

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
 Data File : VU039038.D
 Acq On : 23 Jun 2020 14:05
 Operator : SY/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Quant Time: Jun 24 00:29:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 00:26:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	286619	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	280490	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	142105	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	205289	9.78	ug/L	0.00
7) Chloroethane-d5	1.93	69	165062	9.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	397296	9.85	ug/L	0.00
20) 2-Butanone-d5	4.67	46	747987	98.75	ug/L	0.00
24) Chloroform-d	5.10	84	402240	9.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	240474	9.47	ug/L	0.00
32) Benzene-d6	5.76	84	787953	10.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	256031	9.79	ug/L	0.00
41) Toluene-d8	7.92	98	684360	10.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	117256	10.32	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	644432	109.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	239546	9.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	254194	9.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	249927	9.744 ug/L	99
3) Chloromethane	1.53	50	268877	9.739 ug/L	96
5) Vinyl chloride	1.62	62	272994	9.805 ug/L	97
6) Bromomethane	1.88	94	141363	9.431 ug/L	96
8) Chloroethane	1.95	64	159676	9.515 ug/L	97
9) Trichlorofluoromethane	2.16	101	342686	9.614 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	202214	9.745 ug/L	99
12) 1,1-Dichloroethene	2.61	96	191226	9.634 ug/L	99
13) Acetone	2.66	43	448514	87.194 ug/L	99
14) Carbon disulfide	2.82	76	638186	9.643 ug/L	99
15) Methyl Acetate	2.98	43	113649	9.304 ug/L	98
16) Methylene chloride	3.08	84	225442	9.205 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	574747	10.171 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	208964	9.838 ug/L	97
19) 1,1-Dichloroethane	3.91	63	411618	9.748 ug/L	99
21) 2-Butanone	4.75	43	797819	102.015 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	227982	9.947 ug/L	95
23) Bromochloromethane	5.01	128	104112	9.870 ug/L	95
25) Chloroform	5.12	83	416705	9.823 ug/L	97
27) 1,2-Dichloroethane	5.83	62	294784	9.752 ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	345811	9.879 ug/L	99
30) Cyclohexane	5.42	56	347749	10.677 ug/L	99
31) Carbon tetrachloride	5.56	117	289350	9.927 ug/L	99
33) Benzene	5.81	78	890796	10.108 ug/L	100
34) Trichloroethene	6.57	95	214780	10.076 ug/L	99
35) Methylcyclohexane	6.79	83	343240	10.851 ug/L	99
37) 1,2-Dichloropropane	6.82	63	241709	10.124 ug/L	100
38) Bromodichloromethane	7.13	83	298510	10.028 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	349353	10.556 ug/L	98
40) 4-Methyl-2-pentanone	7.81	43	1904313	106.861 ug/L	99

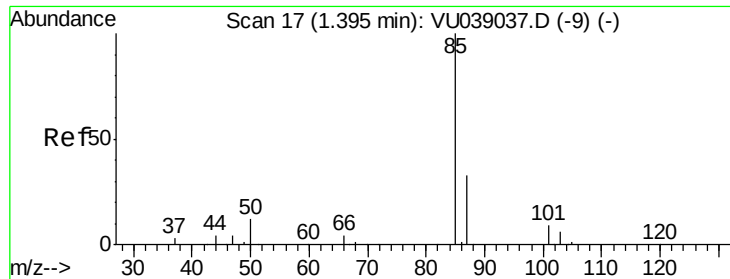
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
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 QLast Update : Wed Jun 24 00:26:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	911137	10.416	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	325722	10.519	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	177394	9.997	ug/L	96
47) Tetrachloroethene	8.57	164	149733	9.746	ug/L	98
48) 2-Hexanone	8.70	43	1388569	106.289	ug/L	99
49) Dibromochloromethane	8.83	129	198709	10.298	ug/L	98
50) 1,2-Dibromoethane	8.94	107	170925	10.188	ug/L	100
51) Chlorobenzene	9.46	112	553134	10.045	ug/L	100
52) Ethylbenzene	9.58	91	970968	10.560	ug/L	100
53) m,p-Xylene	9.71	106	369911	10.941	ug/L	100
54) o-Xylene	10.11	106	357365	11.003	ug/L	98
55) Styrene	10.13	104	638410	11.192	ug/L	98
56) Isopropylbenzene	10.50	105	932792	10.960	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.79	83	237453	10.007	ug/L	99
59) 1,2,3-Trichloropropane	10.83	75	178150	9.897	ug/L	98
61) Bromoform	10.30	173	111996	9.649	ug/L #	97
62) 1,3-Dichlorobenzene	11.75	146	416626	9.860	ug/L	99
63) 1,4-Dichlorobenzene	11.84	146	424438	9.753	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	408052	9.631	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	45329	9.699	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	303512	9.706	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	281201	9.872	ug/L	99
69) Naphthalene	14.11	128	640299	10.537	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	273475	9.947	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 9.744 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

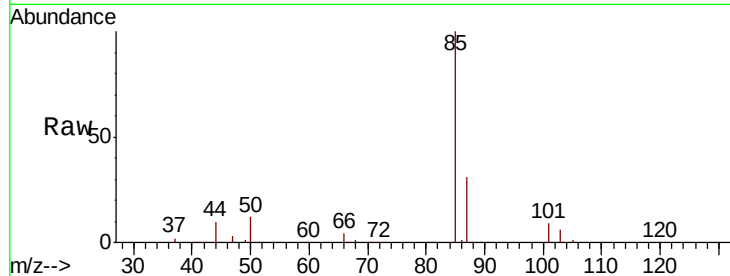
VSTD01004

Tot Ion: 85 Resp: 249927

Ion Ratio Lower Upper

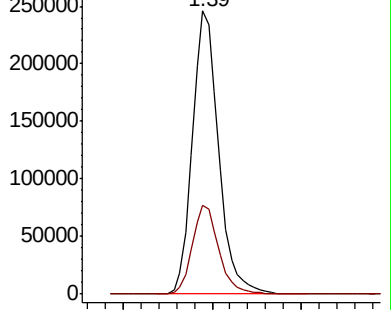
85 100

87 31.8 25.8 38.6

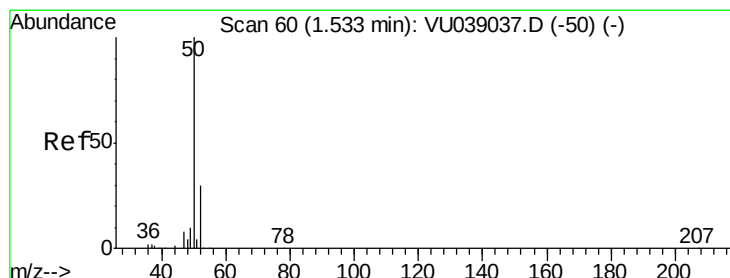
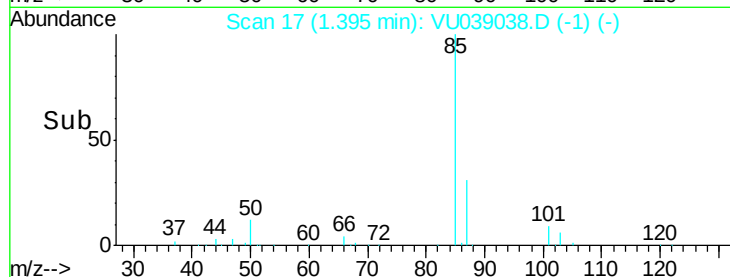


Abundance Ion 85.00 (84.70 to 85.70): VU039038.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039038.D (-9) (-)



Time-->



#3

Chloromethane

Concen: 9.739 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039038.D

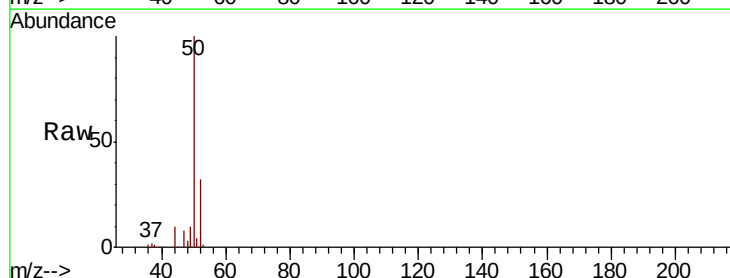
Acq: 23 Jun 2020 14:05

Tgt Ion: 50 Resp: 268877

Ion Ratio Lower Upper

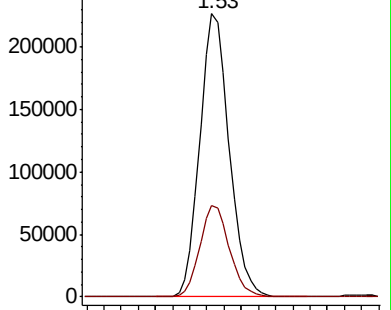
50 100

52 32.2 21.1 39.3

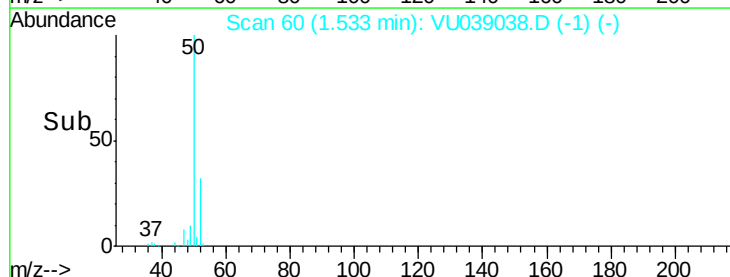


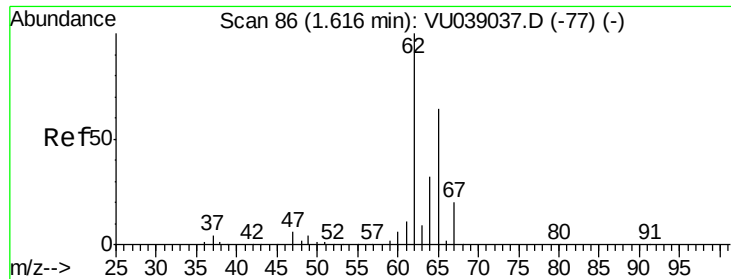
Abundance Ion 50.05 (49.75 to 50.75): VU039038.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039038.D (-50) (-)



Time-->





#5

Vinyl chloride

Concen: 9.805 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

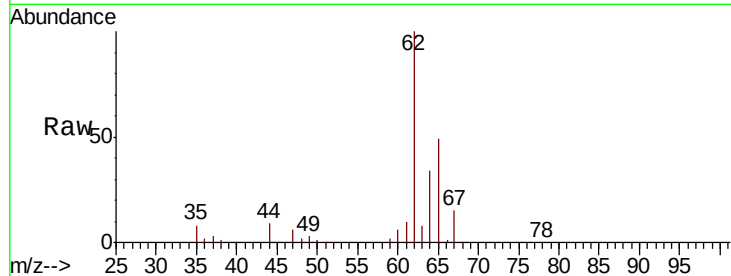
VSTD01004

Tot Ion: 62 Resp: 272994

Ion Ratio Lower Upper

62 100

64 33.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039037.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU039038.D (-1) (-)

1.62

250000

200000

150000

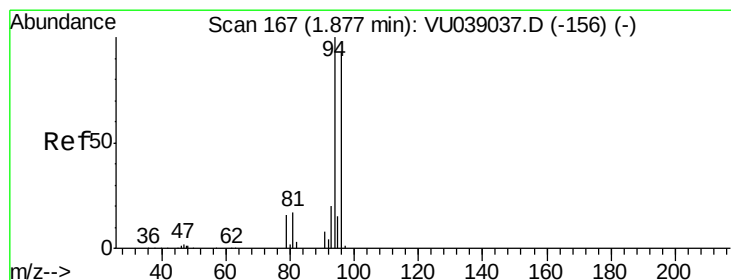
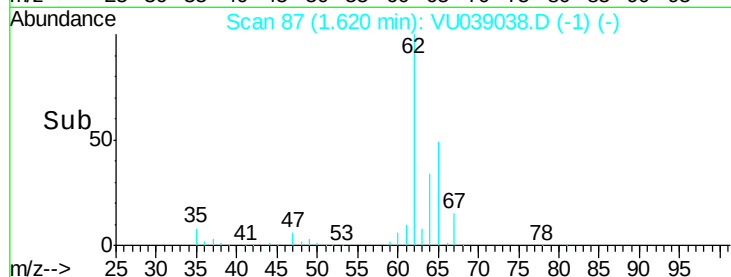
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 9.431 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039038.D

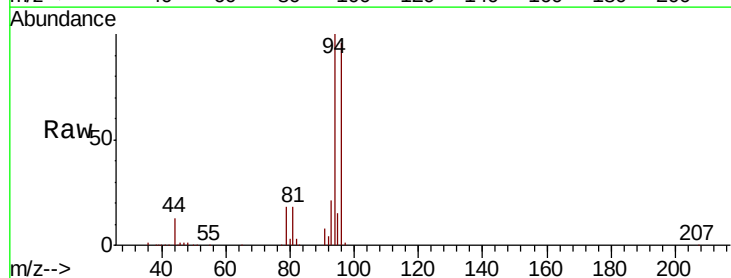
Acq: 23 Jun 2020 14:05

Tgt Ion: 94 Resp: 141363

Ion Ratio Lower Upper

94 100

96 96.3 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039037.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU039038.D (-74) (-)

1.88

120000

100000

80000

60000

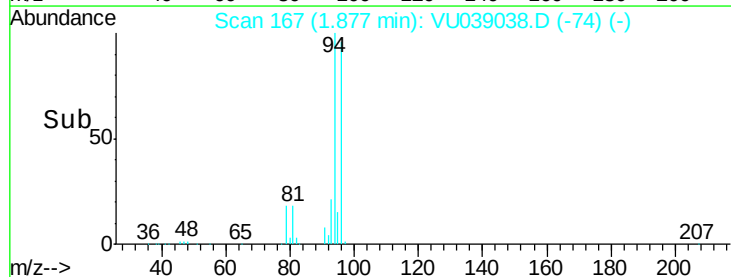
40000

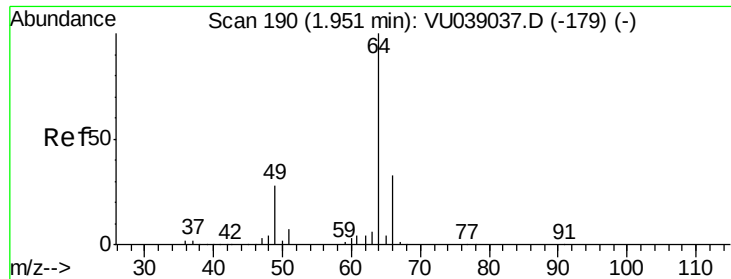
20000

0

1.80 1.85 1.90 1.95

Time-->

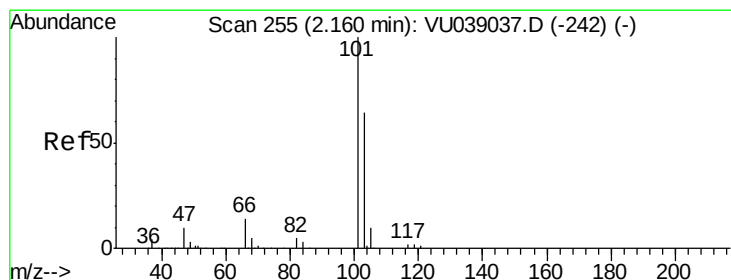
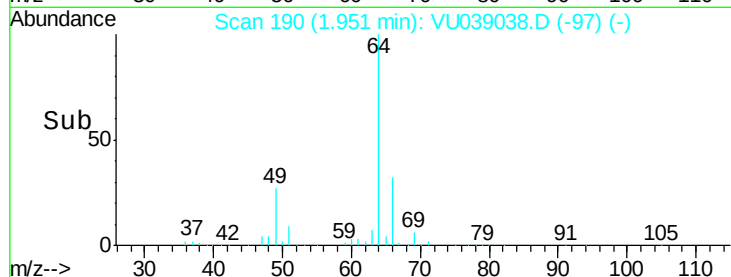
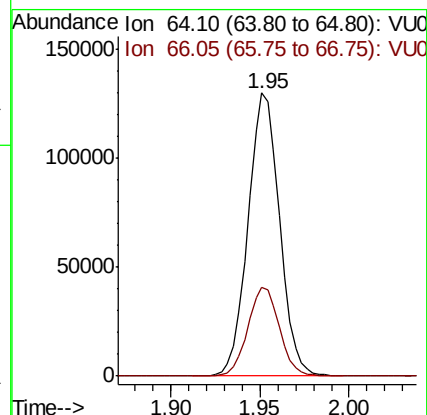
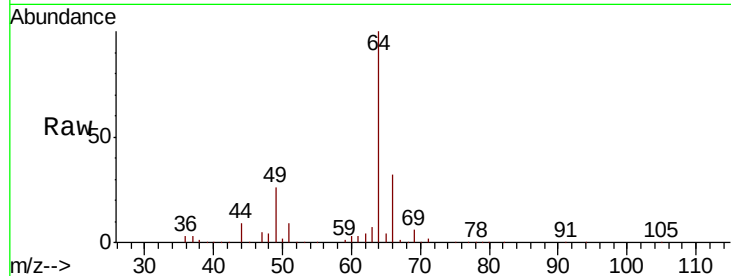




#8
Chloroethane
Concen: 9.515 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

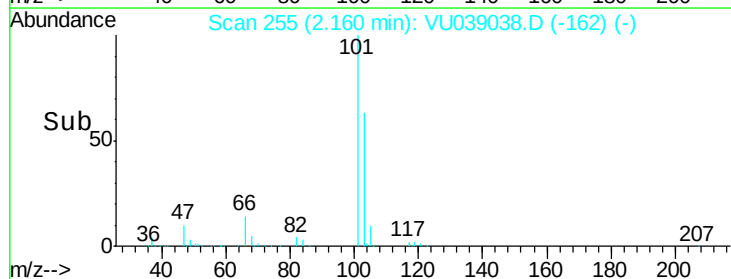
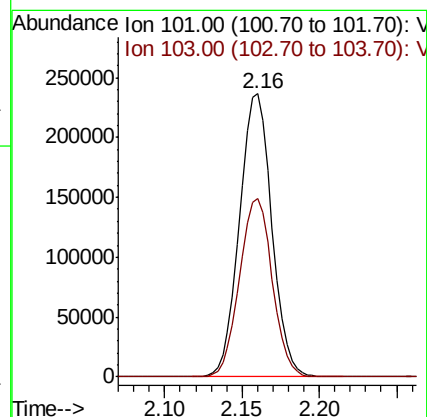
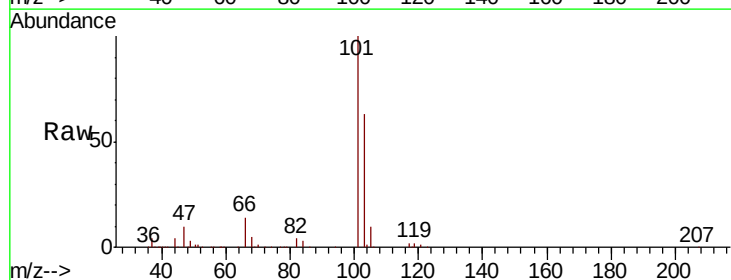
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

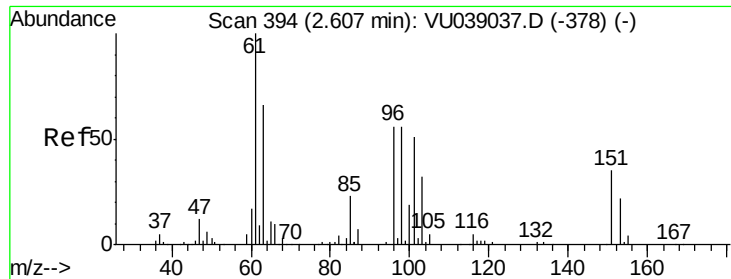
Tot Ion: 64 Resp: 159676
Ion Ratio Lower Upper
64 100
66 31.6 23.4 43.4



#9
Trichlorofluoromethane
Concen: 9.614 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion: 101 Resp: 342686
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.0





#10

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

Concen: 9.745 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

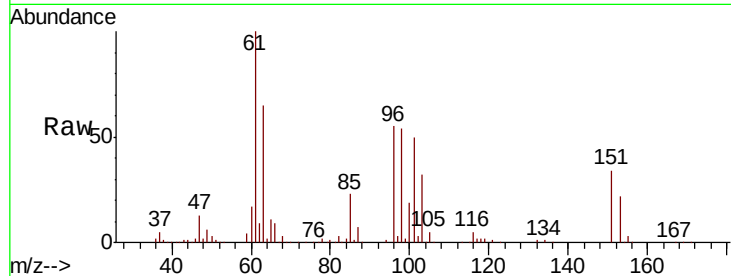
Tot Ion:101 Resp: 202214

Ion Ratio Lower Upper

101 100

85 44.3 36.2 54.4

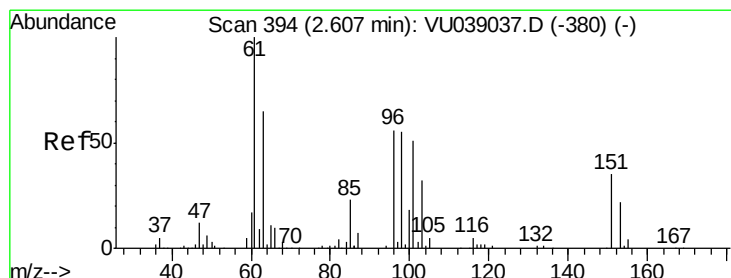
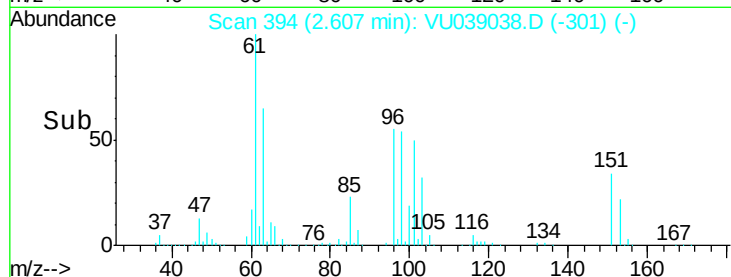
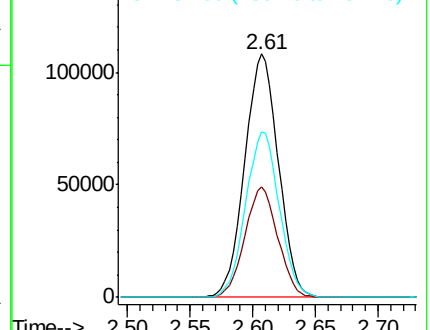
151 68.1 55.0 82.6



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: 9.634 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

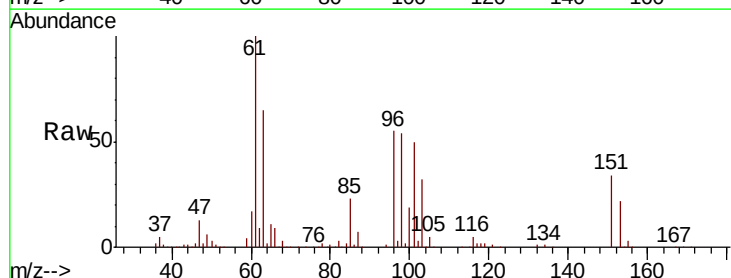
Tgt Ion: 96 Resp: 191226

Ion Ratio Lower Upper

96 100

61 181.4 125.1 232.3

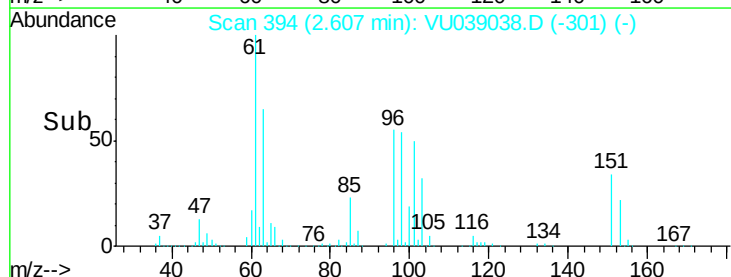
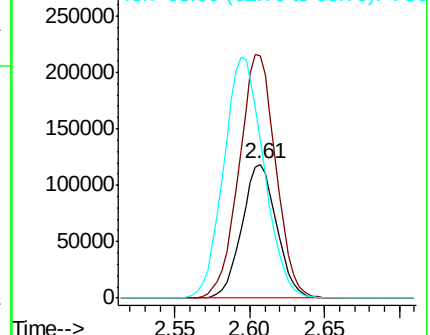
63 117.4 82.3 152.8

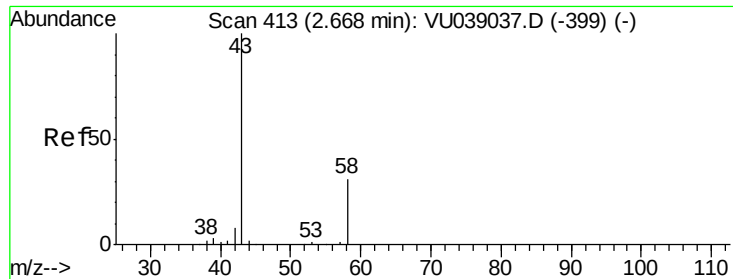


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 87.194 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

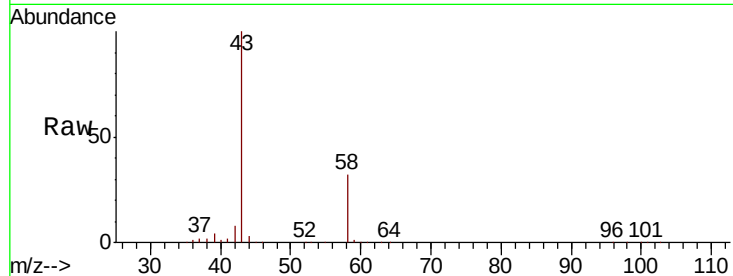
VSTD01004

Tot Ion: 43 Resp: 448514

Ion Ratio Lower Upper

43 100

58 32.9 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039038.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU039038.D (-320) (-)

2.66

200000

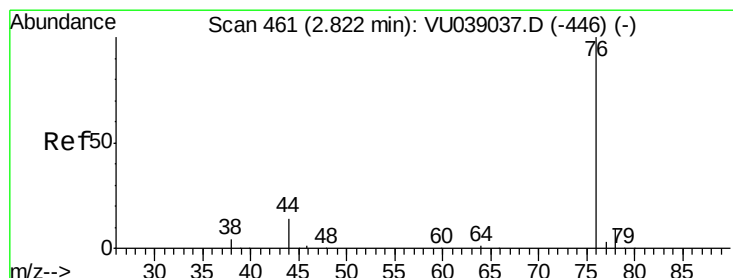
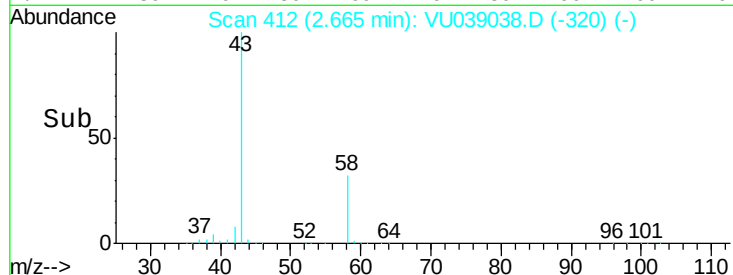
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 9.643 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039038.D

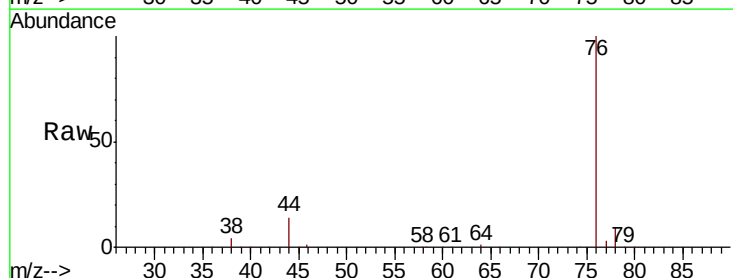
Acq: 23 Jun 2020 14:05

Tgt Ion: 76 Resp: 638186

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039038.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU039038.D (-368) (-)

2.82

400000

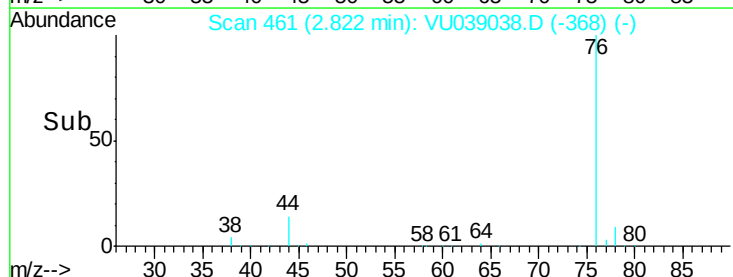
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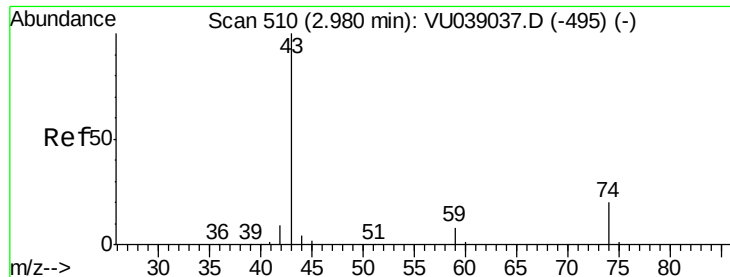
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100000

0

Time-->

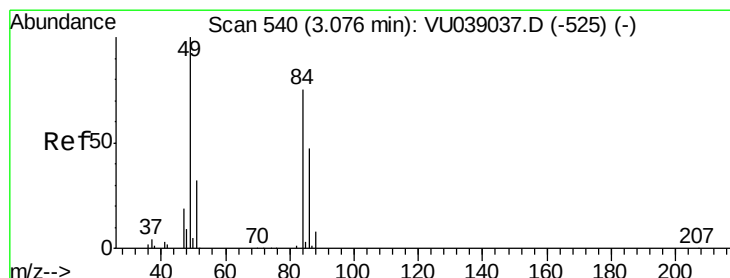
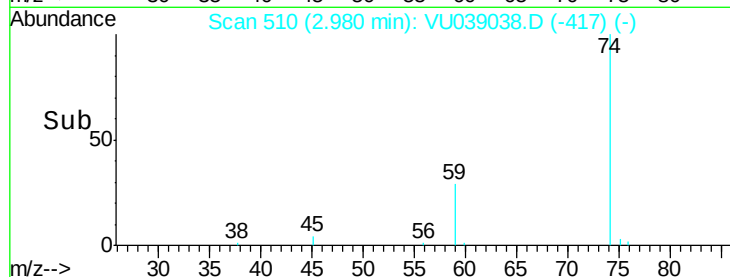
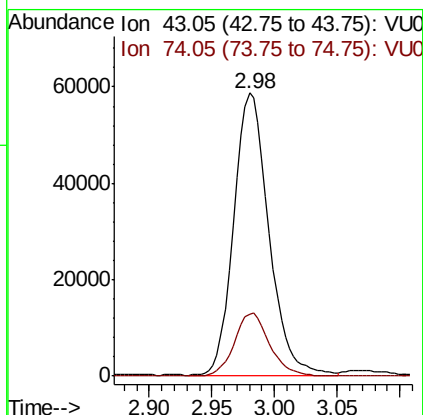
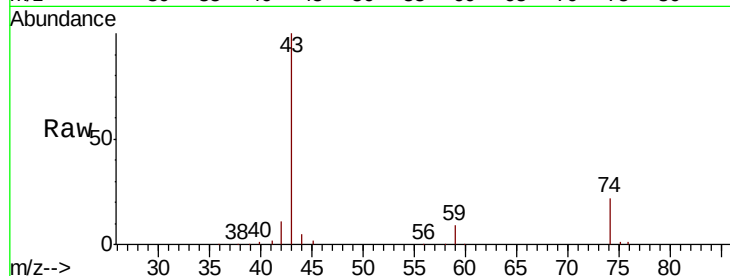




#15
Methvl Acetate
Concen: 9.304 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

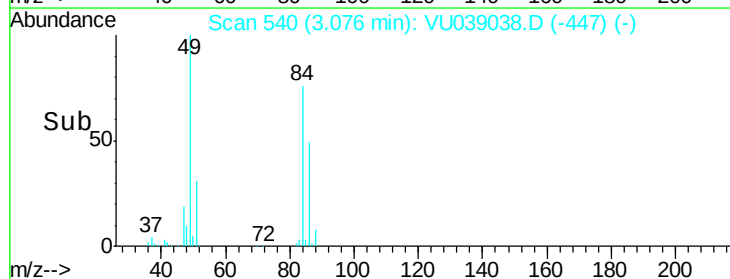
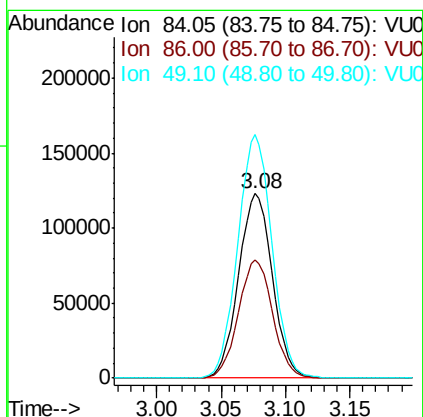
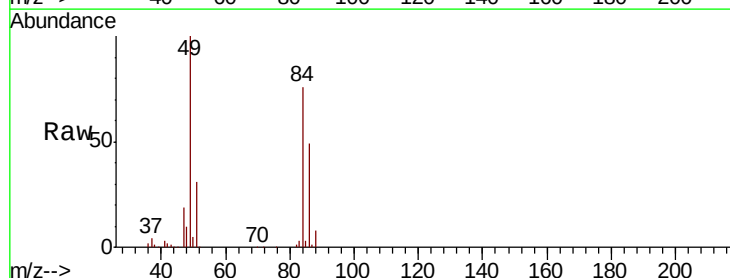
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

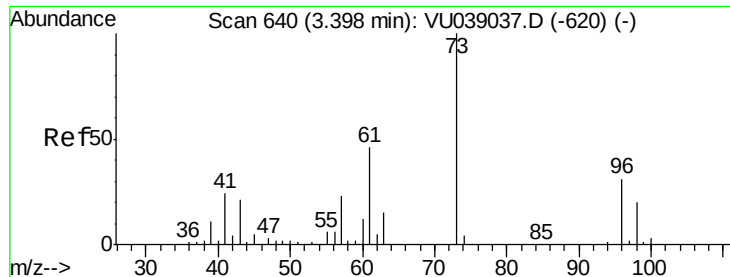
Tot Ion: 43 Resp: 113649
Ion Ratio Lower Upper
43 100
74 22.4 17.0 25.4



#16
Methylene chloride
Concen: 9.205 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion: 84 Resp: 225442
Ion Ratio Lower Upper
84 100
86 64.2 44.1 81.9
49 131.9 93.1 172.9

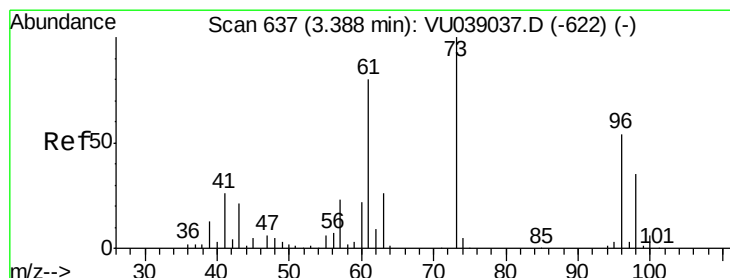
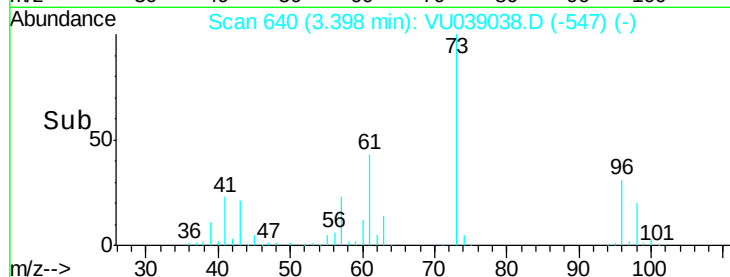
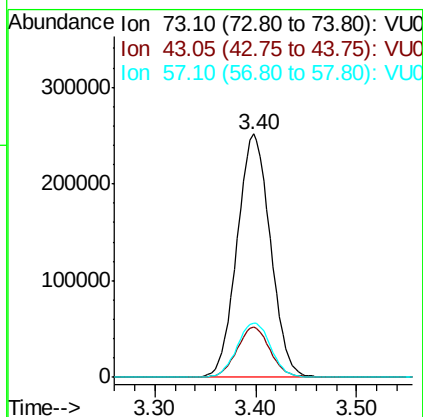
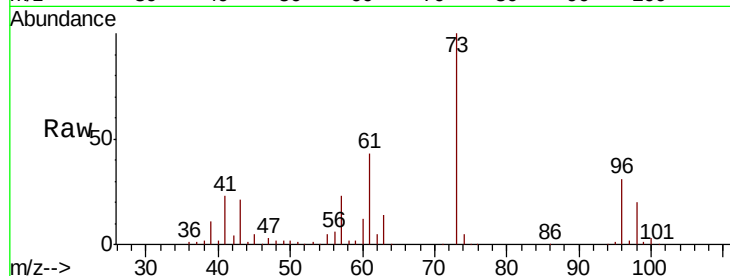




#17
Methyl tert-butyl Ether
Concen: 10.171 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

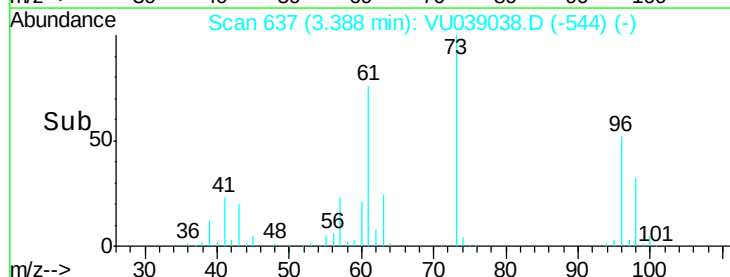
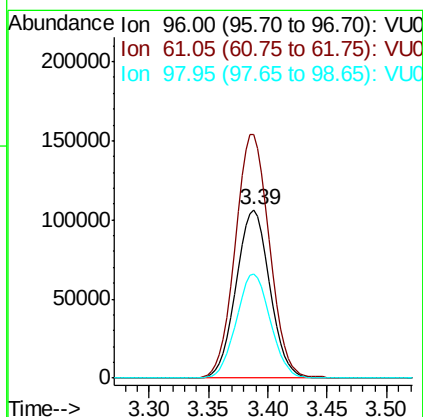
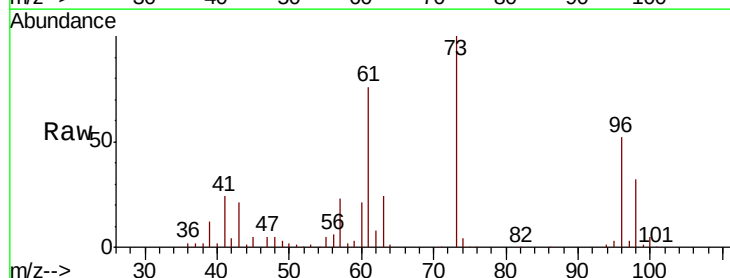
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

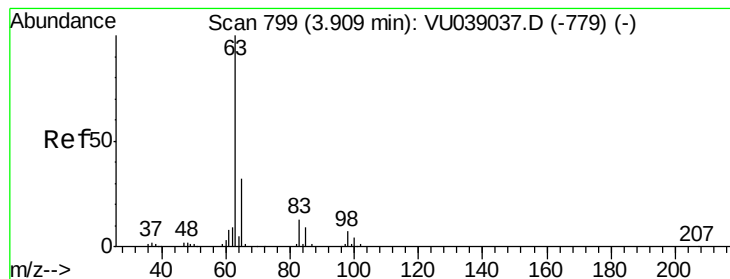
Tot Ion: 73 Resp: 574747
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 9.838 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion: 96 Resp: 208964
Ion Ratio Lower Upper
96 100
61 144.7 103.5 192.3
98 61.9 44.9 83.5





#19

1,1-Dichloroethane

Concen: 9.748 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

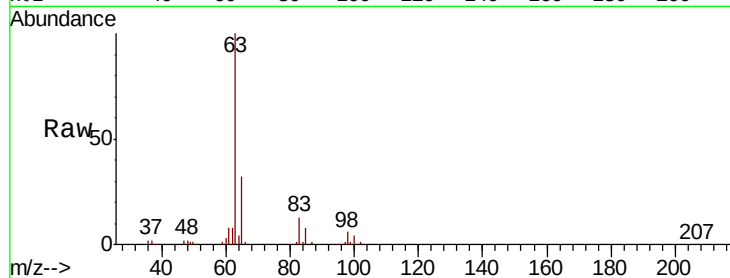
Tot Ion: 63 Resp: 411618

Ion Ratio Lower Upper

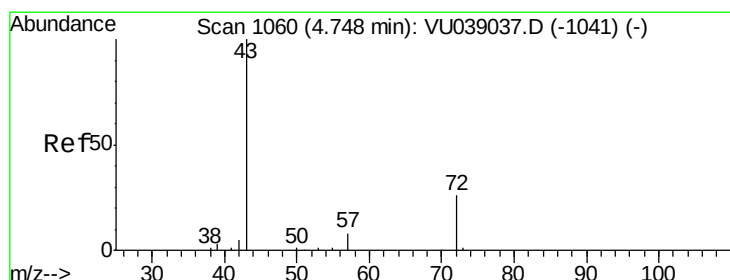
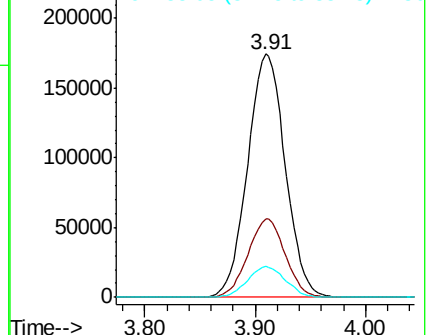
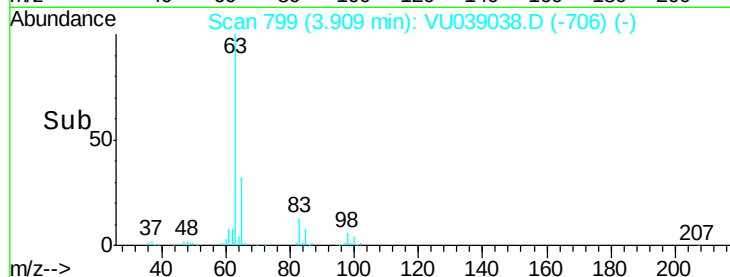
63 100

65 32.1 22.1 41.1

83 12.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU039038.D (-706) (-)



#21

2-Butanone

Concen: 102.015 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU039038.D

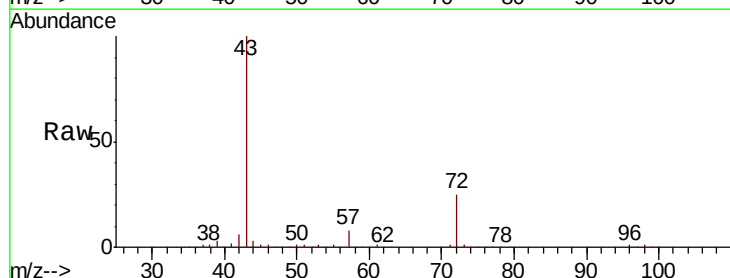
Acq: 23 Jun 2020 14:05

Tgt Ion: 43 Resp: 797819

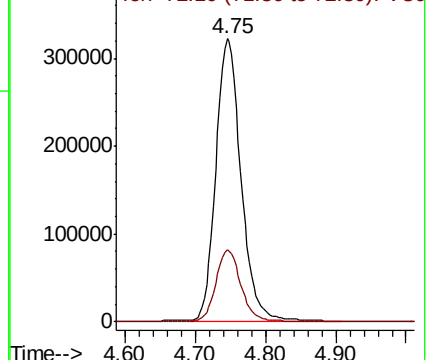
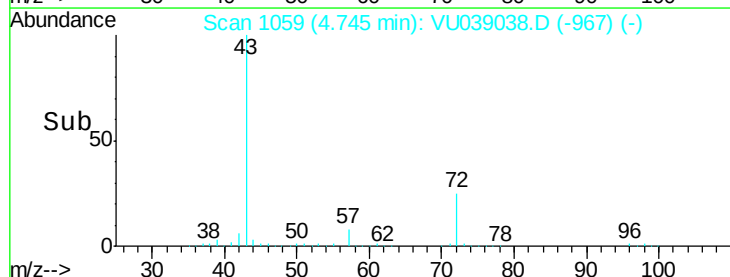
Ion Ratio Lower Upper

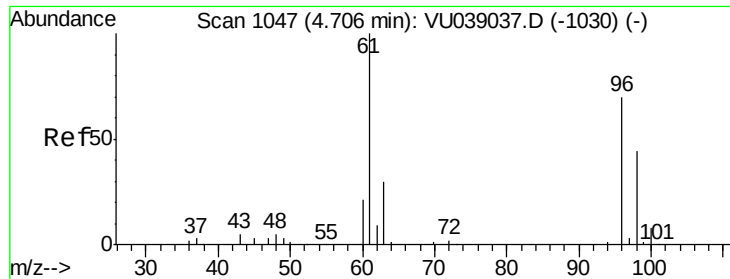
43 100

72 25.8 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU039038.D (-967) (-)

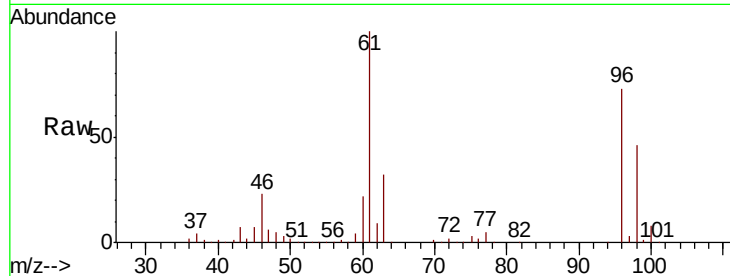




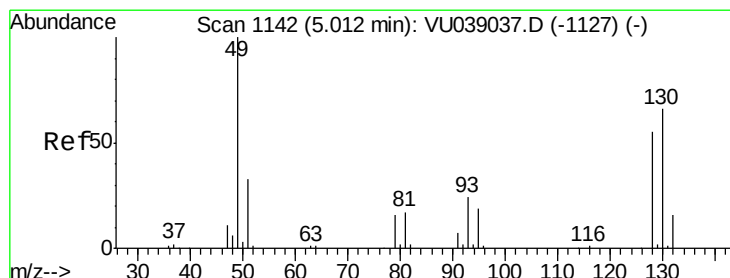
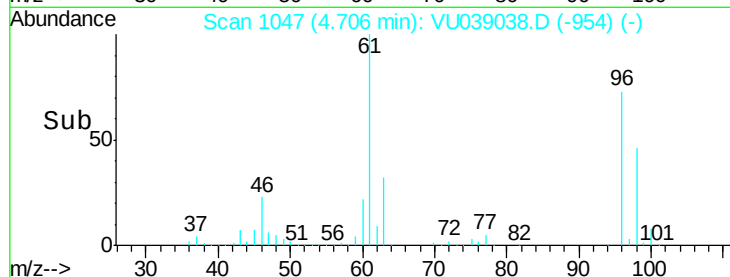
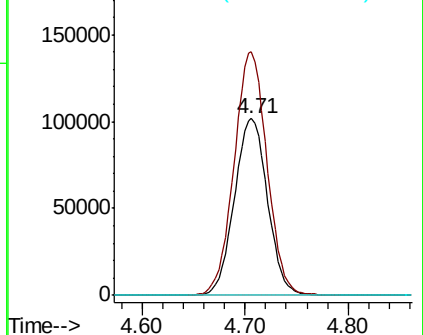
#22
 cis-1,2-Dichloroethene
 Concen: 9.947 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion: 96 Resp: 227982
 Ion Ratio Lower Upper
 96 100
 61 137.6 100.8 187.2
 68 0.0 0.0 0.0

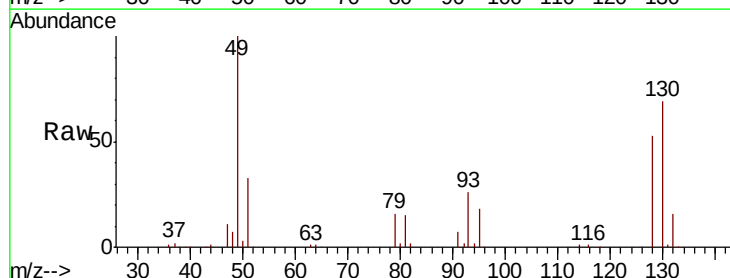


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

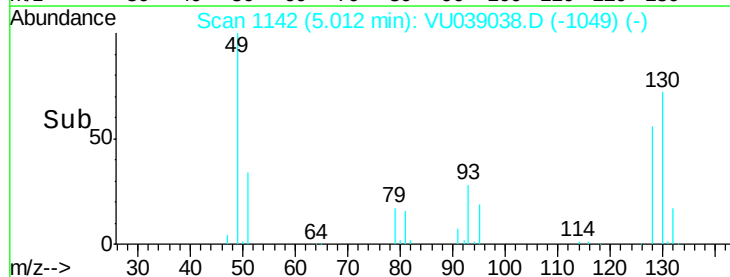
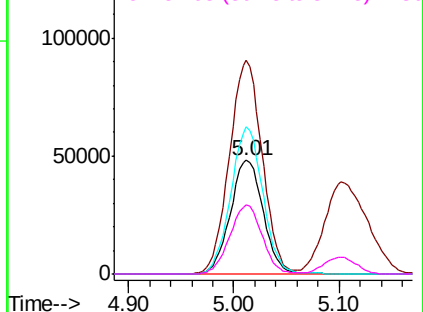


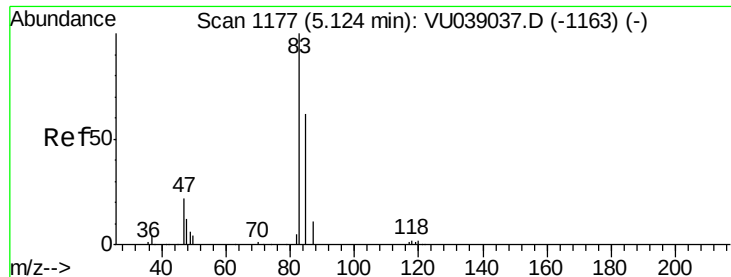
#23
 Bromochloromethane
 Concen: 9.870 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Tgt Ion: 128 Resp: 104112
 Ion Ratio Lower Upper
 128 100
 49 188.3 127.3 236.5
 130 129.3 84.4 156.7
 51 61.2 47.5 71.3



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

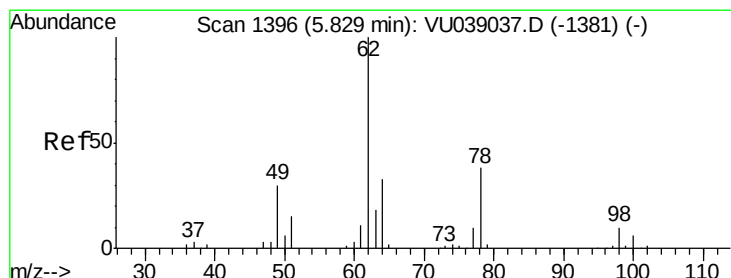
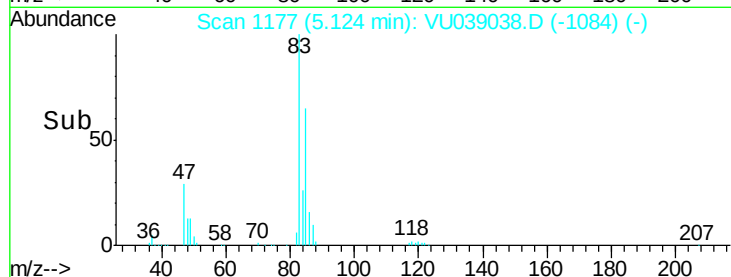
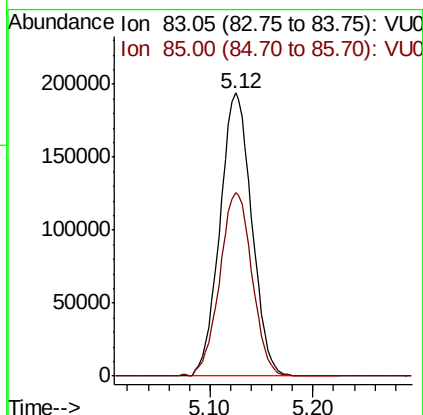
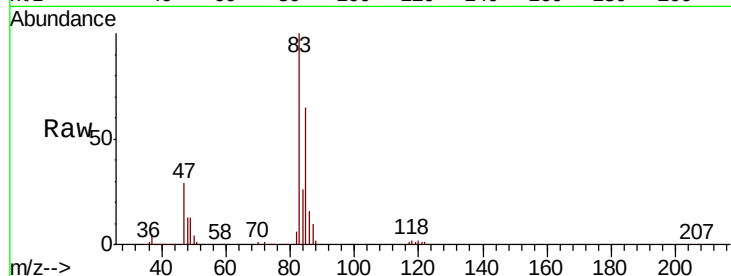




#25
Chloroform
Concen: 9.823 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

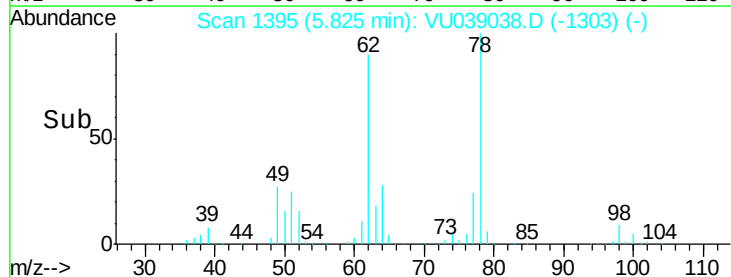
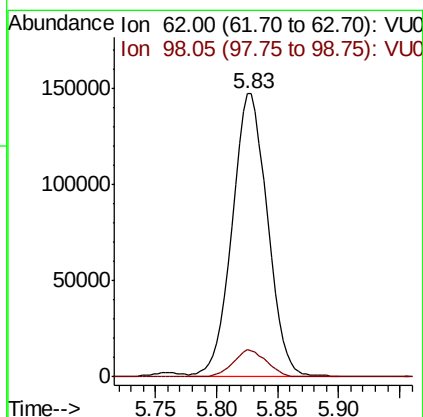
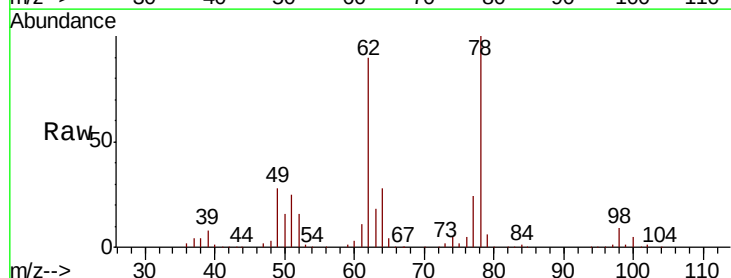
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

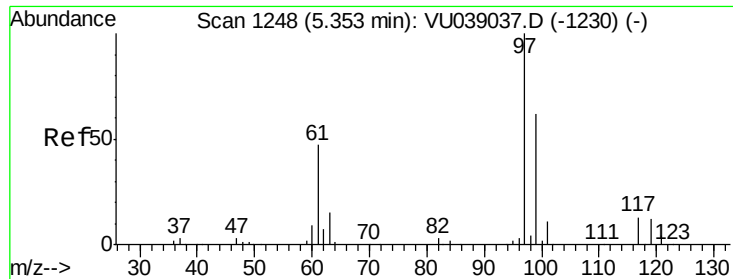
Tot Ion: 83 Resp: 416705
Ion Ratio Lower Upper
83 100
85 64.9 43.8 81.4



#27
1,2-Dichloroethane
Concen: 9.752 ug/L
RT: 5.83 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion: 62 Resp: 294784
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

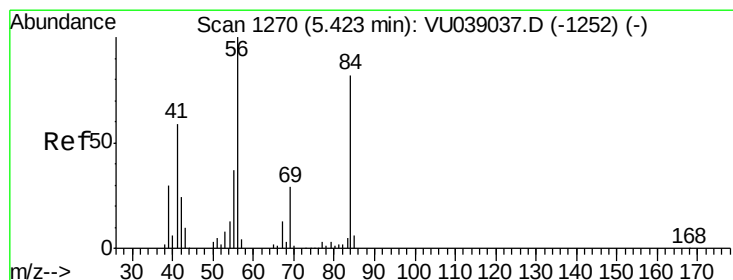
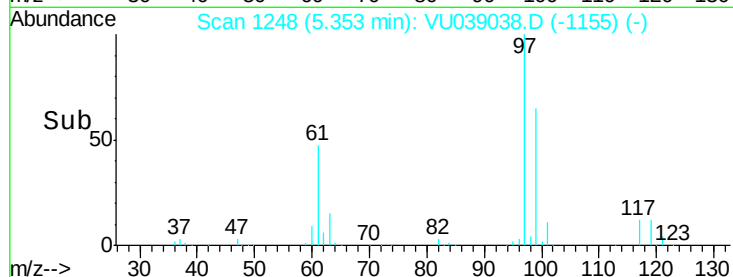
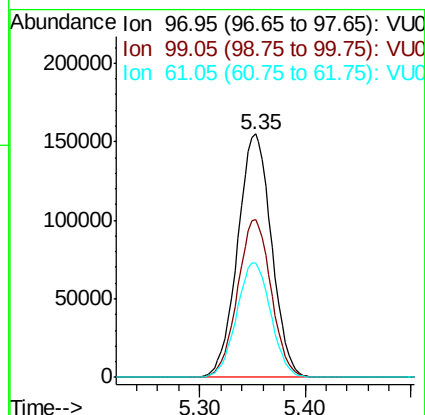
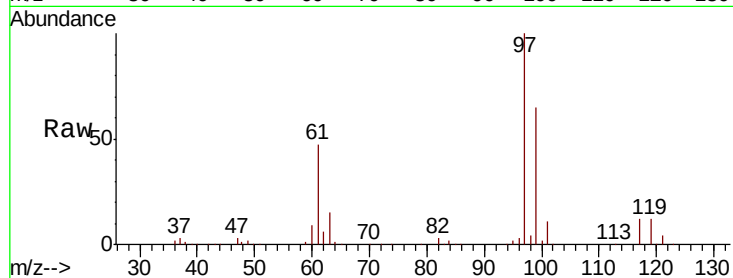




#29
1,1,1-Trichloroethane
Concen: 9.879 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

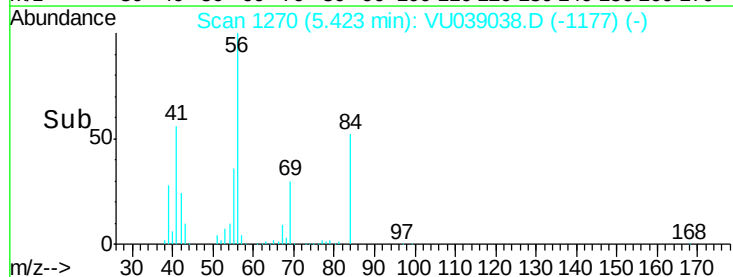
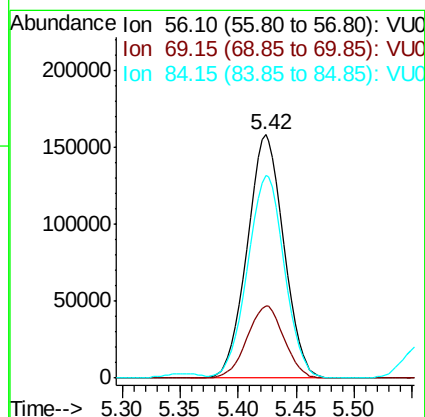
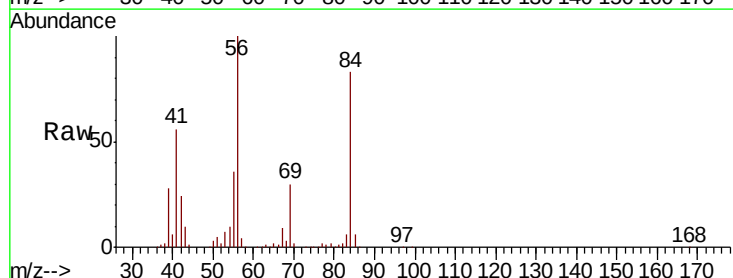
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

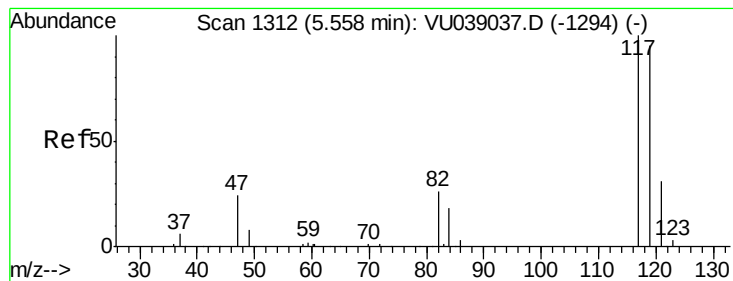
Tot Ion: 97 Resp: 345811
Ion Ratio Lower Upper
97 100
99 64.3 50.3 75.5
61 47.3 37.8 56.6



#30
Cyclohexane
Concen: 10.677 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion: 56 Resp: 347749
Ion Ratio Lower Upper
56 100
69 29.9 23.3 34.9
84 84.1 67.1 100.7





#31

Carbon tetrachloride

Concen: 9.927 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

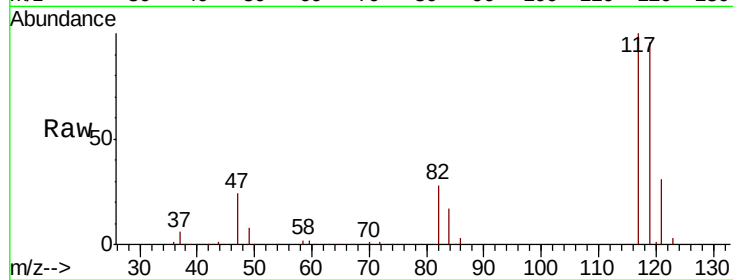
VSTD01004

Tot Ion:117 Resp: 289350

Ion Ratio Lower Upper

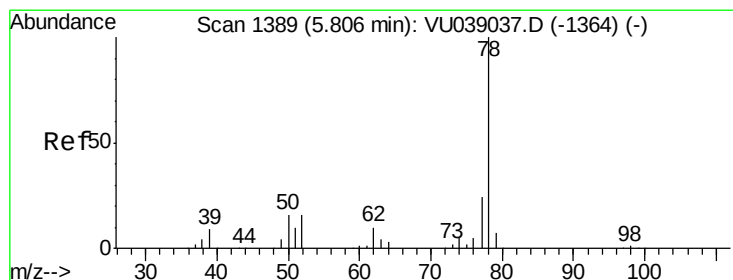
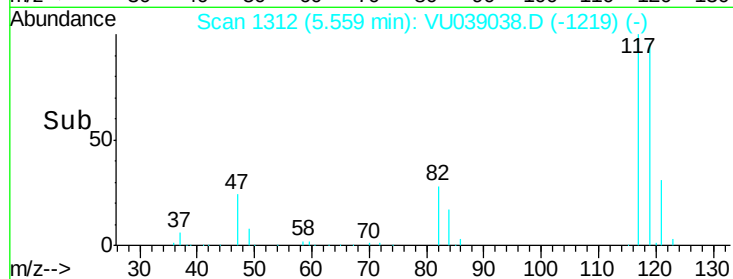
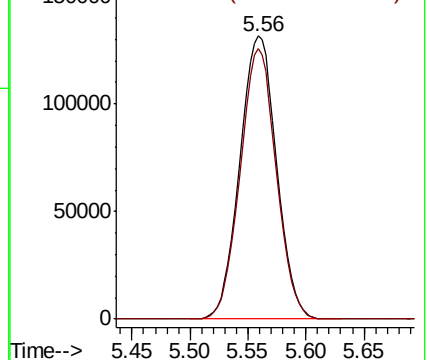
117 100

119 93.8 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.108 ug/L

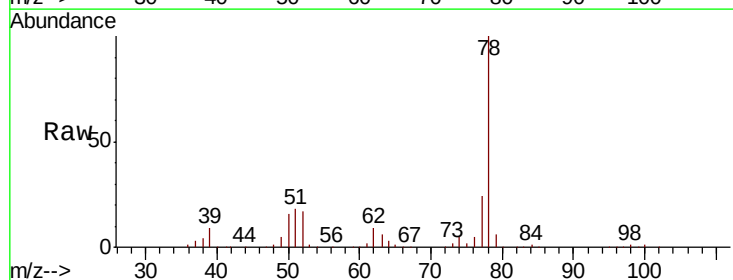
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

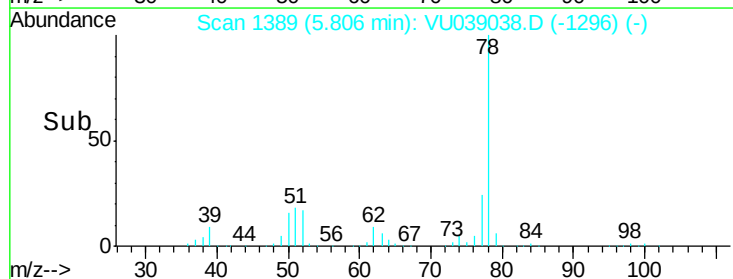
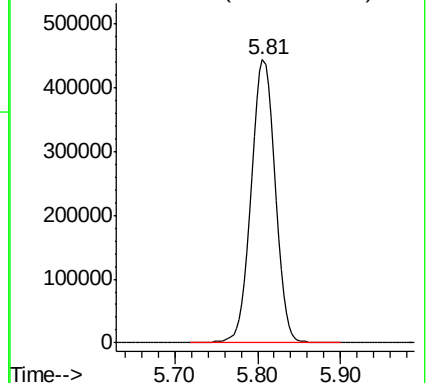
Lab File: VU039038.D

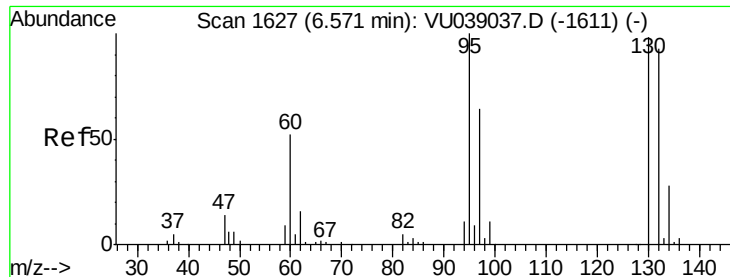
Acq: 23 Jun 2020 14:05

Tgt Ion: 78 Resp: 890796



Abundance Ion 78.10 (77.80 to 78.80): VU0

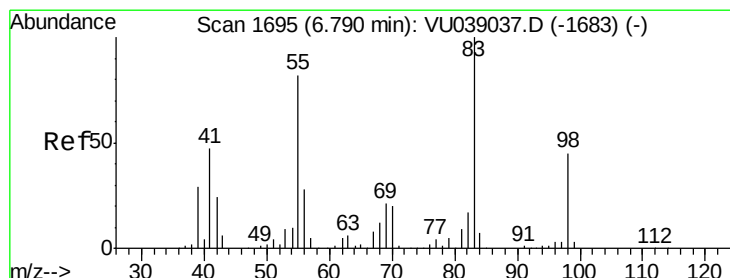
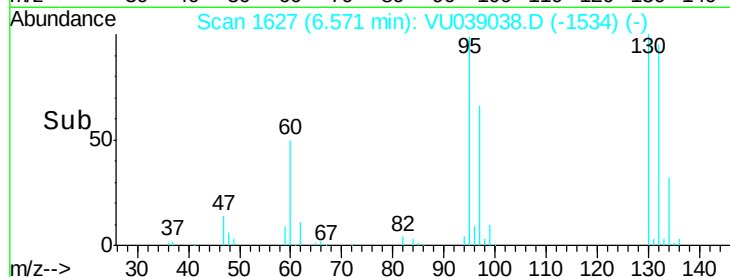
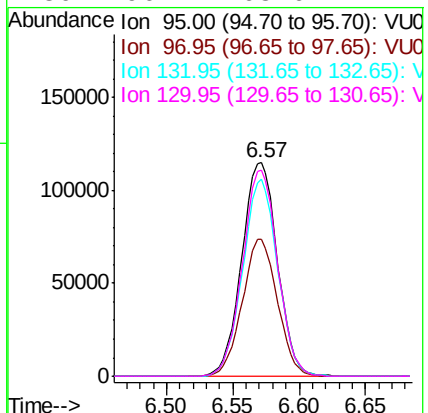
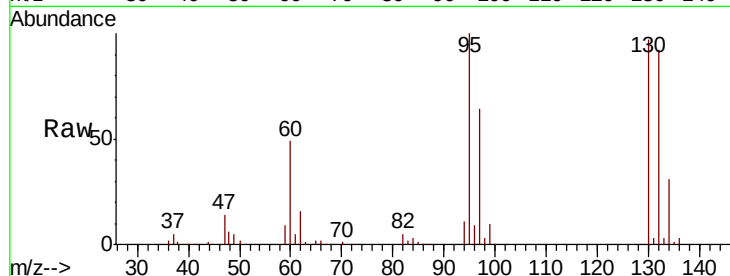




#34
 Trichloroethene
 Concen: 10.076 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

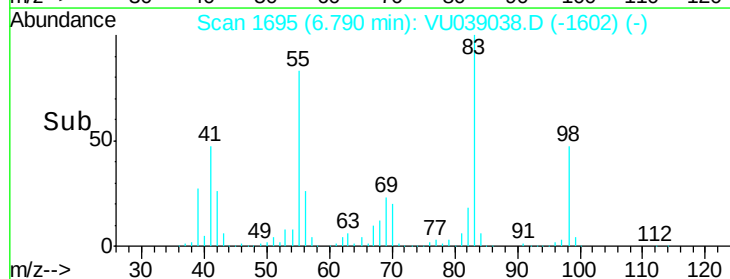
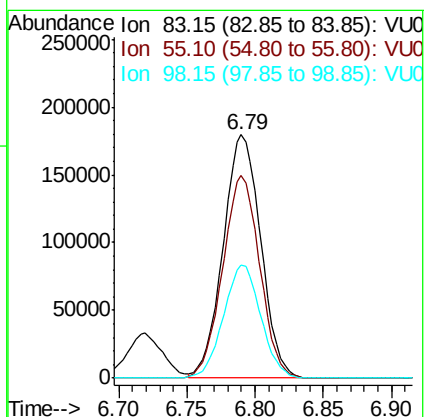
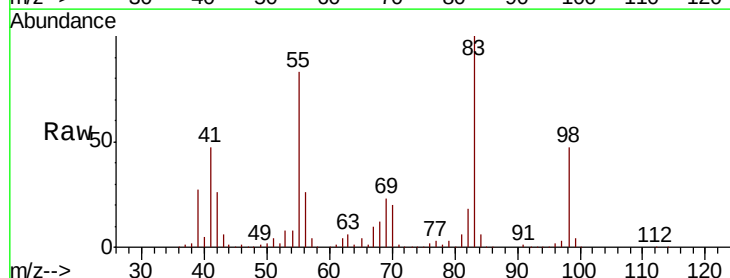
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

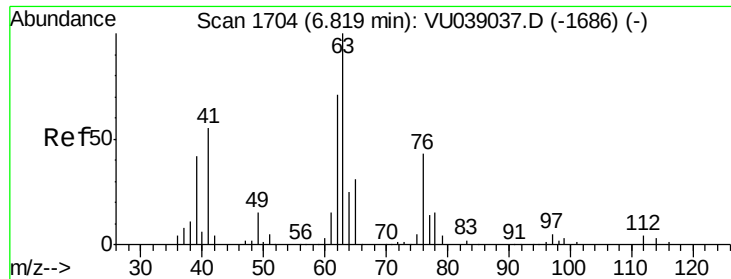
Tot Ion: 95 Resp: 214780
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.1 83.7
 132 92.1 65.1 120.9
 130 96.7 68.6 127.4



#35
 Methylcyclohexane
 Concen: 10.851 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Tgt Ion: 83 Resp: 343240
 Ion Ratio Lower Upper
 83 100
 55 82.2 65.5 98.3
 98 46.3 36.5 54.7

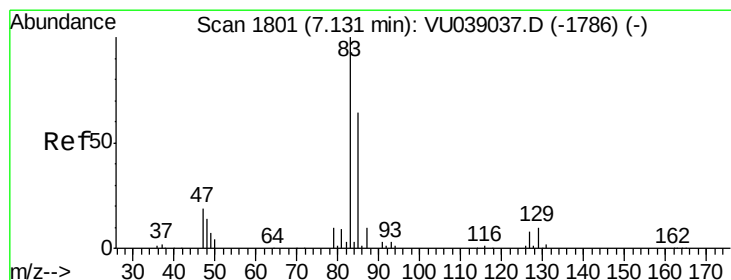
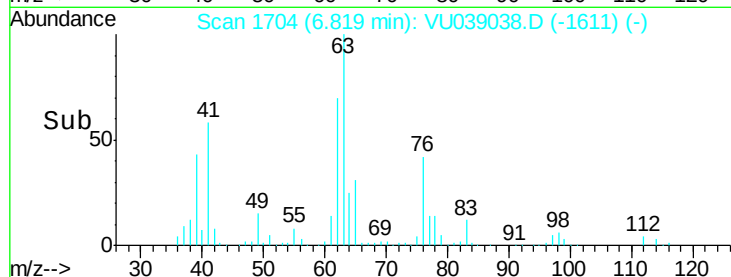
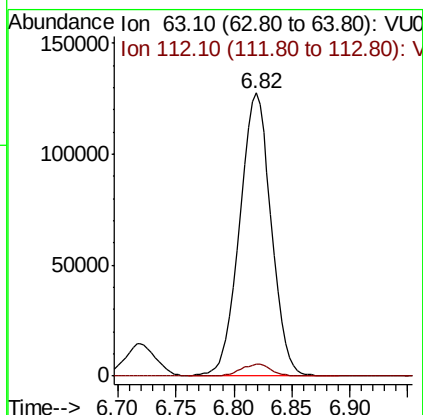
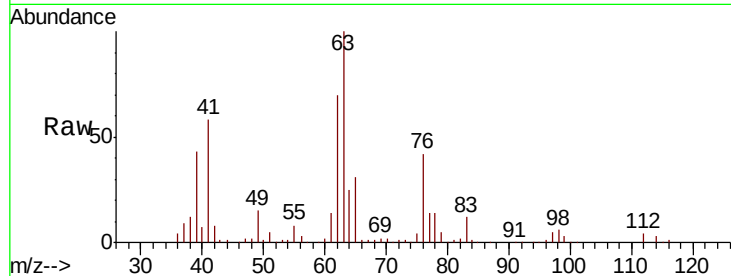




#37
 1,2-Dichloropropane
 Concen: 10.124 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

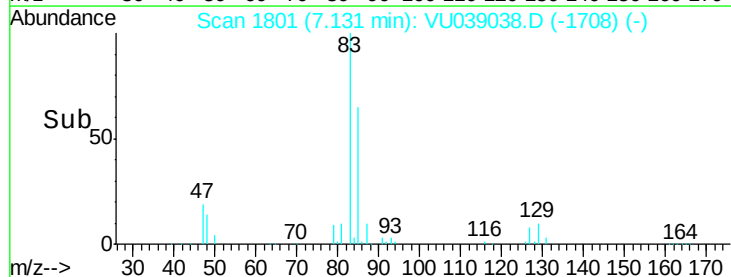
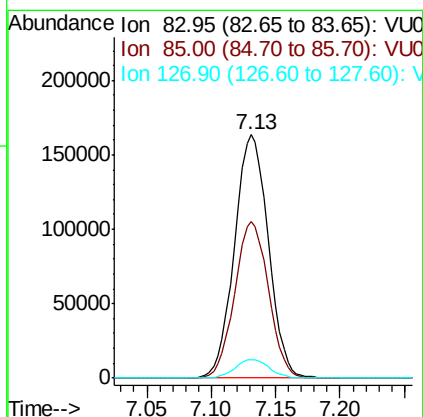
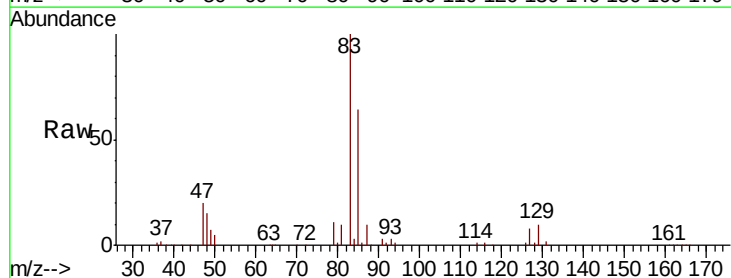
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

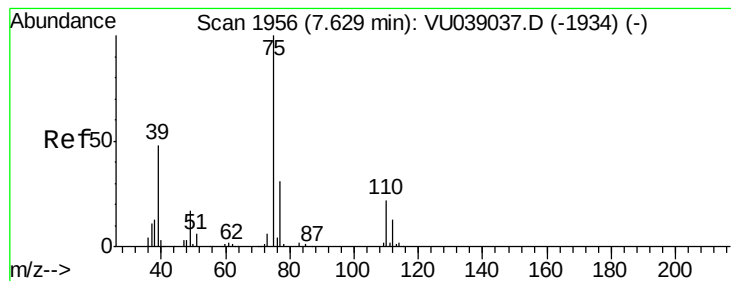
Tot Ion: 63 Resp: 241709
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 10.028 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Tgt Ion: 83 Resp: 298510
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.9 83.3
 127 7.6 6.3 9.5



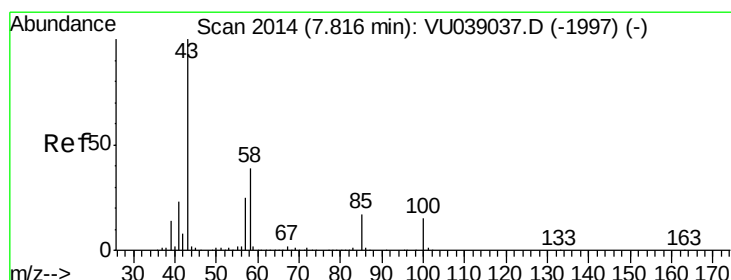
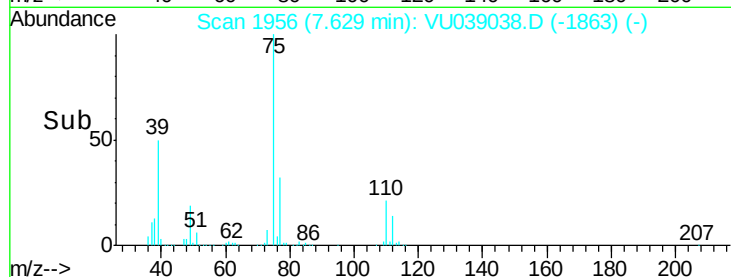
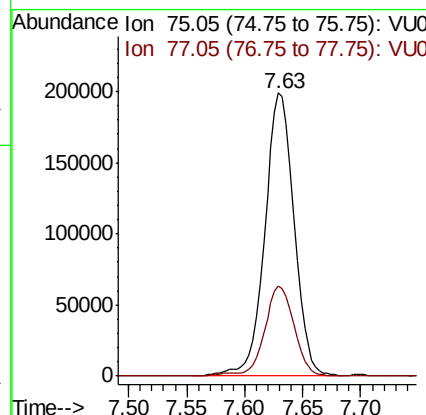
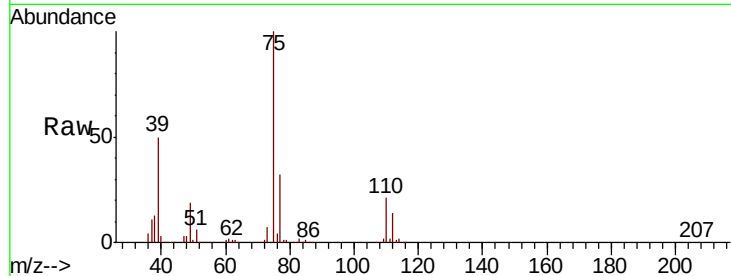


#39

cis-1,3-Dichloropropene
Concen: 10.556 ug/L
RT: 7.63 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Instrument :
MSVOA_U
ClientSampled :
VSTD01004

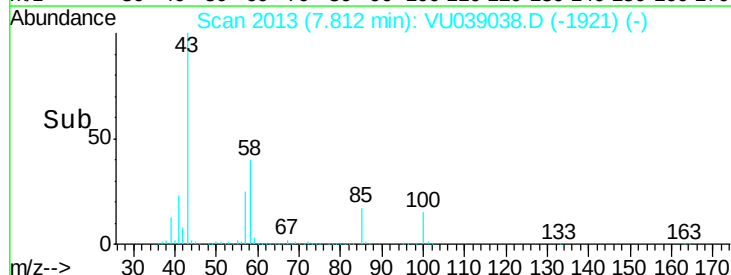
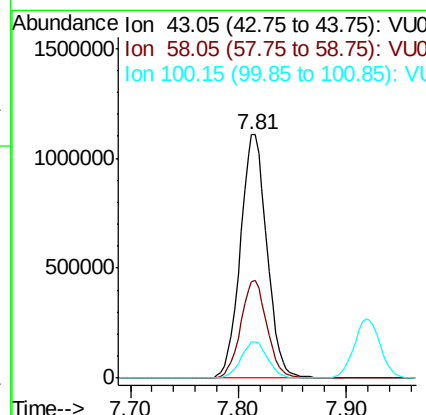
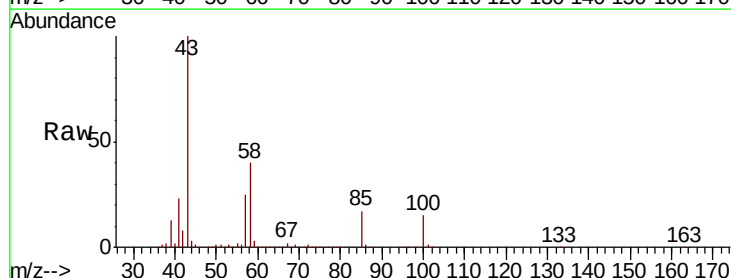
Tot Ion: 75 Resp: 349353
Ion Ratio Lower Upper
75 100
77 31.9 21.6 40.0

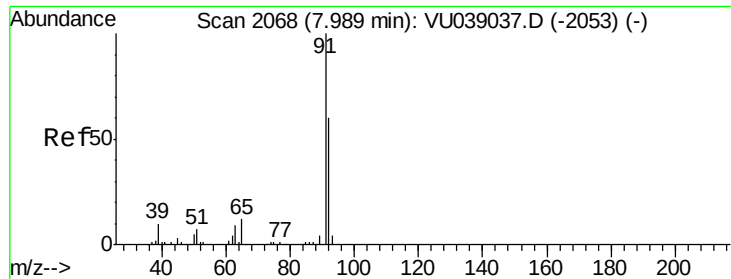


#40

4-Methyl-2-pentanone
Concen: 106.861 ug/L
RT: 7.81 min Scan# 2013
Delta R.T. -0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion: 43 Resp: 1904313
Ion Ratio Lower Upper
43 100
58 39.6 31.3 46.9
100 15.1 11.6 17.4





#42

Toluene

Concen: 10.416 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

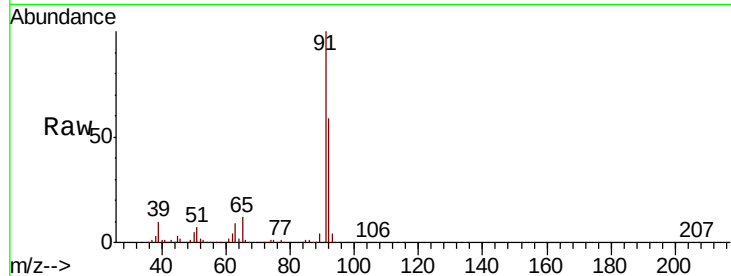
VSTD01004

Tot Ion: 91 Resp: 911137

Ion Ratio Lower Upper

91 100

92 59.2 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039038.D (-1975) (-)

Ion 92.15 (91.85 to 92.85): VU039038.D (-1975) (-)

7.99

600000

500000

400000

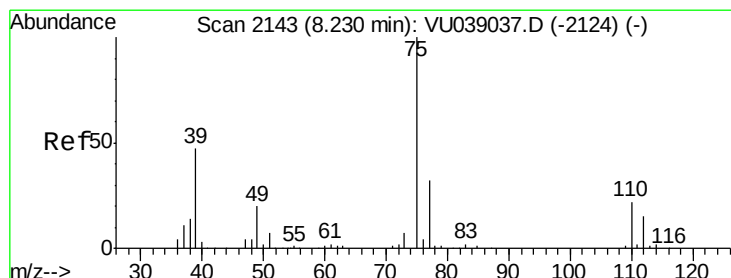
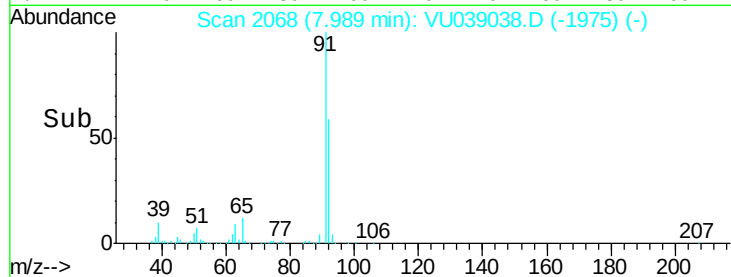
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.519 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039038.D

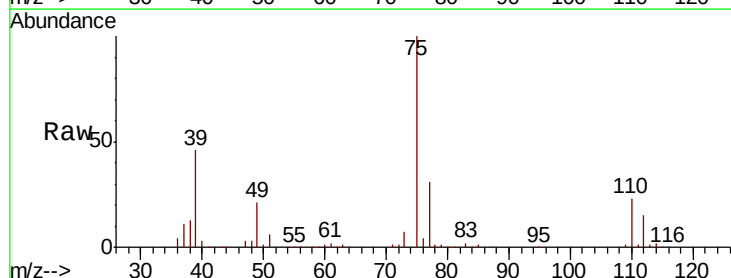
Acq: 23 Jun 2020 14:05

Tgt Ion: 75 Resp: 325722

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039038.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU039038.D (-2050) (-)

8.23

200000

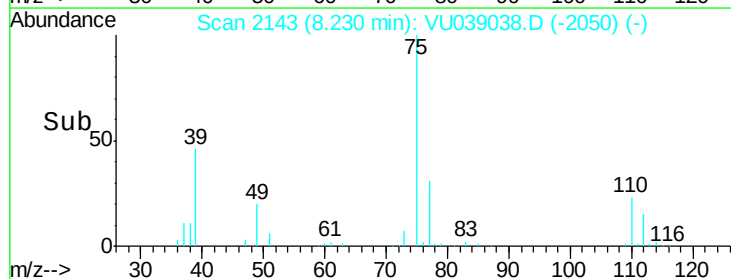
150000

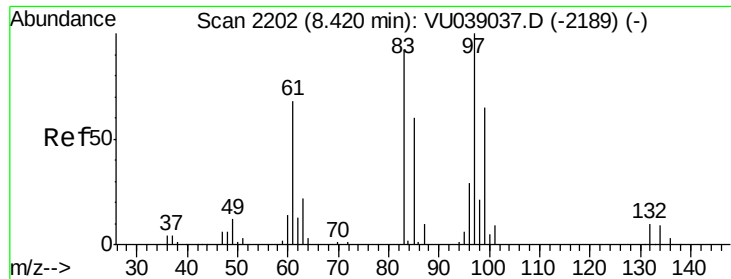
100000

50000

0

Time-->

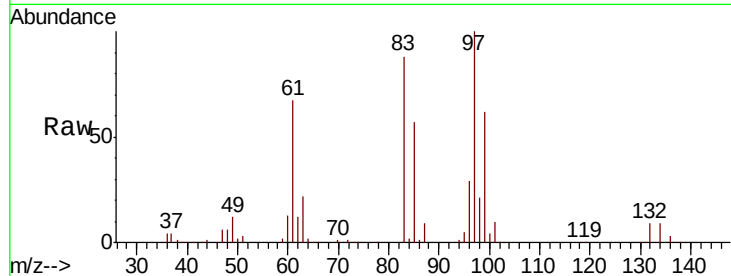




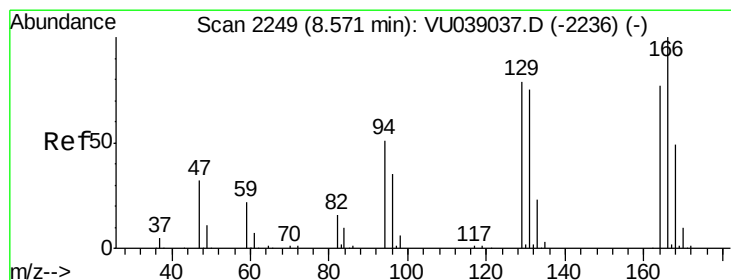
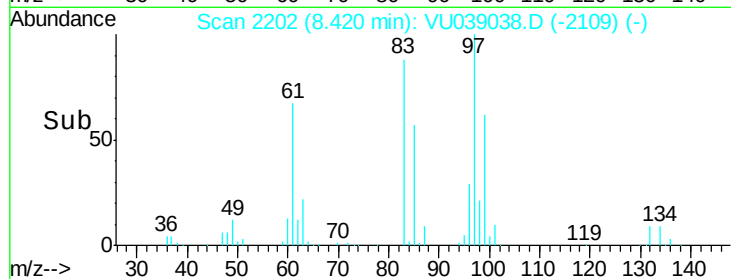
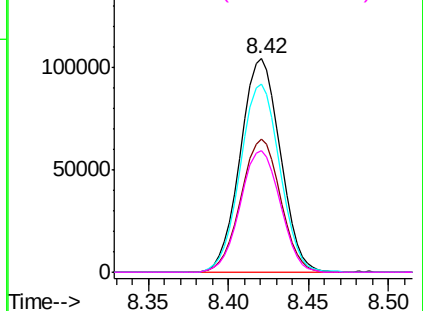
#45
 1,1,2-Trichloroethane
 Concen: 9.997 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion:	97	Resp:	177394
Ion	Ratio	Lower	Upper
97	100		
99	62.3	45.4	84.4
83	88.3	64.4	119.6
85	56.8	41.7	77.5

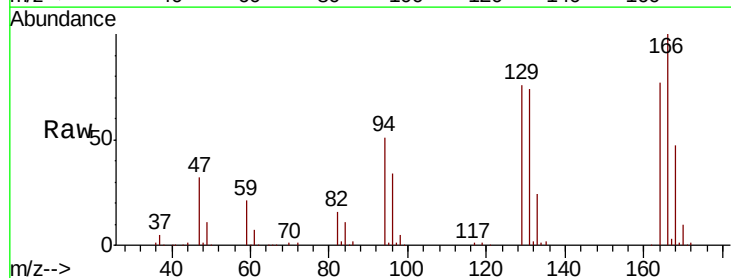


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

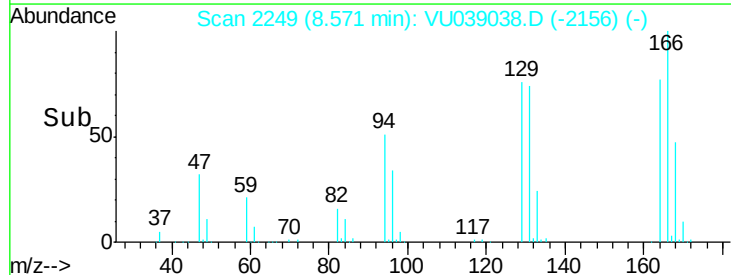
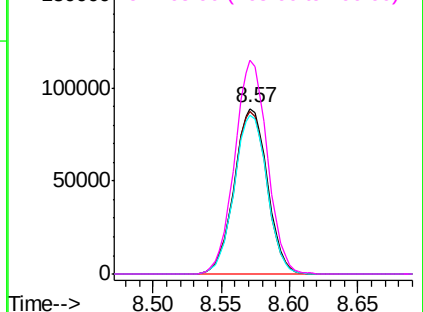


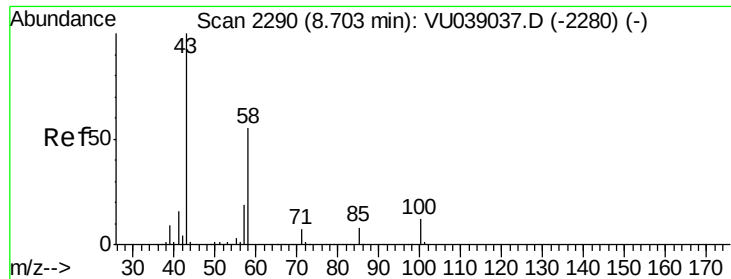
#47
 Tetrachloroethene
 Concen: 9.746 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Tgt Ion:	164	Resp:	149733
Ion	Ratio	Lower	Upper
164	100		
129	98.1	71.3	132.5
131	96.0	68.3	126.8
166	129.2	90.8	168.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

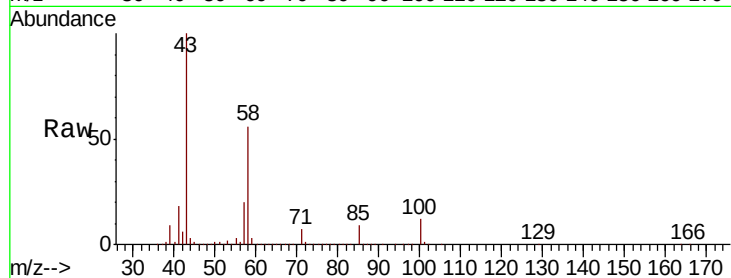




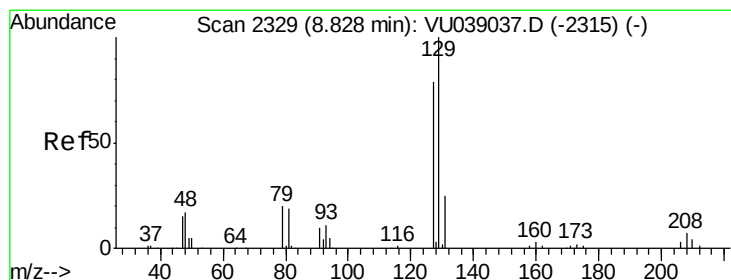
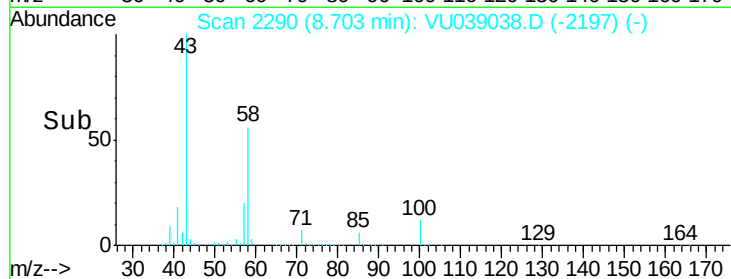
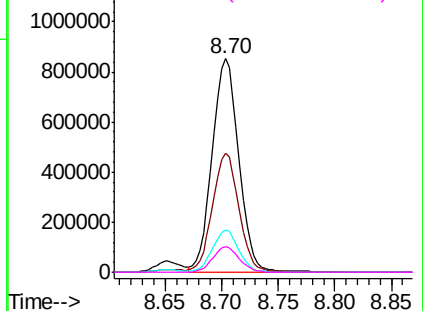
#48
2-Hexanone
Concen: 106.289 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 43 Resp: 1388569
Ion Ratio Lower Upper
43 100
58 55.7 44.0 66.0
57 19.6 15.0 22.6
100 11.9 9.4 14.2

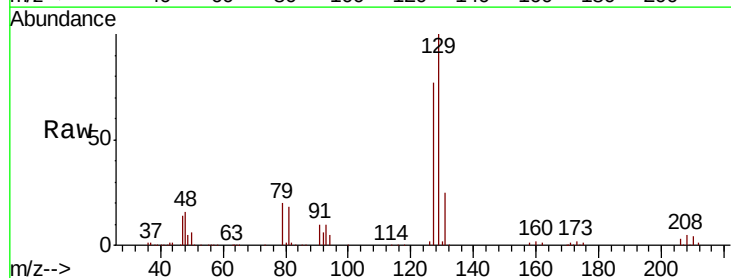


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

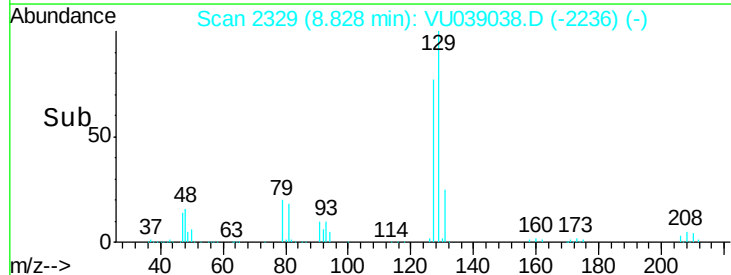
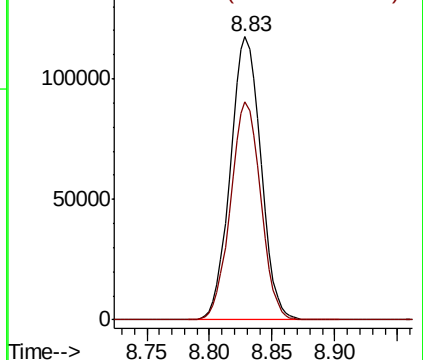


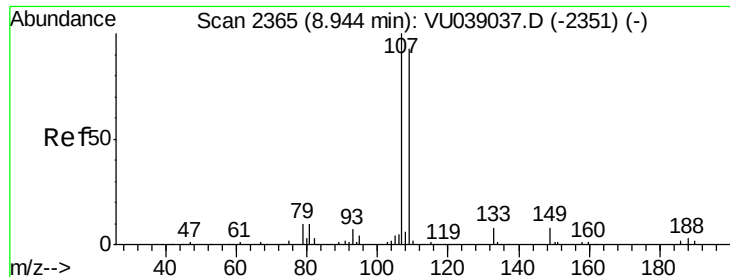
#49
Dibromochloromethane
Concen: 10.298 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion: 129 Resp: 198709
Ion Ratio Lower Upper
129 100
127 77.0 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

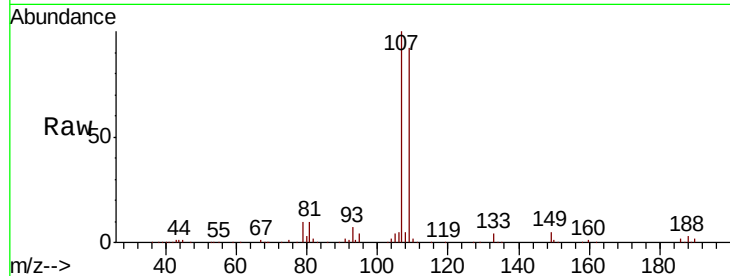




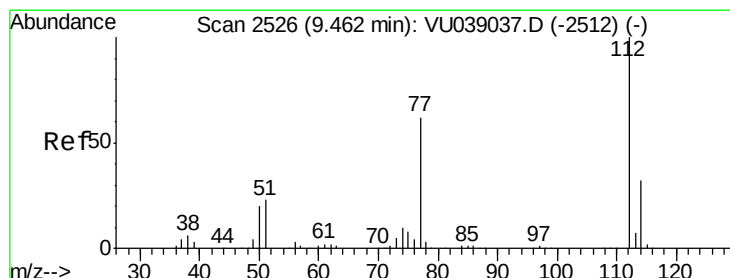
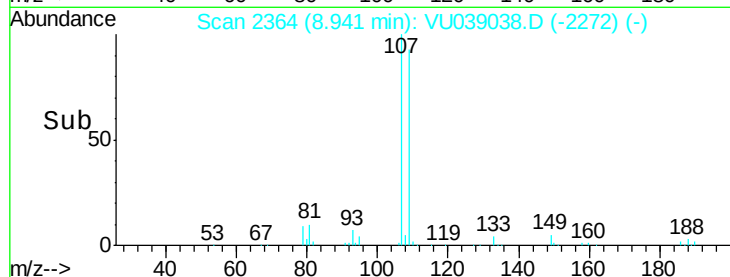
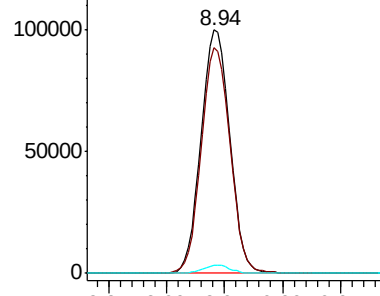
#50
1,2-Dibromoethane
Concen: 10.188 ug/L
RT: 8.94 min Scan# 2364
Delta R.T. -0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	64.8	120.4
188	3.1	2.4	3.6

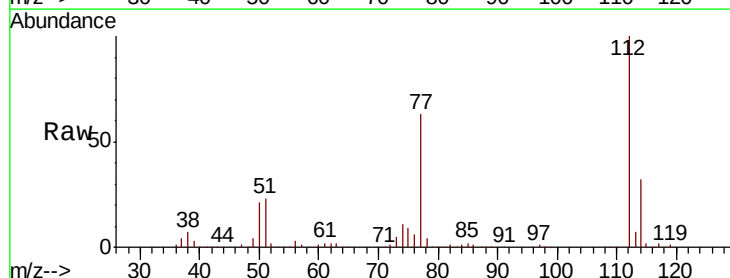


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

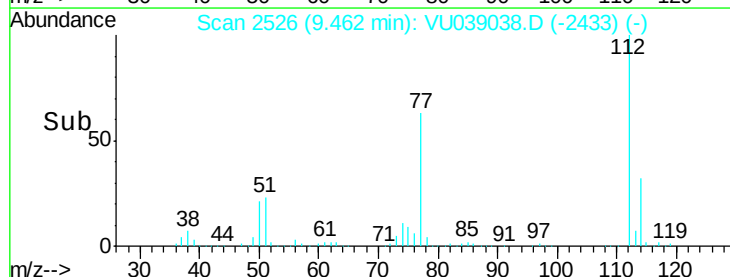
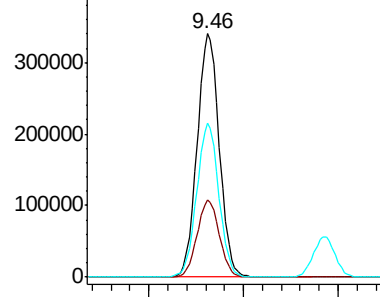


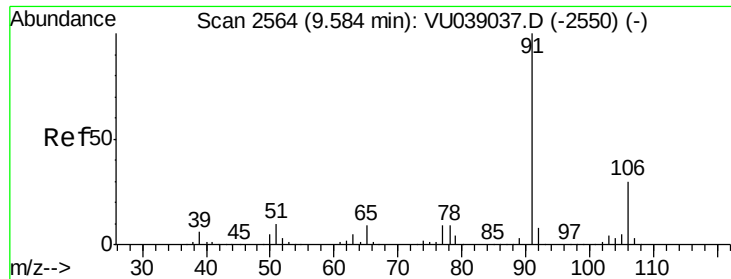
#51
Chlorobenzene
Concen: 10.045 ug/L
RT: 9.46 min Scan# 2526
Delta R.T. 0.00 min
Lab File: VU039038.D
Acq: 23 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.0	41.0
77	63.2	50.2	75.4



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): V





#52

Ethylbenzene

Concen: 10.560 ug/L

RT: 9.58 min Scan# 2564

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

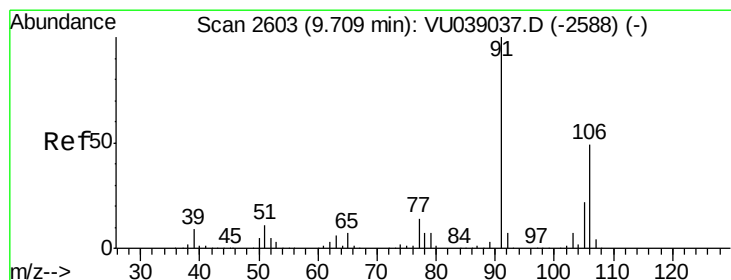
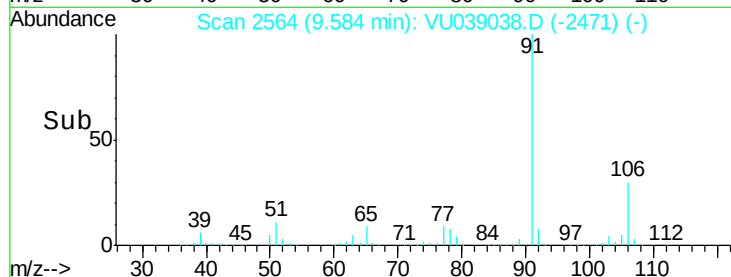
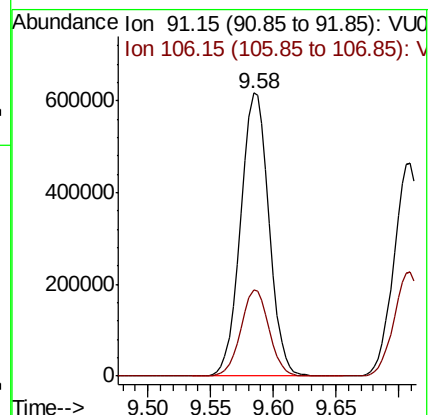
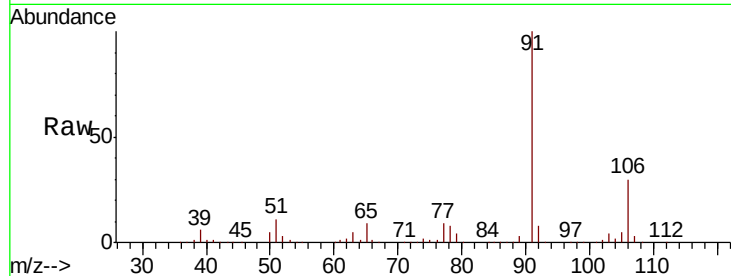
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 91 Resp: 970968

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



#53

m,p-Xylene

Concen: 10.941 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039038.D

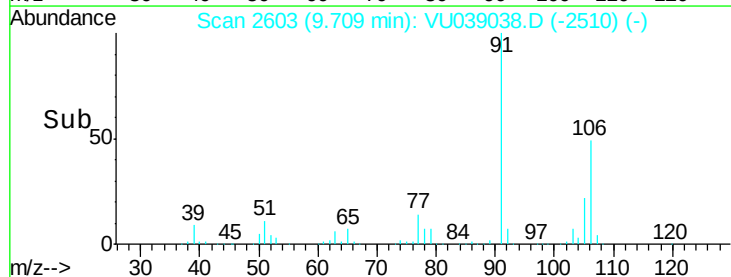
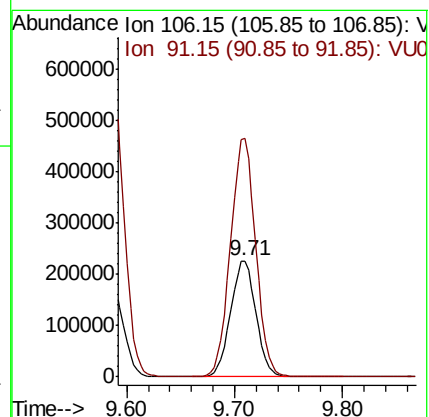
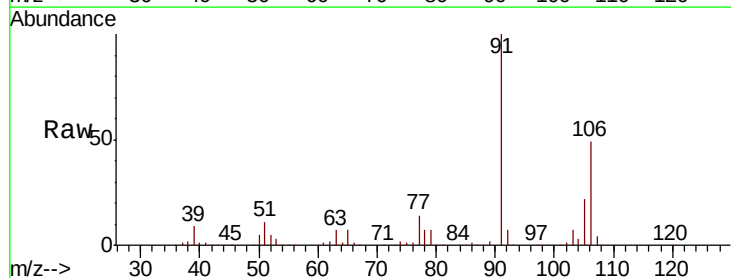
Acq: 23 Jun 2020 14:05

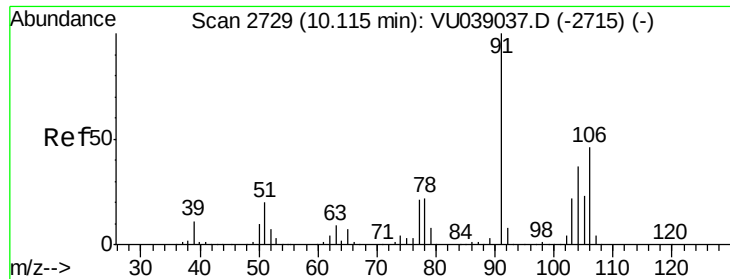
Tgt Ion: 106 Resp: 369911

Ion Ratio Lower Upper

106 100

91 204.9 143.6 266.8





#54

o-Xylene

Concen: 11.003 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

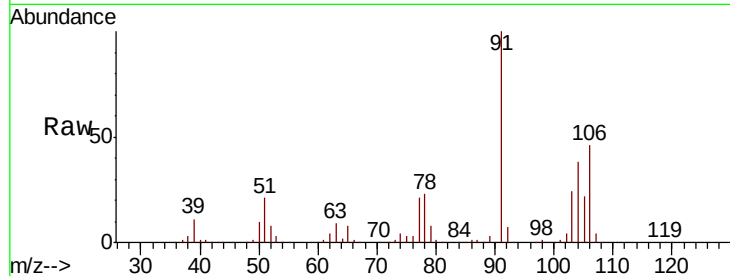
VSTD01004

Tot Ion:106 Resp: 357365

Ion Ratio Lower Upper

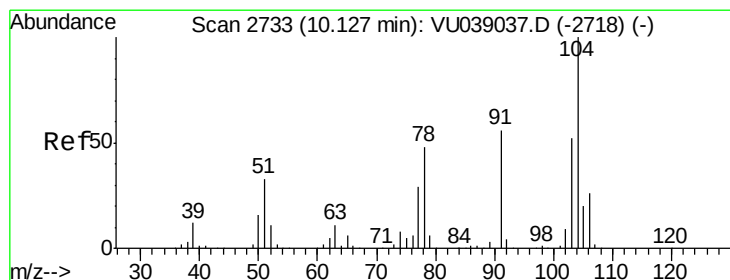
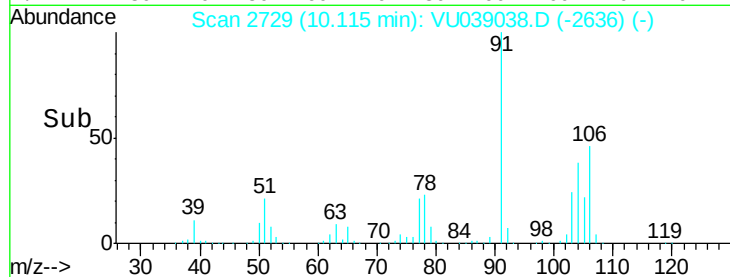
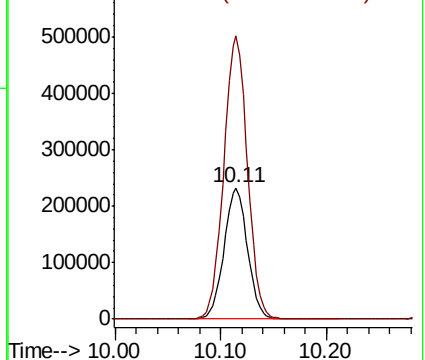
106 100

91 216.0 153.5 285.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 11.192 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU039038.D

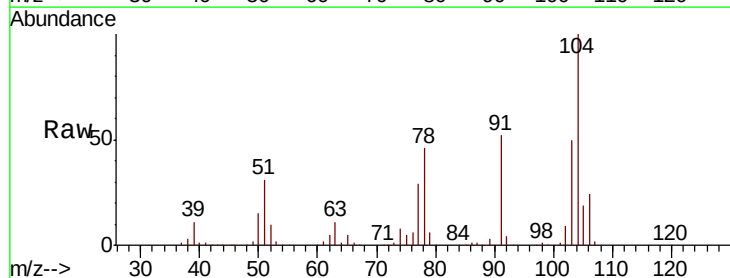
Acq: 23 Jun 2020 14:05

Tgt Ion:104 Resp: 638410

Ion Ratio Lower Upper

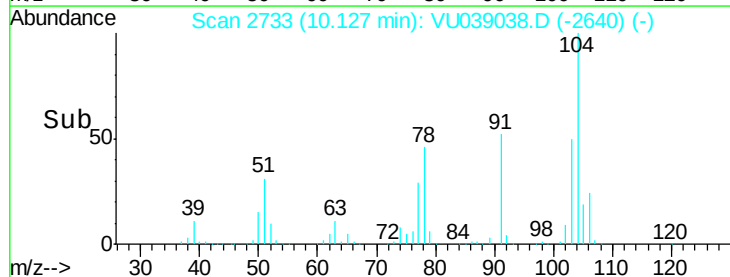
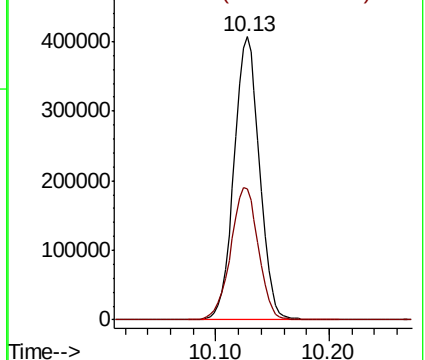
104 100

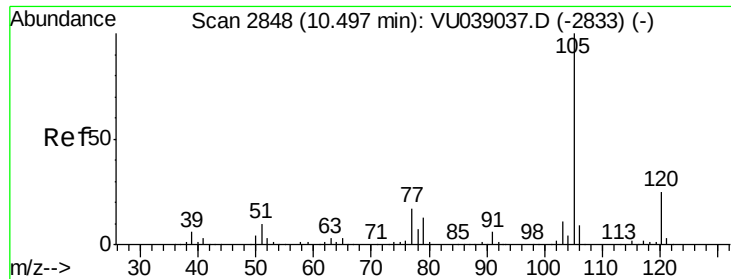
78 46.4 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.960 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

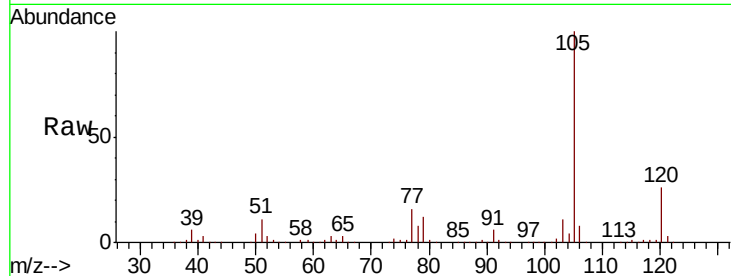
Tot Ion:105 Resp: 932792

Ion Ratio Lower Upper

105 100

120 25.6 19.9 29.9

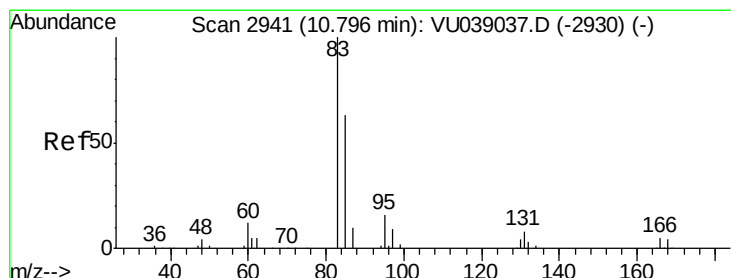
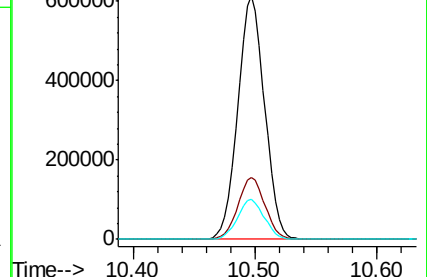
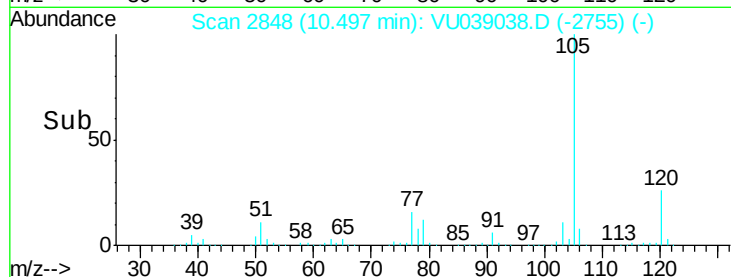
77 16.5 13.3 19.9



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: 10.007 ug/L

RT: 10.79 min Scan# 2940

Delta R.T. -0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

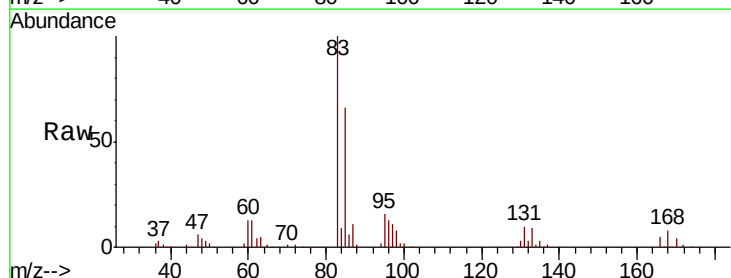
Tgt Ion: 83 Resp: 237453

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1

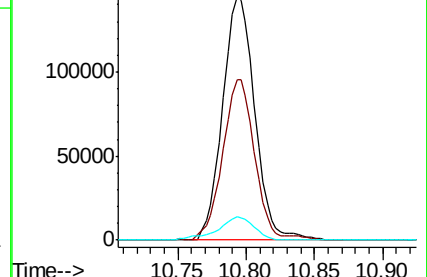
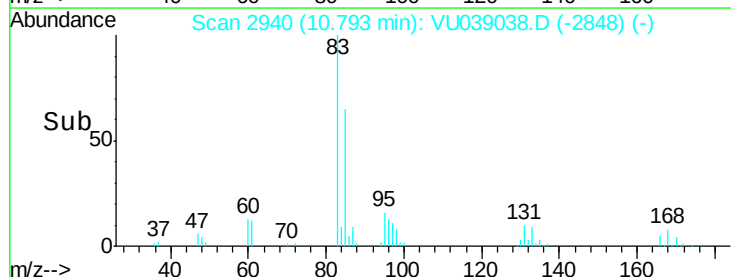
131 9.5 6.9 10.3

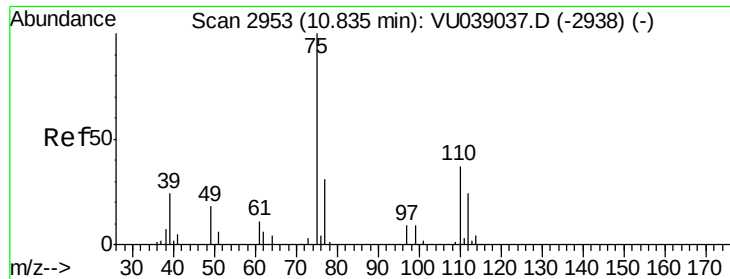


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.897 ug/L

RT: 10.83 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

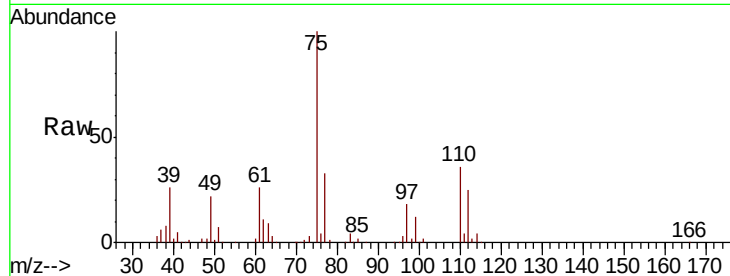
VSTD01004

Tot Ion: 75 Resp: 178150

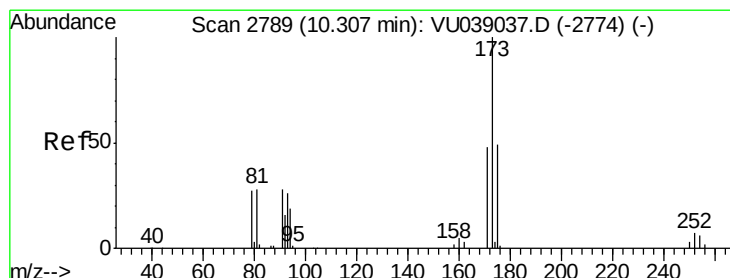
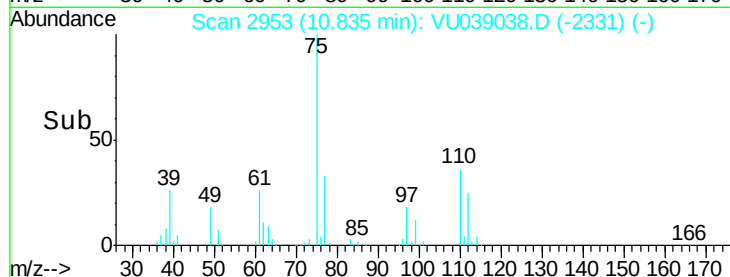
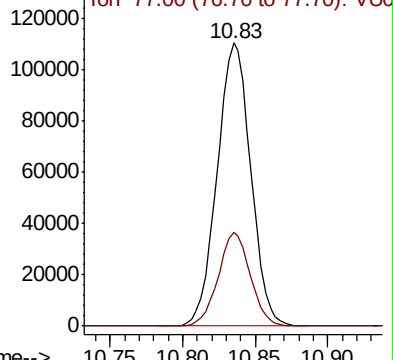
Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU039037.D (-2938) (-)



#61

Bromoform

Concen: 9.649 ug/L

RT: 10.30 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

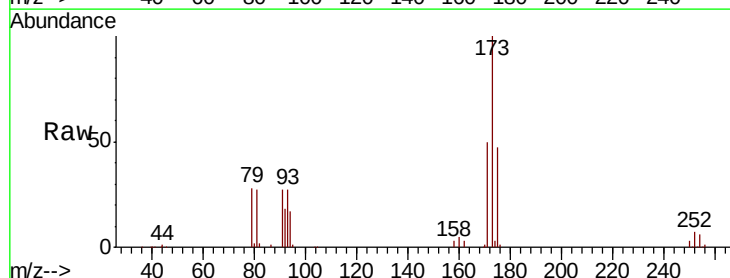
Tgt Ion:173 Resp: 111996

Ion Ratio Lower Upper

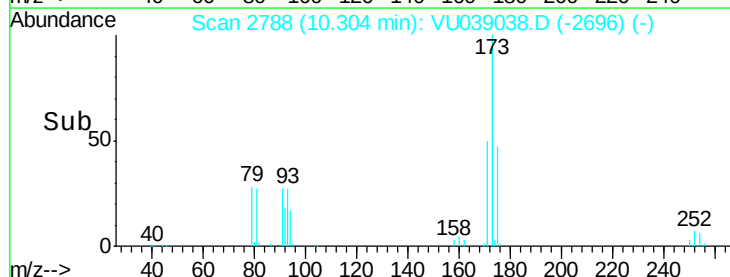
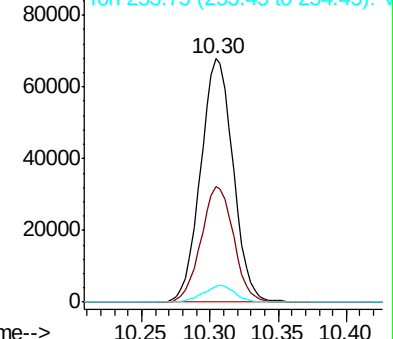
173 100

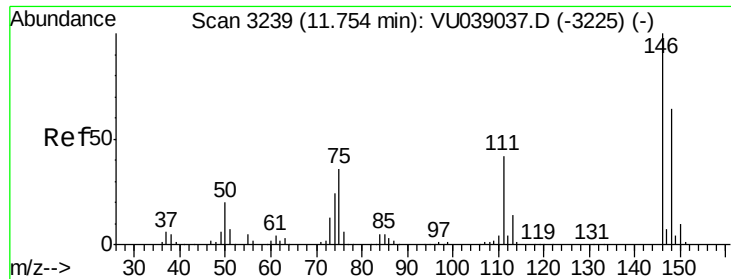
175 47.4 39.3 58.9

254 6.7 4.4 6.6#



Abundance Ion 172.90 (172.60 to 173.60): VU039037.D (-2774) (-)





#62

1,3-Dichlorobenzene

Concen: 9.860 ug/L

RT: 11.75 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

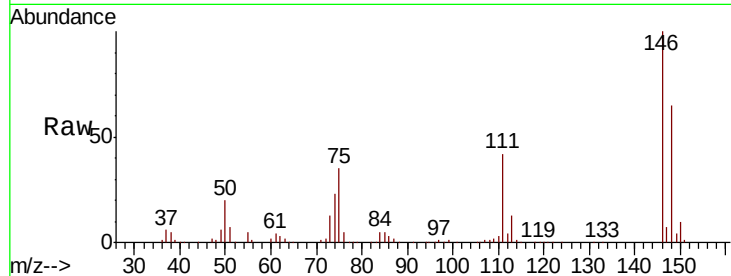
Tot Ion:146 Resp: 416626

Ion Ratio Lower Upper

146 100

111 42.0 29.5 54.9

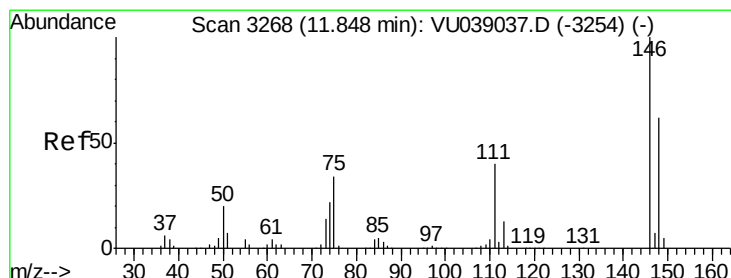
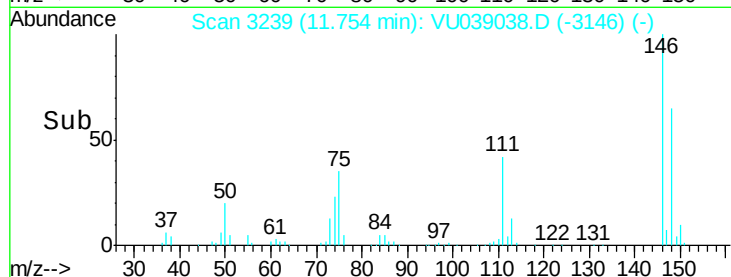
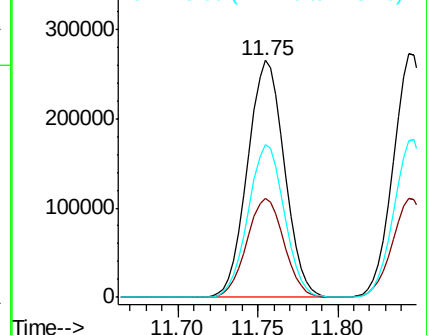
148 64.6 44.5 82.7



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: 9.753 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

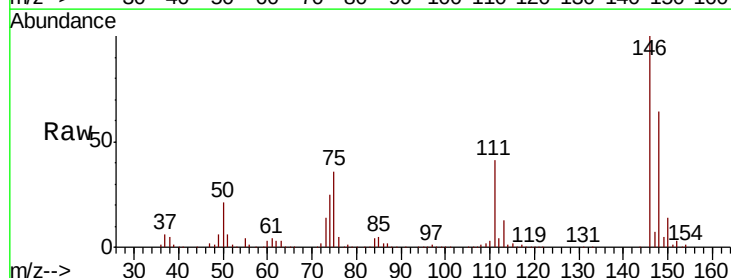
Tgt Ion:146 Resp: 424438

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

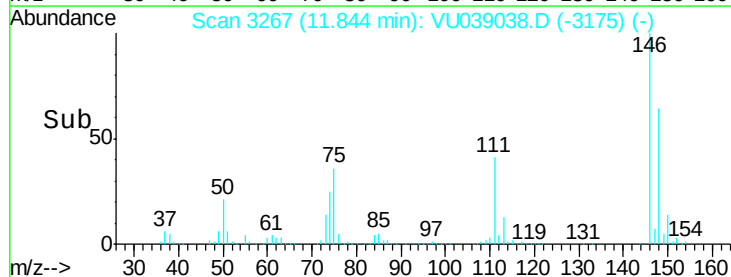
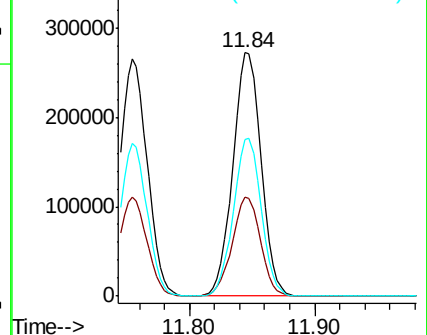
148 64.1 43.4 80.6

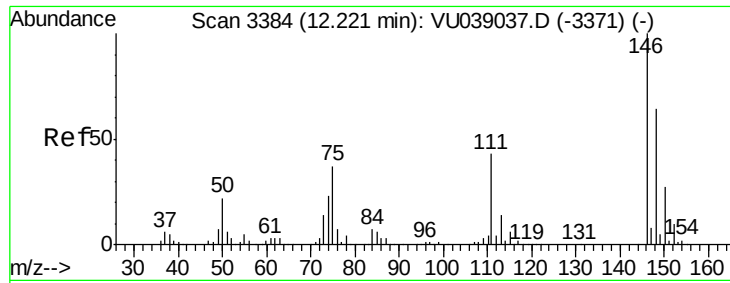


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

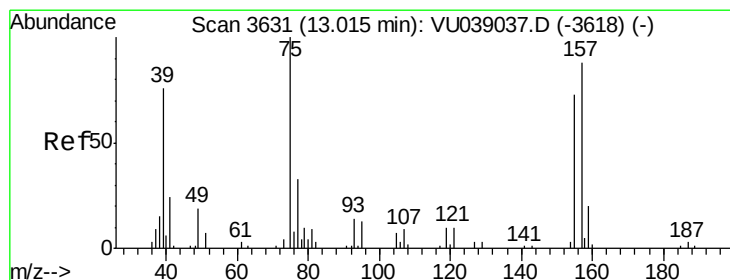
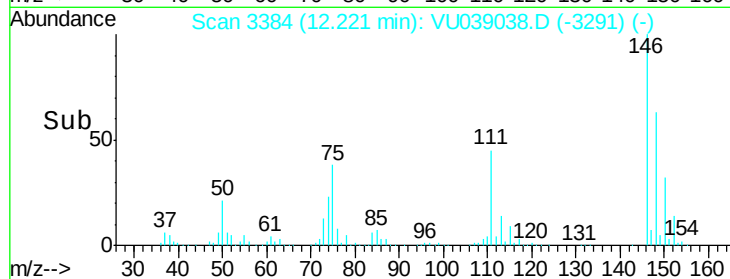
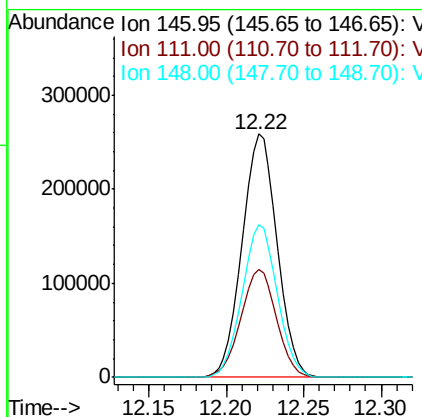
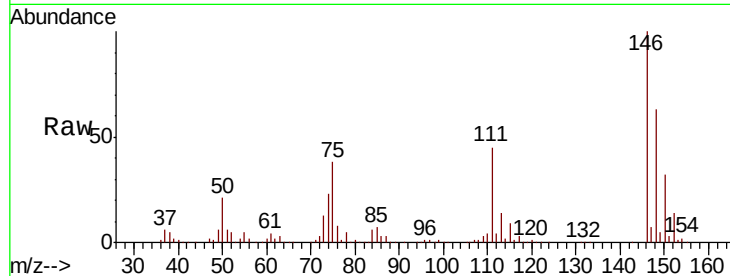




#65
 1,2-Dichlorobenzene
 Concen: 9.631 ug/L
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

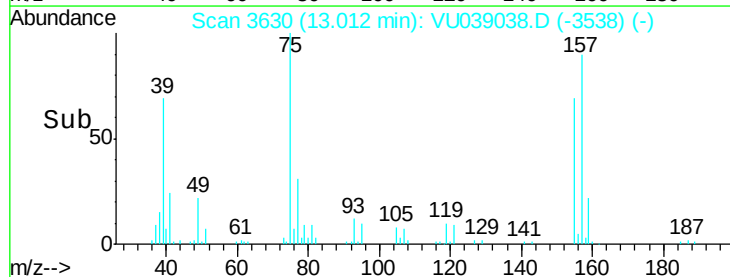
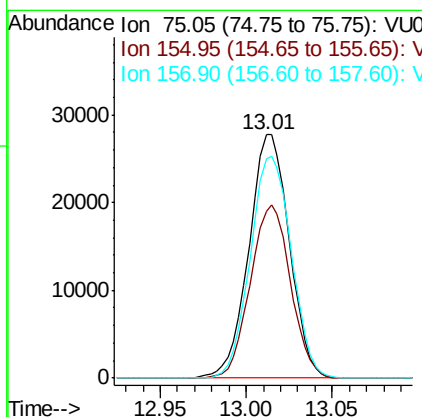
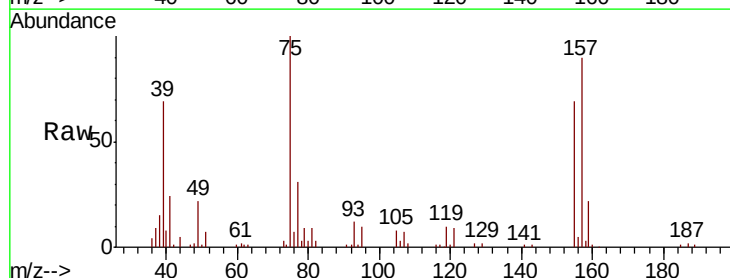
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

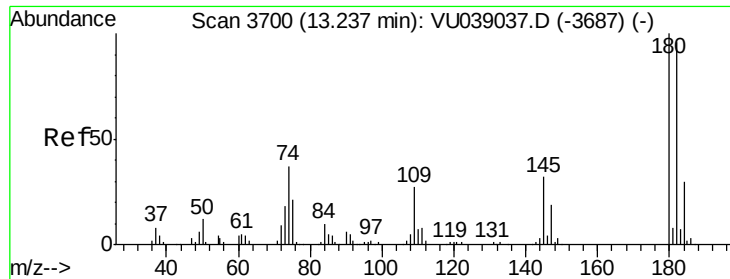
Tot Ion:146 Resp: 408052
 Ion Ratio Lower Upper
 146 100
 111 44.6 34.7 52.1
 148 62.7 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.699 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Tgt Ion: 75 Resp: 45329
 Ion Ratio Lower Upper
 75 100
 155 68.8 58.6 88.0
 157 90.2 70.3 105.5

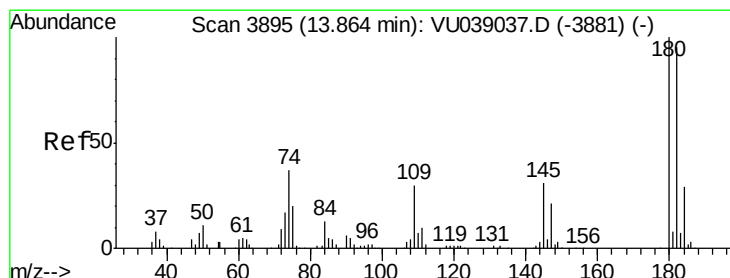
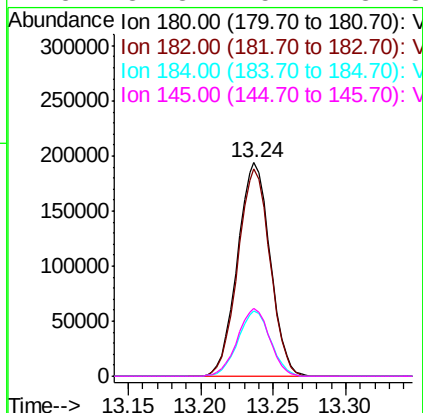
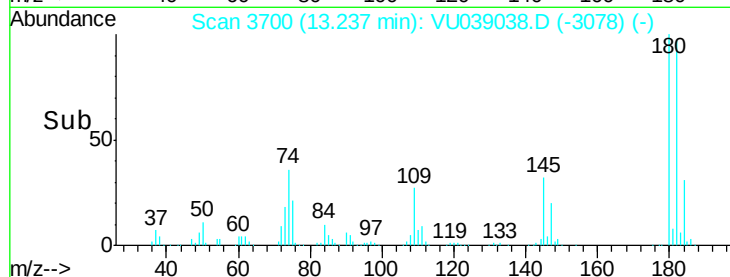
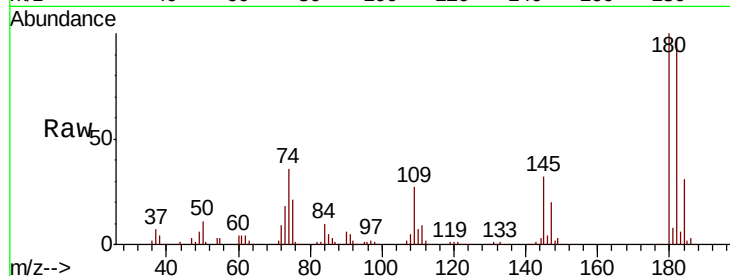




#67
 1,3,5-Trichlorobenzene
 Concen: 9.706 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

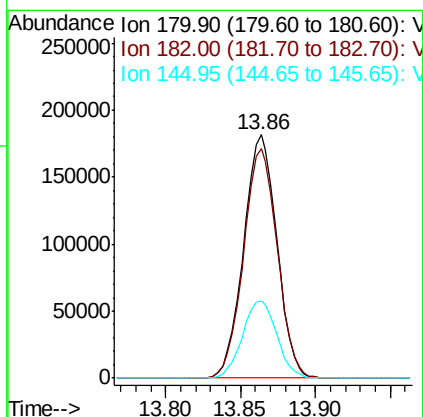
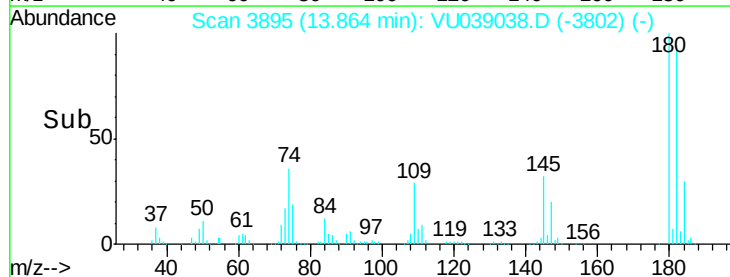
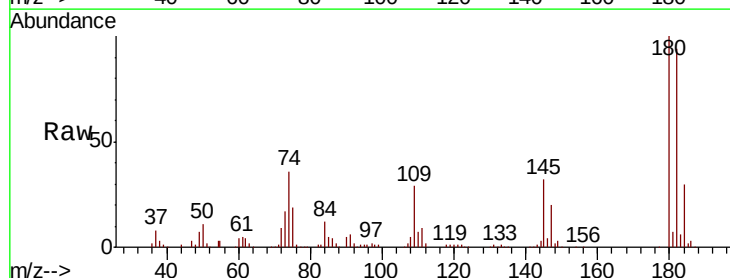
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

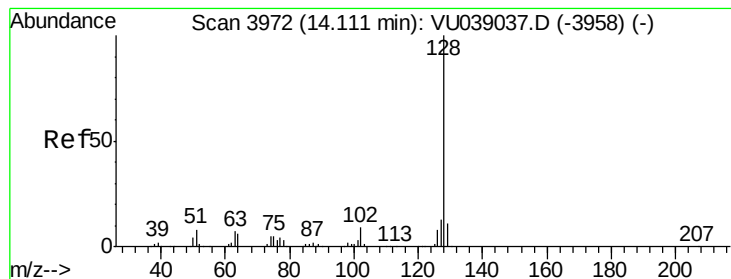
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
184	30.5	24.2	36.4
145	31.3	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 9.872 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU039038.D
 Acq: 23 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
145	32.6	25.4	38.2





#69

Naphthalene

Concen: 10.537 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

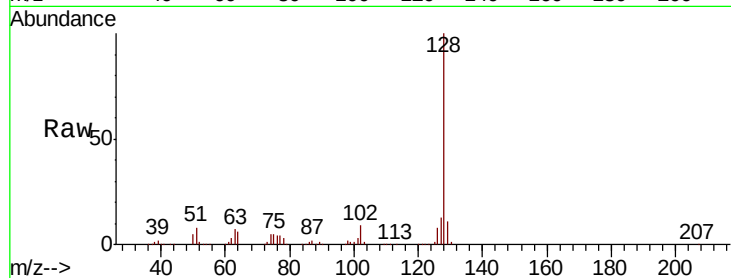
Tot Ion:128 Resp: 640299

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

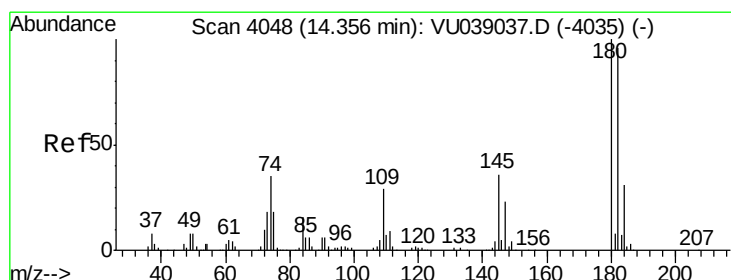
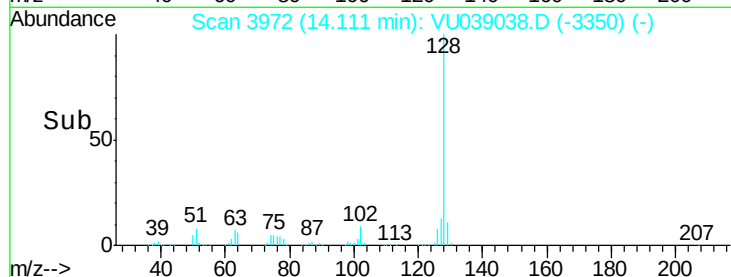
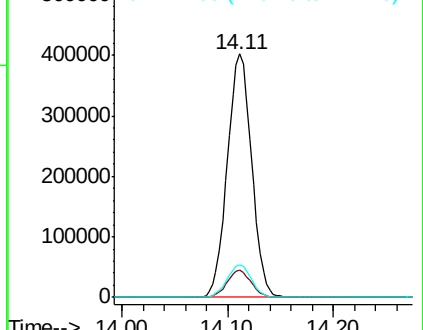
127 13.3 10.8 16.2



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: 9.947 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU039038.D

Acq: 23 Jun 2020 14:05

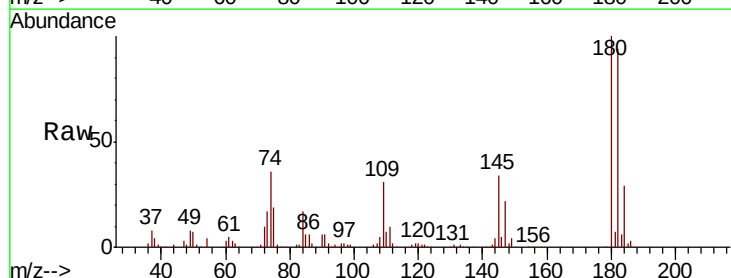
Tgt Ion:180 Resp: 273475

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 34.2 27.6 41.4



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

