

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060505.D
 Acq On : 13 Mar 2020 16:12
 Operator : JC/MD
 Sample : L1893-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-SA

Quant Time: Mar 16 04:29:55 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	202964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	319161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129518	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.56	113	99045	63.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.62%	
50) Toluene-d8	10.08	98	424600	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.40	95	164840	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	

Target Compounds

					Qvalue	
13) Acrolein	3.55	56	2795	7.748	ug/l	# 1
14) Allyl chloride	4.37	41	8514	2.368	ug/l	# 49
15) Acrylonitrile	5.02	53	2931	2.876	ug/l	# 30
16) Acetone	3.79	43	26834	31.910	ug/l	# 89
17) Carbon Disulfide	4.03	76	30	Below Cal		# 75
18) Methyl Acetate	4.37	43	6440	2.295	ug/l	# 52
20) Methylene Chloride	4.52	84	6637	2.874	ug/l	# 86
23) Vinyl Acetate	5.90	43	2999	0.518	ug/l	# 73
24) 1,1-Dichloroethane	5.90	63	892	0.216	ug/l	# 84
25) 2-Butanone	6.80	43	4364	3.213	ug/l	# 98
26) 2,2-Dichloropropane	6.59	77	2280	0.608	ug/l	# 53
28) Bromochloromethane	7.36	49	652	0.385	ug/l	# 14
29) Tetrahydrofuran	7.17	42	200	0.212	ug/l	# 33
30) Chloroform	7.37	83	2490	0.607	ug/l	# 67
31) Cyclohexane	7.63	56	405470	117.059	ug/l	# 97
36) 1,1-Dichloropropene	7.64	75	16419	5.152	ug/l	# 49
37) Ethyl Acetate	6.80	43	4364	1.446	ug/l	# 68
38) Carbon Tetrachloride	7.64	117	19859	6.400	ug/l	# 16
39) Methylcyclohexane	9.07	83	460178	122.457	ug/l	# 96
40) Benzene	8.02	78	22402	2.415	ug/l	# 99
41) Methacrylonitrile	7.18	41	2036	1.461	ug/l	# 100
43) Isopropyl Acetate	8.14	43	54185	10.256	ug/l	# 84
45) 1,2-Dichloropropane	9.06	63	4801	1.979	ug/l	# 1
47) Bromodichloromethane	9.37	83	2521	0.788	ug/l	# 25
48) Methyl methacrylate	9.25	41	88328	36.662	ug/l	# 66
51) 4-Methyl-2-Pentanone	9.97	43	4569	1.525	ug/l	# 99
52) Toluene	10.14	92	34328	5.891	ug/l	# 97
54) cis-1,3-Dichloropropene	9.89	75	18145	4.465	ug/l	# 55
55) 1,1,2-Trichloroethane	10.52	97	32746	13.974	ug/l	# 18
56) Ethyl methacrylate	10.42	69	11142	3.310	ug/l	# 1
57) 1,3-Dichloropropane	10.75	76	3087	0.808	ug/l	# 42
58) 2-Chloroethyl Vinyl ether	9.65	63	1392	0.791	ug/l	# 49
59) 2-Hexanone	10.75	43	43736	19.885	ug/l	# 55
67) Ethyl Benzene	11.50	91	847778	72.236	ug/l	# 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

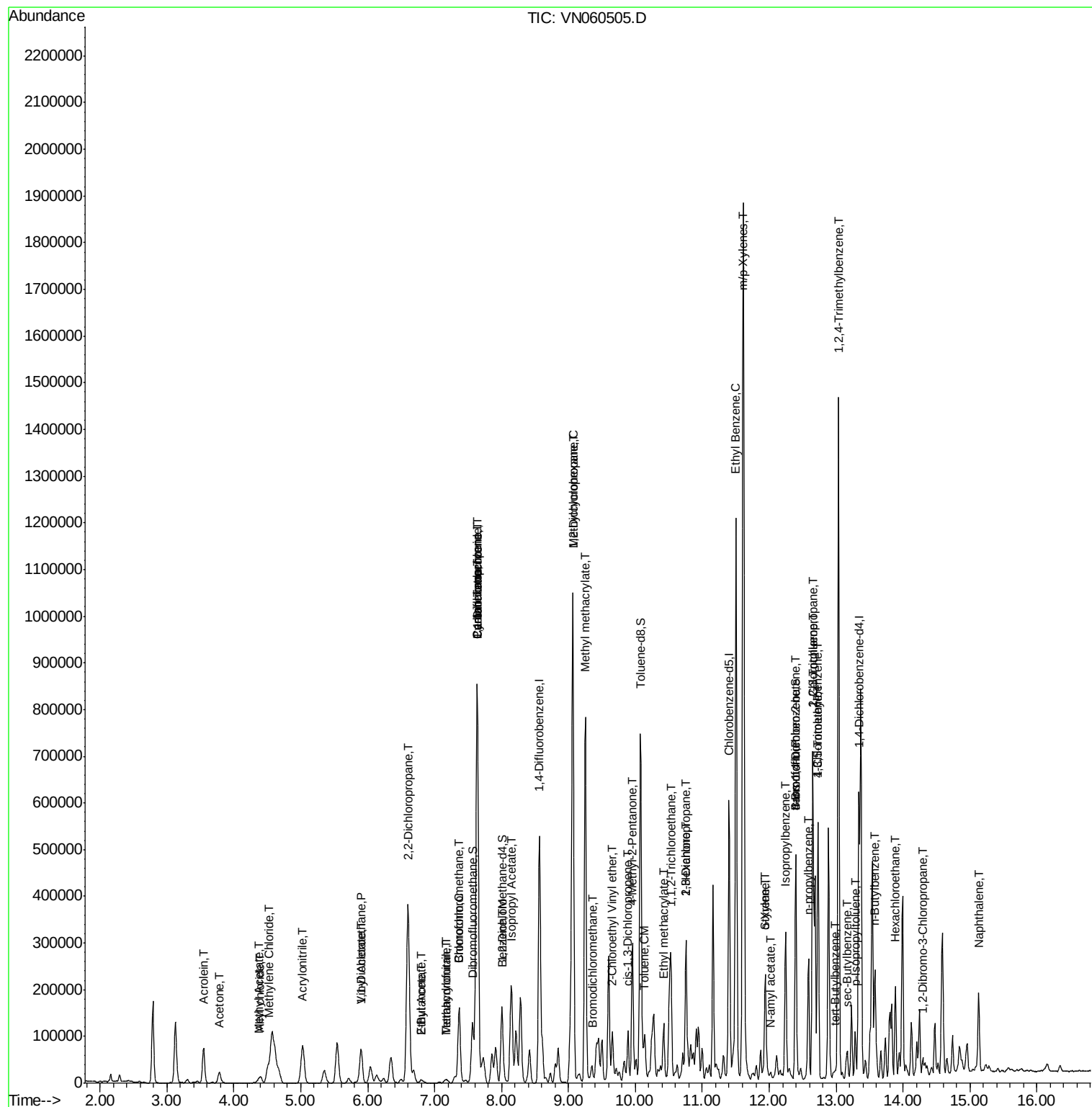
68) m/p-Xylenes	11.61	106	597480	134.932	ug/l	100
69) o-Xylene	11.94	106	58443	13.841	ug/l	99
70) Styrene	11.94	104	3103	0.447	ug/l #	1
71) Bromoform	12.40	173	1130	0.658	ug/l #	1
73) Isopropylbenzene	12.24	105	207462	17.702	ug/l	99
74) N-amyl acetate	12.03	43	5712	1.115	ug/l #	59
76) 1,2,3-Trichloropropane	12.65	75	3968	1.144	ug/l #	100
78) n-propylbenzene	12.59	91	207448	15.100	ug/l	99
79) 2-Chlorotoluene	12.65	91	56706	7.022	ug/l #	50
80) 1,3,5-Trimethylbenzene	12.73	105	294519	29.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	83340	66.314	ug/l #	8
82) 4-Chlorotoluene	12.73	91	30557	3.592	ug/l #	41
83) tert-Butylbenzene	12.99	119	7883	0.923	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	822051	82.537	ug/l	100
85) sec-Butylbenzene	13.17	105	36496	3.190	ug/l #	78
86) p-Isopropyltoluene	13.28	119	53810	5.082	ug/l	100
87) 1,3-Dichlorobenzene	13.00	146	59	Below Cal	#	25
89) n-Butylbenzene	13.58	91	9662	0.994	ug/l #	1
90) Hexachloroethane	13.89	117	9527	6.216	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.28	75	194	0.269	ug/l #	3
95) Naphthalene	15.13	128	143142	15.003	ug/l	99

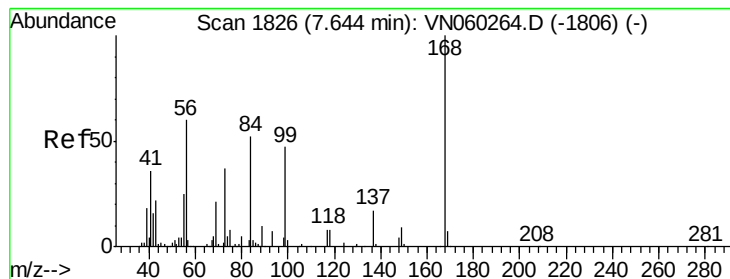
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

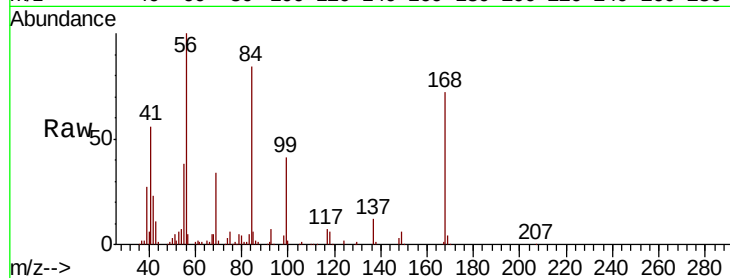
TP-14-SA

Tot Ion:168 Resp: 202964

Ion Ratio Lower Upper

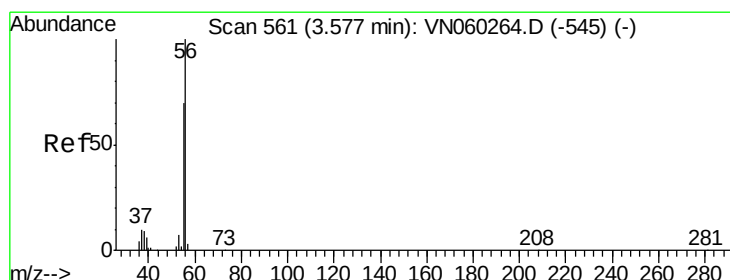
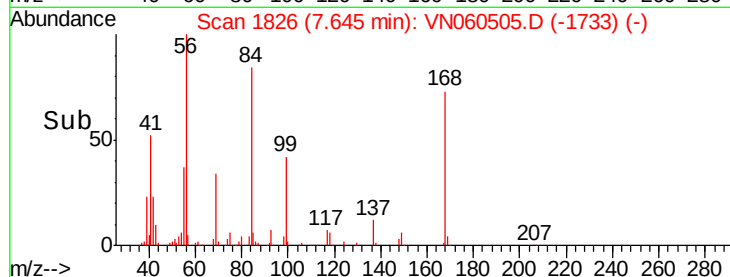
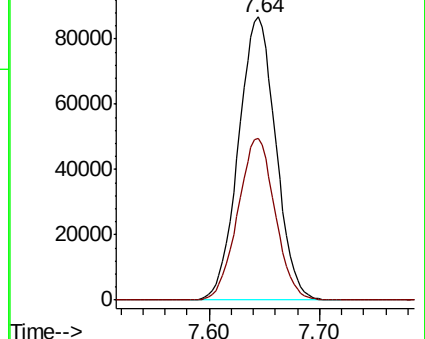
168 100

99 57.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 7.748 ug/l

RT: 3.55 min Scan# 551

Delta R.T. -0.03 min

Lab File: VN060505.D

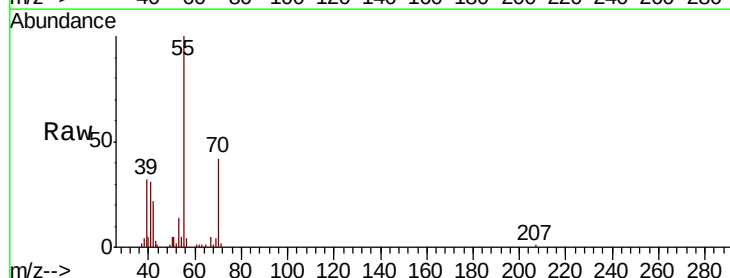
Acq: 13 Mar 2020 16:12

Tgt Ion: 56 Resp: 2795

Ion Ratio Lower Upper

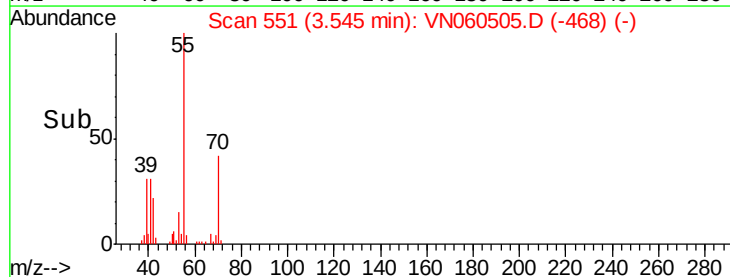
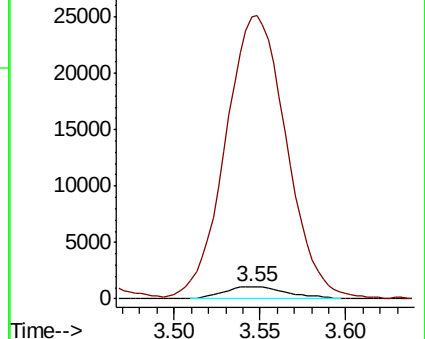
56 100

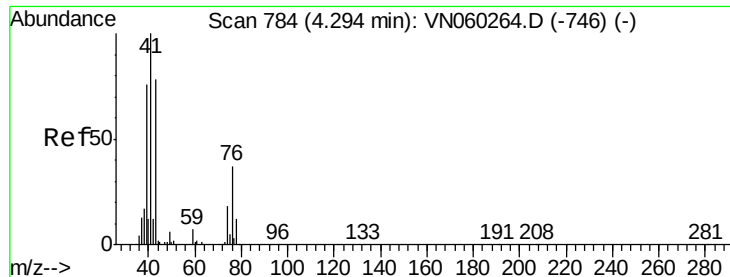
55 2226.2 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

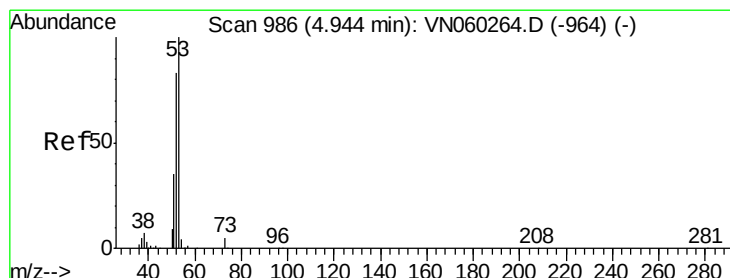
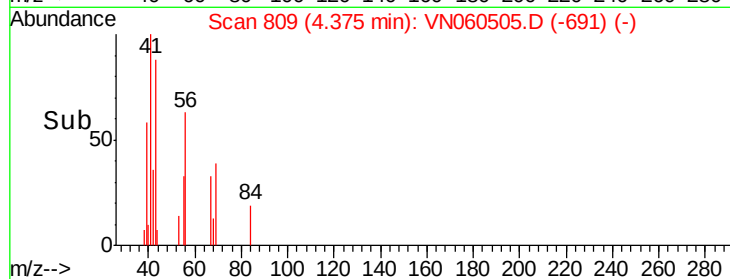
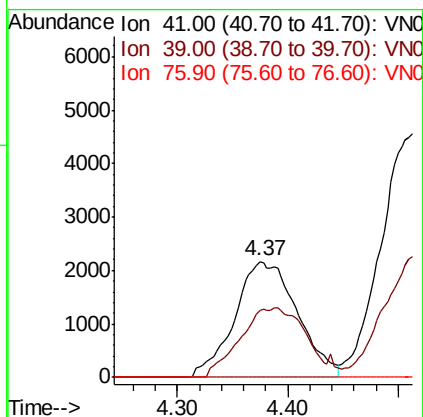
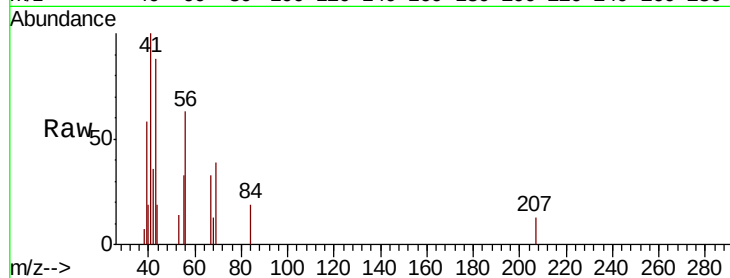




#14
Allvl chloride
Concen: 2.368 ug/l
RT: 4.37 min Scan# 809
Delta R.T. 0.08 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

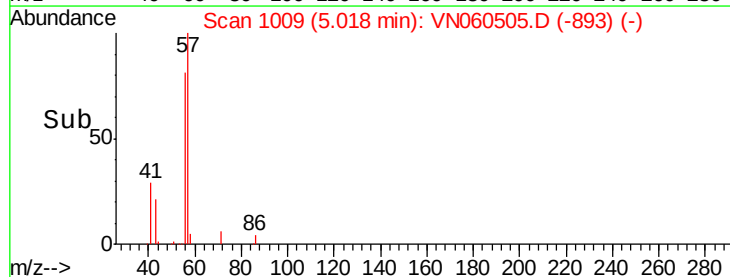
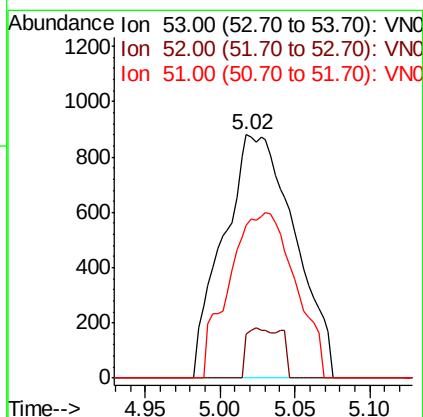
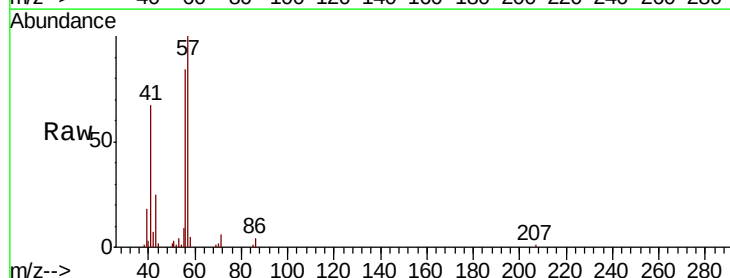
Instrument :
MSVOA_N
ClientSampleId :
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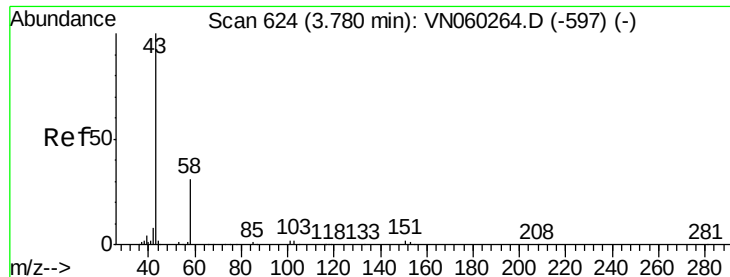
Tot Ion: 41 Resp: 8514
Ion Ratio Lower Upper
41 100
39 30.4 55.4 83.2#
76 0.0 27.0 40.6#



#15
Acrylonitrile
Concen: 2.876 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.07 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion: 53 Resp: 2931
Ion Ratio Lower Upper
53 100
52 10.1 66.8 100.2#
51 62.4 29.0 43.6#





#16

Acetone

Concen: 31.910 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

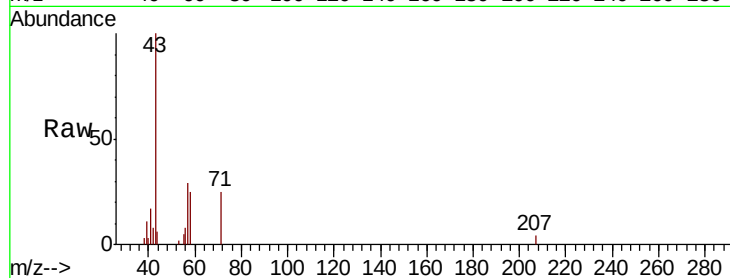
TP-14-SA

Tot Ion: 43 Resp: 26834

Ion Ratio Lower Upper

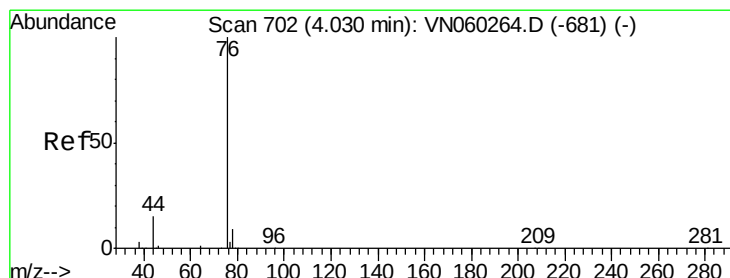
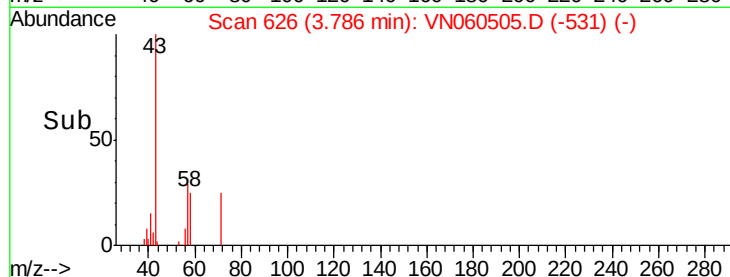
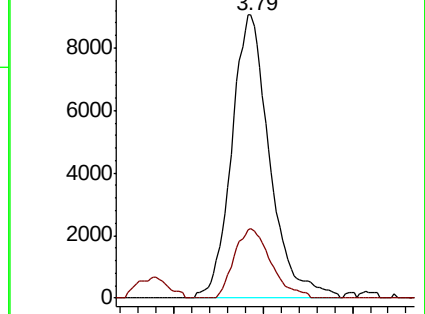
43 100

58 24.7 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) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060505.D

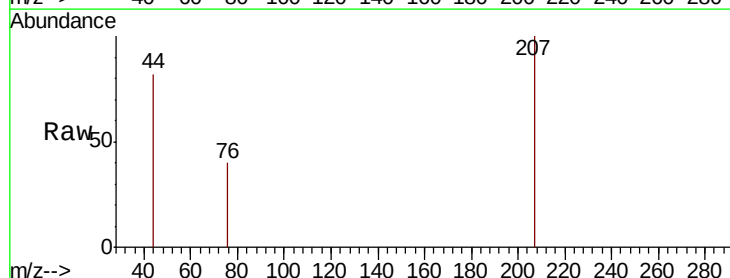
Acq: 13 Mar 2020 16:12

Tgt Ion: 76 Resp: 30

Ion Ratio Lower Upper

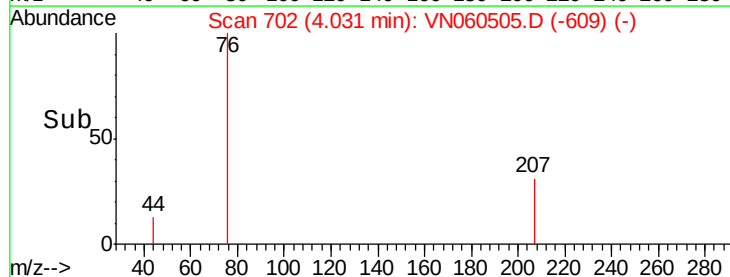
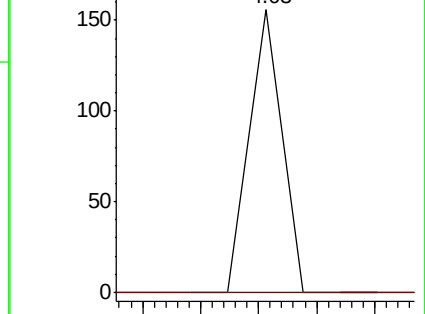
76 100

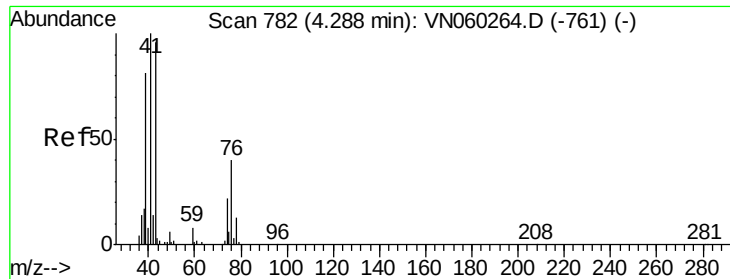
78 0.0 7.4 11.0#



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

Ion 77.90 (77.60 to 78.60): VN060264.D (-681) (-)

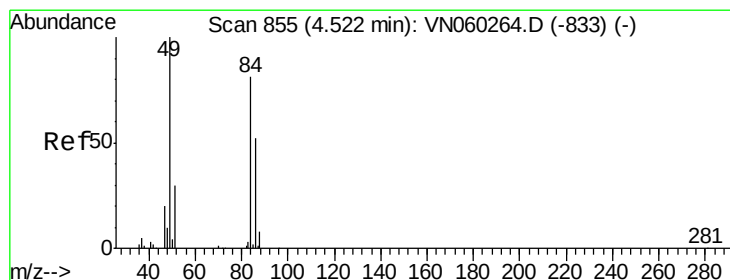
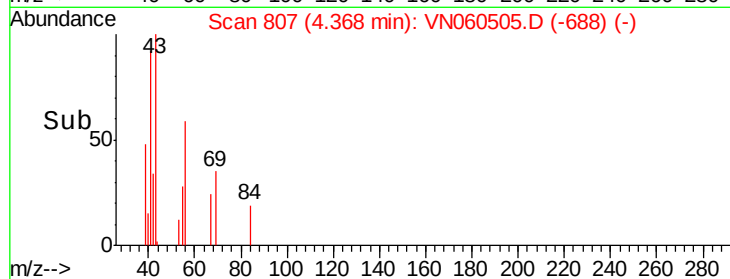
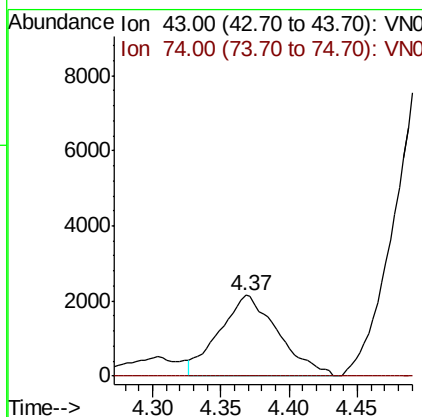
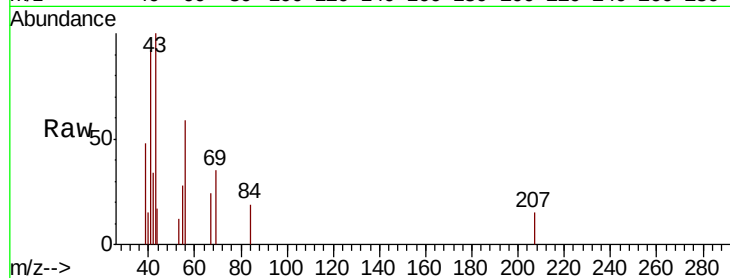




#18
Methyl Acetate
Concen: 2.295 ug/l
RT: 4.37 min Scan# 807
Delta R.T. 0.08 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

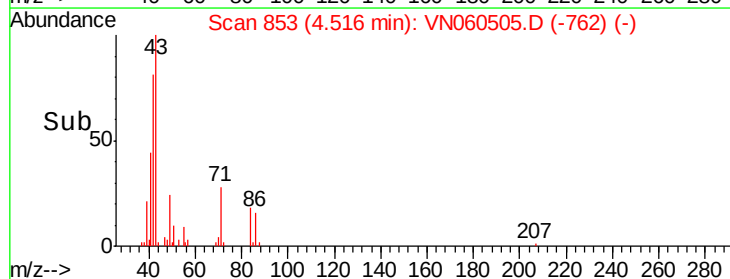
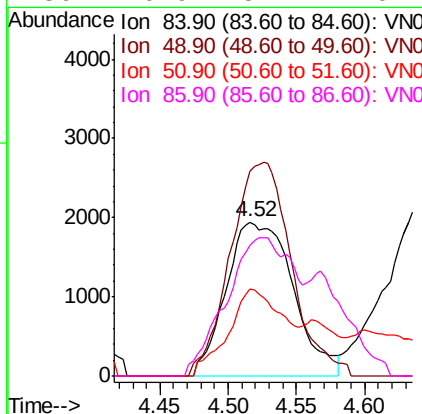
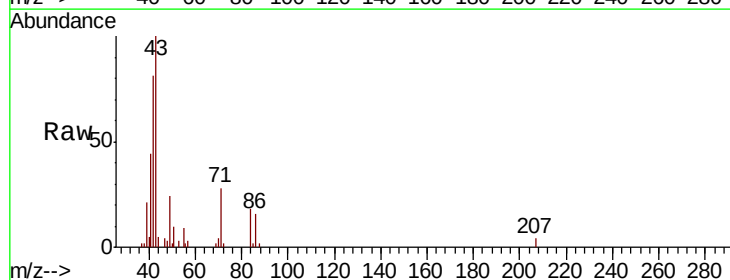
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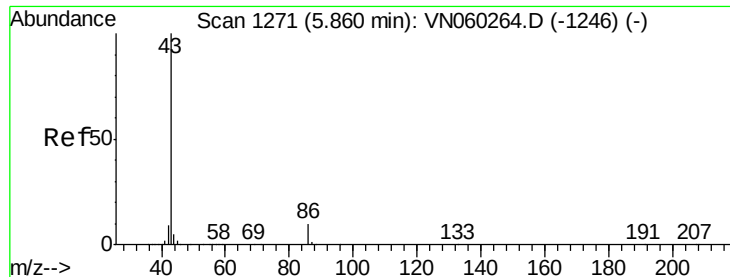
Tot Ion: 43 Resp: 6440
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 2.874 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion: 84 Resp: 6637
Ion Ratio Lower Upper
84 100
49 133.1 99.3 148.9
51 56.3 30.1 45.1#
86 76.9 51.1 76.7#





#23

Vinyl Acetate

Concen: 0.518 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.04 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

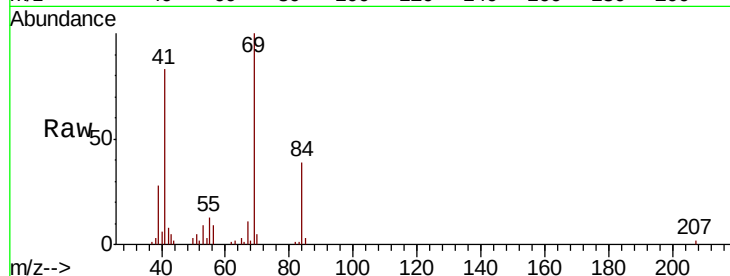
TP-14-SA

Tot Ion: 43 Resp: 2999

Ion Ratio Lower Upper

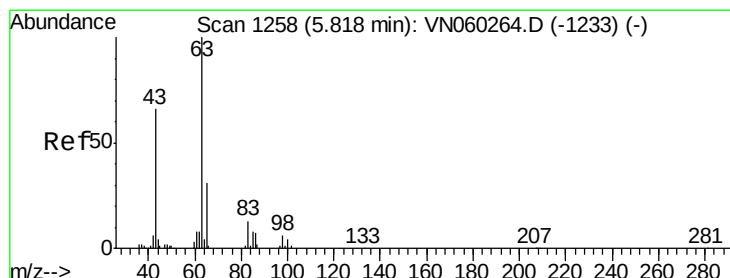
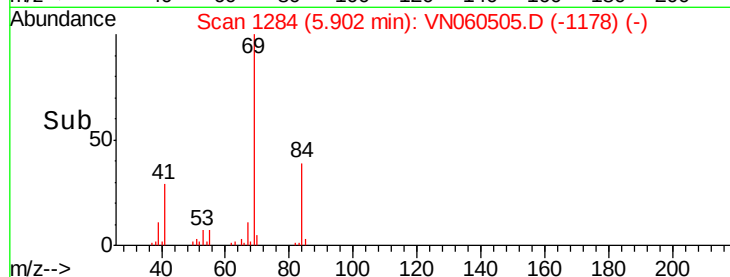
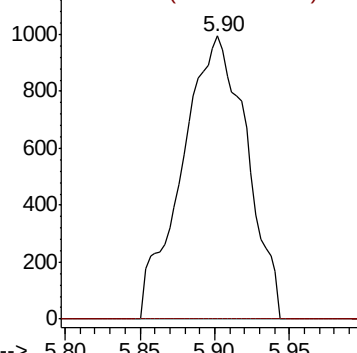
43 100

86 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.216 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.08 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

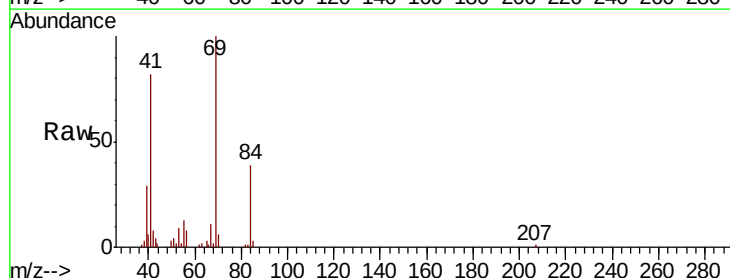
Tgt Ion: 63 Resp: 892

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

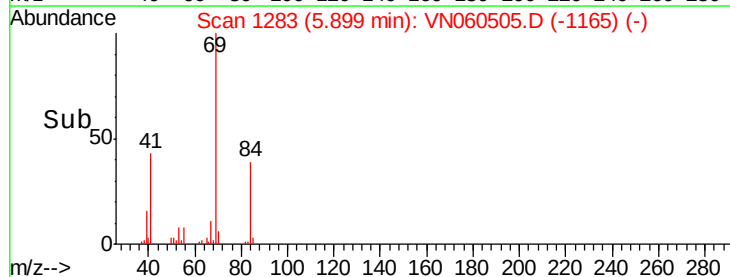
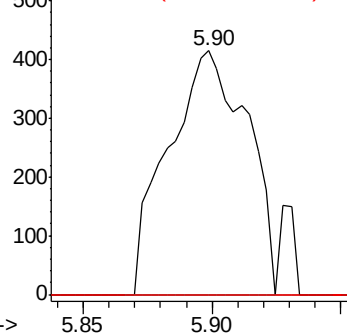
100 0.0 2.0 6.0#

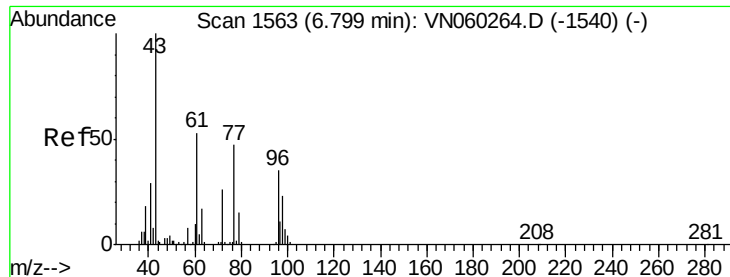


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 3.213 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

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ClientSampled :

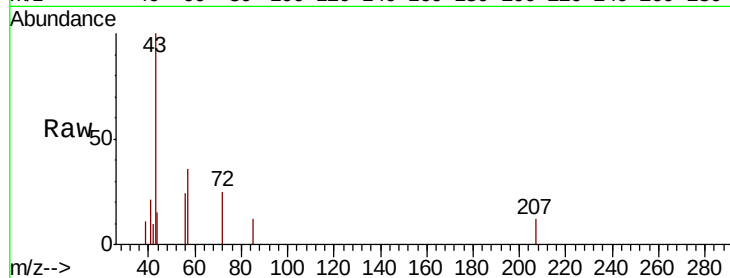
TP-14-SA

Tot Ion: 43 Resp: 4364

Ion Ratio Lower Upper

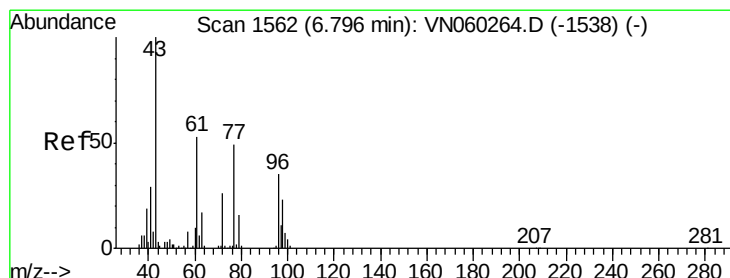
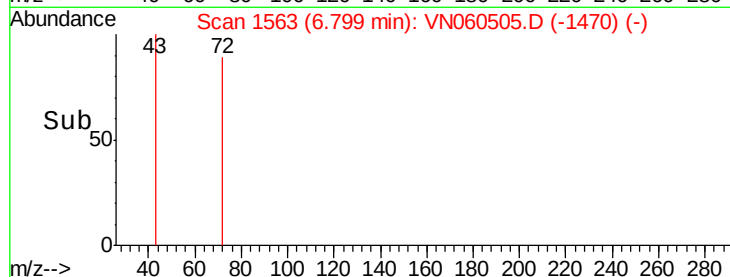
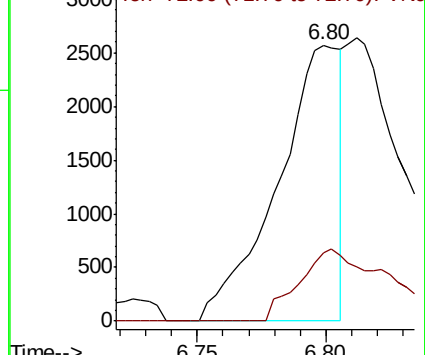
43 100

72 24.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 0.608 ug/l

RT: 6.59 min Scan# 1499

Delta R.T. -0.20 min

Lab File: VN060505.D

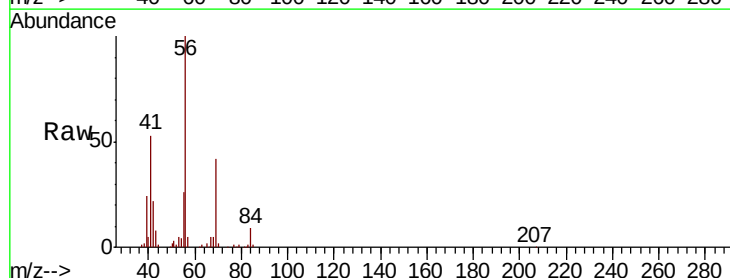
Acq: 13 Mar 2020 16:12

Tgt Ion: 77 Resp: 2280

Ion Ratio Lower Upper

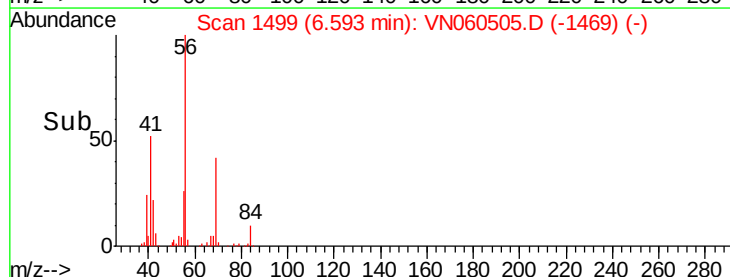
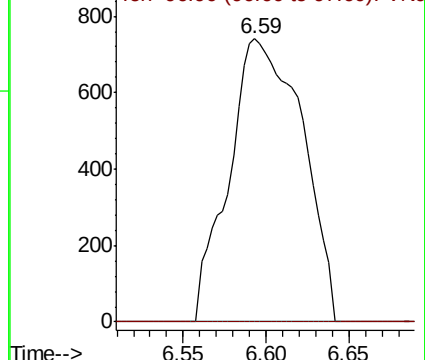
77 100

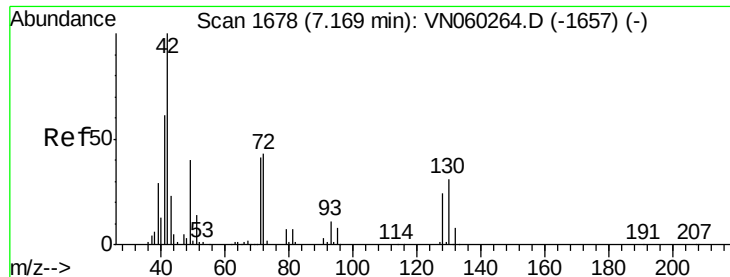
97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VN060505.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060505.D (-1469) (-)





#28

Bromochloromethane

Concen: 0.385 ug/l

RT: 7.36 min Scan# 1738

Delta R.T. 0.19 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

TP-14-SA

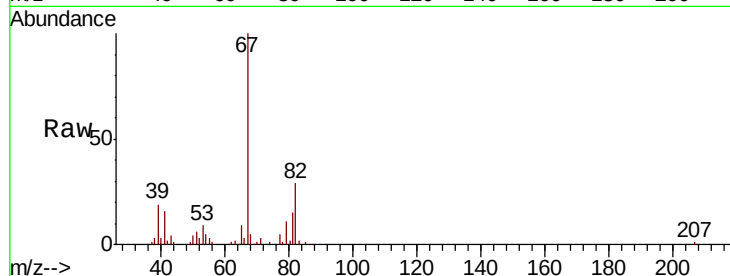
Tot Ion: 49 Resp: 652

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 59.8 89.8#



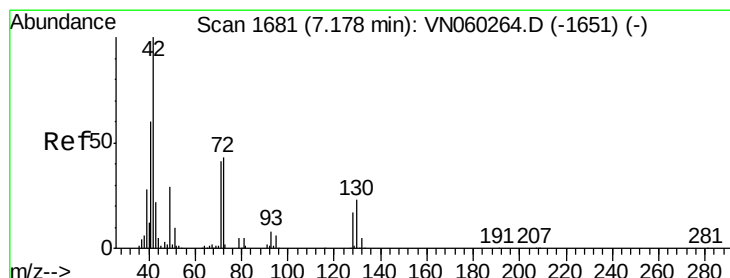
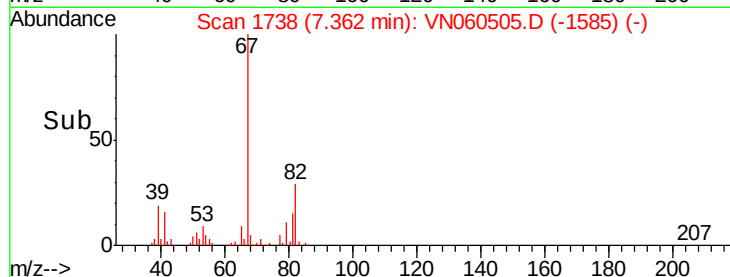
Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

7.36

Time-->



#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

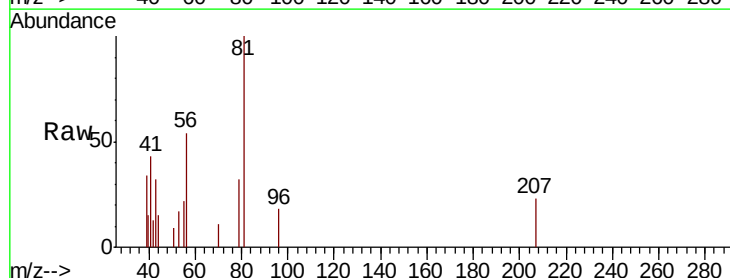
Tgt Ion: 42 Resp: 200

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 32.9 49.3#



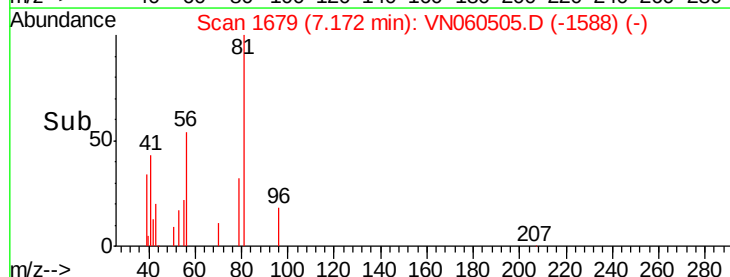
Abundance Ion 42.00 (41.70 to 42.70): VN0

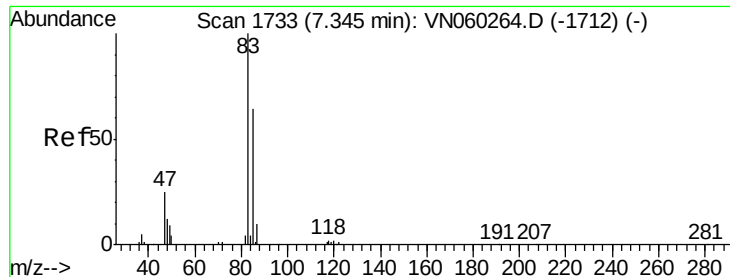
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.17

Time-->

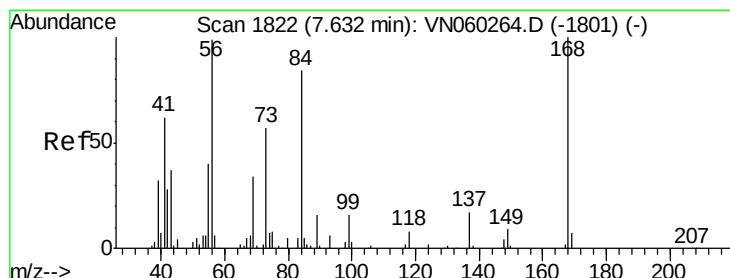
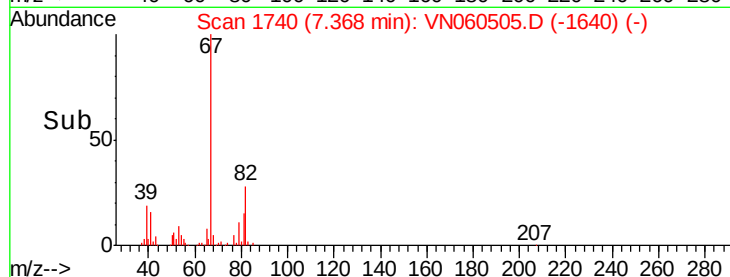
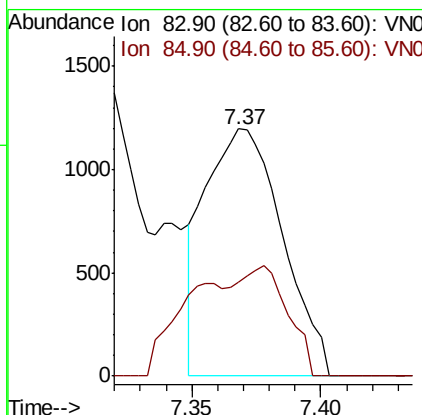
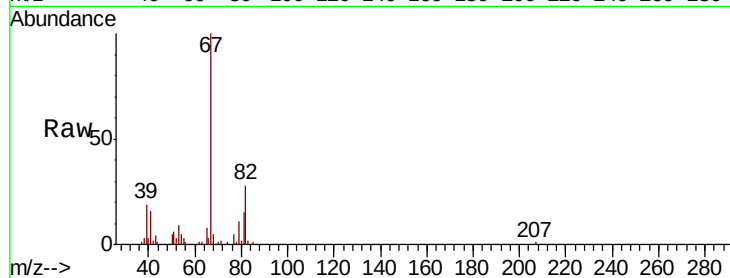




#30
Chloroform
Concen: 0.607 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.02 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

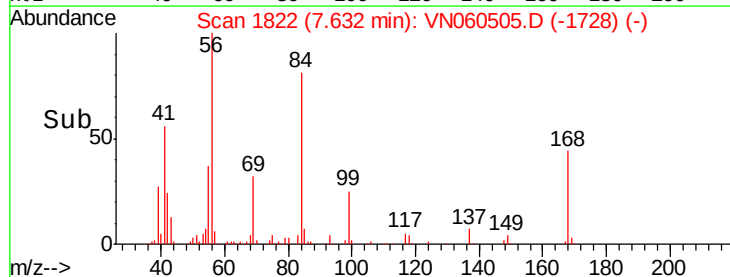
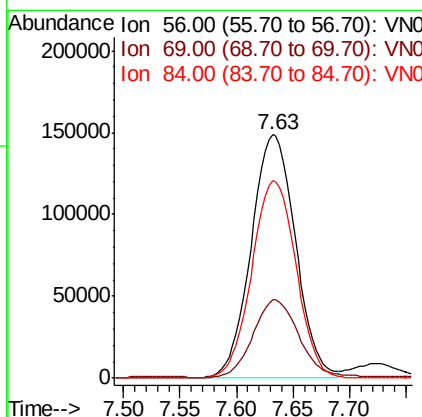
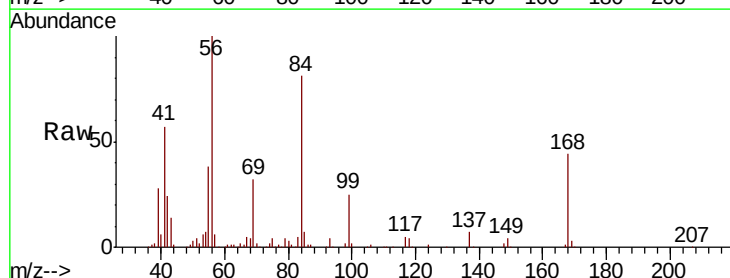
Instrument :
MSVOA_N
ClientSampled :
TP-14-SA

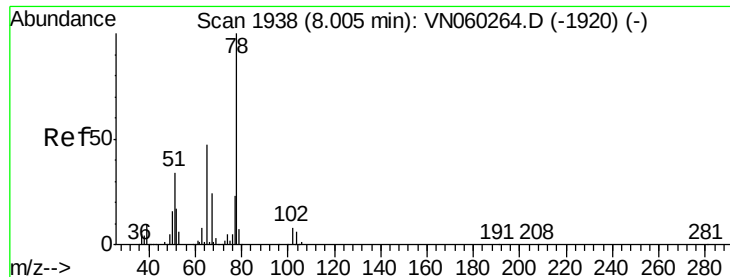
Tot Ion: 83 Resp: 2490
Ion Ratio Lower Upper
83 100
85 38.2 51.4 77.2#



#31
Cyclohexane
Concen: 117.059 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion: 56 Resp: 405470
Ion Ratio Lower Upper
56 100
69 31.6 27.2 40.8
84 81.3 66.7 100.1

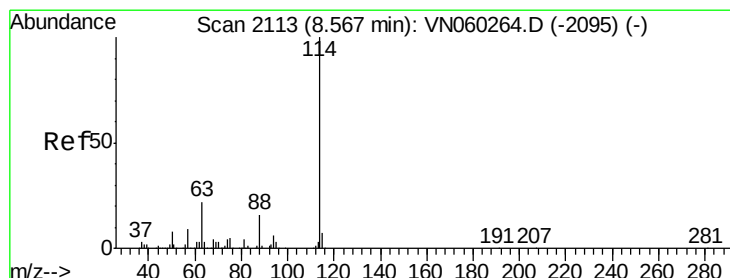
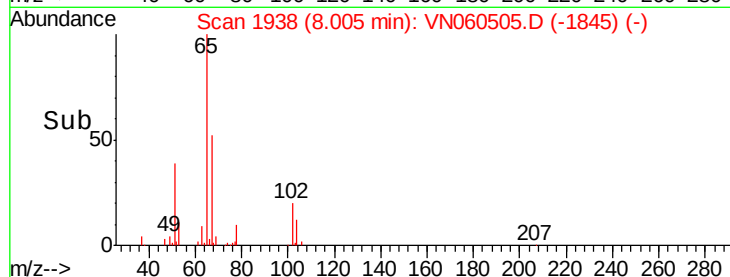
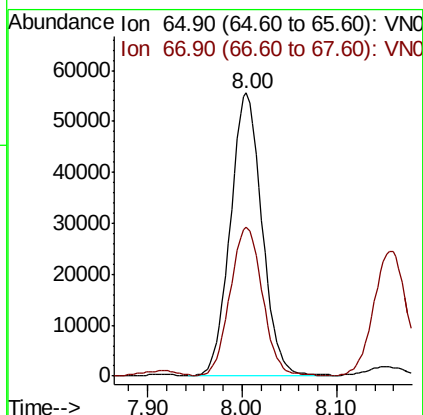
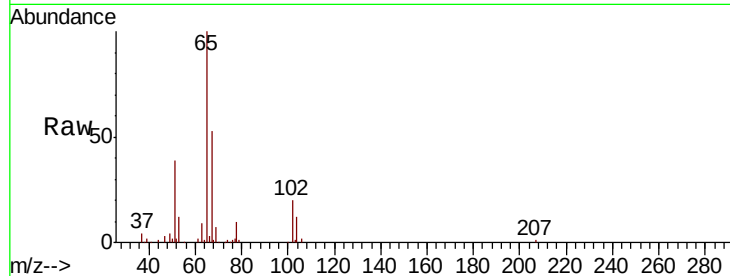




#33
 1,2-Dichloroethane-d4
 Concen: 49.737 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

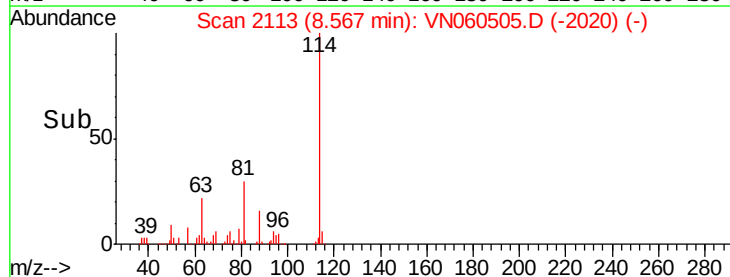
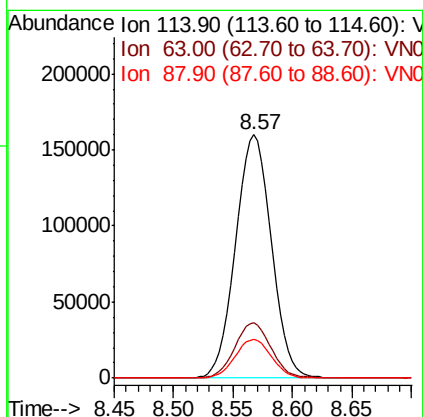
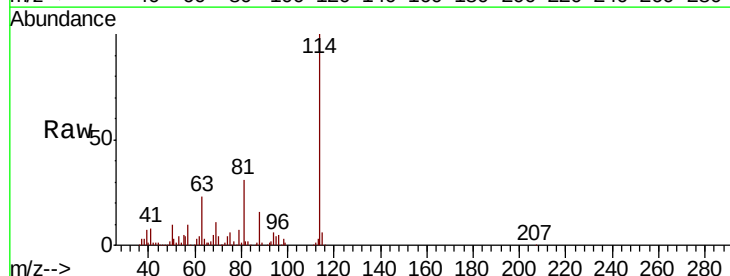
Instrument :
 MSVOA_N
 ClientSampled :
 TP-14-SA

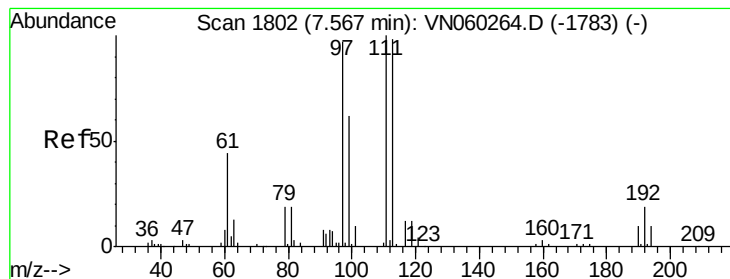
Tot Ion: 65 Resp: 129518
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

Tgt Ion: 114 Resp: 334422
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 63.806 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

TP-14-SA

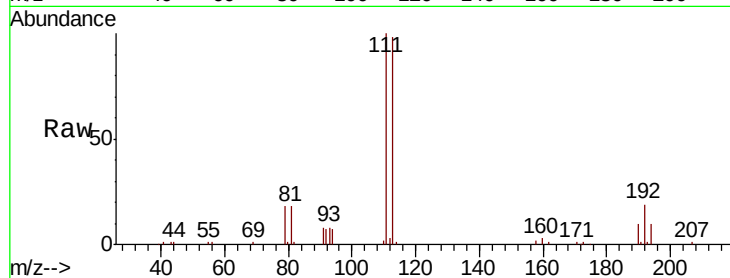
Tot Ion:113 Resp: 99045

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

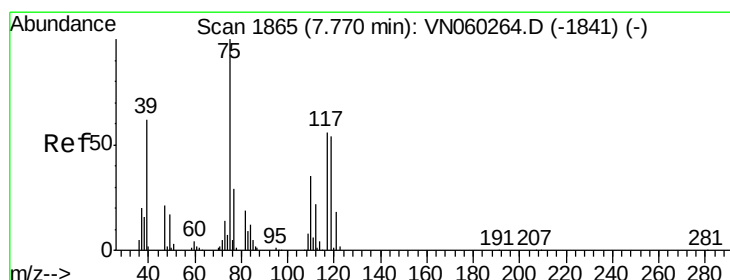
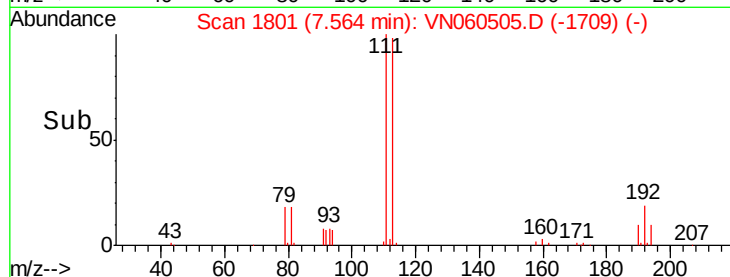
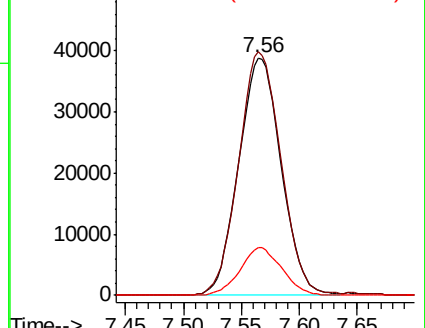
192 19.6 16.2 24.2



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: 5.152 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

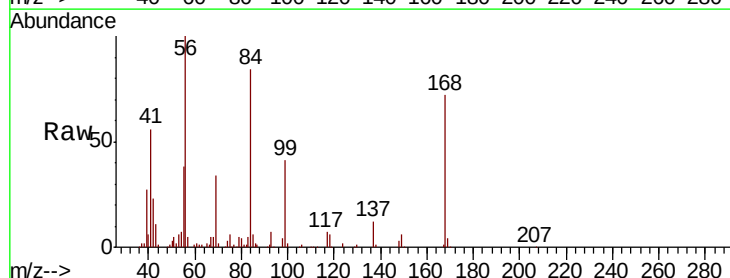
Tgt Ion: 75 Resp: 16419

Ion Ratio Lower Upper

75 100

110 8.0 17.3 52.0#

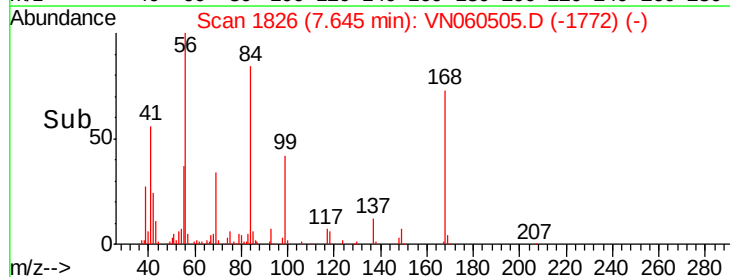
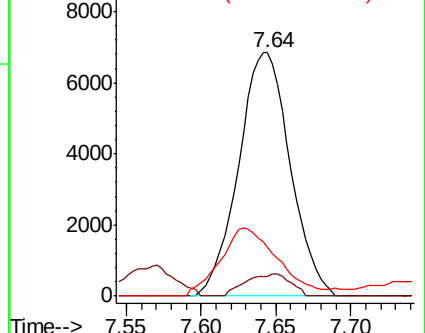
77 0.0 24.2 36.2#

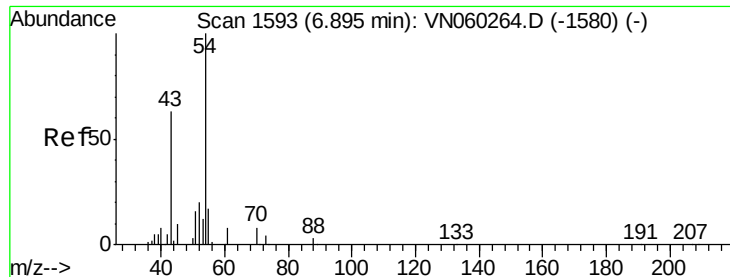


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

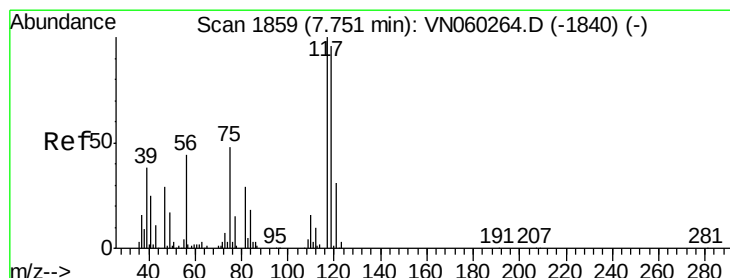
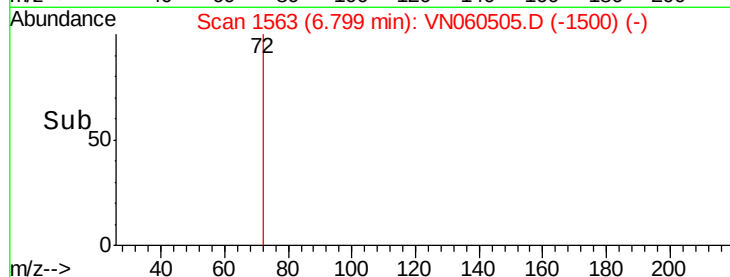
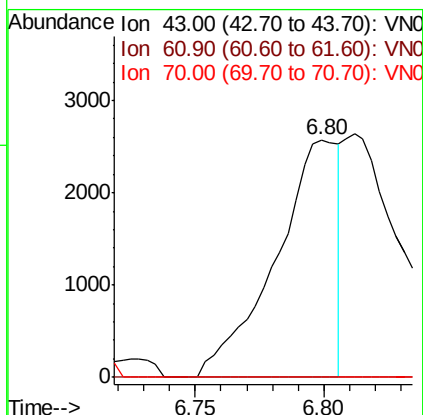
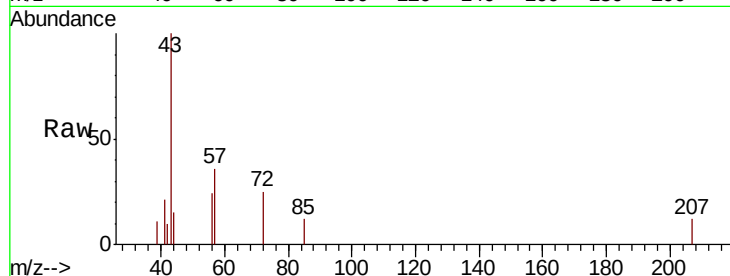




#37
Ethyl Acetate
Concen: 1.446 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

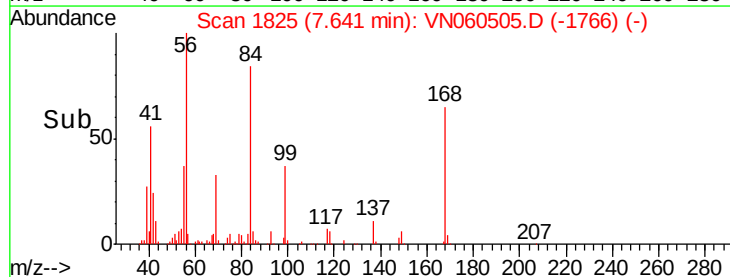
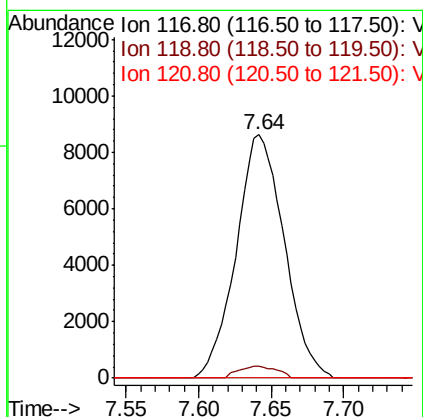
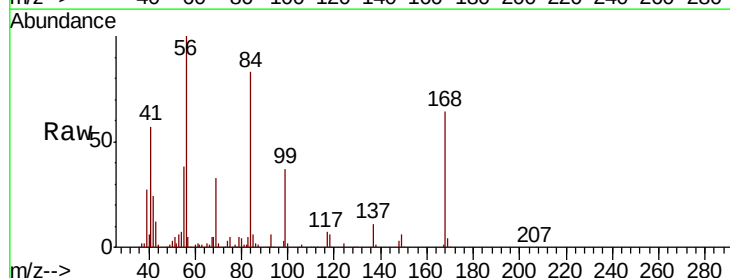
Instrument :
MSVOA_N
ClientSampleId :
TP-14-SA

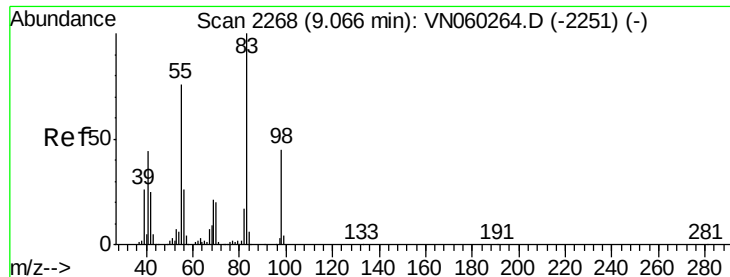
Tot Ion: 43 Resp: 4364
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.400 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion: 117 Resp: 19859
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 24.5 36.7#

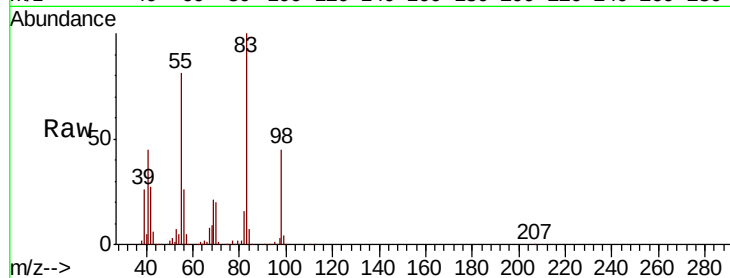




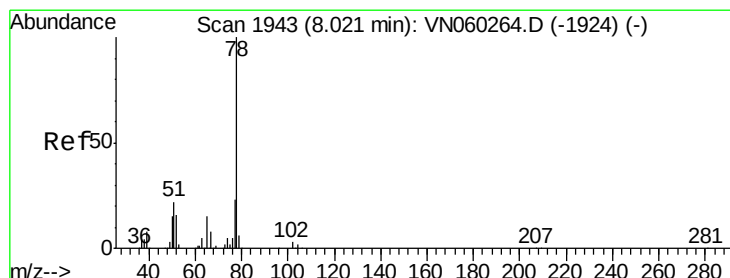
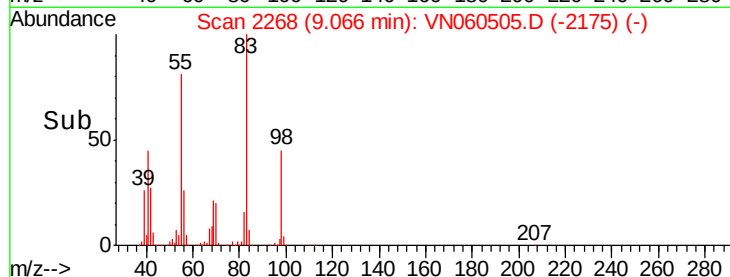
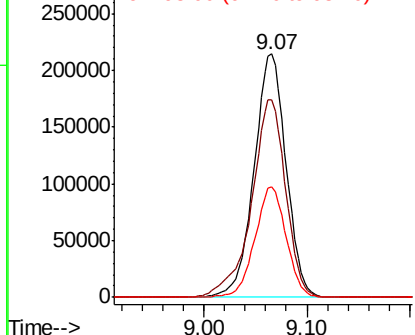
#39
Methylvlcyclohexane
Concen: 122.457 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Instrument :
MSVOA_N
ClientSampled :
TP-14-SA

Tot Ion: 83 Resp: 460178
Ion Ratio Lower Upper
83 100
55 80.9 61.0 91.4
98 45.3 36.1 54.1

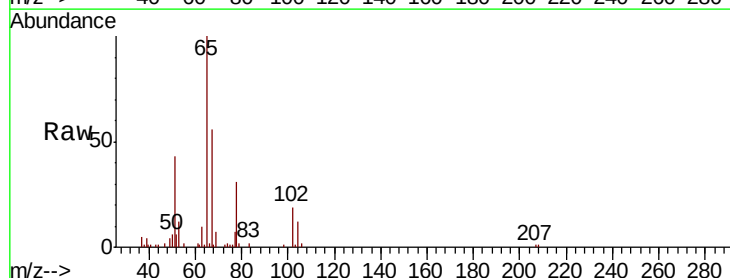


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

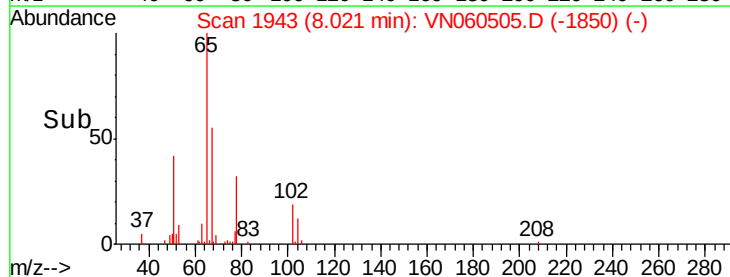
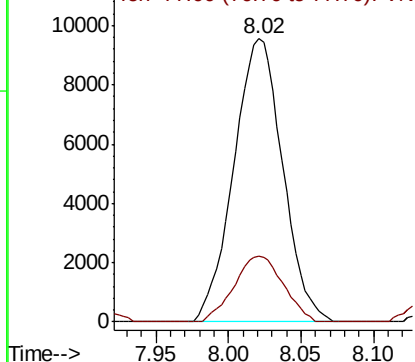


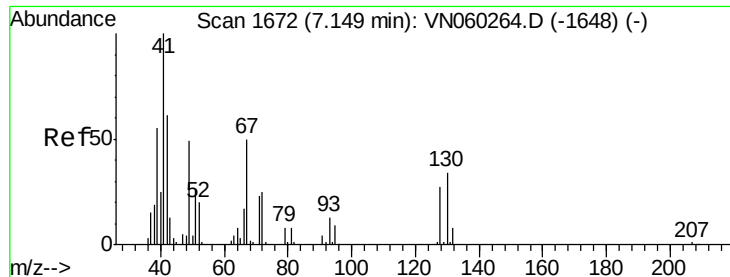
#40
Benzene
Concen: 2.415 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion: 78 Resp: 22402
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

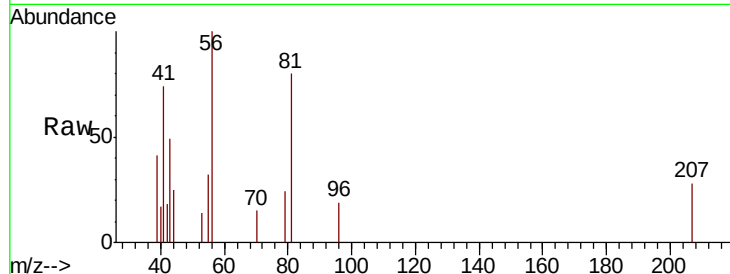




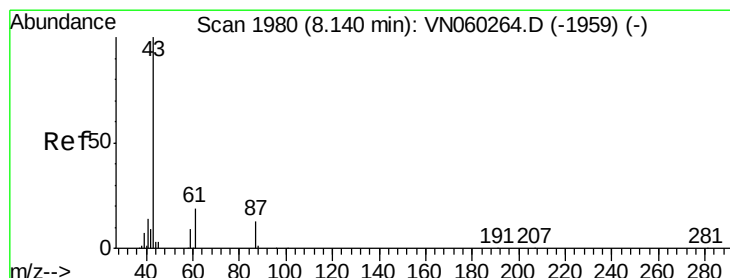
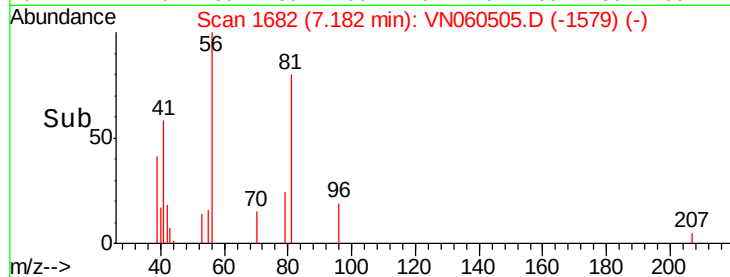
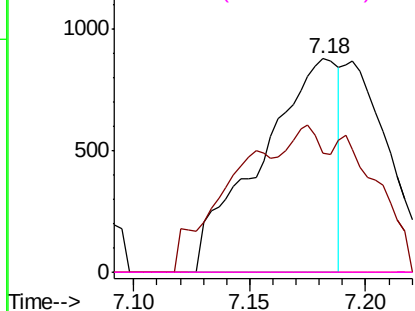
#41
Methacrylonitrile
Concen: 1.461 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Instrument :
MSVOA_N
ClientSampled :
TP-14-SA

Tot Ion:	41	Resp:	2036
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

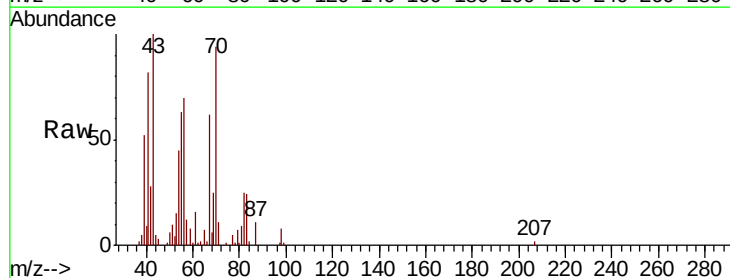


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

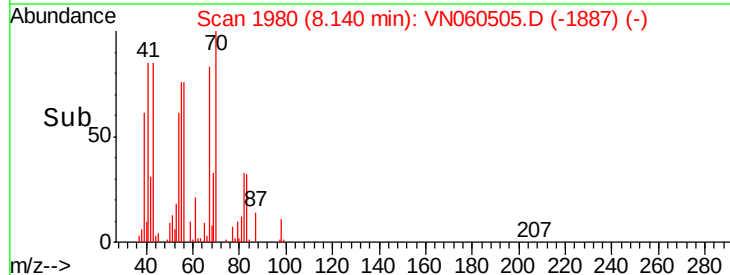
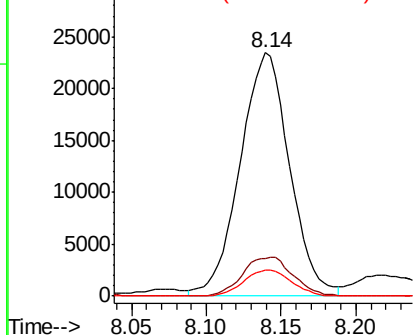


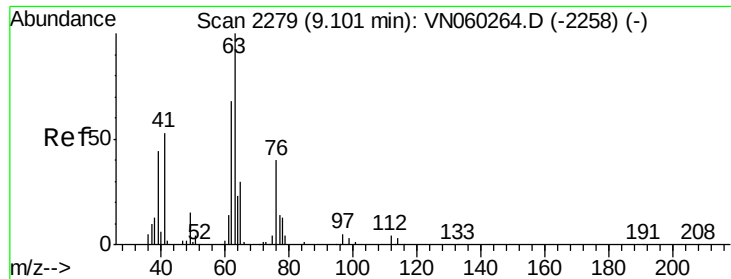
#43
Isopropyl Acetate
Concen: 10.256 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion:	43	Resp:	54185
Ion	Ratio	Lower	Upper
43	100		
61	16.1	20.9	31.3#
87	10.1	10.6	16.0#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC





#45

1,2-Dichloropropane

Concen: 1.979 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.04 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

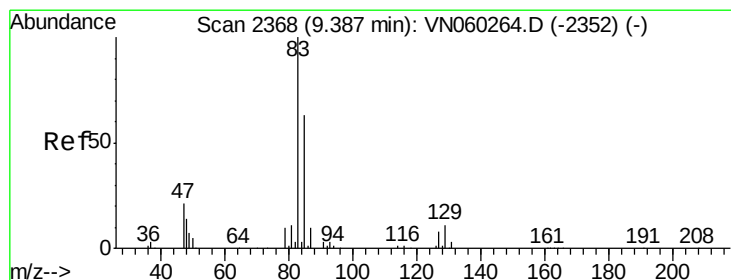
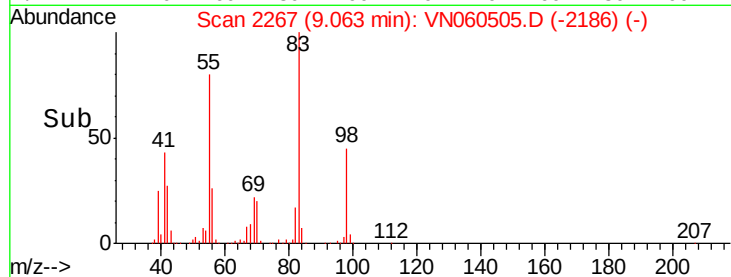
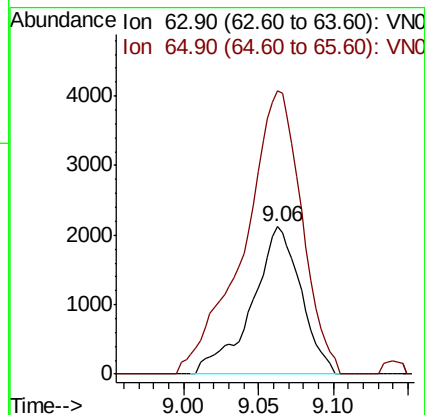
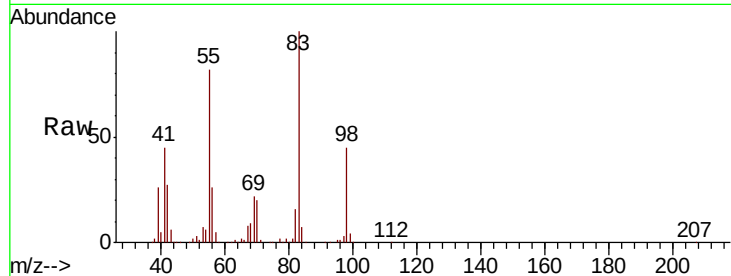
TP-14-SA

Tot Ion: 63 Resp: 4801

Ion Ratio Lower Upper

63 100

65 192.2 24.4 36.6#



#47

Bromodichloromethane

Concen: 0.788 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

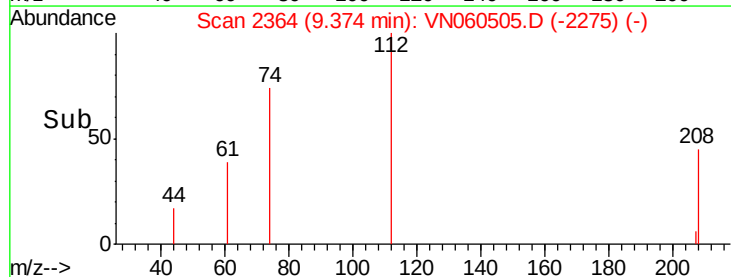
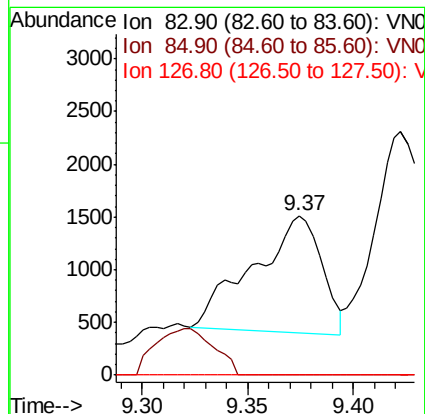
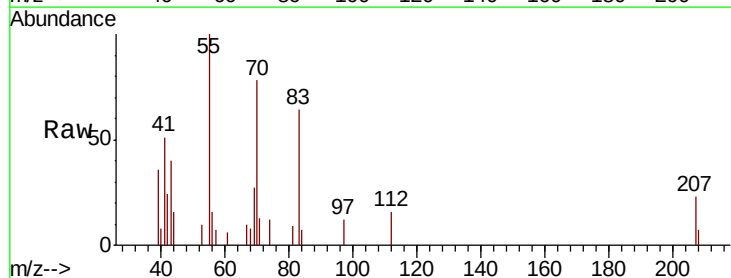
Tgt Ion: 83 Resp: 2521

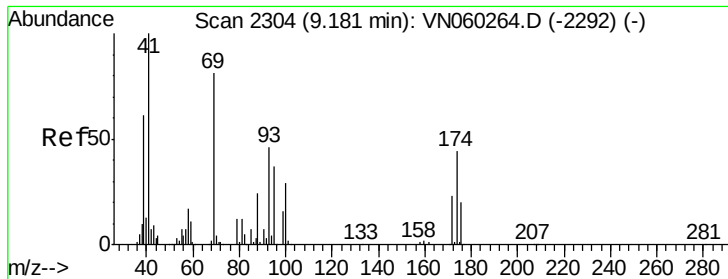
Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#

127 0.0 6.8 10.2#

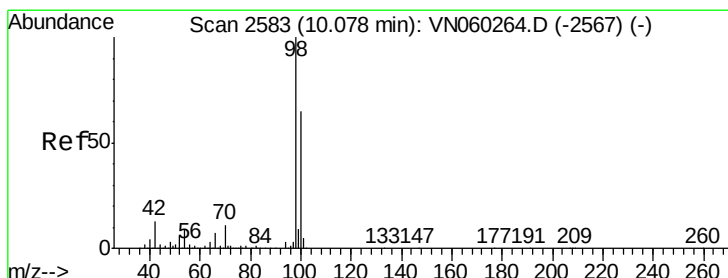
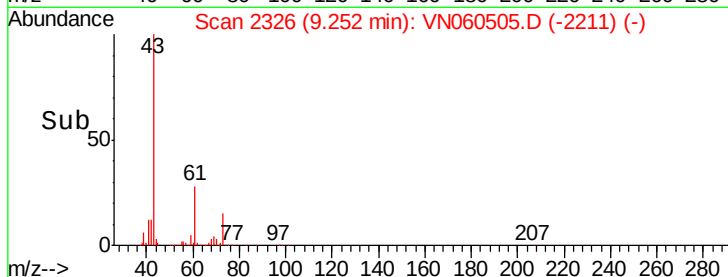
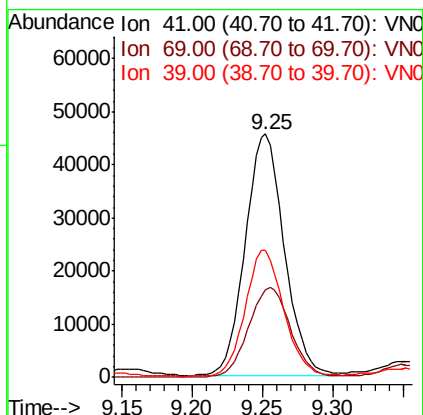
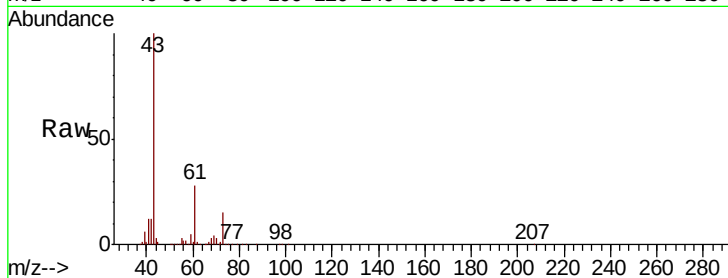




#48
Methvl methacrylate
Concen: 36.662 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.07 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

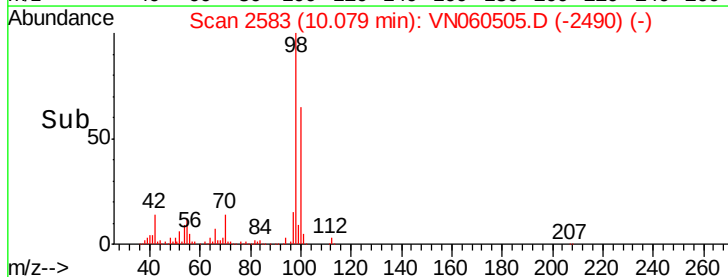
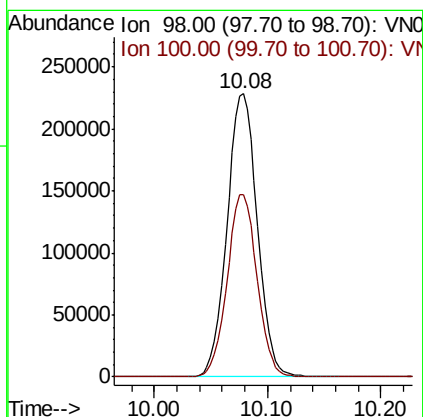
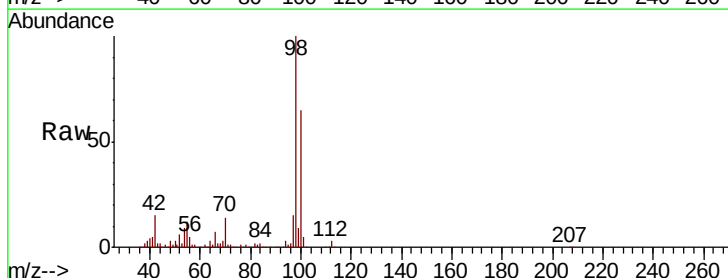
Instrument :
MSVOA_N
ClientSampleId :
TP-14-SA

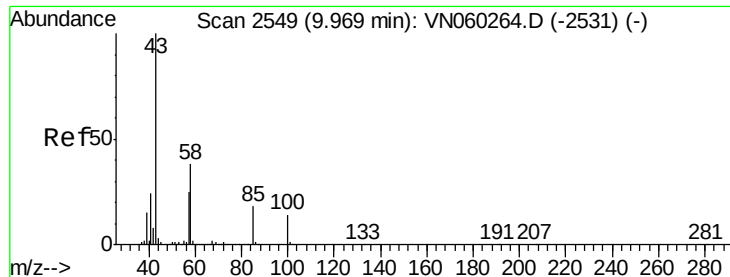
Tot Ion: 41 Resp: 88328
Ion Ratio Lower Upper
41 100
69 40.1 66.7 100.1#
39 51.6 50.1 75.1



#50
Toluene-d8
Concen: 54.046 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion: 98 Resp: 424600
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.2

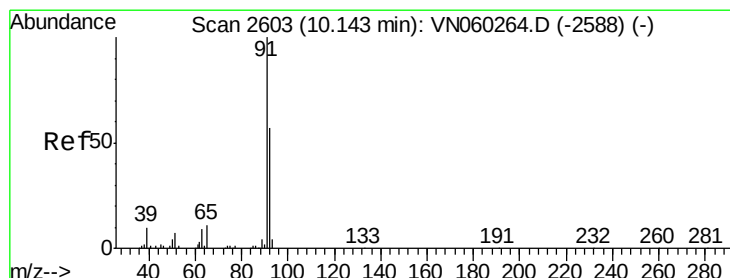
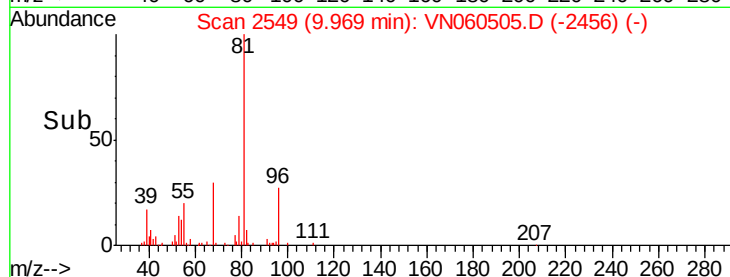
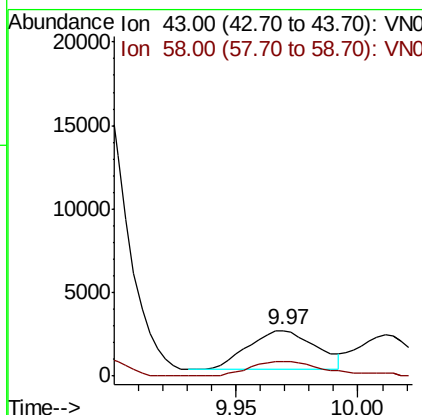
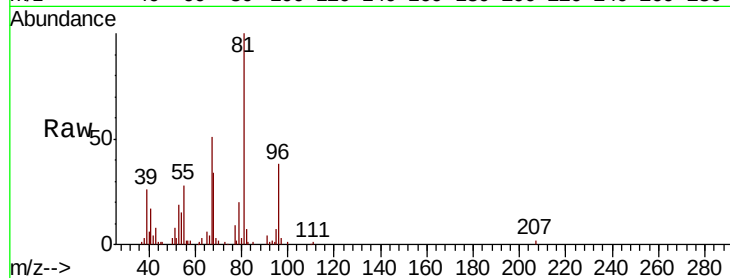




#51
 4-Methyl-2-Pentanone
 Concen: 1.525 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

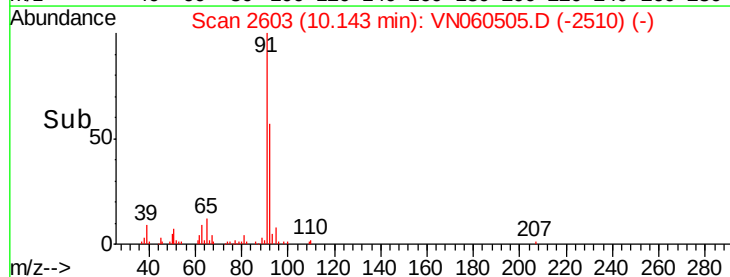
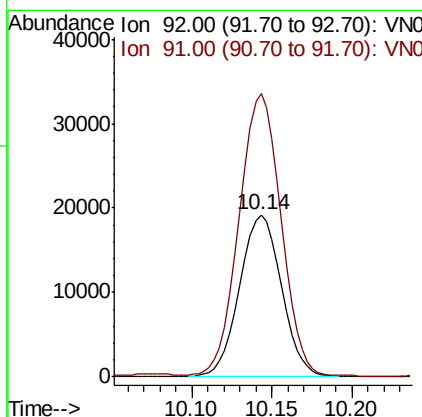
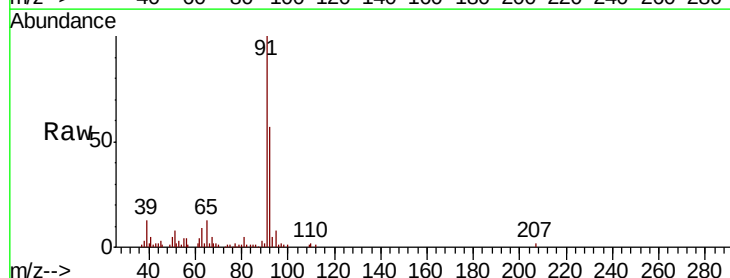
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-SA

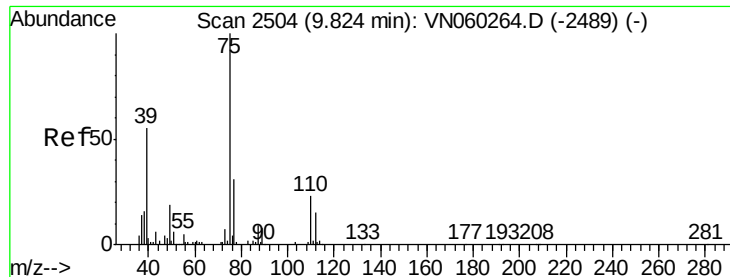
Tot Ion: 43 Resp: 4569
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.9 46.3



#52
 Toluene
 Concen: 5.891 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

Tgt Ion: 92 Resp: 34328
 Ion Ratio Lower Upper
 92 100
 91 176.6 138.1 207.1





#54

cis-1,3-Dichloropropene

Concen: 4.465 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

TP-14-SA

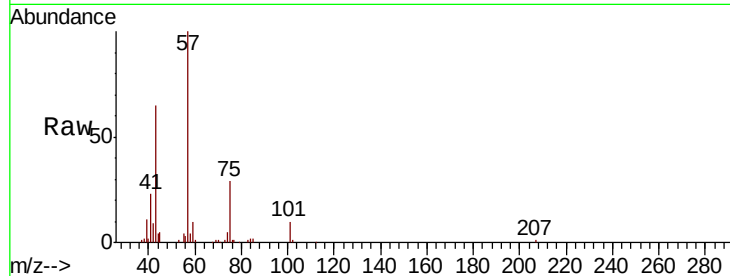
Tot Ion: 75 Resp: 18145

Ion Ratio Lower Upper

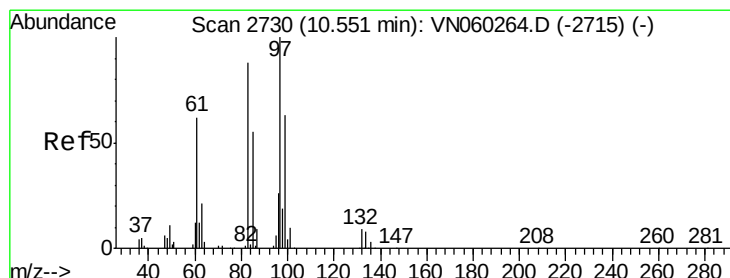
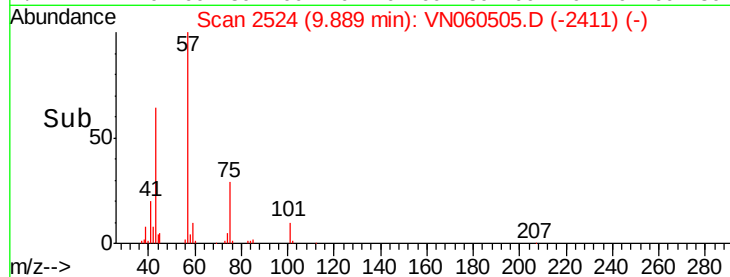
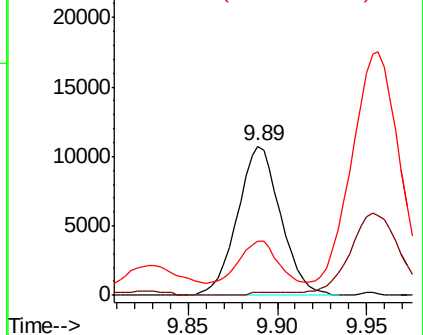
75 100

77 1.8 24.8 37.2#

39 25.6 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: 13.974 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. -0.03 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Tgt Ion: 97 Resp: 32746

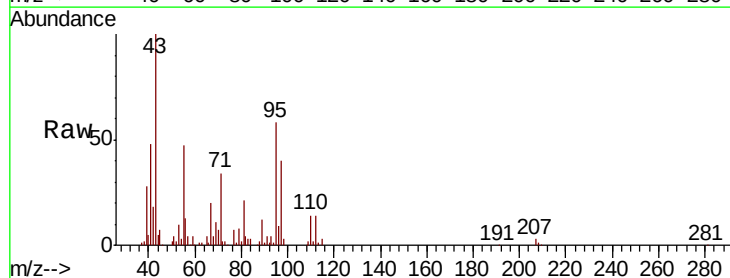
Ion Ratio Lower Upper

97 100

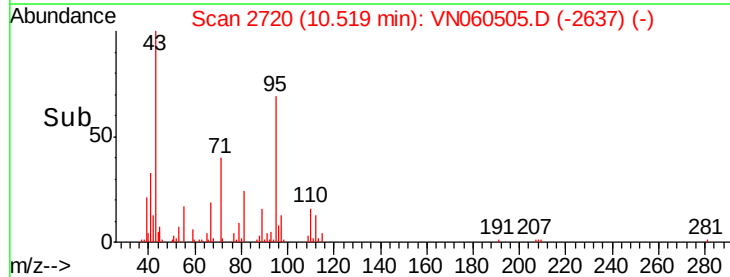
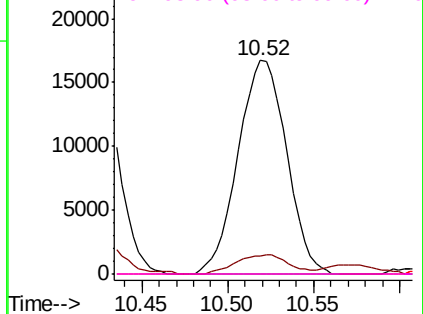
83 8.5 70.0 105.0#

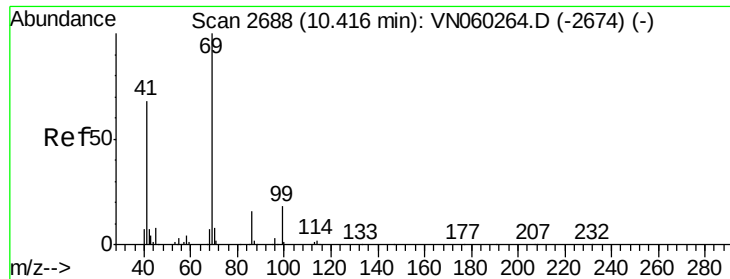
85 0.0 44.0 66.0#

99 0.0 50.4 75.6#



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO

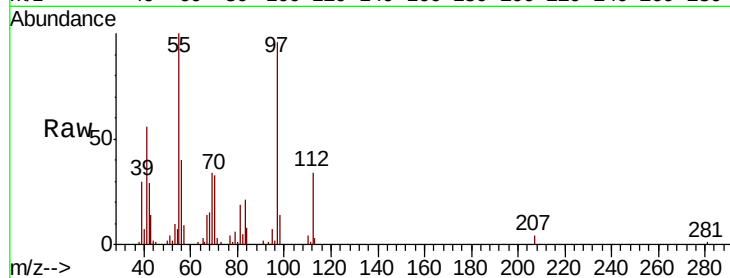




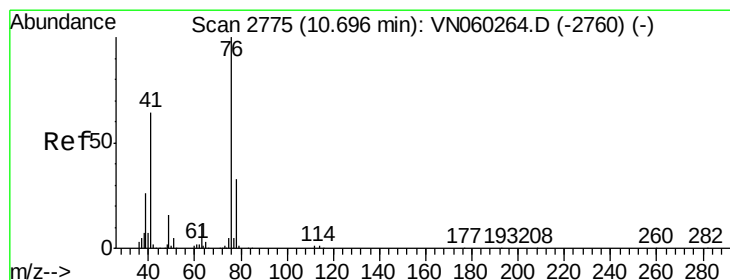
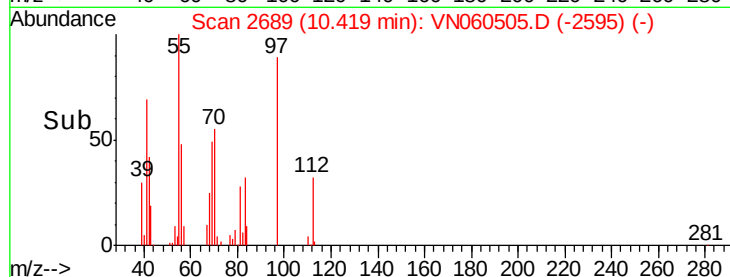
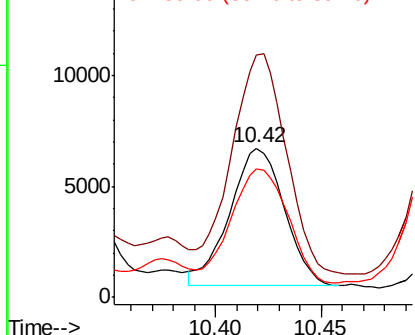
#56
Ethyl methacrylate
Concen: 3.310 ug/l
RT: 10.42 min Scan# 2689
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Instrument :
MSVOA_N
ClientSampled :
TP-14-SA

Tot Ion: 69 Resp: 11142
Ion Ratio Lower Upper
69 100
41 160.5 54.1 81.1#
39 91.1 32.5 48.7#

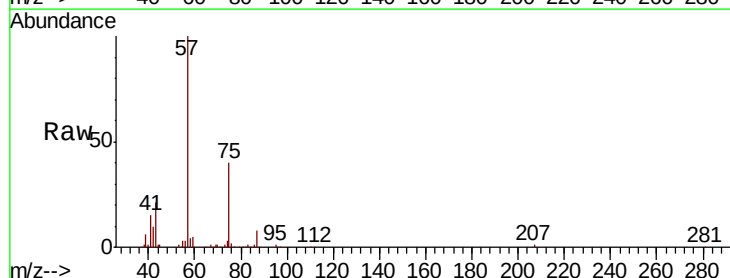


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

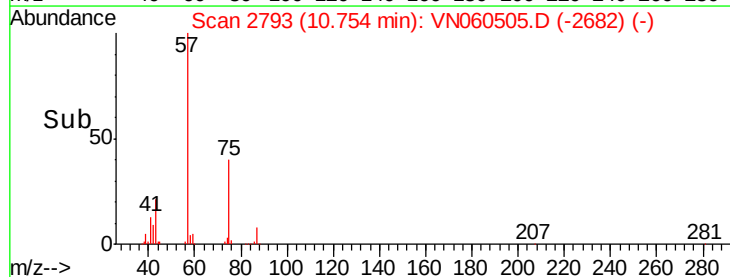
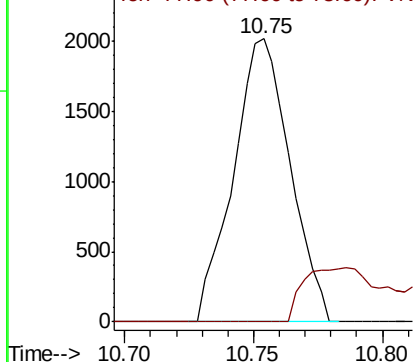


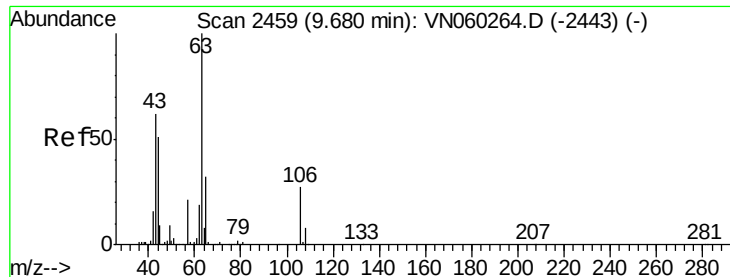
#57
1,3-Dichloropropane
Concen: 0.808 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.06 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion: 76 Resp: 3087
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

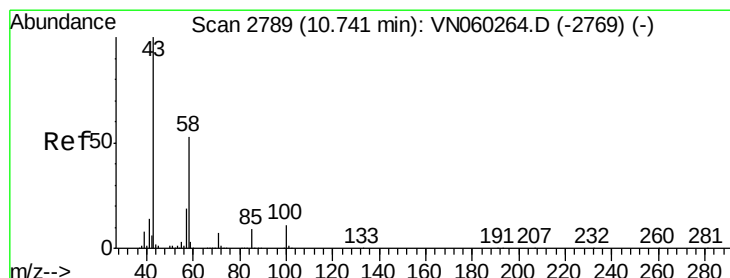
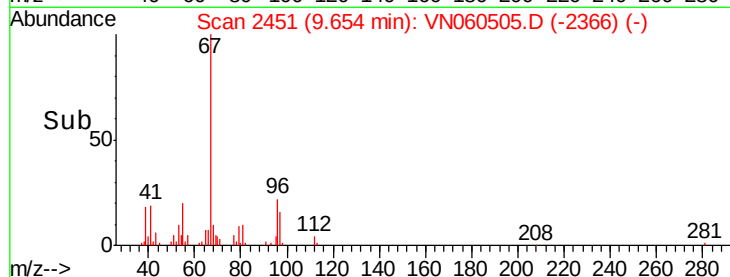
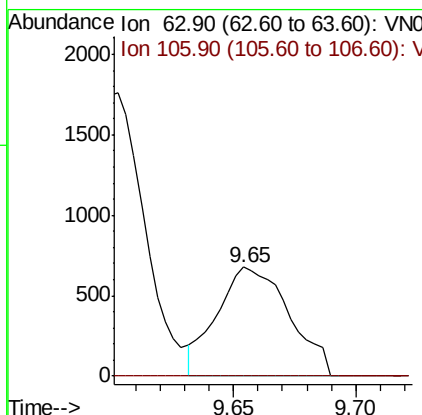
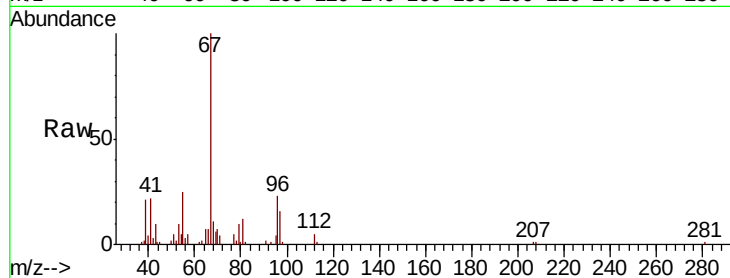




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.791 ug/l
 RT: 9.65 min Scan# 2451
 Delta R.T. -0.03 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

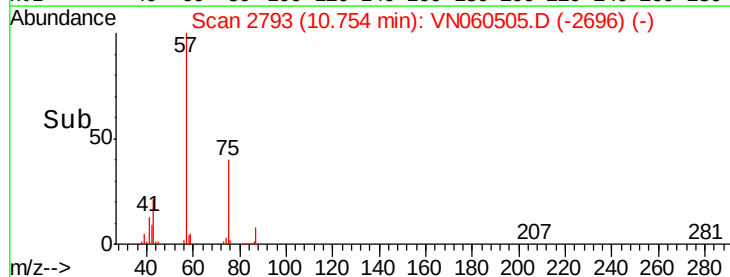
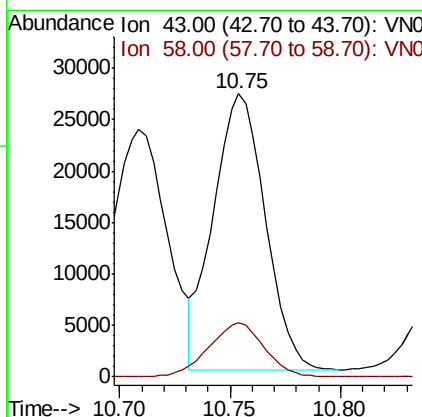
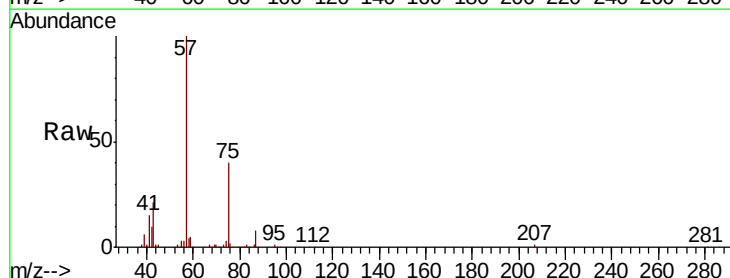
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-SA

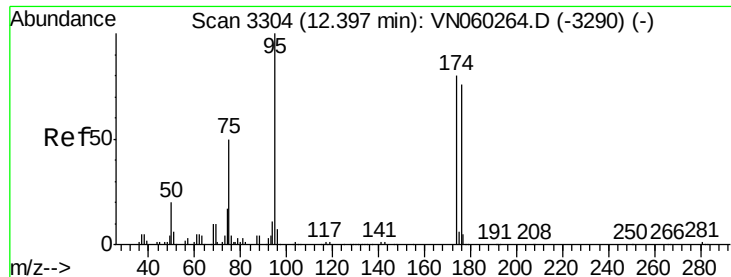
Tot Ion: 63 Resp: 1392
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.1 31.7#



#59
 2-Hexanone
 Concen: 19.885 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

Tgt Ion: 43 Resp: 43736
 Ion Ratio Lower Upper
 43 100
 58 20.9 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 55.350 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

TP-14-SA

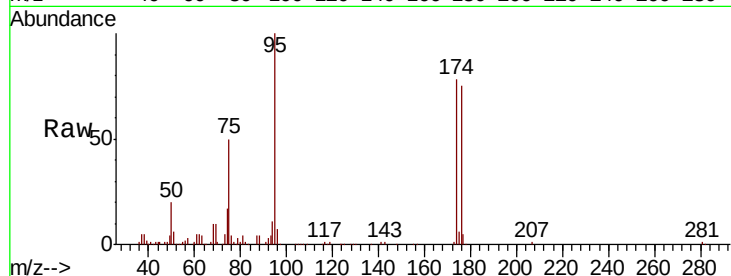
Tot Ion: 95 Resp: 164840

Ion Ratio Lower Upper

95 100

174 77.5 0.0 159.2

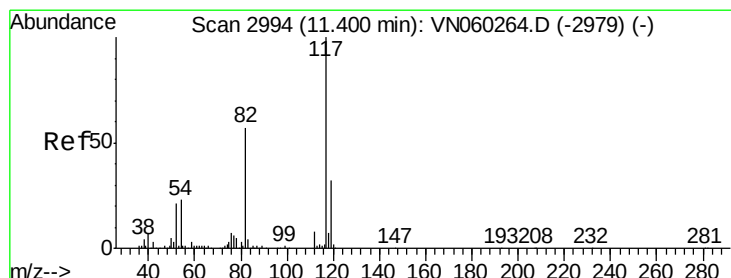
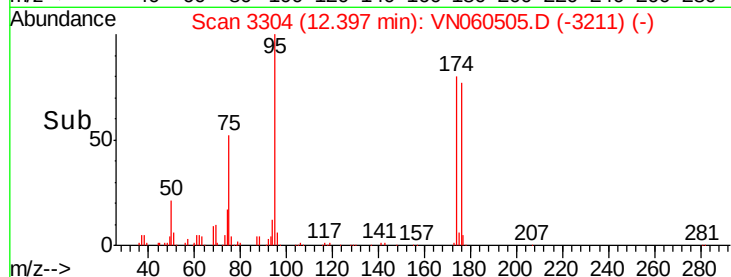
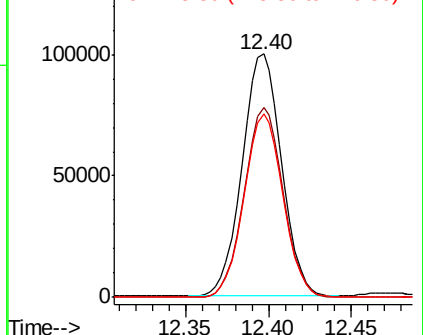
176 74.9 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060505.D (-2901) (-)

Ion 173.80 (173.50 to 174.50): VN060505.D (-2901) (-)

Ion 175.80 (175.50 to 176.50): VN060505.D (-2901) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

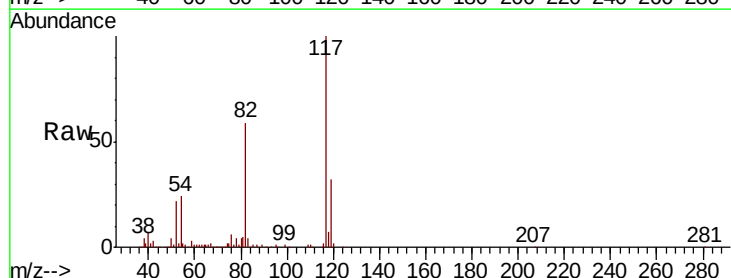
Tgt Ion: 117 Resp: 319161

Ion Ratio Lower Upper

117 100

82 59.2 45.8 68.6

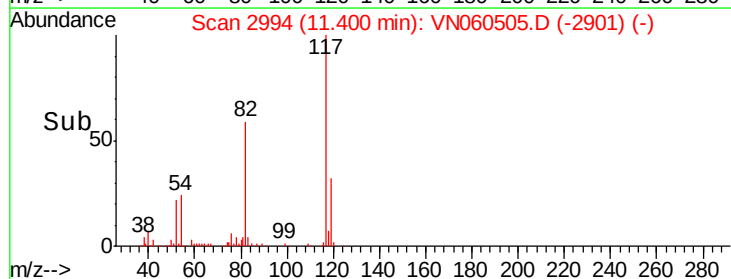
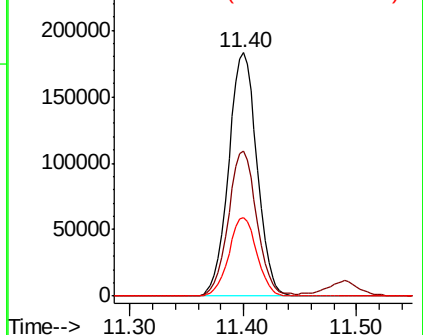
119 32.3 25.8 38.8

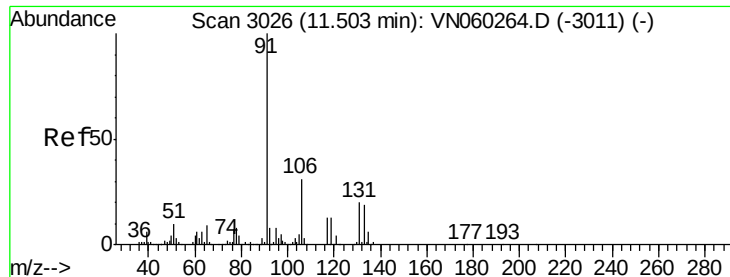


Abundance Ion 116.90 (116.60 to 117.60): VN060505.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060505.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060505.D (-2901) (-)





#67

Ethyl Benzene

Concen: 72.236 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

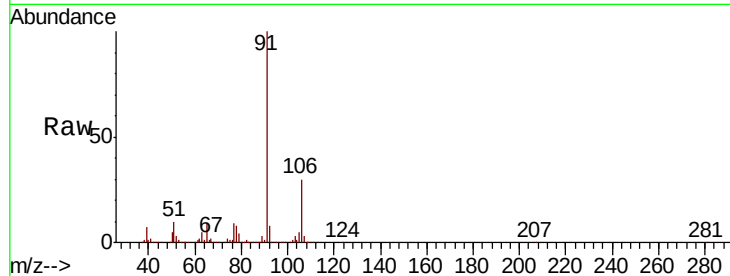
TP-14-SA

Tot Ion: 91 Resp: 847778

Ion Ratio Lower Upper

91 100

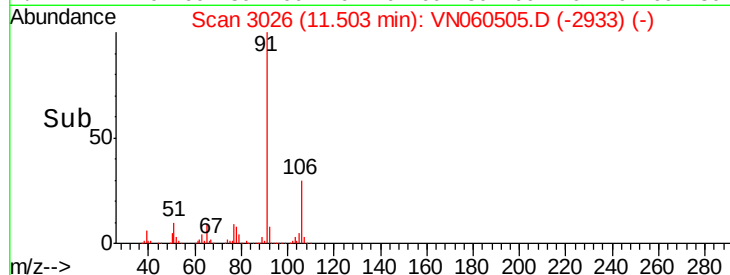
106 30.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3011) (-)

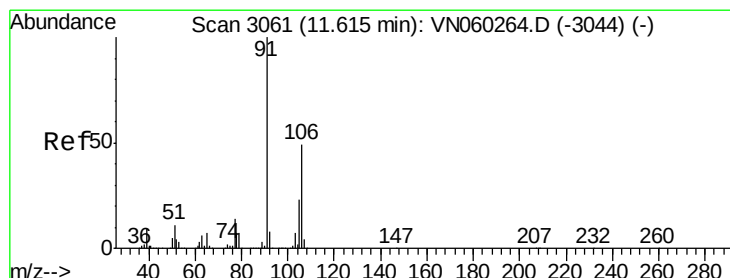
Ion 106.00 (105.70 to 106.70): VN060264.D (-3011) (-)

Time-->



Abundance

Time-->



#68

m/p-Xylenes

Concen: 134.932 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060505.D

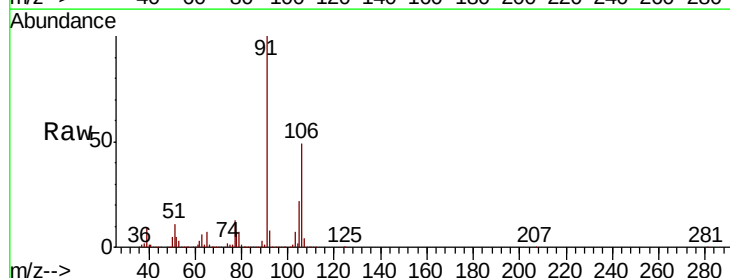
Acq: 13 Mar 2020 16:12

Tgt Ion: 106 Resp: 597480

Ion Ratio Lower Upper

106 100

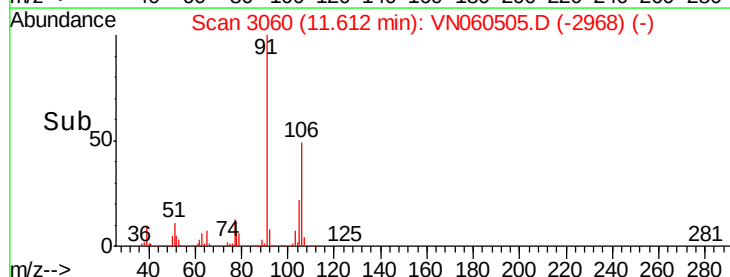
91 204.8 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060264.D (-3044) (-)

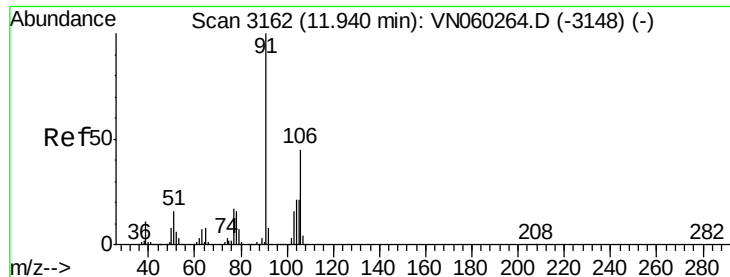
Ion 91.00 (90.70 to 91.70): VN060264.D (-3044) (-)

Time-->



Abundance

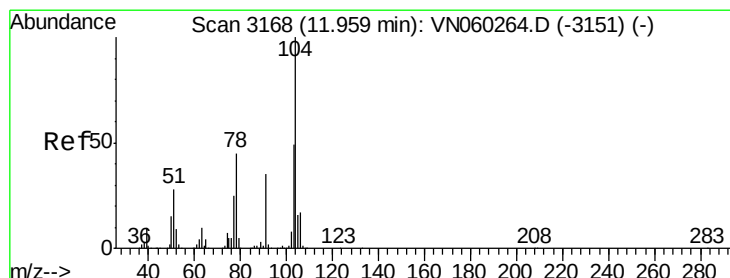
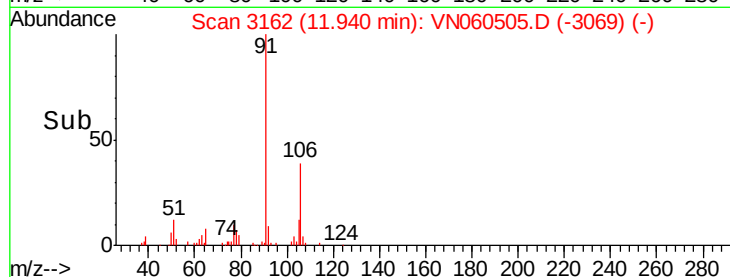
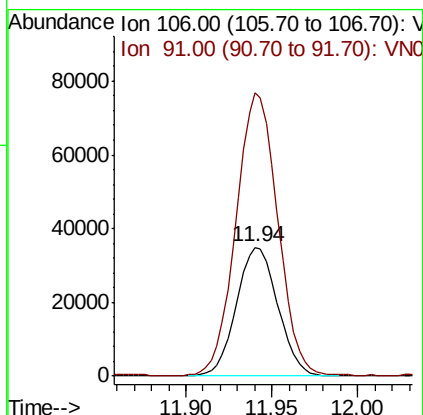
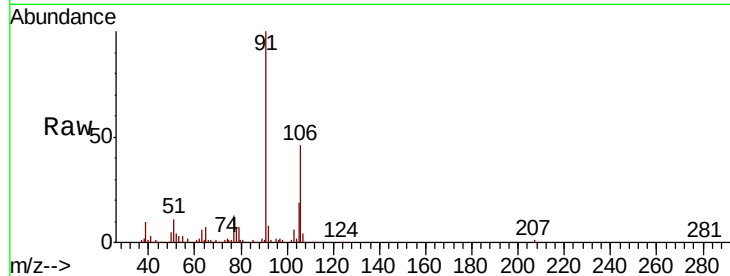
Time-->



#69
o-Xylene
Concen: 13.841 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

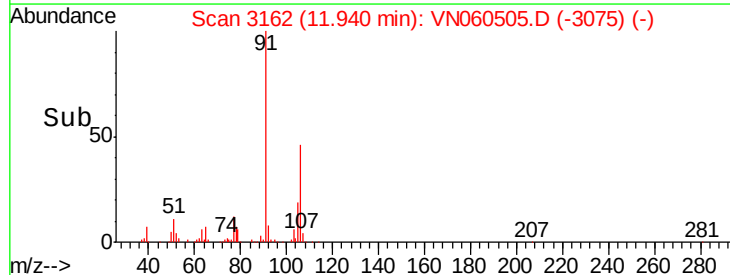
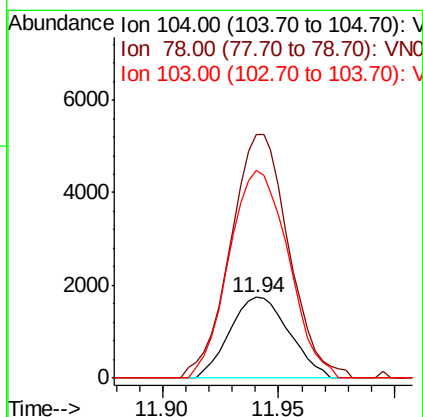
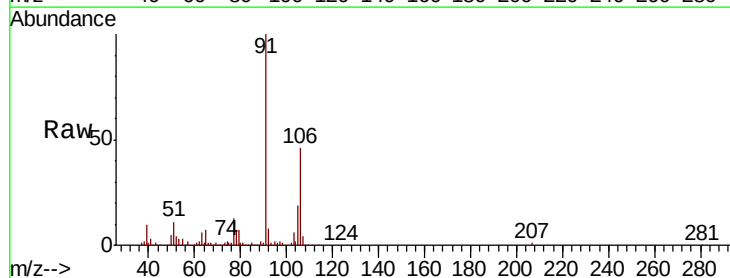
Instrument :
MSVOA_N
ClientSampled :
TP-14-SA

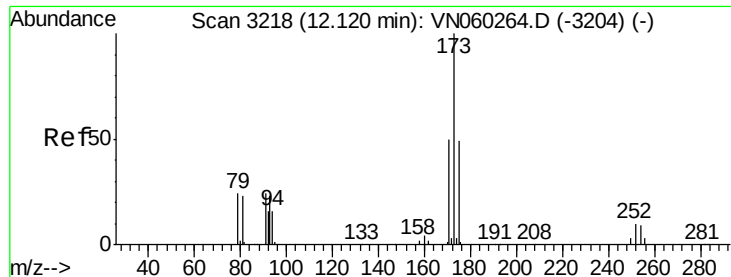
Tot Ion:106 Resp: 58443
Ion Ratio Lower Upper
106 100
91 220.5 109.5 328.4



#70
Styrene
Concen: 0.447 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.02 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion:104 Resp: 3103
Ion Ratio Lower Upper
104 100
78 296.1 41.2 61.8#
103 257.6 43.9 65.9#

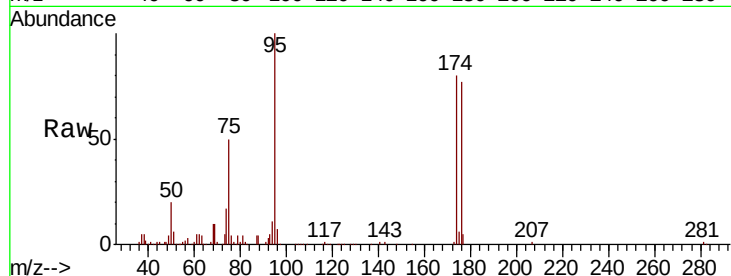




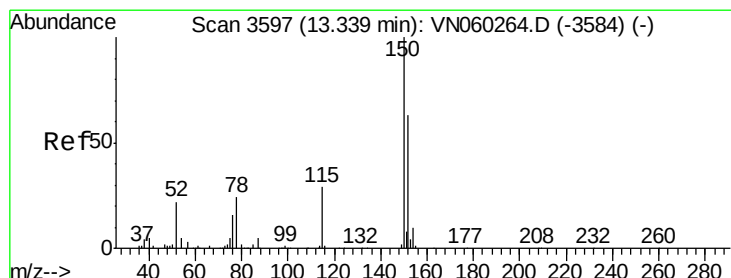
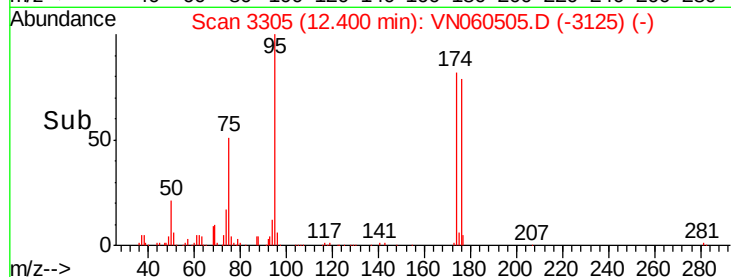
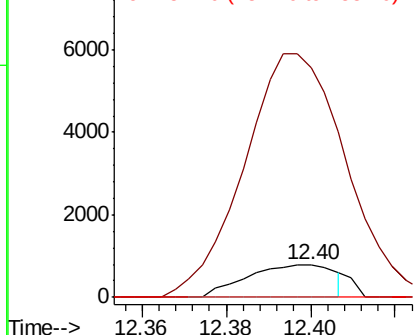
#71
Bromoform
Concen: 0.658 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Instrument :
MSVOA_N
ClientSampleId :
TP-14-SA

Tot Ion:173 Resp: 1130
Ion Ratio Lower Upper
173 100
175 749.6 24.1 72.2#
254 0.0 0.0 0.0

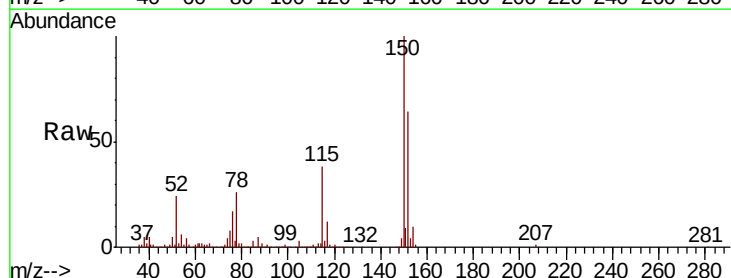


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

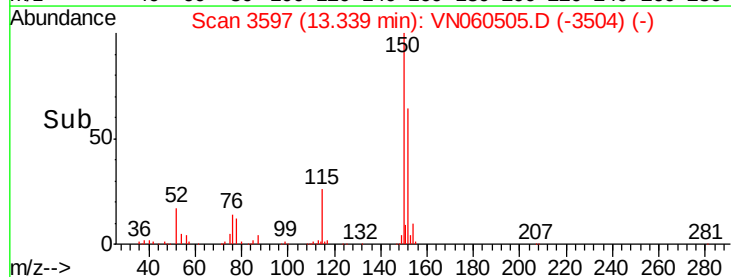
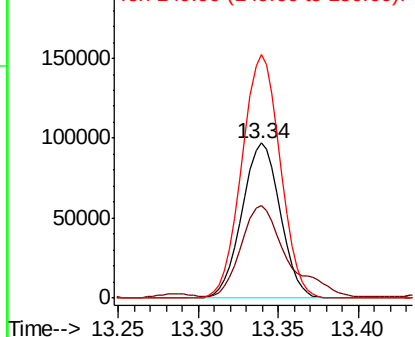


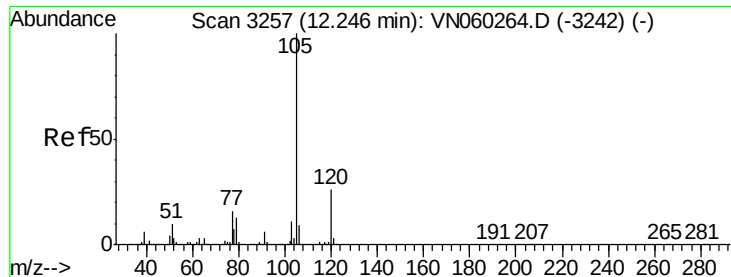
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060505.D
Acq: 13 Mar 2020 16:12

Tgt Ion:152 Resp: 158123
Ion Ratio Lower Upper
152 100
115 72.1 30.0 90.0
150 157.4 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: 17.702 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

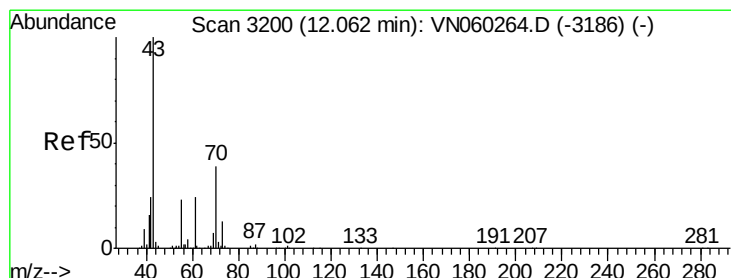
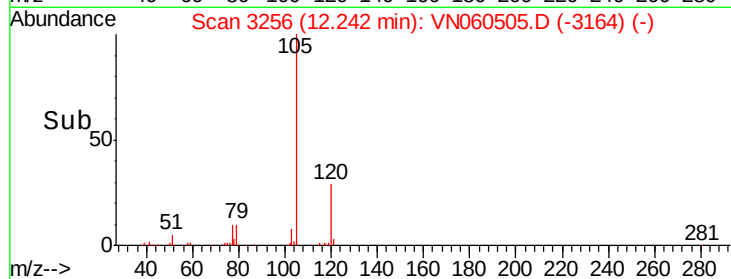
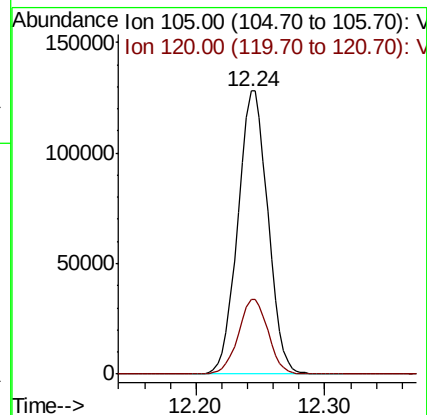
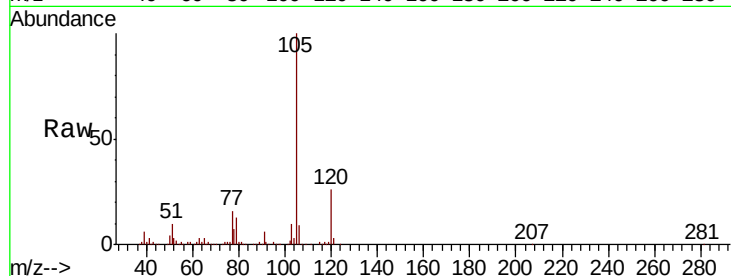
TP-14-SA

Tot Ion:105 Resp: 207462

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 1.115 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Tgt Ion: 43 Resp: 5712

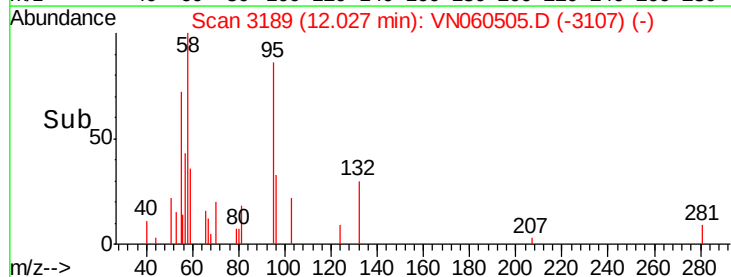
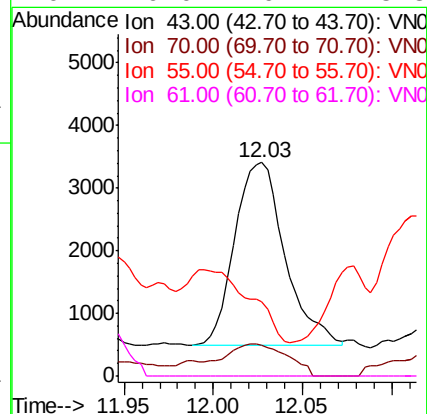
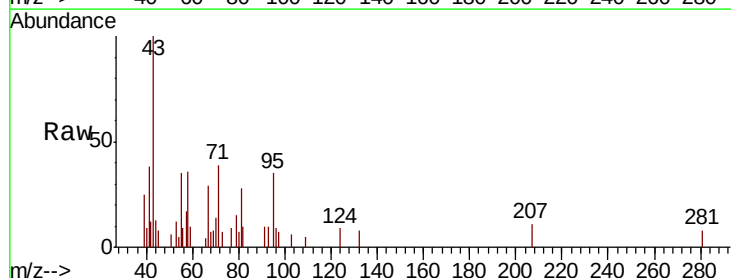
Ion Ratio Lower Upper

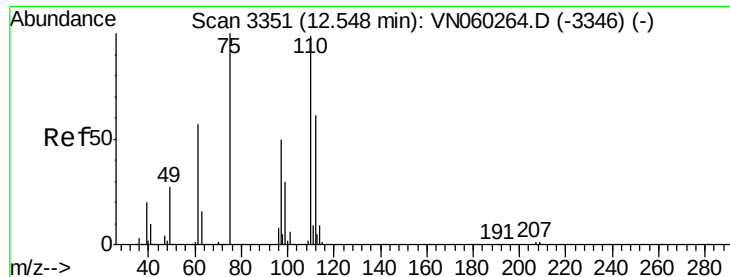
43 100

70 20.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 1.144 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.10 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

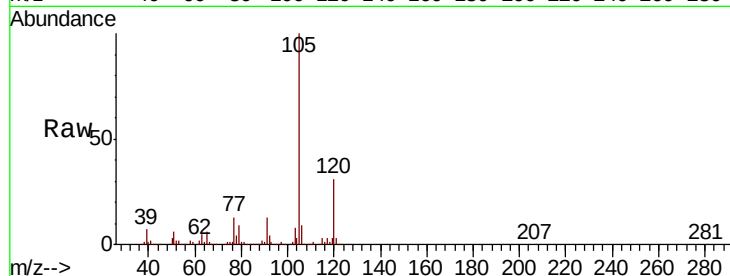
TP-14-SA

Tot Ion: 75 Resp: 3968

Ion Ratio Lower Upper

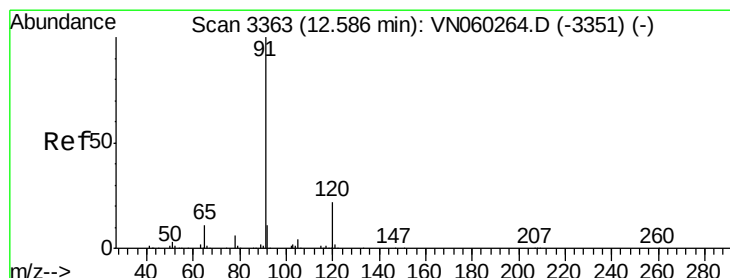
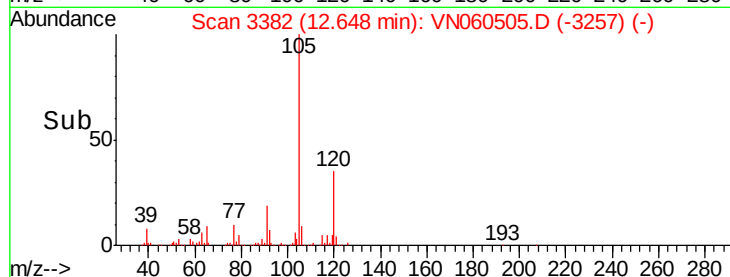
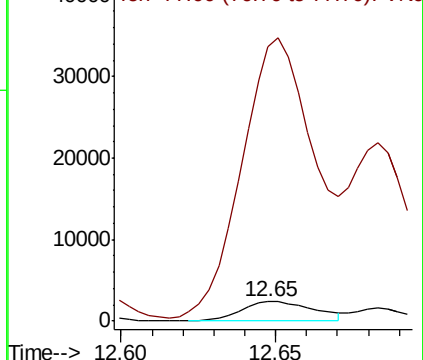
75 100

77 1432.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060505.D (-3382) (-)

Ion 77.00 (76.70 to 77.70): VN060505.D (-3382) (-)



#78

n-propylbenzene

Concen: 15.100 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060505.D

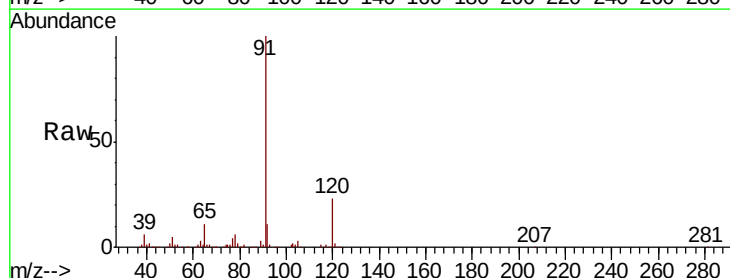
Acq: 13 Mar 2020 16:12

Tgt Ion: 91 Resp: 207448

Ion Ratio Lower Upper

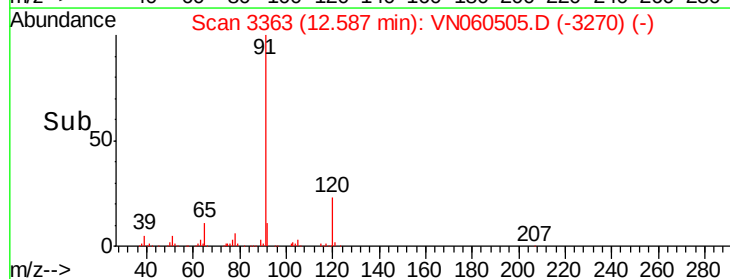
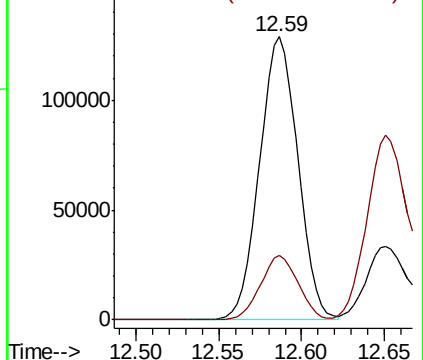
91 100

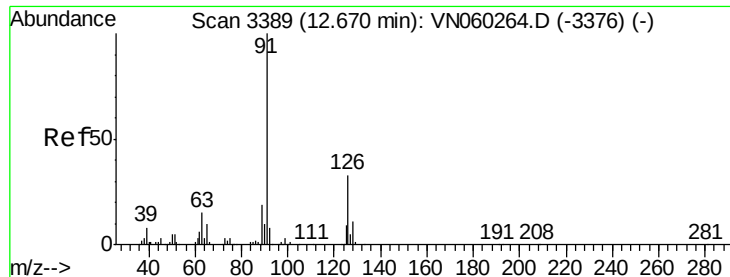
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN060505.D (-3363) (-)

Ion 120.00 (119.70 to 120.70): VN060505.D (-3363) (-)





#79

2-Chlorotoluene

Concen: 7.022 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

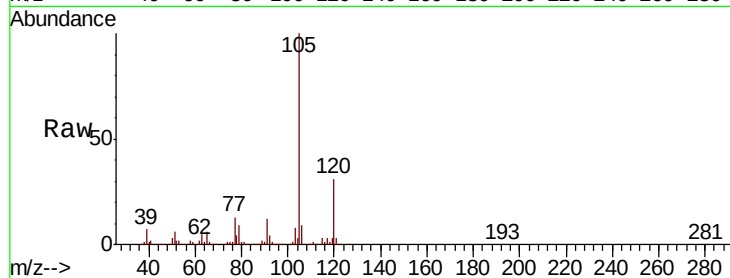
TP-14-SA

Tot Ion: 91 Resp: 56706

Ion Ratio Lower Upper

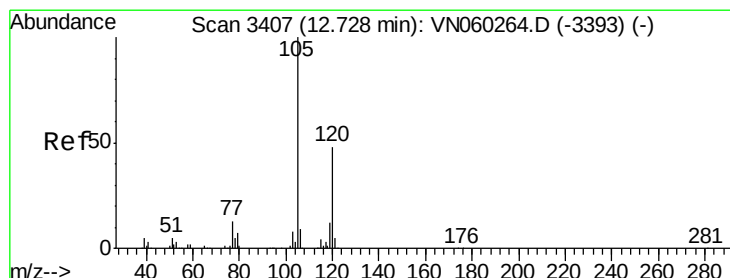
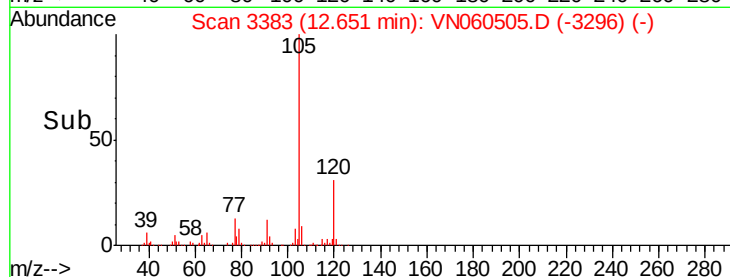
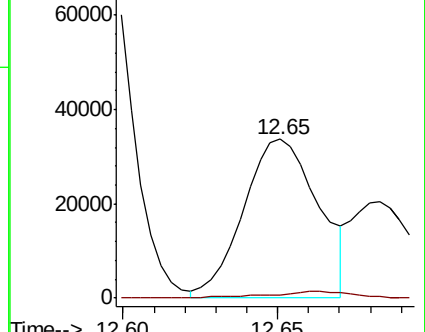
91 100

126 4.8 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 29.847 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060505.D

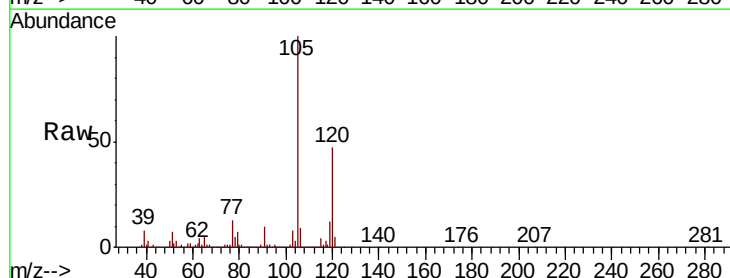
Acq: 13 Mar 2020 16:12

Tgt Ion:105 Resp: 294519

Ion Ratio Lower Upper

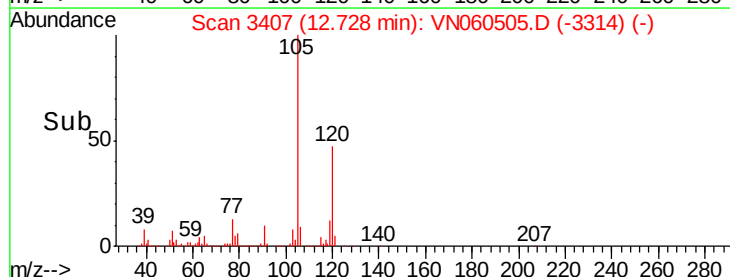
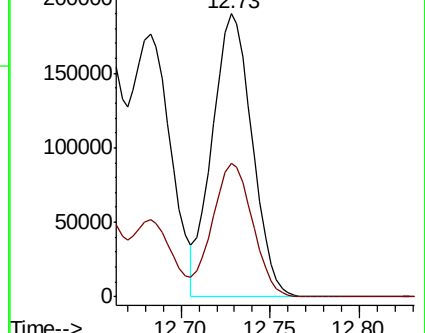
105 100

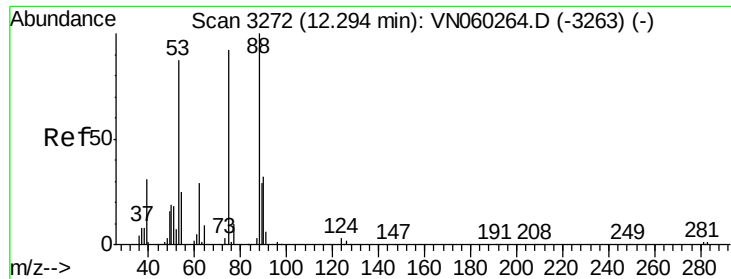
120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.314 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

TP-14-SA

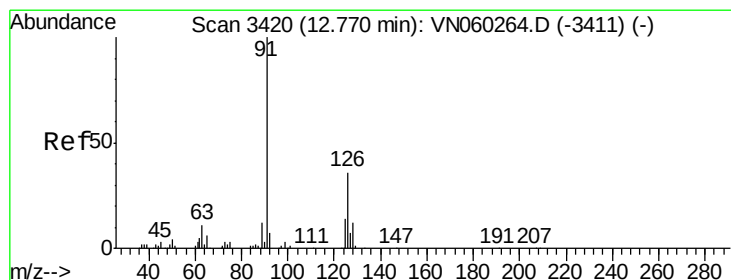
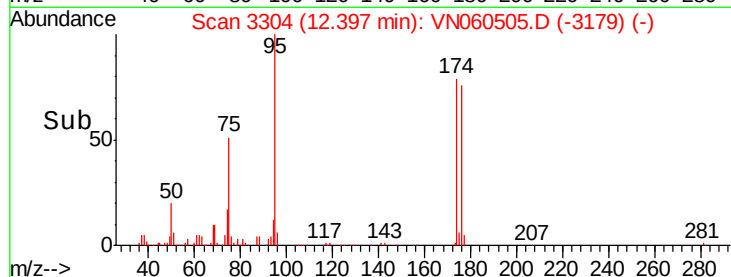
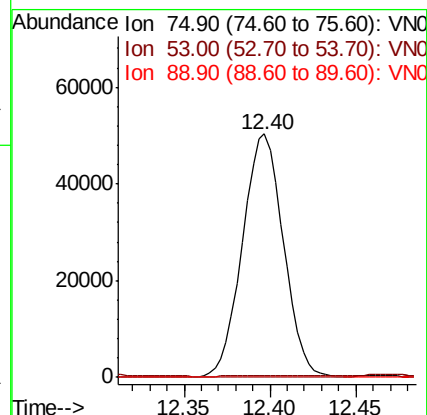
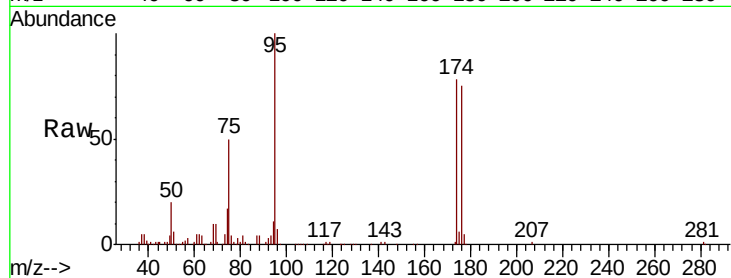
Tot Ion: 75 Resp: 83340

Ion Ratio Lower Upper

75 100

53 0.5 73.8 110.6#

89 0.0 57.1 85.7#



#82

4-Chlorotoluene

Concen: 3.592 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.04 min

Lab File: VN060505.D

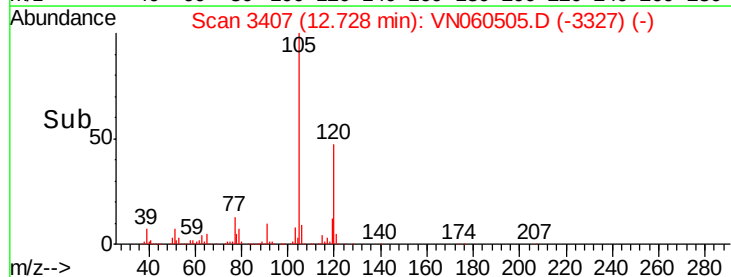
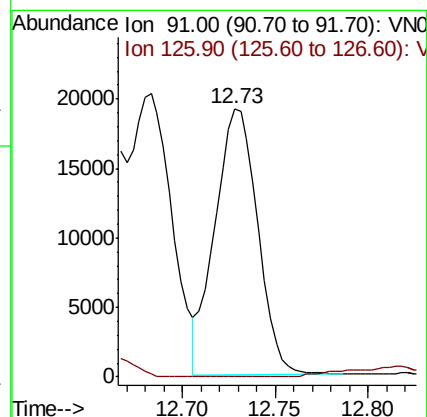
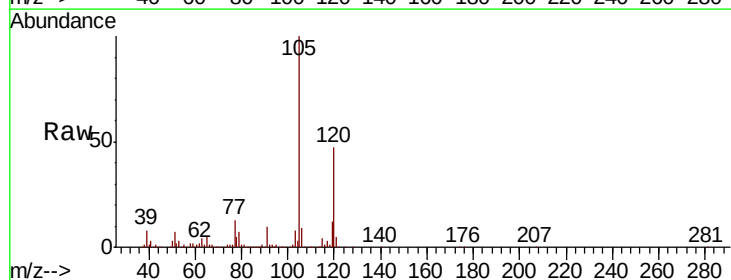
Acq: 13 Mar 2020 16:12

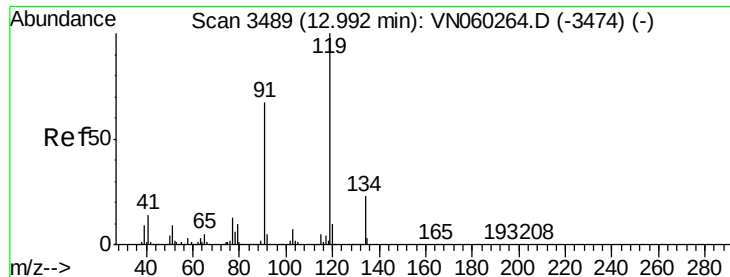
Tgt Ion: 91 Resp: 30557

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#





#83

tert-Butylbenzene

Concen: 0.923 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

TP-14-SA

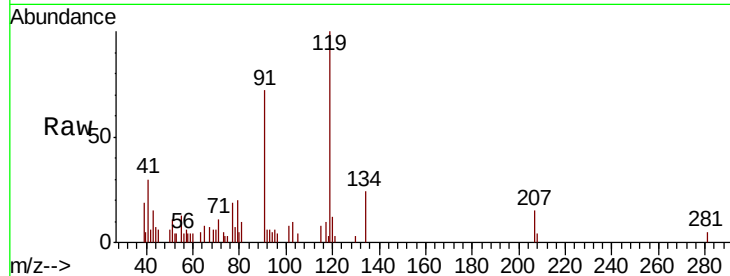
Tot Ion:119 Resp: 7883

Ion Ratio Lower Upper

119 100

91 69.2 33.1 99.2

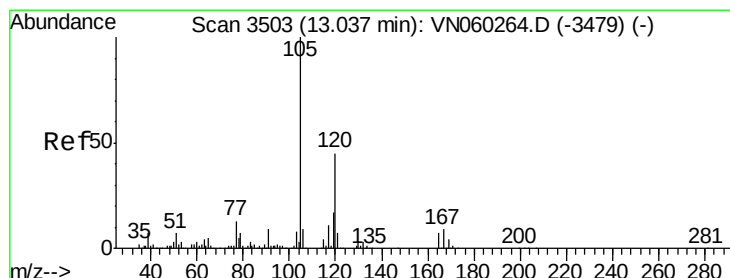
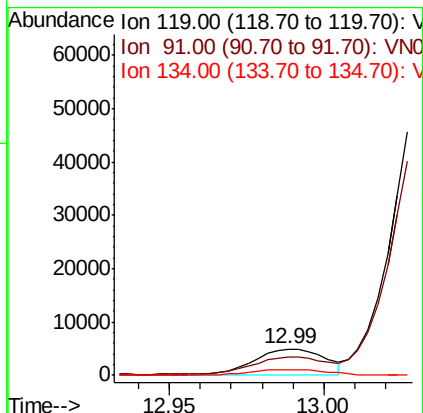
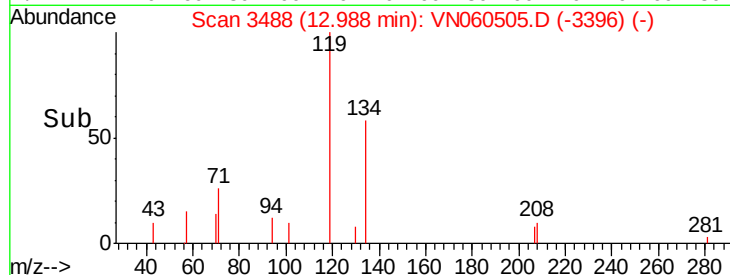
134 22.7 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 82.537 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060505.D

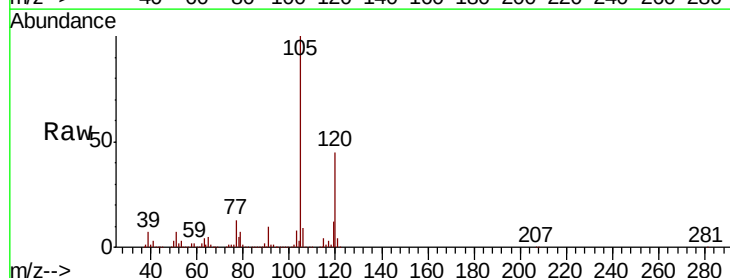
Acq: 13 Mar 2020 16:12

Tgt Ion:105 Resp: 822051

Ion Ratio Lower Upper

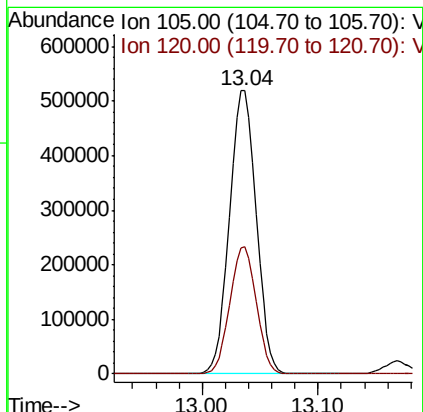
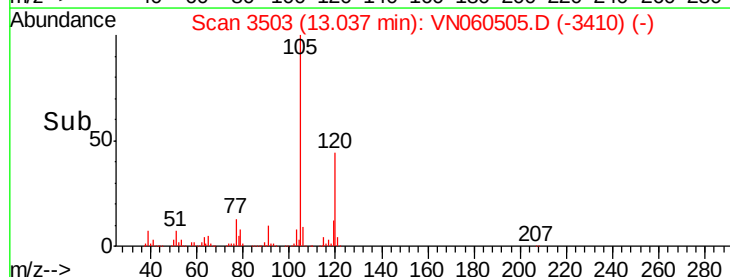
105 100

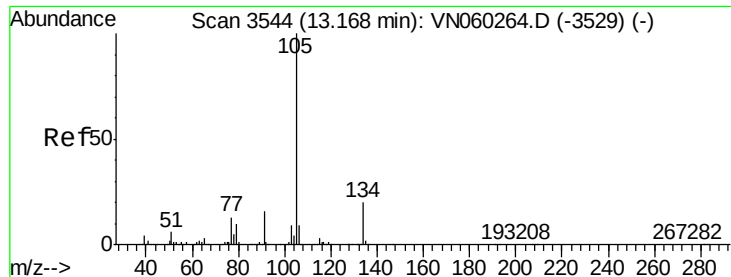
120 44.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.190 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

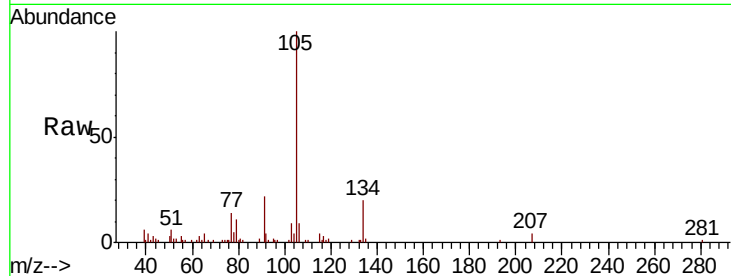
TP-14-SA

Tot Ion:105 Resp: 36496

Ion Ratio Lower Upper

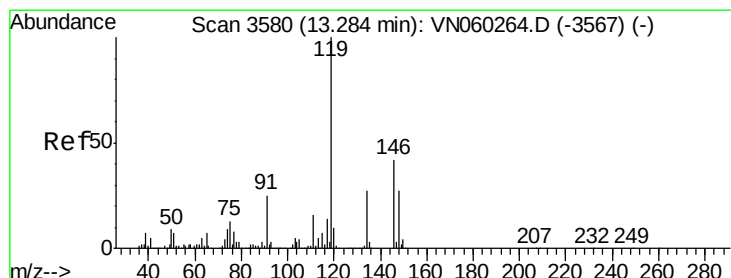
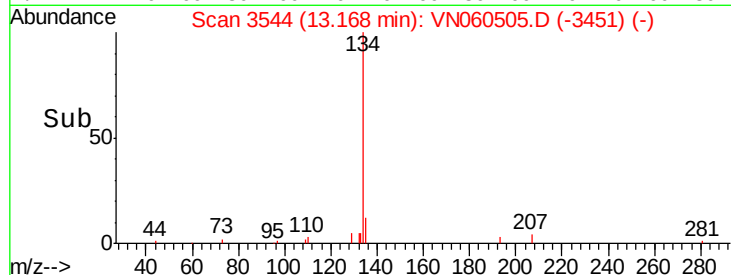
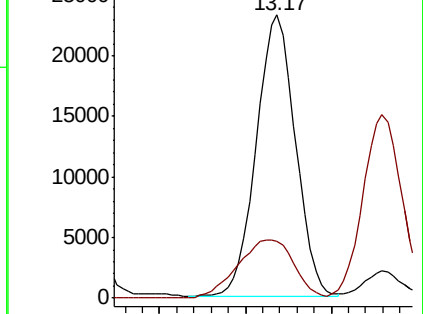
105 100

134 29.9 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.082 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

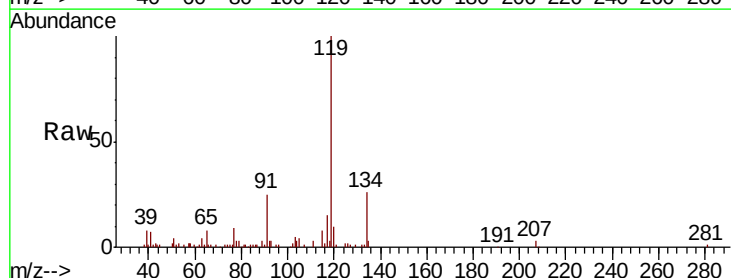
Tgt Ion:119 Resp: 53810

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

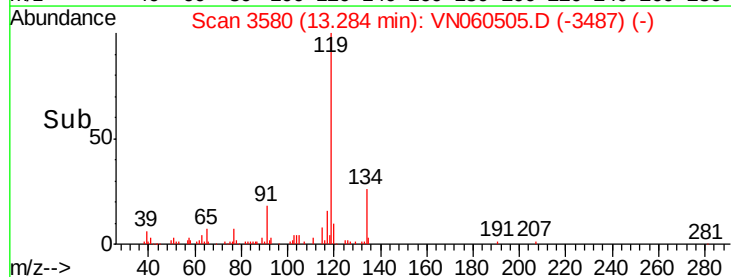
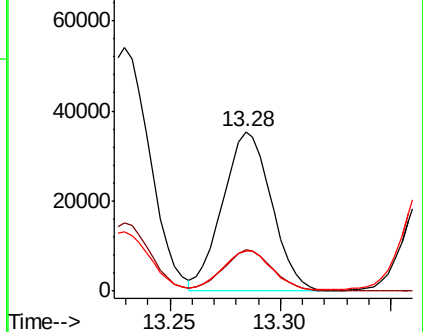
91 24.2 12.2 36.6

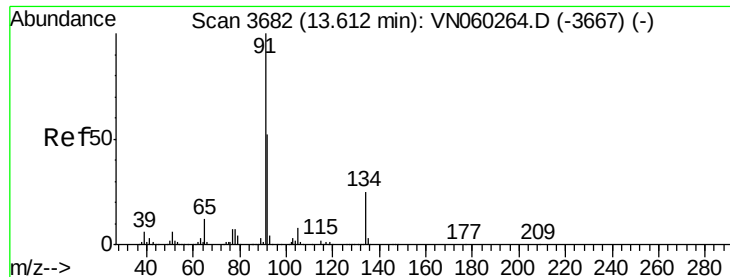


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.994 ug/l

RT: 13.58 min Scan# 3672

Delta R.T. -0.03 min

Lab File: VN060505.D

Acq: 13 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

TP-14-SA

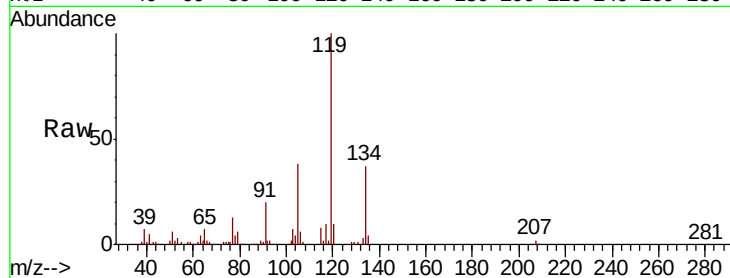
Tot Ion: 91 Resp: 9662

Ion Ratio Lower Upper

91 100

92 0.0 26.0 78.0#

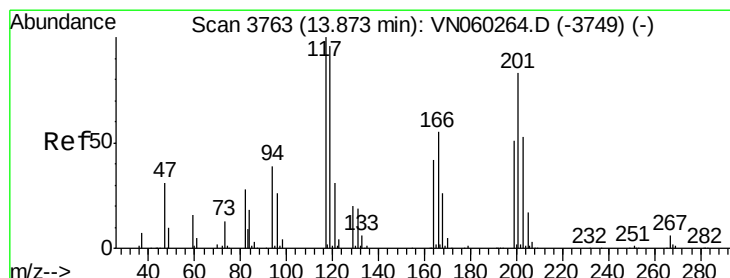
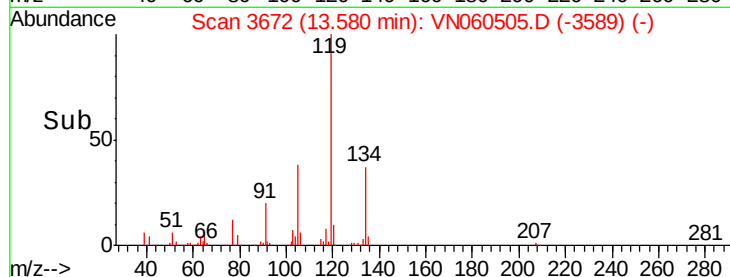
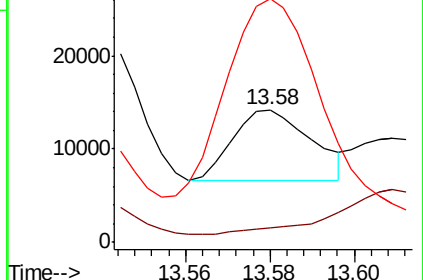
134 495.8 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VN060505.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN060505.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN060505.D (-3672) (-)



#90

Hexachloroethane

Concen: 6.216 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN060505.D

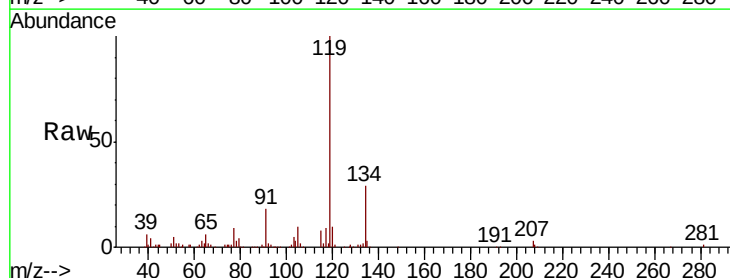
Acq: 13 Mar 2020 16:12

Tgt Ion: 117 Resp: 9527

Ion Ratio Lower Upper

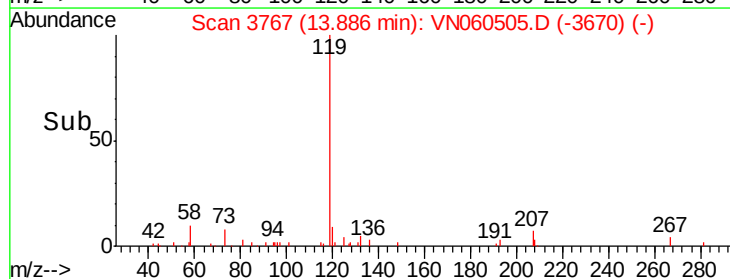
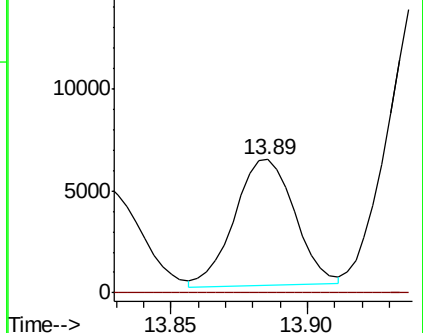
117 100

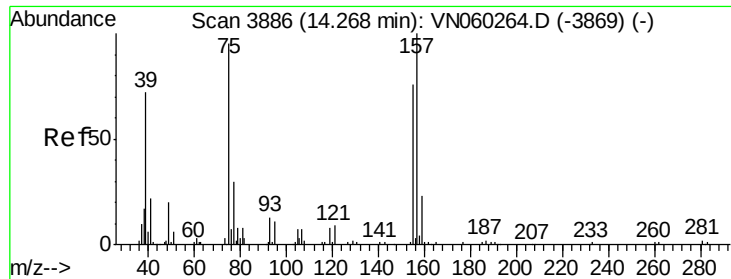
201 0.0 41.0 123.0#



Abundance Ion 116.80 (116.50 to 117.50): VN060505.D (-3767) (-)

Ion 200.70 (200.40 to 201.40): VN060505.D (-3767) (-)

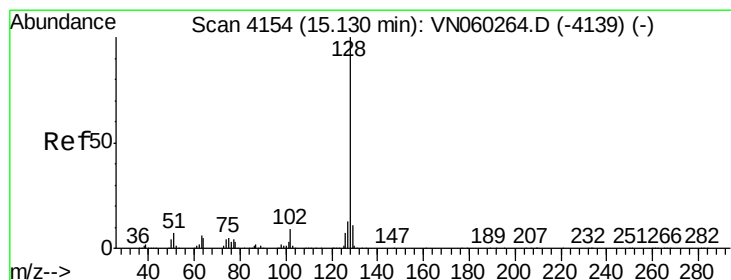
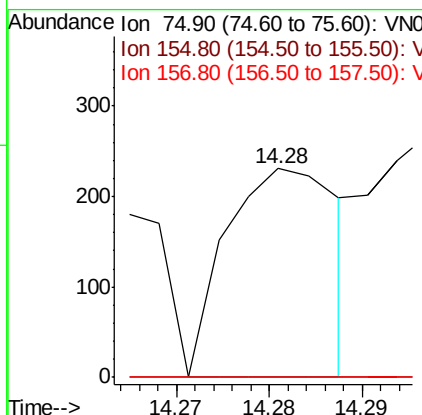
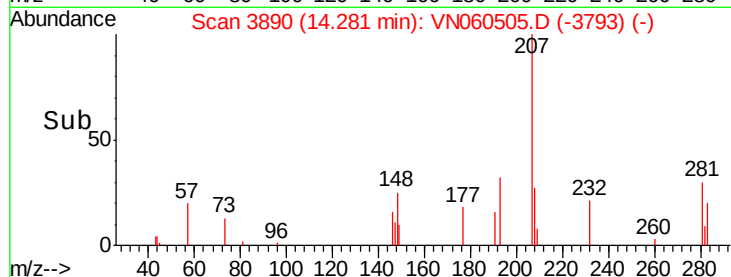
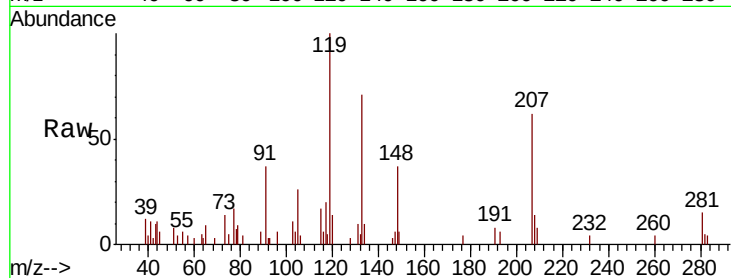




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.269 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.01 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-SA

Tot Ion: 75 Resp: 194
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.2#
 157 0.0 52.5 157.5#



#95
 Naphthalene
 Concen: 15.003 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060505.D
 Acq: 13 Mar 2020 16:12

Tgt Ion: 128 Resp: 143142
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.4 15.6
 129 11.5 8.6 13.0

