2 286.4

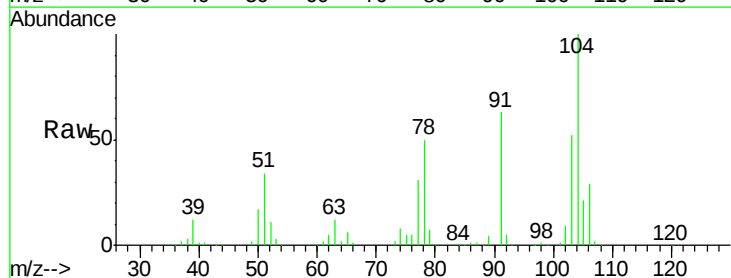


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

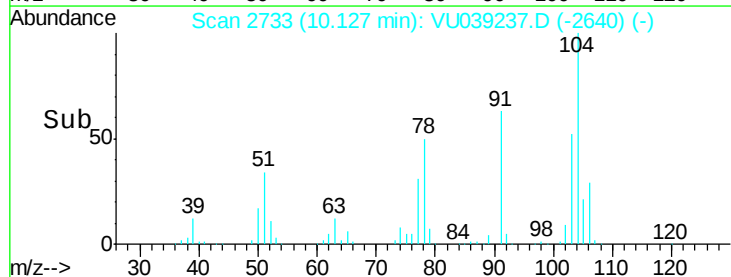
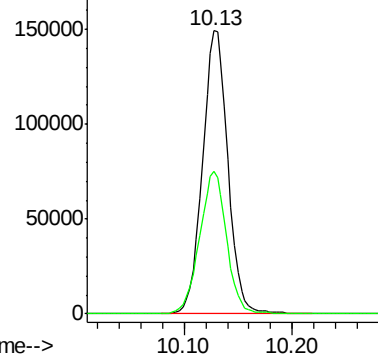


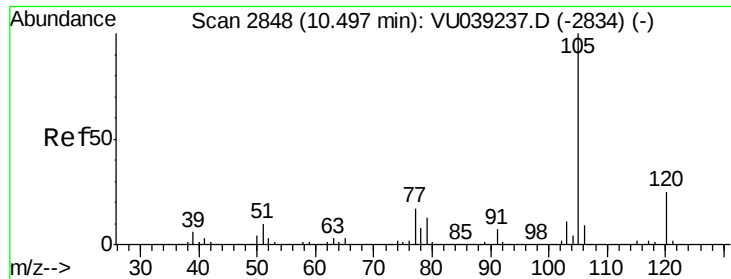
#55
Styrene
Concen: 4.778 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Tgt Ion:104 Resp: 244751
Ion Ratio Lower Upper
104 100
78 50.2 35.1 65.3



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





#56

Isopropylbenzene

Concen: 4.621 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

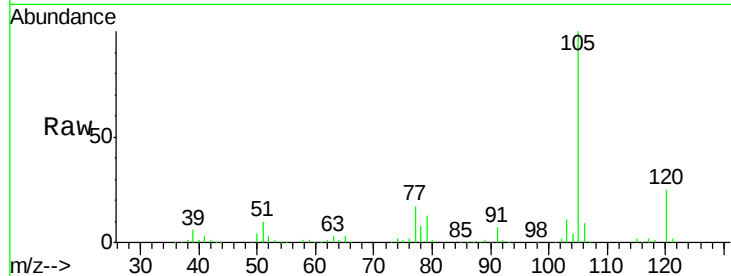
Tgt Ion: 105 Resp: 351219

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

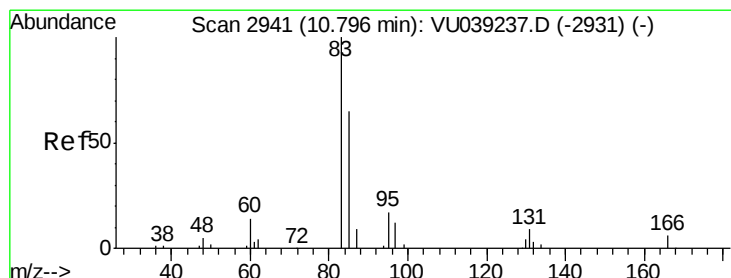
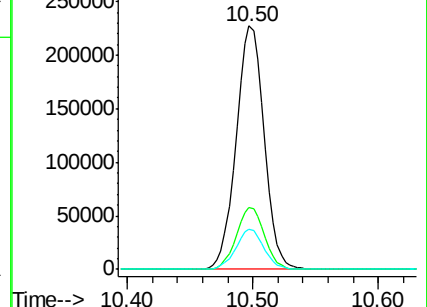
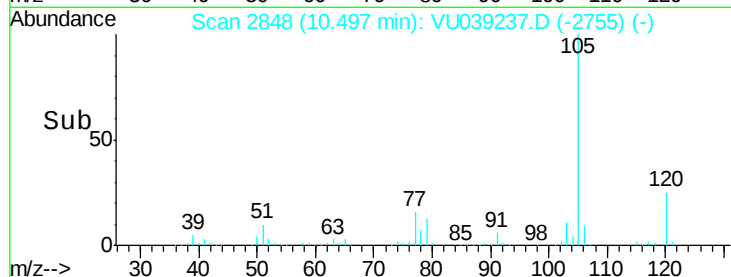
77 16.6 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.346 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

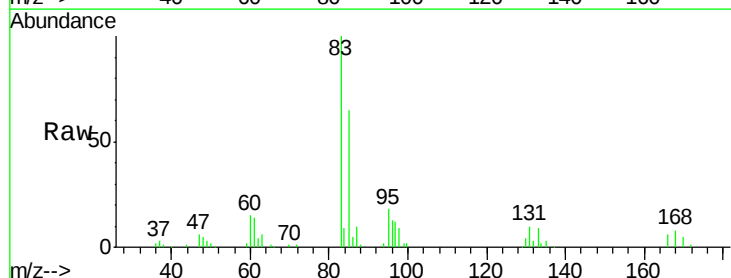
Tgt Ion: 83 Resp: 83538

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4

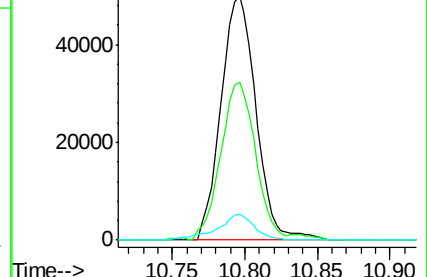
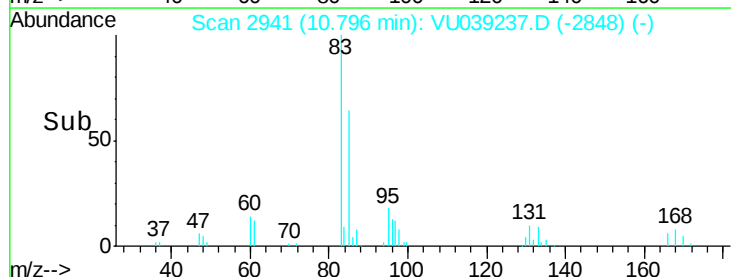
131 10.5 8.4 12.6

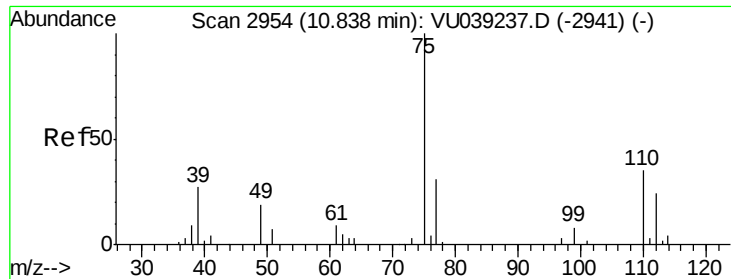


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.430 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

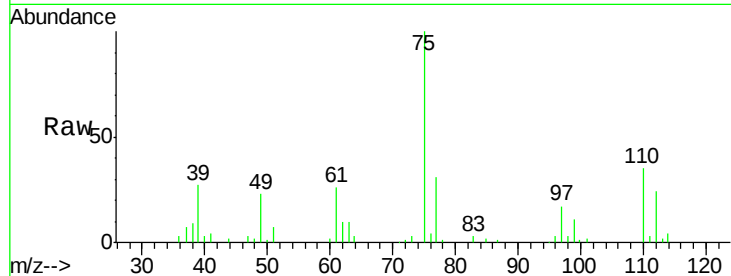
VSTD00505

Tgt Ion: 75 Resp: 66096

Ion Ratio Lower Upper

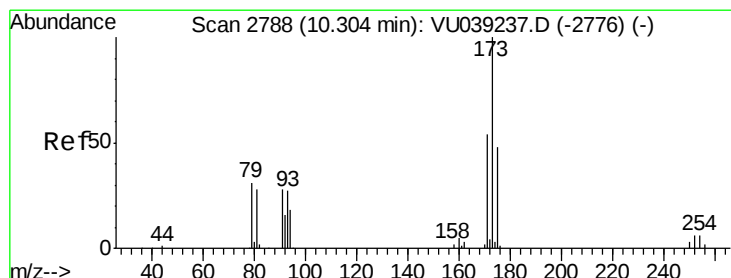
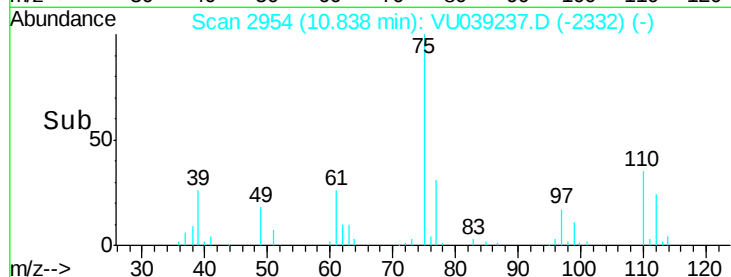
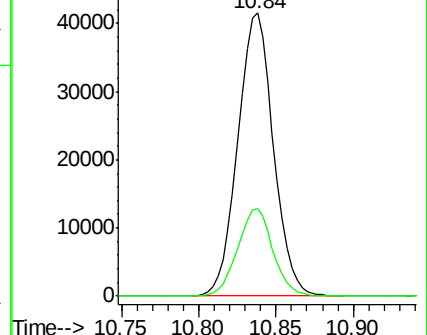
75 100

77 30.7 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU039237.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU039237.D (-2941) (-)



#61

Bromoform

Concen: 4.759 ug/L

RT: 10.30 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

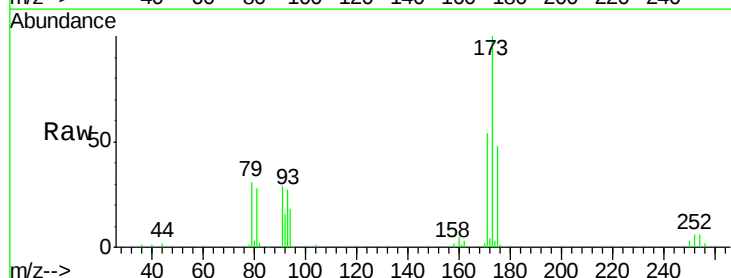
Tgt Ion: 173 Resp: 43641

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

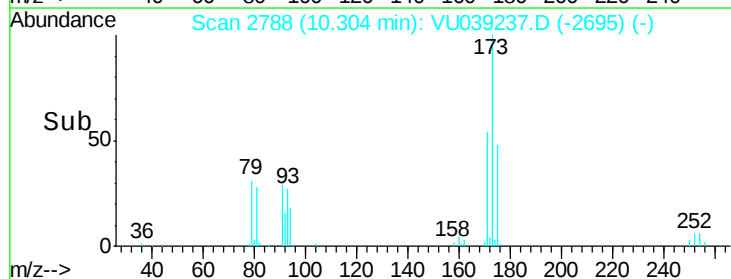
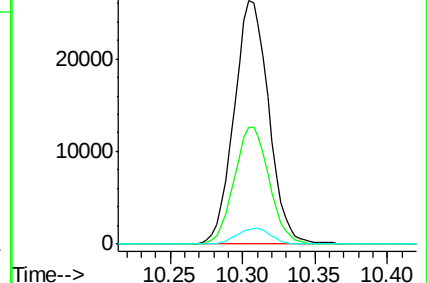
254 6.3 5.0 7.6

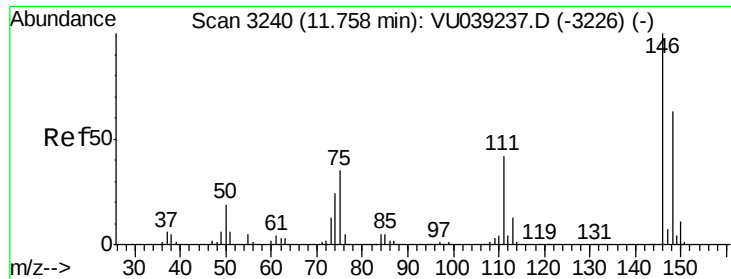


Abundance Ion 172.90 (172.60 to 173.60): VU039237.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU039237.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU039237.D (-2776) (-)





#62

1,3-Dichlorobenzene

Concen: 4.745 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

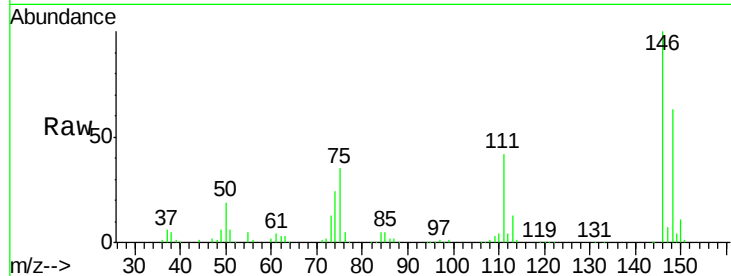
Tgt Ion:146 Resp: 171898

Ion Ratio Lower Upper

146 100

111 42.3 29.6 55.0

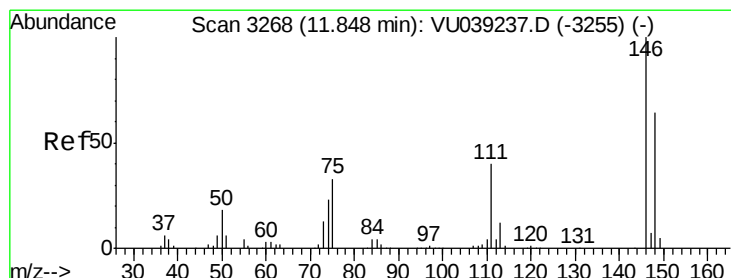
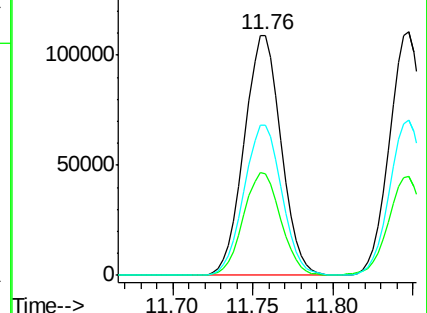
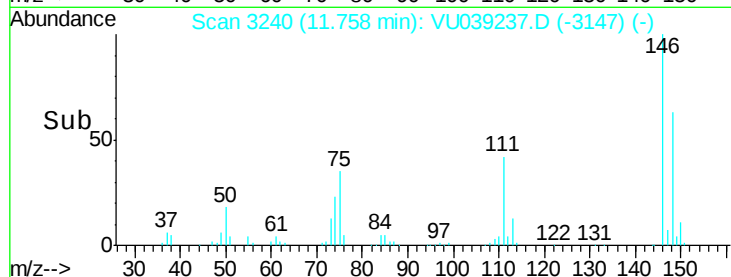
148 62.9 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.710 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

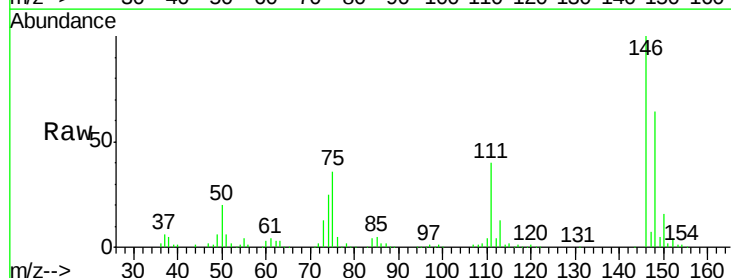
Tgt Ion:146 Resp: 172227

Ion Ratio Lower Upper

146 100

111 40.4 28.3 52.5

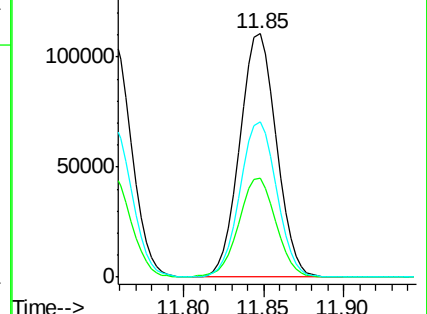
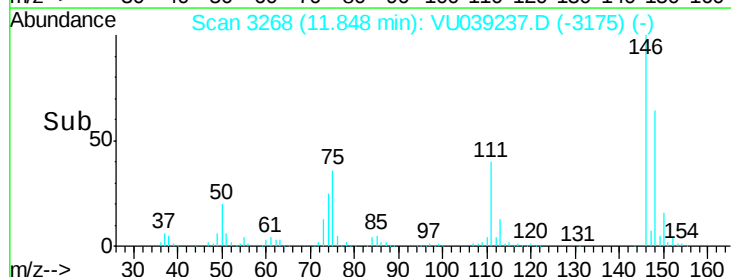
148 63.7 44.6 82.8

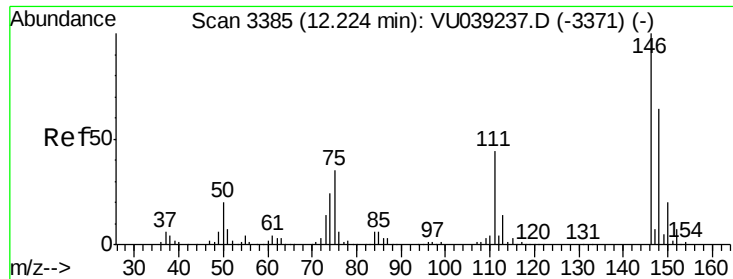


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.638 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

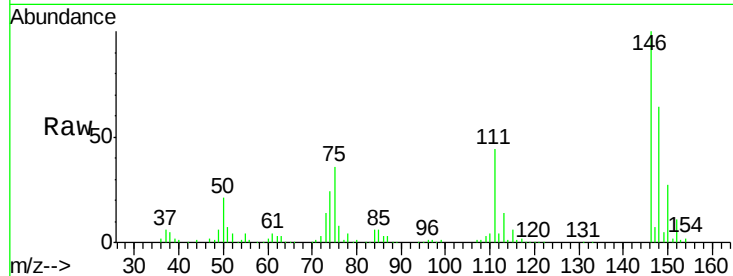
Tgt Ion:146 Resp: 161439

Ion Ratio Lower Upper

146 100

111 43.9 35.1 52.7

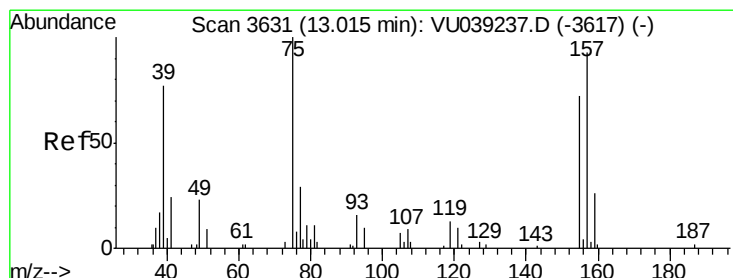
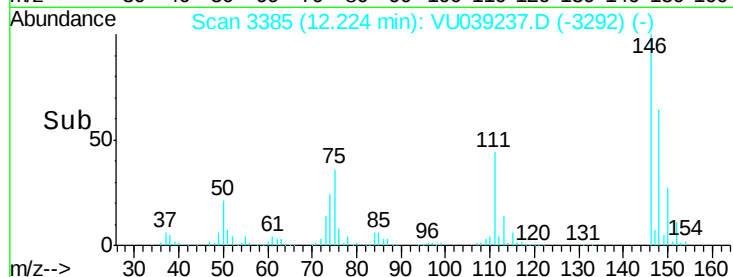
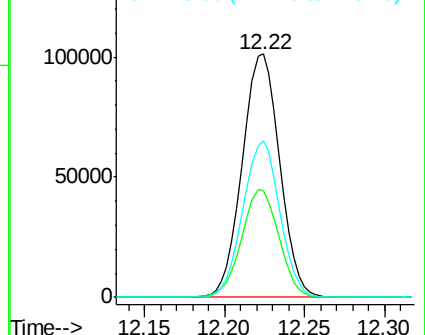
148 64.3 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.437 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU039237.D

Acq: 30 Jun 2020 14:15

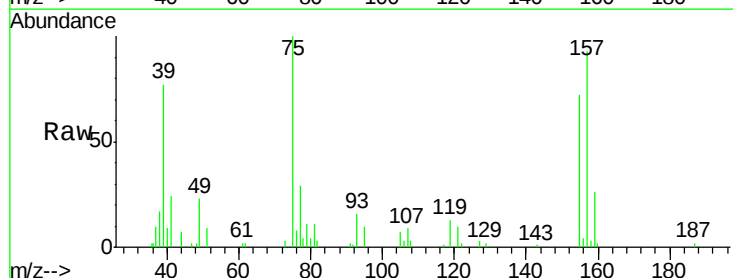
Tgt Ion: 75 Resp: 15403

Ion Ratio Lower Upper

75 100

155 72.4 57.9 86.9

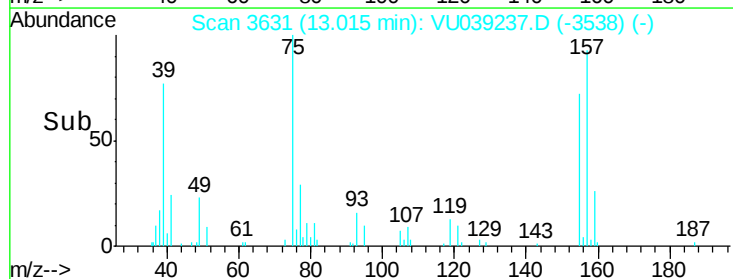
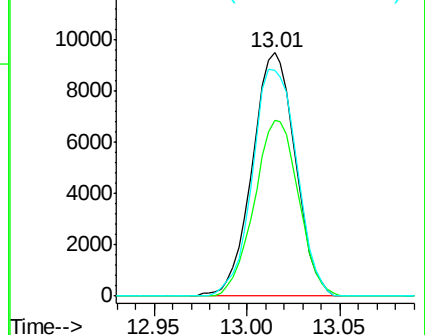
157 92.7 74.2 111.2

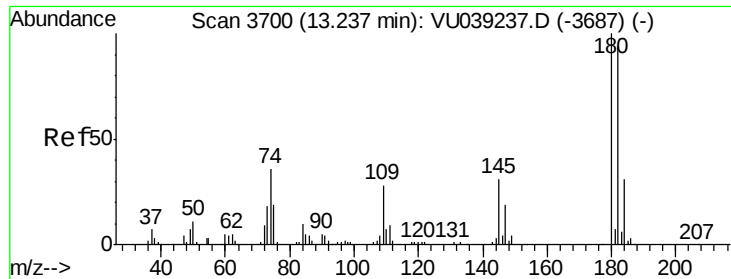


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

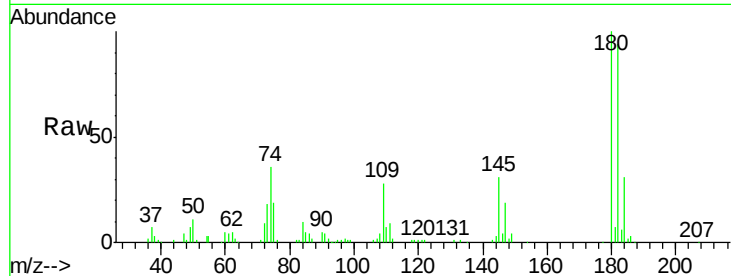




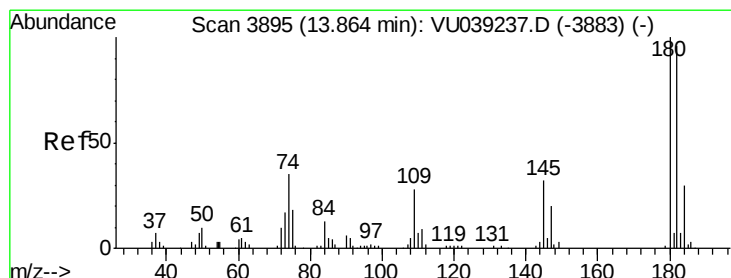
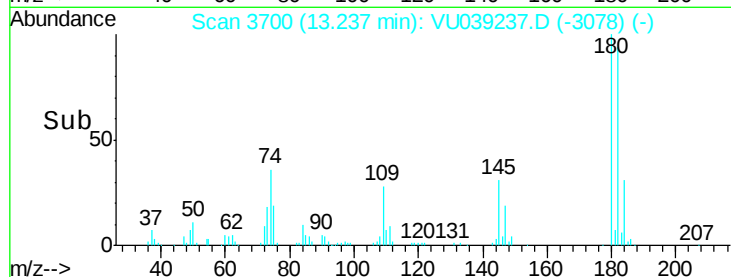
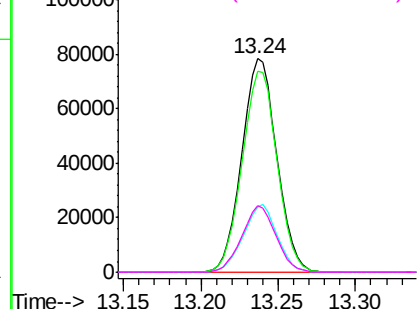
#67
 1,3,5-Trichlorobenzene
 Concen: 4.660 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:180 Resp: 122992
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.5 113.3
 184 30.8 24.6 37.0
 145 30.2 24.2 36.2

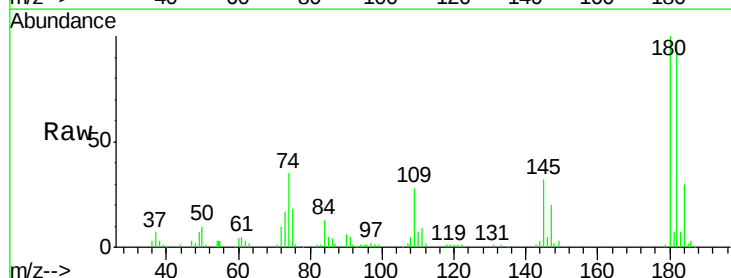


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

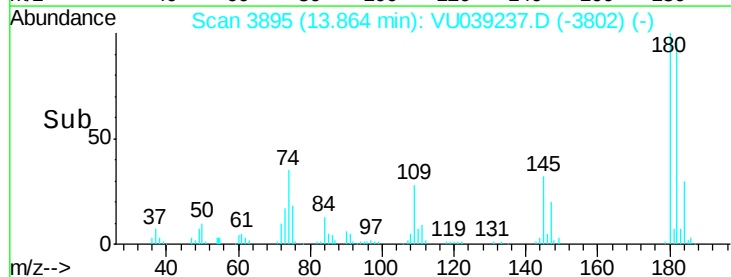
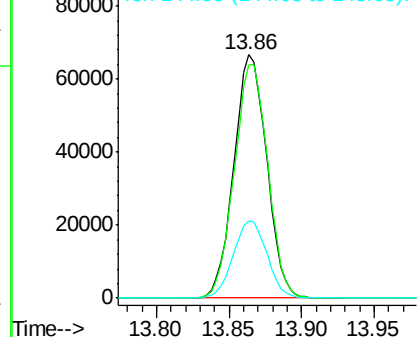


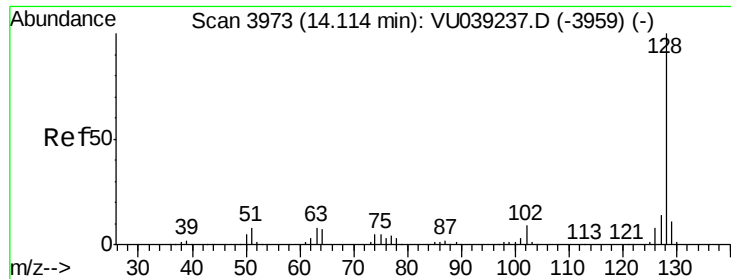
#68
 1,2,4-trichlorobenzene
 Concen: 4.586 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU039237.D
 Acq: 30 Jun 2020 14:15

Tgt Ion:180 Resp: 104761
 Ion Ratio Lower Upper
 180 100
 182 97.9 78.3 117.5
 145 32.4 25.9 38.9



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

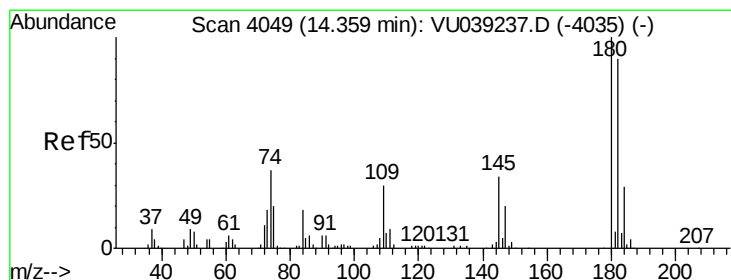
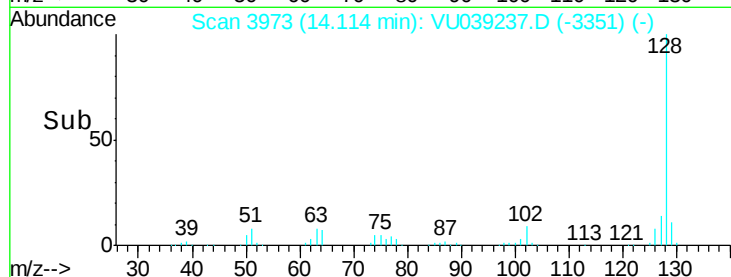
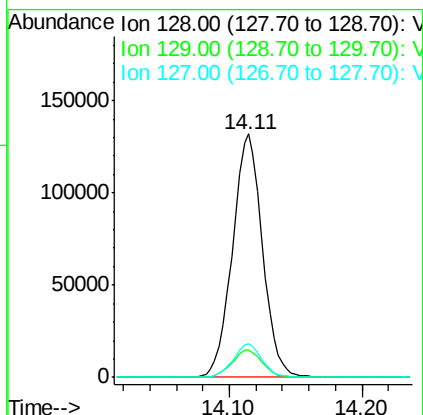
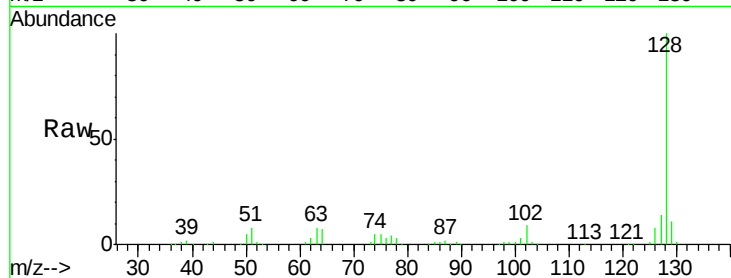




#69
Naphthalene
Concen: 4.767 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:128 Resp: 206730
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.4 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 5.299 ug/L
RT: 14.36 min Scan# 4049
Delta R.T. 0.00 min
Lab File: VU039237.D
Acq: 30 Jun 2020 14:15

Tgt Ion:180 Resp: 115596
Ion Ratio Lower Upper
180 100
182 92.0 73.6 110.4
145 35.0 28.0 42.0

