

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066139.D
 Acq On : 06 Aug 2020 17:22
 Operator : VA/SY
 Sample : L3563-01
 Misc : 2.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-30860

Quant Time: Aug 07 01:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	262413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	444412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	380085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	86121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	118931	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	7.91	113	136076	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.34	98	526148	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.64	95	140124	37.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.84%	

Target Compounds

						Qvalue
3) Chloromethane	2.31	50	18975	10.551	ug/l #	73
8) Diethyl Ether	3.70	74	1362	1.163	ug/l	51
10) Methyl Iodide	4.29	142	216	6.795	ug/l #	73
11) Tert butyl alcohol	5.22	59	229868	1505.730	ug/l	95
13) Acrolein	3.91	56	1321	7.089	ug/l	91
14) Allyl chloride	4.65	41	8219	2.334	ug/l #	22
15) Acrylonitrile	5.41	53	5003	10.136	ug/l #	86
16) Acetone	4.15	43	5530837	12450.931	ug/l	99
17) Carbon Disulfide	4.40	76	67827	9.179	ug/l	100
18) Methyl Acetate	4.79	43	106231	94.151	ug/l #	49
19) Methyl tert-butyl Ether	5.47	73	33158	6.225	ug/l #	8
20) Methylene Chloride	4.97	84	15116	1.390	ug/l #	83
25) 2-Butanone	7.21	43	227225	347.784	ug/l	97
29) Tetrahydrofuran	7.53	42	1607	3.970	ug/l #	65
31) Cyclohexane	7.96	56	440096	107.301	ug/l #	48
36) 1,1-Dichloropropene	7.98	75	19173	4.591	ug/l #	50
37) Ethyl Acetate	7.21	43	227225	137.326	ug/l #	66
38) Carbon Tetrachloride	7.97	117	24672	5.298	ug/l #	14
39) Methylcyclohexane	9.35	83	646418	128.047	ug/l	96
40) Benzene	8.35	78	108200	9.340	ug/l	98
41) Methacrylonitrile	7.52	41	9171	9.427	ug/l #	22
43) Isopropyl Acetate	8.44	43	171936	52.739	ug/l #	50
47) Bromodichloromethane	9.53	83	11160	2.706	ug/l #	28
48) Methyl methacrylate	9.45	41	54926	32.995	ug/l #	61
49) 1,4-Dioxane	9.30	88	93	4.638	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	315923	188.657	ug/l	99
52) Toluene	10.40	92	7077841	928.475	ug/l	96
53) t-1,3-Dichloropropene	10.40	75	89403	22.839	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	251627	111.968	ug/l #	21
56) Ethyl methacrylate	10.68	69	54142	20.055	ug/l #	12
59) 2-Hexanone	10.95	43	243812	207.454	ug/l #	24
67) Ethyl Benzene	11.74	91	1201112	89.831	ug/l	100
68) m/p-Xylenes	11.85	106	620552	119.788	ug/l	99
69) o-Xylene	12.18	106	228212	48.427	ug/l	97

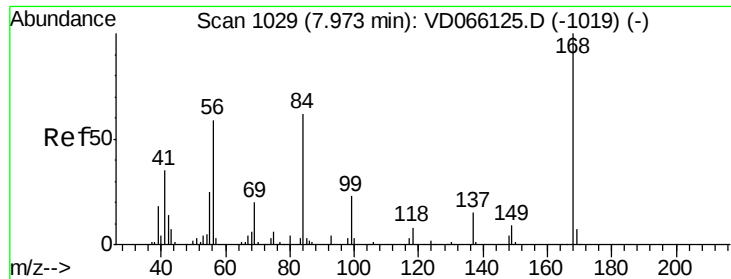
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Styrene	12.18	104	14116	1.709	ug/l #	1
73) Isopropylbenzene	12.48	105	84868	14.763	ug/l	99
74) N-amyl acetate	12.26	43	123206	97.325	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.76	83	21426	21.857	ug/l #	40
76) 1,2,3-Trichloropropane	12.88	75	2944	4.099	ug/l #	100
77) Bromobenzene	12.65	156	14951	10.103	ug/l #	1
78) n-propylbenzene	12.83	91	199987	29.927	ug/l	98
79) 2-Chlorotoluene	12.88	91	58207	15.230	ug/l #	49
80) 1,3,5-Trimethylbenzene	12.96	105	83063	17.277	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.64	75	69333	213.405	ug/l #	14
82) 4-Chlorotoluene	12.97	91	9383	2.326	ug/l #	60
83) tert-Butylbenzene	13.27	119	47445	11.221	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.27	105	336464	69.930	ug/l	98
85) sec-Butylbenzene	13.41	105	37840	6.629	ug/l #	75
86) p-Isopropyltoluene	13.52	119	24641	4.602	ug/l	89
89) n-Butylbenzene	13.85	91	283673	59.135	ug/l #	66
90) Hexachloroethane	14.13	117	138220	129.441	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.53	75	2805	16.649	ug/l #	2
95) Naphthalene	15.41	128	1751035	592.850	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

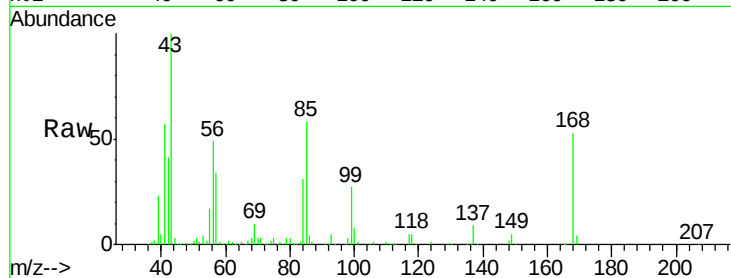
NB-30860

Tot Ion:168 Resp: 262413

Ion Ratio Lower Upper

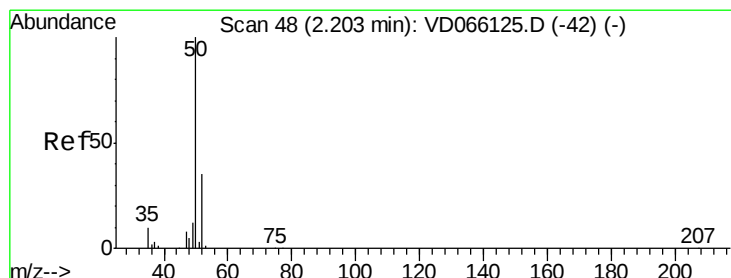
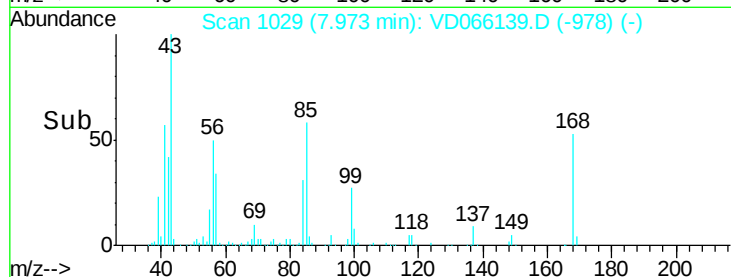
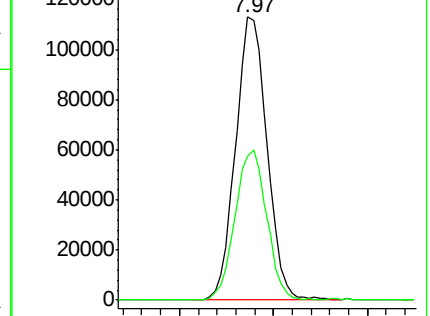
168 100

99 50.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 10.551 ug/l

RT: 2.31 min Scan# 67

Delta R.T. 0.11 min

Lab File: VD066139.D

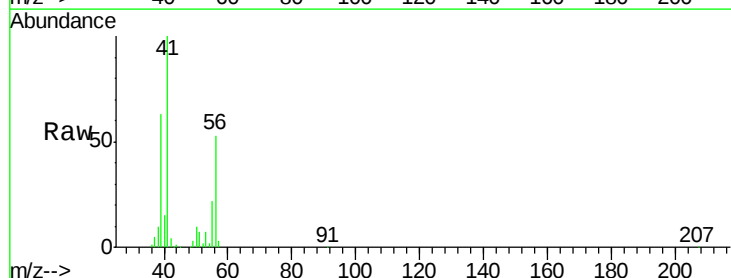
Acq: 06 Aug 2020 17:22

Tgt Ion: 50 Resp: 18975

Ion Ratio Lower Upper

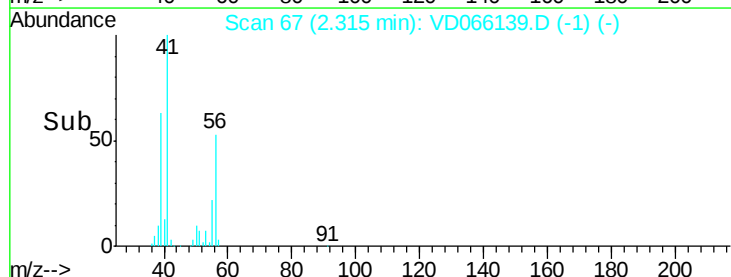
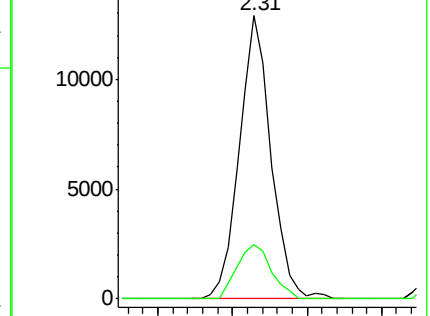
50 100

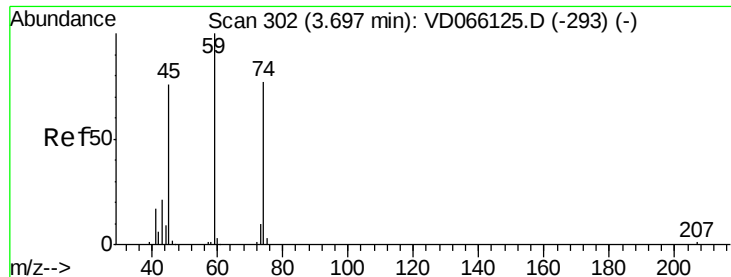
52 19.2 27.9 41.9#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 1.163 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

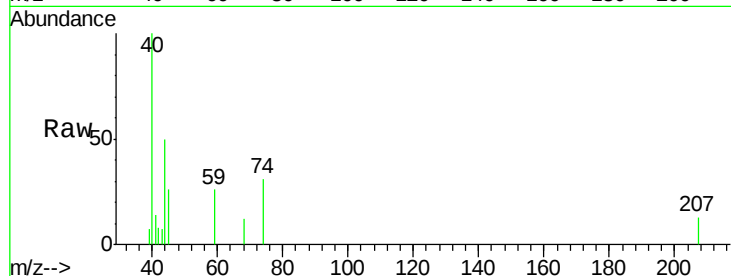
NB-30860

Tot Ion: 74 Resp: 1362

Ion Ratio Lower Upper

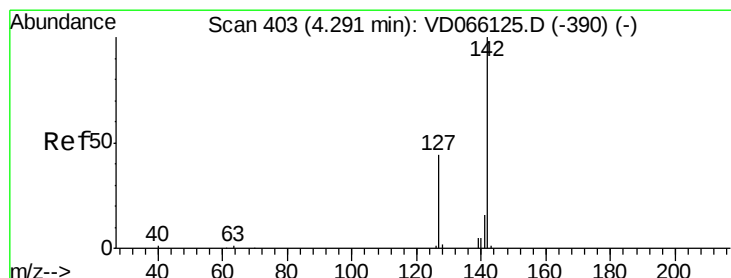
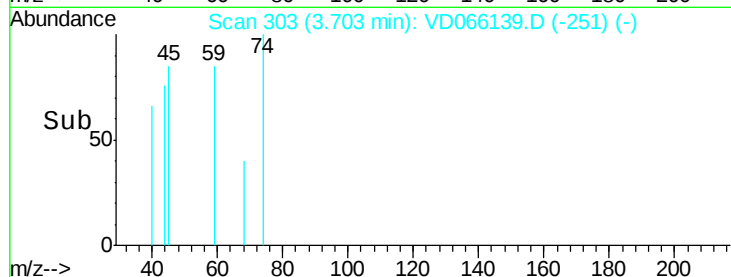
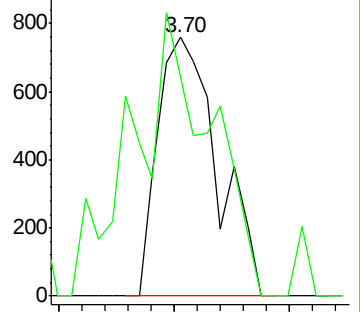
74 100

45 144.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#10

Methyl Iodide

Concen: 6.795 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

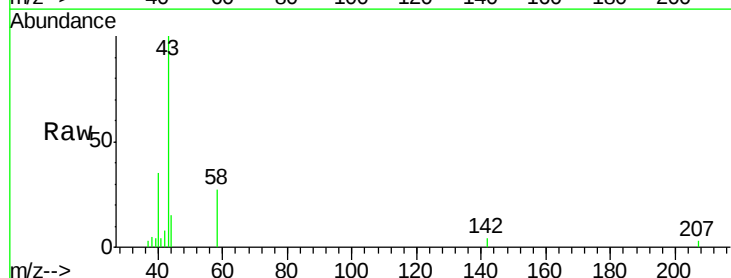
Tgt Ion: 142 Resp: 216

Ion Ratio Lower Upper

142 100

127 29.6 36.2 54.4#

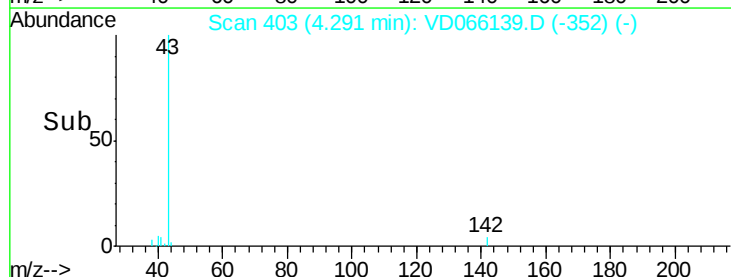
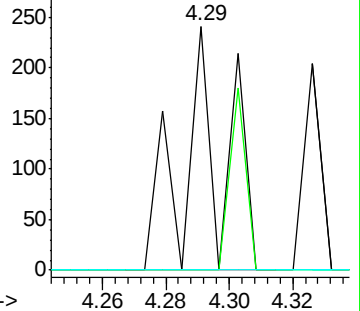
141 0.0 12.6 18.8#

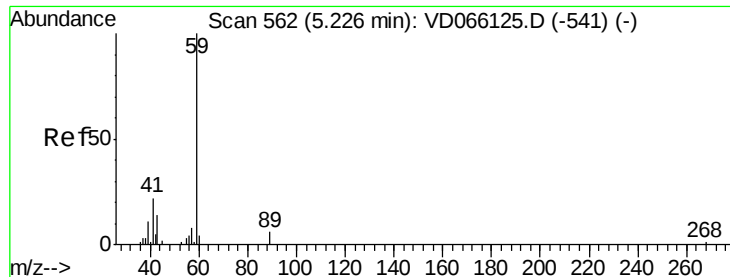


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



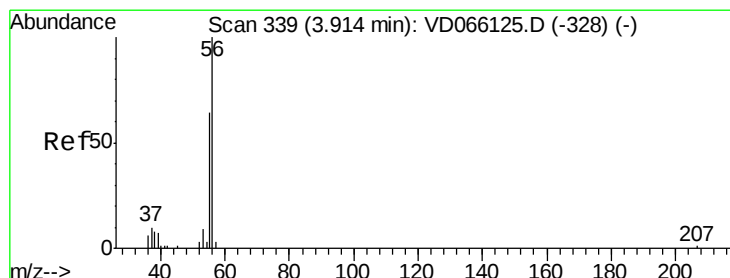
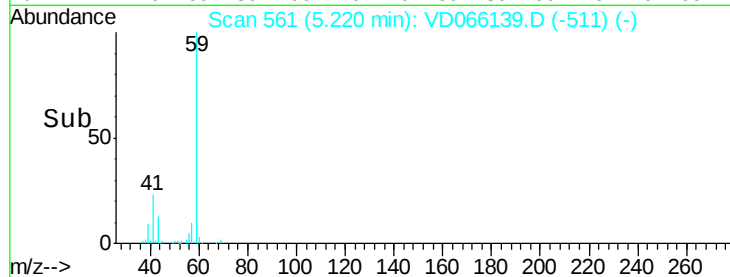
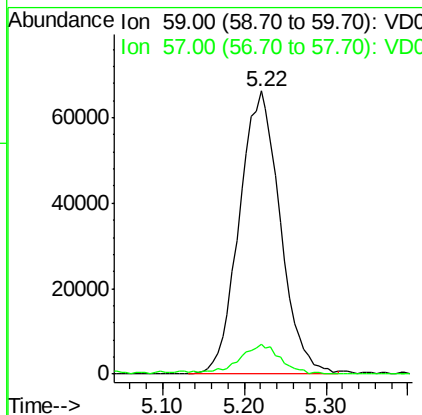
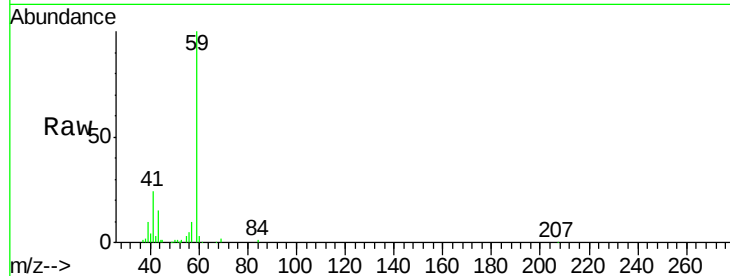


#11

Tert butyl alcohol
 Concen: 1505.730 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-30860

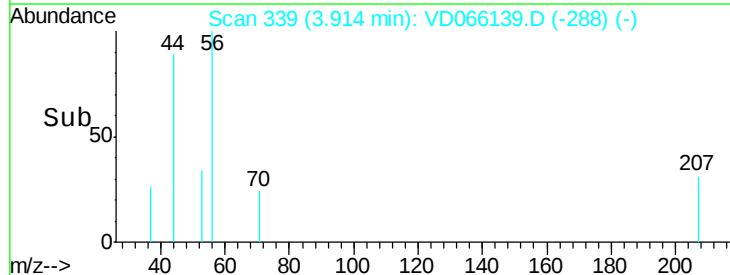
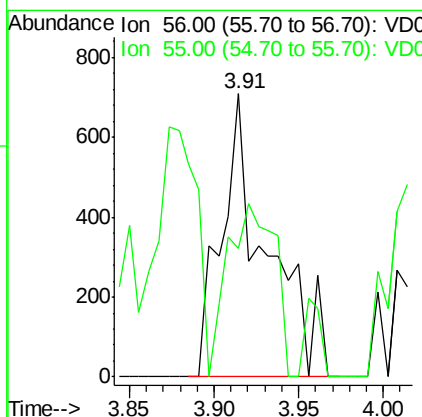
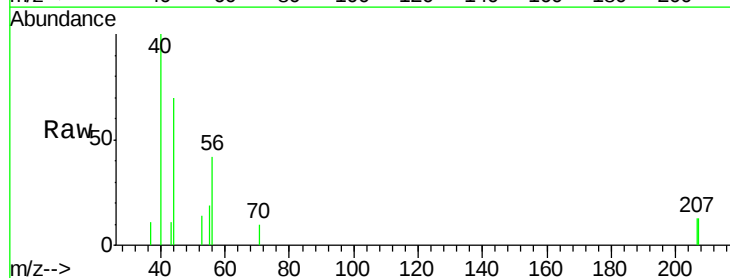
Tot Ion: 59 Resp: 229868
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.0 10.4

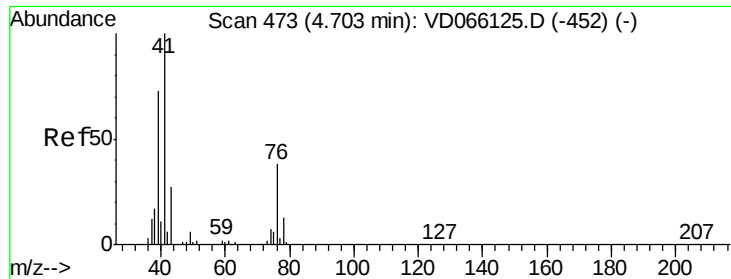


#13

Acrolein
 Concen: 7.089 ug/l
 RT: 3.91 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

Tgt Ion: 56 Resp: 1321
 Ion Ratio Lower Upper
 56 100
 55 63.8 56.7 85.1

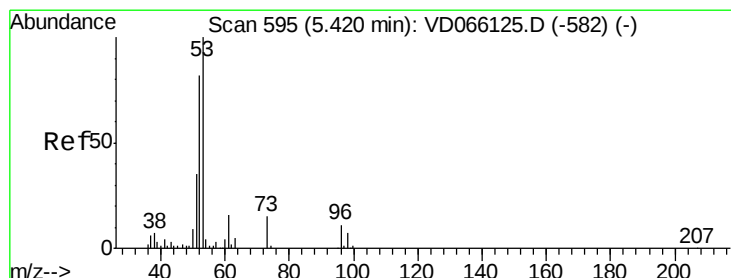
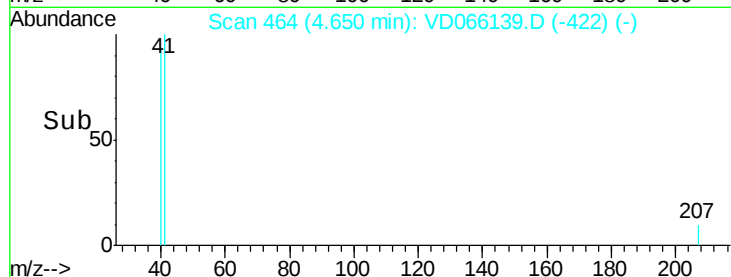
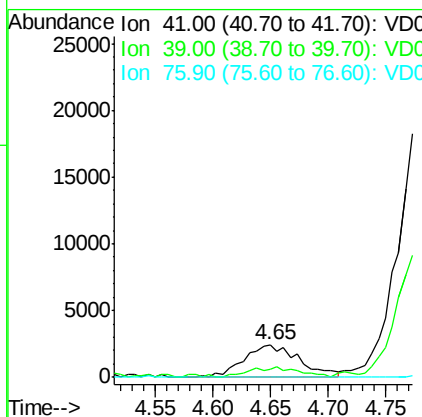
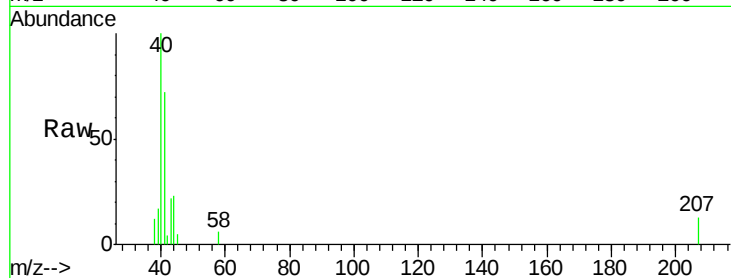




#14
Allvl chloride
Concen: 2.334 ug/l
RT: 4.65 min Scan# 464
Delta R.T. -0.05 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

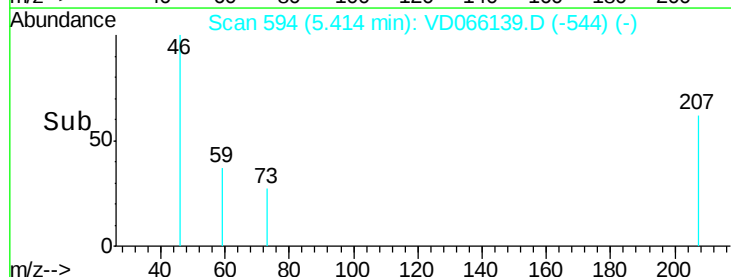
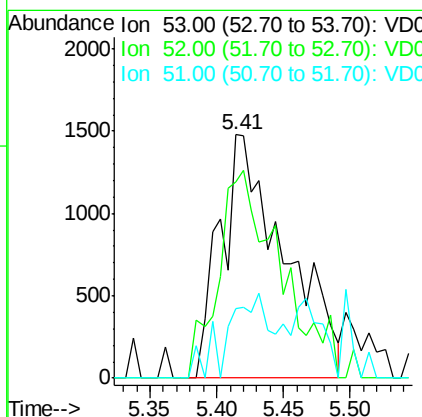
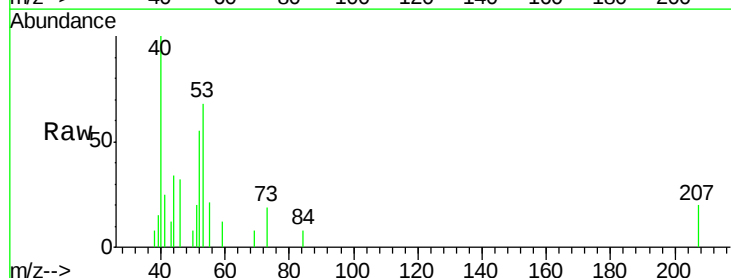
Instrument :
MSVOA_D
ClientSampleId :
NB-30860

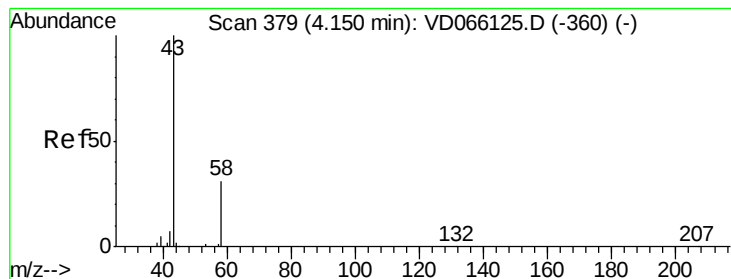
Tot Ion: 41 Resp: 8219
Ion Ratio Lower Upper
41 100
39 0.0 57.4 86.0#
76 0.0 30.1 45.1#



#15
Acrylonitrile
Concen: 10.136 ug/l
RT: 5.41 min Scan# 594
Delta R.T. -0.01 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion: 53 Resp: 5003
Ion Ratio Lower Upper
53 100
52 75.0 66.1 99.1
51 22.4 30.8 46.2#





#16

Acetone

Concen: 12450.931 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

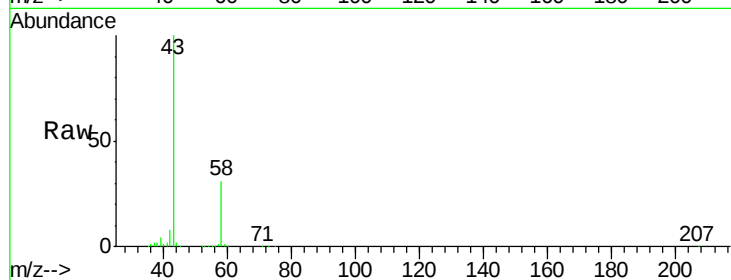
NB-30860

Tot Ion: 43 Resp: 5530837

Ion Ratio Lower Upper

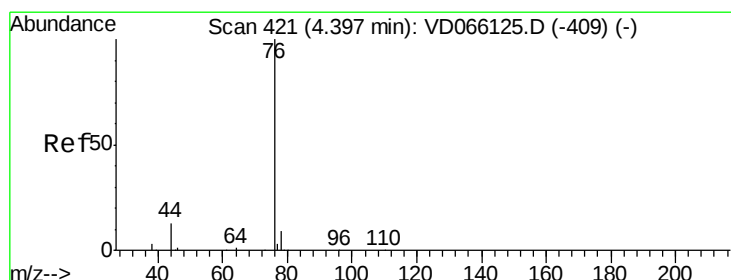
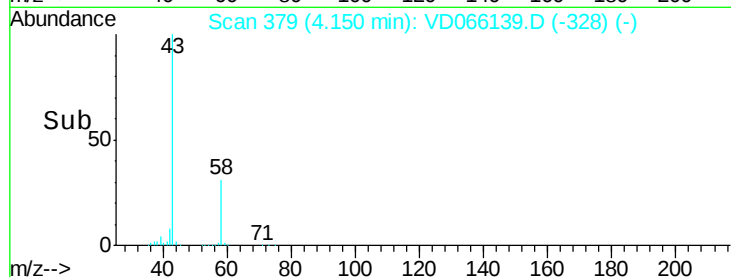
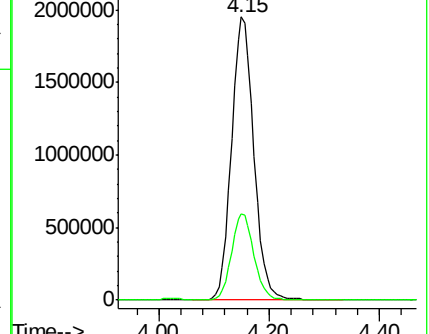
43 100

58 30.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 9.179 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066139.D

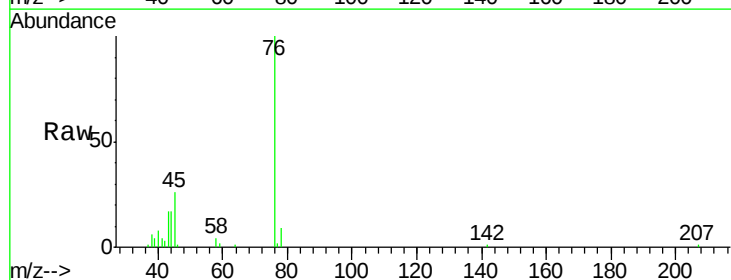
Acq: 06 Aug 2020 17:22

Tgt Ion: 76 Resp: 67827

Ion Ratio Lower Upper

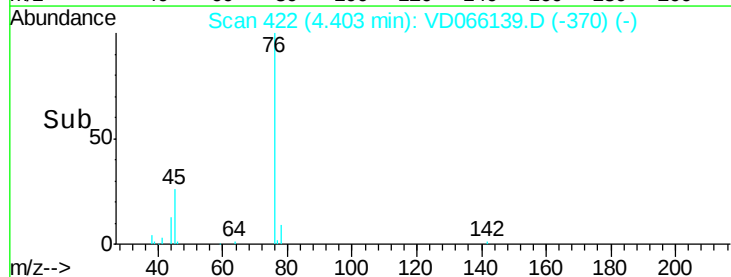
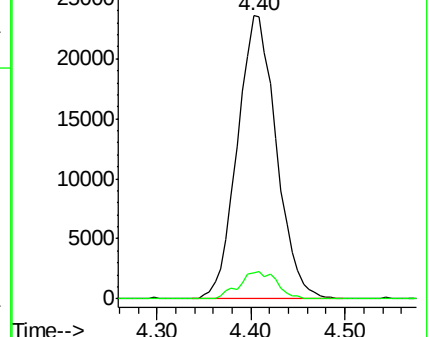
76 100

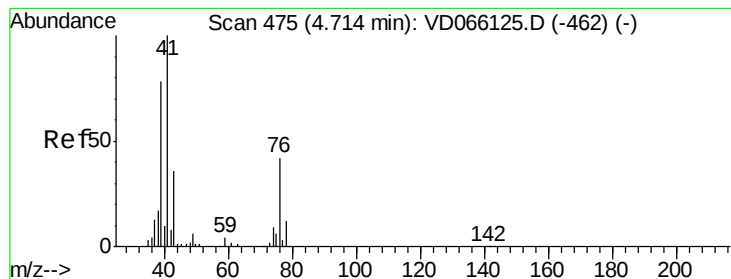
78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#18

Methyl Acetate

Concen: 94.151 ug/l

RT: 4.79 min Scan# 488

Delta R.T. 0.08 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

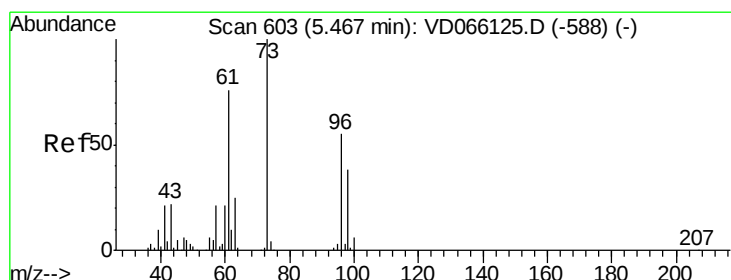
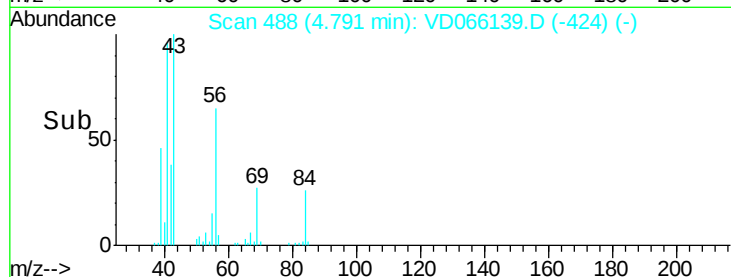
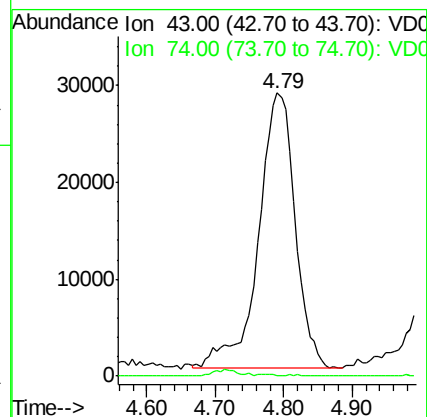
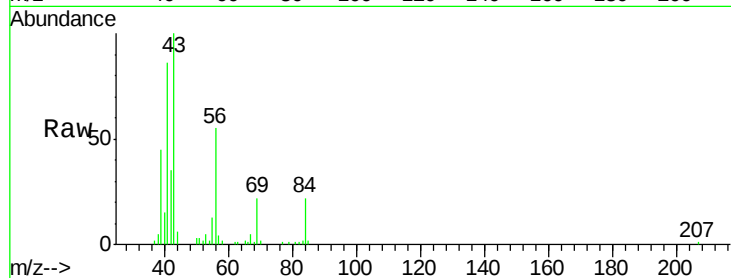
NB-30860

Tot Ion: 43 Resp: 106231

Ion Ratio Lower Upper

43 100

74 0.1 21.2 31.8#



#19

Methyl tert-butyl Ether

Concen: 6.225 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066139.D

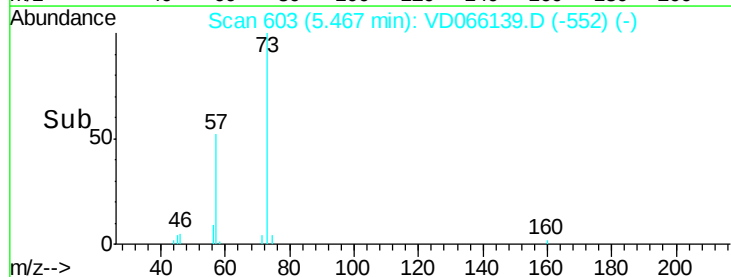
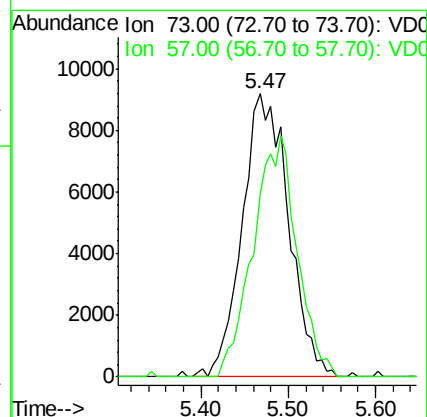
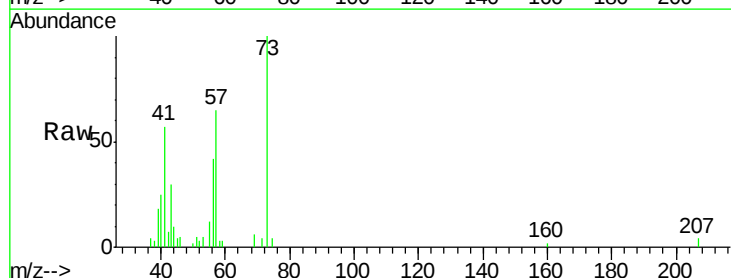
Acq: 06 Aug 2020 17:22

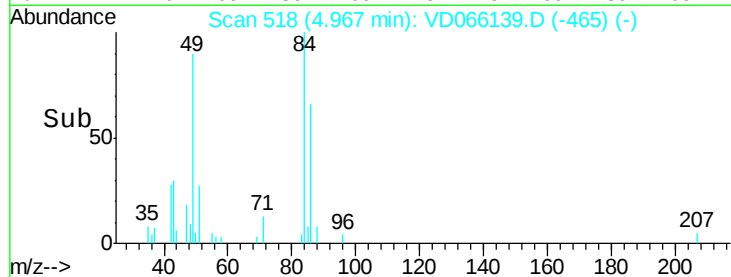
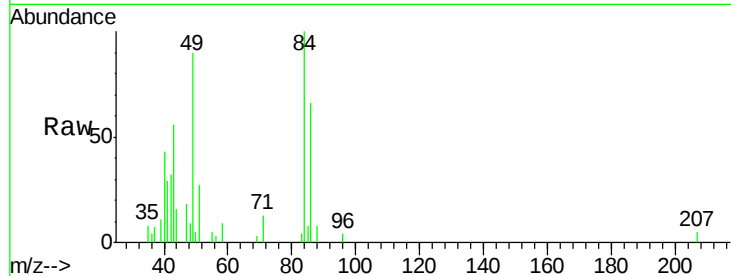
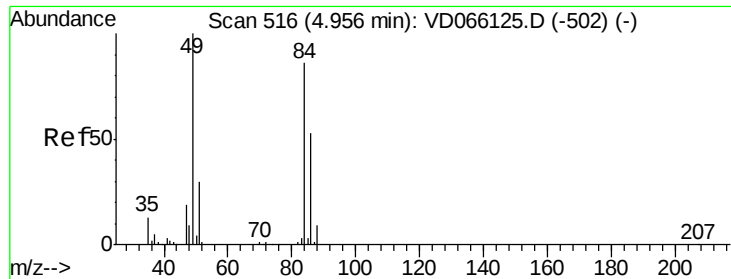
Tgt Ion: 73 Resp: 33158

Ion Ratio Lower Upper

73 100

57 64.9 17.1 25.7#

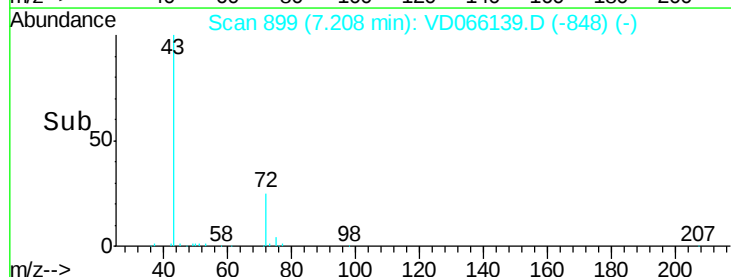
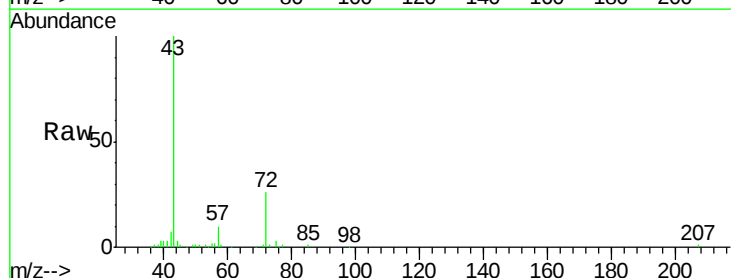
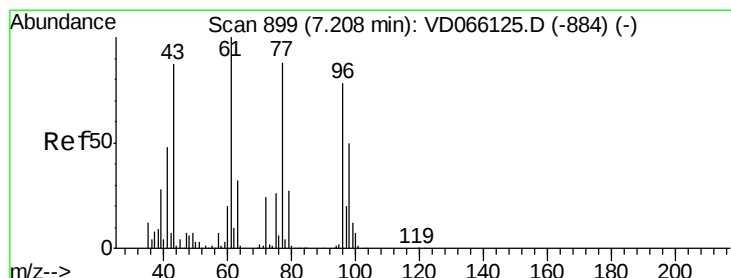
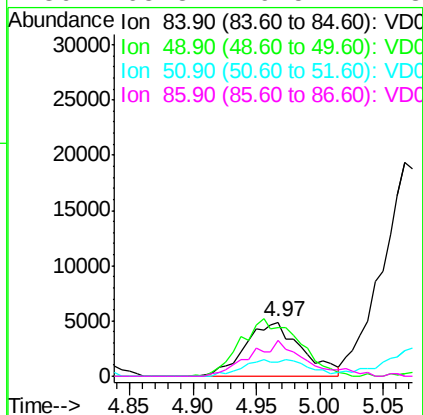




#20
Methvlene Chloride
Concen: 1.390 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

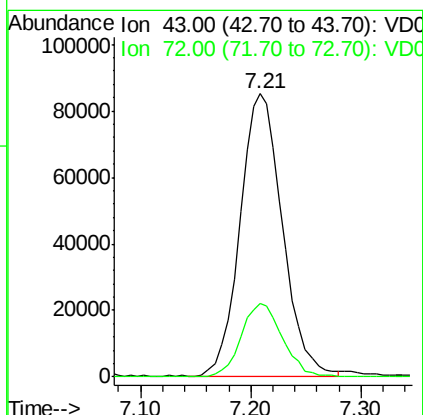
Instrument :
MSVOA_D
ClientSampleId :
NB-30860

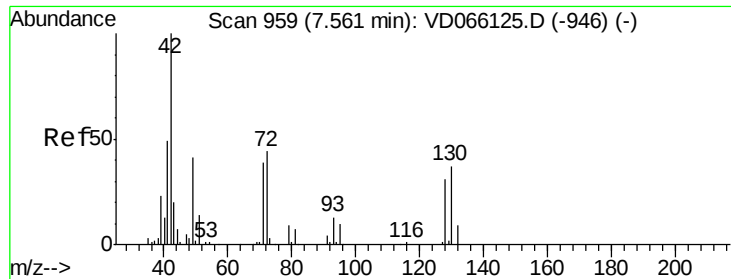
Tot Ion: 84 Resp: 15116
Ion Ratio Lower Upper
84 100
49 89.8 93.5 140.3#
51 26.9 28.2 42.4#
86 65.8 49.5 74.3



#25
2-Butanone
Concen: 347.784 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion: 43 Resp: 227225
Ion Ratio Lower Upper
43 100
72 26.0 22.2 33.2

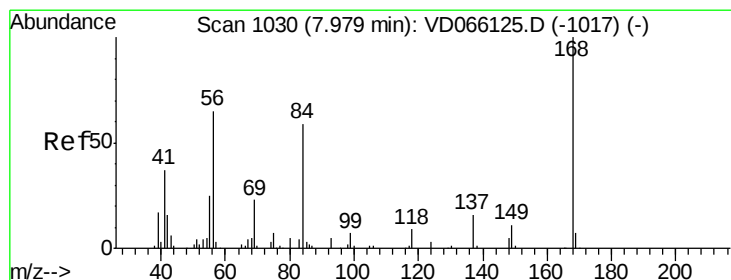
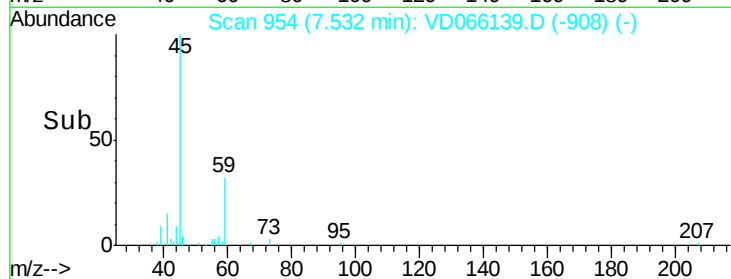
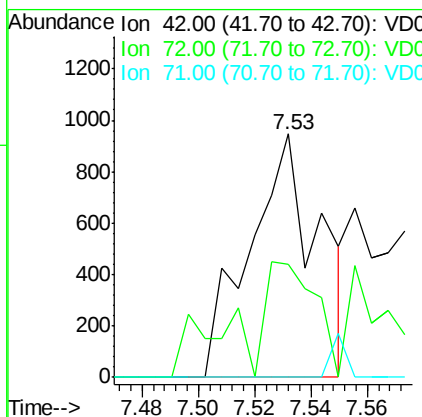
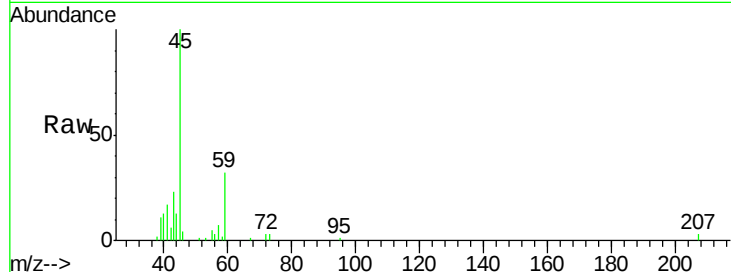




#29
Tetrahydrofuran
Concen: 3.970 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

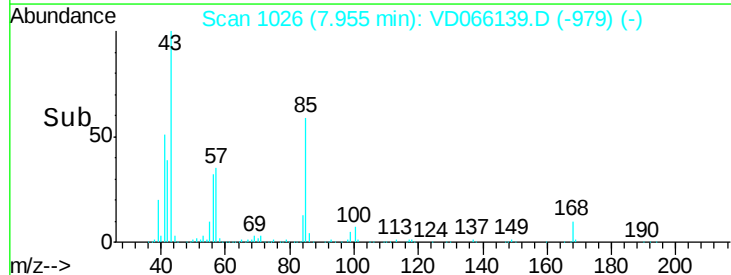
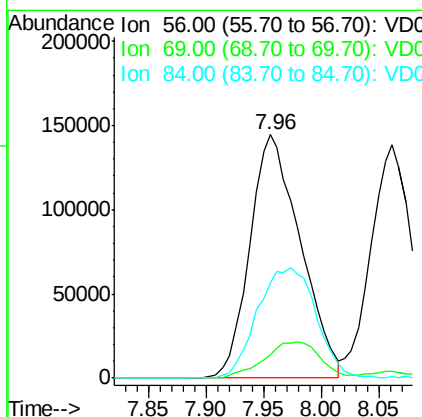
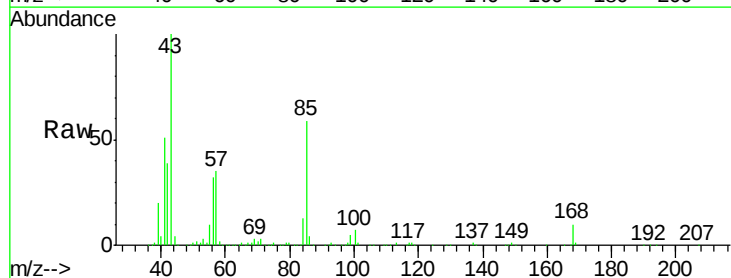
Instrument :
MSVOA_D
ClientSampleId :
NB-30860

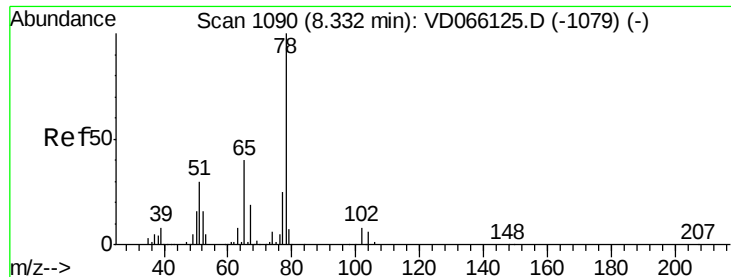
Tot Ion: 42 Resp: 1607
Ion Ratio Lower Upper
42 100
72 39.9 34.8 52.2
71 0.0 33.5 50.3#



#31
Cyclohexane
Concen: 107.301 ug/l
RT: 7.96 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion: 56 Resp: 440096
Ion Ratio Lower Upper
56 100
69 9.7 28.8 43.2#
84 39.3 73.0 109.6#

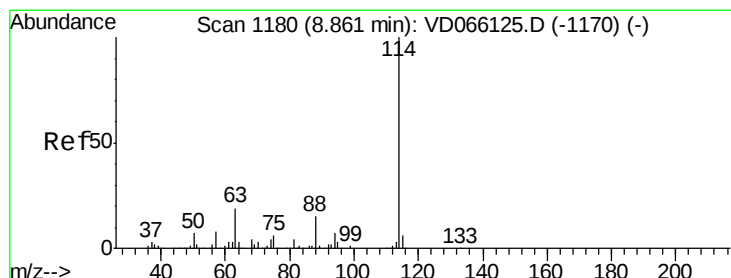
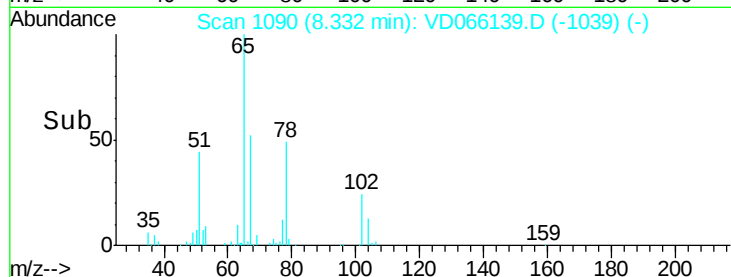
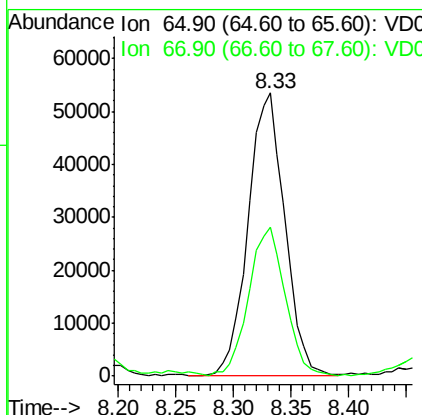
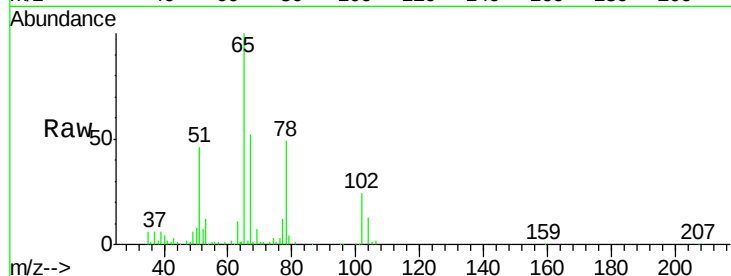




#33
 1,2-Dichloroethane-d4
 Concen: 50.801 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

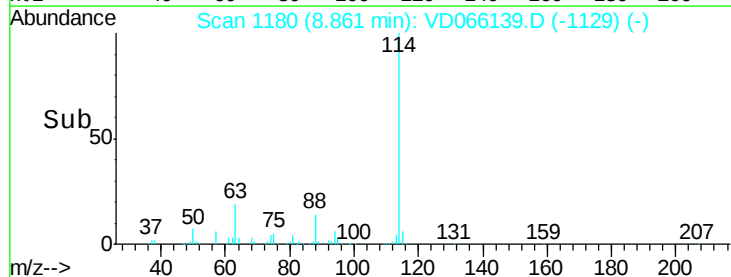
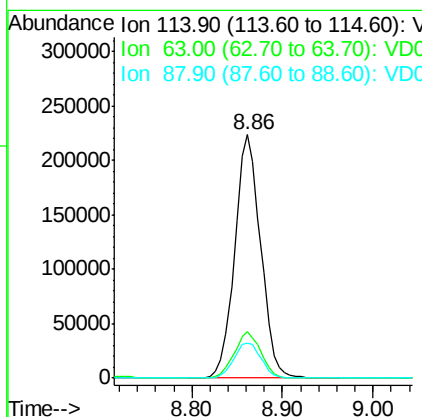
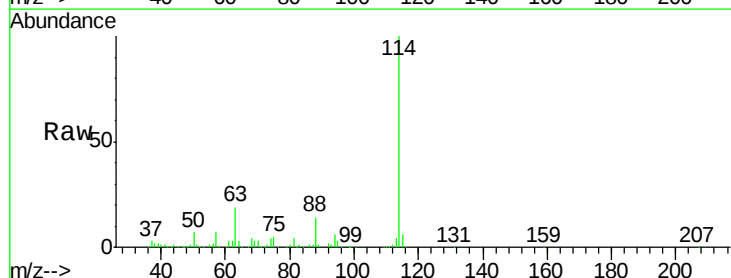
Instrument :
 MSVOA_D
 ClientSampleId :
 NB-30860

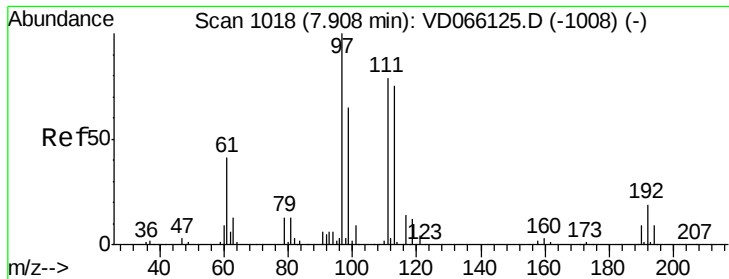
Tot Ion: 65 Resp: 118931
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

Tgt Ion: 114 Resp: 444412
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 14.4 0.0 30.0

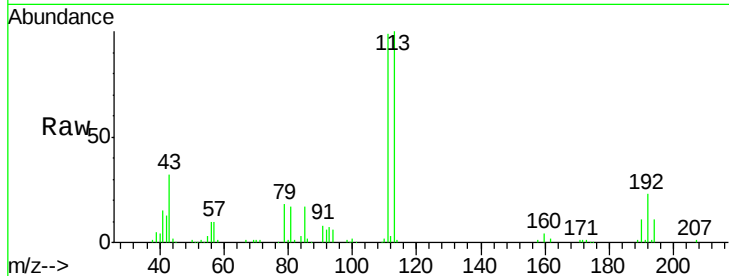




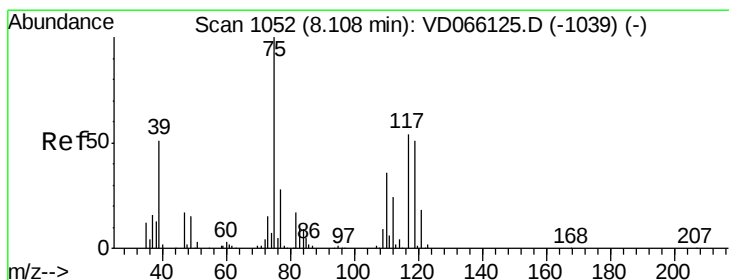
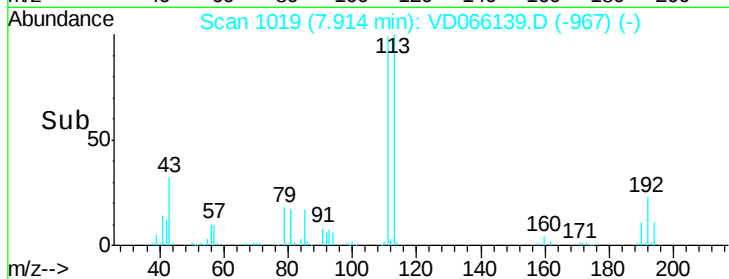
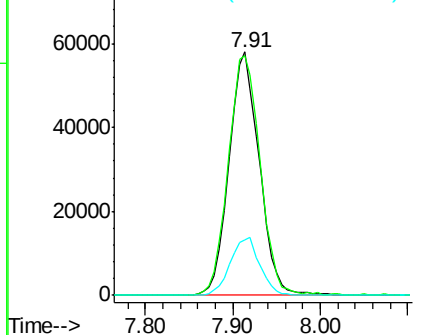
#35
 Dibromofluoromethane
 Concen: 48.334 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-30860

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.7	121.1
192	23.2	18.4	27.6

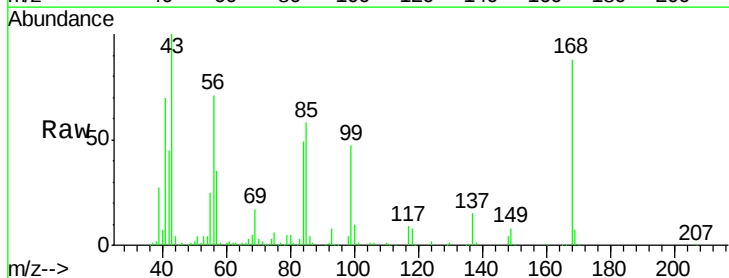


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

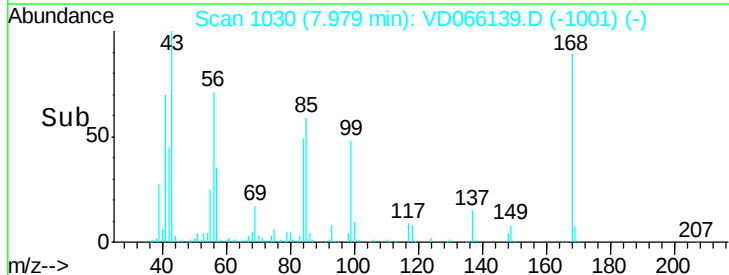
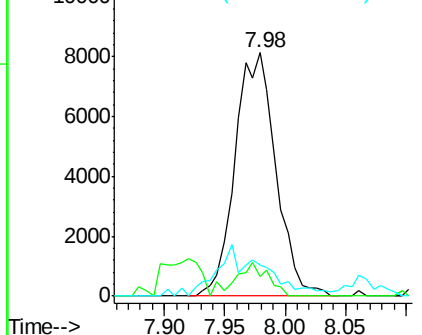


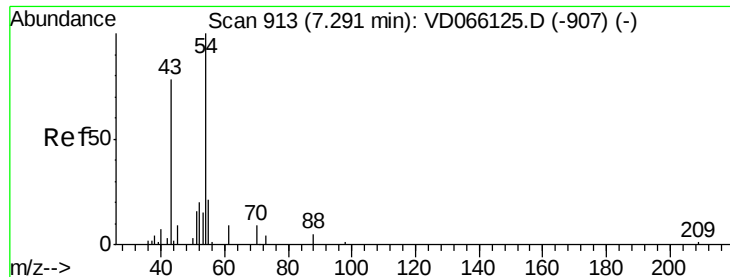
#36
 1,1-Dichloropropene
 Concen: 4.591 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.8	56.3#
77	0.0	24.2	36.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

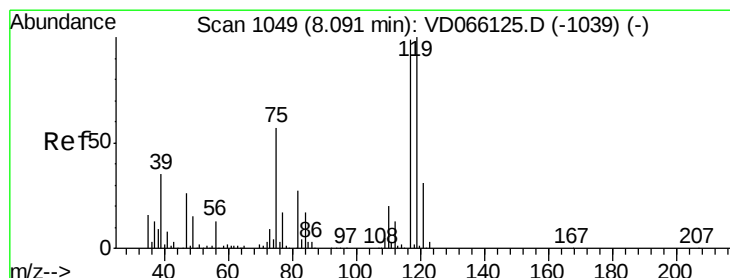
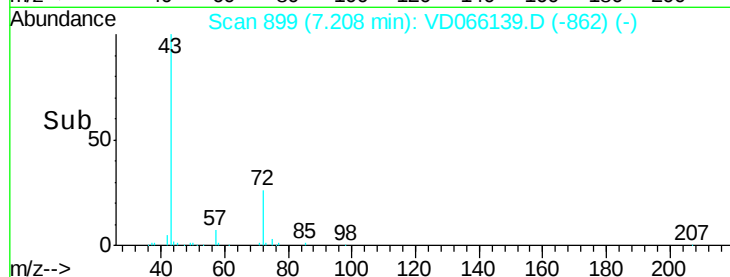
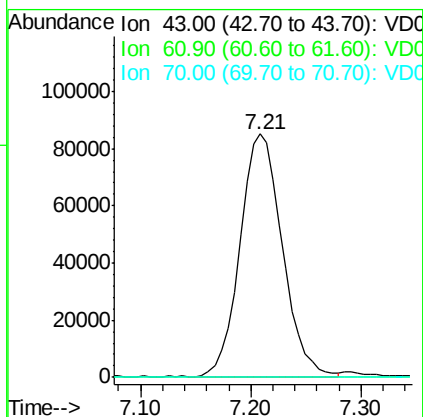
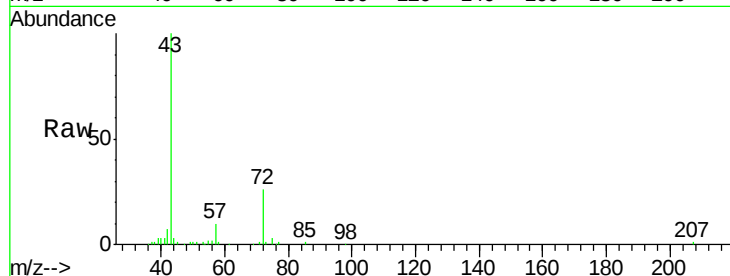




#37
Ethyl Acetate
Concen: 137.326 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.08 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

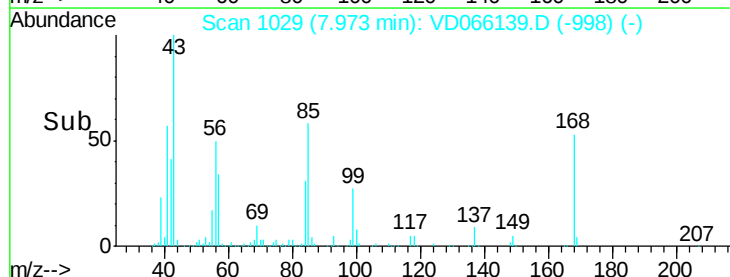
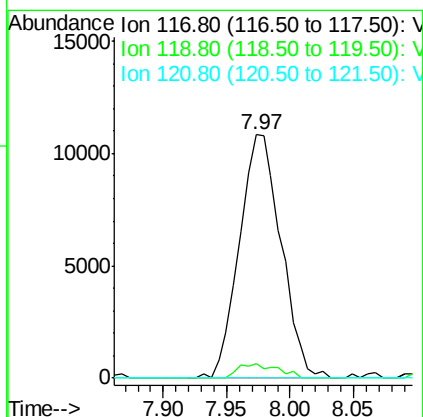
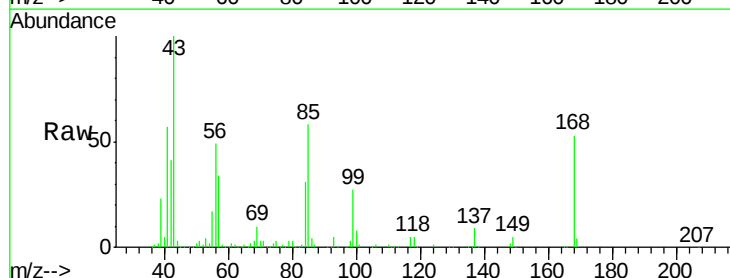
Instrument :
MSVOA_D
ClientSampled :
NB-30860

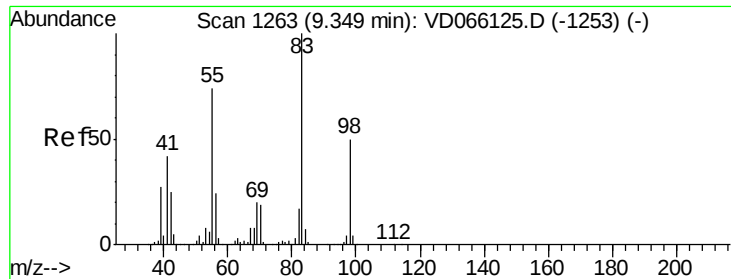
Tot Ion: 43 Resp: 227225
Ion Ratio Lower Upper
43 100
61 0.2 12.0 18.0#
70 0.0 9.7 14.5#



#38
Carbon Tetrachloride
Concen: 5.298 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion: 117 Resp: 24672
Ion Ratio Lower Upper
117 100
119 5.8 81.0 121.4#
121 0.0 24.8 37.2#

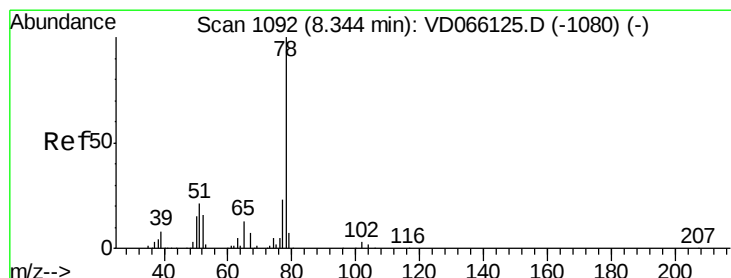
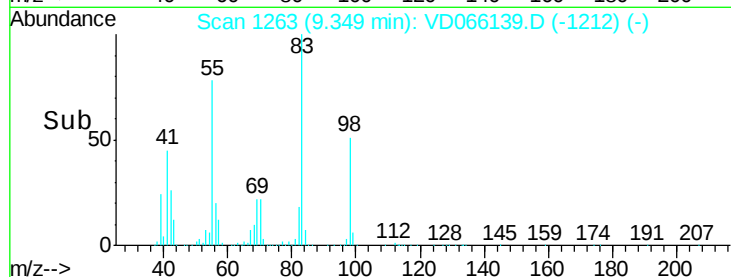
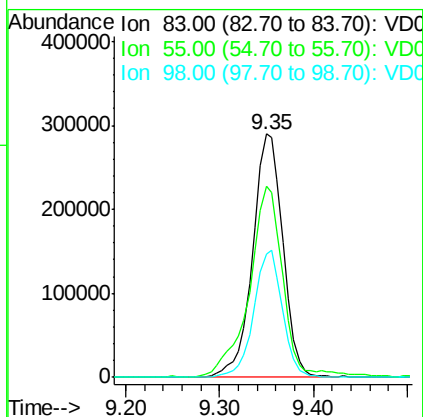
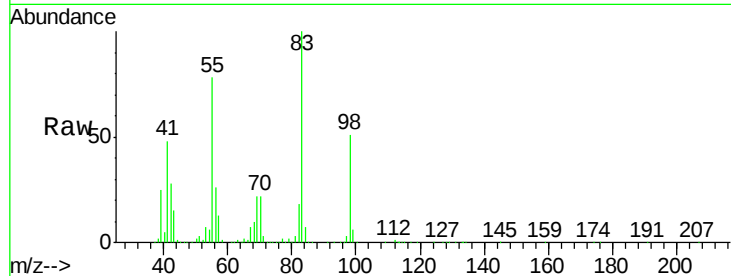




#39
Methvlcvclohexane
Concen: 128.047 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

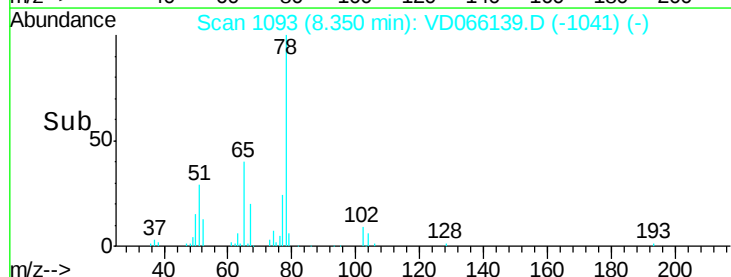
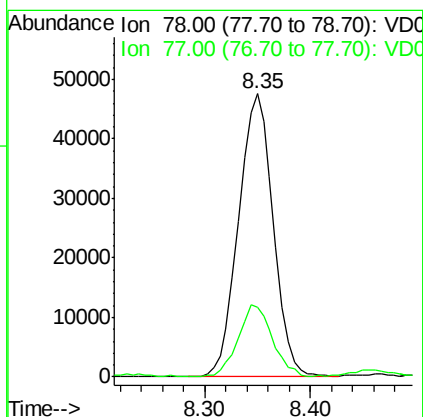
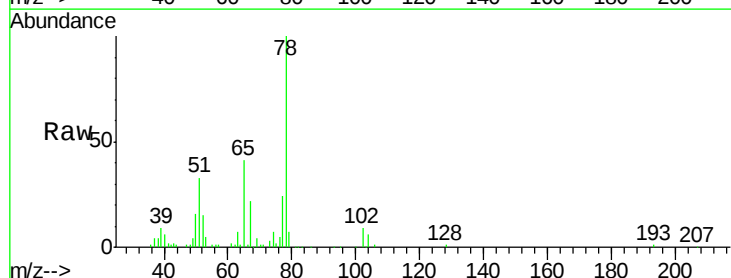
Instrument :
MSVOA_D
ClientSampleId :
NB-30860

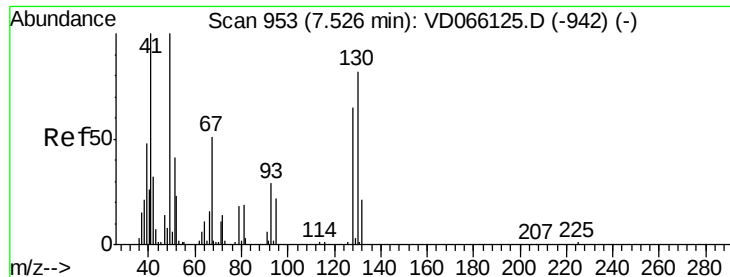
Tot Ion: 83 Resp: 646418
Ion Ratio Lower Upper
83 100
55 78.3 59.2 88.8
98 50.8 39.8 59.6



#40
Benzene
Concen: 9.340 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion: 78 Resp: 108200
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8





#41

Methacrylonitrile

Concen: 9.427 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

Tot Ion: 41 Resp: 9171

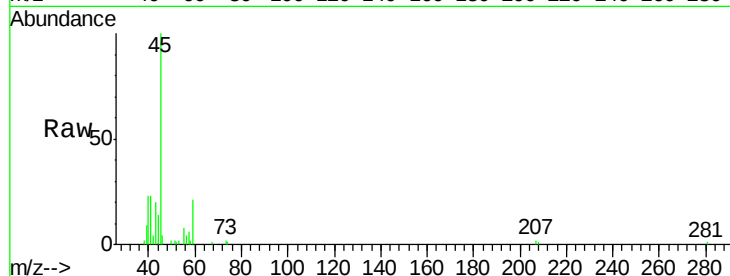
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.6 59.1 88.7#

52 0.7 25.4 38.0#

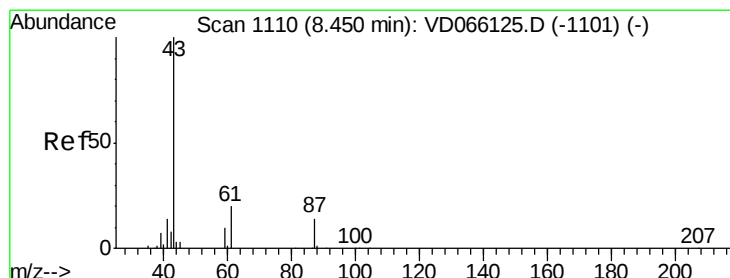
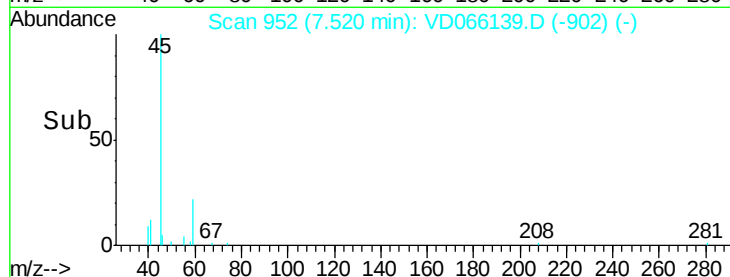
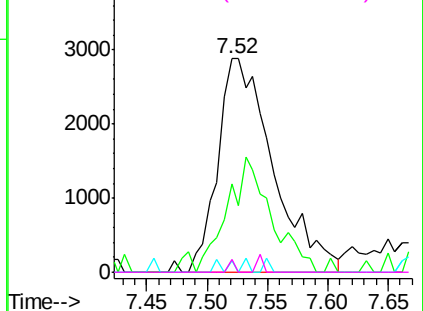


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 52.739 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

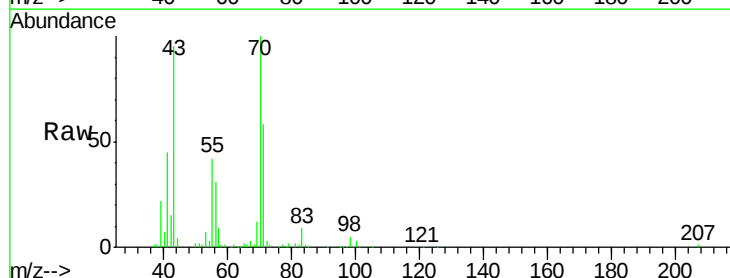
Tgt Ion: 43 Resp: 171936

Ion Ratio Lower Upper

43 100

61 0.3 25.5 38.3#

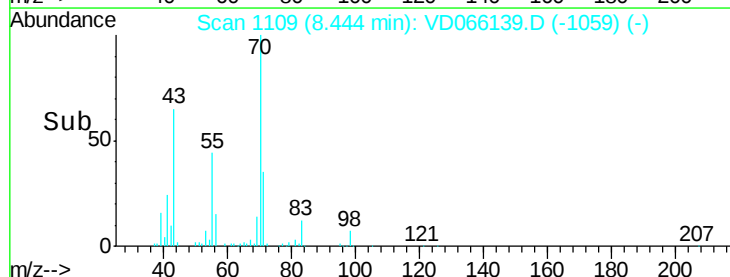
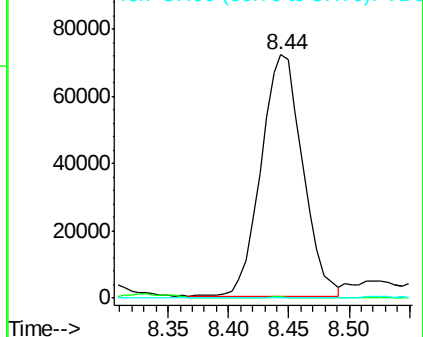
87 0.0 11.2 16.8#

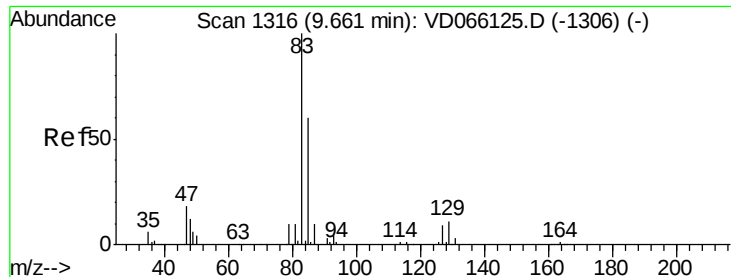


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC





#47

Bromodichloromethane

Concen: 2.706 ug/l

RT: 9.53 min Scan# 1294

Delta R.T. -0.13 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

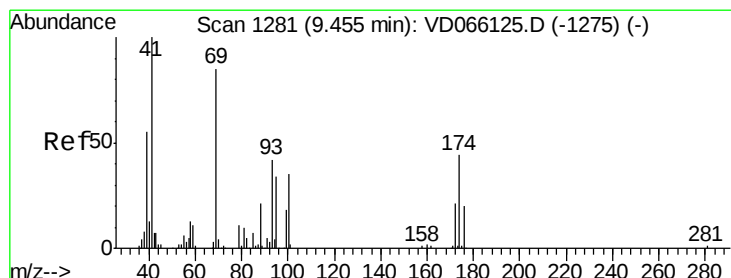
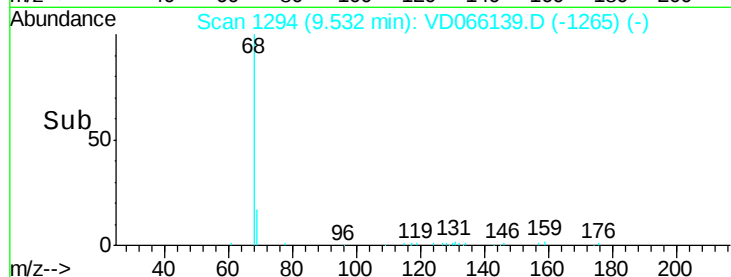
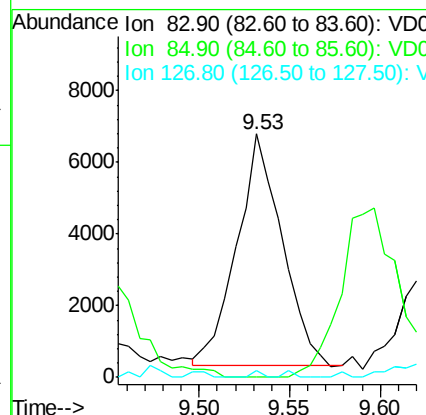
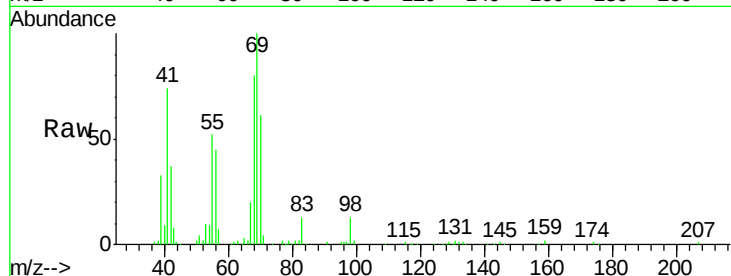
Tot Ion: 83 Resp: 11160

Ion Ratio Lower Upper

83 100

85 0.0 48.2 72.4#

127 0.4 7.3 10.9#



#48

Methyl methacrylate

Concen: 32.995 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

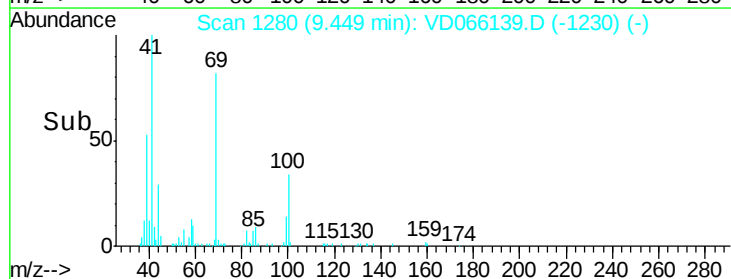
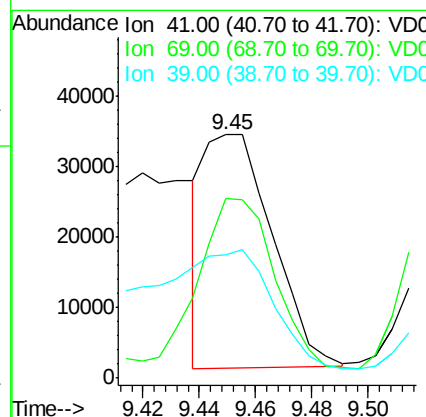
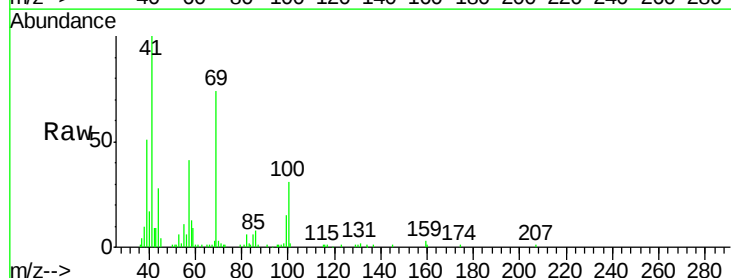
Tgt Ion: 41 Resp: 54926

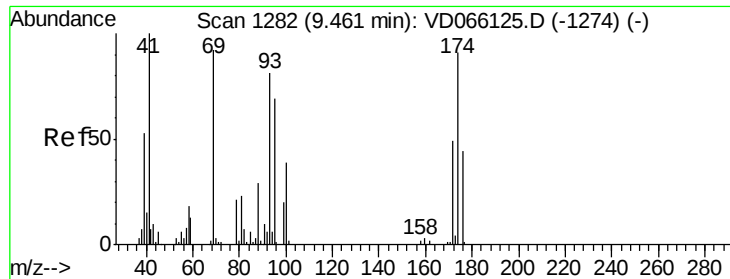
Ion Ratio Lower Upper

41 100

69 91.3 63.9 95.9

39 108.5 42.6 64.0#





#49

1,4-Dioxane

Concen: 4.638 ug/l

RT: 9.30 min Scan# 1255

Delta R.T. -0.16 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

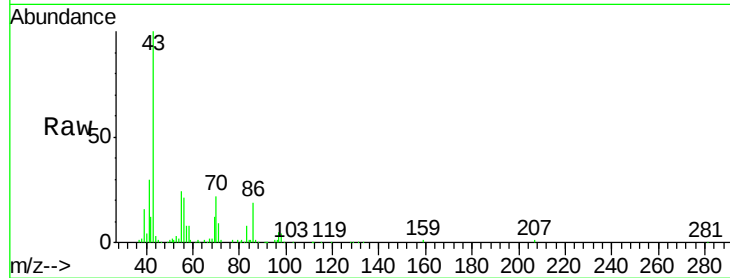
Tot Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 204205.4 27.5 41.3#

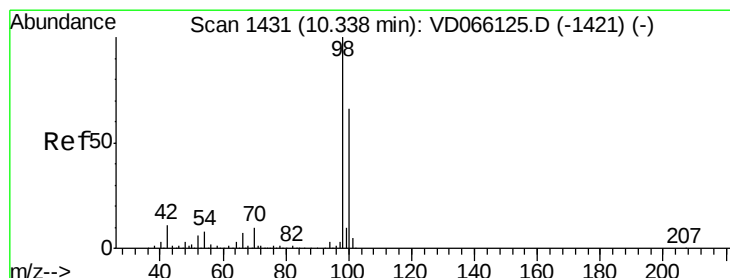
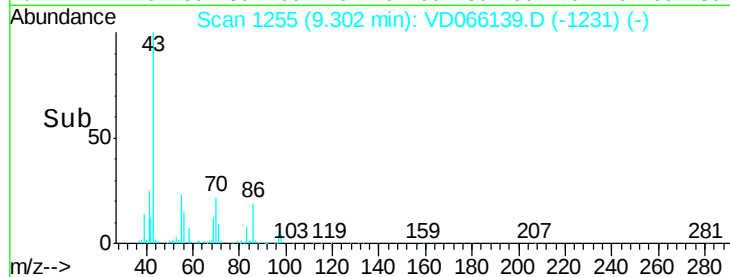
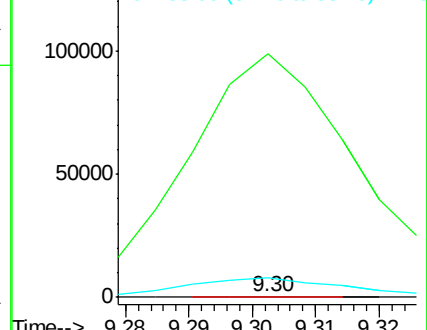
58 15965.6 50.2 75.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.644 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066139.D

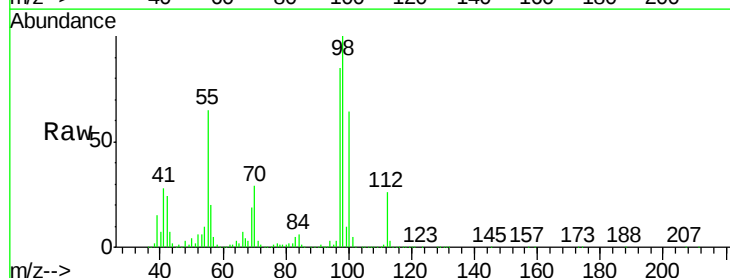
Acq: 06 Aug 2020 17:22

Tgt Ion: 98 Resp: 526148

Ion Ratio Lower Upper

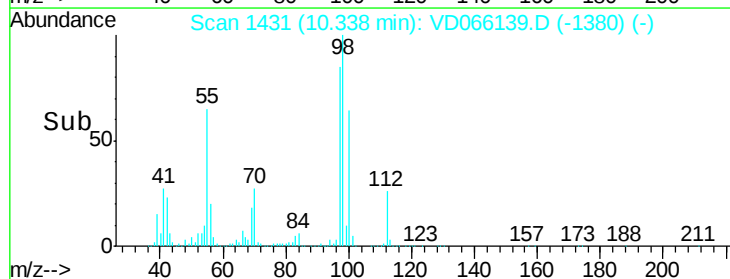
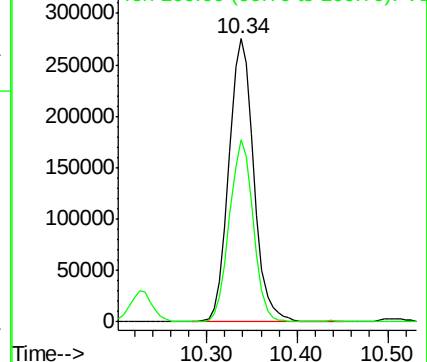
98 100

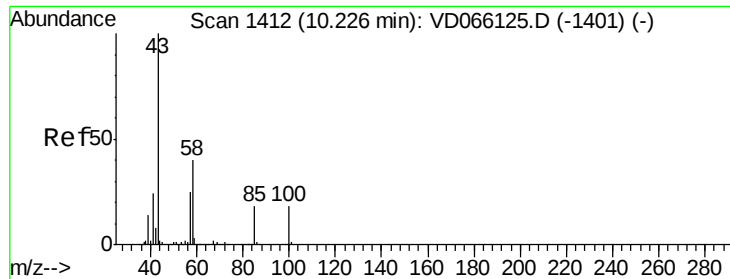
100 61.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

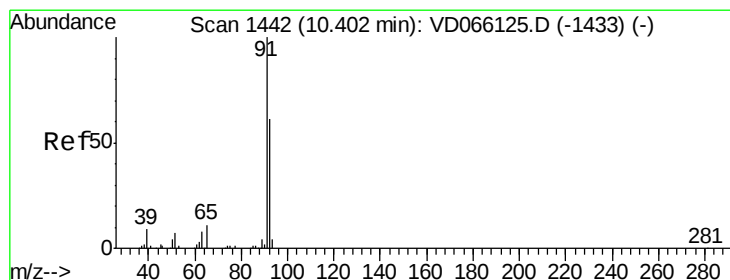
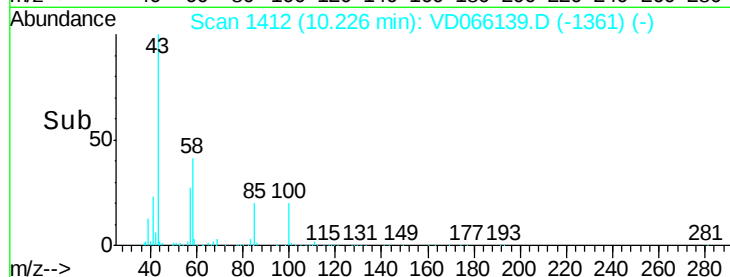
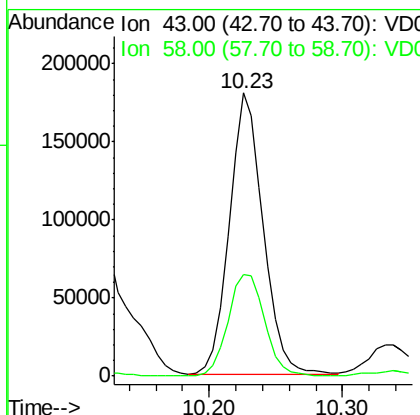
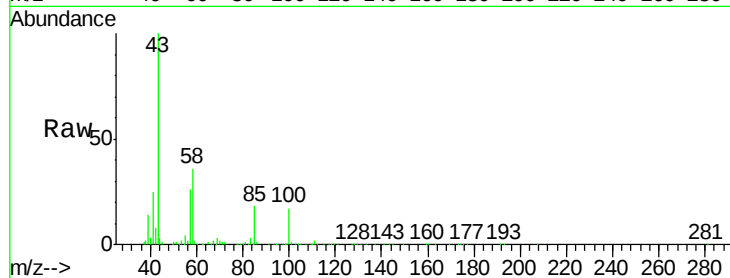




#51
4-Methyl-2-Pentanone
Concen: 188.657 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

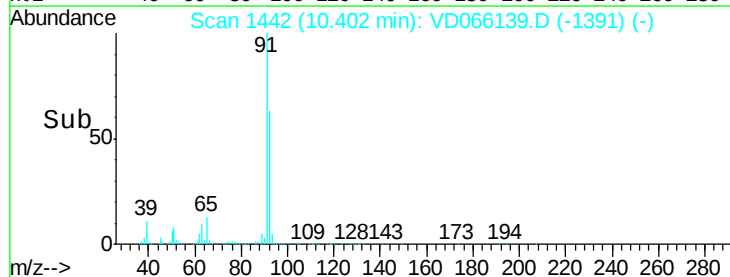
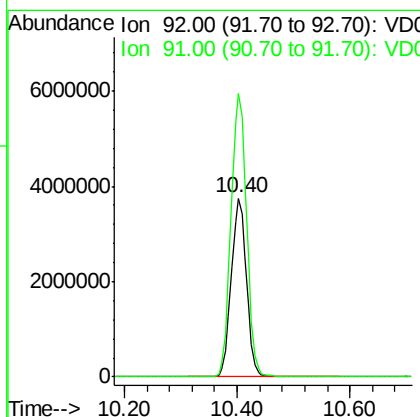
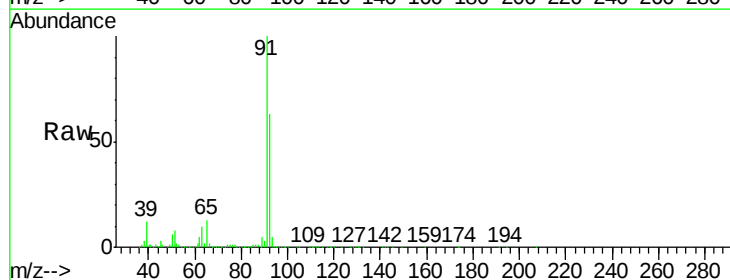
Instrument :
MSVOA_D
ClientSampleId :
NB-30860

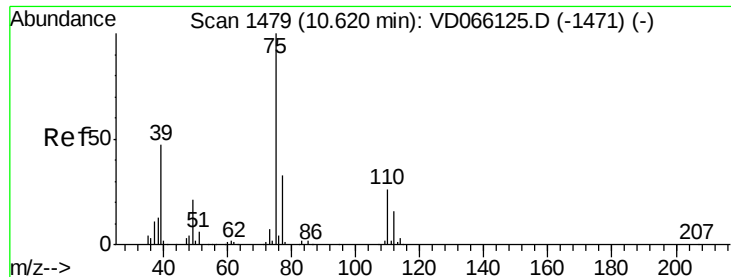
Tot Ion: 43 Resp: 315923
Ion Ratio Lower Upper
43 100
58 39.7 31.1 46.7



#52
Toluene
Concen: 928.475 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion: 92 Resp: 7077841
Ion Ratio Lower Upper
92 100
91 163.4 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 22.839 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.22 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

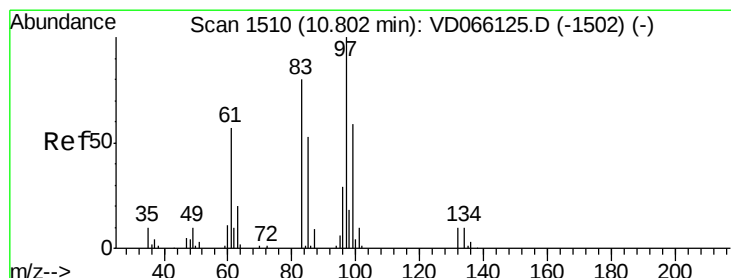
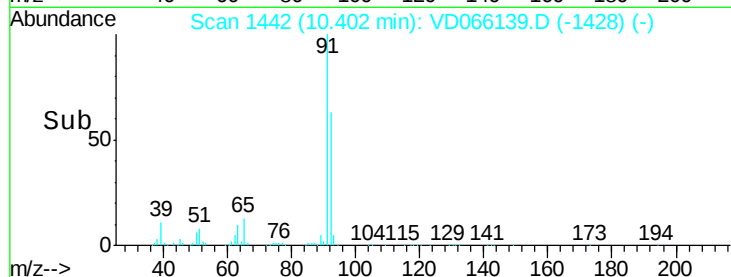
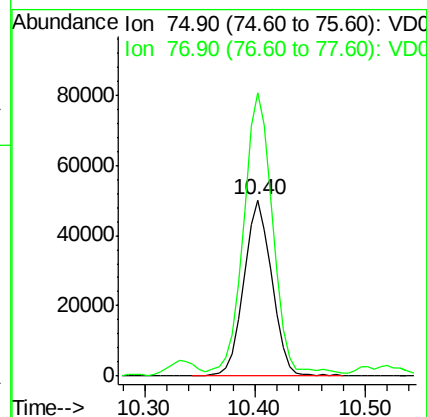
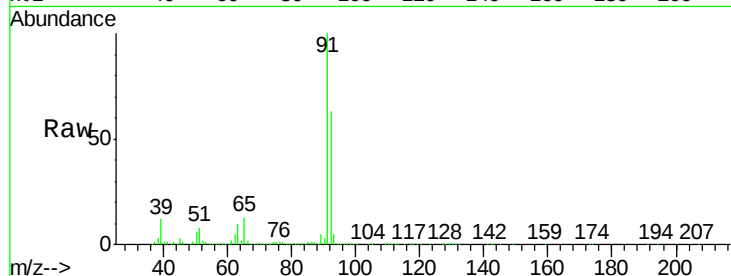
NB-30860

Tot Ion: 75 Resp: 89403

Ion Ratio Lower Upper

75 100

77 158.9 26.2 39.2#



#55

1,1,2-Trichloroethane

Concen: 111.968 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Tgt Ion: 97 Resp: 251627

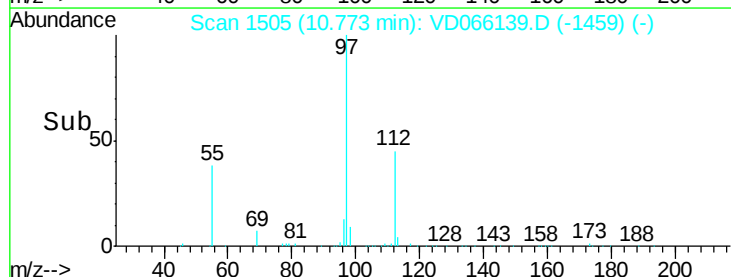
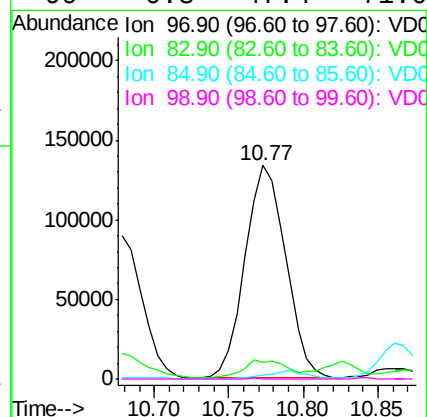
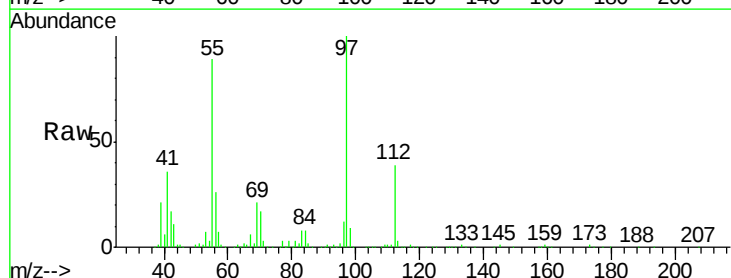
Ion Ratio Lower Upper

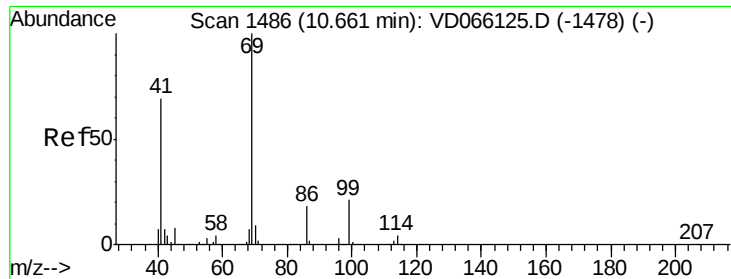
97 100

83 6.9 63.9 95.9#

85 1.8 42.5 63.7#

99 0.3 47.4 71.0#





#56

Ethyl methacrylate

Concen: 20.055 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.02 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

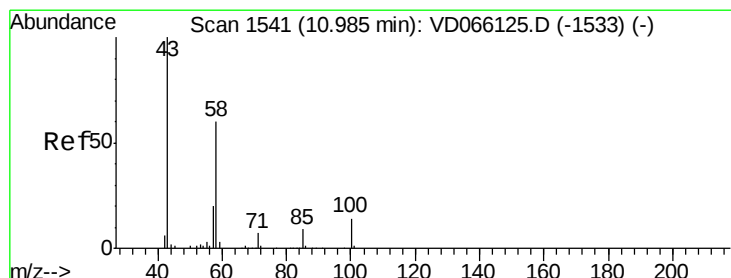
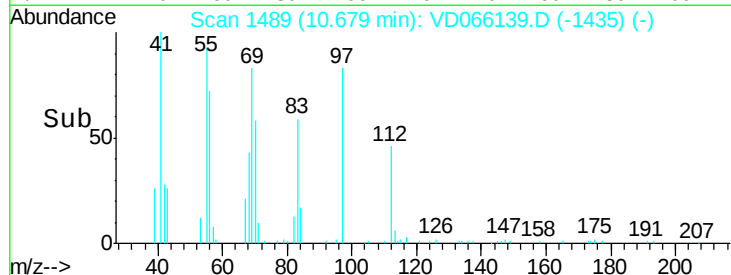
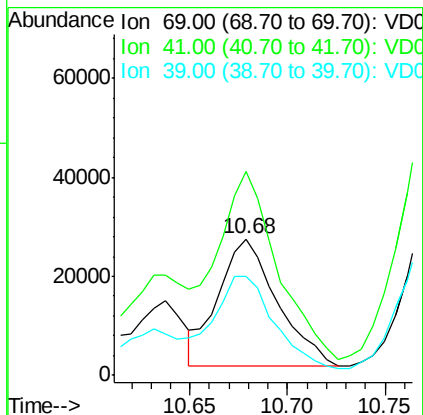
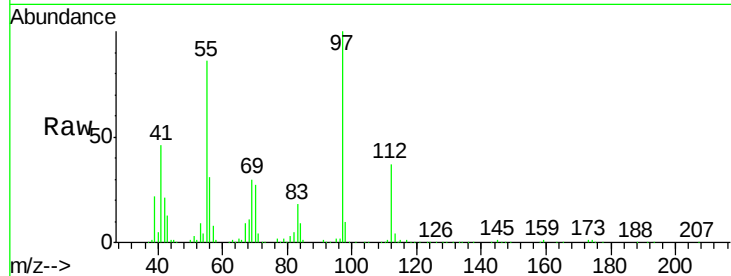
Tot Ion: 69 Resp: 54142

Ion Ratio Lower Upper

69 100

41 149.6 54.1 81.1#

39 72.9 28.6 43.0#



#59

2-Hexanone

Concen: 207.454 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.04 min

Lab File: VD066139.D

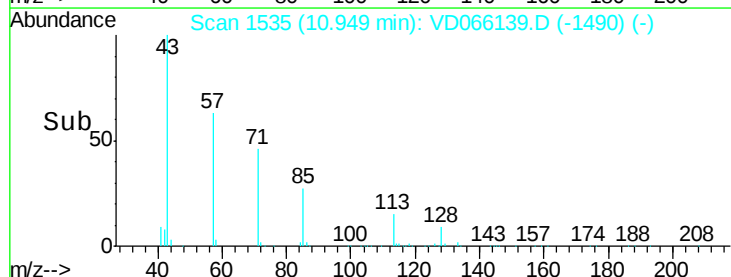
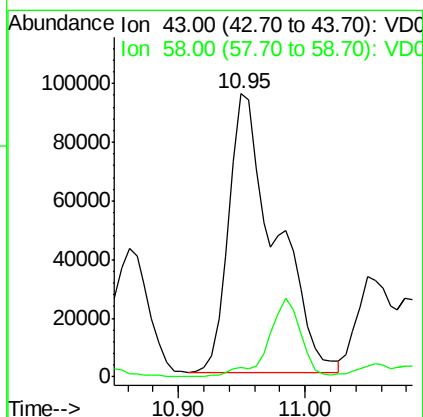
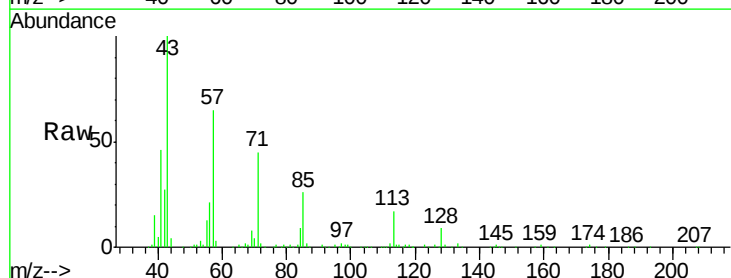
Acq: 06 Aug 2020 17:22

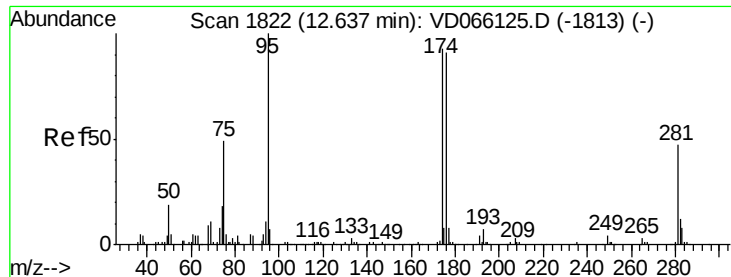
Tgt Ion: 43 Resp: 243812

Ion Ratio Lower Upper

43 100

58 0.0 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 37.417 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

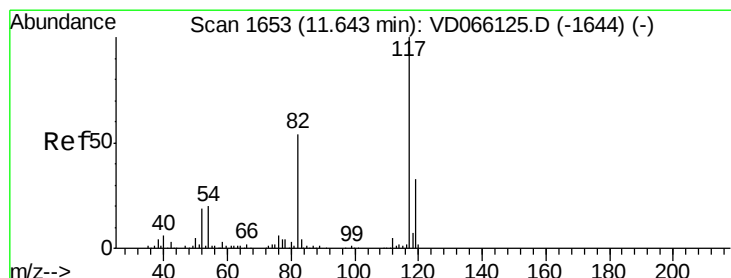
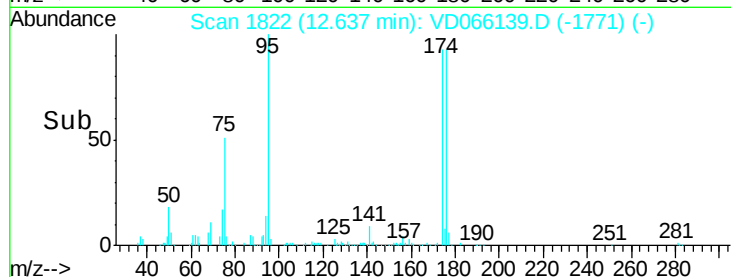
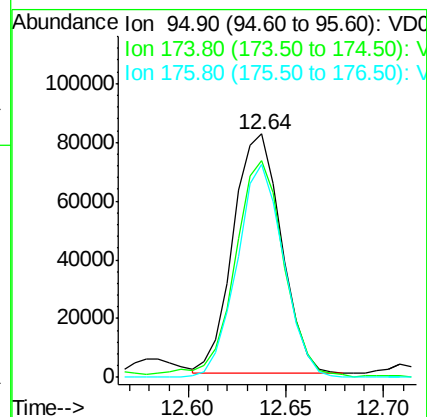
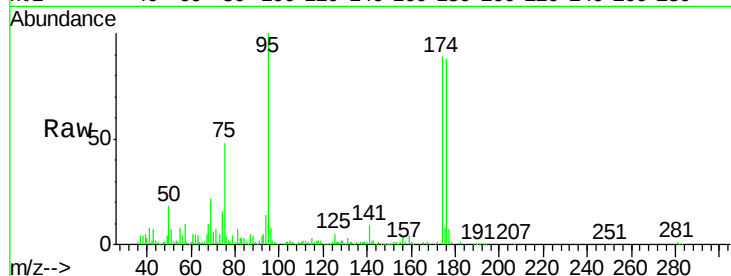
Tot Ion: 95 Resp: 140124

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.8

176 85.7 0.0 181.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

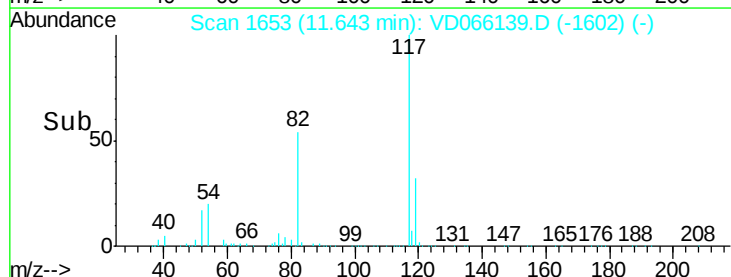
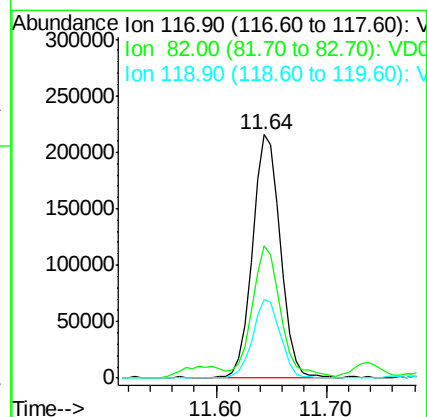
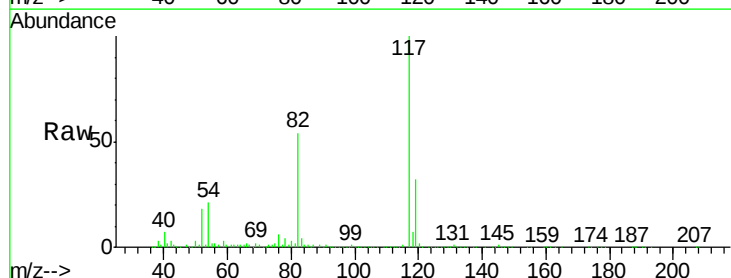
Tgt Ion: 117 Resp: 380085

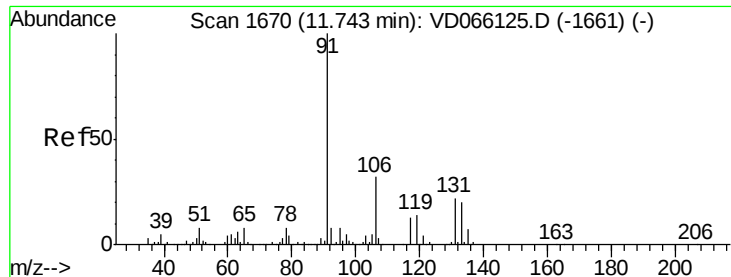
Ion Ratio Lower Upper

117 100

82 52.7 43.0 64.4

119 32.2 26.1 39.1

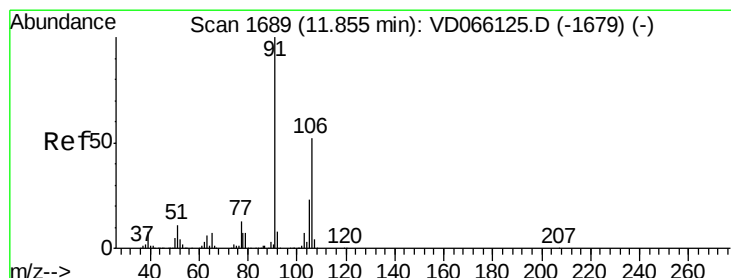
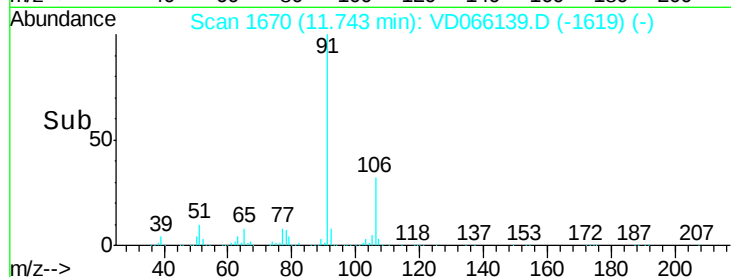
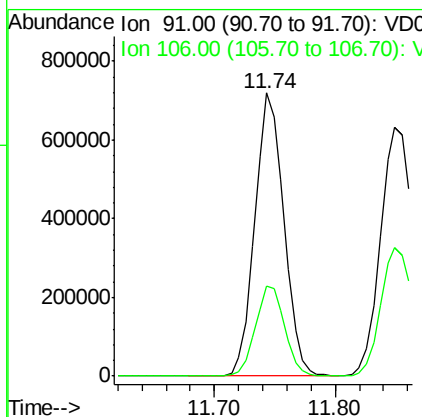
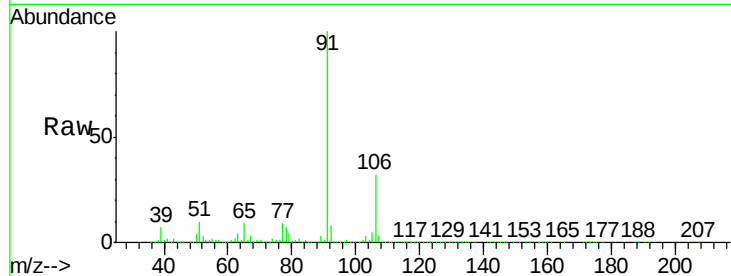




#67
Ethyl Benzene
Concen: 89.831 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

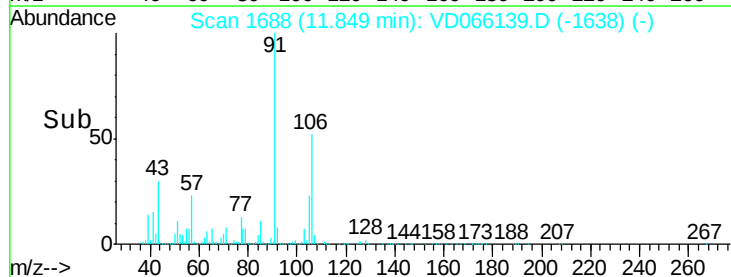
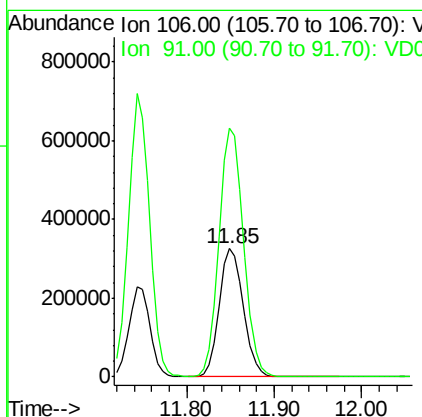
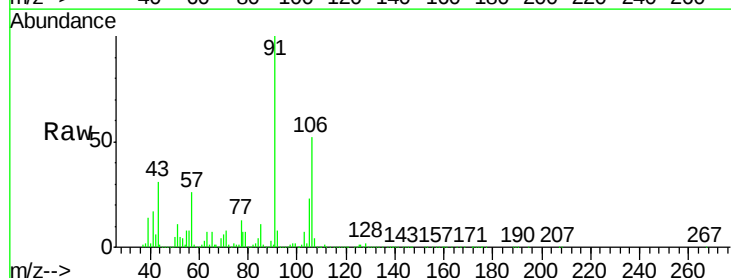
Instrument :
MSVOA_D
ClientSampleId :
NB-30860

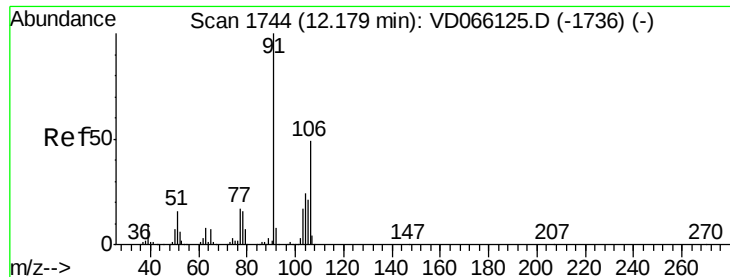
Tot Ion: 91 Resp: 1201112
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 119.788 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion: 106 Resp: 620552
Ion Ratio Lower Upper
106 100
91 196.6 156.6 235.0

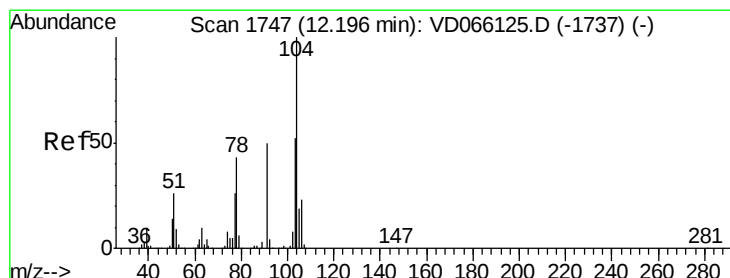
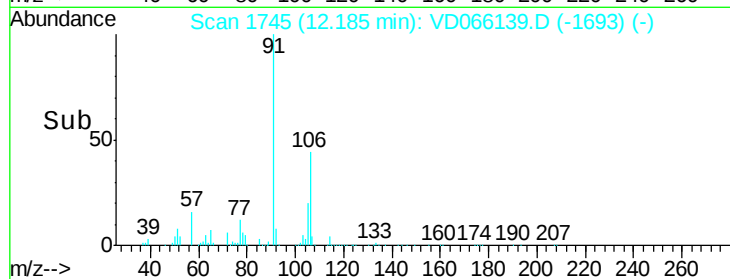
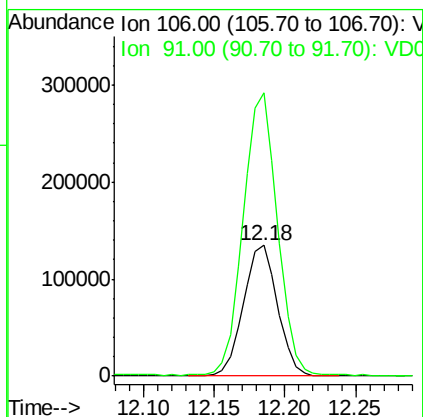
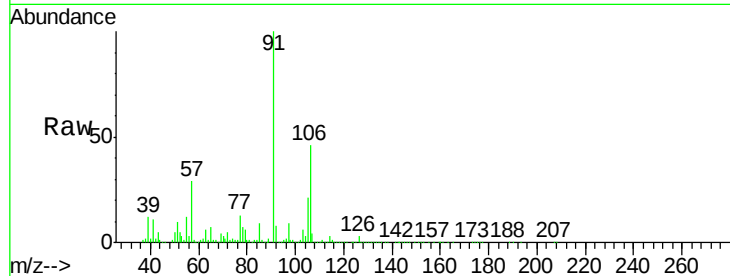




#69
o-Xylene
Concen: 48.427 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

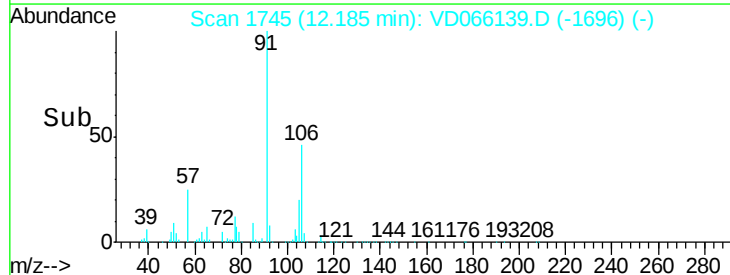
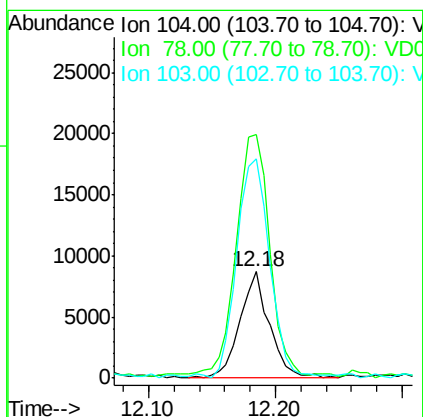
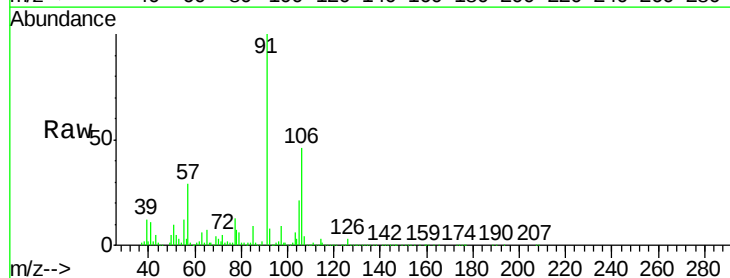
Instrument :
MSVOA_D
ClientSampleId :
NB-30860

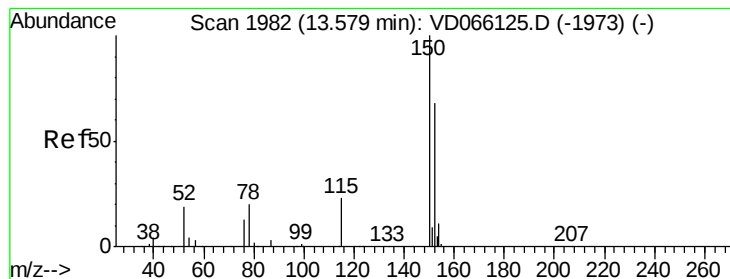
Tot Ion:106 Resp: 228212
Ion Ratio Lower Upper
106 100
91 216.4 105.7 317.1



#70
Styrene
Concen: 1.709 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD066139.D
Acq: 06 Aug 2020 17:22

Tgt Ion:104 Resp: 14116
Ion Ratio Lower Upper
104 100
78 261.1 38.6 58.0#
103 223.5 44.1 66.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

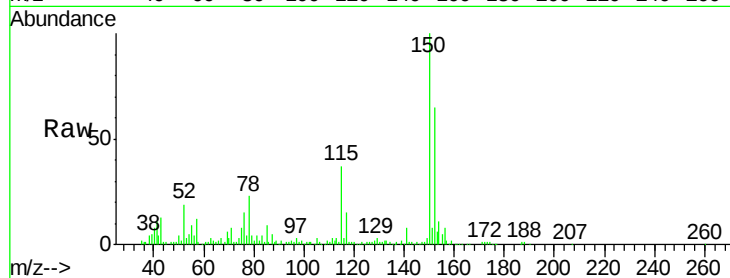
Tot Ion:152 Resp: 86121

Ion Ratio Lower Upper

152 100

115 67.8 28.0 83.9

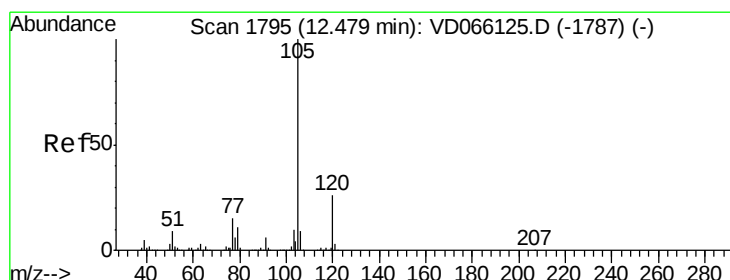
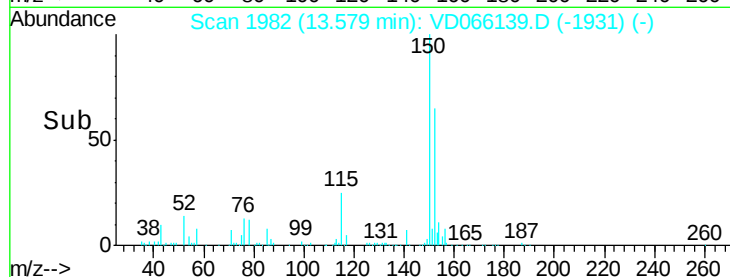
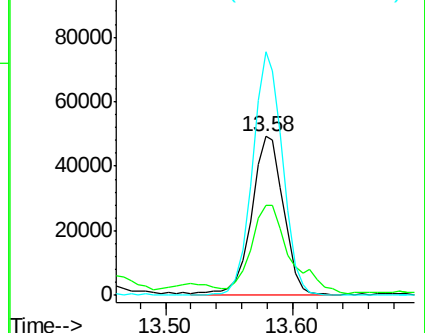
150 144.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 14.763 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066139.D

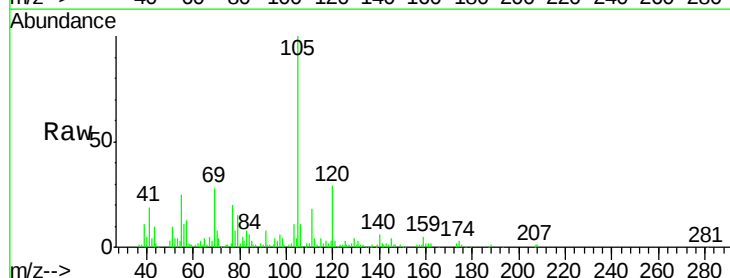
Acq: 06 Aug 2020 17:22

Tgt Ion:105 Resp: 84868

Ion Ratio Lower Upper

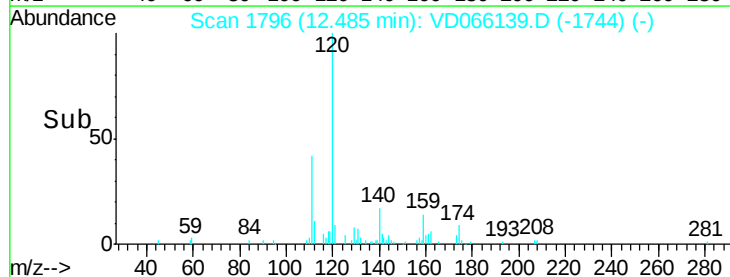
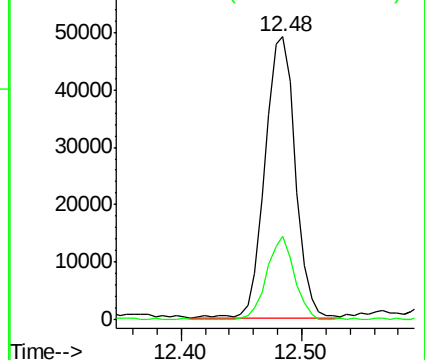
105 100

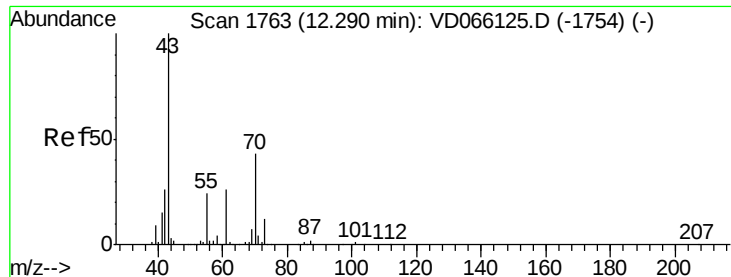
120 27.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 97.325 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.03 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

Tot Ion: 43 Resp: 123206

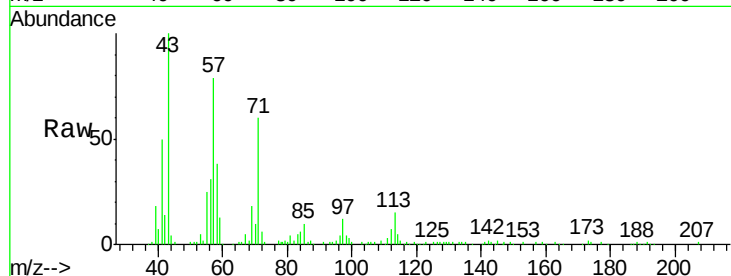
Ion Ratio Lower Upper

43 100

70 12.7 34.9 52.3#

55 9.5 19.2 28.8#

61 0.2 19.7 29.5#

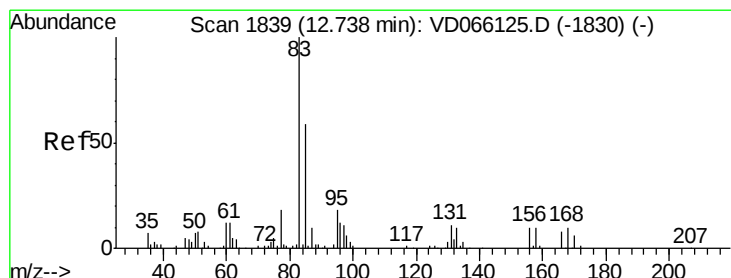
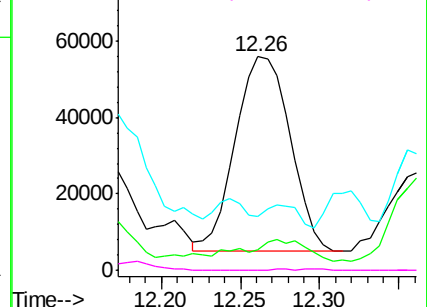
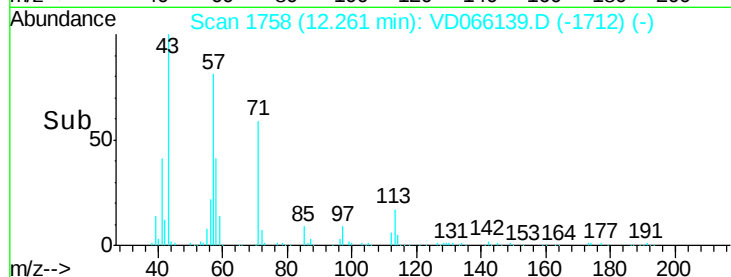


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 21.857 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. 0.02 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

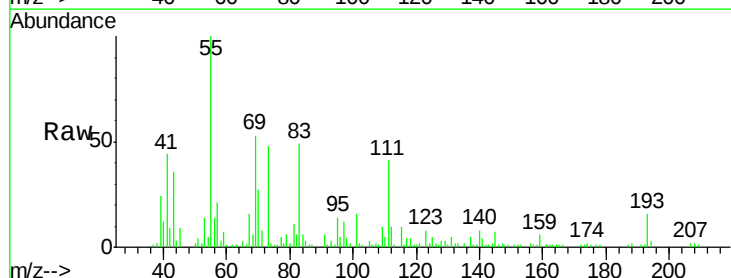
Tgt Ion: 83 Resp: 21426

Ion Ratio Lower Upper

83 100

131 8.0 6.2 18.6

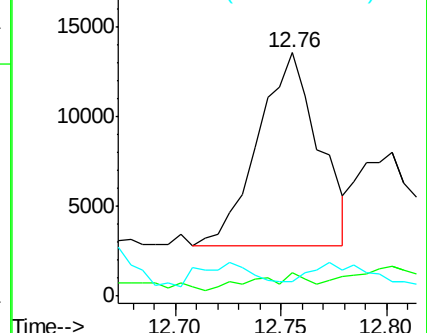
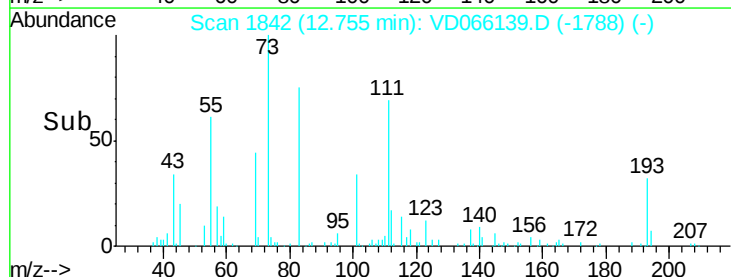
85 10.4 32.4 97.2#

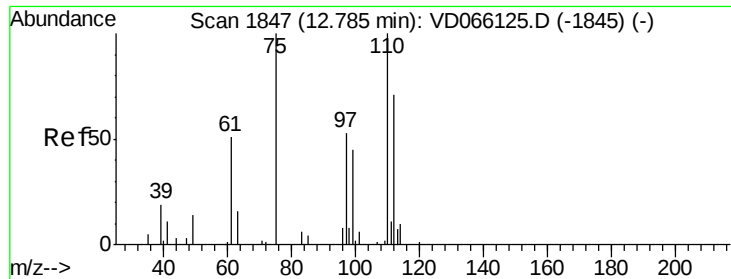


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC





#76

1,2,3-Trichloropropane

Concen: 4.099 ug/l

RT: 12.88 min Scan# 1864

Delta R.T. 0.10 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

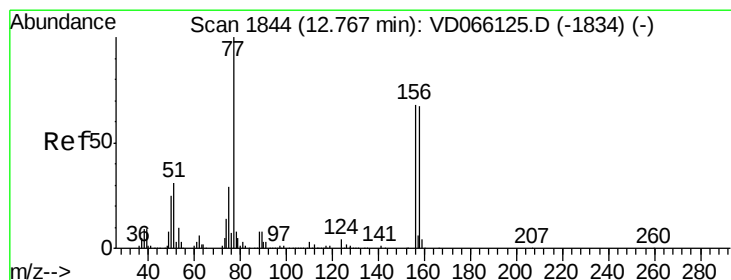
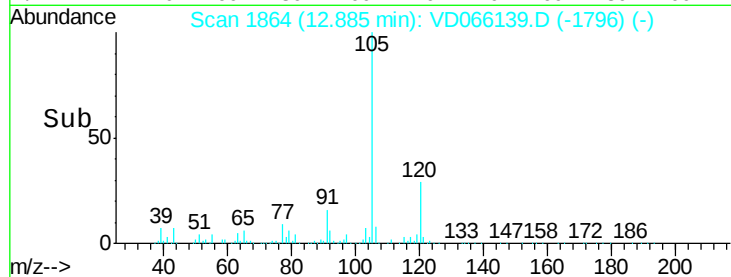
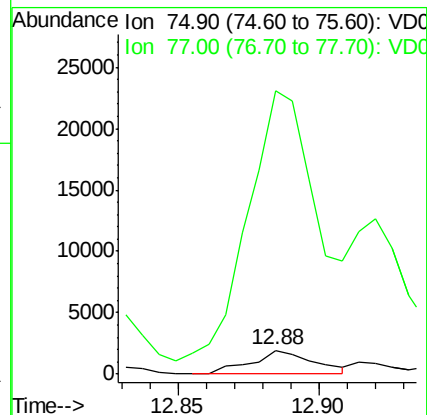
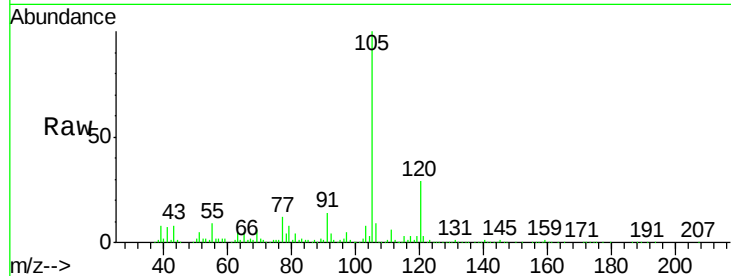
NB-30860

Tot Ion: 75 Resp: 2944

Ion Ratio Lower Upper

75 100

77 1273.7 0.0 0.0#



#77

Bromobenzene

Concen: 10.103 ug/l

RT: 12.65 min Scan# 1824

Delta R.T. -0.12 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

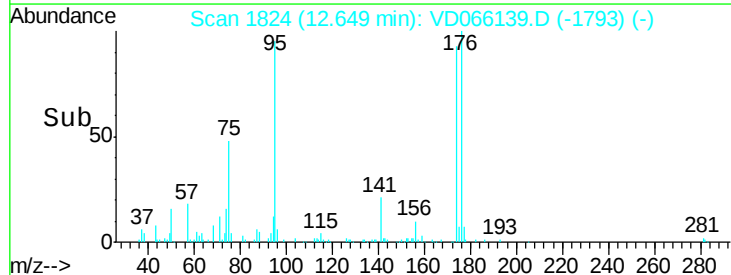
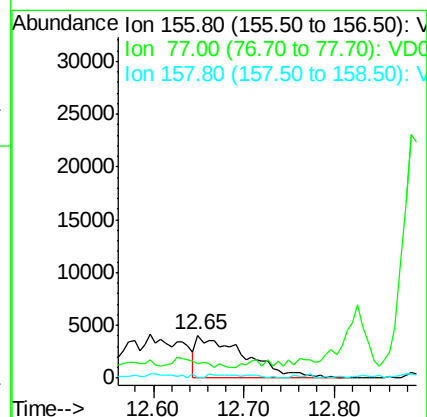
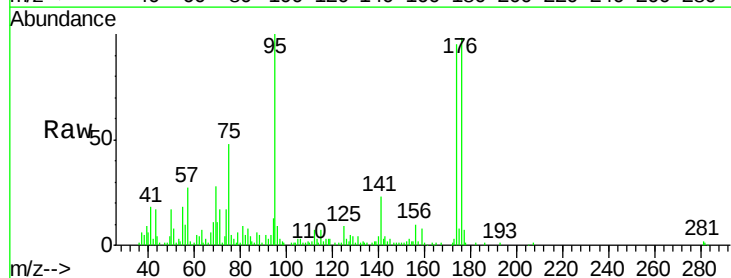
Tgt Ion: 156 Resp: 14951

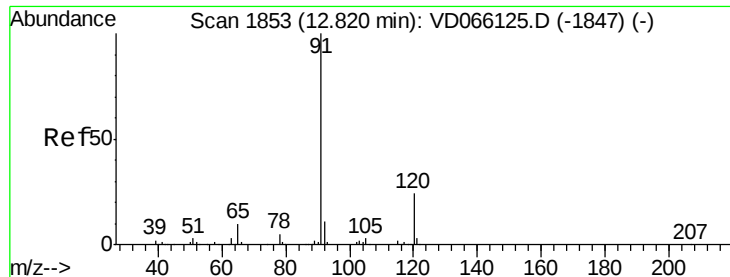
Ion Ratio Lower Upper

156 100

77 0.0 81.0 243.1#

158 4.8 48.8 146.3#





#78

n-propylbenzene

Concen: 29.927 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

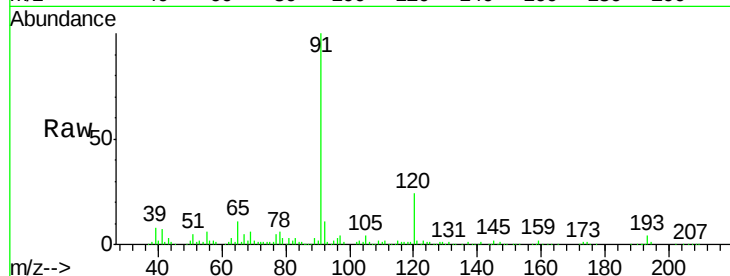
NB-30860

Tot Ion: 91 Resp: 199987

Ion Ratio Lower Upper

91 100

120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC

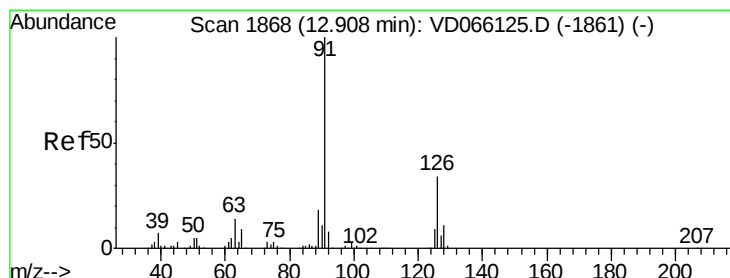
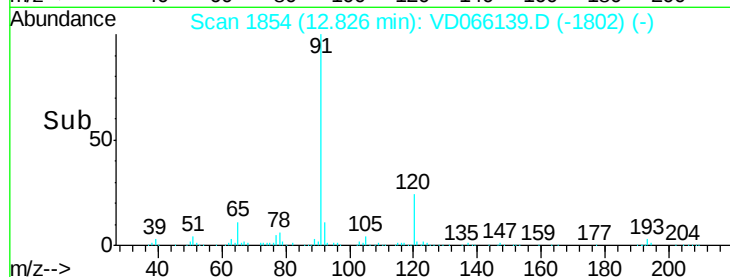
12.83

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: 15.230 ug/l

RT: 12.88 min Scan# 1864

Delta R.T. -0.02 min

Lab File: VD066139.D

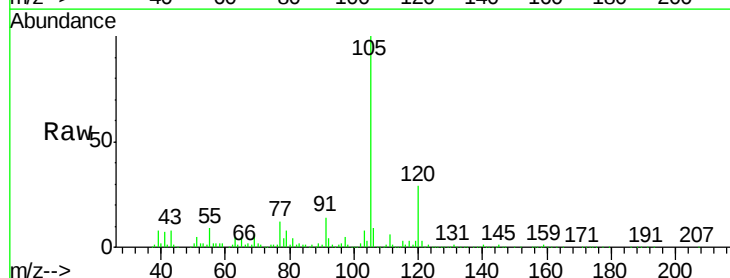
Acq: 06 Aug 2020 17:22

Tgt Ion: 91 Resp: 58207

Ion Ratio Lower Upper

91 100

126 5.3 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

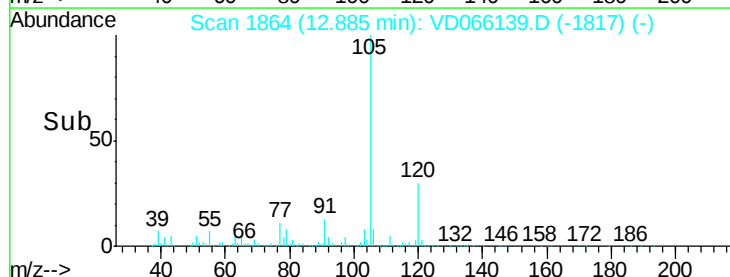
12.88

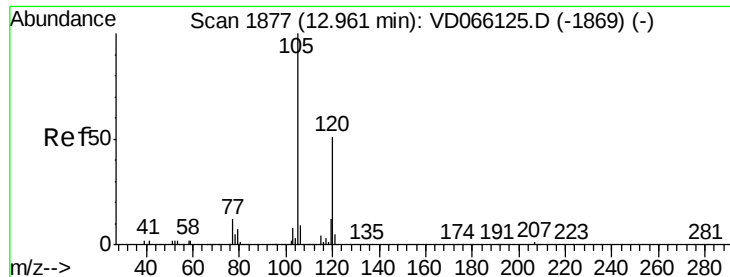
100000

50000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 17.277 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

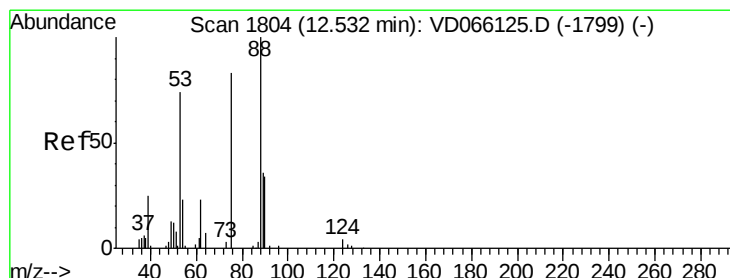
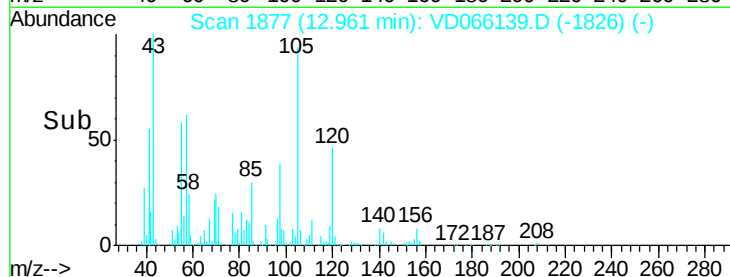
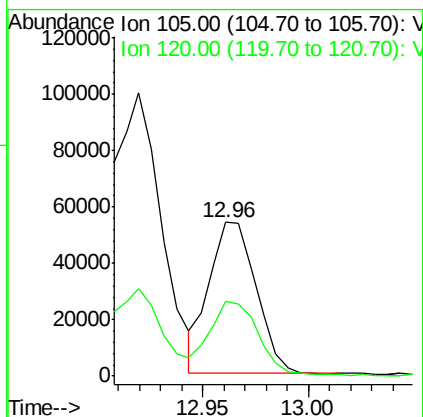
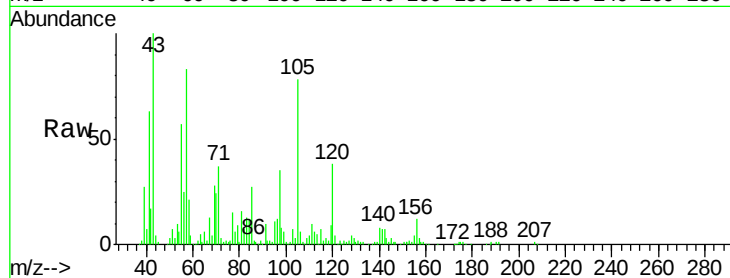
NB-30860

Tot Ion:105 Resp: 83063

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8



#81

trans-1,4-Dichloro-2-butene

Concen: 213.405 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

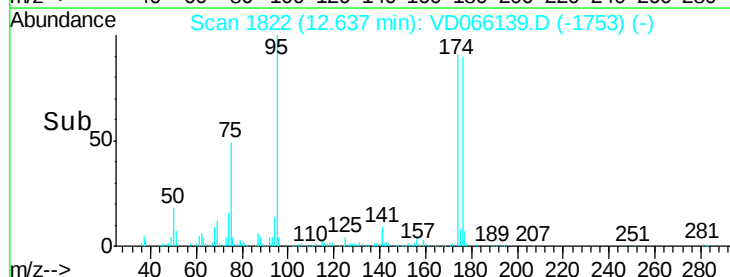
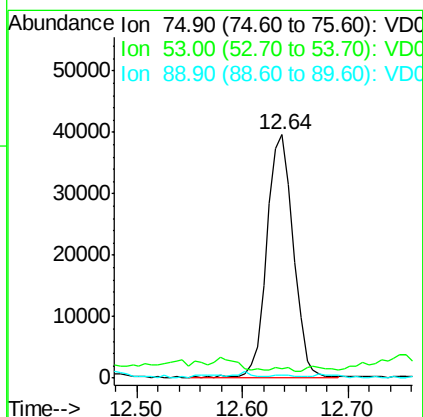
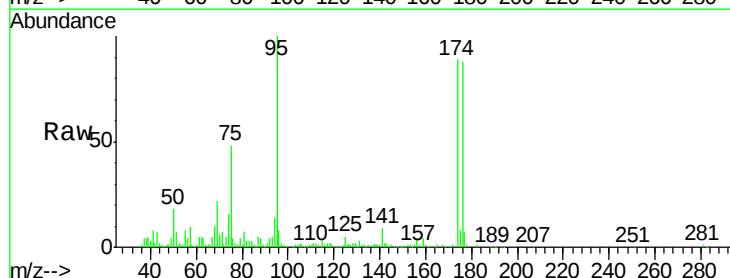
Tgt Ion: 75 Resp: 69333

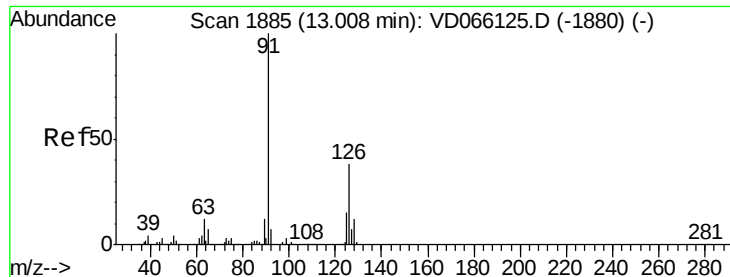
Ion Ratio Lower Upper

75 100

53 0.9 73.4 110.2#

89 1.6 36.6 55.0#





#82

4-Chlorotoluene

Concen: 2.326 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.04 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

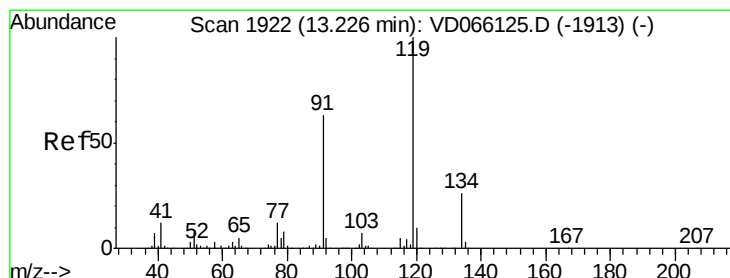
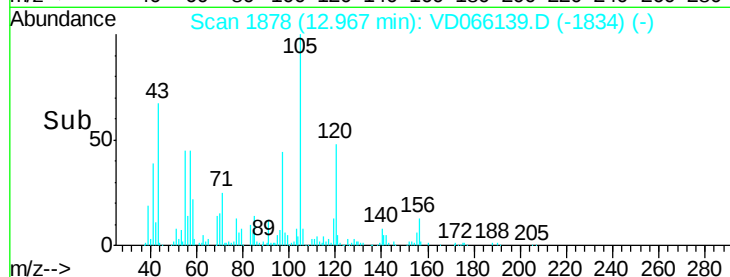
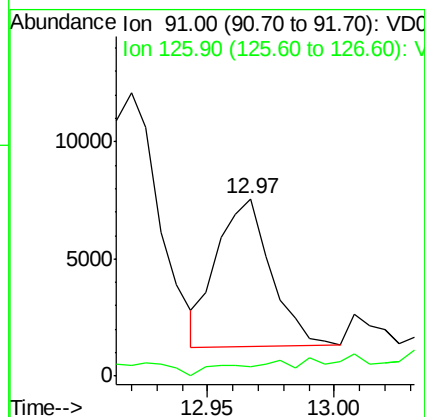
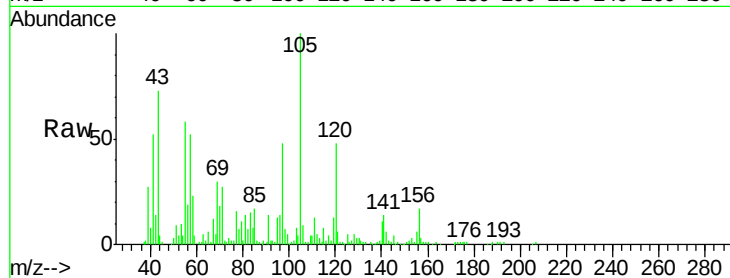
NB-30860

Tot Ion: 91 Resp: 9383

Ion Ratio Lower Upper

91 100

126 12.3 17.8 53.3#



#83

tert-Butylbenzene

Concen: 11.221 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.05 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

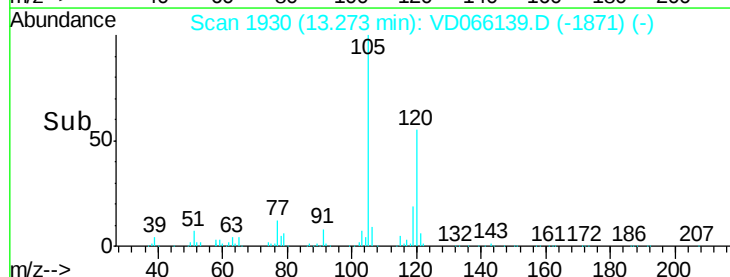
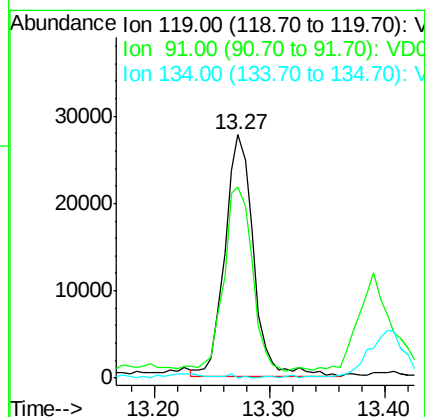
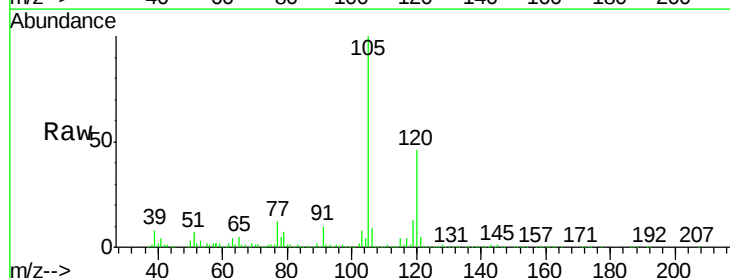
Tgt Ion: 119 Resp: 47445

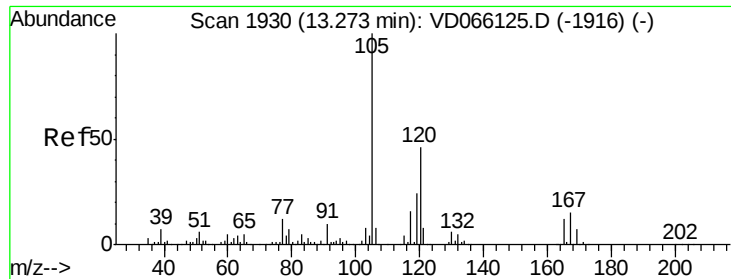
Ion Ratio Lower Upper

119 100

91 75.9 30.8 92.4

134 0.9 13.6 40.8#

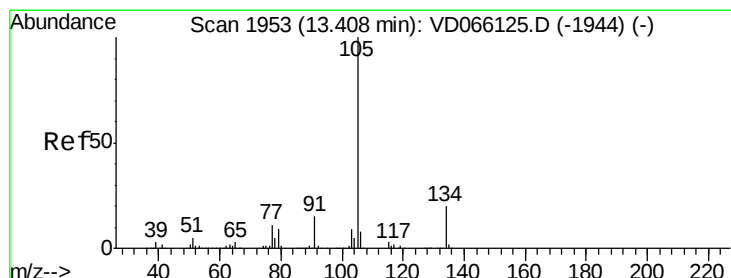
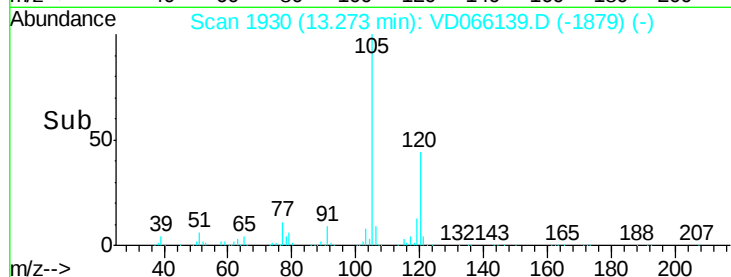
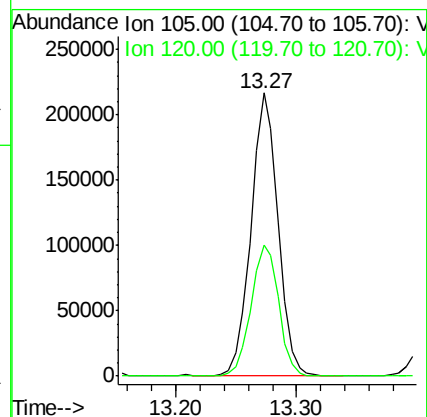
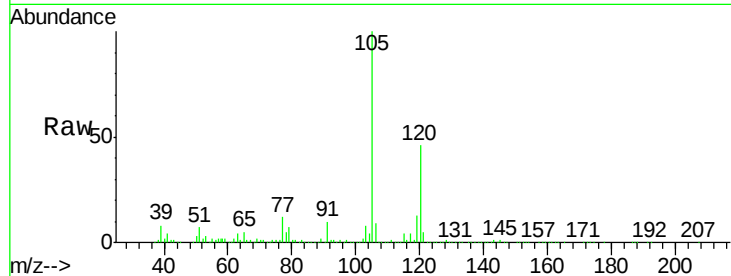




#84
 1,2,4-Trimethylbenzene
 Concen: 69.930 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

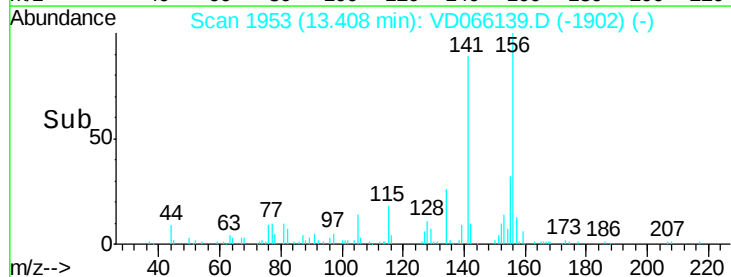
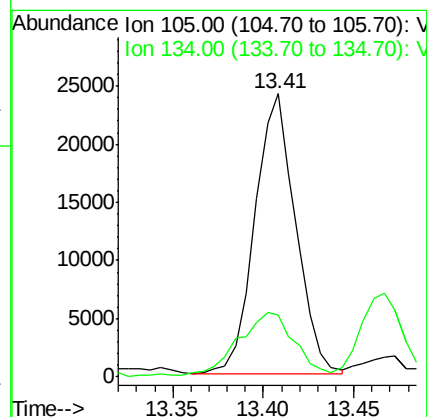
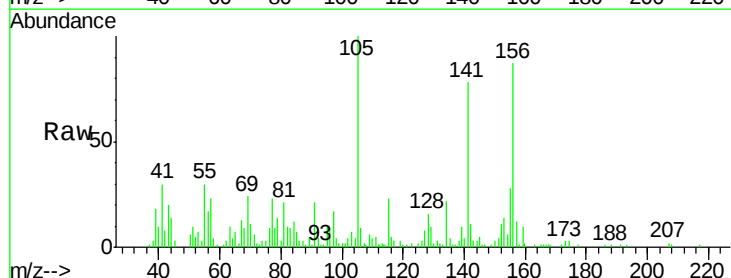
Instrument :
 MSVOA_D
 ClientSampleId :
 NB-30860

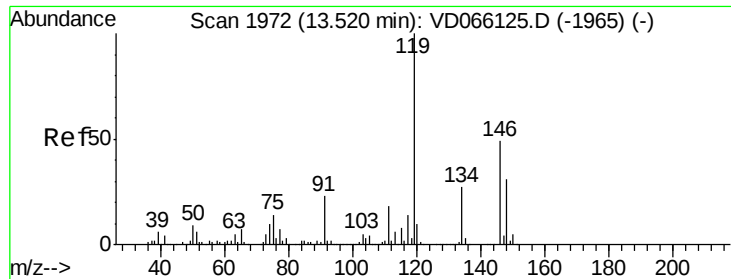
Tot Ion:105 Resp: 336464
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 6.629 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

Tgt Ion:105 Resp: 37840
 Ion Ratio Lower Upper
 105 100
 134 32.8 10.4 31.4#





#86

p-Isopropyltoluene

Concen: 4.602 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

NB-30860

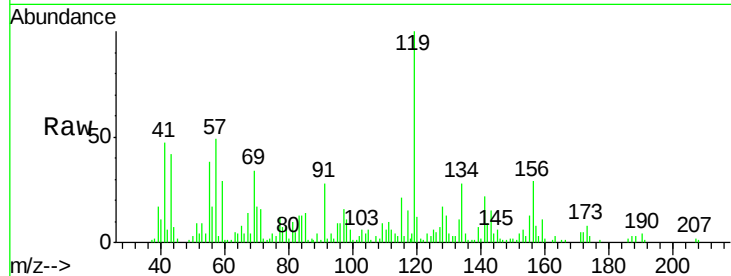
Tot Ion:119 Resp: 24641

Ion Ratio Lower Upper

119 100

134 33.5 13.5 40.4

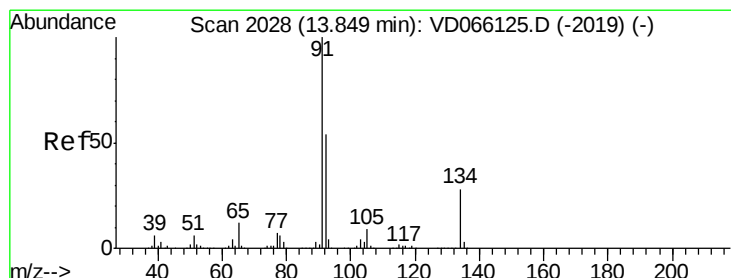
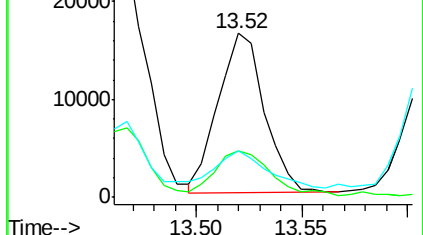
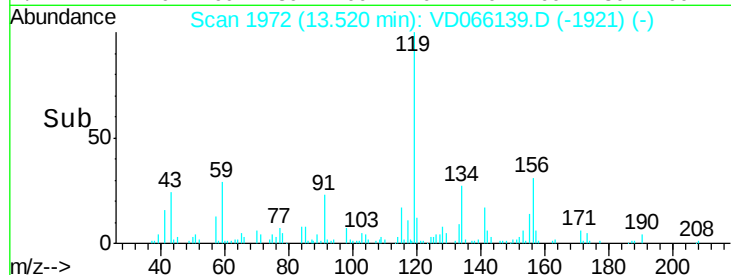
91 26.8 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 59.135 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

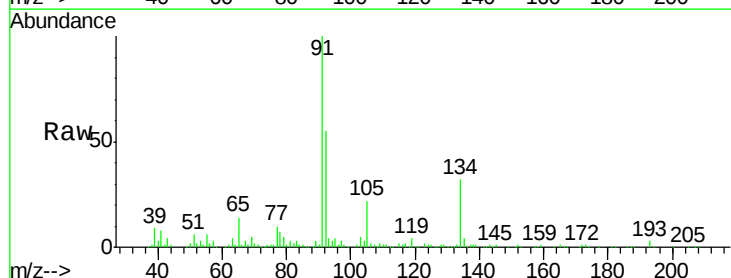
Tgt Ion: 91 Resp: 283673

Ion Ratio Lower Upper

91 100

92 36.9 26.8 80.3

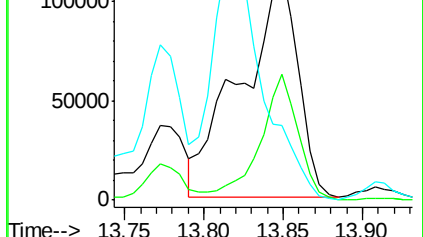
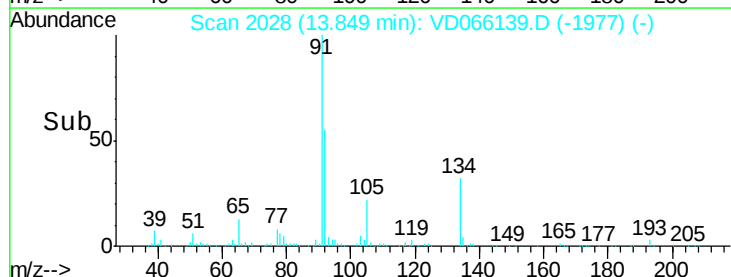
134 0.0 14.0 41.9#

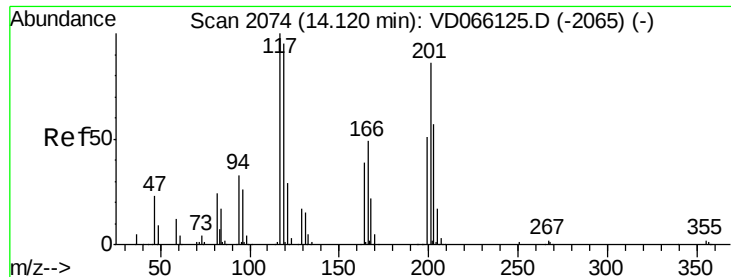


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 129.441 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

Instrument :

MSVOA_D

ClientSampled :

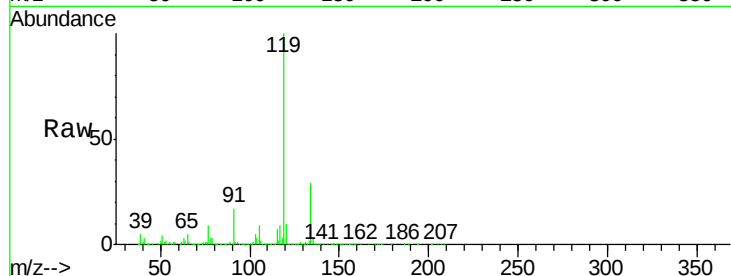
NB-30860

Tot Ion:117 Resp: 138220

Ion Ratio Lower Upper

117 100

201 0.0 42.7 128.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.13

100000

80000

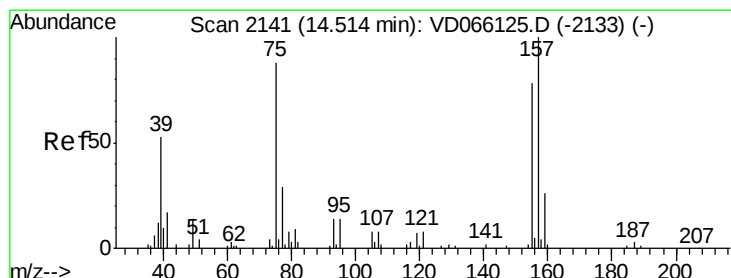
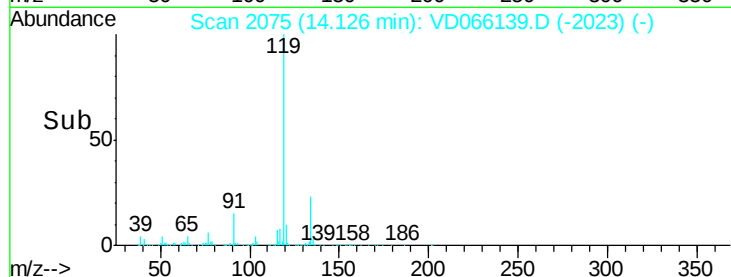
60000

40000

20000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.649 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD066139.D

Acq: 06 Aug 2020 17:22

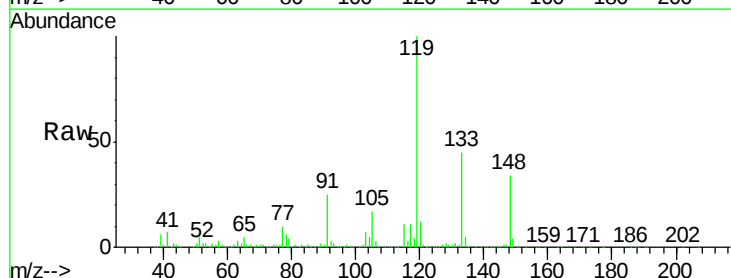
Tgt Ion: 75 Resp: 2805

Ion Ratio Lower Upper

75 100

155 0.0 47.7 143.1#

157 12.8 62.1 186.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

8000

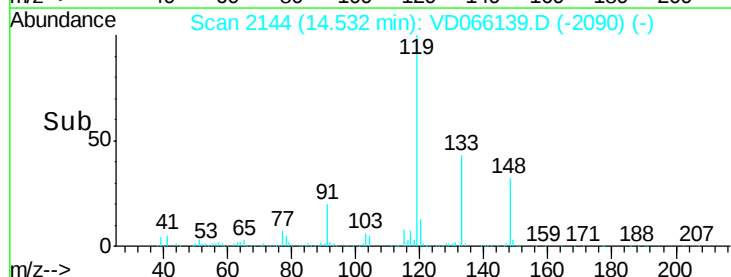
6000

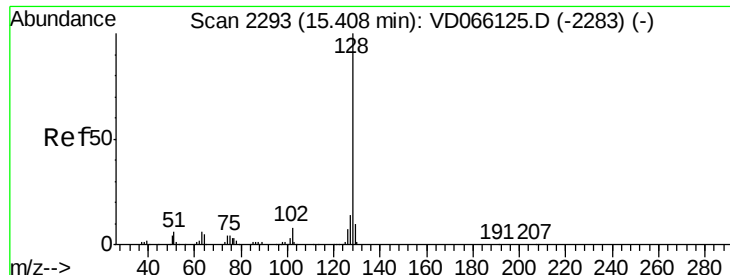
4000

2000

0

Time-->

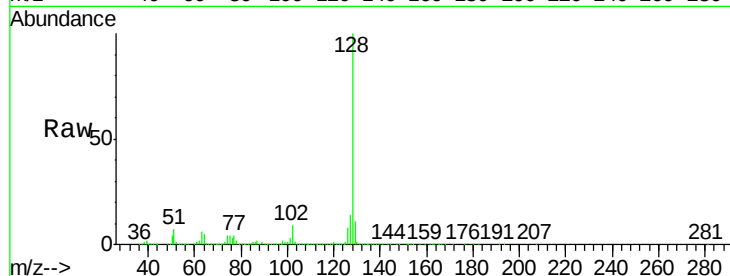




#95
 Naphthalene
 Concen: 592.850 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD066139.D
 Acq: 06 Aug 2020 17:22

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-30860

Tot Ion:128 Resp: 1751035
 Ion Ratio Lower Upper
 128 100
 127 13.4 11.0 16.4
 129 11.1 8.8 13.2



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

