

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060506.D
 Acq On : 13 Mar 2020 16:35
 Operator : JC/MD
 Sample : L1893-24
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-DA

Quant Time: Mar 16 04:30:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	215666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	354971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	328957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137032	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.56	113	104409	63.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.74%	
50) Toluene-d8	10.08	98	440729	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.40	95	165126	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	3.75	96	29	Below Cal	# 1
13) Acrolein	3.55	56	814	2.124	ug/l # 1
14) Allyl chloride	4.36	41	947	0.248	ug/l # 43
15) Acrylonitrile	5.02	53	561	0.518	ug/l # 25
16) Acetone	3.78	43	21406	23.956	ug/l 91
17) Carbon Disulfide	4.03	76	92	Below Cal	# 75
18) Methyl Acetate	4.30	43	1486	0.498	ug/l # 56
20) Methylene Chloride	4.52	84	6649	2.709	ug/l # 95
25) 2-Butanone	6.81	43	7045	4.881	ug/l 92
31) Cyclohexane	7.63	56	140884	37.350	ug/l 98
36) 1,1-Dichloropropene	7.64	75	17176	5.077	ug/l # 49
37) Ethyl Acetate	6.81	43	7045	2.199	ug/l # 68
38) Carbon Tetrachloride	7.64	117	20652	6.270	ug/l # 15
39) Methylcyclohexane	9.07	83	149813	37.559	ug/l 96
40) Benzene	8.02	78	10378	1.054	ug/l 97
41) Methacrylonitrile	7.17	41	337	0.228	ug/l # 100
43) Isopropyl Acetate	8.14	43	45226	8.065	ug/l # 88
45) 1,2-Dichloropropane	9.06	63	1501	0.583	ug/l # 1
47) Bromodichloromethane	9.37	83	1256	0.370	ug/l # 25
48) Methyl methacrylate	9.16	41	2301	0.900	ug/l # 13
51) 4-Methyl-2-Pentanone	9.97	43	3931	1.236	ug/l 94
52) Toluene	10.14	92	13877	2.244	ug/l 98
54) cis-1,3-Dichloropropene	9.89	75	17296	4.010	ug/l # 58
55) 1,1,2-Trichloroethane	10.52	97	10364	4.167	ug/l # 19
56) Ethyl methacrylate	10.42	69	3490	0.977	ug/l # 1
57) 1,3-Dichloropropane	10.75	76	2655	0.655	ug/l # 42
59) 2-Hexanone	10.75	43	39314	16.840	ug/l # 54
67) Ethyl Benzene	11.50	91	308209	25.479	ug/l 100
68) m/p-Xylenes	11.61	106	145683	31.921	ug/l 100
69) o-Xylene	11.94	106	20524	4.716	ug/l 95
73) Isopropylbenzene	12.24	105	96778	8.308	ug/l 99
74) N-amyl acetate	12.02	43	3512	0.690	ug/l # 61
76) 1,2,3-Trichloropropane	12.40	75	83492	24.213	ug/l # 100
78) n-propylbenzene	12.59	91	79885	5.850	ug/l 99

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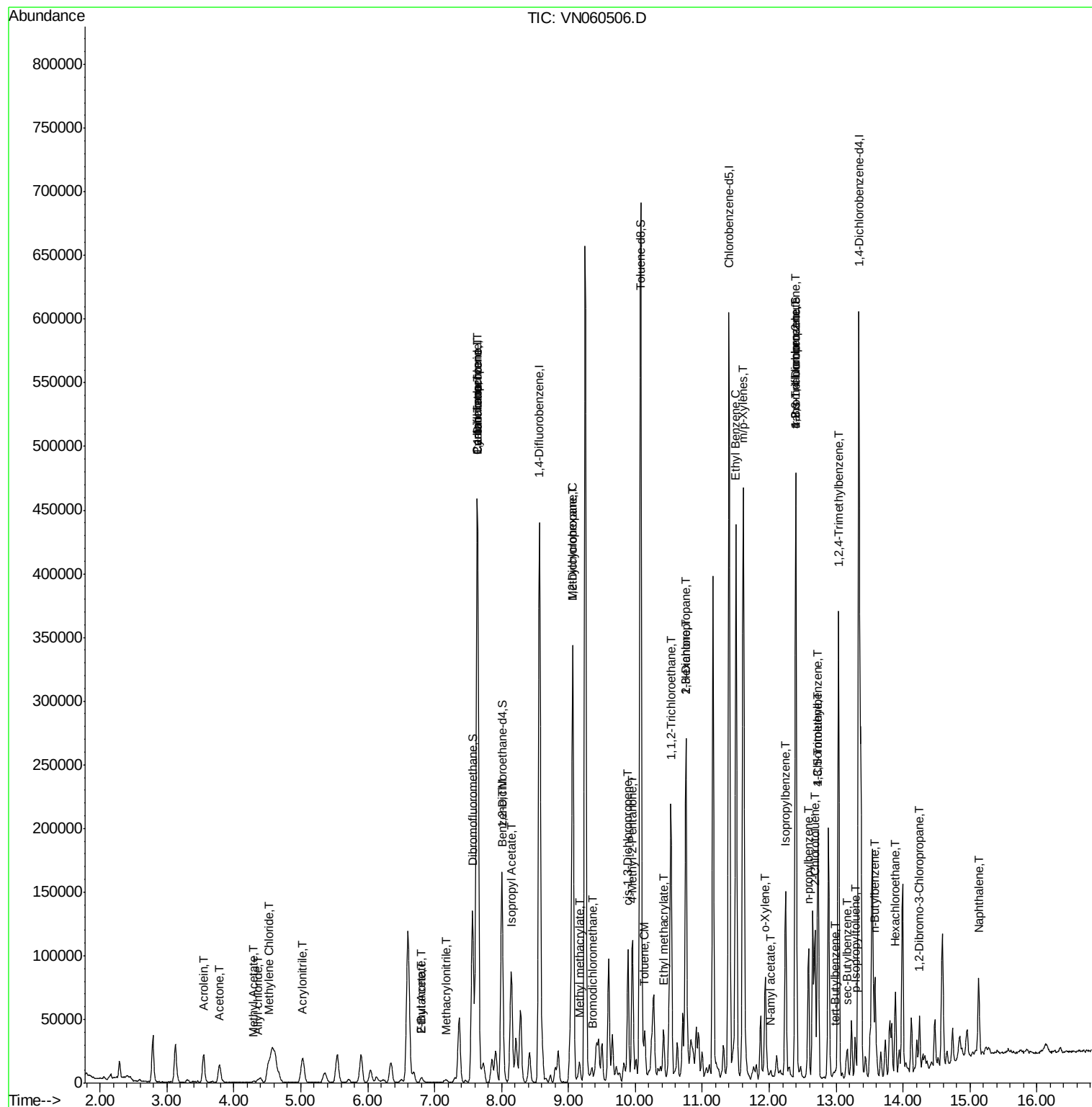
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.68	91	7492	0.933	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	103262	10.528	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	83492	66.838	ug/l #	8
82) 4-Chlorotoluene	12.73	91	11229	1.328	ug/l #	41
83) tert-Butylbenzene	12.99	119	2653	0.312	ug/l	79
84) 1,2,4-Trimethylbenzene	13.04	105	207673	20.978	ug/l	99
85) sec-Butylbenzene	13.17	105	14409	1.267	ug/l	79
86) p-Isopropyltoluene	13.28	119	17071	1.622	ug/l	98
89) n-Butylbenzene	13.58	91	3169	0.328	ug/l #	1
90) Hexachloroethane	13.89	117	3644	2.392	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	327	0.456	ug/l #	3
95) Naphthalene	15.13	128	50601	5.160	ug/l	99

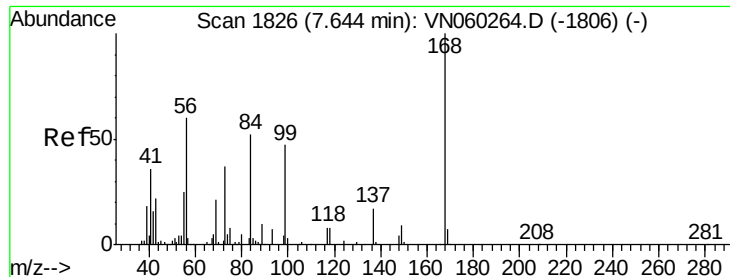
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

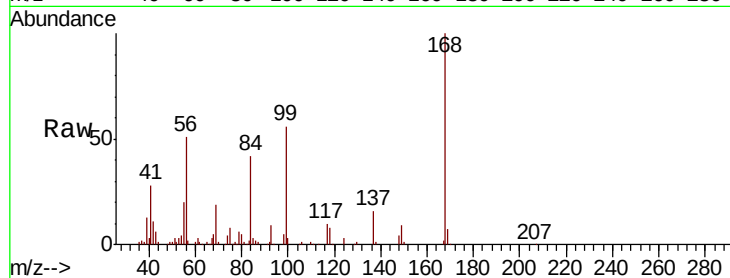
TP-14-DA

Tot Ion:168 Resp: 215666

Ion Ratio Lower Upper

168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

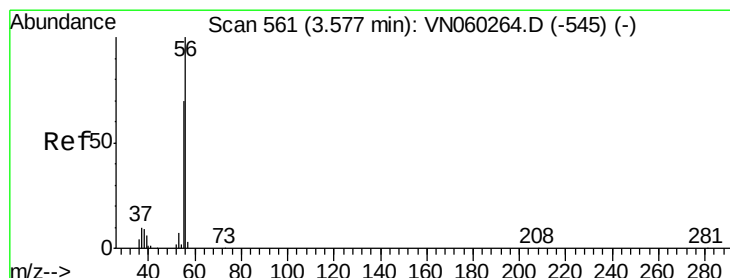
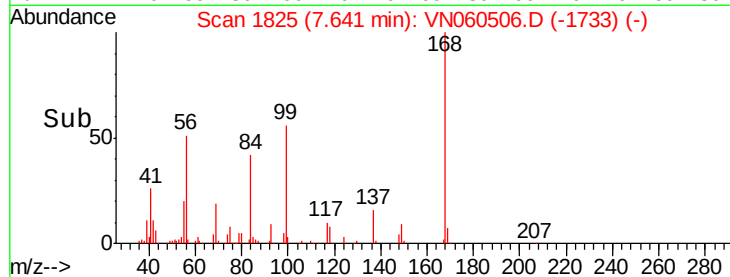
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 2.124 ug/l

RT: 3.55 min Scan# 553

Delta R.T. -0.03 min

Lab File: VN060506.D

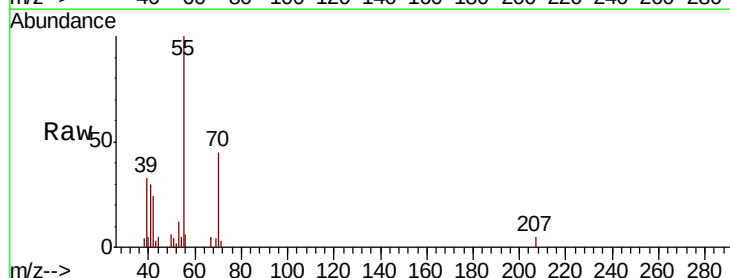
Acq: 13 Mar 2020 16:35

Tgt Ion: 56 Resp: 814

Ion Ratio Lower Upper

56 100

55 2266.6 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

8000

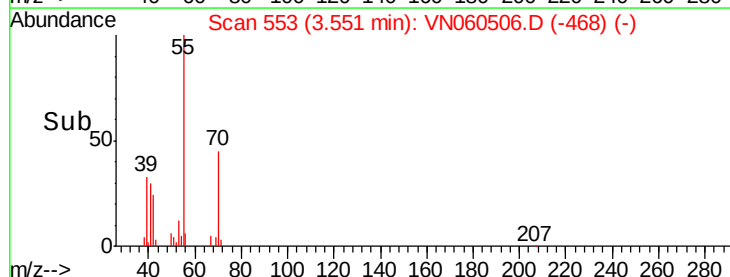
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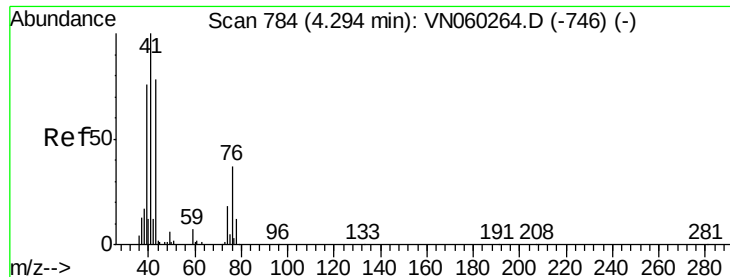
4000

2000

0

Time-->

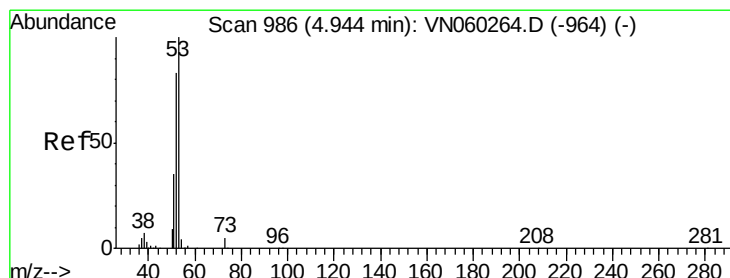
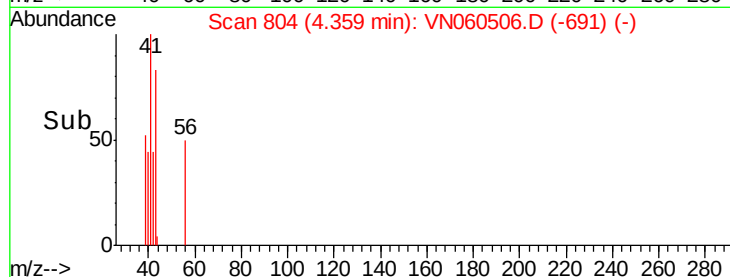
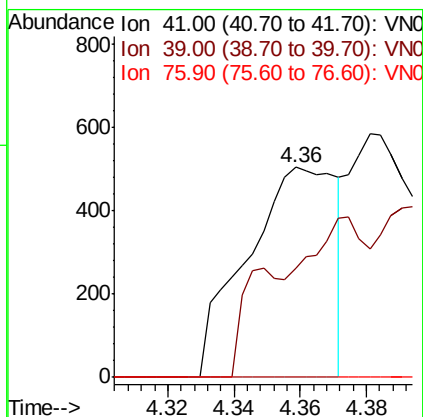
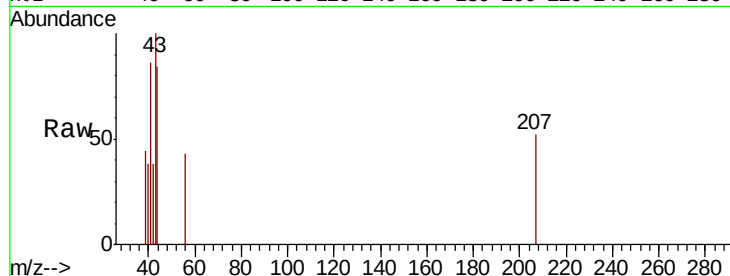




#14
Allvl chloride
Concen: 0.248 ug/l
RT: 4.36 min Scan# 804
Delta R.T. 0.06 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

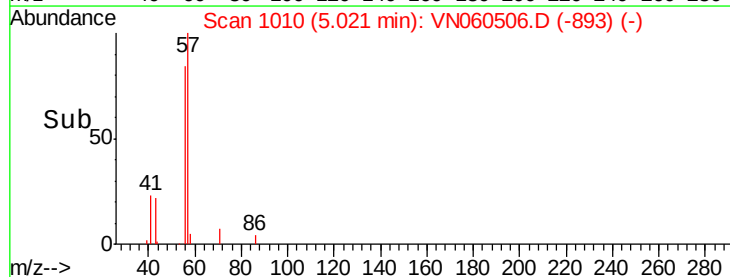
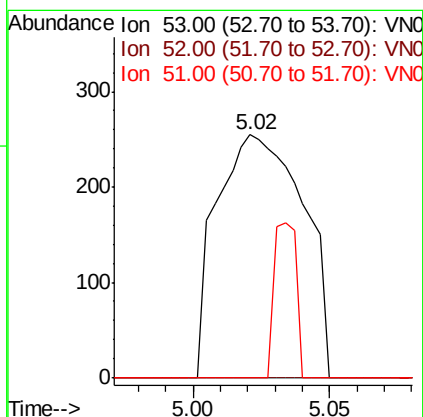
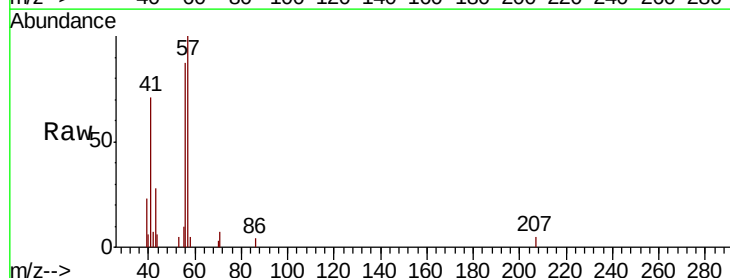
Instrument :
MSVOA_N
ClientSampleId :
TP-14-DA

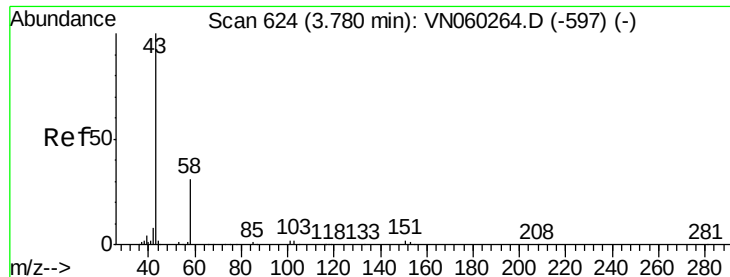
Tot Ion: 41 Resp: 947
Ion Ratio Lower Upper
41 100
39 24.2 55.4 83.2#
76 0.0 27.0 40.6#



#15
Acrylonitrile
Concen: 0.518 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.08 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 53 Resp: 561
Ion Ratio Lower Upper
53 100
52 0.0 66.8 100.2#
51 16.4 29.0 43.6#





#16

Acetone

Concen: 23.956 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

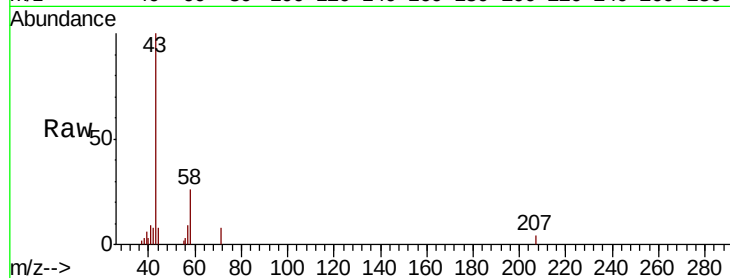
TP-14-DA

Tot Ion: 43 Resp: 21406

Ion Ratio Lower Upper

43 100

58 25.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-597) (-)

8000

6000

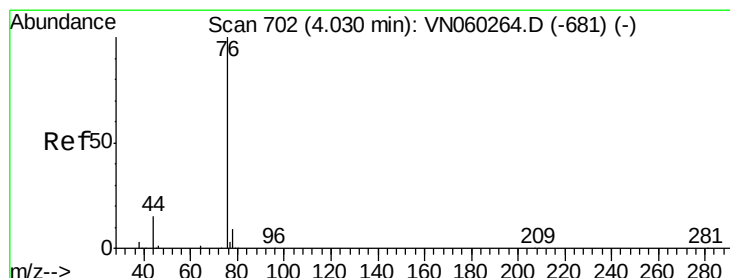
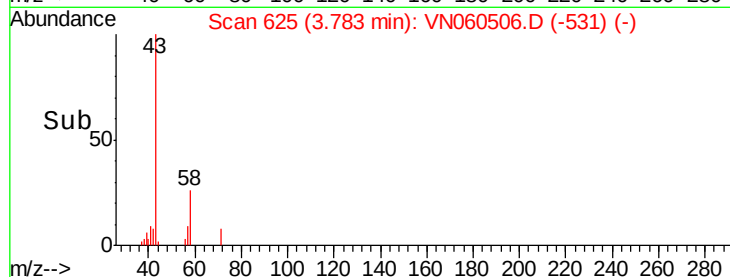
4000

2000

0

3.70 3.80 3.90

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060506.D

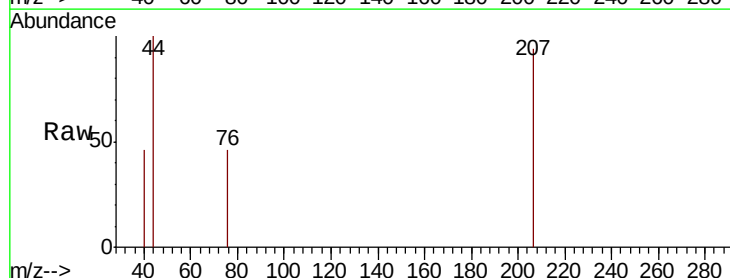
Acq: 13 Mar 2020 16:35

Tgt Ion: 76 Resp: 92

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060506.D (-609) (-)

150

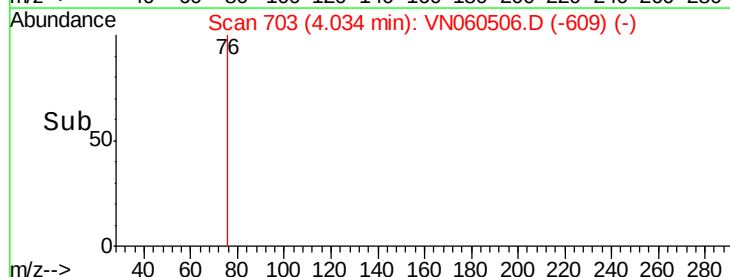
100

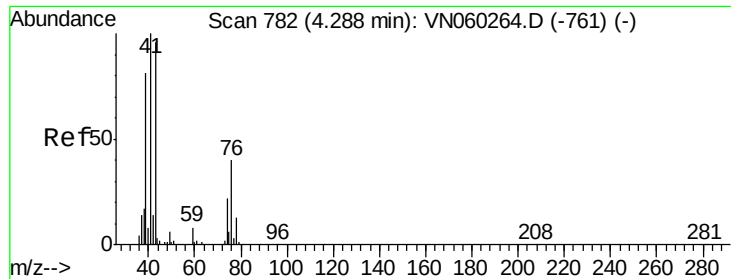
50

0

4.02 4.03 4.04 4.05

Time-->

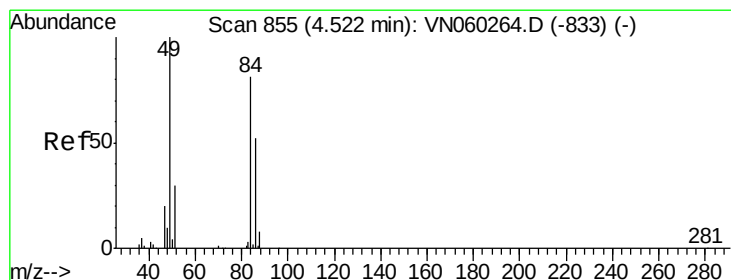
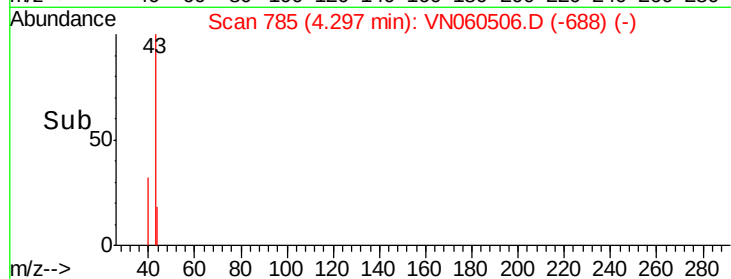
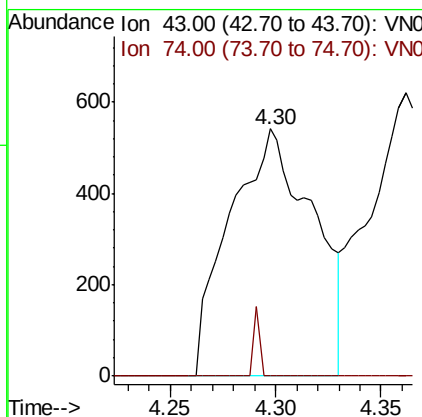
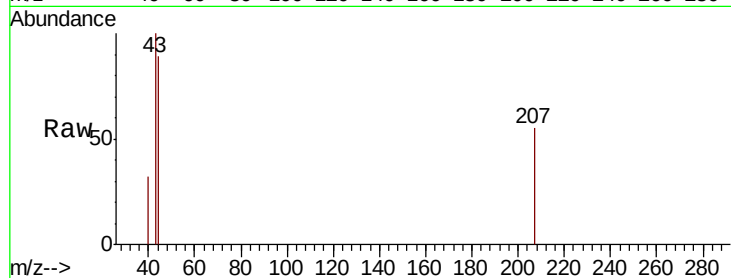




#18
Methyl Acetate
Concen: 0.498 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

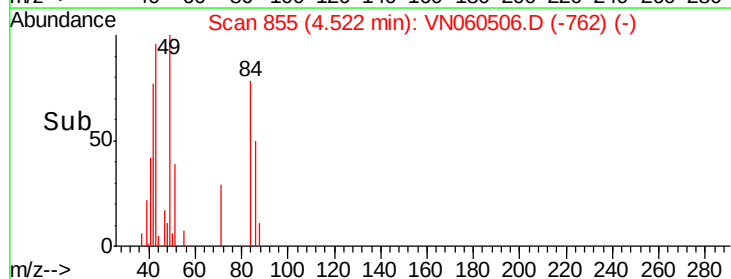
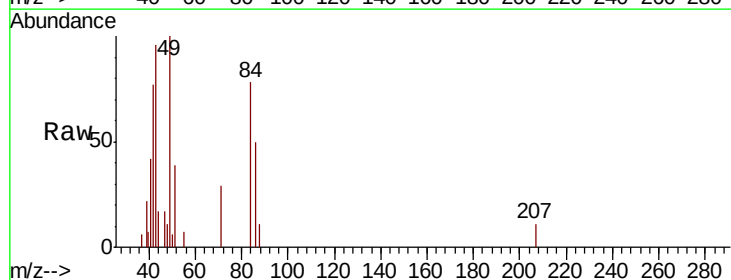
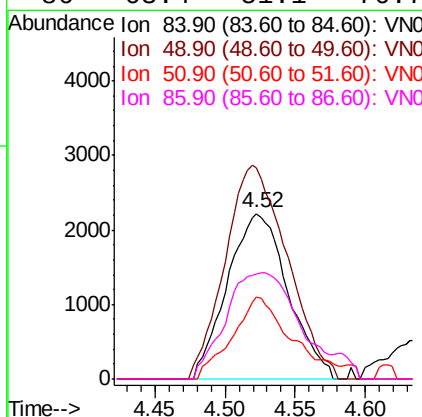
Instrument :
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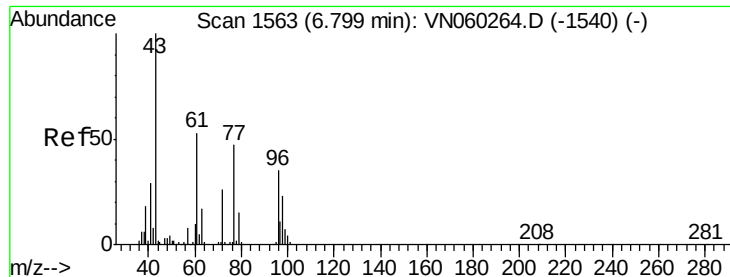
Tot Ion: 43 Resp: 1486
Ion Ratio Lower Upper
43 100
74 2.0 18.8 28.2#



#20
Methylene Chloride
Concen: 2.709 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 84 Resp: 6649
Ion Ratio Lower Upper
84 100
49 127.5 99.3 148.9
51 49.8 30.1 45.1#
86 63.4 51.1 76.7





#25

2-Butanone

Concen: 4.881 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

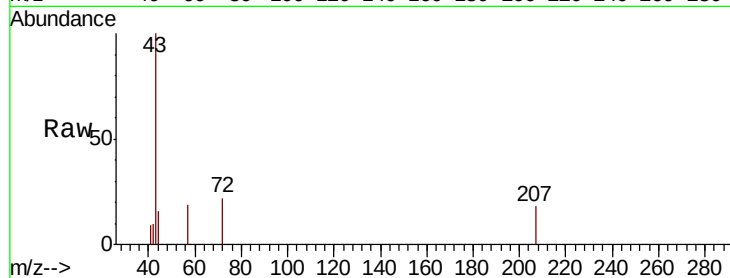
TP-14-DA

Tot Ion: 43 Resp: 7045

Ion Ratio Lower Upper

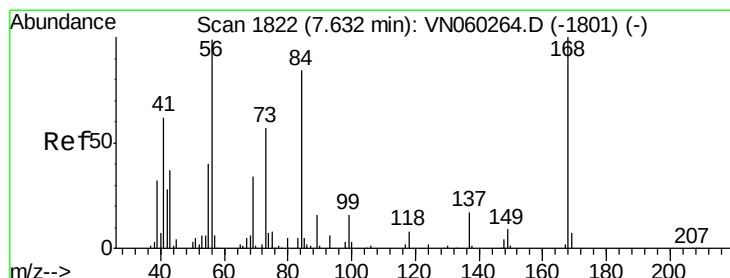
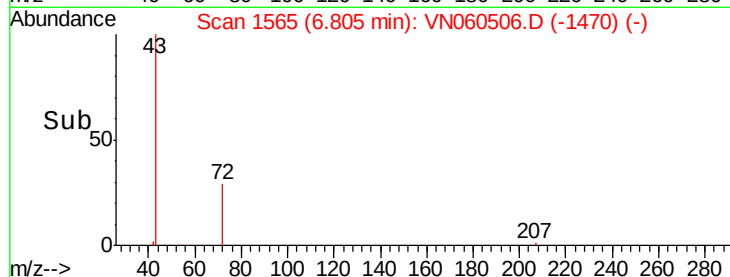
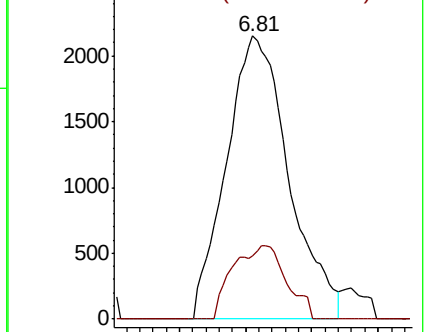
43 100

72 22.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 37.350 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

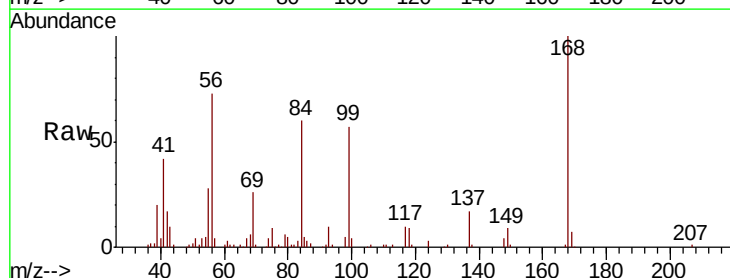
Tgt Ion: 56 Resp: 140884

Ion Ratio Lower Upper

56 100

69 35.4 27.2 40.8

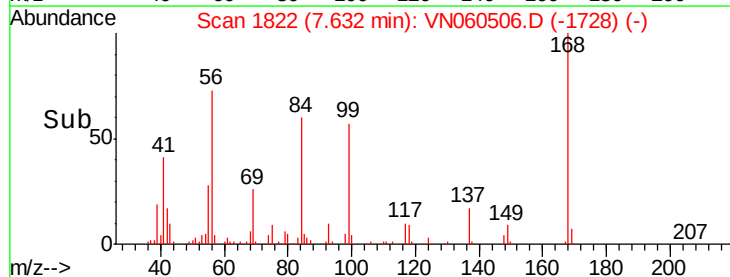
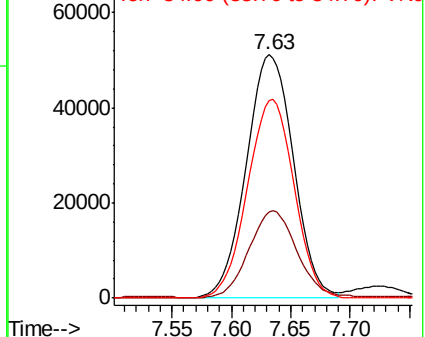
84 81.3 66.7 100.1

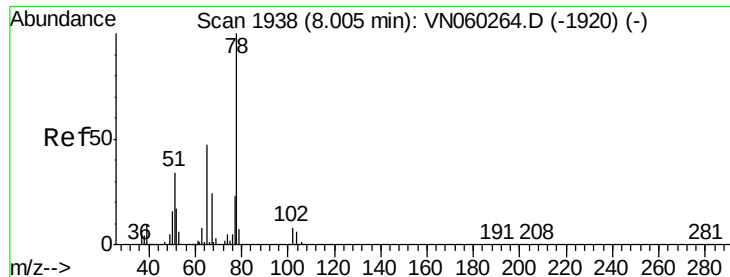


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

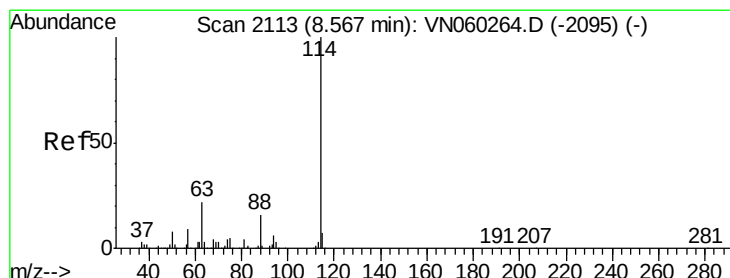
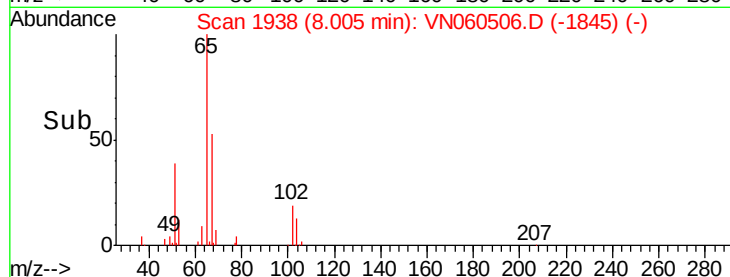
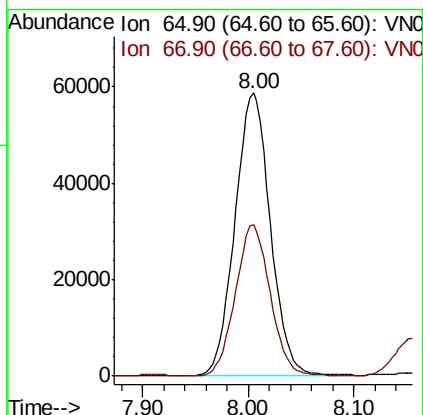
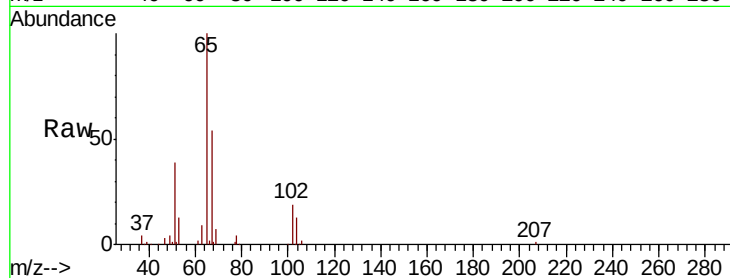




#33
 1,2-Dichloroethane-d4
 Concen: 49.523 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

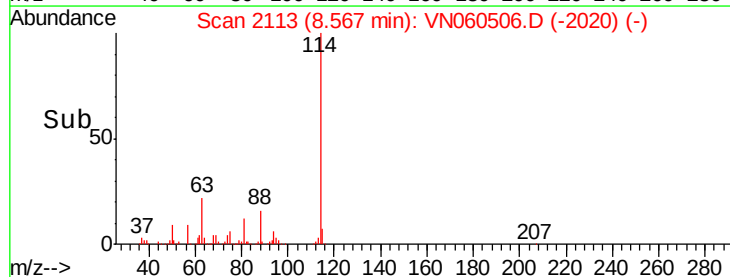
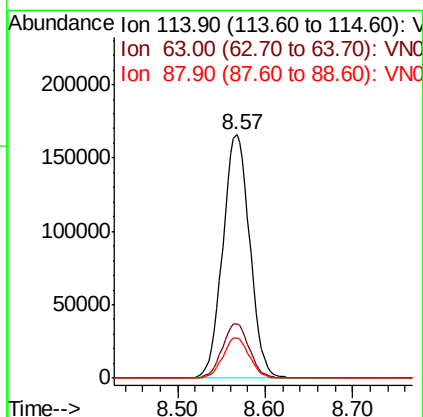
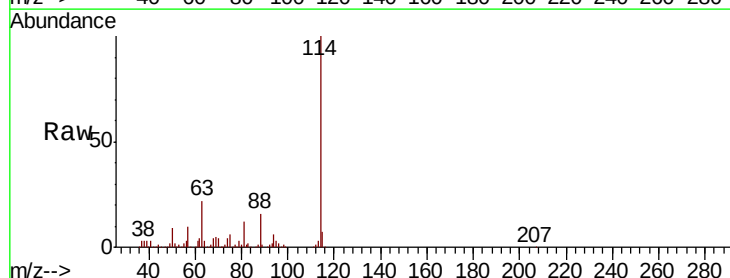
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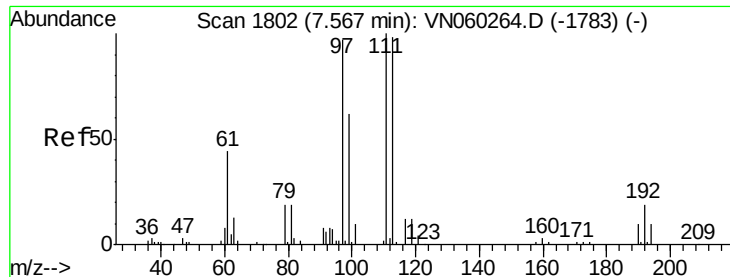
Tot Ion: 65 Resp: 137032
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

Tgt Ion: 114 Resp: 354971
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 16.3 0.0 31.6

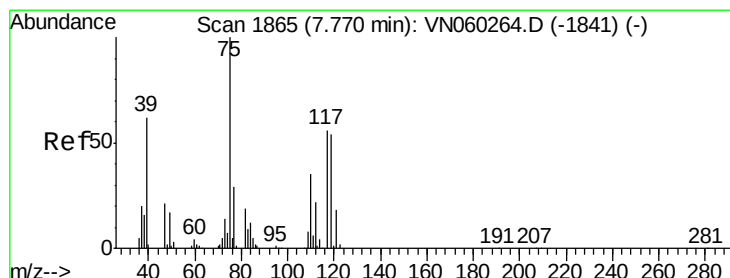
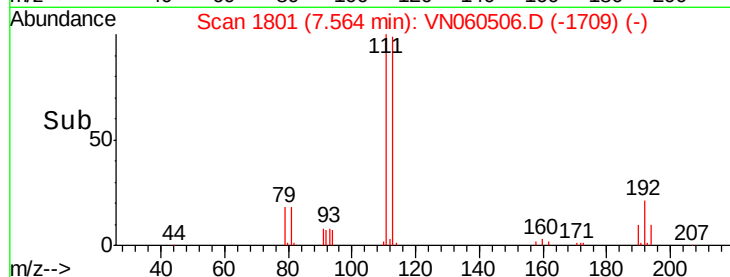
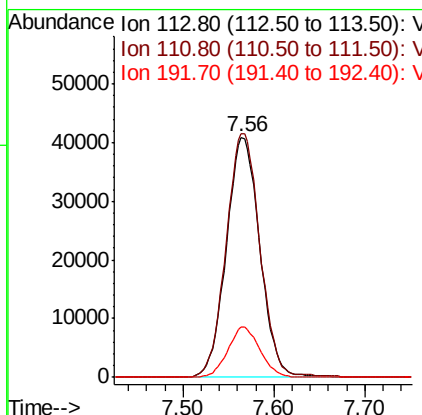
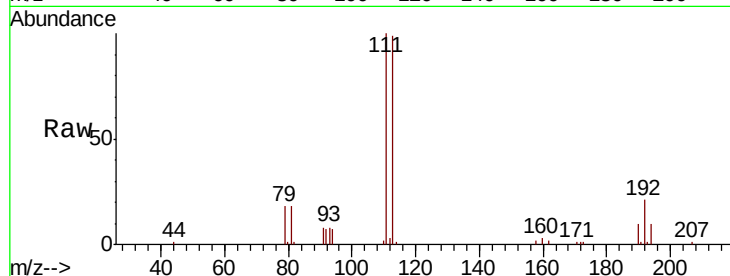




#35
 Dibromofluoromethane
 Concen: 63.368 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

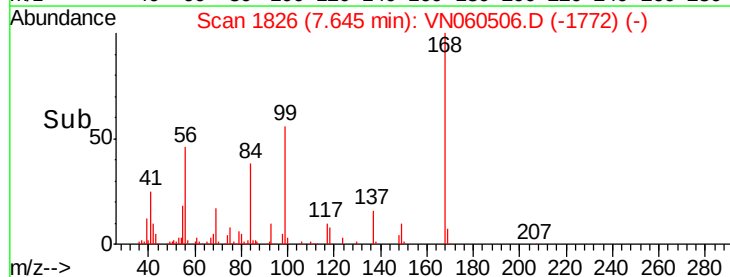
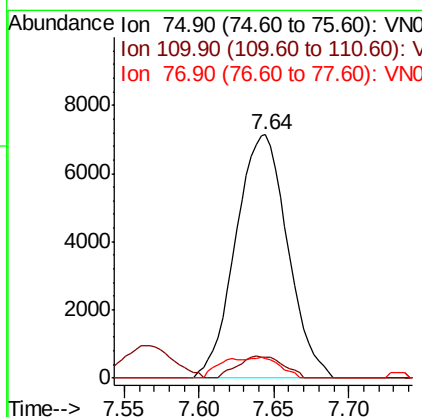
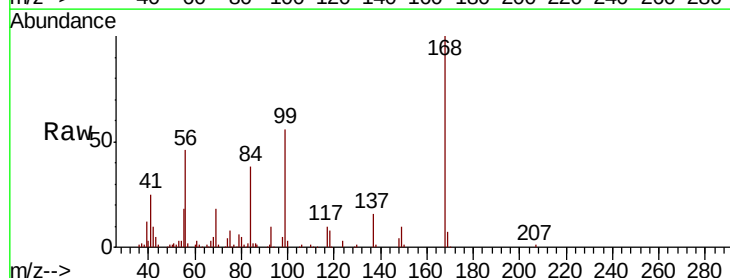
Instrument :
 MSVOA_N
 ClientSampled :
 TP-14-DA

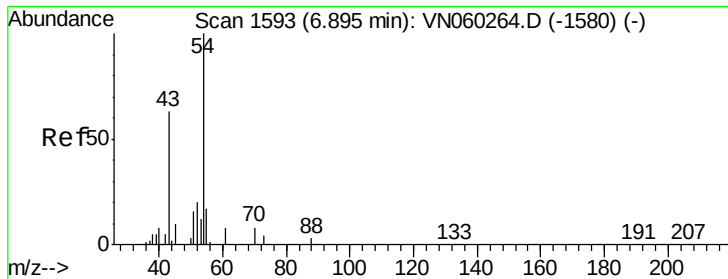
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	20.0	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.077 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.3	52.0#
77	0.0	24.2	36.2#

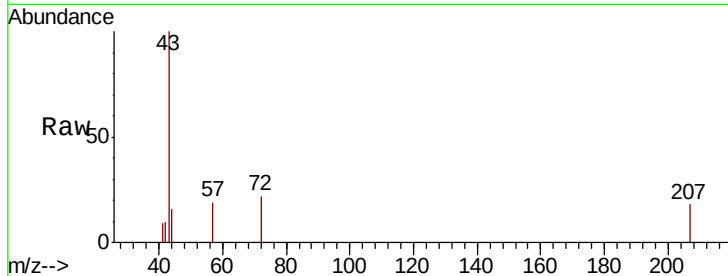




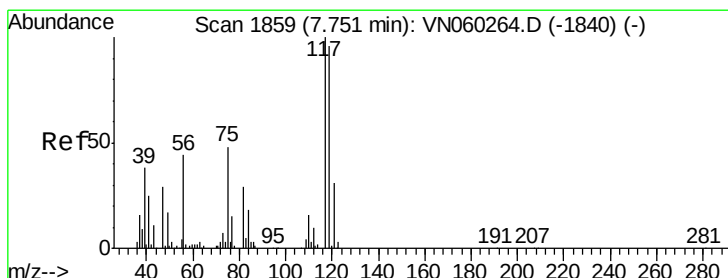
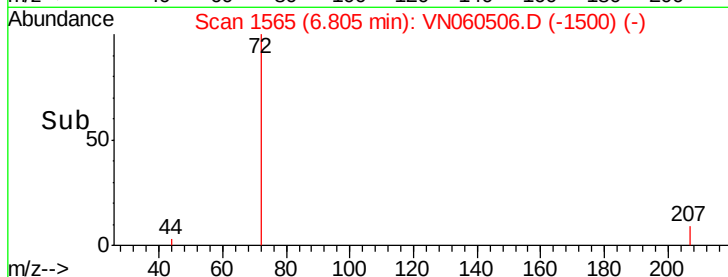
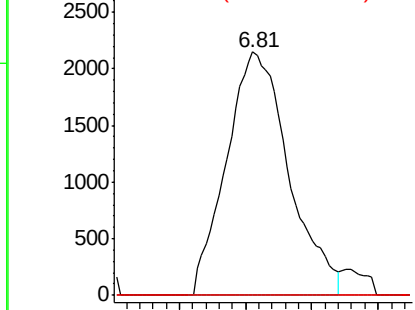
#37
Ethyl Acetate
Concen: 2.199 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Instrument :
MSVOA_N
ClientSampleId :
TP-14-DA

Tot Ion: 43 Resp: 7045
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#

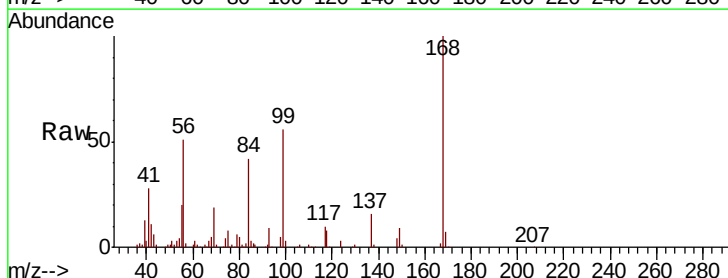


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

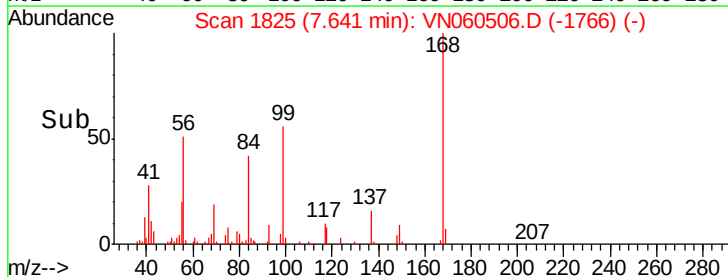
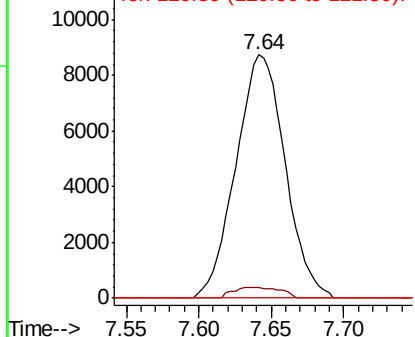


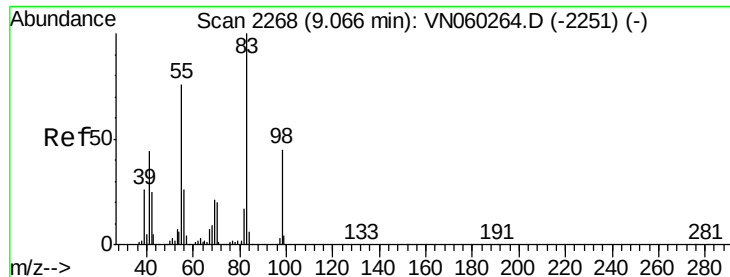
#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 117 Resp: 20652
Ion Ratio Lower Upper
117 100
119 4.4 76.7 115.1#
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

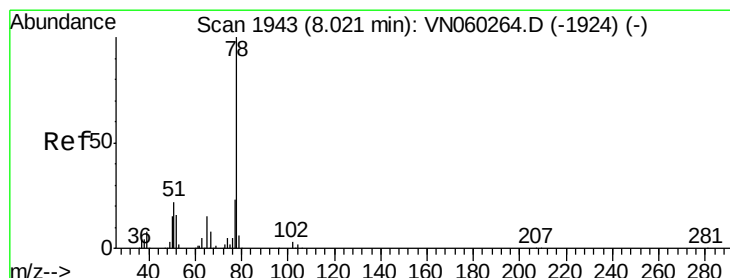
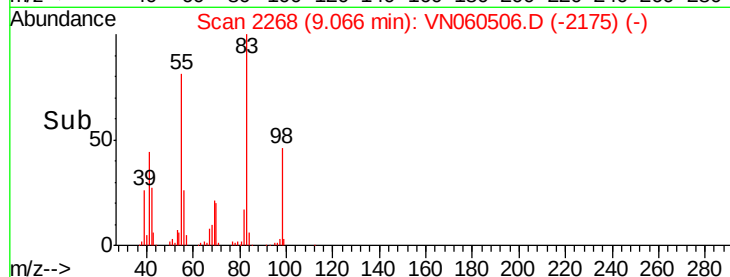
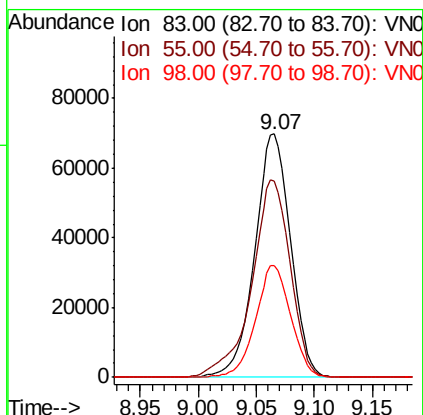
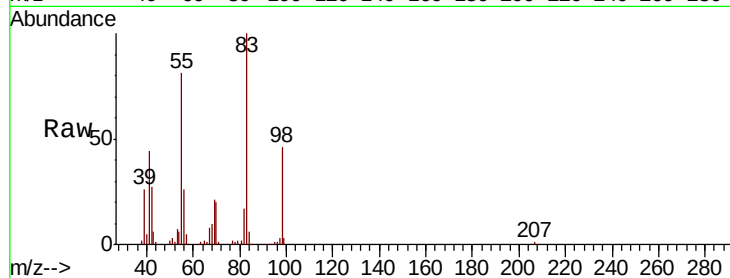




#39
Methylvlcyclohexane
Concen: 37.559 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

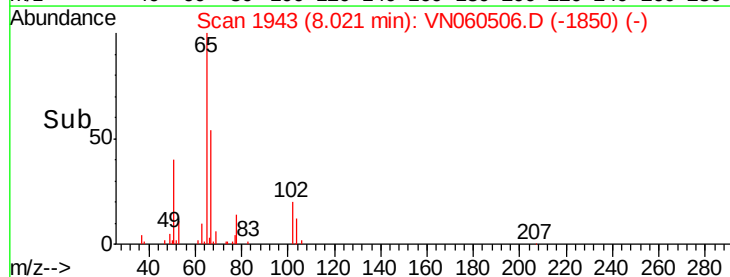
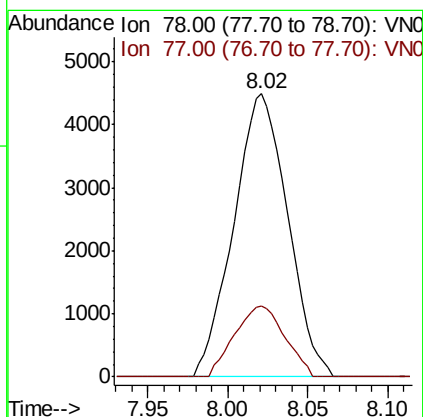
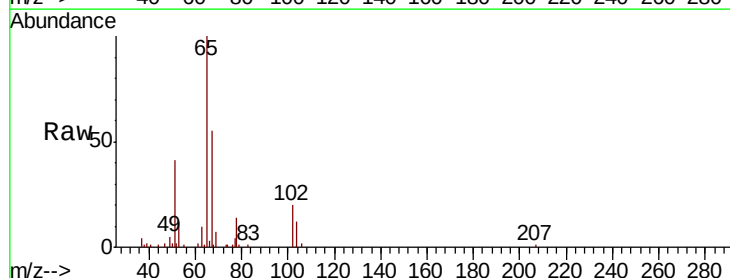
Instrument :
MSVOA_N
ClientSampleId :
TP-14-DA

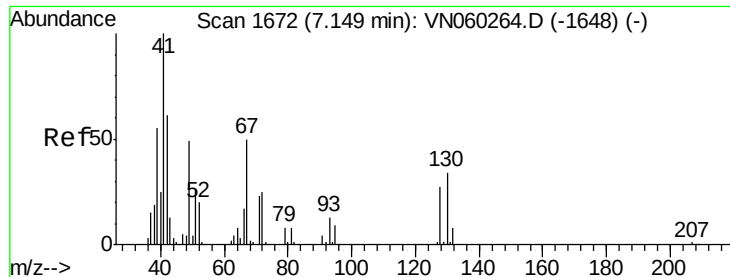
Tot Ion: 83 Resp: 149813
Ion Ratio Lower Upper
83 100
55 80.4 61.0 91.4
98 46.0 36.1 54.1



#40
Benzene
Concen: 1.054 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 78 Resp: 10378
Ion Ratio Lower Upper
78 100
77 24.9 18.8 28.2

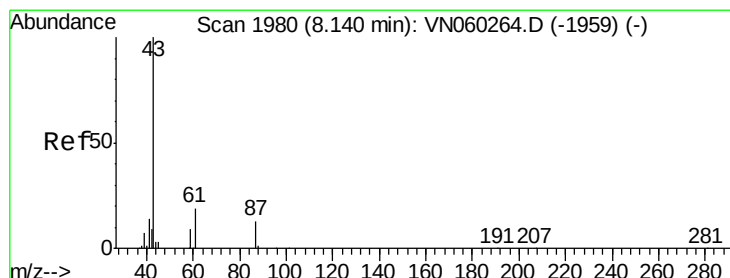
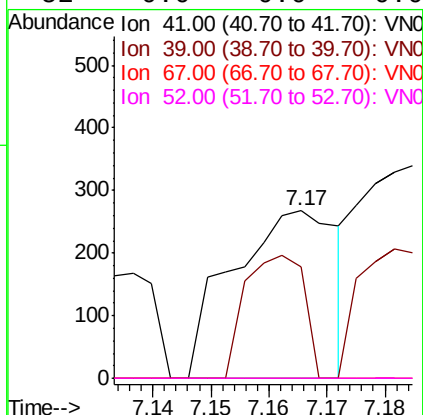
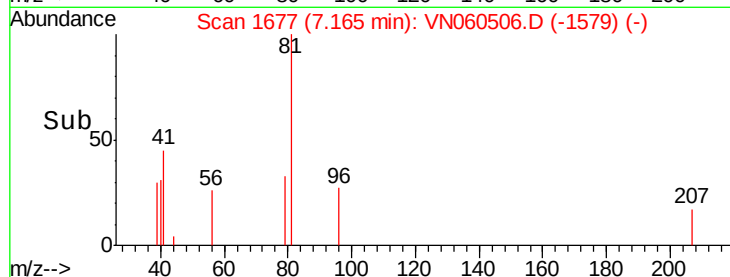
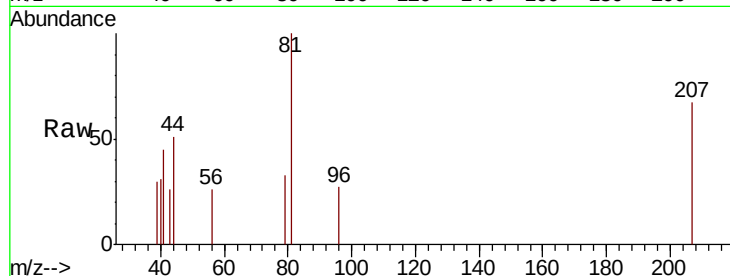




#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.02 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

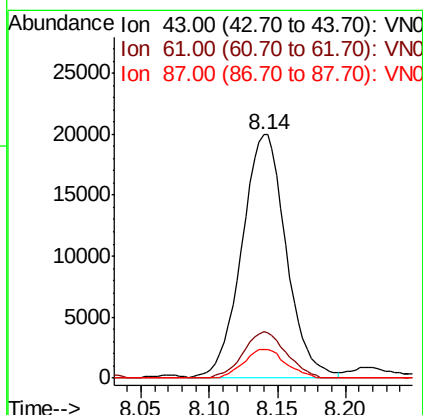
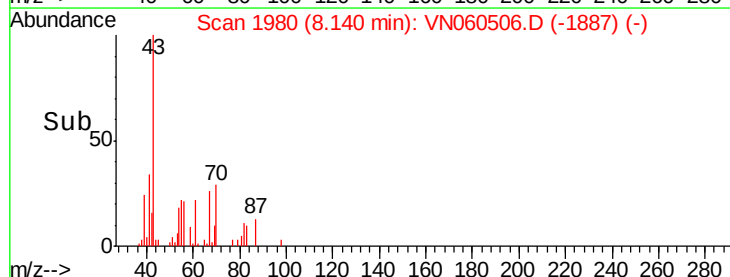
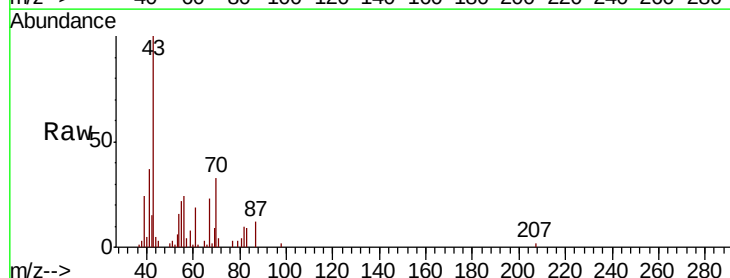
Instrument :
MSVOA_N
ClientSampled :
TP-14-DA

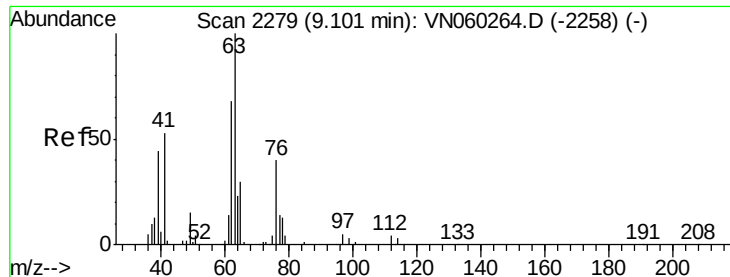
Tot Ion:	41	Resp:	337
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 8.065 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion:	43	Resp:	45226
Ion	Ratio	Lower	Upper
43	100		
61	18.3	20.9	31.3#
87	11.1	10.6	16.0





#45

1,2-Dichloropropane

Concen: 0.583 ug/l

RT: 9.06 min Scan# 2266

Delta R.T. -0.04 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

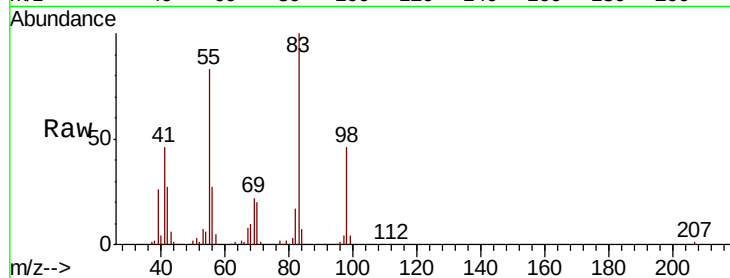
TP-14-DA

Tot Ion: 63 Resp: 1501

Ion Ratio Lower Upper

63 100

65 168.1 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

1500

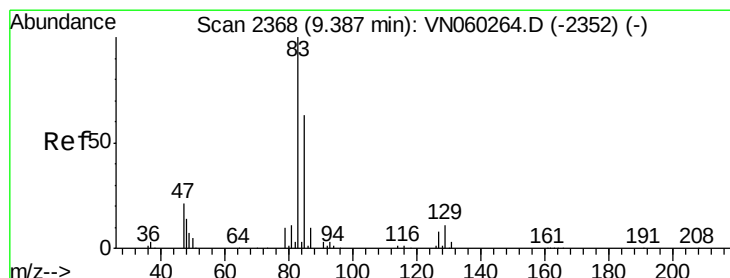
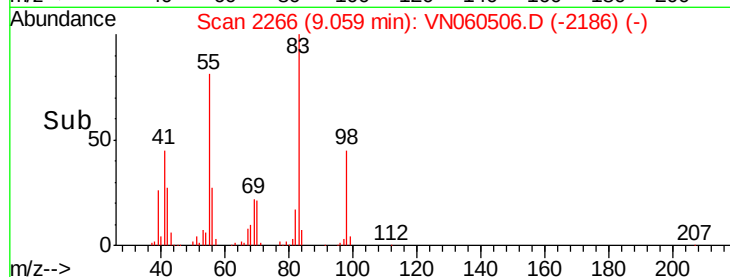
1000

500

0

9.00 9.05 9.10

Time-->



#47

Bromodichloromethane

Concen: 0.370 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

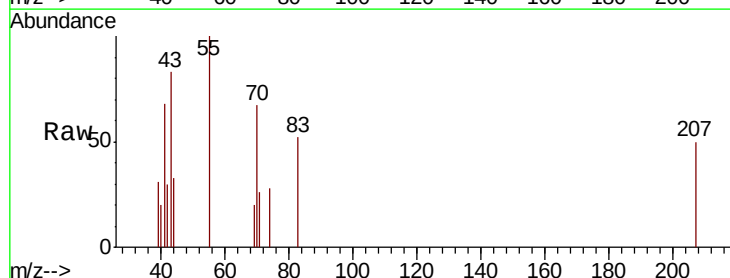
Tgt Ion: 83 Resp: 1256

Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#

127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

1000

800

600

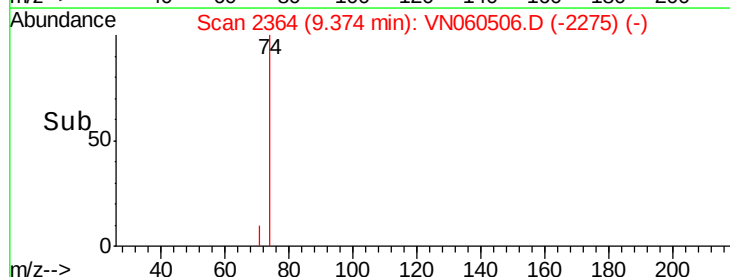
400

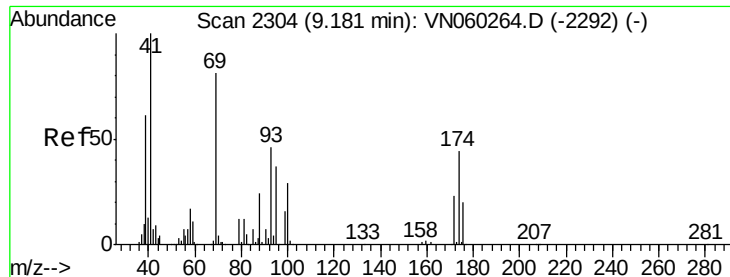
200

0

9.30 9.35 9.40

Time-->

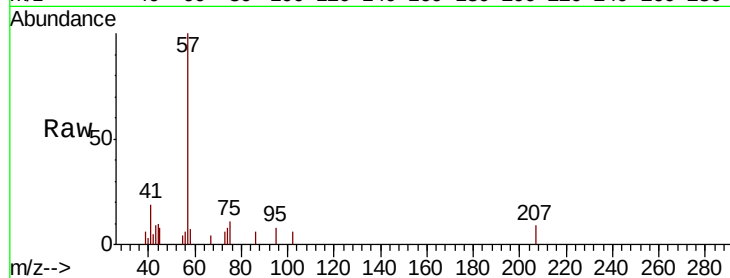




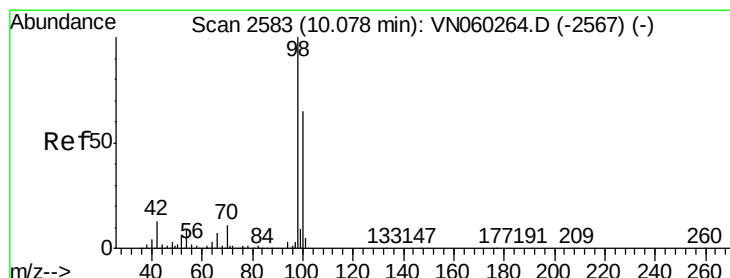
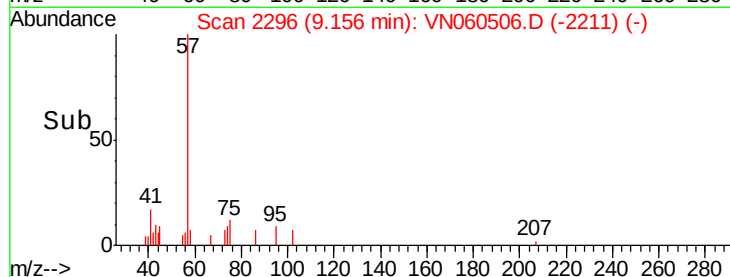
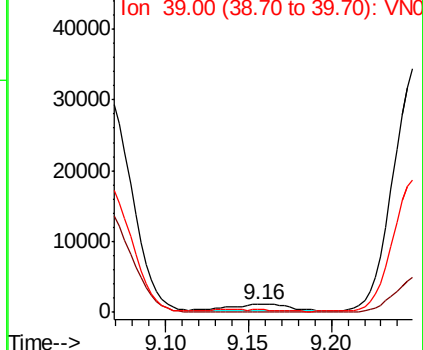
#48
Methvl methacrylate
Concen: 0.900 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Instrument :
MSVOA_N
ClientSampled :
TP-14-DA

Tot Ion: 41 Resp: 2301
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

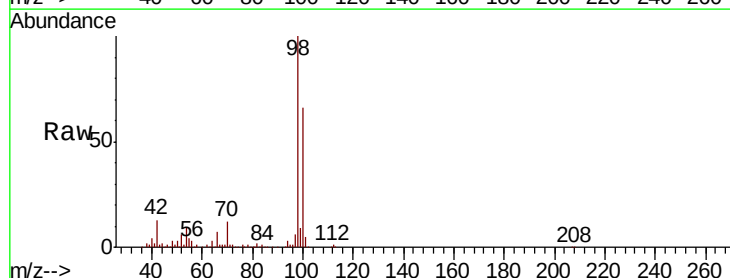


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

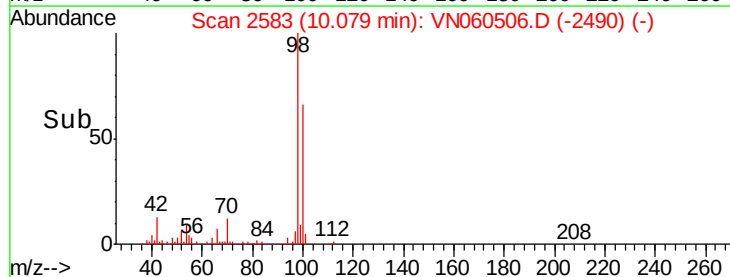
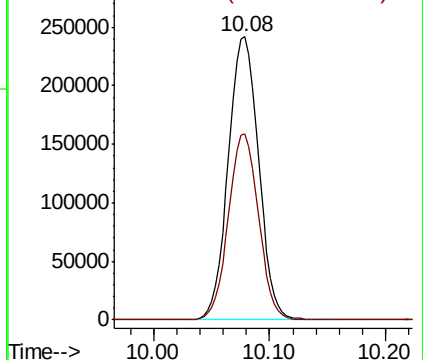


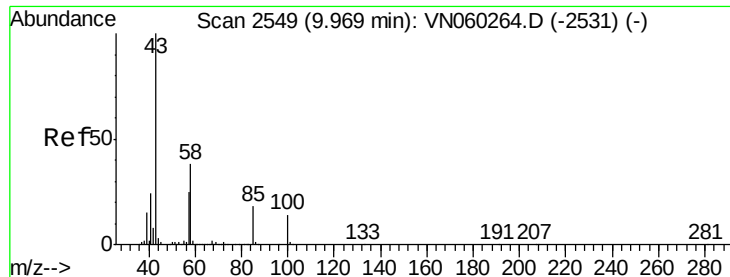
#50
Toluene-d8
Concen: 52.851 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 98 Resp: 440729
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

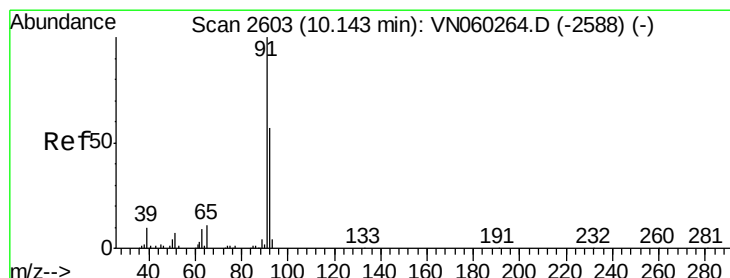
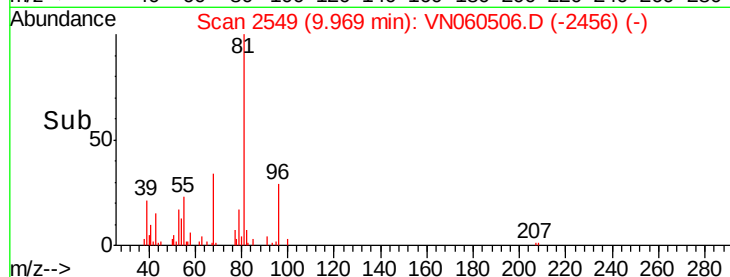
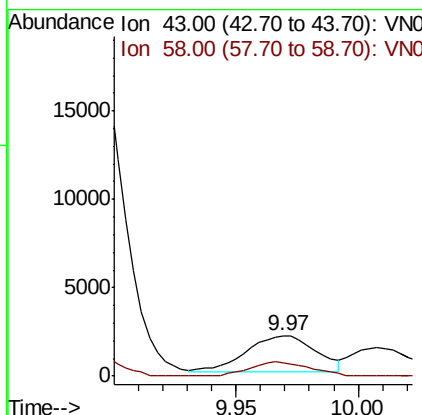
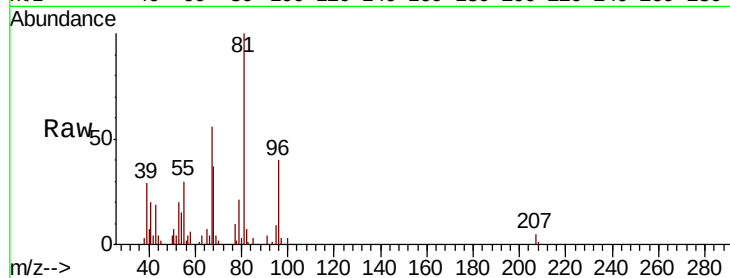




#51
 4-Methyl-2-Pentanone
 Concen: 1.236 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

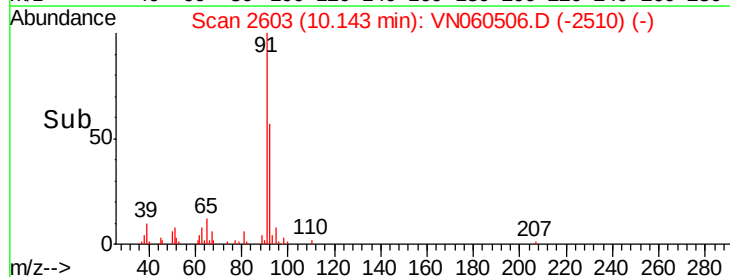
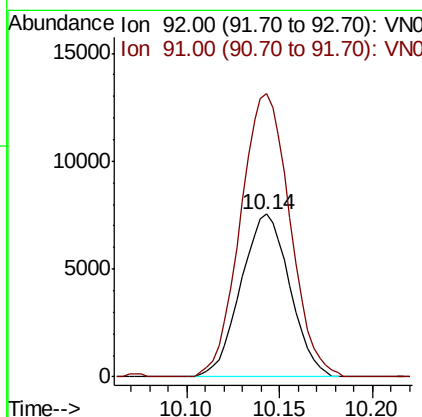
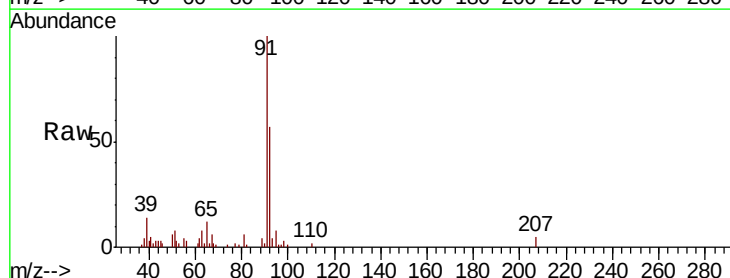
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-DA

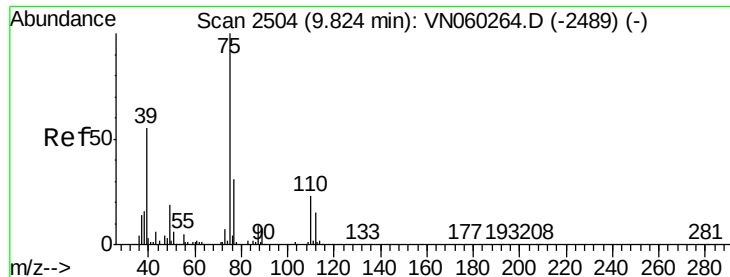
Tot Ion: 43 Resp: 3931
 Ion Ratio Lower Upper
 43 100
 58 35.1 30.9 46.3



#52
 Toluene
 Concen: 2.244 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

Tgt Ion: 92 Resp: 13877
 Ion Ratio Lower Upper
 92 100
 91 176.0 138.1 207.1





#54

cis-1,3-Dichloropropene

Concen: 4.010 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

TP-14-DA

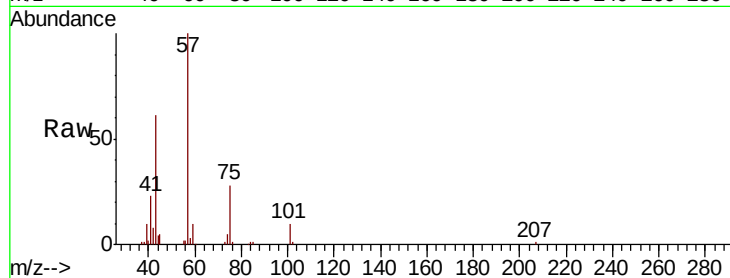
Tot Ion: 75 Resp: 17296

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

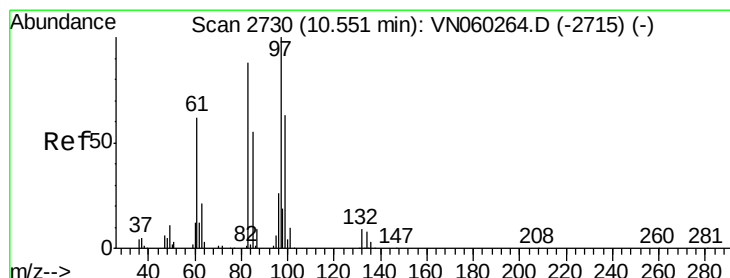
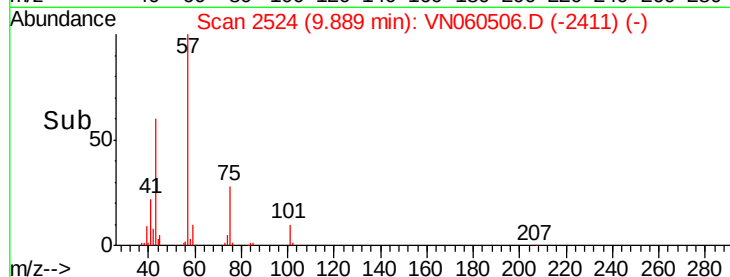
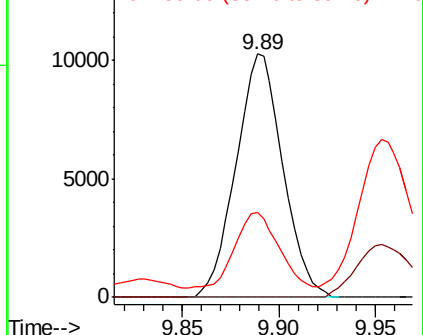
39 30.8 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#55

1,1,2-Trichloroethane

Concen: 4.167 ug/l

RT: 10.52 min Scan# 2721

Delta R.T. -0.03 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Tgt Ion: 97 Resp: 10364

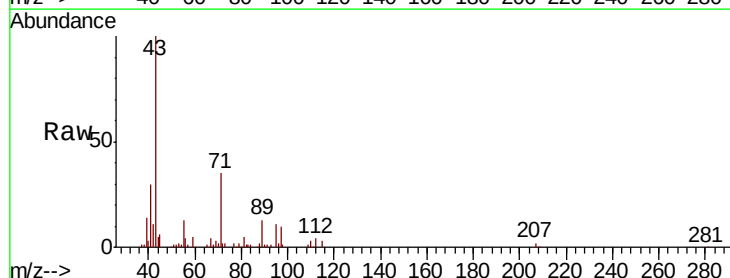
Ion Ratio Lower Upper

97 100

83 9.6 70.0 105.0#

85 0.0 44.0 66.0#

99 0.0 50.4 75.6#

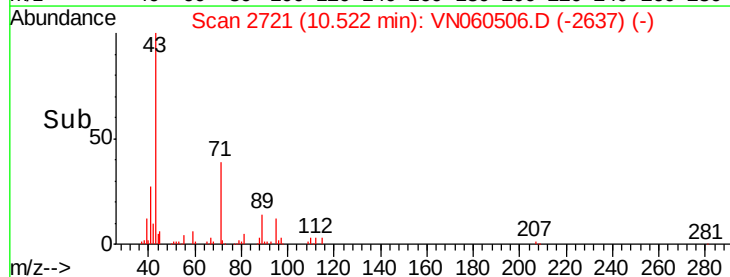
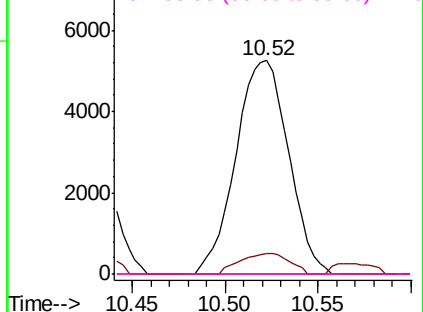


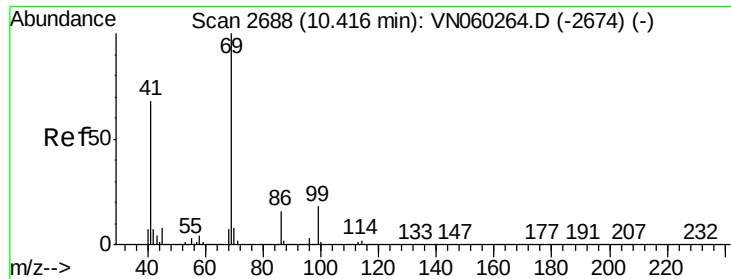
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.977 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

TP-14-DA

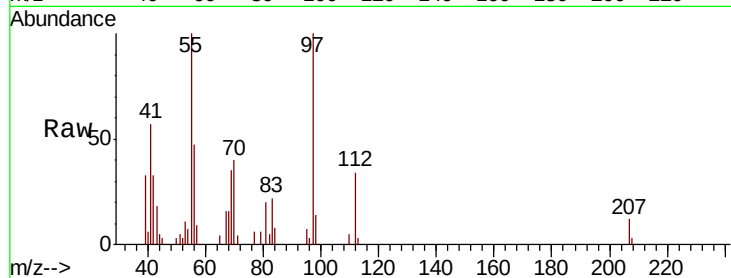
Tot Ion: 69 Resp: 3490

Ion Ratio Lower Upper

69 100

41 160.2 54.1 81.1#

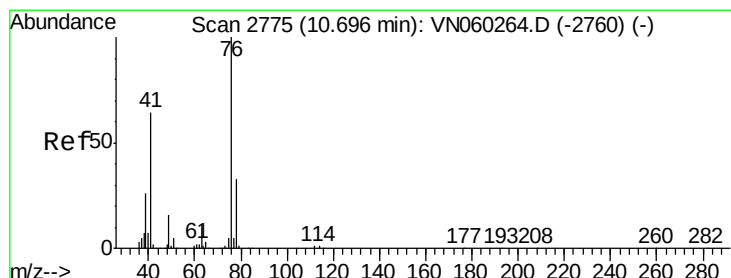
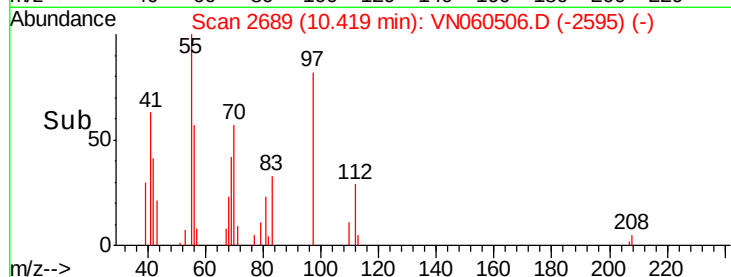
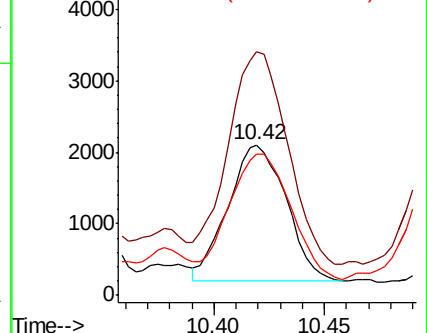
39 98.5 32.5 48.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.655 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060506.D

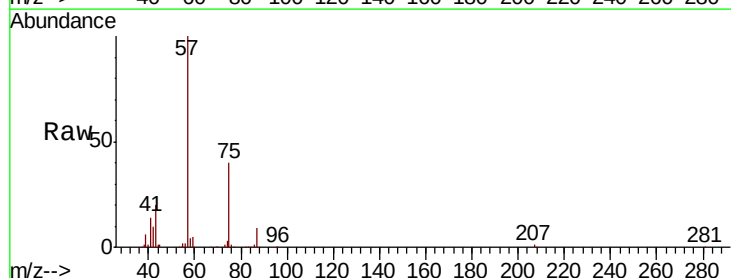
Acq: 13 Mar 2020 16:35

Tgt Ion: 76 Resp: 2655

Ion Ratio Lower Upper

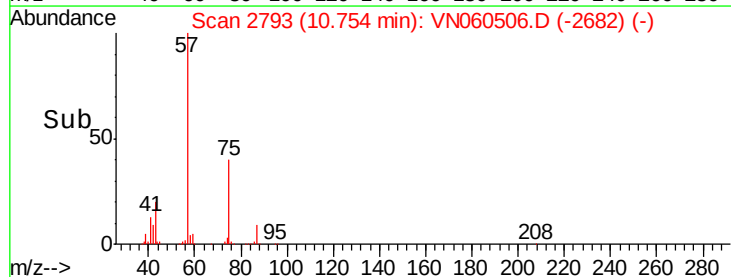
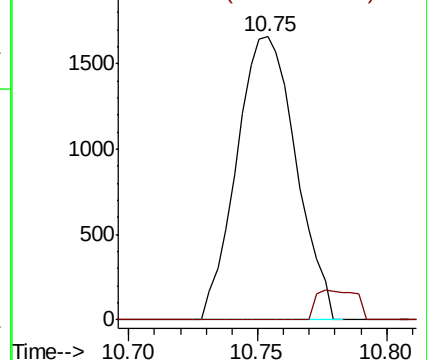
76 100

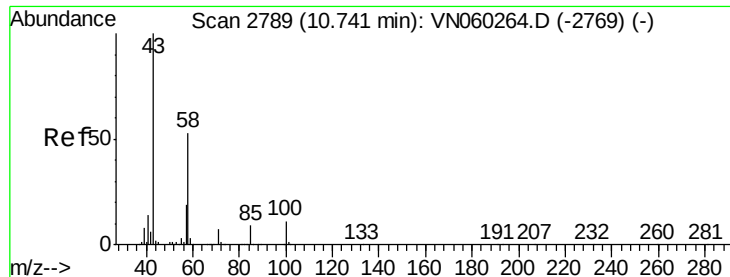
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

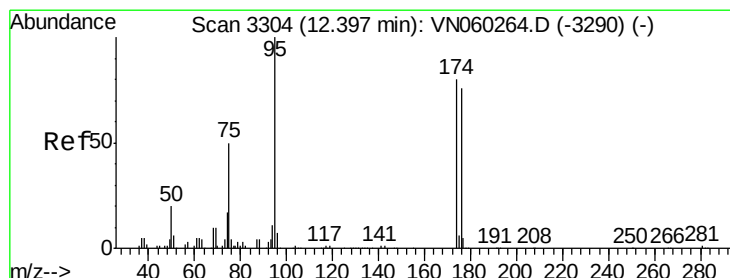
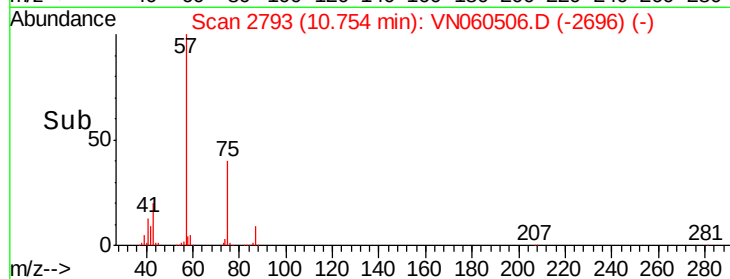
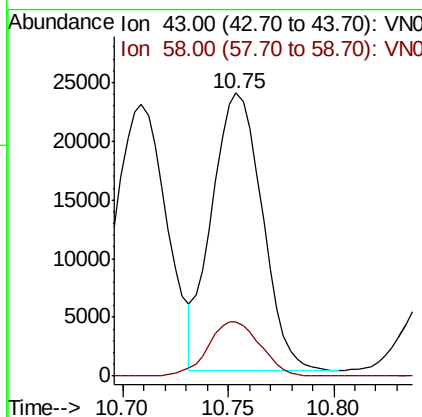
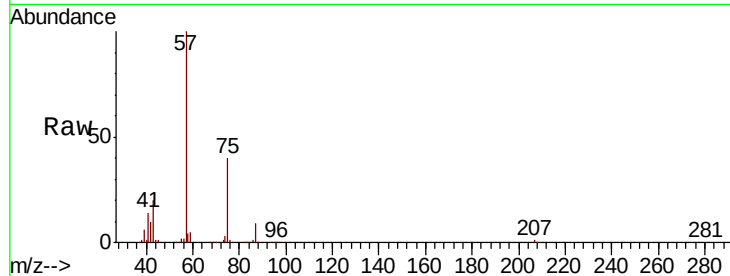




#59
2-Hexanone
Concen: 16.840 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

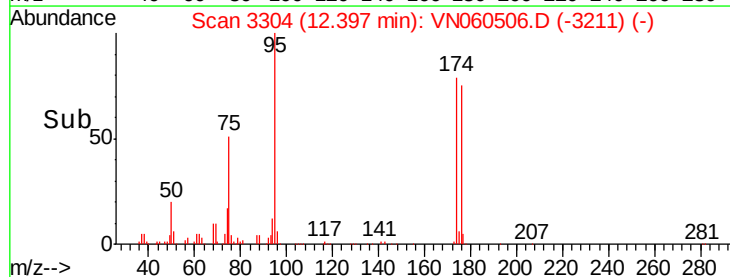
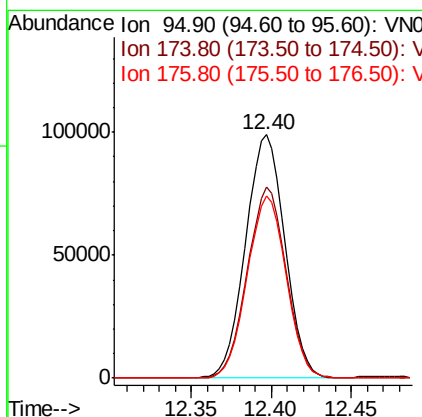
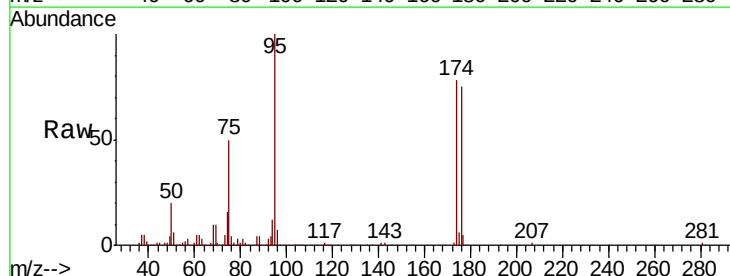
Instrument :
MSVOA_N
ClientSampled :
TP-14-DA

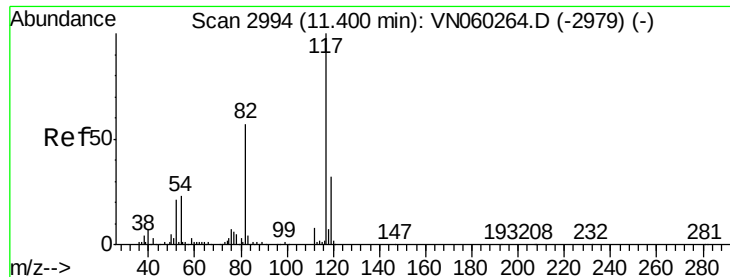
Tot Ion: 43 Resp: 39314
Ion Ratio Lower Upper
43 100
58 20.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.237 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 95 Resp: 165126
Ion Ratio Lower Upper
95 100
174 78.2 0.0 159.2
176 75.0 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

TP-14-DA

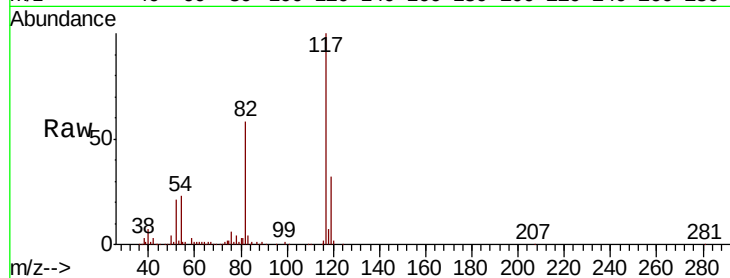
Tot Ion:117 Resp: 328957

Ion Ratio Lower Upper

117 100

82 58.1 45.8 68.6

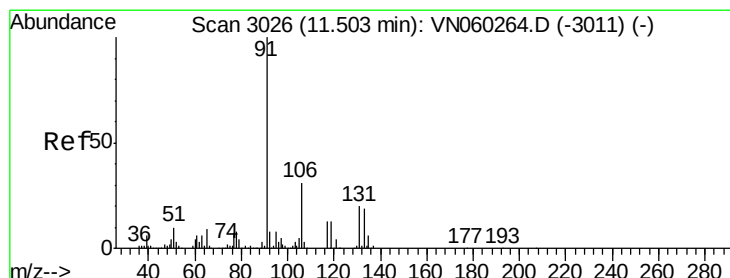
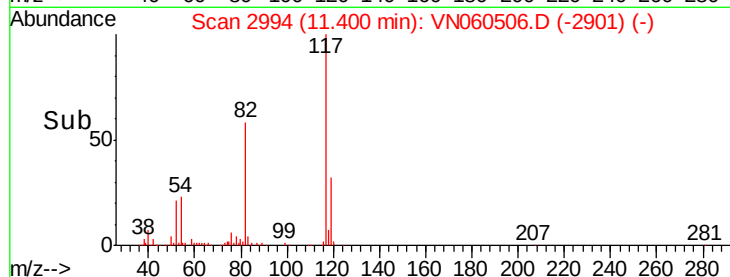
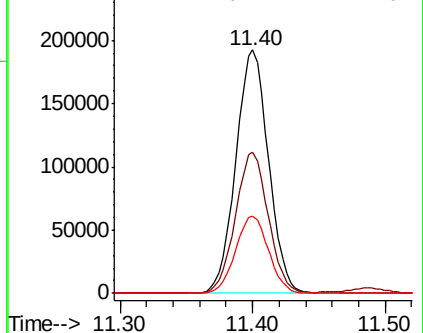
119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 25.479 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060506.D

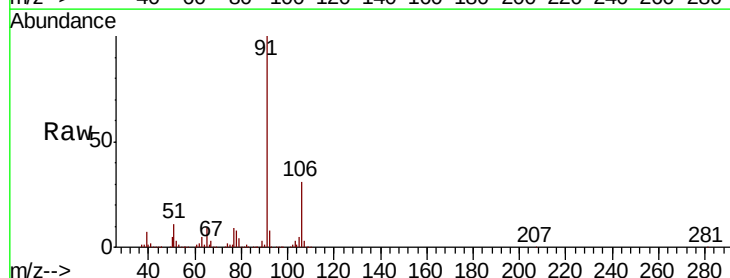
Acq: 13 Mar 2020 16:35

Tgt Ion: 91 Resp: 308209

Ion Ratio Lower Upper

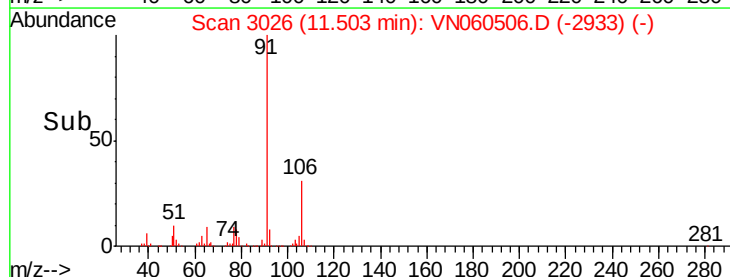
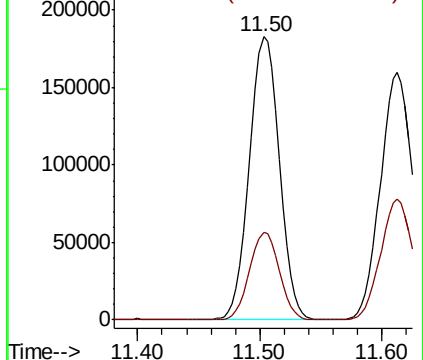
91 100

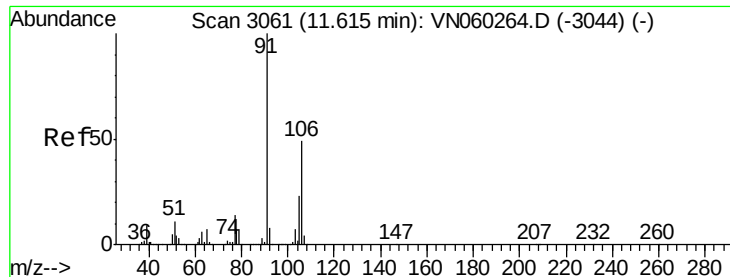
106 30.9 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

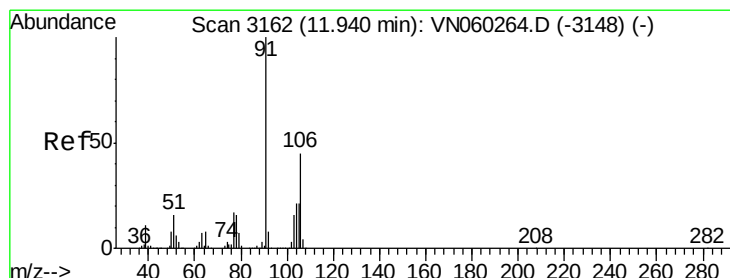
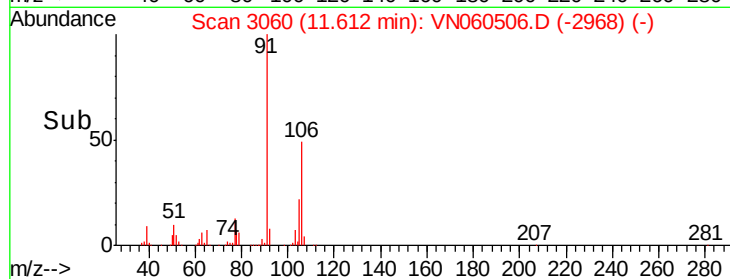
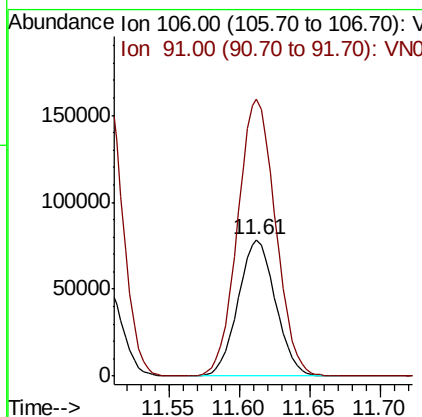
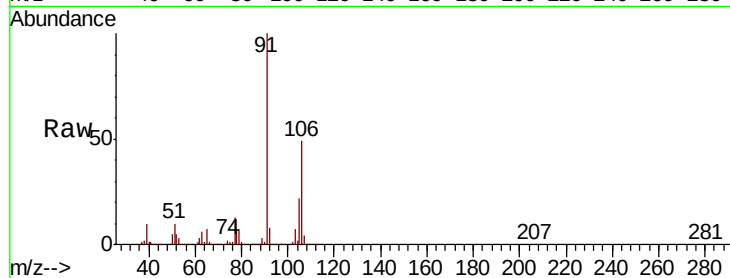




#68
m/p-Xylenes
Concen: 31.921 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

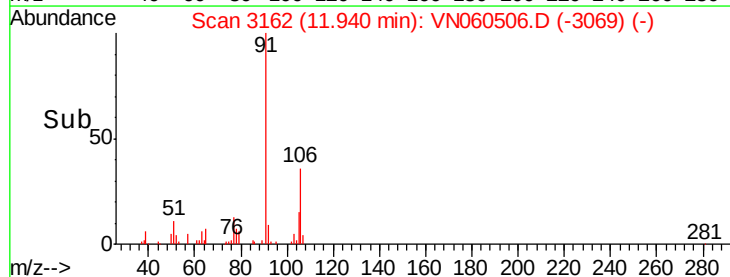
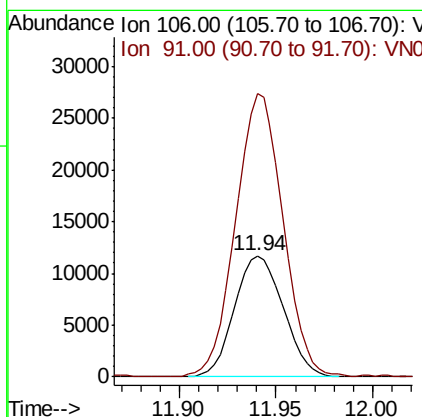
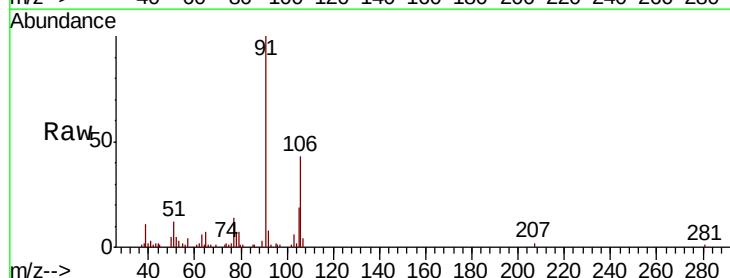
Instrument :
MSVOA_N
ClientSampled :
TP-14-DA

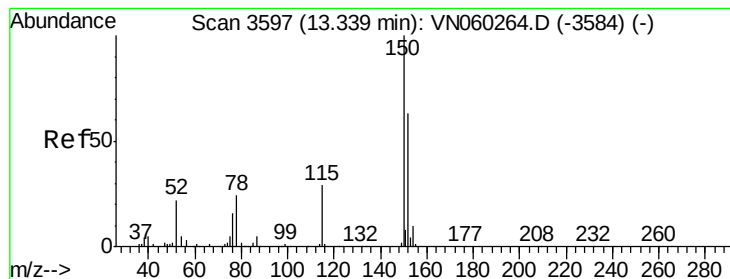
Tot Ion:106 Resp: 145683
Ion Ratio Lower Upper
106 100
91 205.2 164.5 246.7



#69
o-Xylene
Concen: 4.716 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion:106 Resp: 20524
Ion Ratio Lower Upper
106 100
91 227.3 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

TP-14-DA

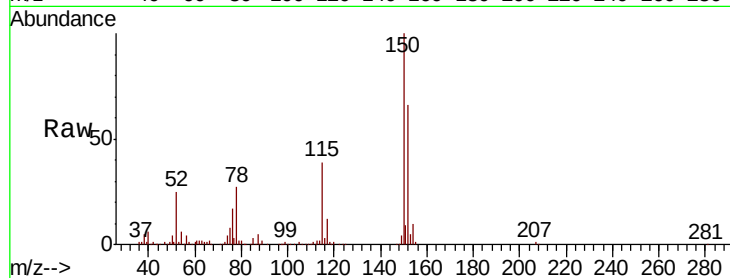
Tot Ion:152 Resp: 157169

Ion Ratio Lower Upper

152 100

115 62.8 30.0 90.0

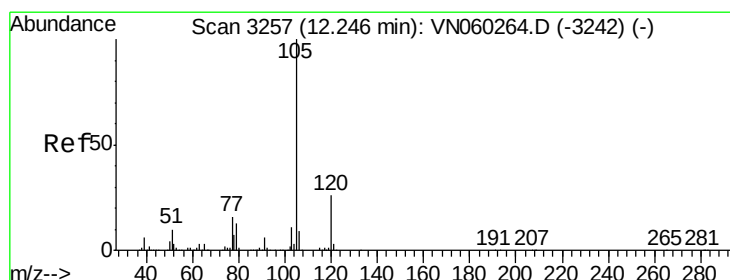
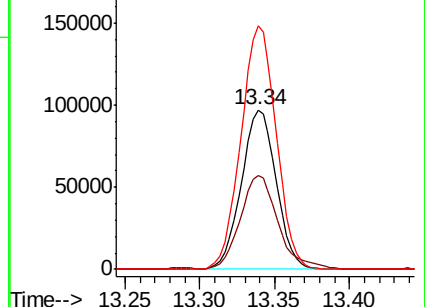
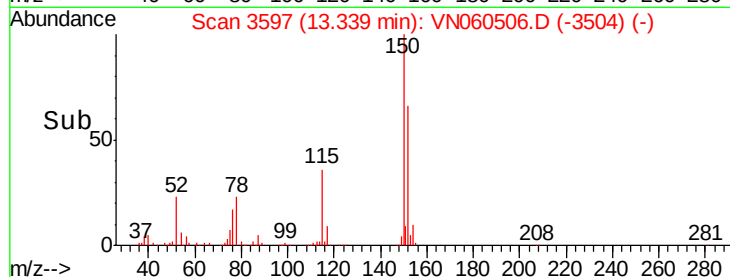
150 154.9 0.0 349.6



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: 8.308 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060506.D

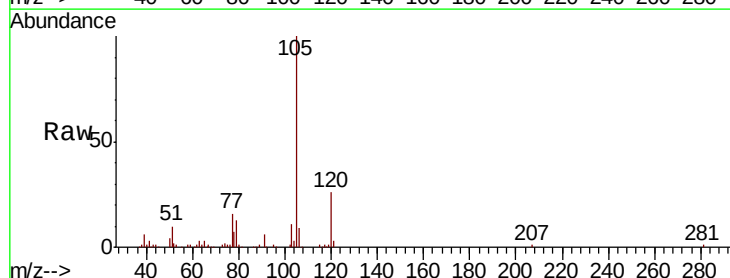
Acq: 13 Mar 2020 16:35

Tgt Ion:105 Resp: 96778

Ion Ratio Lower Upper

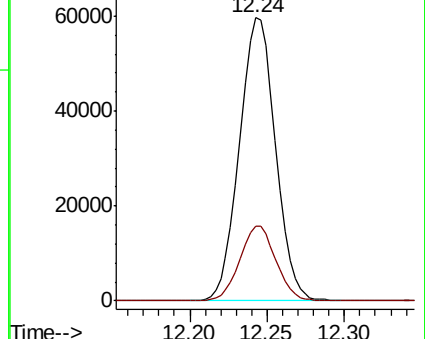
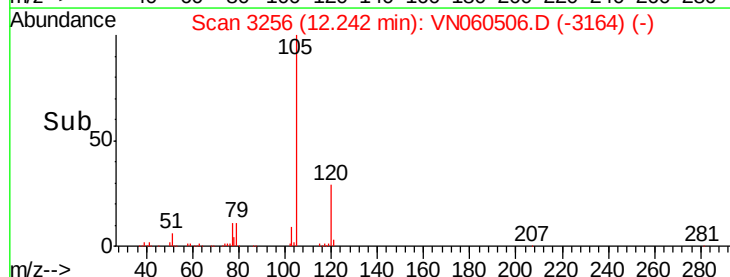
105 100

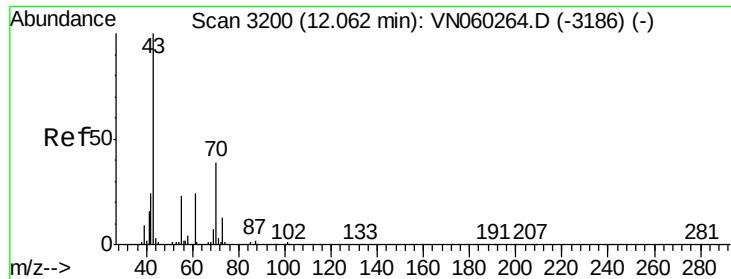
120 26.4 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

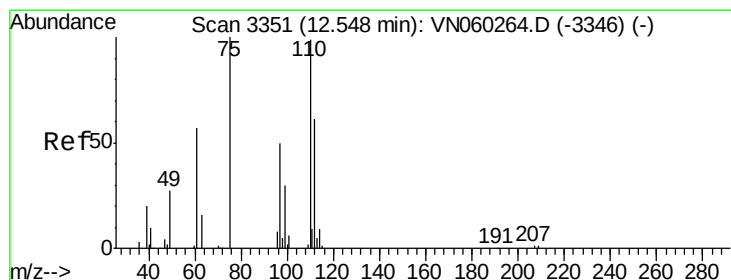
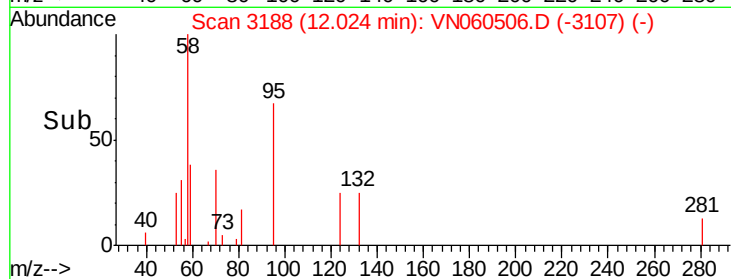
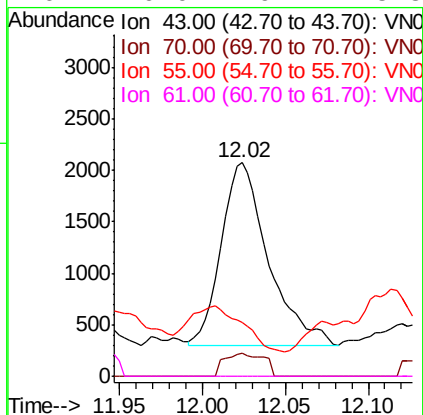
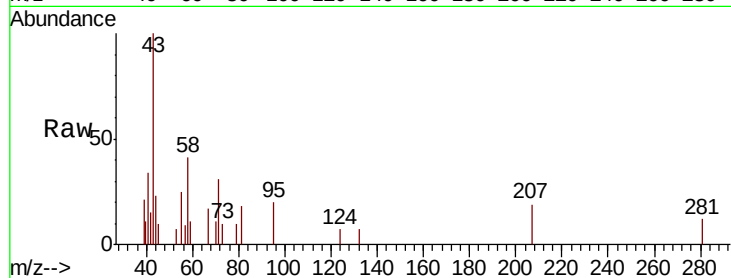




#74
N-amyl acetate
Concen: 0.690 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

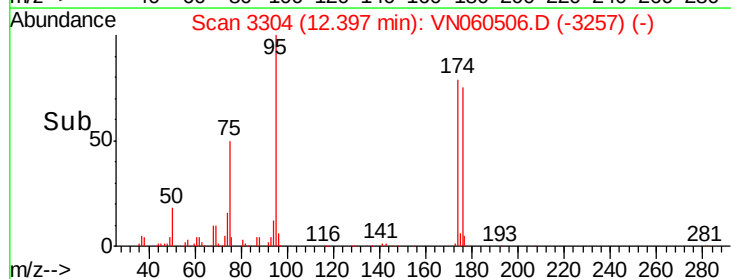
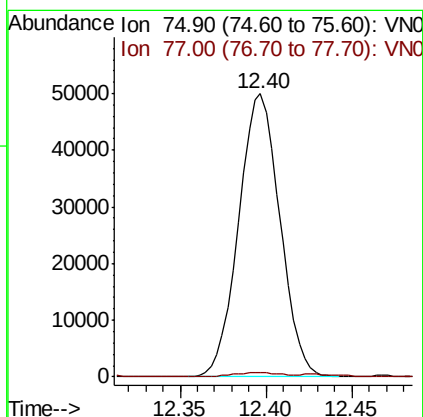
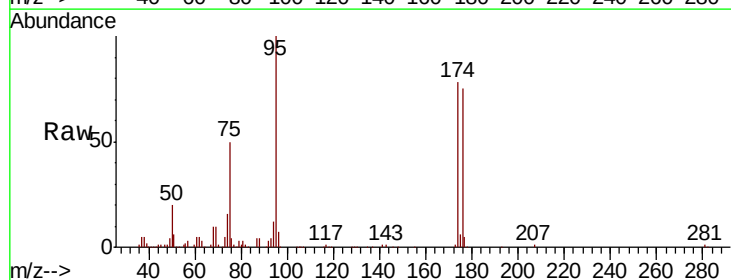
Instrument :
MSVOA_N
ClientSampled :
TP-14-DA

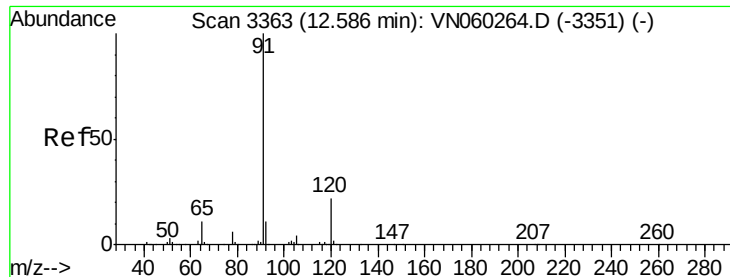
Tot Ion: 43 Resp: 3512
Ion Ratio Lower Upper
43 100
70 10.4 32.2 48.2#
55 29.4 18.2 27.4#
61 0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 24.213 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 75 Resp: 83492
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#78

n-propylbenzene

Concen: 5.850 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

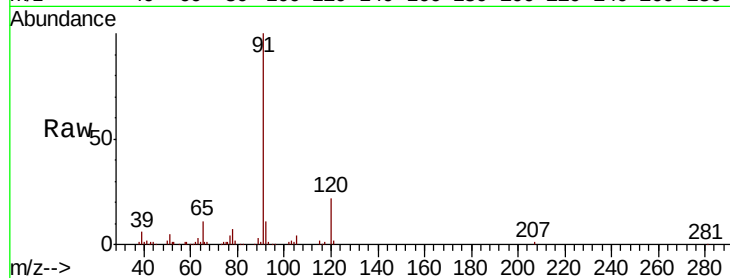
TP-14-DA

Tot Ion: 91 Resp: 79885

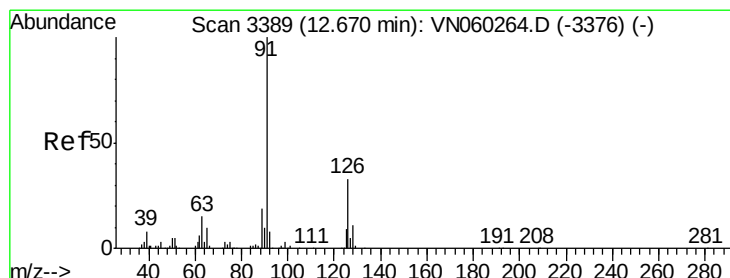
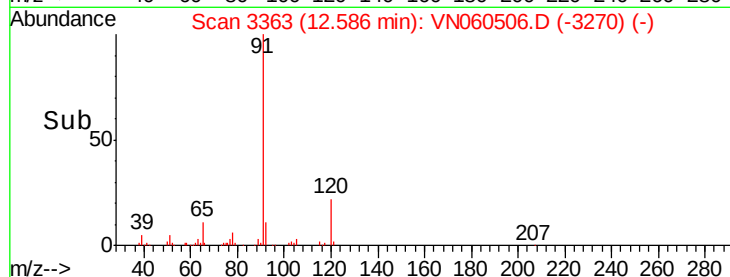
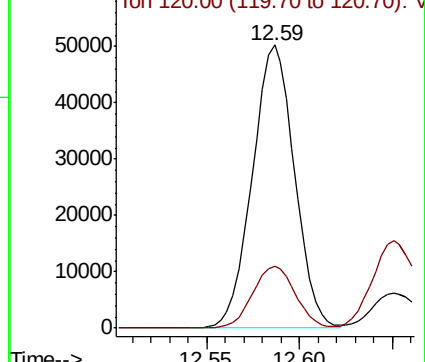
Ion Ratio Lower Upper

91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN060506.D (-3351) (-)



#79

2-Chlorotoluene

Concen: 0.933 ug/l

RT: 12.68 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VN060506.D

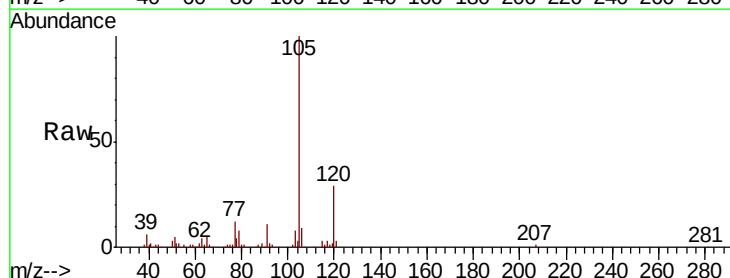
Acq: 13 Mar 2020 16:35

Tgt Ion: 91 Resp: 7492

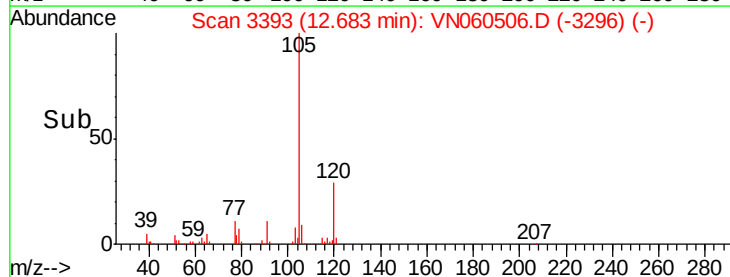
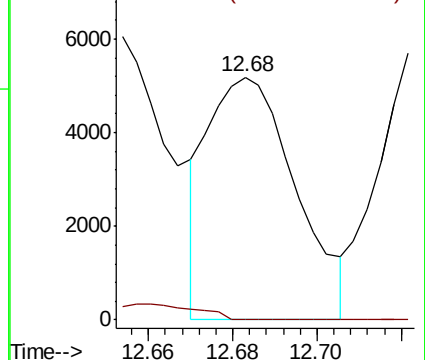
Ion Ratio Lower Upper

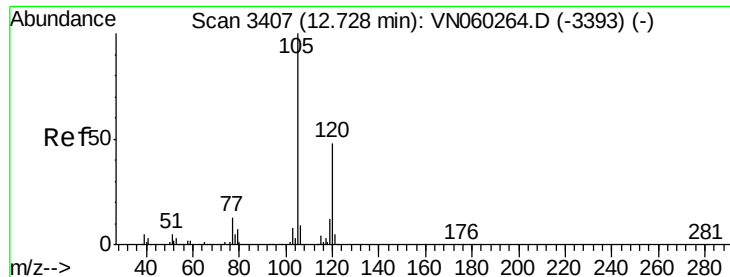
91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN060506.D (-3376) (-)

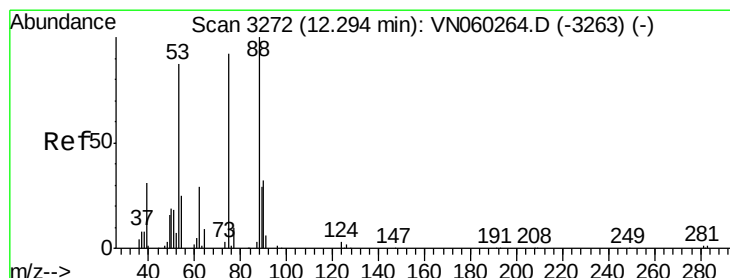
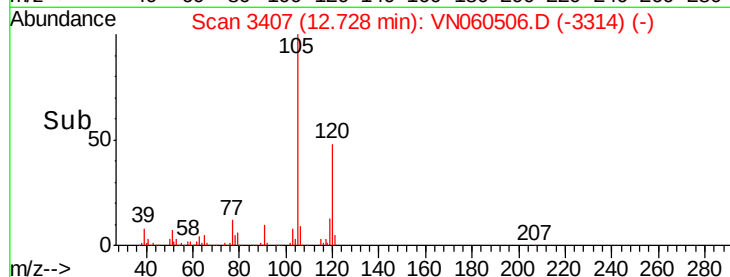
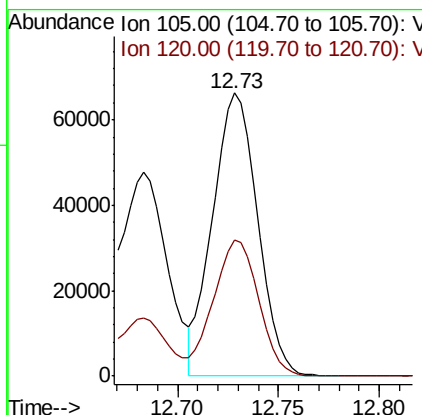
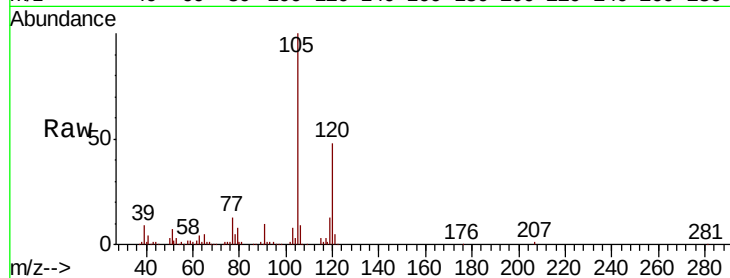




#80
 1,3,5-Trimethylbenzene
 Concen: 10.528 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

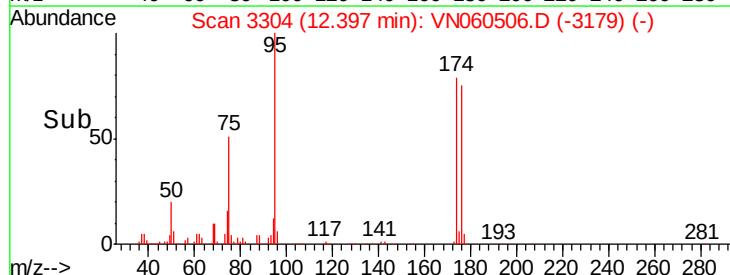
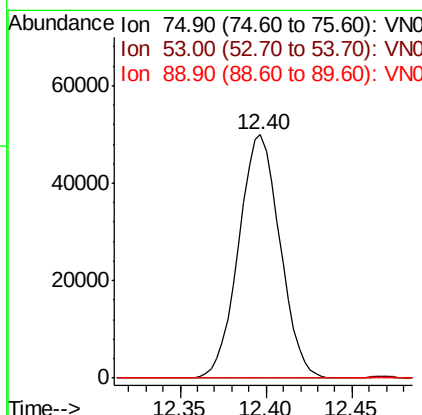
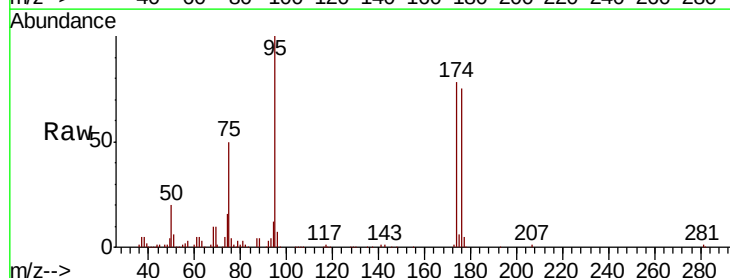
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-DA

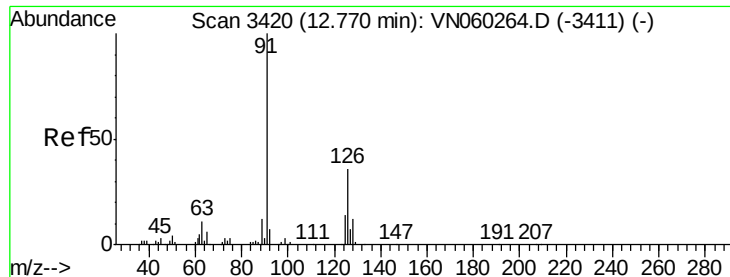
Tot Ion:105 Resp: 103262
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.838 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

Tgt Ion: 75 Resp: 83492
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.8 110.6#
 89 0.0 57.1 85.7#





#82

4-Chlorotoluene

Concen: 1.328 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.04 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

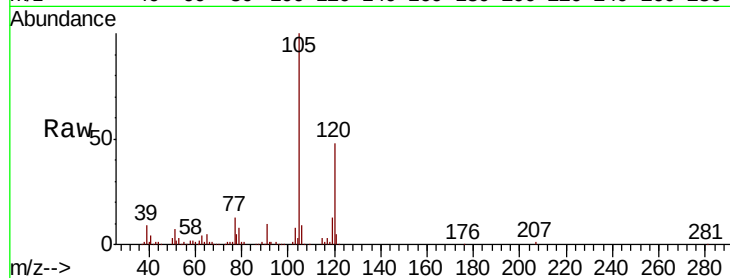
TP-14-DA

Tot Ion: 91 Resp: 11229

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#



Abundance Ion 91.00 (90.70 to 91.70): VN060506.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060506.D (-3327) (-)

12.73

6000

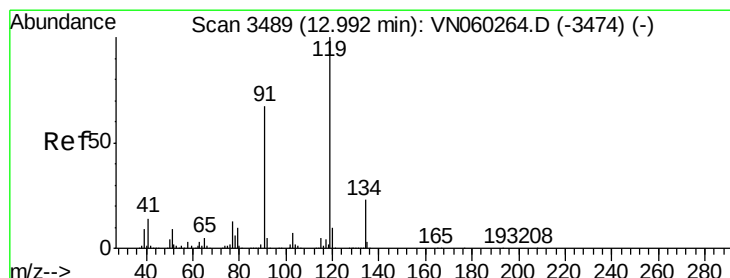
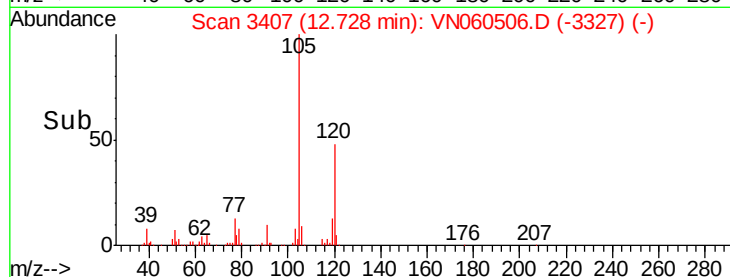
4000

2000

0

Time-->

12.70 12.75



#83

tert-Butylbenzene

Concen: 0.312 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

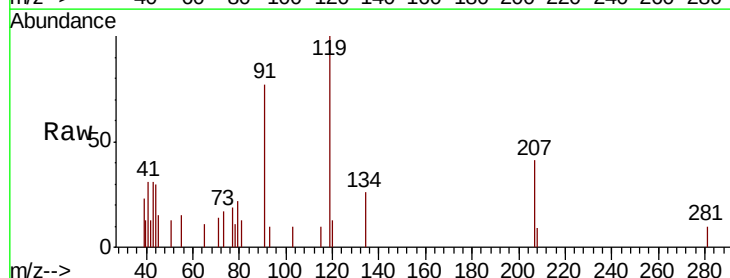
Tgt Ion: 119 Resp: 2653

Ion Ratio Lower Upper

119 100

91 87.3 33.1 99.2

134 22.2 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): VN060506.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN060506.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN060506.D (-3396) (-)

15000

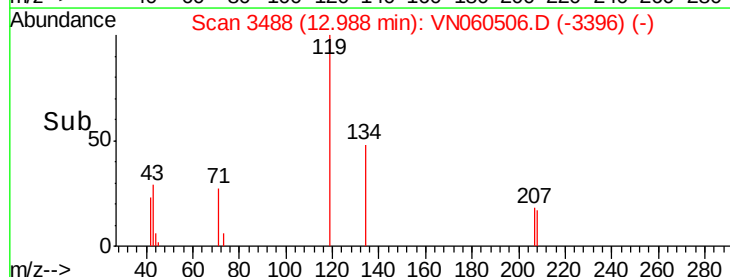
10000

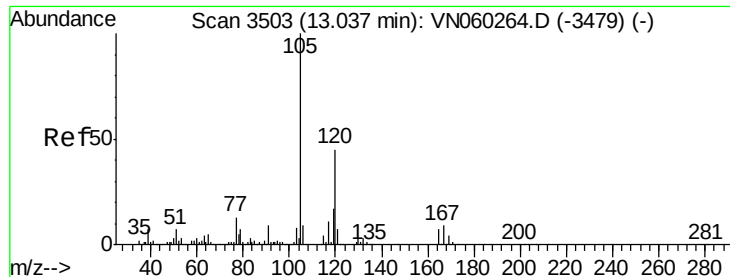
5000

0

Time-->

12.95 13.00

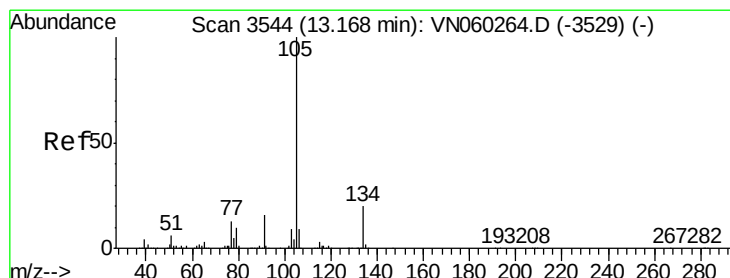
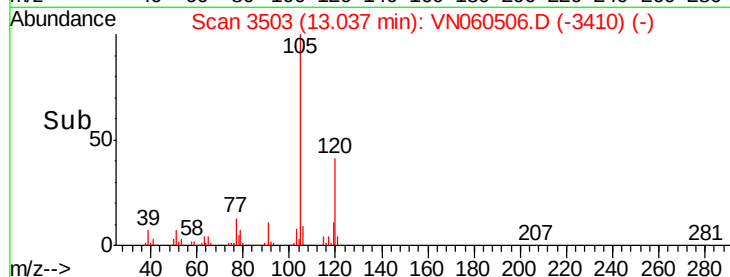
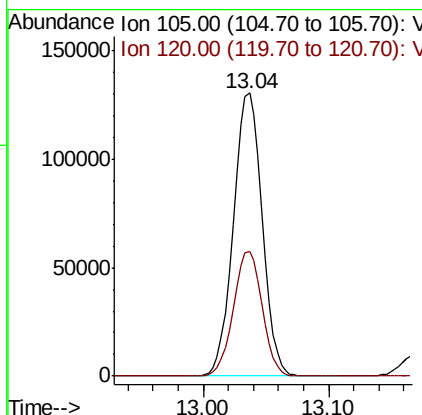
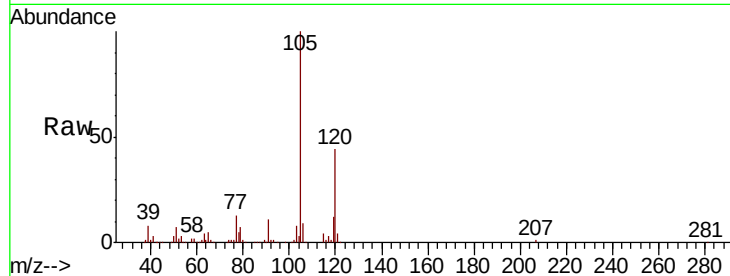




#84
 1,2,4-Trimethylbenzene
 Concen: 20.978 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

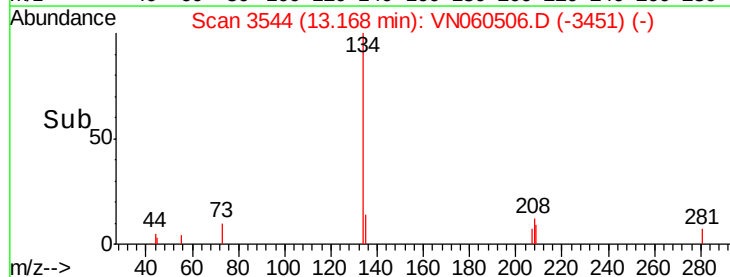
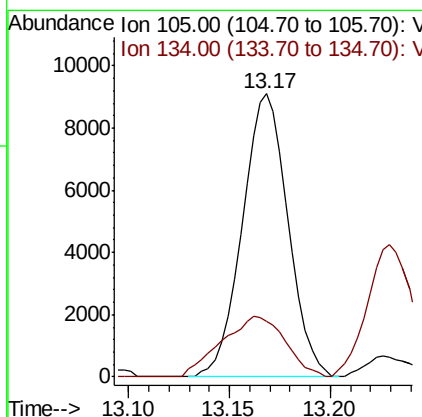
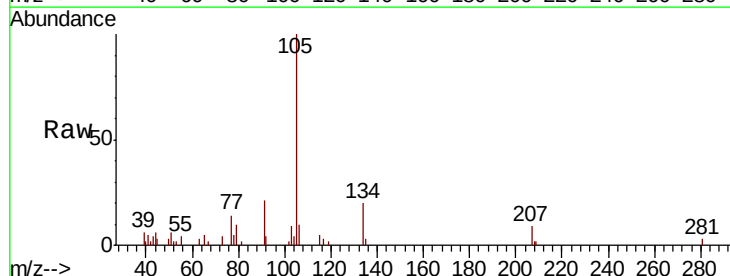
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-DA

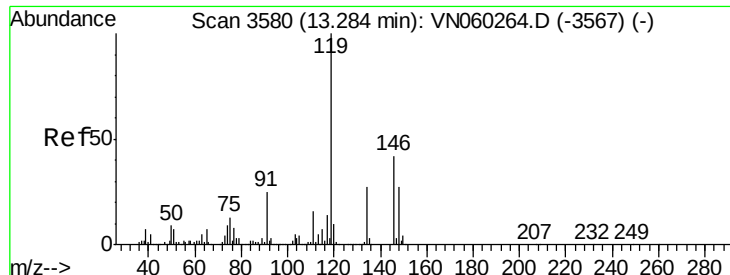
Tot Ion:105 Resp: 207673
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.3 66.9



#85
 sec-Butylbenzene
 Concen: 1.267 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060506.D
 Acq: 13 Mar 2020 16:35

Tgt Ion:105 Resp: 14409
 Ion Ratio Lower Upper
 105 100
 134 29.4 9.8 29.5

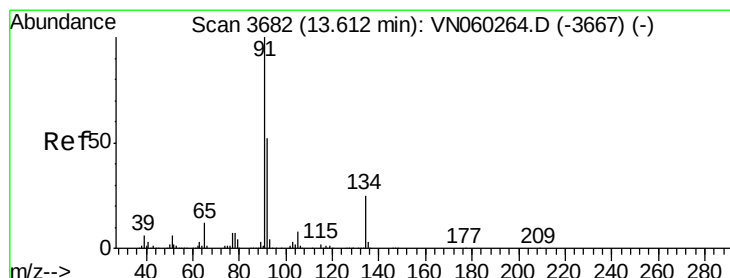
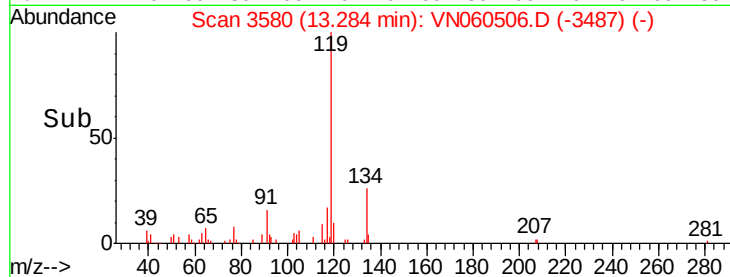
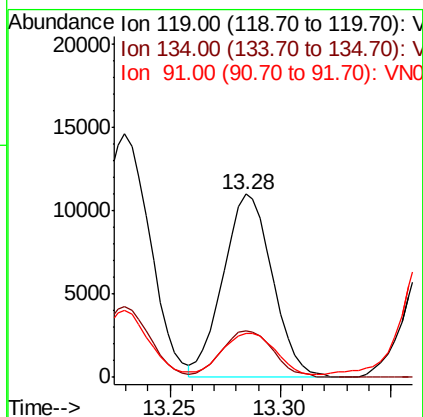
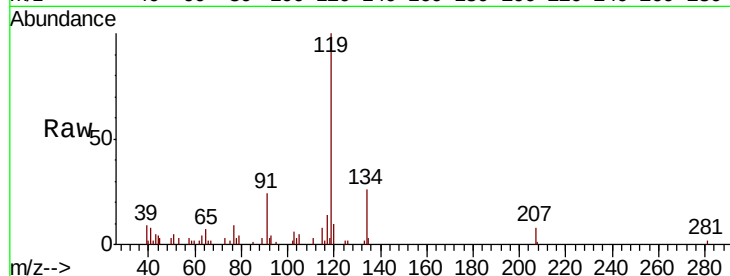




#86
p-Isopropyltoluene
Concen: 1.622 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

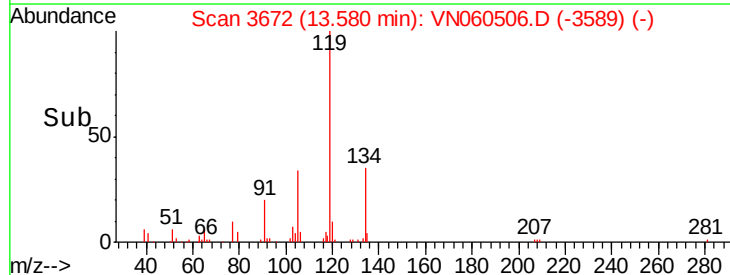
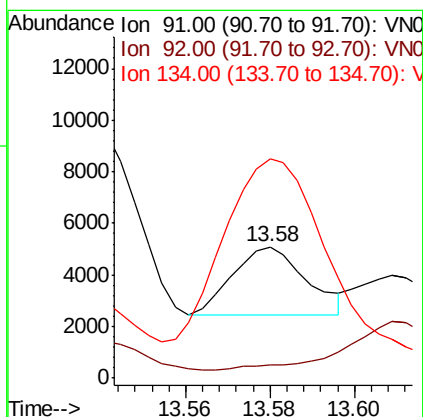
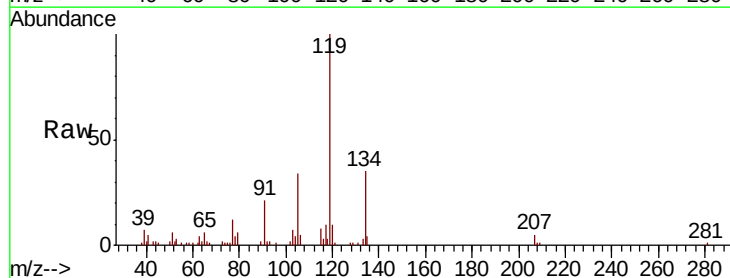
Instrument :
MSVOA_N
ClientSampleId :
TP-14-DA

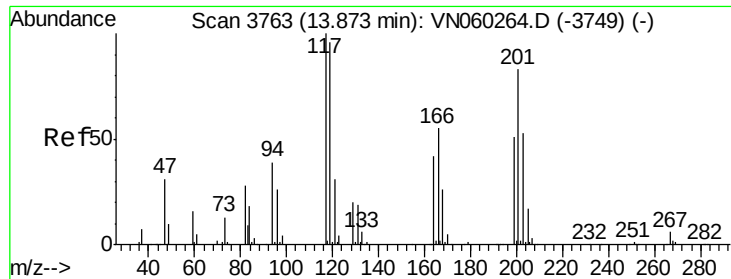
Tot Ion: 119 Resp: 17071
Ion Ratio Lower Upper
119 100
134 26.8 13.2 39.6
91 22.9 12.2 36.6



#89
n-Butylbenzene
Concen: 0.328 ug/l
RT: 13.58 min Scan# 3672
Delta R.T. -0.03 min
Lab File: VN060506.D
Acq: 13 Mar 2020 16:35

Tgt Ion: 91 Resp: 3169
Ion Ratio Lower Upper
91 100
92 0.0 26.0 78.0#
134 520.5 12.7 38.1#





#90

Hexachloroethane

Concen: 2.392 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

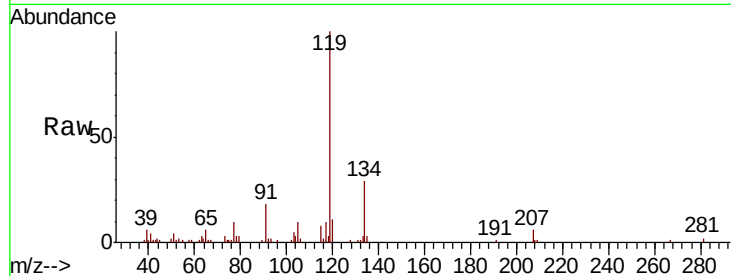
TP-14-DA

Tot Ion:117 Resp: 3644

Ion Ratio Lower Upper

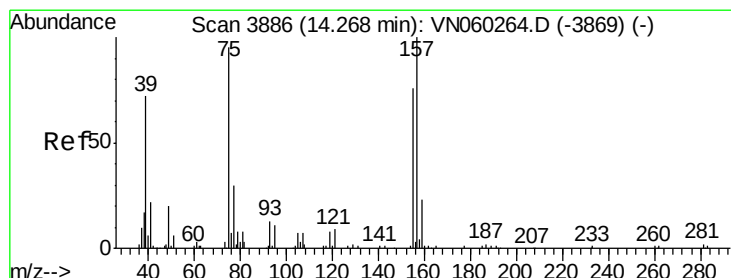
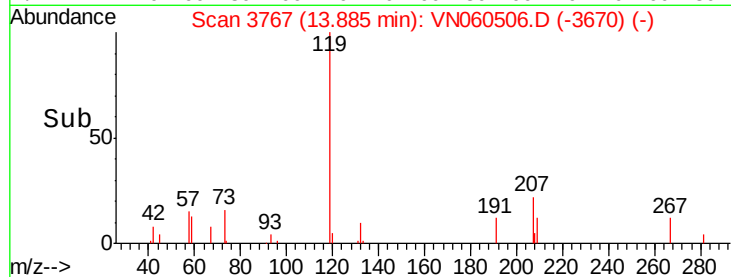
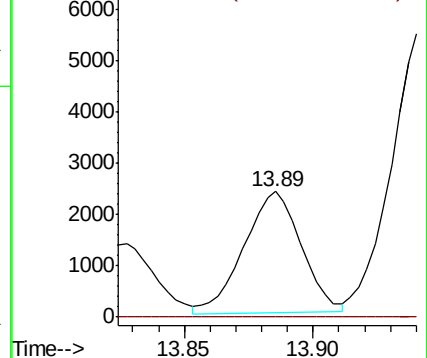
117 100

201 0.0 41.0 123.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.456 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

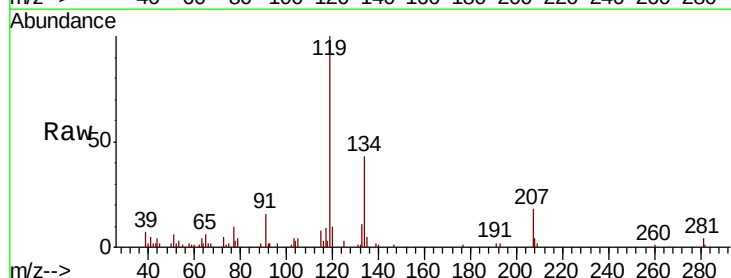
Tgt Ion: 75 Resp: 327

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

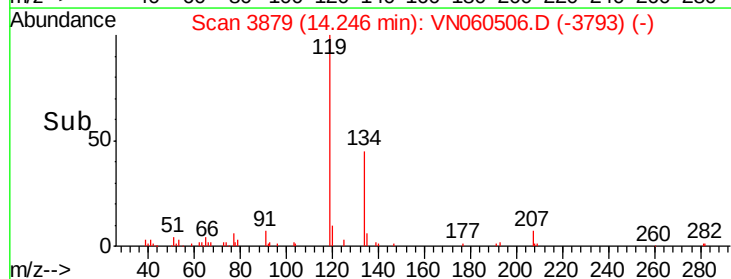
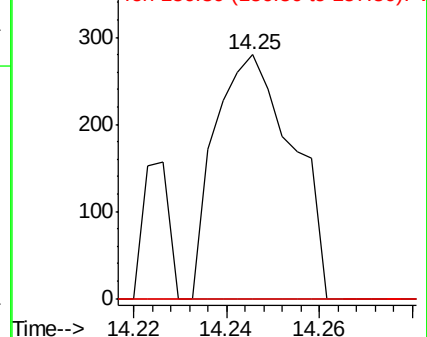
157 0.0 52.5 157.5#

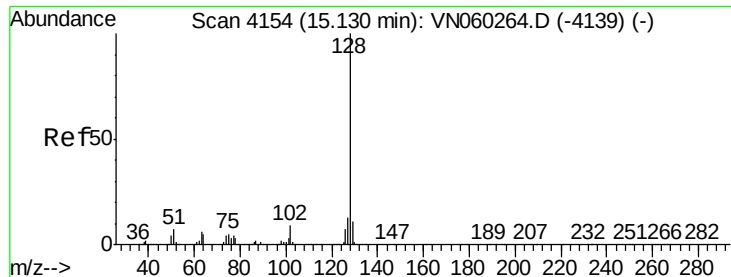


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 5.160 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060506.D

Acq: 13 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

TP-14-DA

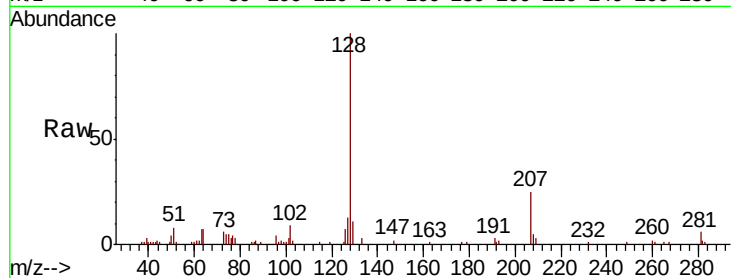
Tot Ion:128 Resp: 50601

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.4 8.6 13.0



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

