

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039235.D
 Acq On : 30 Jun 2020 13:29
 Operator : SY/MD
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Quant Time: Jun 30 14:56:31 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	223489	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	239239	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109602	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	7610	0.39	ug/L	0.00
7) Chloroethane-d5	1.93	69	7138	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	15868	0.44	ug/L	0.00
20) 2-Butanone-d5	4.69	46	30008	4.89	ug/L	0.00
24) Chloroform-d	5.10	84	17233	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	11251	0.51	ug/L	0.00
32) Benzene-d6	5.76	84	28700	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	9998	0.44	ug/L	0.00
41) Toluene-d8	7.92	98	23346	0.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	4310	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	17812	3.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	10253	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	10774	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12193	0.564 ug/L	96
3) Chloromethane	1.53	50	11182	0.502 ug/L	92
5) Vinyl chloride	1.62	62	11999	0.539 ug/L	96
6) Bromomethane	1.88	94	6379	0.540 ug/L	97
8) Chloroethane	1.95	64	7212	0.531 ug/L	91
9) Trichlorofluoromethane	2.16	101	18560	0.595 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9490	0.560 ug/L	98
12) 1,1-Dichloroethene	2.61	96	8599	0.530 ug/L	86
13) Acetone	2.68	43	21577	5.735 ug/L	95
14) Carbon disulfide	2.82	76	29983	0.533 ug/L	97
15) Methyl Acetate	2.99	43	3811	0.411 ug/L	92
16) Methylene chloride	3.08	84	15784	0.810 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	22291	0.513 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	8760	0.511 ug/L	94
19) 1,1-Dichloroethane	3.91	63	17573	0.538 ug/L	97
21) 2-Butanone	4.76	43	29888	5.052 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	8819	0.512 ug/L	95
23) Bromochloromethane	5.01	128	4092	0.490 ug/L	94
25) Chloroform	5.12	83	17955	0.549 ug/L	97
27) 1,2-Dichloroethane	5.83	62	12722	0.525 ug/L	# 94
29) 1,1,1-Trichloroethane	5.35	97	15311	0.491 ug/L	97
30) Cyclohexane	5.43	56	12429	0.430 ug/L	95
31) Carbon tetrachloride	5.56	117	12920	0.492 ug/L	98
33) Benzene	5.81	78	35599	0.477 ug/L	100
34) Trichloroethene	6.57	95	9744	0.510 ug/L	92
35) Methylcyclohexane	6.79	83	12946	0.457 ug/L	96
37) 1,2-Dichloropropane	6.82	63	9575	0.485 ug/L	# 97
38) Bromodichloromethane	7.13	83	13166	0.513 ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	14053	0.498 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	69808	4.910 ug/L	97

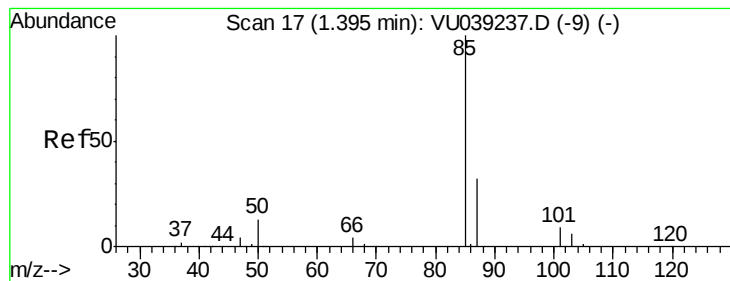
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 14:53:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	33854	0.454	ug/L	92
44) trans-1,3-Dichloropropene	8.23	75	11974	0.430	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	7696	0.523	ug/L	96
47) Tetrachloroethene	8.57	164	6838	0.498	ug/L	94
48) 2-Hexanone	8.71	43	49941	4.581	ug/L	98
49) Dibromochloromethane	8.83	129	7811	0.459	ug/L	96
50) 1,2-Dibromoethane	8.94	107	6757	0.469	ug/L	98
51) Chlorobenzene	9.46	112	24621	0.509	ug/L	96
52) Ethylbenzene	9.59	91	39516	0.487	ug/L	99
53) m,p-Xylene	9.71	106	12995	0.433	ug/L	95
54) o-Xylene	10.11	106	12856	0.449	ug/L	98
55) Styrene	10.13	104	20300	0.409	ug/L	94
56) Isopropylbenzene	10.50	105	33515	0.455	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	9206	0.494	ug/L	89
59) 1,2,3-Trichloropropane	10.83	75	8174	0.565	ug/L	99
61) Bromoform	10.31	173	4944	0.563	ug/L #	96
62) 1,3-Dichlorobenzene	11.76	146	17267	0.498	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	18890	0.539	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	17474	0.524	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.01	75	1602	0.482	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	13152	0.520	ug/L	95
68) 1,2,4-trichlorobenzene	13.87	180	11500	0.526	ug/L	97
69) Naphthalene	14.11	128	20121	0.484	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	10064	0.482	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.564 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

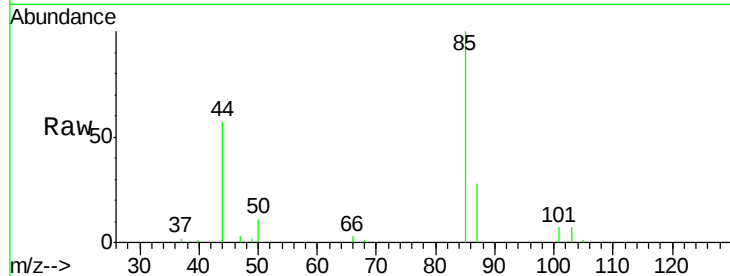
VSTD0.503

Tgt Ion: 85 Resp: 12193

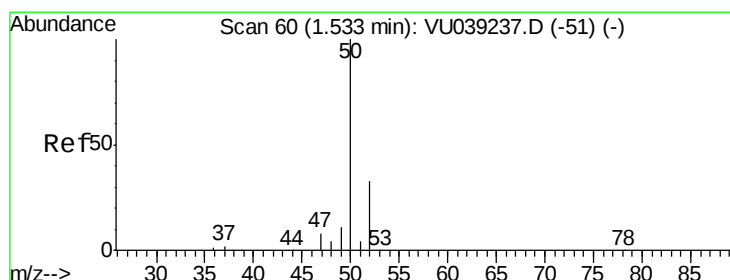
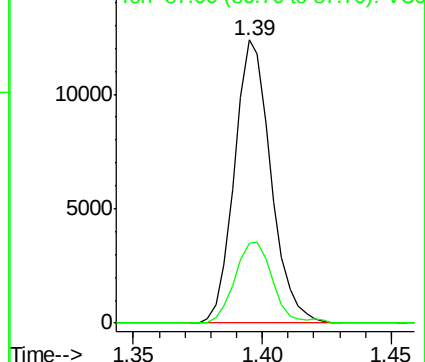
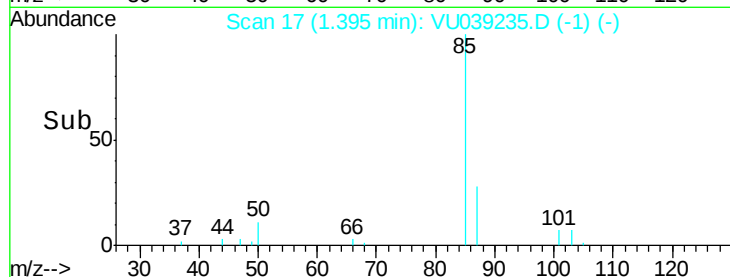
Ion Ratio Lower Upper

85 100

87 29.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU039235.D (-1) (-)



#3

Chloromethane

Concen: 0.502 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039235.D

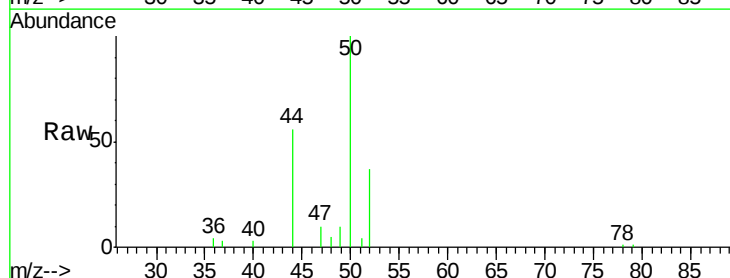
Acq: 30 Jun 2020 13:29

Tgt Ion: 50 Resp: 11182

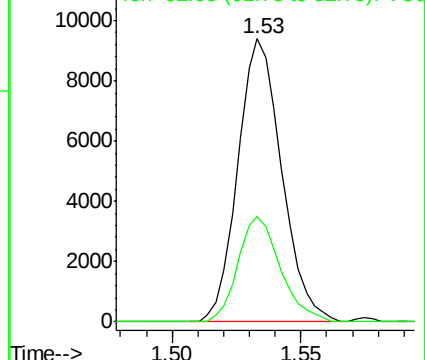
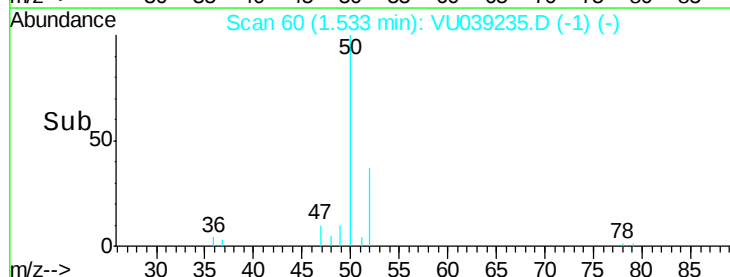
Ion Ratio Lower Upper

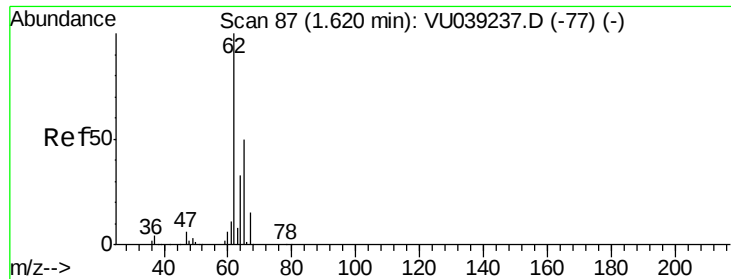
50 100

52 37.4 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU039235.D (-1) (-)





#5

Vinyl chloride

Concen: 0.539 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

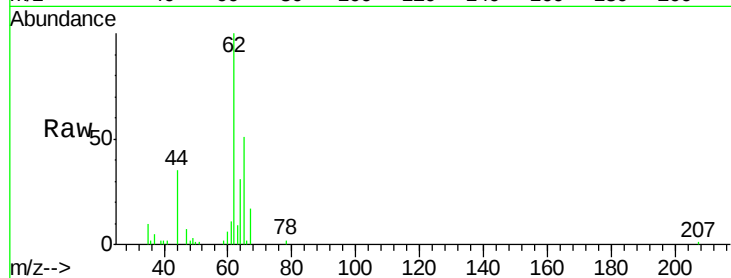
VSTD0.503

Tgt Ion: 62 Resp: 11999

Ion Ratio Lower Upper

62 100

64 30.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039235.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039235.D (-1) (-)

12000

10000

8000

6000

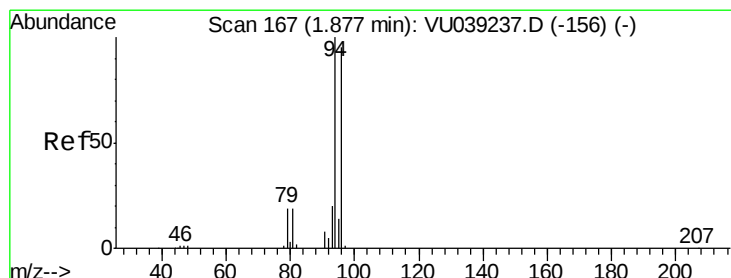
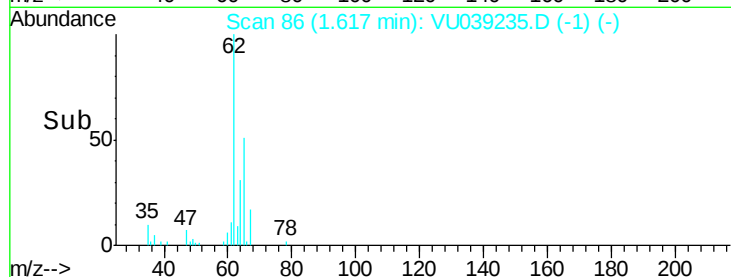
4000

2000

0

1.60 1.62 1.65

Time-->



#6

Bromomethane

Concen: 0.540 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039235.D

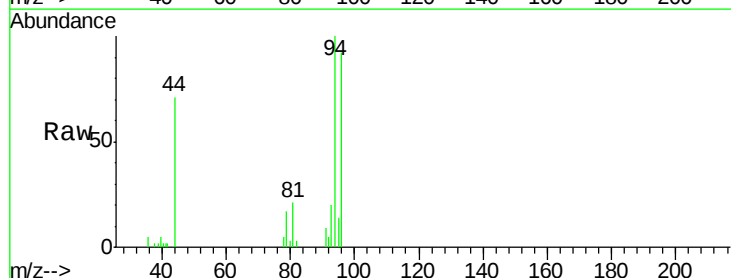
Acq: 30 Jun 2020 13:29

Tgt Ion: 94 Resp: 6379

Ion Ratio Lower Upper

94 100

96 92.3 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VU039235.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU039235.D (-74) (-)

5000

4000

3000

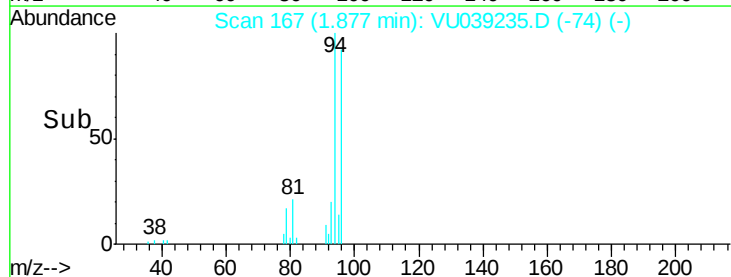
2000

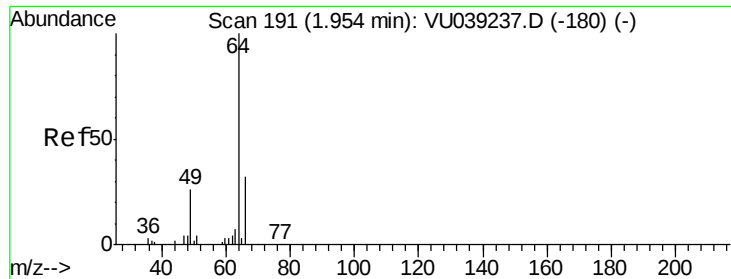
1000

0

1.85 1.88 1.90

Time-->





#8

Chloroethane

Concen: 0.531 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

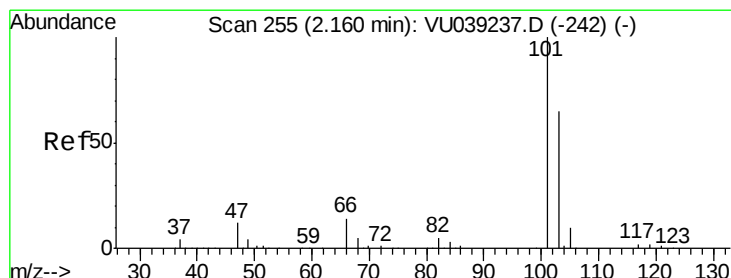
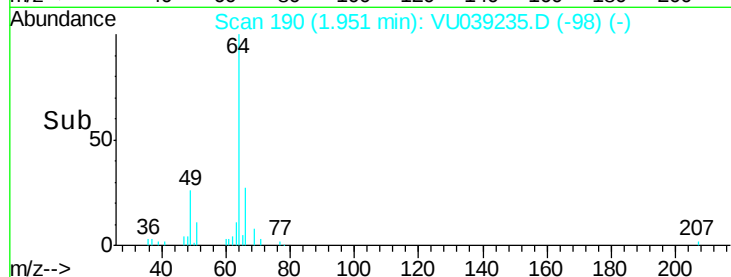
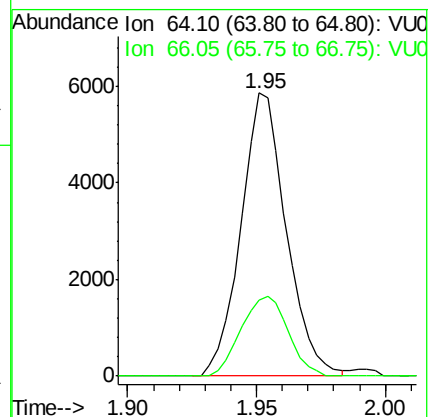
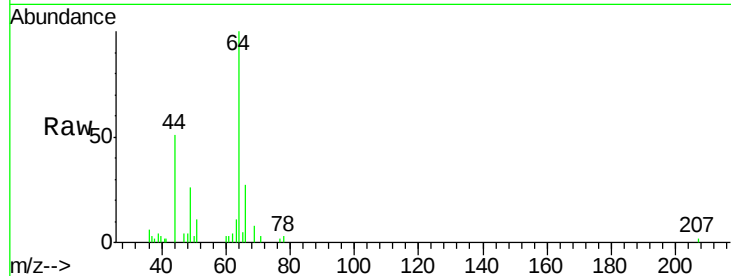
VSTD0.503

Tgt Ion: 64 Resp: 7212

Ion Ratio Lower Upper

64 100

66 27.0 22.6 42.0



#9

Trichlorofluoromethane

Concen: 0.595 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039235.D

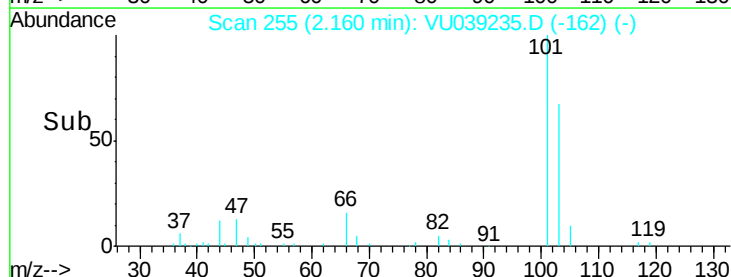
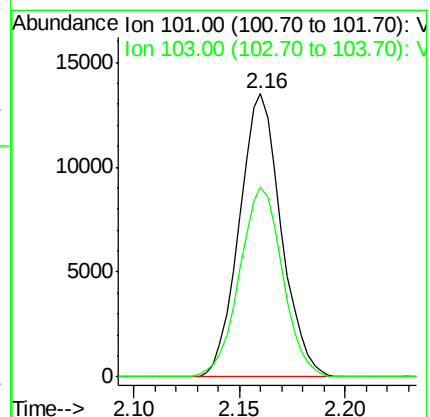
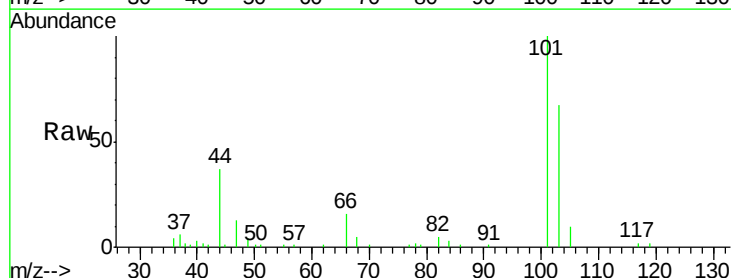
Acq: 30 Jun 2020 13:29

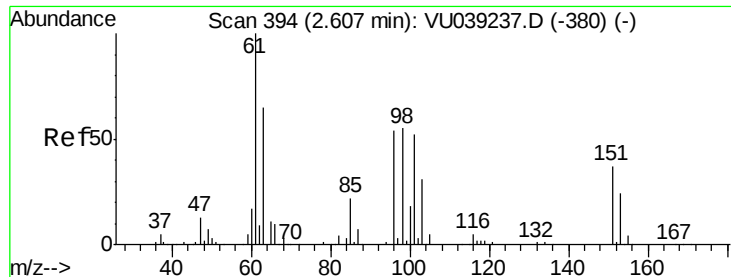
Tgt Ion: 101 Resp: 18560

Ion Ratio Lower Upper

101 100

103 68.9 51.4 77.0





#10

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

Concen: 0.560 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

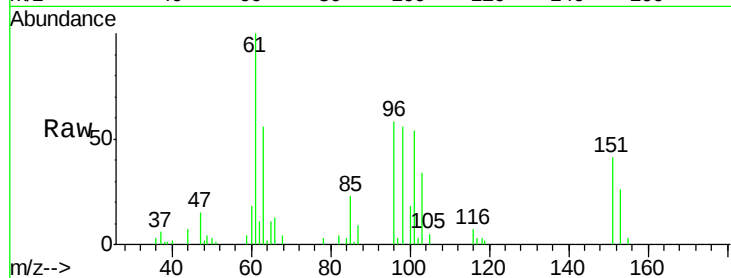
Tgt Ion: 101 Resp: 9490

Ion Ratio Lower Upper

101 100

85 42.7 34.7 52.1

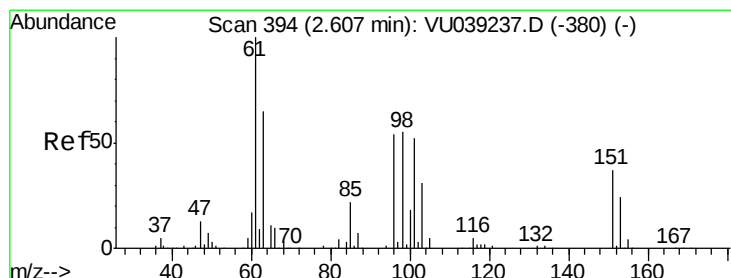
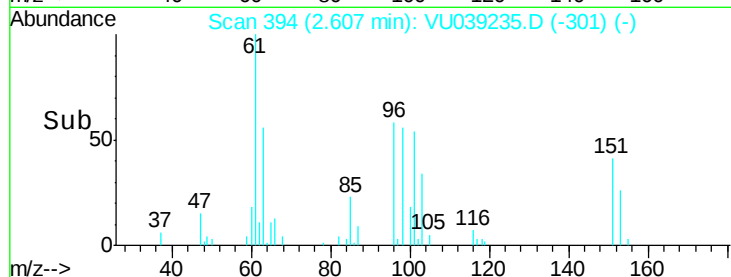
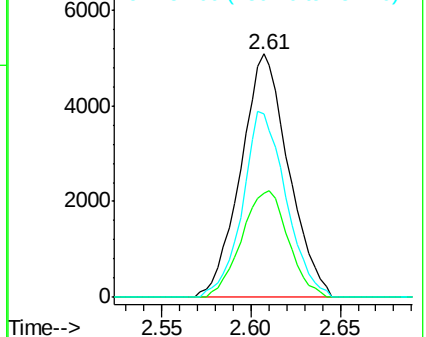
151 69.4 57.4 86.2



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: 0.530 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

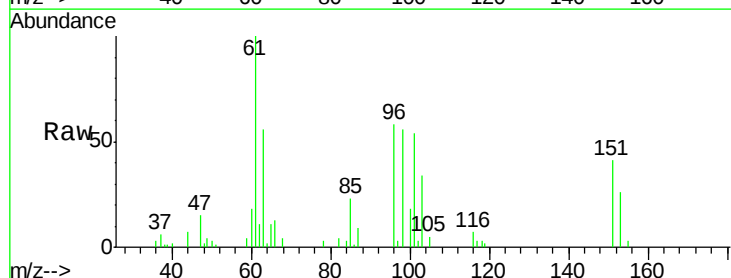
Tgt Ion: 96 Resp: 8599

Ion Ratio Lower Upper

96 100

61 173.1 129.1 239.7

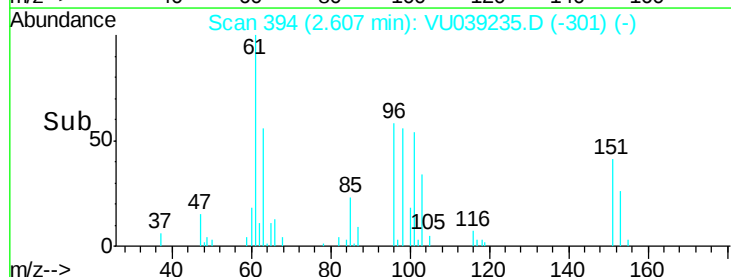
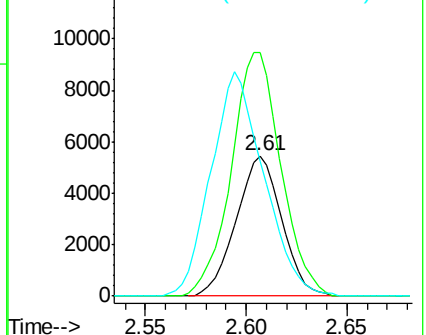
63 96.2 85.5 158.7

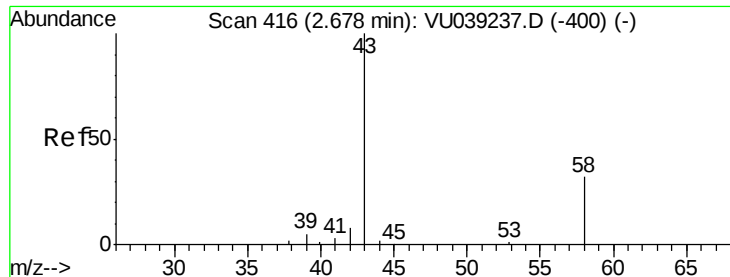


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.735 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

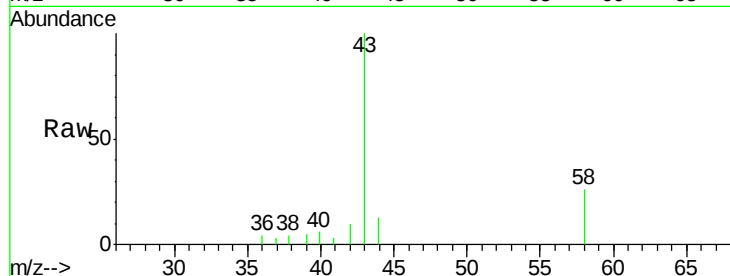
VSTD0.503

Tgt Ion: 43 Resp: 21577

Ion Ratio Lower Upper

43 100

58 27.8 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VU039235.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU039235.D (-323) (-)

2.68

6000

5000

4000

3000

2000

1000

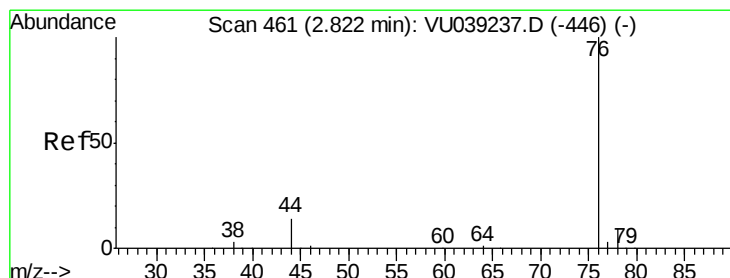
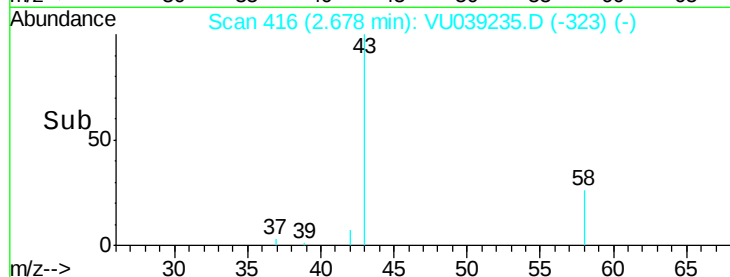
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Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 0.533 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039235.D

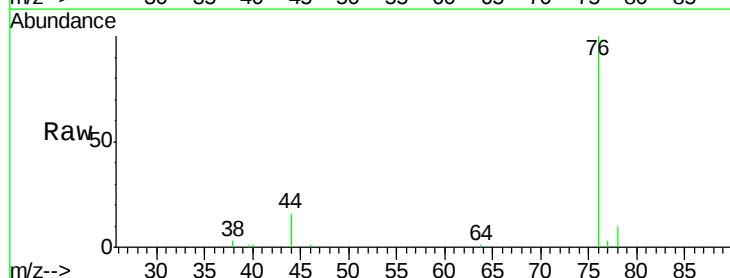
Acq: 30 Jun 2020 13:29

Tgt Ion: 76 Resp: 29983

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039235.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU039235.D (-368) (-)

2.82

20000

15000

10000

5000

0

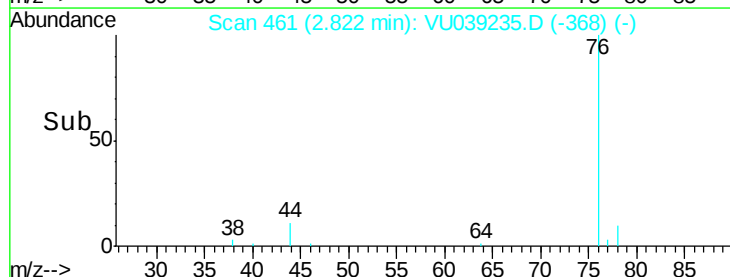
Time-->

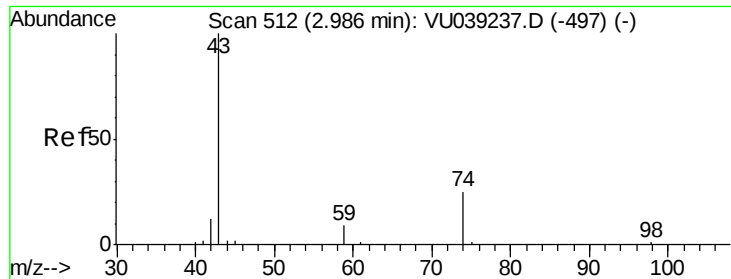
2.75

2.80

2.85

2.90





#15

Methyl Acetate

Concen: 0.411 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

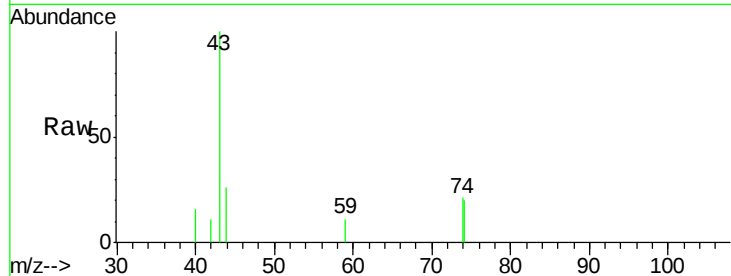
VSTD0.503

Tgt Ion: 43 Resp: 3811

Ion Ratio Lower Upper

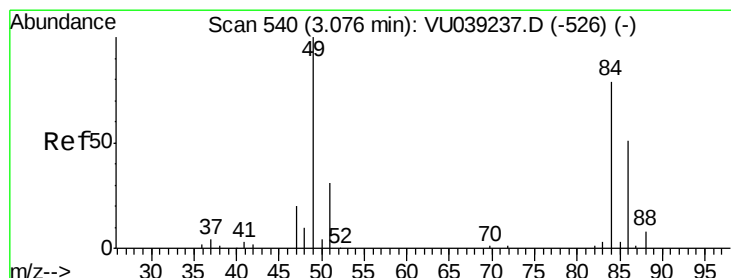
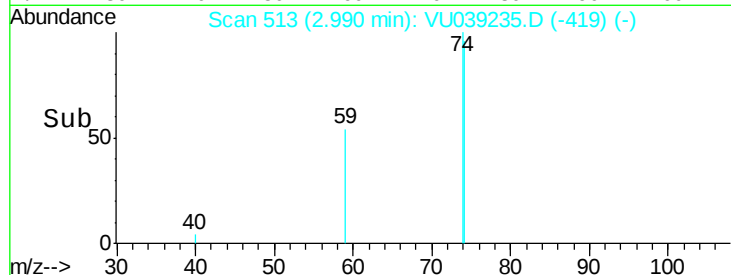
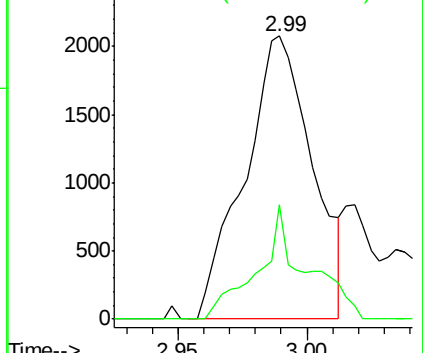
43 100

74 28.5 19.6 29.4



Abundance Ion 43.05 (42.75 to 43.75): VU039235.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VU039235.D (-419) (-)



#16

Methylene chloride

Concen: 0.810 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

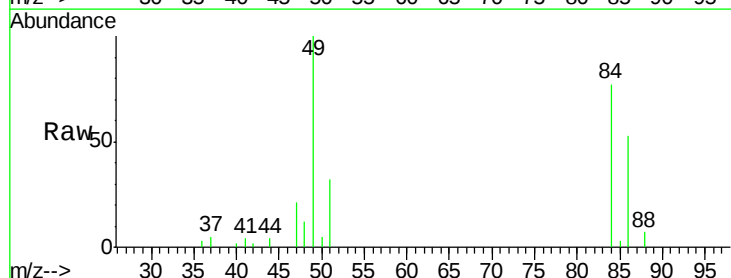
Tgt Ion: 84 Resp: 15784

Ion Ratio Lower Upper

84 100

86 68.7 44.9 83.5

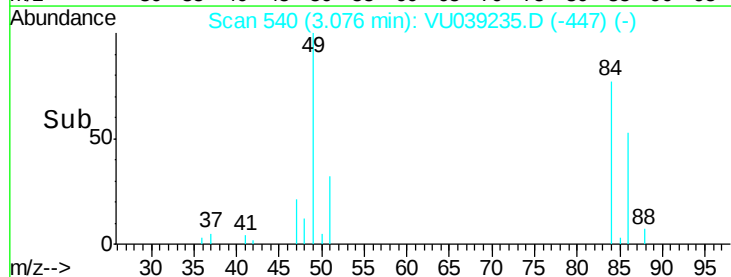
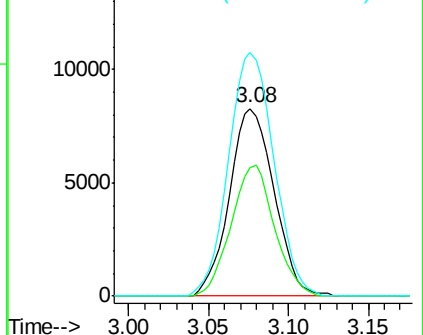
49 129.6 88.4 164.2

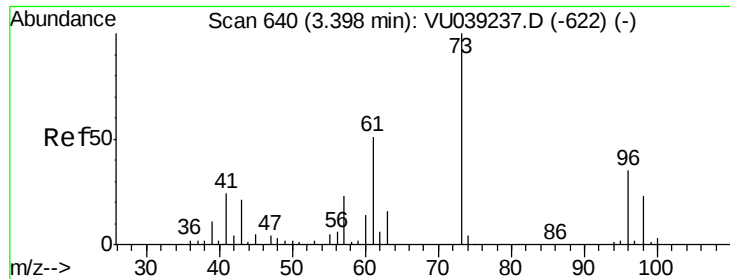


Abundance Ion 84.05 (83.75 to 84.75): VU039235.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU039235.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU039235.D (-447) (-)

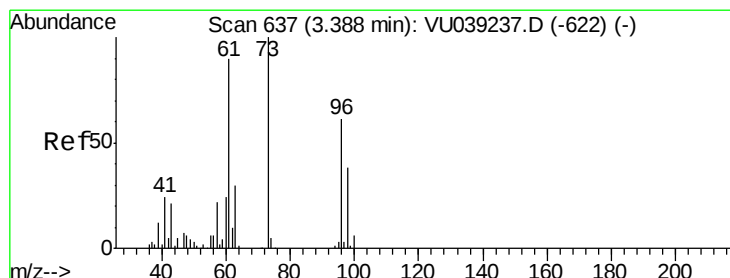
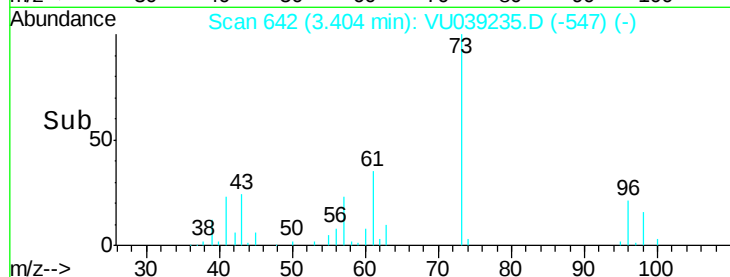
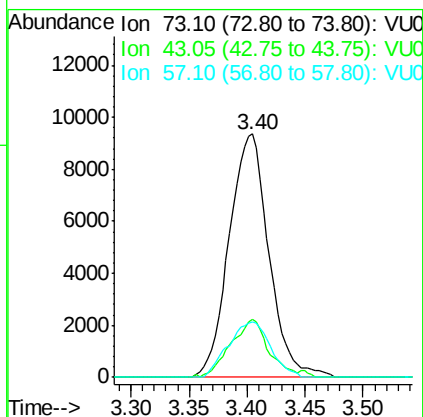
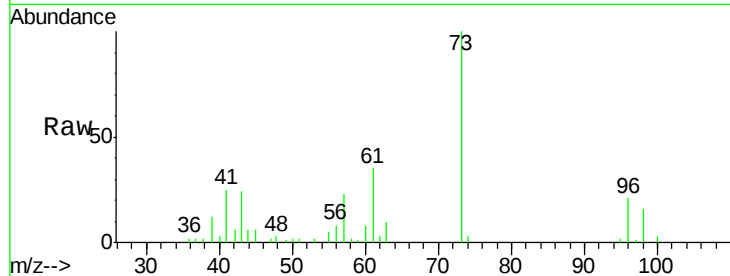




#17
Methyl tert-butyl Ether
Concen: 0.513 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.01 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

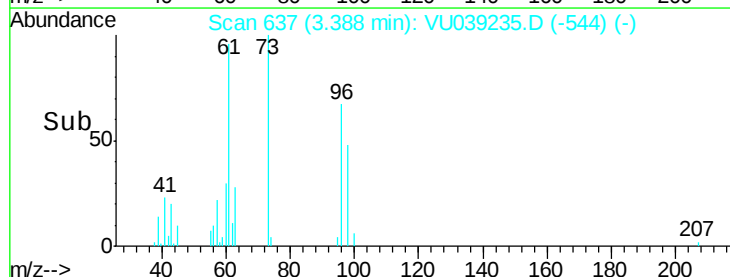
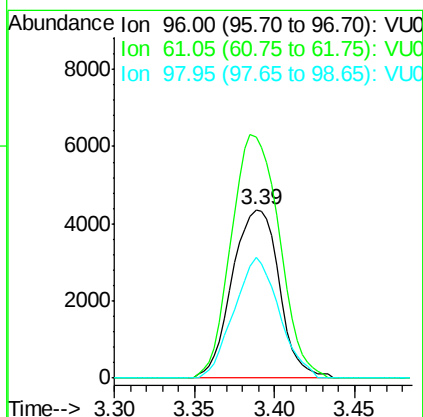
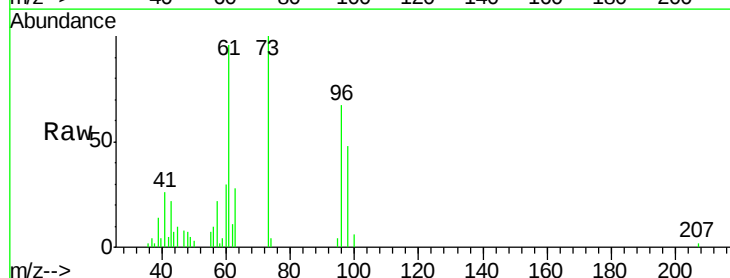
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

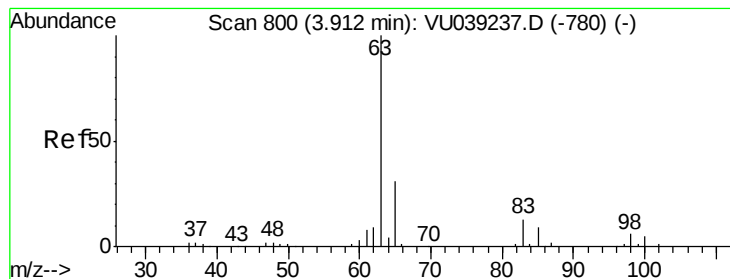
Tgt Ion: 73 Resp: 22291
Ion Ratio Lower Upper
73 100
43 22.6 17.4 26.0
57 24.1 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.511 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

Tgt Ion: 96 Resp: 8760
Ion Ratio Lower Upper
96 100
61 143.6 103.3 191.8
98 71.5 44.0 81.8





#19

1,1-Dichloroethane

Concen: 0.538 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

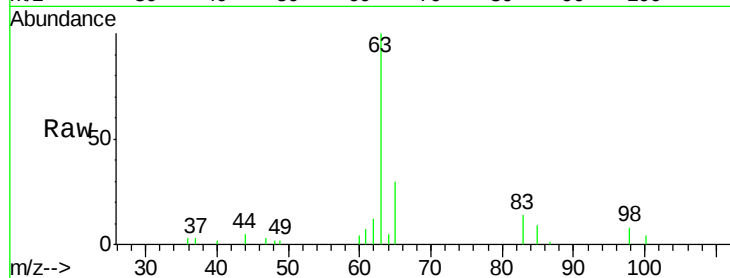
Tgt Ion: 63 Resp: 17573

Ion Ratio Lower Upper

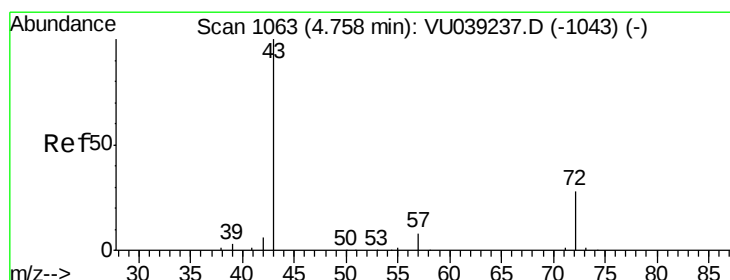
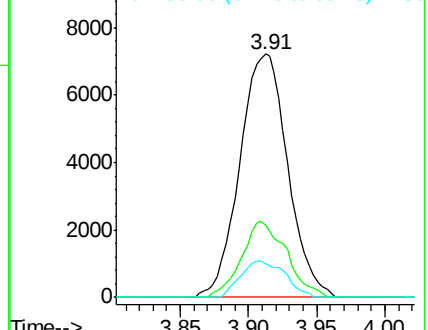
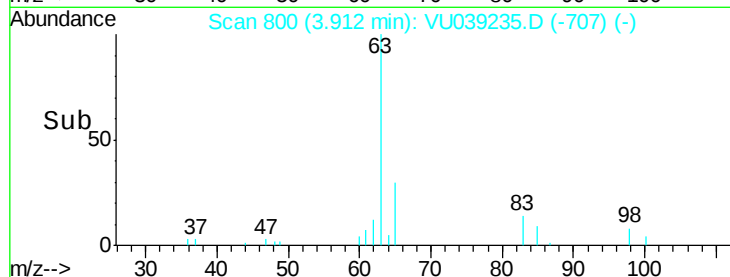
63 100

65 29.6 21.9 40.7

83 14.1 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU039235.D (-707) (-)



#21

2-Butanone

Concen: 5.052 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU039235.D

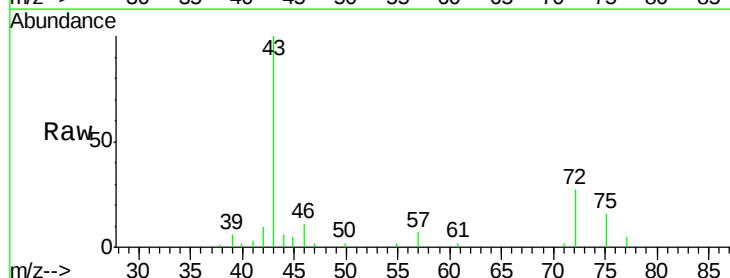
Acq: 30 Jun 2020 13:29

Tgt Ion: 43 Resp: 29888

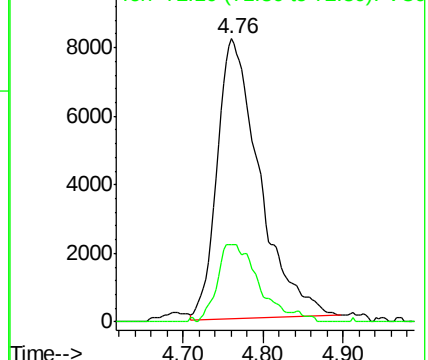
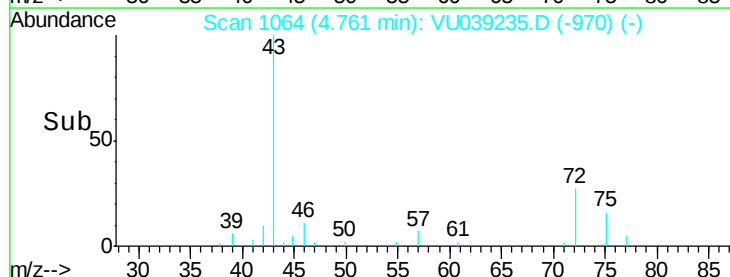
Ion Ratio Lower Upper

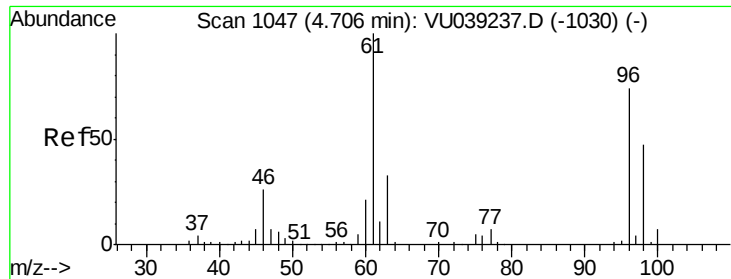
43 100

72 26.1 13.7 41.0



Abundance Ion 43.05 (42.75 to 43.75): VU039235.D (-970) (-)

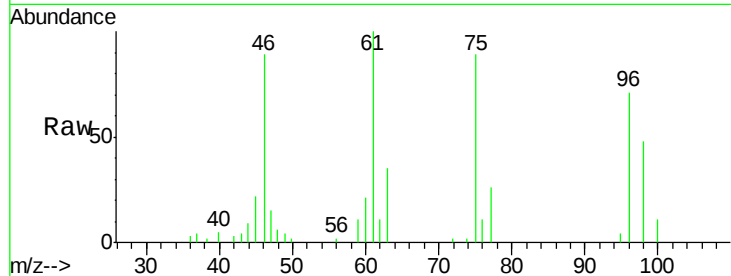




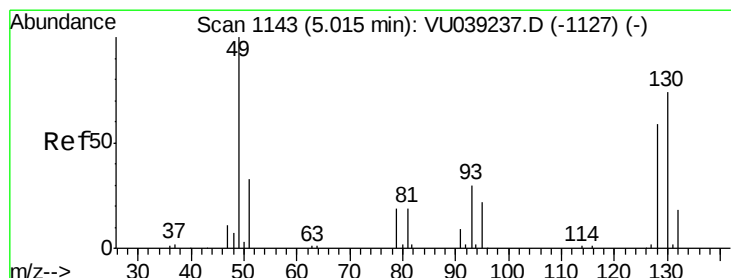
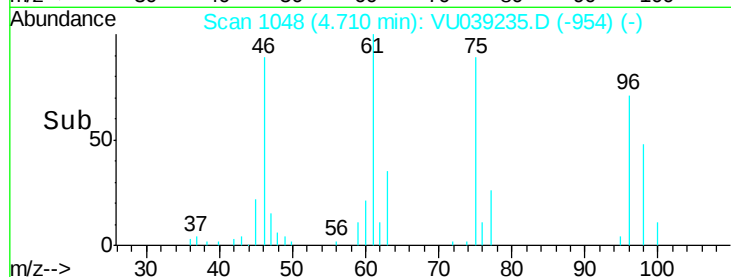
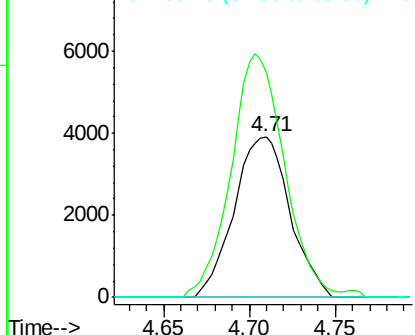
#22
 cis-1,2-Dichloroethene
 Concen: 0.512 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 96 Resp: 8819
 Ion Ratio Lower Upper
 96 100
 61 140.1 94.2 175.0
 68 0.0 0.0 0.0

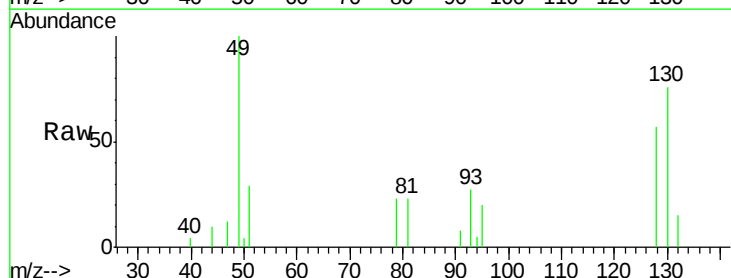


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

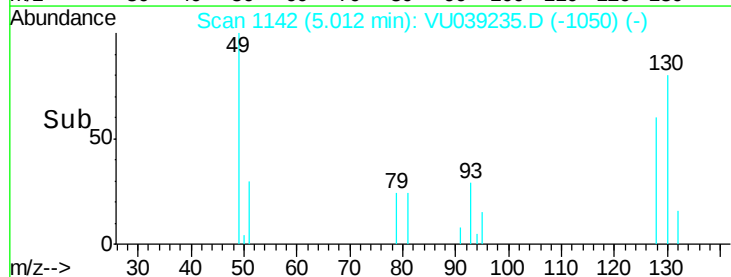
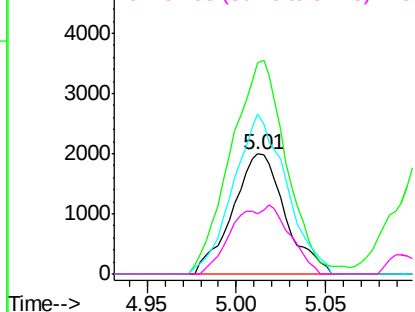


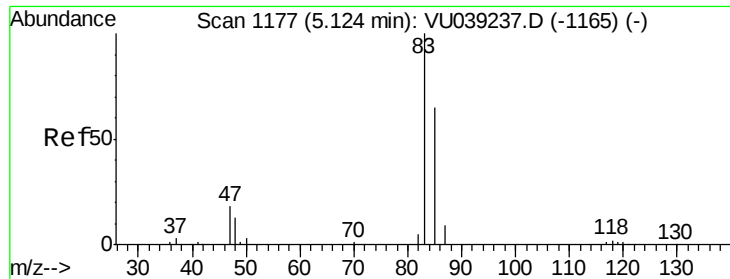
#23
 Bromochloromethane
 Concen: 0.490 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Tgt Ion: 128 Resp: 4092
 Ion Ratio Lower Upper
 128 100
 49 175.3 119.1 221.1
 130 133.2 87.8 163.2
 51 50.4 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

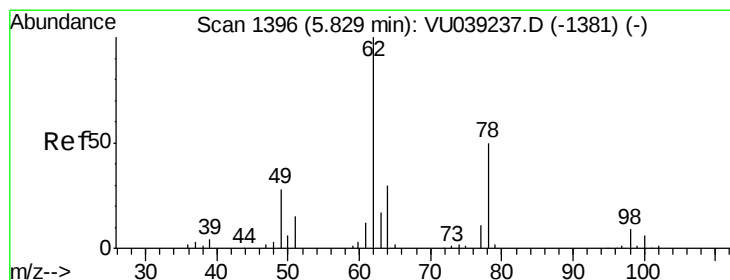
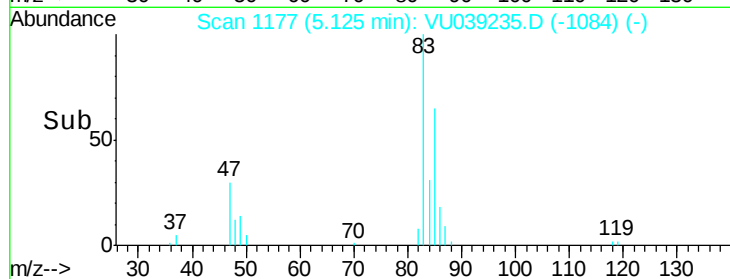
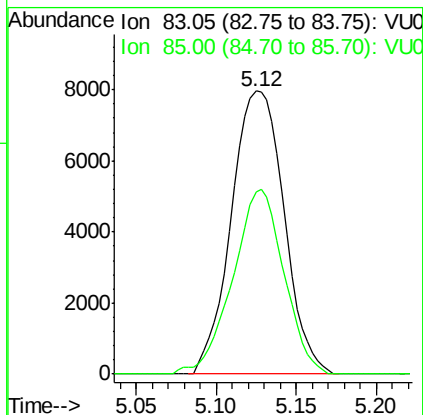
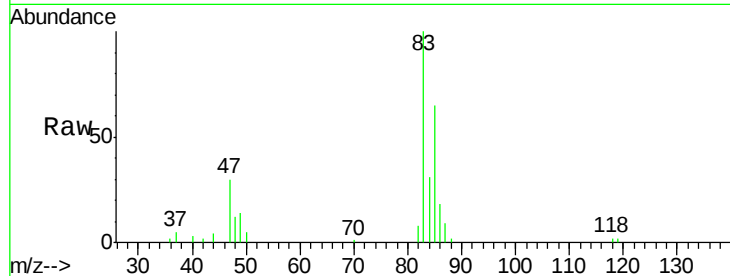




#25
Chloroform
Concen: 0.549 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

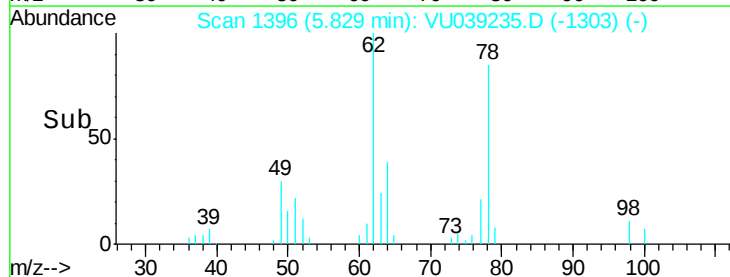
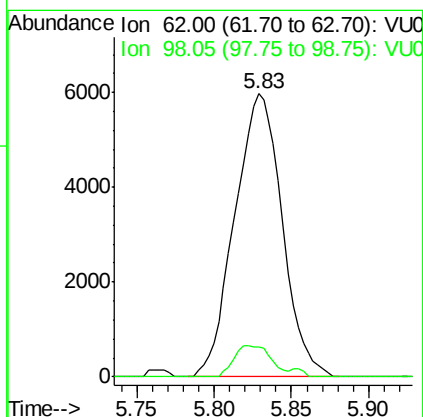
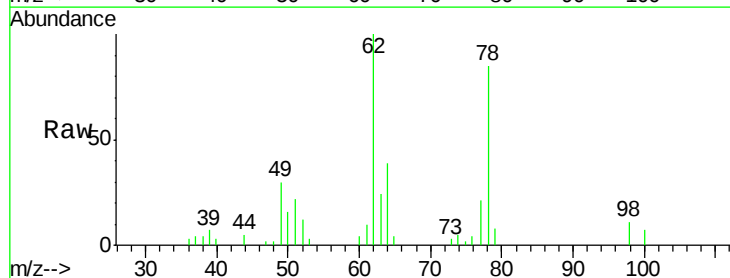
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

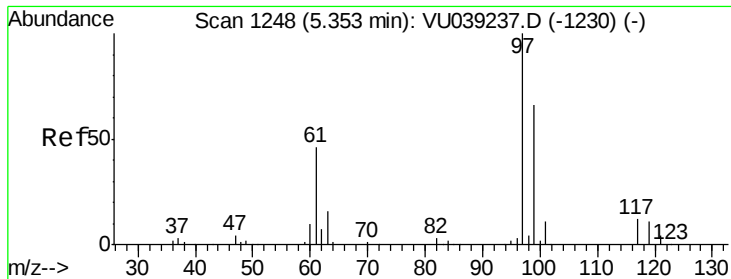
Tgt Ion: 83 Resp: 17955
Ion Ratio Lower Upper
83 100
85 64.6 47.0 87.4



#27
1,2-Dichloroethane
Concen: 0.525 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

Tgt Ion: 62 Resp: 12722
Ion Ratio Lower Upper
62 100
98 10.5 6.8 10.2#

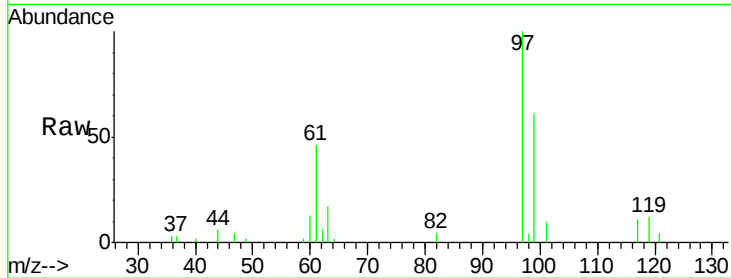




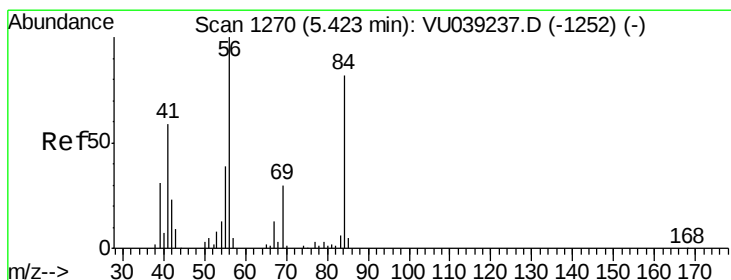
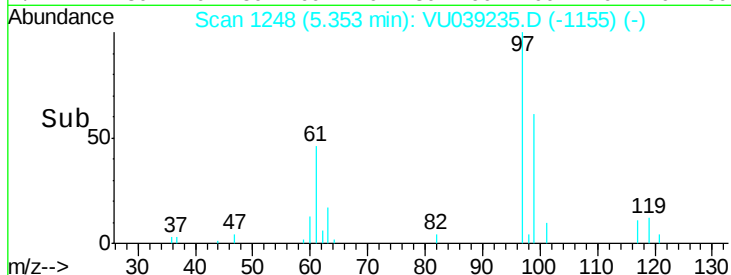
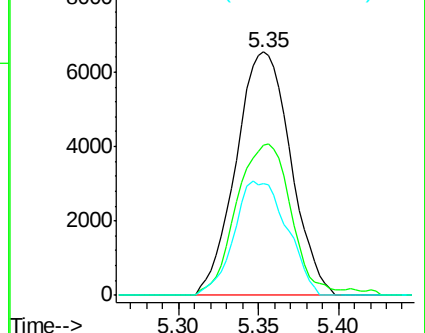
#29
 1,1,1-Trichloroethane
 Concen: 0.491 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 97 Resp: 15311
 Ion Ratio Lower Upper
 97 100
 99 62.1 52.2 78.2
 61 45.2 37.2 55.8

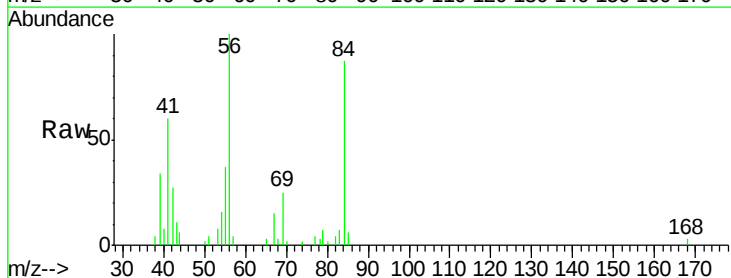


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

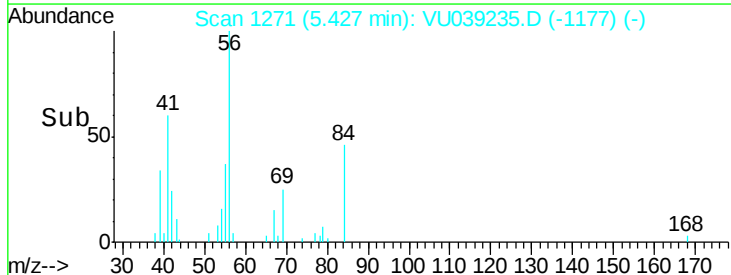
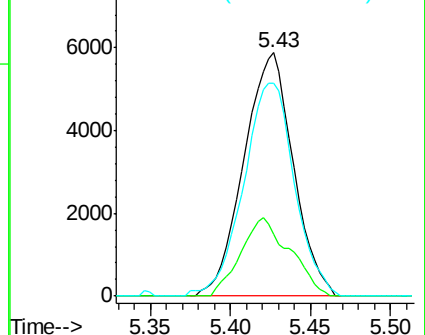


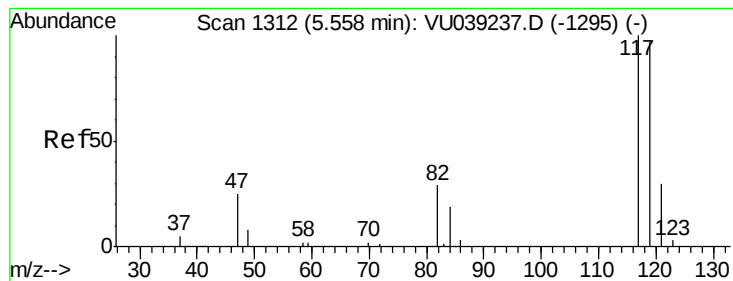
#30
 Cyclohexane
 Concen: 0.430 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Tgt Ion: 56 Resp: 12429
 Ion Ratio Lower Upper
 56 100
 69 32.0 23.9 35.9
 84 90.3 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: 0.492 ug/L

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

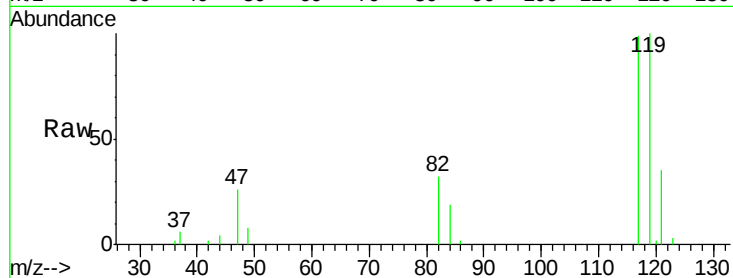
VSTD0.503

Tgt Ion:117 Resp: 12920

Ion Ratio Lower Upper

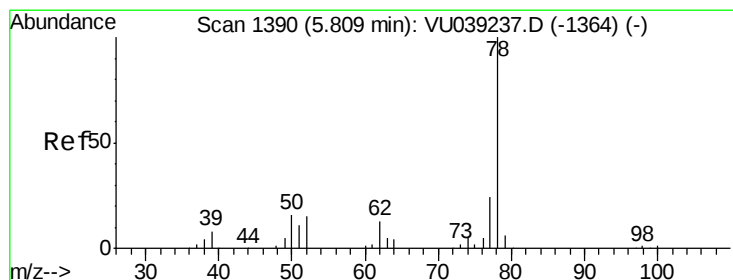
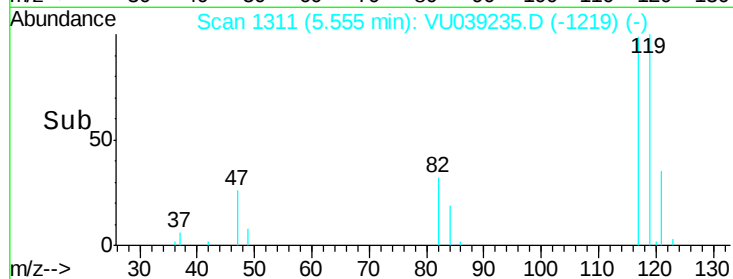
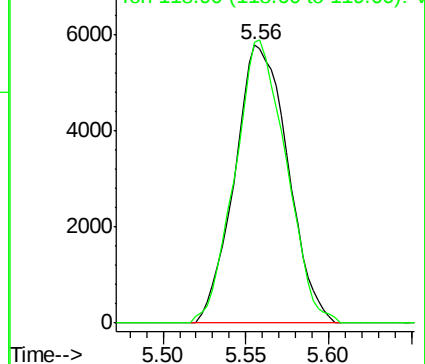
117 100

119 97.6 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: 0.477 ug/L

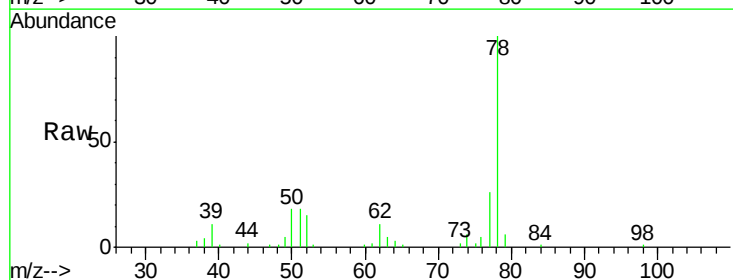
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

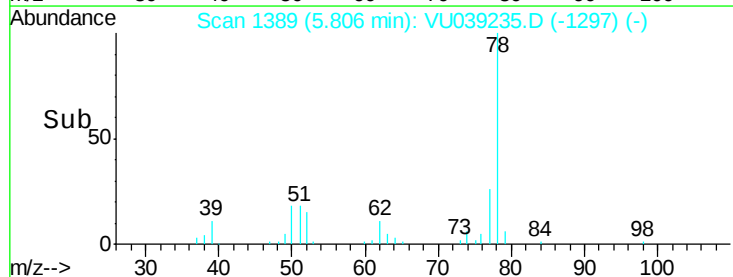
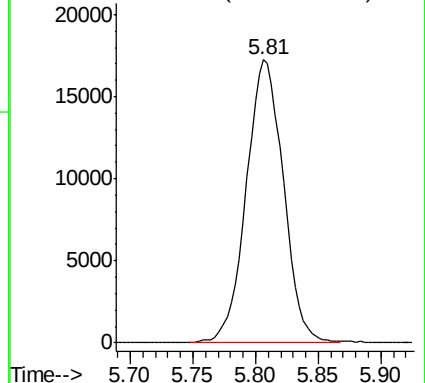
Lab File: VU039235.D

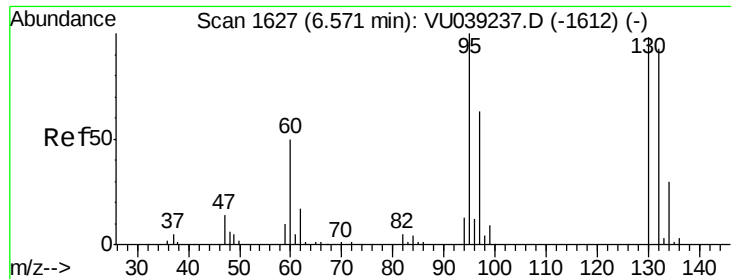
Acq: 30 Jun 2020 13:29

Tgt Ion: 78 Resp: 35599



Abundance Ion 78.10 (77.80 to 78.80): VU0

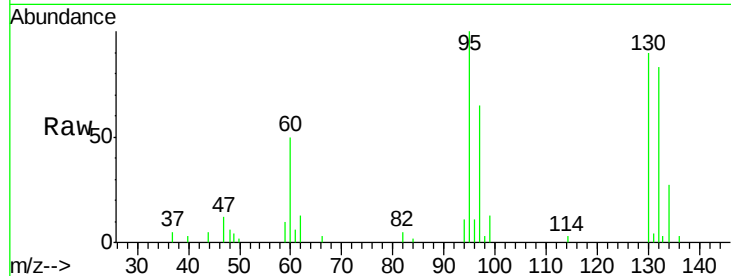




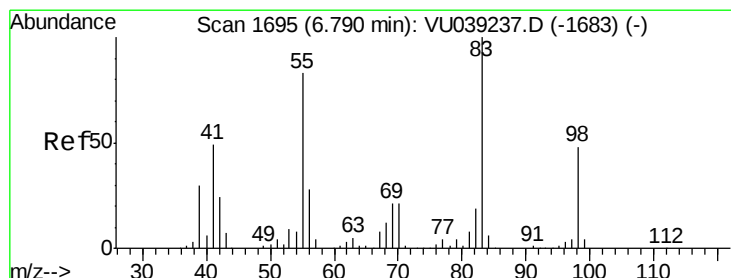
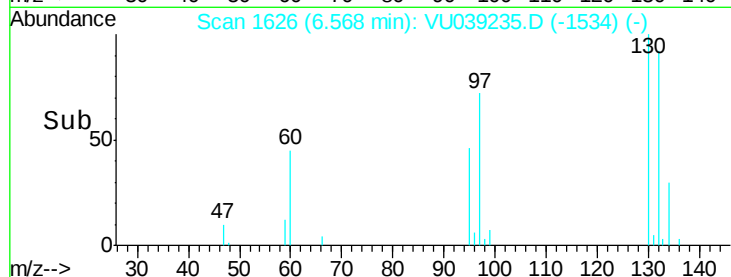
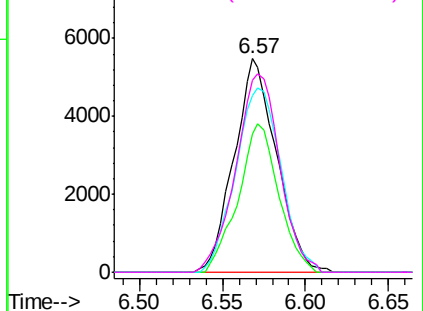
#34
 Trichloroethene
 Concen: 0.510 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 95 Resp: 9744
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.0 81.8
 132 83.0 64.9 120.5
 130 89.7 68.7 127.5

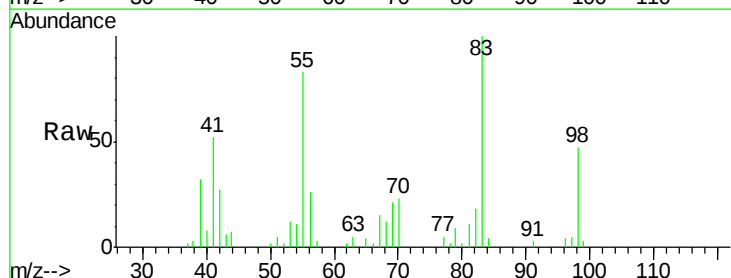


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

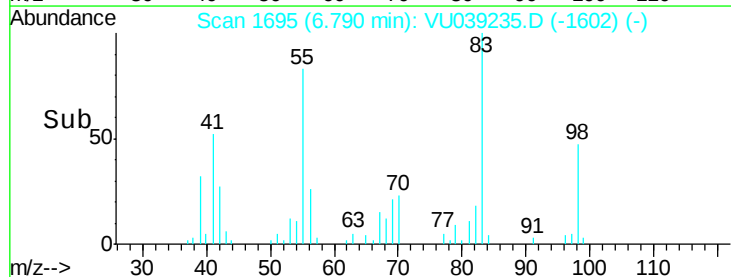
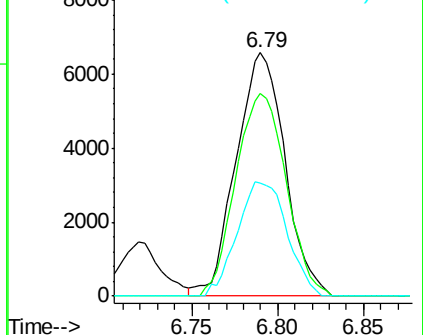


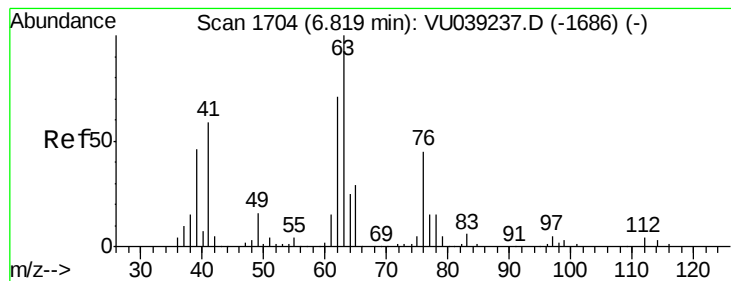
#35
 Methylcyclohexane
 Concen: 0.457 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Tgt Ion: 83 Resp: 12946
 Ion Ratio Lower Upper
 83 100
 55 86.0 64.4 96.6
 98 47.7 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: 0.485 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

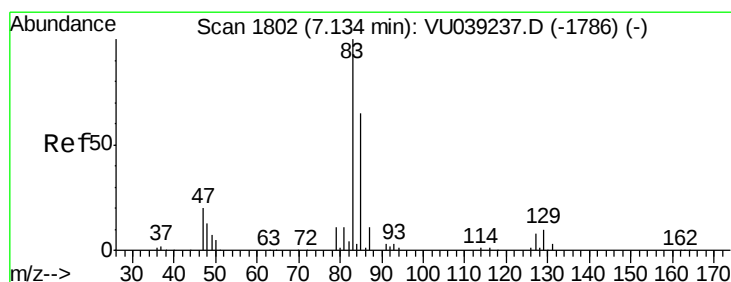
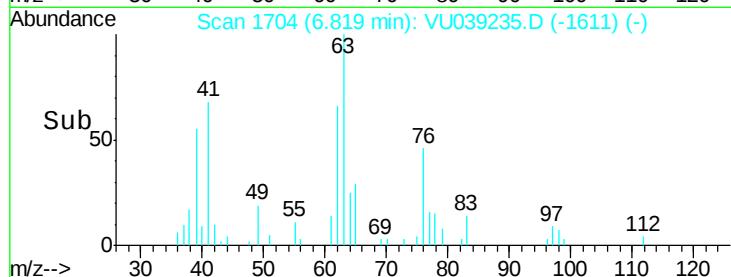
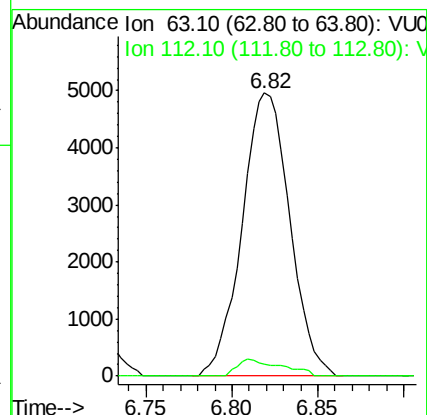
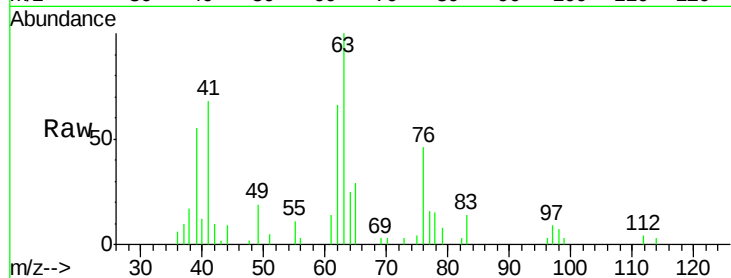
VSTD0.503

Tgt Ion: 63 Resp: 9575

Ion Ratio Lower Upper

63 100

112 5.5 3.6 5.4#



#38

Bromodichloromethane

Concen: 0.513 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

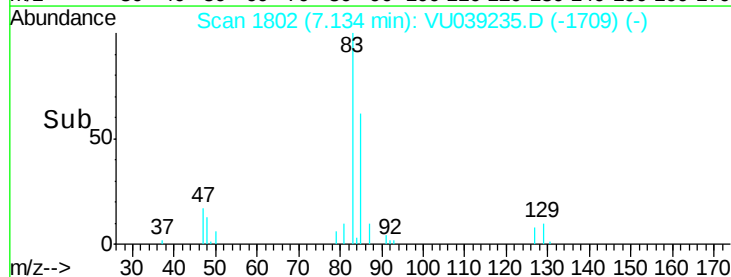
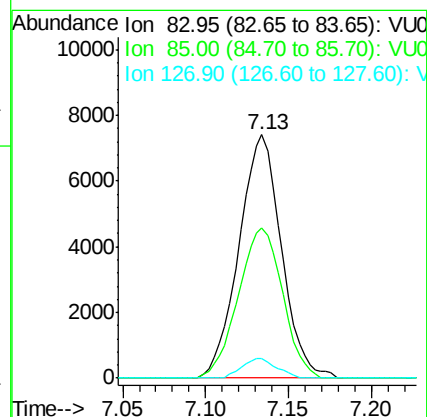
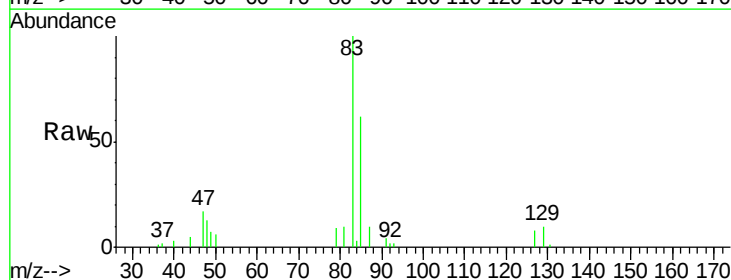
Tgt Ion: 83 Resp: 13166

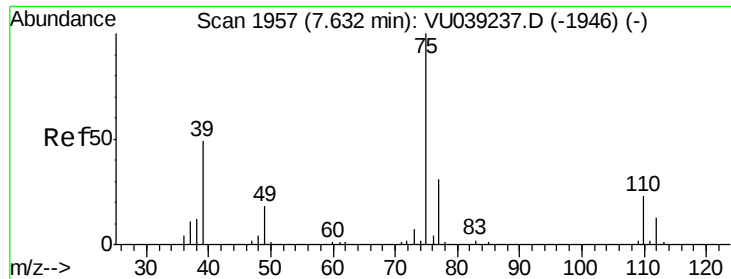
Ion Ratio Lower Upper

83 100

85 61.6 45.6 84.8

127 8.1 6.1 9.1

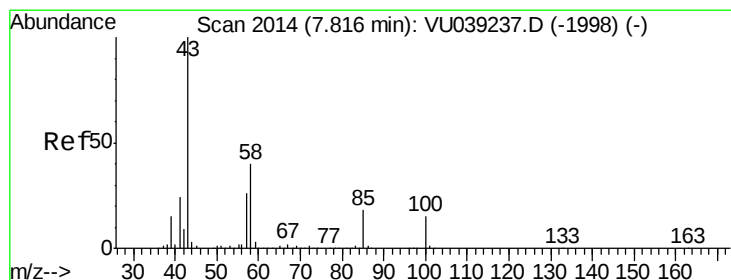
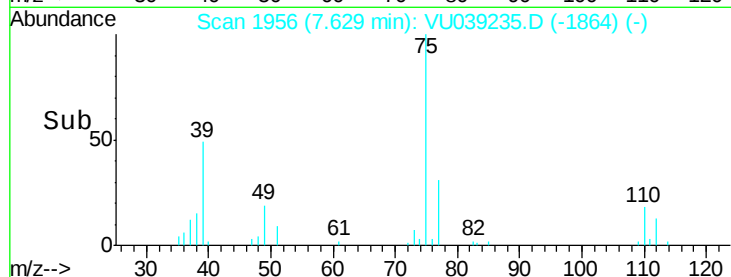
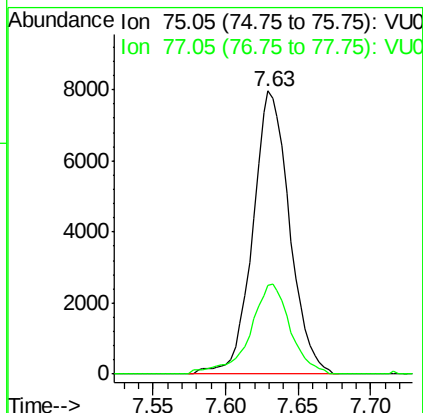
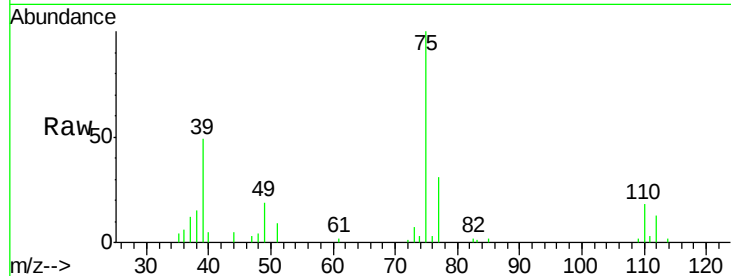




#39
 cis-1,3-Dichloropropene
 Concen: 0.498 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

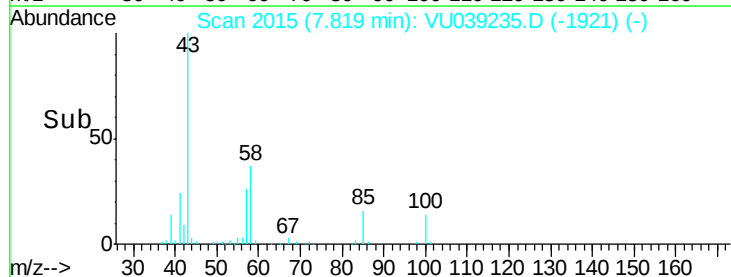
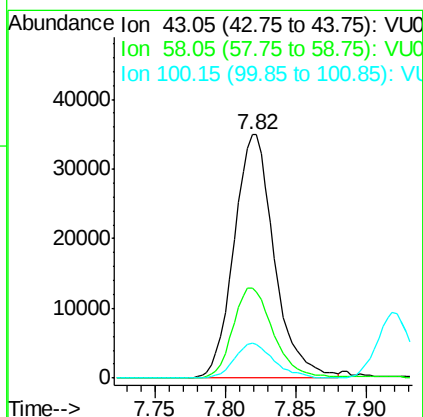
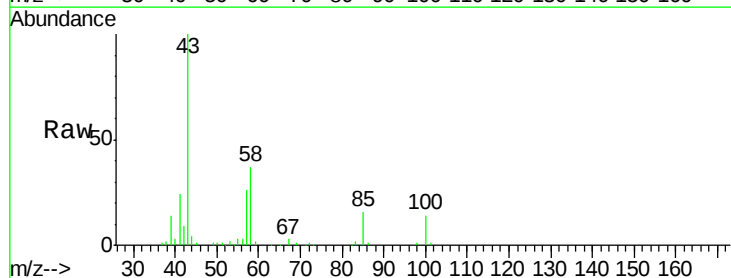
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

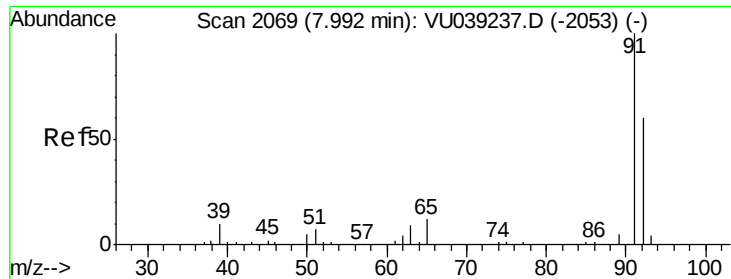
Tgt Ion: 75 Resp: 14053
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 4.910 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Tgt Ion: 43 Resp: 69808
 Ion Ratio Lower Upper
 43 100
 58 37.5 31.1 46.7
 100 14.0 12.4 18.6





#42

Toluene

Concen: 0.454 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

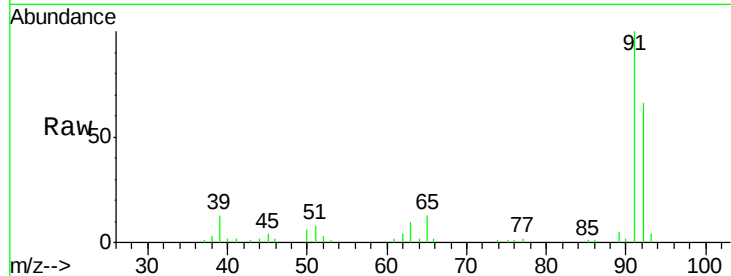
VSTD0.503

Tgt Ion: 91 Resp: 33854

Ion Ratio Lower Upper

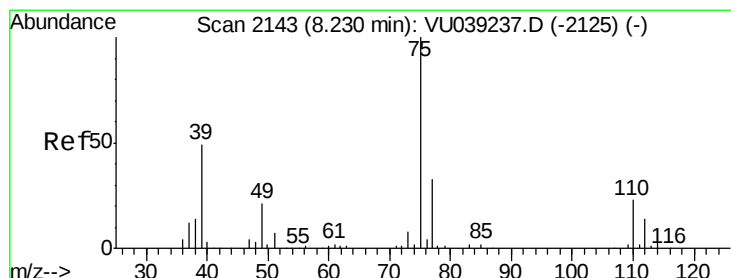
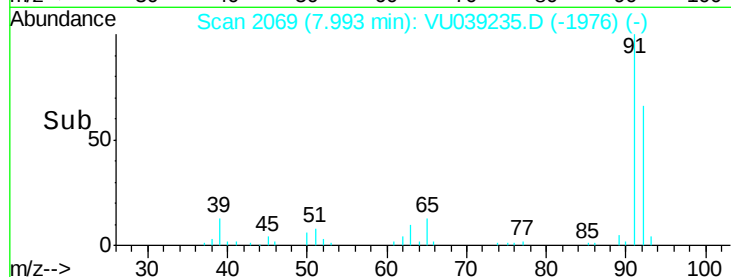
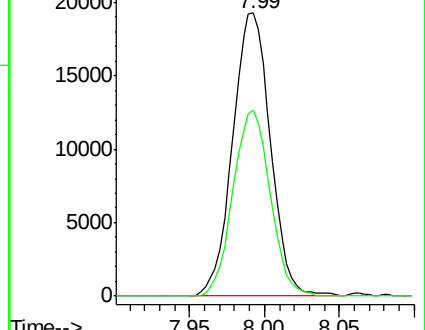
91 100

92 65.9 41.7 77.5



Abundance Ion 91.15 (90.85 to 91.85): VU039235.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU039235.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.430 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039235.D

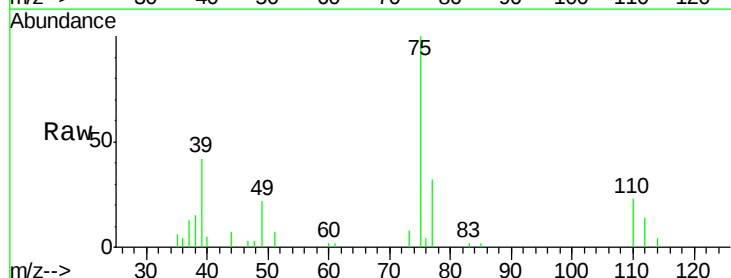
Acq: 30 Jun 2020 13:29

Tgt Ion: 75 Resp: 11974

Ion Ratio Lower Upper

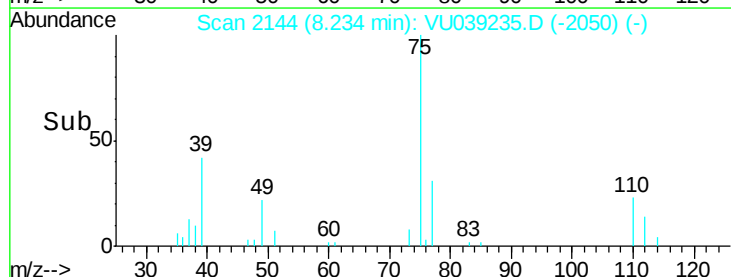
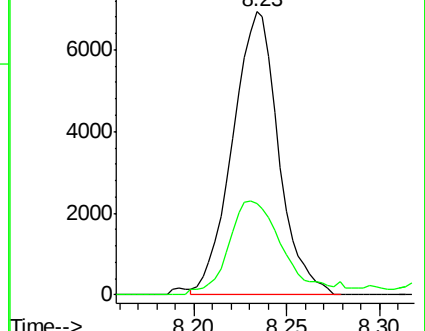
75 100

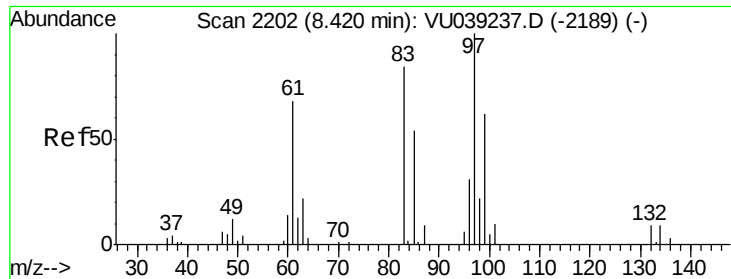
77 32.4 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU039235.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU039235.D (-2050) (-)

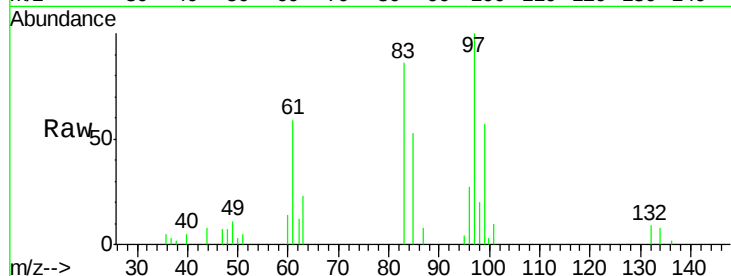




#45
 1,1,2-Trichloroethane
 Concen: 0.523 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:	97	Resp:	7696
Ion	Ratio	Lower	Upper
97	100		
99	56.9	43.7	81.1
83	86.3	58.9	109.3
85	52.6	37.9	70.3

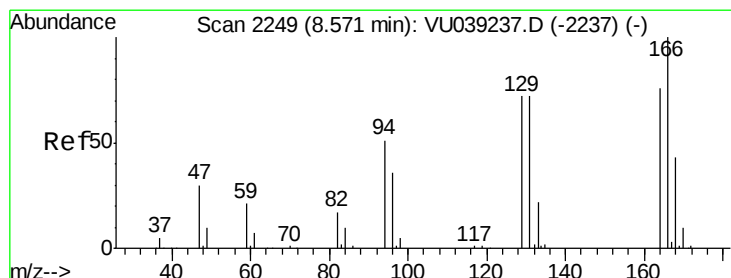
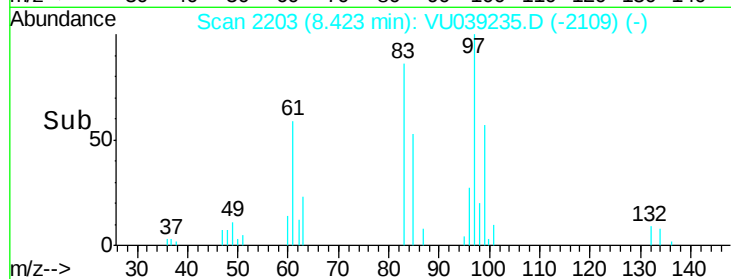
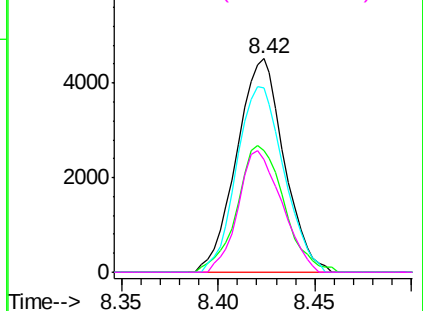


Abundance Ion 96.95 (96.65 to 97.65): VU039235.D (-2109) (-)

Ion 99.05 (98.75 to 99.75): VU039235.D (-2109) (-)

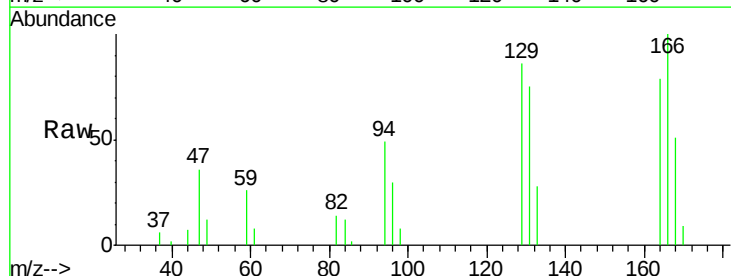
Ion 82.95 (82.65 to 83.65): VU039235.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU039235.D (-2109) (-)



#47
 Tetrachloroethene
 Concen: 0.498 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Tgt Ion:	164	Resp:	6838
Ion	Ratio	Lower	Upper
164	100		
129	109.1	66.4	123.4
131	94.7	66.7	123.9
166	126.7	92.3	171.5

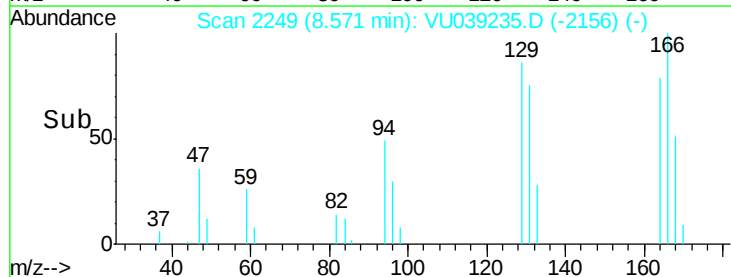
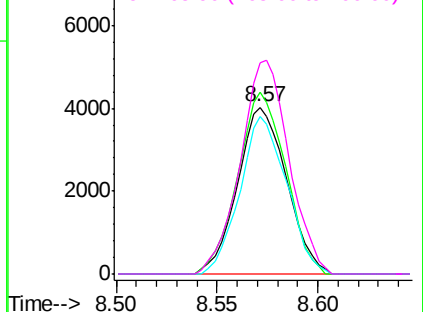


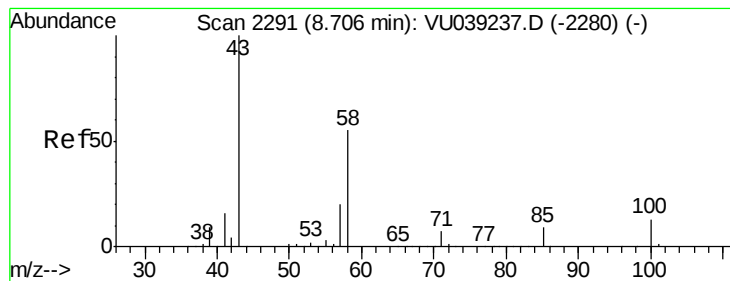
Abundance Ion 163.90 (163.60 to 164.60): VU039235.D (-2156) (-)

Ion 128.95 (128.65 to 129.65): VU039235.D (-2156) (-)

Ion 130.95 (130.65 to 131.65): VU039235.D (-2156) (-)

Ion 165.90 (165.60 to 166.60): VU039235.D (-2156) (-)





#48

2-Hexanone

Concen: 4.581 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tgt Ion: 43 Resp: 49941

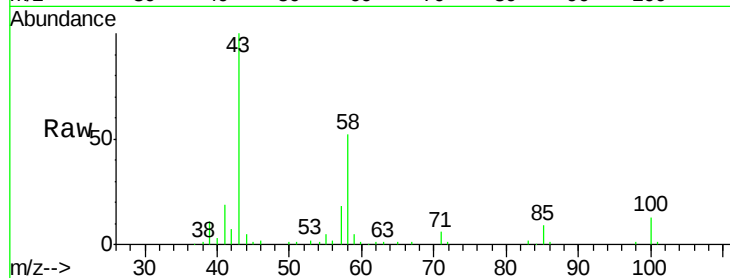
Ion Ratio Lower Upper

43 100

58 53.2 43.6 65.4

57 18.4 15.5 23.3

100 12.2 10.0 15.0

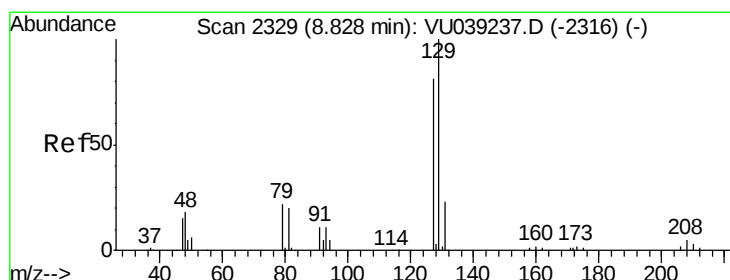
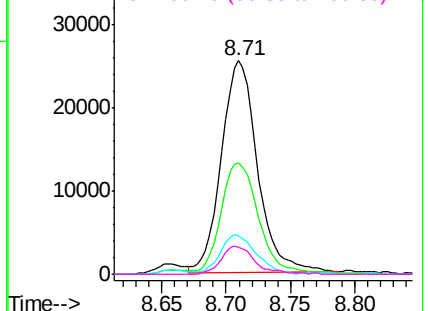
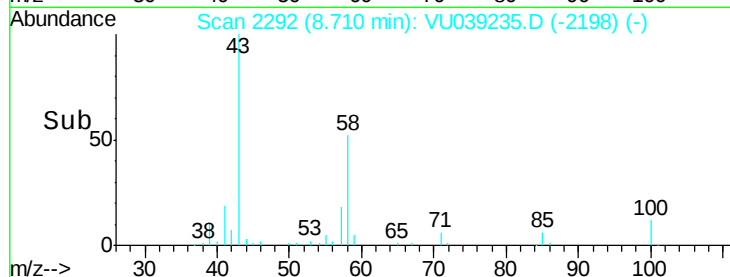


Abundance Ion 43.05 (42.75 to 43.75): VU039235.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VU039235.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VU039235.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VU039235.D (-2198) (-)



#49

Dibromochloromethane

Concen: 0.459 ug/L

RT: 8.83 min Scan# 2329

Delta R.T. 0.00 min

Lab File: VU039235.D

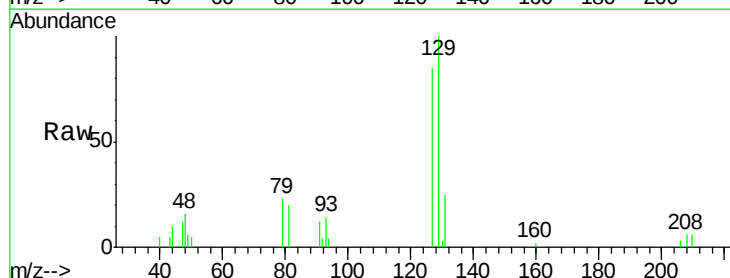
Acq: 30 Jun 2020 13:29

Tgt Ion: 129 Resp: 7811

Ion Ratio Lower Upper

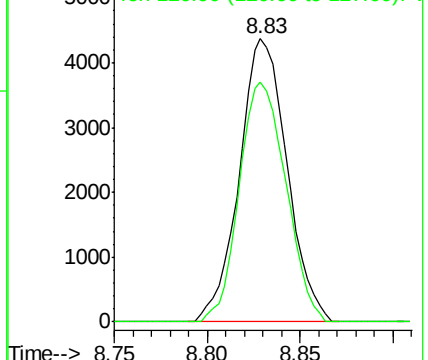
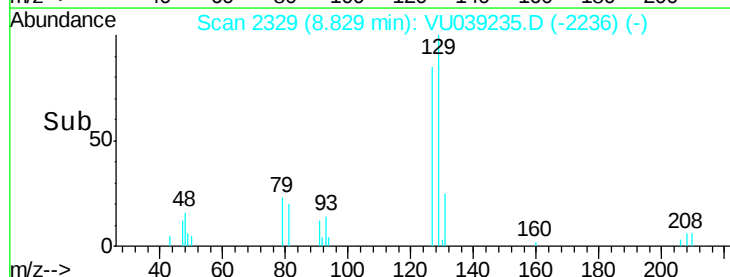
129 100

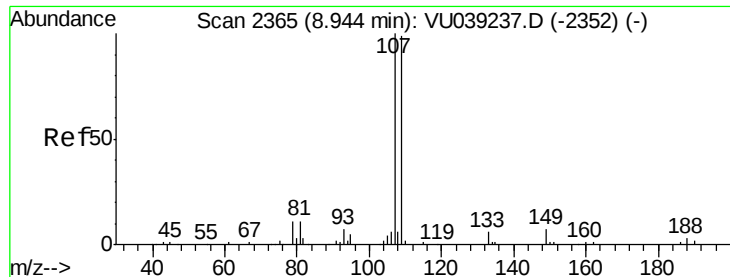
127 84.6 56.8 105.4



Abundance Ion 128.95 (128.65 to 129.65): VU039235.D (-2236) (-)

Ion 126.90 (126.60 to 127.60): VU039235.D (-2236) (-)

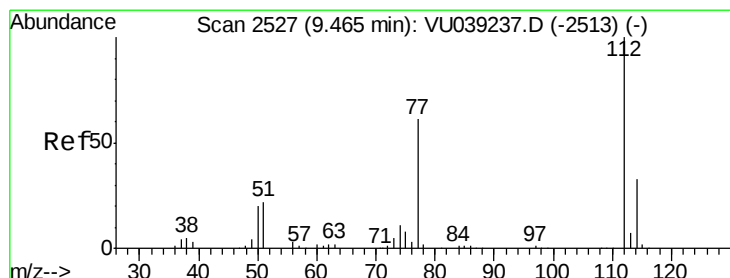
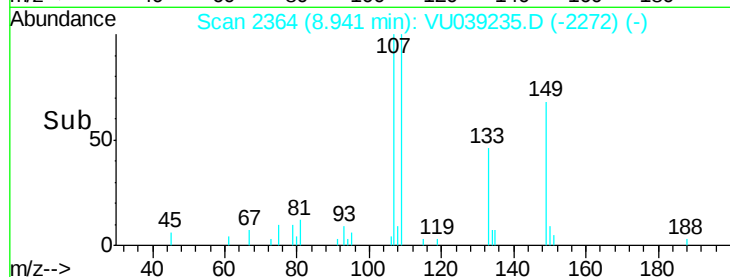
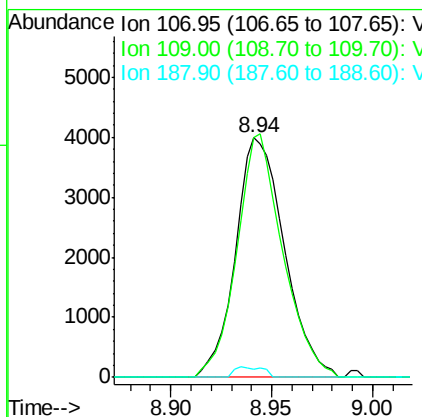
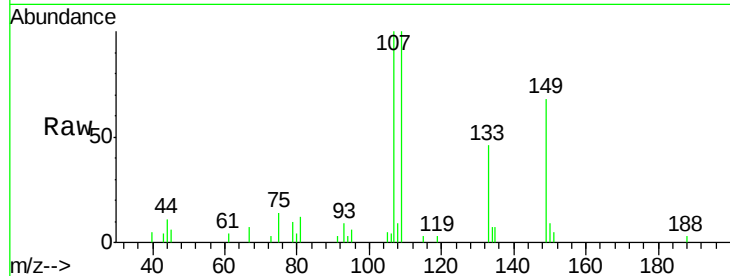




#50
1,2-Dibromoethane
Concen: 0.469 ug/L
RT: 8.94 min Scan# 2364
Delta R.T. -0.00 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

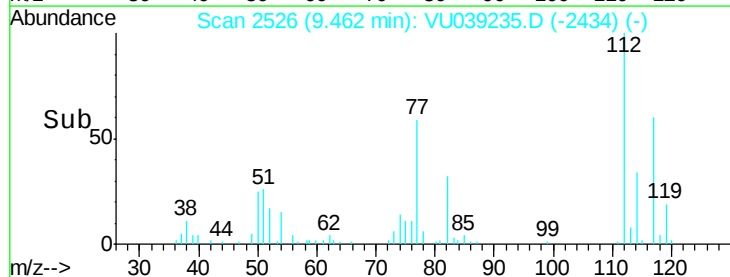
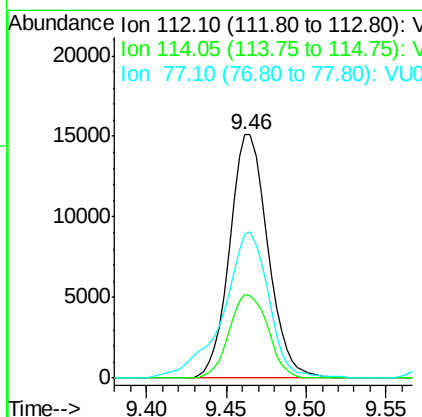
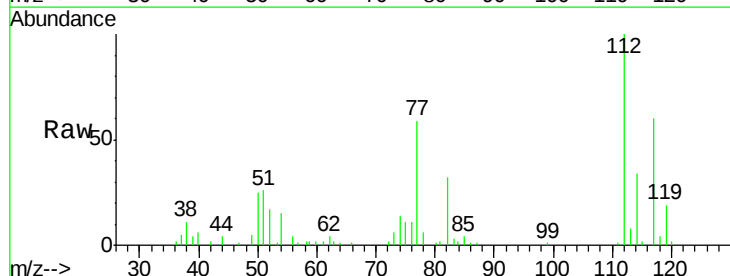
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

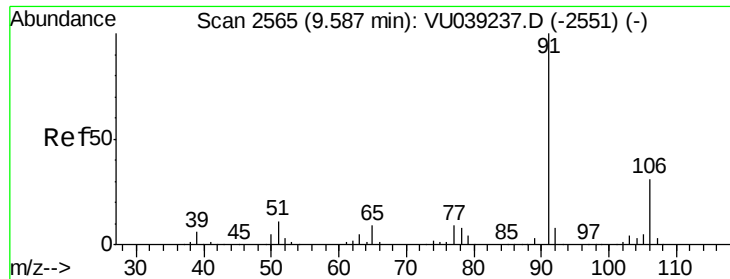
Tgt Ion:107 Resp: 6757
Ion Ratio Lower Upper
107 100
109 100.1 69.0 128.1
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 0.509 ug/L
RT: 9.46 min Scan# 2526
Delta R.T. -0.00 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

Tgt Ion:112 Resp: 24621
Ion Ratio Lower Upper
112 100
114 34.4 22.8 42.4
77 58.9 49.7 74.5





#52

Ethylbenzene

Concen: 0.487 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

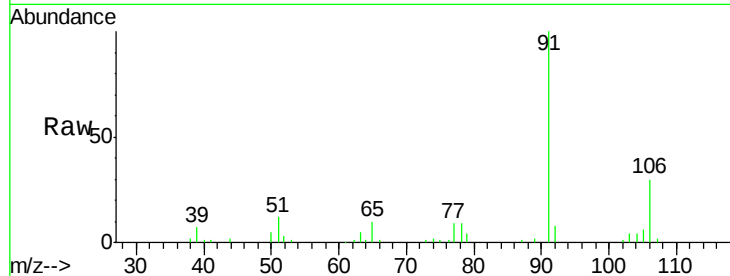
VSTD0.503

Tgt Ion: 91 Resp: 39516

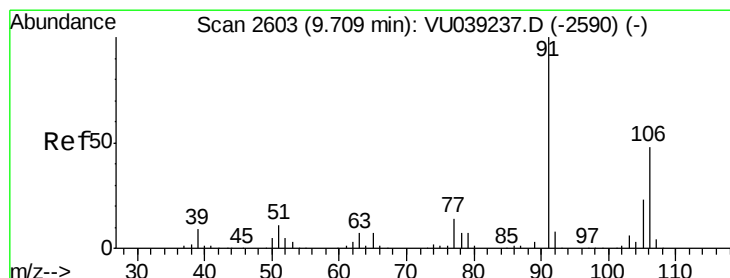
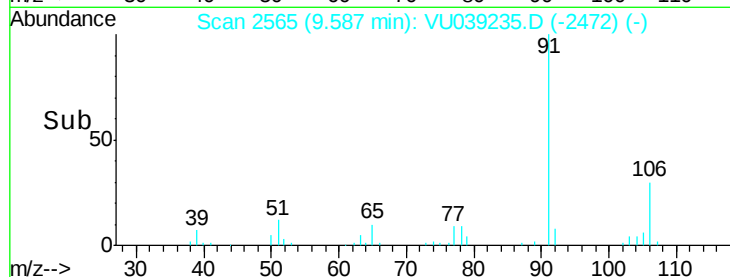
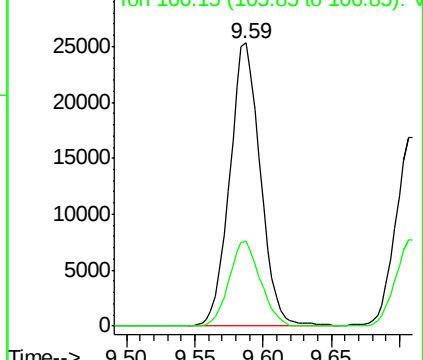
Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039235.D (-2551) (-)



#53

m,p-Xylene

Concen: 0.433 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039235.D

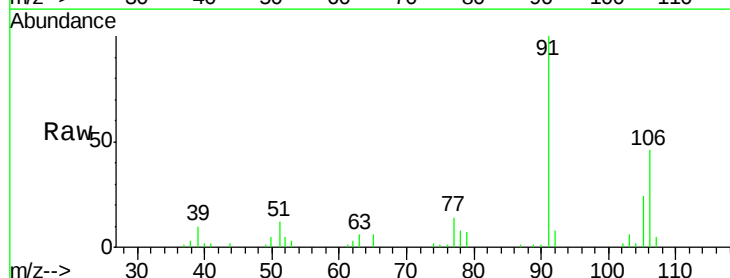
Acq: 30 Jun 2020 13:29

Tgt Ion: 106 Resp: 12995

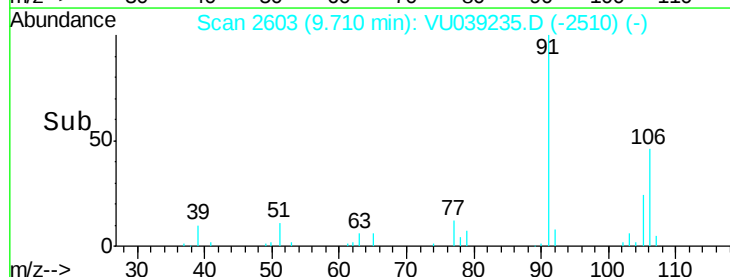
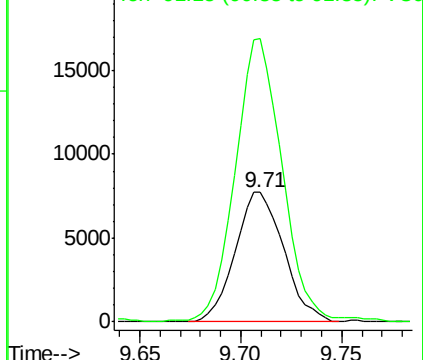
Ion Ratio Lower Upper

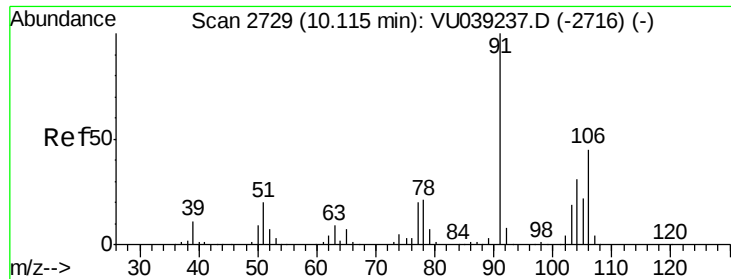
106 100

91 218.8 147.3 273.5



Abundance Ion 106.15 (105.85 to 106.85): VU039235.D (-2590) (-)

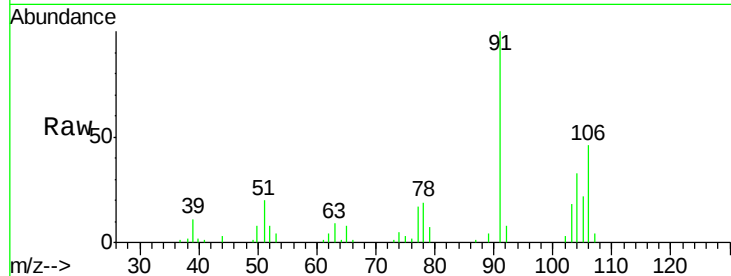




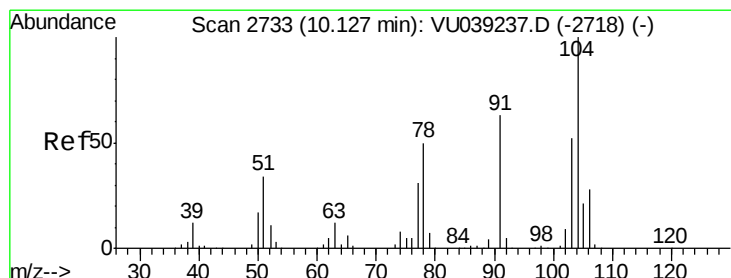
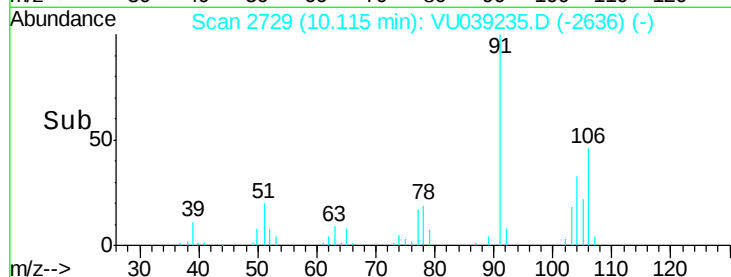
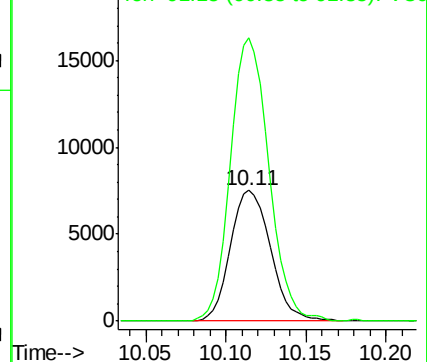
#54
o-Xylene
Concen: 0.449 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion:106 Resp: 12856
Ion Ratio Lower Upper
106 100
91 216.8 154.2 286.4

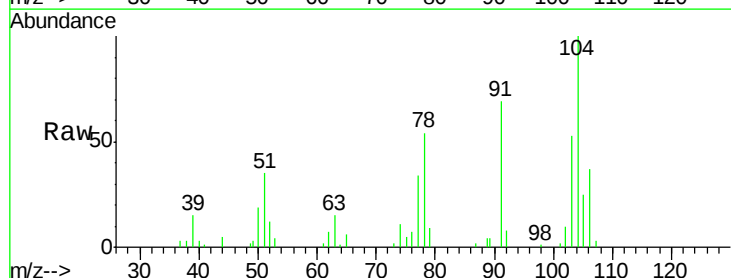


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

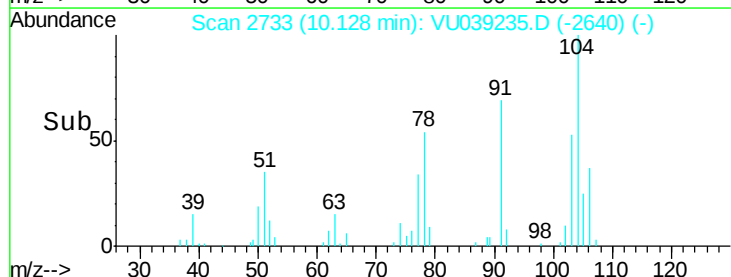
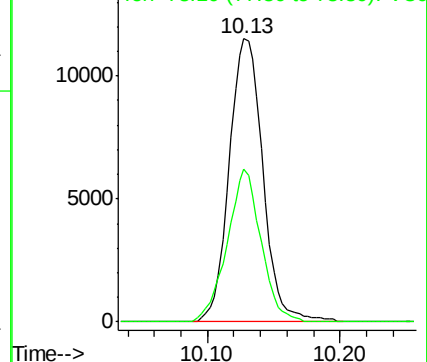


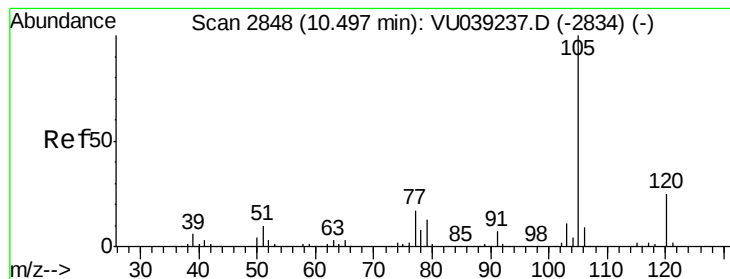
#55
Styrene
Concen: 0.409 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039235.D
Acq: 30 Jun 2020 13:29

Tgt Ion:104 Resp: 20300
Ion Ratio Lower Upper
104 100
78 54.2 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: 0.455 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

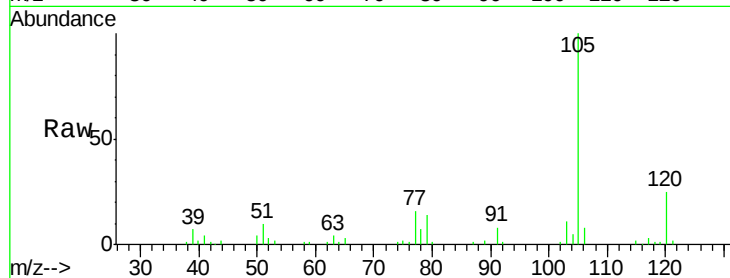
Tgt Ion:105 Resp: 33515

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

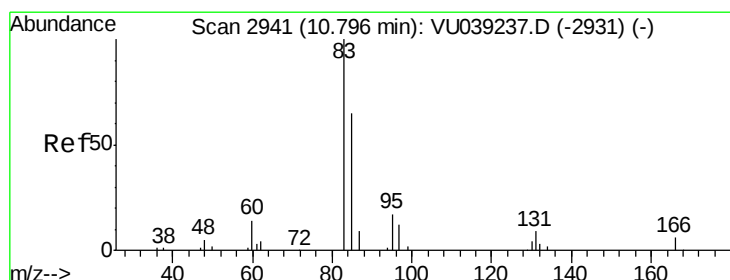
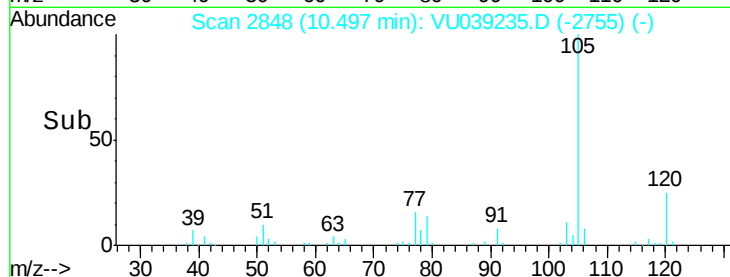
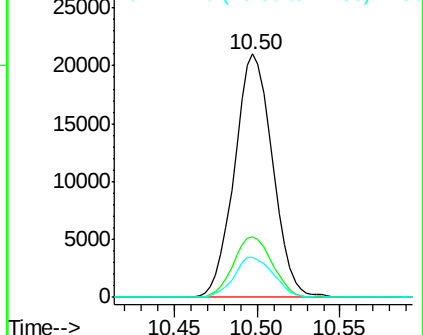
77 16.9 13.3 19.9



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: 0.494 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

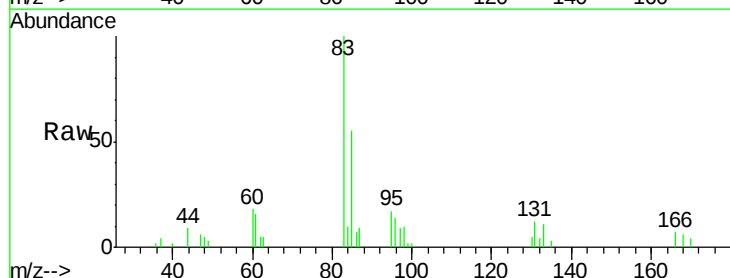
Tgt Ion: 83 Resp: 9206

Ion Ratio Lower Upper

83 100

85 54.9 45.4 84.4

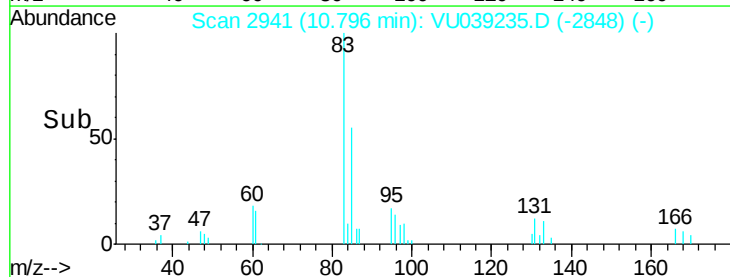
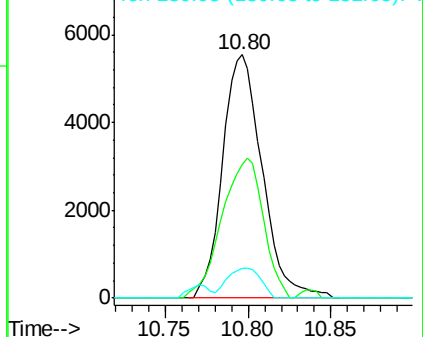
131 12.0 8.4 12.6

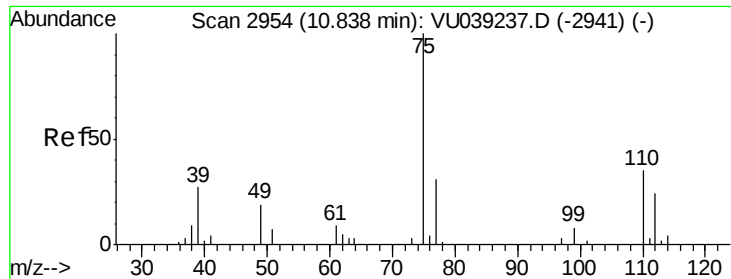


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.565 ug/L

RT: 10.83 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

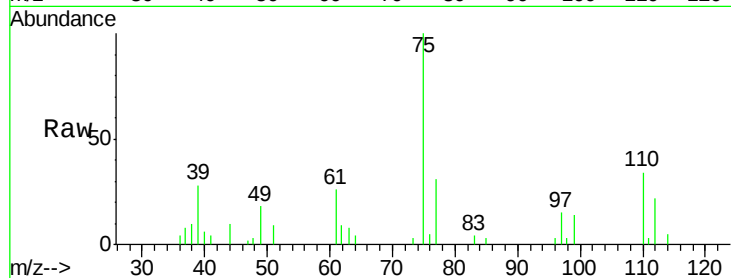
VSTD0.503

Tgt Ion: 75 Resp: 8174

Ion Ratio Lower Upper

75 100

77 30.3 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU039235.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU039235.D (-2941) (-)

10.83

6000

5000

4000

3000

2000

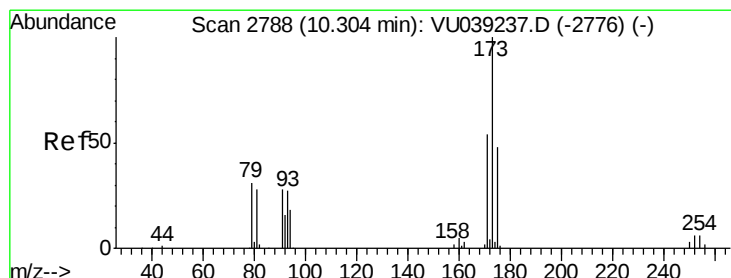
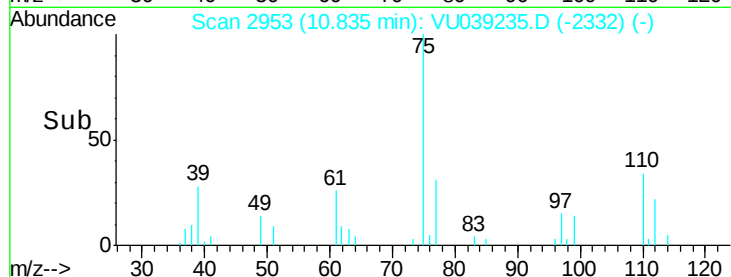
1000

0

Time-->

10.80

10.85



#61

Bromoform

Concen: 0.563 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

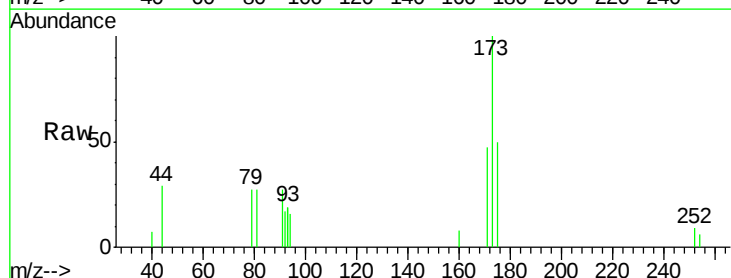
Tgt Ion: 173 Resp: 4944

Ion Ratio Lower Upper

173 100

175 45.6 38.6 58.0

254 4.4 5.0 7.6#



Abundance Ion 172.90 (172.60 to 173.60): VU039235.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU039235.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU039235.D (-2776) (-)

10.31

3000

2000

1000

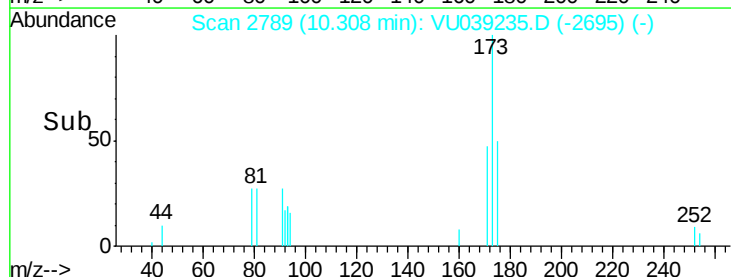
0

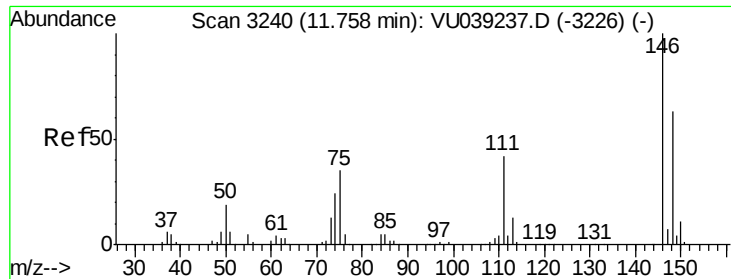
Time-->

10.25

10.30

10.35

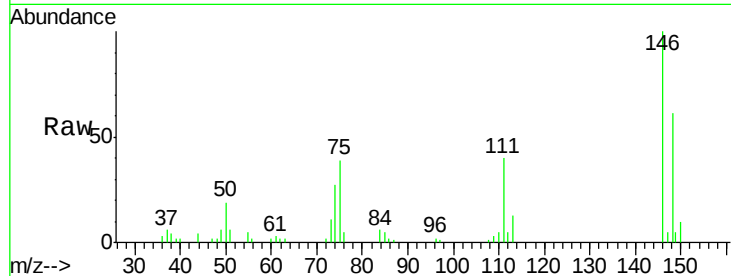




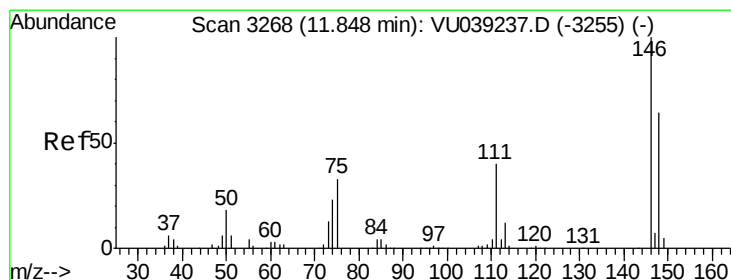
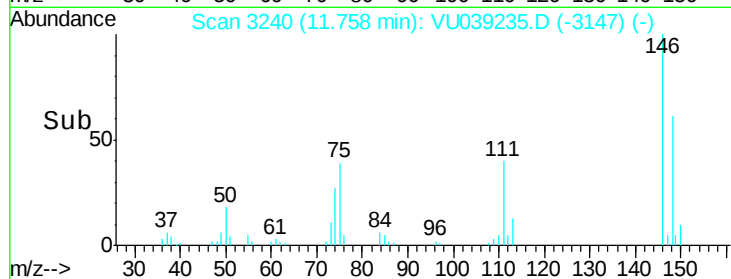
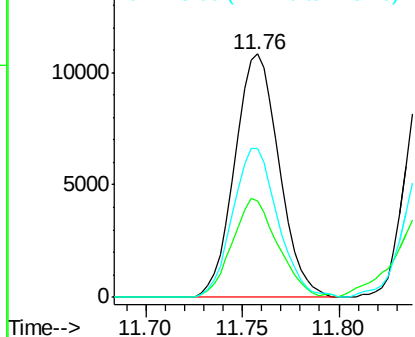
#62
 1,3-Dichlorobenzene
 Concen: 0.498 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:146 Resp: 17267
 Ion Ratio Lower Upper
 146 100
 111 39.7 29.6 55.0
 148 61.2 44.0 81.8

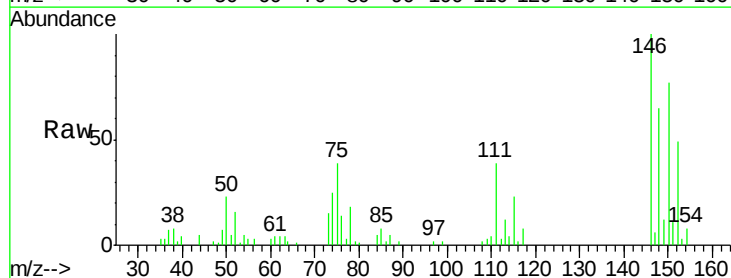


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

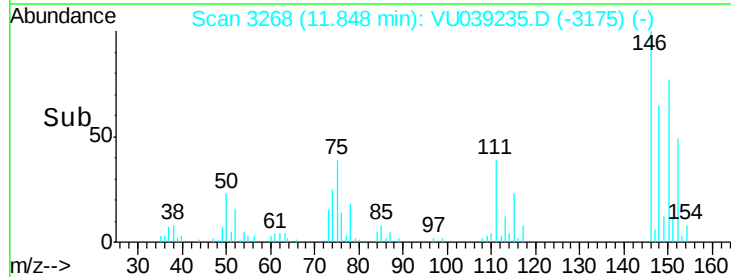
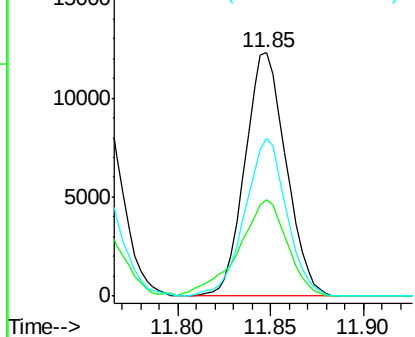


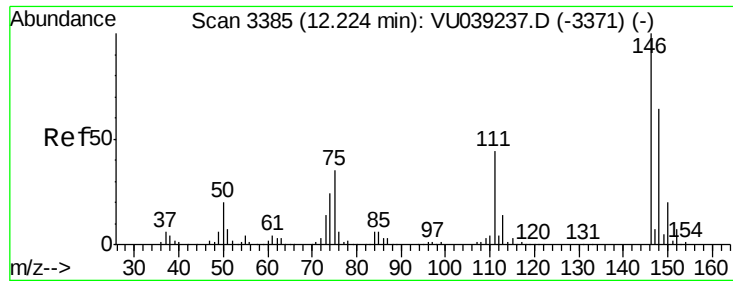
#63
 1,4-Dichlorobenzene
 Concen: 0.539 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Tgt Ion:146 Resp: 18890
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.3 52.5
 148 65.0 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: 0.524 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

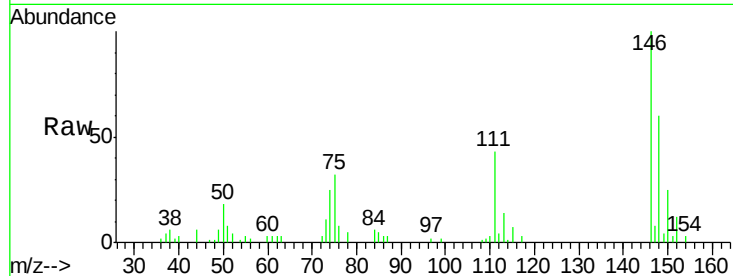
Tgt Ion:146 Resp: 17474

Ion Ratio Lower Upper

146 100

111 43.2 35.1 52.7

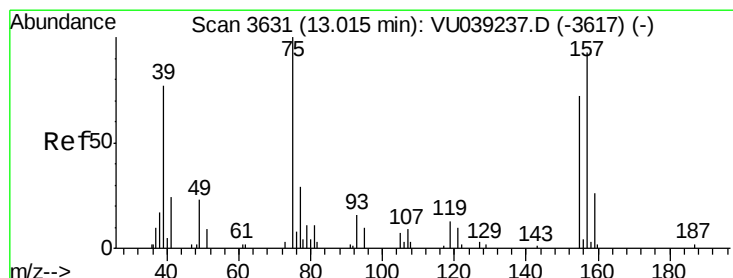
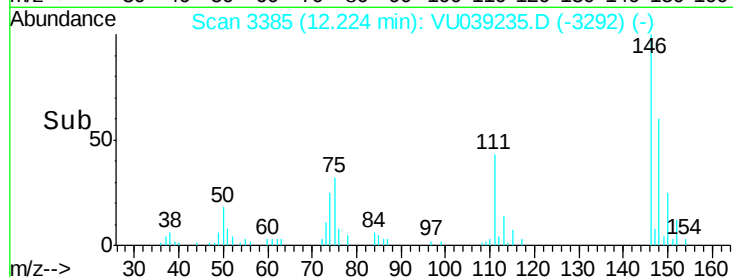
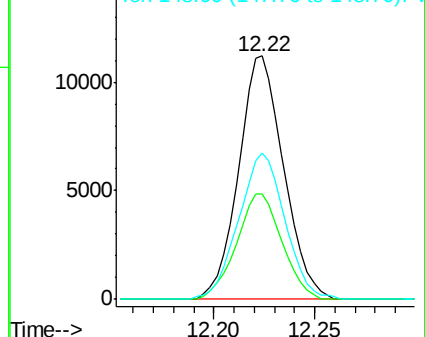
148 60.1 51.4 77.2



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: 0.482 ug/L

RT: 13.01 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

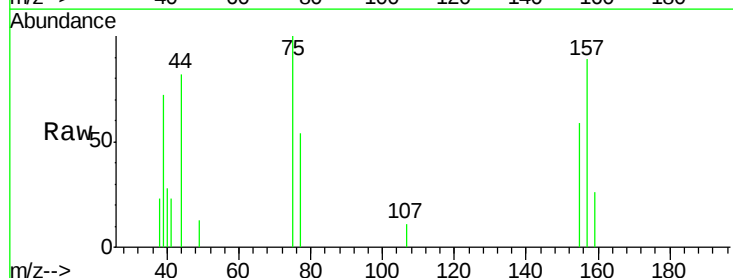
Tgt Ion: 75 Resp: 1602

Ion Ratio Lower Upper

75 100

155 59.4 57.9 86.9

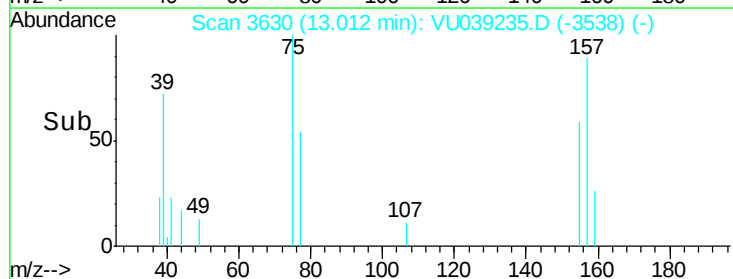
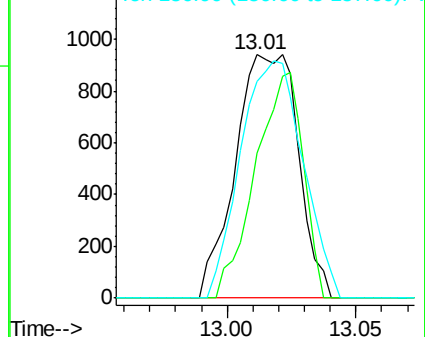
157 89.1 74.2 111.2

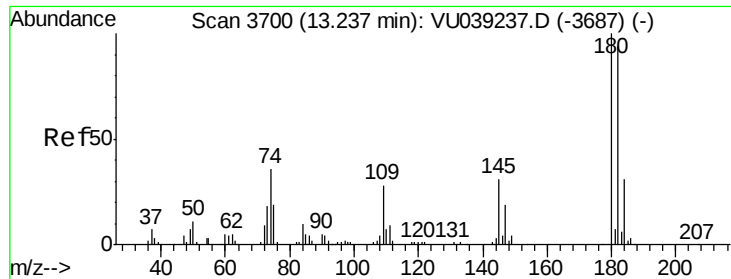


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

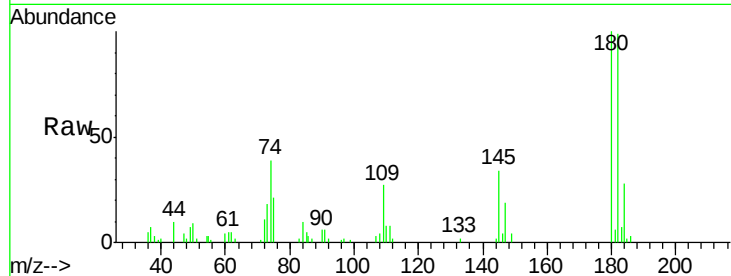




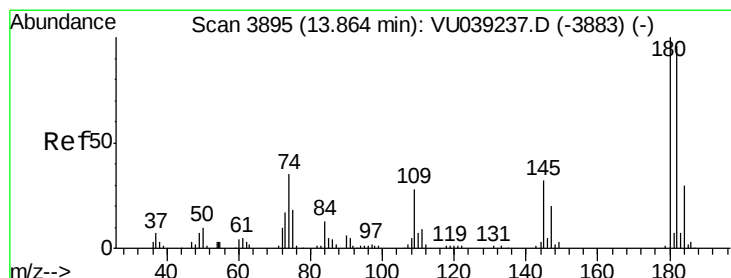
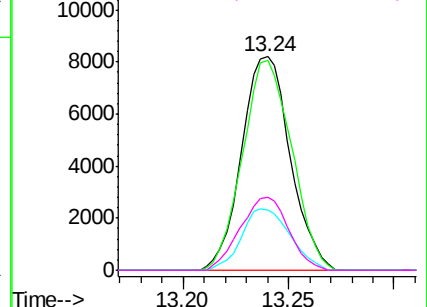
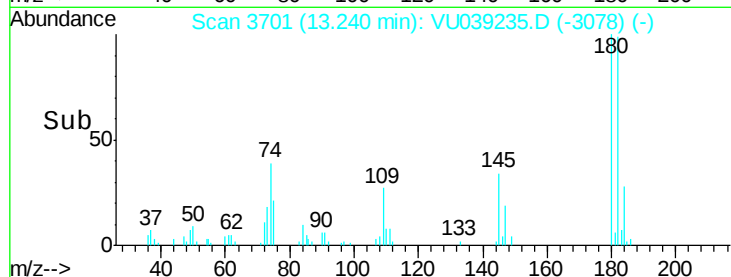
#67
 1,3,5-Trichlorobenzene
 Concen: 0.520 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:180 Resp: 13152
 Ion Ratio Lower Upper
 180 100
 182 99.3 75.5 113.3
 184 28.8 24.6 37.0
 145 34.2 24.2 36.2

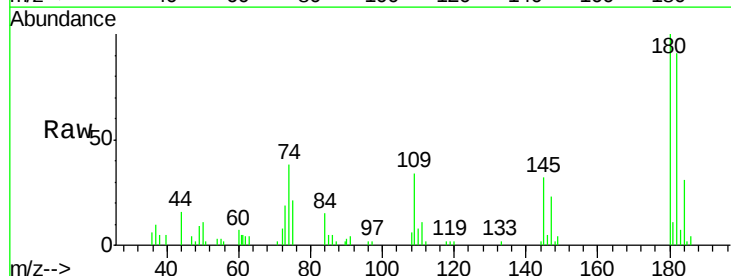


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

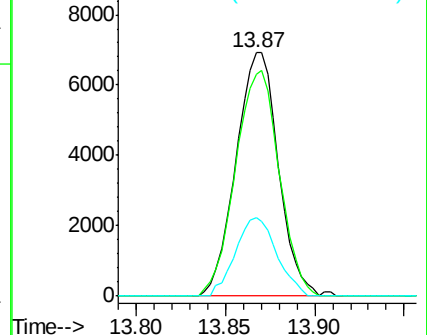
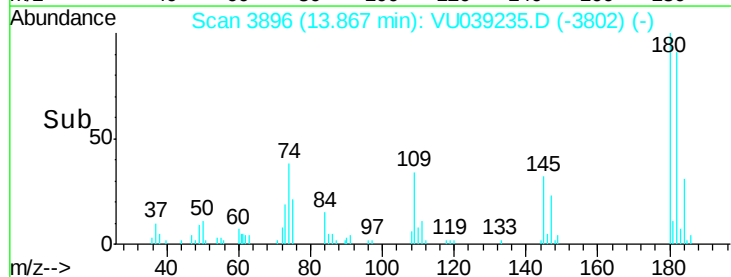


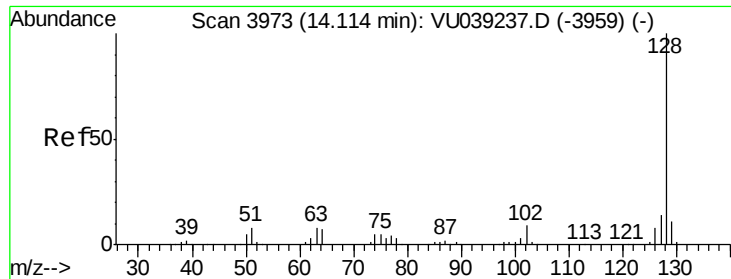
#68
 1,2,4-trichlorobenzene
 Concen: 0.526 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU039235.D
 Acq: 30 Jun 2020 13:29

Tgt Ion:180 Resp: 11500
 Ion Ratio Lower Upper
 180 100
 182 95.2 78.3 117.5
 145 31.1 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: 0.484 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

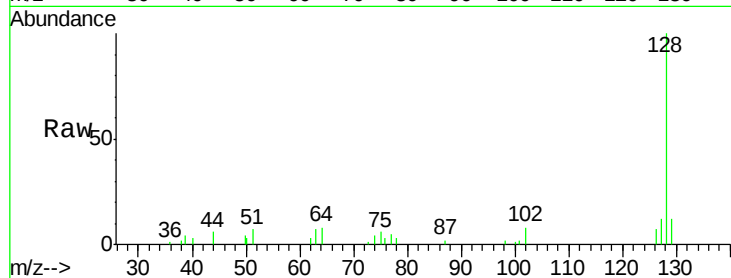
Tgt Ion:128 Resp: 20121

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

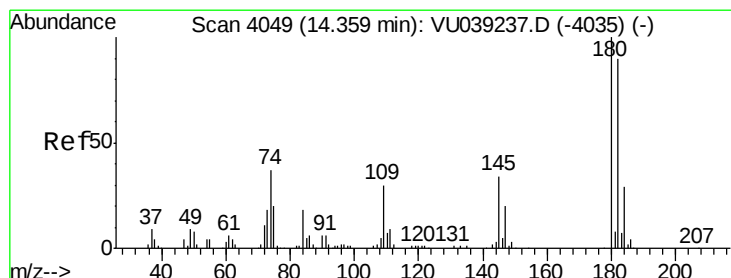
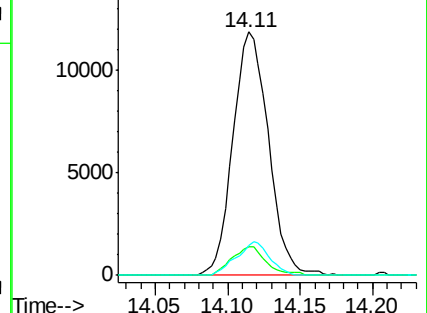
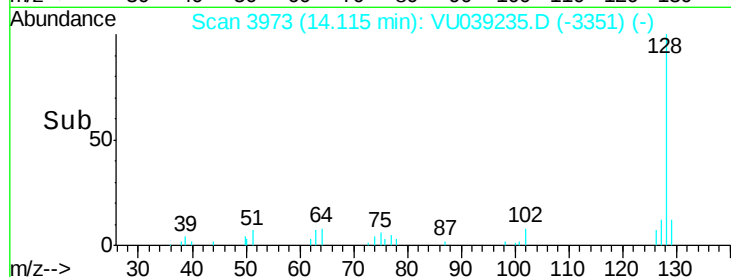
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.482 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU039235.D

Acq: 30 Jun 2020 13:29

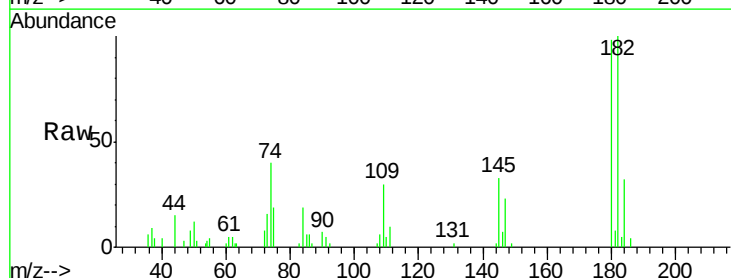
Tgt Ion:180 Resp: 10064

Ion Ratio Lower Upper

180 100

182 101.7 73.6 110.4

145 33.3 28.0 42.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

