

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061719\
 Data File : VD062723.D
 Acq On : 17 Jun 2019 13:40
 Operator : VA/AP
 Sample : K3121-01
 Misc : 5.05g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Quant Time: Jun 17 14:15:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	329062	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	519676	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	157531	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	49128	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	236791	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	6.92	113	226676	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	
50) Toluene-d8	10.44	98	1793762	155.58	ug/l	0.02
Spiked Amount			Recovery	=	311.16%	
62) 4-Bromofluorobenzene	13.58	95	943659	175.44	ug/l	0.02
Spiked Amount			Recovery	=	350.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	553	Below Cal	#	42
5) Bromomethane	2.21	94	2724	1.607	ug/l #	44
10) Methyl Iodide	3.33	142	1608	4.260	ug/l #	24
11) Tert butyl alcohol	4.08	59	310	1.588	ug/l #	61
13) Acrolein	2.94	56	216	3.440	ug/l #	12
15) Acrylonitrile	4.22	53	1188	2.679	ug/l #	31
16) Acetone	3.23	43	114158	131.292	ug/l #	90
18) Methyl Acetate	3.64	43	2079	1.455	ug/l #	64
20) Methylene Chloride	3.81	84	27891	8.120	ug/l #	85
25) 2-Butanone	6.07	43	11042	13.017	ug/l #	61
31) Cyclohexane	6.96	56	878186	234.356	ug/l #	83
36) 1,1-Dichloropropene	7.04	75	26853	4.515	ug/l #	56
37) Ethyl Acetate	6.20	43	1444	1.757	ug/l #	74
38) Carbon Tetrachloride	7.05	117	35896	3.818	ug/l #	16
39) Methylcyclohexane	8.89	83	10178491	2117.741	ug/l	99
40) Benzene	7.46	78	186174	16.028	ug/l	92
43) Isopropyl Acetate	9.31	43	471133	150.126	ug/l #	54
45) 1,2-Dichloropropane	8.88	63	164283	58.884	ug/l #	1
47) Bromodichloromethane	9.32	83	120338	17.863	ug/l #	79
48) Methyl methacrylate	9.17	41	1577430	695.756	ug/l #	67
49) 1,4-Dioxane	8.91	88	618	76.305	ug/l #	1
51) 4-Methyl-2-Pentanone	10.44	43	1430582	651.479	ug/l #	46
52) Toluene	10.53	92	9187128	1176.692	ug/l	94
53) t-1,3-Dichloropropene	10.96	75	8516	1.542	ug/l #	1
55) 1,1,2-Trichloroethane	11.13	97	10059037	3756.810	ug/l #	21
56) Ethyl methacrylate	11.13	69	2574350	739.038	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.82	63	4179	2.920	ug/l #	49
59) 2-Hexanone	11.54	43	13975155	8555.649	ug/l #	37
60) Dibromochloromethane	11.70	129	23179	4.385	ug/l #	41
65) Chlorobenzene	12.37	112	179495	51.512	ug/l #	51
67) Ethyl Benzene	12.55	91	19800677	3204.993	ug/l #	84
68) m/p-Xylenes	12.73	106	23589349	10860.930	ug/l #	27
69) o-Xylene	13.10	106	12870678	6452.368	ug/l #	23
70) Styrene	13.10	104	695838	195.507	ug/l #	1

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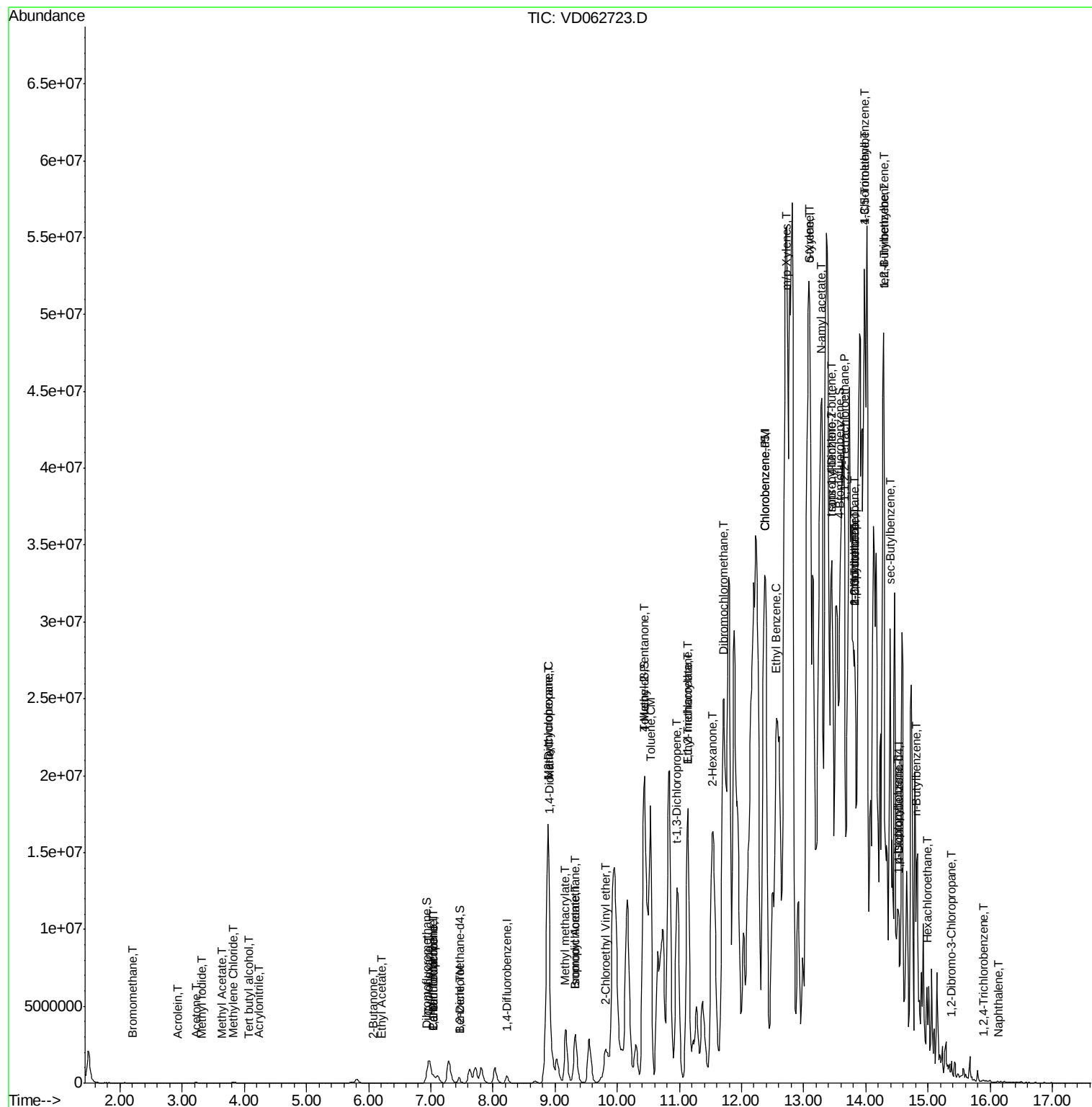
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	13.44	105	11019326	3182.223	ug/l	92
74) N-amyI acetate	13.29	43	17076086	18246.767	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	13.66	83	370857	625.910	ug/l #	79
76) 1,2,3-Trichloropropane	13.81	75	195785	293.915	ug/l #	1
78) n-propylbenzene	13.81	91	20441070	4822.529	ug/l #	68
79) 2-Chlorotoluene	13.81	91	20476512	8250.633	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.98	105	12802992	4183.482	ug/l	73
81) trans-1,4-Dichloro-2-buten	13.44	75	150310	705.518	ug/l #	1
82) 4-Chlorotoluene	13.98	91	1328471	447.603	ug/l #	50
83) tert-Butylbenzene	14.28	119	4529266	1341.832	ug/l #	76
84) 1,2,4-Trimethylbenzene	14.27	105	20266425	6688.341	ug/l #	10
85) sec-Butylbenzene	14.39	105	8124549	2295.394	ug/l	99
86) p-Isopropyltoluene	14.51	119	2695578	782.199	ug/l	98
89) n-Butylbenzene	14.81	91	3716522	1198.776	ug/l	94
90) Hexachloroethane	14.98	117	361860	397.748	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	15.38	75	3513	27.757	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.91	180	191	3.708	ug/l #	1
95) Naphthalene	16.13	128	28106	18.129	ug/l #	90

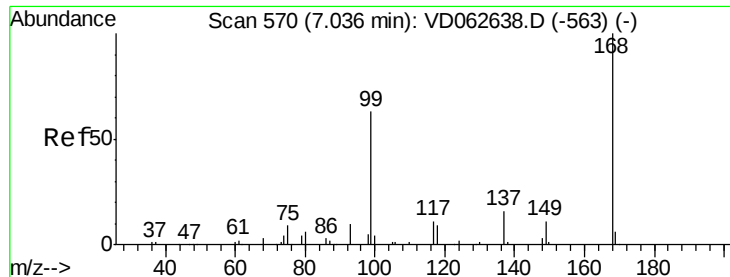
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

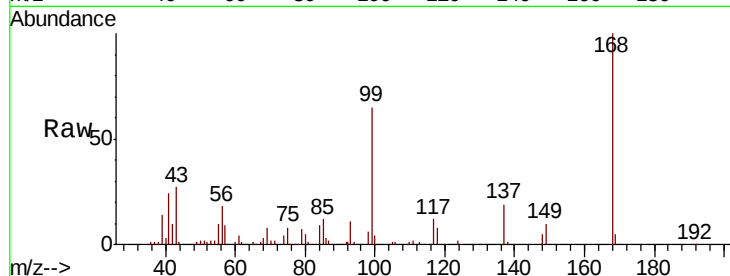
WASTE

Tgt Ion:168 Resp: 329062

Ion Ratio Lower Upper

168 100

99 65.5 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

100000

80000

60000

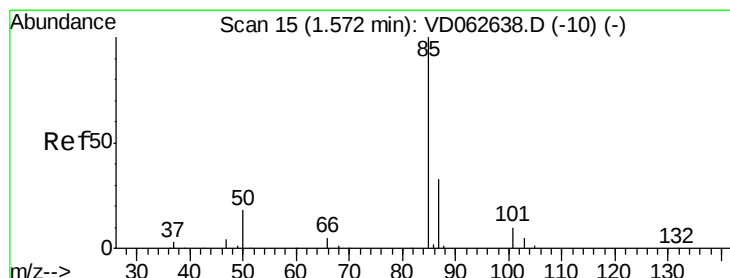
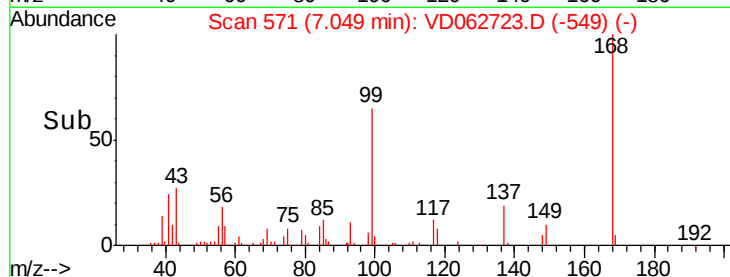
40000

20000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062723.D

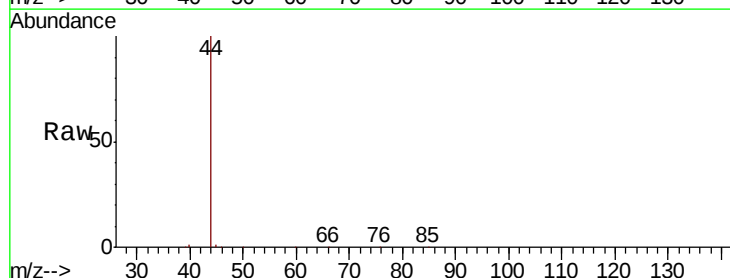
Acq: 17 Jun 2019 13:40

Tgt Ion: 85 Resp: 553

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

600

500

400

300

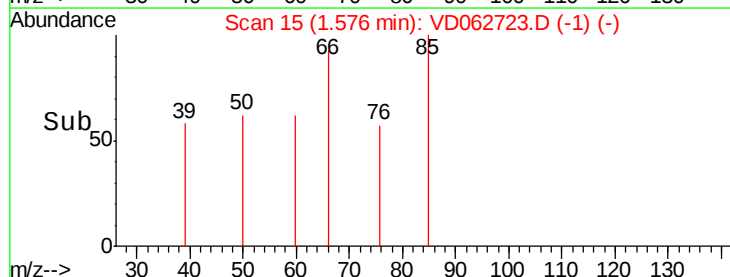
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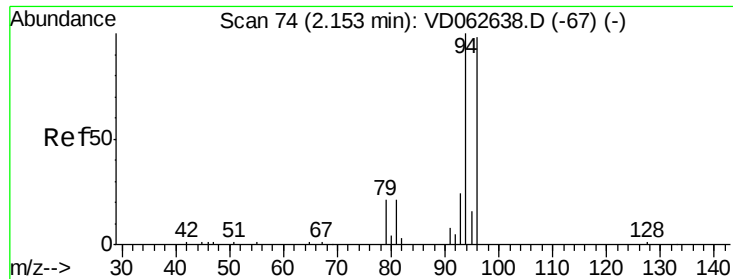
100

0

1.54 1.56 1.58 1.60

Time-->





#5

Bromomethane

Concen: 1.607 ug/l

RT: 2.21 min Scan# 79

Delta R.T. 0.05 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

WASTE

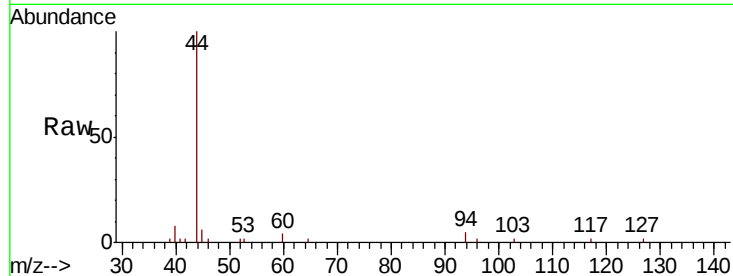
Tgt Ion: 94 Resp: 2724

Ion Ratio Lower Upper

94 100

96 40.6 78.1 117.1#

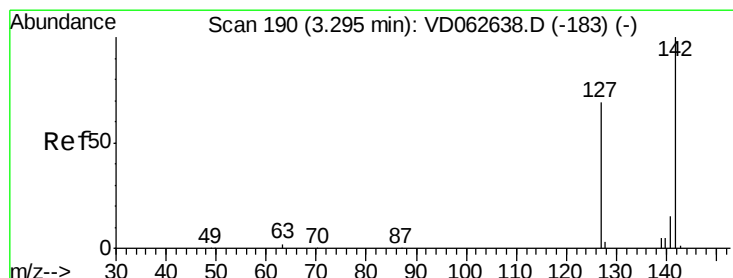
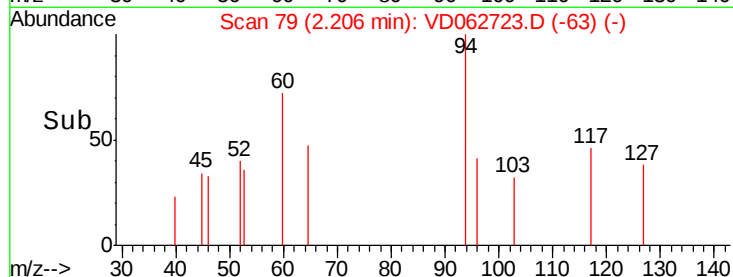
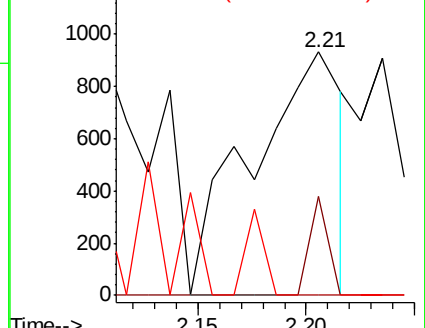
93 0.0 19.6 29.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#10

Methyl Iodide

Concen: 4.260 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

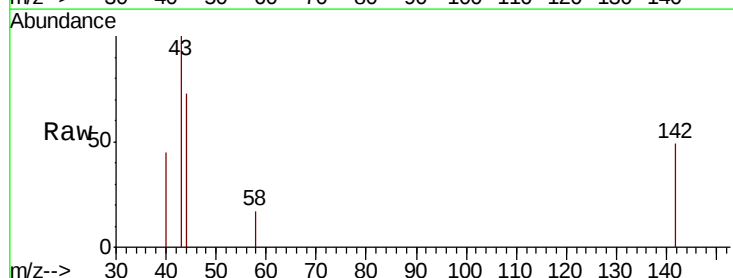
Tgt Ion: 142 Resp: 1608

Ion Ratio Lower Upper

142 100

127 0.0 55.2 82.8#

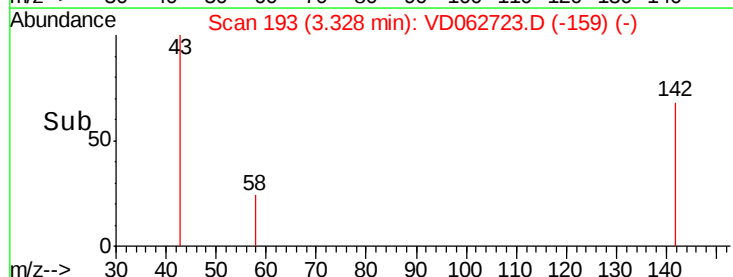
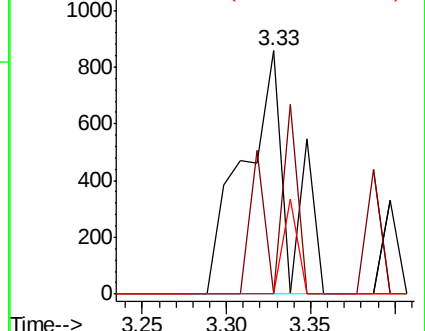
141 0.0 12.1 18.1#

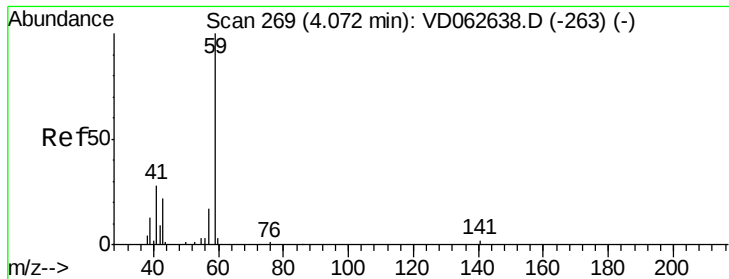


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



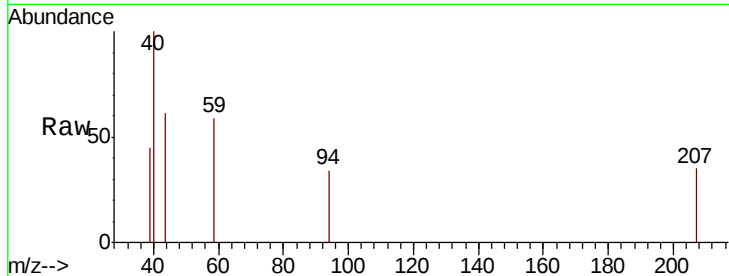


#11

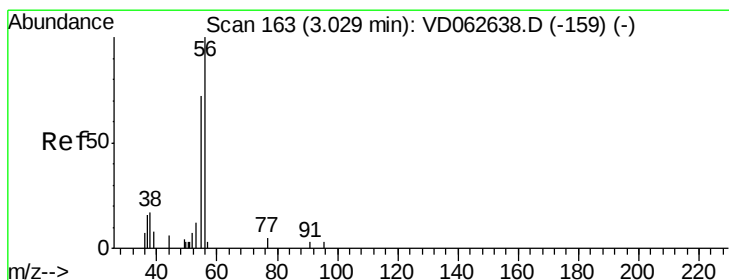
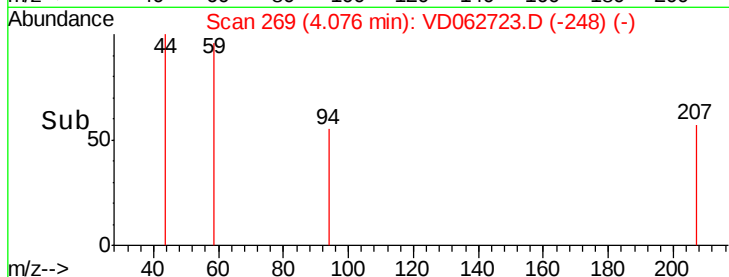
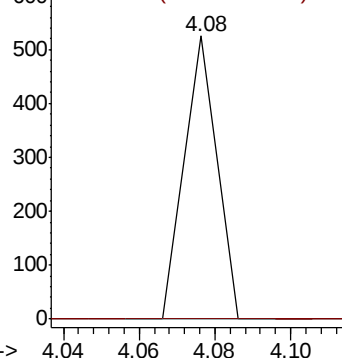
Tert butyl alcohol
 Concen: 1.588 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Instrument :
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Tgt Ion: 59 Resp: 310
 Ion Ratio Lower Upper
 59 100
 57 0.0 13.7 20.5#



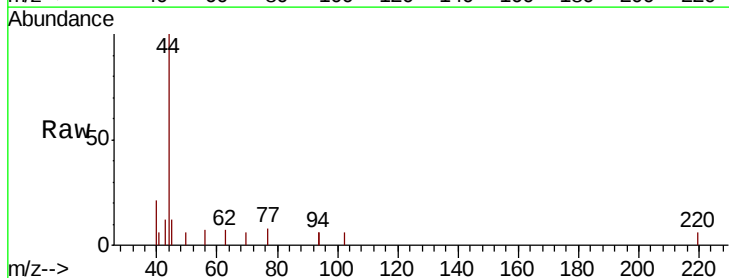
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



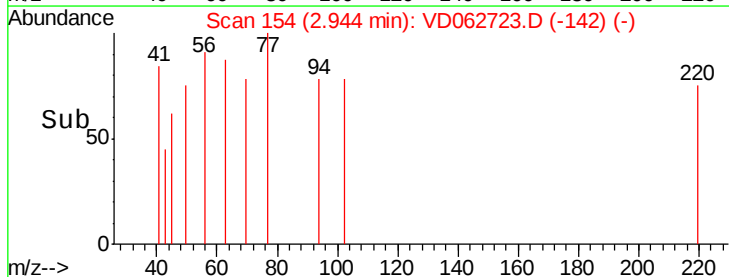
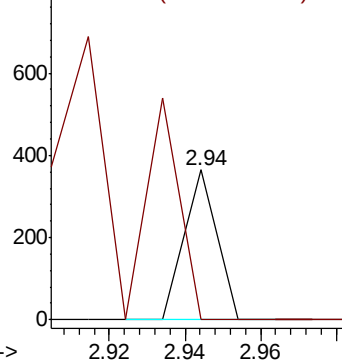
#13

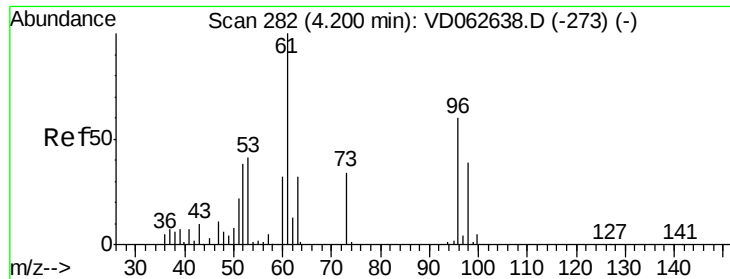
Acrolein
 Concen: 3.440 ug/l
 RT: 2.94 min Scan# 154
 Delta R.T. -0.08 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Tgt Ion: 56 Resp: 216
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 2.679 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

WASTE

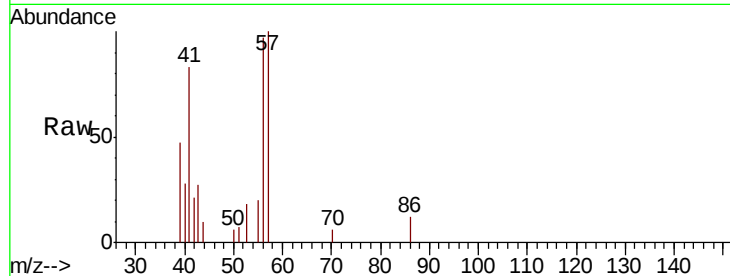
Tgt Ion: 53 Resp: 1188

Ion Ratio Lower Upper

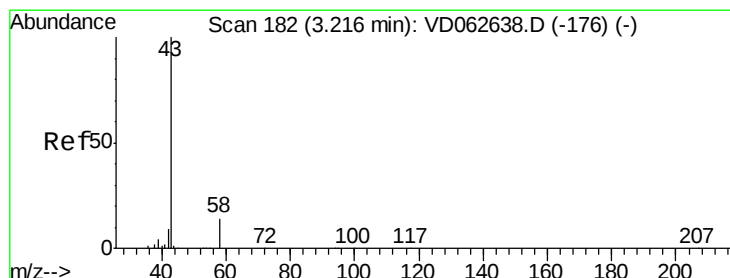
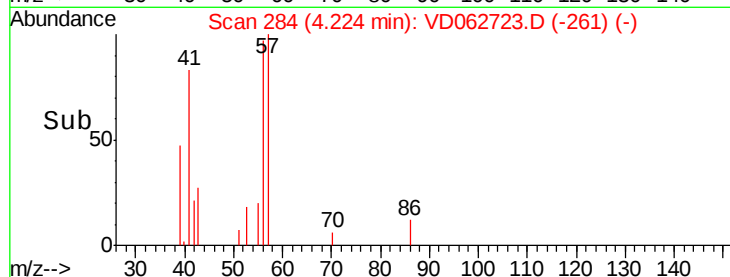
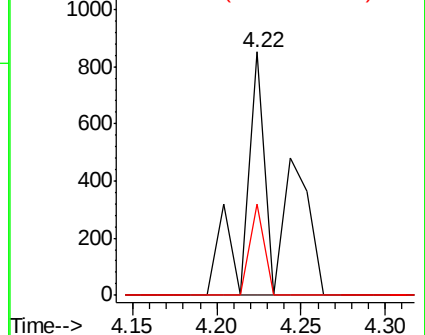
53 100

52 0.0 73.6 110.4#

51 37.6 42.0 63.0#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 131.292 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062723.D

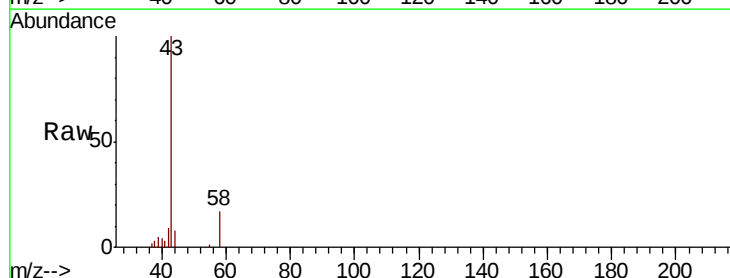
Acq: 17 Jun 2019 13:40

Tgt Ion: 43 Resp: 114158

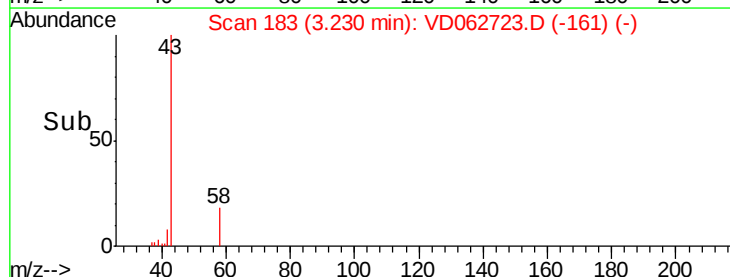
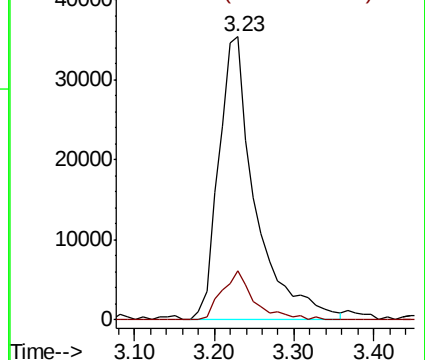
Ion Ratio Lower Upper

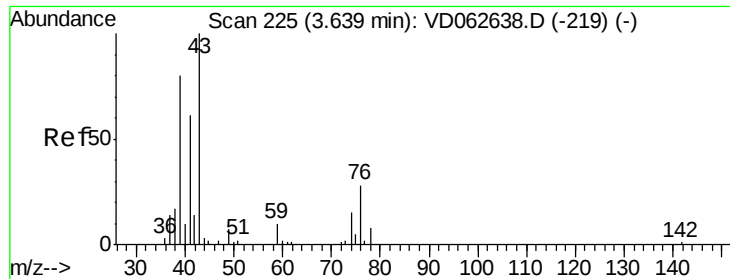
43 100

58 17.3 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

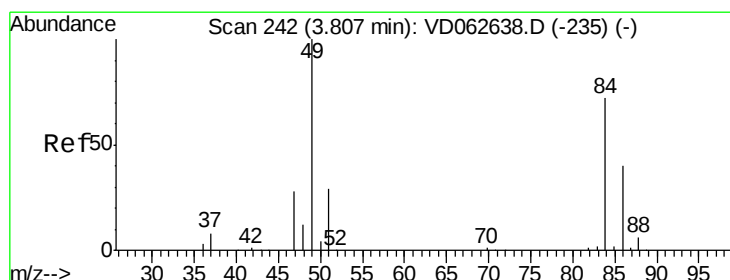
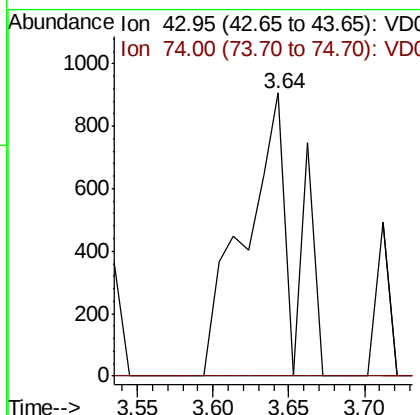
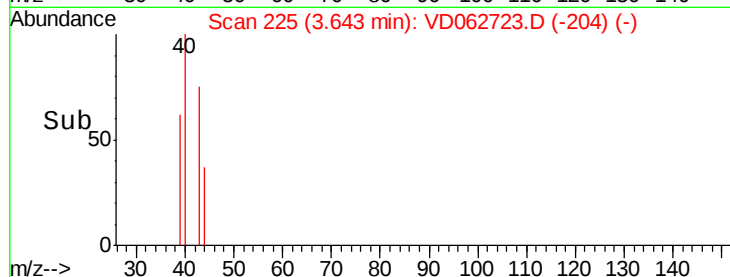
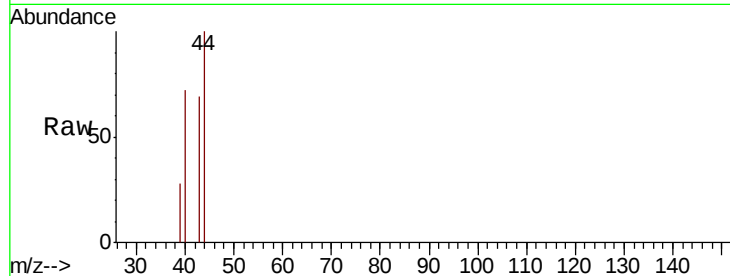




#18
Methyl Acetate
Concen: 1.455 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

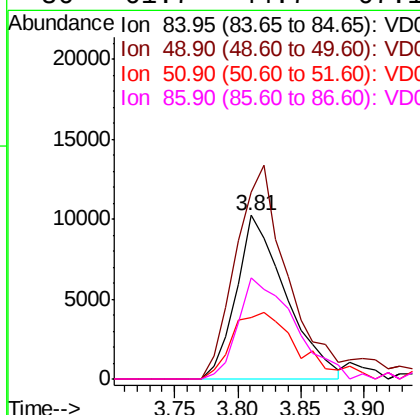
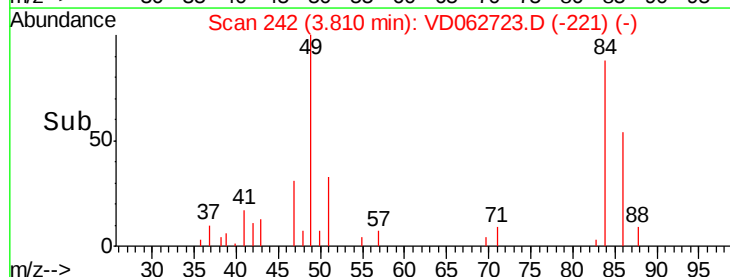
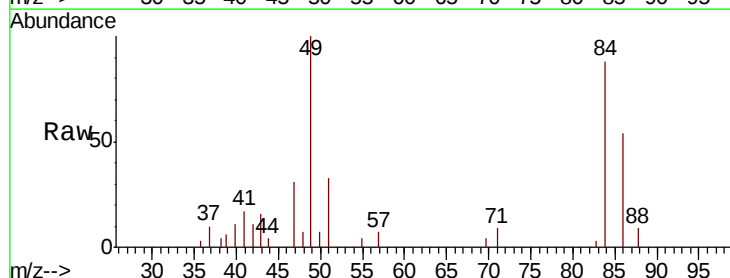
Instrument :
MSVOA_D
ClientSampleId :
WASTE

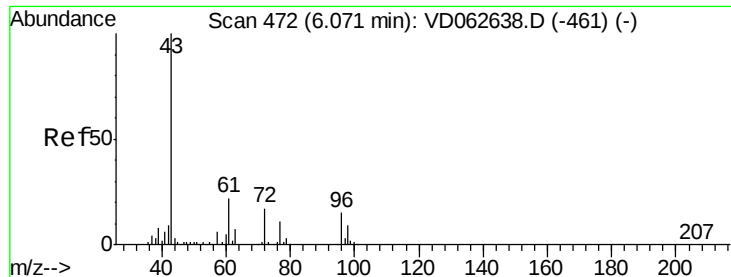
Tgt Ion: 43 Resp: 2079
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#20
Methylene Chloride
Concen: 8.120 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 84 Resp: 27891
Ion Ratio Lower Upper
84 100
49 114.3 111.2 166.8
51 37.7 31.9 47.9
86 61.7 44.7 67.1





#25

2-Butanone

Concen: 13.017 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

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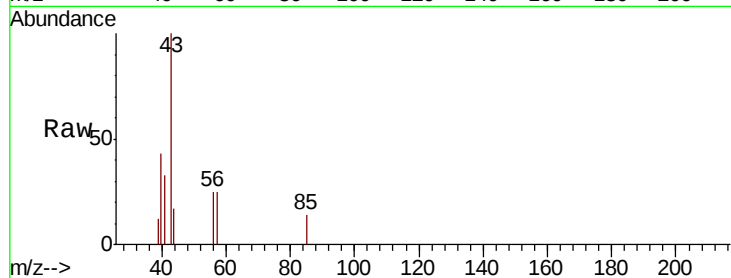
WASTE

Tgt Ion: 43 Resp: 11042

Ion Ratio Lower Upper

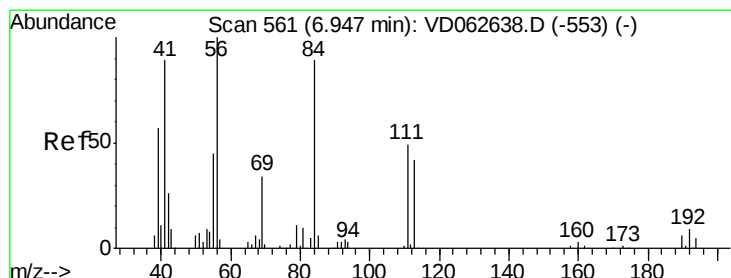
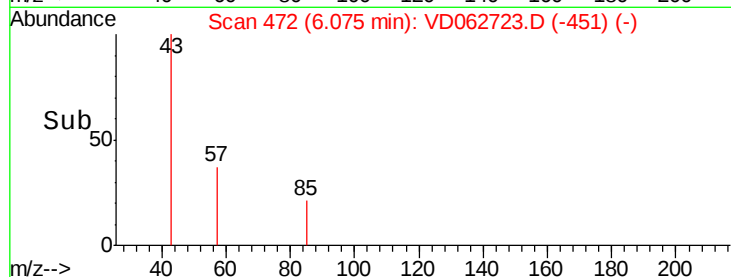
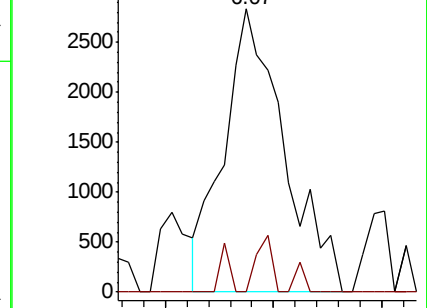
43 100

72 0.0 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 234.356 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

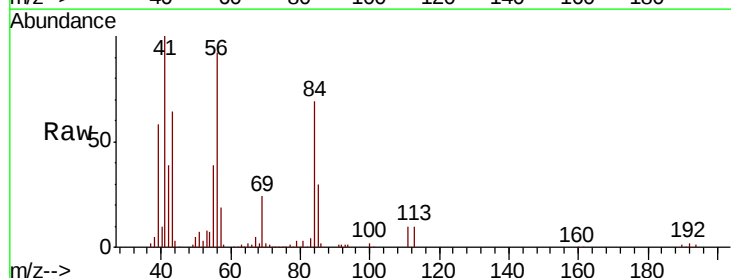
Tgt Ion: 56 Resp: 878186

Ion Ratio Lower Upper

56 100

69 26.5 26.8 40.2#

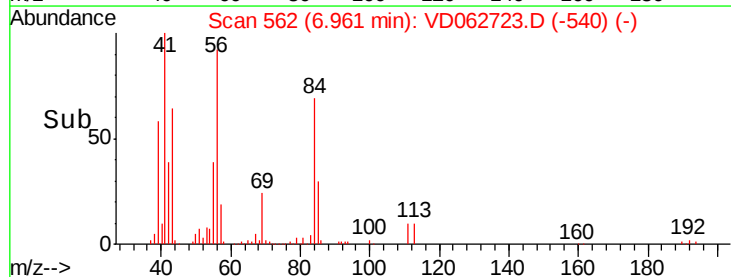
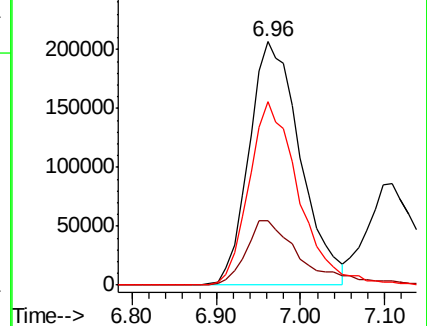
84 75.1 73.9 110.9

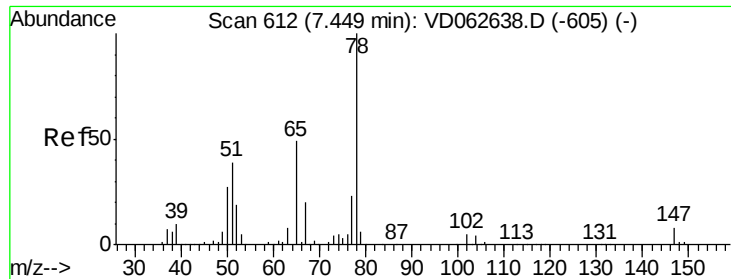


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.868 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

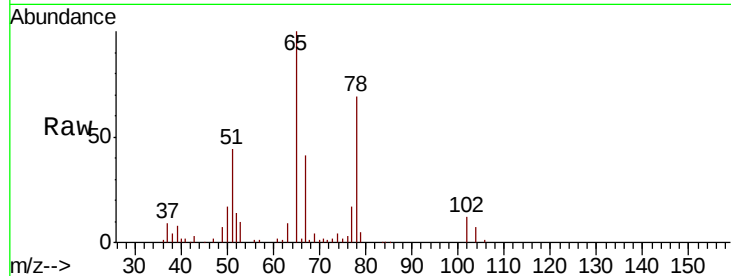
WASTE

Tgt Ion: 65 Resp: 236791

Ion Ratio Lower Upper

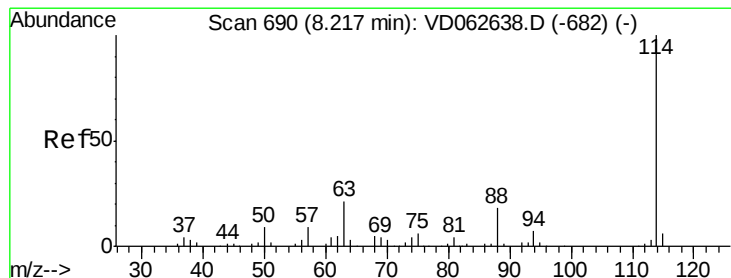
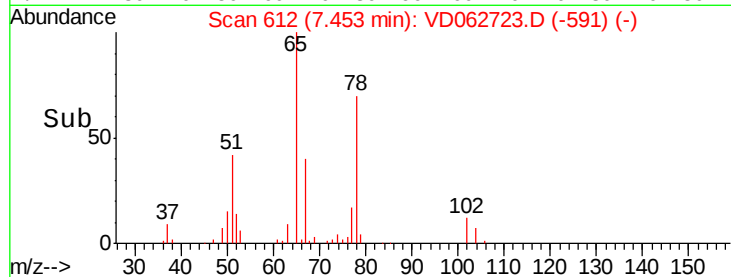
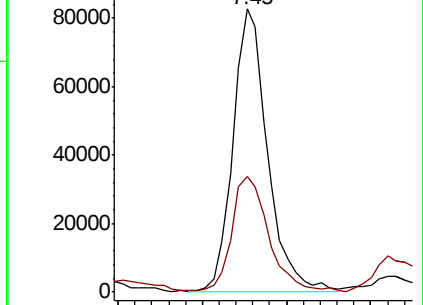
65 100

67 40.8 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

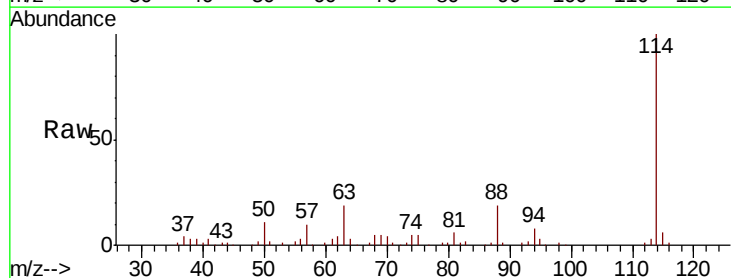
Tgt Ion: 114 Resp: 519676

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

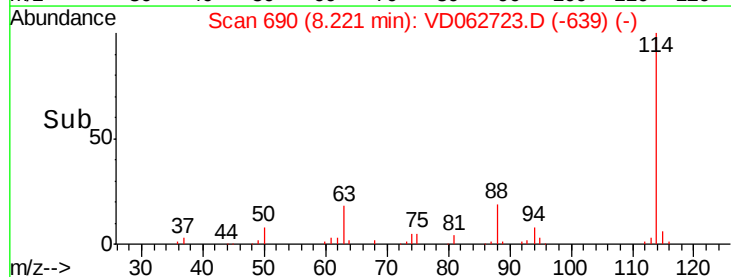
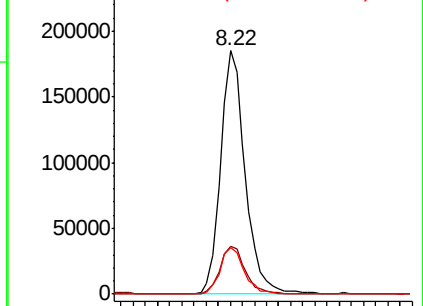
88 19.3 0.0 36.8

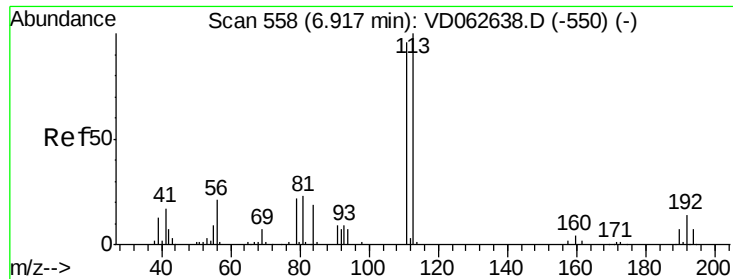


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 41.359 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

WASTE

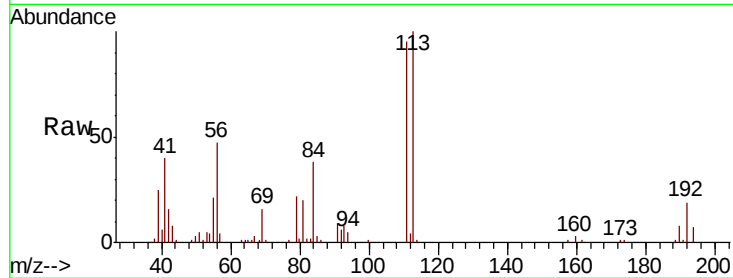
Tgt Ion:113 Resp: 226676

Ion Ratio Lower Upper

113 100

111 95.4 76.4 114.6

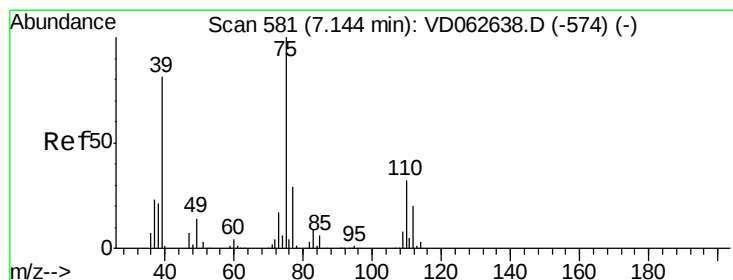
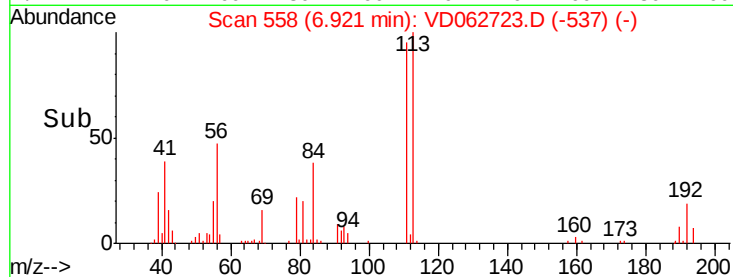
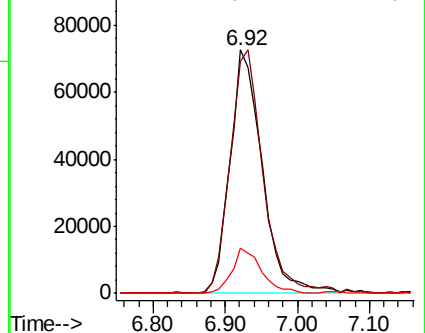
192 18.5 11.4 17.0#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

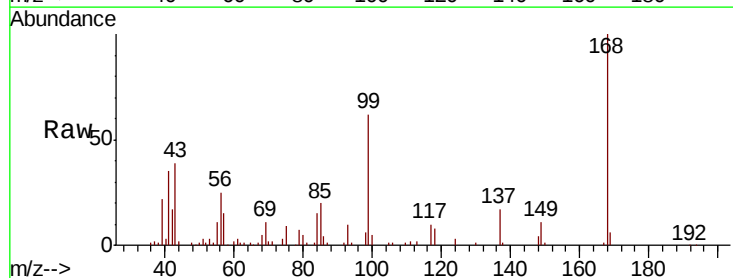
Tgt Ion: 75 Resp: 26853

Ion Ratio Lower Upper

75 100

110 12.1 15.9 47.7#

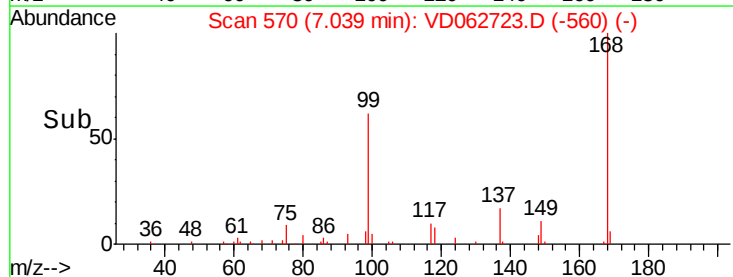
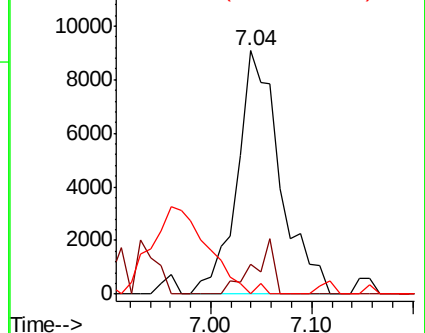
77 0.0 23.3 34.9#

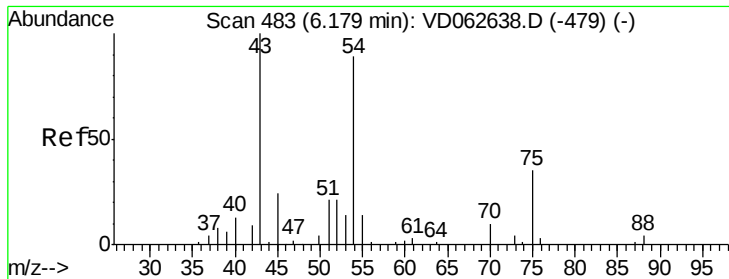


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

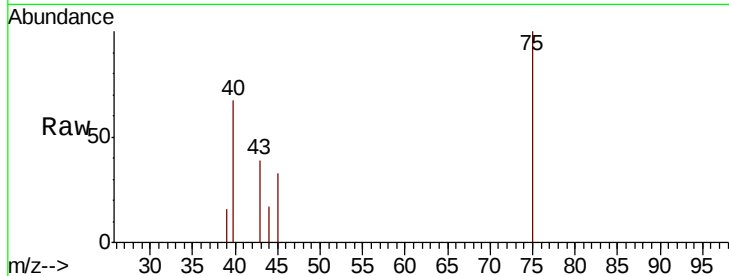




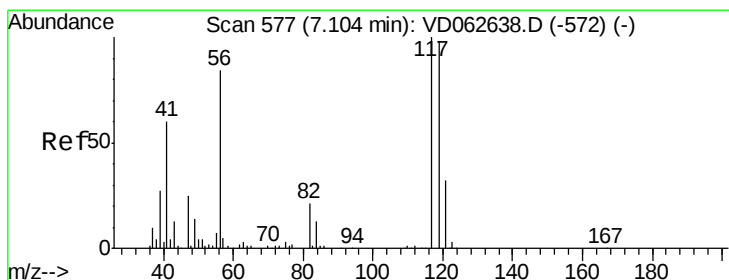
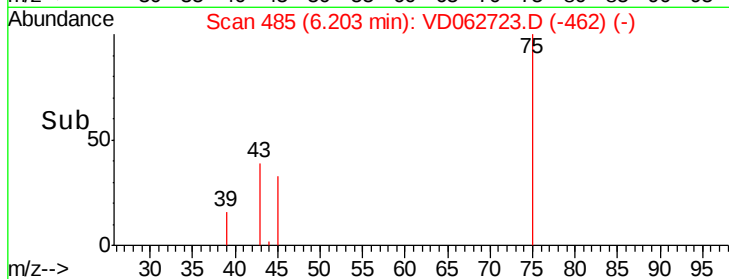
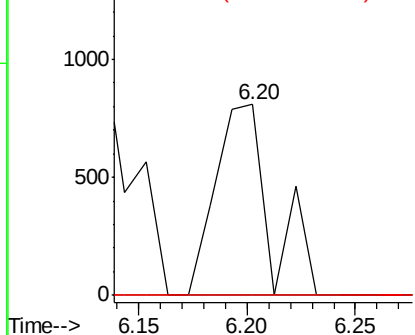
#37
 Ethyl Acetate
 Concen: 1.757 ug/l
 RT: 6.20 min Scan# 485
 Delta R.T. 0.02 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Tgt Ion: 43 Resp: 1444
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.7 13.1#
 70 0.0 6.5 9.7#

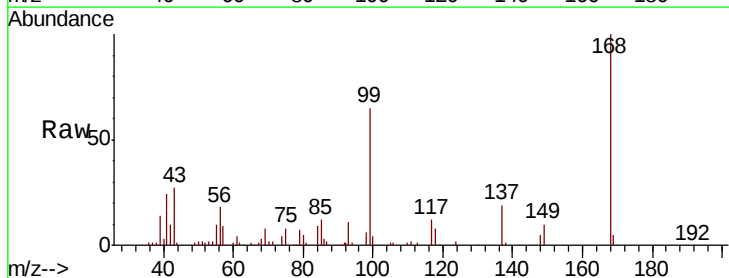


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

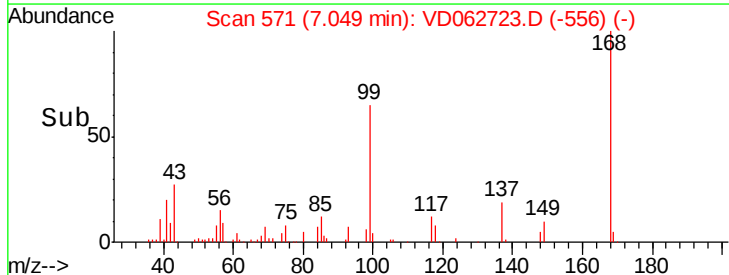
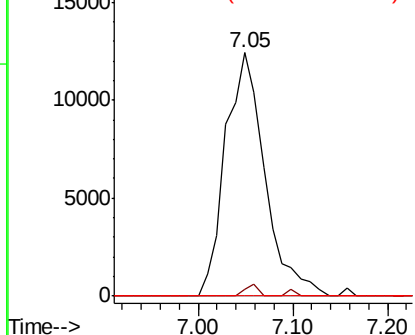


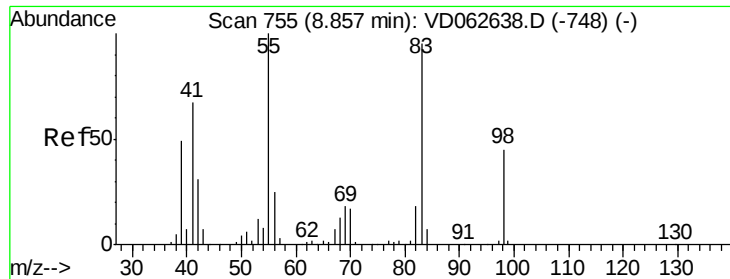
#38
 Carbon Tetrachloride
 Concen: 3.818 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.06 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Tgt Ion: 117 Resp: 35896
 Ion Ratio Lower Upper
 117 100
 119 2.8 73.5 110.3#
 121 0.0 24.2 36.4#



Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V

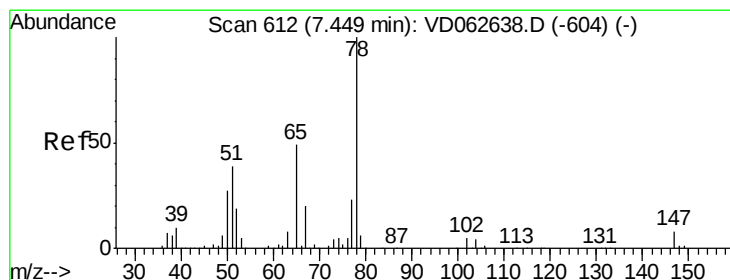
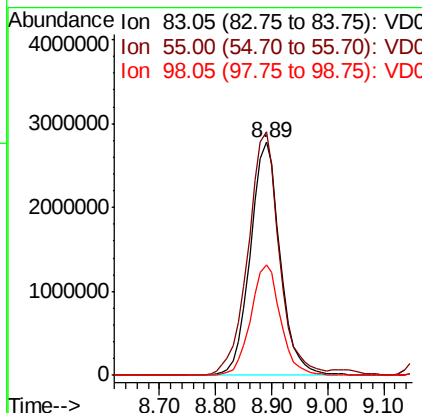
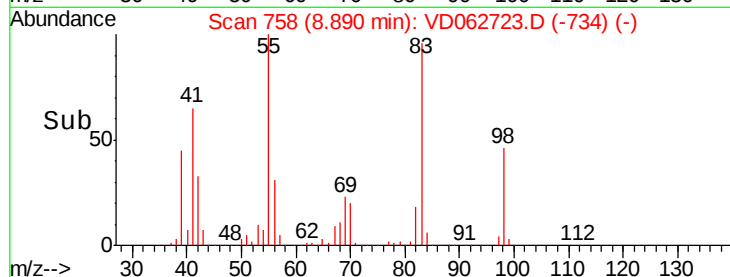
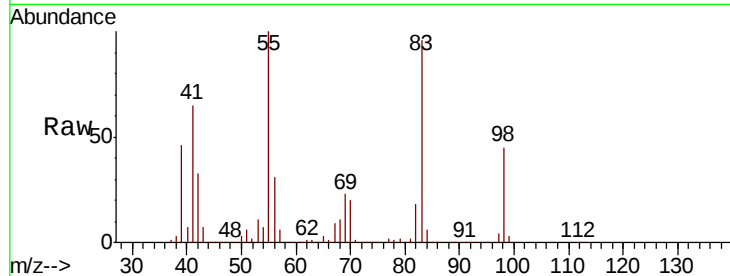




#39
Methylcyclohexane
Concen: 2117.741 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

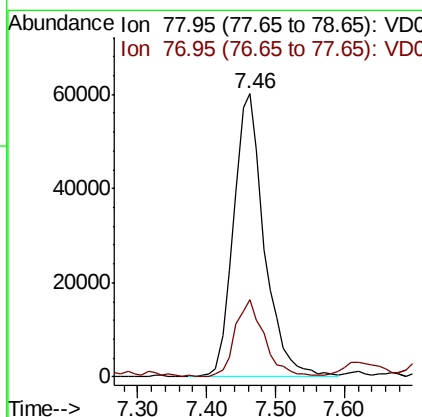
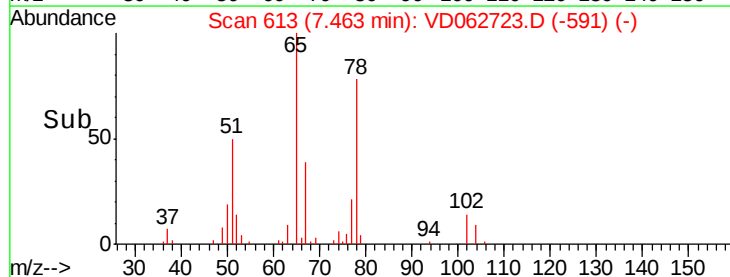
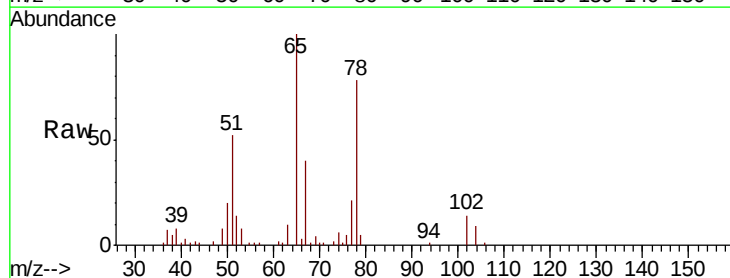
Instrument :
MSVOA_D
ClientSampleId :
WASTE

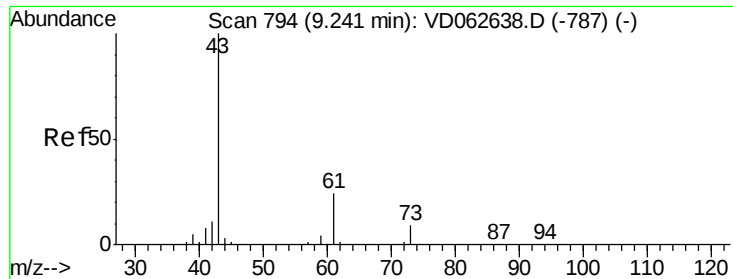
Tgt Ion: 83 Resp:10178491
Ion Ratio Lower Upper
83 100
55 104.5 84.6 127.0
98 47.5 38.2 57.4



#40
Benzene
Concen: 16.028 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 78 Resp: 186174
Ion Ratio Lower Upper
78 100
77 27.2 18.6 28.0





#43

Isopropyl Acetate

Concen: 150.126 ug/l

RT: 9.31 min Scan# 801

Delta R.T. 0.07 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

WASTE

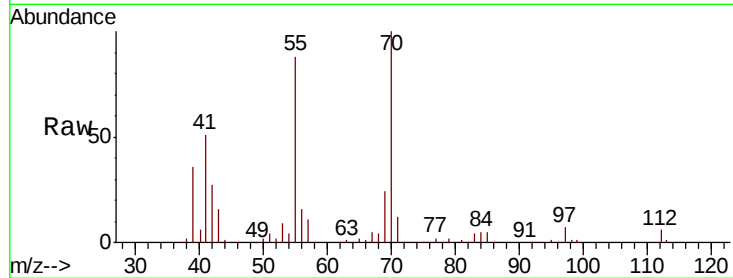
Tgt Ion: 43 Resp: 471133

Ion Ratio Lower Upper

43 100

61 1.0 19.0 28.6#

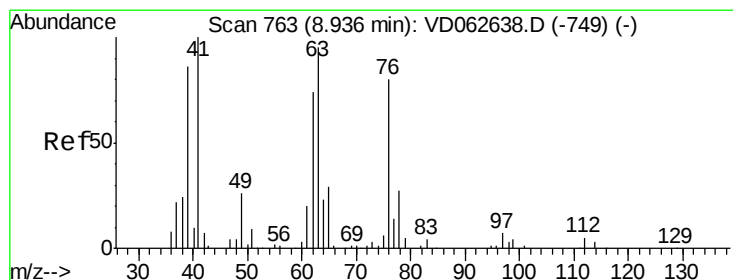
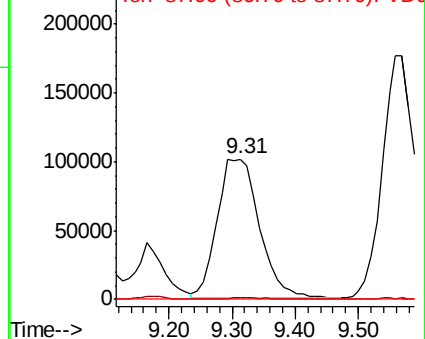
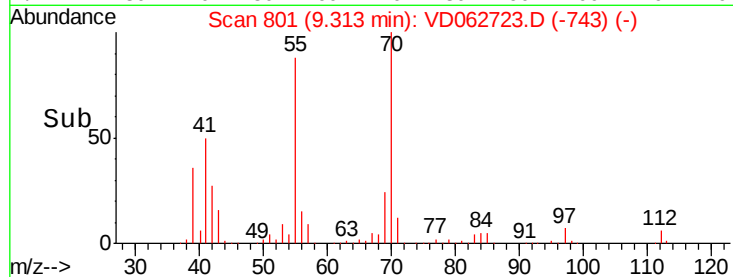
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#45

1,2-Dichloropropane

Concen: 58.884 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.06 min

Lab File: VD062723.D

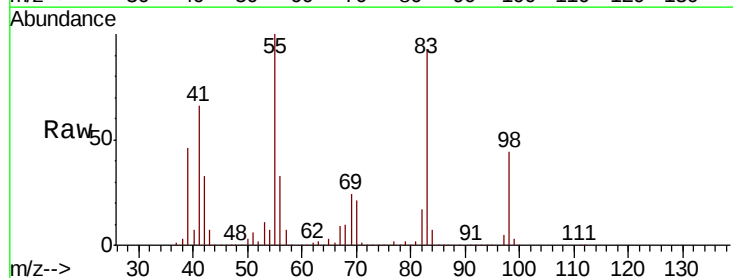
Acq: 17 Jun 2019 13:40

Tgt Ion: 63 Resp: 164283

Ion Ratio Lower Upper

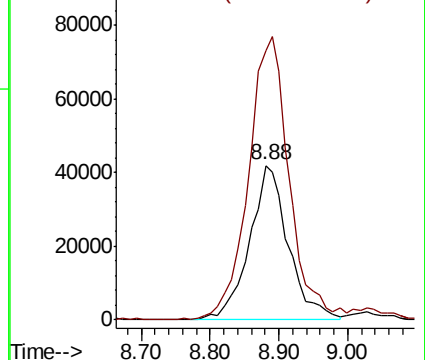
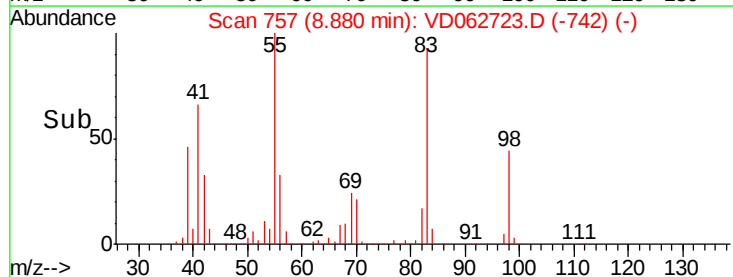
63 100

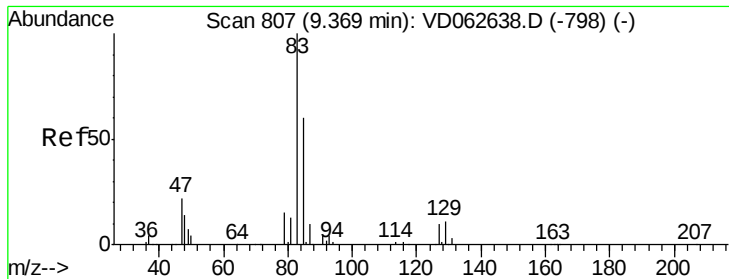
65 174.5 24.6 37.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC





#47

Bromodichloromethane

Concen: 17.863 ug/l

RT: 9.32 min Scan# 802

Delta R.T. -0.05 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

WASTE

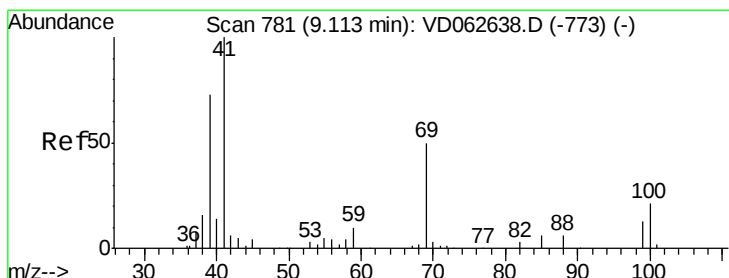
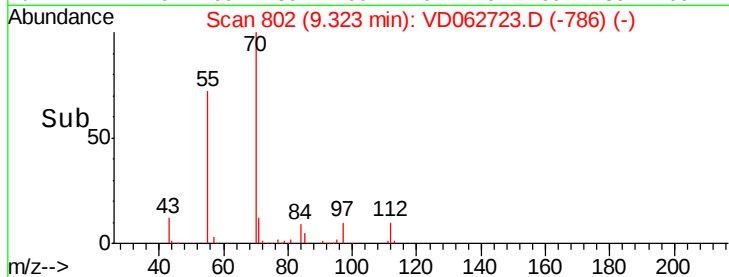
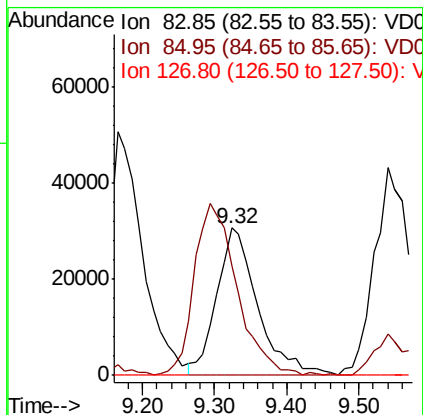
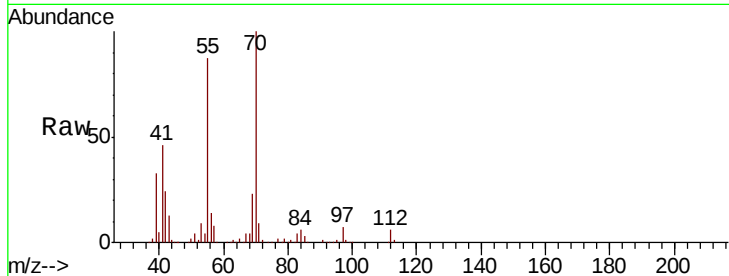
Tgt Ion: 83 Resp: 120338

Ion Ratio Lower Upper

83 100

85 74.5 47.9 71.9#

127 0.0 8.2 12.4#



#48

Methyl methacrylate

Concen: 695.756 ug/l

RT: 9.17 min Scan# 786

Delta R.T. 0.05 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

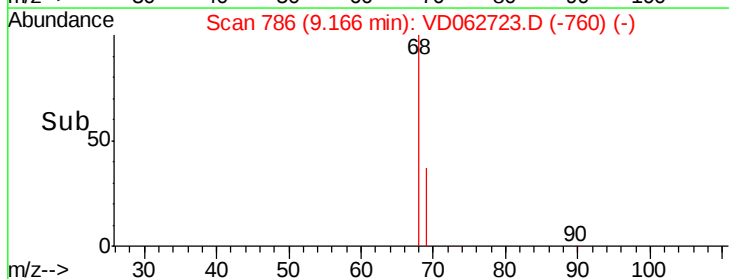
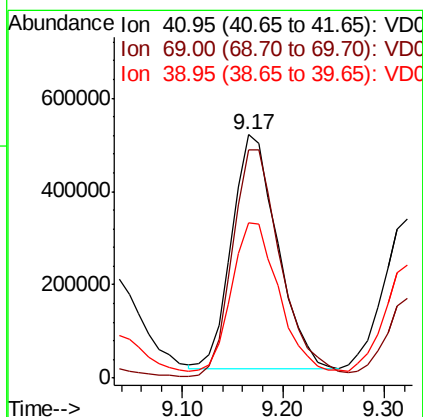
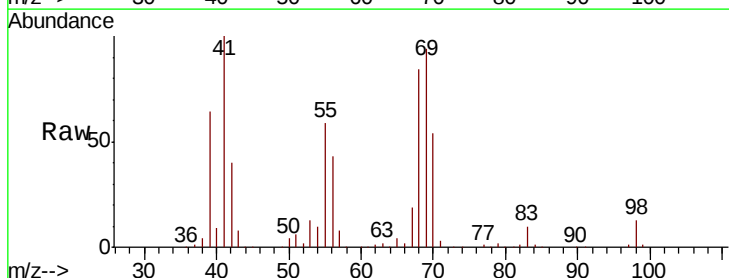
Tgt Ion: 41 Resp: 1577430

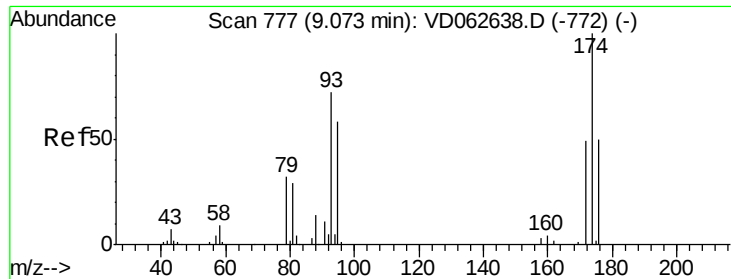
Ion Ratio Lower Upper

41 100

69 93.5 39.8 59.6#

39 63.6 59.1 88.7





#49

1,4-Dioxane

Concen: 76.305 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.16 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

WASTE

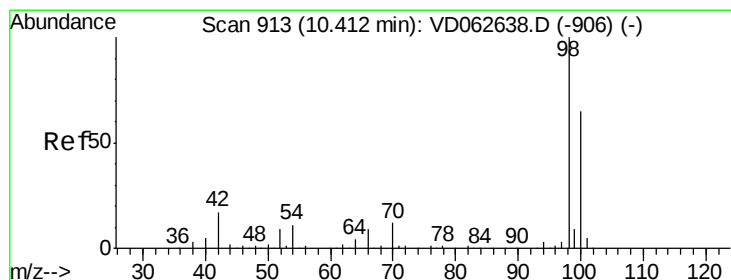
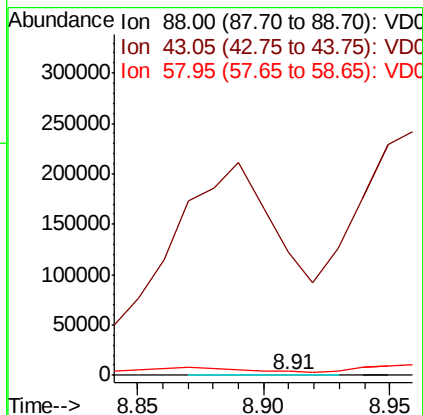
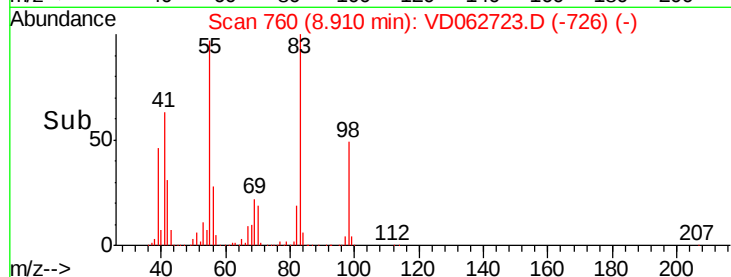
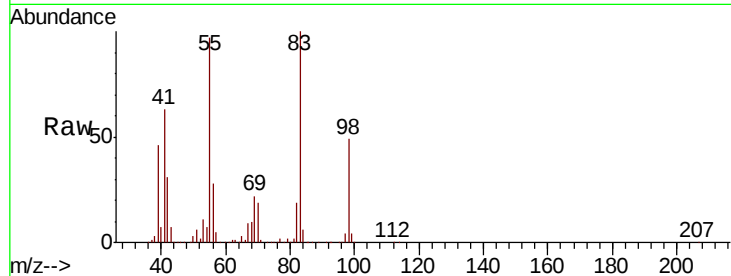
Tgt Ion: 88 Resp: 618

Ion Ratio Lower Upper

88 100

43 17746.7 40.7 61.1#

58 528.8 54.2 81.4#



#50

Toluene-d8

Concen: 155.581 ug/l

RT: 10.44 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD062723.D

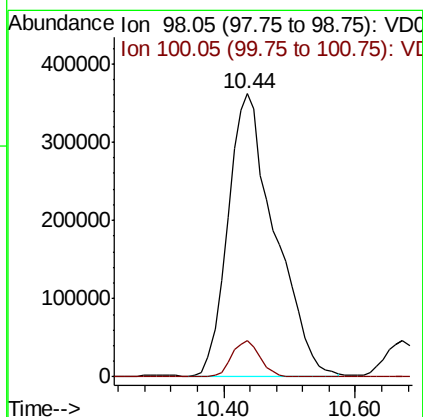
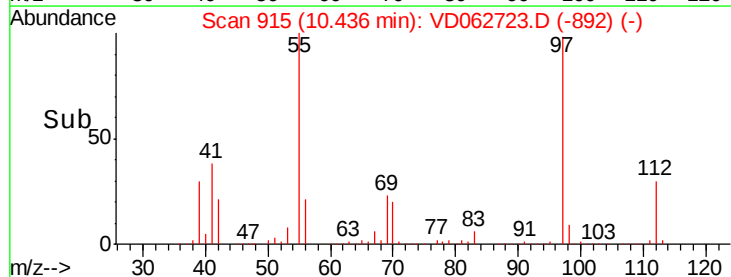
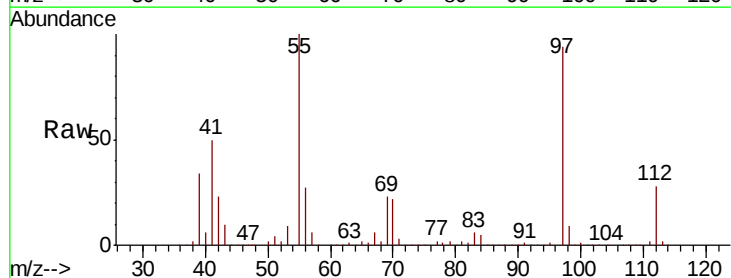
Acq: 17 Jun 2019 13:40

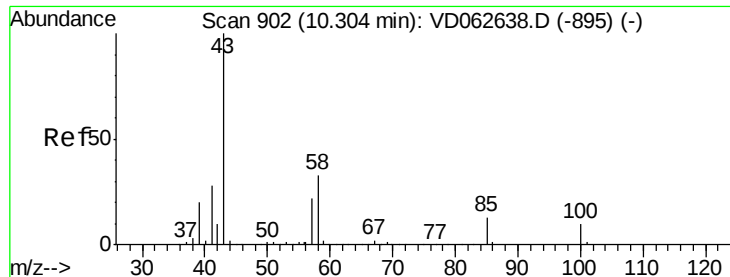
Tgt Ion: 98 Resp: 1793762

Ion Ratio Lower Upper

98 100

100 12.8 52.1 78.1#





#51

4-Methyl-2-Pentanone

Concen: 651.479 ug/l

RT: 10.44 min Scan# 915

Delta R.T. 0.13 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

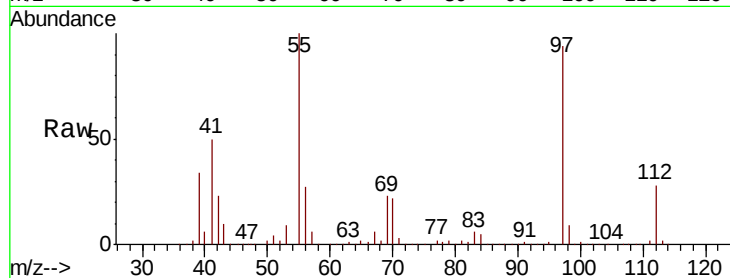
WASTE

Tgt Ion: 43 Resp: 1430582

Ion Ratio Lower Upper

43 100

58 2.5 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.44

400000

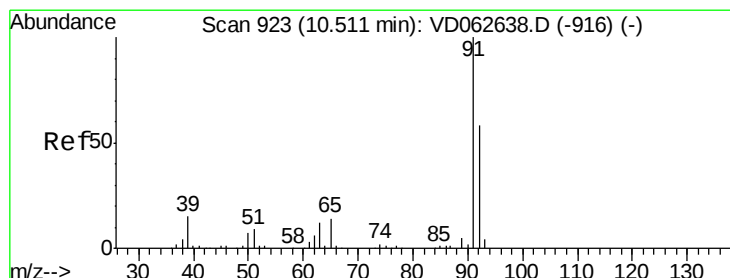
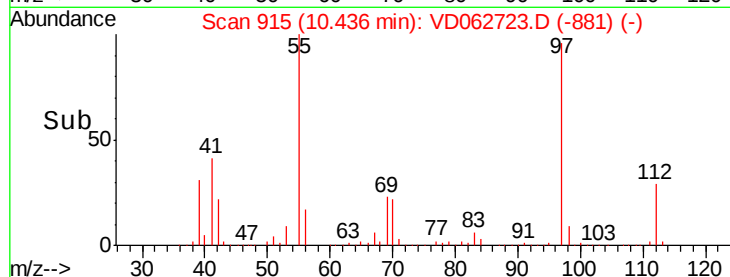
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 1176.692 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062723.D

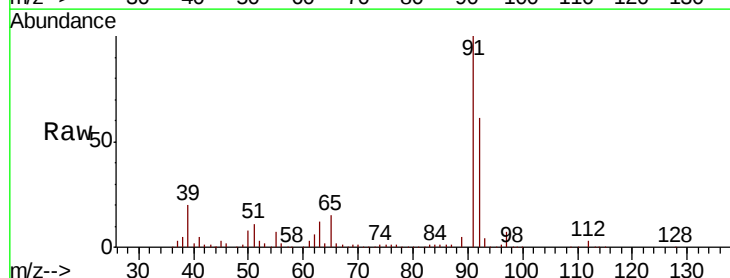
Acq: 17 Jun 2019 13:40

Tgt Ion: 92 Resp: 9187128

Ion Ratio Lower Upper

92 100

91 163.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

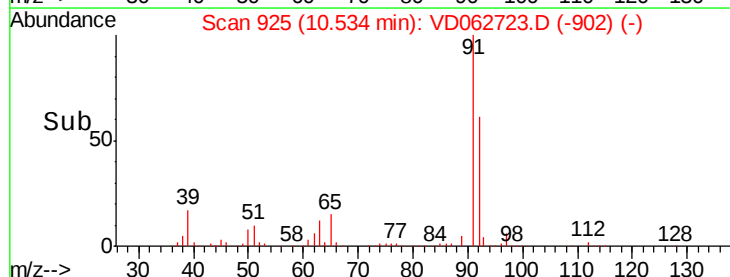
6000000

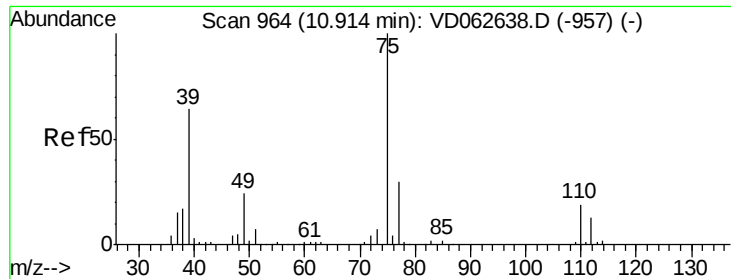
4000000

2000000

0

Time-->

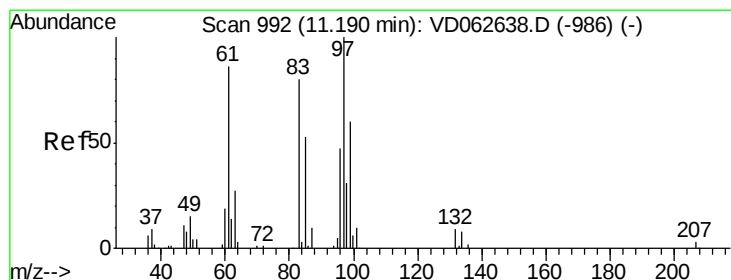
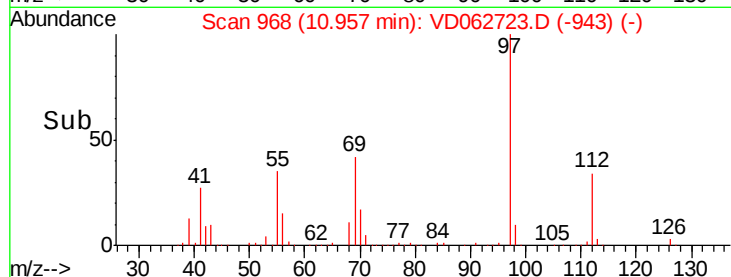
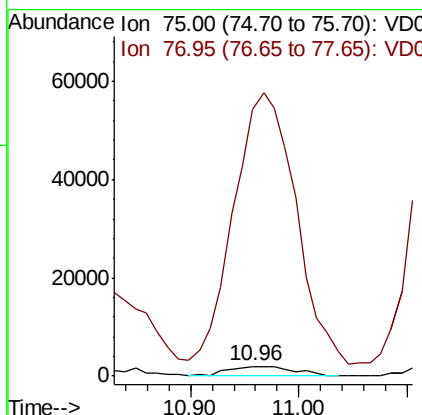
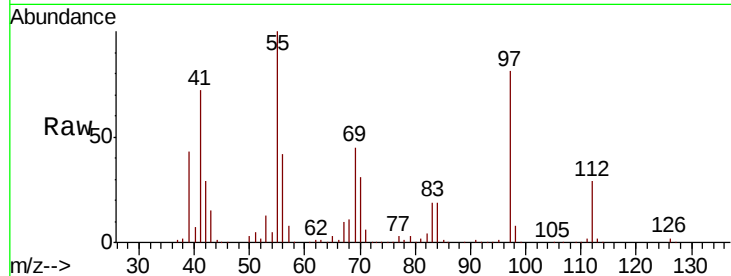




#53
t-1,3-Dichloropropene
Concen: 1.542 ug/l
RT: 10.96 min Scan# 968
Delta R.T. 0.04 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

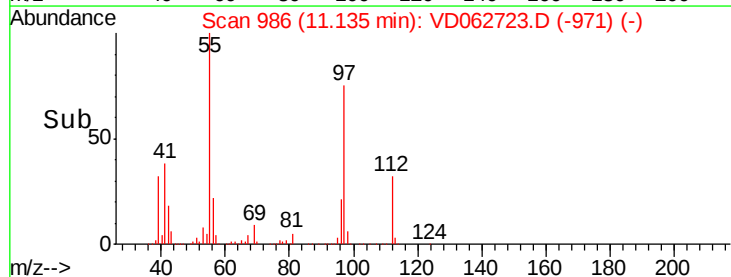
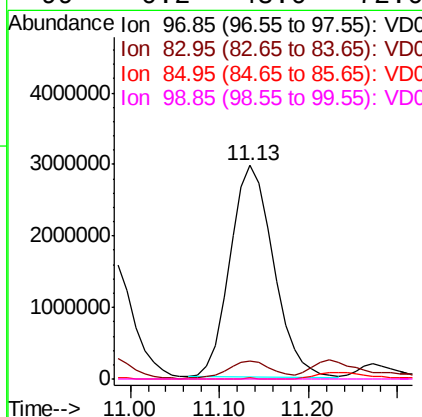
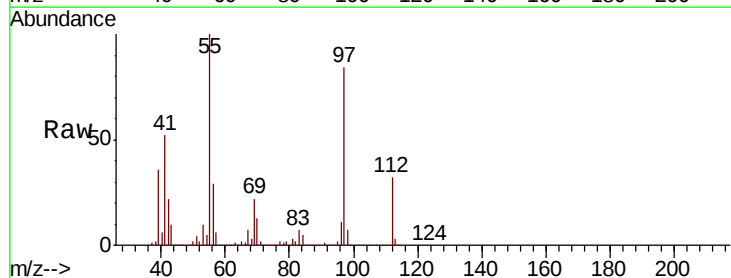
Instrument :
MSVOA_D
ClientSampleId :
WASTE

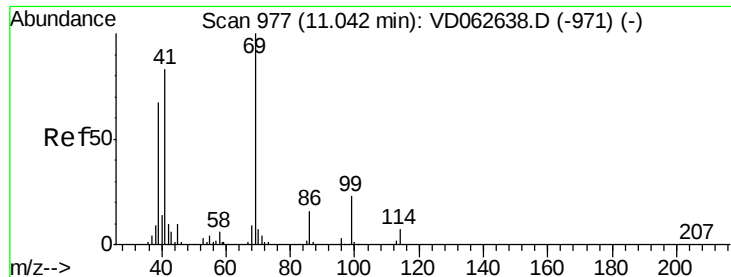
Tgt Ion: 75 Resp: 8516
Ion Ratio Lower Upper
75 100
77 2777.7 24.1 36.1#



#55
1,1,2-Trichloroethane
Concen: 3756.810 ug/l
RT: 11.13 min Scan# 986
Delta R.T. -0.06 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 97 Resp:10059037
Ion Ratio Lower Upper
97 100
83 8.2 63.8 95.8#
85 0.4 42.3 63.5#
99 0.2 48.0 72.0#

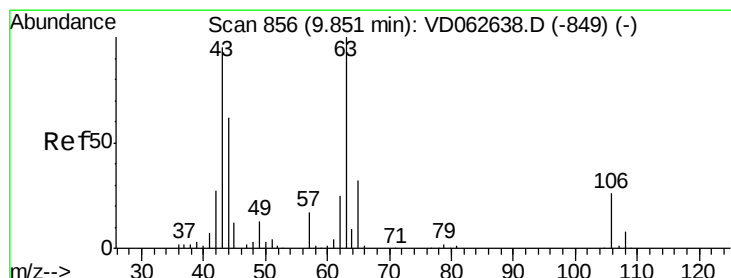
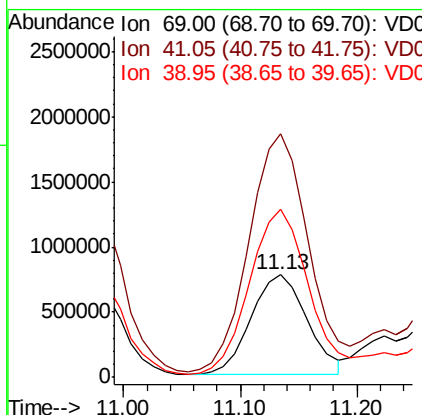
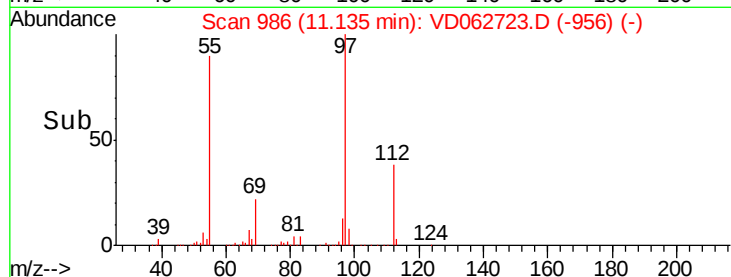
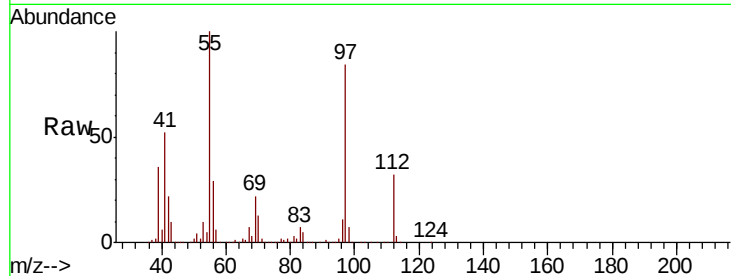




#56
Ethyl methacrylate
Concen: 739.038 ug/l
RT: 11.13 min Scan# 986
Delta R.T. 0.09 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

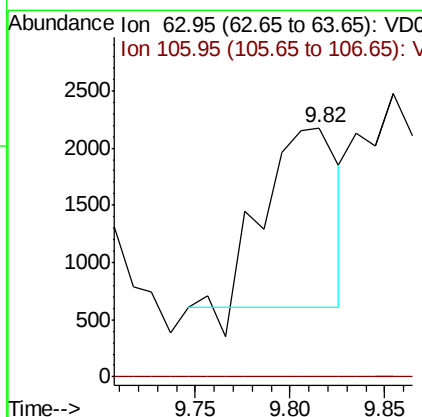
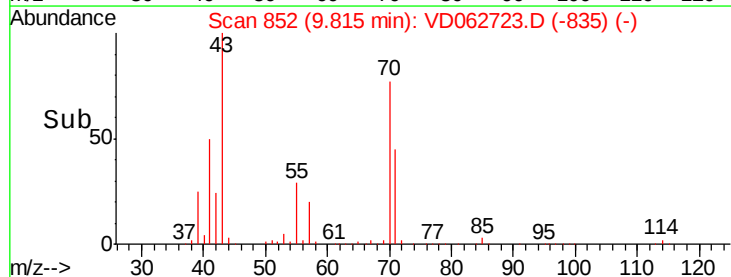
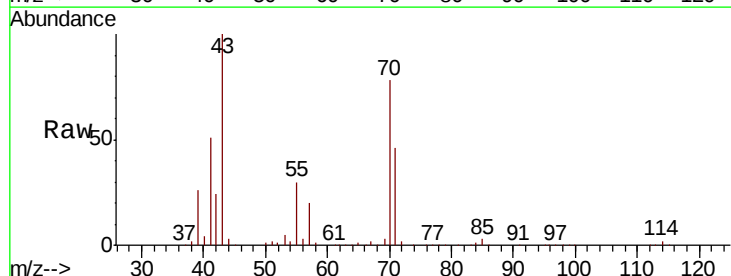
Instrument :
MSVOA_D
ClientSampled :
WASTE

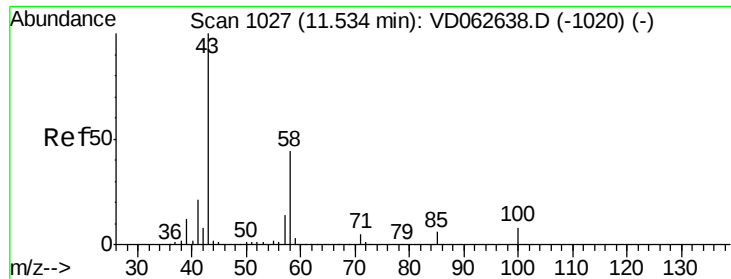
Tgt Ion: 69 Resp: 2574350
Ion Ratio Lower Upper
69 100
41 237.4 66.2 99.4#
39 164.4 53.8 80.8#



#58
2-Chloroethyl Vinyl ether
Concen: 2.920 ug/l
RT: 9.82 min Scan# 852
Delta R.T. -0.04 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 63 Resp: 4179
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#

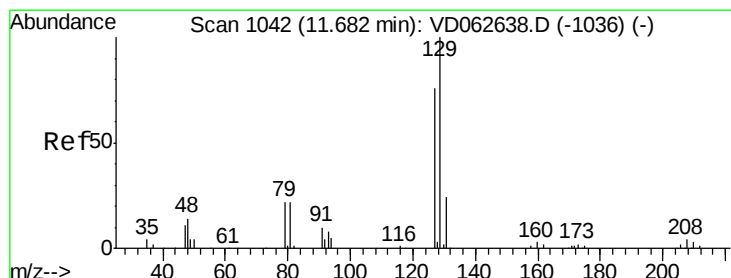
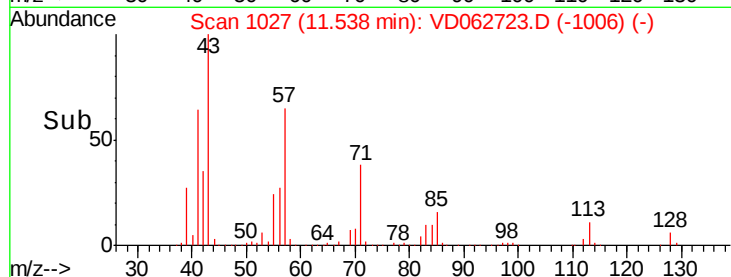
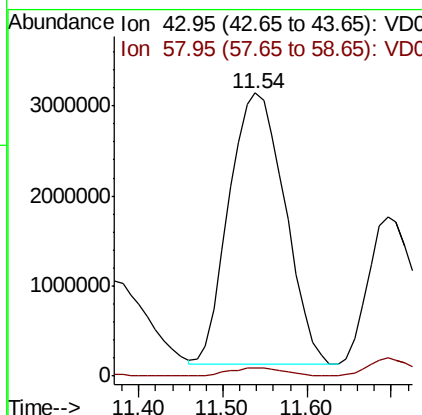
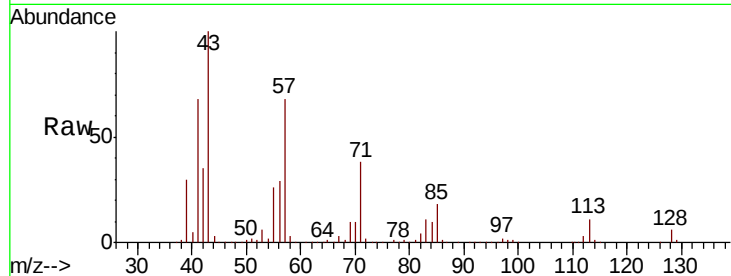




#59
2-Hexanone
Concen: 8555.649 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

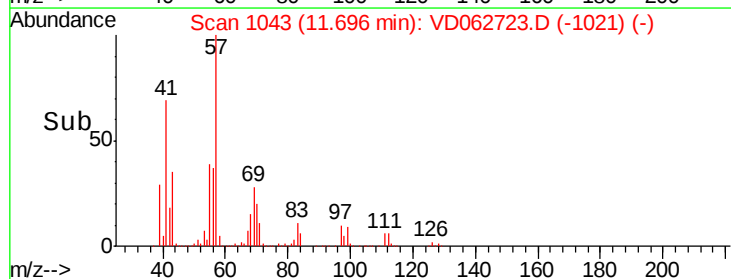
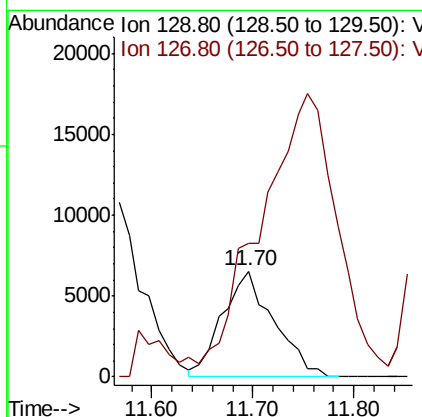
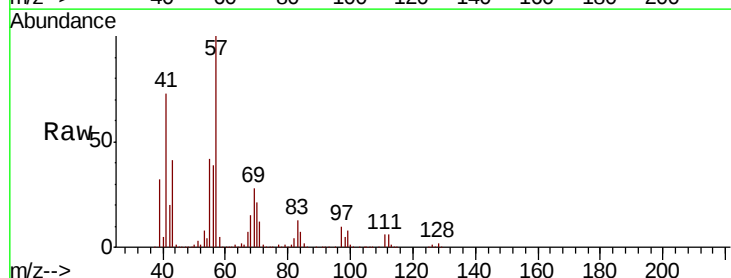
Instrument :
MSVOA_D
ClientSampleId :
WASTE

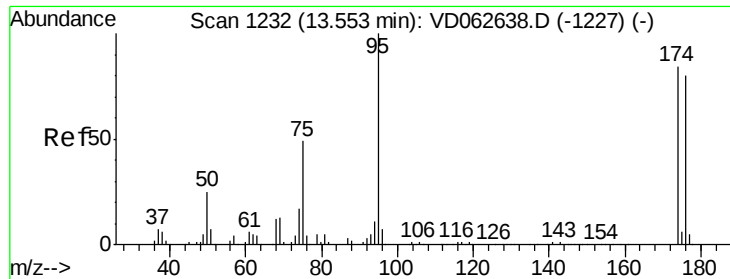
Tgt Ion: 43 Resp:13975155
Ion Ratio Lower Upper
43 100
58 2.8 21.8 65.4#



#60
Dibromochloromethane
Concen: 4.385 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion:129 Resp: 23179
Ion Ratio Lower Upper
129 100
127 126.9 38.0 114.1#

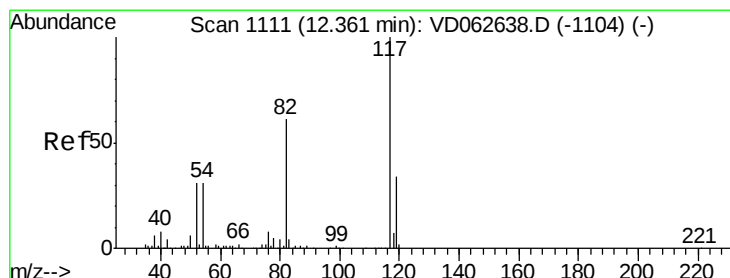
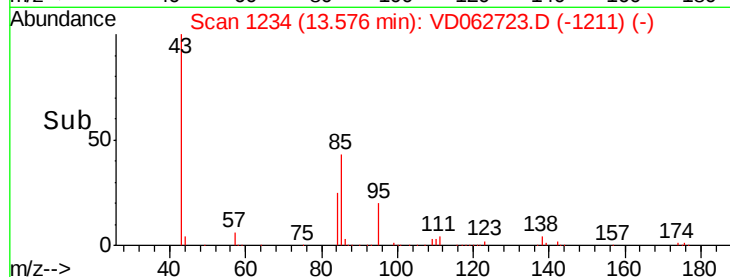
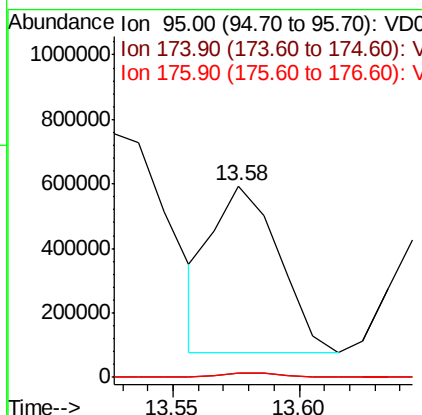
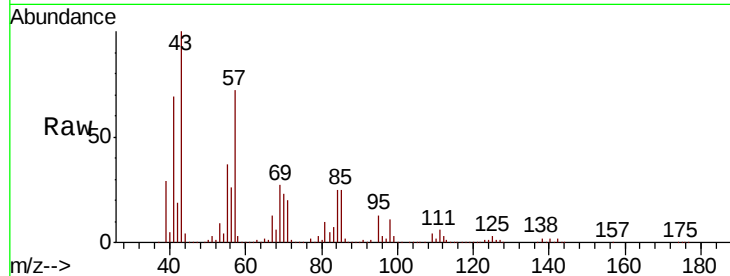




#62
4-Bromofluorobenzene
Concen: 175.438 ug/l
RT: 13.58 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

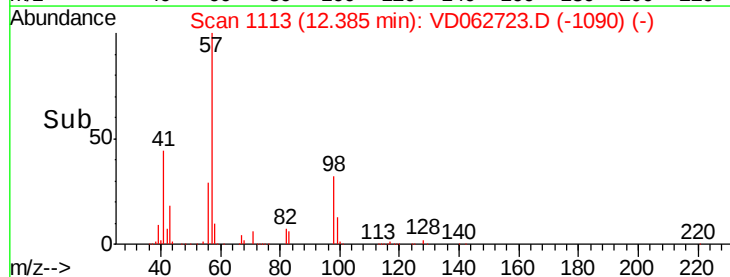
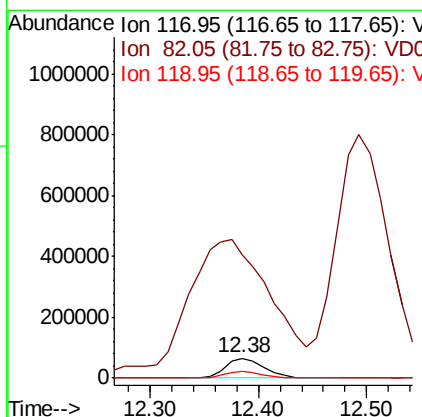
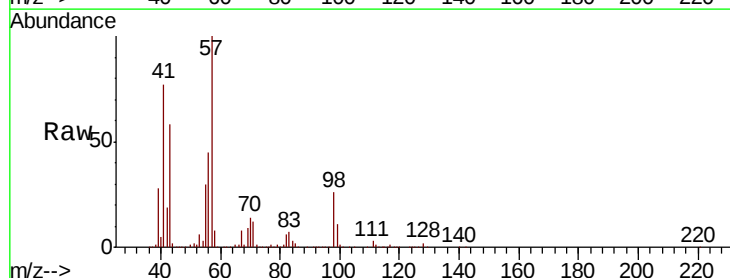
Instrument :
MSVOA_D
ClientSampleId :
WASTE

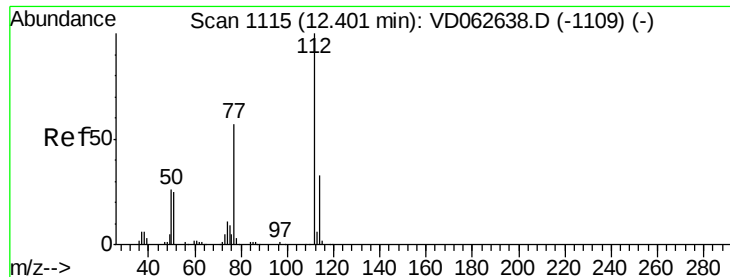
Tgt Ion: 95 Resp: 943659
Ion Ratio Lower Upper
95 100
174 2.1 0.0 167.0
176 2.5 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 117 Resp: 157531
Ion Ratio Lower Upper
117 100
82 624.0 48.7 73.1#
119 32.6 27.0 40.6

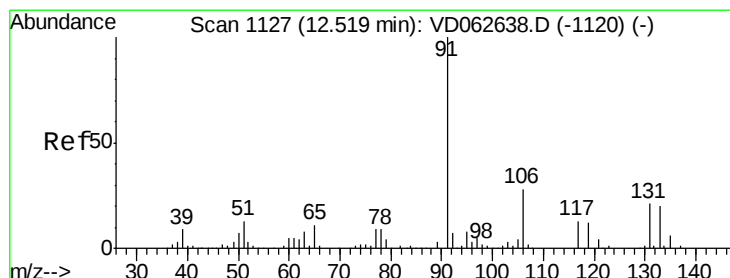
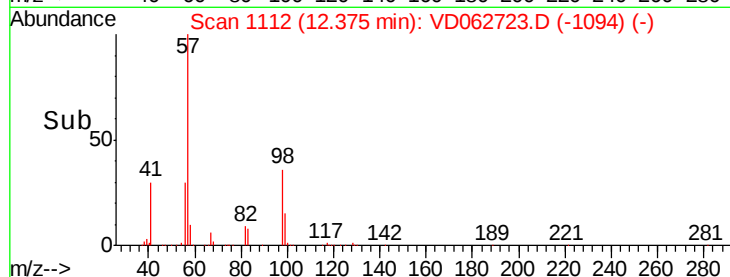
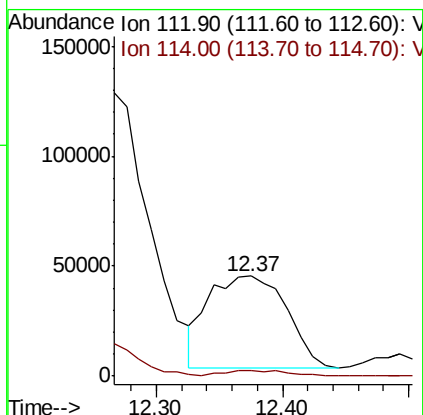
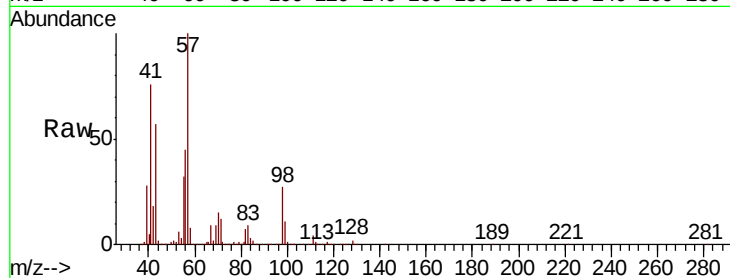




#65
Chlorobenzene
Concen: 51.512 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

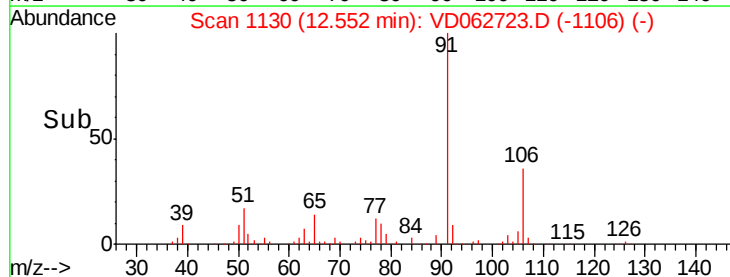
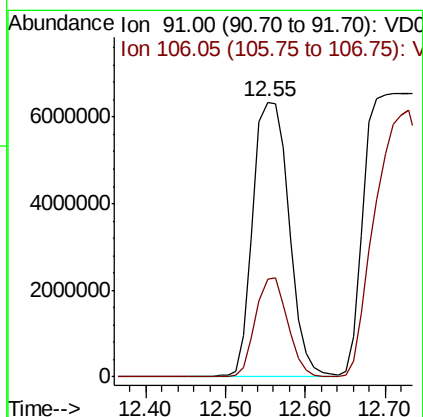
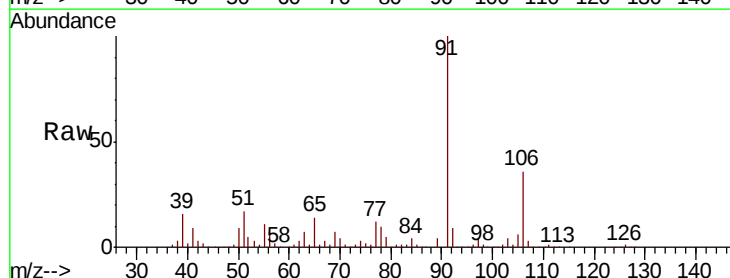
Instrument :
MSVOA_D
ClientSampled :
WASTE

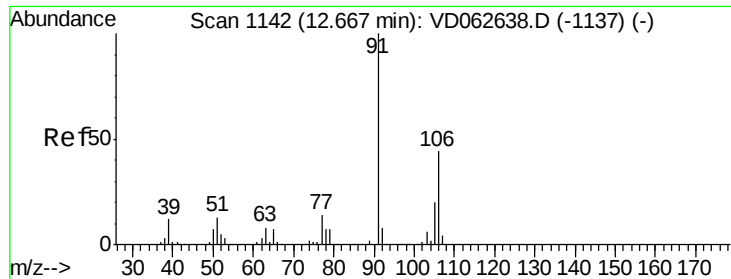
Tgt Ion:112 Resp: 179495
Ion Ratio Lower Upper
112 100
114 5.1 26.3 39.5#



#67
Ethyl Benzene
Concen: 3204.993 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 91 Resp:19800677
Ion Ratio Lower Upper
91 100
106 35.8 22.1 33.1#

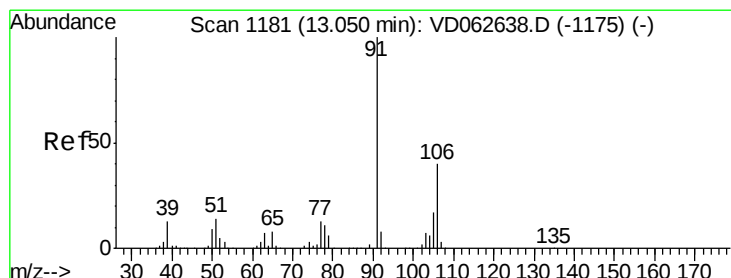
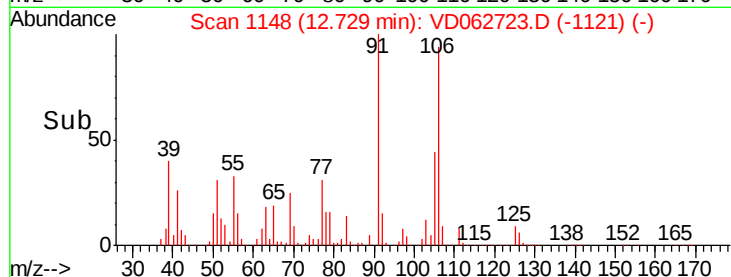
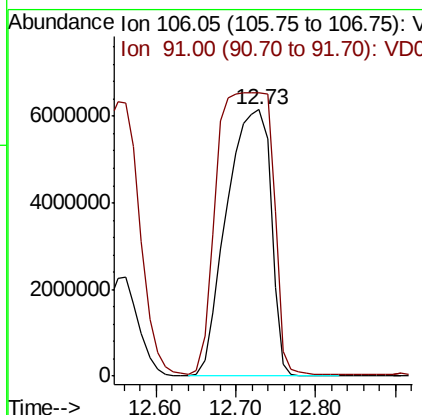
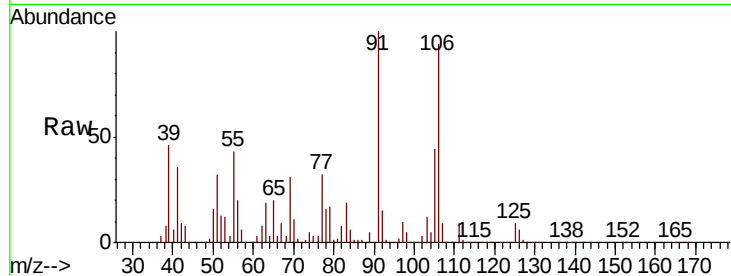




#68
m/p-Xylenes
Concen: 10860.930 ug/l
RT: 12.73 min Scan# 1148
Delta R.T. 0.06 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

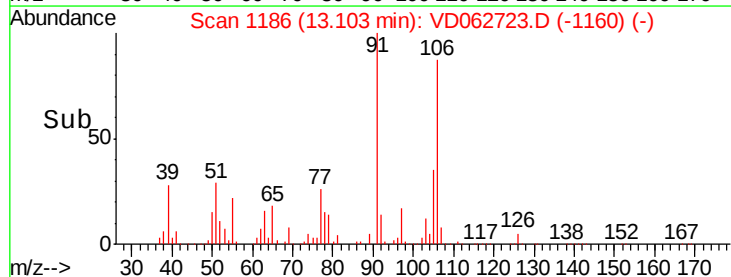
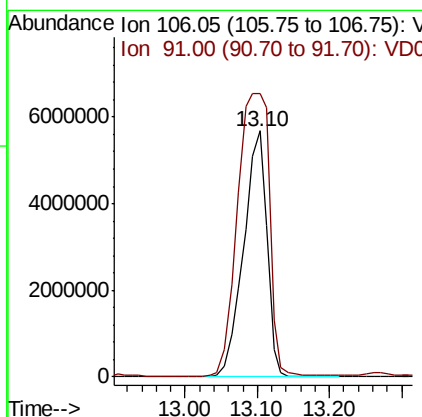
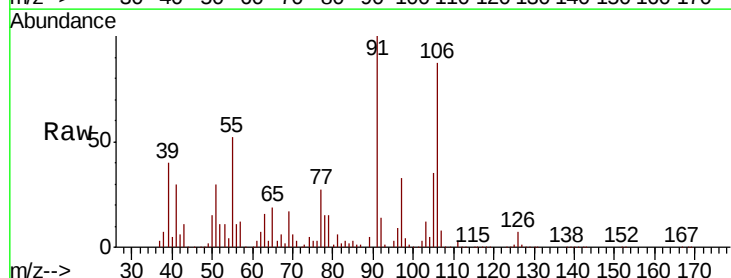
Instrument :
MSVOA_D
ClientSampleId :
WASTE

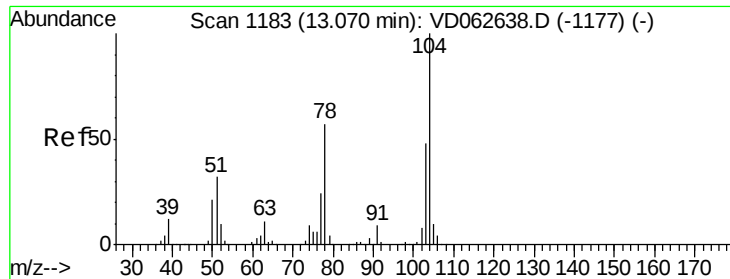
Tgt Ion:106 Resp:23589349
Ion Ratio Lower Upper
106 100
91 106.2 180.2 270.4#



#69
o-Xylene
Concen: 6452.368 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.05 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion:106 Resp:12870678
Ion Ratio Lower Upper
106 100
91 115.1 124.1 372.1#

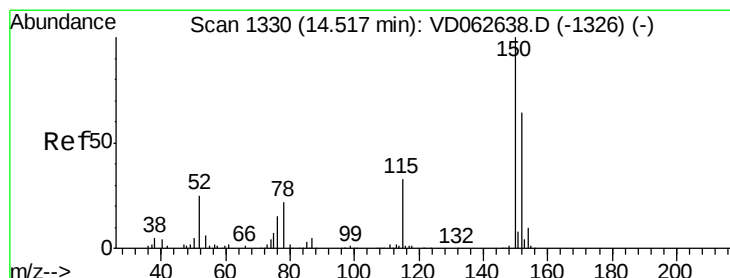
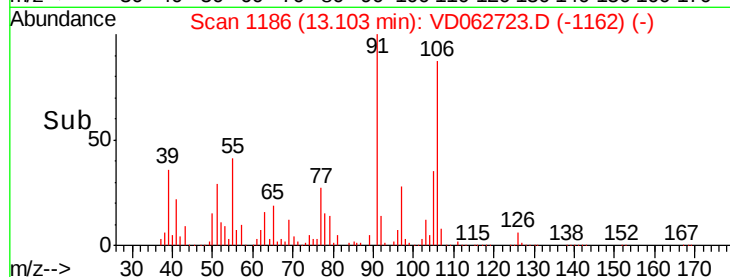
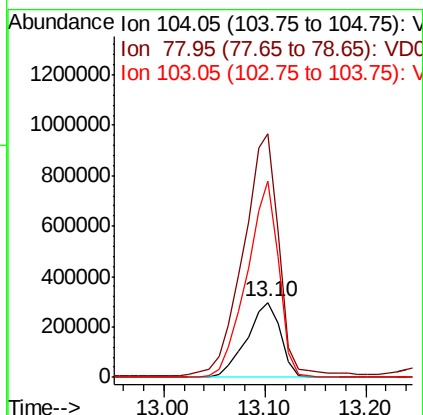
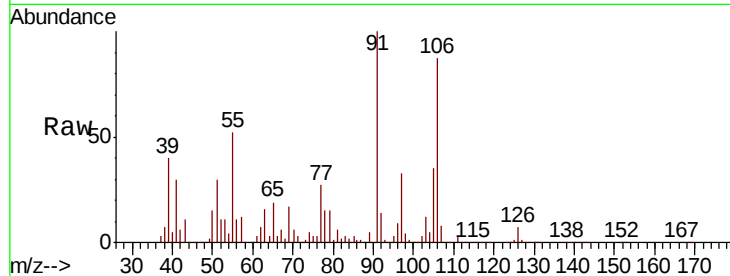




#70
Styrene
Concen: 195.507 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

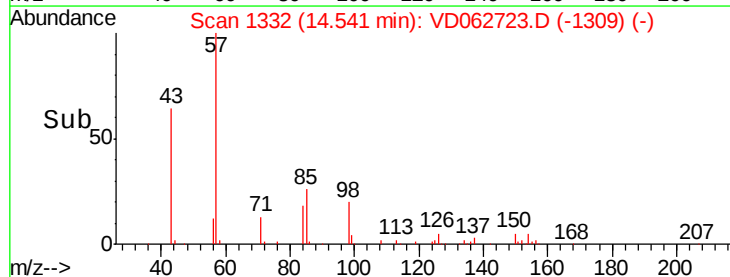
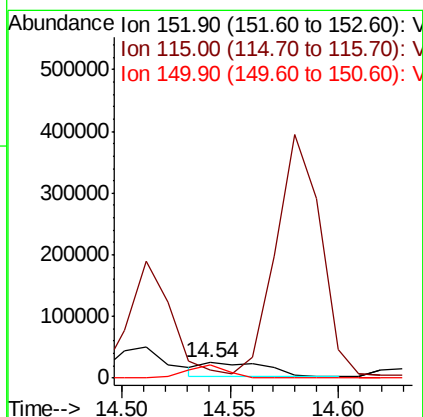
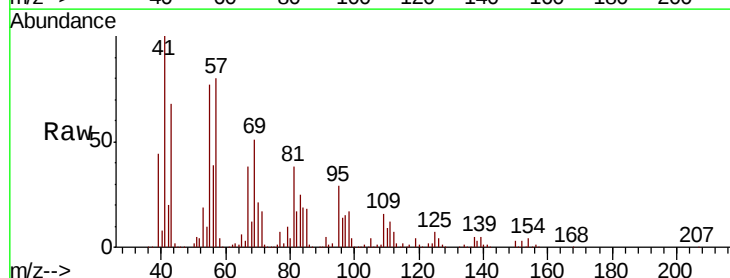
Instrument :
MSVOA_D
ClientSampleId :
WASTE

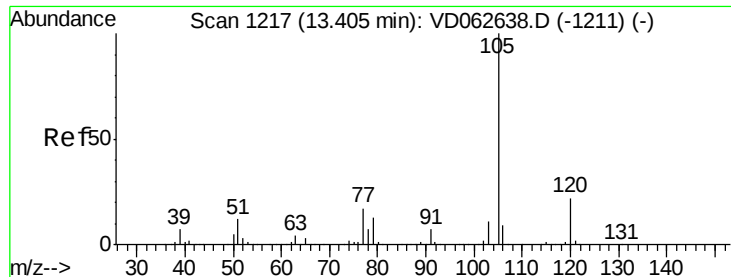
Tgt Ion:104 Resp: 695838
Ion Ratio Lower Upper
104 100
78 325.3 45.9 68.9#
103 261.6 38.4 57.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion:152 Resp: 49128
Ion Ratio Lower Upper
152 100
115 56.7 30.1 90.5
150 87.9 0.0 314.0





#73

Isopropylbenzene

Concen: 3182.223 ug/l

RT: 13.44 min Scan# 1220

Delta R.T. 0.03 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

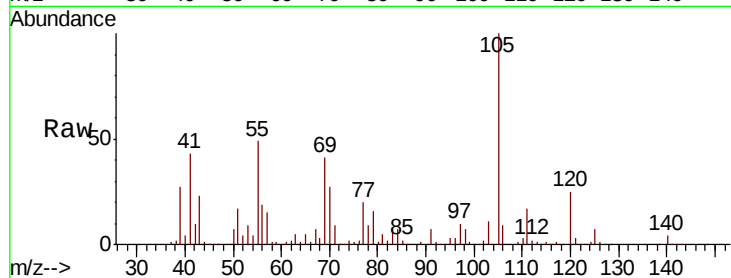
WASTE

Tgt Ion:105 Resp:11019326

Ion Ratio Lower Upper

105 100

120 25.4 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

6000000

5000000

4000000

3000000

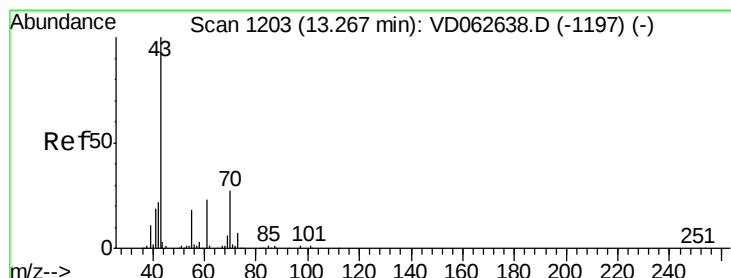
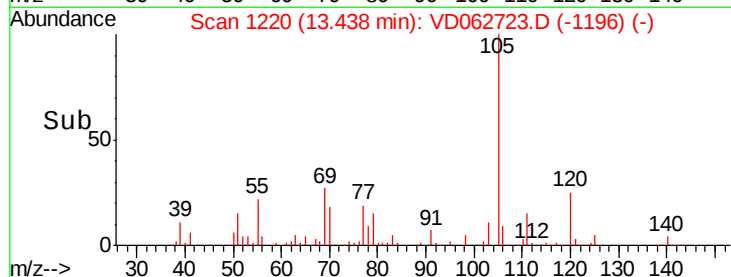
2000000

1000000

0

13.30 13.40 13.50 13.60

Time-->



#74

N-ethyl acetate

Concen: 18246.767 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Tgt Ion: 43 Resp:17076086

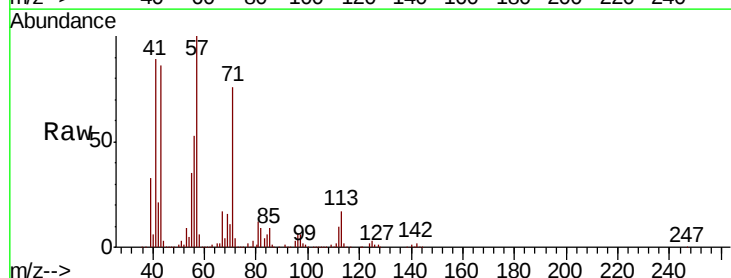
Ion Ratio Lower Upper

43 100

70 13.3 21.8 32.8#

55 40.3 14.6 21.8#

61 0.1 18.4 27.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

1e+07

8000000

6000000

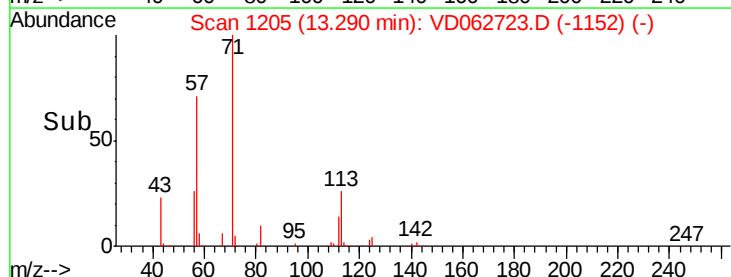
4000000

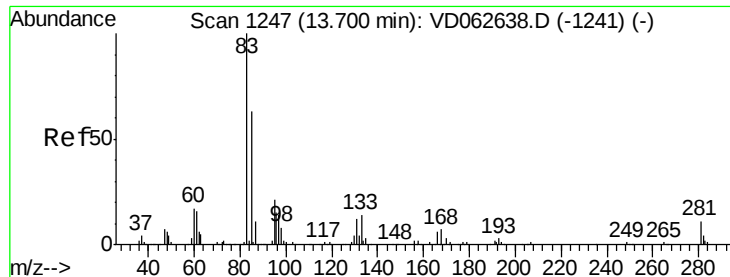
2000000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 625.910 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.04 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampled :

WASTE

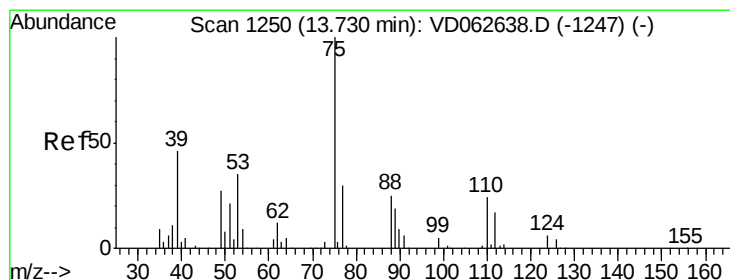
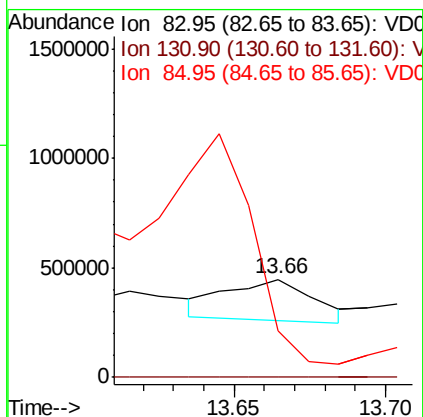
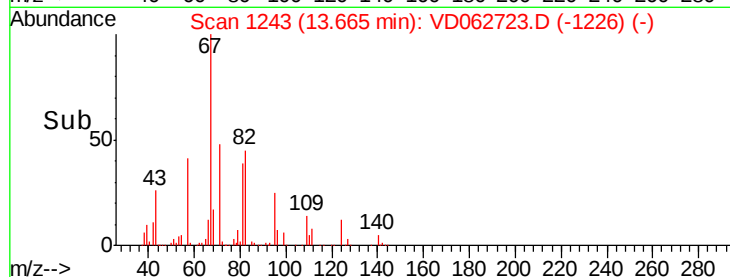
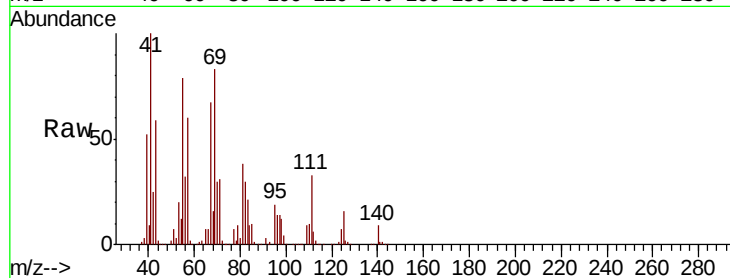
Tgt Ion: 83 Resp: 370857

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

85 47.3 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 293.915 ug/l

RT: 13.81 min Scan# 1258

Delta R.T. 0.08 min

Lab File: VD062723.D

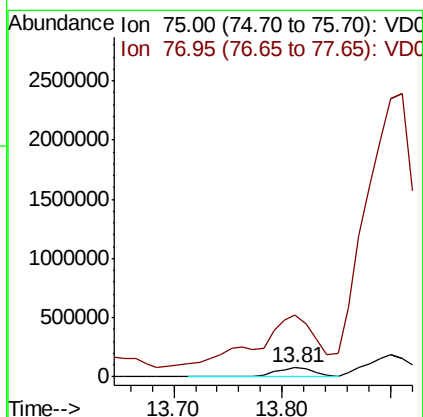
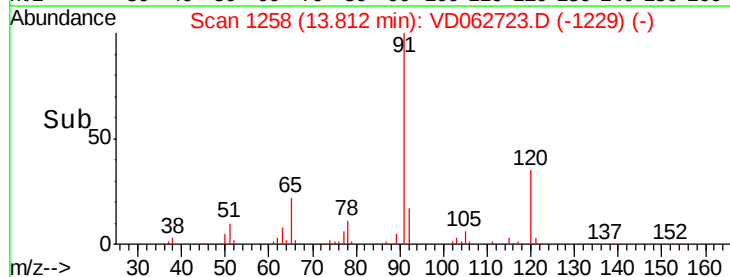
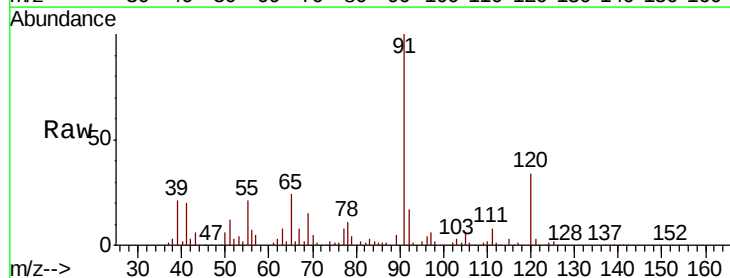
Acq: 17 Jun 2019 13:40

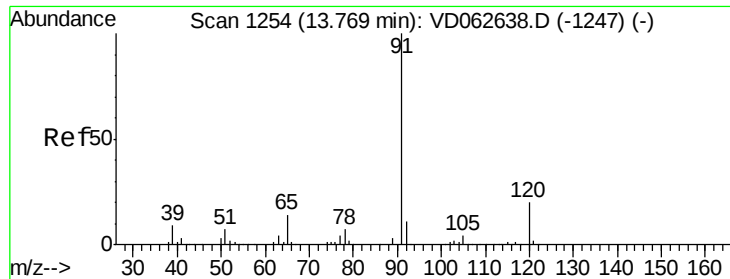
Tgt Ion: 75 Resp: 195785

Ion Ratio Lower Upper

75 100

77 681.9 16.2 48.6#





#78

n-propylbenzene

Concen: 4822.529 ug/l

RT: 13.81 min Scan# 1258

Delta R.T. 0.04 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

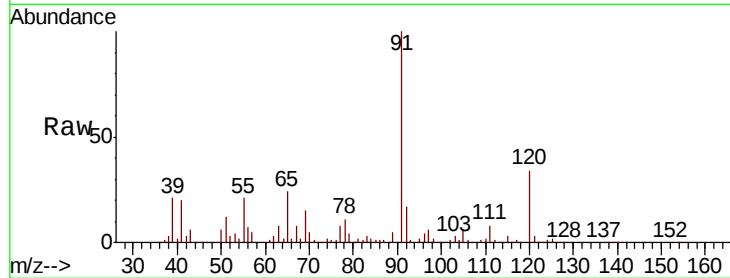
WASTE

Tgt Ion: 91 Resp:20441070

Ion Ratio Lower Upper

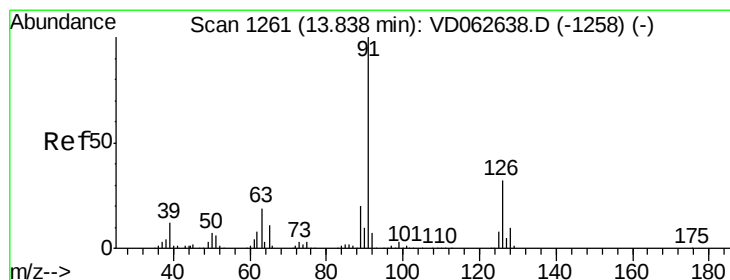
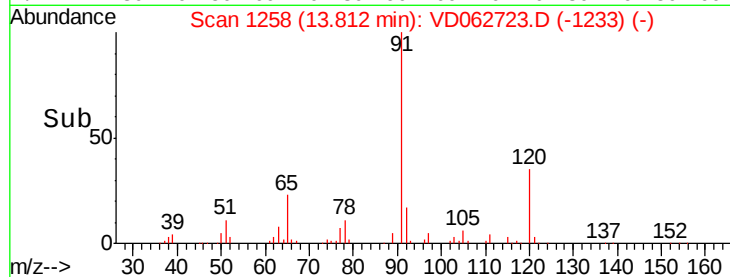
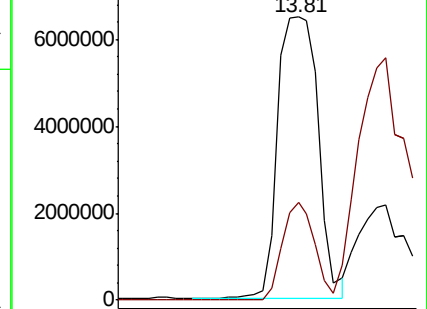
91 100

120 34.4 9.8 29.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#79

2-Chlorotoluene

Concen: 8250.633 ug/l

RT: 13.81 min Scan# 1258

Delta R.T. -0.03 min

Lab File: VD062723.D

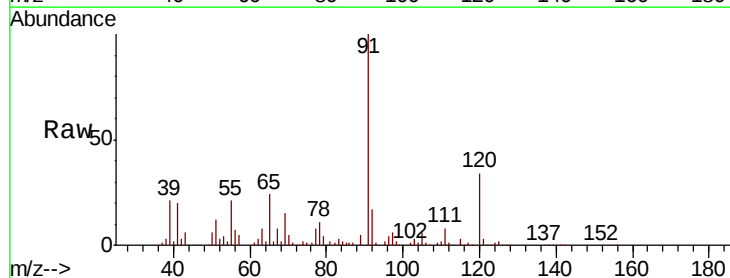
Acq: 17 Jun 2019 13:40

Tgt Ion: 91 Resp:20476512

Ion Ratio Lower Upper

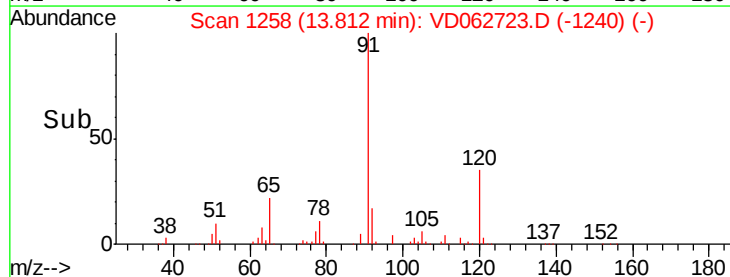
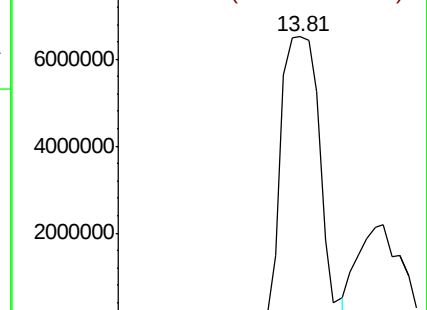
91 100

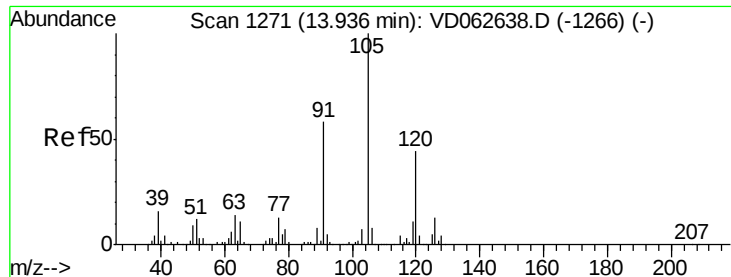
126 0.2 15.8 47.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

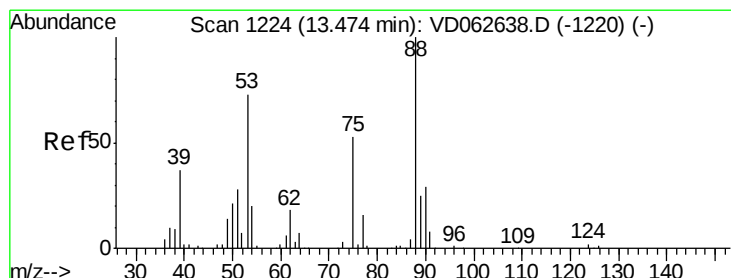
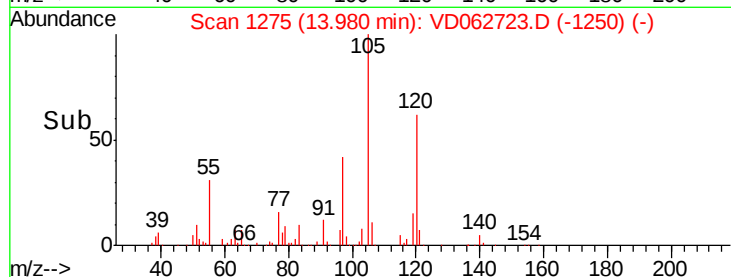
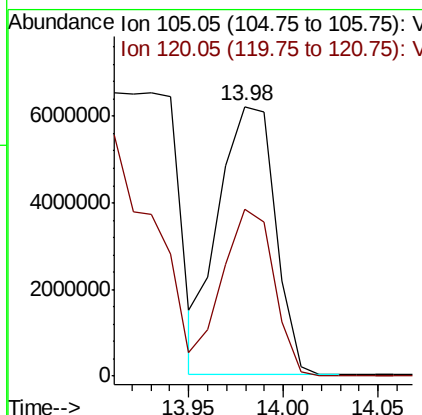
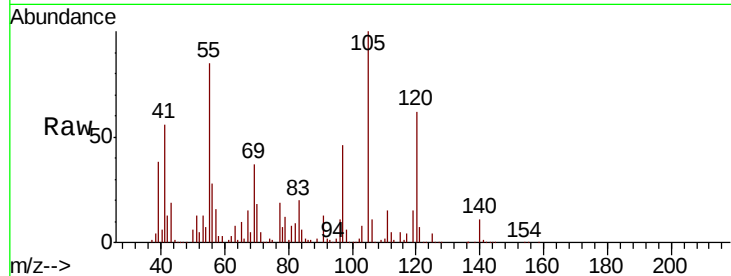




#80
 1,3,5-Trimethylbenzene
 Concen: 4183.482 ug/l
 RT: 13.98 min Scan# 1275
 Delta R.T. 0.04 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

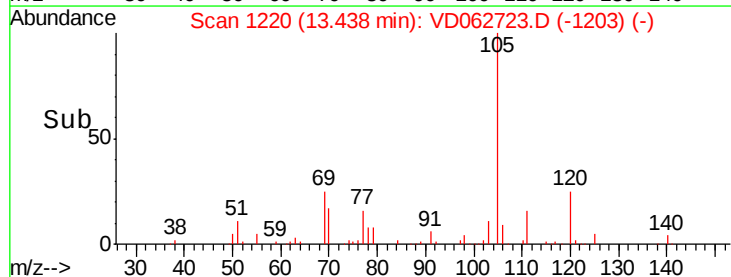
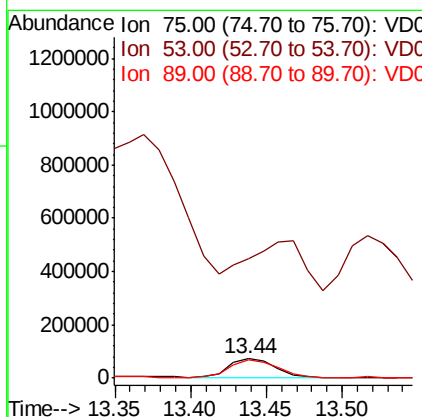
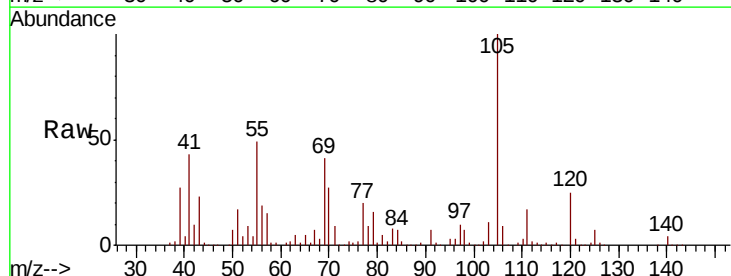
Instrument :
 MSVOA_D
 ClientSampled :
 WASTE

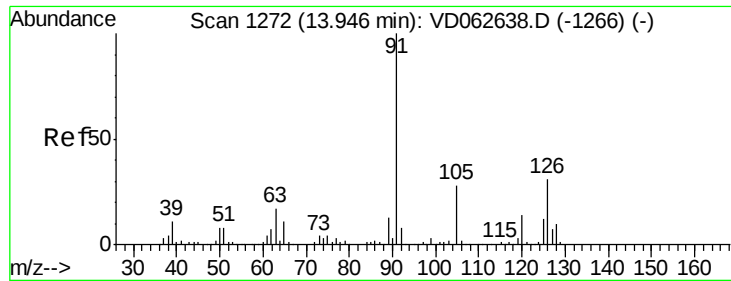
Tgt Ion:105 Resp:12802992
 Ion Ratio Lower Upper
 105 100
 120 61.9 22.1 66.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 705.518 ug/l
 RT: 13.44 min Scan# 1220
 Delta R.T. -0.03 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Tgt Ion: 75 Resp: 150310
 Ion Ratio Lower Upper
 75 100
 53 622.6 109.4 164.2#
 89 97.1 37.0 55.6#

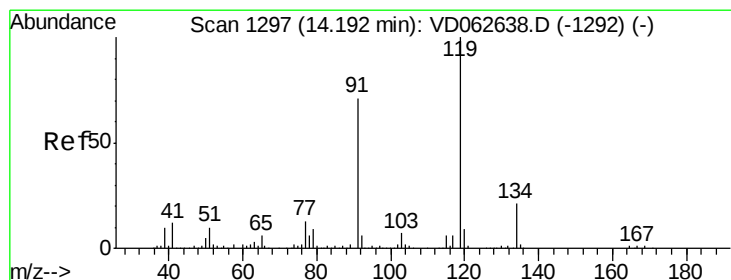
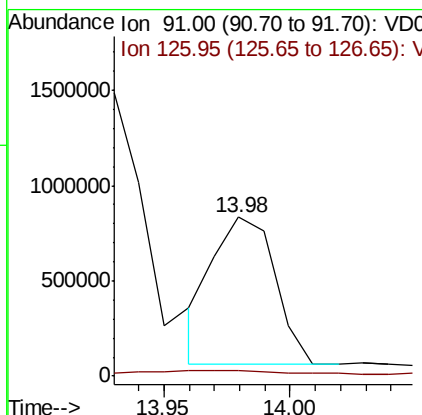
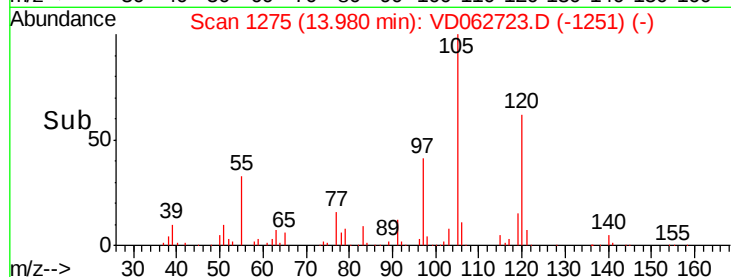
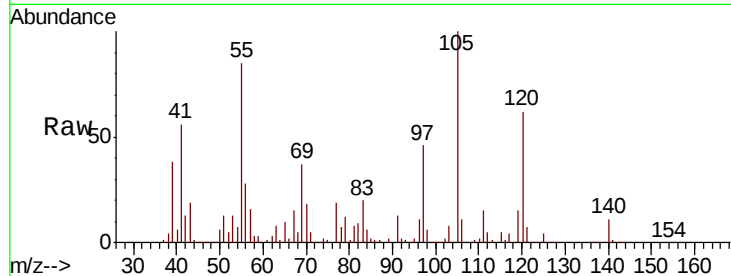




#82
4-Chlorotoluene
Concen: 447.603 ug/l
RT: 13.98 min Scan# 1275
Delta R.T. 0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

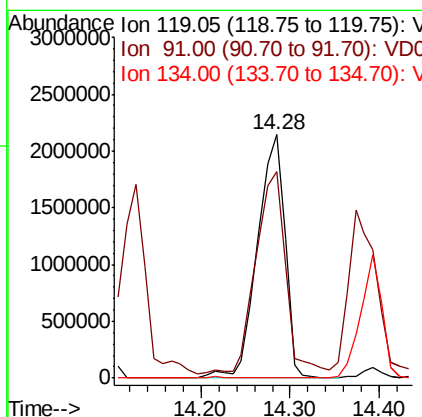
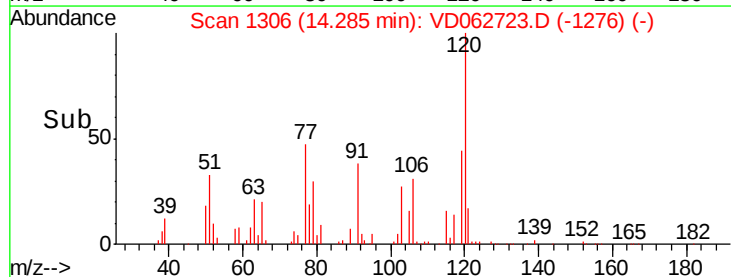
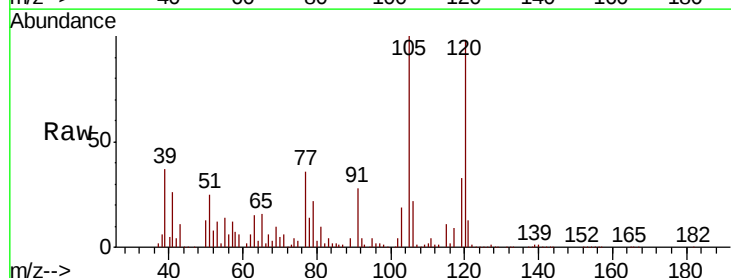
Instrument :
MSVOA_D
ClientSampleId :
WASTE

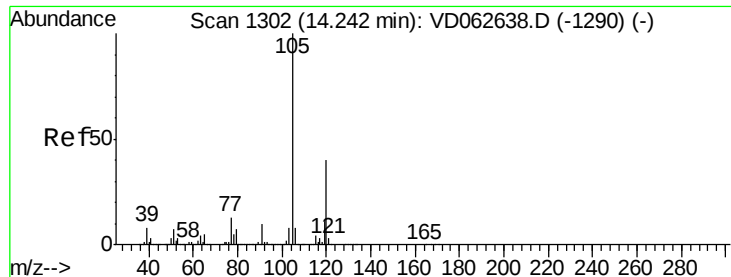
Tgt Ion: 91 Resp: 1328471
Ion Ratio Lower Upper
91 100
126 3.4 15.6 46.8#



#83
tert-Butylbenzene
Concen: 1341.832 ug/l
RT: 14.28 min Scan# 1306
Delta R.T. 0.09 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 119 Resp: 4529266
Ion Ratio Lower Upper
119 100
91 85.1 35.4 106.1
134 0.0 10.8 32.3#



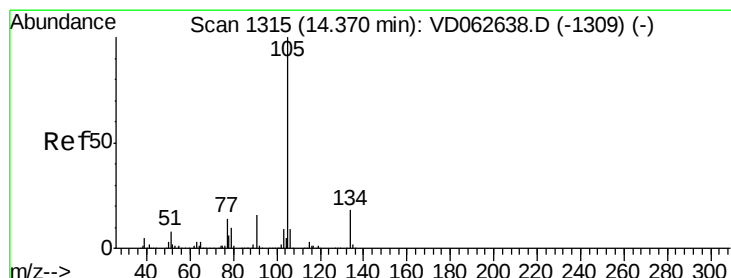
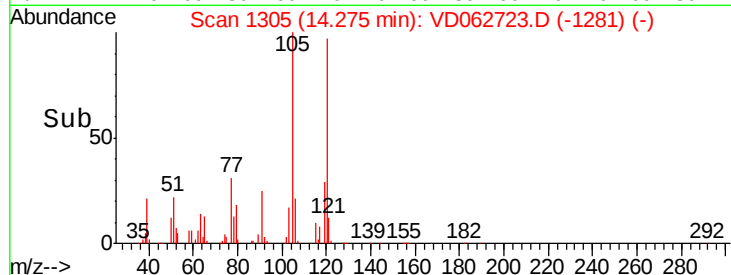
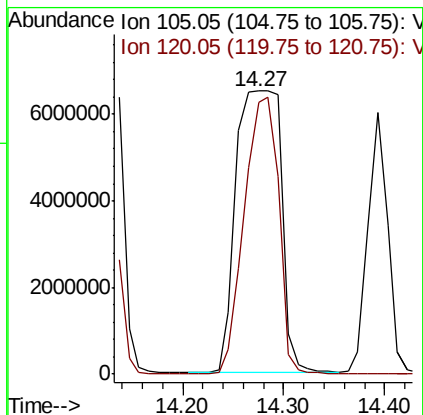
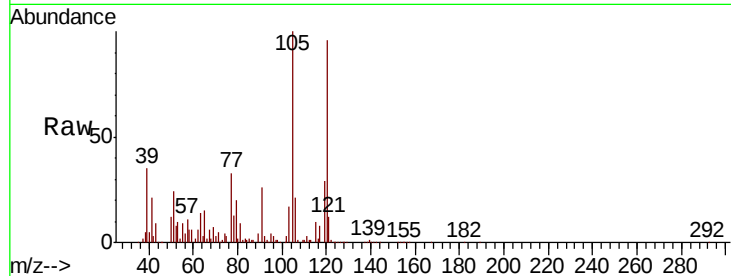


#84

1,2,4-Trimethylbenzene
Concen: 6688.341 ug/l
RT: 14.27 min Scan# 1305
Delta R.T. 0.03 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Instrument :
MSVOA_D
ClientSampleId :
WASTE

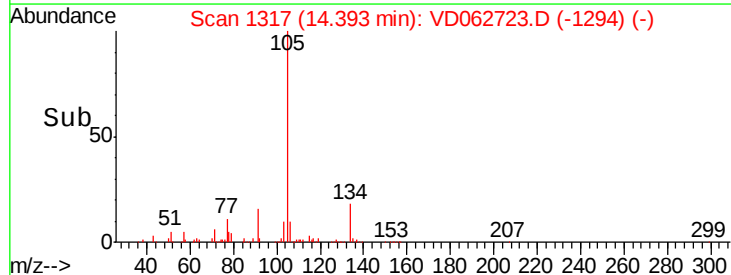
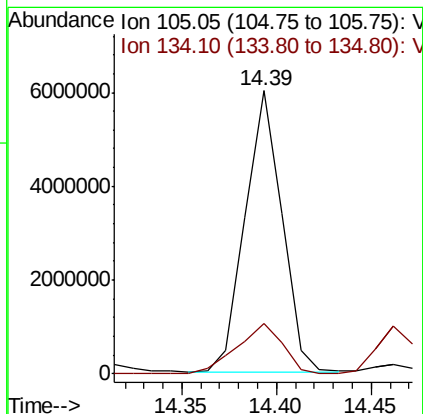
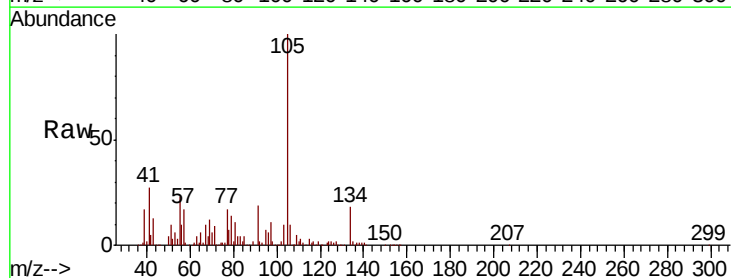
Tgt Ion:105 Resp:20266425
Ion Ratio Lower Upper
105 100
120 96.3 20.3 60.8#

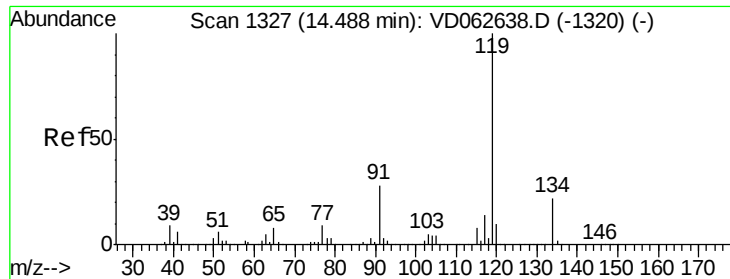


#85

sec-Butylbenzene
Concen: 2295.394 ug/l
RT: 14.39 min Scan# 1317
Delta R.T. 0.02 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion:105 Resp: 8124549
Ion Ratio Lower Upper
105 100
134 18.0 8.8 26.2

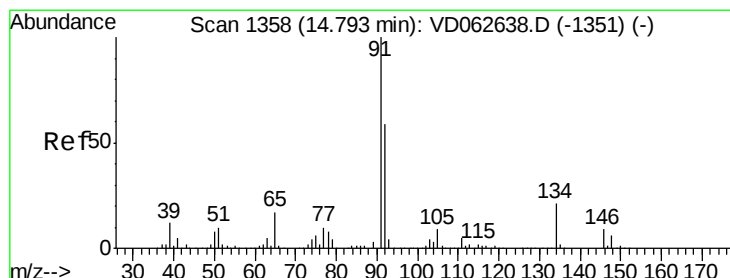
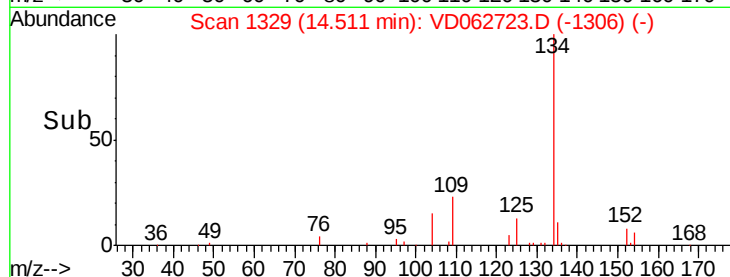
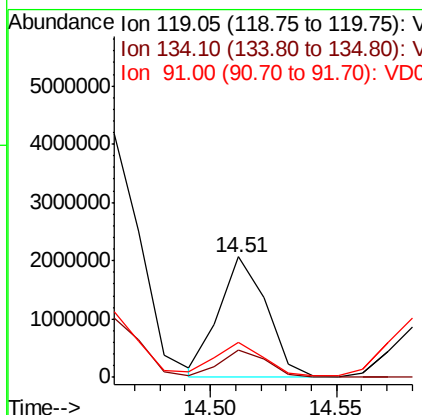
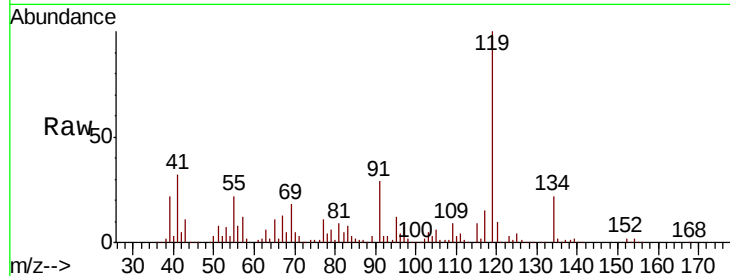




#86
p-Isopropyltoluene
Concen: 782.199 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.02 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

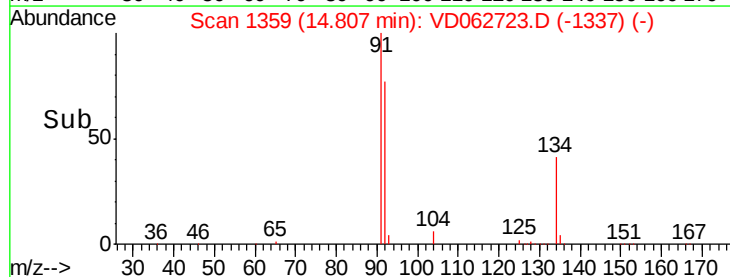
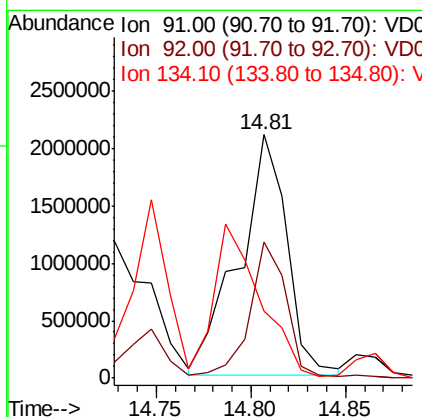
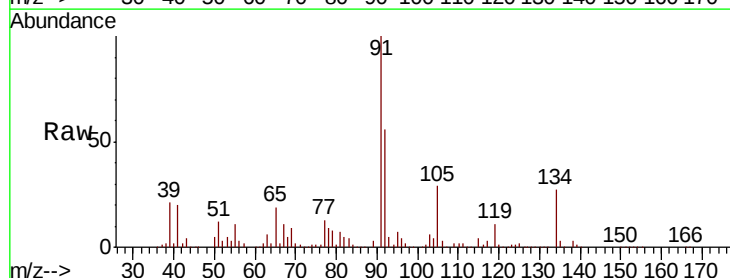
Instrument :
MSVOA_D
ClientSampleId :
WASTE

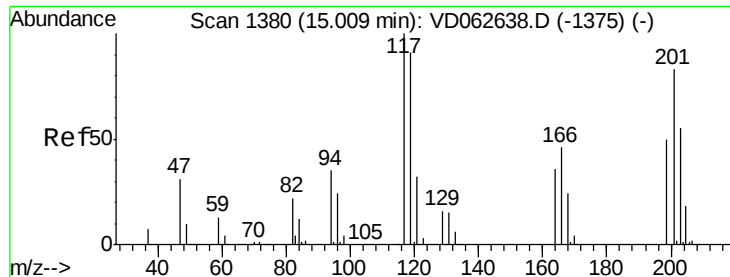
Tgt Ion: 119 Resp: 2695578
Ion Ratio Lower Upper
119 100
134 22.3 10.9 32.6
91 29.3 13.9 41.6



#89
n-Butylbenzene
Concen: 1198.776 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062723.D
Acq: 17 Jun 2019 13:40

Tgt Ion: 91 Resp: 3716522
Ion Ratio Lower Upper
91 100
92 56.1 29.4 88.3
134 27.3 10.4 31.2





#90

Hexachloroethane

Concen: 397.748 ug/l

RT: 14.98 min Scan# 1377

Delta R.T. -0.03 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

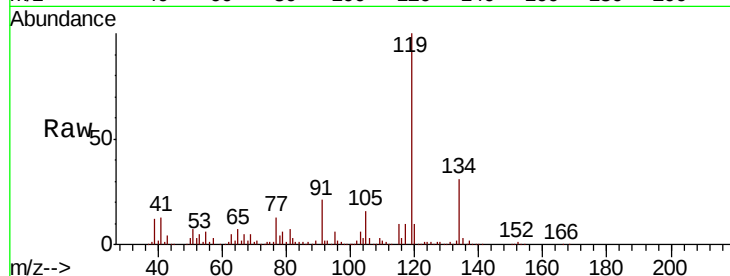
WASTE

Tgt Ion:117 Resp: 361860

Ion Ratio Lower Upper

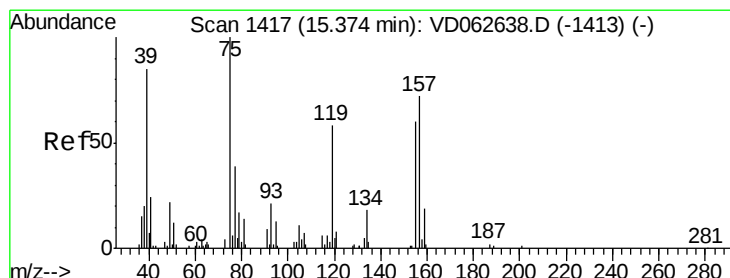
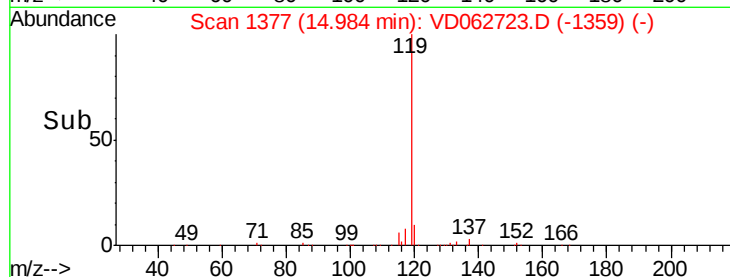
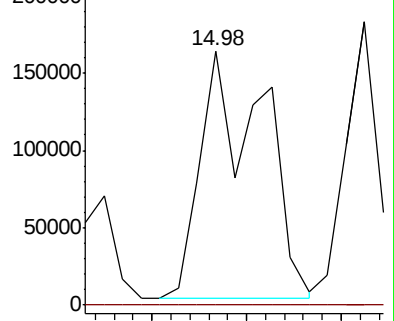
117 100

201 0.0 41.5 124.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.757 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062723.D

Acq: 17 Jun 2019 13:40

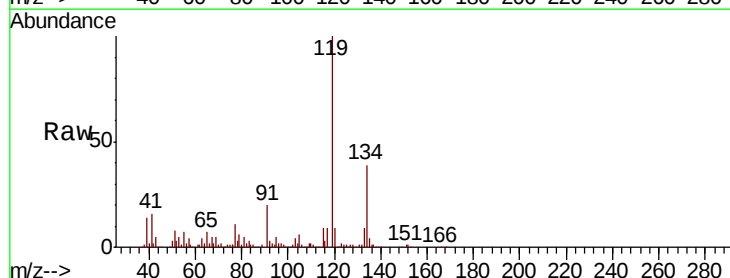
Tgt Ion: 75 Resp: 3513

Ion Ratio Lower Upper

75 100

155 0.0 30.1 90.5#

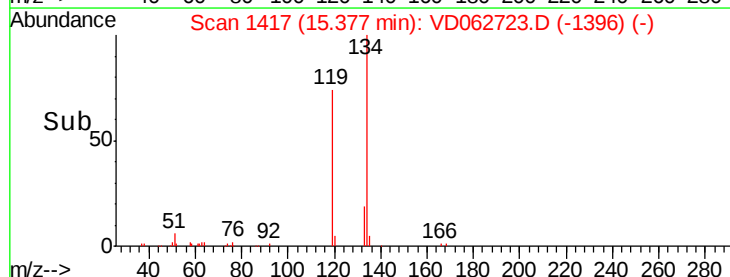
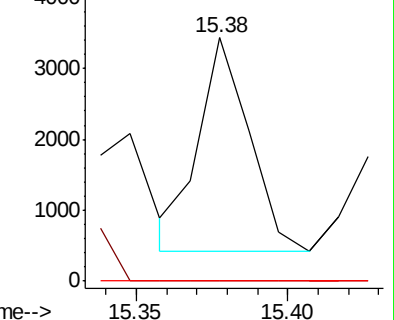
157 0.0 35.9 107.8#

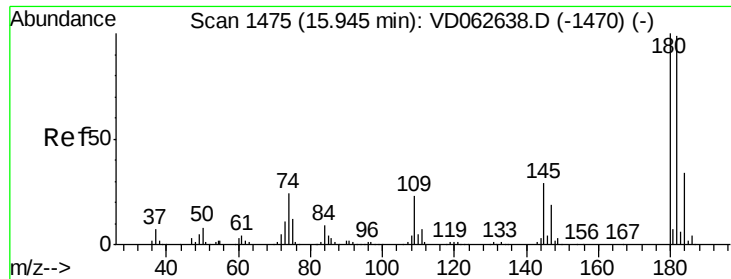


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

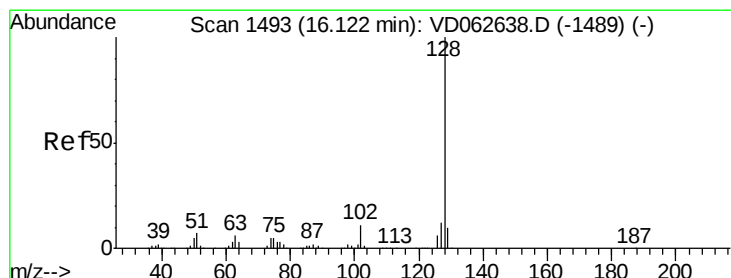
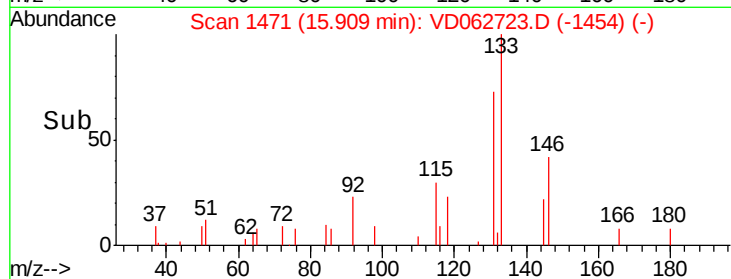
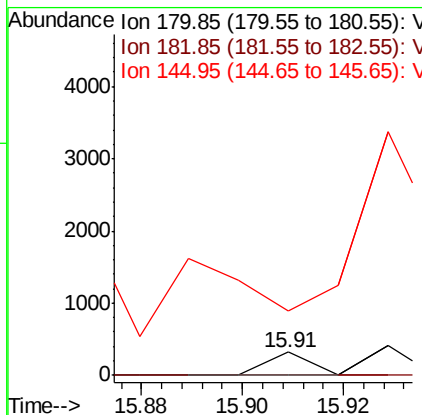
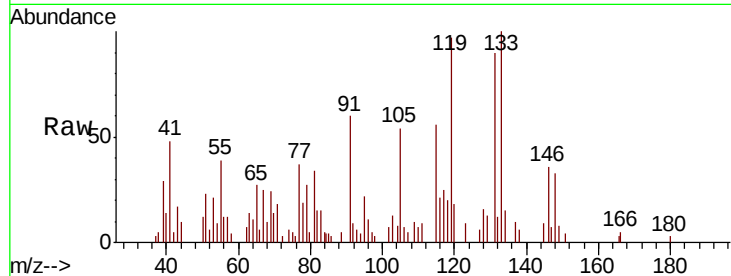




#93
 1,2,4-Trichlorobenzene
 Concen: 3.708 ug/l
 RT: 15.91 min Scan# 1471
 Delta R.T. -0.03 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Tgt Ion:180 Resp: 191
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.4 148.2#
 145 274.4 14.5 43.6#



#95
 Naphthalene
 Concen: 18.129 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062723.D
 Acq: 17 Jun 2019 13:40

Tgt Ion:128 Resp: 28106
 Ion Ratio Lower Upper
 128 100
 127 14.3 9.7 14.5
 129 15.8 8.1 12.1#

