

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039239.D
 Acq On : 30 Jun 2020 15:01
 Operator : SY/MD
 Sample : VSTD02001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Quant Time: Jun 30 15:18:53 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	308785	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	310272	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	158832	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	454632	17.00	ug/L	0.00
7) Chloroethane-d5	1.93	69	395392	18.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	845707	16.88	ug/L	0.00
20) 2-Butanone-d5	4.68	46	2092913	246.75	ug/L	0.00
24) Chloroform-d	5.10	84	870800	17.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	520184	17.03	ug/L	0.00
32) Benzene-d6	5.76	84	1612722	17.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	568761	19.33	ug/L	0.00
41) Toluene-d8	7.92	98	1324817	16.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	258748	19.01	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	1706800	270.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	568524	21.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	546918	16.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	526989	17.638 ug/L	100
3) Chloromethane	1.53	50	646908	21.014 ug/L	99
5) Vinyl chloride	1.62	62	640129	20.799 ug/L	99
6) Bromomethane	1.88	94	319770	19.584 ug/L	97
8) Chloroethane	1.95	64	386690	20.592 ug/L	99
9) Trichlorofluoromethane	2.16	101	740979	17.187 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	428405	18.306 ug/L	94
12) 1,1-Dichloroethene	2.60	96	416931	18.596 ug/L	93
13) Acetone	2.68	43	1131715	217.727 ug/L	100
14) Carbon disulfide	2.82	76	1478240	19.028 ug/L	100
15) Methyl Acetate	2.99	43	282841	22.082 ug/L	93
16) Methylene chloride	3.08	84	479211	17.810 ug/L	89
17) Methyl tert-butyl Ether	3.40	73	1248947	20.820 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	436663	18.432 ug/L	93
19) 1,1-Dichloroethane	3.91	63	898910	19.935 ug/L	99
21) 2-Butanone	4.75	43	2019163	247.018 ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	487298	20.459 ug/L	90
23) Bromochloromethane	5.01	128	210159	18.210 ug/L	# 81
25) Chloroform	5.12	83	857717	18.987 ug/L	96
27) 1,2-Dichloroethane	5.83	62	627087	18.737 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	716425	17.706 ug/L	97
30) Cyclohexane	5.42	56	874060	23.297 ug/L	93
31) Carbon tetrachloride	5.56	117	587492	17.238 ug/L	100
33) Benzene	5.81	78	1947879	20.118 ug/L	100
34) Trichloroethene	6.57	95	466377	18.824 ug/L	96
35) Methylcyclohexane	6.79	83	811941	22.099 ug/L	95
37) 1,2-Dichloropropane	6.82	63	541201	21.159 ug/L	98
38) Bromodichloromethane	7.13	83	634683	19.066 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	791877	21.636 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	4738041	256.939 ug/L	97

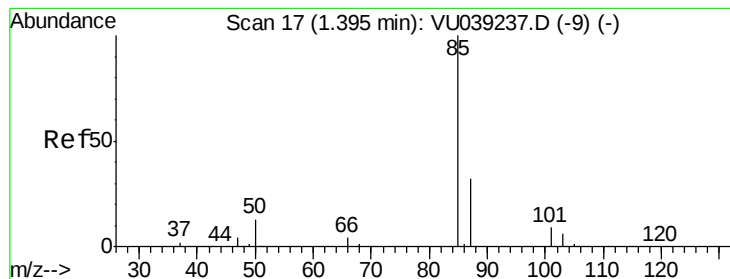
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	2031585	21.023	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	735861	20.378	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	375362	19.667	ug/L	95
47) Tetrachloroethene	8.57	164	320559	18.011	ug/L	96
48) 2-Hexanone	8.71	43	3578604	253.123	ug/L	97
49) Dibromochloromethane	8.83	129	419358	18.992	ug/L	96
50) 1,2-Dibromoethane	8.94	107	369300	19.768	ug/L	94
51) Chlorobenzene	9.47	112	1212495	19.332	ug/L	97
52) Ethylbenzene	9.59	91	2245889	21.345	ug/L	98
53) m,p-Xylene	9.71	106	824546	21.204	ug/L	98
54) o-Xylene	10.11	106	800951	21.582	ug/L	98
55) Styrene	10.13	104	1434494	22.275	ug/L	98
56) Isopropylbenzene	10.50	105	2145972	22.458	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	517617	21.420	ug/L #	99
59) 1,2,3-Trichloropropane	10.84	75	399712	21.310	ug/L	99
61) Bromoform	10.31	173	237995	18.695	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	926138	18.415	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	937159	18.462	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	906020	18.749	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	98755	20.495	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	671040	18.314	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	620186	19.556	ug/L	98
69) Naphthalene	14.11	128	1408577	23.396	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	581142	19.191	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 17.638 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

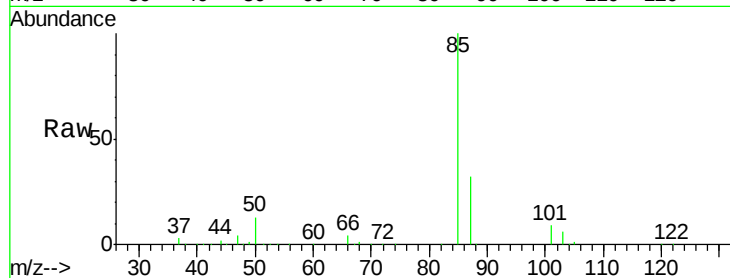
VSTD02001

Tgt Ion: 85 Resp: 526989

Ion Ratio Lower Upper

85 100

87 31.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU039239.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039239.D (-9) (-)

1.39

500000

400000

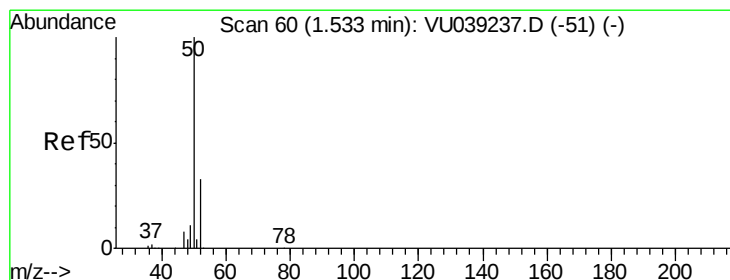
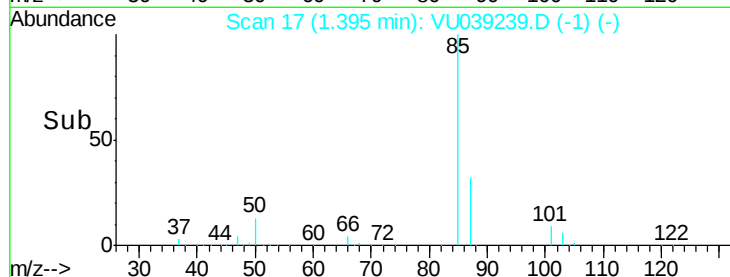
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 21.014 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039239.D

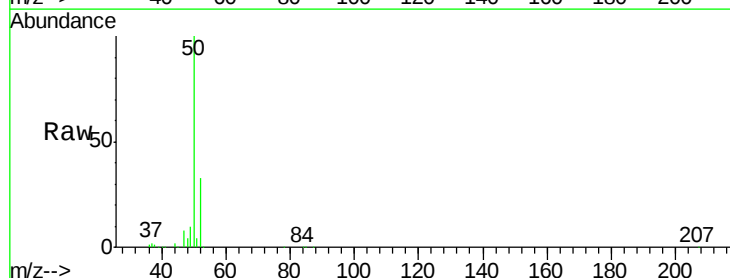
Acq: 30 Jun 2020 15:01

Tgt Ion: 50 Resp: 646908

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU039239.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU039239.D (-51) (-)

1.53

600000

500000

400000

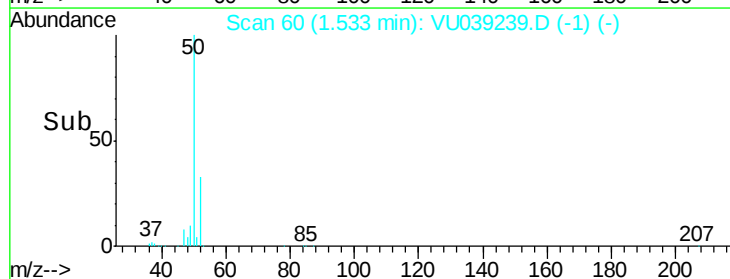
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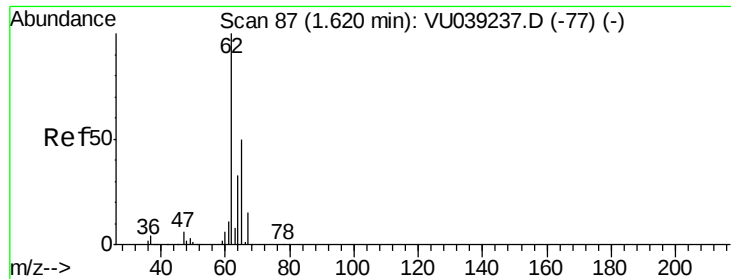
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100000

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Time-->





#5

Vinyl chloride

Concen: 20.799 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

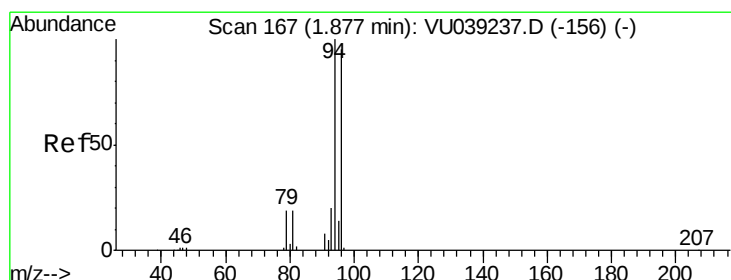
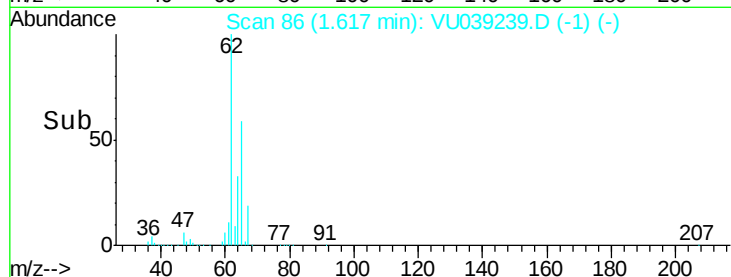
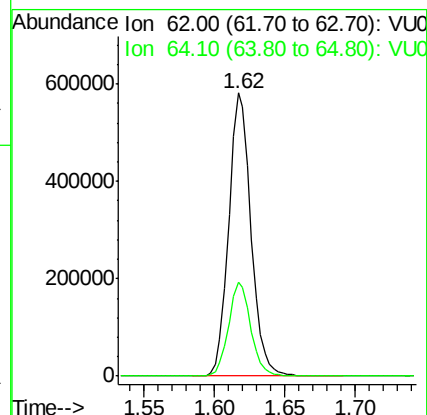
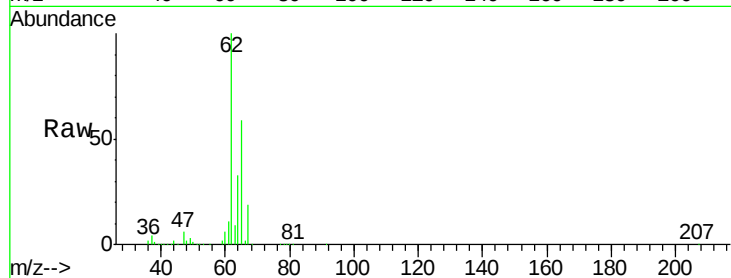
VSTD02001

Tgt Ion: 62 Resp: 640129

Ion Ratio Lower Upper

62 100

64 33.1 22.8 42.4



#6

Bromomethane

Concen: 19.584 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039239.D

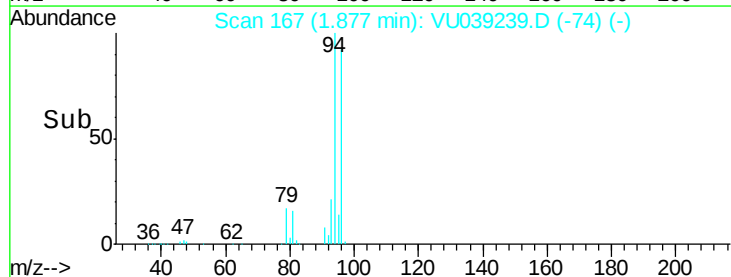
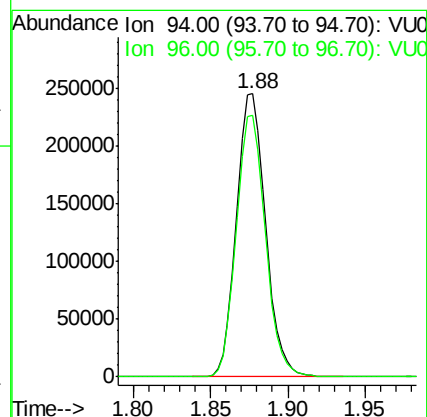
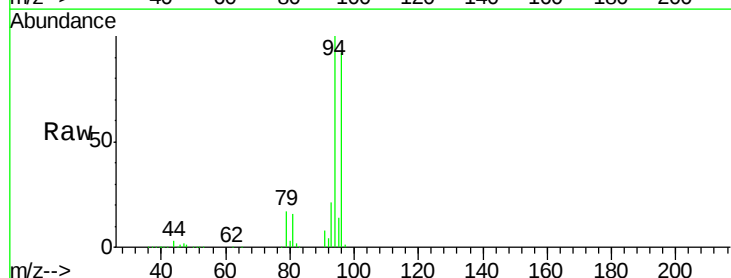
Acq: 30 Jun 2020 15:01

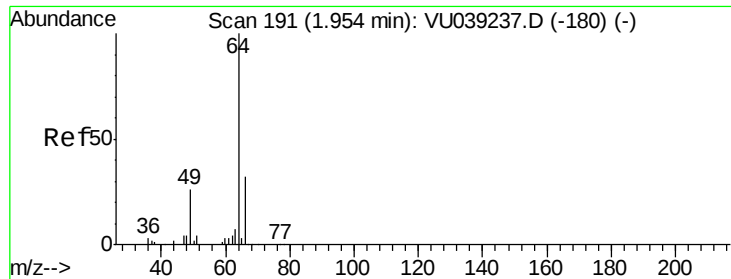
Tgt Ion: 94 Resp: 319770

Ion Ratio Lower Upper

94 100

96 92.4 66.7 123.9

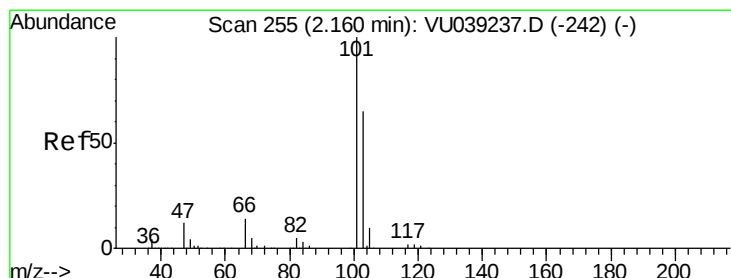
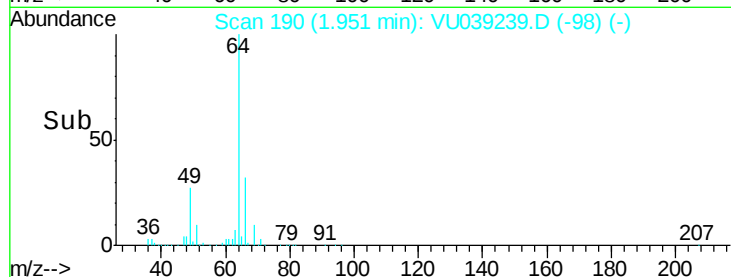
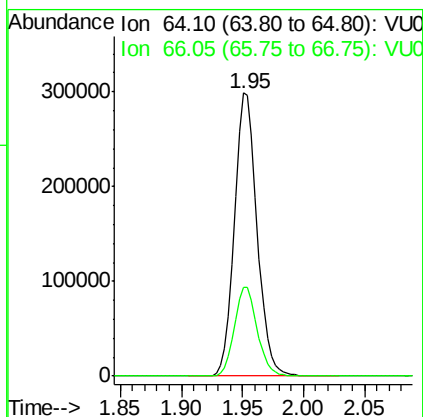
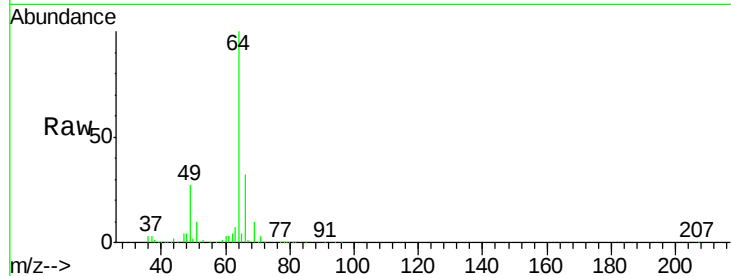




#8
Chloroethane
Concen: 20.592 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

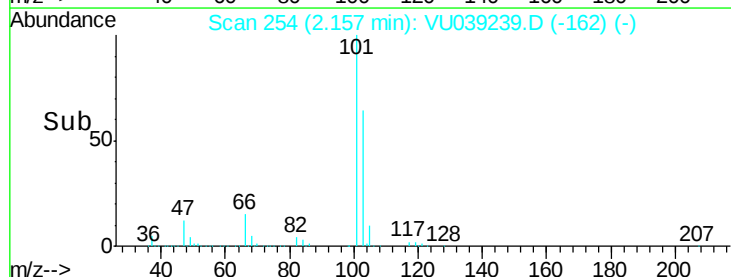
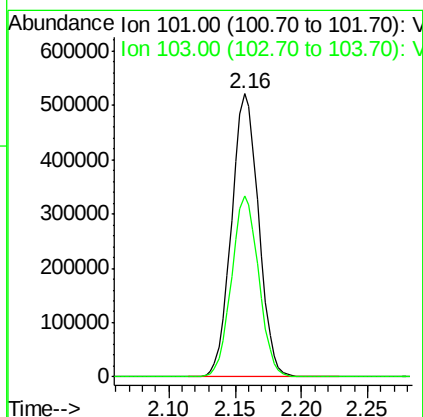
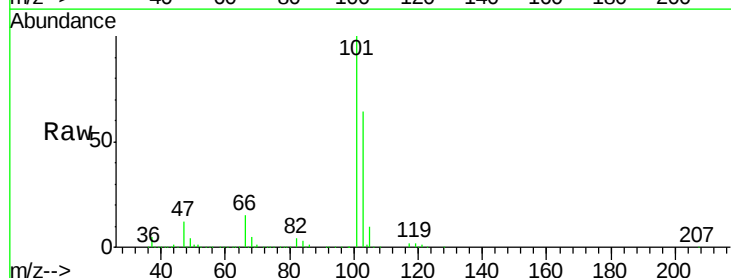
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

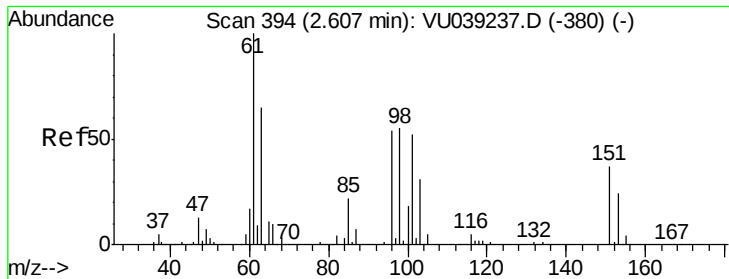
Tgt Ion: 64 Resp: 386690
Ion Ratio Lower Upper
64 100
66 31.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 17.187 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

Tgt Ion: 101 Resp: 740979
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.0





#10

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

Concen: 18.306 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

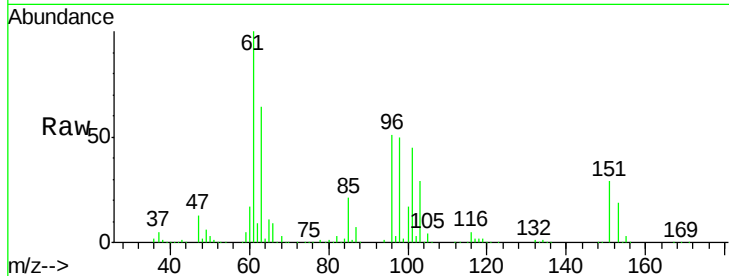
Tgt Ion: 101 Resp: 428405

Ion Ratio Lower Upper

101 100

85 46.2 34.7 52.1

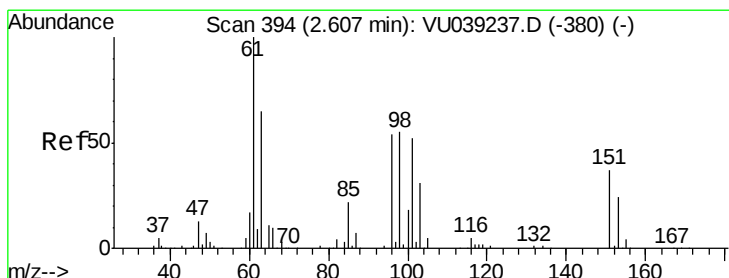
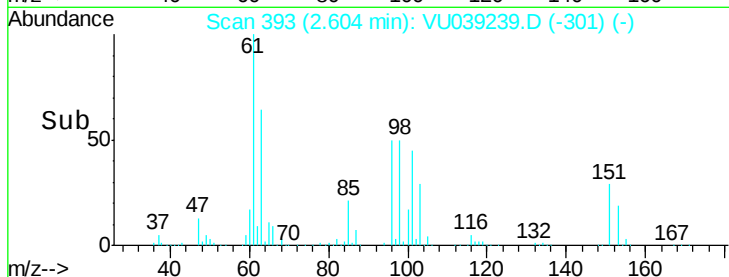
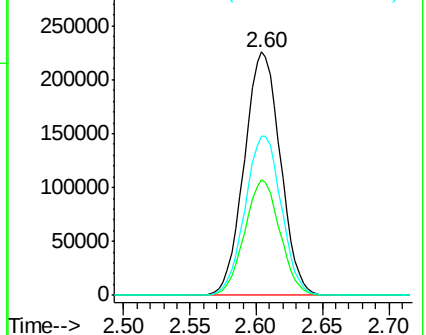
151 65.7 57.4 86.2



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: 18.596 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

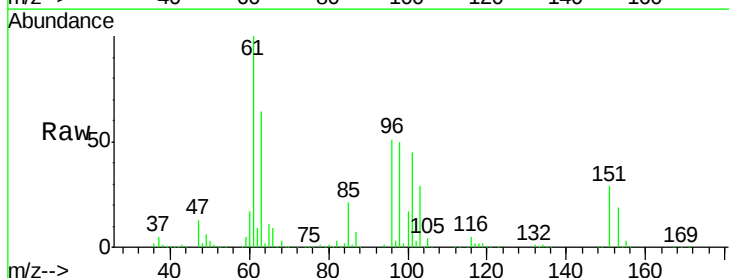
Tgt Ion: 96 Resp: 416931

Ion Ratio Lower Upper

96 100

61 198.0 129.1 239.7

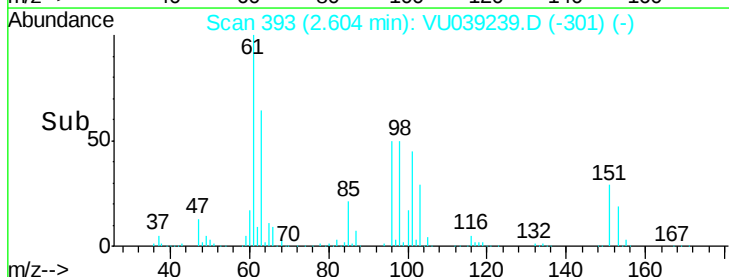
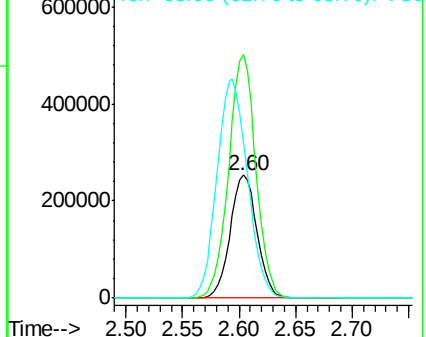
63 126.8 85.5 158.7

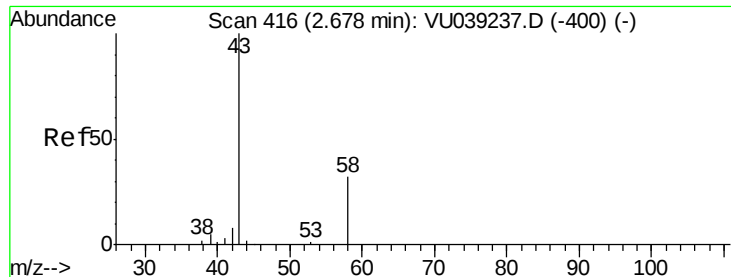


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 217.727 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

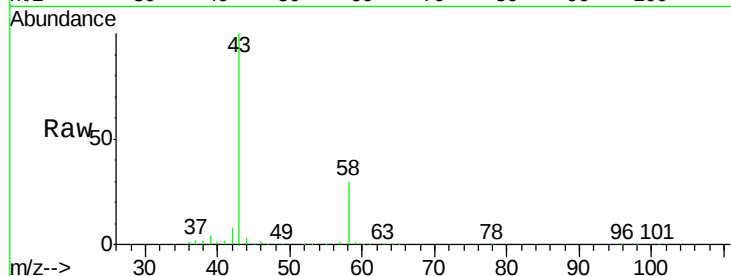
VSTD02001

Tgt Ion: 43 Resp: 1131715

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VU039237.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU039237.D (-400) (-)

2.68

300000

250000

200000

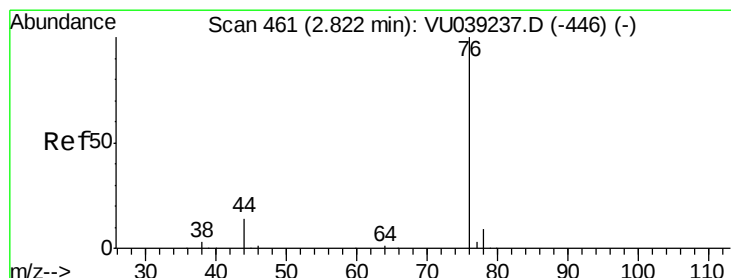
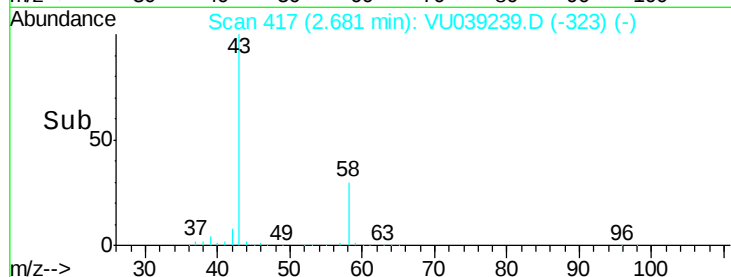
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50000

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Time-->



#14

Carbon disulfide

Concen: 19.028 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039239.D

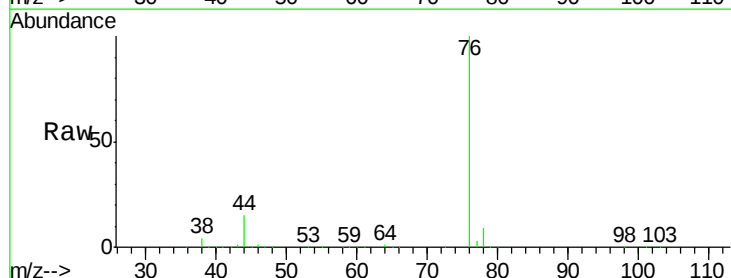
Acq: 30 Jun 2020 15:01

Tgt Ion: 76 Resp: 1478240

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039237.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039237.D (-446) (-)

2.82

1000000

800000

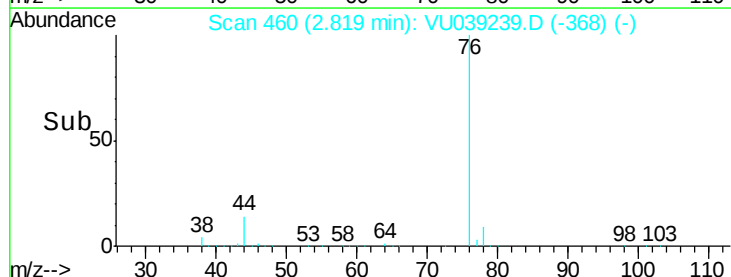
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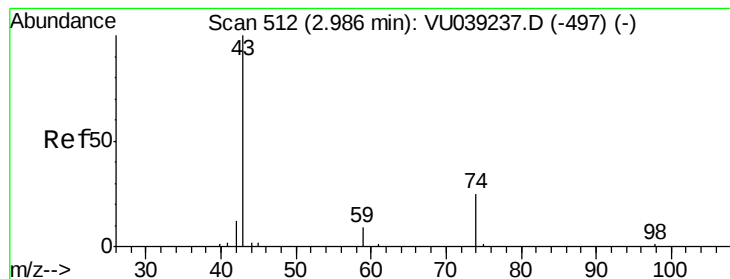
400000

200000

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Time-->





#15

Methyl Acetate

Concen: 22.082 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

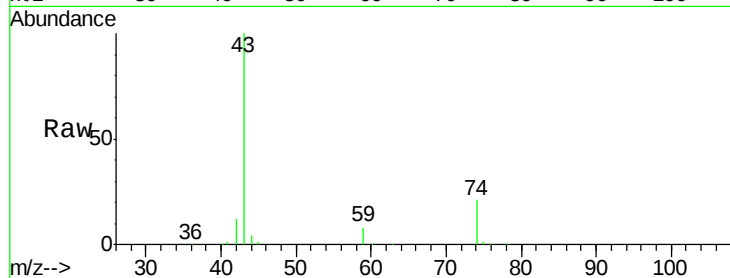
VSTD02001

Tgt Ion: 43 Resp: 282841

Ion Ratio Lower Upper

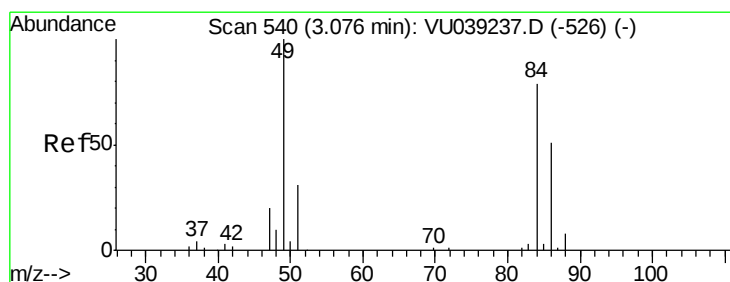
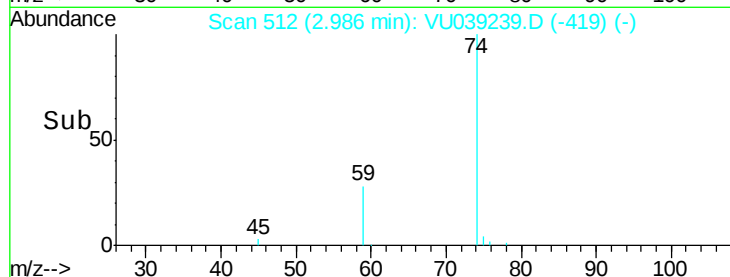
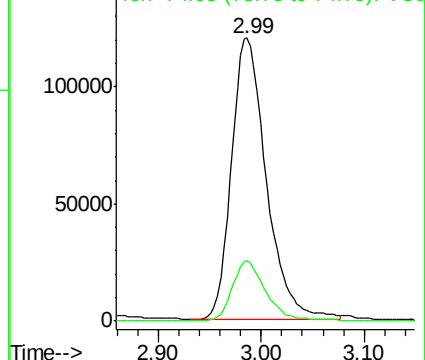
43 100

74 20.9 19.6 29.4



Abundance Ion 43.05 (42.75 to 43.75): VU039239.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VU039239.D (-419) (-)



#16

Methylene chloride

Concen: 17.810 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

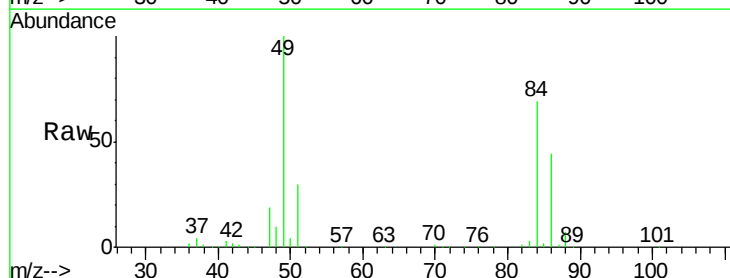
Tgt Ion: 84 Resp: 479211

Ion Ratio Lower Upper

84 100

86 64.0 44.9 83.5

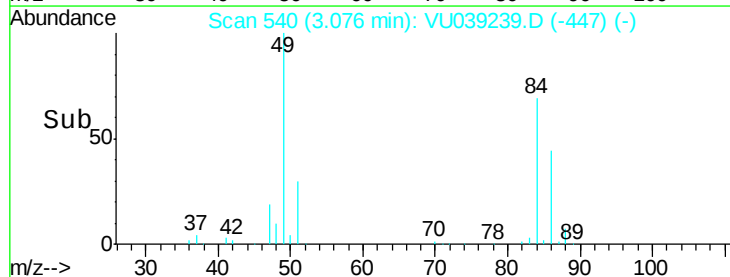
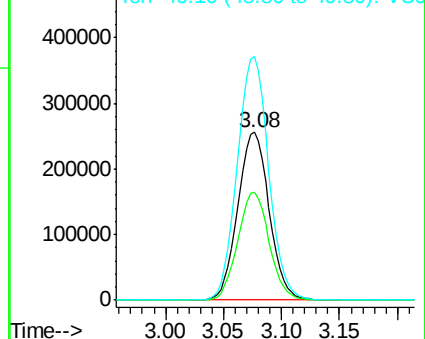
49 145.1 88.4 164.2

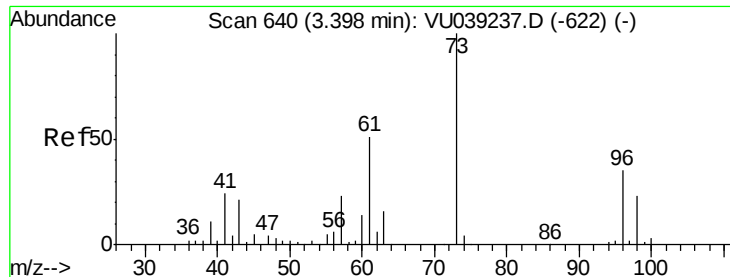


Abundance Ion 84.05 (83.75 to 84.75): VU039239.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU039239.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU039239.D (-447) (-)



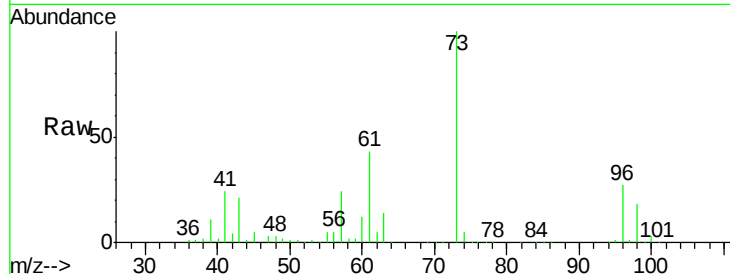


#17

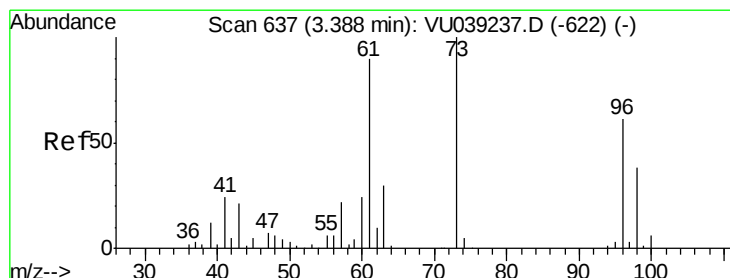
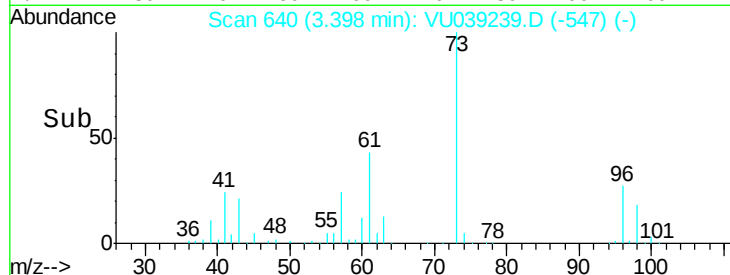
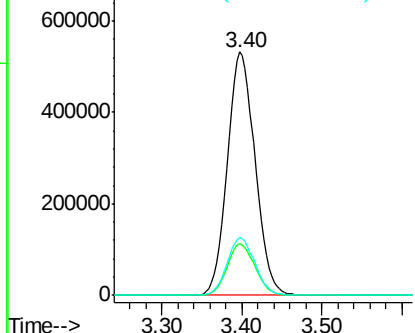
Methyl tert-butyl Ether
 Concen: 20.820 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. 0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion: 73 Resp: 1248947
 Ion Ratio Lower Upper
 73 100
 43 21.4 17.4 26.0
 57 23.9 17.6 26.4



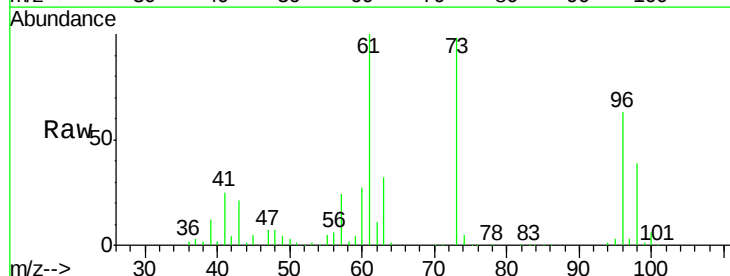
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



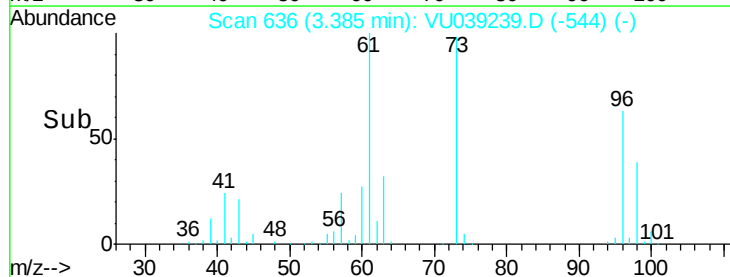
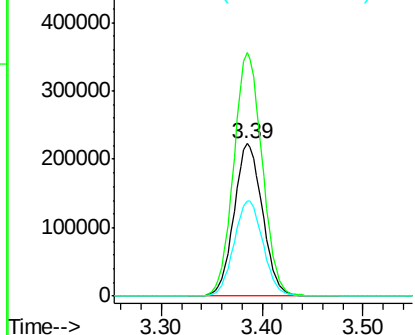
#18

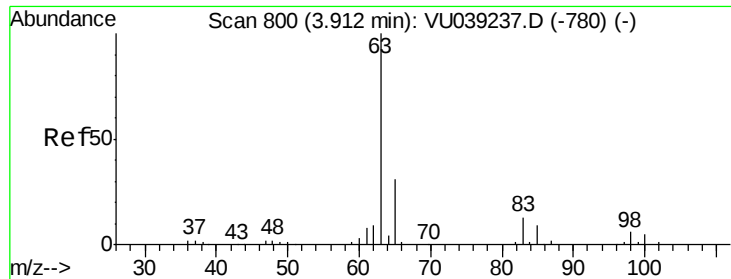
trans-1,2-Dichloroethene
 Concen: 18.432 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

Tgt Ion: 96 Resp: 436663
 Ion Ratio Lower Upper
 96 100
 61 159.6 103.3 191.8
 98 62.5 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

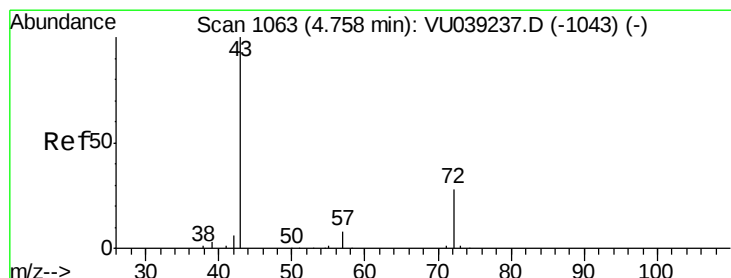
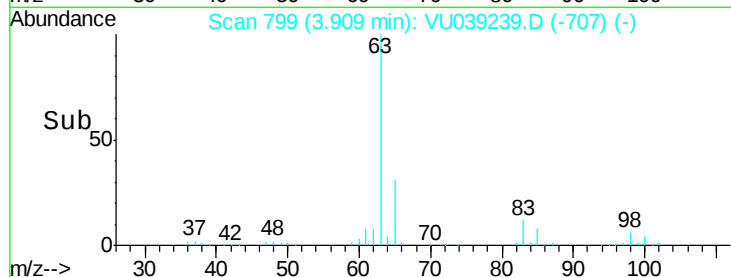
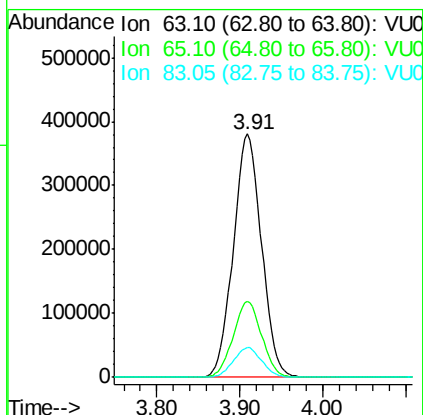
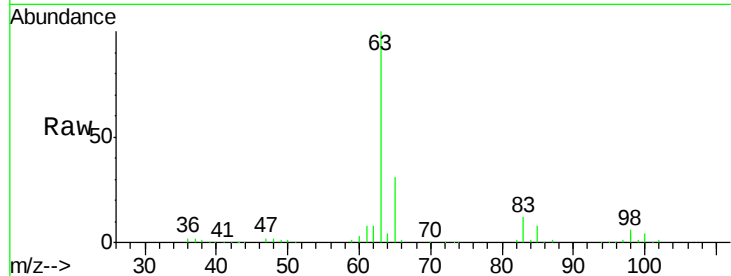




#19
 1,1-Dichloroethane
 Concen: 19.935 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

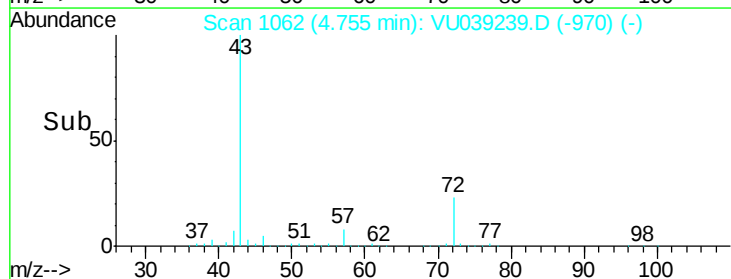
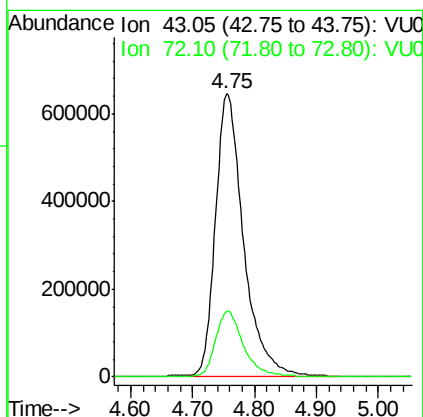
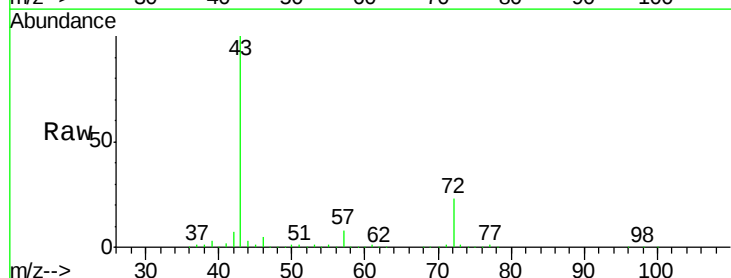
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

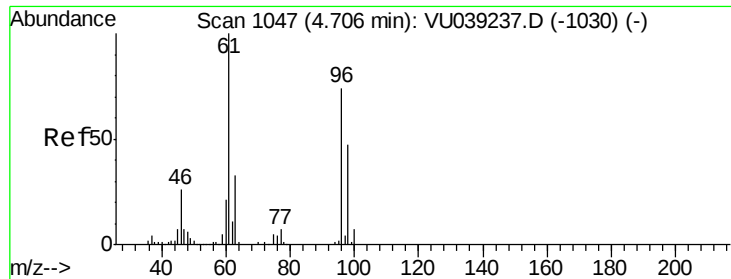
Tgt Ion: 63 Resp: 898910
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.9 40.7
 83 12.1 9.2 17.2



#21
 2-Butanone
 Concen: 247.018 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

Tgt Ion: 43 Resp: 2019163
 Ion Ratio Lower Upper
 43 100
 72 23.7 13.7 41.0





#22

cis-1,2-Dichloroethene

Concen: 20.459 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

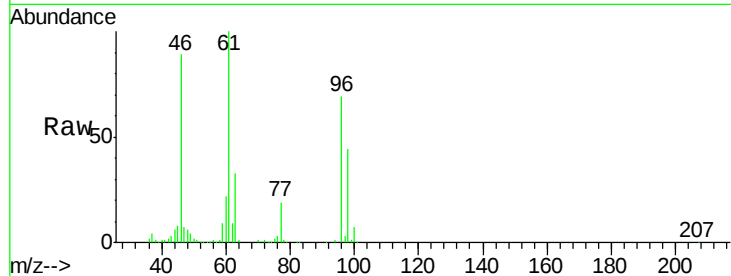
Tgt Ion: 96 Resp: 487298

Ion Ratio Lower Upper

96 100

61 146.0 94.2 175.0

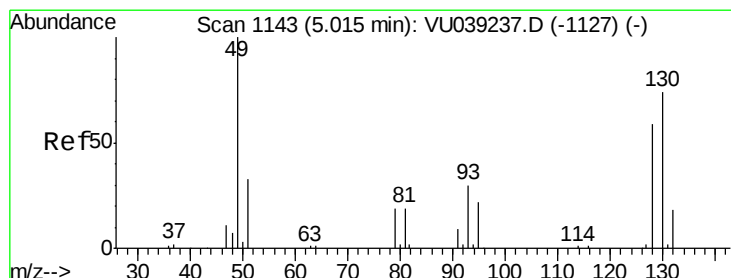
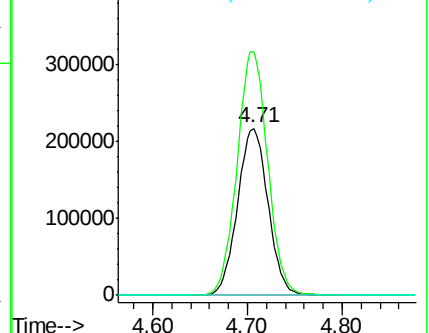
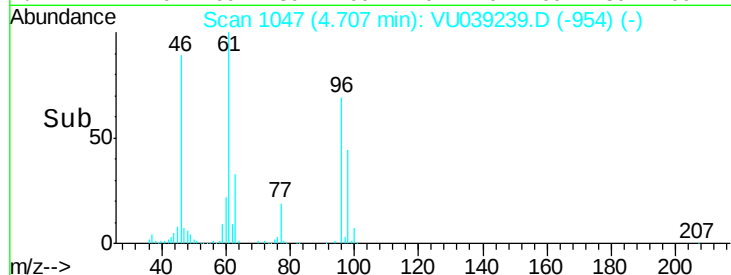
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039239.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039239.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039239.D (-954) (-)



#23

Bromochloromethane

Concen: 18.210 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Tgt Ion: 128 Resp: 210159

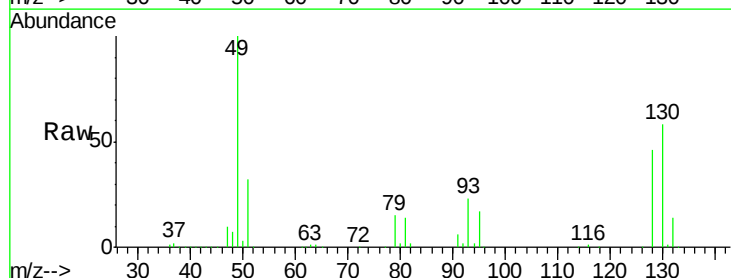
Ion Ratio Lower Upper

128 100

49 216.9 119.1 221.1

130 124.7 87.8 163.2

51 68.8 45.2 67.8#

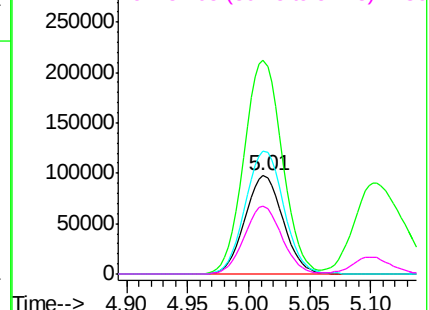
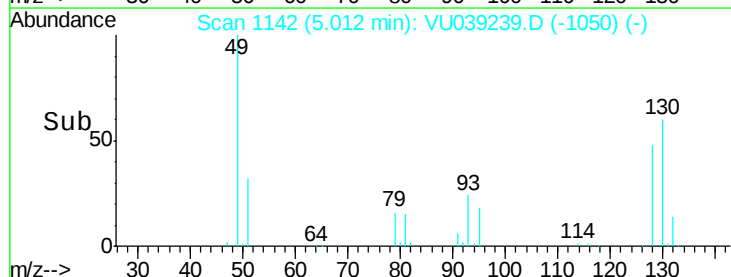


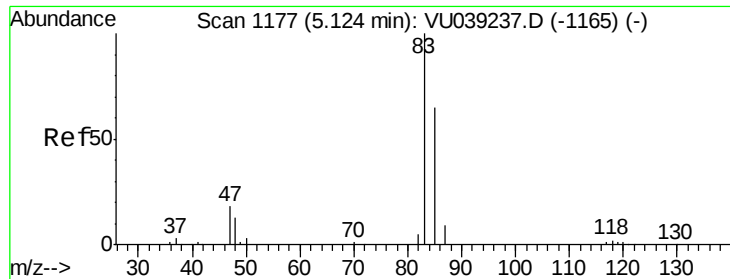
Abundance Ion 127.90 (127.60 to 128.60): VU039239.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU039239.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU039239.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU039239.D (-1050) (-)

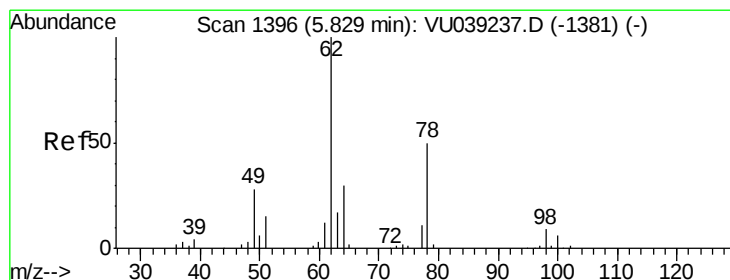
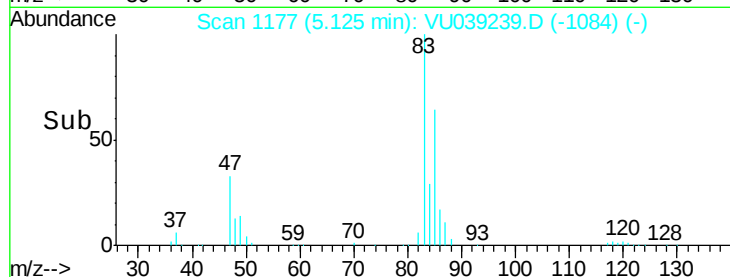
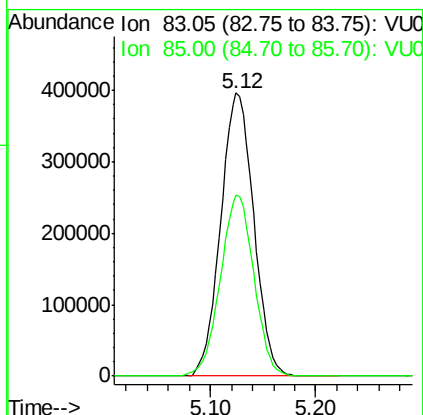
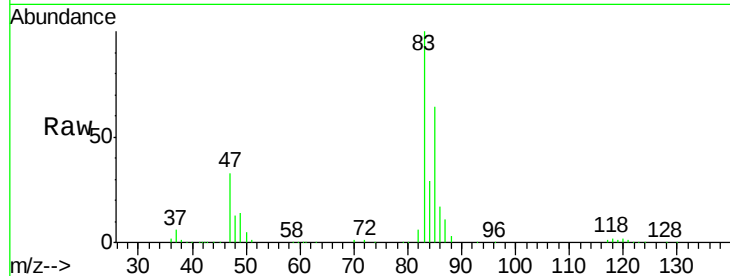




#25
Chloroform
Concen: 18.987 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

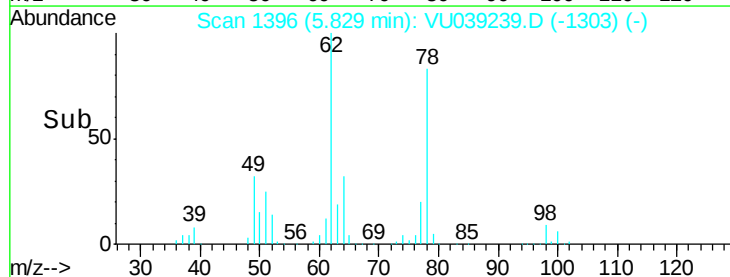
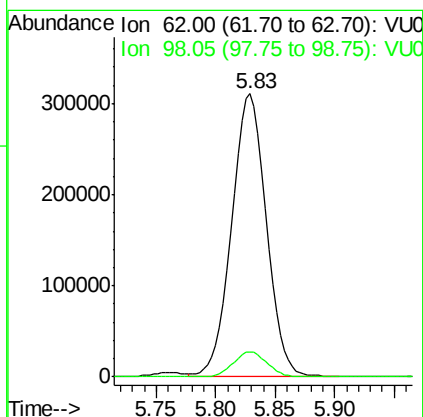
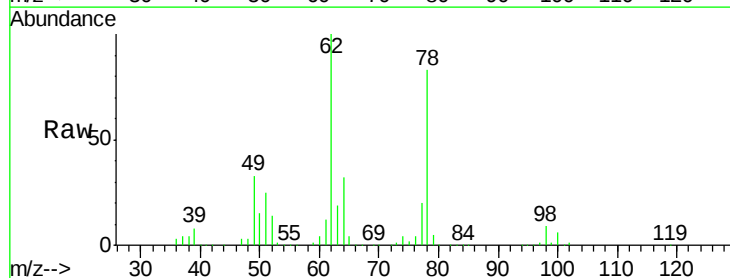
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

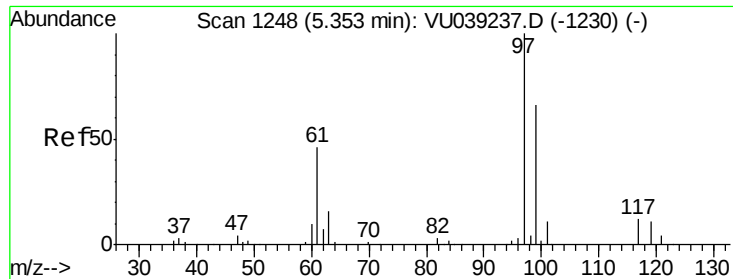
Tgt Ion: 83 Resp: 857717
Ion Ratio Lower Upper
83 100
85 64.1 47.0 87.4



#27
1,2-Dichloroethane
Concen: 18.737 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

Tgt Ion: 62 Resp: 627087
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2

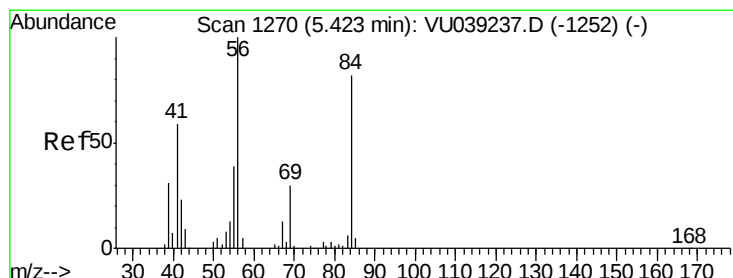
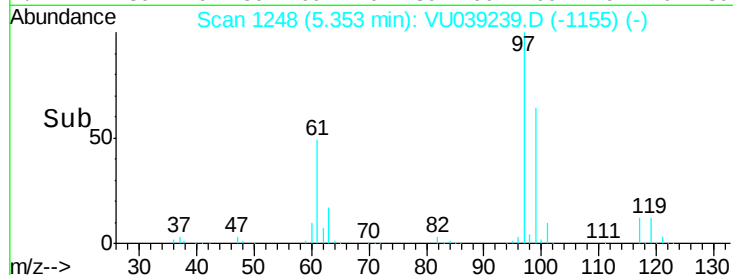
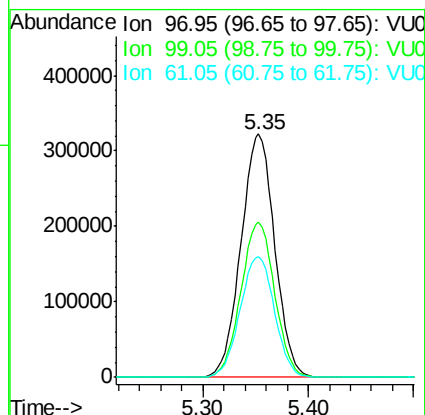
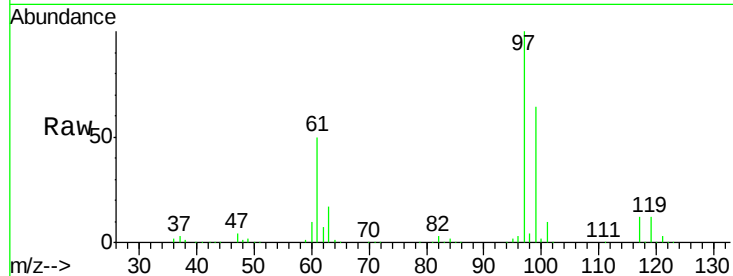




#29
 1,1,1-Trichloroethane
 Concen: 17.706 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

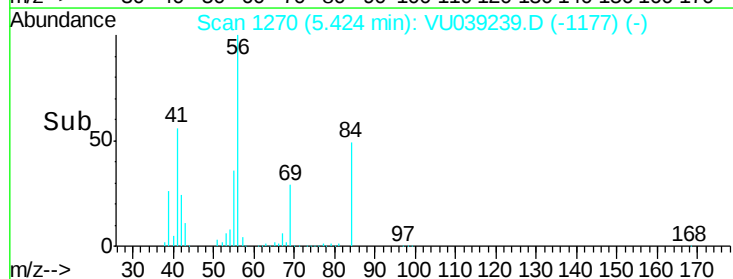
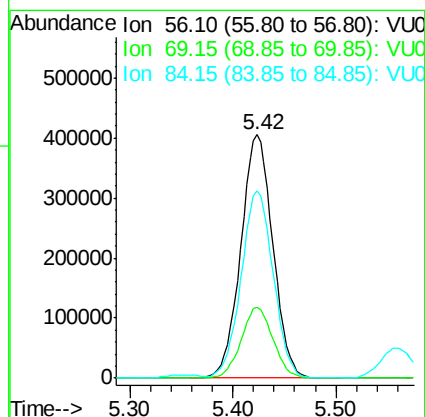
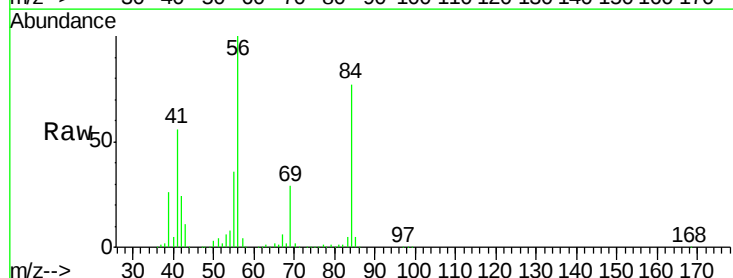
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

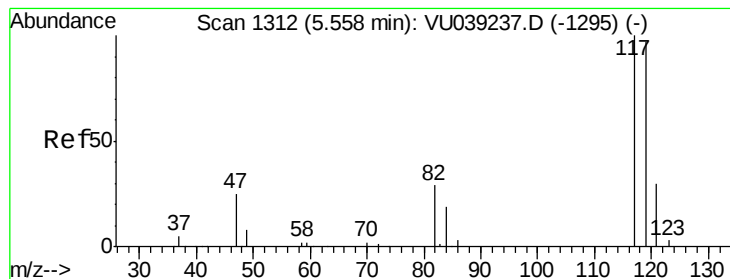
Tgt Ion: 97 Resp: 716425
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.2 78.2
 61 50.6 37.2 55.8



#30
 Cyclohexane
 Concen: 23.297 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

Tgt Ion: 56 Resp: 874060
 Ion Ratio Lower Upper
 56 100
 69 28.9 23.9 35.9
 84 77.2 68.1 102.1





#31

Carbon tetrachloride

Concen: 17.238 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

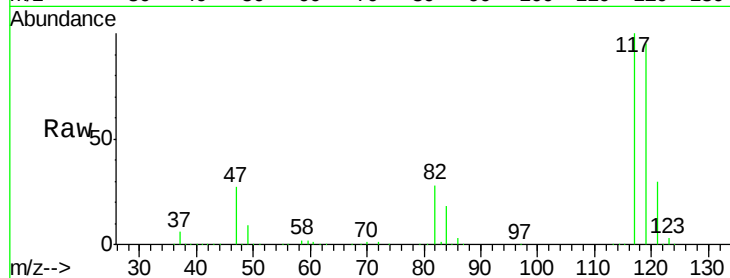
VSTD02001

Tgt Ion:117 Resp: 587492

Ion Ratio Lower Upper

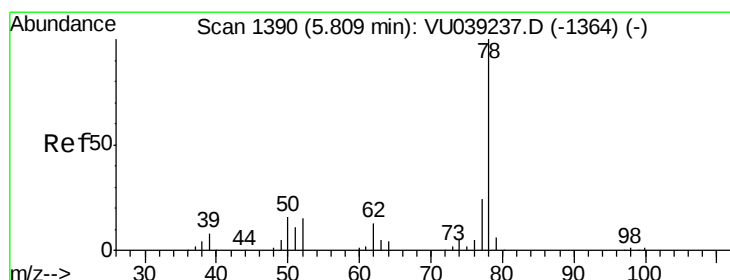
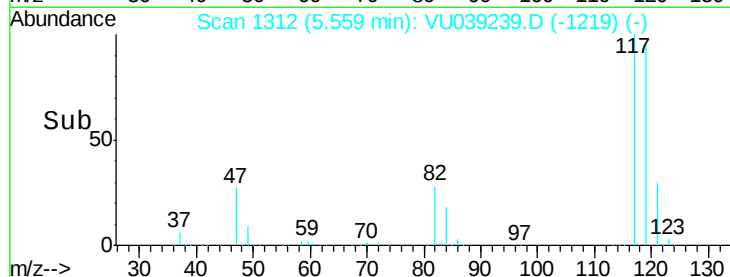
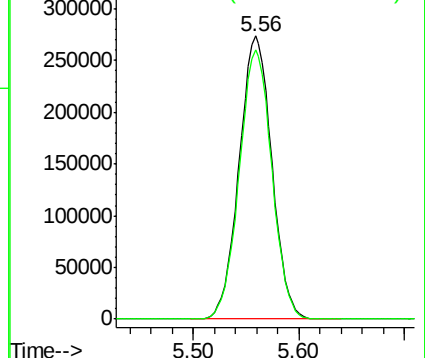
117 100

119 94.9 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: 20.118 ug/L

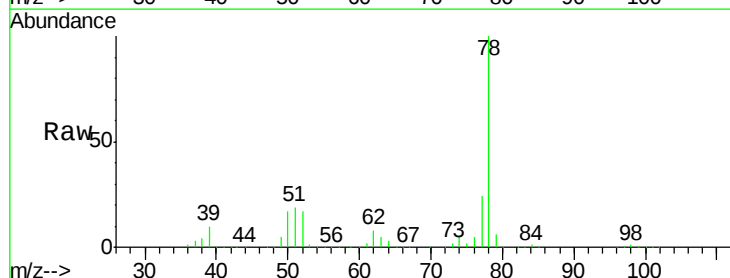
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

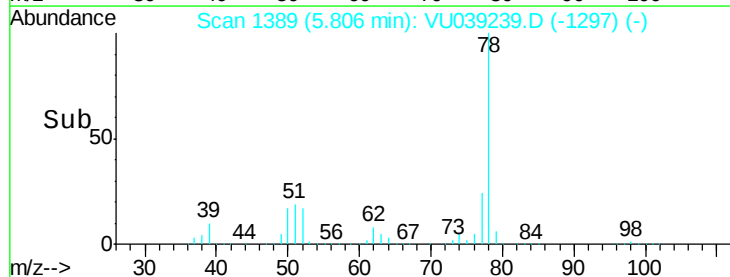
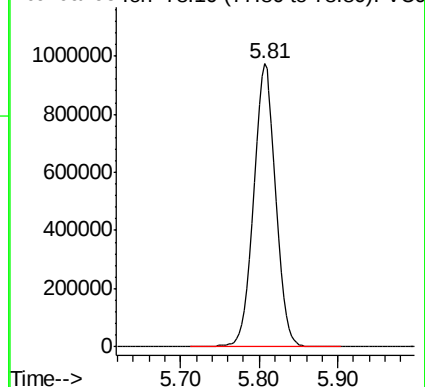
Lab File: VU039239.D

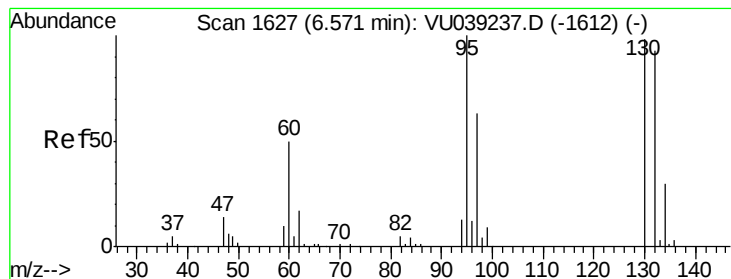
Acq: 30 Jun 2020 15:01

Tgt Ion: 78 Resp: 1947879



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 18.824 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

Tgt Ion: 95 Resp: 466377

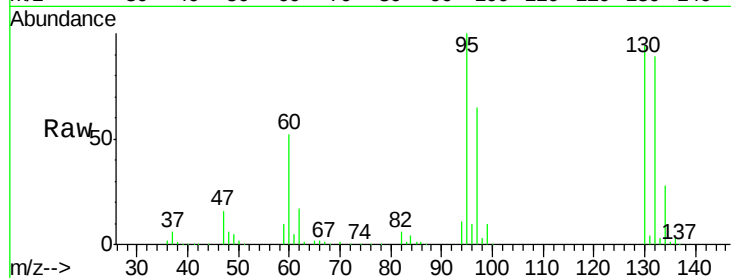
Ion Ratio Lower Upper

95 100

97 65.1 44.0 81.8

132 89.5 64.9 120.5

130 93.8 68.7 127.5



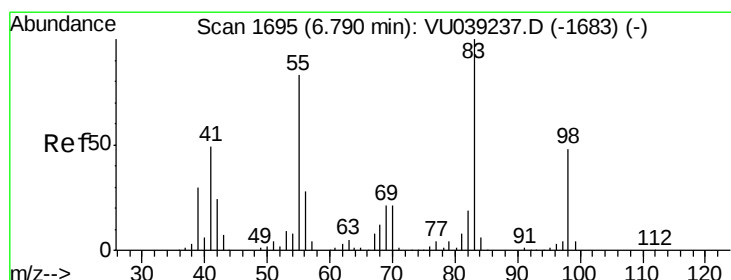
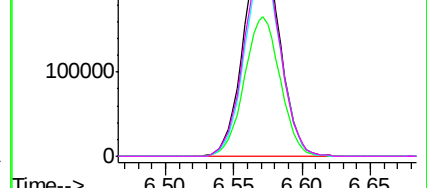
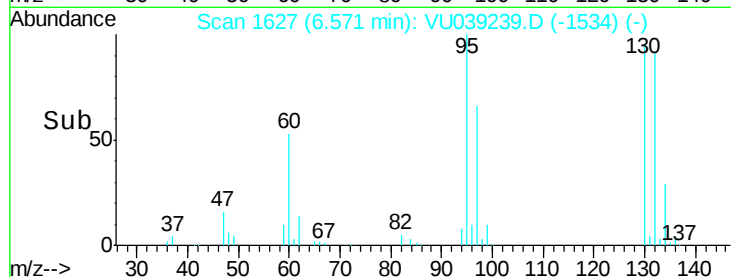
Abundance Ion 95.00 (94.70 to 95.70): VU039239.D (-1612) (-)

Ion 96.95 (96.65 to 97.65): VU039239.D (-1612) (-)

Ion 131.95 (131.65 to 132.65): VU039239.D (-1612) (-)

Ion 129.95 (129.65 to 130.65): VU039239.D (-1612) (-)

Time-->



#35

Methylcyclohexane

Concen: 22.099 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

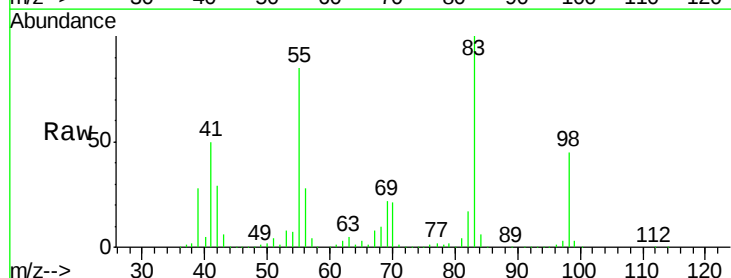
Tgt Ion: 83 Resp: 811941

Ion Ratio Lower Upper

83 100

55 85.4 64.4 96.6

98 45.5 37.9 56.9

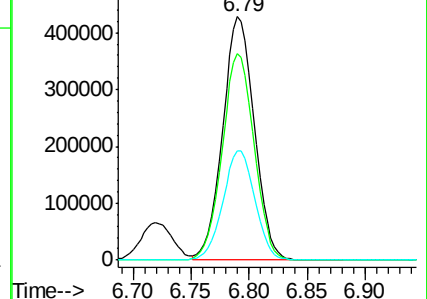
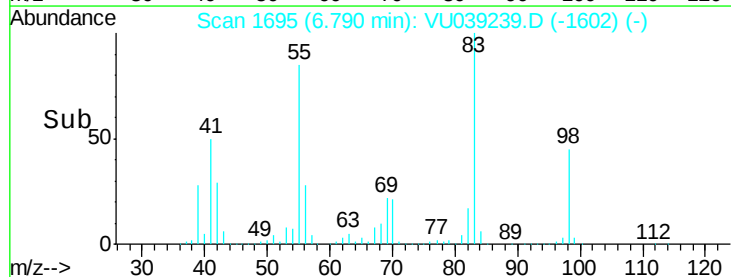


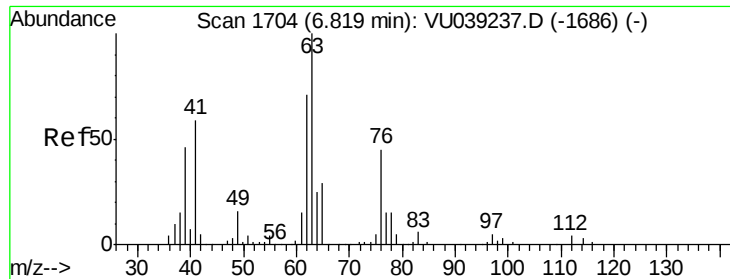
Abundance Ion 83.15 (82.85 to 83.85): VU039239.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU039239.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU039239.D (-1683) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 21.159 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

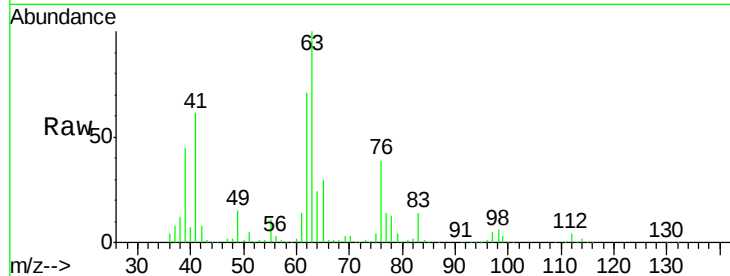
VSTD02001

Tgt Ion: 63 Resp: 541201

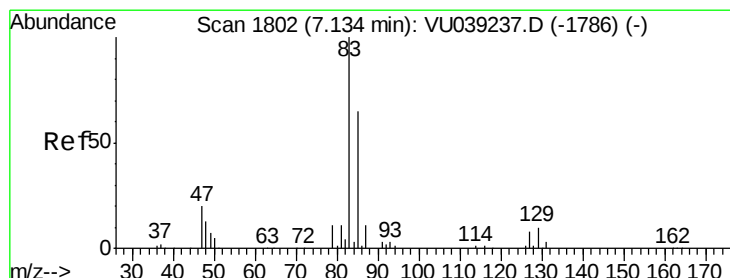
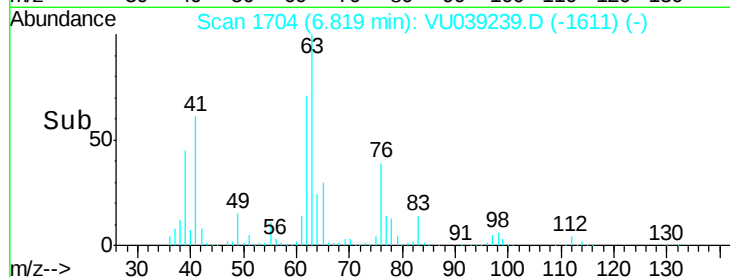
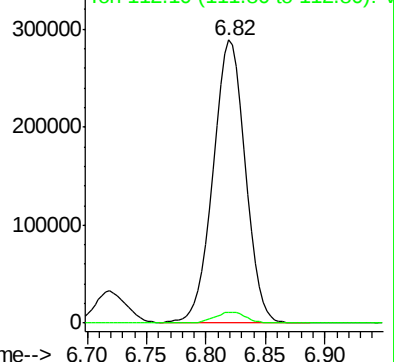
Ion Ratio Lower Upper

63 100

112 3.9 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU039239.D (-1611) (-)



#38

Bromodichloromethane

Concen: 19.066 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

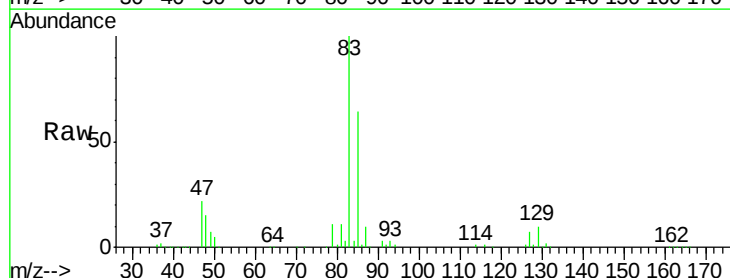
Tgt Ion: 83 Resp: 634683

Ion Ratio Lower Upper

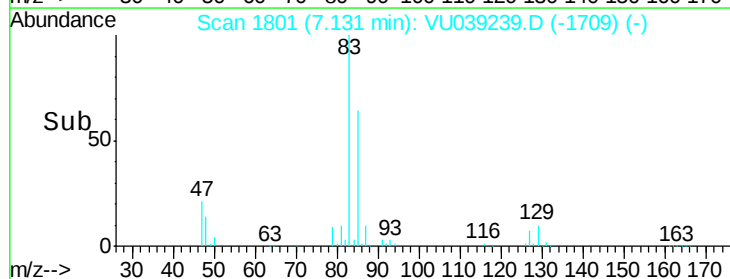
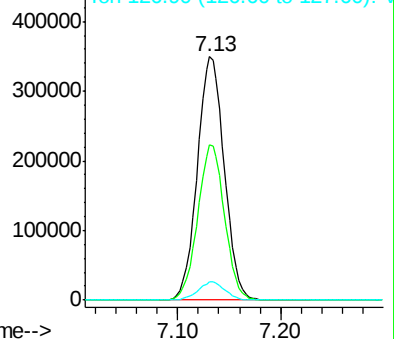
83 100

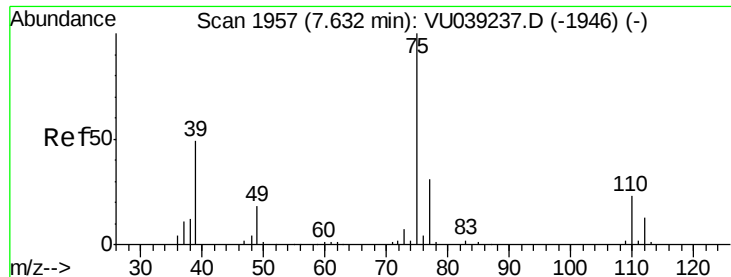
85 63.6 45.6 84.8

127 7.3 6.1 9.1



Abundance Ion 82.95 (82.65 to 83.65): VU039239.D (-1709) (-)

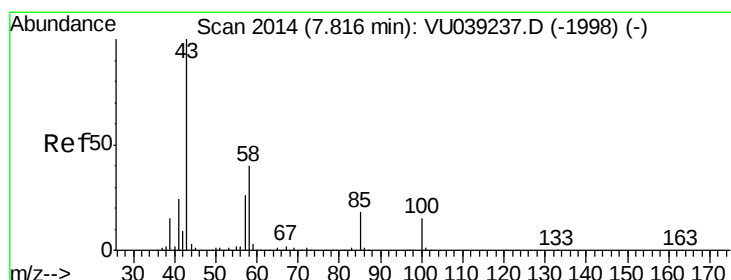
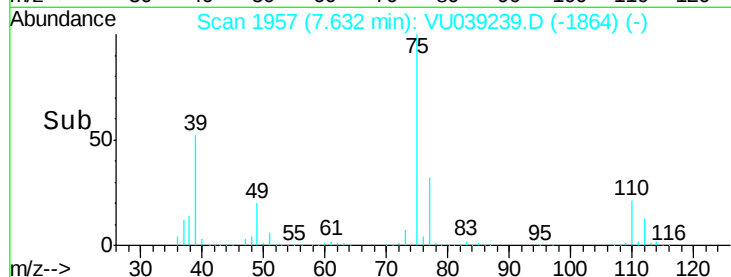
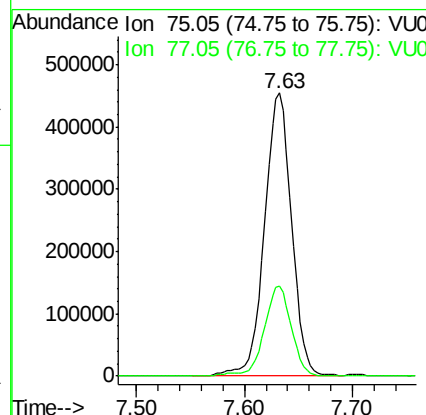
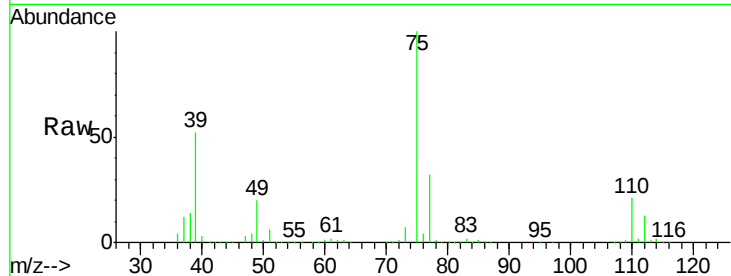




#39
 cis-1,3-Dichloropropene
 Concen: 21.636 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

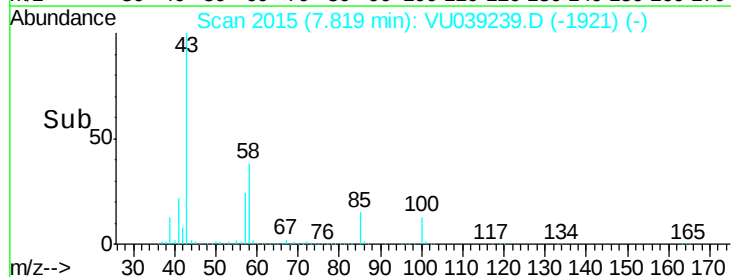
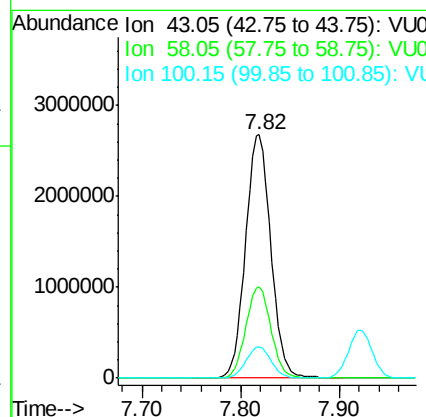
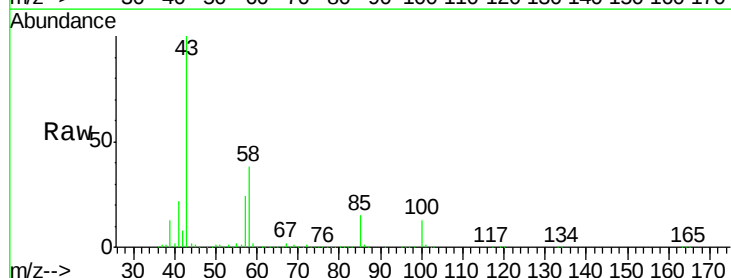
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

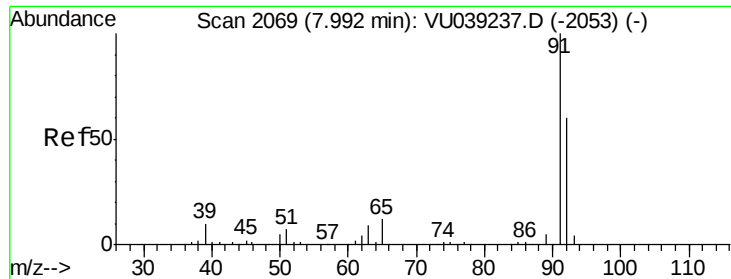
Tgt Ion: 75 Resp: 791877
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 256.939 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

Tgt Ion: 43 Resp: 4738041
 Ion Ratio Lower Upper
 43 100
 58 37.5 31.1 46.7
 100 12.9 12.4 18.6





#42

Toluene

Concen: 21.023 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

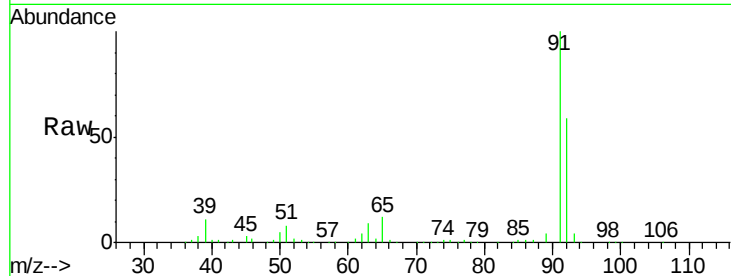
VSTD02001

Tgt Ion: 91 Resp: 2031585

Ion Ratio Lower Upper

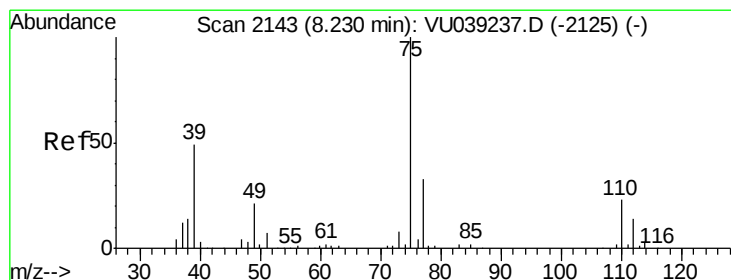
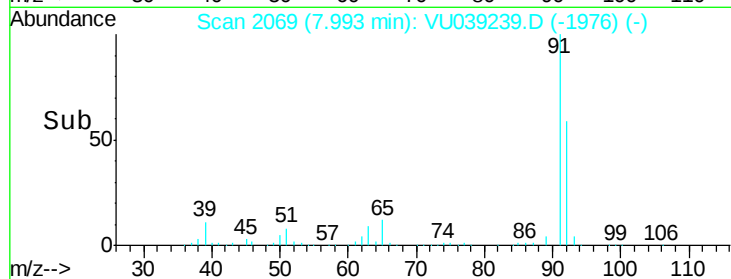
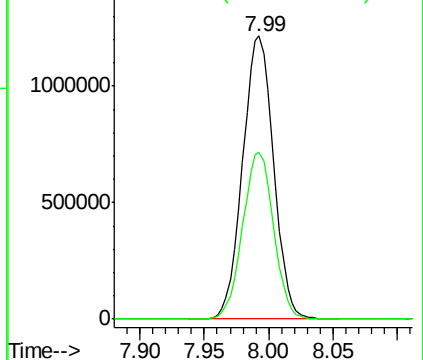
91 100

92 59.1 41.7 77.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 20.378 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039239.D

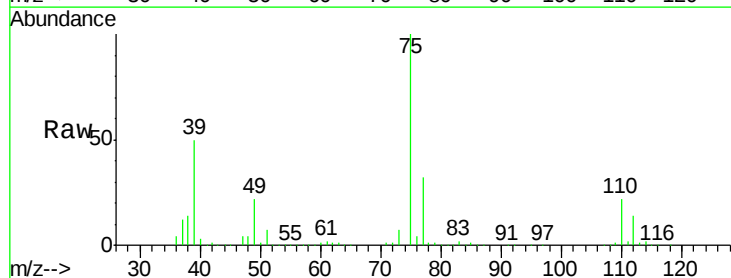
Acq: 30 Jun 2020 15:01

Tgt Ion: 75 Resp: 735861

Ion Ratio Lower Upper

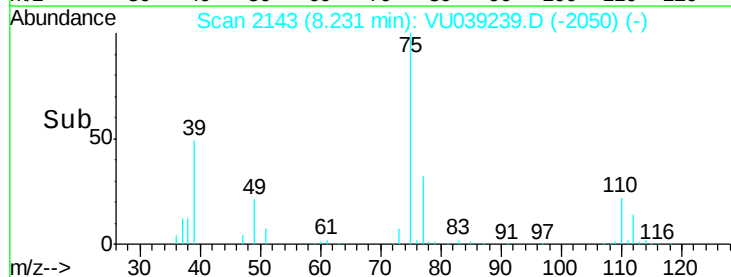
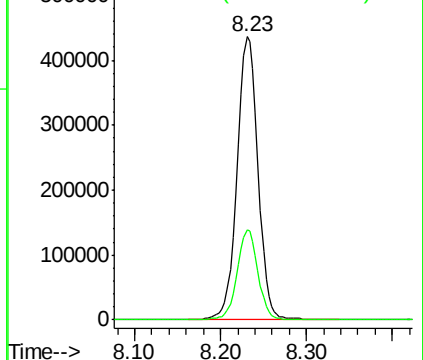
75 100

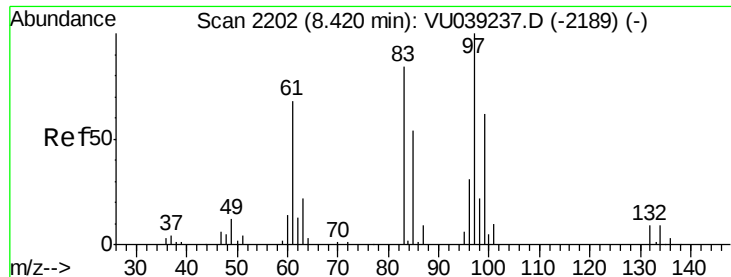
77 31.7 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

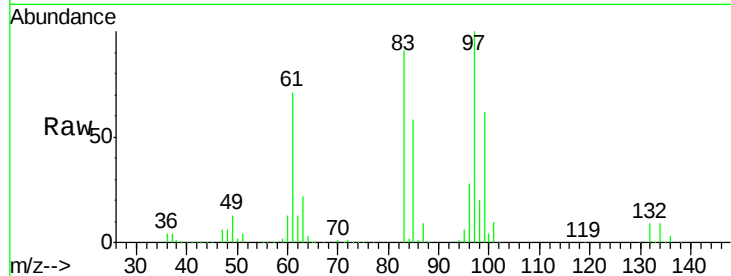




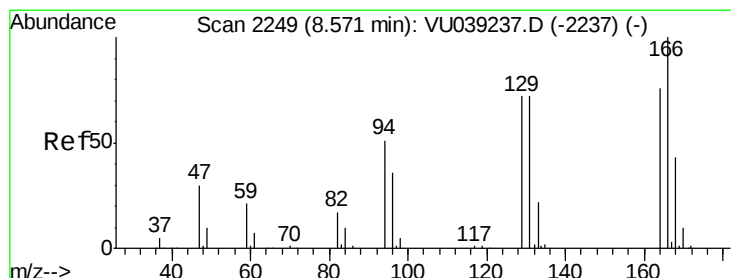
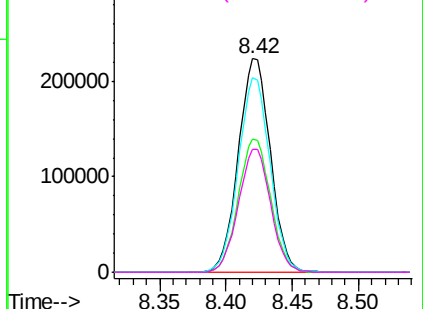
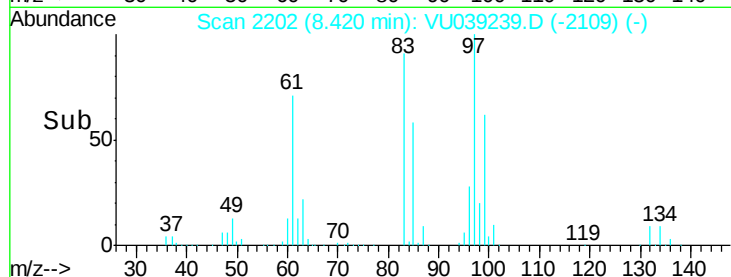
#45
 1,1,2-Trichloroethane
 Concen: 19.667 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion:	97	Resp:	375362
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.7	81.1
83	91.2	58.9	109.3
85	57.7	37.9	70.3

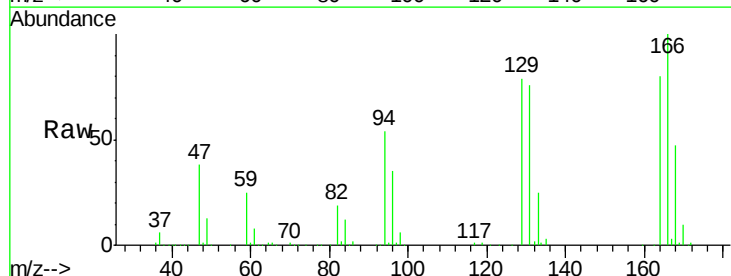


Abundance Ion 96.95 (96.65 to 97.65): VU039239.D (-2109) (-)

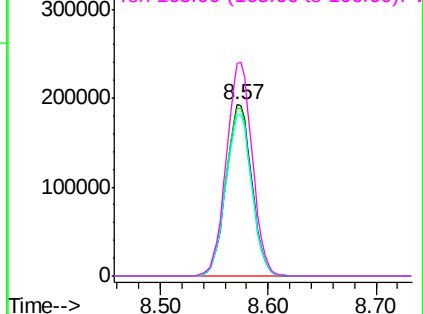
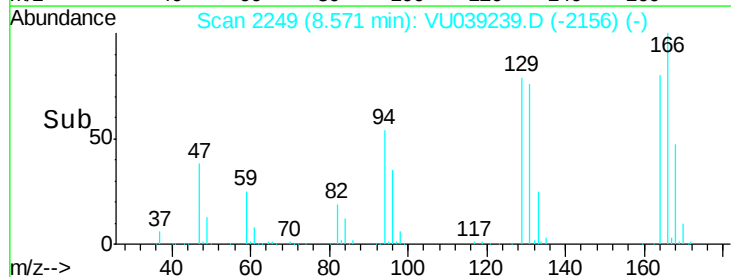


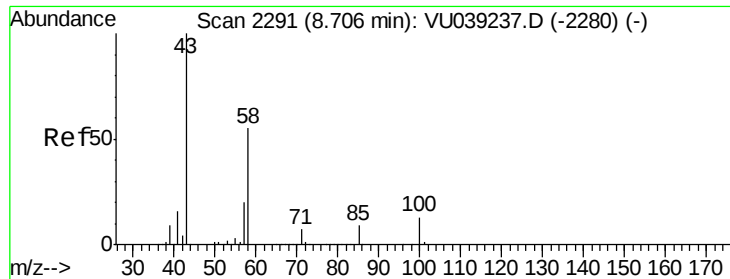
#47
 Tetrachloroethene
 Concen: 18.011 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU039239.D
 Acq: 30 Jun 2020 15:01

Tgt Ion:	164	Resp:	320559
Ion	Ratio	Lower	Upper
164	100		
129	98.1	66.4	123.4
131	94.0	66.7	123.9
166	124.4	92.3	171.5



Abundance Ion 163.90 (163.60 to 164.60): VU039239.D (-2156) (-)

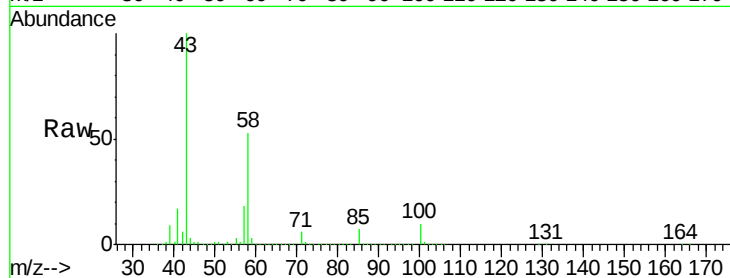




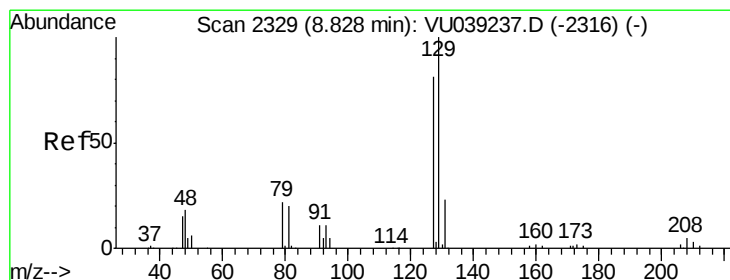
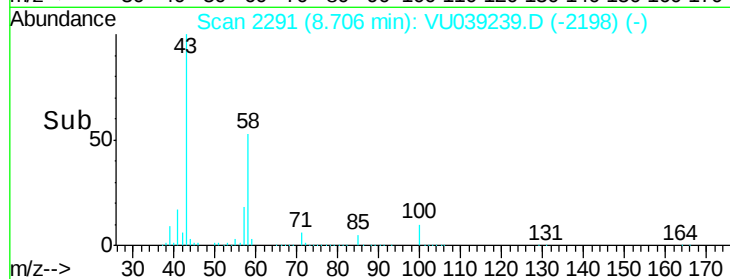
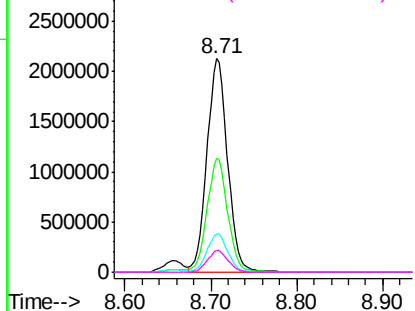
#48
2-Hexanone
Concen: 253.123 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion: 43 Resp: 3578604
Ion Ratio Lower Upper
43 100
58 52.8 43.6 65.4
57 18.2 15.5 23.3
100 10.2 10.0 15.0

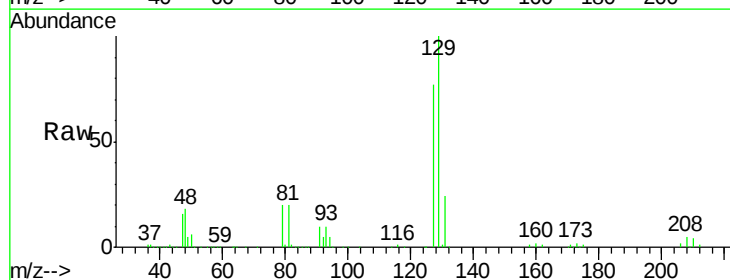


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

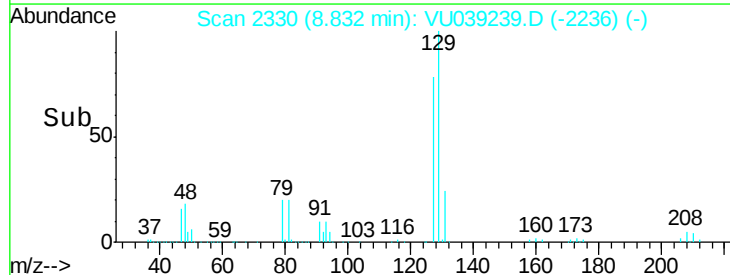
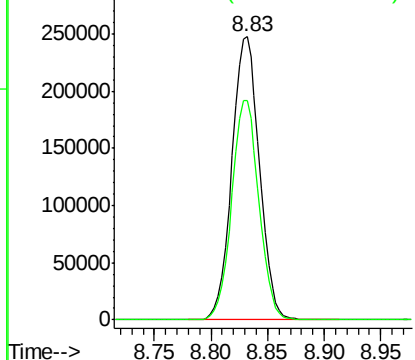


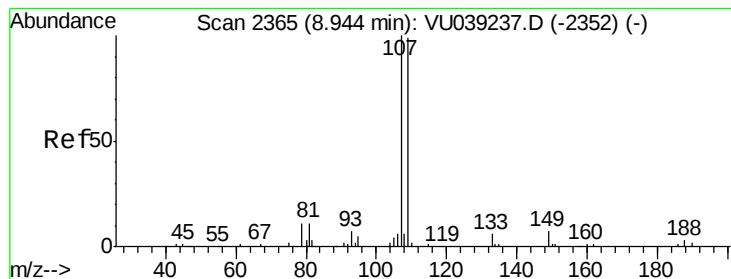
#49
Dibromochloromethane
Concen: 18.992 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

Tgt Ion: 129 Resp: 419358
Ion Ratio Lower Upper
129 100
127 77.5 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: 19.768 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

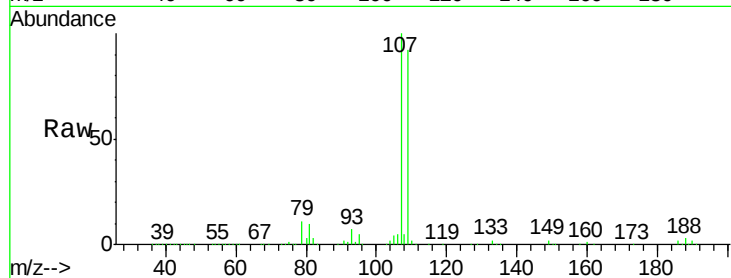
Tgt Ion:107 Resp: 369300

Ion Ratio Lower Upper

107 100

109 91.9 69.0 128.1

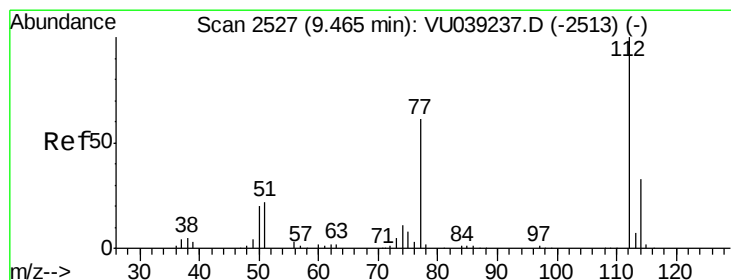
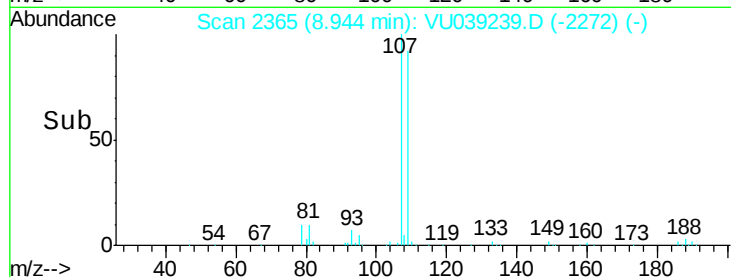
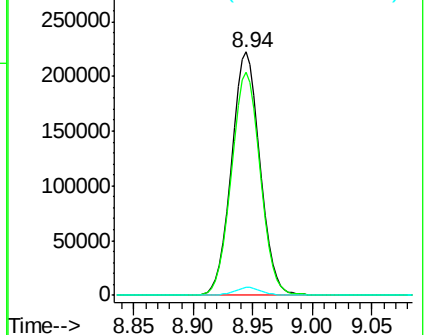
188 3.3 2.6 4.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 19.332 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

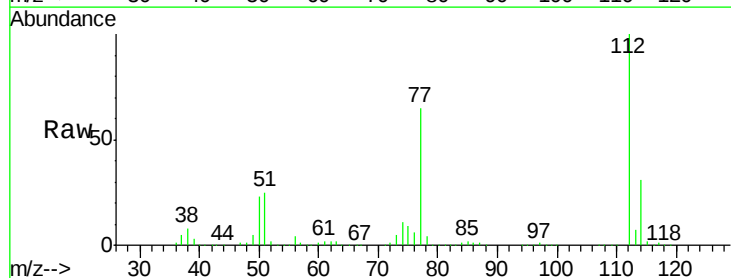
Tgt Ion:112 Resp: 1212495

Ion Ratio Lower Upper

112 100

114 31.5 22.8 42.4

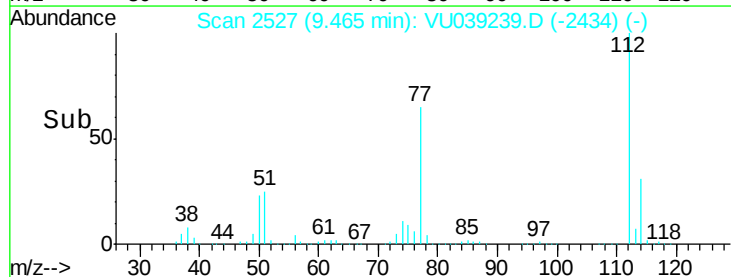
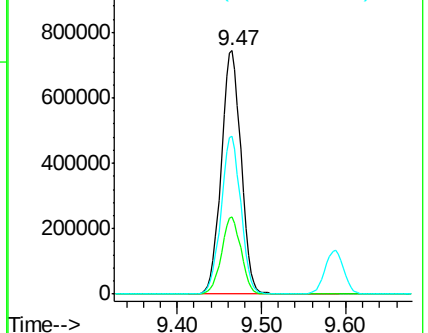
77 64.9 49.7 74.5

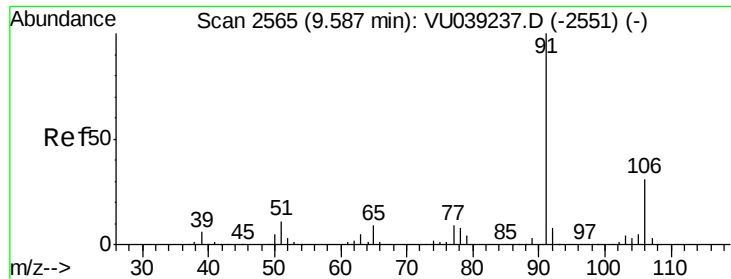


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 21.345 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

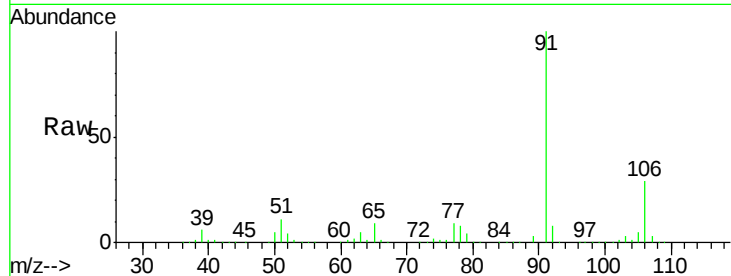
VSTD02001

Tgt Ion: 91 Resp: 2245889

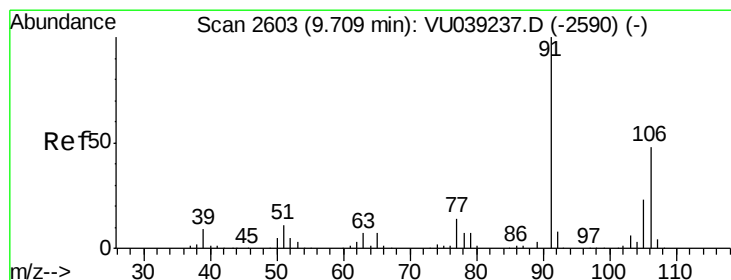
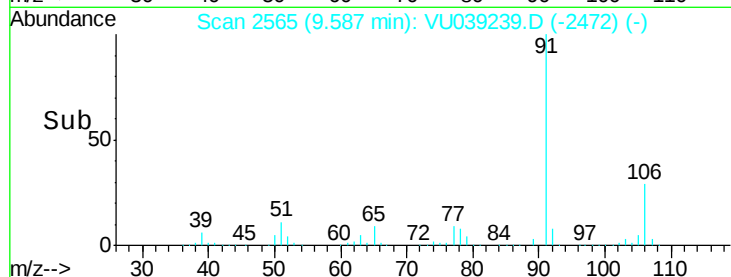
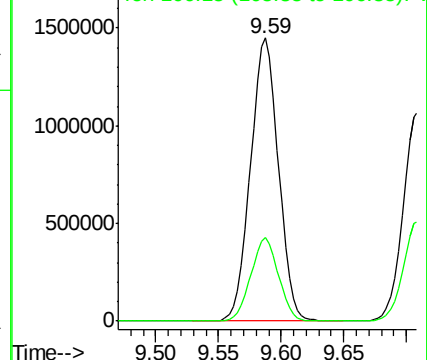
Ion Ratio Lower Upper

91 100

106 29.4 21.3 39.6



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



#53

m,p-Xylene

Concen: 21.204 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039239.D

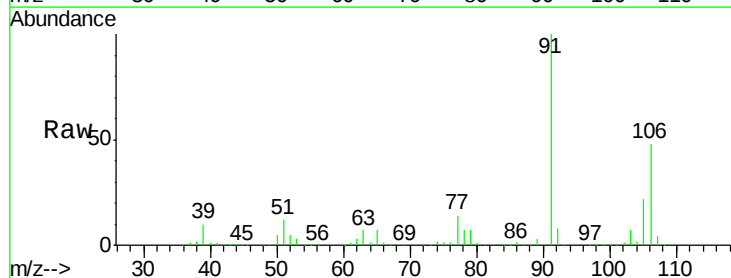
Acq: 30 Jun 2020 15:01

Tgt Ion: 106 Resp: 824546

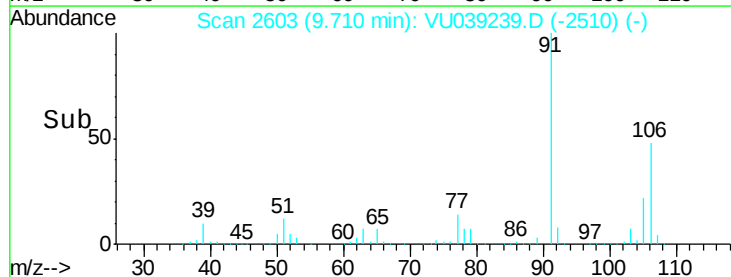
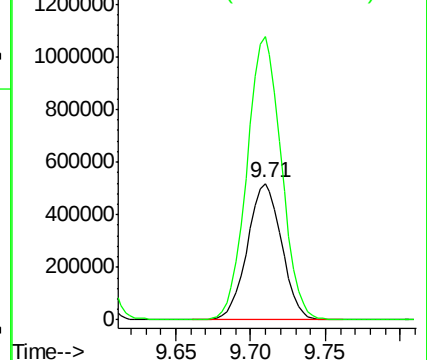
Ion Ratio Lower Upper

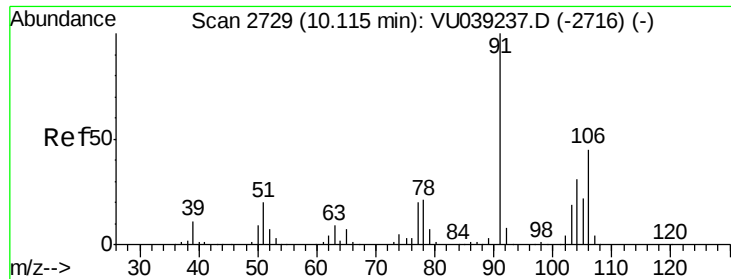
106 100

91 207.4 147.3 273.5



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

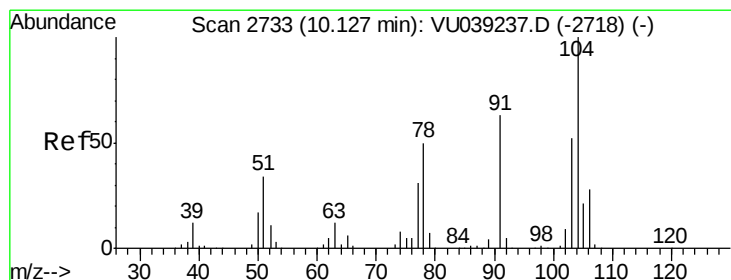
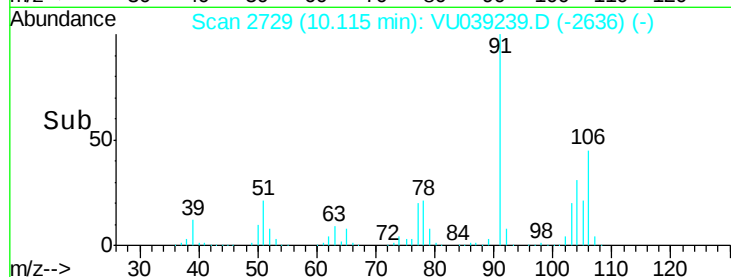
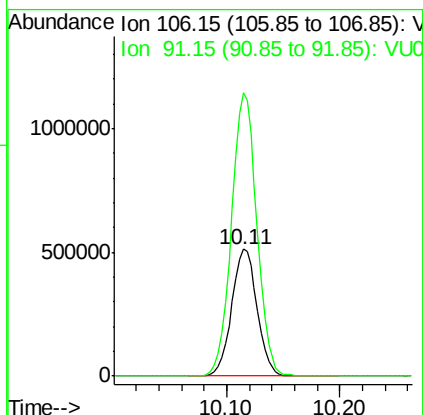
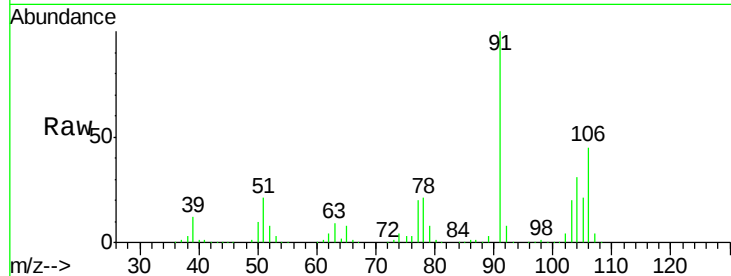




#54
o-Xylene
Concen: 21.582 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

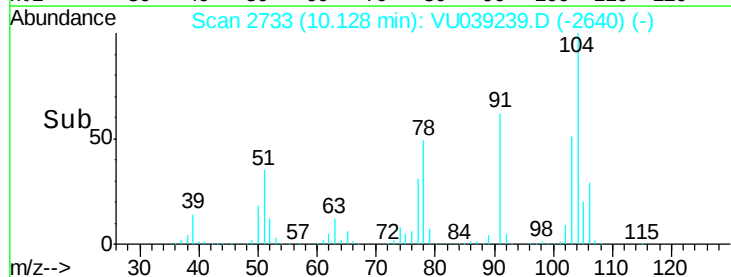
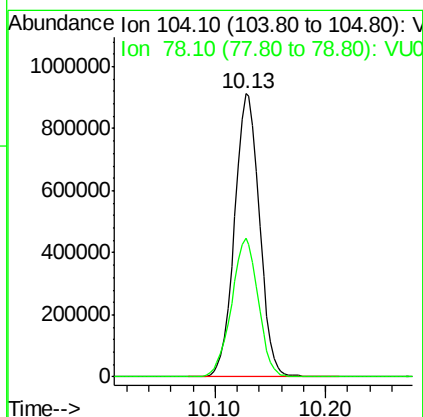
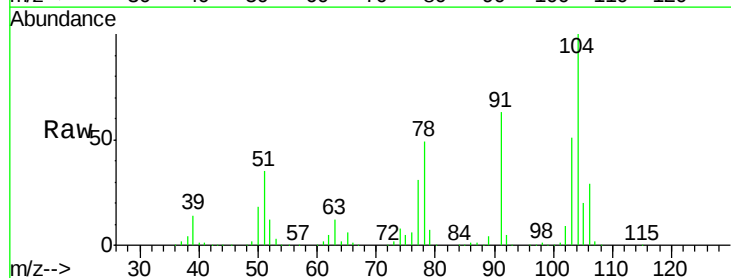
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

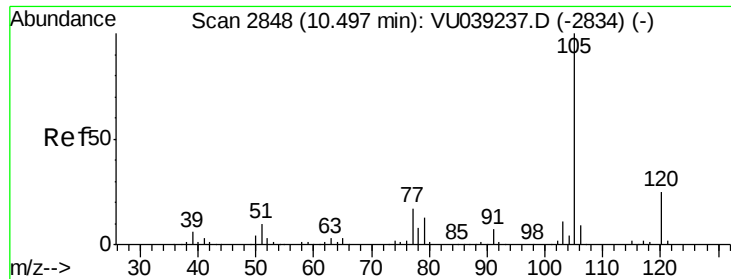
Tgt Ion:106 Resp: 800951
Ion Ratio Lower Upper
106 100
91 222.9 154.2 286.4



#55
Styrene
Concen: 22.275 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039239.D
Acq: 30 Jun 2020 15:01

Tgt Ion:104 Resp: 1434494
Ion Ratio Lower Upper
104 100
78 48.9 35.1 65.3





#56

Isopropylbenzene

Concen: 22.458 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

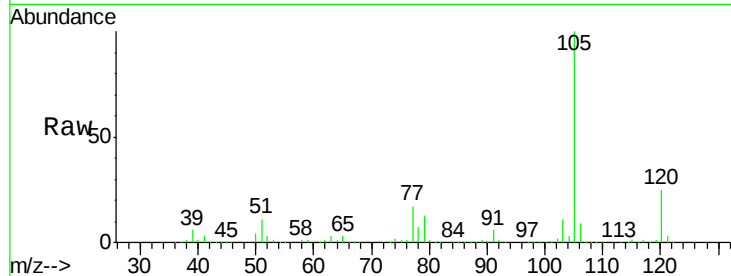
Tgt Ion:105 Resp: 2145972

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

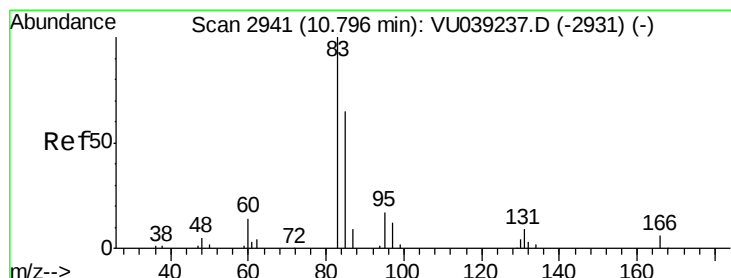
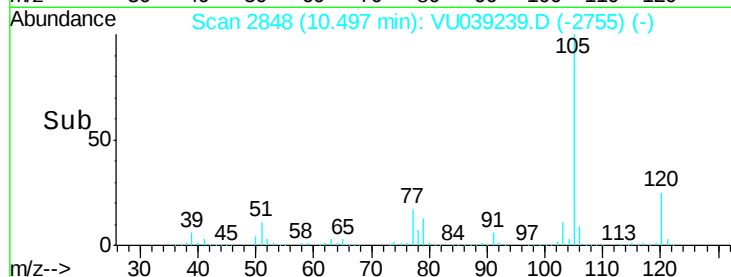
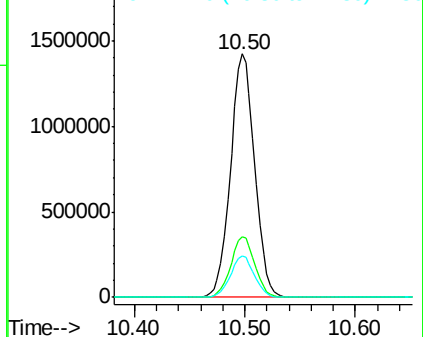
77 17.0 13.3 19.9



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: 21.420 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

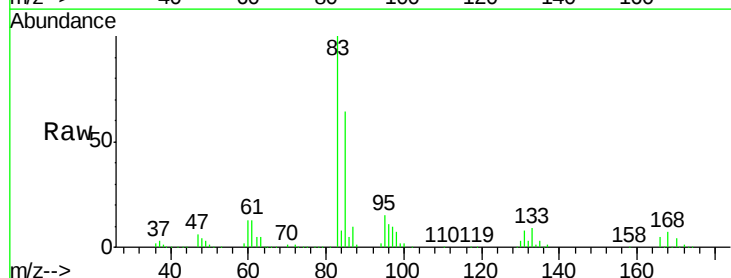
Tgt Ion: 83 Resp: 517617

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.4

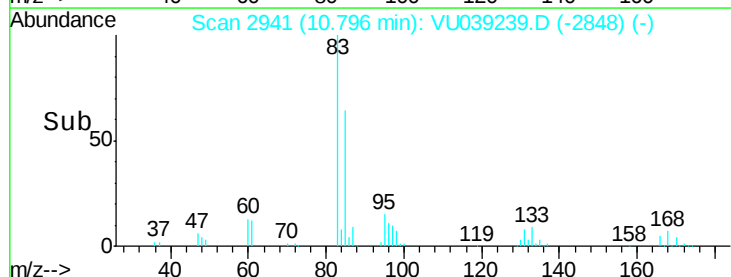
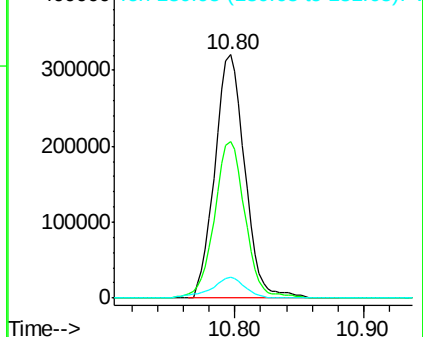
131 8.3 8.4 12.6#

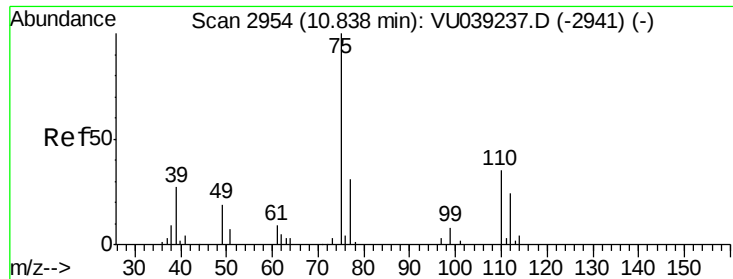


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.310 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

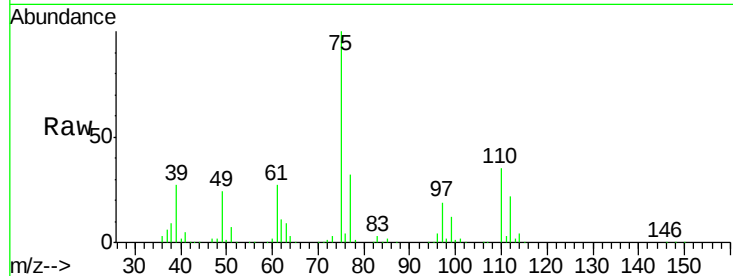
VSTD02001

Tgt Ion: 75 Resp: 399712

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU039239.D (-2332) (-)

Ion 77.00 (76.70 to 77.70): VU039239.D (-2332) (-)

10.84

250000

200000

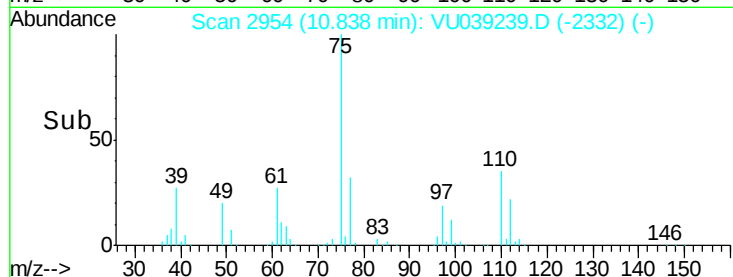
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 18.695 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU039239.D

Acq: 30 Jun 2020 15:01

Tgt Ion:173 Resp: 237995

Ion Ratio Lower Upper

173 100

175 48.1 38.6 58.0

254 5.6 5.0 7.6

Ref

Raw

Sub