

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112119\
 Data File : VU035796.D
 Acq On : 21 Nov 2019 11:05
 Operator : JC/SP
 Sample : VSTD01006
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Quant Time: Nov 21 17:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 17:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	265269	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	294419	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	168133	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	340582	11.81	ug/L	0.00
7) Chloroethane-d5	1.93	69	292177	12.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	627308	12.62	ug/L	0.00
20) 2-Butanone-d5	4.70	46	850089	132.36	ug/L	0.00
24) Chloroform-d	5.11	84	585076	12.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	322384	13.01	ug/L	0.00
32) Benzene-d6	5.77	84	1155168	11.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	380378	11.98	ug/L	0.00
41) Toluene-d8	7.93	98	1107494	12.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	154001	12.26	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	695072	141.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	318802	12.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	355870	10.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	348367	11.640 ug/L	99
3) Chloromethane	1.53	50	410166	11.631 ug/L	100
5) Vinyl chloride	1.62	62	420957	11.731 ug/L	99
6) Bromomethane	1.87	94	216287	10.833 ug/L	95
8) Chloroethane	1.95	64	246711	11.947 ug/L	98
9) Trichlorofluoromethane	2.16	101	491216	11.317 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	277972	10.964 ug/L	98
12) 1,1-Dichloroethene	2.61	96	262138	10.821 ug/L	97
13) Acetone	2.67	43	614112	126.999 ug/L	98
14) Carbon disulfide	2.82	76	866653	10.999 ug/L	100
15) Methyl Acetate	2.99	43	139310	12.737 ug/L	96
16) Methylene chloride	3.08	84	299105	10.409 ug/L	97
17) Methyl tert-butyl Ether	3.42	73	663274	11.589 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	265391	10.733 ug/L	99
19) 1,1-Dichloroethane	3.92	63	581321	12.121 ug/L	100
21) 2-Butanone	4.77	43	905414	130.574 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	302886	11.087 ug/L	97
23) Bromochloromethane	5.02	128	128425	10.031 ug/L	96
25) Chloroform	5.14	83	568792	11.053 ug/L	100
27) 1,2-Dichloroethane	5.84	62	377298	12.834 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	461761	11.436 ug/L	99
30) Cyclohexane	5.43	56	487014	12.060 ug/L	99
31) Carbon tetrachloride	5.57	117	401105	11.131 ug/L	99
33) Benzene	5.82	78	1233605	11.403 ug/L	100
34) Trichloroethene	6.58	95	293226	10.743 ug/L	97
35) Methylcyclohexane	6.80	83	468383	11.443 ug/L	96
37) 1,2-Dichloropropane	6.83	63	340673	11.797 ug/L	99
38) Bromodichloromethane	7.14	83	405795	11.639 ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	465814	11.517 ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	2229696	132.201 ug/L	100

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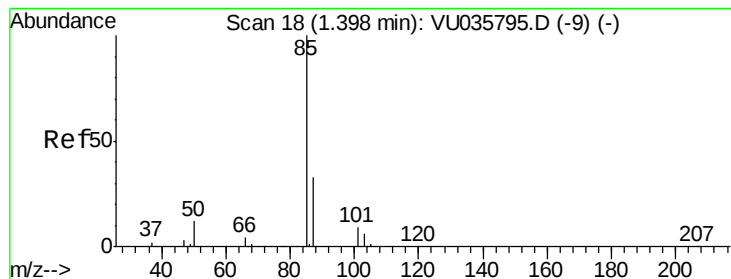
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	8.00	91	1312529	11.582	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	388429	11.938	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	221317	10.937	ug/L	98
47) Tetrachloroethene	8.58	164	226628	9.862	ug/L	97
48) 2-Hexanone	8.73	43	1578684	130.227	ug/L	93
49) Dibromochloromethane	8.84	129	267642	10.822	ug/L	97
50) 1,2-Dibromoethane	8.96	107	206917	10.841	ug/L	96
51) Chlorobenzene	9.48	112	765731	10.540	ug/L	99
52) Ethylbenzene	9.60	91	1383999	11.719	ug/L	99
53) m,p-Xylene	9.72	106	522710	11.827	ug/L	97
54) o-Xylene	10.13	106	492988	11.572	ug/L	93
55) Styrene	10.14	104	855578	12.038	ug/L	99
56) Isopropylbenzene	10.51	105	1316610	11.653	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	303127	11.384	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	219765	11.571	ug/L	100
61) Bromoform	10.32	173	148515	9.668	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	578381	10.108	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	570636	10.343	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	553401	10.344	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	40940	11.508	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	364935	10.037	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	214724	9.827	ug/L	99
69) Naphthalene	14.11	128	299744	11.029	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	211457	10.023	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.640 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

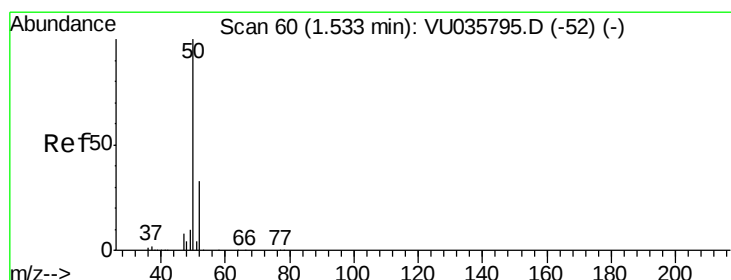
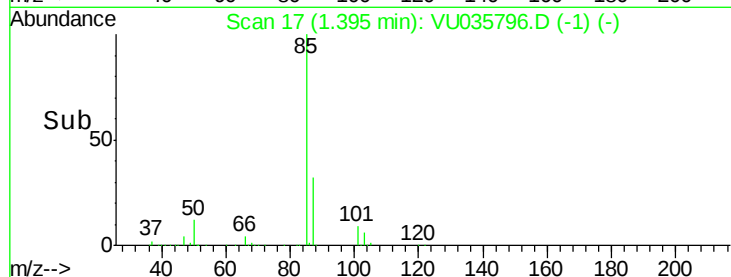
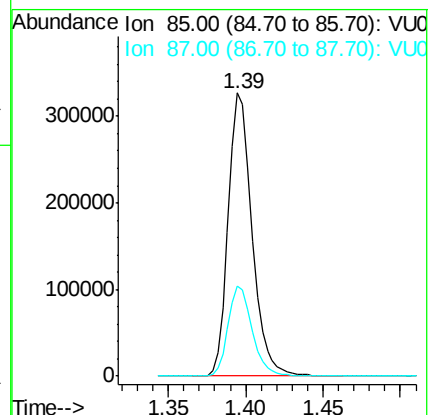
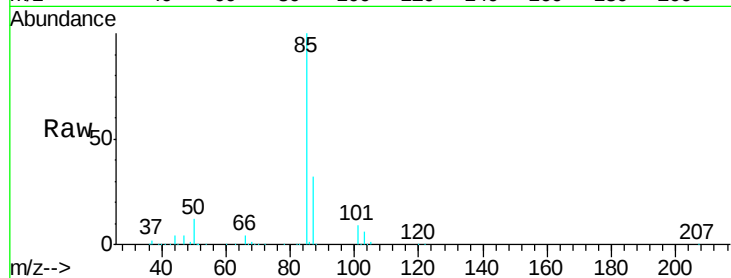
VSTD01006

Tgt Ion: 85 Resp: 348367

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.2



#3

Chloromethane

Concen: 11.631 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU035796.D

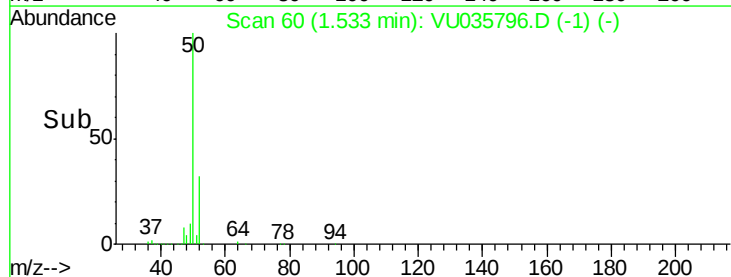
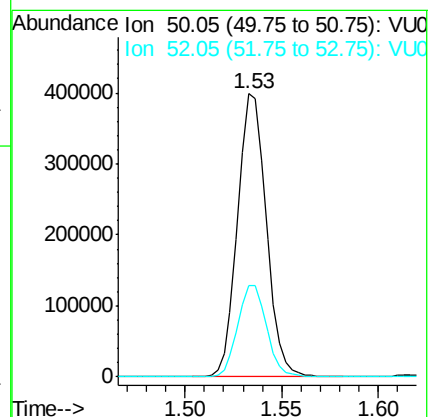
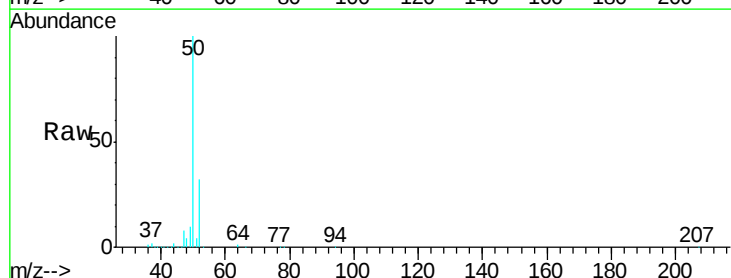
Acq: 21 Nov 2019 11:05

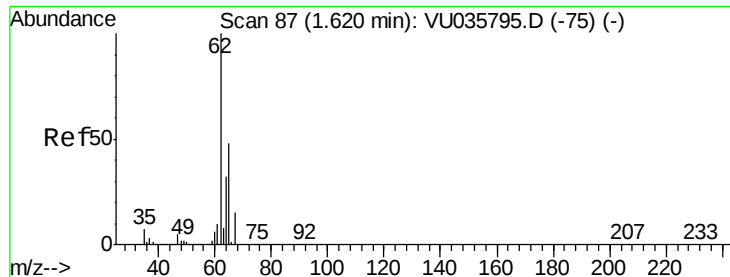
Tgt Ion: 50 Resp: 410166

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.3





#5

Vinyl chloride

Concen: 11.731 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

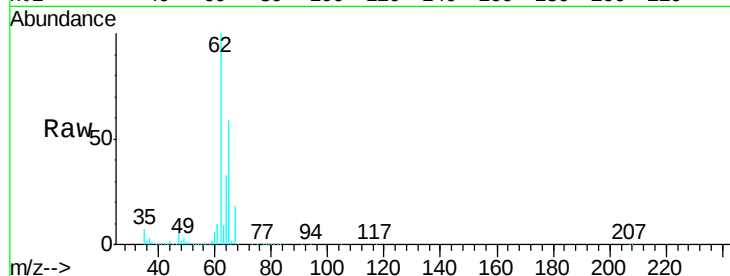
VSTD01006

Tgt Ion: 62 Resp: 420957

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035795.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU035795.D (-75) (-)

1.62

400000

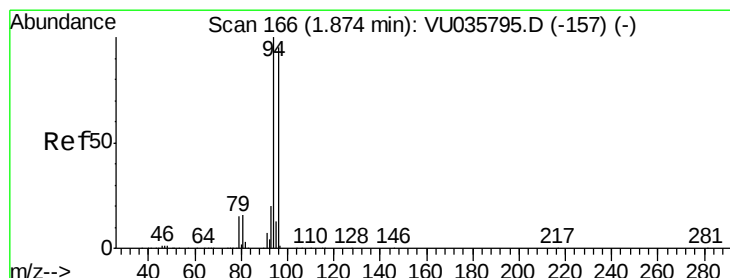
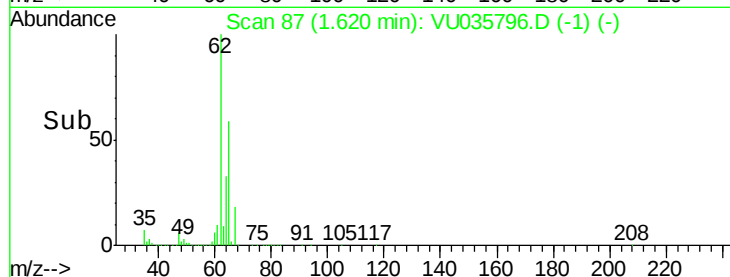
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.833 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU035796.D

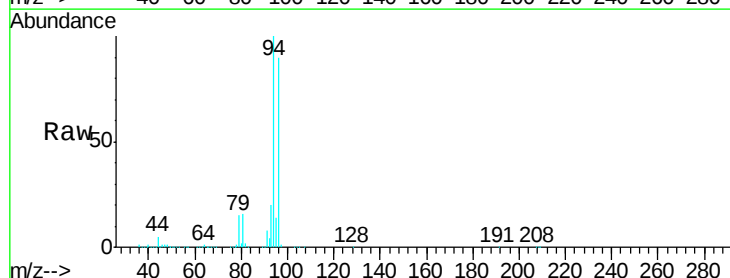
Acq: 21 Nov 2019 11:05

Tgt Ion: 94 Resp: 216287

Ion Ratio Lower Upper

94 100

96 89.8 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035795.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU035795.D (-157) (-)

1.87

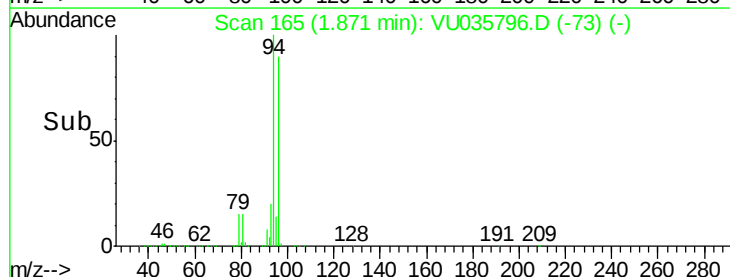
150000

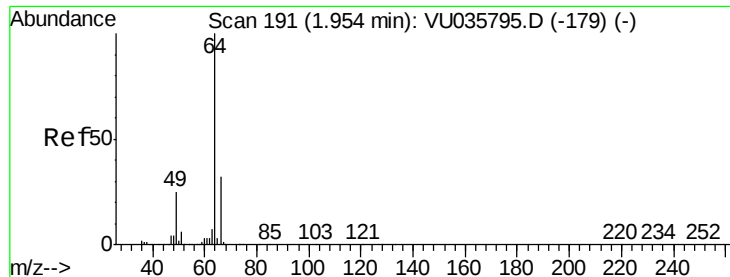
100000

50000

0

Time-->





#8

Chloroethane

Concen: 11.947 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

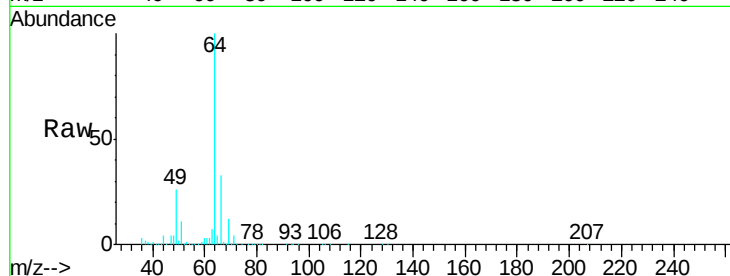
VSTD01006

Tgt Ion: 64 Resp: 246711

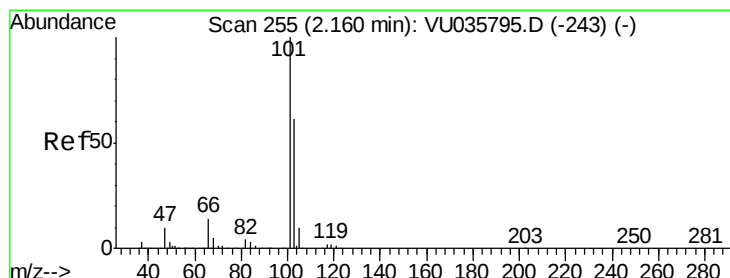
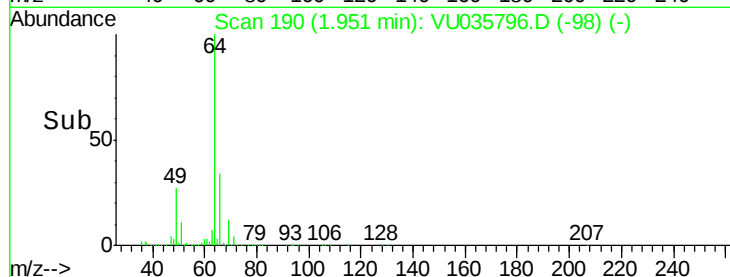
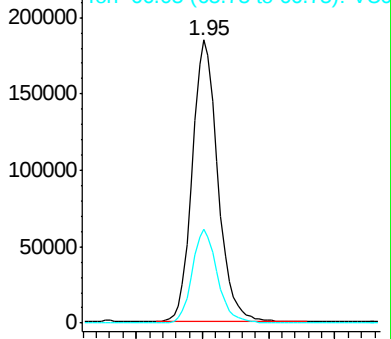
Ion Ratio Lower Upper

64 100

66 33.0 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035796.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 11.317 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035796.D

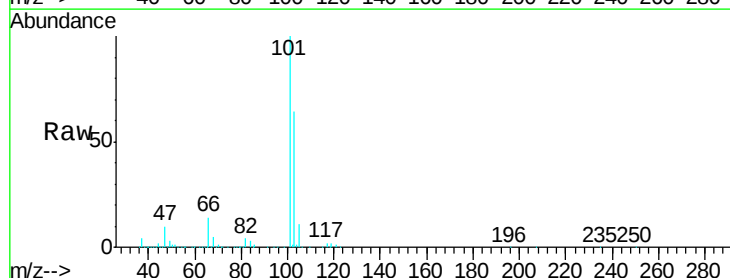
Acq: 21 Nov 2019 11:05

Tgt Ion: 101 Resp: 491216

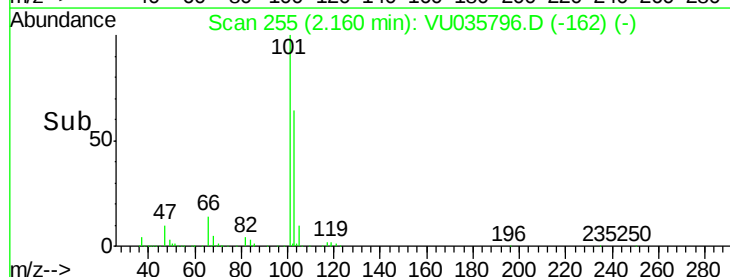
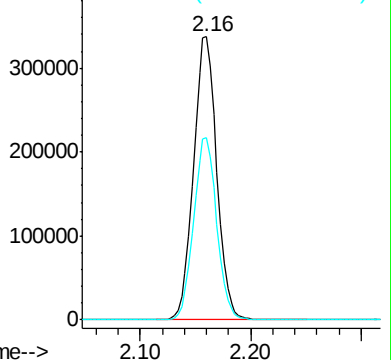
Ion Ratio Lower Upper

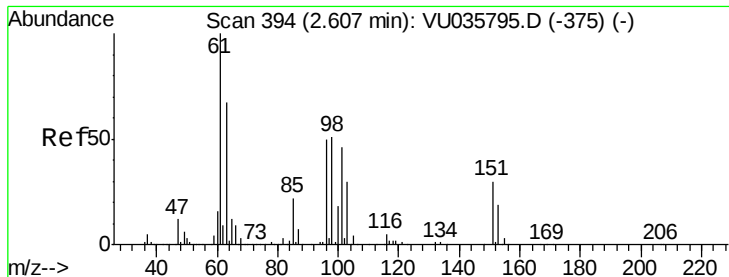
101 100

103 64.1 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035796.D (-243) (-)





#10

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

Concen: 10.964 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

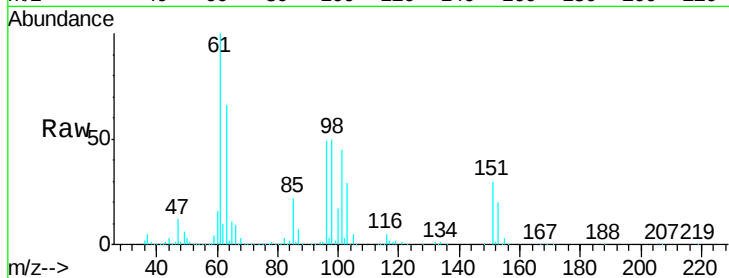
Tgt Ion: 101 Resp: 277972

Ion Ratio Lower Upper

101 100

85 47.3 38.1 57.1

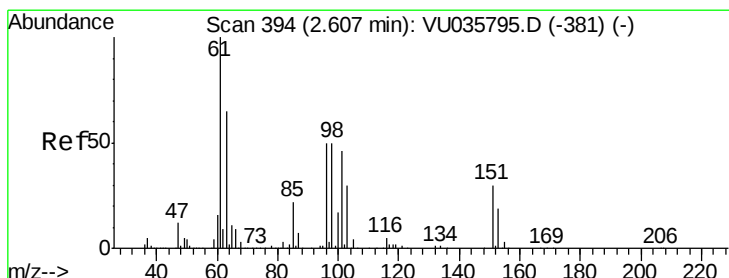
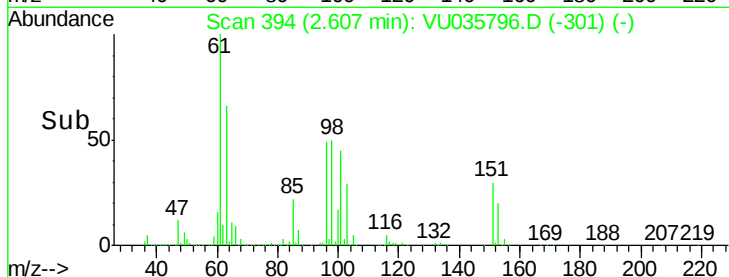
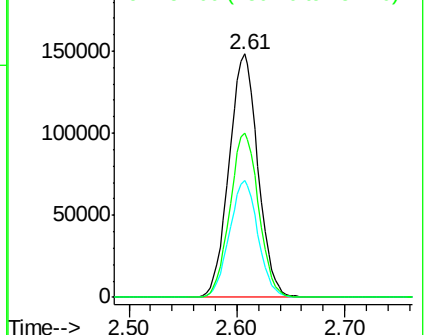
151 67.0 52.0 78.0



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: 10.821 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

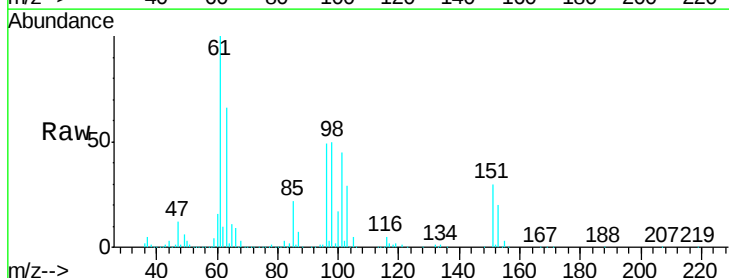
Tgt Ion: 96 Resp: 262138

Ion Ratio Lower Upper

96 100

61 204.7 139.3 258.7

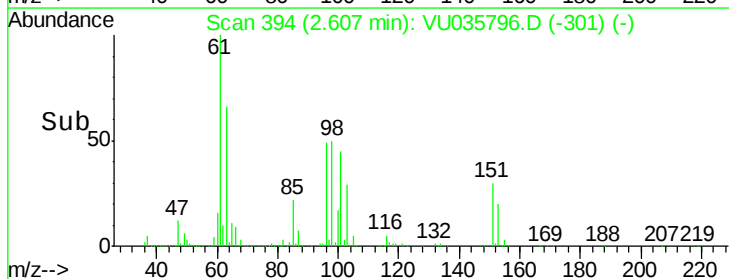
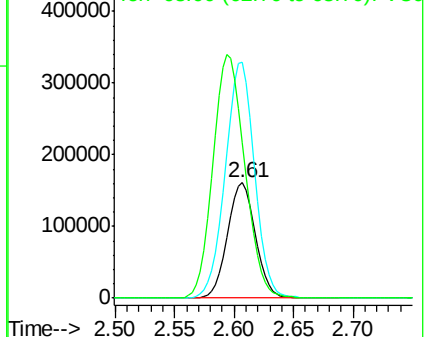
63 134.8 93.7 174.1

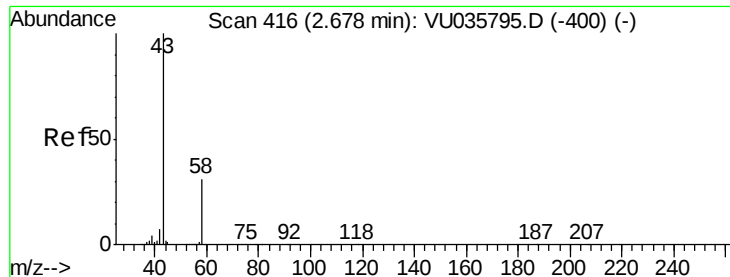


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 126.999 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

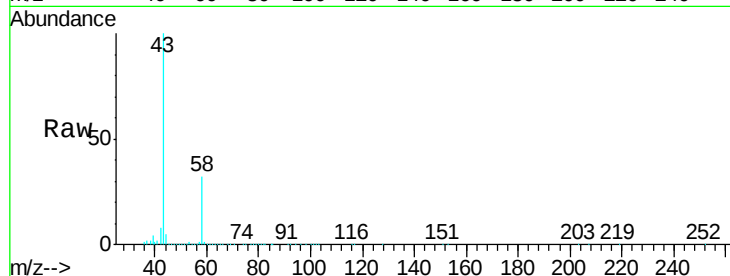
VSTD01006

Tgt Ion: 43 Resp: 614112

Ion Ratio Lower Upper

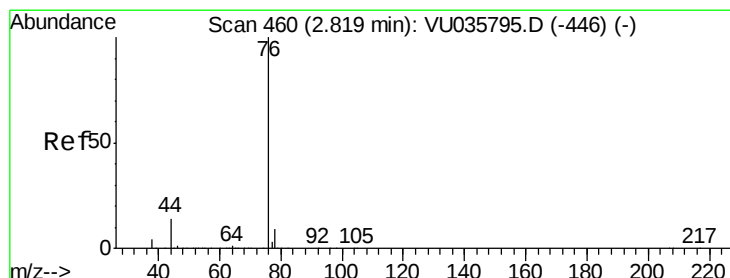
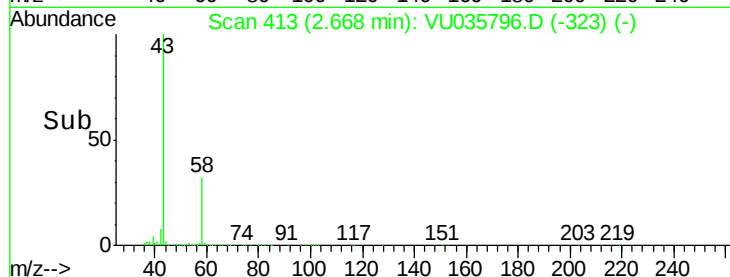
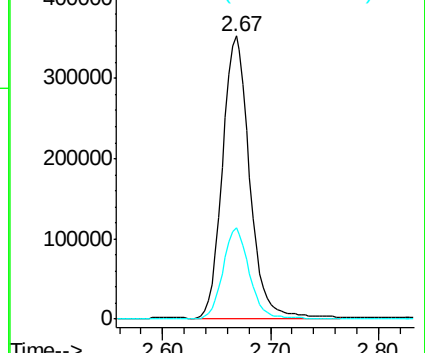
43 100

58 31.6 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035796.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035796.D (-323) (-)



#14

Carbon disulfide

Concen: 10.999 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035796.D

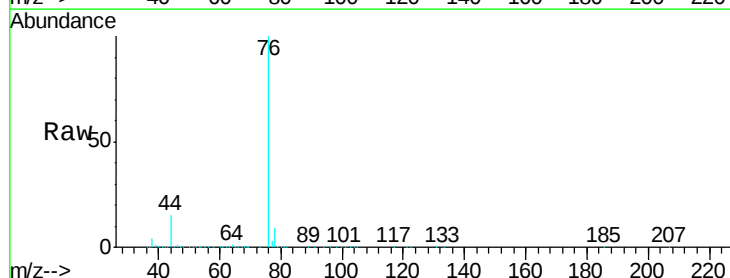
Acq: 21 Nov 2019 11:05

Tgt Ion: 76 Resp: 866653

Ion Ratio Lower Upper

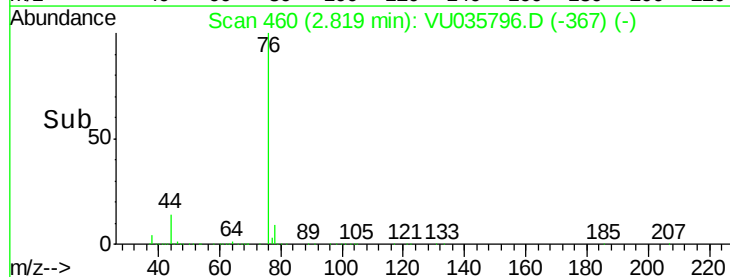
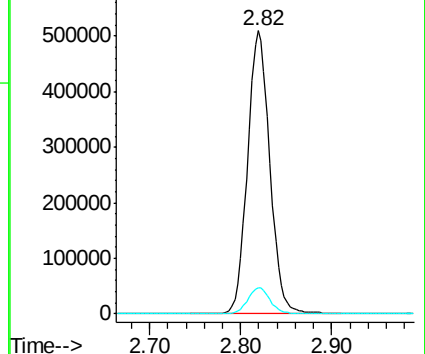
76 100

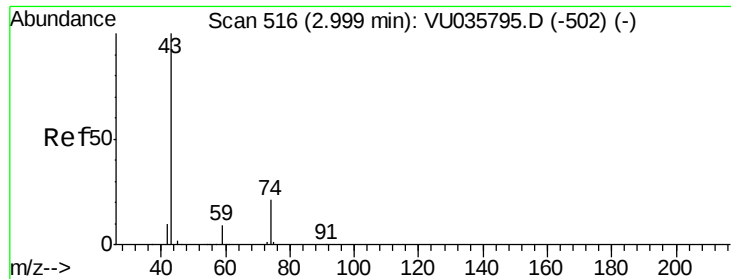
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035796.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU035796.D (-367) (-)

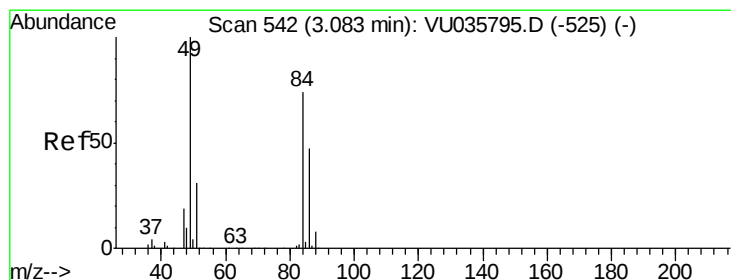
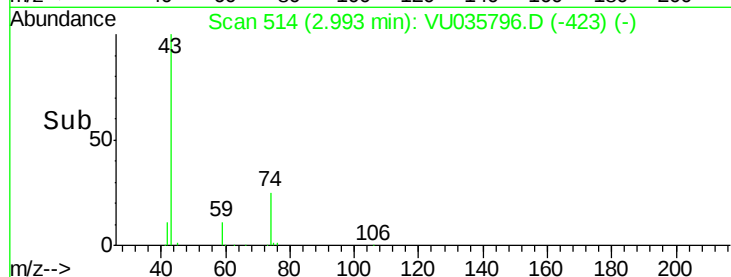
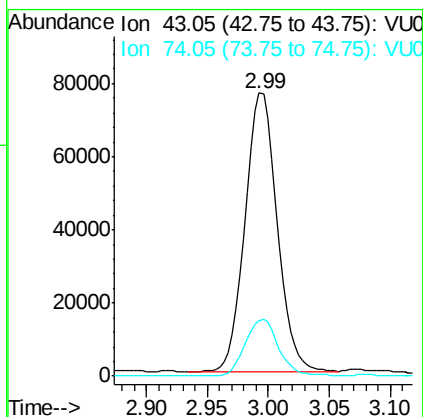
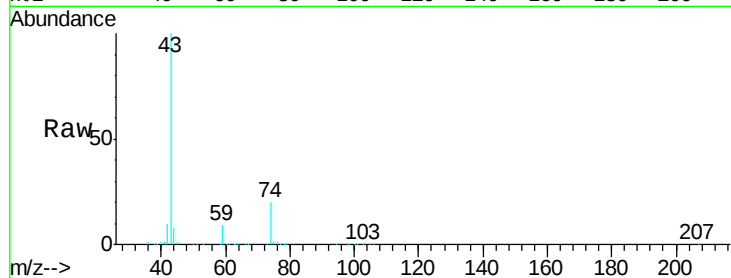




#15
Methyl Acetate
Concen: 12.737 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

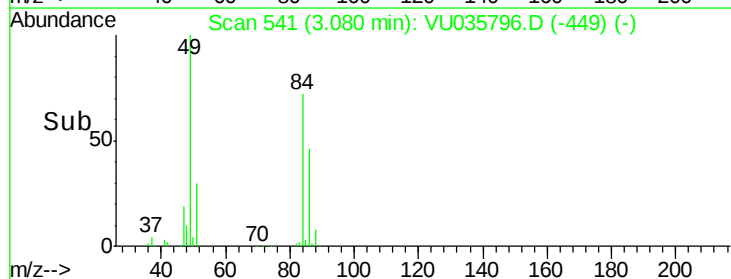
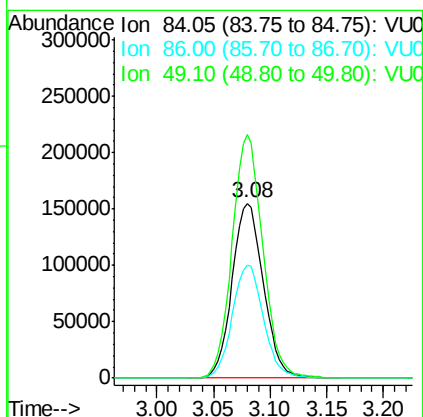
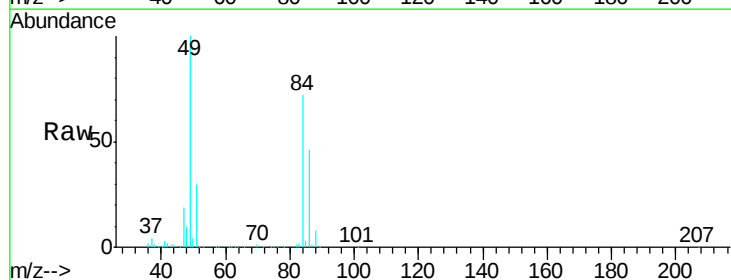
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

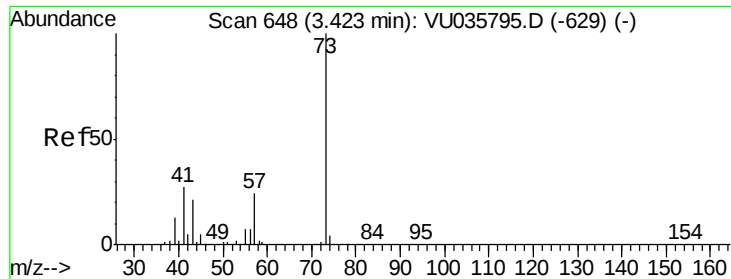
Tgt Ion: 43 Resp: 139310
Ion Ratio Lower Upper
43 100
74 21.1 18.2 27.4



#16
Methylene chloride
Concen: 10.409 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Tgt Ion: 84 Resp: 299105
Ion Ratio Lower Upper
84 100
86 64.4 44.4 82.5
49 139.2 94.0 174.6

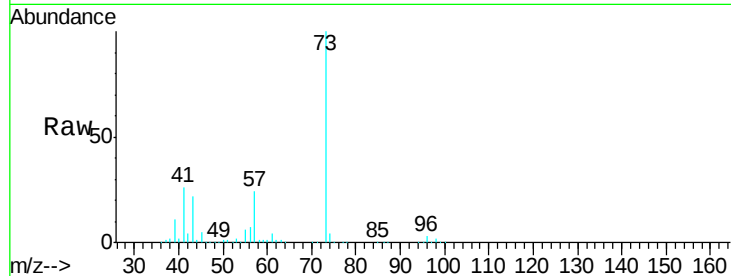




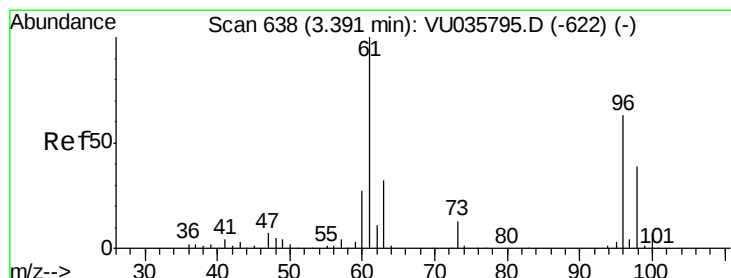
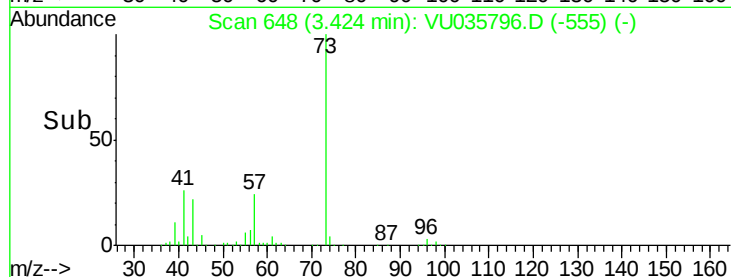
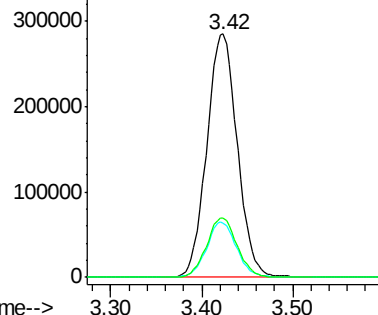
#17
Methyl tert-butyl Ether
Concen: 11.589 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion: 73 Resp: 663274
Ion Ratio Lower Upper
73 100
43 21.9 17.4 26.2
57 24.2 19.4 29.0

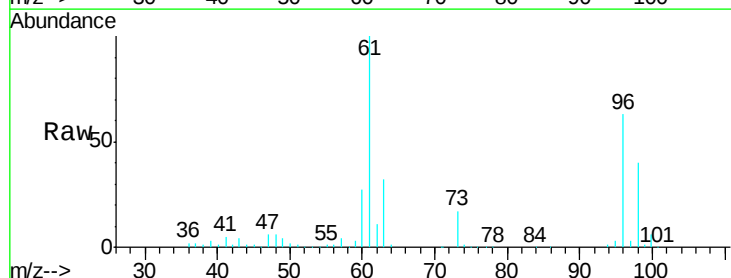


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

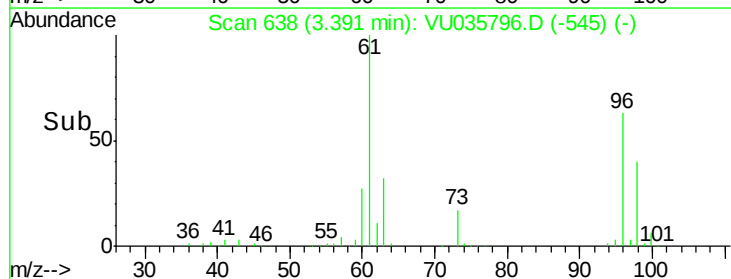
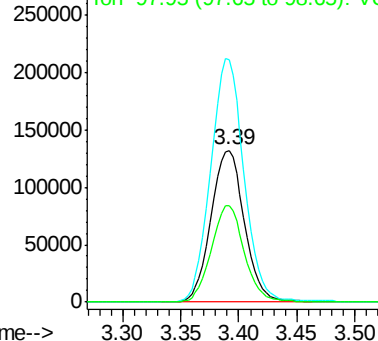


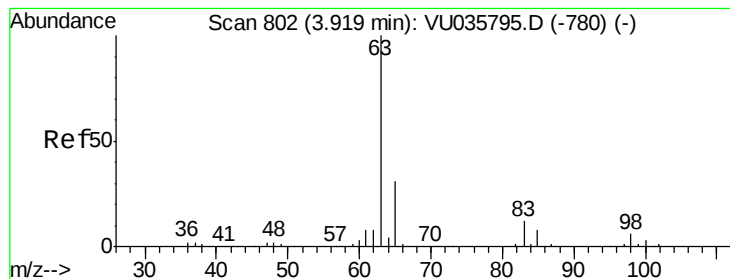
#18
trans-1,2-Dichloroethene
Concen: 10.733 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Tgt Ion: 96 Resp: 265391
Ion Ratio Lower Upper
96 100
61 159.2 111.1 206.3
98 63.8 43.1 80.1



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: 12.121 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

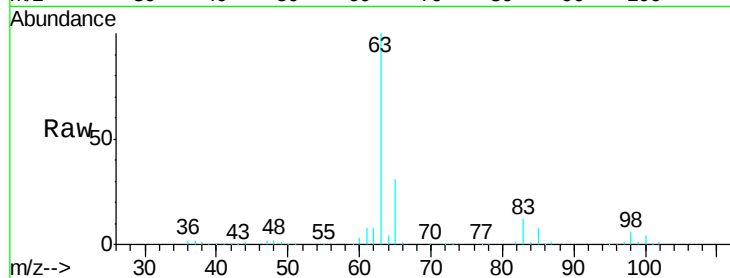
Tgt Ion: 63 Resp: 581321

Ion Ratio Lower Upper

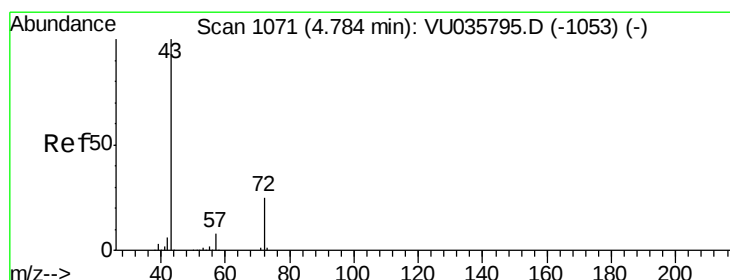
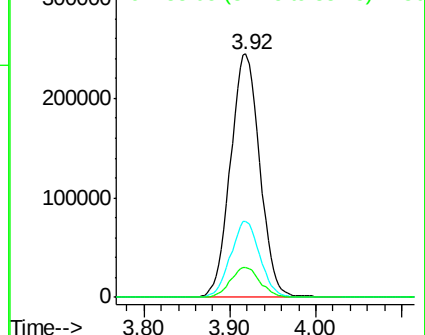
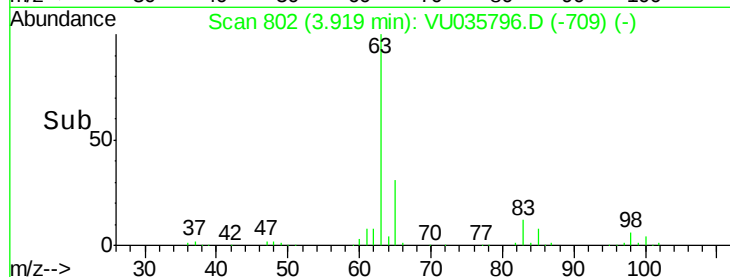
63 100

65 31.4 21.8 40.4

83 12.4 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035796.D (-709) (-)



#21

2-Butanone

Concen: 130.574 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VU035796.D

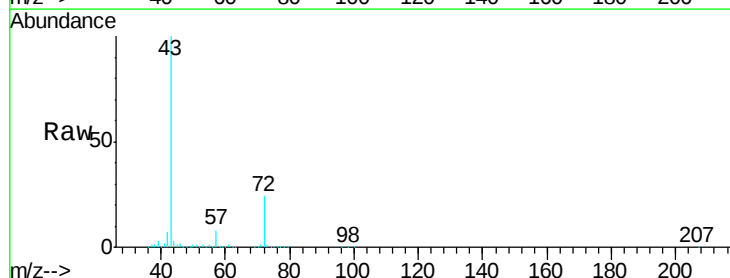
Acq: 21 Nov 2019 11:05

Tgt Ion: 43 Resp: 905414

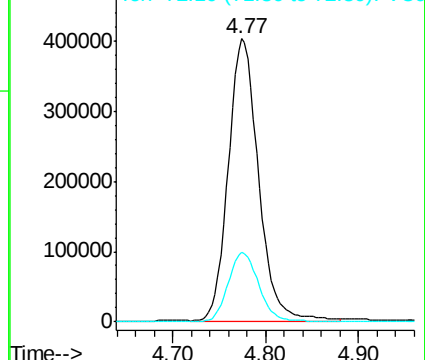
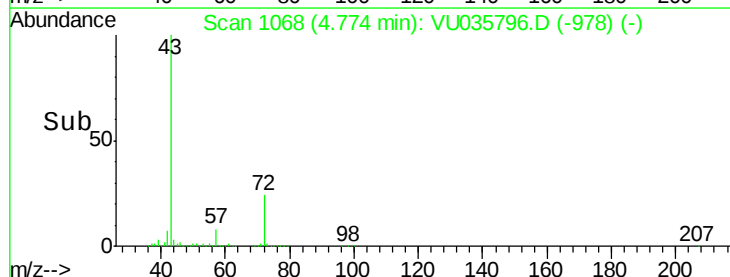
Ion Ratio Lower Upper

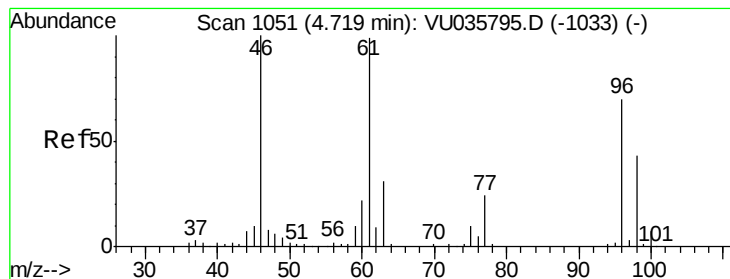
43 100

72 24.2 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035796.D (-978) (-)





#22

cis-1,2-Dichloroethene

Concen: 11.087 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

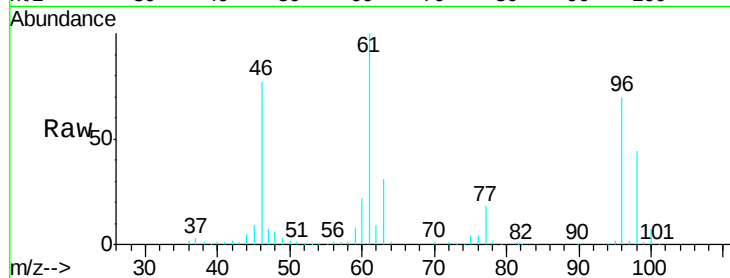
Tgt Ion: 96 Resp: 302886

Ion Ratio Lower Upper

96 100

61 143.4 98.1 182.1

68 0.0 0.0 0.0

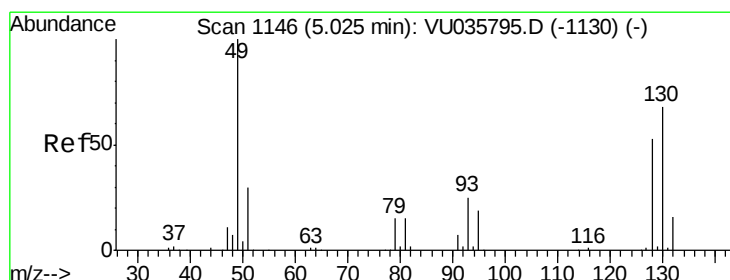
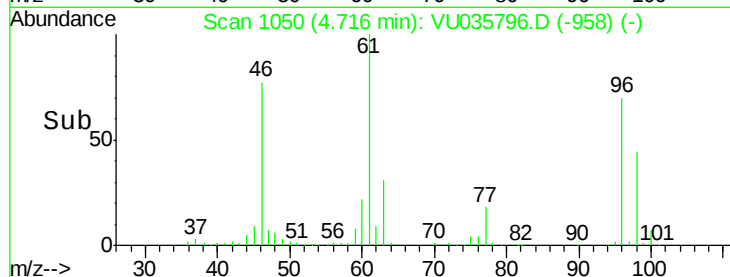
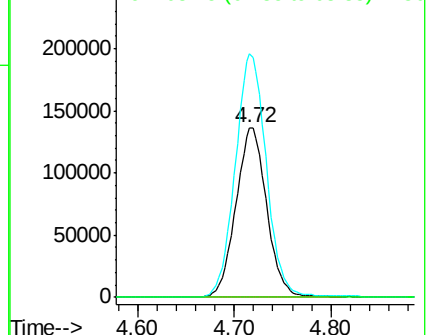


Abundance

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: 10.031 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Tgt Ion: 128 Resp: 128425

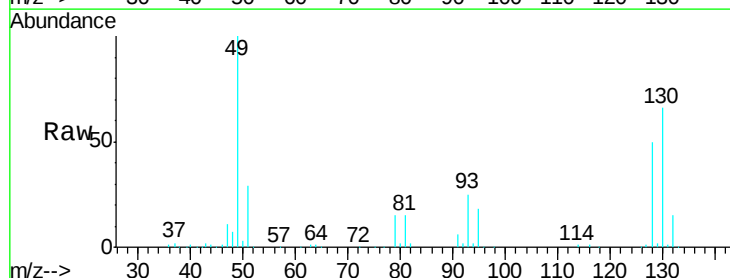
Ion Ratio Lower Upper

128 100

49 200.5 133.8 248.6

130 132.5 91.1 169.1

51 59.0 46.5 69.7



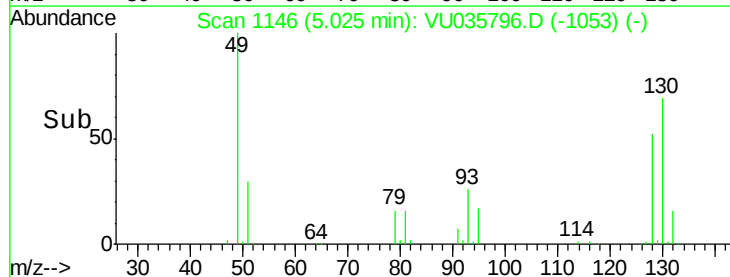
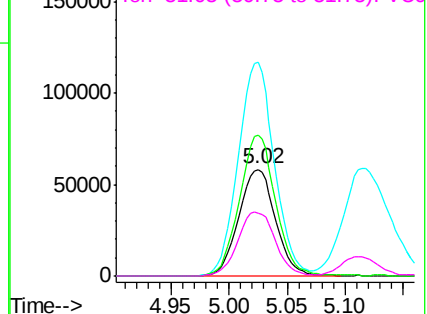
Abundance

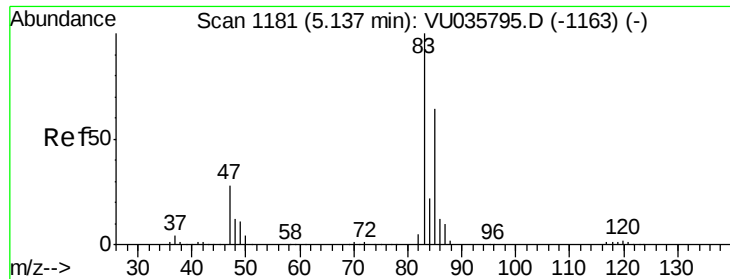
Ion 127.90 (127.60 to 128.60): V

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

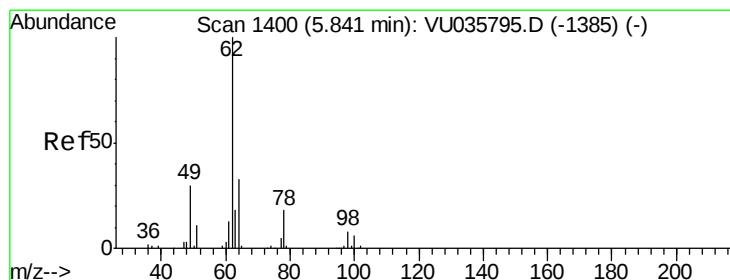
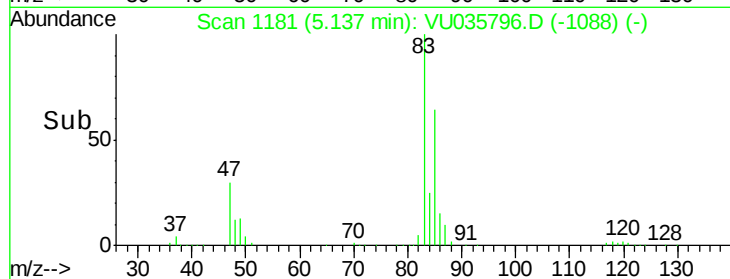
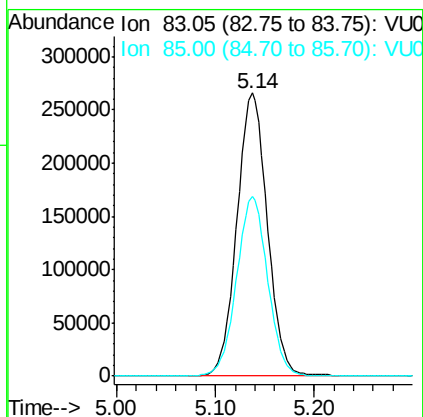
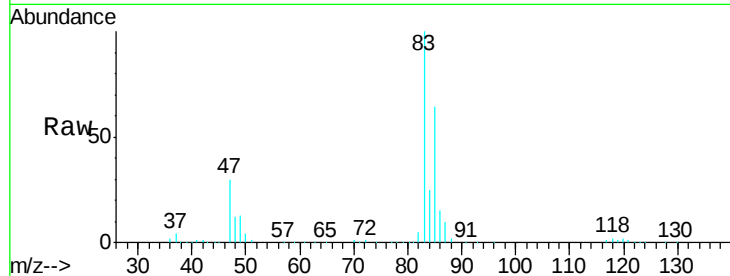




#25
Chloroform
Concen: 11.053 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

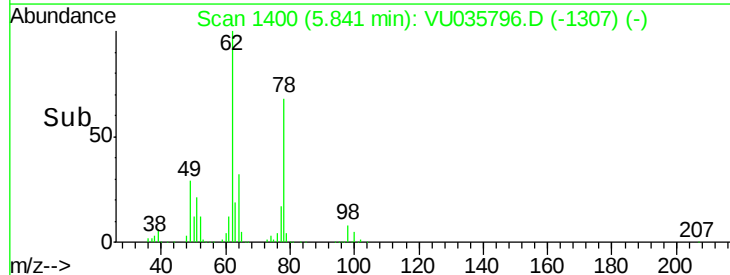
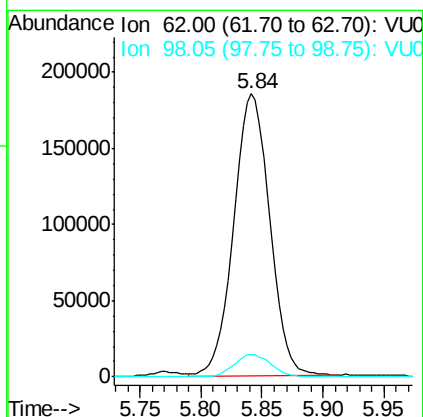
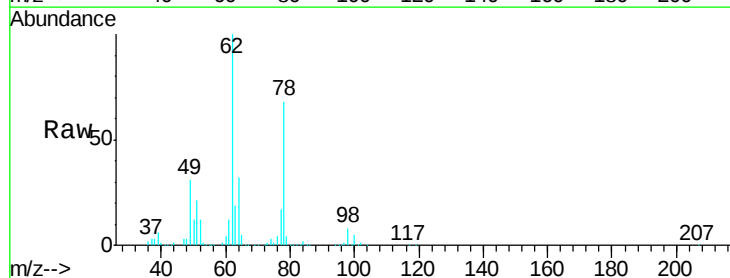
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

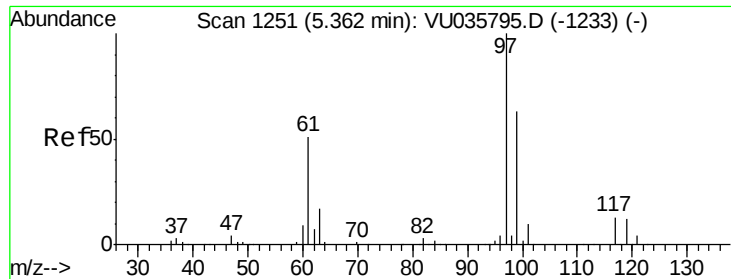
Tgt Ion: 83 Resp: 568792
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 12.834 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Tgt Ion: 62 Resp: 377298
Ion Ratio Lower Upper
62 100
98 8.1 6.2 9.4

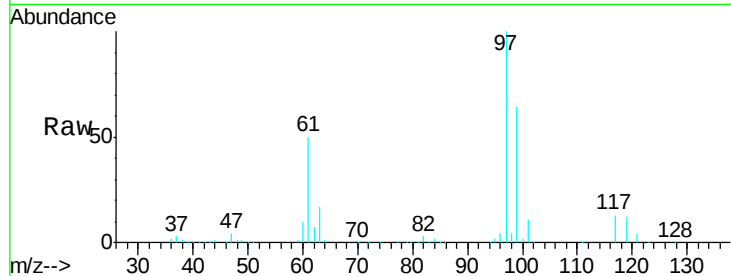




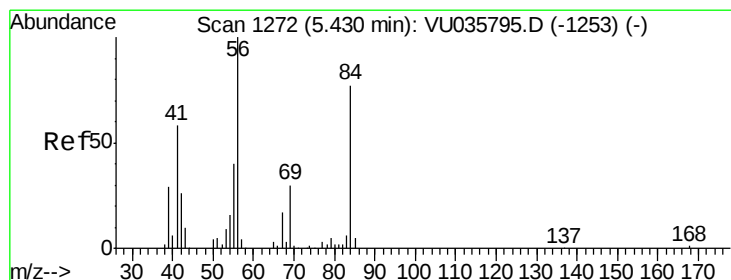
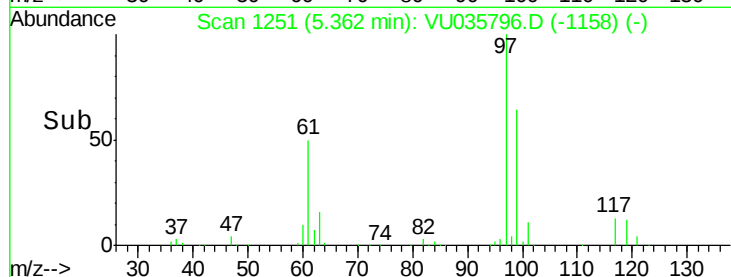
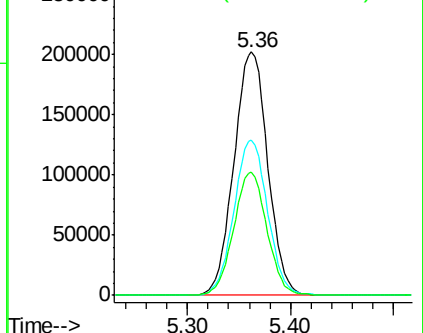
#29
 1,1,1-Trichloroethane
 Concen: 11.436 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035796.D
 Acq: 21 Nov 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion: 97 Resp: 461761
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.9 77.9
 61 49.8 40.3 60.5

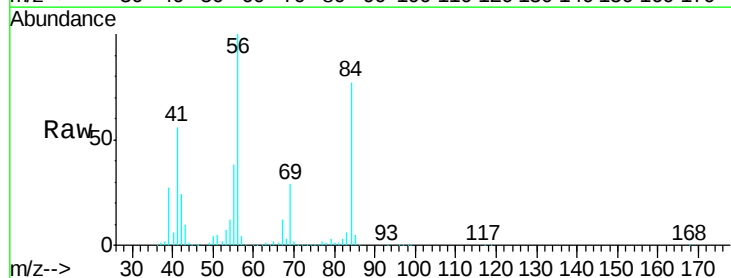


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

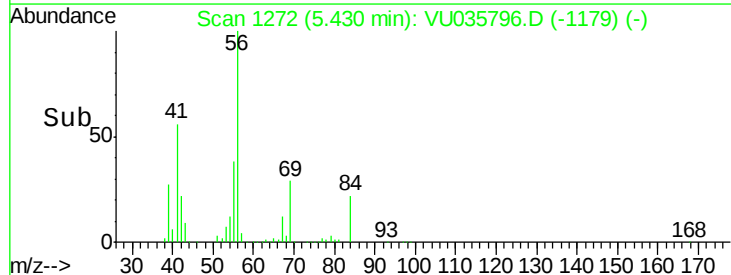
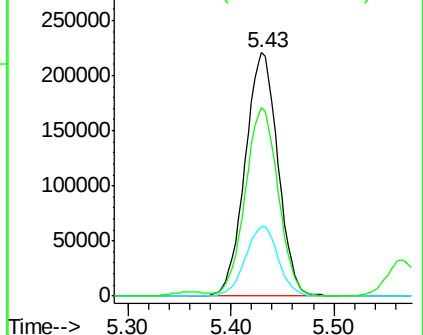


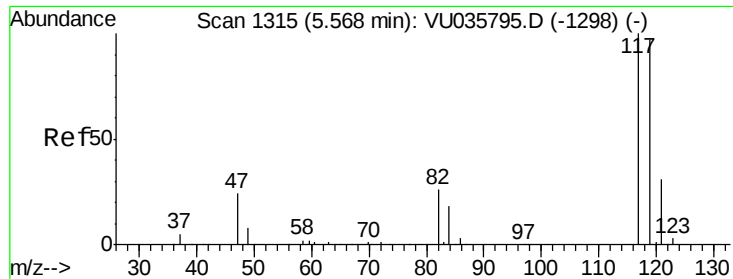
#30
 Cyclohexane
 Concen: 12.060 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035796.D
 Acq: 21 Nov 2019 11:05

Tgt Ion: 56 Resp: 487014
 Ion Ratio Lower Upper
 56 100
 69 28.6 24.0 36.0
 84 77.4 62.1 93.1



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





#31

Carbon tetrachloride

Concen: 11.131 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

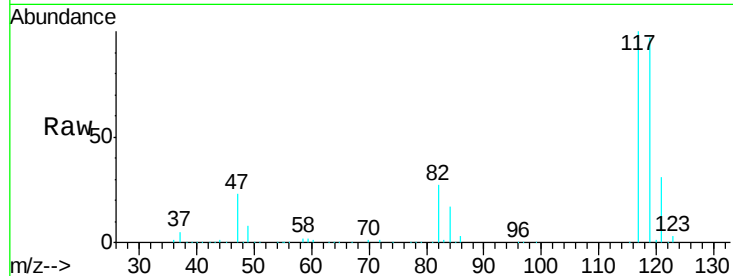
VSTD01006

Tgt Ion:117 Resp: 401105

Ion Ratio Lower Upper

117 100

119 96.1 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

200000

150000

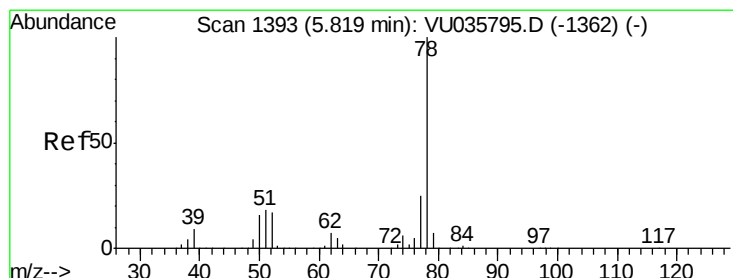
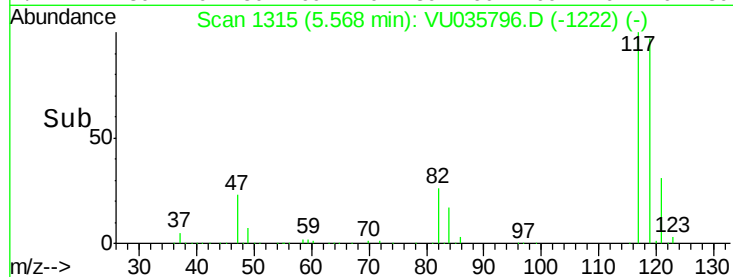
100000

50000

0

Time-->

5.50 5.60 5.70



#33

Benzene

Concen: 11.403 ug/L

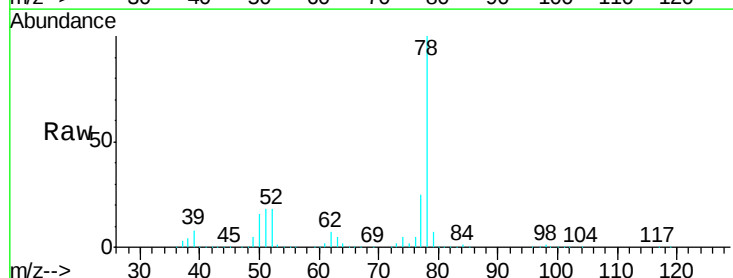
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Tgt Ion: 78 Resp: 1233605



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

600000

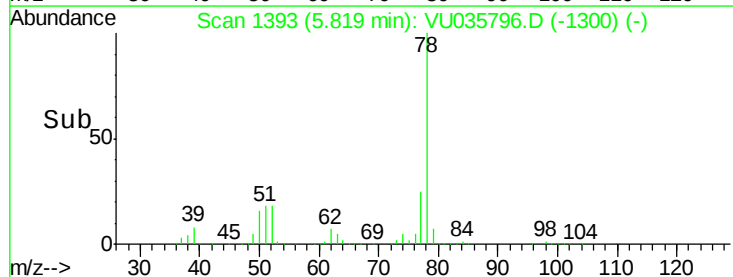
400000

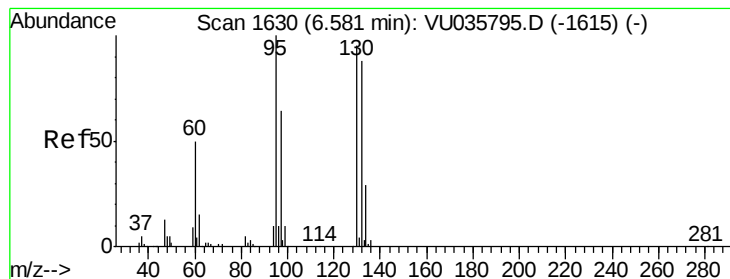
200000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 10.743 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

Tgt Ion: 95 Resp: 293226

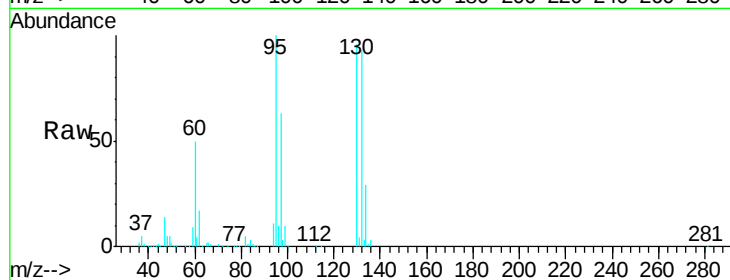
Ion Ratio Lower Upper

95 100

97 63.3 45.1 83.9

132 93.0 61.9 114.9

130 96.1 66.3 123.1

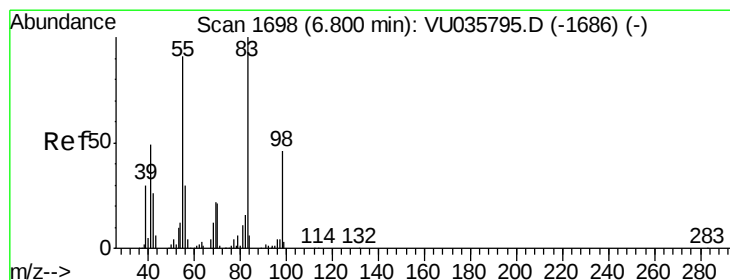
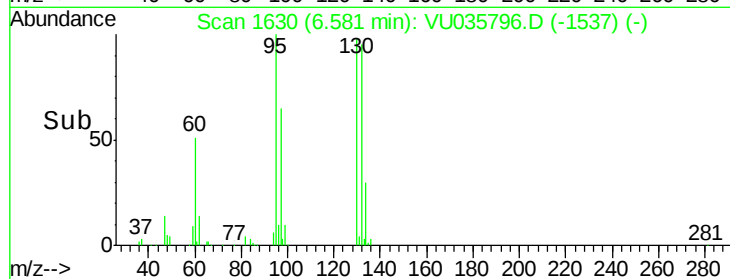
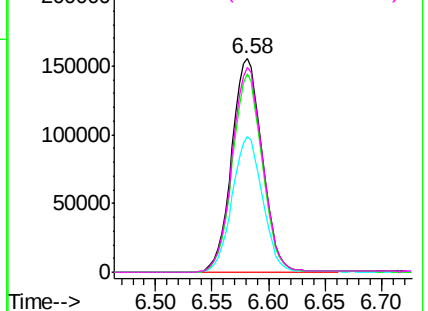


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 11.443 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

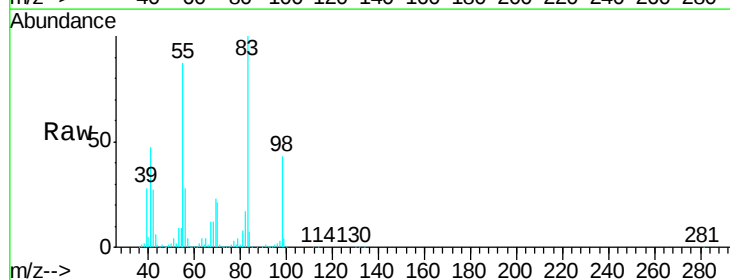
Tgt Ion: 83 Resp: 468383

Ion Ratio Lower Upper

83 100

55 86.9 72.7 109.1

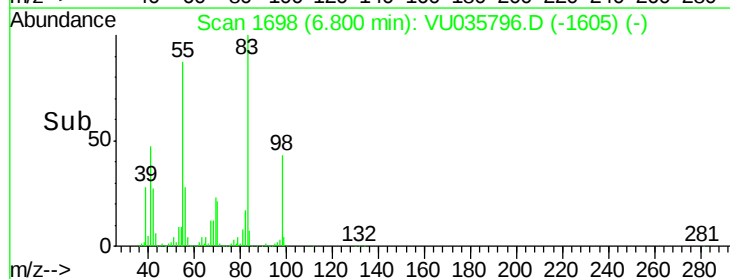
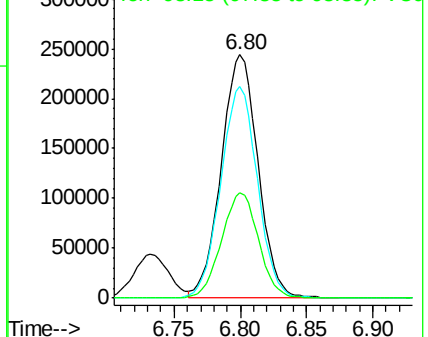
98 43.9 36.2 54.4

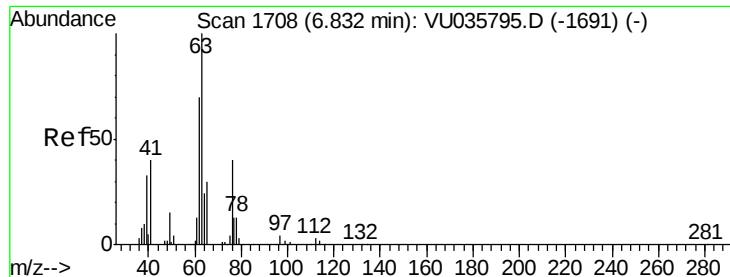


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 11.797 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

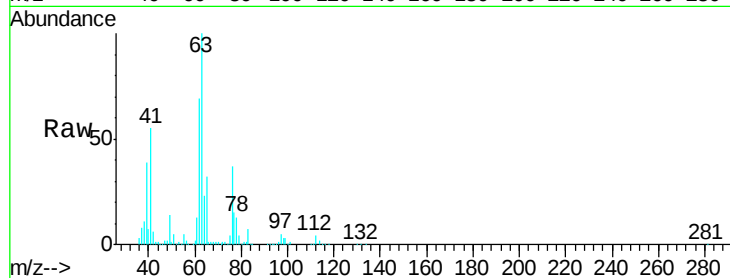
VSTD01006

Tgt Ion: 63 Resp: 340673

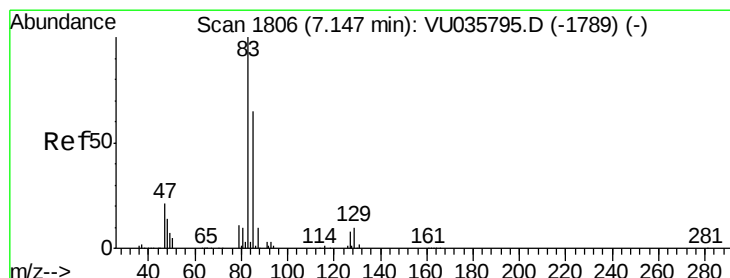
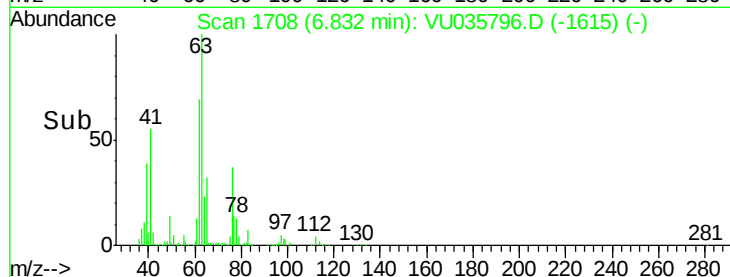
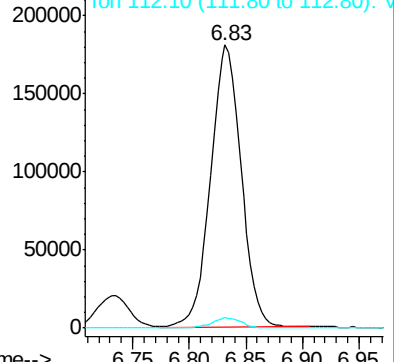
Ion Ratio Lower Upper

63 100

112 3.7 2.7 4.1



Abundance Ion 63.10 (62.80 to 63.80): VU035796.D (-1691) (-)



#38

Bromodichloromethane

Concen: 11.639 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

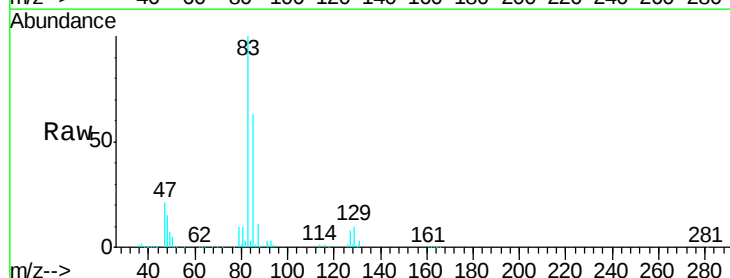
Tgt Ion: 83 Resp: 405795

Ion Ratio Lower Upper

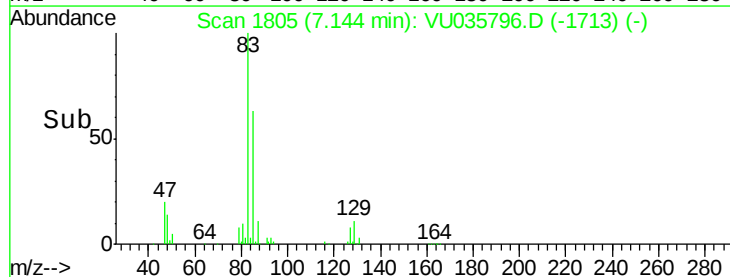
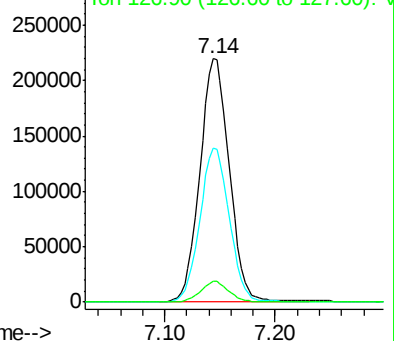
83 100

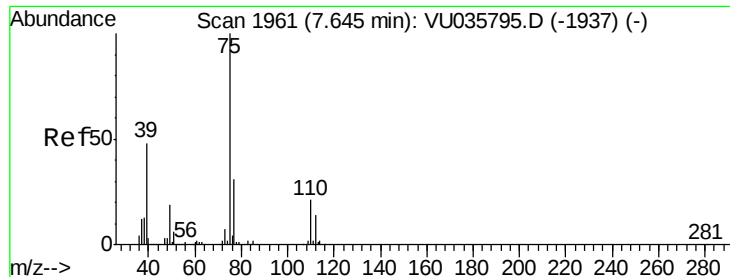
85 63.0 45.6 84.8

127 8.4 6.0 9.0



Abundance Ion 82.95 (82.65 to 83.65): VU035796.D (-1789) (-)





#39

cis-1,3-Dichloropropene

Concen: 11.517 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

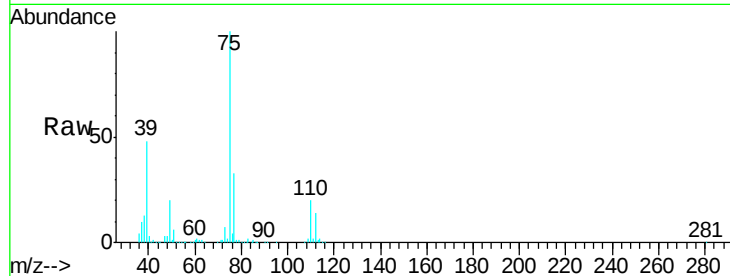
VSTD01006

Tgt Ion: 75 Resp: 465814

Ion Ratio Lower Upper

75 100

77 32.7 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU035795.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU035795.D (-1937) (-)

7.65

250000

200000

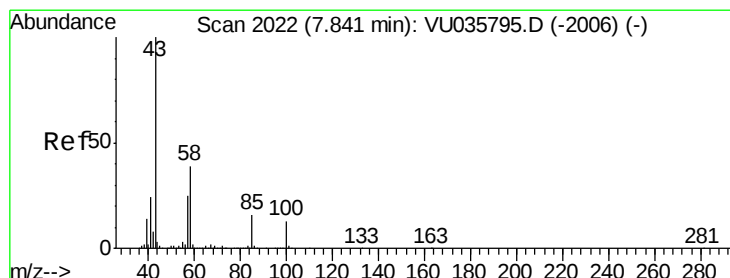
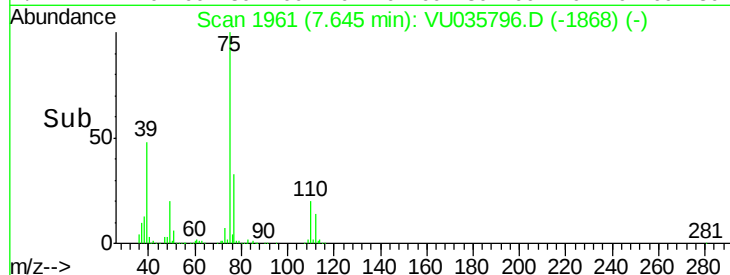
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#40

4-Methyl-2-pentanone

Concen: 132.201 ug/L

RT: 7.84 min Scan# 2021

Delta R.T. -0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

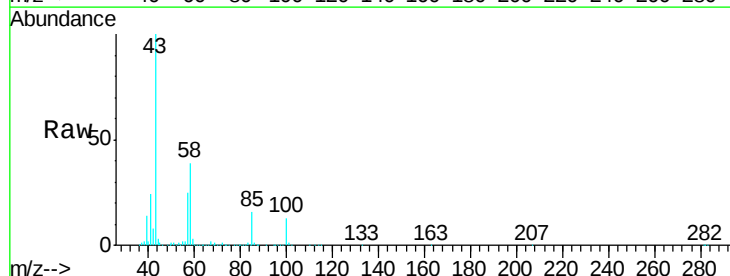
Tgt Ion: 43 Resp: 2229696

Ion Ratio Lower Upper

43 100

58 38.3 30.8 46.2

100 12.6 10.0 15.0



Abundance Ion 43.05 (42.75 to 43.75): VU035795.D (-2006) (-)

Ion 58.05 (57.75 to 58.75): VU035795.D (-2006) (-)

Ion 100.15 (99.85 to 100.85): VU035795.D (-2006) (-)

7.84

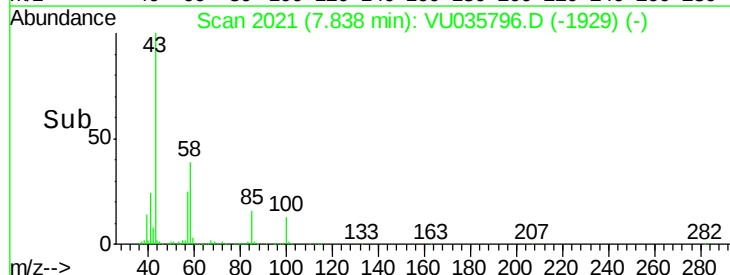
1500000

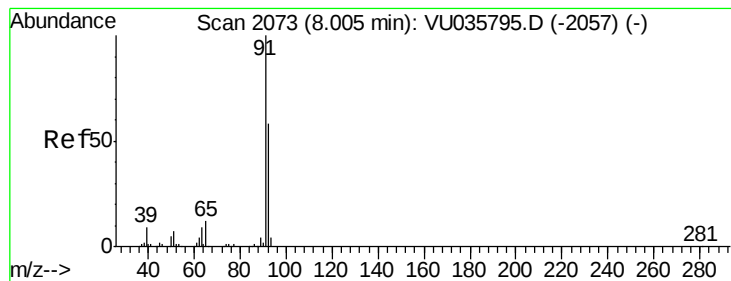
1000000

500000

0

Time--> 7.70 7.80 7.90 8.00





#42

Toluene

Concen: 11.582 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

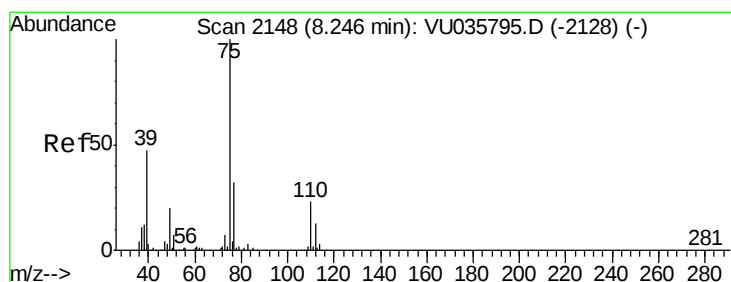
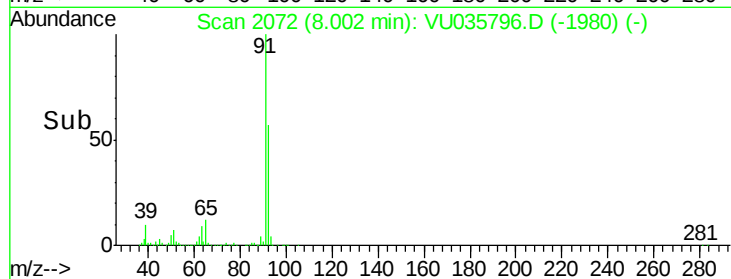
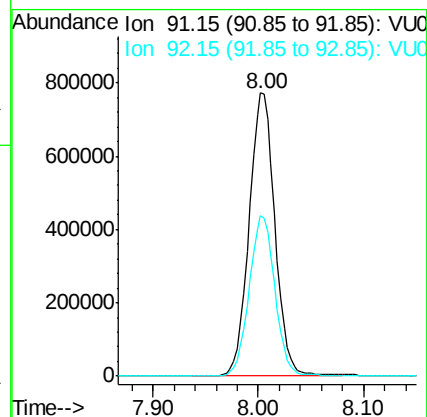
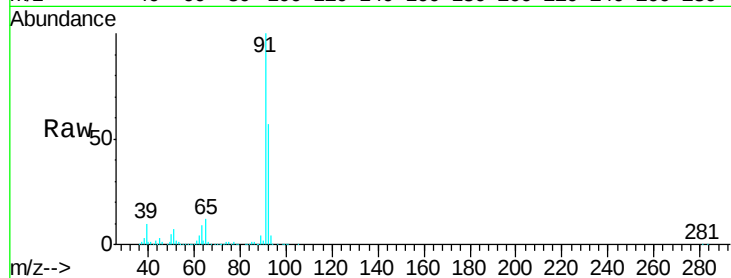
VSTD01006

Tgt Ion: 91 Resp: 1312529

Ion Ratio Lower Upper

91 100

92 56.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 11.938 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035796.D

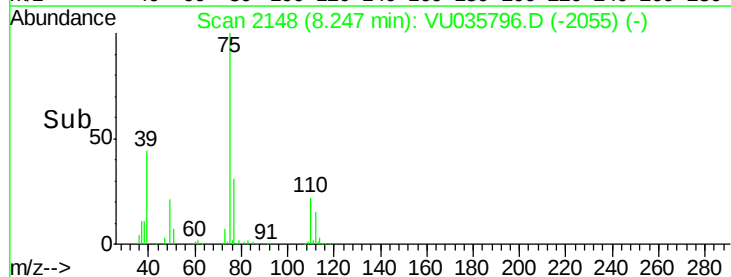
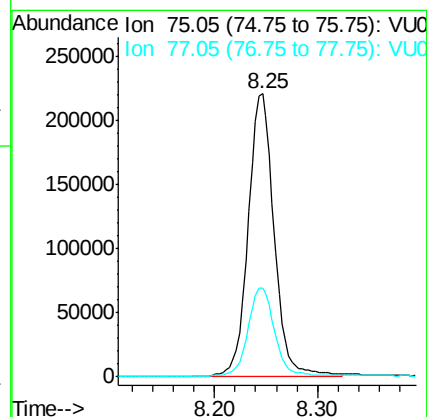
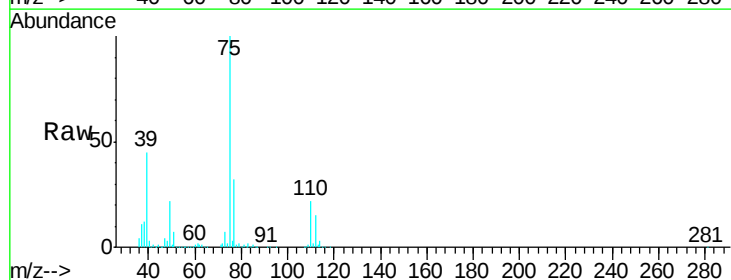
Acq: 21 Nov 2019 11:05

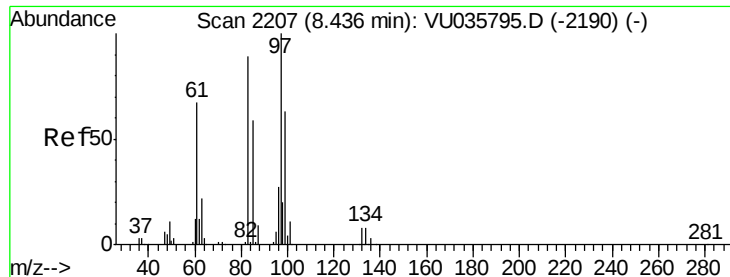
Tgt Ion: 75 Resp: 388429

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1

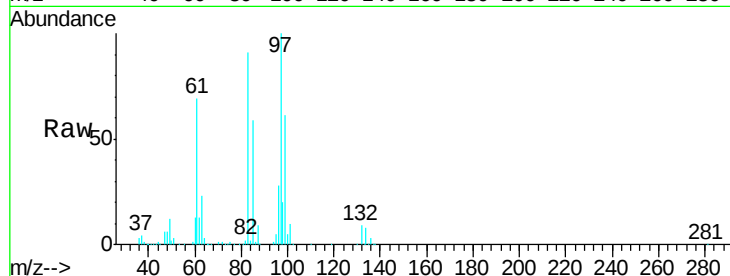




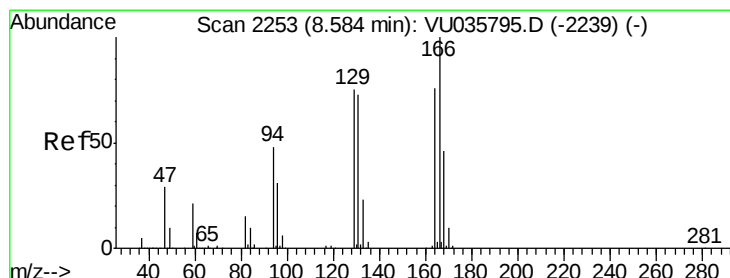
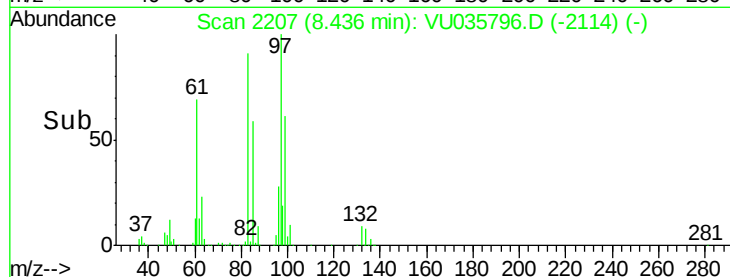
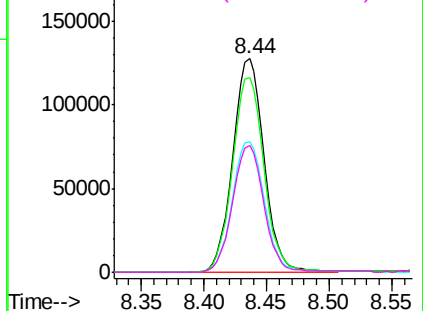
#45
 1,1,2-Trichloroethane
 Concen: 10.937 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035796.D
 Acq: 21 Nov 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:	97	Resp:	221317
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.2	82.0
83	91.3	62.2	115.6
85	59.1	41.5	77.1

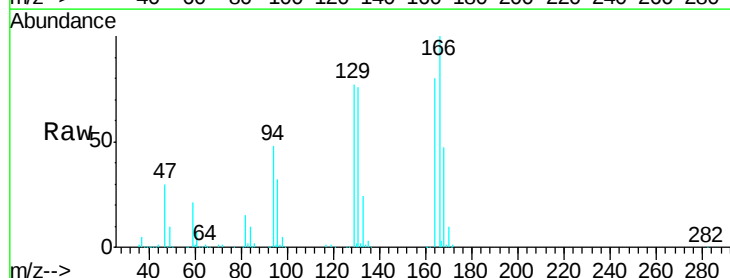


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

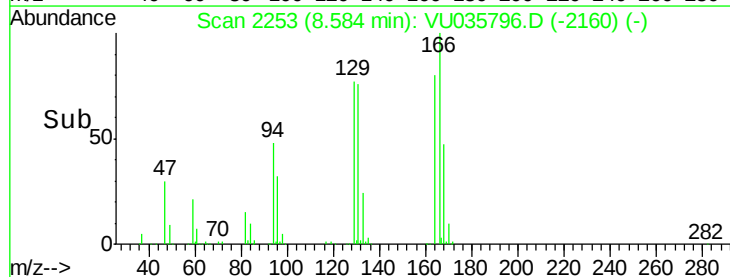
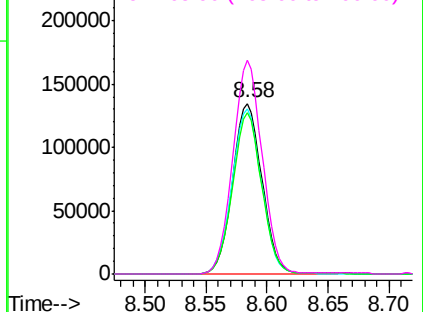


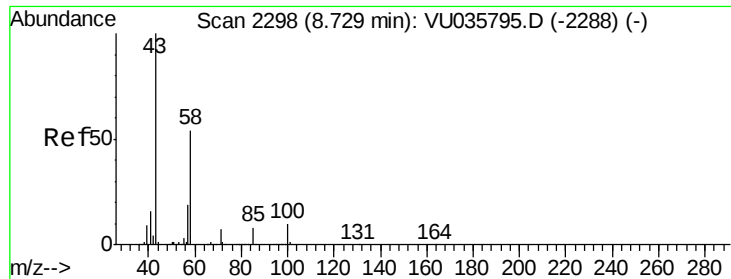
#47
 Tetrachloroethene
 Concen: 9.862 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035796.D
 Acq: 21 Nov 2019 11:05

Tgt Ion:	164	Resp:	226628
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.8	127.8
131	94.6	67.3	124.9
166	125.2	91.6	170.2



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

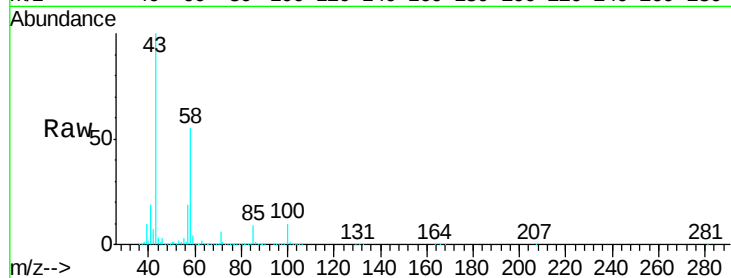




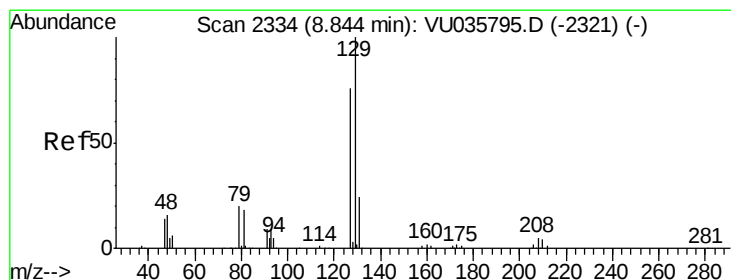
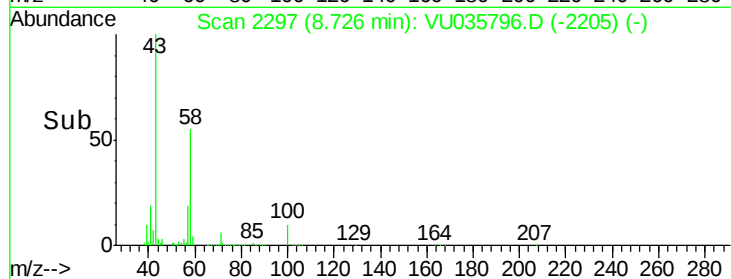
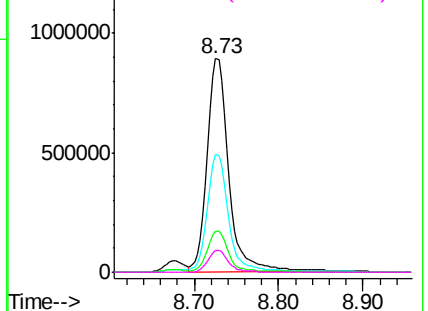
#48
2-Hexanone
Concen: 130.227 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion: 43 Resp: 1578684
Ion Ratio Lower Upper
43 100
58 56.4 39.8 59.8
57 18.8 14.0 21.0
100 9.7 7.2 10.8

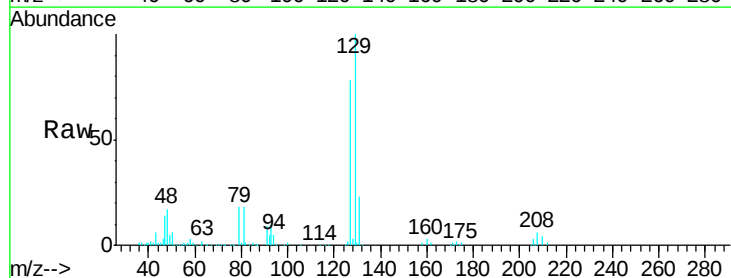


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

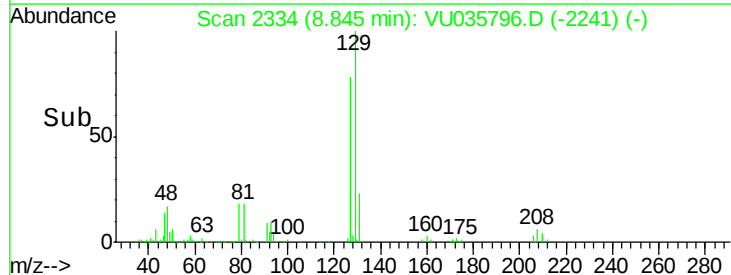
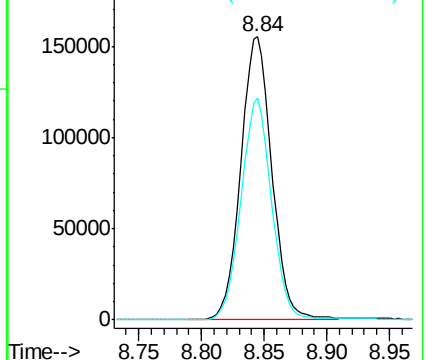


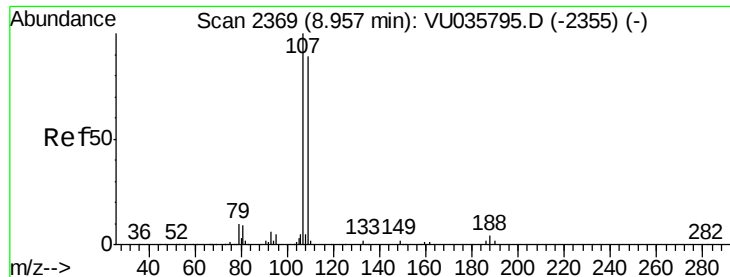
#49
Dibromochloromethane
Concen: 10.822 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Tgt Ion: 129 Resp: 267642
Ion Ratio Lower Upper
129 100
127 78.2 53.1 98.5



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

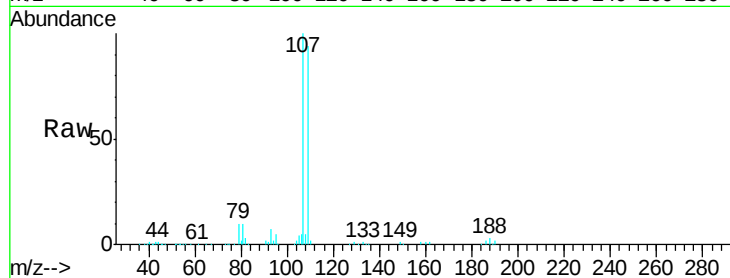




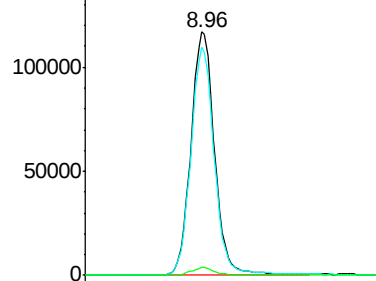
#50
1,2-Dibromoethane
Concen: 10.841 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

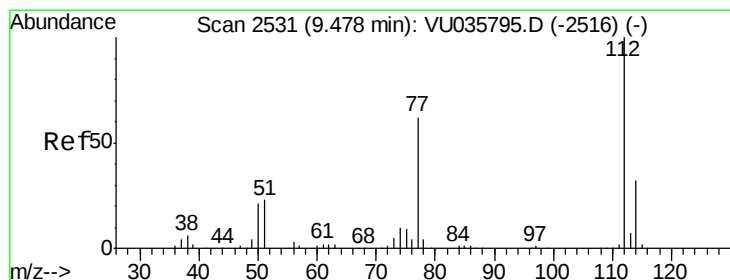
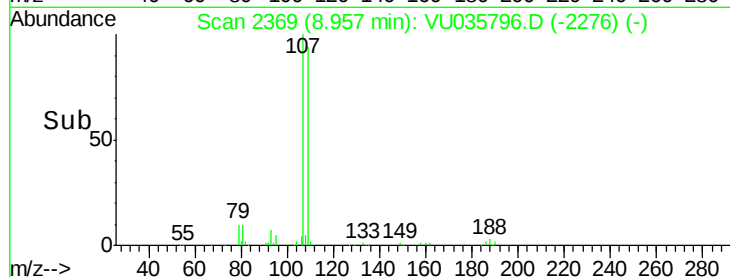
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	62.6	116.3
188	3.2	2.8	4.2



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

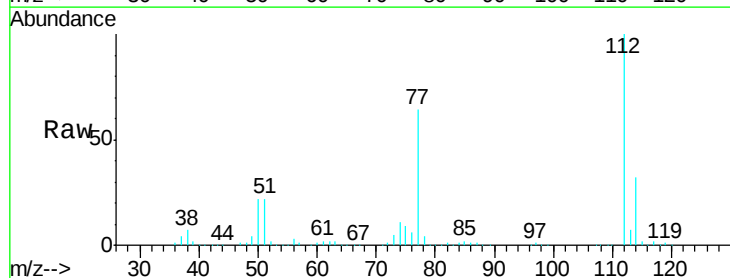


Time-->

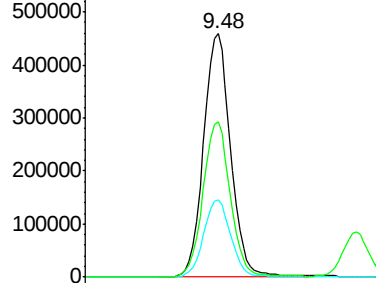


#51
Chlorobenzene
Concen: 10.540 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

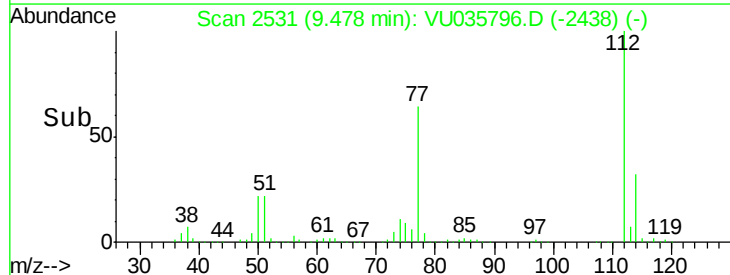
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	63.7	50.1	75.1

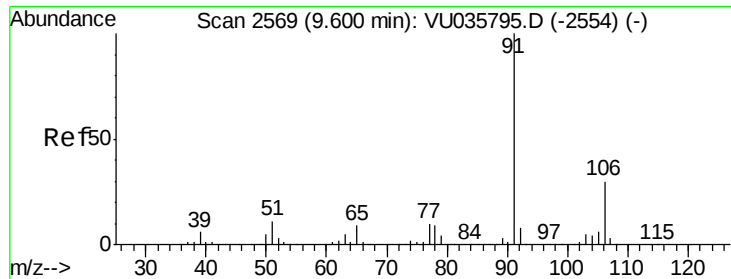


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0



Time-->





#52

Ethylbenzene

Concen: 11.719 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

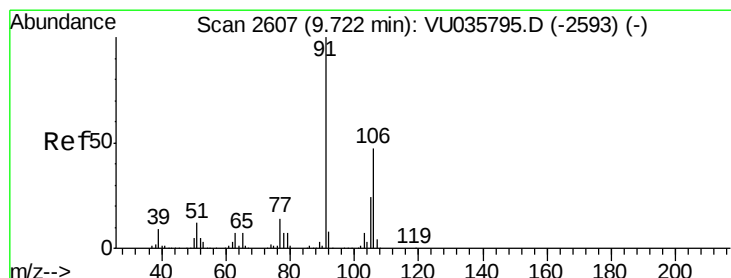
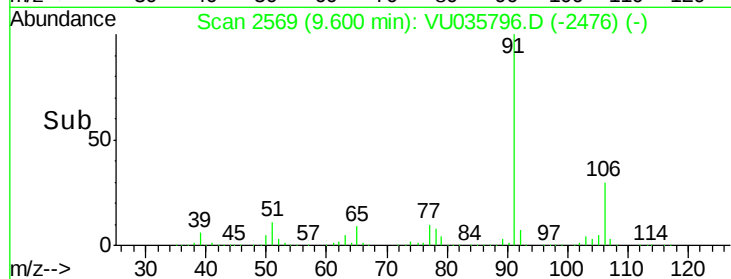
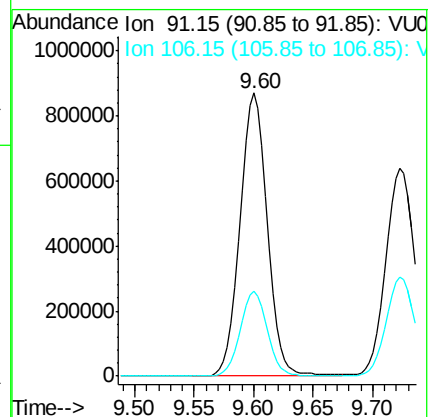
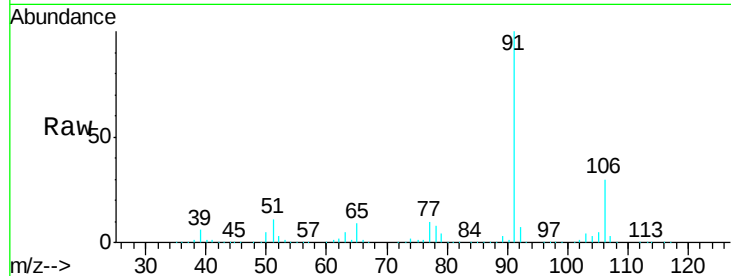
VSTD01006

Tgt Ion: 91 Resp: 1383999

Ion Ratio Lower Upper

91 100

106 29.9 21.2 39.4



#53

m,p-Xylene

Concen: 11.827 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035796.D

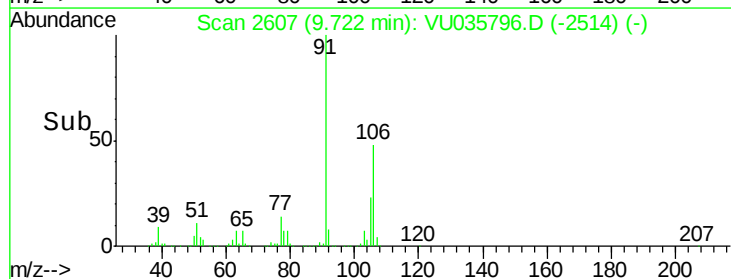
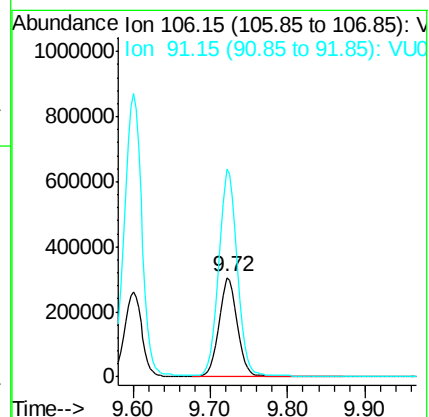
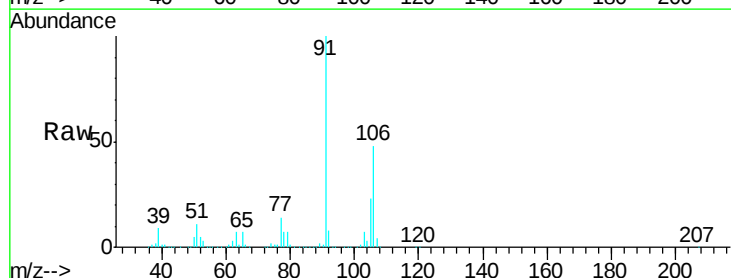
Acq: 21 Nov 2019 11:05

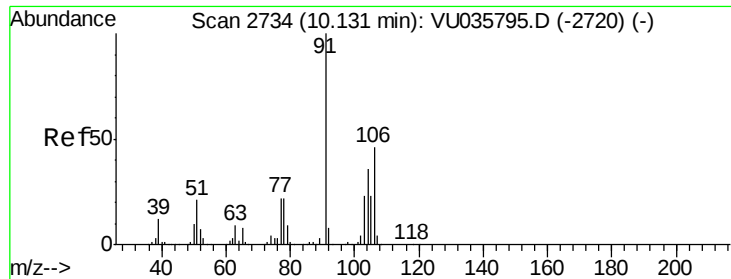
Tgt Ion: 106 Resp: 522710

Ion Ratio Lower Upper

106 100

91 209.3 149.9 278.5

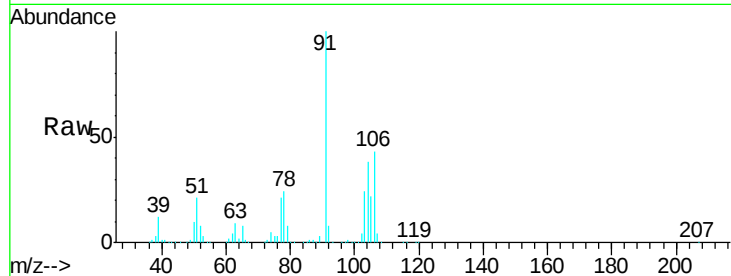




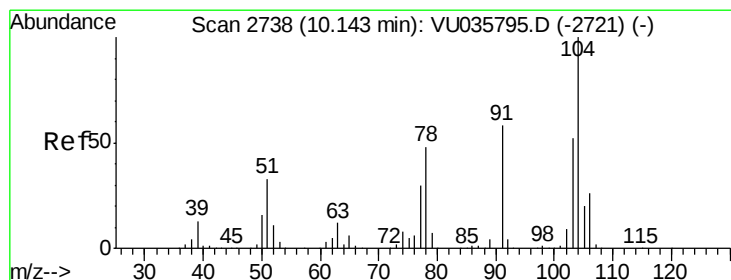
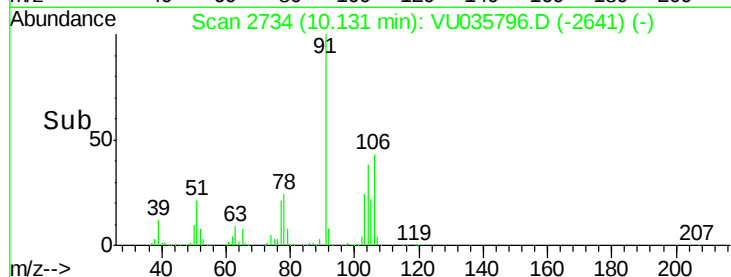
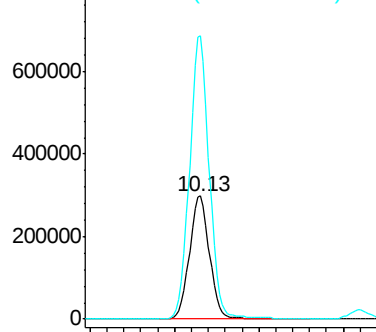
#54
o-Xylene
Concen: 11.572 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion:106 Resp: 492988
Ion Ratio Lower Upper
106 100
91 230.0 153.6 285.2

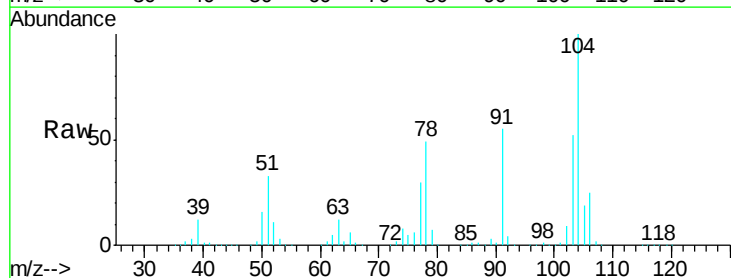


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

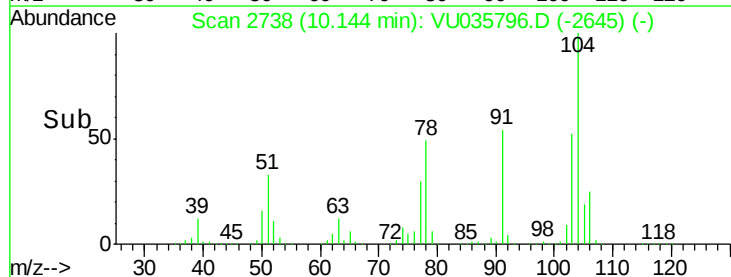
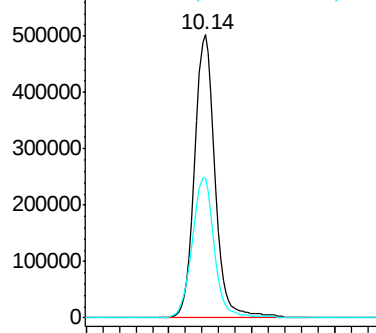


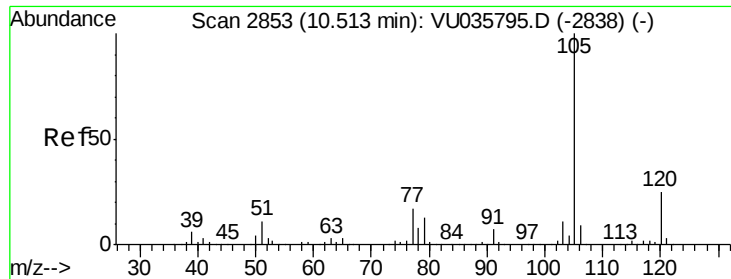
#55
Styrene
Concen: 12.038 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035796.D
Acq: 21 Nov 2019 11:05

Tgt Ion:104 Resp: 855578
Ion Ratio Lower Upper
104 100
78 49.4 33.9 62.9



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





#56

Isopropylbenzene

Concen: 11.653 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

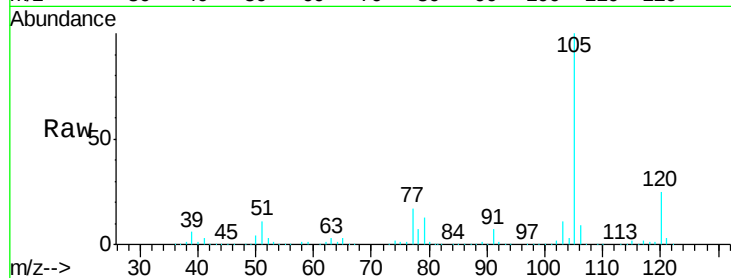
Tgt Ion:105 Resp: 1316610

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

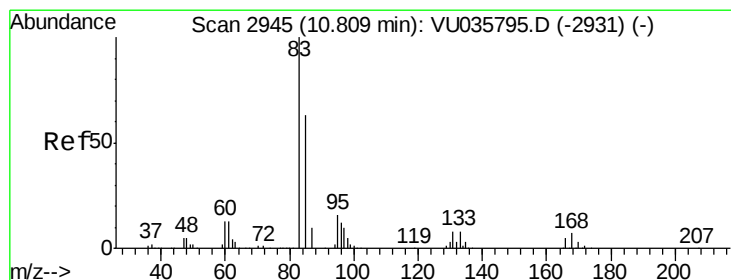
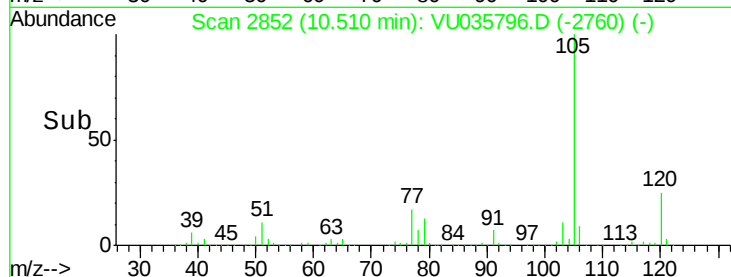
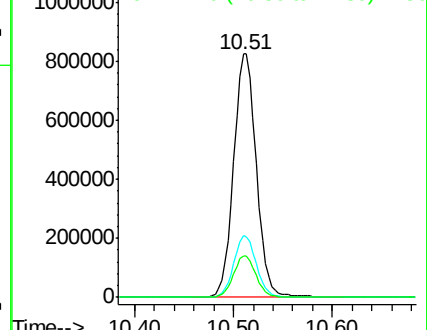
77 17.0 13.7 20.5



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: 11.384 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

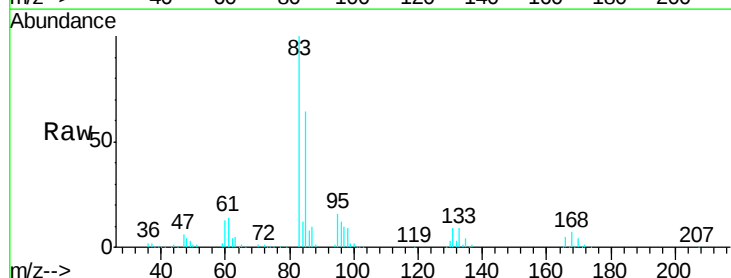
Tgt Ion: 83 Resp: 303127

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8

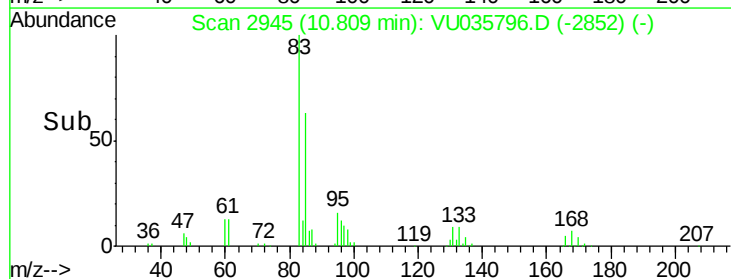
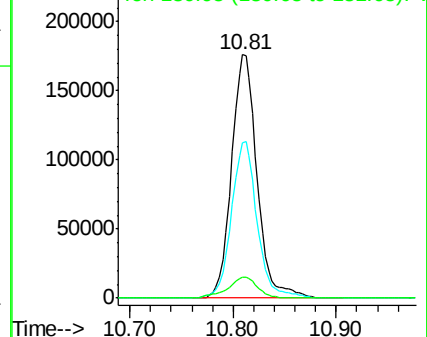
131 8.5 6.9 10.3

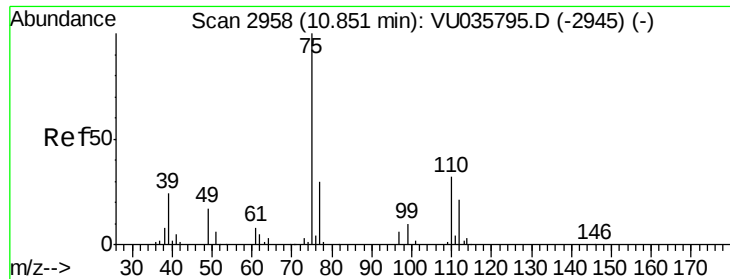


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 11.571 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

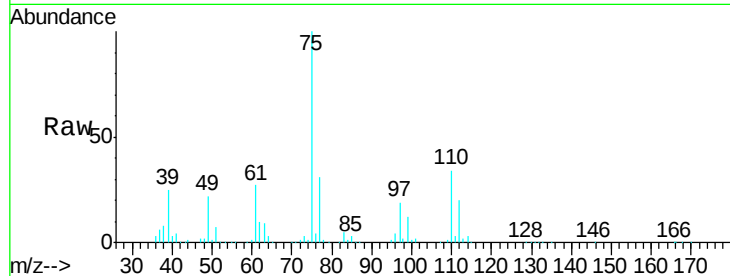
VSTD01006

Tgt Ion: 75 Resp: 219765

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU035795.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU035795.D (-2945) (-)

10.85

150000

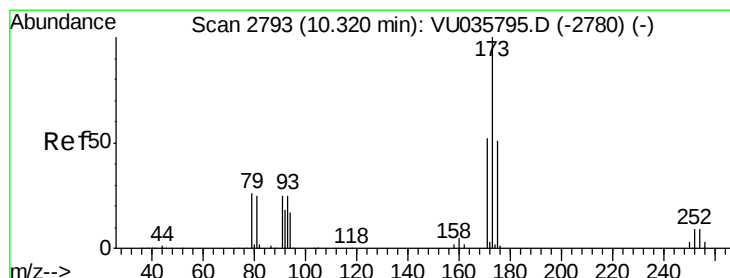
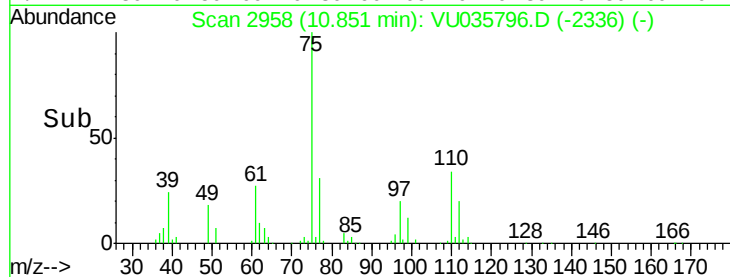
100000

50000

0

10.80 10.90

Time-->



#61

Bromoform

Concen: 9.668 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

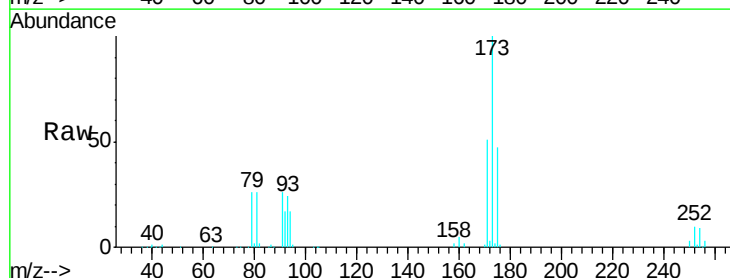
Tgt Ion: 173 Resp: 148515

Ion Ratio Lower Upper

173 100

175 47.2 40.1 60.1

254 8.7 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU035795.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035795.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035795.D (-2780) (-)

10.32

100000

80000

60000

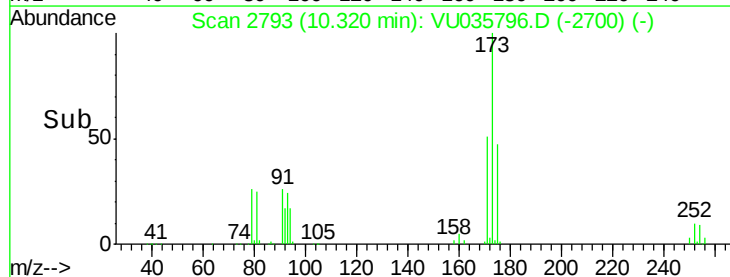
40000

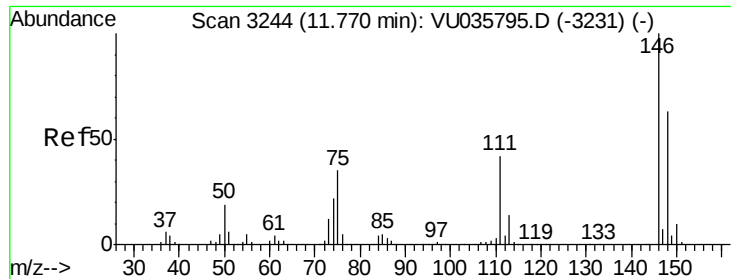
20000

0

10.20 10.30 10.40

Time-->





#62

1,3-Dichlorobenzene

Concen: 10.108 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

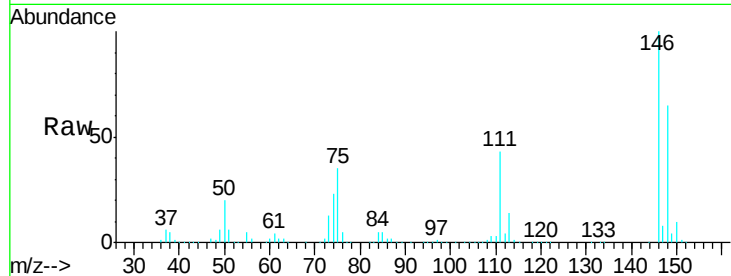
Tgt Ion:146 Resp: 578381

Ion Ratio Lower Upper

146 100

111 42.6 29.5 54.7

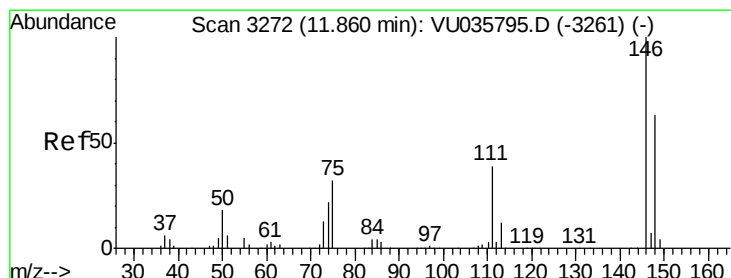
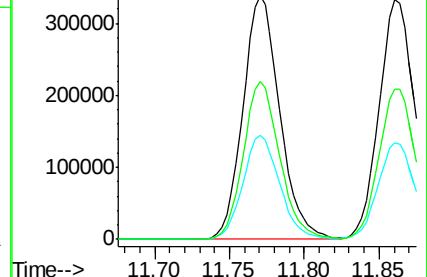
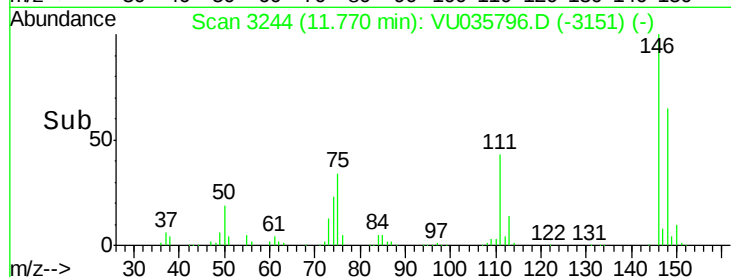
148 65.0 44.1 81.9



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: 10.343 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

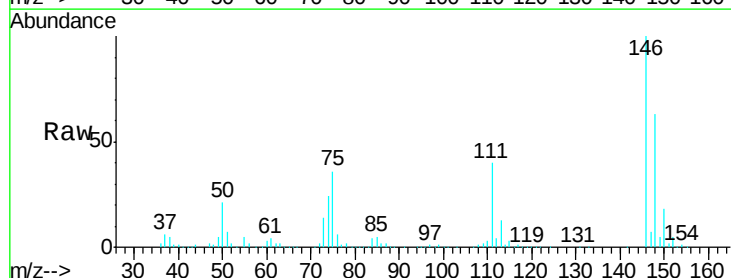
Tgt Ion:146 Resp: 570636

Ion Ratio Lower Upper

146 100

111 40.4 27.9 51.7

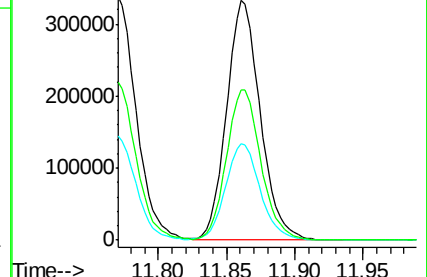
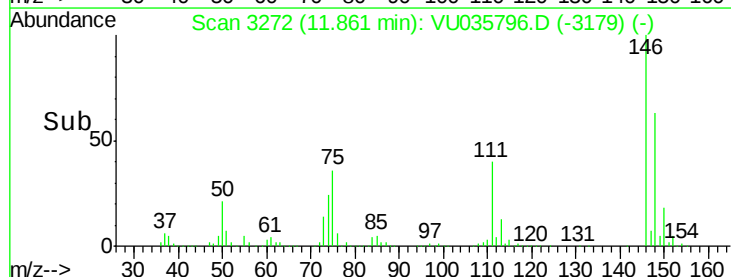
148 63.0 44.2 82.2

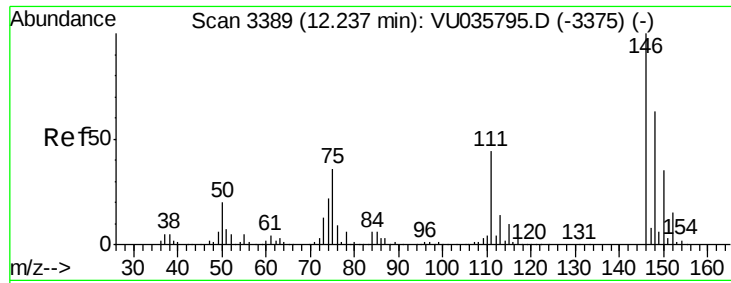


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.344 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampled :

VSTD01006

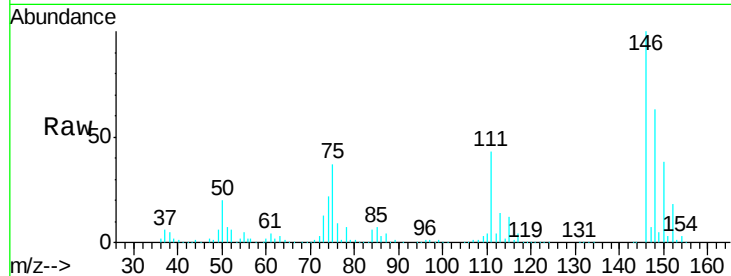
Tgt Ion:146 Resp: 553401

Ion Ratio Lower Upper

146 100

111 43.4 35.4 53.0

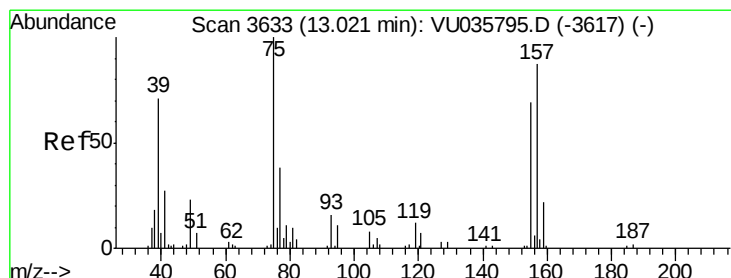
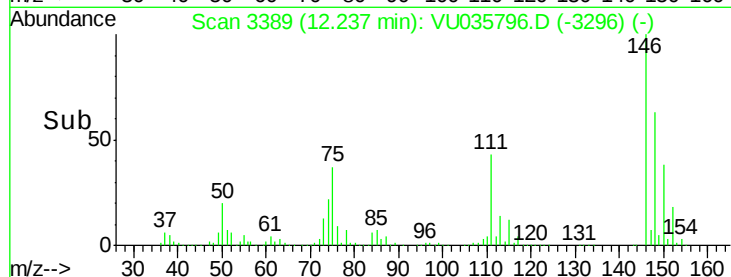
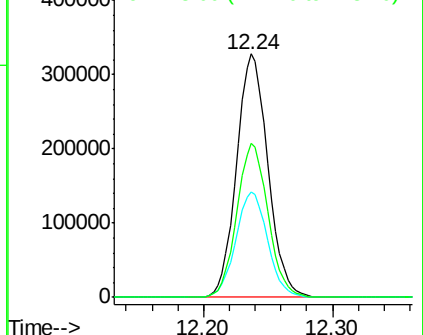
148 63.0 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 11.508 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

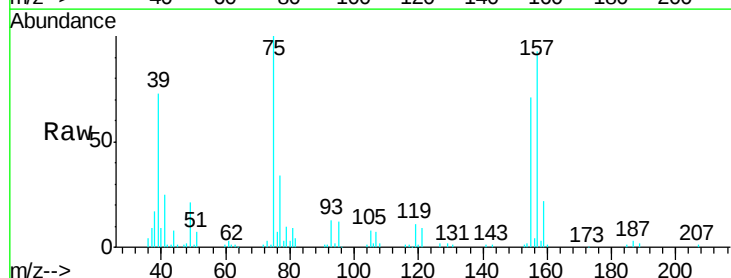
Tgt Ion: 75 Resp: 40940

Ion Ratio Lower Upper

75 100

155 70.7 55.4 83.2

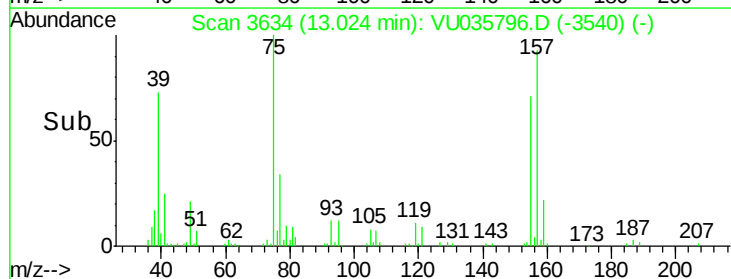
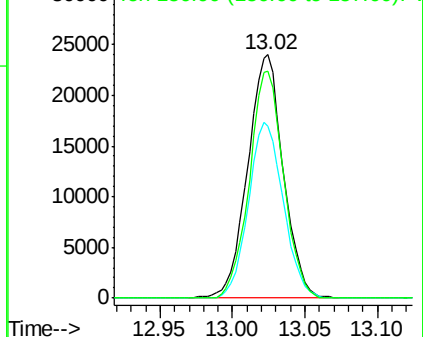
157 93.4 69.4 104.2

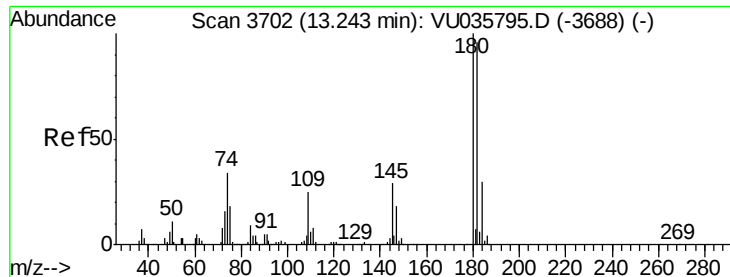


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

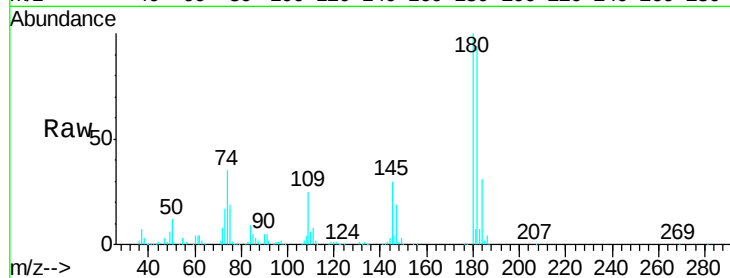




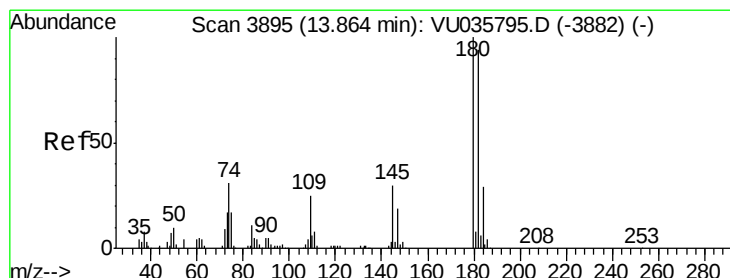
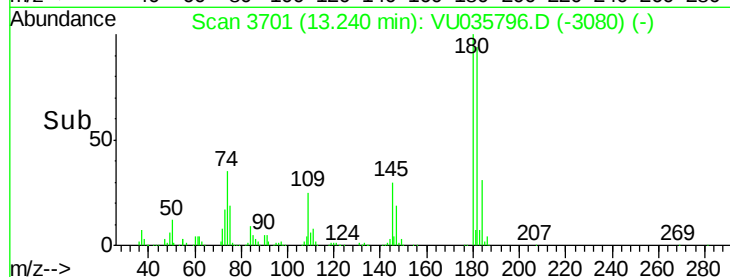
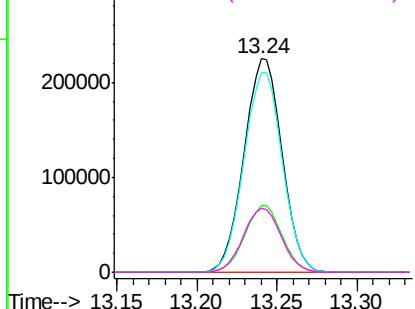
#67
 1,3,5-Trichlorobenzene
 Concen: 10.037 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035796.D
 Acq: 21 Nov 2019 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:180 Resp: 364935
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.6 113.4
 184 30.6 24.1 36.1
 145 29.8 23.7 35.5

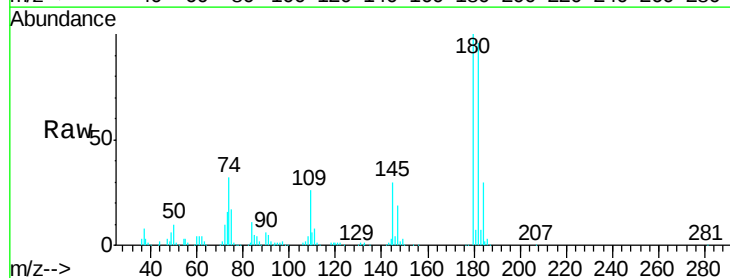


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

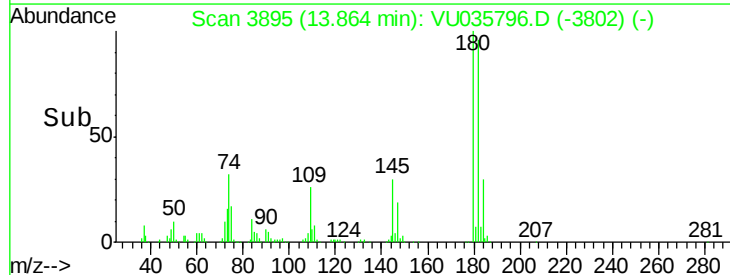
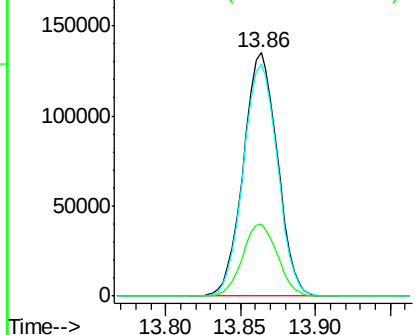


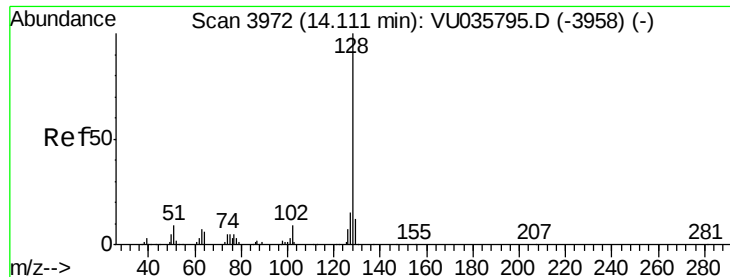
#68
 1,2,4-trichlorobenzene
 Concen: 9.827 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035796.D
 Acq: 21 Nov 2019 11:05

Tgt Ion:180 Resp: 214724
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.1 112.7
 145 30.2 24.0 36.0



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





#69

Naphthalene

Concen: 11.029 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

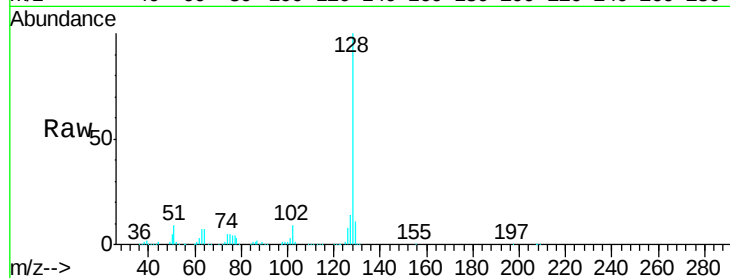
Tgt Ion:128 Resp: 299744

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

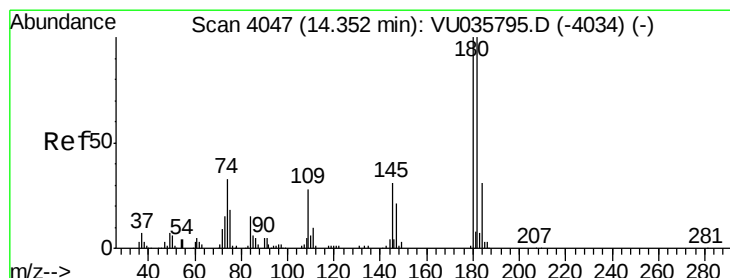
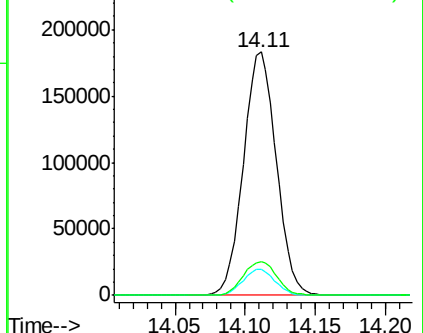
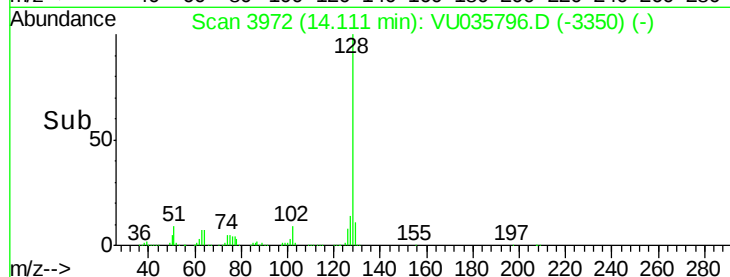
127 14.1 11.8 17.6



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: 10.023 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035796.D

Acq: 21 Nov 2019 11:05

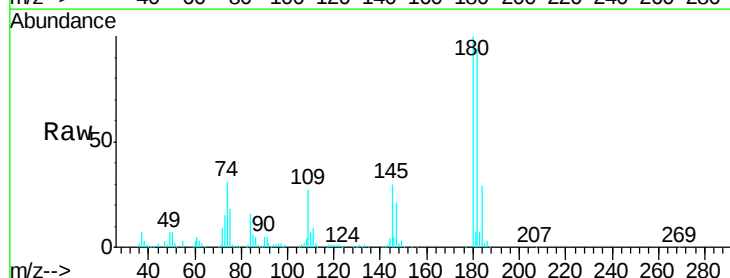
Tgt Ion:180 Resp: 211457

Ion Ratio Lower Upper

180 100

182 96.0 77.4 116.0

145 31.1 24.7 37.1



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

