

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063297.D
 Acq On : 1 Aug 2019 17:23
 Operator : VA/AP
 Sample : K4120-07
 Misc : 5.13g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T3-1

Quant Time: Aug 02 07:25:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	803566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1259929	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	833179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	249189	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	376727	42.25	ug/l	0.00
Spiked Amount			Recovery	=	84.50%	
35) Dibromofluoromethane	6.91	113	424285	39.44	ug/l	0.00
Spiked Amount			Recovery	=	78.88%	
50) Toluene-d8	10.40	98	782794	32.52	ug/l	0.00
Spiked Amount			Recovery	=	65.04%	
62) 4-Bromofluorobenzene	13.55	95	258568	23.57	ug/l	0.00
Spiked Amount			Recovery	=	47.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	4681	11.963	ug/l #	69
13) Acrolein	3.06	56	1501	3.986	ug/l #	1
15) Acrylonitrile	4.22	53	11023	10.866	ug/l #	48
16) Acetone	3.22	43	78946	45.443	ug/l	98
18) Methyl Acetate	3.65	43	5202	1.559	ug/l #	60
20) Methylene Chloride	3.80	84	13043	1.857	ug/l #	69
25) 2-Butanone	6.05	43	6083	3.489	ug/l #	88
29) Tetrahydrofuran	6.45	42	2181	2.642	ug/l #	44
31) Cyclohexane	6.95	56	704871	88.749	ug/l	96
36) 1,1-Dichloropropene	7.04	75	59676	5.190	ug/l #	51
37) Ethyl Acetate	6.15	43	8992	1.741	ug/l #	51
38) Carbon Tetrachloride	7.04	117	71966	4.157	ug/l #	15
39) Methylcyclohexane	8.85	83	251049	26.205	ug/l #	94
40) Benzene	7.44	78	1555918	64.565	ug/l	99
42) 1,2-Dichloroethane	7.45	62	16791	1.315	ug/l	85
43) Isopropyl Acetate	9.29	43	12085	1.831	ug/l #	49
48) Methyl methacrylate	9.09	41	22985	5.371	ug/l #	36
51) 4-Methyl-2-Pentanone	10.34	43	45867	10.221	ug/l #	83
52) Toluene	10.50	92	298222	18.606	ug/l	99
56) Ethyl methacrylate	11.09	69	17947	3.028	ug/l #	1
59) 2-Hexanone	11.57	43	5422	1.677	ug/l	70
67) Ethyl Benzene	12.52	91	988334	36.304	ug/l	99
68) m/p-Xylenes	12.66	106	264701	26.513	ug/l	94
69) o-Xylene	13.04	106	76956	8.394	ug/l	87
73) Isopropylbenzene	13.40	105	51767	3.310	ug/l	89
74) N-amyl acetate	13.22	43	10552	2.552	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	13.71	83	4382	1.649	ug/l #	92
78) n-propylbenzene	13.77	91	95032	5.106	ug/l	98
79) 2-Chlorotoluene	13.84	91	27634	2.562	ug/l #	39
80) 1,3,5-Trimethylbenzene	13.93	105	79569	5.899	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.55	75	110350	132.773	ug/l #	4
84) 1,2,4-Trimethylbenzene	14.23	105	220574	15.809	ug/l	99
85) sec-Butylbenzene	14.36	105	17955	1.106	ug/l	94
89) n-Butylbenzene	14.79	91	38841	2.904	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T3-1

Quant Time: Aug 02 07:25:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

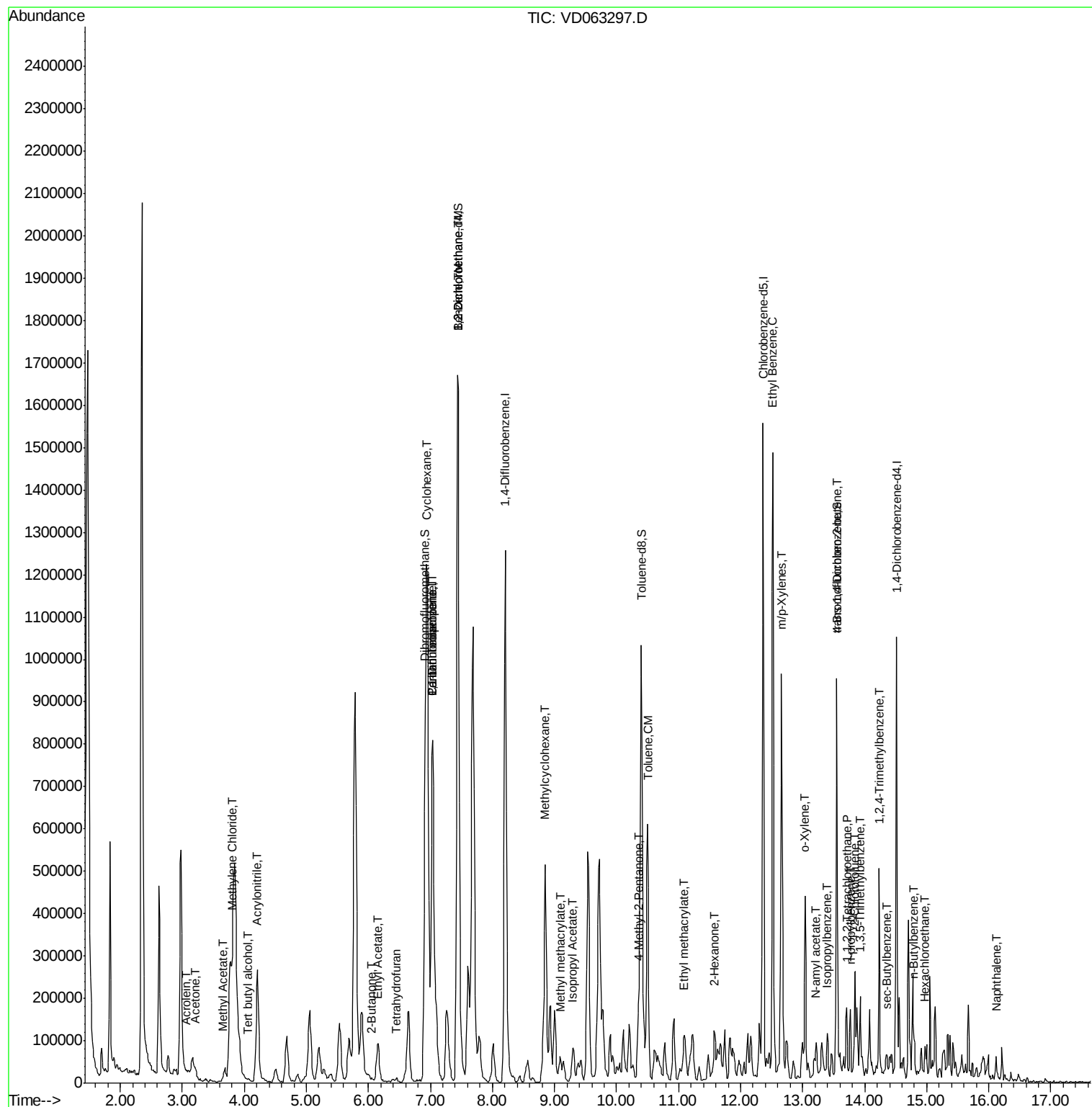
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	14.97	117	6066	1.503	ug/l #	14
95) Naphthalene	16.12	128	32116	4.167	ug/l #	88

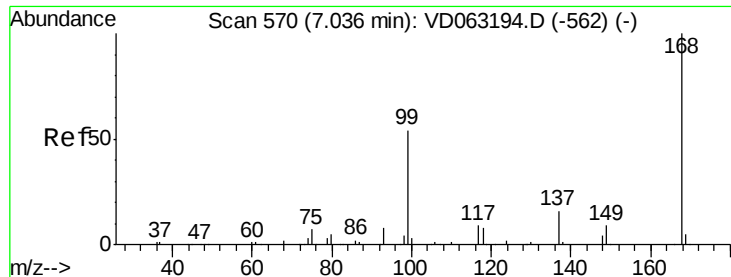
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063297.D
Acq On : 1 Aug 2019 17:23
Operator : VA/AP
Sample : K4120-07
Misc : 5.13g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
T3-1

Quant Time: Aug 02 07:25:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

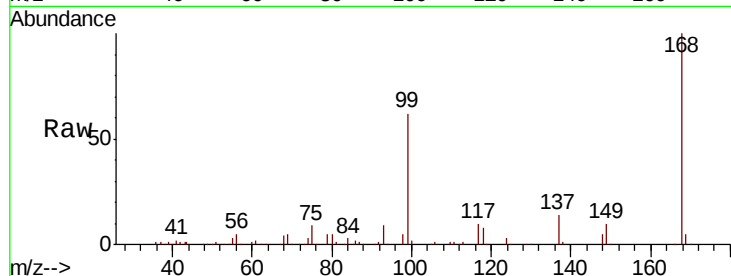
Instrument :
MSVOA_D
ClientSampleId :
T3-1

Tot Ion:168 Resp: 803566

Ion Ratio Lower Upper

168 100

99 61.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

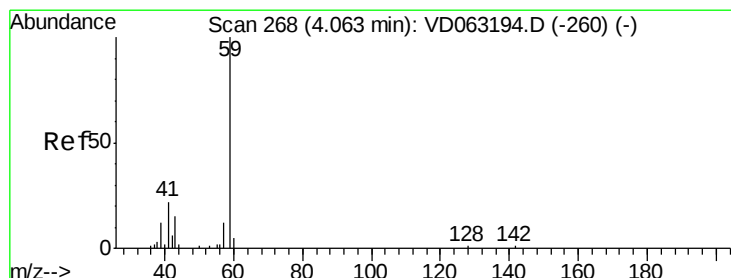
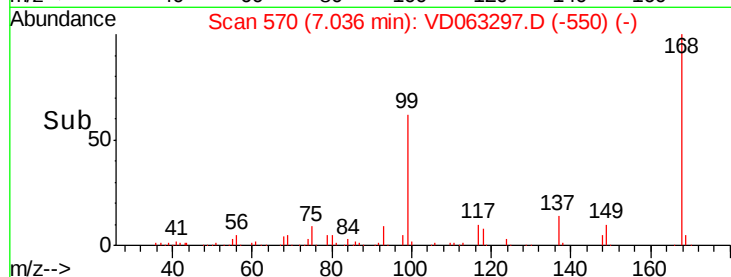
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 11.963 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD063297.D

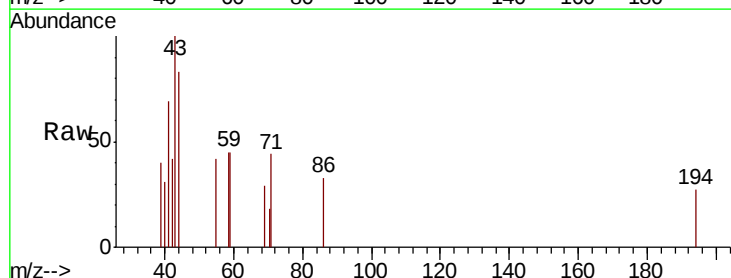
Acq: 1 Aug 2019 17:23

Tgt Ion: 59 Resp: 4681

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

60000

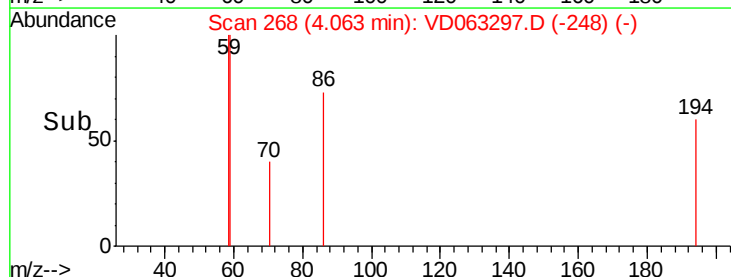
40000

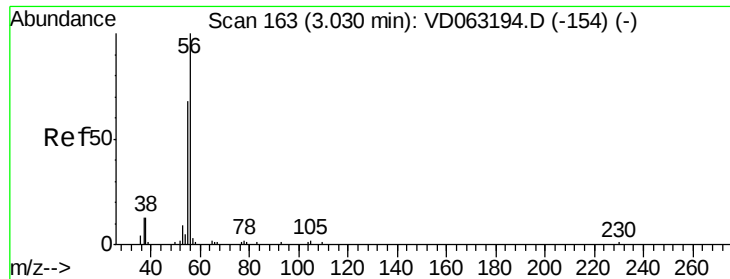
20000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 3.986 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampled :

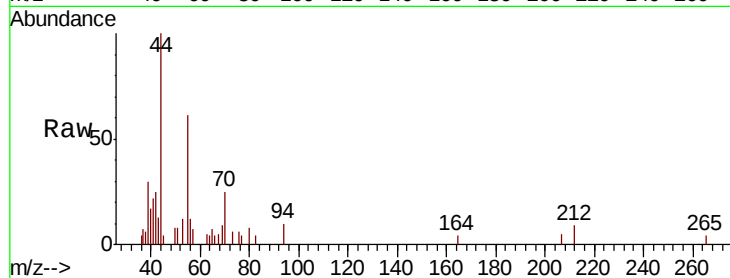
T3-1

Tot Ion: 56 Resp: 1501

Ion Ratio Lower Upper

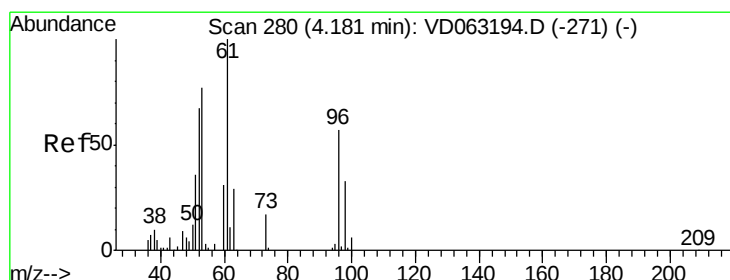
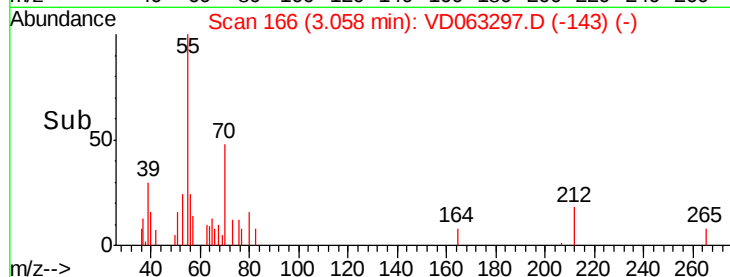
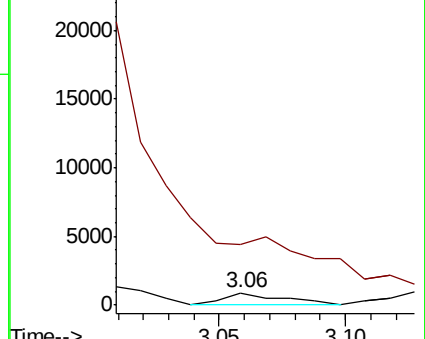
56 100

55 504.3 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 10.866 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.04 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

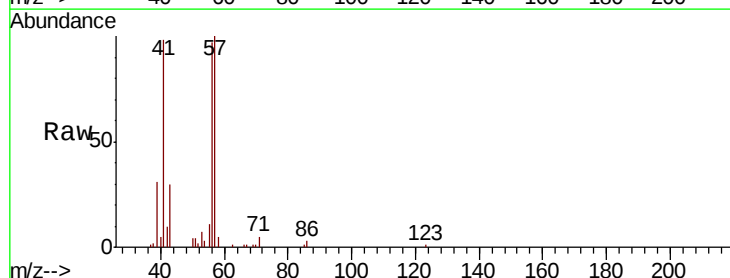
Tgt Ion: 53 Resp: 11023

Ion Ratio Lower Upper

53 100

52 27.6 69.7 104.5#

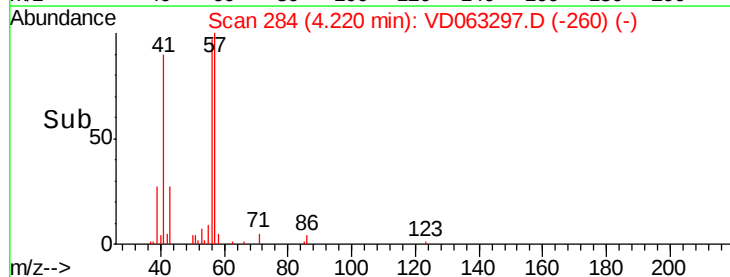
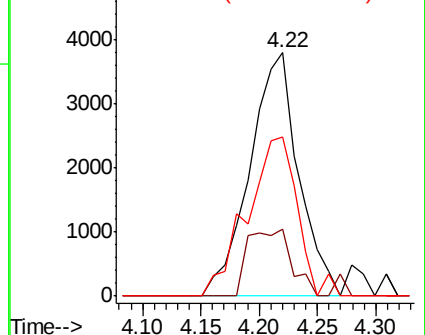
51 65.4 37.4 56.0#

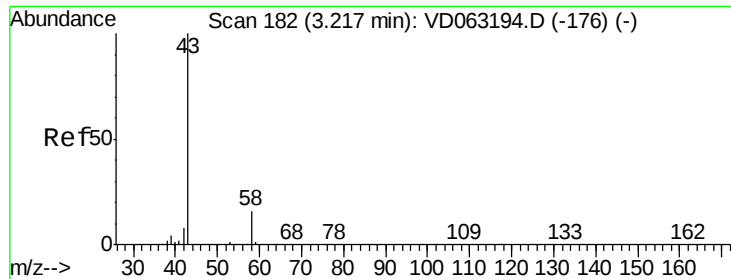


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 45.443 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampled :

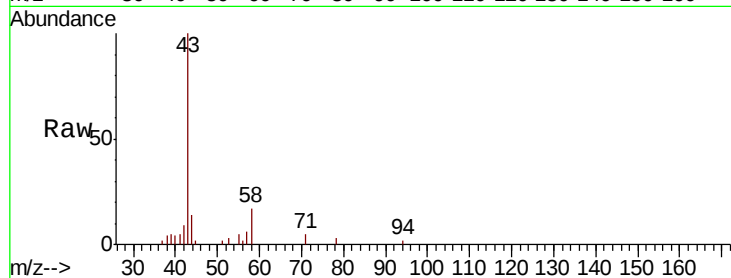
T3-1

Tot Ion: 43 Resp: 78946

Ion Ratio Lower Upper

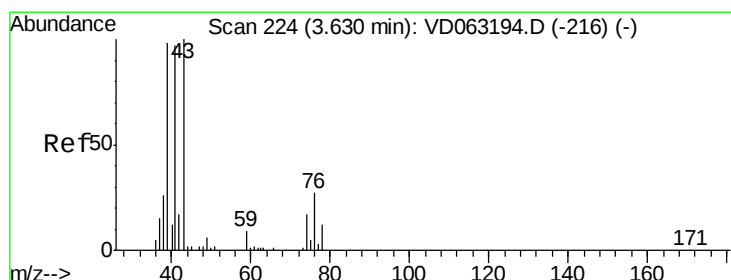
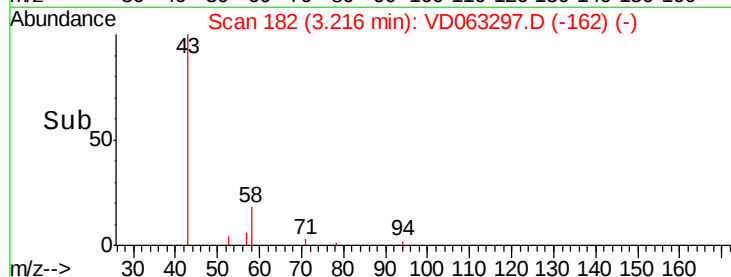
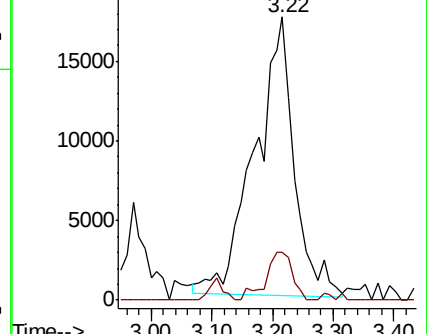
43 100

58 16.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.559 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063297.D

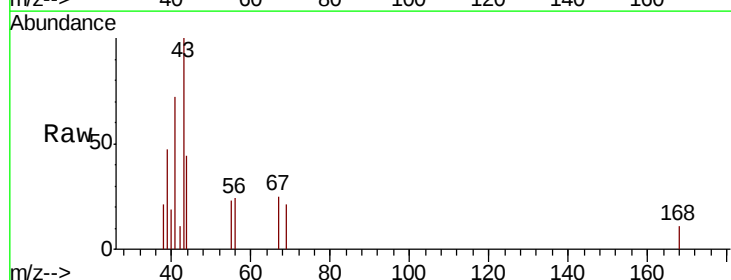
Acq: 1 Aug 2019 17:23

Tgt Ion: 43 Resp: 5202

Ion Ratio Lower Upper

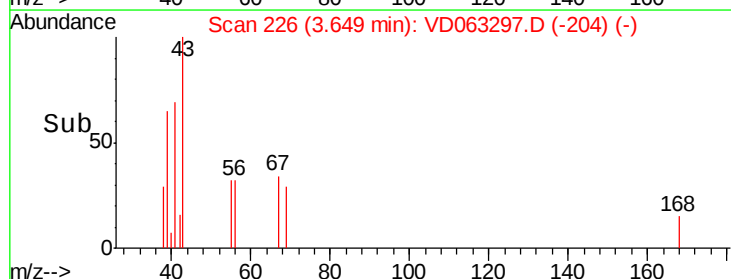
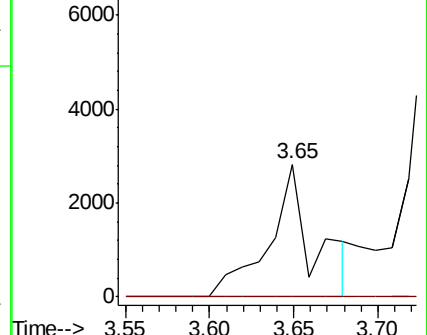
43 100

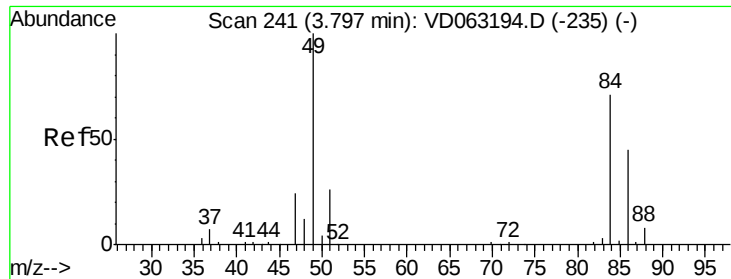
74 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: 1.857 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampled :

T3-1

Tot Ion: 84 Resp: 13043

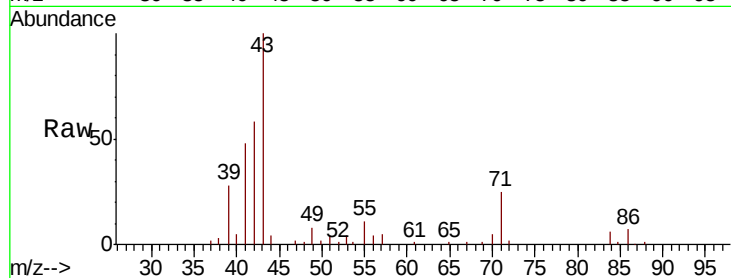
Ion Ratio Lower Upper

84 100

49 125.2 112.5 168.7

51 68.4 29.6 44.4#

86 108.0 50.4 75.6#

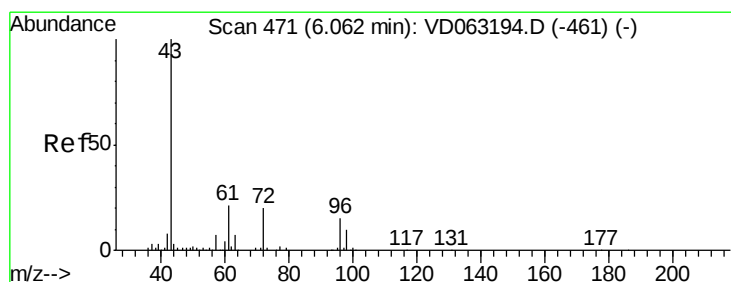
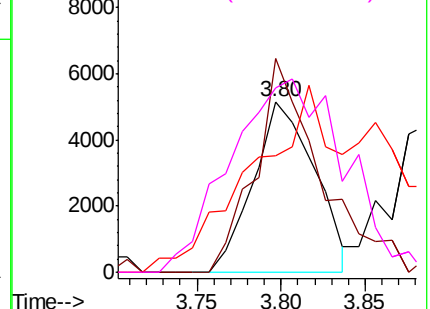
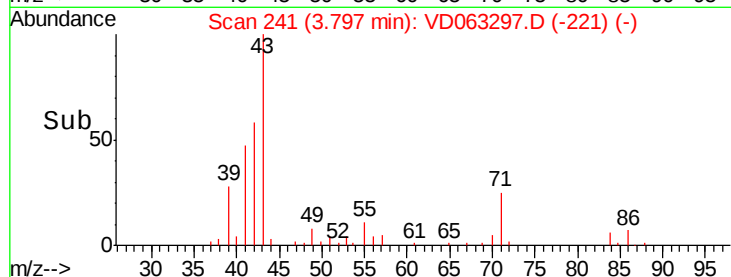


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 3.489 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063297.D

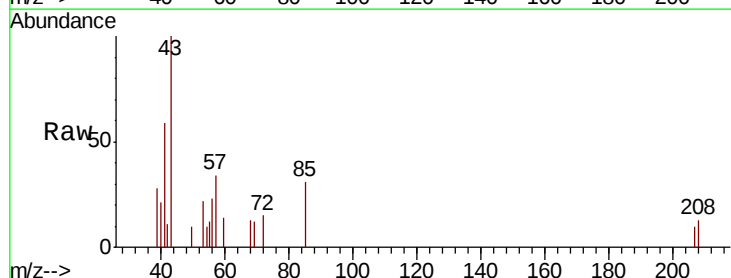
Acq: 1 Aug 2019 17:23

Tgt Ion: 43 Resp: 6083

Ion Ratio Lower Upper

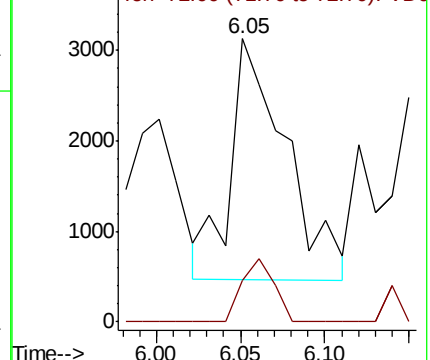
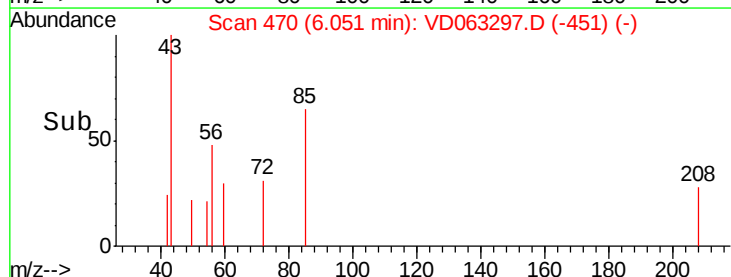
43 100

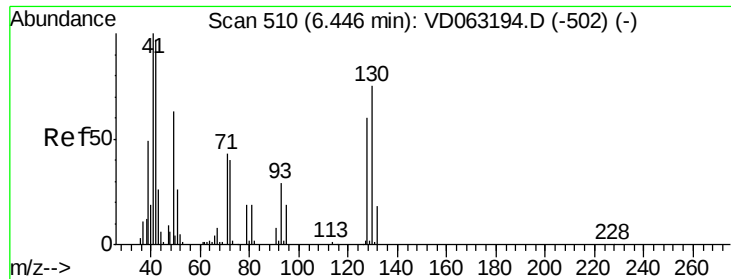
72 14.6 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

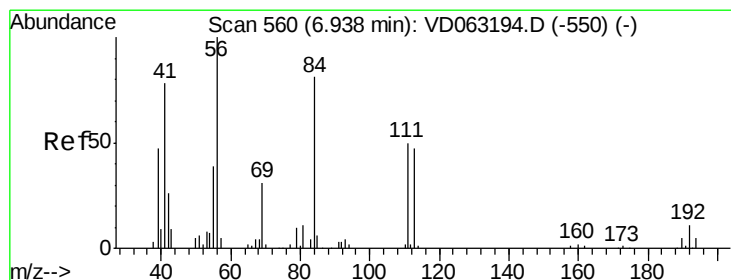
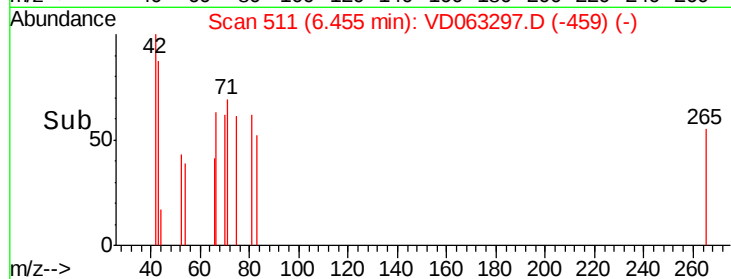
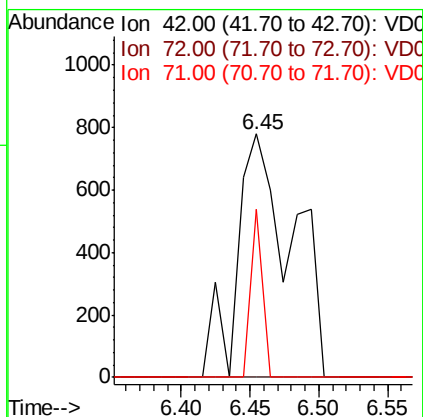
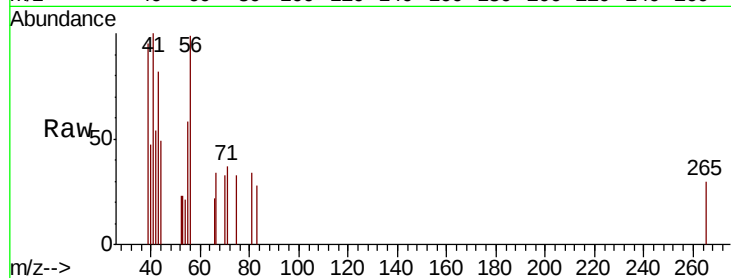




#29
Tetrahydrofuran
Concen: 2.642 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

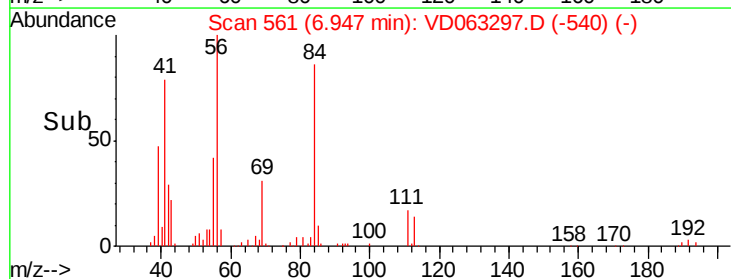
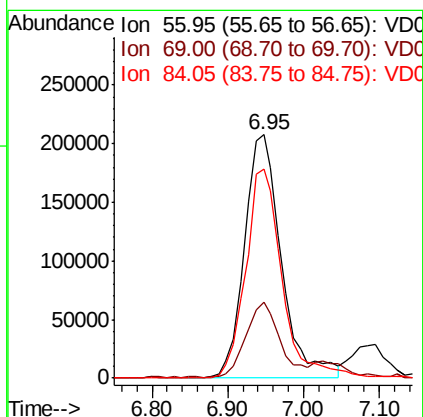
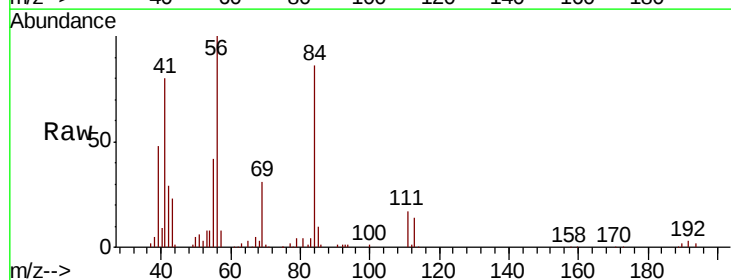
Instrument :
MSVOA_D
ClientSampleId :
T3-1

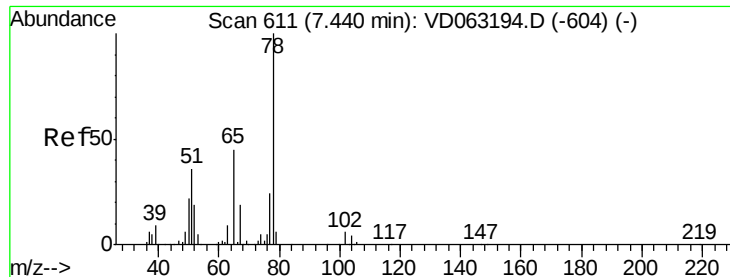
Tot Ion: 42 Resp: 2181
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 14.6 35.7 53.5#



#31
Cyclohexane
Concen: 88.749 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Tgt Ion: 56 Resp: 704871
Ion Ratio Lower Upper
56 100
69 31.4 24.5 36.7
84 85.9 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 42.251 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

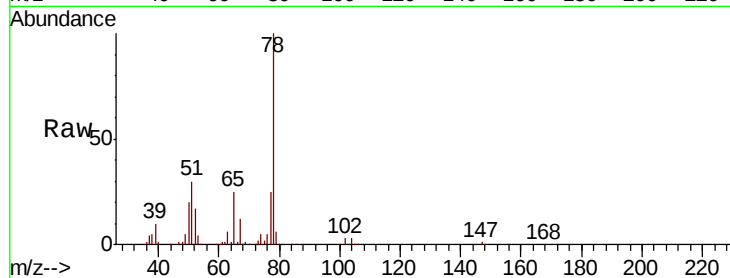
T3-1

Tot Ion: 65 Resp: 376727

Ion Ratio Lower Upper

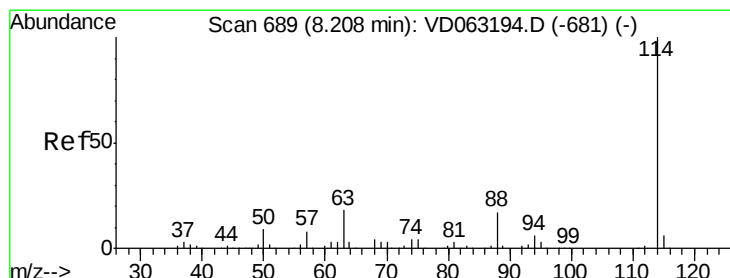
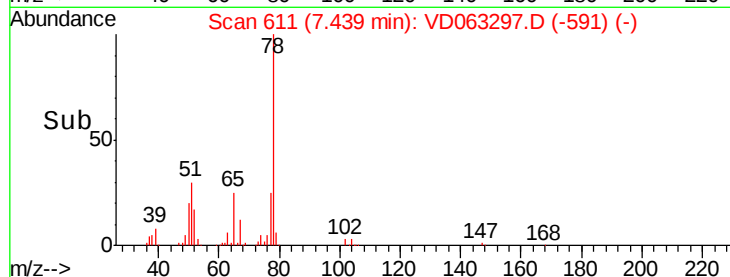
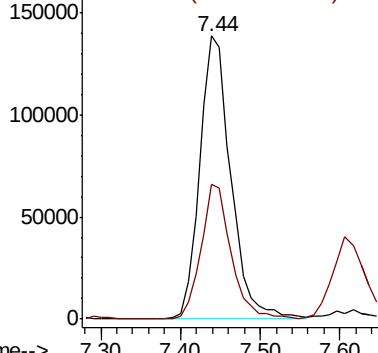
65 100

67 47.9 0.0 85.8



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: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

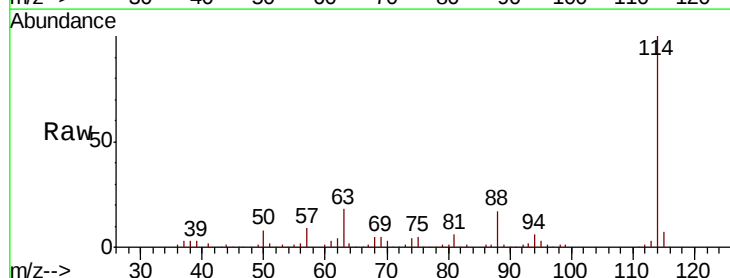
Tgt Ion: 114 Resp: 1259929

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.2

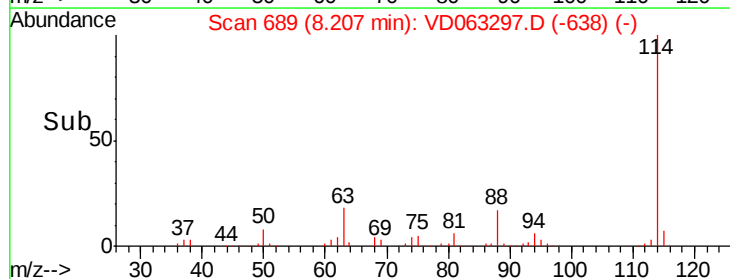
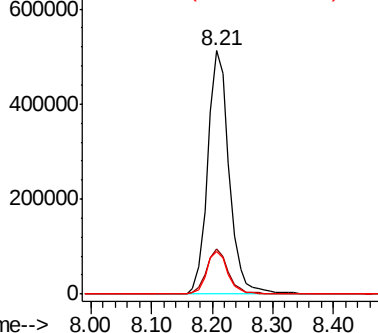
88 17.3 0.0 34.6

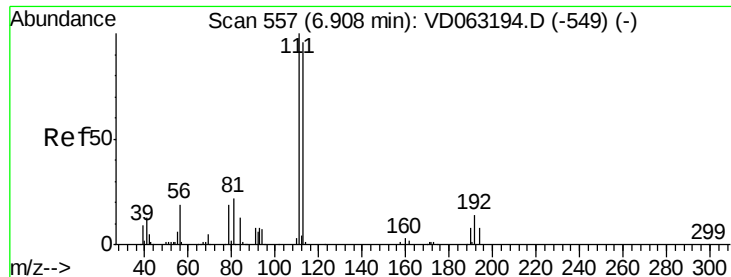


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 39.442 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

T3-1

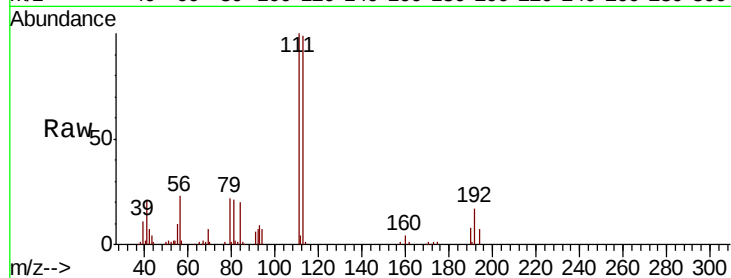
Tot Ion:113 Resp: 424285

Ion Ratio Lower Upper

113 100

111 101.3 83.2 124.8

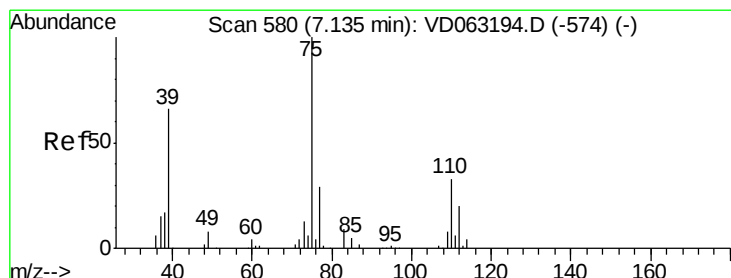
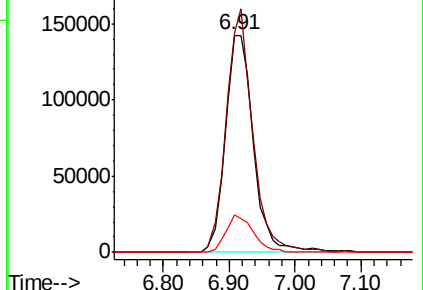
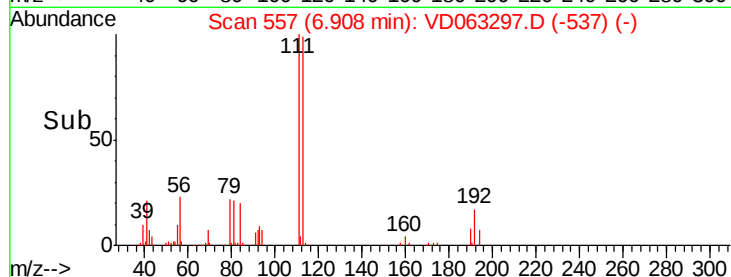
192 17.3 11.8 17.8



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: 5.190 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

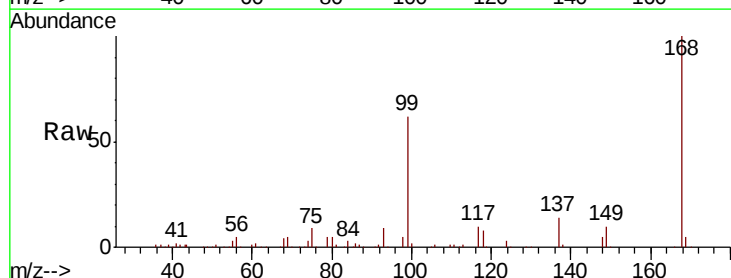
Tgt Ion: 75 Resp: 59676

Ion Ratio Lower Upper

75 100

110 7.0 16.1 48.2#

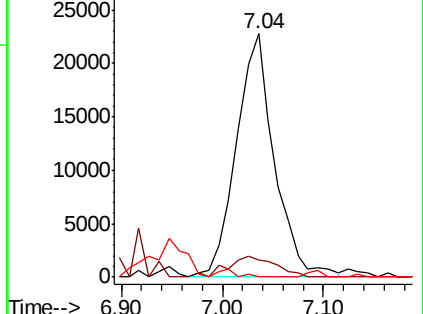
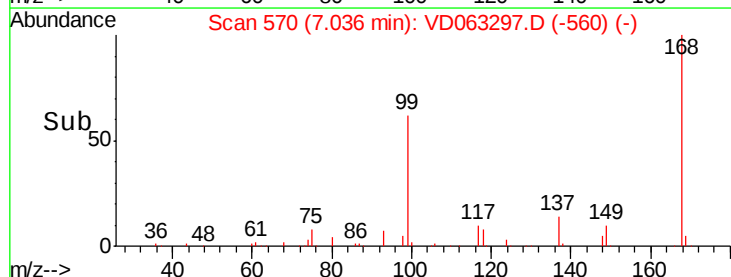
77 0.0 22.7 34.1#

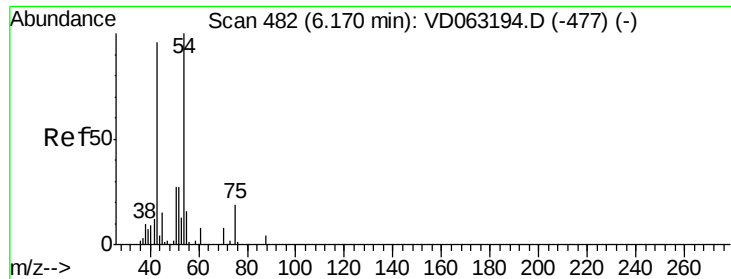


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.741 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

T3-1

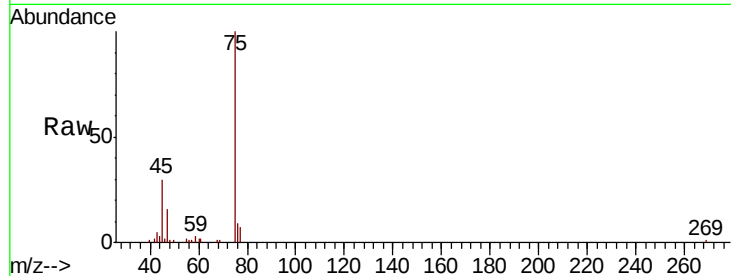
Tot Ion: 43 Resp: 8992

Ion Ratio Lower Upper

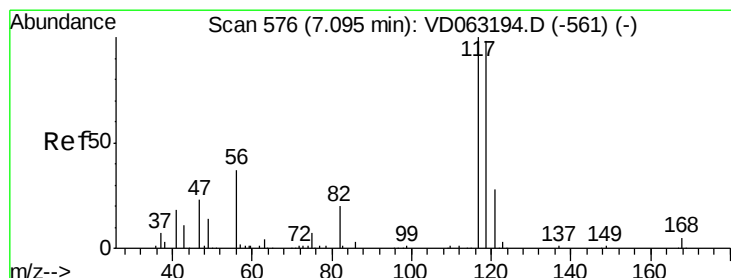
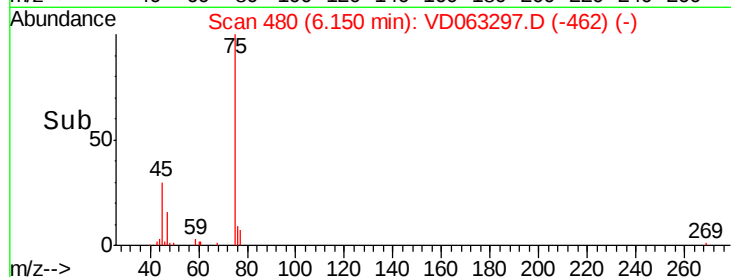
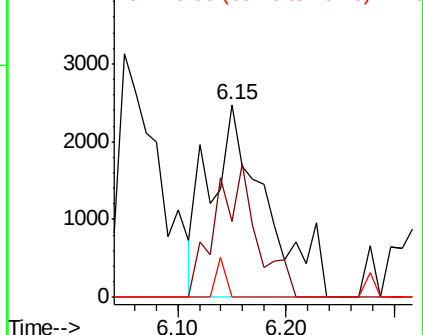
43 100

61 39.4 11.3 16.9#

70 0.0 5.1 7.7#



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: 4.157 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

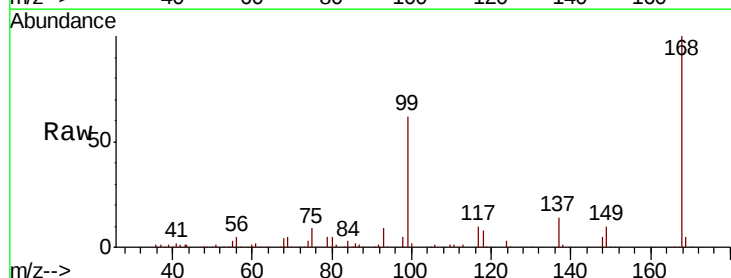
Tgt Ion: 117 Resp: 71966

Ion Ratio Lower Upper

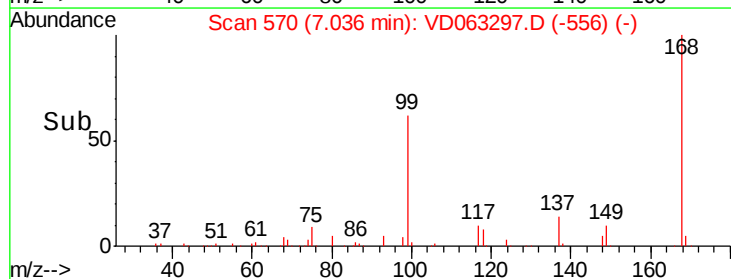
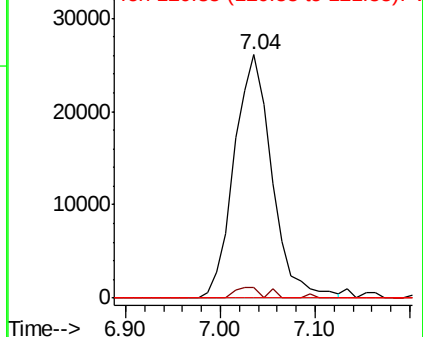
117 100

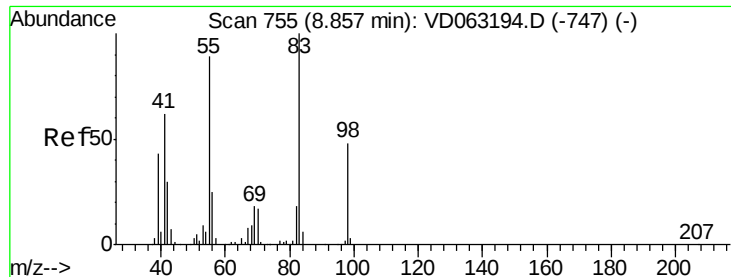
119 4.6 78.2 117.2#

121 0.0 22.1 33.1#



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

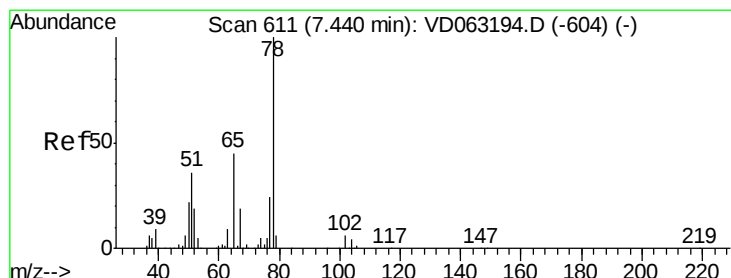
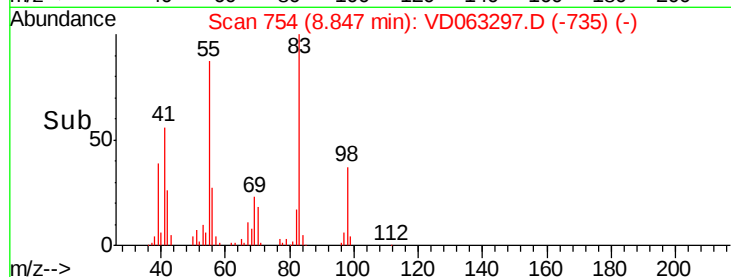
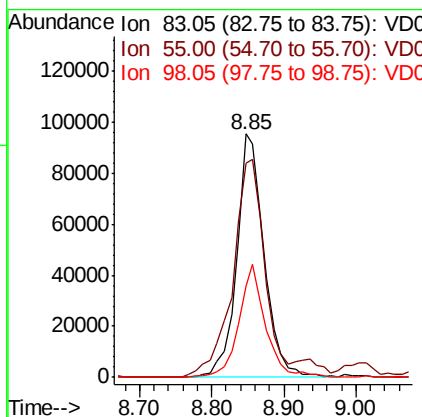
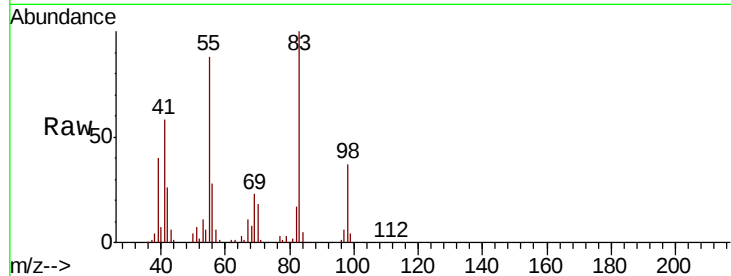




#39
Methvlcvclohexane
Concen: 26.205 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

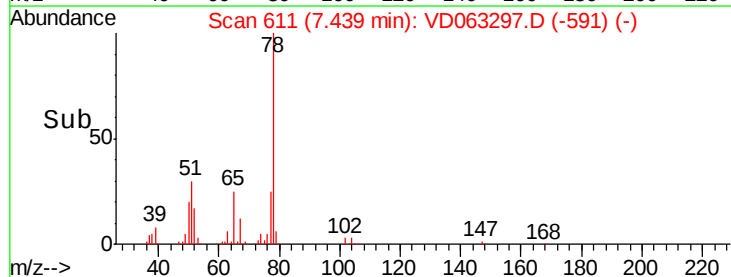
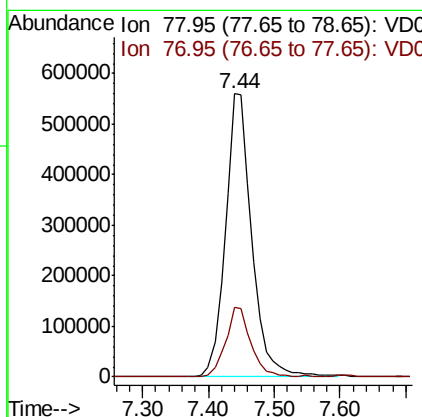
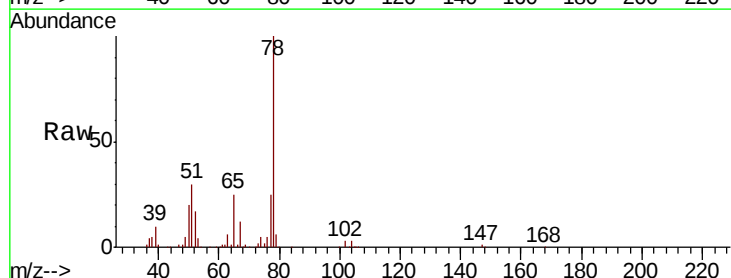
Instrument :
MSVOA_D
ClientSampleId :
T3-1

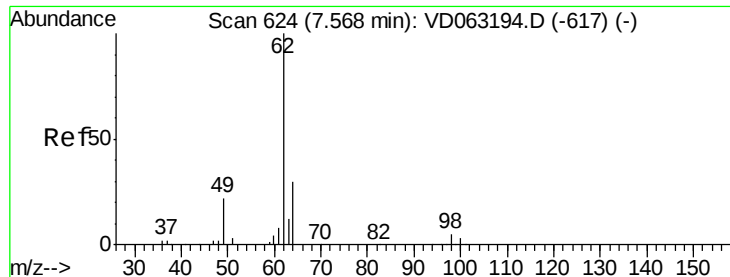
Tot Ion: 83 Resp: 251049
Ion Ratio Lower Upper
83 100
55 87.8 71.1 106.7
98 37.3 38.5 57.7#



#40
Benzene
Concen: 64.565 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Tgt Ion: 78 Resp: 1555918
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.2





#42

1,2-Dichloroethane

Concen: 1.315 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.12 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

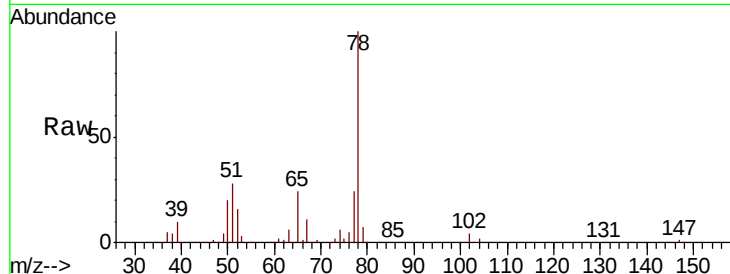
T3-1

Tot Ion: 62 Resp: 16791

Ion Ratio Lower Upper

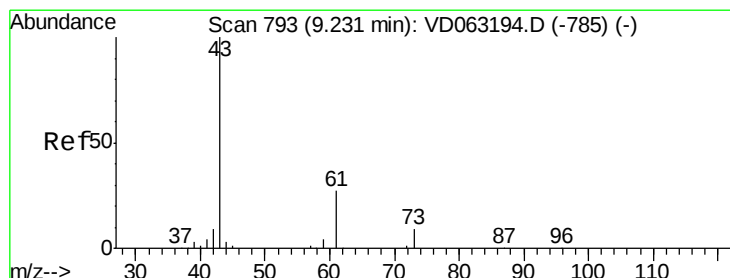
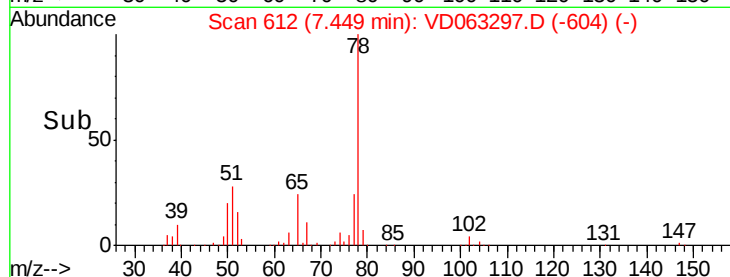
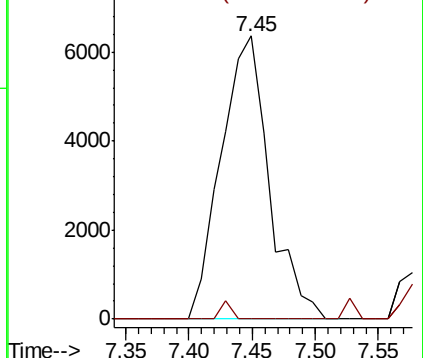
62 100

98 0.0 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#43

Isopropyl Acetate

Concen: 1.831 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.06 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

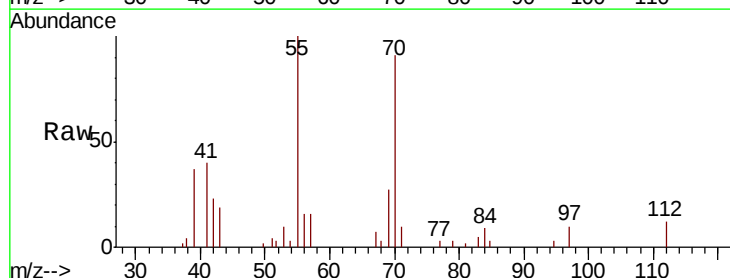
Tgt Ion: 43 Resp: 12085

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

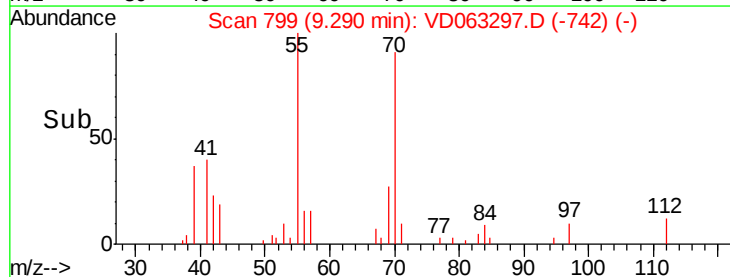
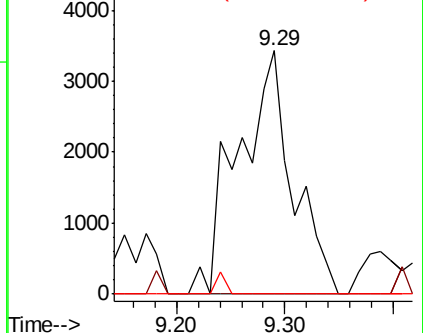
87 0.0 0.2 0.4#

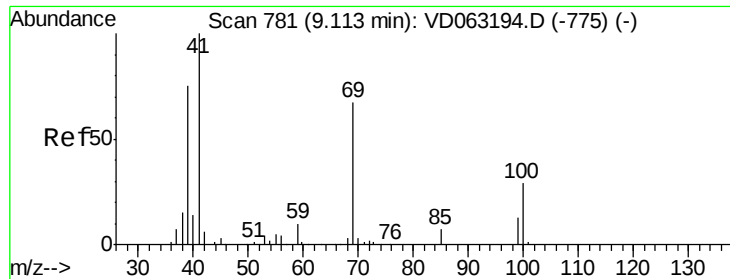


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

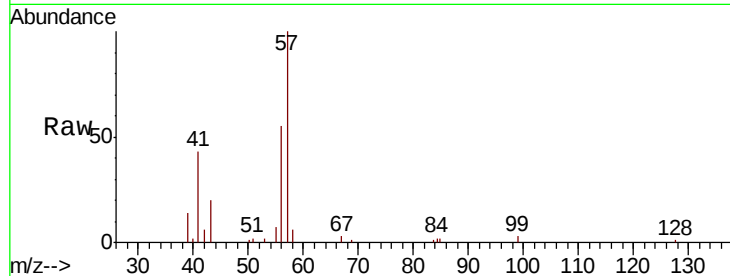




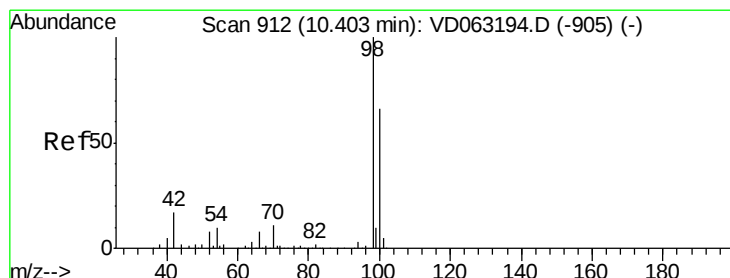
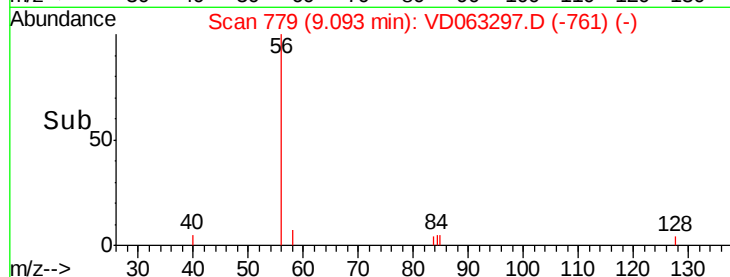
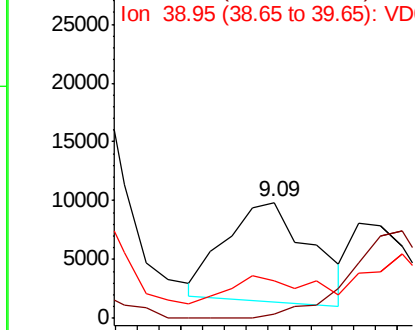
#48
Methyl methacrylate
Concen: 5.371 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.02 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Instrument :
MSVOA_D
ClientSampled :
T3-1

Tot Ion: 41 Resp: 22985
Ion Ratio Lower Upper
41 100
69 3.2 53.4 80.0#
39 31.8 60.3 90.5#

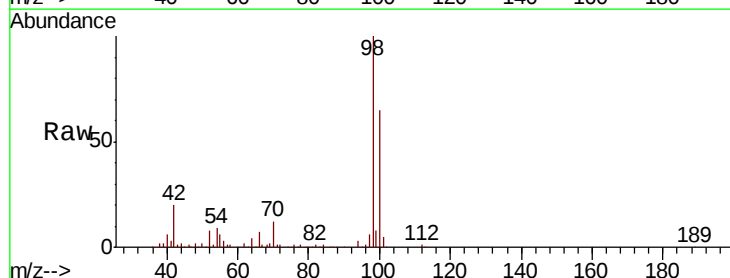


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

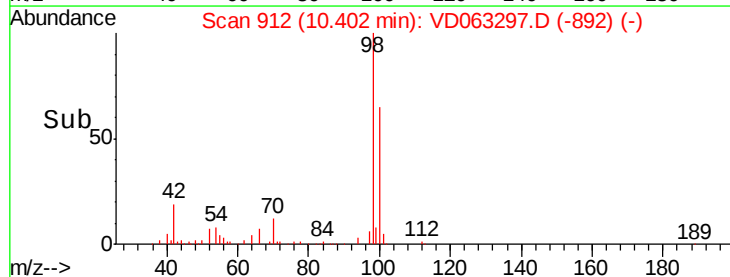
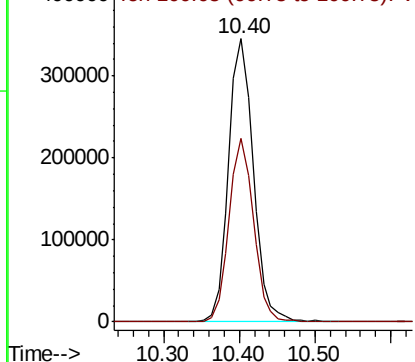


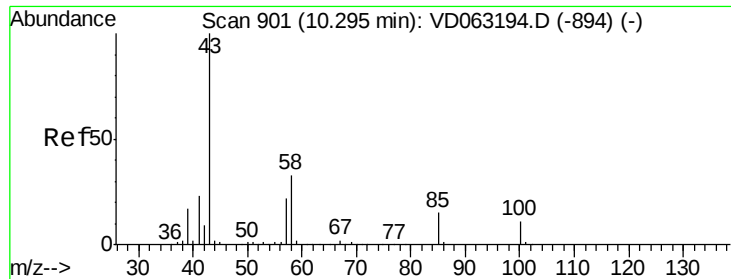
#50
Toluene-d8
Concen: 32.516 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Tgt Ion: 98 Resp: 782794
Ion Ratio Lower Upper
98 100
100 64.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 10.221 ug/l

RT: 10.34 min Scan# 906

Delta R.T. 0.05 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

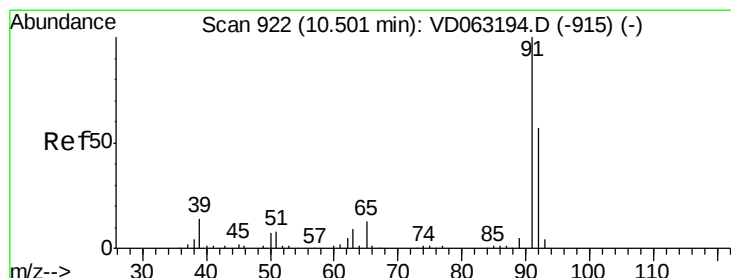
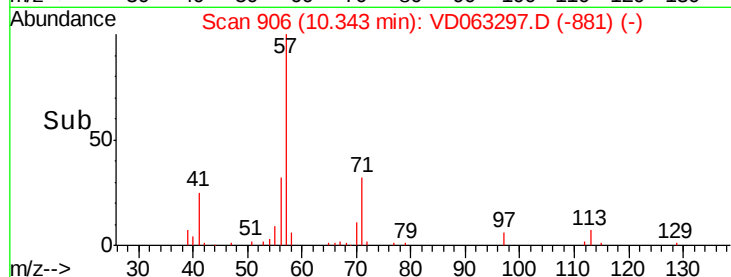
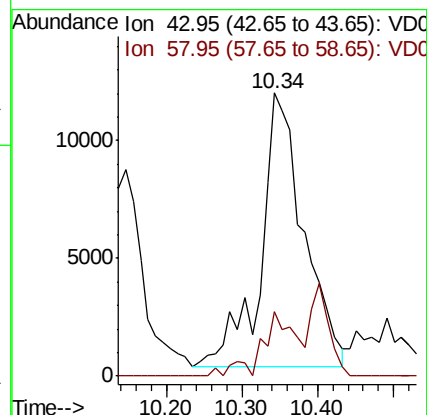
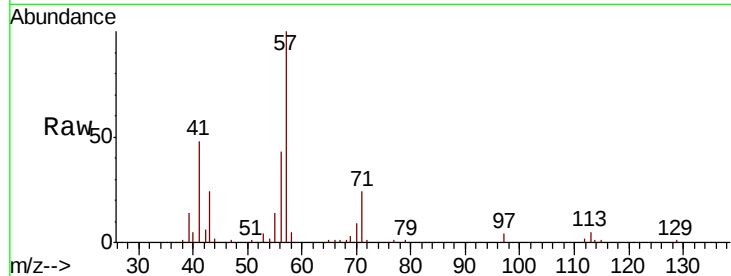
Instrument :
MSVOA_D
ClientSampled :
T3-1

Tot Ion: 43 Resp: 45867

Ion Ratio Lower Upper

43 100

58 23.0 26.2 39.2#



#52

Toluene

Concen: 18.606 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063297.D

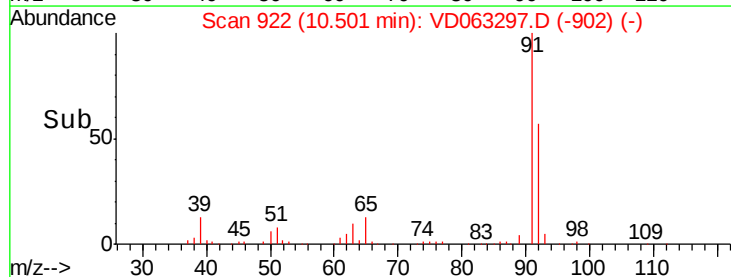
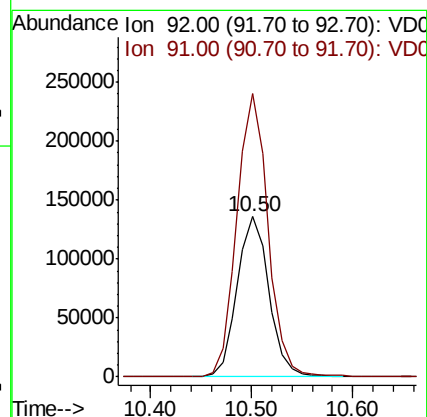
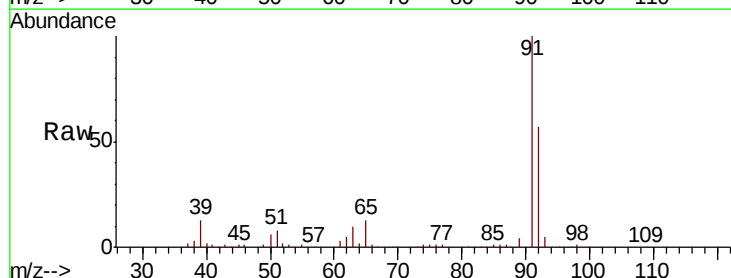
Acq: 1 Aug 2019 17:23

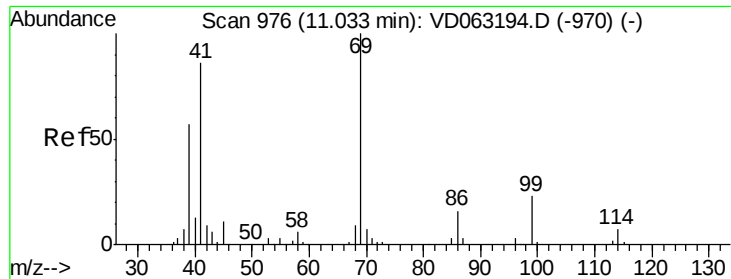
Tgt Ion: 92 Resp: 298222

Ion Ratio Lower Upper

92 100

91 176.8 140.8 211.2





#56

Ethyl methacrylate

Concen: 3.028 ug/l

RT: 11.09 min Scan# 982

Delta R.T. 0.06 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampled :

T3-1

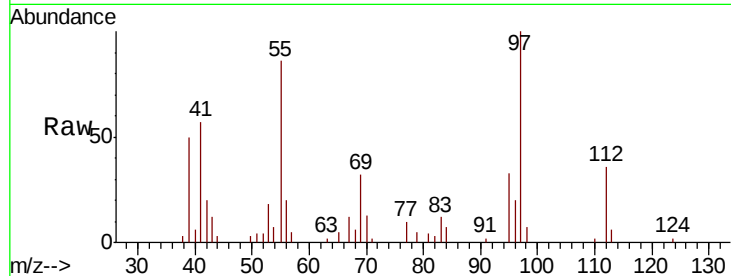
Tot Ion: 69 Resp: 17947

Ion Ratio Lower Upper

69 100

41 178.5 68.8 103.2#

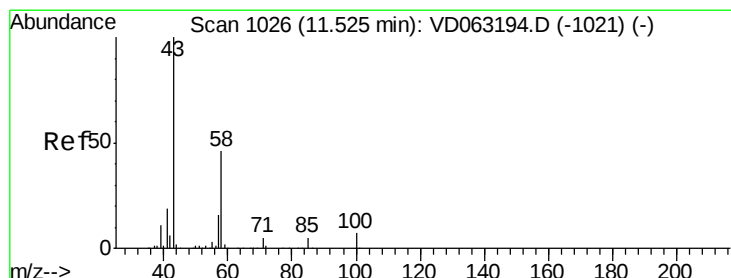
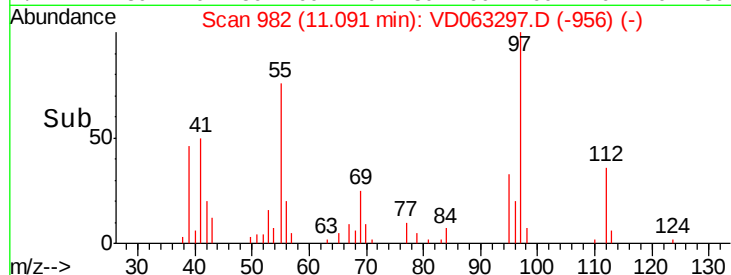
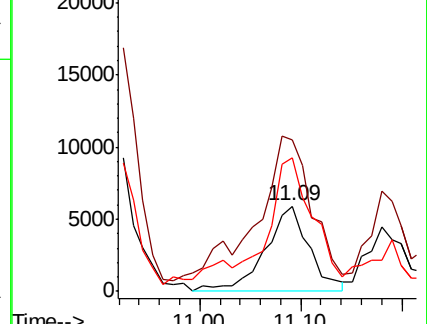
39 156.4 45.8 68.8#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 1.677 ug/l

RT: 11.57 min Scan# 1031

Delta R.T. 0.05 min

Lab File: VD063297.D

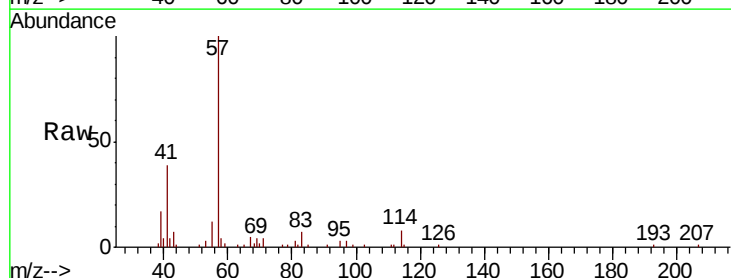
Acq: 1 Aug 2019 17:23

Tgt Ion: 43 Resp: 5422

Ion Ratio Lower Upper

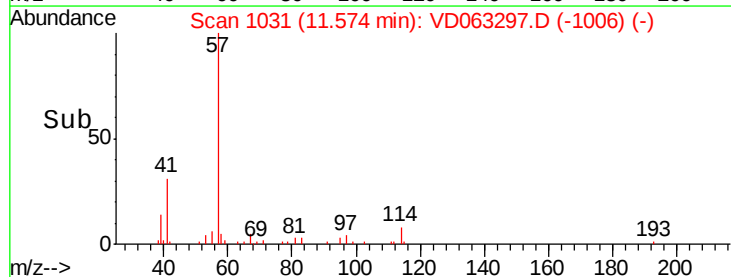
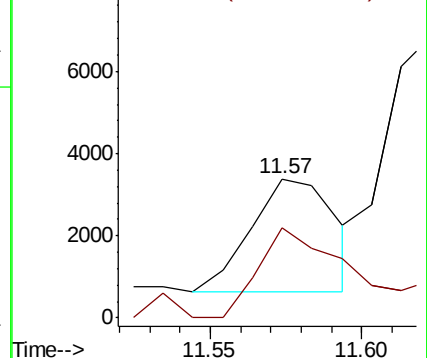
43 100

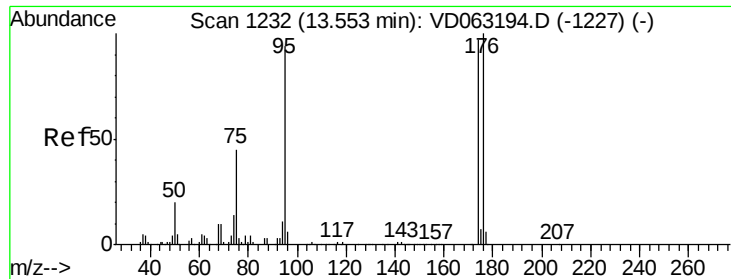
58 65.2 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 23.569 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

T3-1

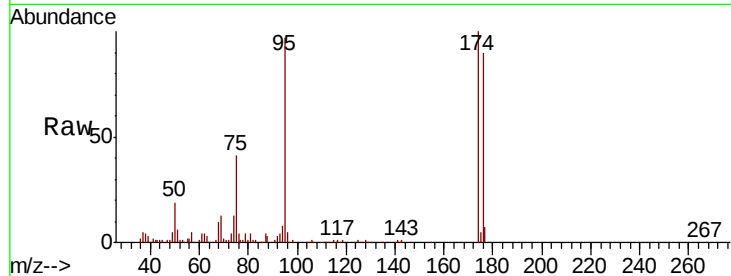
Tot Ion: 95 Resp: 258568

Ion Ratio Lower Upper

95 100

174 103.0 0.0 205.4

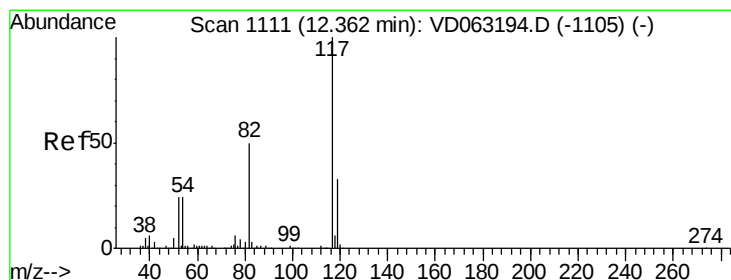
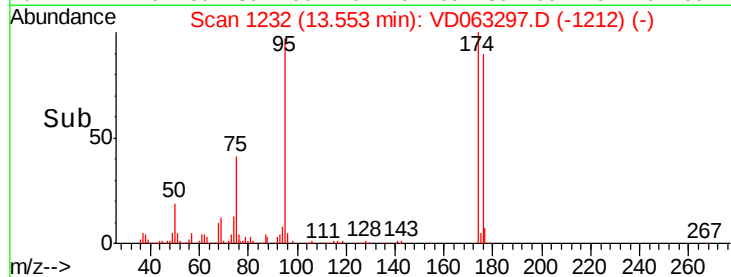
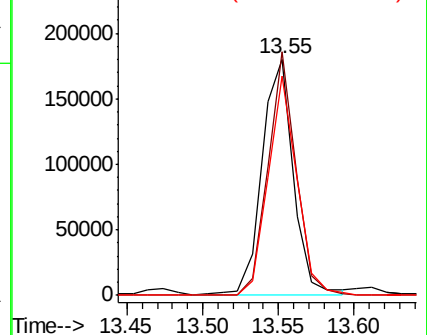
176 92.7 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

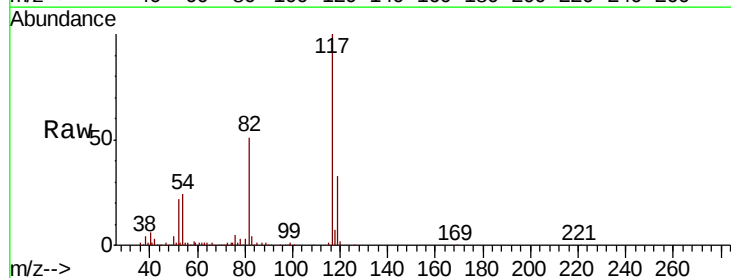
Tgt Ion: 117 Resp: 833179

Ion Ratio Lower Upper

117 100

82 50.9 40.1 60.1

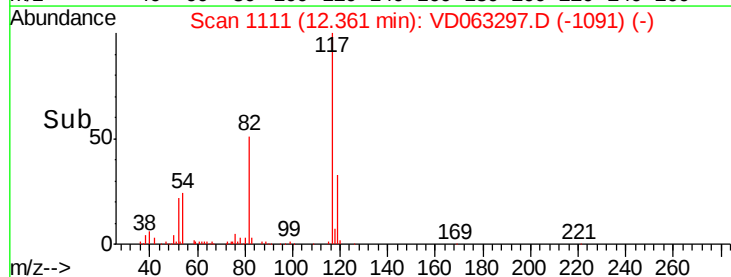
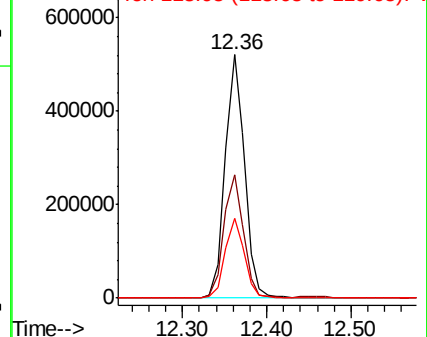
119 32.7 26.5 39.7

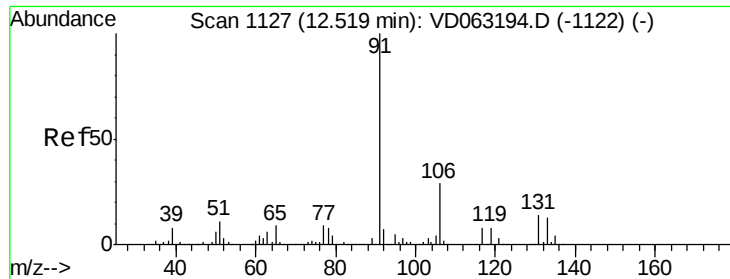


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

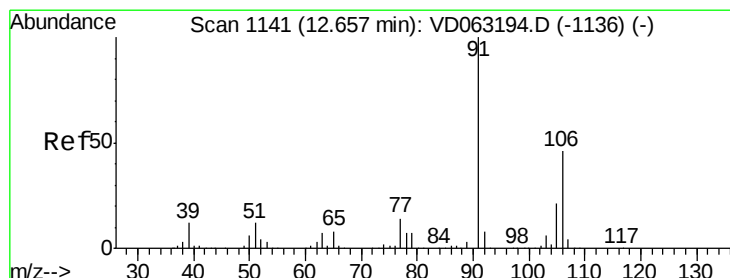
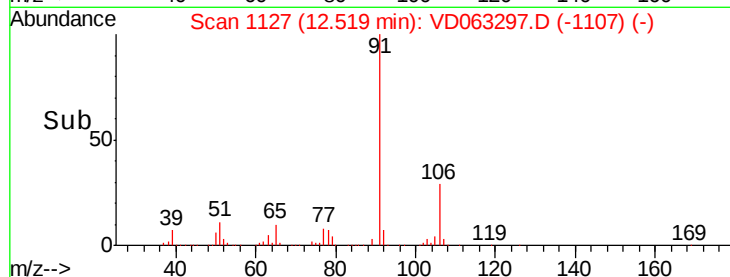
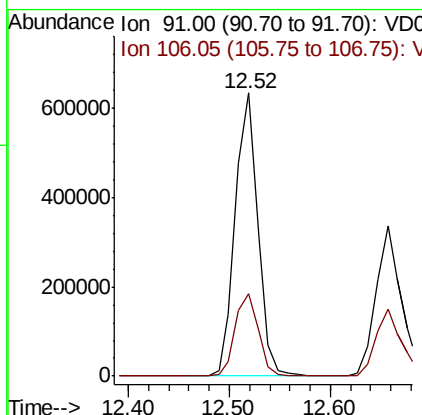
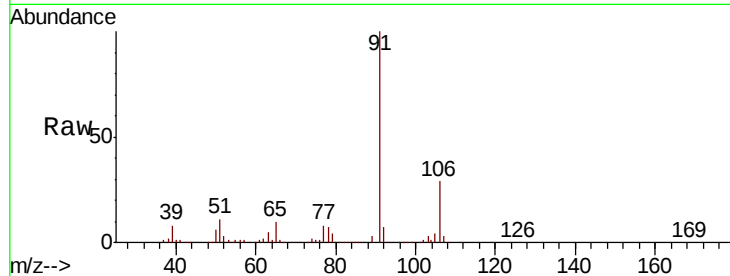




#67
Ethyl Benzene
Concen: 36.304 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

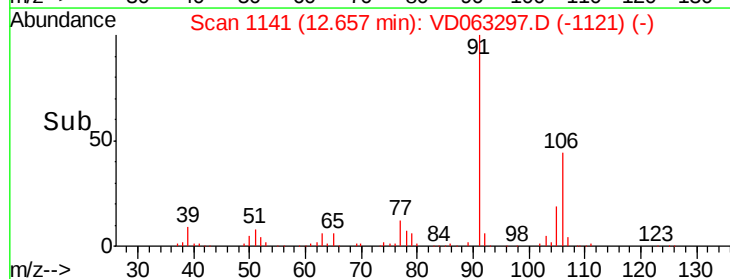
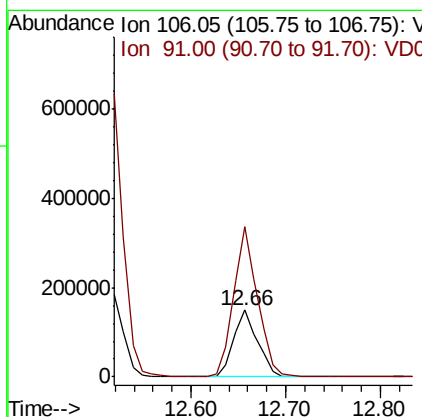
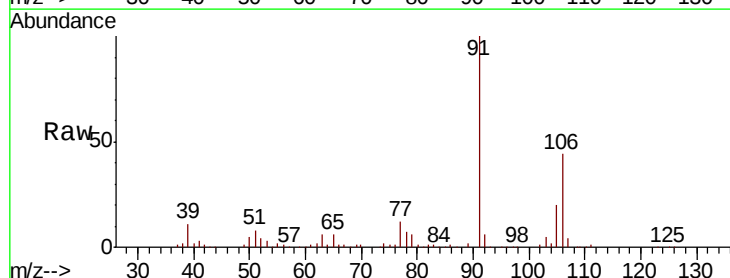
Instrument :
MSVOA_D
ClientSampleId :
T3-1

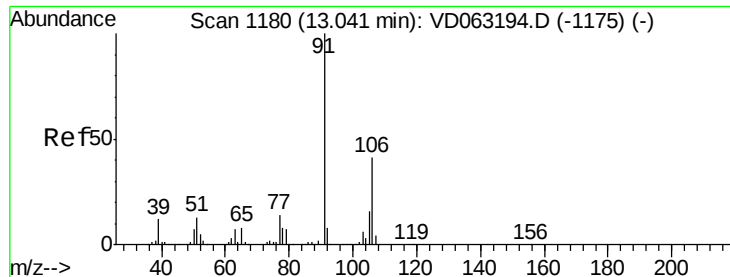
Tot Ion: 91 Resp: 988334
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3



#68
m/p-Xylenes
Concen: 26.513 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Tgt Ion: 106 Resp: 264701
Ion Ratio Lower Upper
106 100
91 225.7 172.6 259.0

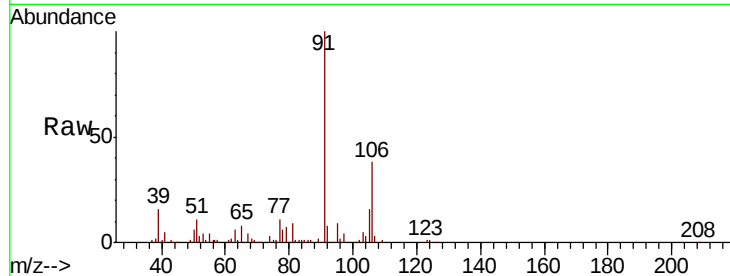




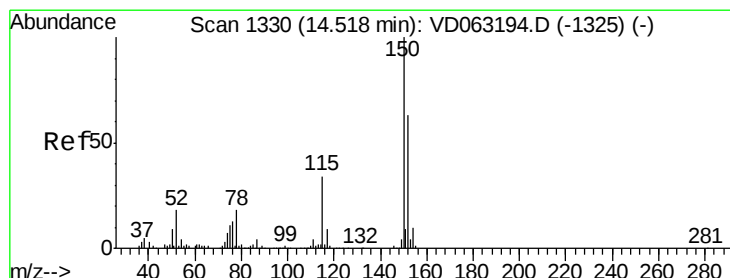
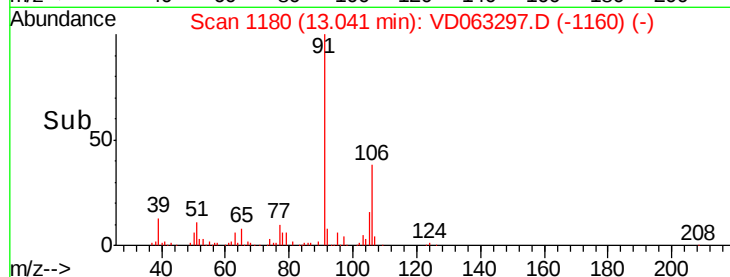
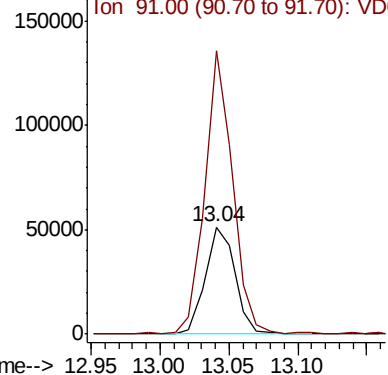
#69
o-Xylene
Concen: 8.394 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Instrument :
MSVOA_D
ClientSampleID :
T3-1

Tot Ion:106 Resp: 76956
Ion Ratio Lower Upper
106 100
91 265.2 121.3 363.9

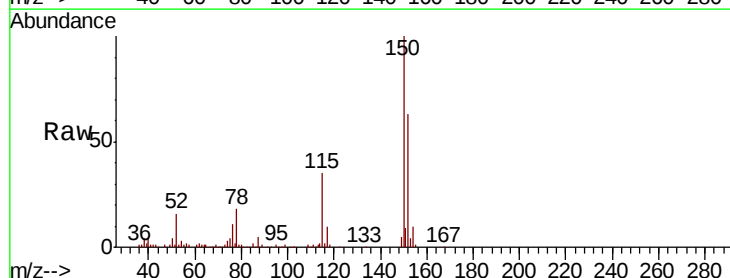


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

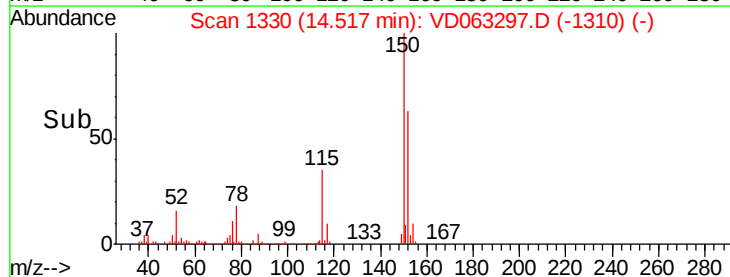
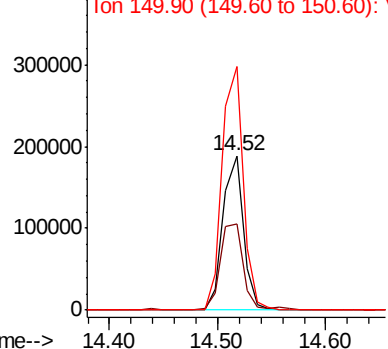


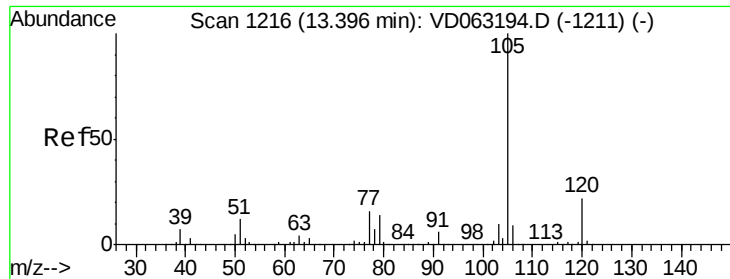
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Tgt Ion:152 Resp: 249189
Ion Ratio Lower Upper
152 100
115 55.6 27.5 82.4
150 158.0 0.0 320.6



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: 3.310 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

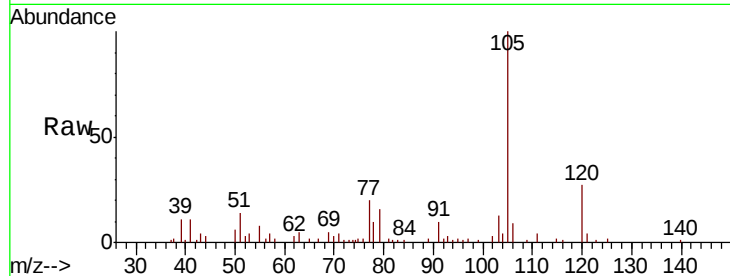
T3-1

Tot Ion:105 Resp: 51767

Ion Ratio Lower Upper

105 100

120 27.5 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

30000

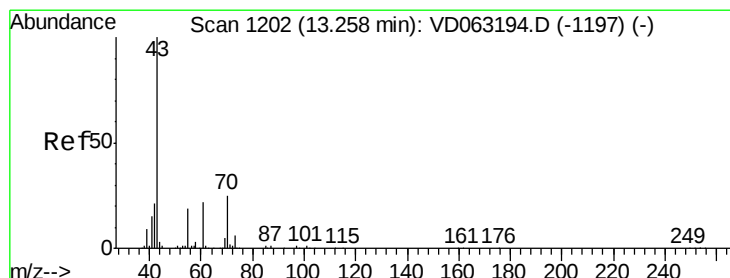
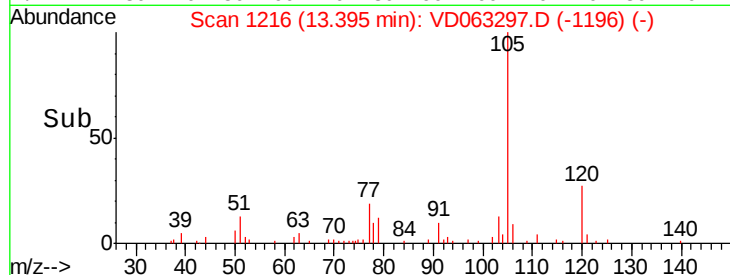
20000

10000

0

Time-->

13.35 13.40 13.45



#74

N-ethyl acetate

Concen: 2.552 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.04 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Tgt Ion: 43 Resp: 10552

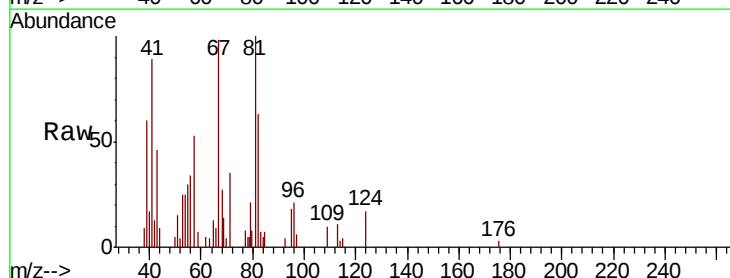
Ion Ratio Lower Upper

43 100

70 9.0 20.2 30.4#

55 64.1 14.9 22.3#

61 0.0 17.9 26.9#



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

10000

8000

6000

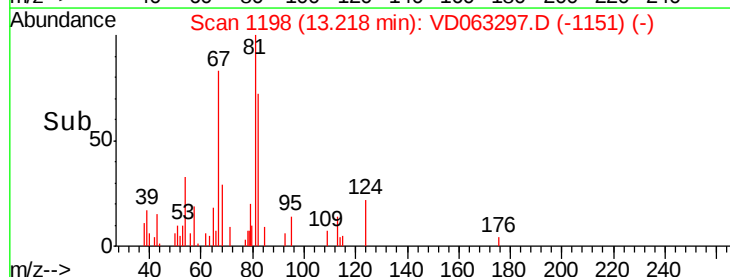
4000

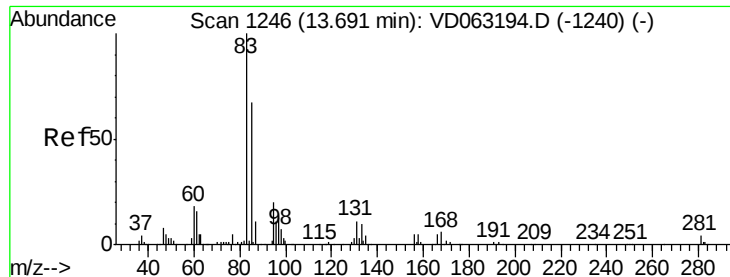
2000

0

Time-->

13.10 13.15 13.20 13.25





#75

1,1,2,2-Tetrachloroethane

Concen: 1.649 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

T3-1

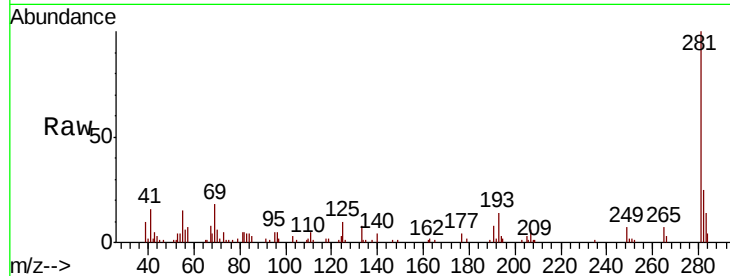
Tot Ion: 83 Resp: 4382

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

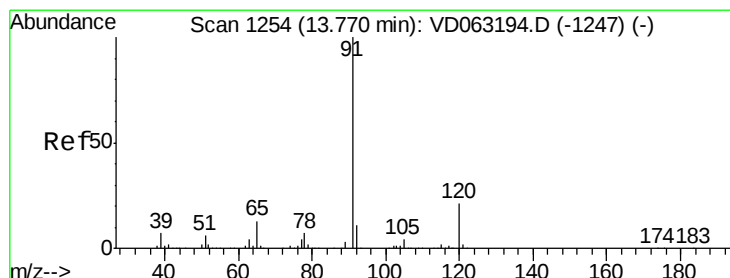
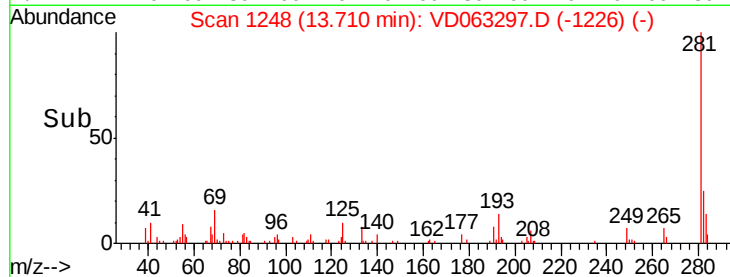
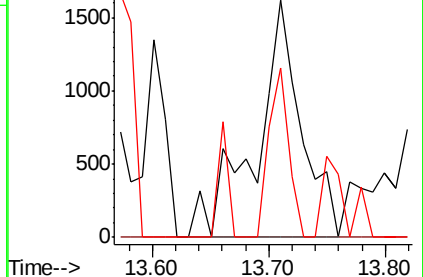
85 71.4 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#78

n-propylbenzene

Concen: 5.106 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063297.D

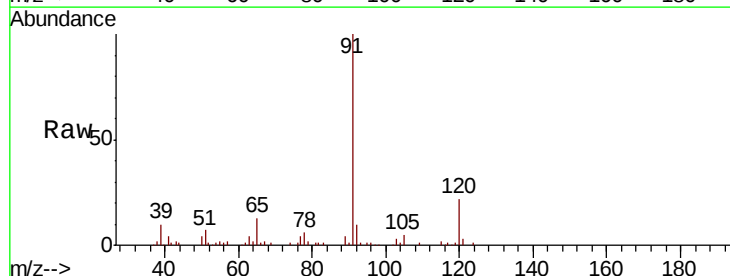
Acq: 1 Aug 2019 17:23

Tgt Ion: 91 Resp: 95032

Ion Ratio Lower Upper

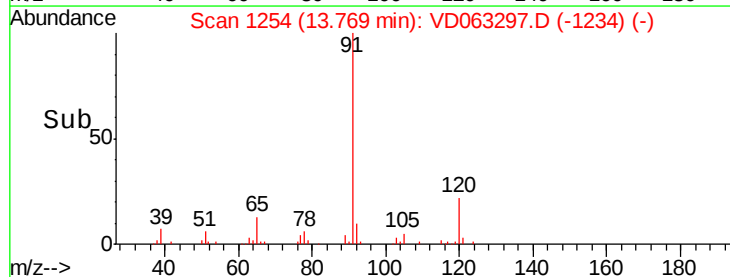
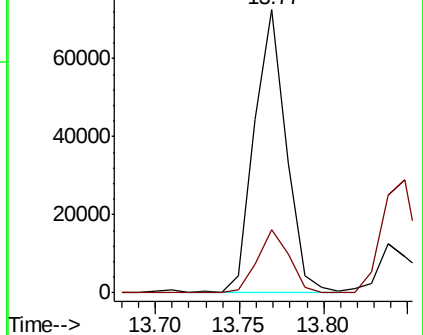
91 100

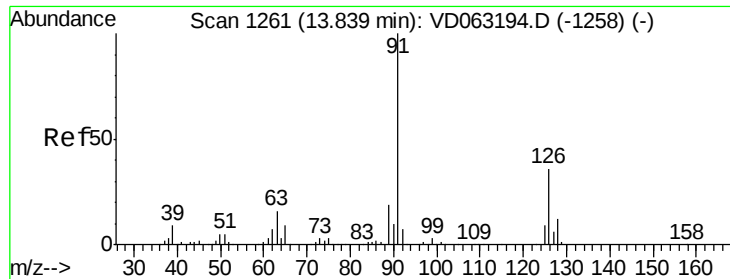
120 22.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

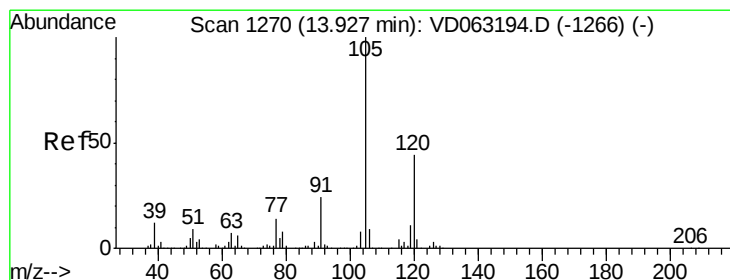
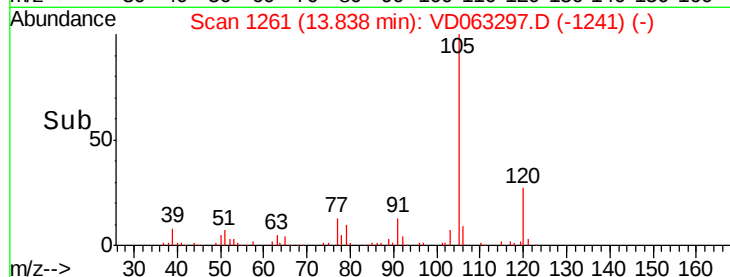
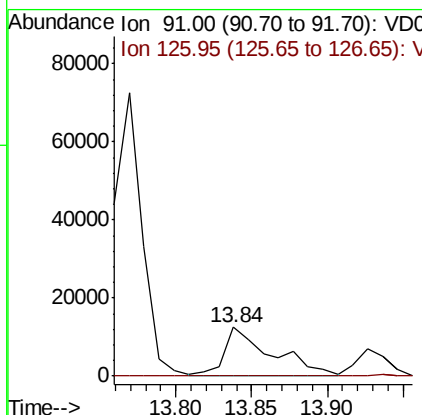
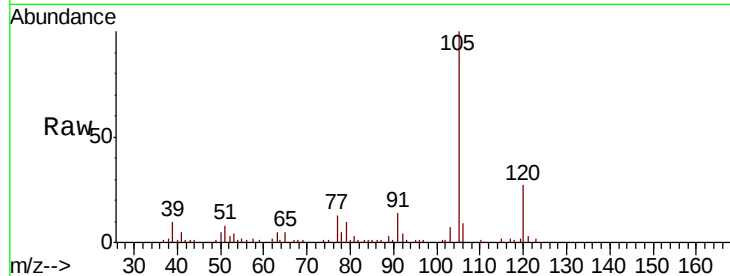




#79
 2-Chlorotoluene
 Concen: 2.562 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063297.D
 Acq: 1 Aug 2019 17:23

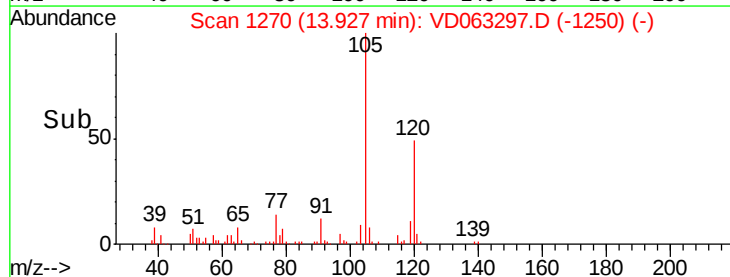
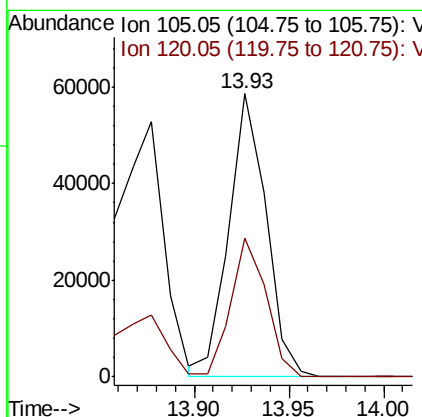
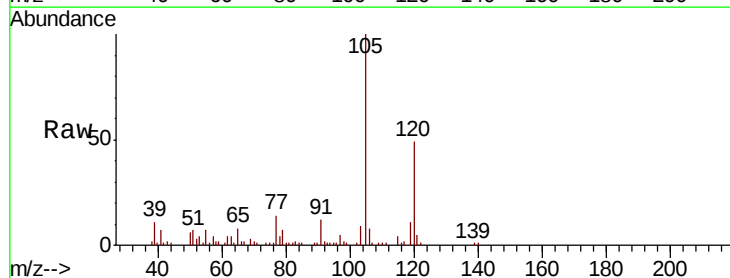
Instrument :
 MSVOA_D
 ClientSampleId :
 T3-1

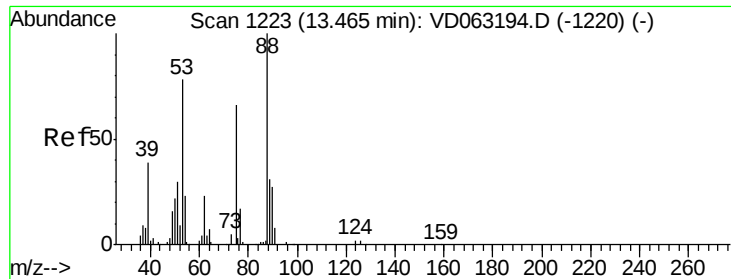
Tot Ion: 91 Resp: 27634
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 5.899 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063297.D
 Acq: 1 Aug 2019 17:23

Tgt Ion: 105 Resp: 79569
 Ion Ratio Lower Upper
 105 100
 120 49.2 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 132.773 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

T3-1

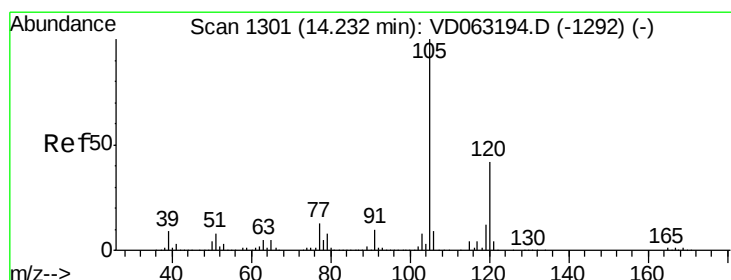
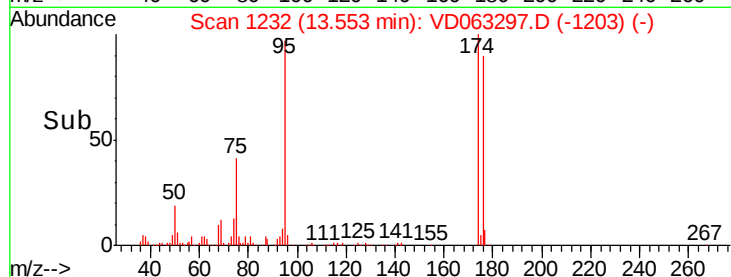
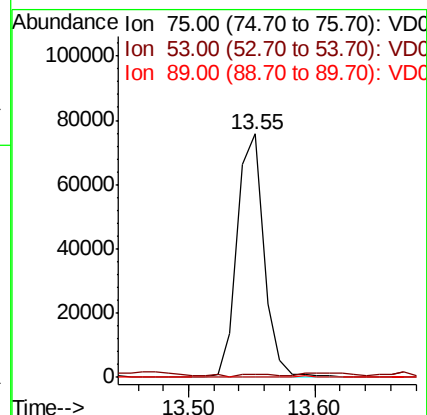
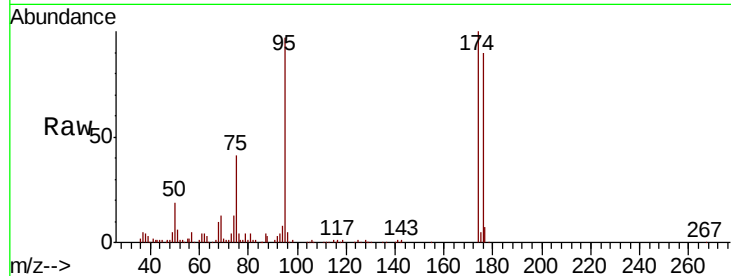
Tot Ion: 75 Resp: 110350

Ion Ratio Lower Upper

75 100

53 1.3 94.9 142.3#

89 0.0 37.4 56.0#



#84

1,2,4-Trimethylbenzene

Concen: 15.809 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063297.D

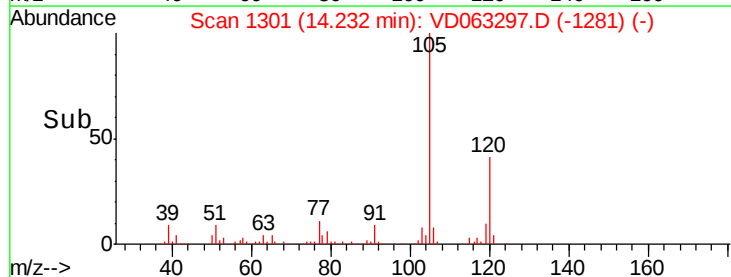
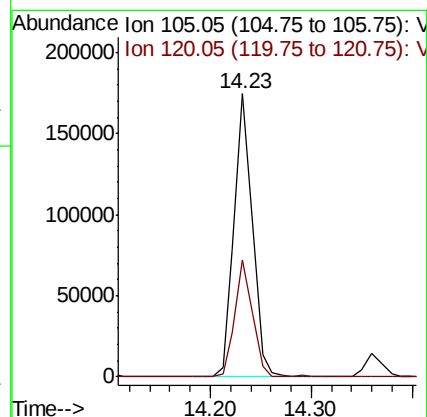
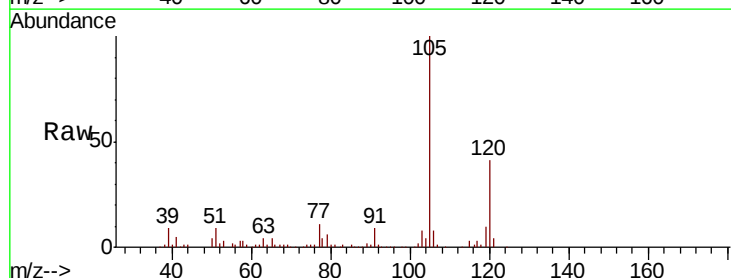
Acq: 1 Aug 2019 17:23

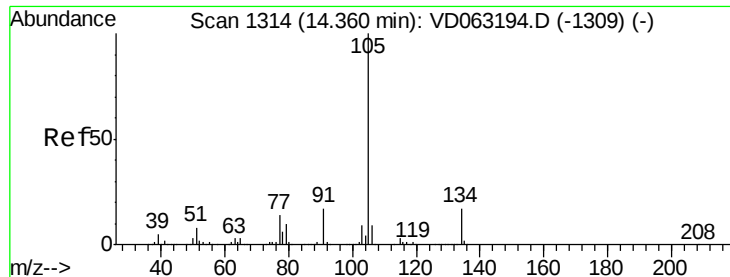
Tgt Ion:105 Resp: 220574

Ion Ratio Lower Upper

105 100

120 41.2 20.9 62.7





#85

sec-Butylbenzene

Concen: 1.106 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

Instrument :

MSVOA_D

ClientSampleId :

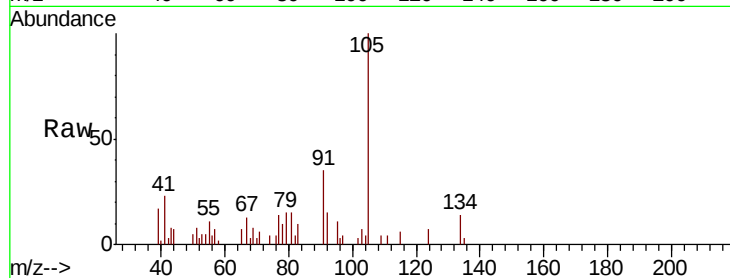
T3-1

Tot Ion:105 Resp: 17955

Ion Ratio Lower Upper

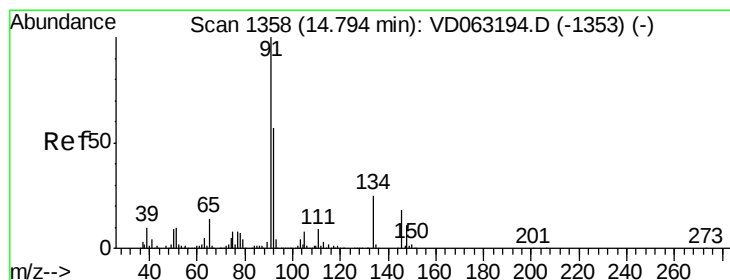
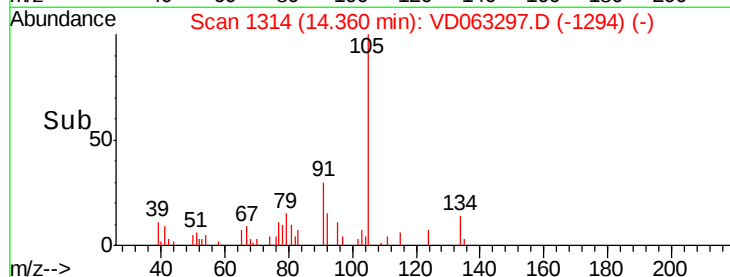
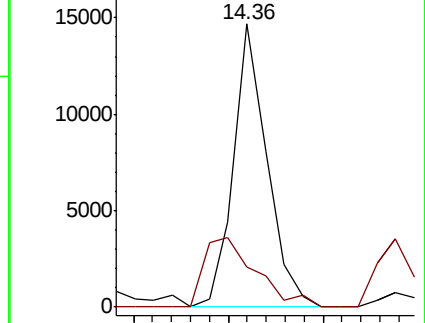
105 100

134 14.2 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#89

n-Butylbenzene

Concen: 2.904 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063297.D

Acq: 1 Aug 2019 17:23

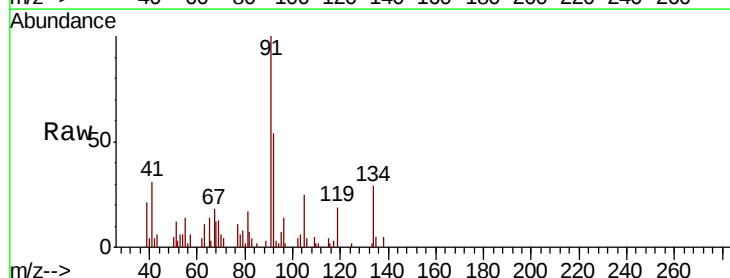
Tgt Ion: 91 Resp: 38841

Ion Ratio Lower Upper

91 100

92 53.8 28.3 85.0

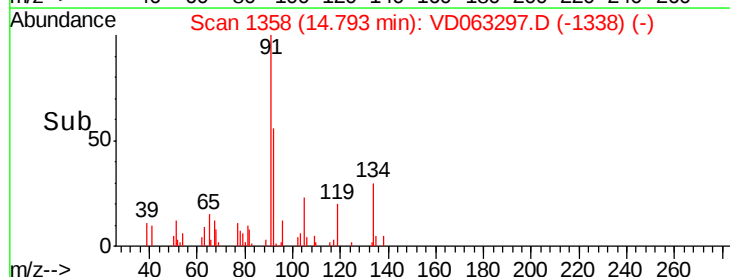
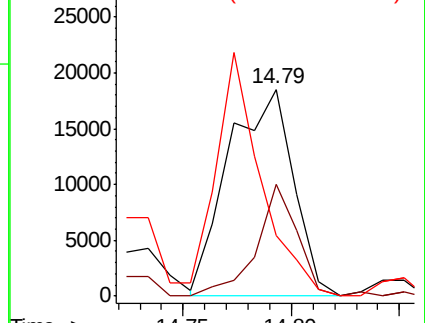
134 29.4 12.3 36.8

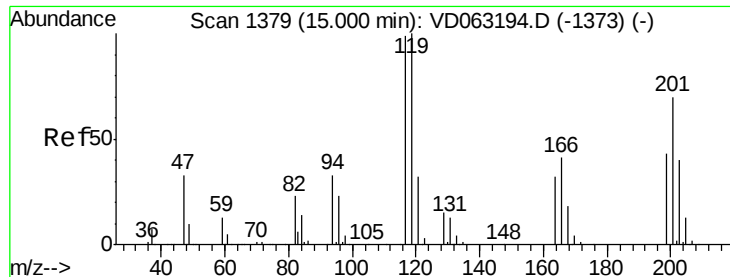


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

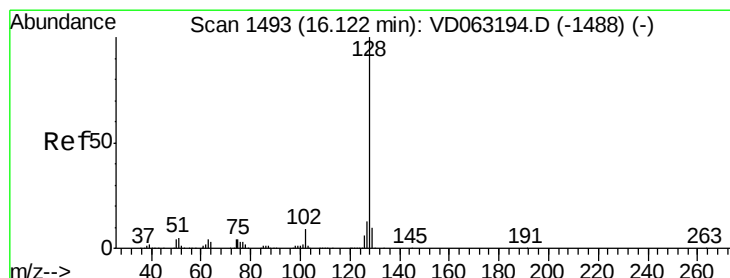
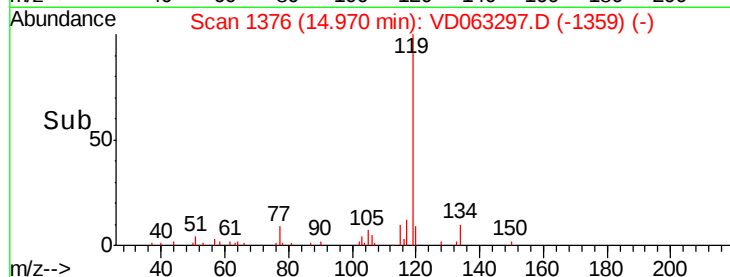
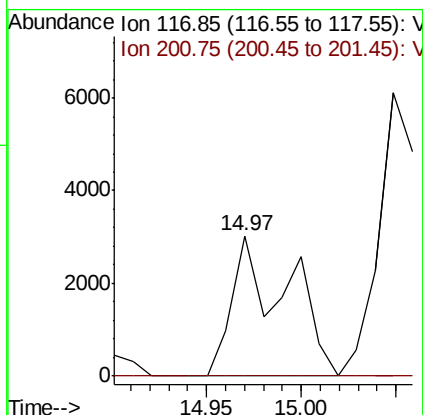
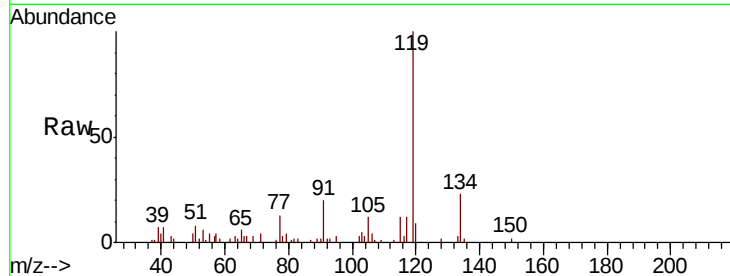




#90
Hexachloroethane
Concen: 1.503 ug/l
RT: 14.97 min Scan# 1376
Delta R.T. -0.03 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Instrument :
MSVOA_D
ClientSampleId :
T3-1

Tot Ion:117 Resp: 6066
Ion Ratio Lower Upper
117 100
201 0.0 35.2 105.6#



#95
Naphthalene
Concen: 4.167 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063297.D
Acq: 1 Aug 2019 17:23

Tgt Ion:128 Resp: 32116
Ion Ratio Lower Upper
128 100
127 17.4 10.2 15.4#
129 14.3 7.8 11.8#

