

Data File : VU030791.D
Acq On : 06 Apr 2019 10:59
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05096

Quant Time: Apr 08 01:09:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	500994	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	476461	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	225422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	199355	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.16%
7) Chloroethane-d5	1.67	69	164436	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.88%
11) 1,1-Dichloroethene-d2	2.27	63	388171	47.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.98%
21) 2-Butanone-d5	4.17	46	388680	109.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.66%
24) Chloroform-d	4.64	84	347097	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
26) 1,2-Dichloroethane-d4	5.31	65	239038	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
32) Benzene-d6	5.34	84	692090	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	6.32	67	241124	50.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.16%
41) Toluene-d8	7.56	98	629012	51.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.04%
43) trans-1,3-Dichloropropene-	7.85	79	107972	49.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.34%
47) 2-Hexanone-d5	8.31	63	252099	115.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	343657	53.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.90%
64) 1,2-Dichlorobenzene-d4	11.85	152	222351	50.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	205905	46.789	ug/L	99
3) Chloromethane	1.32	50	273819	48.104	ug/L	100
5) Vinyl chloride	1.40	62	268098	48.655	ug/L	96
6) Bromomethane	1.62	94	138252	48.429	ug/L	98
8) Chloroethane	1.69	64	161410	51.360	ug/L	100
9) Trichlorofluoromethane	1.88	101	319449	49.755	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	165061	46.012	ug/L	99
12) 1,1-Dichloroethene	2.28	96	172183	49.719	ug/L	99
13) Acetone	2.32	43	282639	77.926	ug/L	100
14) Carbon disulfide	2.47	76	519423	48.281	ug/L	100
15) Methyl Acetate	2.61	43	296584	52.739	ug/L	98
16) Methylene chloride	2.70	84	207256	49.264	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	175570	47.747	ug/L	97
18) Methyl tert-butyl Ether	2.99	73	612615	49.736	ug/L	99
19) 1,1-Dichloroethane	3.44	63	390663	51.482	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	205581	50.634	ug/L	99
22) 2-Butanone	4.26	43	435595	102.431	ug/L	96

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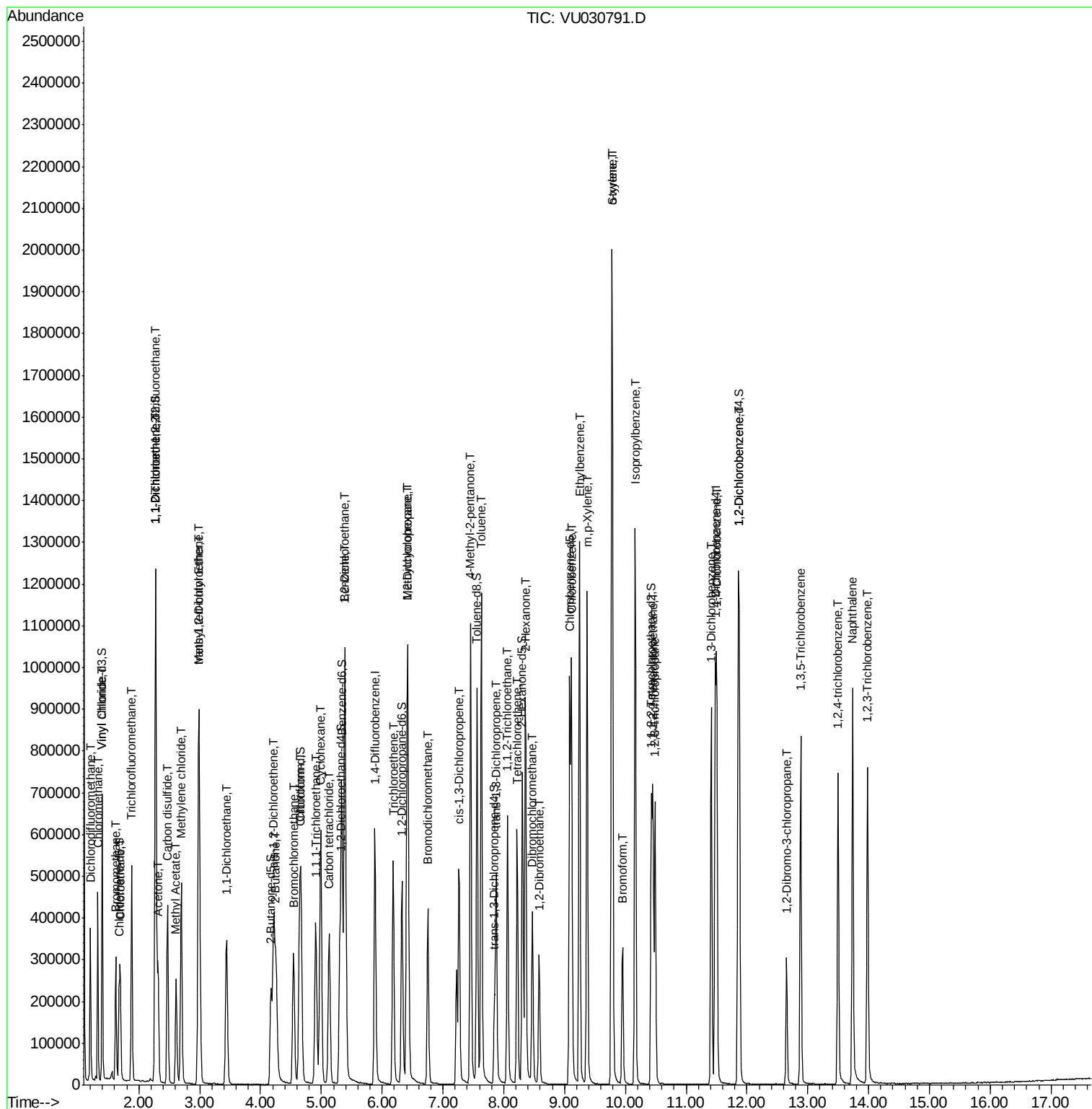
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	98724	51.433	ug/L	97
25) Chloroform	4.67	83	384399	50.401	ug/L	99
27) 1,2-Dichloroethane	5.40	62	301219	51.746	ug/L	97
29) Cyclohexane	4.99	56	331326	48.790	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	301945	52.000	ug/L	99
31) Carbon tetrachloride	5.13	117	260219	52.004	ug/L	99
33) Benzene	5.38	78	815140	52.280	ug/L	100
34) Trichloroethene	6.18	95	196734	51.445	ug/L	100
35) Methylcyclohexane	6.41	83	279018	47.277	ug/L	98
37) 1,2-Dichloropropane	6.43	63	231226	52.373	ug/L	99
38) Bromodichloromethane	6.75	83	279725	52.519	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	318027	50.608	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	779460	109.788	ug/L	100
42) Toluene	7.63	91	840491	52.809	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	286561	51.745	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	196739	52.543	ug/L	99
46) Tetrachloroethene	8.22	164	133936	48.173	ug/L	99
48) 2-Hexanone	8.36	43	623391	112.544	ug/L	99
49) Dibromochloromethane	8.47	129	209652	52.767	ug/L	99
50) 1,2-Dibromoethane	8.58	107	208659	51.498	ug/L	100
51) Chlorobenzene	9.12	112	514312	52.688	ug/L	99
52) Ethylbenzene	9.25	91	900714	51.919	ug/L	99
53) m,p-Xylene	9.37	106	313173	51.759	ug/L	98
54) o-xylene	9.77	106	315066	52.350	ug/L	97
55) Styrene	9.79	104	558189	54.071	ug/L	100
56) Isopropylbenzene	10.16	105	833380	52.594	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	349248	51.567	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	280448	53.038	ug/L	100
61) Bromoform	9.95	173	153100	51.412	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	353442	49.610	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	368041	50.786	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	372108	52.069	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	79561	52.370	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	250824	48.174	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	226500	51.164	ug/L	98
69) Naphthalene	13.74	128	757847	52.808	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	237451	51.338	ug/L	96

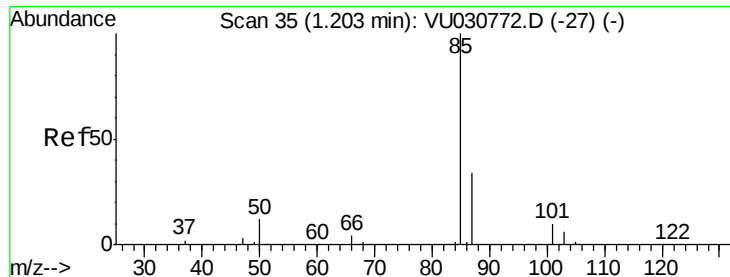
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.789 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

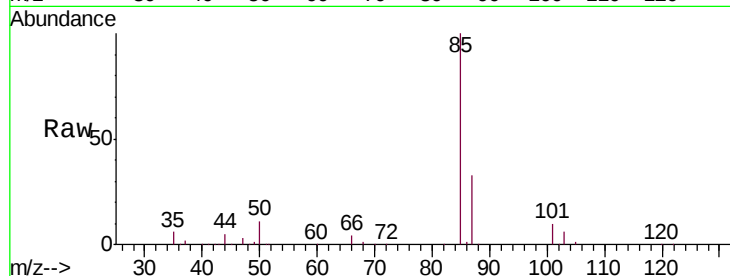
VSTD05096

Tgt Ion: 85 Resp: 205905

Ion Ratio Lower Upper

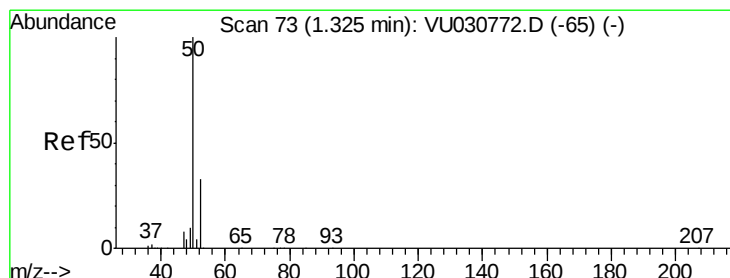
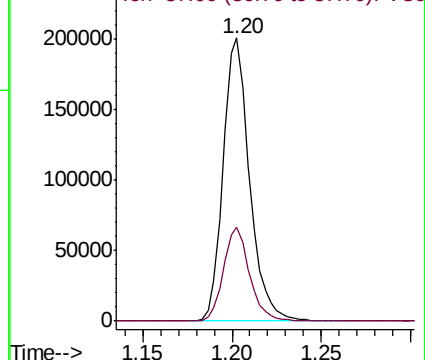
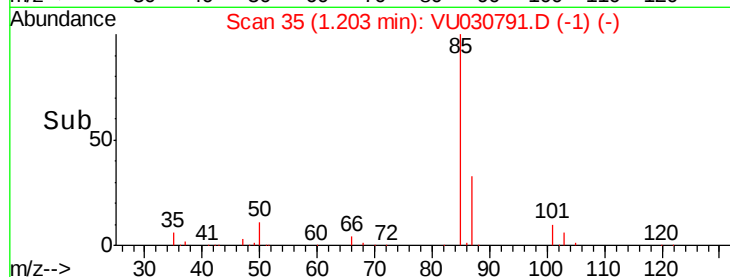
85 100

87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU030791.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030791.D (-1) (-)



#3

Chloromethane

Concen: 48.104 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030791.D

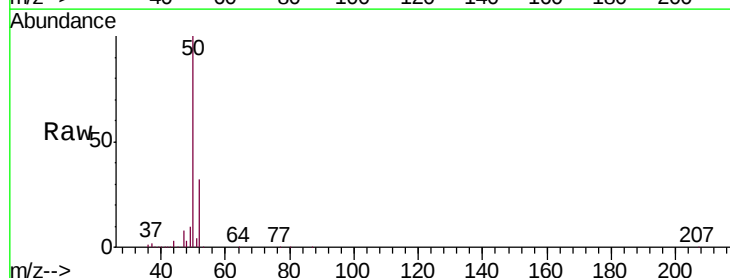
Acq: 06 Apr 2019 10:59

Tgt Ion: 50 Resp: 273819

Ion Ratio Lower Upper

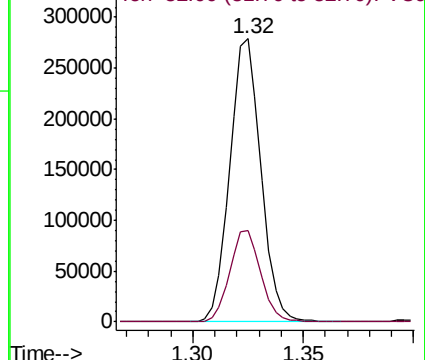
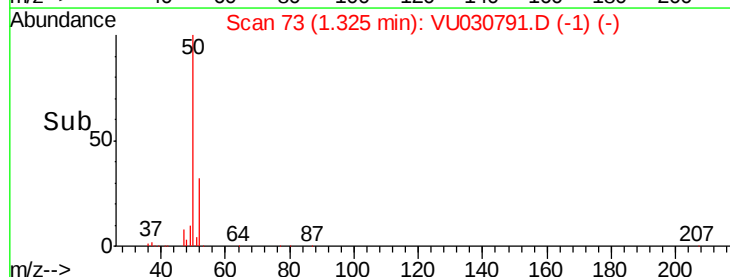
50 100

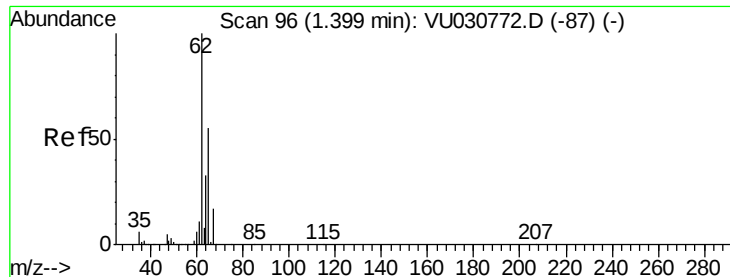
52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU030791.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030791.D (-1) (-)





#5

Vinyl chloride

Concen: 48.655 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

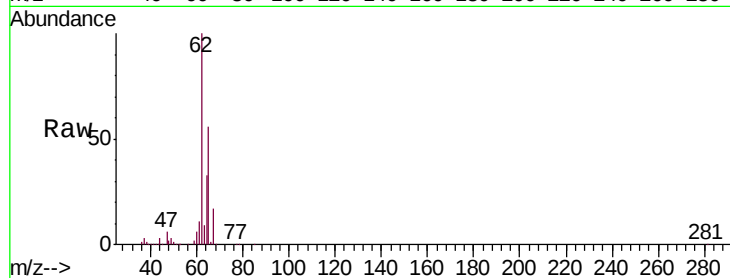
VSTD05096

Tgt Ion: 62 Resp: 268098

Ion Ratio Lower Upper

62 100

64 32.8 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU030791.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU030791.D (-87) (-)

1.40

250000

200000

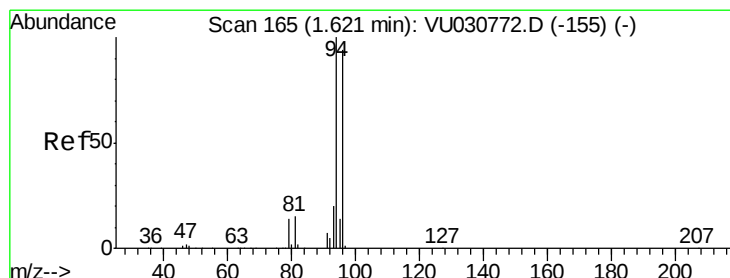
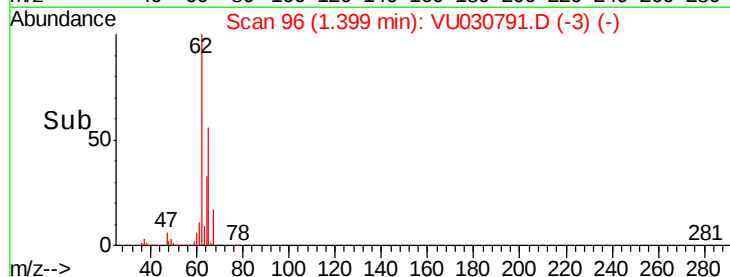
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.429 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU030791.D

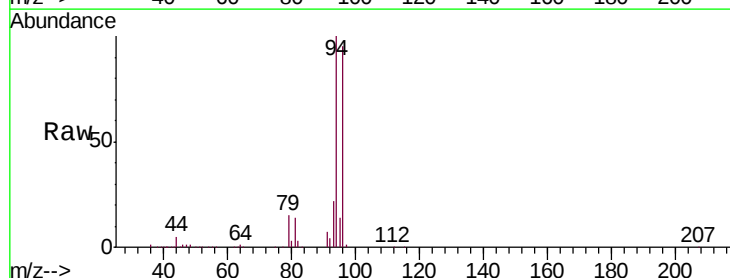
Acq: 06 Apr 2019 10:59

Tgt Ion: 94 Resp: 138252

Ion Ratio Lower Upper

94 100

96 95.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU030791.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU030791.D (-155) (-)

1.62

120000

100000

80000

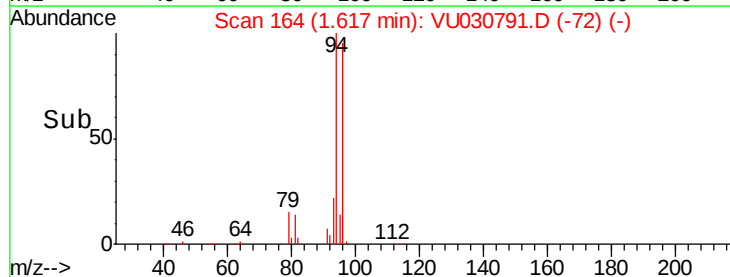
60000

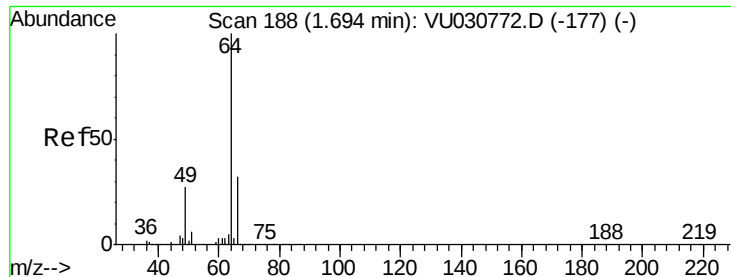
40000

20000

0

Time-->

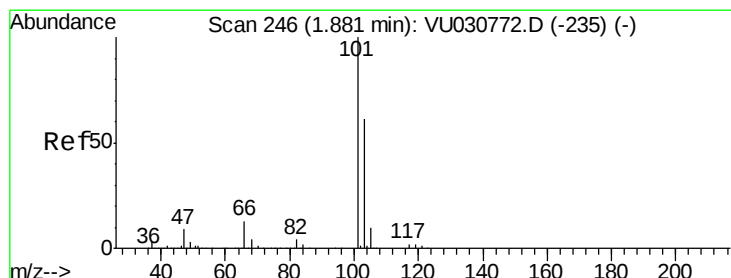
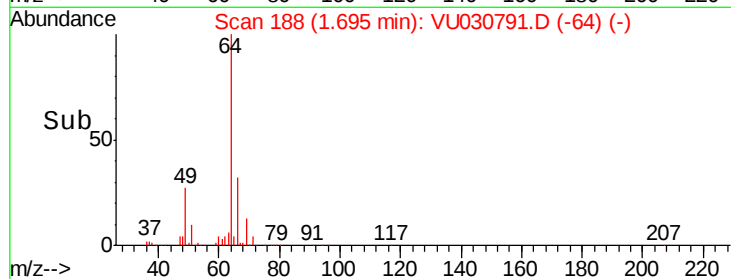
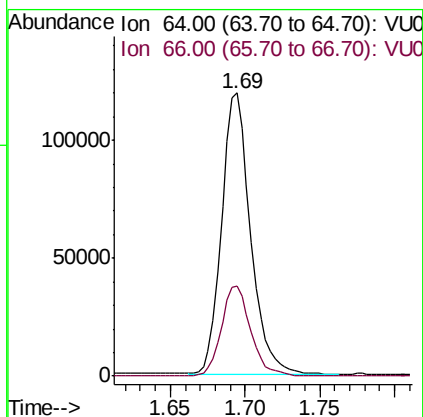
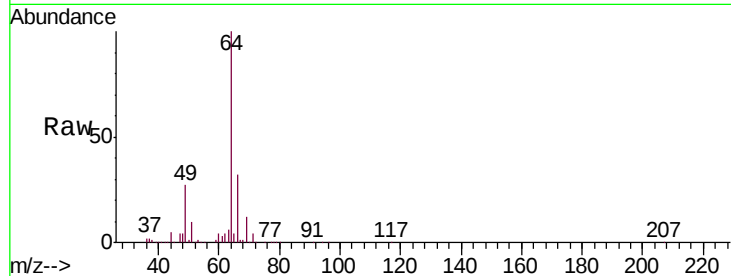




#8
Chloroethane
Concen: 51.360 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU030791.D
Acq: 06 Apr 2019 10:59

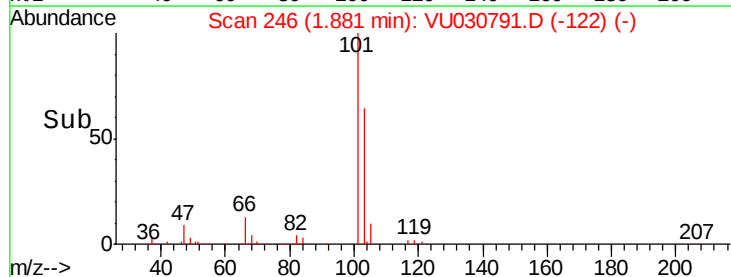
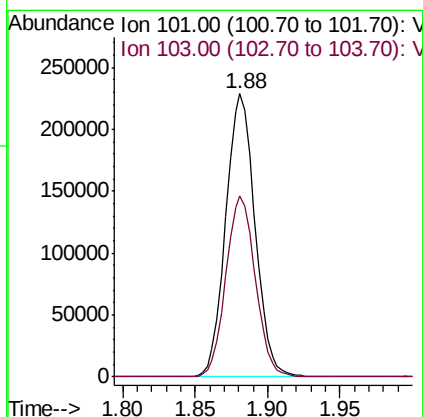
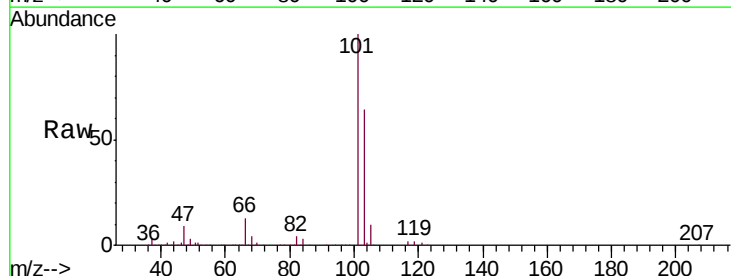
Instrument :
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VSTD05096

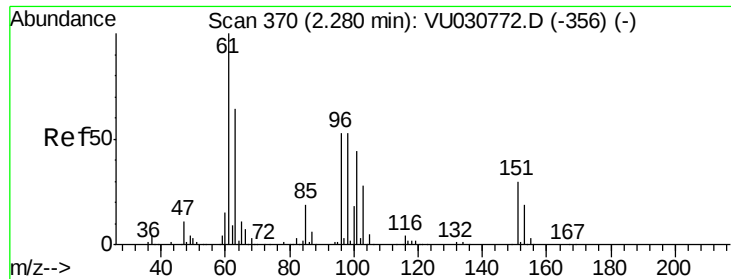
Tgt Ion: 64 Resp: 161410
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 49.755 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU030791.D
Acq: 06 Apr 2019 10:59

Tgt Ion: 101 Resp: 319449
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8





#10

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

Concen: 46.012 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05096

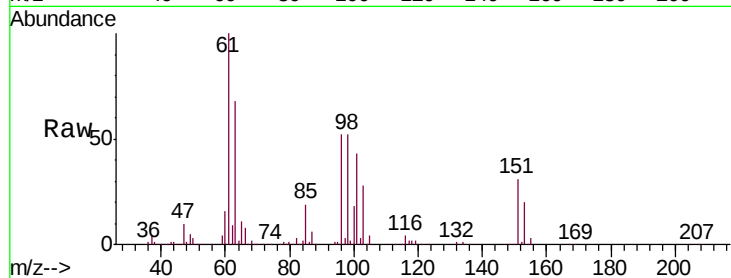
Tgt Ion: 101 Resp: 165061

Ion Ratio Lower Upper

101 100

85 45.0 36.8 55.2

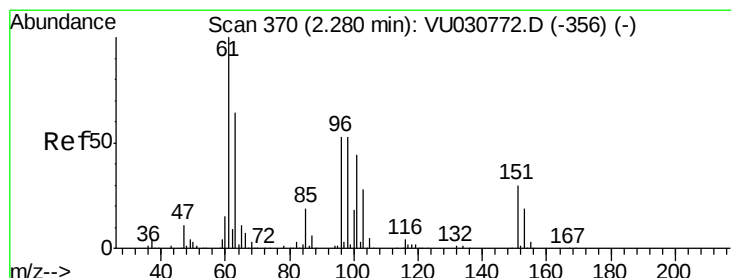
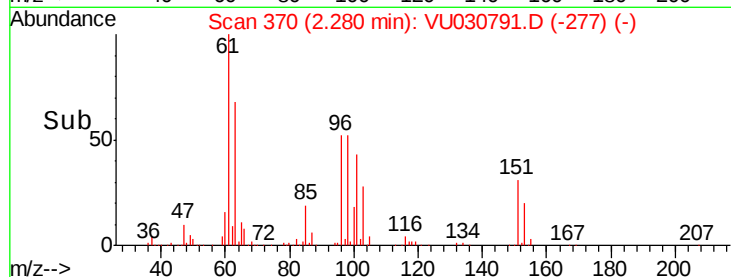
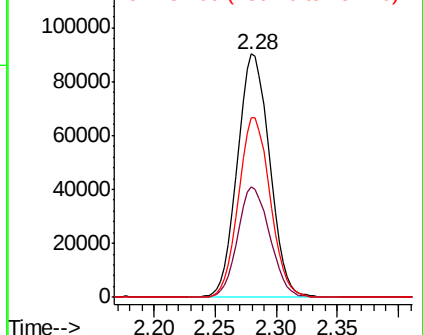
151 72.6 57.4 86.0



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: 49.719 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

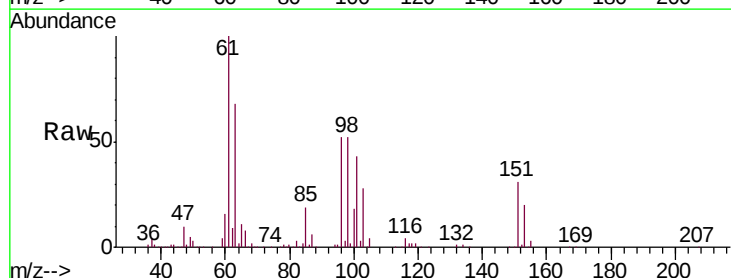
Tgt Ion: 96 Resp: 172183

Ion Ratio Lower Upper

96 100

61 190.6 132.0 245.2

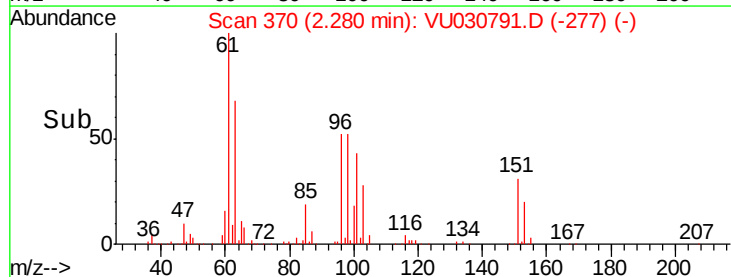
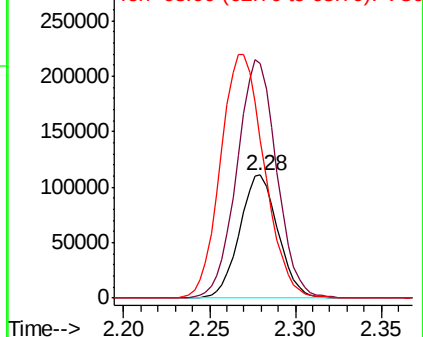
63 129.0 90.9 168.9

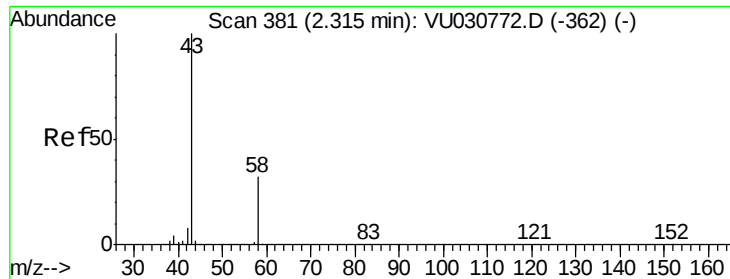


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.926 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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ClientSampleId :

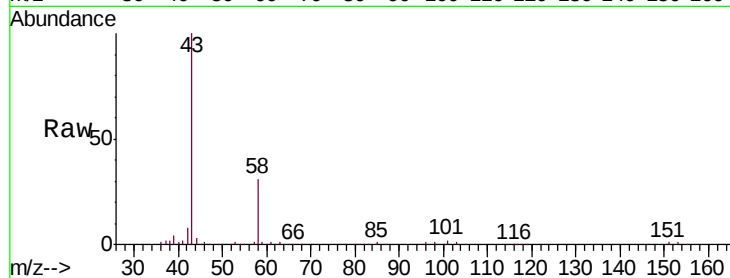
VSTD05096

Tgt Ion: 43 Resp: 282639

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030772.D (-362) (-)

200000

150000

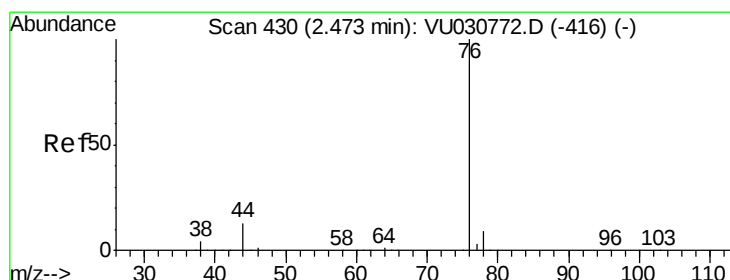
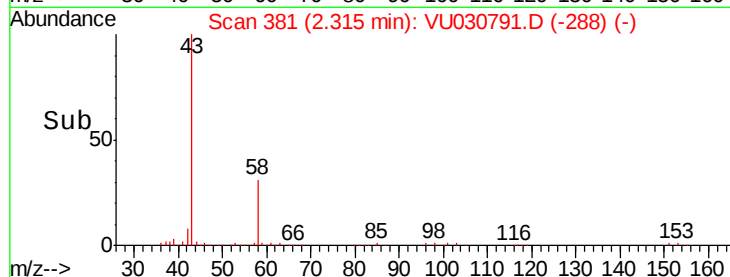
100000

50000

0

2.25 2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 48.281 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030791.D

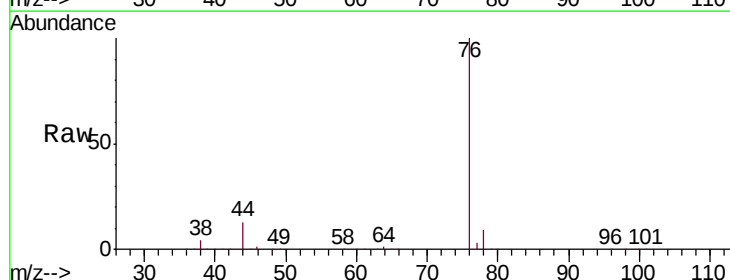
Acq: 06 Apr 2019 10:59

Tgt Ion: 76 Resp: 519423

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU030772.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030772.D (-416) (-)

300000

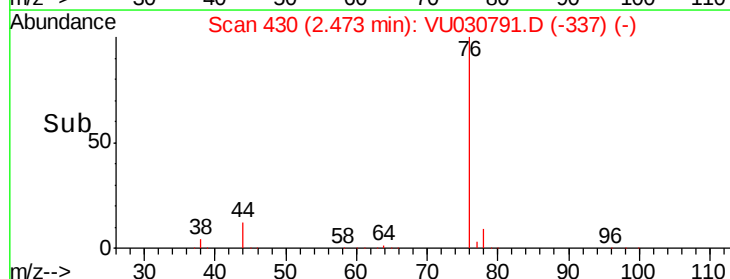
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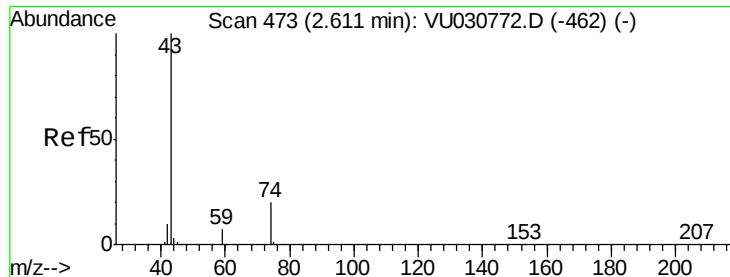
100000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methyl Acetate

Concen: 52.739 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

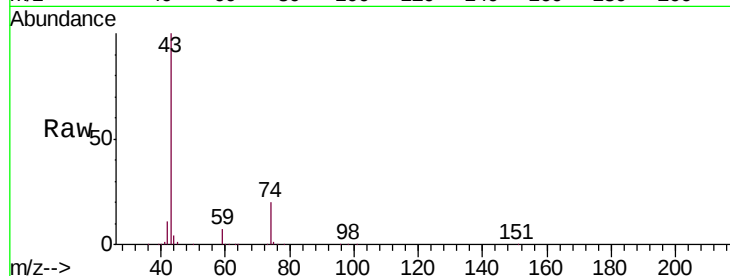
VSTD05096

Tgt Ion: 43 Resp: 296584

Ion Ratio Lower Upper

43 100

74 20.5 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VU030791.D (-380) (-)

Ion 74.00 (73.70 to 74.70): VU030791.D (-380) (-)

200000

150000

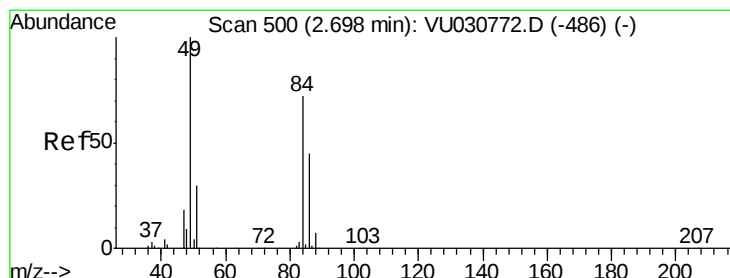
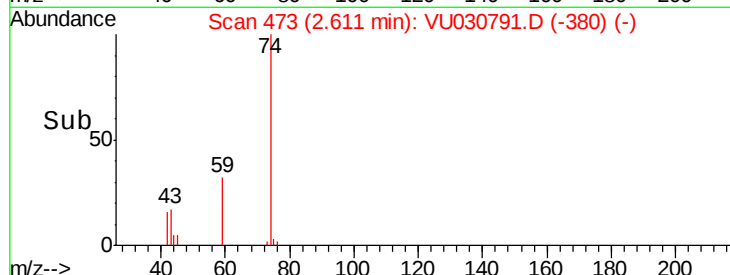
100000

50000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 49.264 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

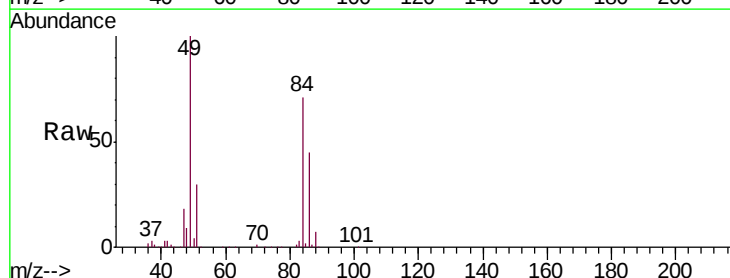
Tgt Ion: 84 Resp: 207256

Ion Ratio Lower Upper

84 100

86 63.0 45.1 83.7

49 141.2 96.5 179.1



Abundance Ion 84.00 (83.70 to 84.70): VU030791.D (-407) (-)

Ion 86.00 (85.70 to 86.70): VU030791.D (-407) (-)

Ion 49.00 (48.70 to 49.70): VU030791.D (-407) (-)

200000

150000

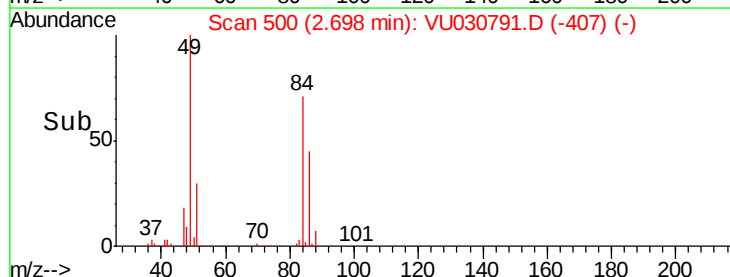
100000

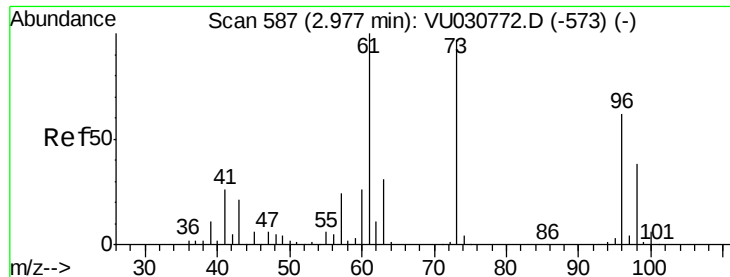
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 47.747 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05096

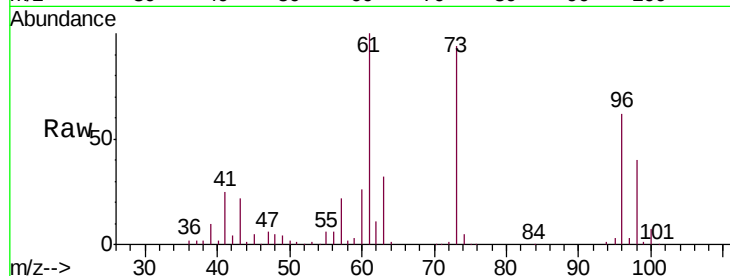
Tgt Ion: 96 Resp: 175570

Ion Ratio Lower Upper

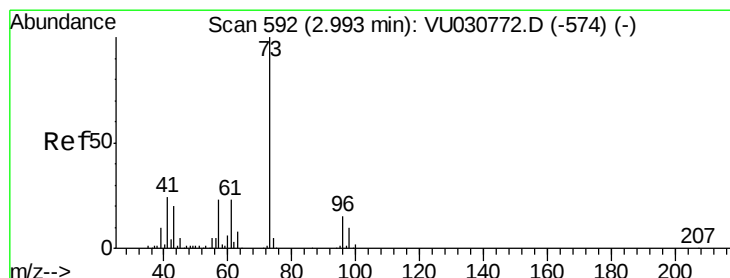
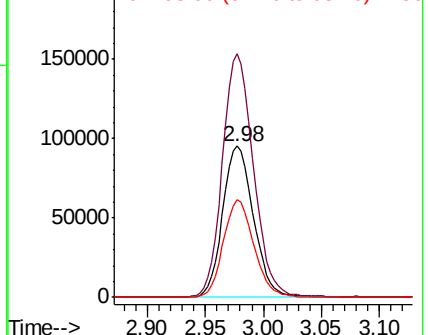
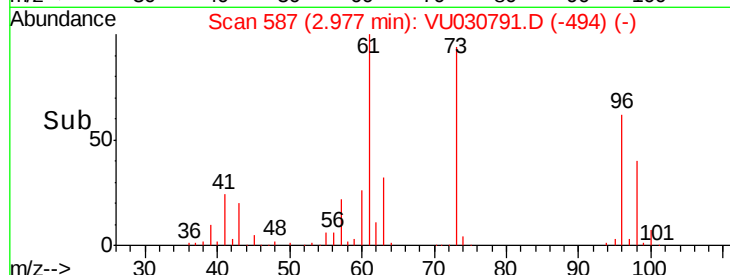
96 100

61 161.4 109.5 203.3

98 64.4 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030791.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 49.736 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

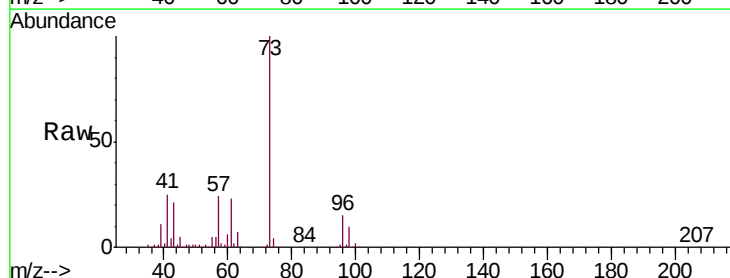
Tgt Ion: 73 Resp: 612615

Ion Ratio Lower Upper

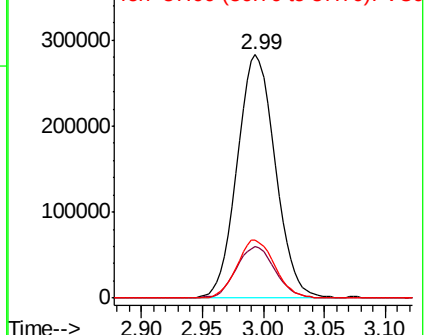
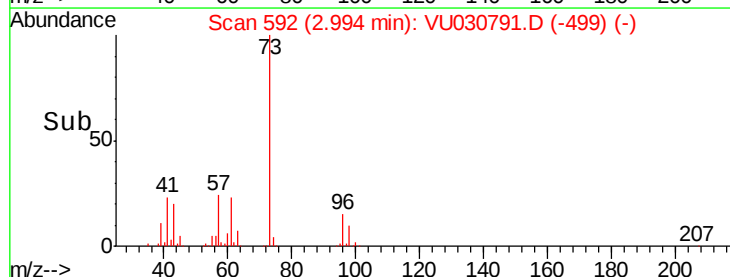
73 100

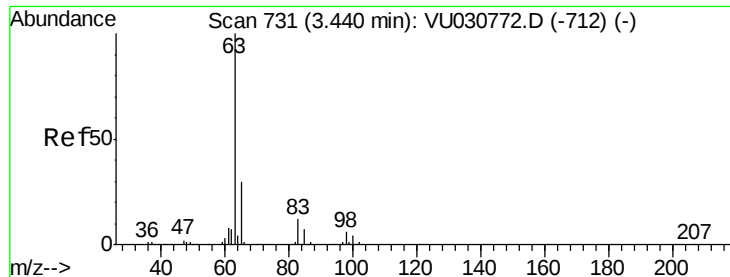
43 21.2 16.4 24.6

57 23.9 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VU030791.D (-499) (-)

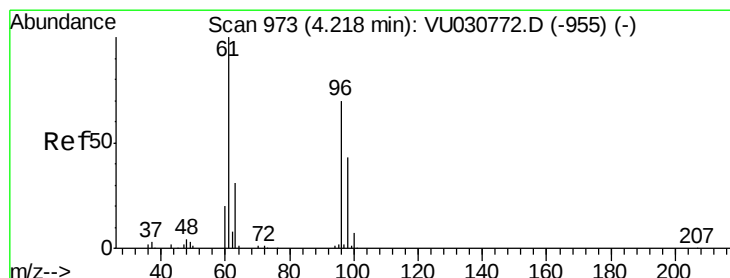
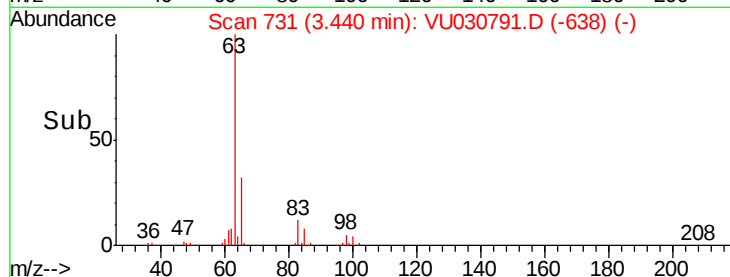
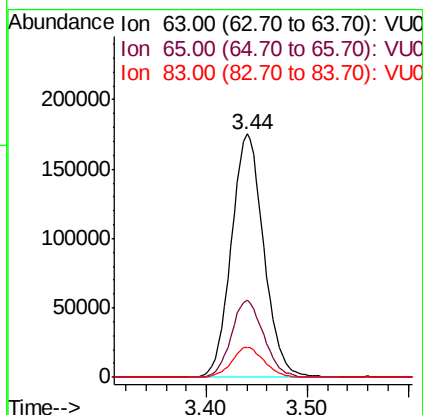
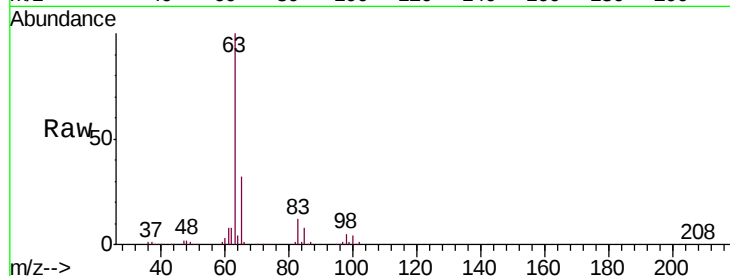




#19
 1,1-Dichloroethane
 Concen: 51.482 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

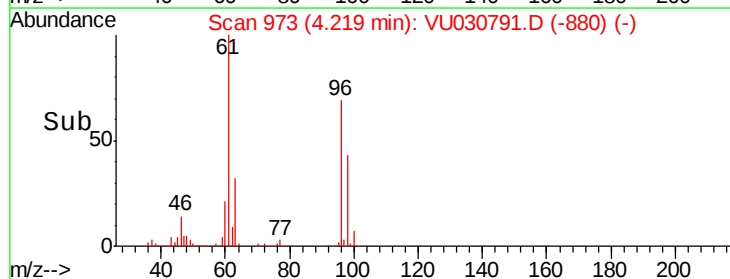
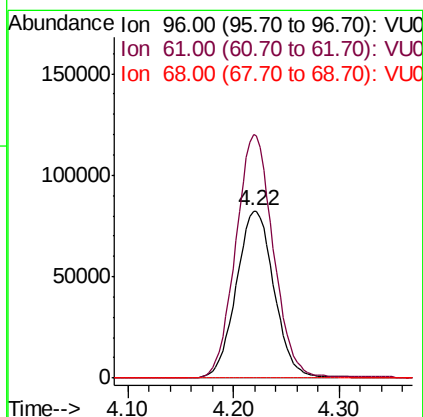
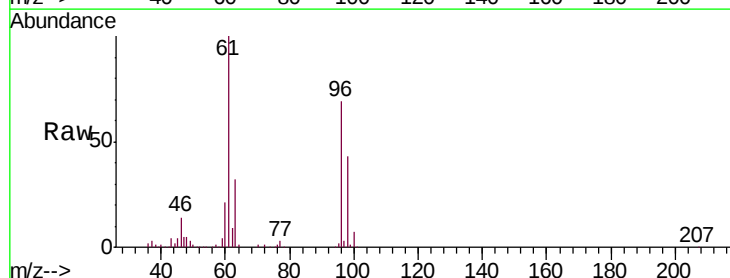
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05096

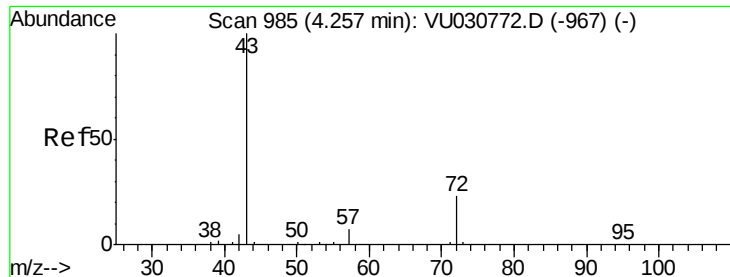
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.4	39.8
83	12.5	8.5	15.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.634 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.7	102.9	191.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 102.431 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

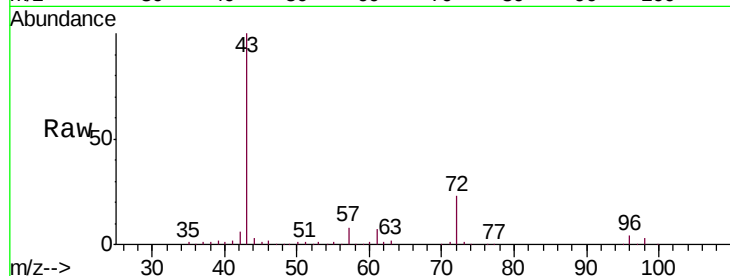
VSTD05096

Tgt Ion: 43 Resp: 435595

Ion Ratio Lower Upper

43 100

72 23.6 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU030772.D (-967) (-)

4.26

150000

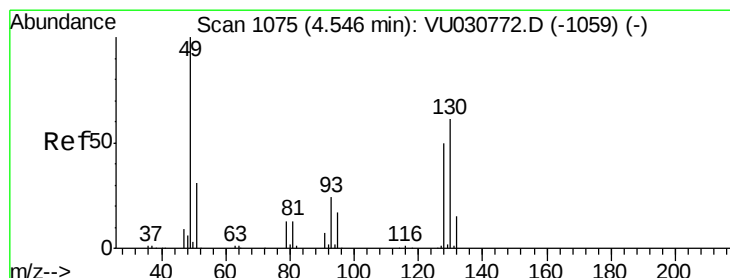
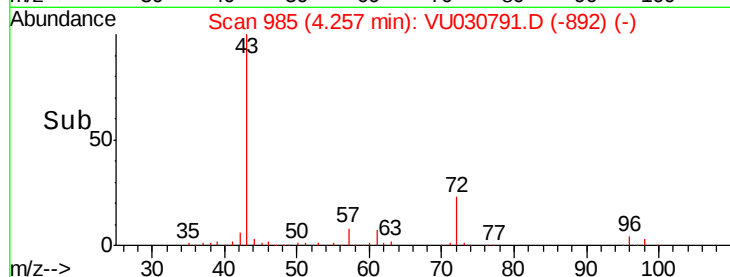
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 51.433 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Tgt Ion: 128 Resp: 98724

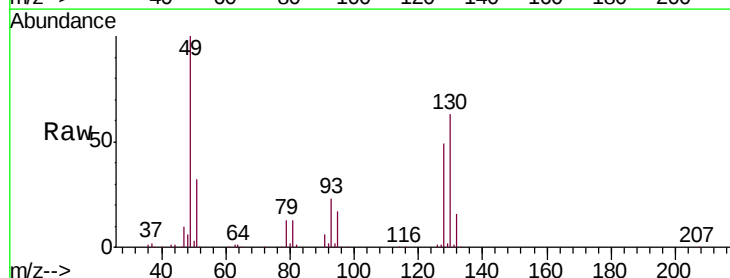
Ion Ratio Lower Upper

128 100

49 204.5 139.9 259.7

130 128.5 86.6 160.8

51 65.3 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU030772.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU030772.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU030772.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU030772.D (-1059) (-)

4.54

120000

100000

80000

60000

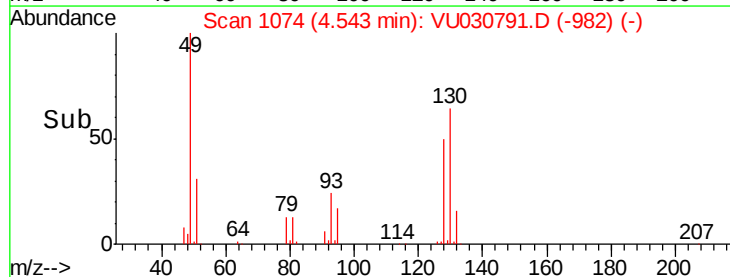
40000

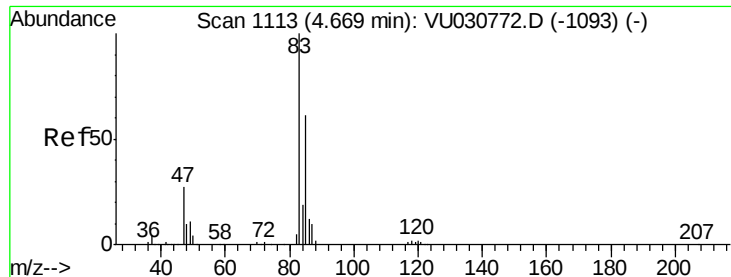
20000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 50.401 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

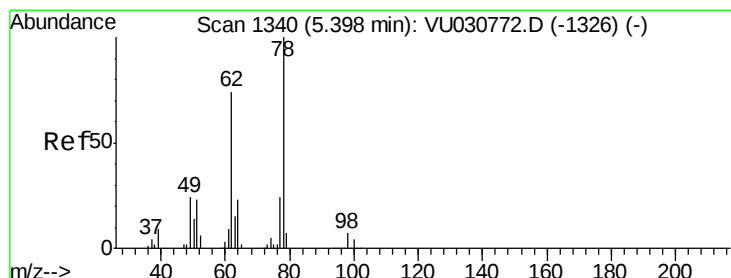
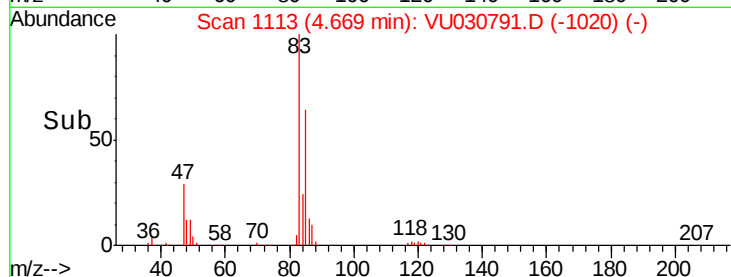
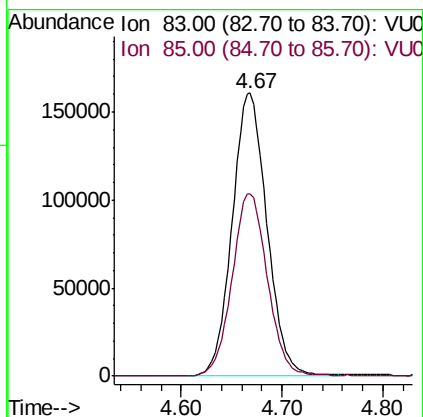
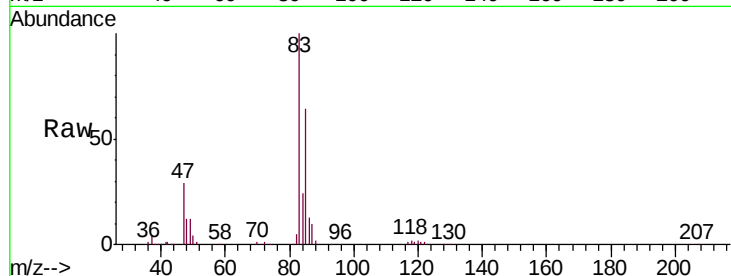
VSTD05096

Tgt Ion: 83 Resp: 384399

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 51.746 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU030791.D

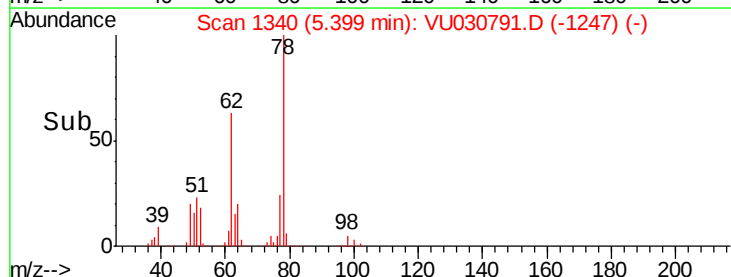
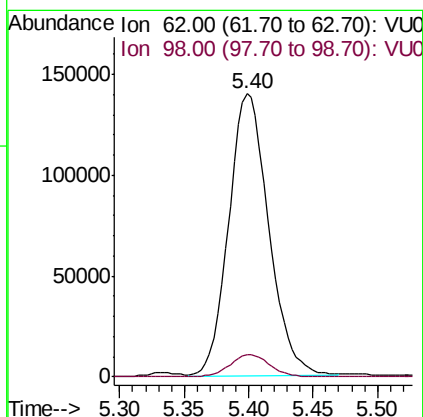
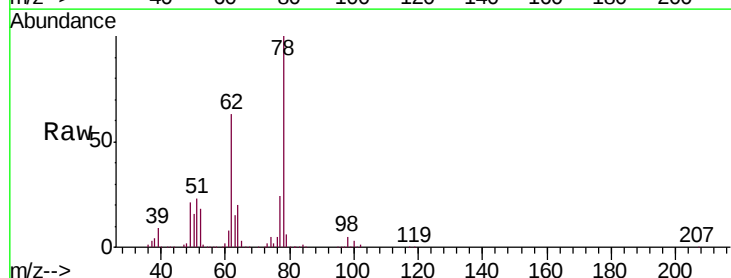
Acq: 06 Apr 2019 10:59

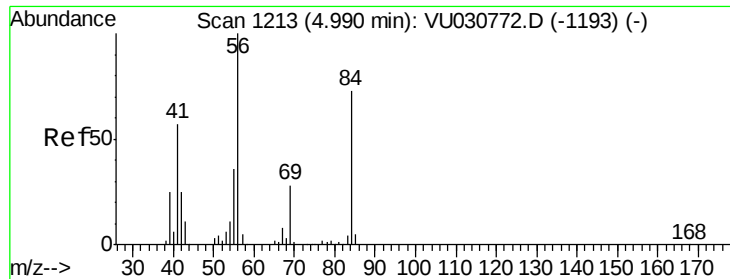
Tgt Ion: 62 Resp: 301219

Ion Ratio Lower Upper

62 100

98 7.8 7.2 10.8

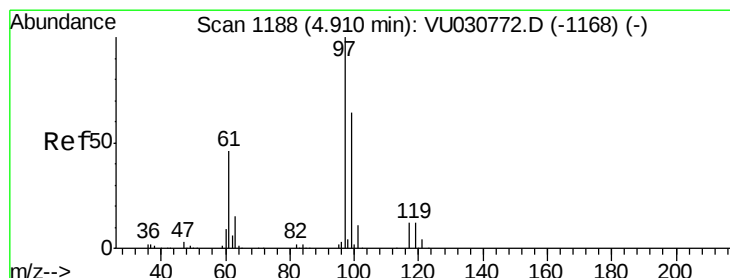
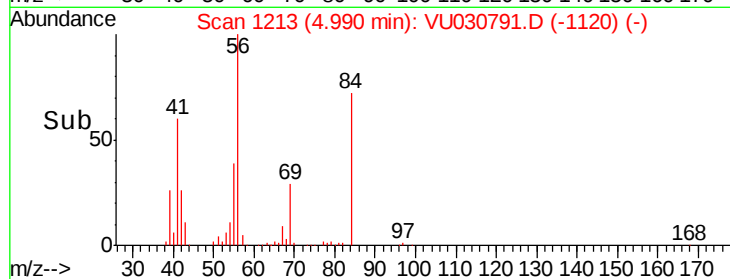
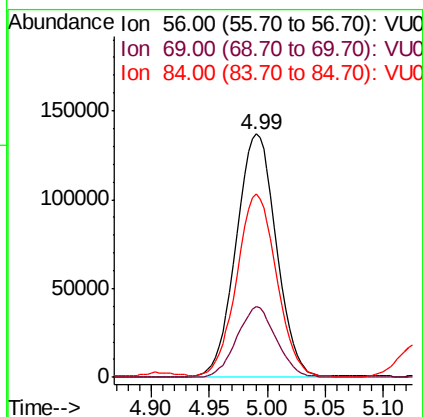
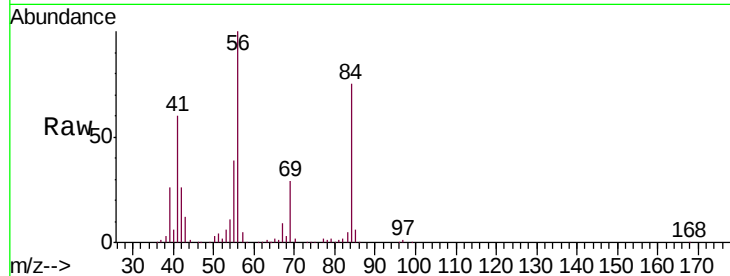




#29
Cyclohexane
Concen: 48.790 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU030791.D
Acq: 06 Apr 2019 10:59

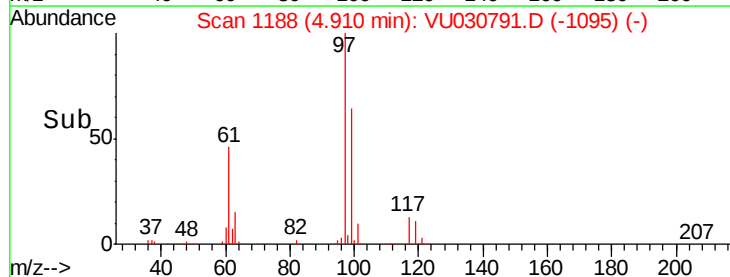
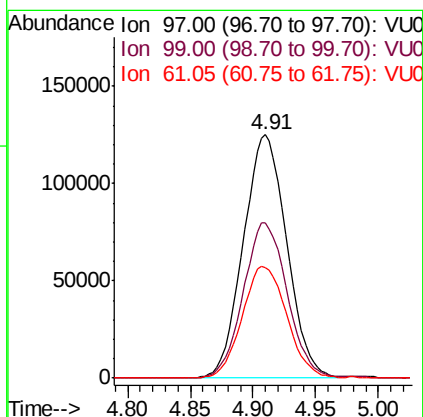
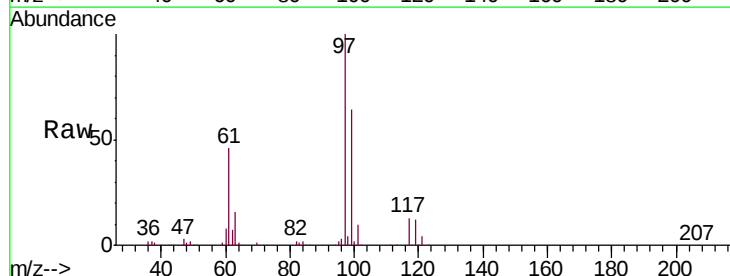
Instrument :
MSVOA_U
ClientSampleId :
VSTD05096

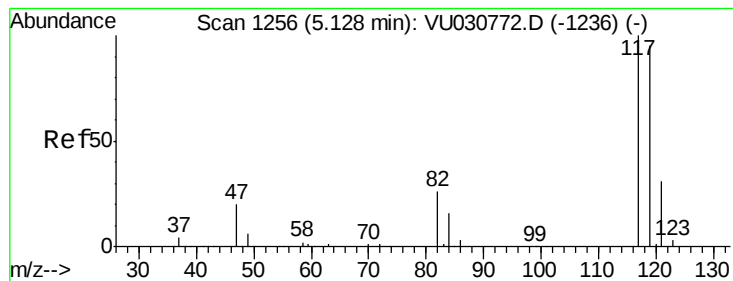
Tgt Ion: 56 Resp: 331326
Ion Ratio Lower Upper
56 100
69 28.5 22.0 33.0
84 74.2 58.2 87.2



#30
1,1,1-Trichloroethane
Concen: 52.000 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030791.D
Acq: 06 Apr 2019 10:59

Tgt Ion: 97 Resp: 301945
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 47.2 37.1 55.7





#31

Carbon tetrachloride

Concen: 52.004 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

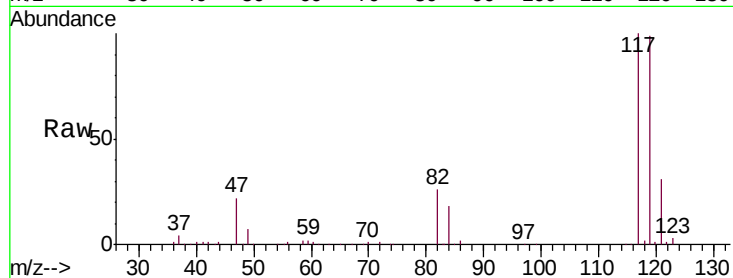
VSTD05096

Tgt Ion:117 Resp: 260219

Ion Ratio Lower Upper

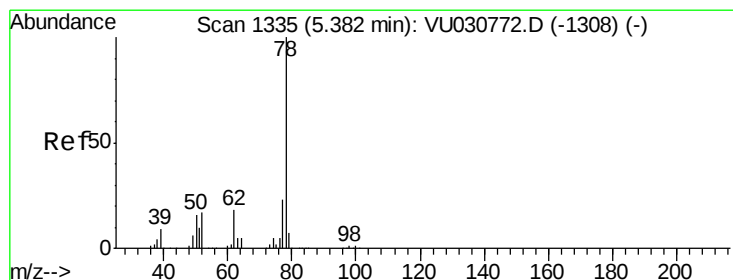
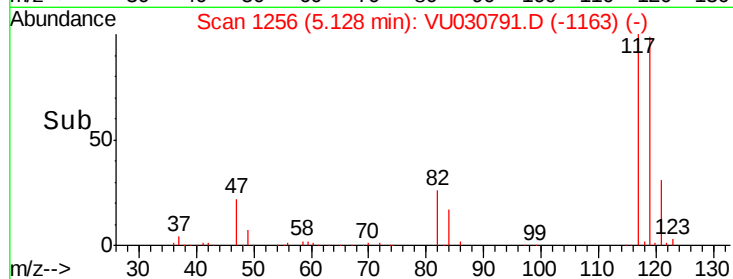
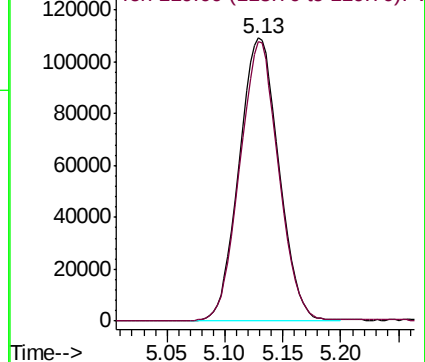
117 100

119 96.1 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.280 ug/L

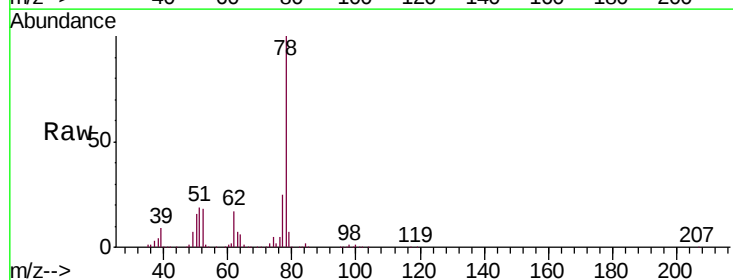
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

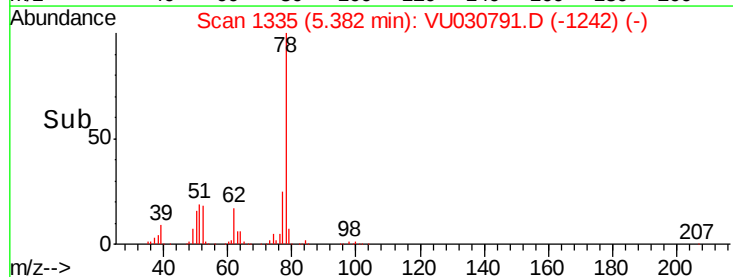
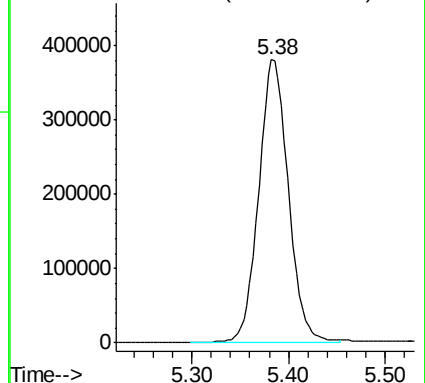
Lab File: VU030791.D

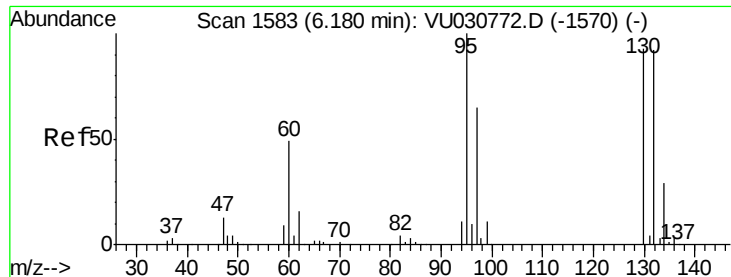
Acq: 06 Apr 2019 10:59

Tgt Ion: 78 Resp: 815140



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.445 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05096

Tgt Ion: 95 Resp: 196734

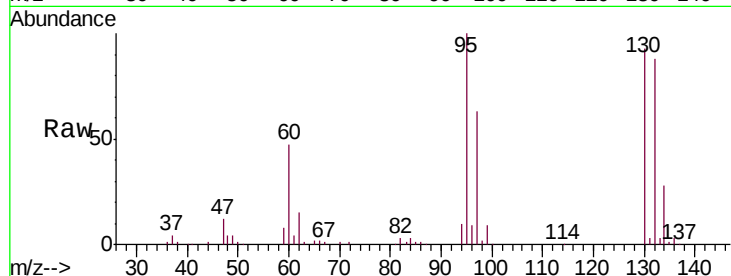
Ion Ratio Lower Upper

95 100

97 63.0 44.5 82.7

132 88.3 61.5 114.1

130 92.9 64.9 120.5



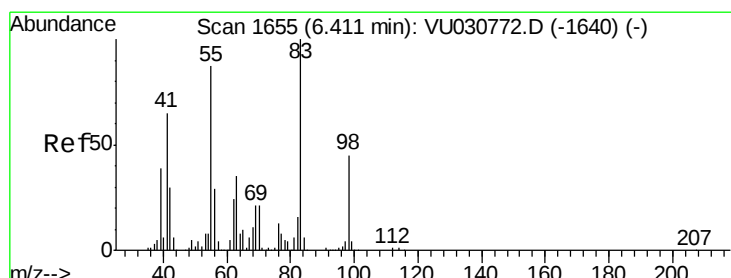
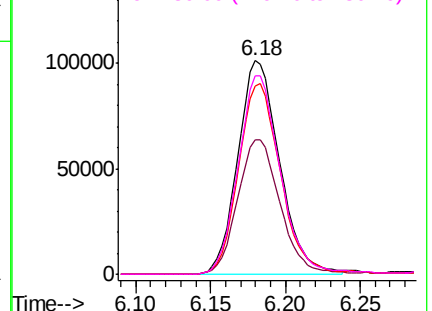
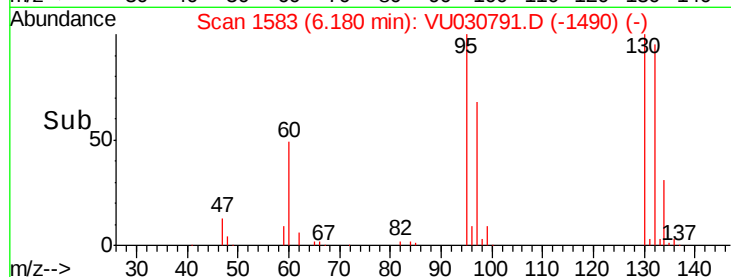
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 47.277 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

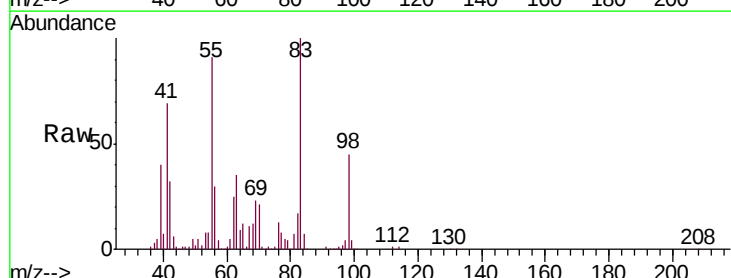
Tgt Ion: 83 Resp: 279018

Ion Ratio Lower Upper

83 100

55 91.9 71.6 107.4

98 45.0 35.4 53.0

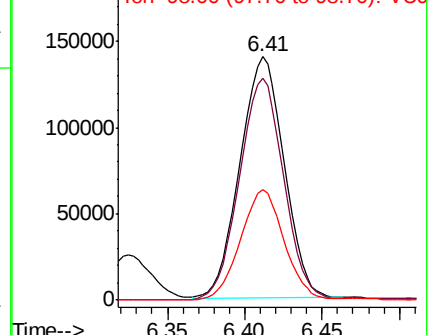
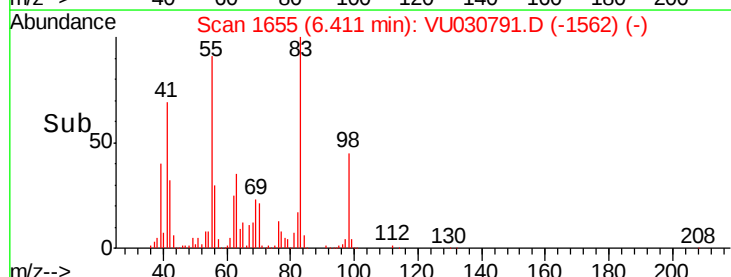


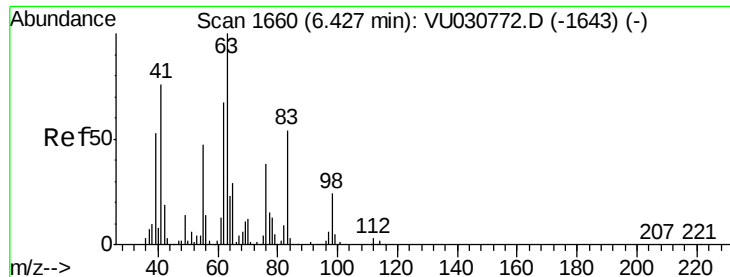
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

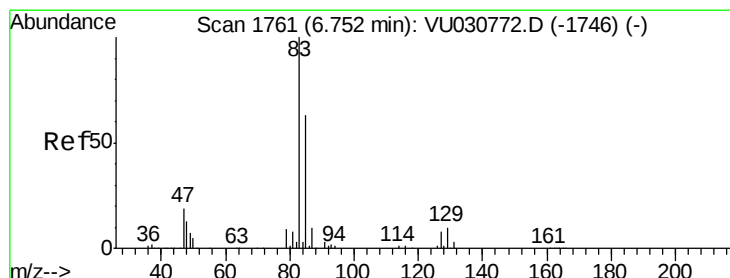
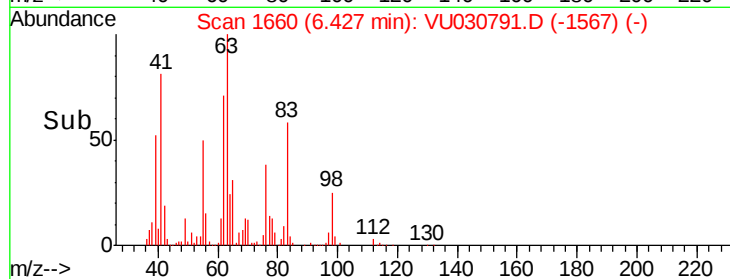
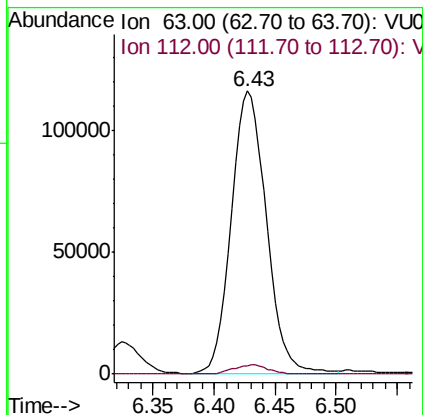
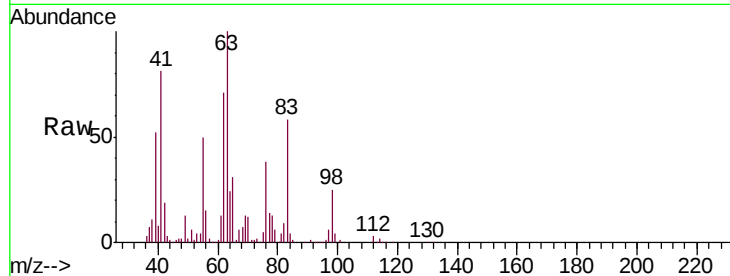




#37
 1,2-Dichloropropane
 Concen: 52.373 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

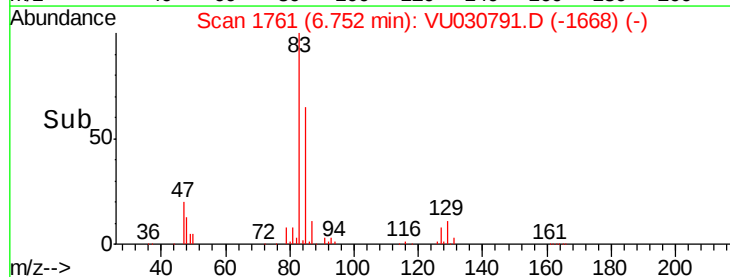
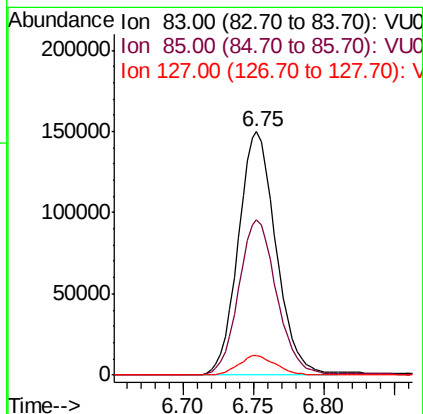
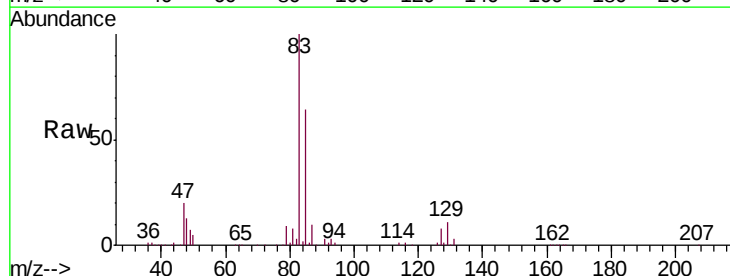
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05096

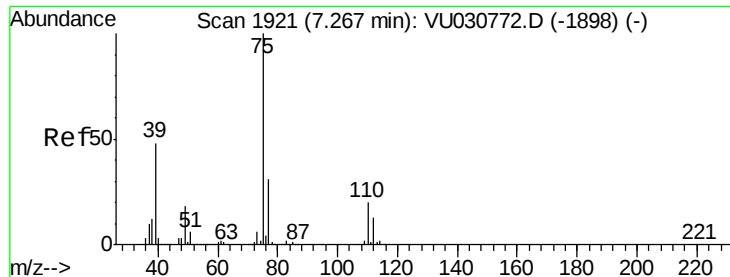
Tgt Ion: 63 Resp: 231226
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.0 4.4



#38
 Bromodichloromethane
 Concen: 52.519 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Tgt Ion: 83 Resp: 279725
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.5 86.3
 127 8.2 6.6 10.0

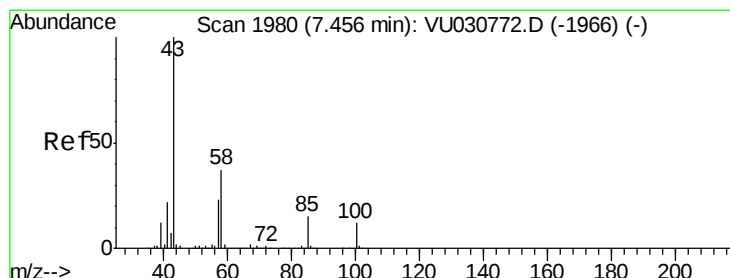
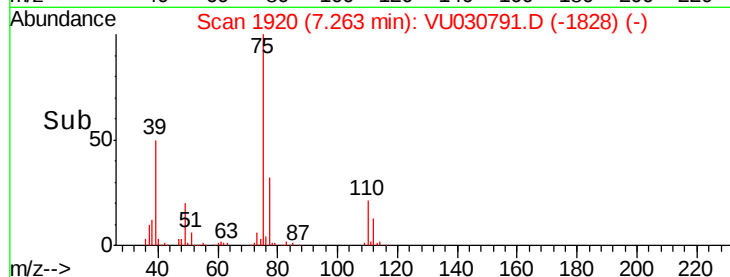
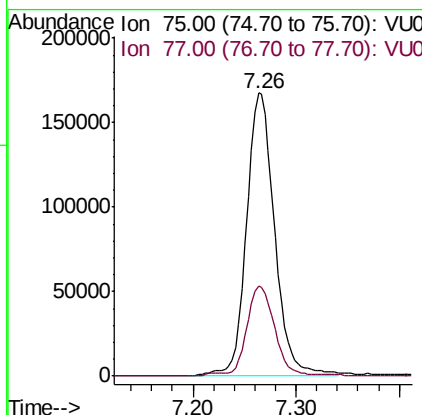
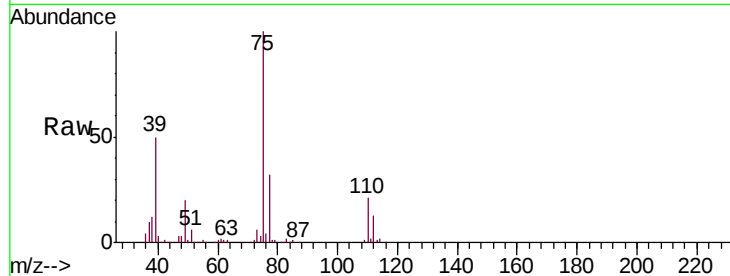




#39
 cis-1,3-Dichloropropene
 Concen: 50.608 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

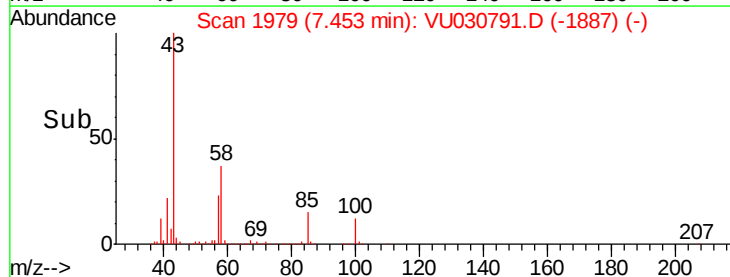
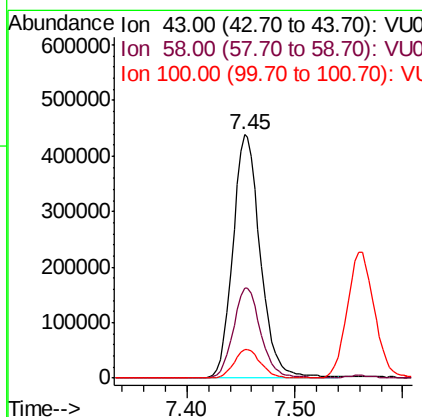
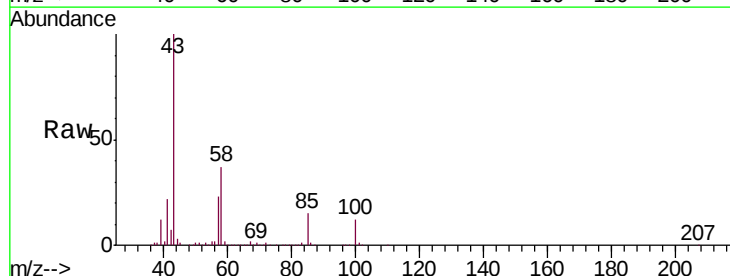
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05096

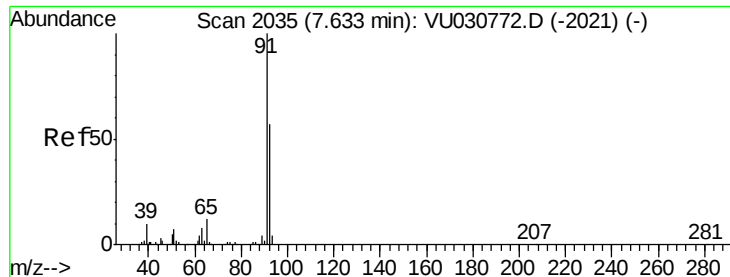
Tgt Ion: 75 Resp: 318027
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 109.788 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Tgt Ion: 43 Resp: 779460
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.7 44.5
 100 11.6 9.8 14.6





#42

Toluene

Concen: 52.809 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

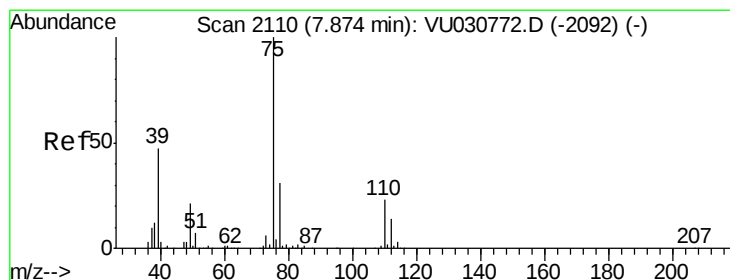
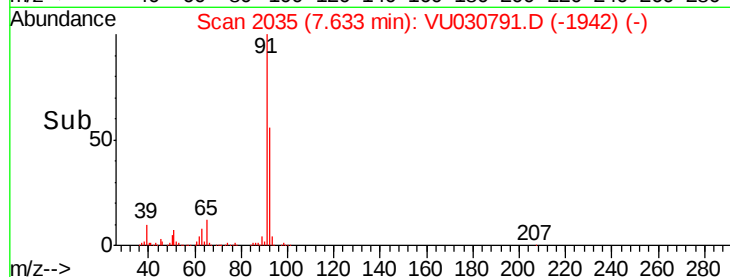
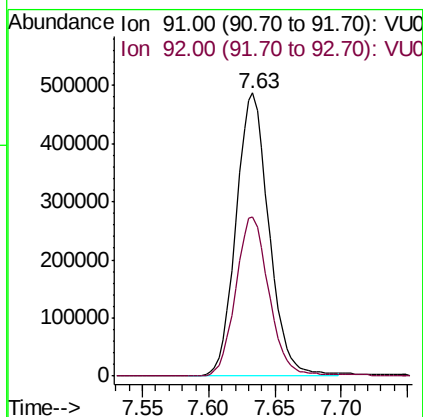
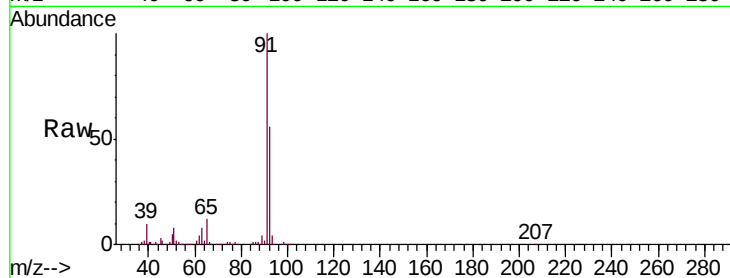
VSTD05096

Tgt Ion: 91 Resp: 840491

Ion Ratio Lower Upper

91 100

92 56.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 51.745 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU030791.D

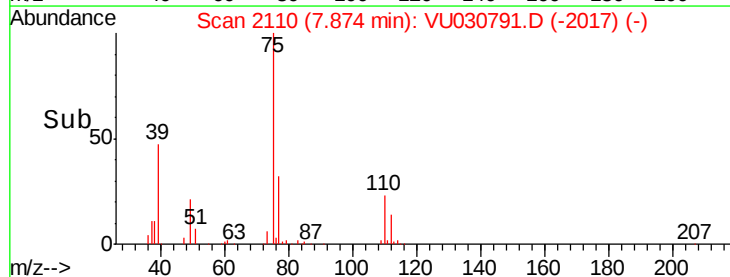
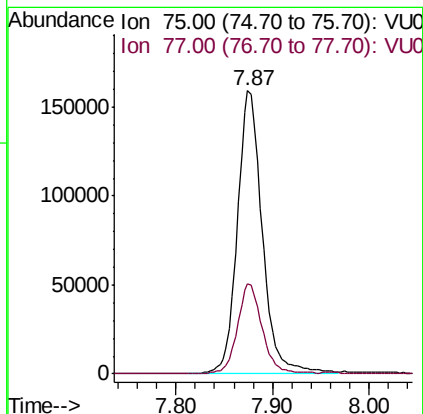
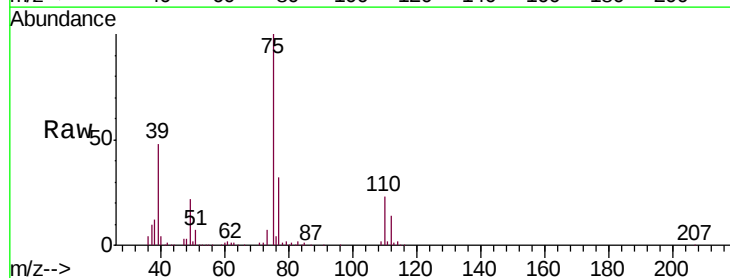
Acq: 06 Apr 2019 10:59

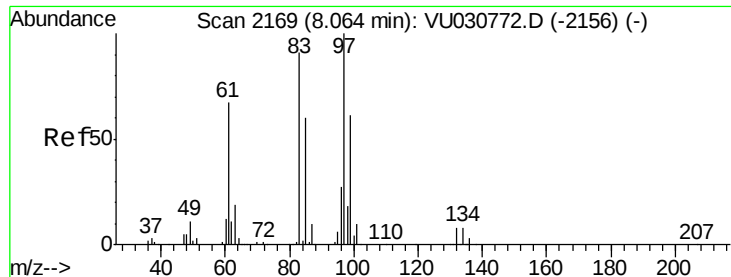
Tgt Ion: 75 Resp: 286561

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.0

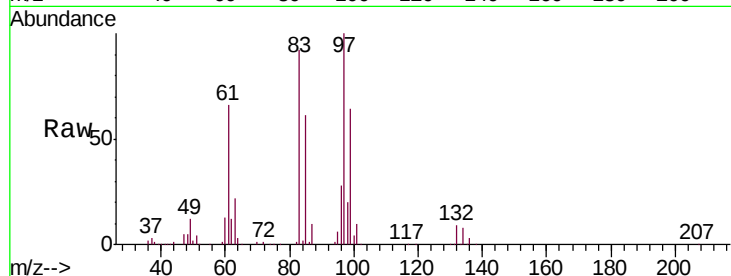




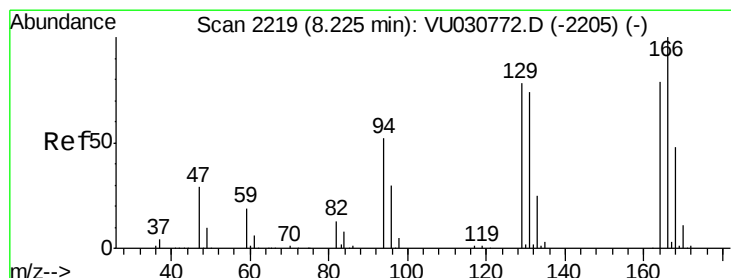
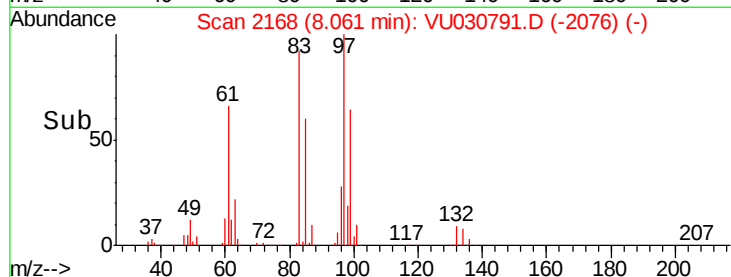
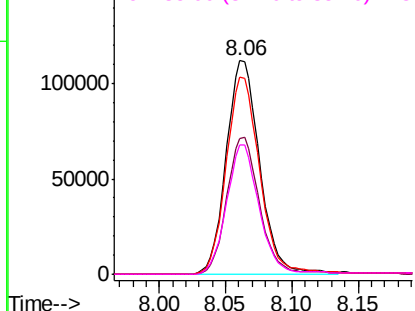
#45
 1,1,2-Trichloroethane
 Concen: 52.543 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05096

Tgt Ion:	97	Resp:	196739
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.0	81.8
83	92.3	65.3	121.3
85	60.6	42.5	78.9

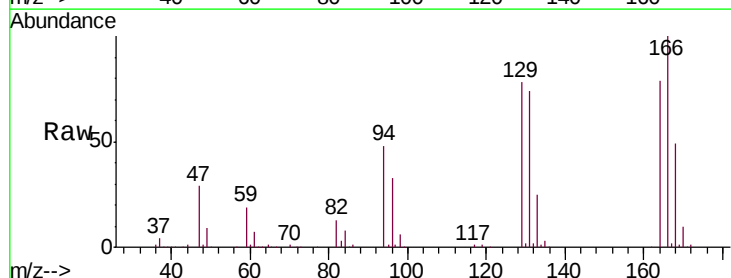


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

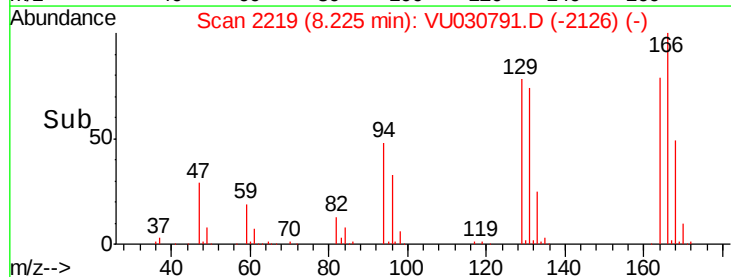
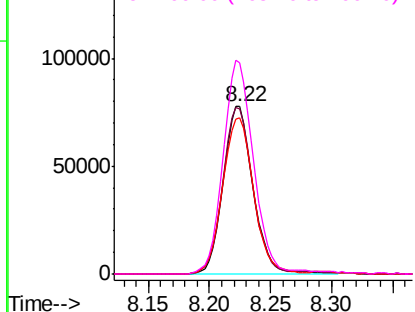


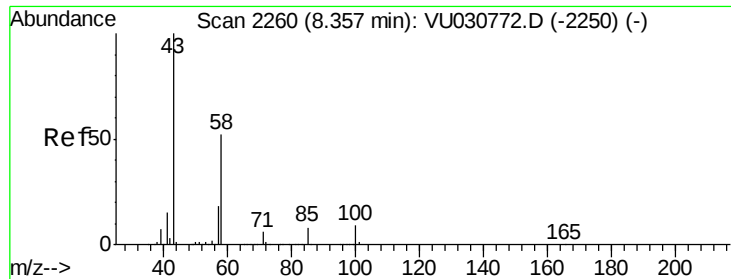
#46
 Tetrachloroethene
 Concen: 48.173 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Tgt Ion:	164	Resp:	133936
Ion	Ratio	Lower	Upper
164	100		
129	98.5	67.4	125.2
131	93.5	65.9	122.5
166	126.2	88.6	164.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

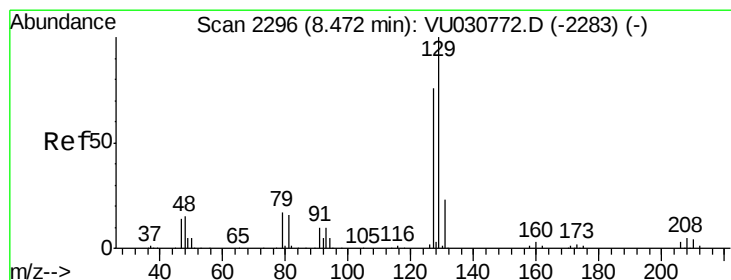
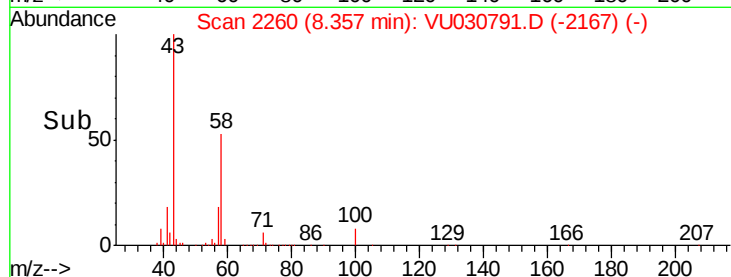
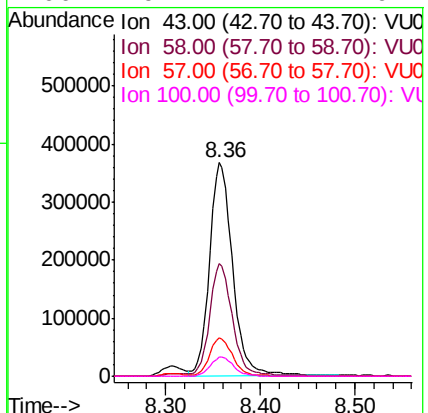
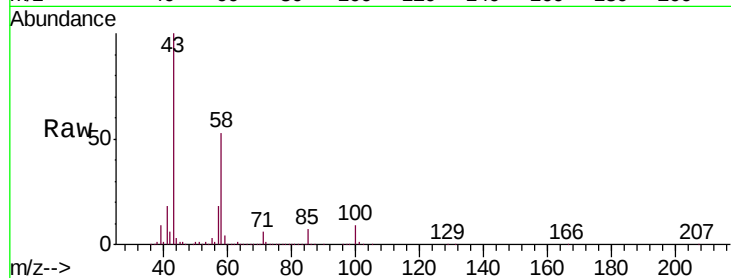




#48
2-Hexanone
Concen: 112.544 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU030791.D
Acq: 06 Apr 2019 10:59

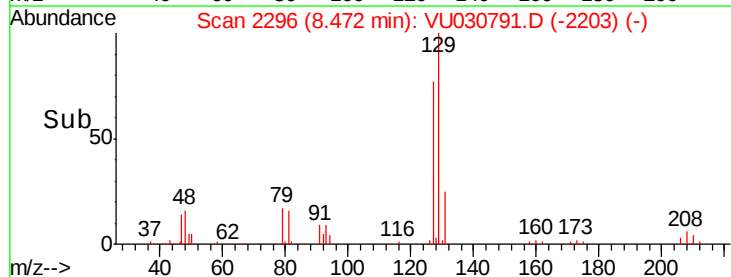
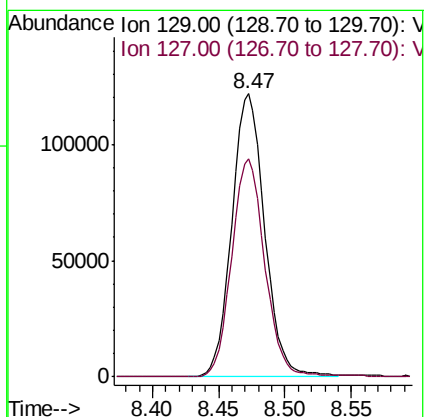
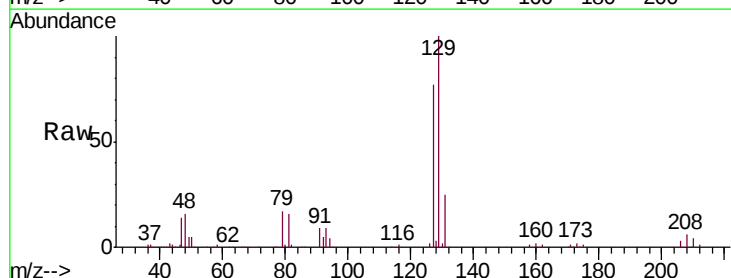
Instrument :
MSVOA_U
ClientSampleId :
VSTD05096

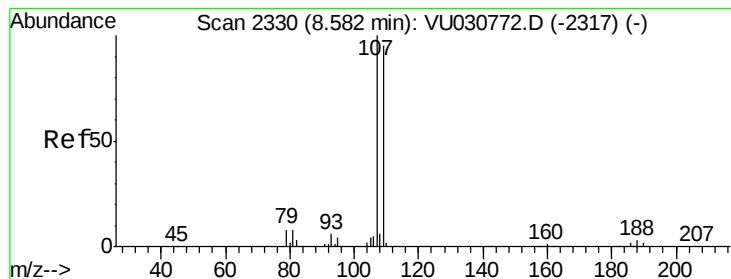
Tgt Ion: 43 Resp: 623391
Ion Ratio Lower Upper
43 100
58 51.6 41.9 62.9
57 17.8 14.3 21.5
100 9.1 7.1 10.7



#49
Dibromochloromethane
Concen: 52.767 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030791.D
Acq: 06 Apr 2019 10:59

Tgt Ion: 129 Resp: 209652
Ion Ratio Lower Upper
129 100
127 77.1 54.5 101.3





#50

1,2-Dibromoethane

Concen: 51.498 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05096

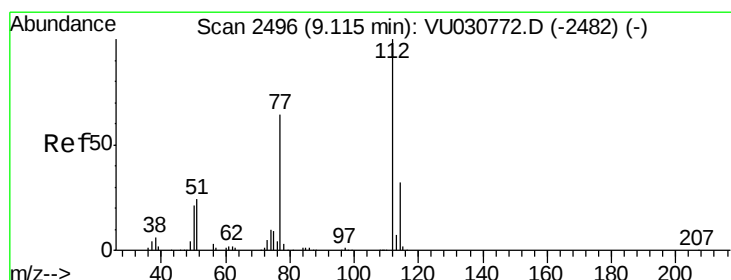
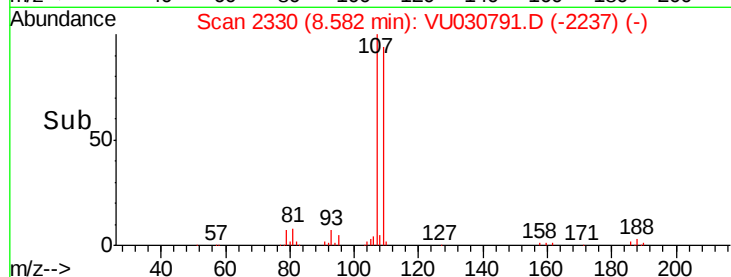
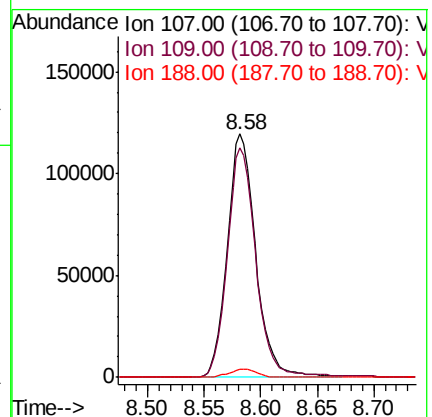
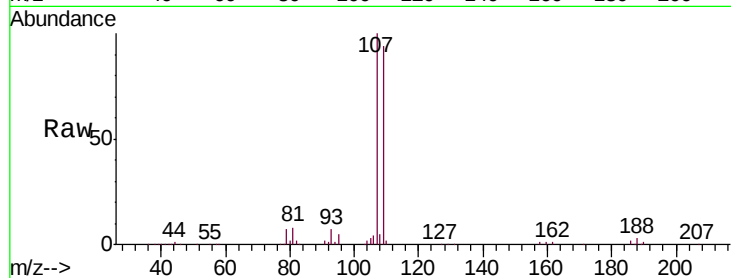
Tgt Ion:107 Resp: 208659

Ion Ratio Lower Upper

107 100

109 94.4 66.4 123.2

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 52.688 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

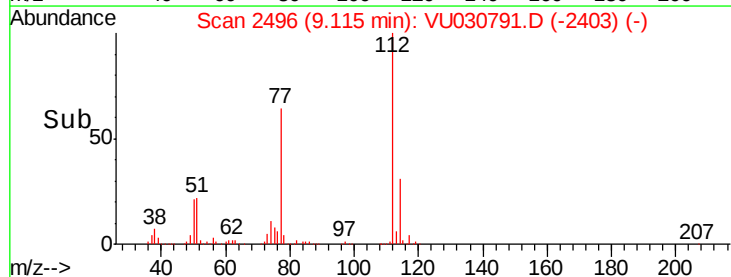
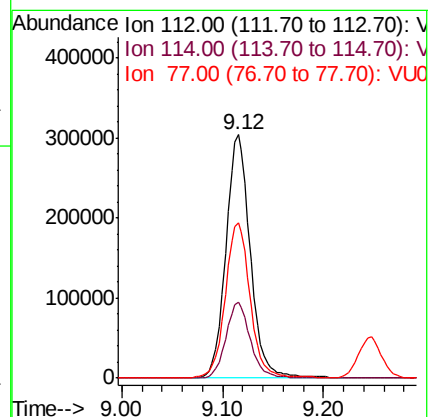
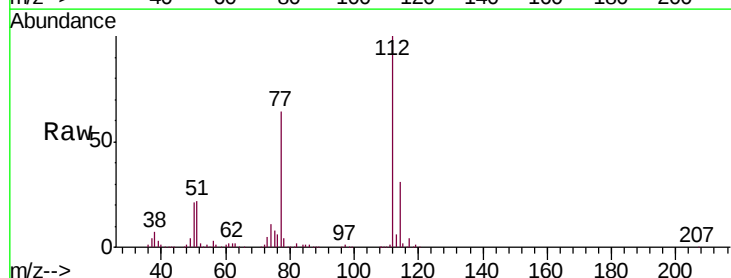
Tgt Ion:112 Resp: 514312

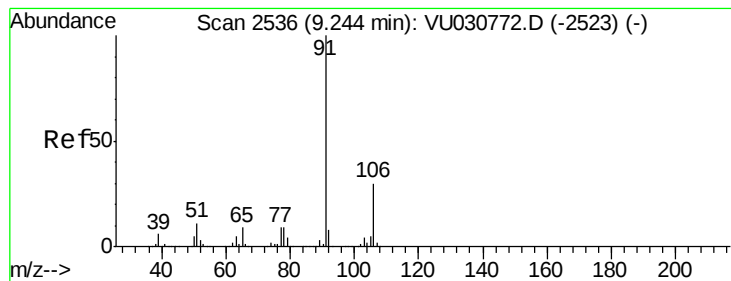
Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

77 63.7 51.7 77.5





#52

Ethylbenzene

Concen: 51.919 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

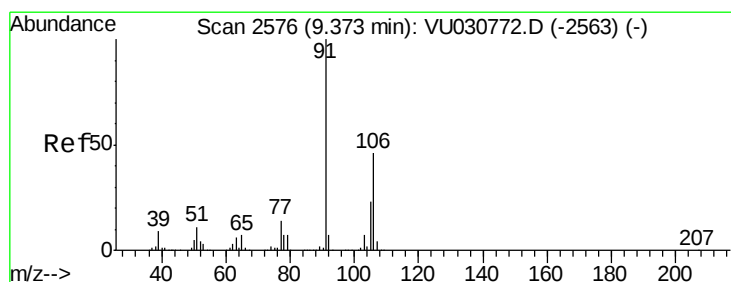
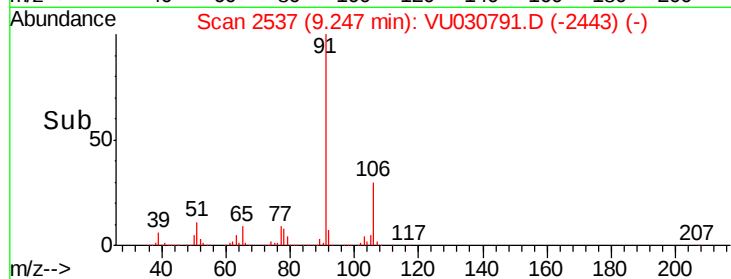
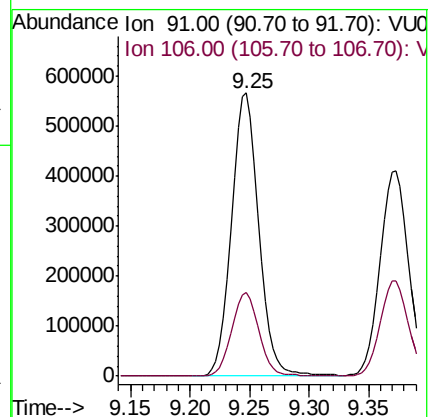
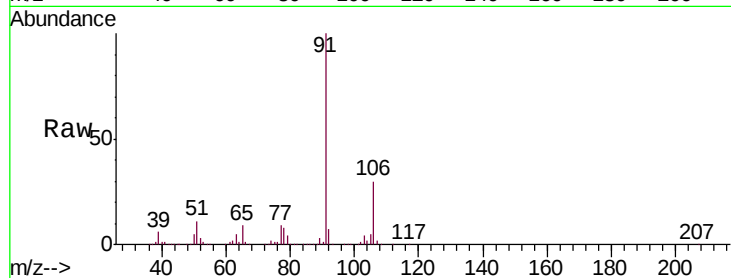
VSTD05096

Tgt Ion: 91 Resp: 900714

Ion Ratio Lower Upper

91 100

106 29.5 20.4 37.8



#53

m,p-Xylene

Concen: 51.759 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030791.D

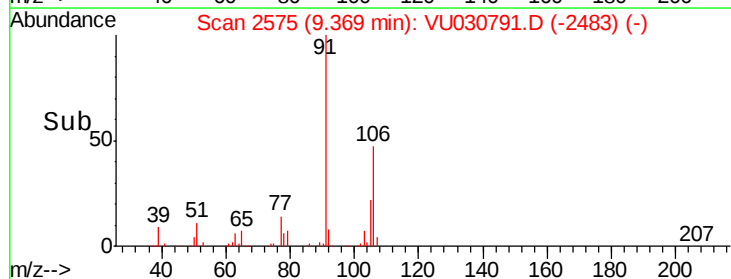
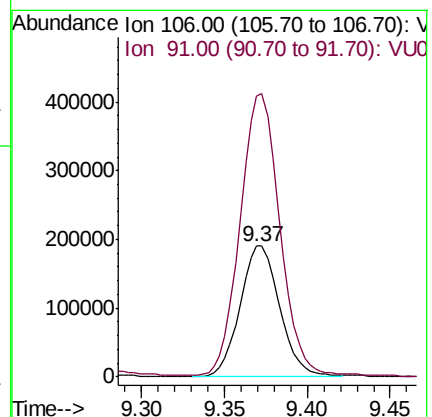
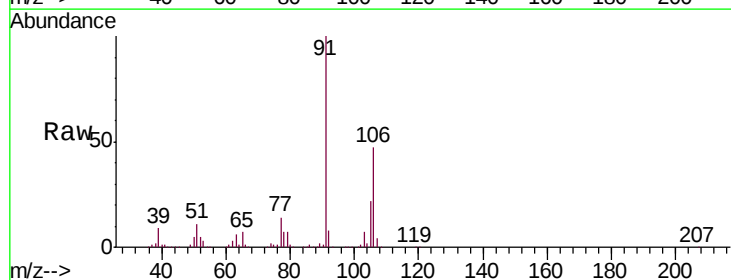
Acq: 06 Apr 2019 10:59

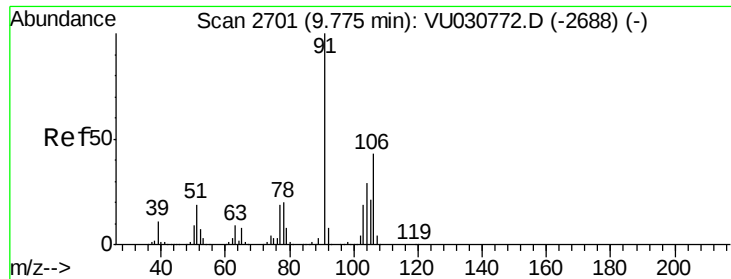
Tgt Ion: 106 Resp: 313173

Ion Ratio Lower Upper

106 100

91 215.0 148.0 274.8





#54

o-xylene

Concen: 52.350 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

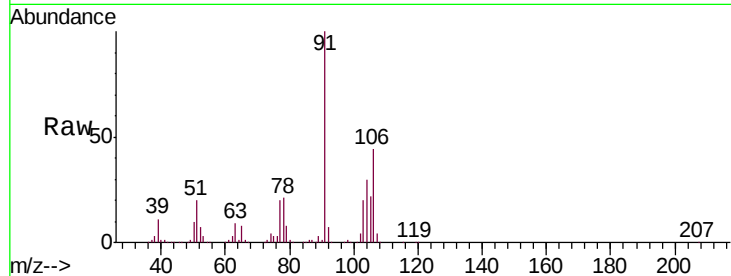
VSTD05096

Tgt Ion:106 Resp: 315066

Ion Ratio Lower Upper

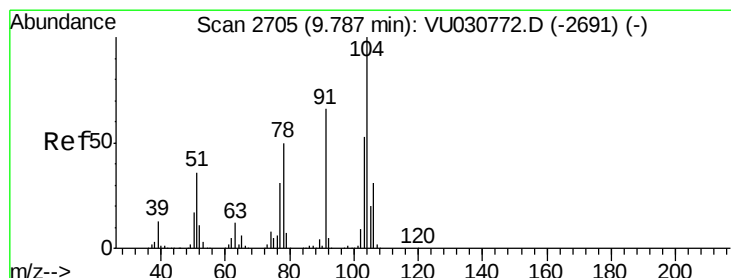
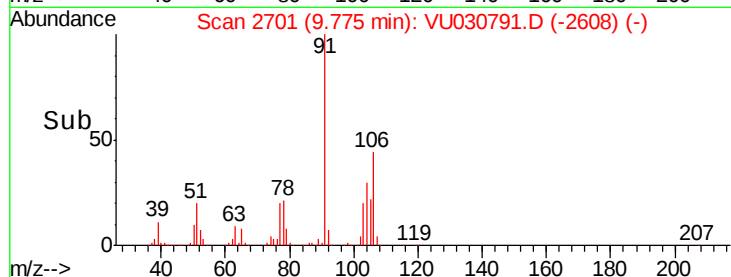
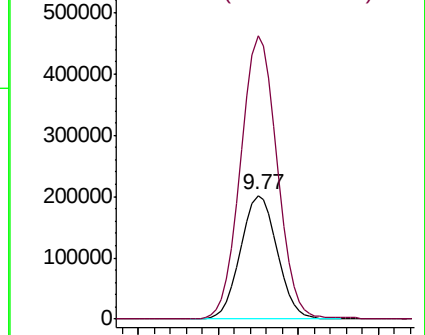
106 100

91 228.5 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.071 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030791.D

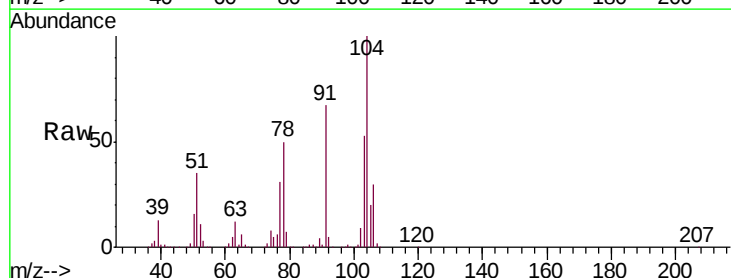
Acq: 06 Apr 2019 10:59

Tgt Ion:104 Resp: 558189

Ion Ratio Lower Upper

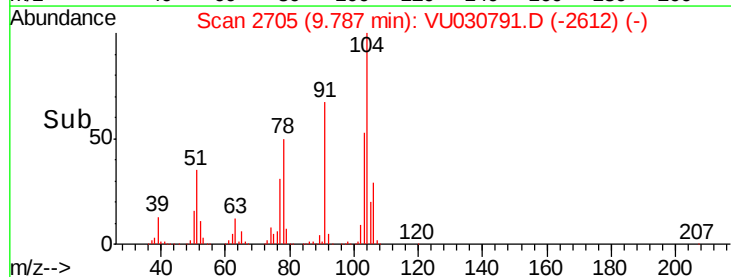
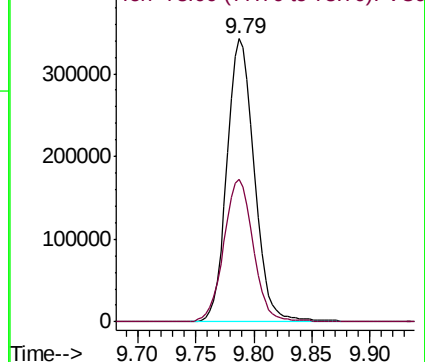
104 100

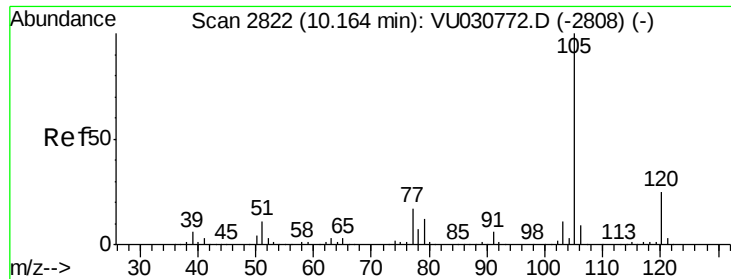
78 50.2 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.594 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05096

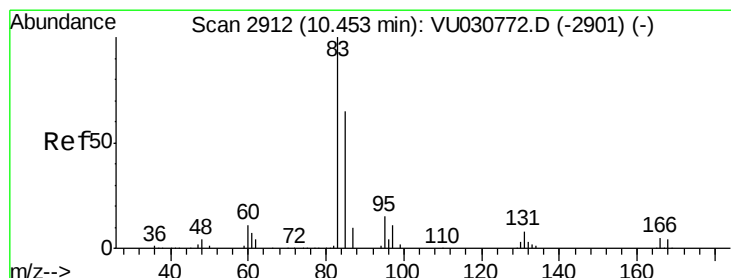
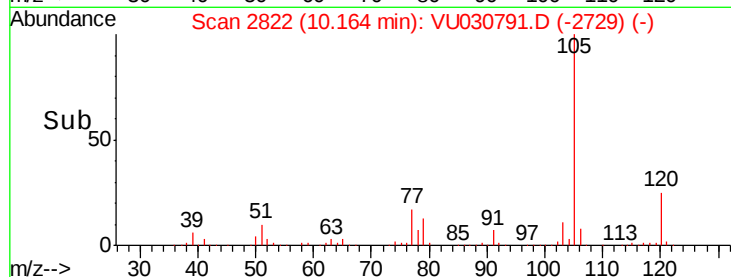
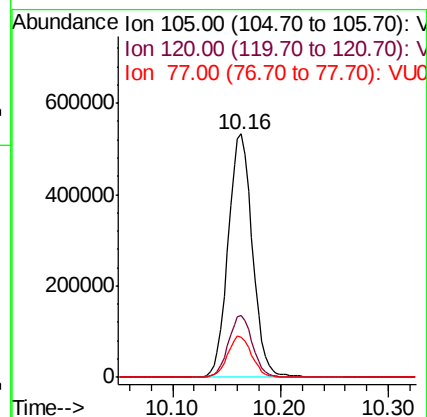
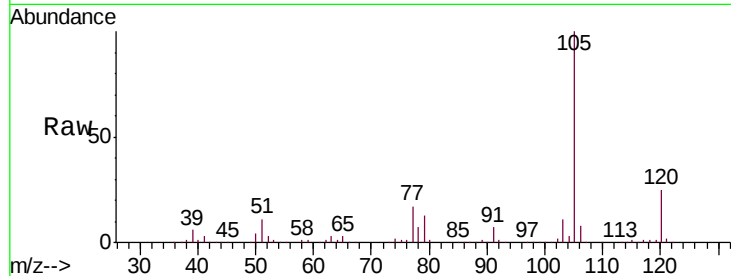
Tgt Ion: 105 Resp: 833380

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

77 16.9 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 51.567 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

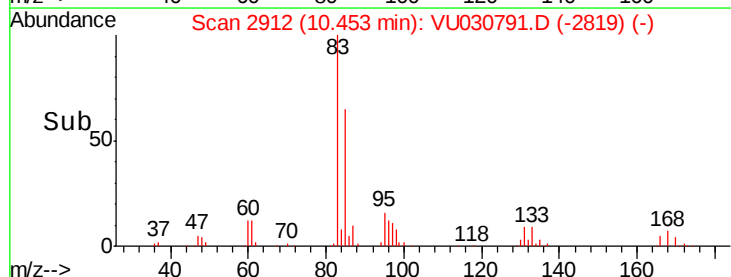
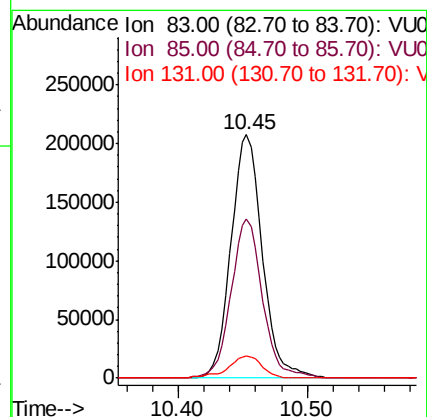
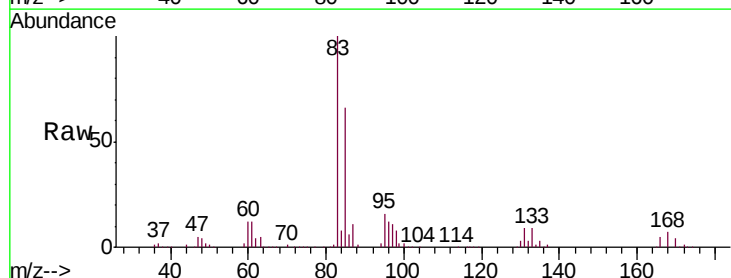
Tgt Ion: 83 Resp: 349248

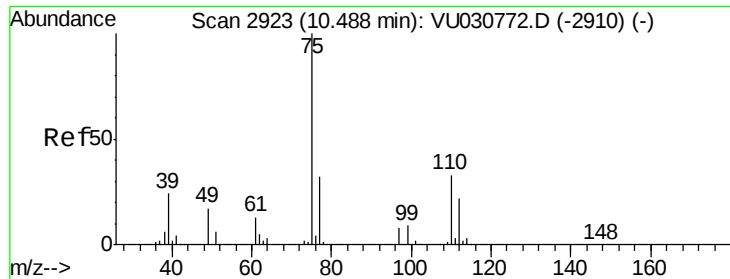
Ion Ratio Lower Upper

83 100

85 65.6 45.3 84.1

131 9.1 6.7 10.1





#59

1,2,3-Trichloropropane

Concen: 53.038 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

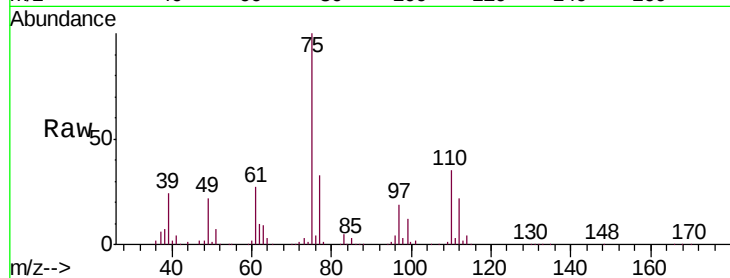
VSTD05096

Tgt Ion: 75 Resp: 280448

Ion Ratio Lower Upper

75 100

77 32.9 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU030772.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU030772.D (-2910) (-)

10.49

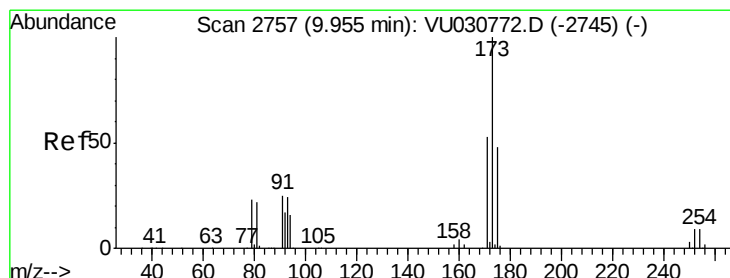
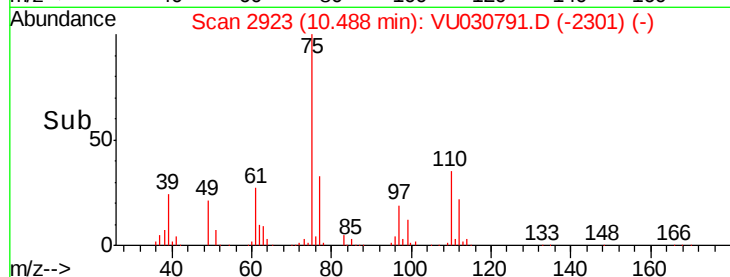
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 51.412 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

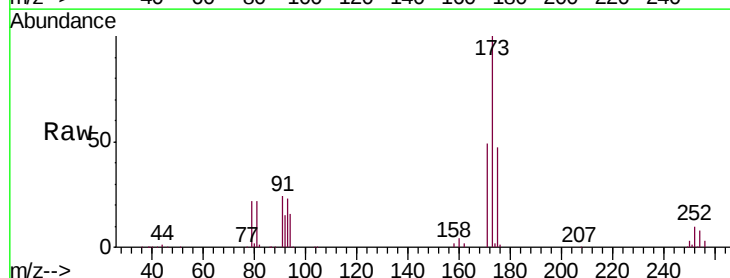
Tgt Ion: 173 Resp: 153100

Ion Ratio Lower Upper

173 100

175 47.3 39.1 58.7

254 8.0 7.3 10.9



Abundance Ion 173.00 (172.70 to 173.70): VU030772.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU030772.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU030772.D (-2745) (-)

9.95

120000

100000

80000

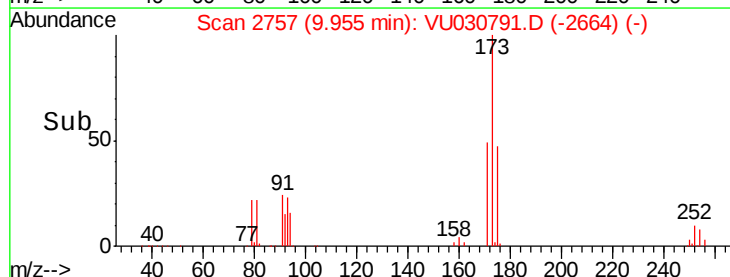
60000

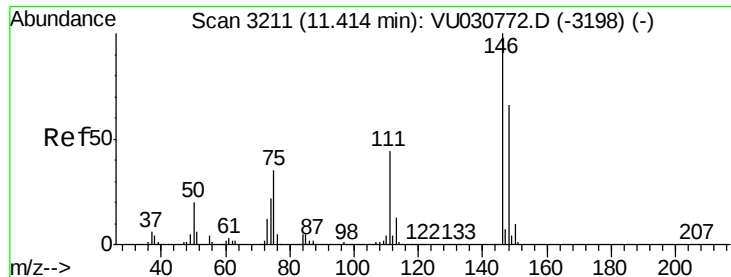
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.610 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05096

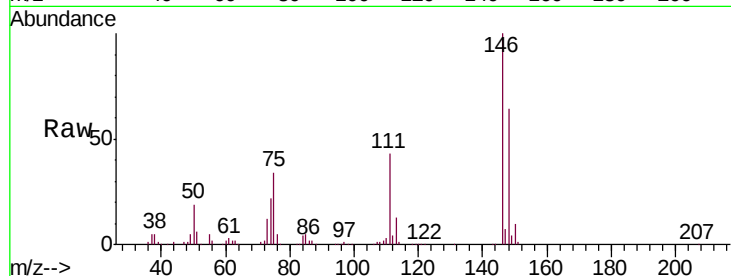
Tgt Ion:146 Resp: 353442

Ion Ratio Lower Upper

146 100

111 42.7 30.9 57.5

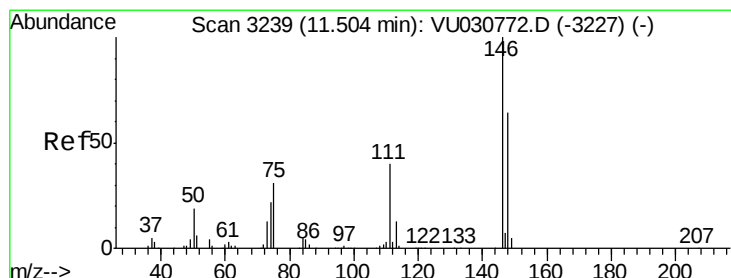
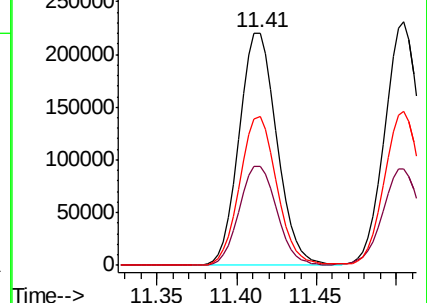
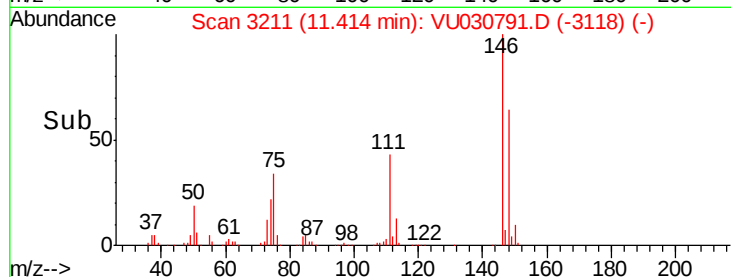
148 63.9 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.786 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

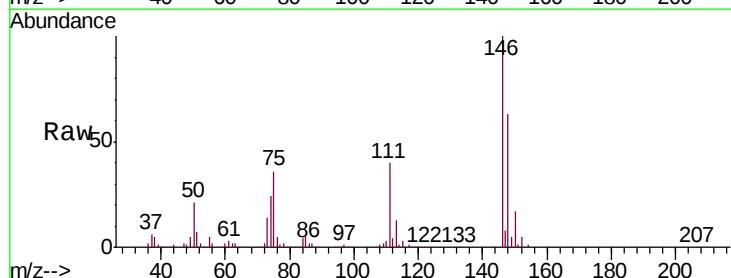
Tgt Ion:146 Resp: 368041

Ion Ratio Lower Upper

146 100

111 39.5 27.7 51.5

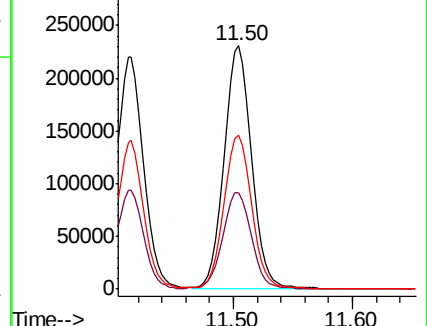
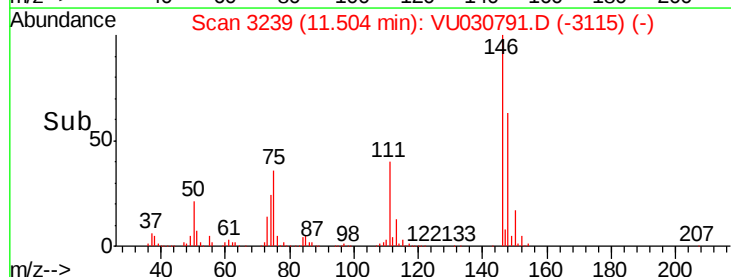
148 63.2 45.4 84.4

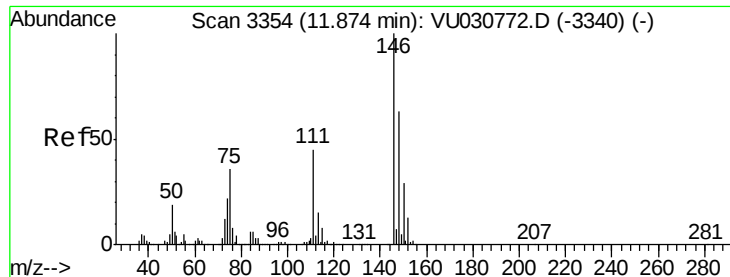


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

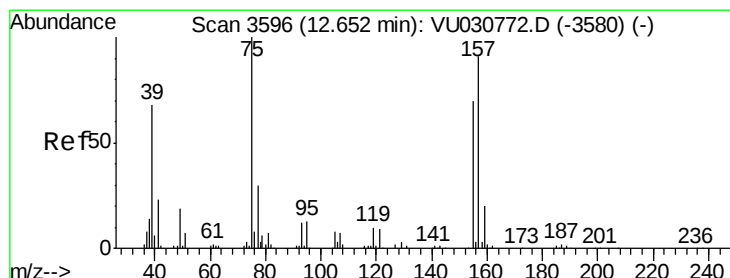
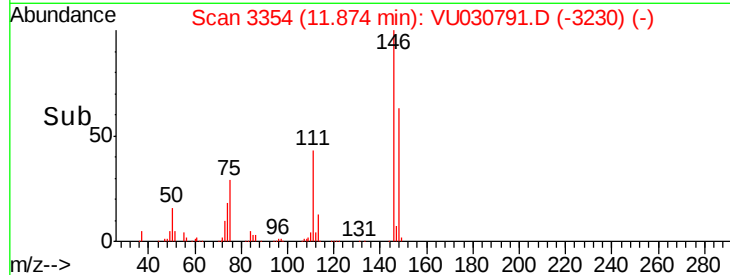
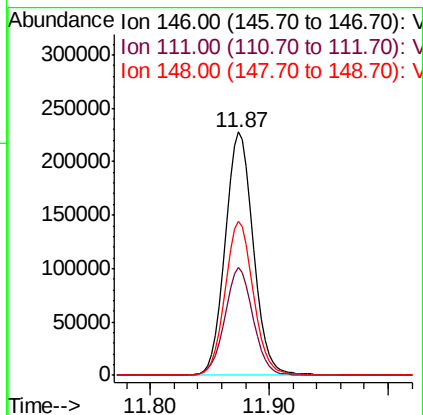
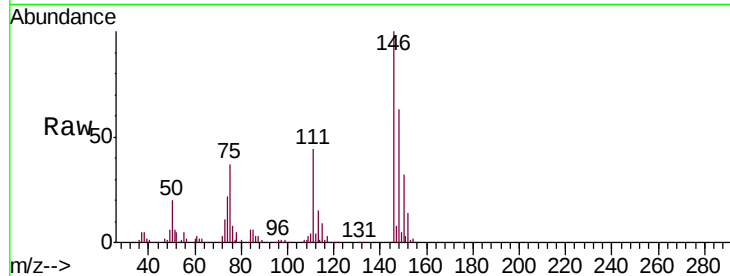




#65
 1,2-Dichlorobenzene
 Concen: 52.069 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

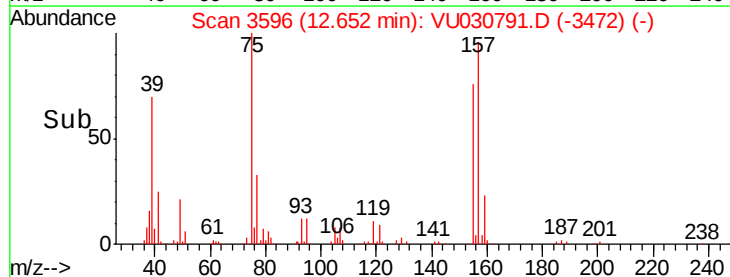
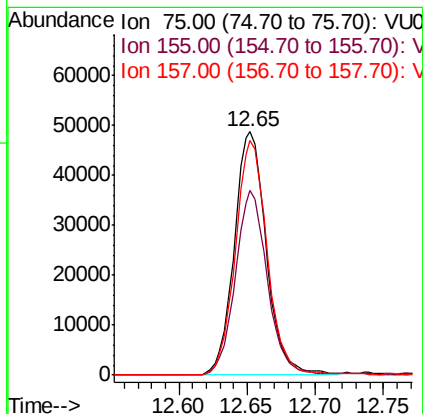
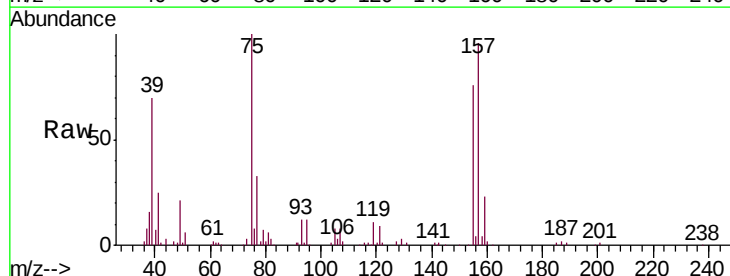
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05096

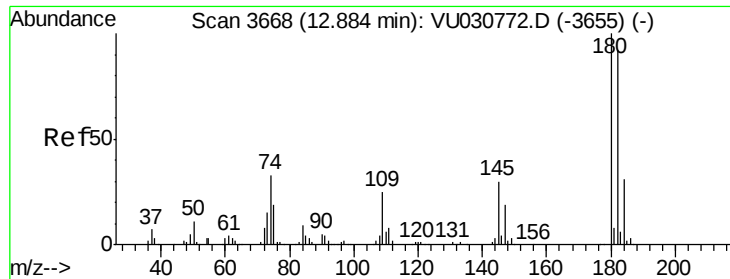
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	34.9	52.3
148	63.5	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.370 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	64.1	96.1
157	96.3	80.6	120.8

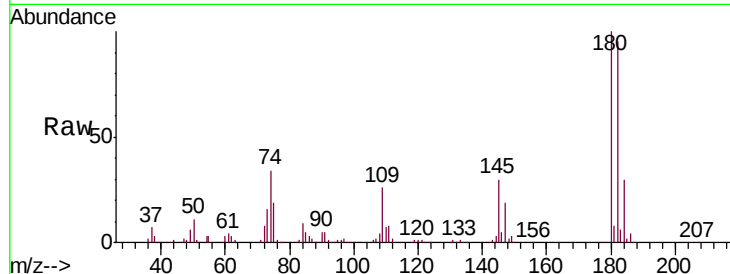




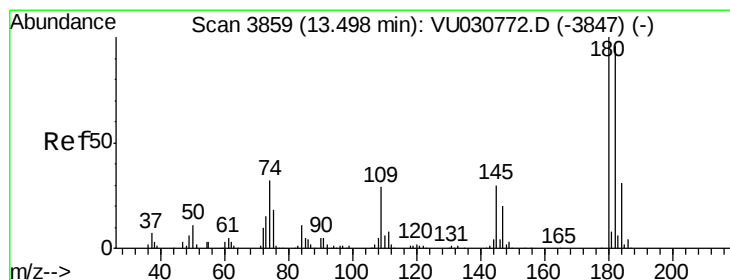
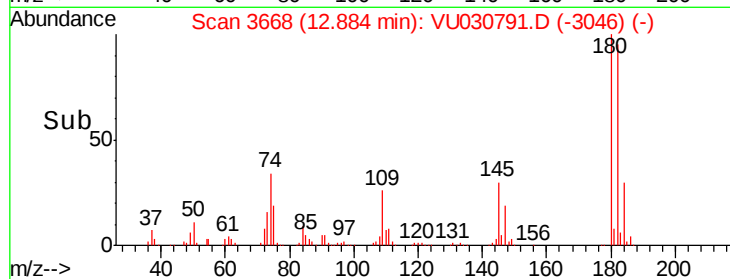
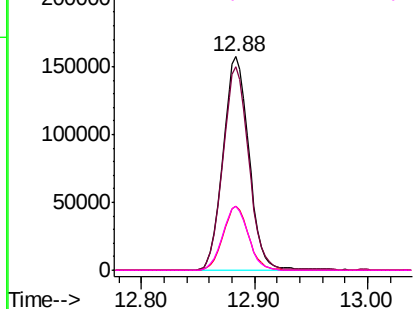
#67
 1,3,5-Trichlorobenzene
 Concen: 48.174 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05096

Tgt Ion:180 Resp: 250824
 Ion Ratio Lower Upper
 180 100
 182 94.2 78.3 117.5
 184 29.3 24.7 37.1
 145 29.3 24.2 36.4

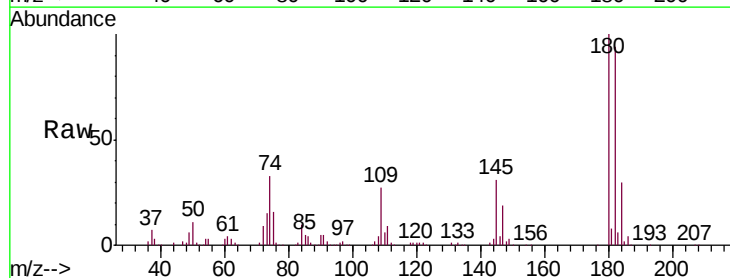


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

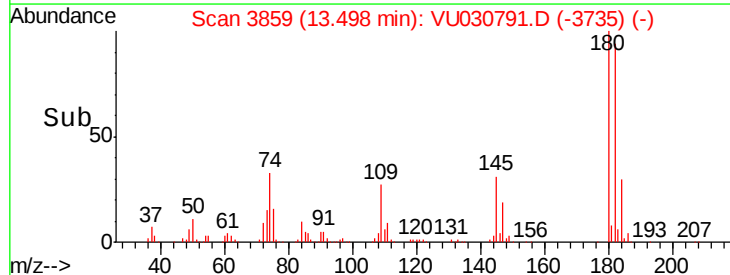
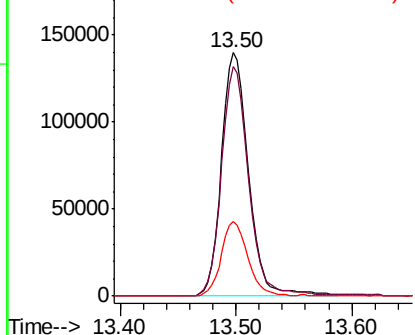


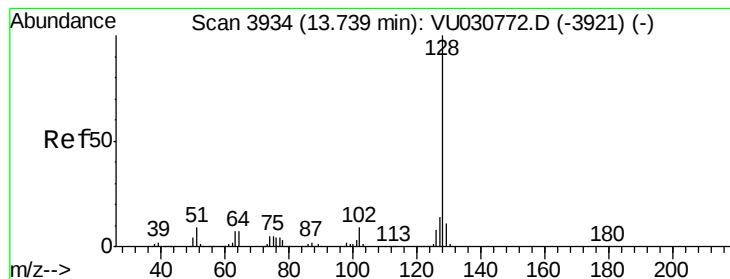
#68
 1,2,4-trichlorobenzene
 Concen: 51.164 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030791.D
 Acq: 06 Apr 2019 10:59

Tgt Ion:180 Resp: 226500
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.7 115.1
 145 29.9 24.4 36.6



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





#69

Naphthalene

Concen: 52.808 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05096

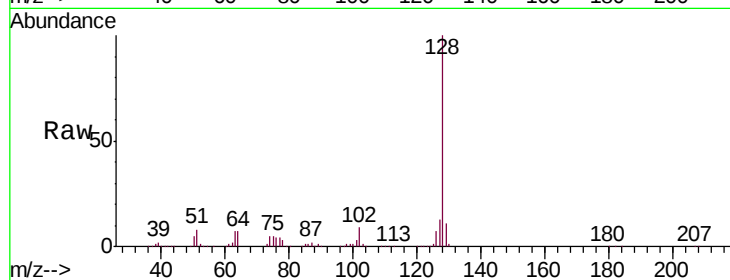
Tgt Ion:128 Resp: 757847

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

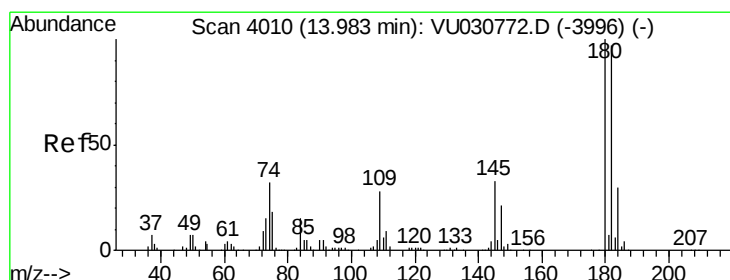
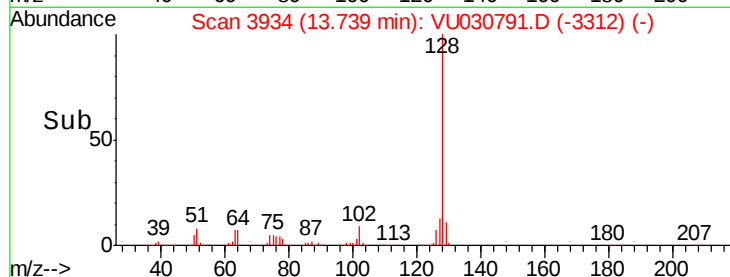
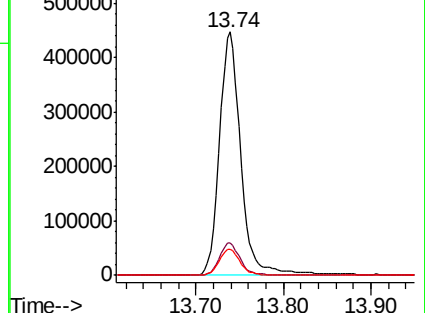
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.338 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030791.D

Acq: 06 Apr 2019 10:59

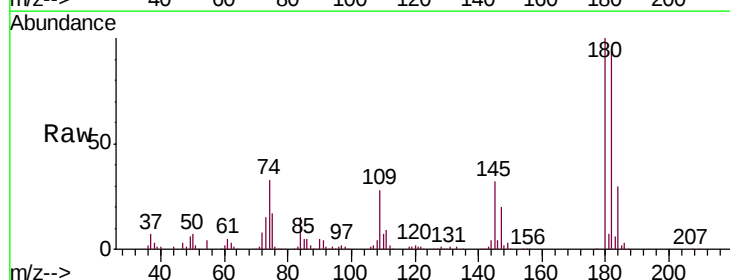
Tgt Ion:180 Resp: 237451

Ion Ratio Lower Upper

180 100

182 93.8 78.1 117.1

145 31.8 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

