

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062594.D
 Acq On : 3 Jun 2019 19:07
 Operator : VA/AP
 Sample : K3165-09RE
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 13873RE

Quant Time: Jun 04 05:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	33134	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	44000	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	35226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	13541	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	27457	70.67	ug/l	0.00
Spiked Amount						
			Recovery	=	141.34%	
35) Dibromofluoromethane	6.92	113	21328	53.19	ug/l	-0.02
Spiked Amount						
			Recovery	=	106.38%	
50) Toluene-d8	10.40	98	30267	34.45	ug/l	-0.02
Spiked Amount						
			Recovery	=	68.90%	
62) 4-Bromofluorobenzene	13.55	95	14927	37.68	ug/l	0.00
Spiked Amount						
			Recovery	=	75.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	203	Below Cal	#	43
5) Bromomethane	2.15	94	1347	14.130	ug/l #	12
6) Chloroethane	2.31	64	410	2.978	ug/l #	1
11) Tert butyl alcohol	4.06	59	1092	65.899	ug/l #	80
13) Acrolein	3.07	56	724	100.274	ug/l #	10
16) Acetone	3.22	43	47231	618.744	ug/l	93
18) Methyl Acetate	3.63	43	233	1.870	ug/l #	63
20) Methylene Chloride	3.81	84	295	1.044	ug/l #	64
25) 2-Butanone	6.08	43	7461	103.782	ug/l #	92
29) Tetrahydrofuran	6.09	42	245	7.608	ug/l #	27
36) 1,1-Dichloropropene	7.05	75	2049	4.678	ug/l #	41
37) Ethyl Acetate	6.16	43	655	3.547	ug/l #	72
38) Carbon Tetrachloride	7.06	117	3140	4.815	ug/l #	15
39) Methylcyclohexane	8.86	83	535	1.443	ug/l #	10
40) Benzene	7.46	78	58745	68.335	ug/l	95
41) Methacrylonitrile	6.48	41	301	1.385	ug/l #	34
51) 4-Methyl-2-Pentanone	10.31	43	4643	28.957	ug/l #	76
52) Toluene	10.51	92	74877	127.707	ug/l	89
55) 1,1,2-Trichloroethane	11.32	97	193	1.003	ug/l #	16
59) 2-Hexanone	11.55	43	861	7.655	ug/l #	32
67) Ethyl Benzene	12.52	91	25507	20.287	ug/l	95
68) m/p-Xylenes	12.66	106	39069	89.826	ug/l	95
69) o-Xylene	13.05	106	19387	46.726	ug/l	85
70) Styrene	13.07	104	12398	17.599	ug/l #	80
73) Isopropylbenzene	13.40	105	2740	3.069	ug/l #	52
74) N-amyl acetate	13.20	43	968	4.253	ug/l #	51
78) n-propylbenzene	13.78	91	4641	4.510	ug/l	84
79) 2-Chlorotoluene	13.85	91	2762	4.629	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.94	105	9983	13.087	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.55	75	7419	159.379	ug/l #	5
82) 4-Chlorotoluene	13.94	91	2251	3.151	ug/l #	41
83) tert-Butylbenzene	14.24	119	3343	3.928	ug/l #	65
84) 1,2,4-Trimethylbenzene	14.24	105	29431	37.863	ug/l	91
85) sec-Butylbenzene	14.24	105	29429	32.638	ug/l #	60

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QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

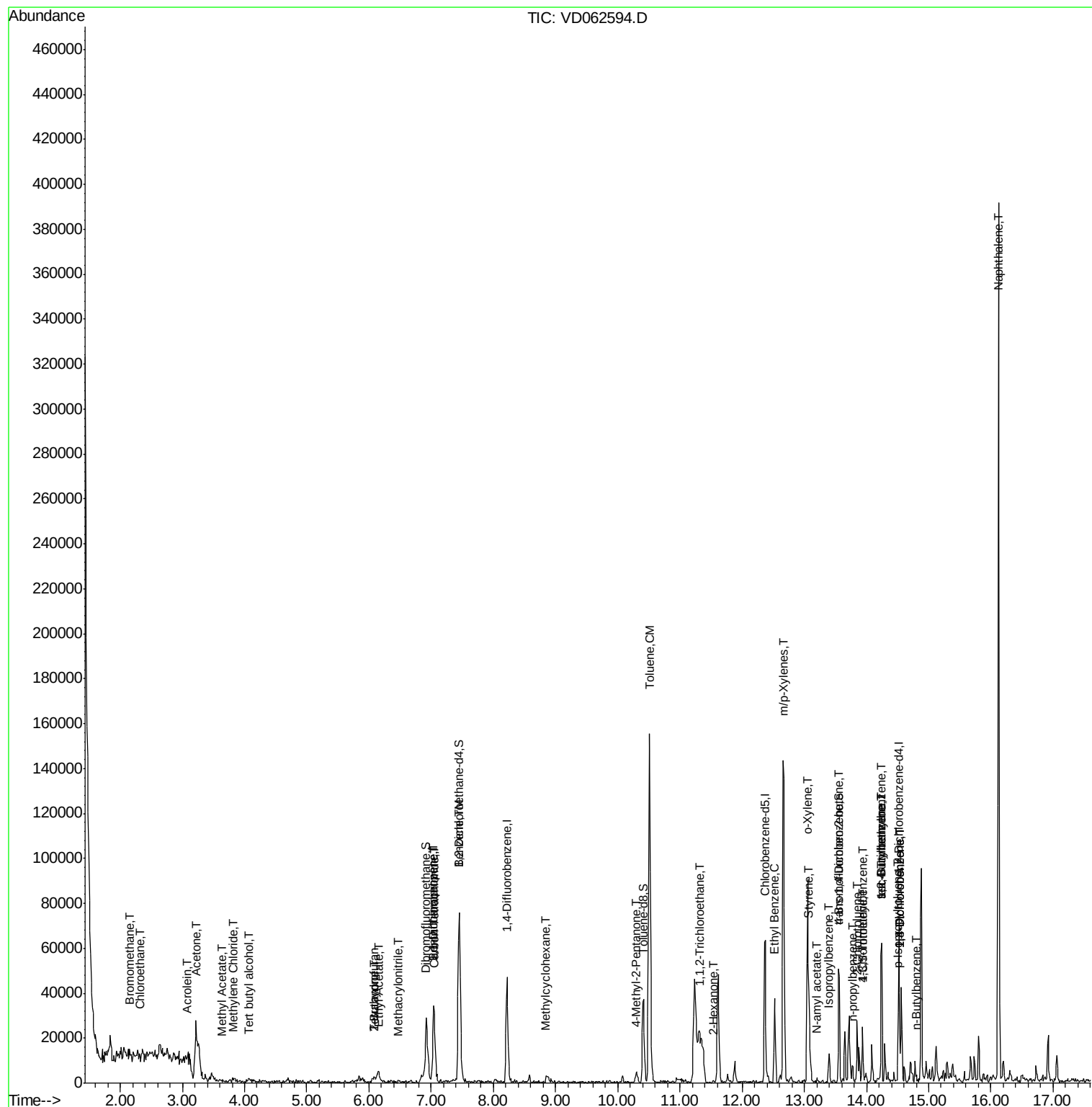
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	14.50	119	843	1.001	ug/l #	50
87) 1,3-Dichlorobenzene	14.54	146	879	2.072	ug/l #	25
88) 1,4-Dichlorobenzene	14.54	146	879	2.067	ug/l #	26
89) n-Butylbenzene	14.80	91	1021	1.358	ug/l #	74
95) Naphthalene	16.12	128	213297	548.792	ug/l	99

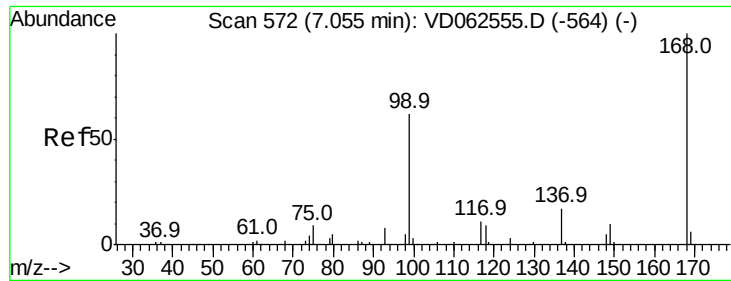
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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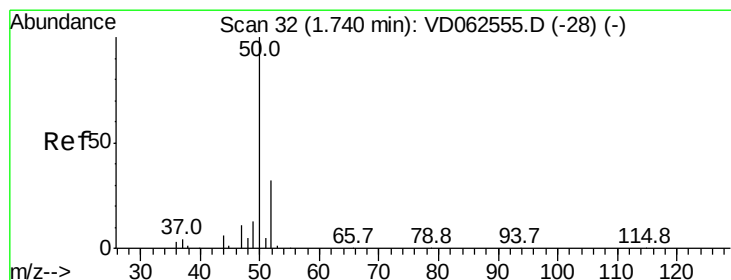
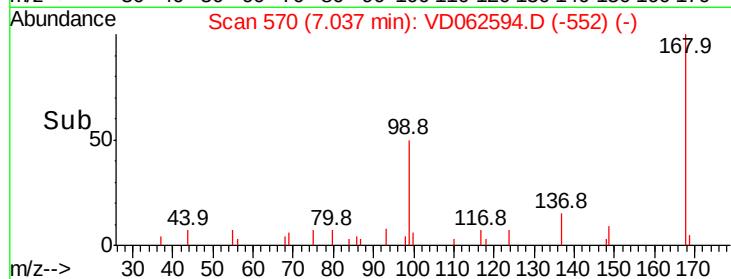
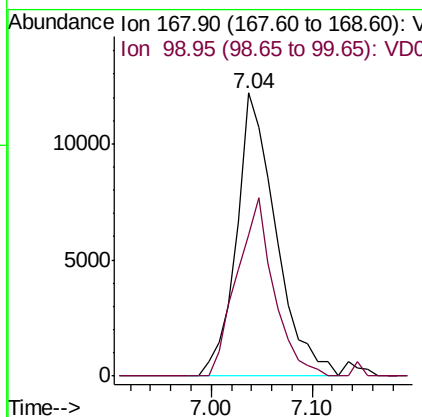
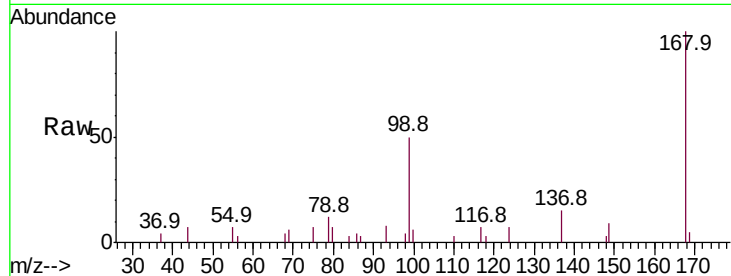




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.02 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

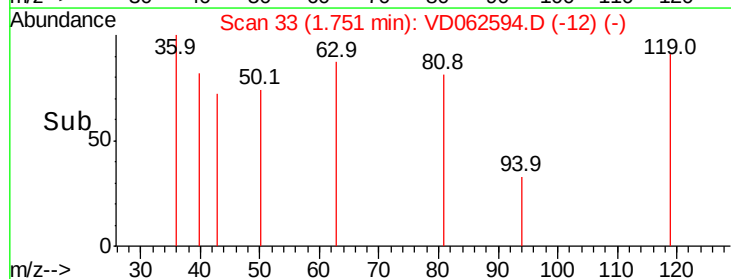
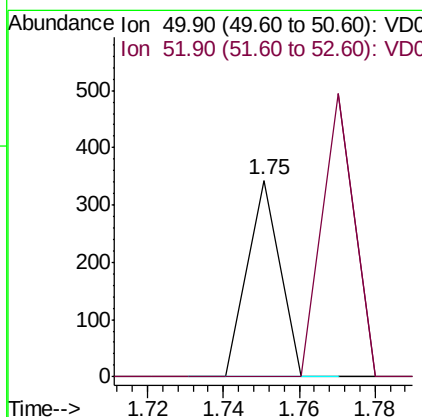
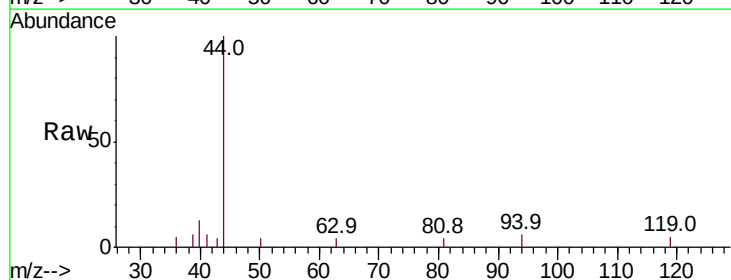
Instrument :
MSVOA_D
ClientSampleId :
13873RE

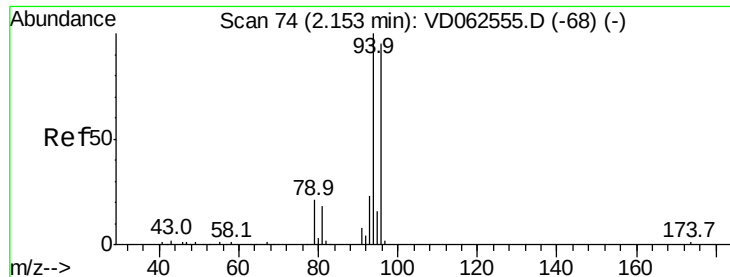
Tot Ion:168 Resp: 33134
Ion Ratio Lower Upper
168 100
99 49.9 50.8 76.2#



#3
Chloromethane
Concen: Below Cal
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Tgt Ion: 50 Resp: 203
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#5

Bromomethane

Concen: 14.130 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampled :

13873RE

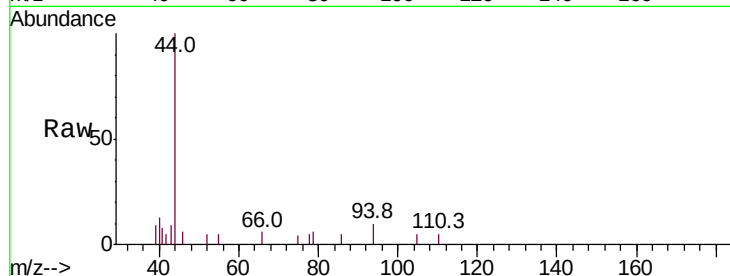
Tot Ion: 94 Resp: 1347

Ion Ratio Lower Upper

94 100

96 0.0 76.2 114.4#

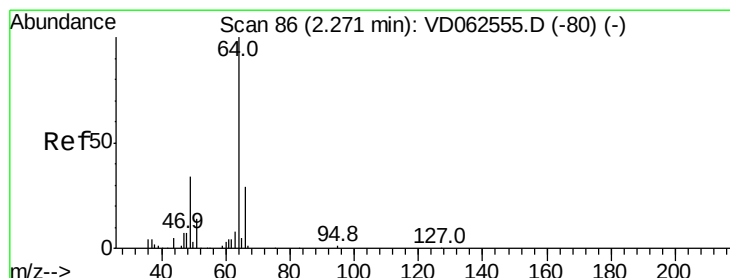
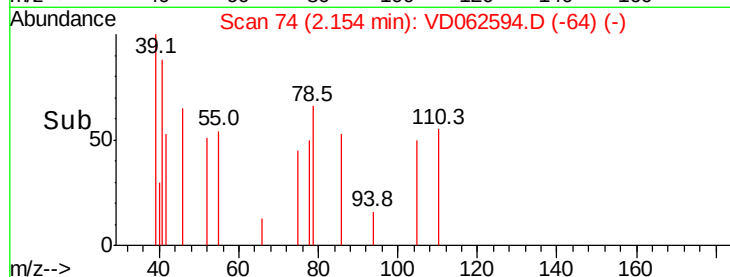
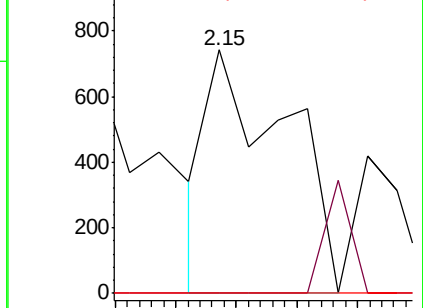
93 0.0 18.4 27.6#



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



#6

Chloroethane

Concen: 2.978 ug/l

RT: 2.31 min Scan# 90

Delta R.T. 0.04 min

Lab File: VD062594.D

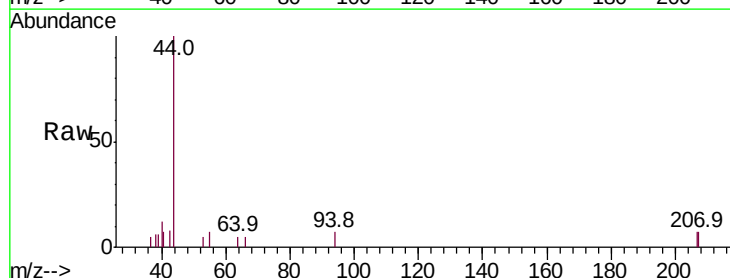
Acq: 3 Jun 2019 19:07

Tgt Ion: 64 Resp: 410

Ion Ratio Lower Upper

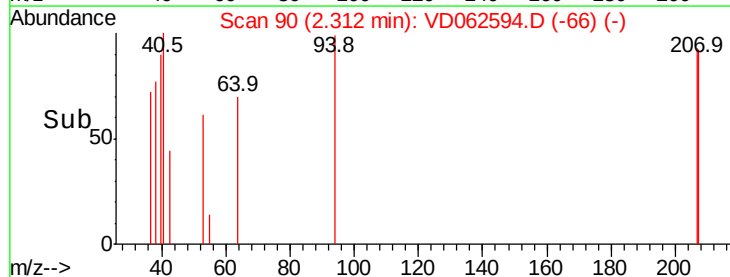
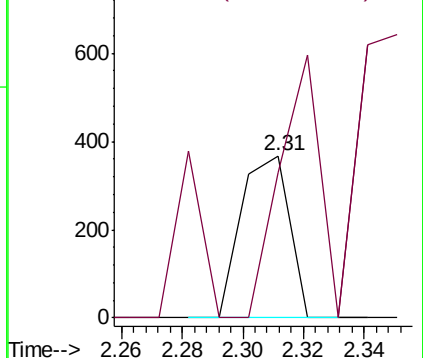
64 100

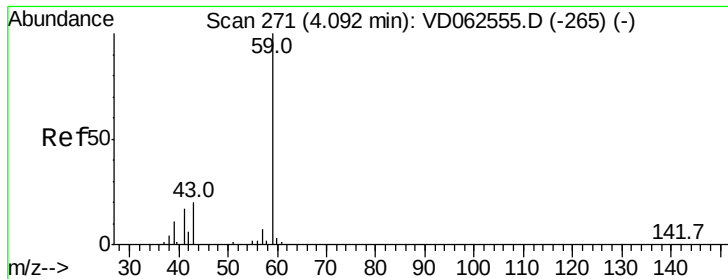
66 89.6 23.4 35.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



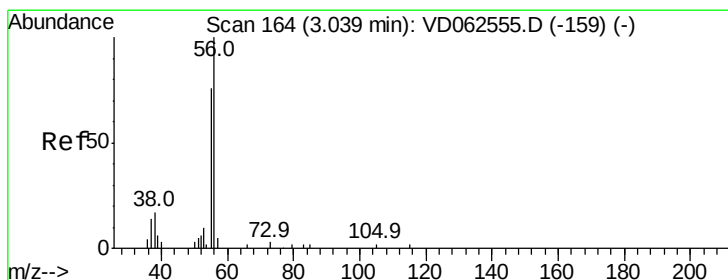
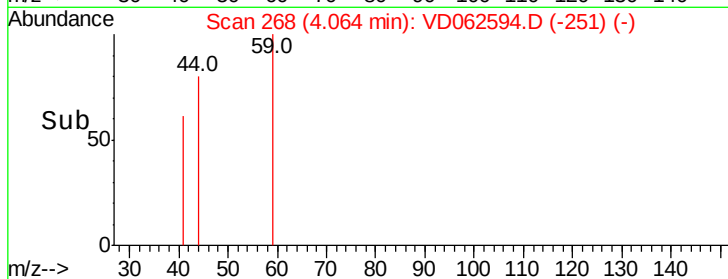
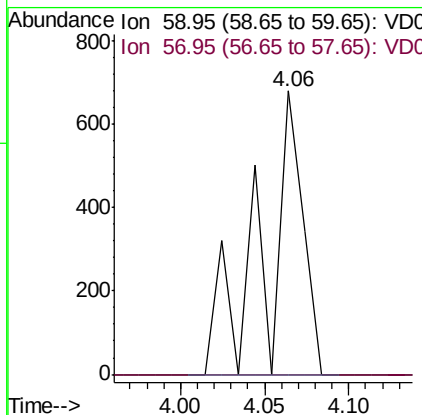
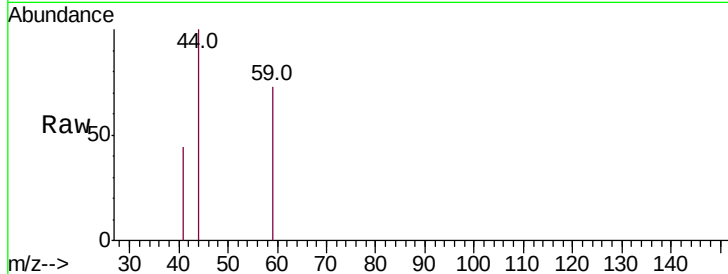


#11

Tert butyl alcohol
Concen: 65.899 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.03 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

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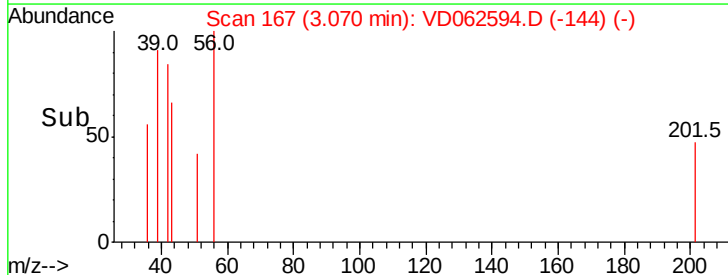
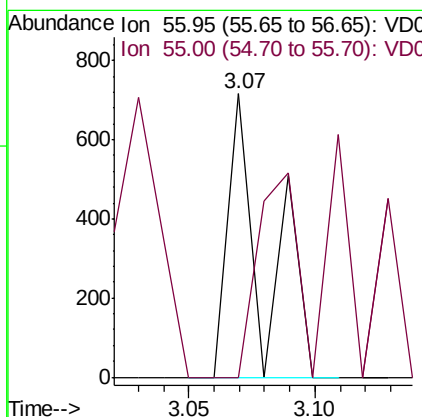
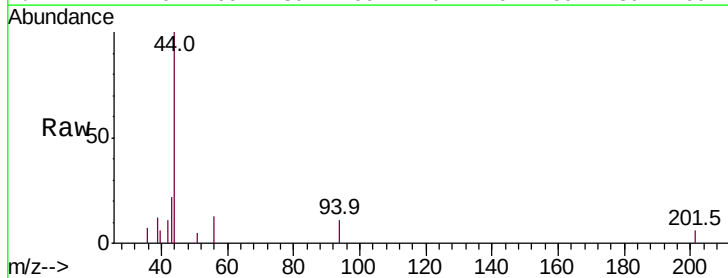
Tot Ion: 59 Resp: 1092
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.0#

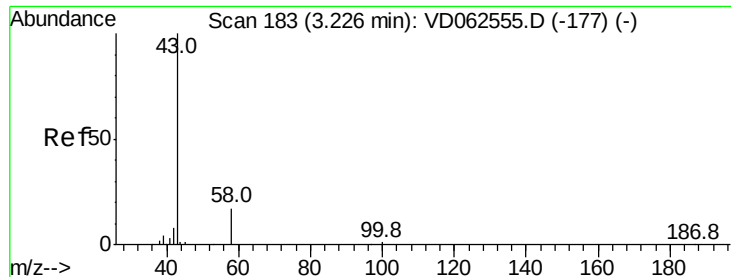


#13

Acrolein
Concen: 100.274 ug/l
RT: 3.07 min Scan# 167
Delta R.T. 0.03 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Tgt Ion: 56 Resp: 724
Ion Ratio Lower Upper
56 100
55 0.0 62.6 93.8#

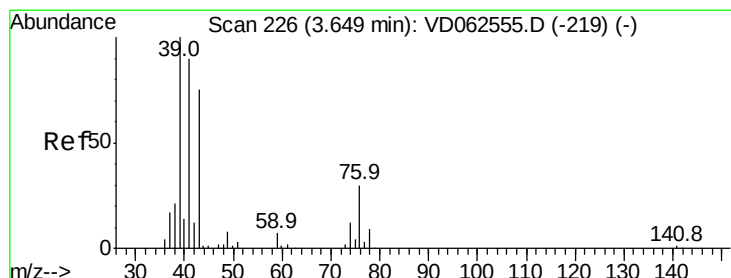
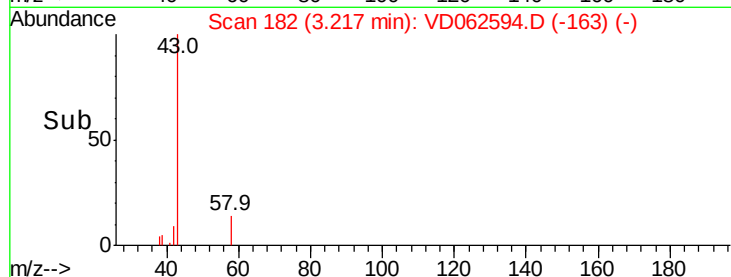
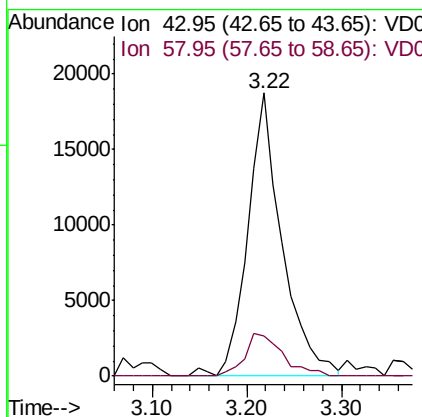
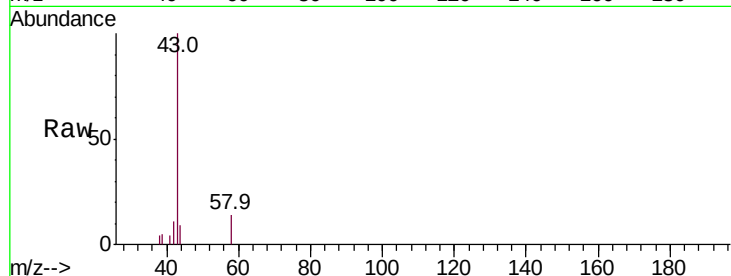




#16
Acetone
Concen: 618.744 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

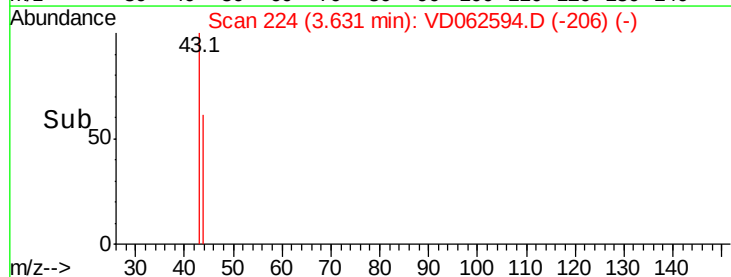
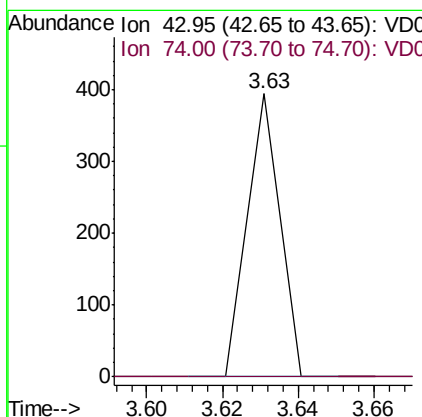
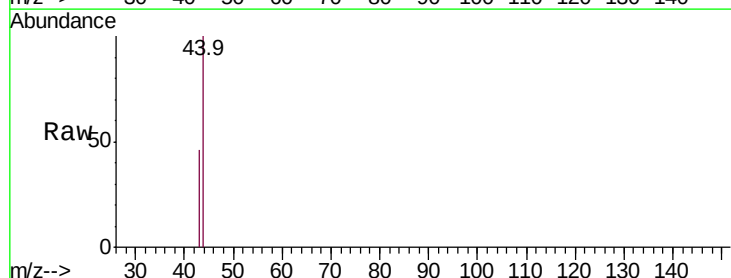
Instrument :
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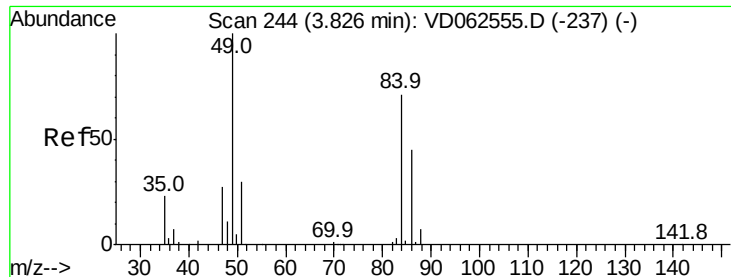
Tot Ion: 43 Resp: 47231
Ion Ratio Lower Upper
43 100
58 14.4 13.8 20.8



#18
Methyl Acetate
Concen: 1.870 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
74 0.0 12.5 18.7#

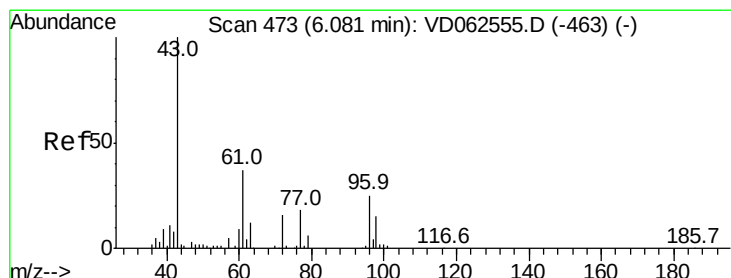
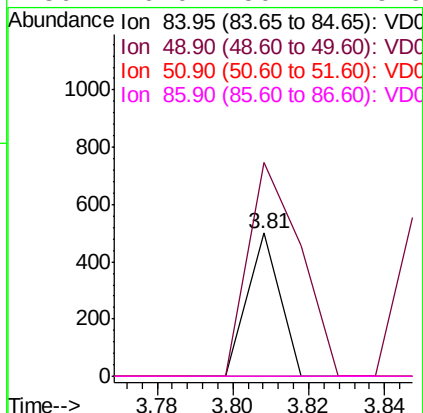
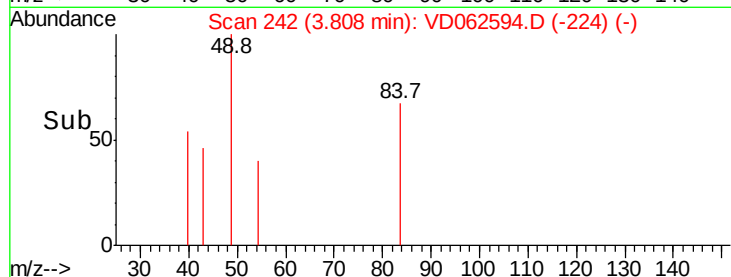
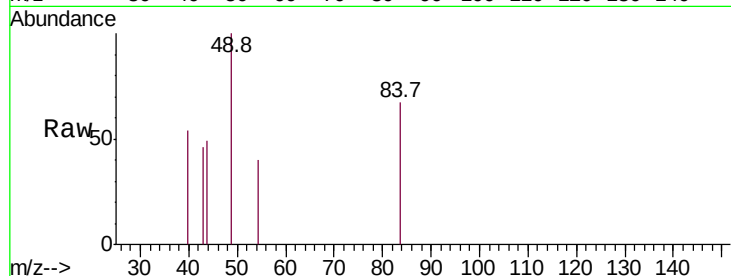




#20
Methvlene Chloride
Concen: 1.044 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

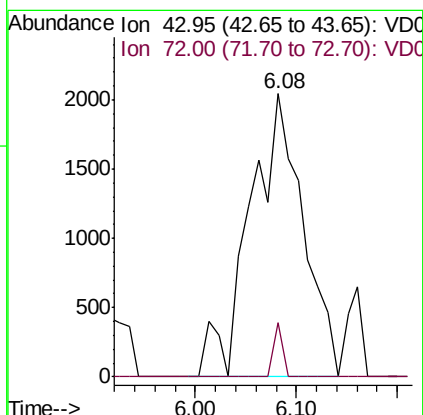
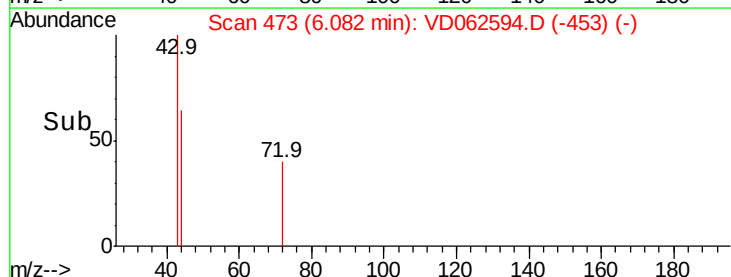
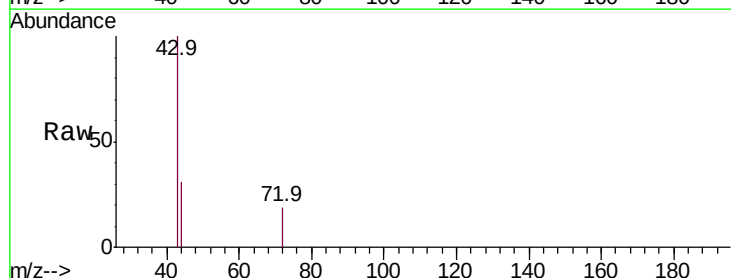
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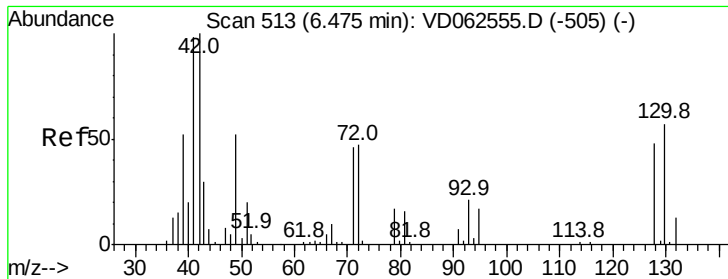
Tot Ion: 84 Resp: 295
Ion Ratio Lower Upper
84 100
49 149.2 112.3 168.5
51 0.0 33.6 50.4#
86 0.0 50.4 75.6#



#25
2-Butanone
Concen: 103.782 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Tgt Ion: 43 Resp: 7461
Ion Ratio Lower Upper
43 100
72 19.2 12.7 19.1#





#29

Tetrahydrofuran

Concen: 7.608 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.38 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampled :

13873RE

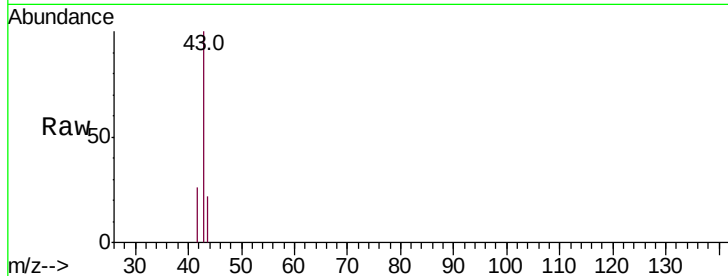
Tot Ion: 42 Resp: 245

Ion Ratio Lower Upper

42 100

72 94.7 34.5 51.7#

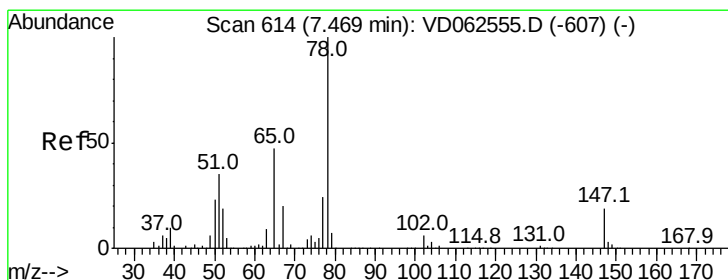
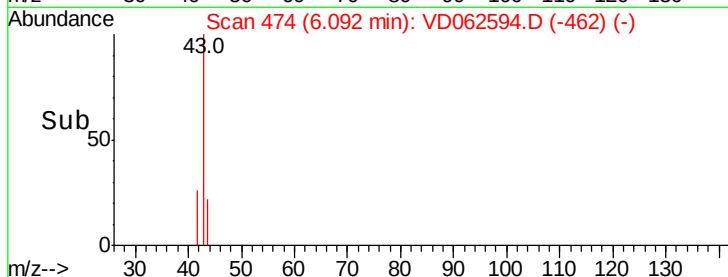
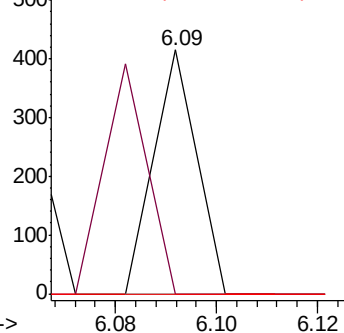
71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 70.673 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062594.D

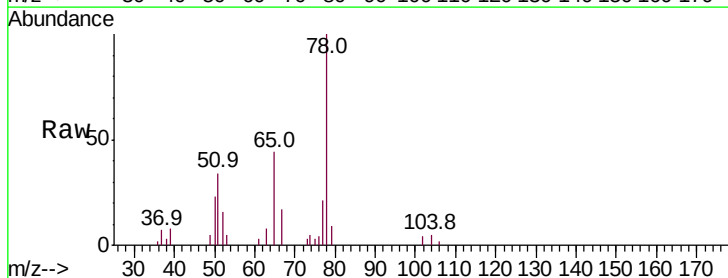
Acq: 3 Jun 2019 19:07

Tgt Ion: 65 Resp: 27457

Ion Ratio Lower Upper

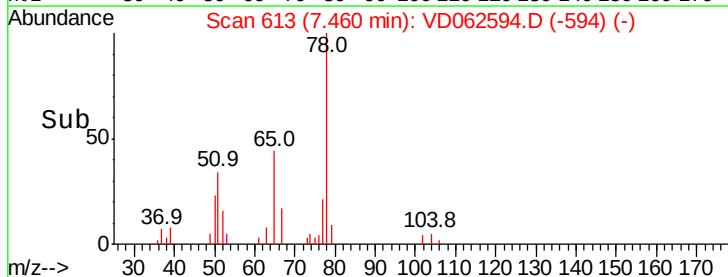
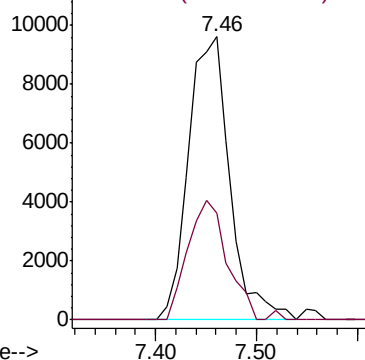
65 100

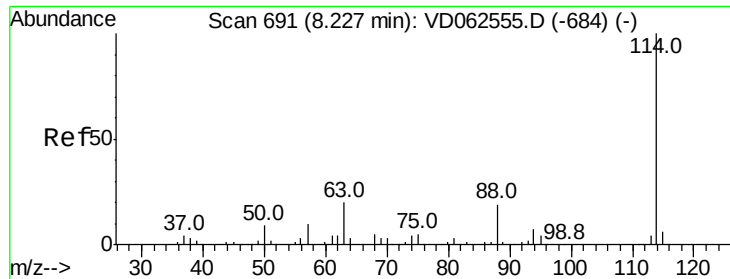
67 37.7 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

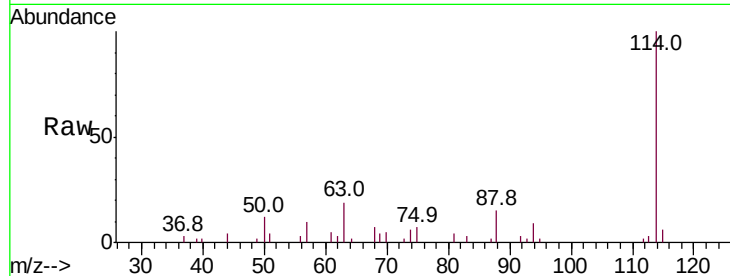




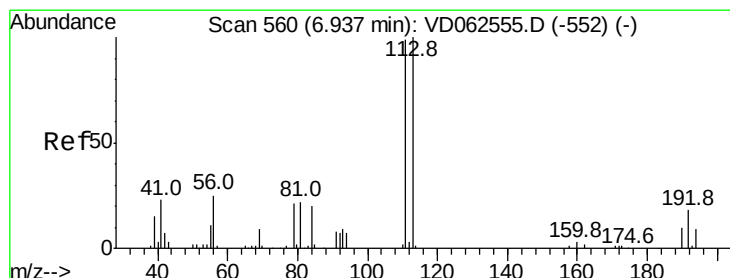
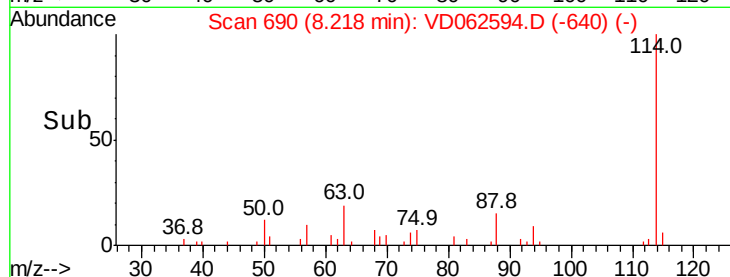
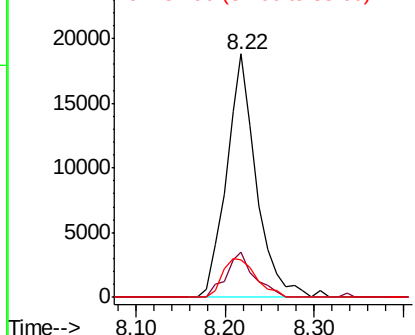
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

Instrument :
 MSVOA_D
 ClientSampleId :
 13873RE

Tot Ion:114 Resp: 44000
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.6
 88 15.2 0.0 37.6

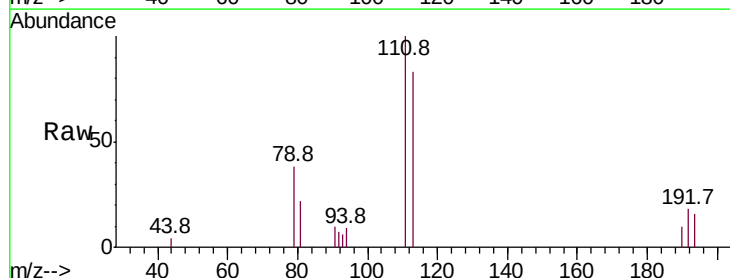


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

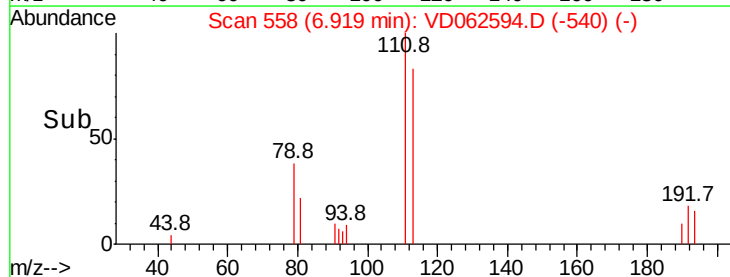
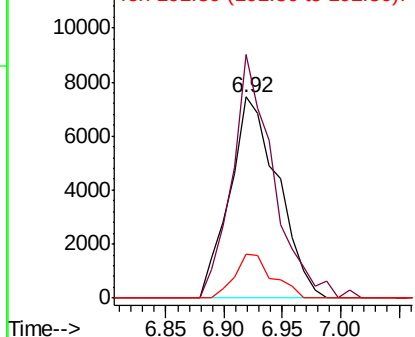


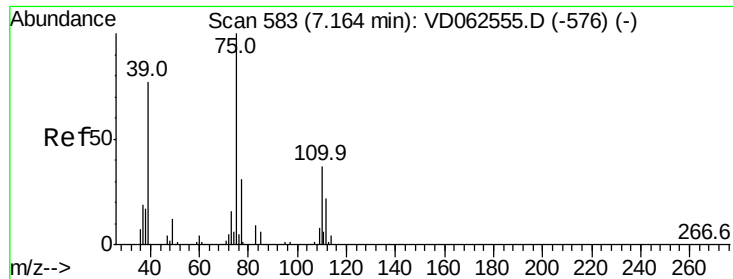
#35
 Dibromofluoromethane
 Concen: 53.193 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

Tgt Ion:113 Resp: 21328
 Ion Ratio Lower Upper
 113 100
 111 121.1 78.8 118.2#
 192 22.0 14.6 22.0#



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: 4.678 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampled :

13873RE

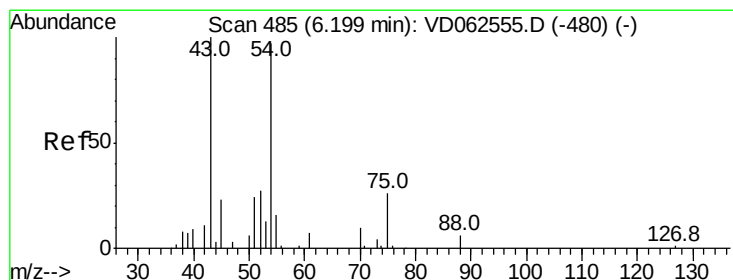
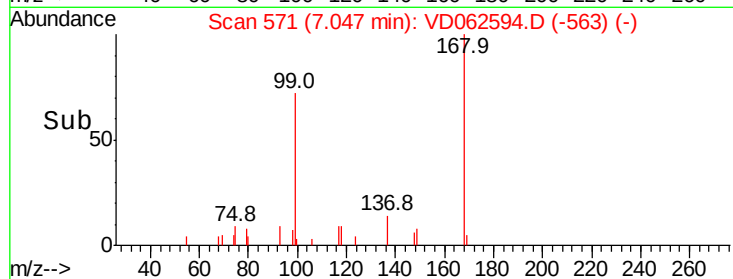
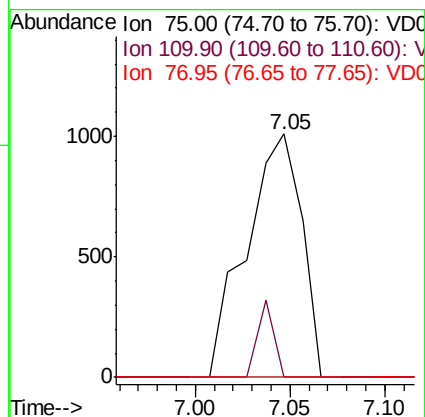
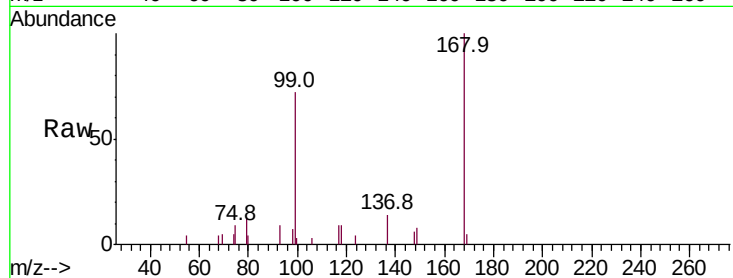
Tot Ion: 75 Resp: 2049

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.547 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.04 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

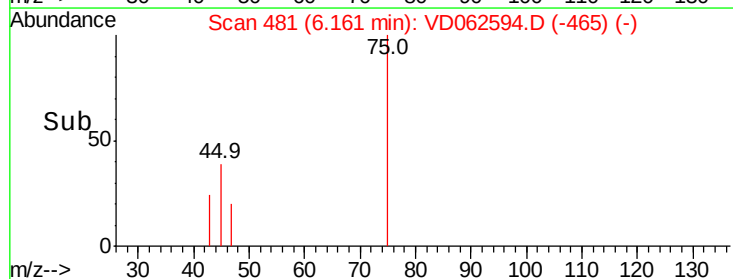
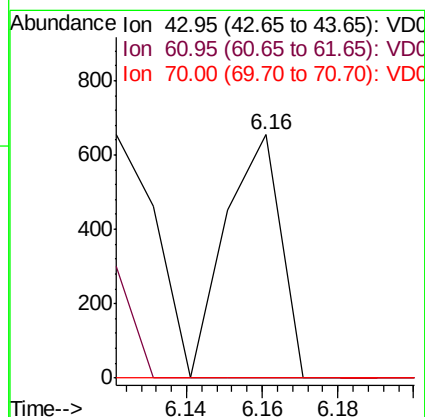
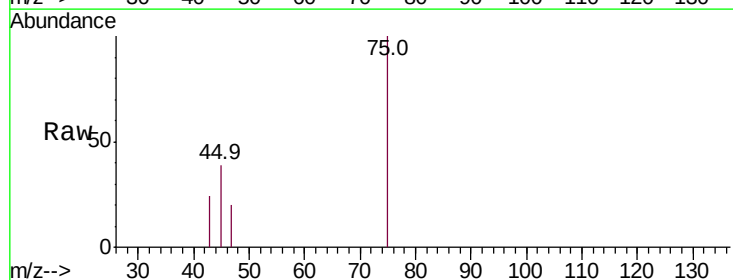
Tgt Ion: 43 Resp: 655

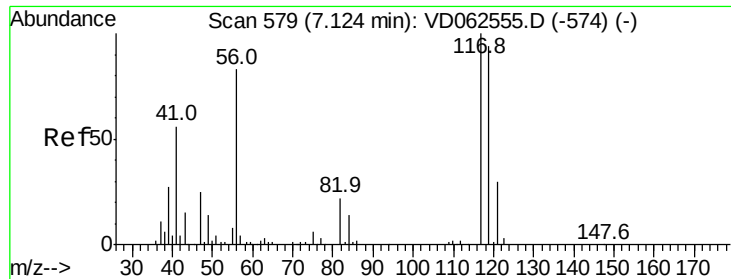
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.5 9.7#

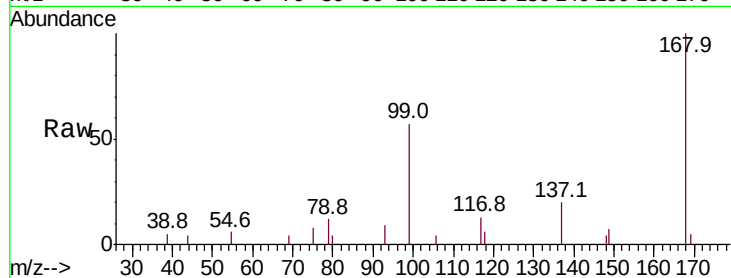




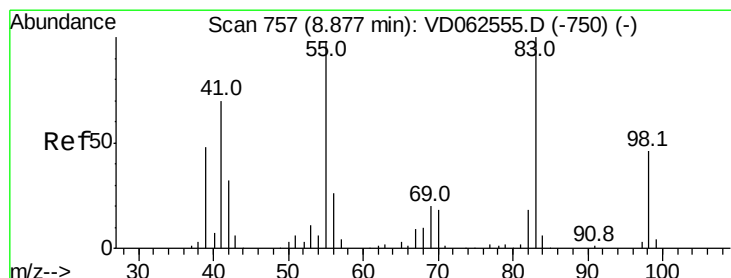
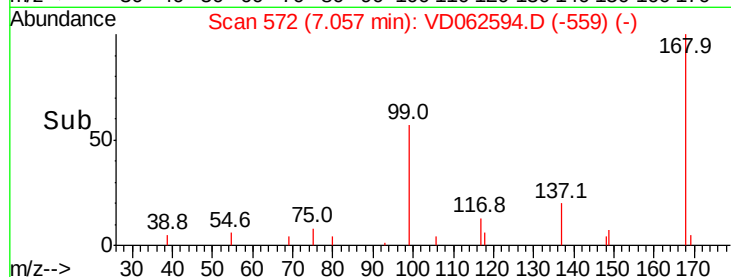
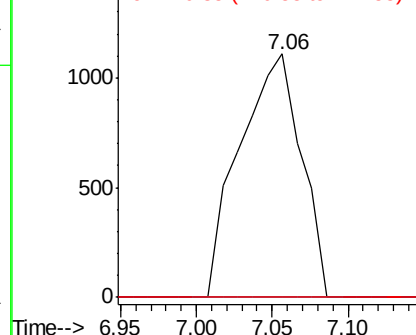
#38
Carbon Tetrachloride
Concen: 4.815 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.07 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Instrument :
MSVOA_D
ClientSampleID :
13873RE

Tot Ion:117 Resp: 3140
Ion Ratio Lower Upper
117 100
119 0.0 71.4 107.2#
121 0.0 22.5 33.7#

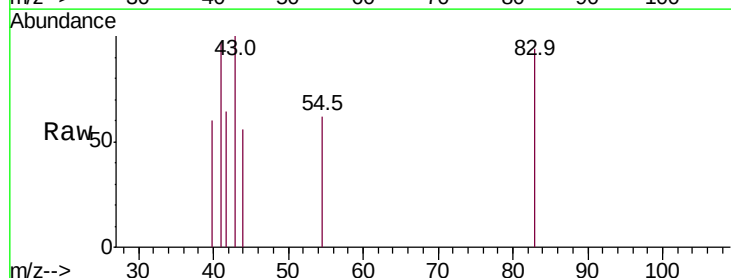


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

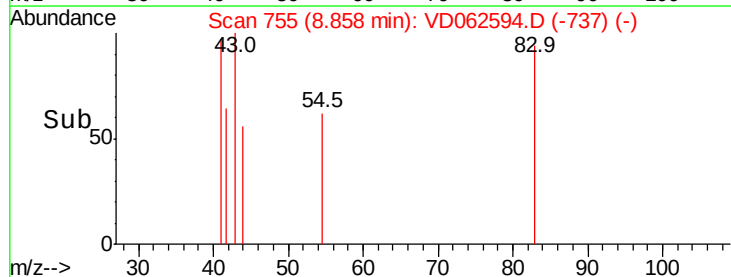
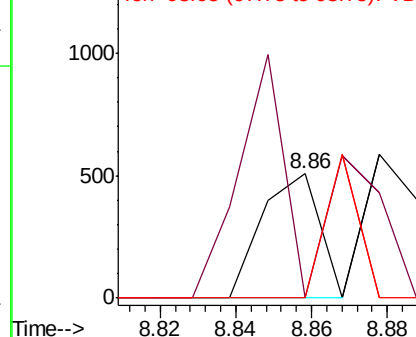


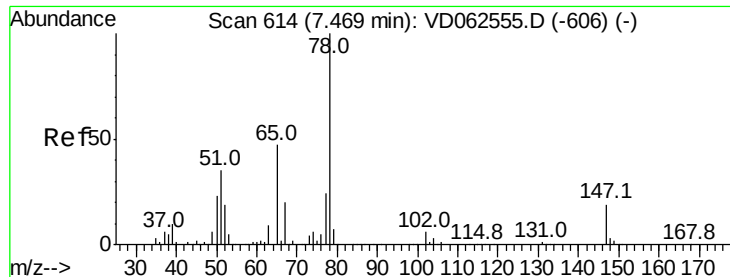
#39
Methylcyclohexane
Concen: 1.443 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Tgt Ion: 83 Resp: 535
Ion Ratio Lower Upper
83 100
55 0.0 78.7 118.1#
98 0.0 37.2 55.8#



Abundance Ion 83.05 (82.75 to 83.75): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 68.335 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampled :

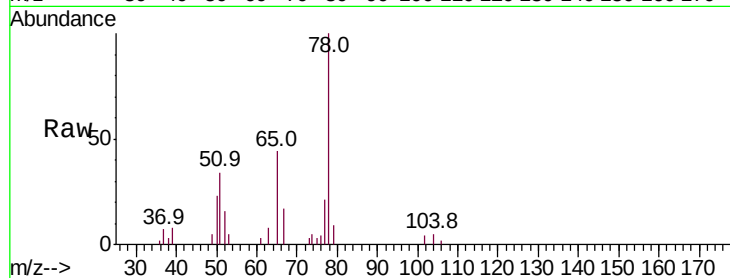
13873RE

Tot Ion: 78 Resp: 58745

Ion Ratio Lower Upper

78 100

77 21.4 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

25000

20000

15000

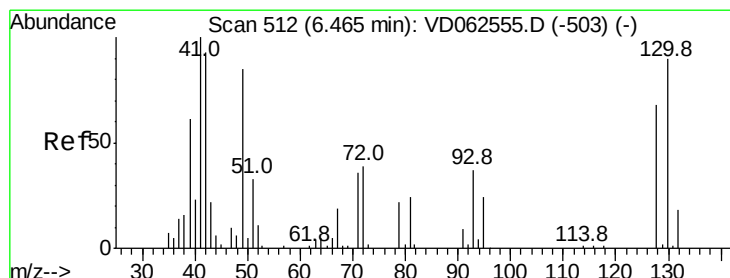
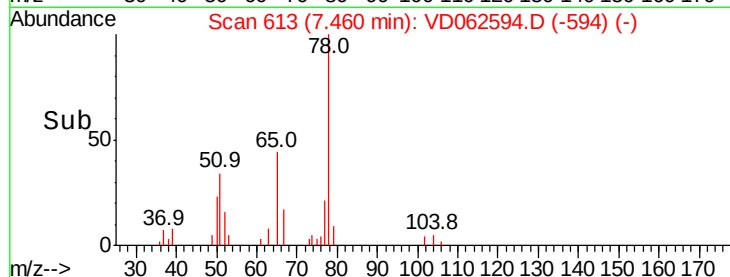
10000

5000

0

7.40 7.46 7.50 7.60

Time-->



#41

Methacrylonitrile

Concen: 1.385 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Tgt Ion: 41 Resp: 301

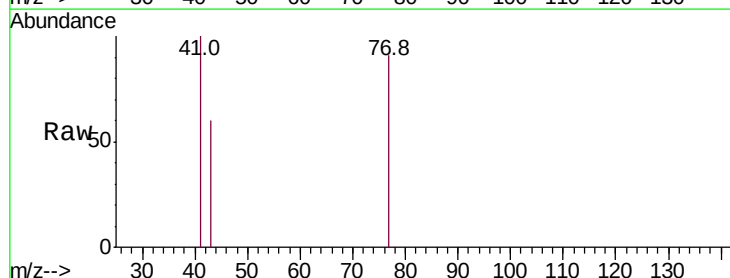
Ion Ratio Lower Upper

41 100

39 0.0 49.0 73.6#

67 0.0 15.5 23.3#

52 0.0 8.9 13.3#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

800

600

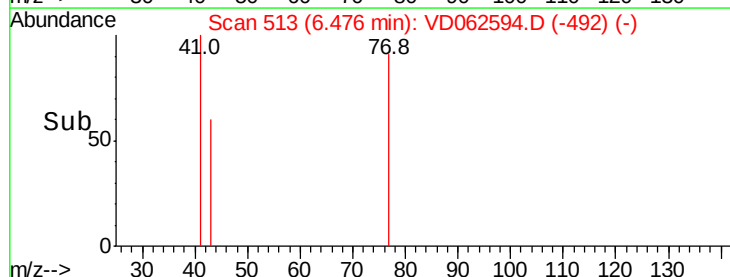
400

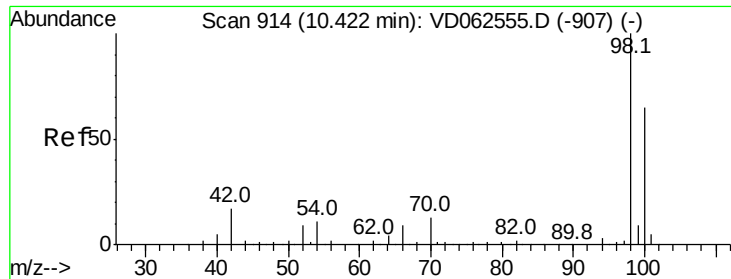
200

0

6.44 6.46 6.48 6.50

Time-->





#50

Toluene-d8

Concen: 34.453 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

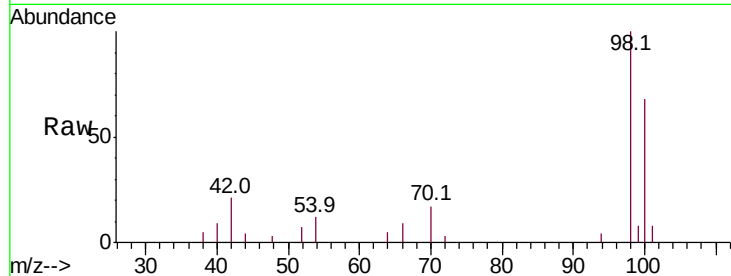
13873RE

Tot Ion: 98 Resp: 30267

Ion Ratio Lower Upper

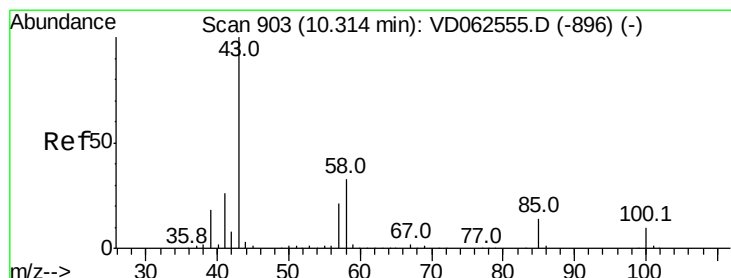
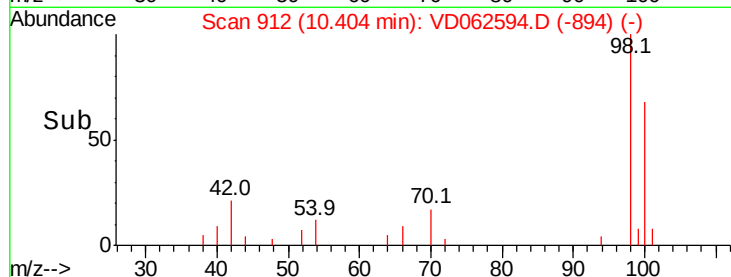
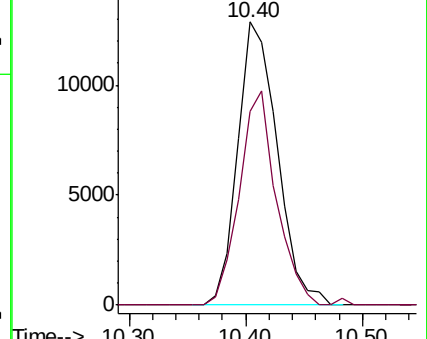
98 100

100 68.3 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): VD062555.D (-907) (-)

Ion 100.05 (99.75 to 100.75): VD062555.D (-907) (-)



#51

4-Methyl-2-Pentanone

Concen: 28.957 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062594.D

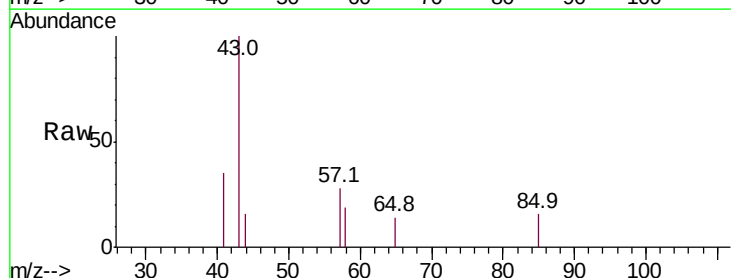
Acq: 3 Jun 2019 19:07

Tgt Ion: 43 Resp: 4643

Ion Ratio Lower Upper

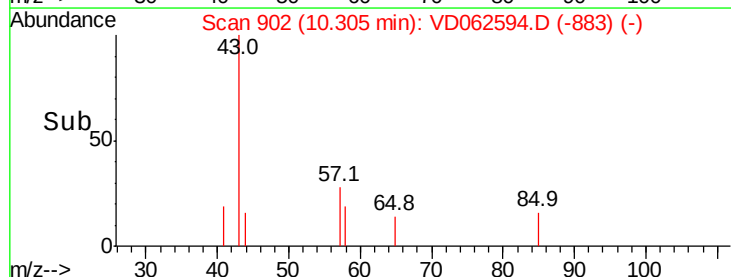
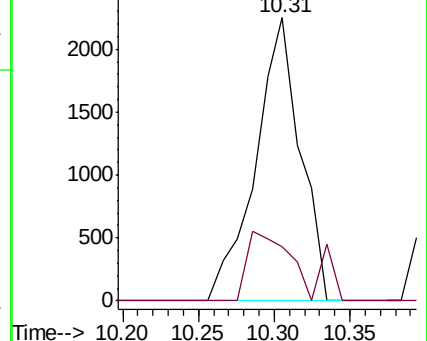
43 100

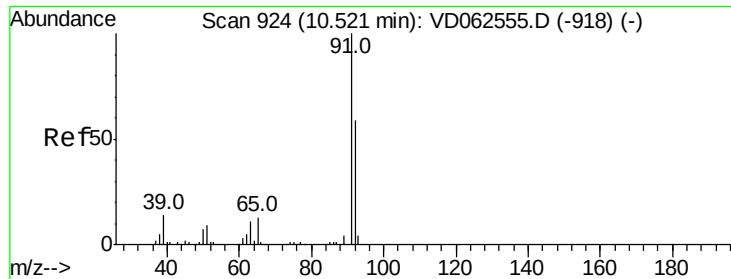
58 19.3 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-896) (-)

Ion 57.95 (57.65 to 58.65): VD062555.D (-896) (-)





#52

Toluene

Concen: 127.707 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

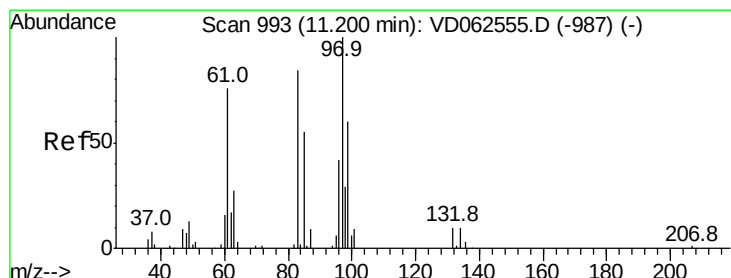
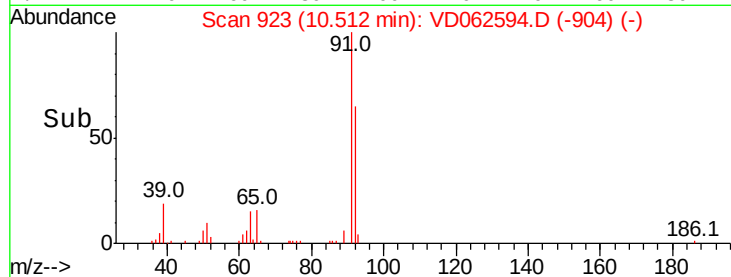
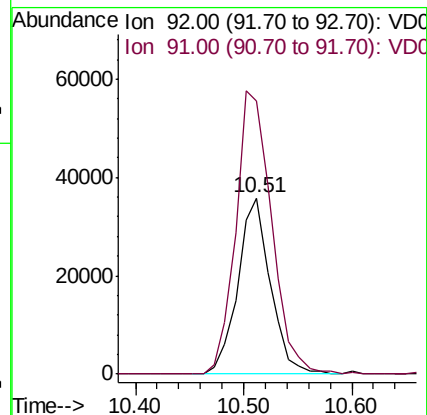
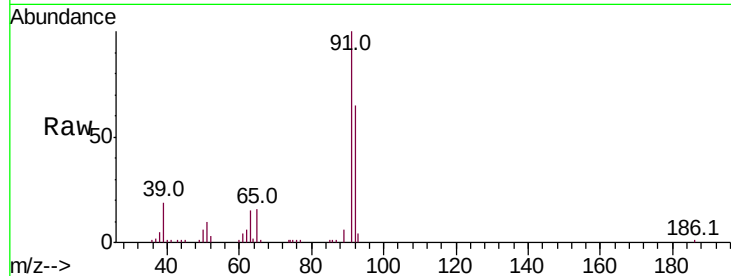
13873RE

Tot Ion: 92 Resp: 74877

Ion Ratio Lower Upper

92 100

91 154.7 135.5 203.3



#55

1,1,2-Trichloroethane

Concen: 1.003 ug/l

RT: 11.32 min Scan# 1005

Delta R.T. 0.12 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Tgt Ion: 97 Resp: 193

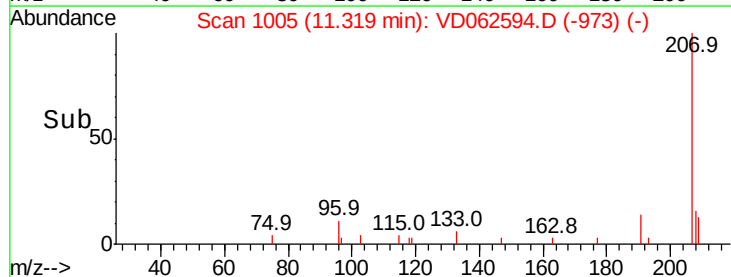
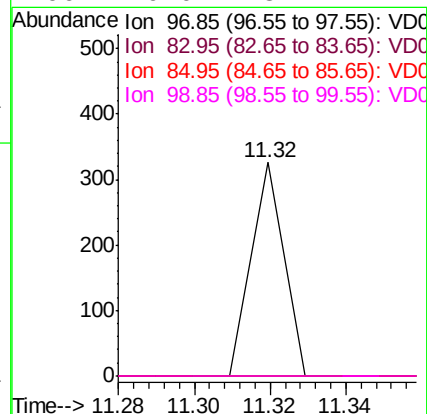
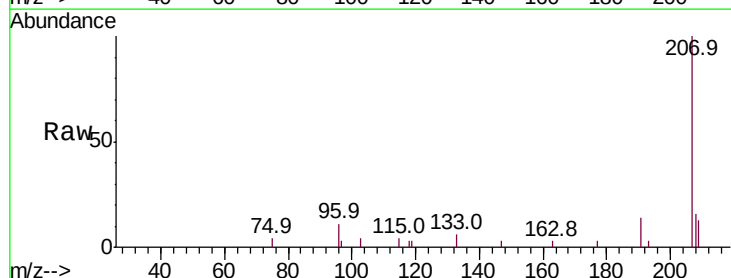
Ion Ratio Lower Upper

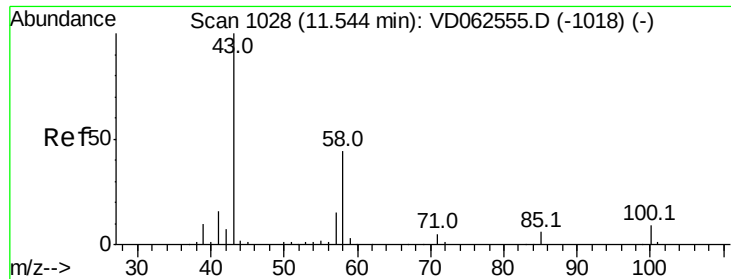
97 100

83 0.0 67.3 100.9#

85 0.0 43.8 65.8#

99 0.0 48.2 72.2#





#59

2-Hexanone

Concen: 7.655 ug/l

RT: 11.55 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

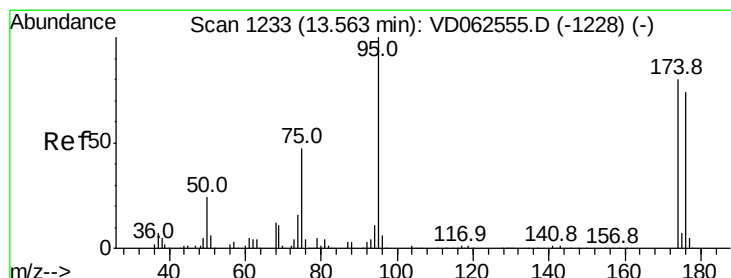
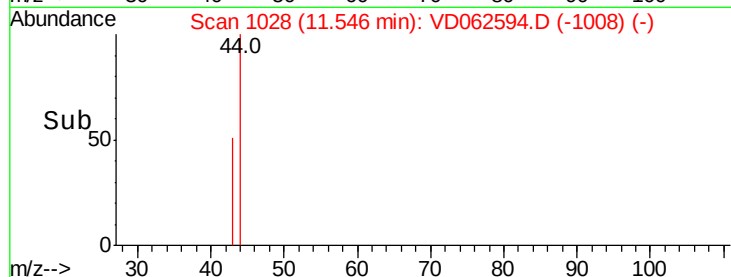
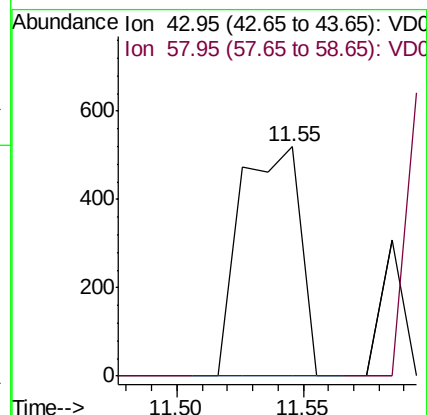
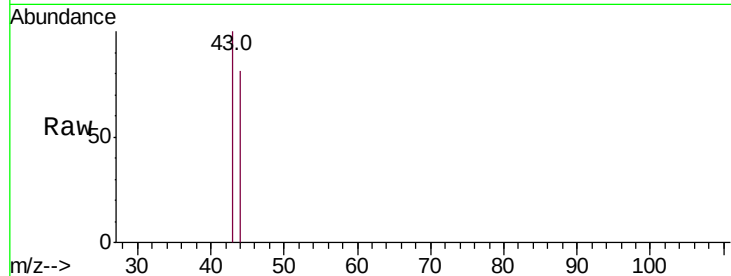
13873RE

Tot Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

58 0.0 22.0 66.0#



#62

4-Bromofluorobenzene

Concen: 37.677 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

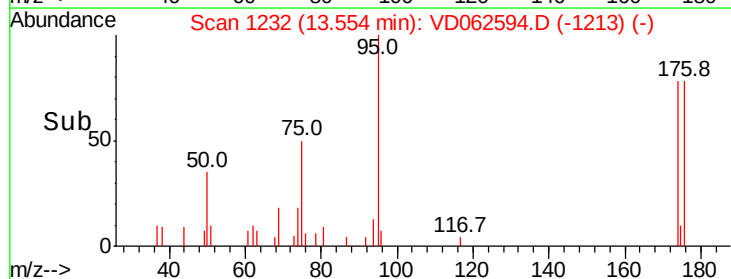
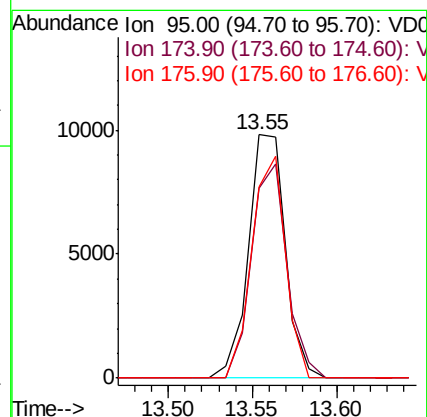
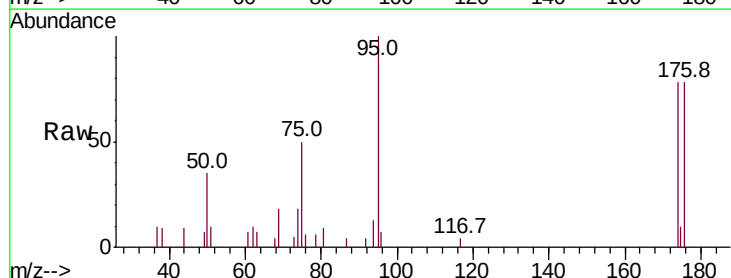
Tgt Ion: 95 Resp: 14927

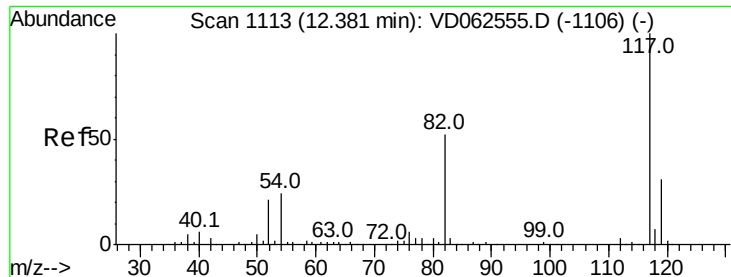
Ion Ratio Lower Upper

95 100

174 77.8 0.0 160.2

176 78.4 0.0 148.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

13873RE

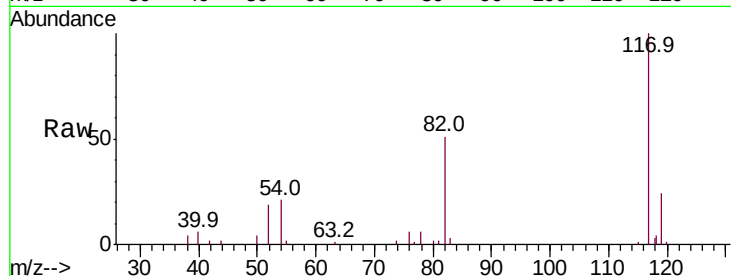
Tot Ion:117 Resp: 35226

Ion Ratio Lower Upper

117 100

82 51.1 41.4 62.2

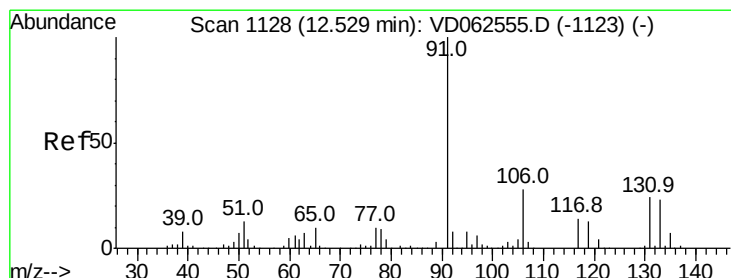
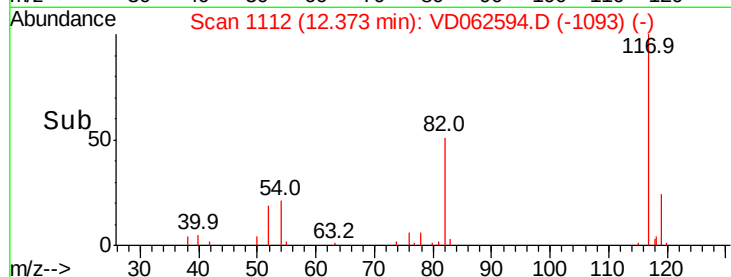
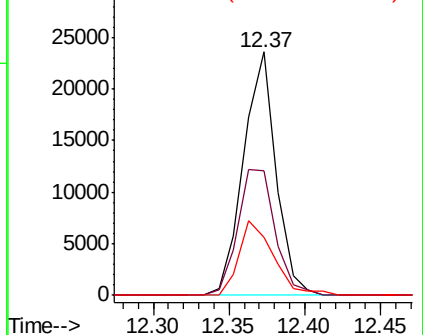
119 23.7 24.9 37.3#



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#67

Ethyl Benzene

Concen: 20.287 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD062594.D

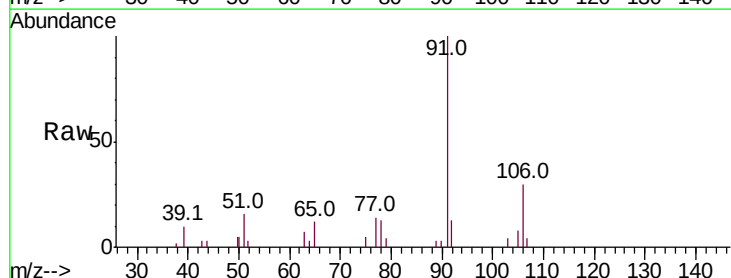
Acq: 3 Jun 2019 19:07

Tgt Ion: 91 Resp: 25507

Ion Ratio Lower Upper

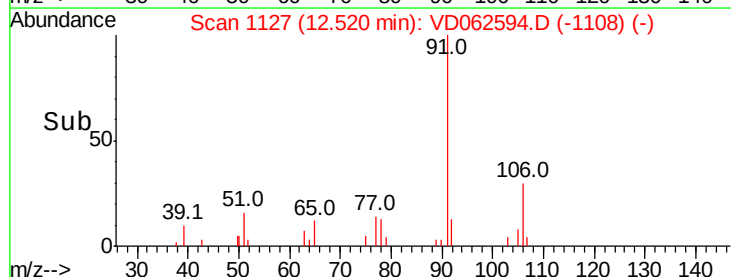
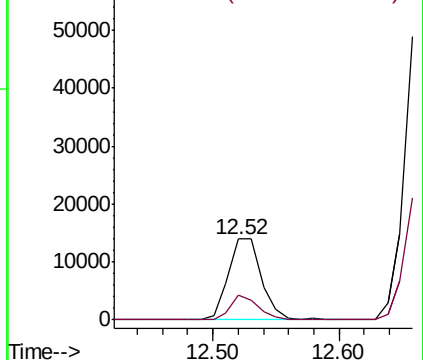
91 100

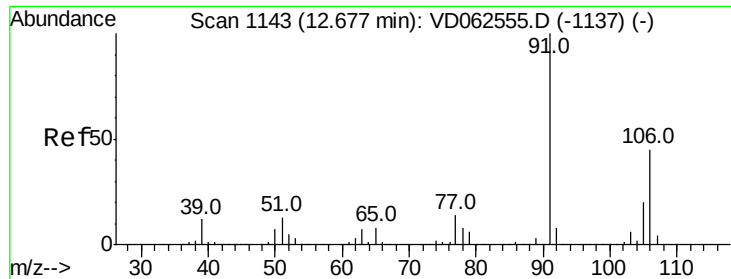
106 30.1 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

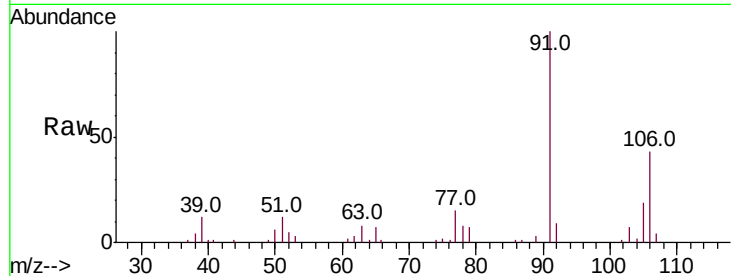




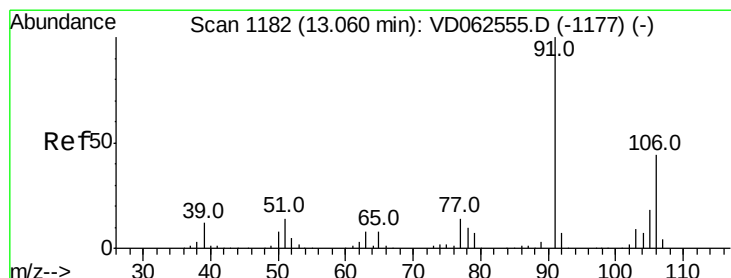
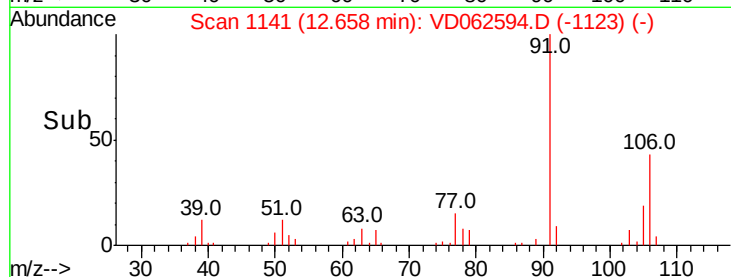
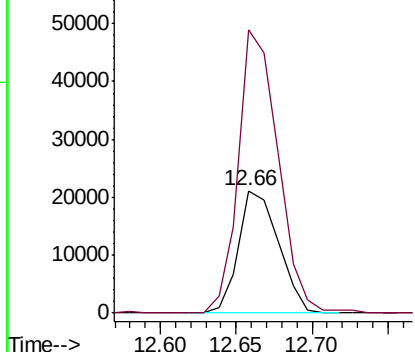
#68
m/p-Xylenes
Concen: 89.826 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
13873RE

Tot Ion:106 Resp: 39069
Ion Ratio Lower Upper
106 100
91 231.0 178.9 268.3

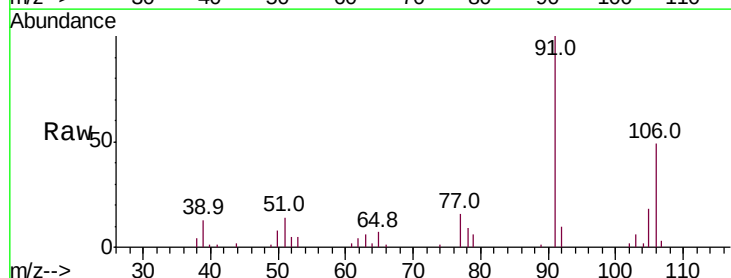


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

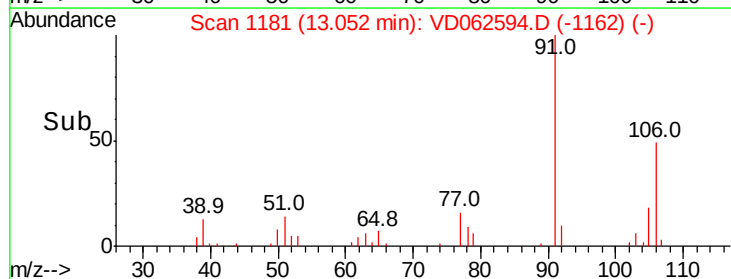
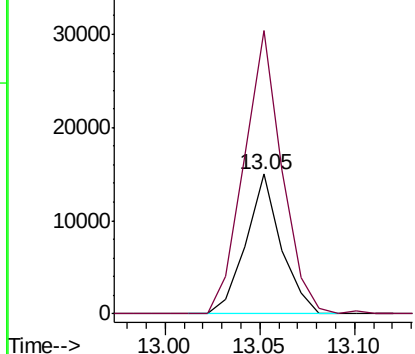


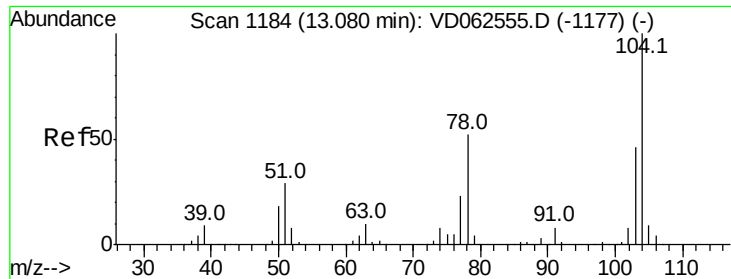
#69
o-Xylene
Concen: 46.726 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Tgt Ion:106 Resp: 19387
Ion Ratio Lower Upper
106 100
91 202.5 113.9 341.8



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#70

Stvrene

Concen: 17.599 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

13873RE

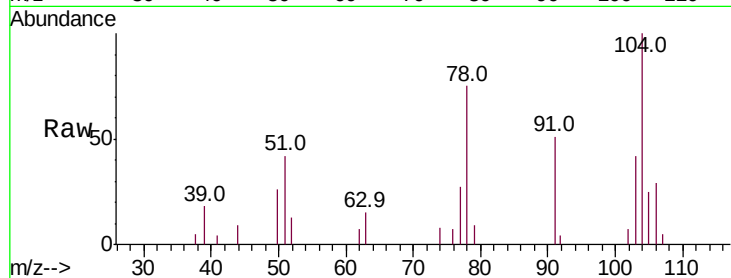
Tot Ion:104 Resp: 12398

Ion Ratio Lower Upper

104 100

78 74.5 41.5 62.3#

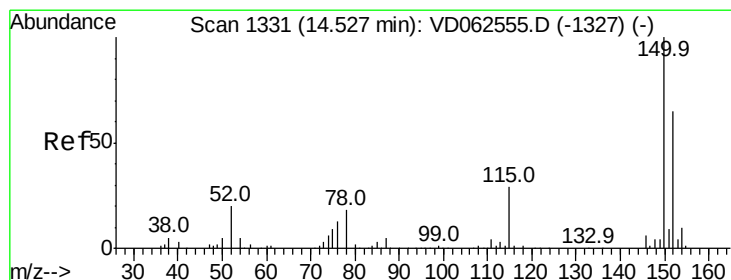
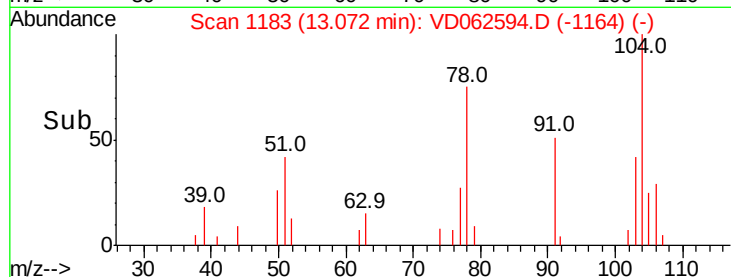
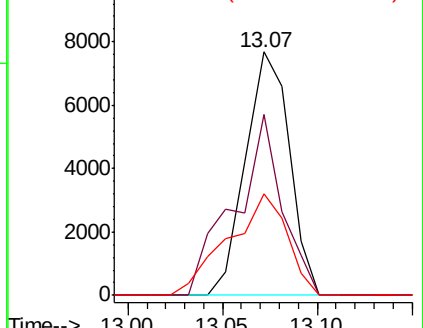
103 41.8 36.6 55.0



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

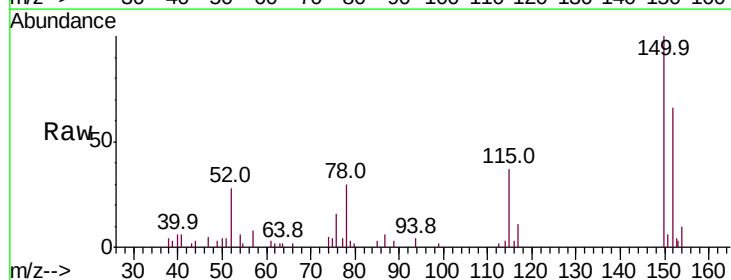
Tgt Ion:152 Resp: 13541

Ion Ratio Lower Upper

152 100

115 57.1 28.4 85.3

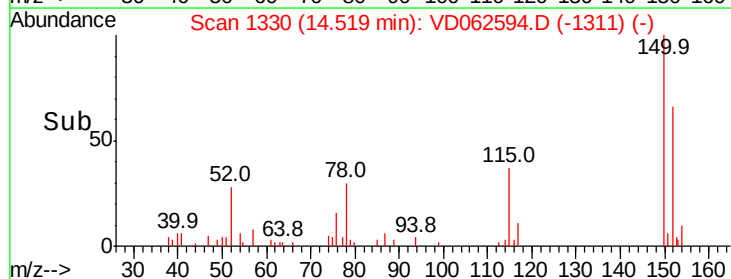
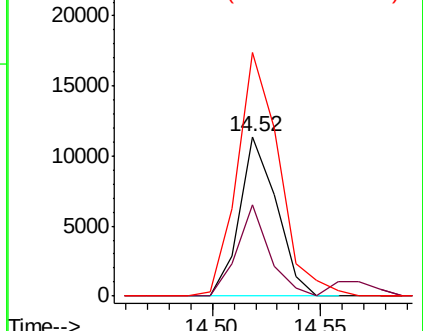
150 152.6 0.0 310.4

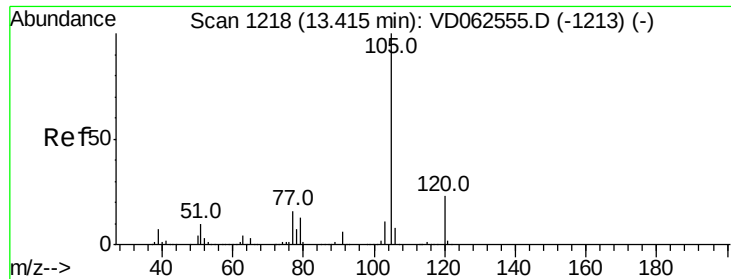


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.069 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

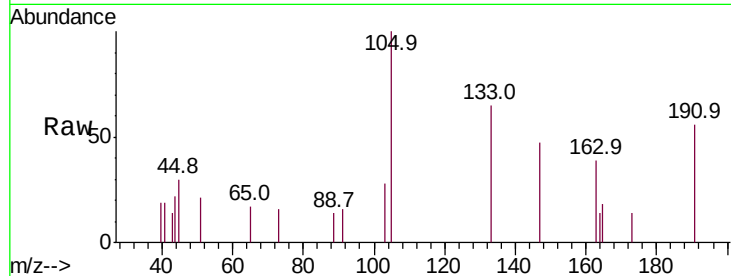
13873RE

Tot Ion:105 Resp: 2740

Ion Ratio Lower Upper

105 100

120 0.0 11.6 34.8#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500

2000

1500

1000

500

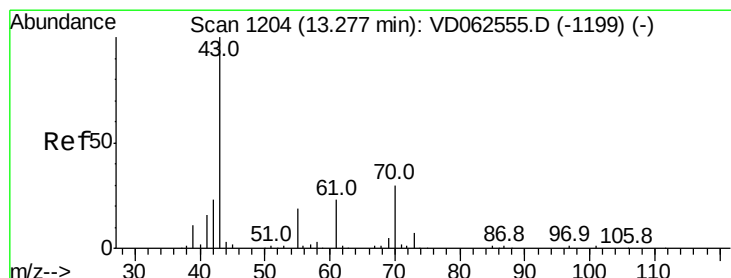
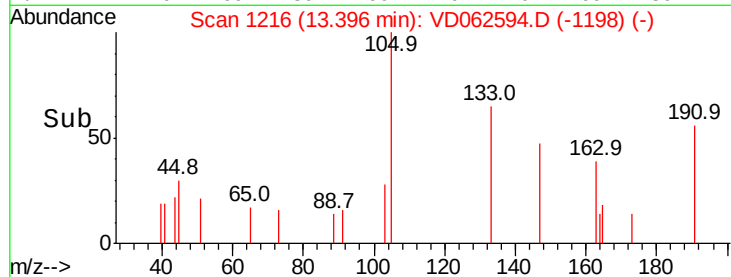
0

13.35

13.40

13.45

Time-->



#74

N-ethyl acetate

Concen: 4.253 ug/l

RT: 13.20 min Scan# 1196

Delta R.T. -0.08 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Tgt Ion: 43 Resp: 968

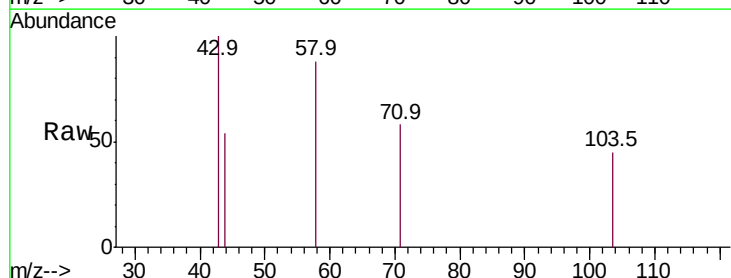
Ion Ratio Lower Upper

43 100

70 0.0 23.7 35.5#

55 0.0 15.0 22.4#

61 0.0 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

1000

800

600

400

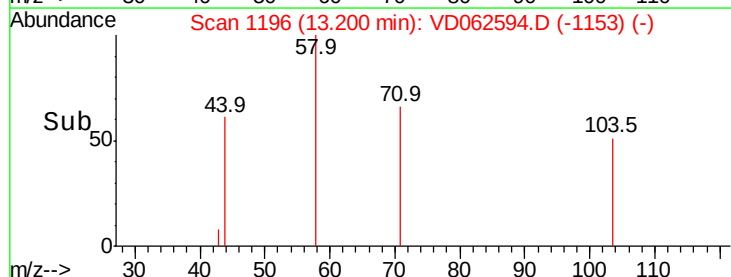
200

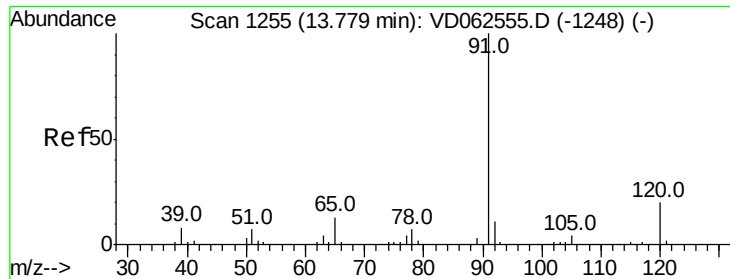
0

13.20

13.25

Time-->





#78

n-propylbenzene

Concen: 4.510 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

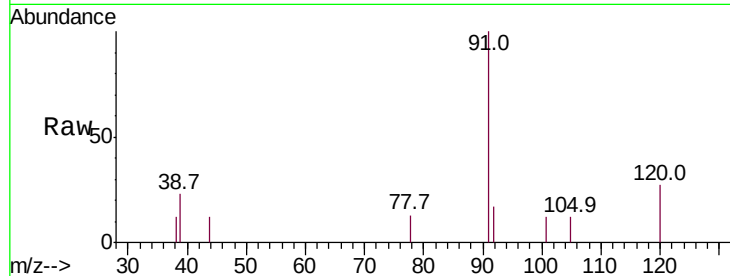
13873RE

Tot Ion: 91 Resp: 4641

Ion Ratio Lower Upper

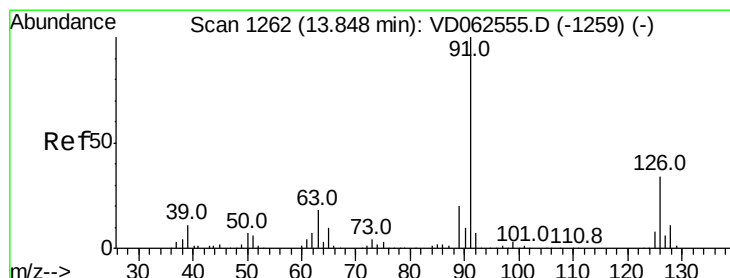
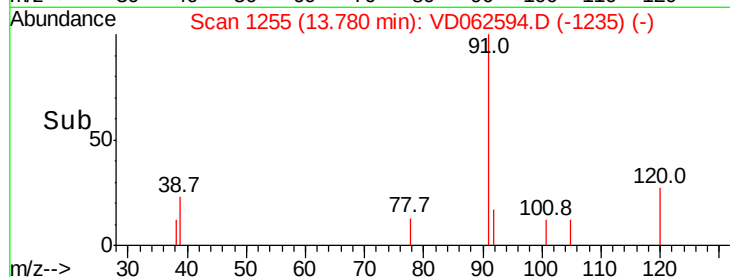
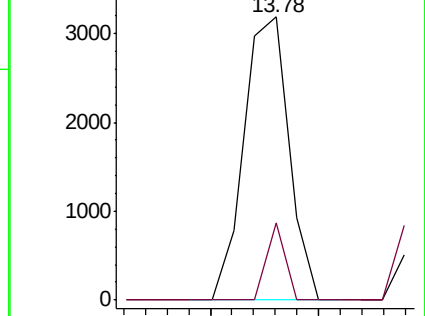
91 100

120 27.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 4.629 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062594.D

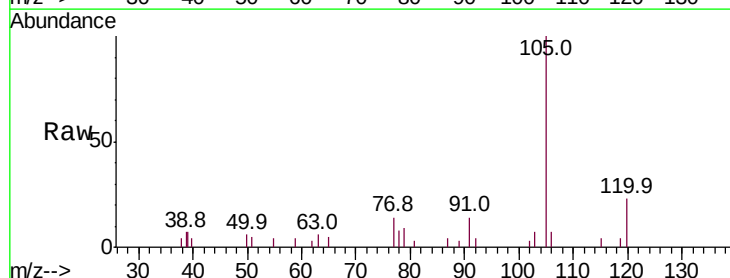
Acq: 3 Jun 2019 19:07

Tgt Ion: 91 Resp: 2762

Ion Ratio Lower Upper

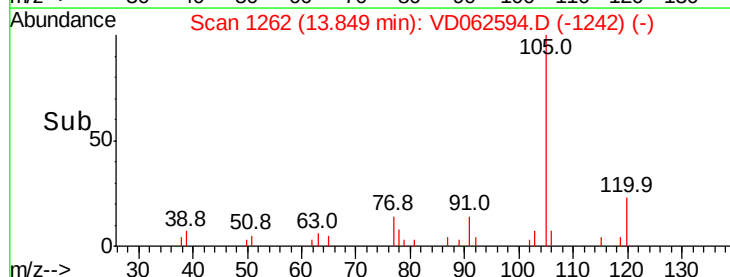
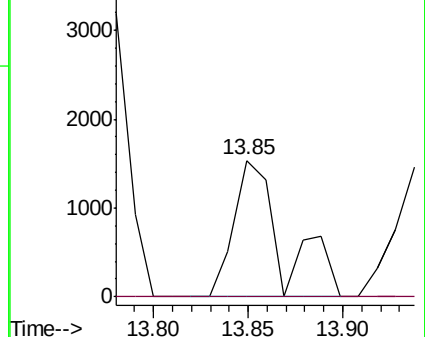
91 100

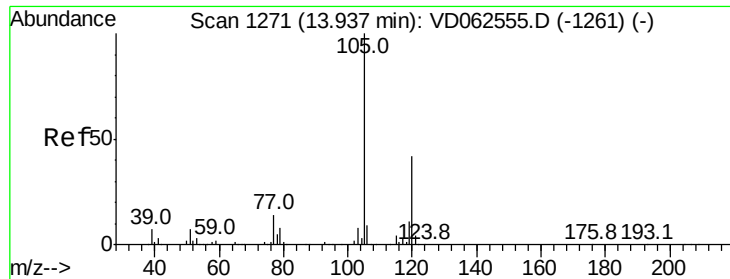
126 0.0 16.7 50.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

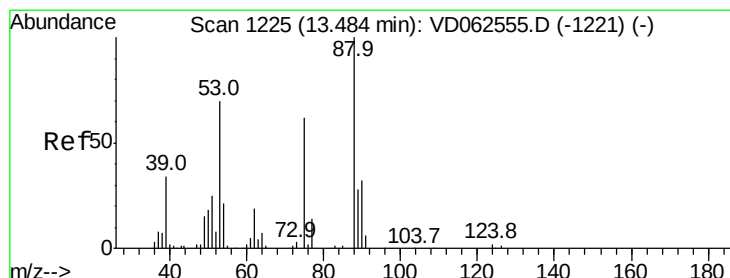
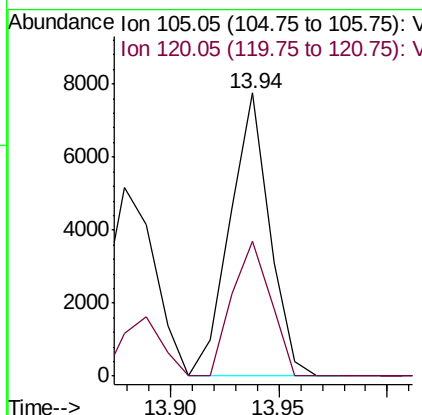
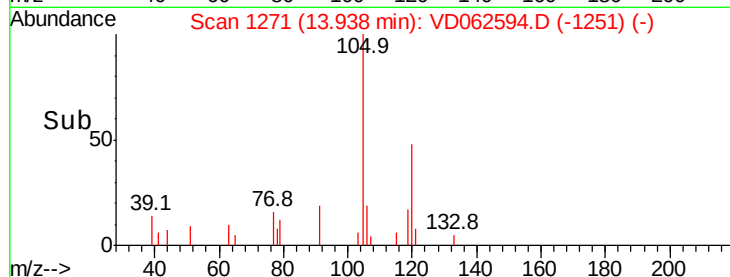
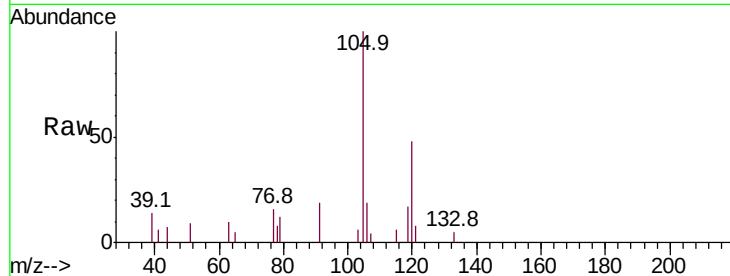




#80
 1,3,5-Trimethylbenzene
 Concen: 13.087 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

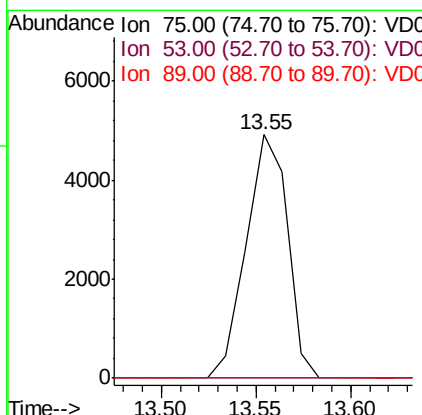
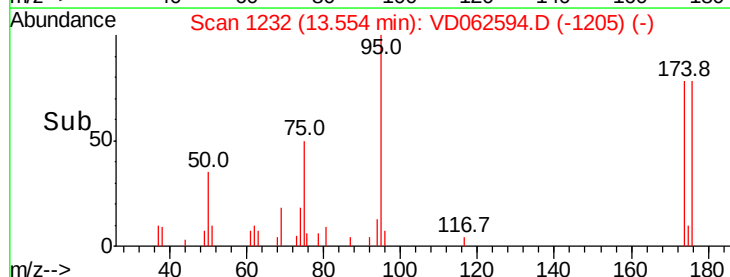
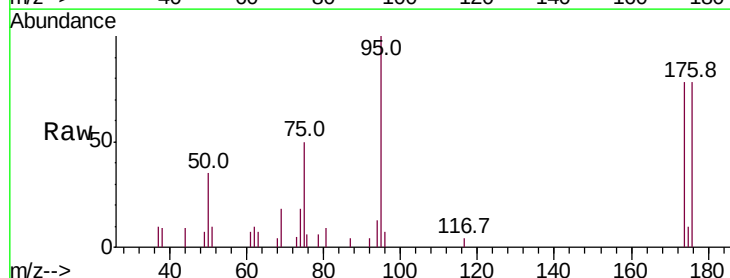
Instrument :
 MSVOA_D
 ClientSampleId :
 13873RE

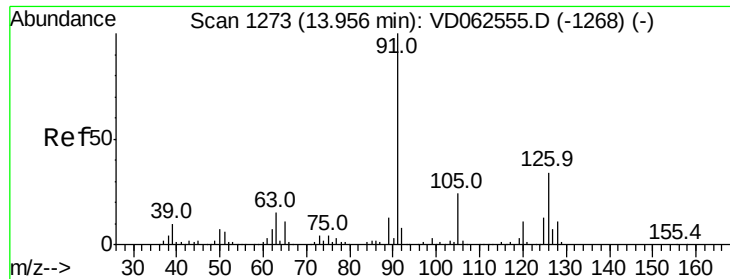
Tot Ion:105 Resp: 9983
 Ion Ratio Lower Upper
 105 100
 120 47.6 20.8 62.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.379 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

Tgt Ion: 75 Resp: 7419
 Ion Ratio Lower Upper
 75 100
 53 0.0 91.0 136.4#
 89 0.0 36.9 55.3#

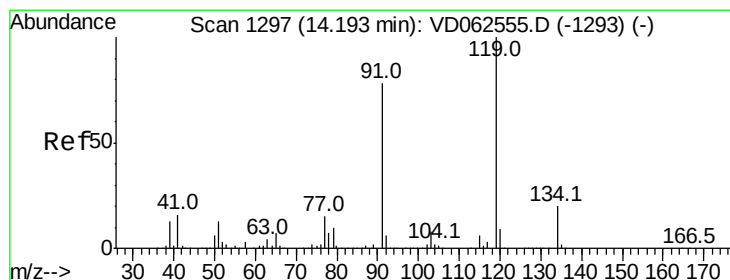
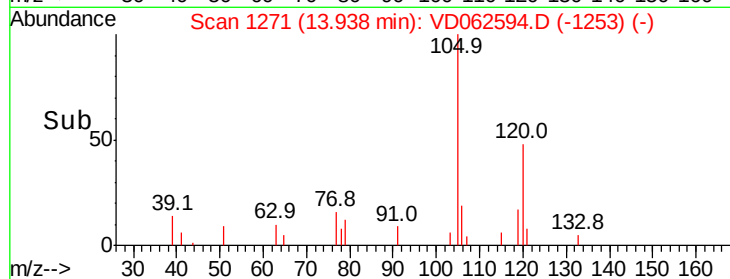
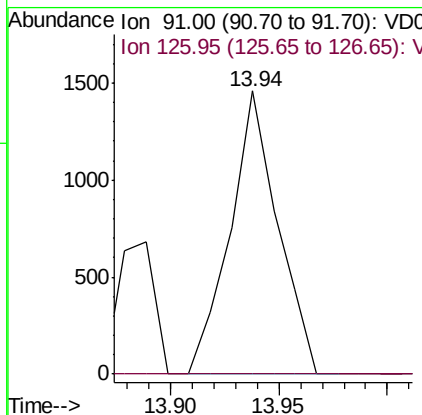
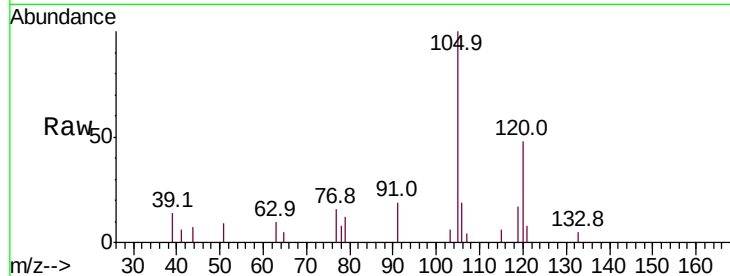




#82
4-Chlorotoluene
Concen: 3.151 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

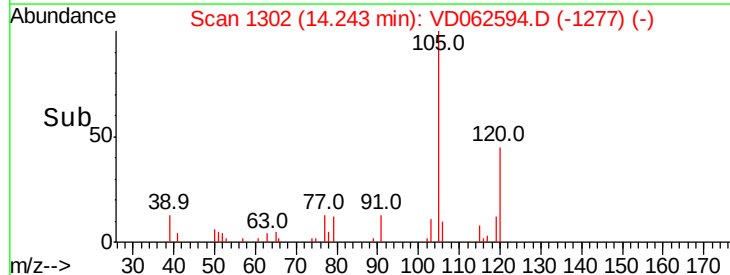
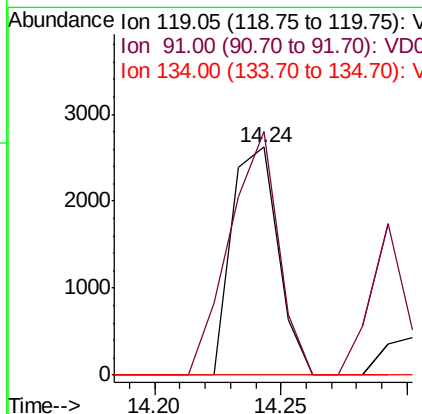
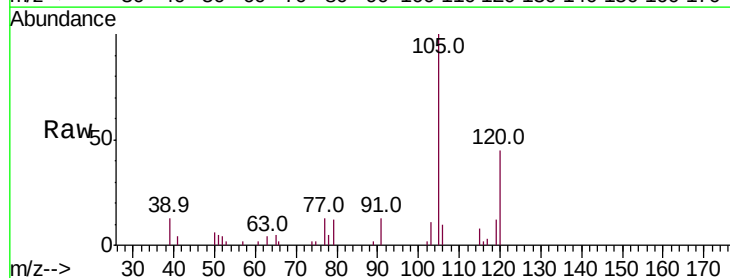
Instrument :
MSVOA_D
ClientSampleId :
13873RE

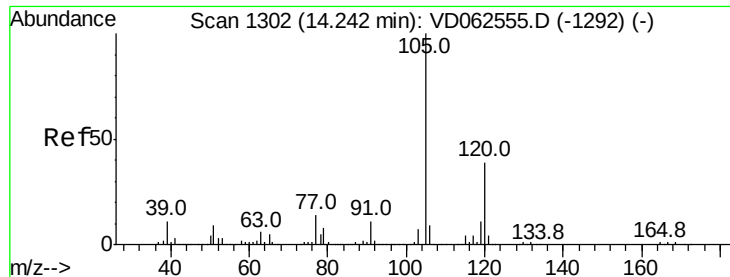
Tot Ion: 91 Resp: 2251
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#



#83
tert-Butylbenzene
Concen: 3.928 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.05 min
Lab File: VD062594.D
Acq: 3 Jun 2019 19:07

Tgt Ion: 119 Resp: 3343
Ion Ratio Lower Upper
119 100
91 106.7 39.1 117.5
134 0.0 10.1 30.3#

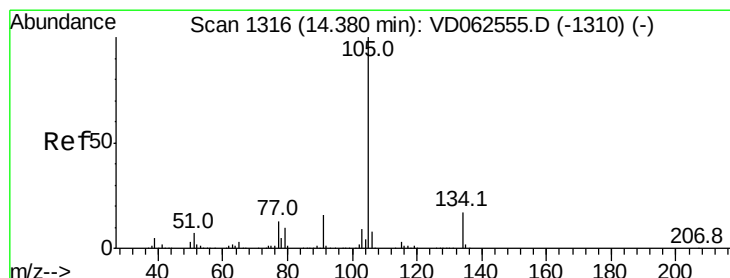
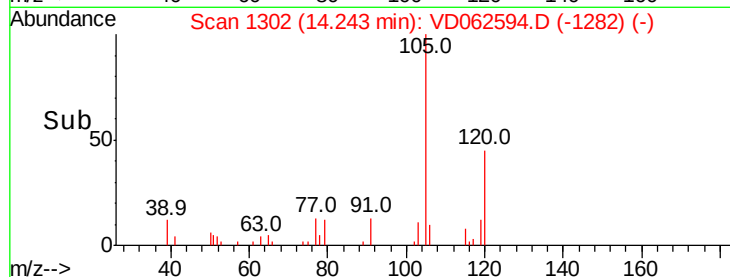
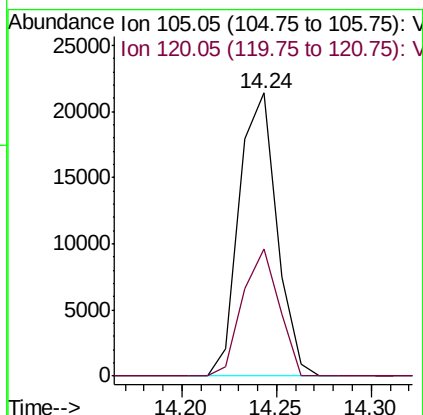
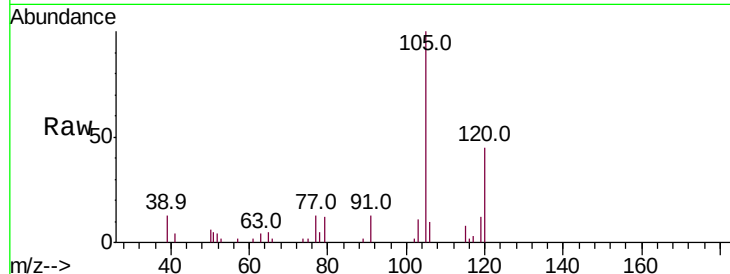




#84
 1,2,4-Trimethylbenzene
 Concen: 37.863 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

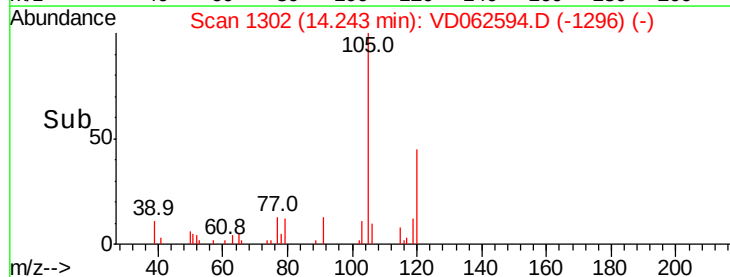
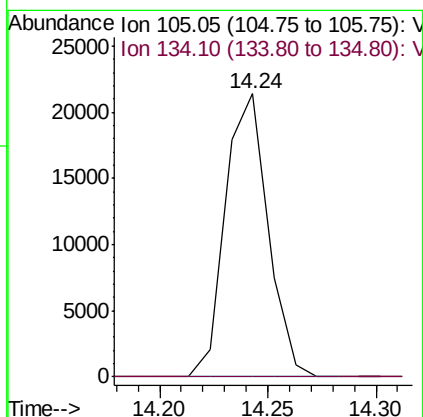
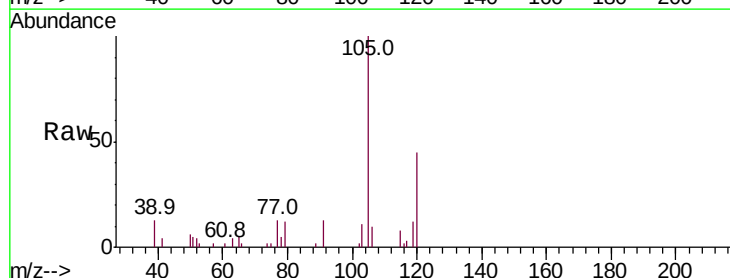
Instrument :
 MSVOA_D
 ClientSampleId :
 13873RE

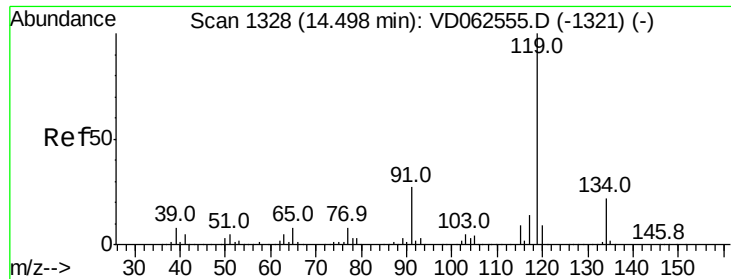
Tot Ion:105 Resp: 29431
 Ion Ratio Lower Upper
 105 100
 120 44.9 19.6 58.8



#85
 sec-Butylbenzene
 Concen: 32.638 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.14 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

Tgt Ion:105 Resp: 29429
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.7 26.1#

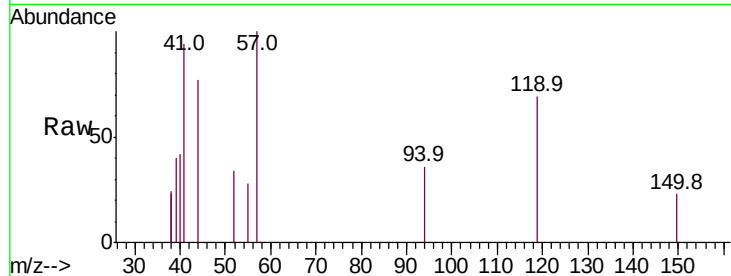




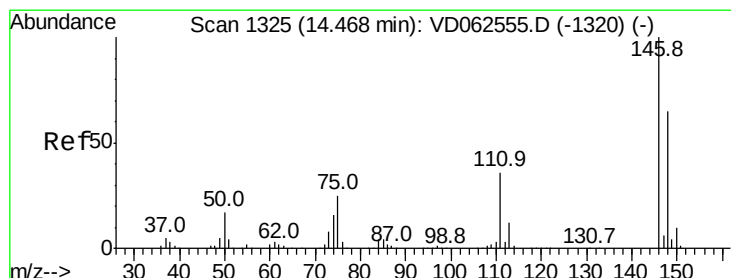
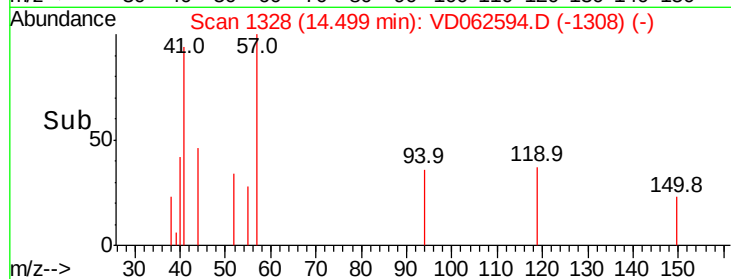
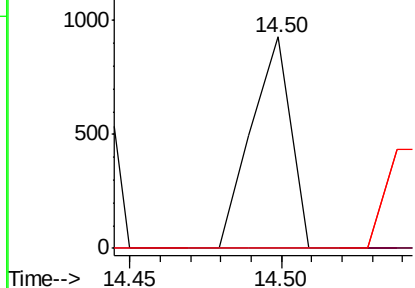
#86
 p-Isopropyltoluene
 Concen: 1.001 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

Instrument :
 MSVOA_D
 ClientSampleId :
 13873RE

Tot Ion:119 Resp: 843
 Ion Ratio Lower Upper
 119 100
 134 0.0 11.2 33.6#
 91 0.0 13.6 40.7#

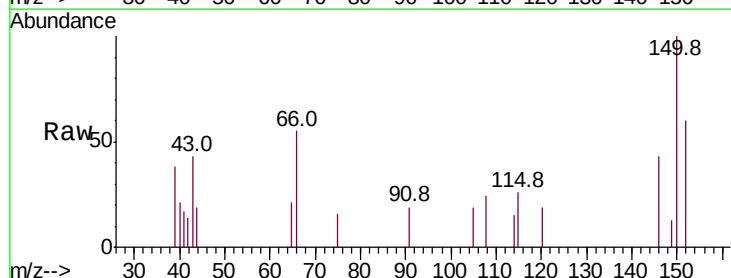


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

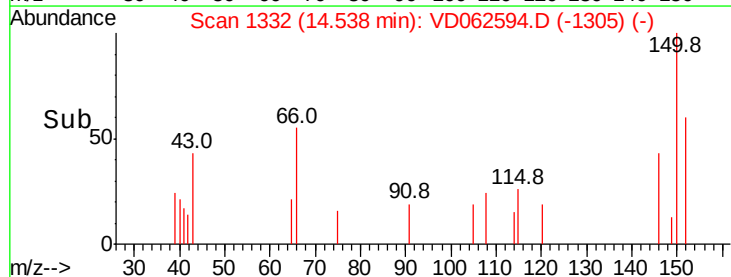
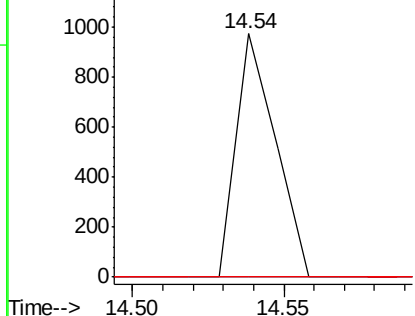


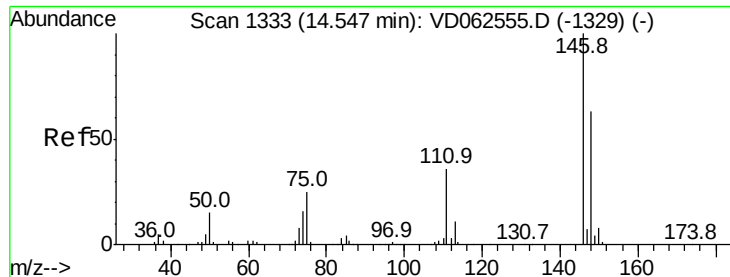
#87
 1,3-Dichlorobenzene
 Concen: 2.072 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.07 min
 Lab File: VD062594.D
 Acq: 3 Jun 2019 19:07

Tgt Ion:146 Resp: 879
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.1 54.4#
 148 0.0 32.3 96.9#



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.067 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

13873RE

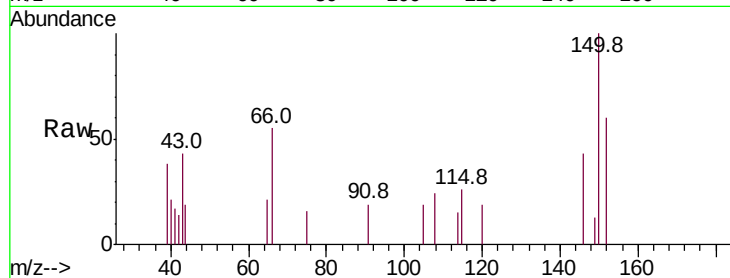
Tot Ion:146 Resp: 879

Ion Ratio Lower Upper

146 100

111 0.0 18.2 54.6#

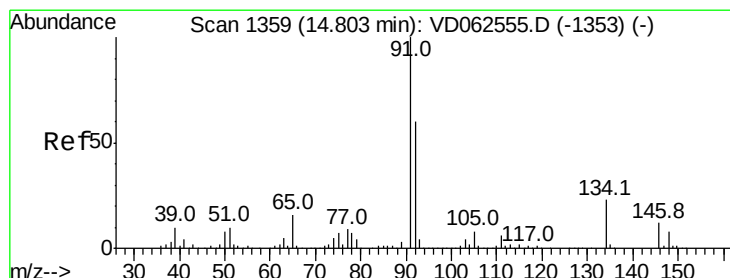
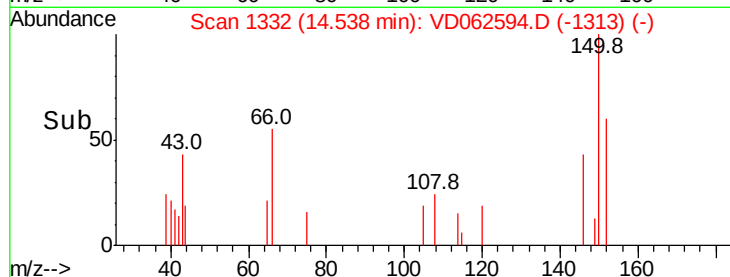
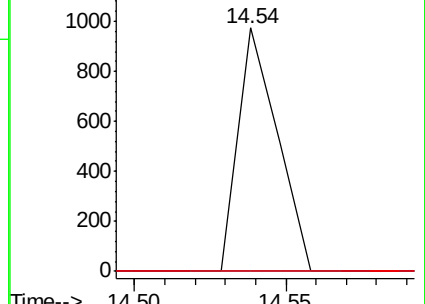
148 0.0 31.6 94.8#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.358 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

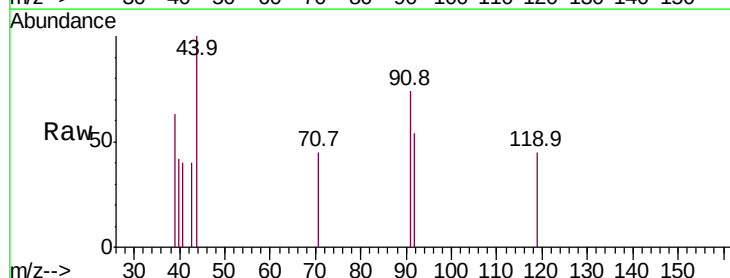
Tgt Ion: 91 Resp: 1021

Ion Ratio Lower Upper

91 100

92 73.1 29.8 89.4

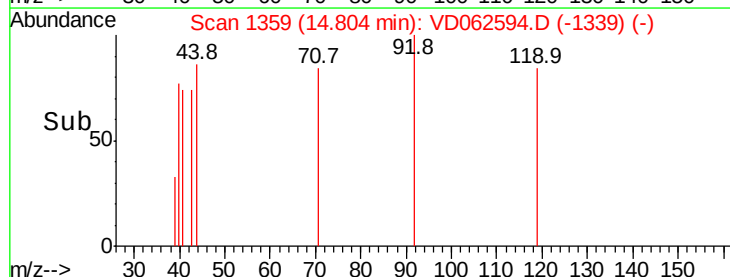
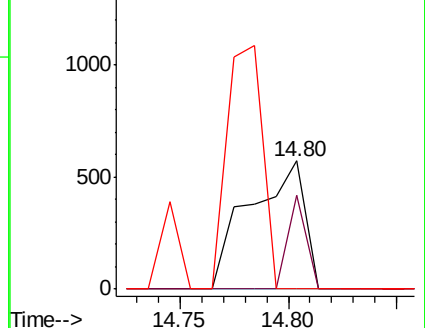
134 0.0 11.3 33.8#

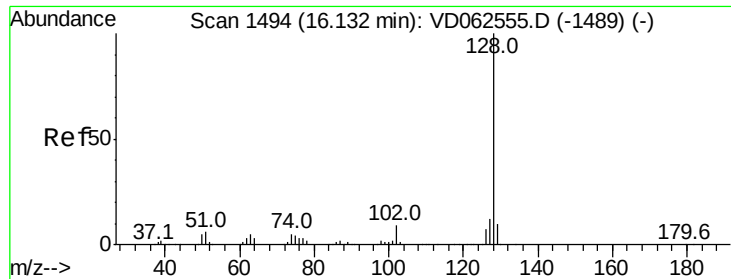


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#95

Naphthalene

Concen: 548.792 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062594.D

Acq: 3 Jun 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

13873RE

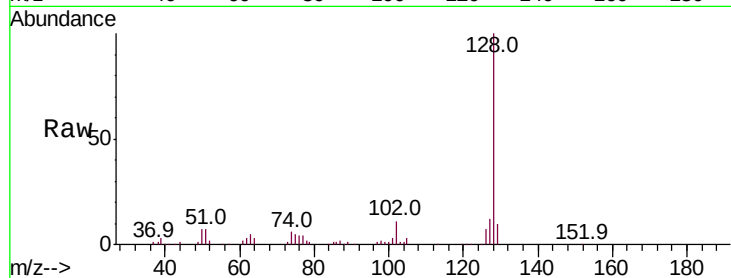
Tot Ion:128 Resp: 213297

Ion Ratio Lower Upper

128 100

127 12.4 9.7 14.5

129 10.0 8.2 12.2



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

