

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060927.D
 Acq On : 14 Apr 2020 12:52
 Operator : JC/MD
 Sample : VN0414WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

Quant Time: Apr 15 07:42:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	143753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	236421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	215378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	100857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	108466	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	7.56	113	81834	57.24	ug/l	0.00
Spiked Amount			Recovery	=	114.48%	
50) Toluene-d8	10.08	98	321623	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	
62) 4-Bromofluorobenzene	12.39	95	119052	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	28131	20.224	ug/l	98
3) Chloromethane	2.04	50	51548	19.843	ug/l	99
4) Vinyl Chloride	2.17	62	41645	20.496	ug/l	99
5) Bromomethane	2.55	94	20729	23.633	ug/l	100
6) Chloroethane	2.69	64	25705	21.961	ug/l	97
7) Trichlorofluoromethane	3.00	101	55777	22.284	ug/l	97
8) Diethyl Ether	3.38	74	24117	23.985	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34443	23.748	ug/l	99
10) Methyl Iodide	3.92	142	26621	20.627	ug/l	99
11) Tert butyl alcohol	4.72	59	33355	114.928	ug/l	98
12) 1,1-Dichloroethene	3.72	96	34643	22.258	ug/l	98
13) Acrolein	3.58	56	29797	92.636	ug/l	99
14) Allyl chloride	4.29	41	65136	23.795	ug/l	97
15) Acrylonitrile	4.94	53	102700	120.338	ug/l	100
16) Acetone	3.78	43	101802	145.635	ug/l	98
17) Carbon Disulfide	4.03	76	92679	19.580	ug/l	100
18) Methyl Acetate	4.29	43	50670	25.753	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	127553	23.837	ug/l	95
20) Methylene Chloride	4.52	84	39846	23.172	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	36920	22.257	ug/l	96
22) Diisopropyl ether	5.91	45	148171	25.621	ug/l	99
23) Vinyl Acetate	5.86	43	591971	125.454	ug/l	99
24) 1,1-Dichloroethane	5.82	63	76775	24.352	ug/l	99
25) 2-Butanone	6.80	43	142255	125.763	ug/l	98
26) 2,2-Dichloropropane	6.79	77	65452	26.386	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44052	23.370	ug/l	97
28) Bromochloromethane	7.17	49	40427	26.801	ug/l	96
29) Tetrahydrofuran	7.18	42	94566	118.160	ug/l	97
30) Chloroform	7.35	83	72591	24.018	ug/l	100
31) Cyclohexane	7.63	56	70842	22.289	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	61161	23.474	ug/l	97
36) 1,1-Dichloropropene	7.77	75	55066	24.054	ug/l	99
37) Ethyl Acetate	6.89	43	58606	23.692	ug/l	99
38) Carbon Tetrachloride	7.75	117	46949	22.882	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64517	23.715	ug/l	97
40) Benzene	8.02	78	165599	23.962	ug/l	99
41) Methacrylonitrile	7.18	41	84482	80.027	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57338	24.277	ug/l	99
43) Isopropyl Acetate	8.14	43	101025	24.764	ug/l	99
44) Trichloroethene	8.81	130	41348	23.734	ug/l	98
45) 1,2-Dichloropropane	9.10	63	46607	25.559	ug/l	96
46) Dibromomethane	9.19	93	26832	24.339	ug/l	99
47) Bromodichloromethane	9.38	83	56504	24.665	ug/l	98
48) Methyl methacrylate	9.18	41	43420	23.906	ug/l	98
49) 1,4-Dioxane	9.18	88	10616	491.734	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	292676	126.077	ug/l	98
52) Toluene	10.14	92	99493	23.838	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	66868	25.411	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	71276	24.690	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39486	24.592	ug/l	98
56) Ethyl methacrylate	10.42	69	61816	24.691	ug/l	98
57) 1,3-Dichloropropane	10.70	76	68189	24.473	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	118546	95.270	ug/l	98
59) 2-Hexanone	10.74	43	210475	125.865	ug/l	99
60) Dibromochloromethane	10.89	129	40489	24.412	ug/l	100
61) 1,2-Dibromoethane	10.99	107	38562	23.884	ug/l	100
64) Tetrachloroethene	10.62	164	37111	21.896	ug/l	99
65) Chlorobenzene	11.42	112	101561	23.787	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	37759	24.425	ug/l	99
67) Ethyl Benzene	11.50	91	191258	24.088	ug/l	99
68) m/p-Xylenes	11.61	106	139015	47.115	ug/l	97
69) o-Xylene	11.94	106	68025	24.151	ug/l	99
70) Styrene	11.96	104	109614	23.795	ug/l	99
71) Bromoform	12.12	173	27928	22.686	ug/l #	99
73) Isopropylbenzene	12.24	105	184294	24.349	ug/l	99
74) N-amyl acetate	12.06	43	82814	23.678	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57074	24.935	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	76353	35.084	ug/l #	100
77) Bromobenzene	12.52	156	42069	23.066	ug/l	96
78) n-propylbenzene	12.58	91	215744	24.126	ug/l	98
79) 2-Chlorotoluene	12.67	91	126216	23.623	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	154475	24.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19599	23.129	ug/l	98
82) 4-Chlorotoluene	12.77	91	131845	24.228	ug/l	98
83) tert-Butylbenzene	12.99	119	131463	24.690	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	154042	24.241	ug/l	99
85) sec-Butylbenzene	13.17	105	177952	24.853	ug/l	99
86) p-Isopropyltoluene	13.28	119	159539	24.779	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75647	23.517	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	76088	23.543	ug/l	99
89) n-Butylbenzene	13.61	91	147221	25.326	ug/l	99
90) Hexachloroethane	13.87	117	24926	26.633	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	74246	24.139	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10524	21.801	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

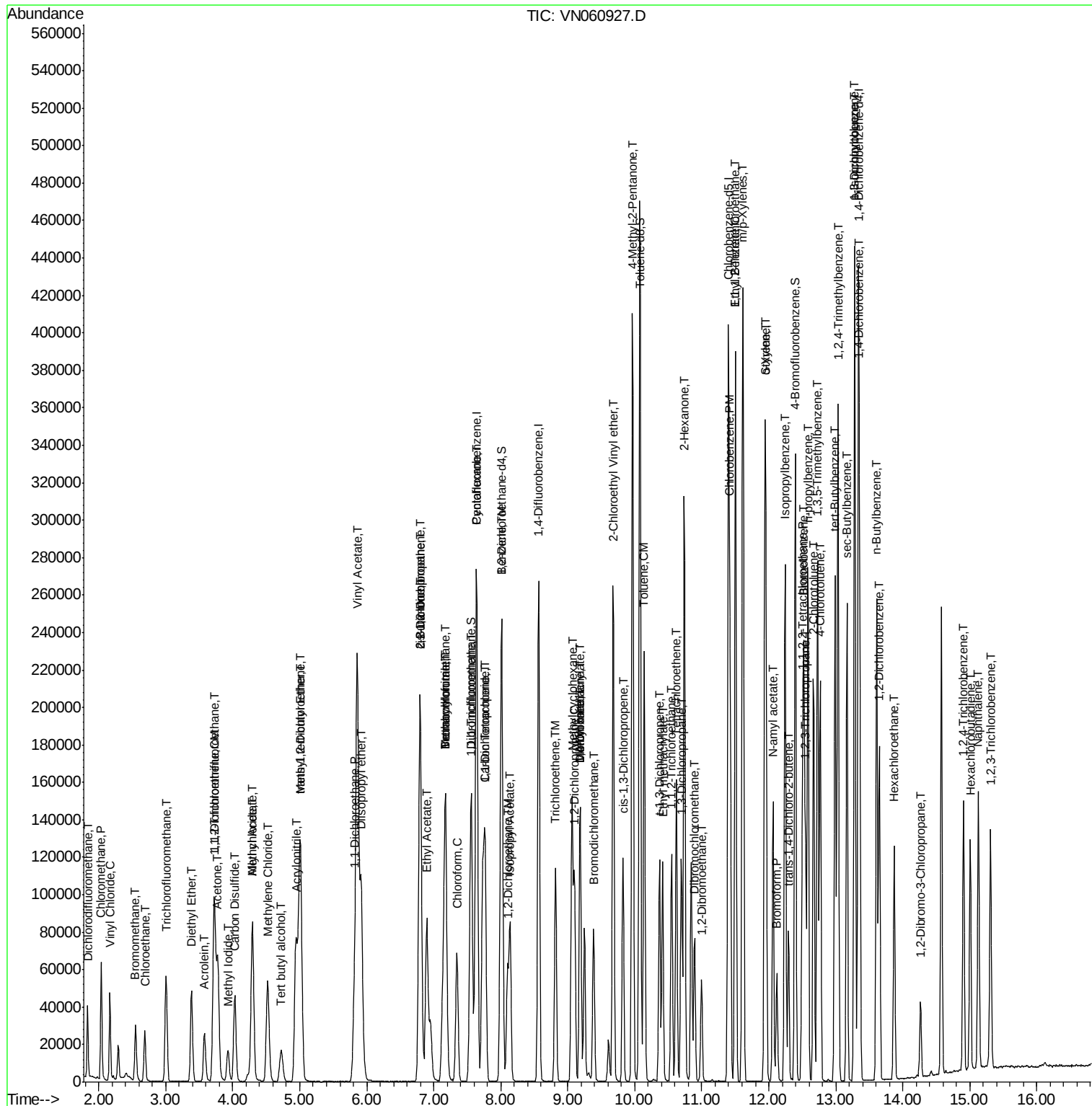
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	45187	23.923	ug/l	98
94) Hexachlorobutadiene	15.01	225	24610	26.578	ug/l	99
95) Naphthalene	15.13	128	126375	22.244	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43796	23.540	ug/l	98

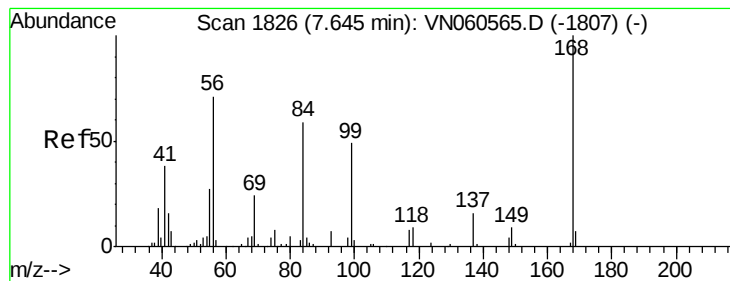
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041420\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

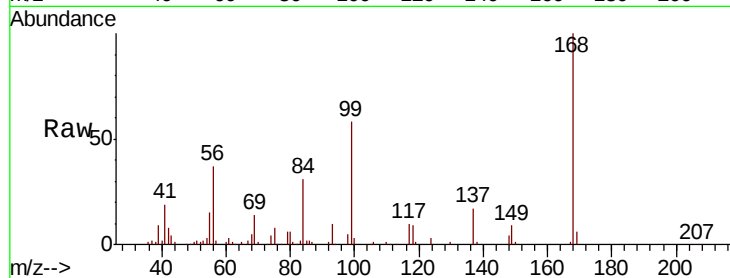
VN0414WBSD01

Tot Ion:168 Resp: 143753

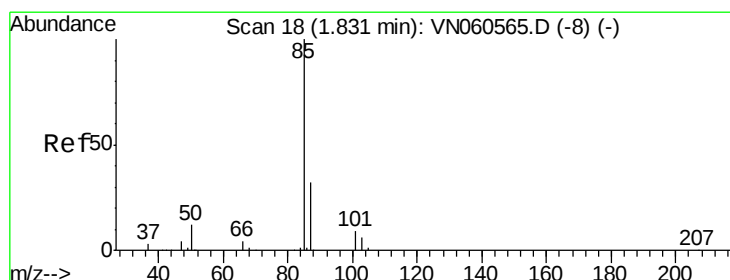
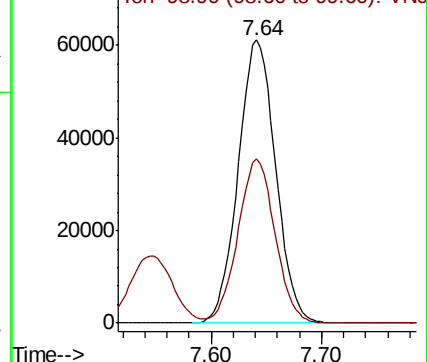
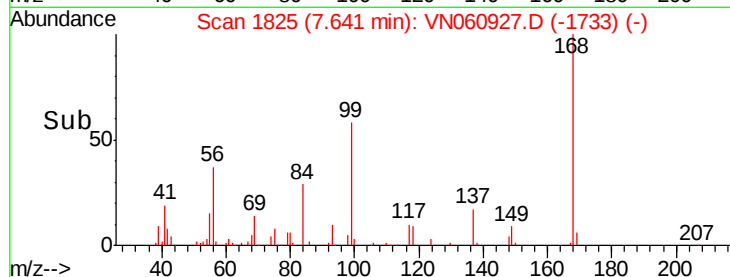
Ion Ratio Lower Upper

168 100

99 58.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060927.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 20.224 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060927.D

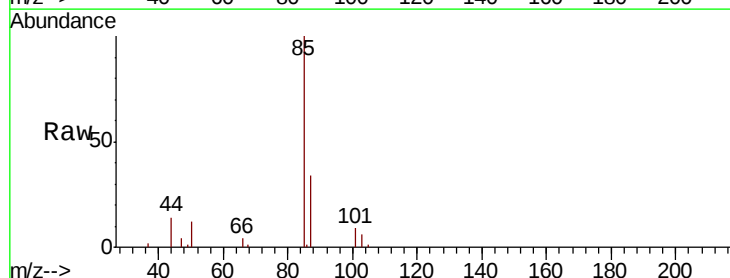
Acq: 14 Apr 2020 12:52

Tgt Ion: 85 Resp: 28131

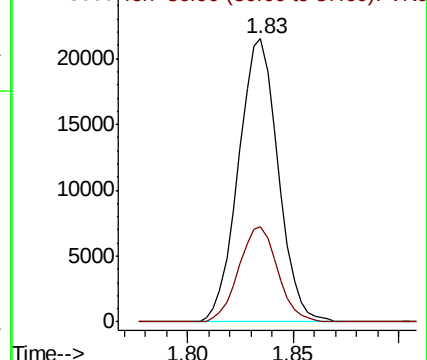
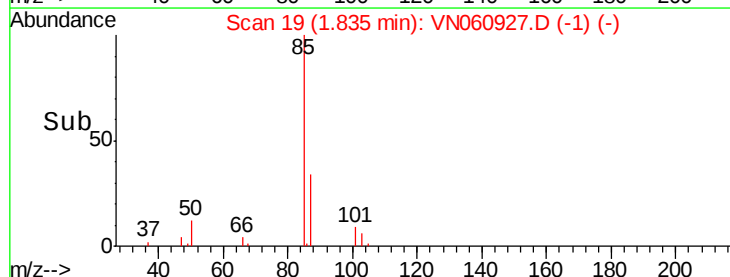
Ion Ratio Lower Upper

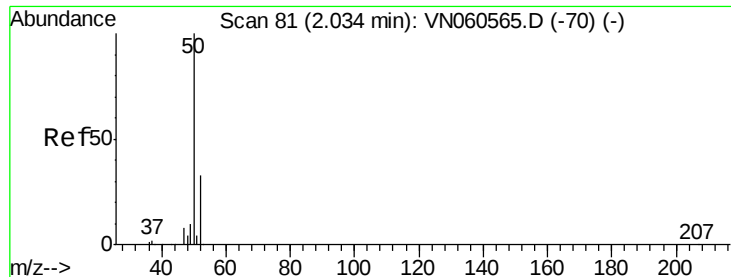
85 100

87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060927.D (-1) (-)





#3

Chloromethane

Concen: 19.843 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

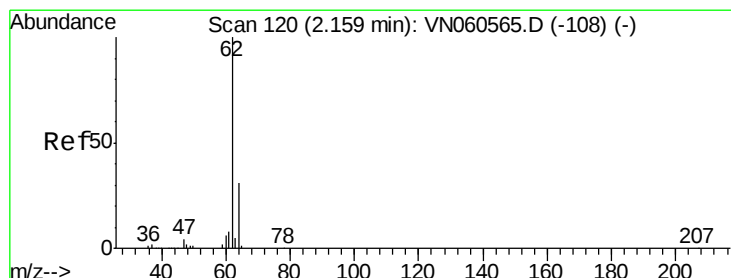
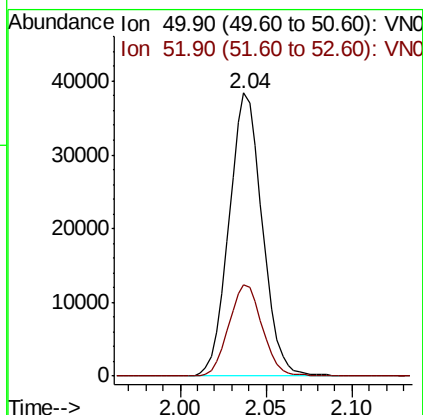
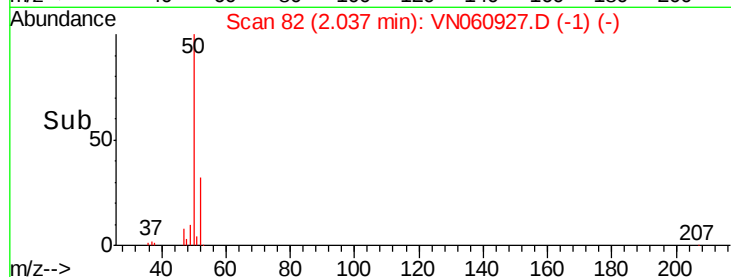
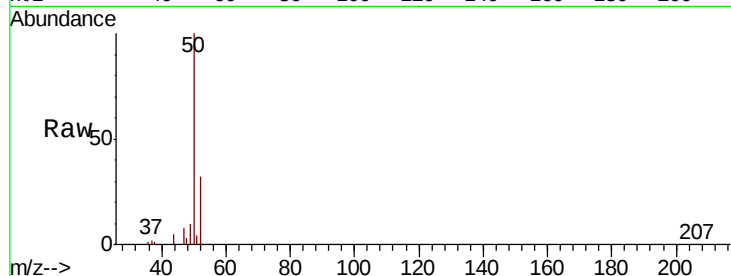
VN0414WBSD01

Tot Ion: 50 Resp: 51548

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



#4

Vinyl Chloride

Concen: 20.496 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060927.D

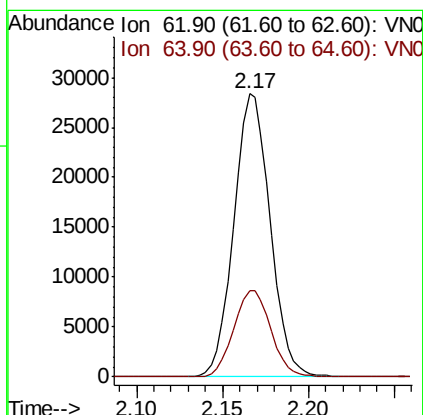
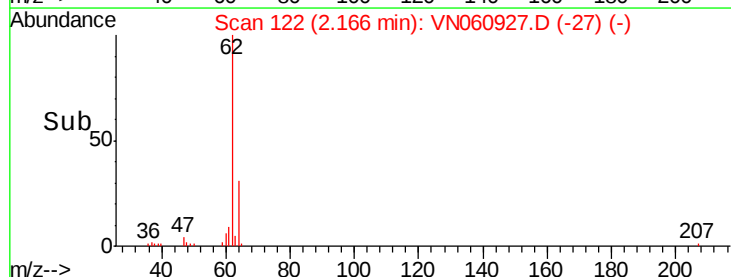
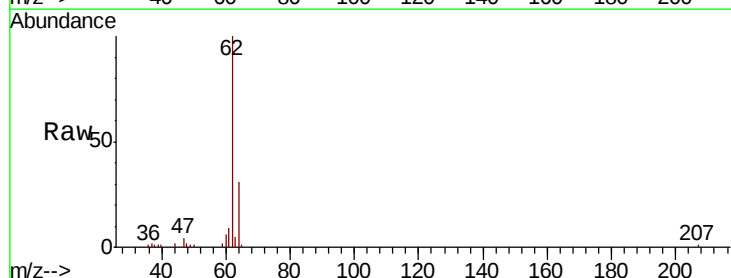
Acq: 14 Apr 2020 12:52

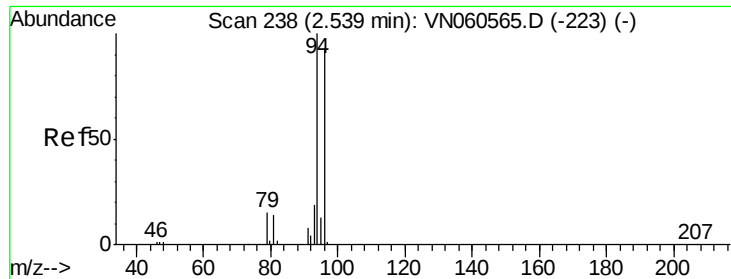
Tgt Ion: 62 Resp: 41645

Ion Ratio Lower Upper

62 100

64 30.6 24.7 37.1

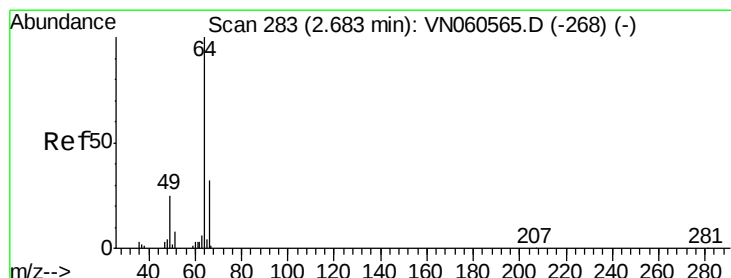
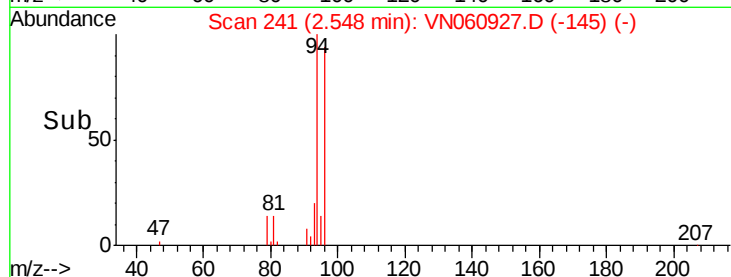
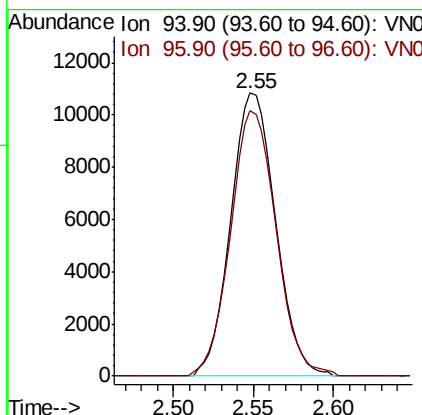
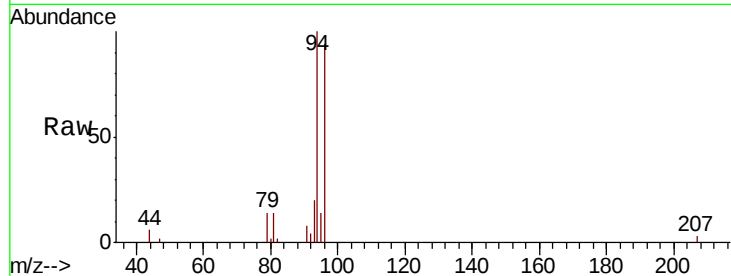




#5
Bromomethane
Concen: 23.633 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

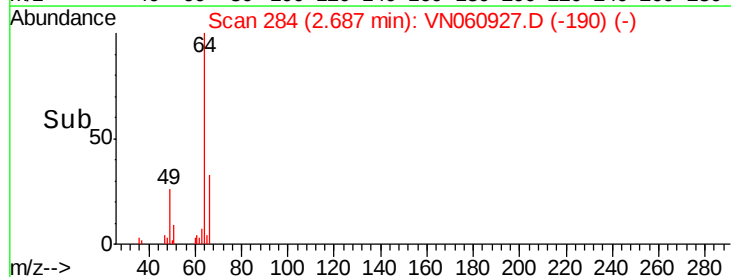
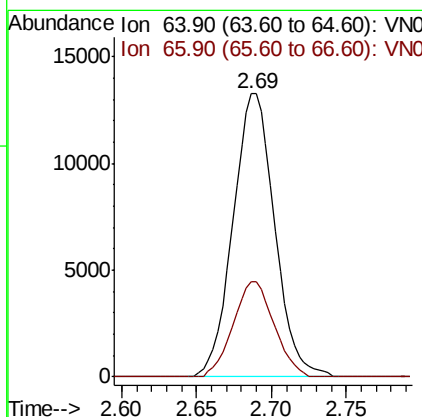
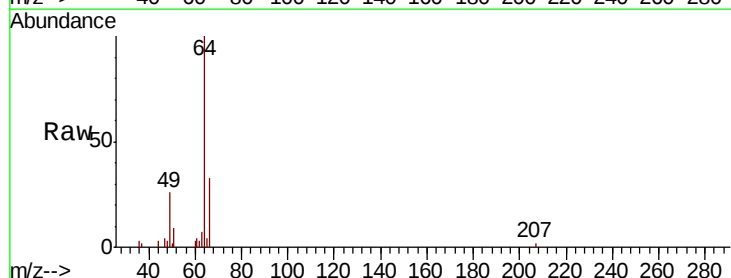
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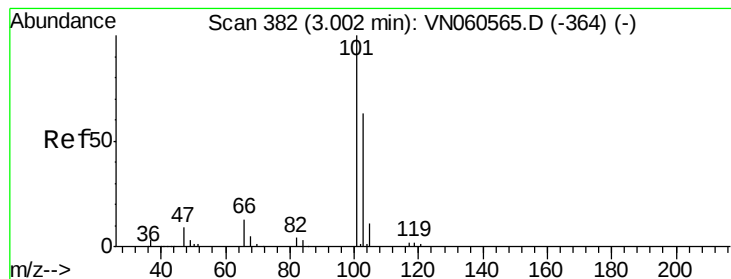
Tot Ion: 94 Resp: 20729
Ion Ratio Lower Upper
94 100
96 93.6 74.6 112.0



#6
Chloroethane
Concen: 21.961 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 64 Resp: 25705
Ion Ratio Lower Upper
64 100
66 33.4 25.3 37.9



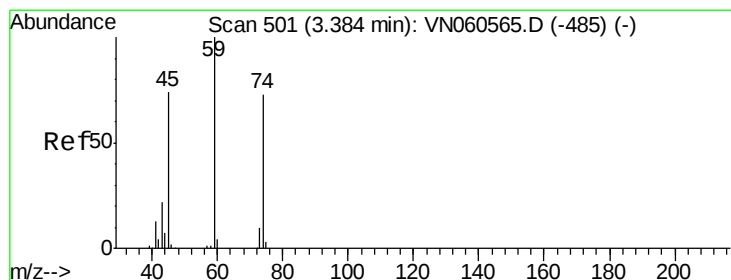
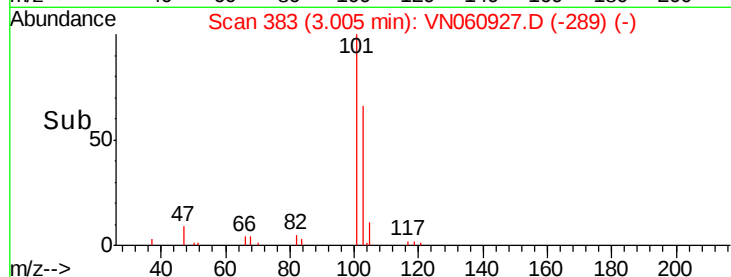
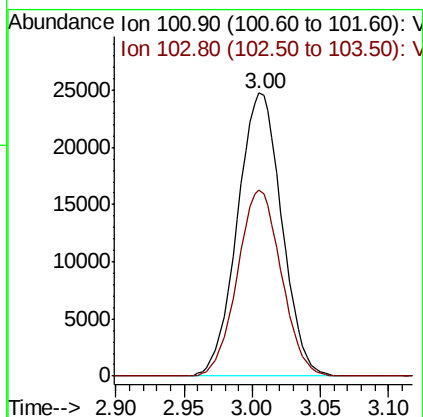
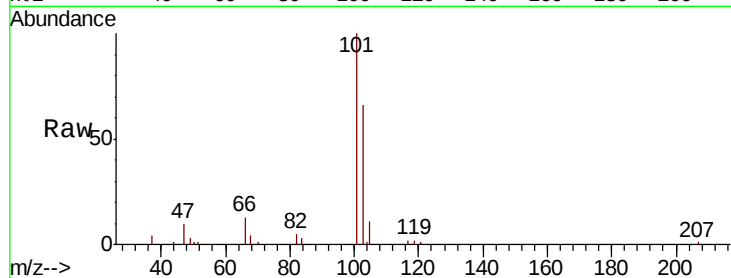


#7

Trichlorofluoromethane
 Concen: 22.284 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
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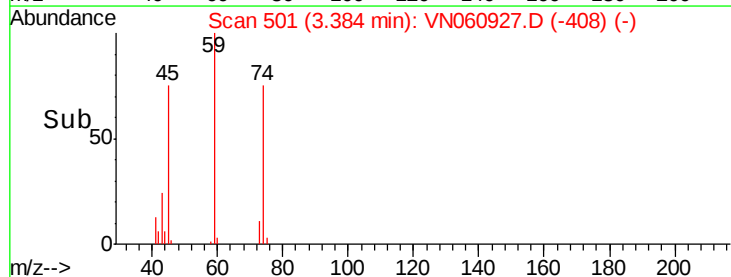
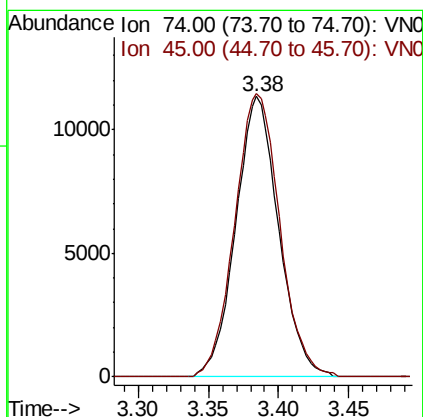
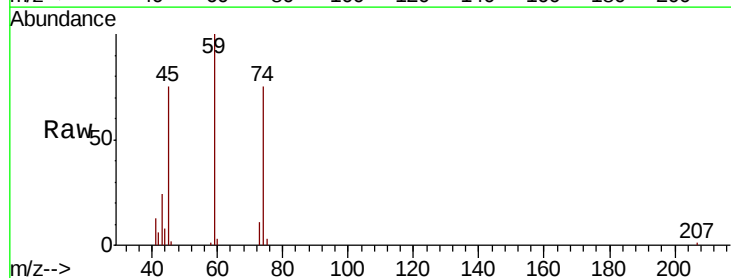
Tot Ion:101 Resp: 55777
 Ion Ratio Lower Upper
 101 100
 103 65.7 50.6 76.0

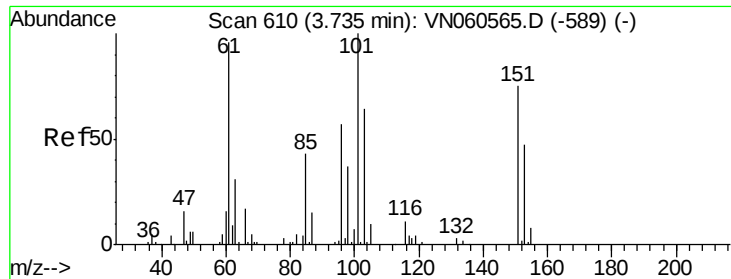


#8

Diethyl Ether
 Concen: 23.985 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 74 Resp: 24117
 Ion Ratio Lower Upper
 74 100
 45 106.0 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.748 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

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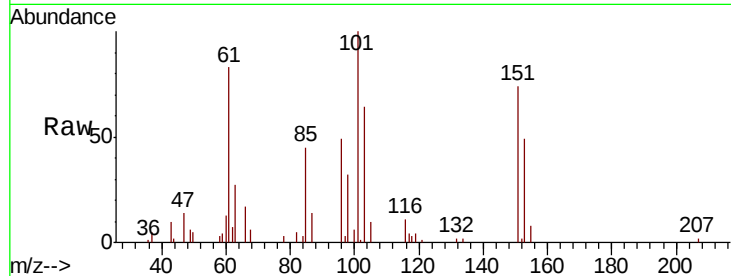
Tot Ion:101 Resp: 34443

Ion Ratio Lower Upper

101 100

85 45.7 35.6 53.4

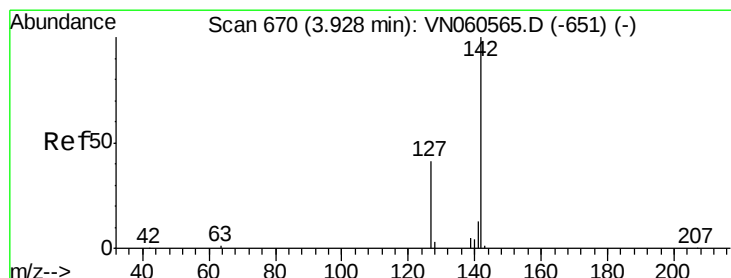
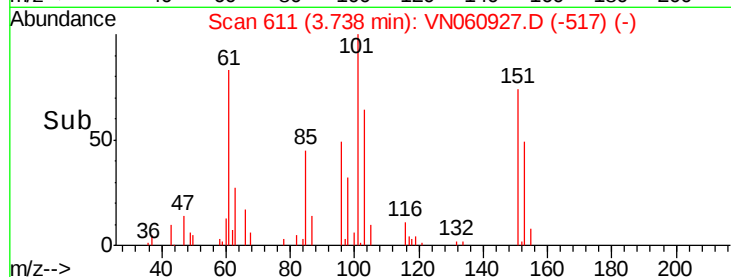
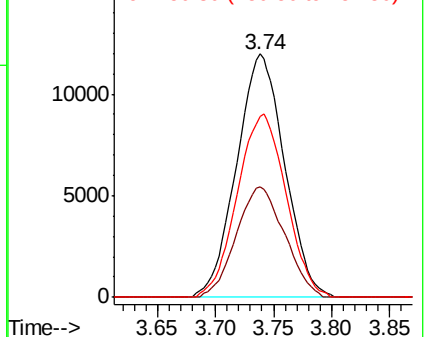
151 76.4 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.627 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

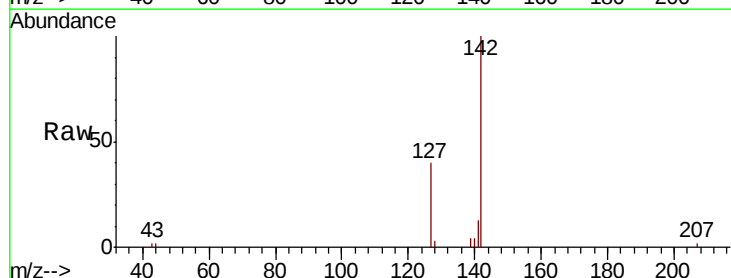
Tgt Ion:142 Resp: 26621

Ion Ratio Lower Upper

142 100

127 41.2 33.5 50.3

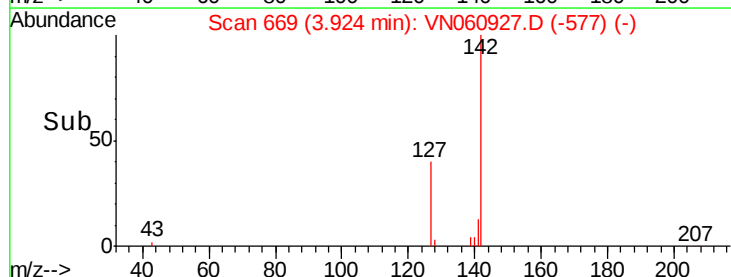
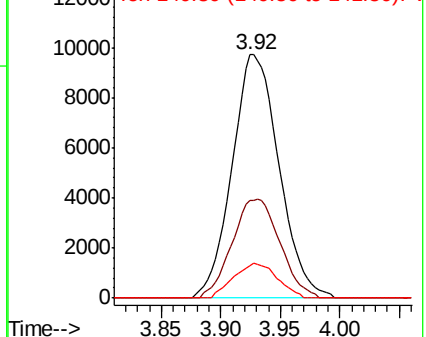
141 13.3 11.0 16.6

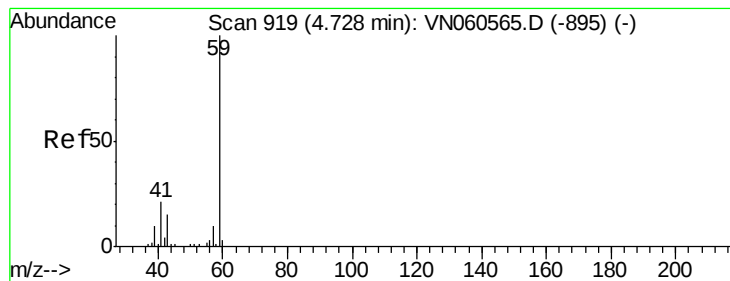


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



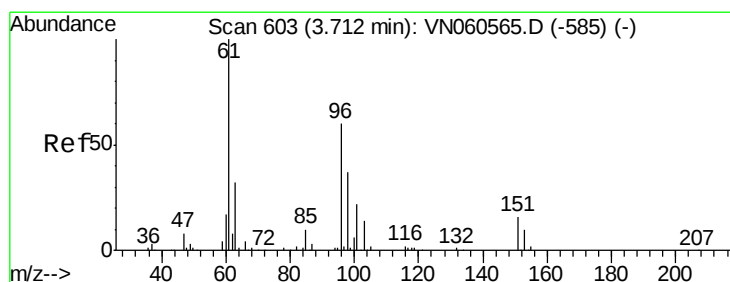
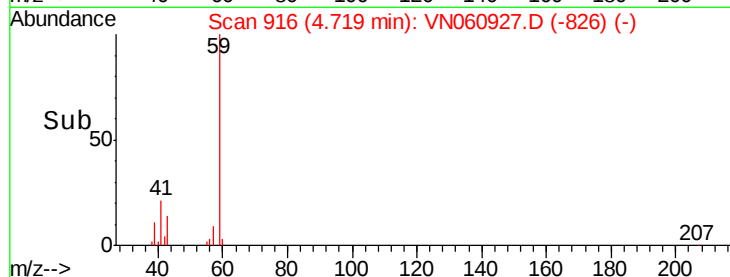
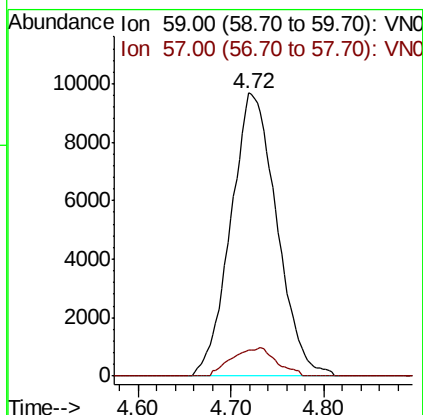
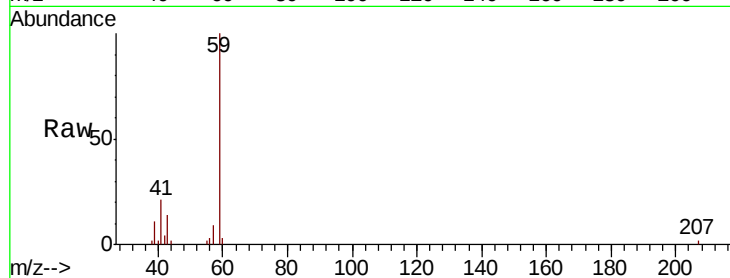


#11

Tert butyl alcohol
 Concen: 114.928 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

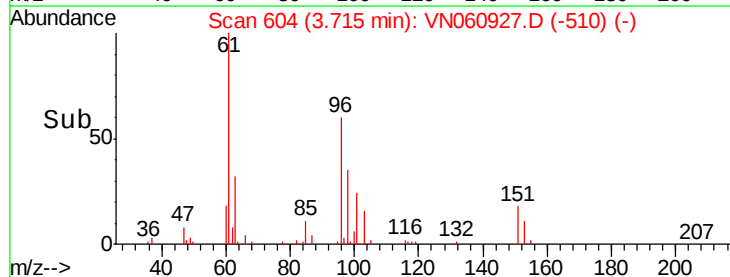
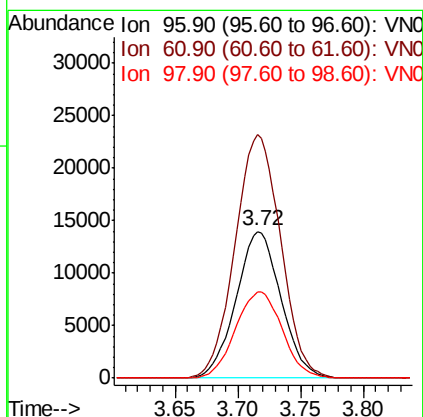
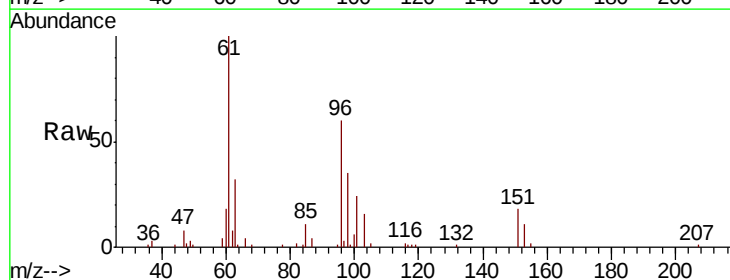
Tot Ion: 59 Resp: 33355
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.4

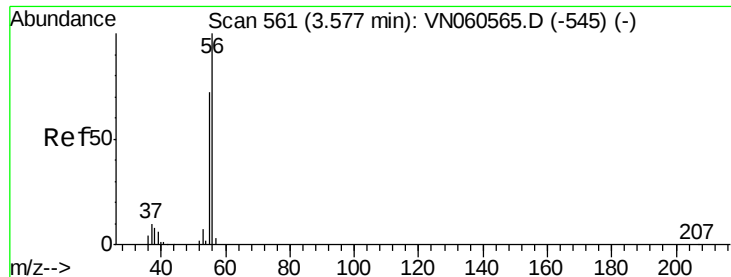


#12

1,1-Dichloroethene
 Concen: 22.258 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 96 Resp: 34643
 Ion Ratio Lower Upper
 96 100
 61 166.2 134.1 201.1
 98 58.8 49.9 74.9





#13

Acrolein

Concen: 92.636 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

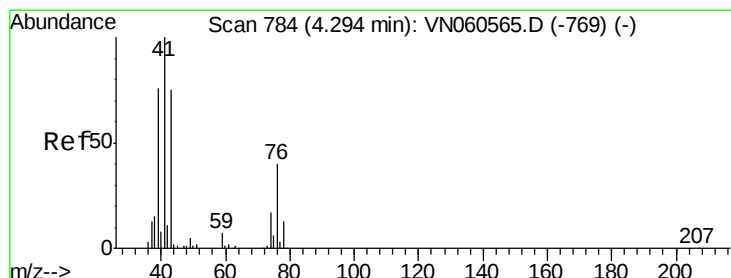
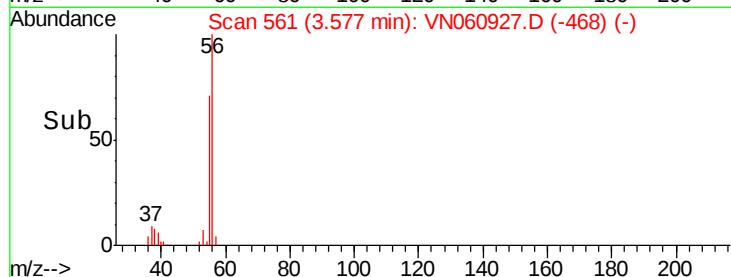
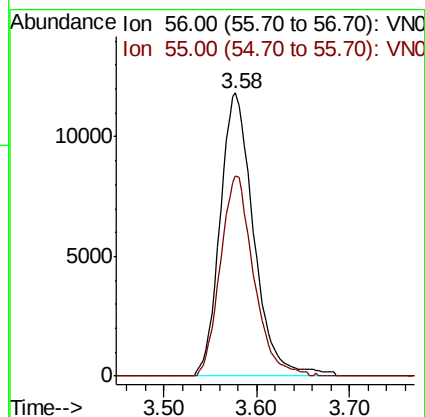
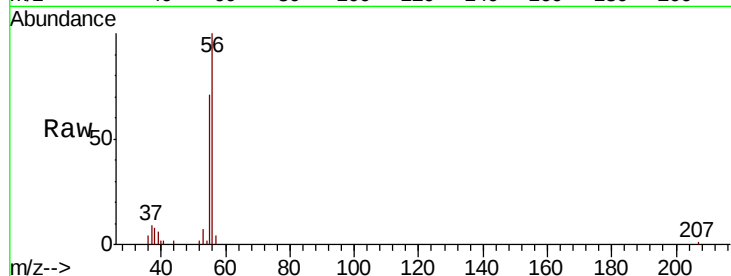
VN0414WBSD01

Tot Ion: 56 Resp: 29797

Ion Ratio Lower Upper

56 100

55 70.2 56.7 85.1



#14

Allyl chloride

Concen: 23.795 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

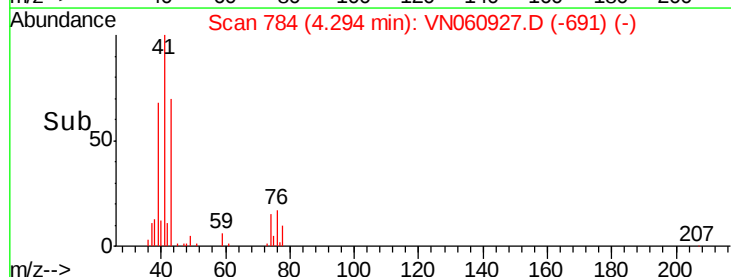
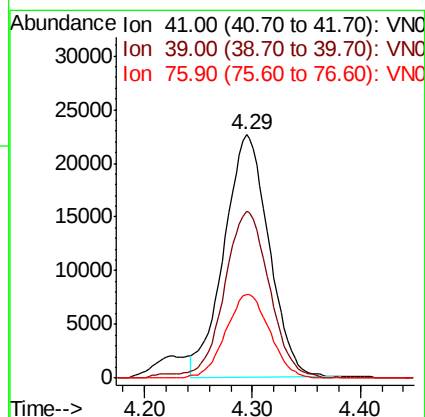
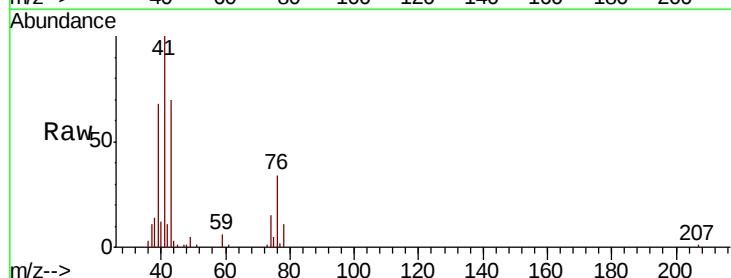
Tgt Ion: 41 Resp: 65136

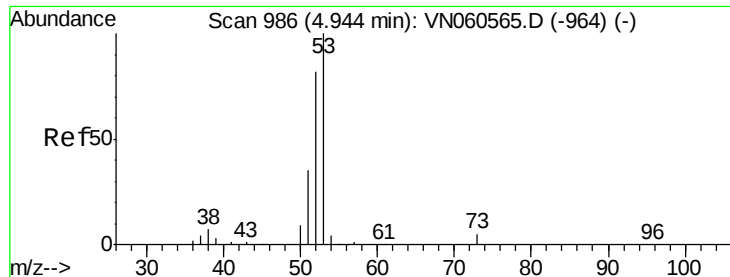
Ion Ratio Lower Upper

41 100

39 70.0 57.8 86.8

76 33.8 28.6 43.0





#15

Acrylonitrile

Concen: 120.338 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

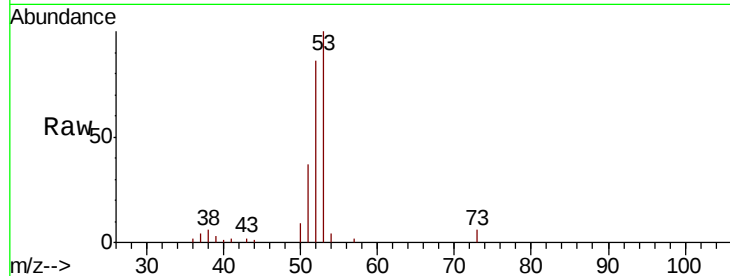
Tot Ion: 53 Resp: 102700

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.4

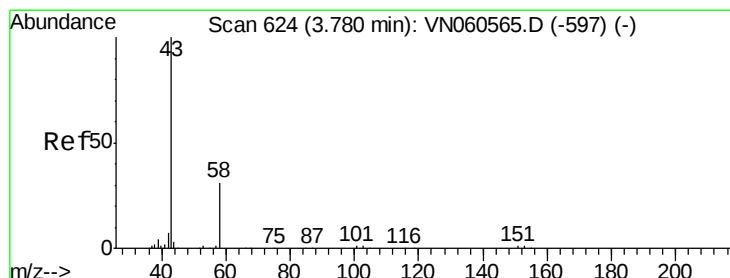
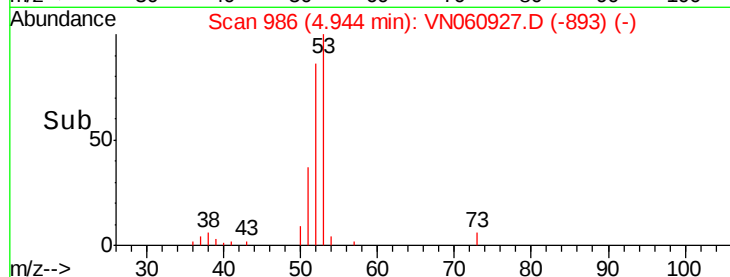
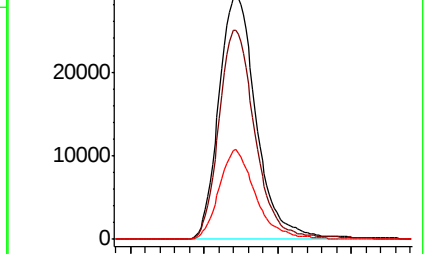
51 35.6 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060927.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060927.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060927.D (-893) (-)



#16

Acetone

Concen: 145.635 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060927.D

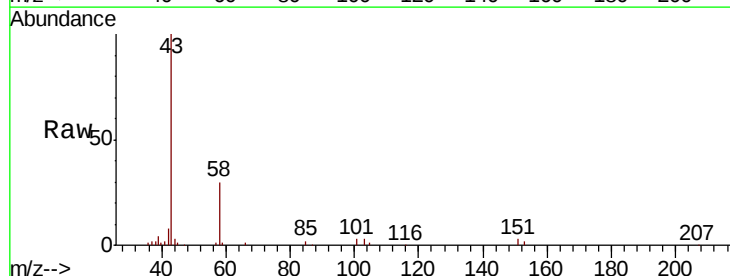
Acq: 14 Apr 2020 12:52

Tgt Ion: 43 Resp: 101802

Ion Ratio Lower Upper

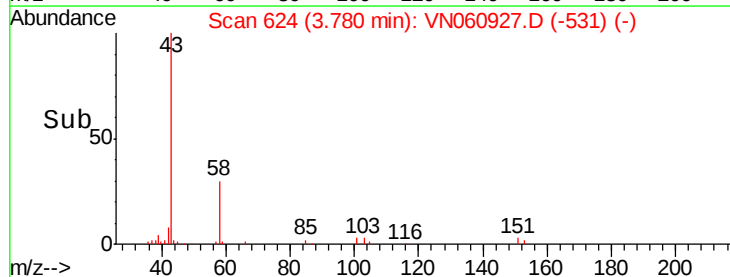
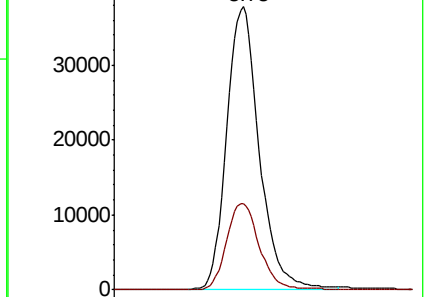
43 100

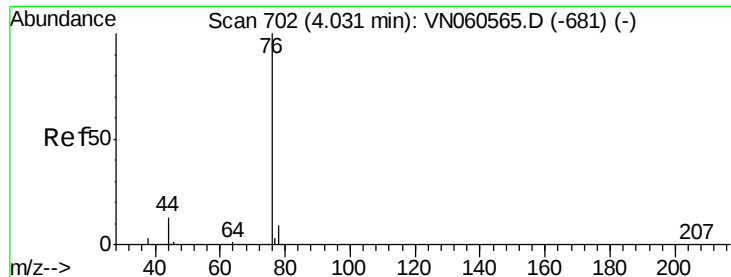
58 30.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060927.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060927.D (-531) (-)

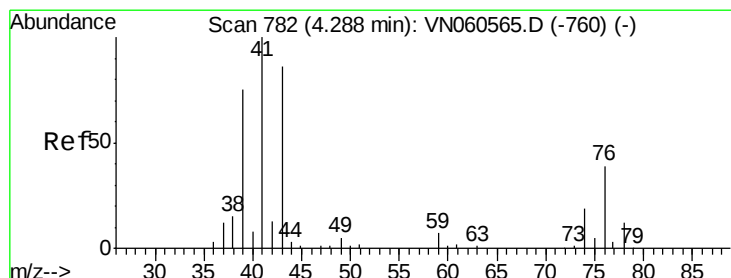
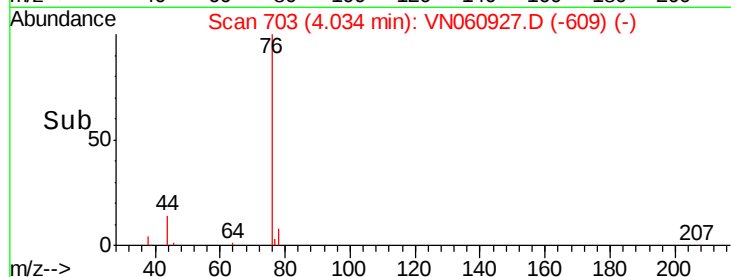
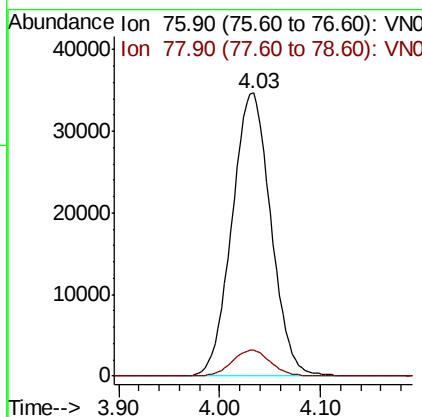
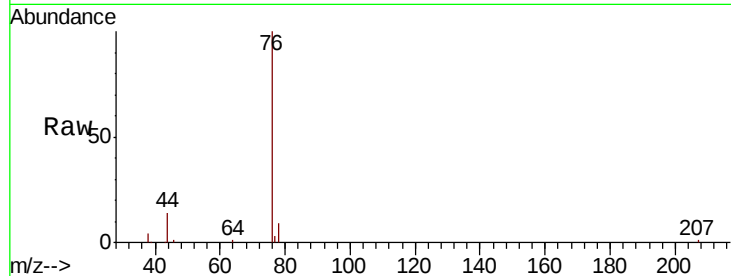




#17
Carbon Disulfide
Concen: 19.580 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

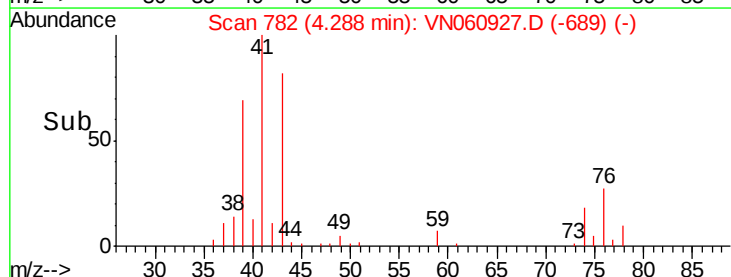
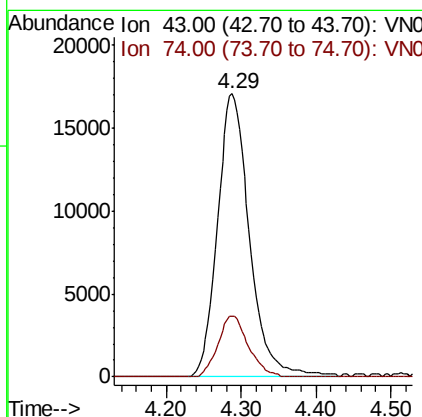
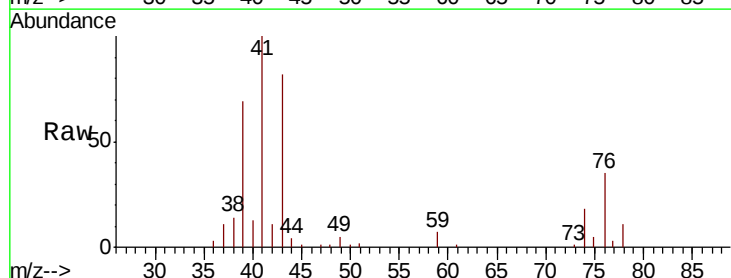
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

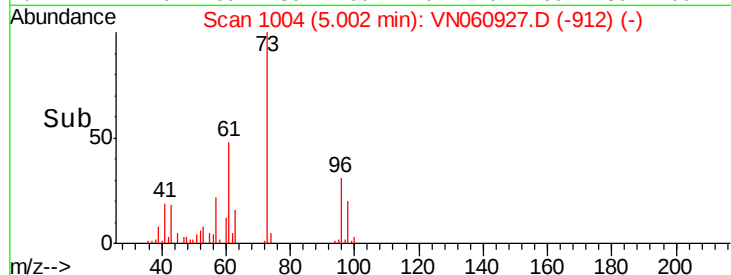
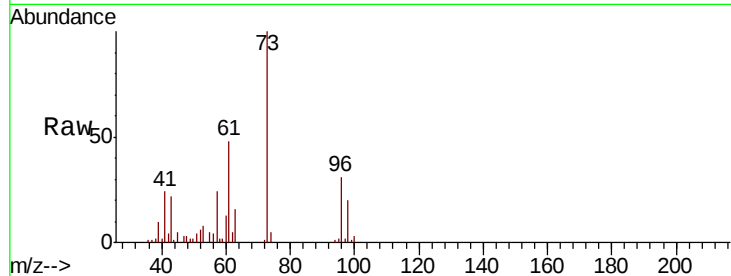
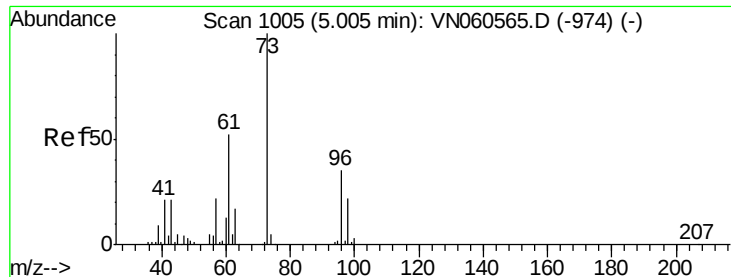
Tot Ion: 76 Resp: 92679
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 25.753 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 43 Resp: 50670
Ion Ratio Lower Upper
43 100
74 20.4 17.5 26.3

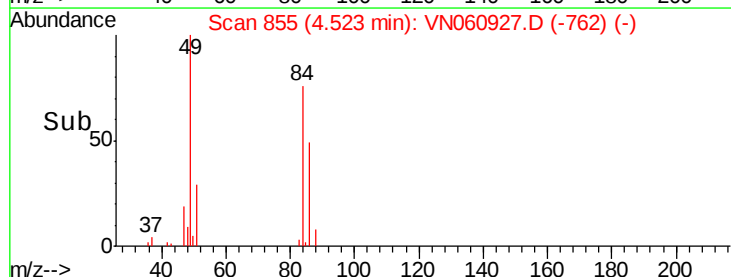
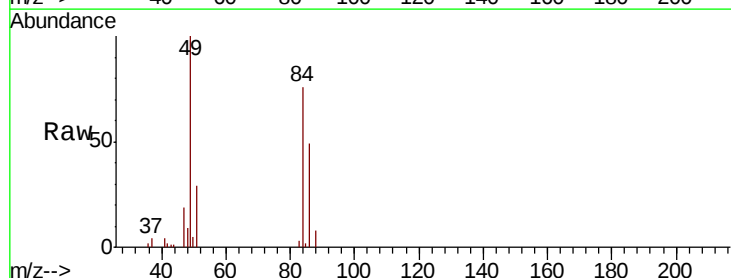
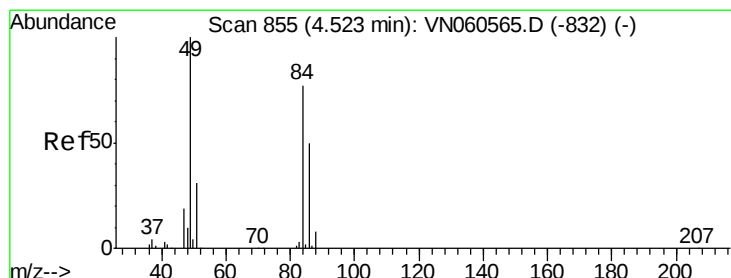
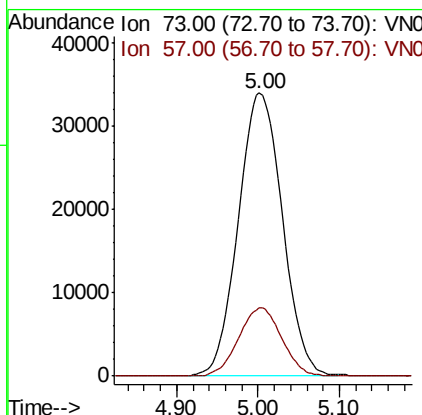




#19
Methyl tert-butyl Ether
Concen: 23.837 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

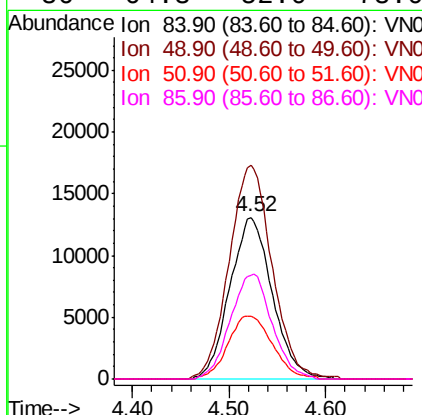
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

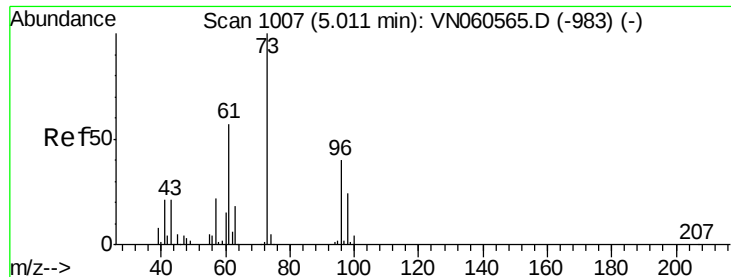
Tot Ion: 73 Resp: 127553
Ion Ratio Lower Upper
73 100
57 24.1 17.5 26.3



#20
Methylene Chloride
Concen: 23.172 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 84 Resp: 39846
Ion Ratio Lower Upper
84 100
49 131.9 103.3 154.9
51 38.7 31.6 47.4
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 22.257 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

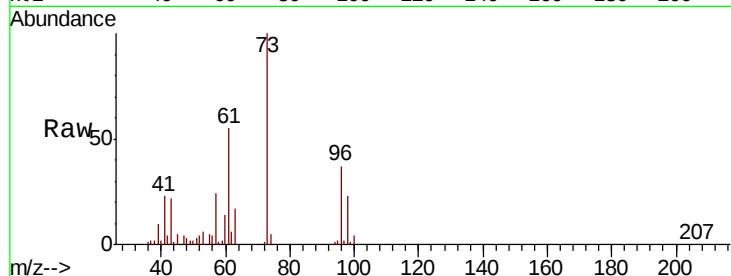
Tot Ion: 96 Resp: 36920

Ion Ratio Lower Upper

96 100

61 149.2 114.4 171.6

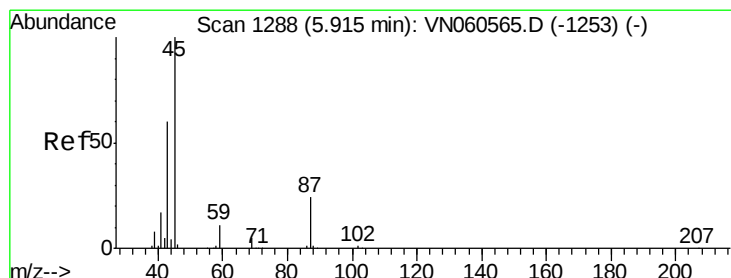
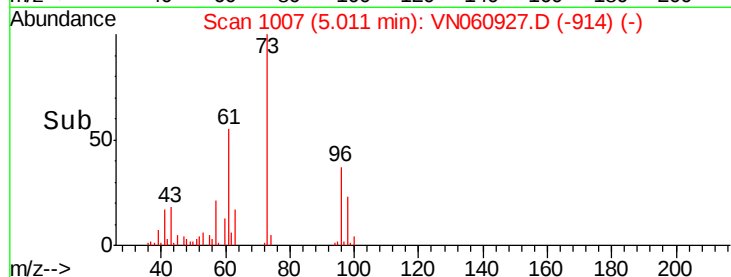
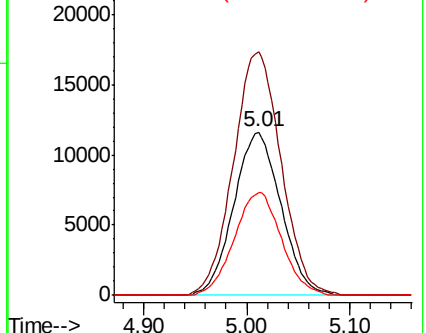
98 62.8 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 25.621 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion: 45 Resp: 148171

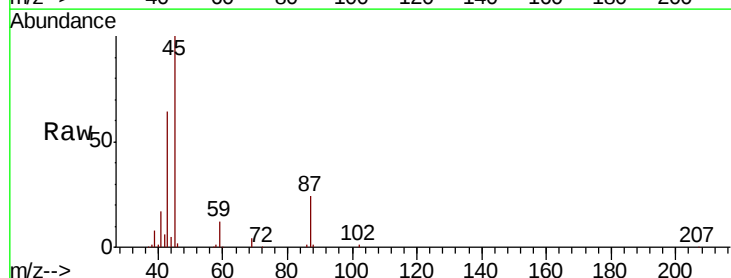
Ion Ratio Lower Upper

45 100

43 62.5 49.8 74.8

87 24.1 20.1 30.1

59 11.6 9.2 13.8

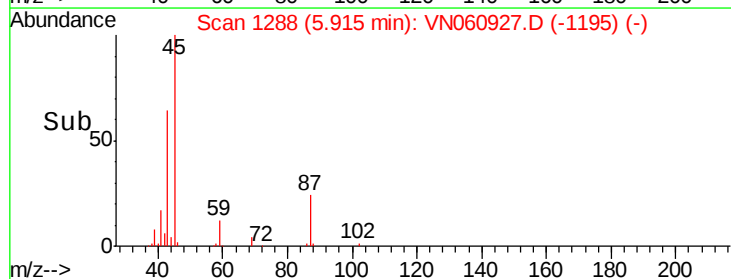
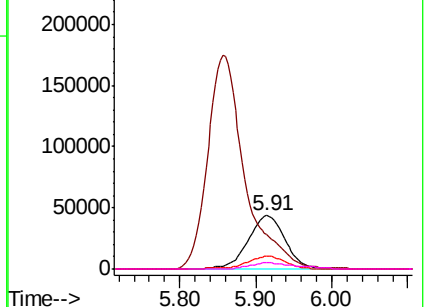


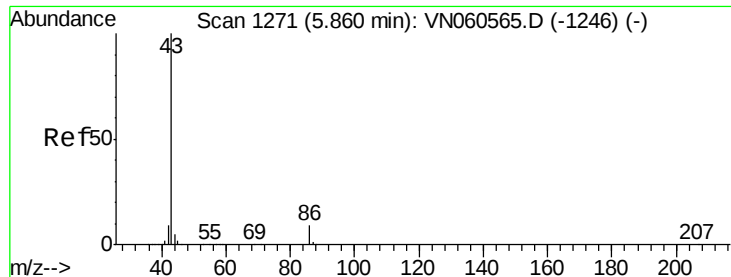
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 125.454 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

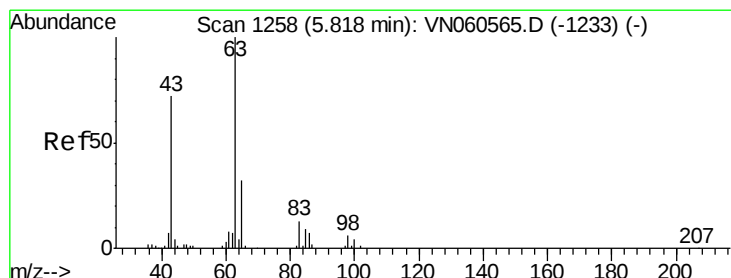
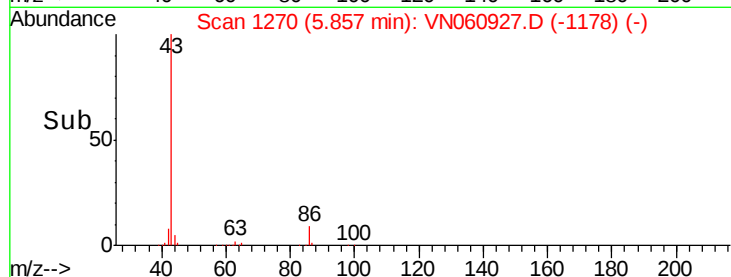
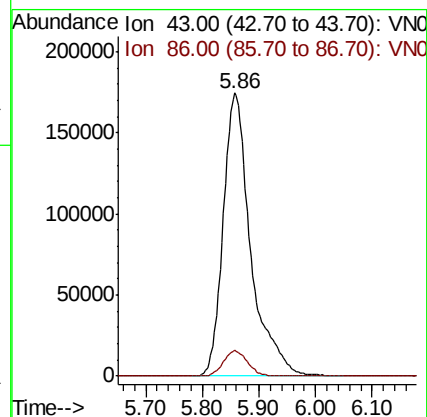
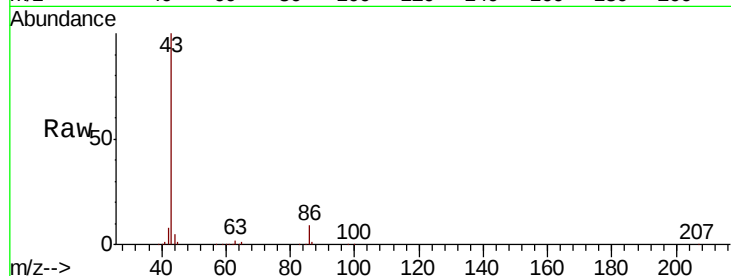
VN0414WBSD01

Tot Ion: 43 Resp: 591971

Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4



#24

1,1-Dichloroethane

Concen: 24.352 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

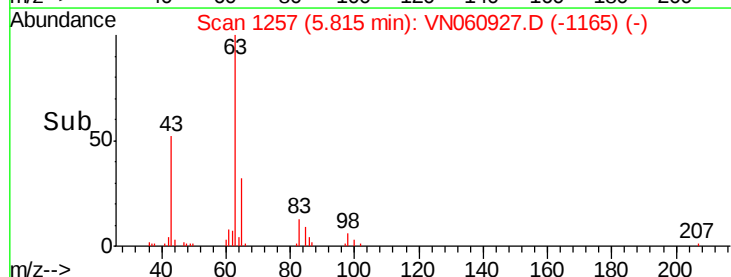
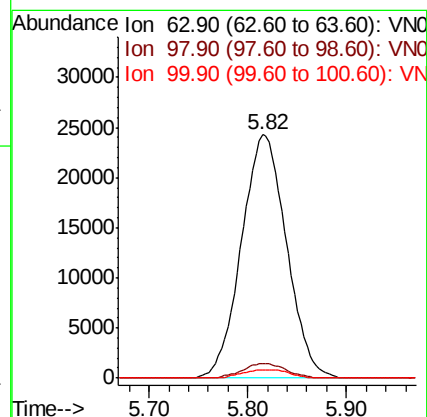
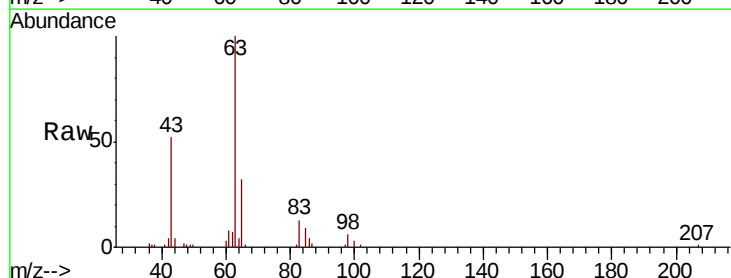
Tgt Ion: 63 Resp: 76775

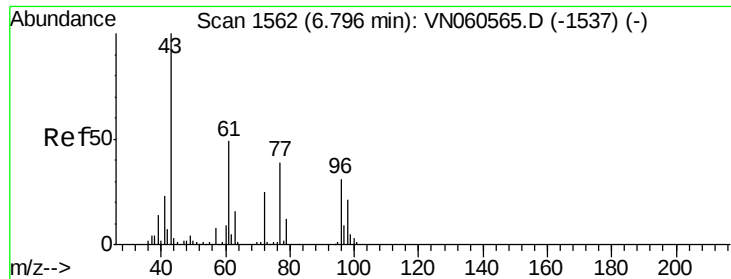
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.4 1.8 5.5

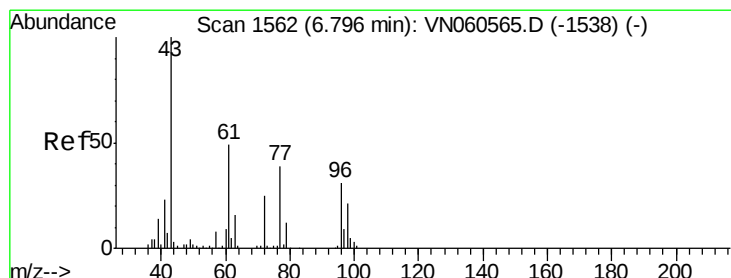
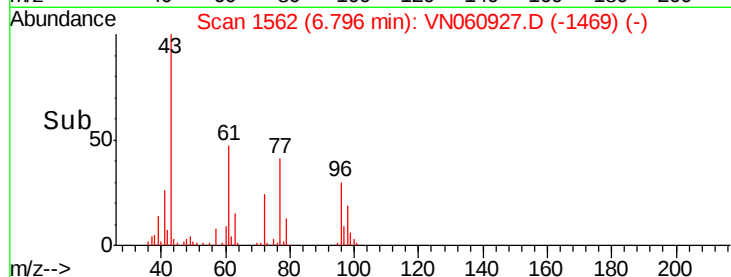
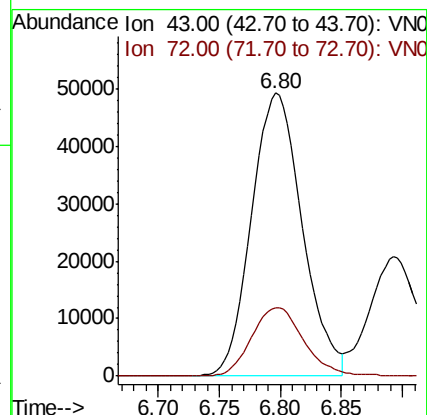
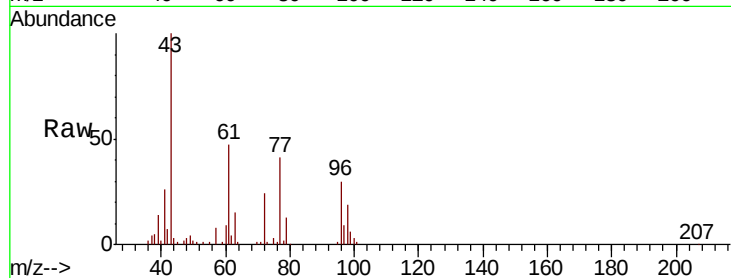




#25
2-Butanone
Concen: 125.763 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

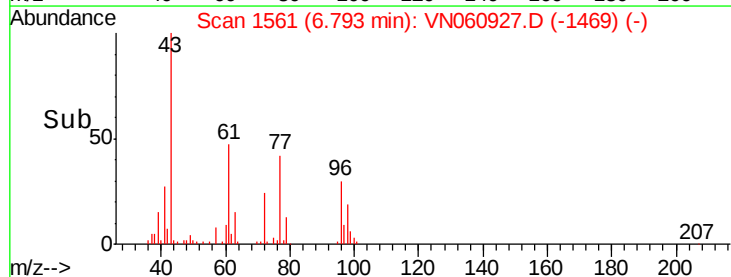
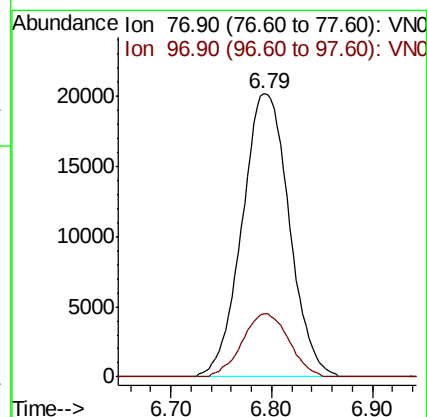
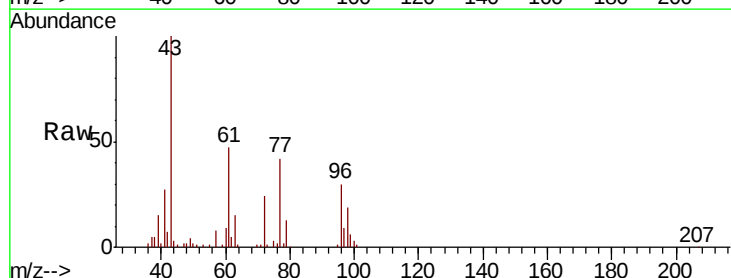
Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

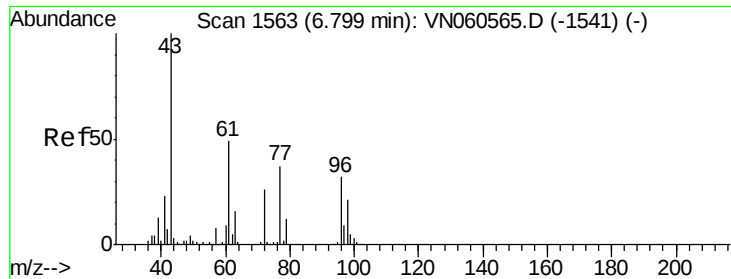
Tot Ion: 43 Resp: 142255
Ion Ratio Lower Upper
43 100
72 24.3 20.4 30.6



#26
2,2-Dichloropropane
Concen: 26.386 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 77 Resp: 65452
Ion Ratio Lower Upper
77 100
97 22.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 23.370 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

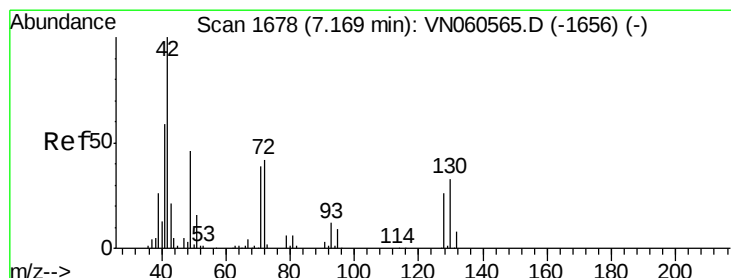
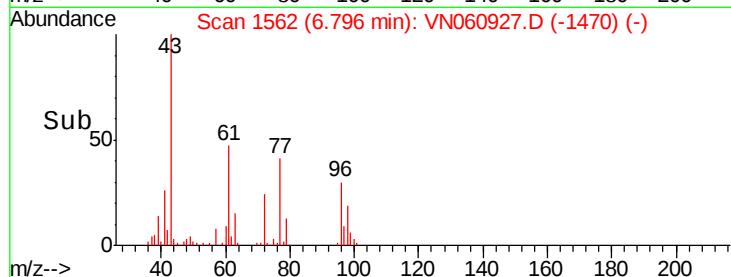
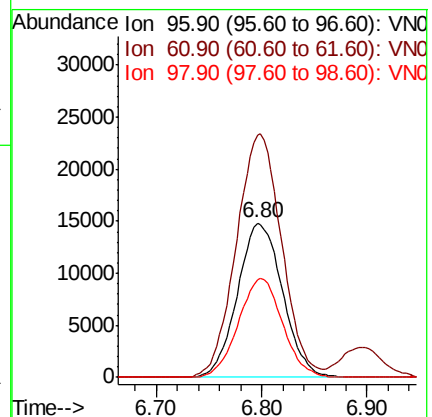
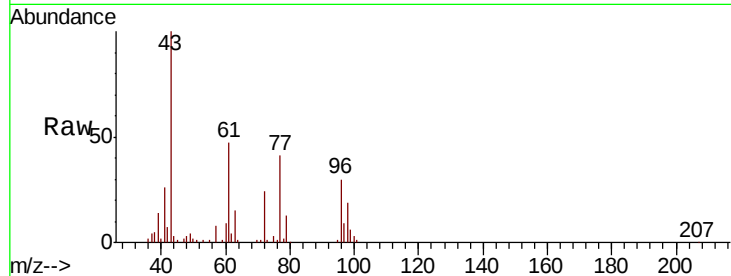
Tot Ion: 96 Resp: 44052

Ion Ratio Lower Upper

96 100

61 158.3 0.0 305.6

98 62.8 0.0 127.6



#28

Bromochloromethane

Concen: 26.801 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

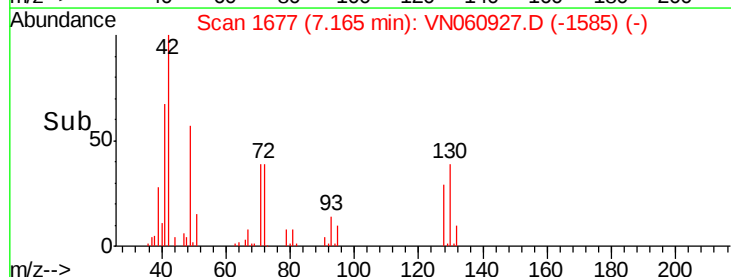
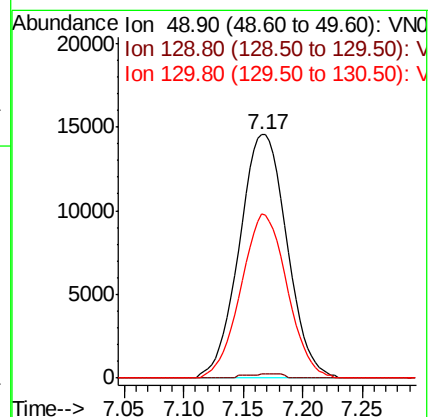
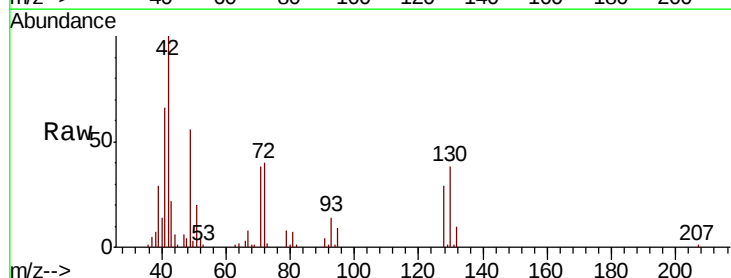
Tgt Ion: 49 Resp: 40427

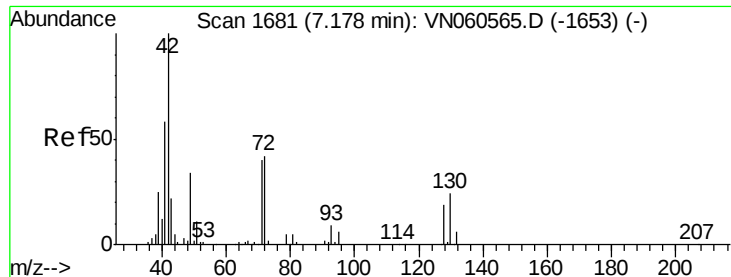
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.4

130 65.3 55.0 82.4

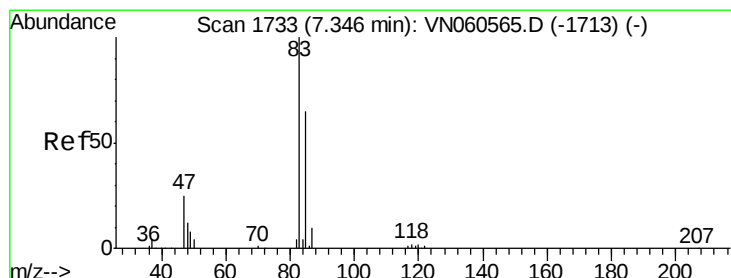
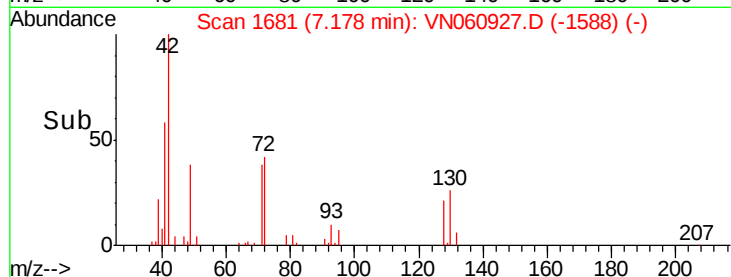
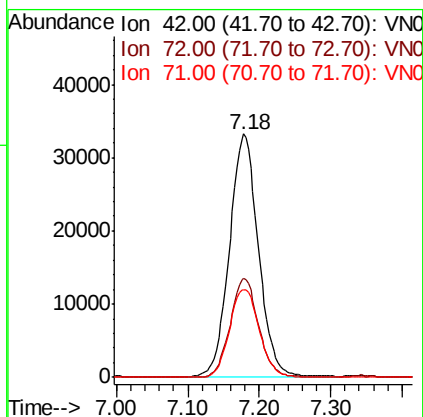
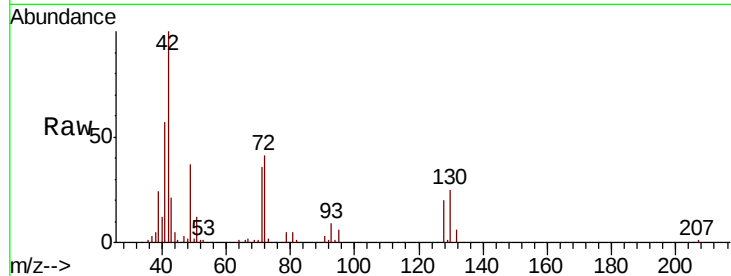




#29
Tetrahydrofuran
Concen: 118.160 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

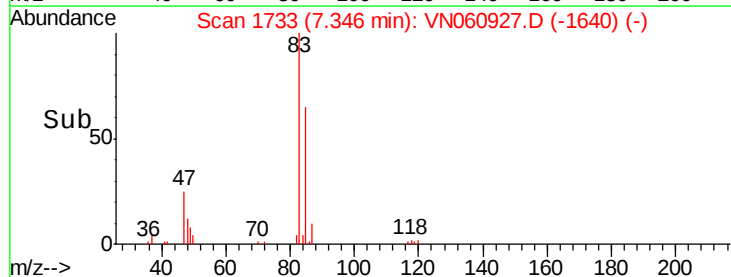
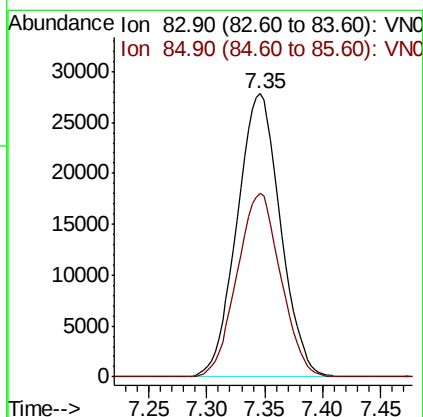
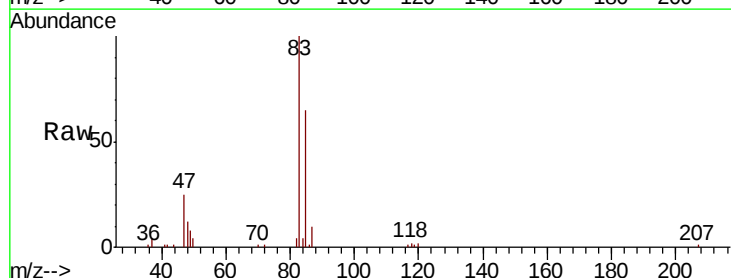
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

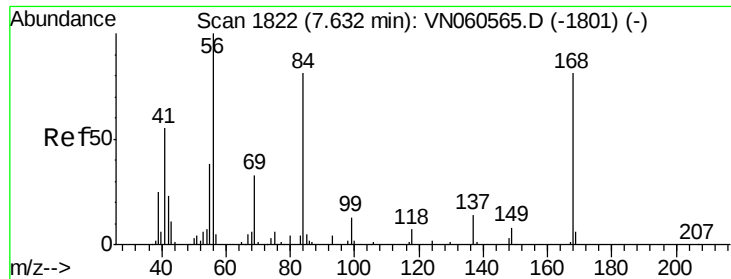
Tot Ion: 42 Resp: 94566
Ion Ratio Lower Upper
42 100
72 39.5 33.2 49.8
71 36.7 31.1 46.7



#30
Chloroform
Concen: 24.018 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 83 Resp: 72591
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.8

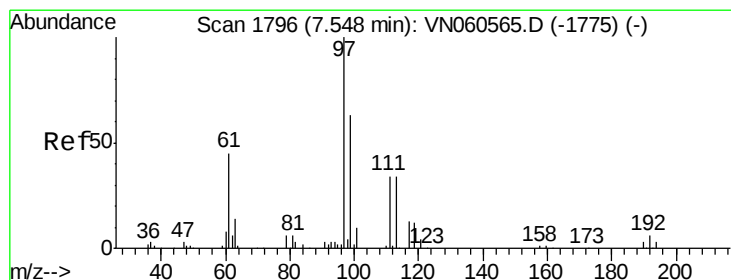
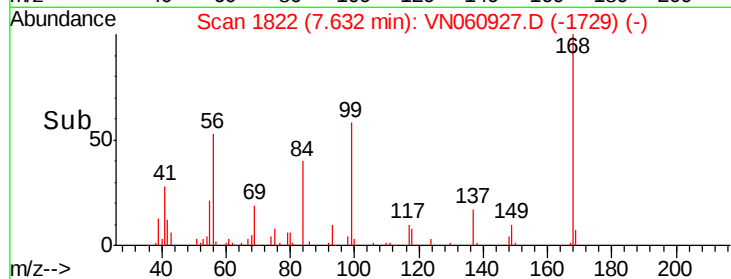
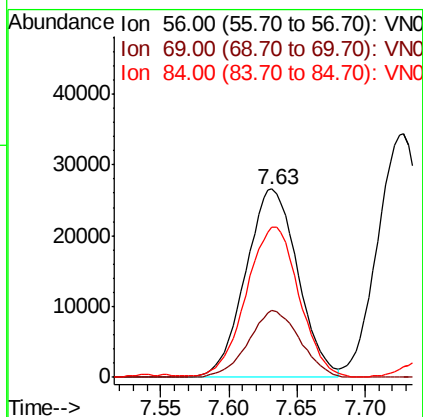
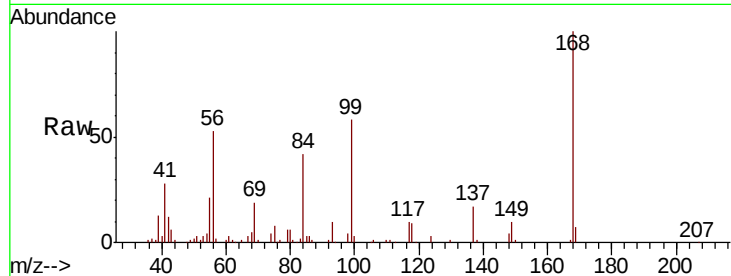




#31
Cyclohexane
Concen: 22.289 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

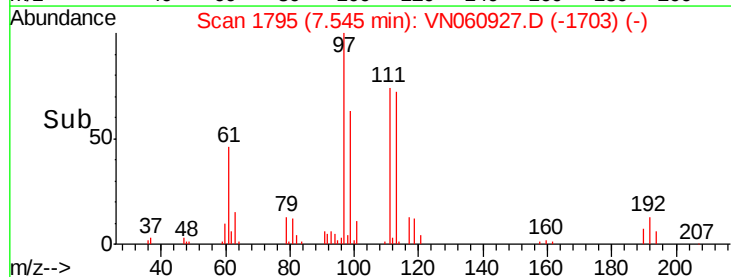
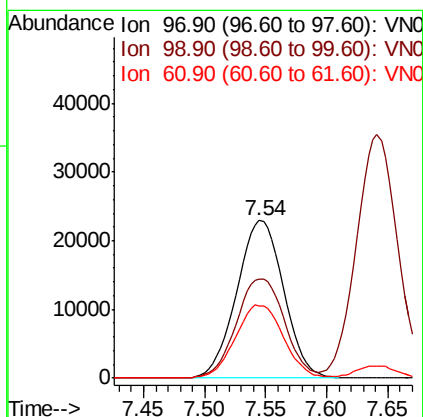
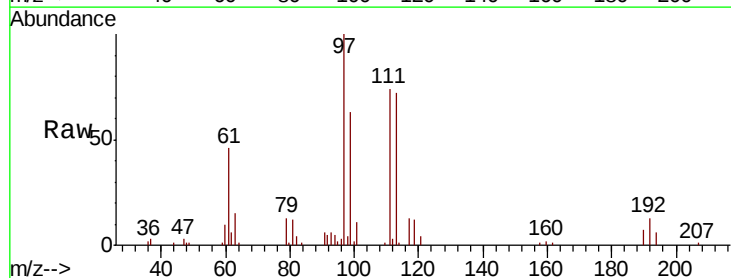
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

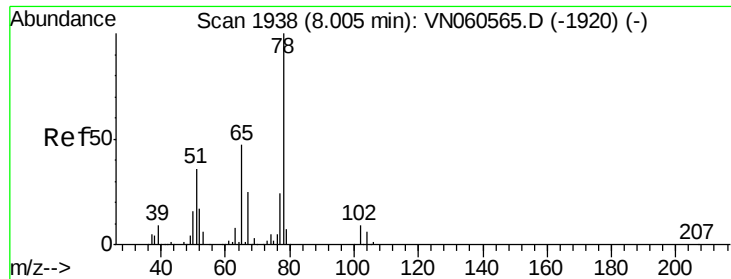
Tot Ion: 56 Resp: 70842
Ion Ratio Lower Upper
56 100
69 35.5 26.6 40.0
84 79.0 64.3 96.5



#32
1,1,1-Trichloroethane
Concen: 23.474 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 97 Resp: 61161
Ion Ratio Lower Upper
97 100
99 64.9 50.6 75.8
61 47.5 36.2 54.4

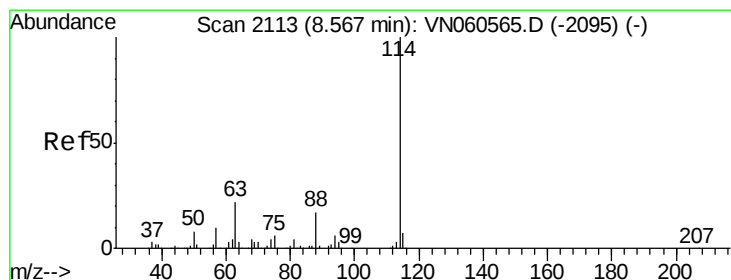
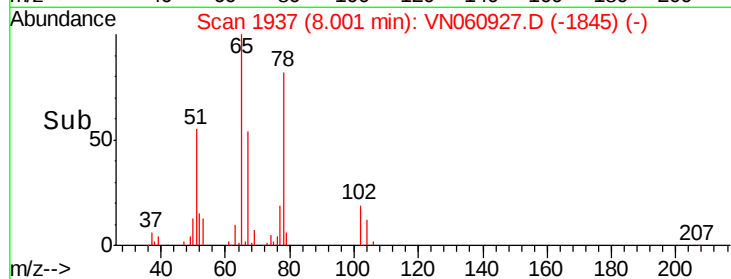
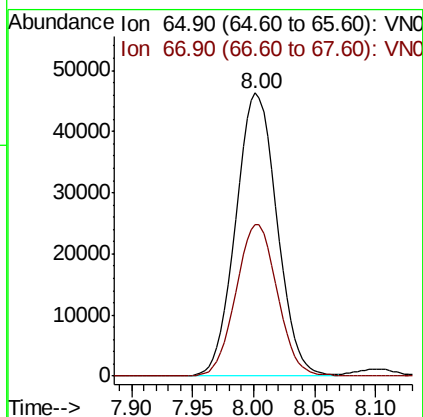
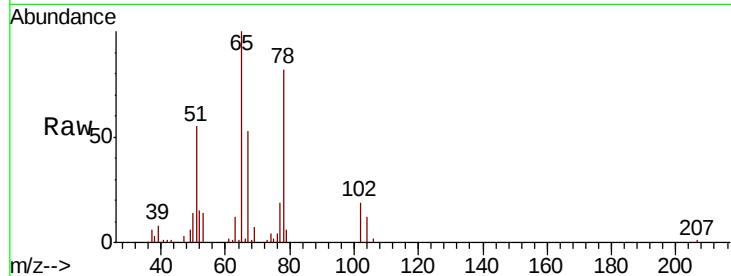




#33
 1,2-Dichloroethane-d4
 Concen: 54.964 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

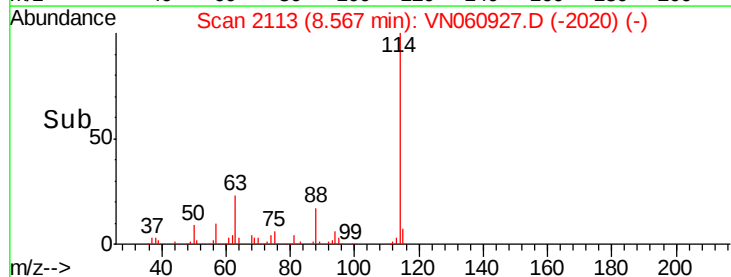
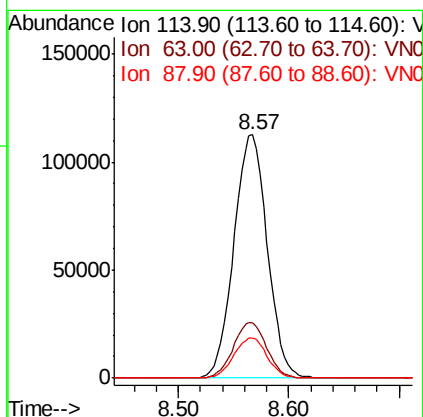
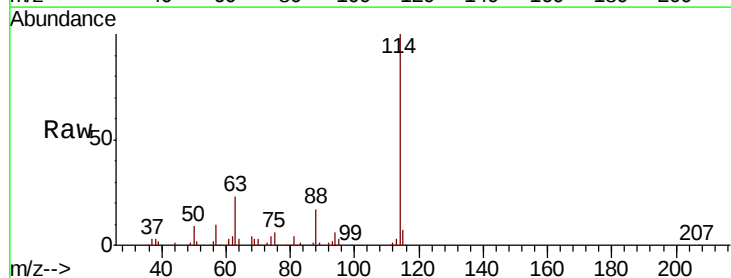
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

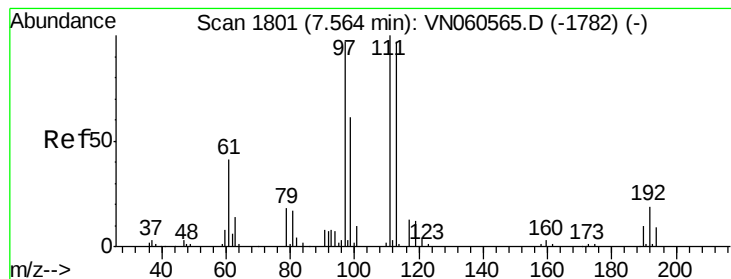
Tot Ion: 65 Resp: 108466
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 114 Resp: 236421
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 57.244 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

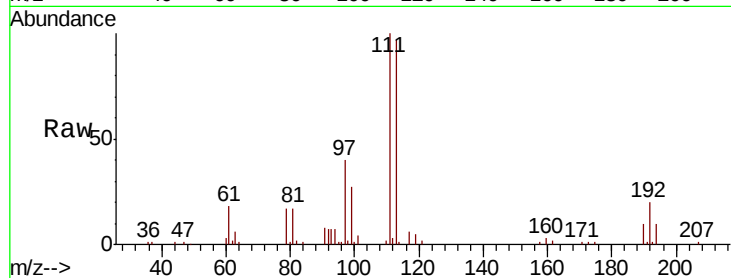
Tot Ion:113 Resp: 81834

Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

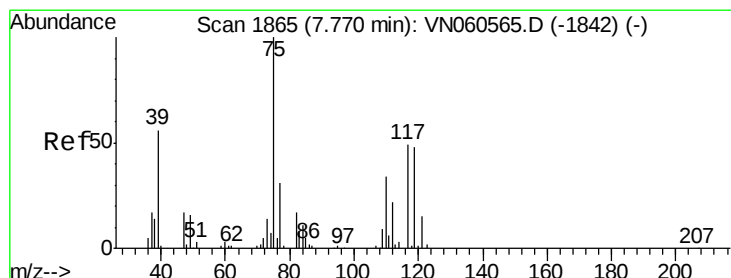
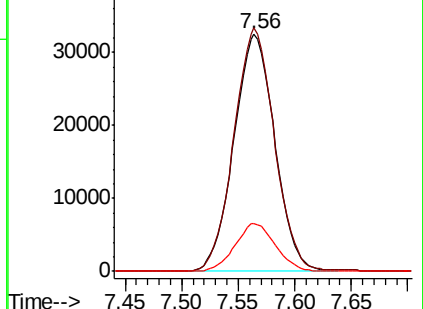
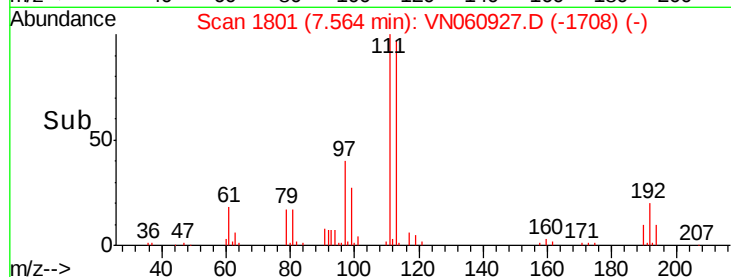
192 19.7 15.8 23.8



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: 24.054 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

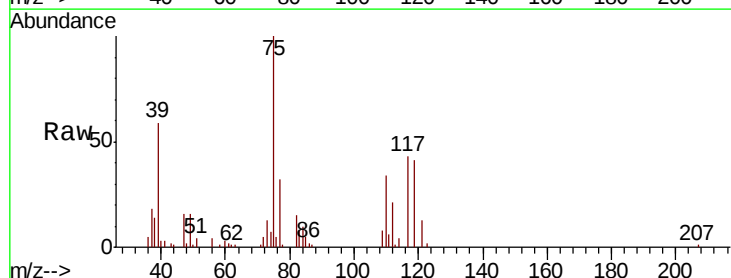
Tgt Ion: 75 Resp: 55066

Ion Ratio Lower Upper

75 100

110 33.5 16.9 50.6

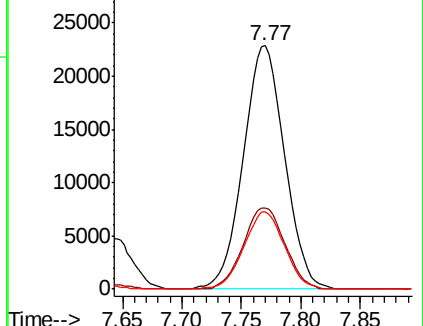
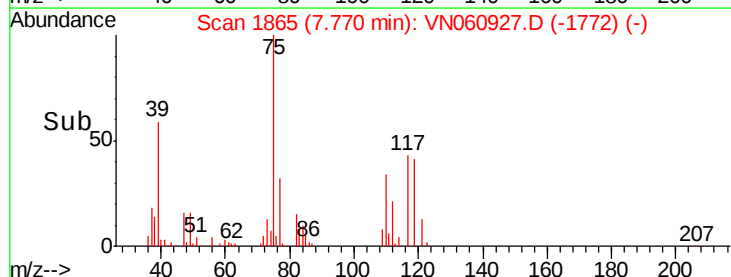
77 31.2 24.6 36.8

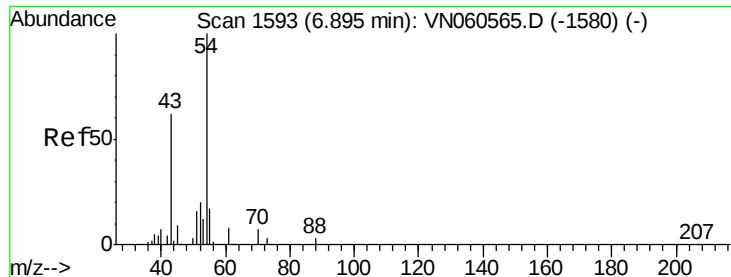


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

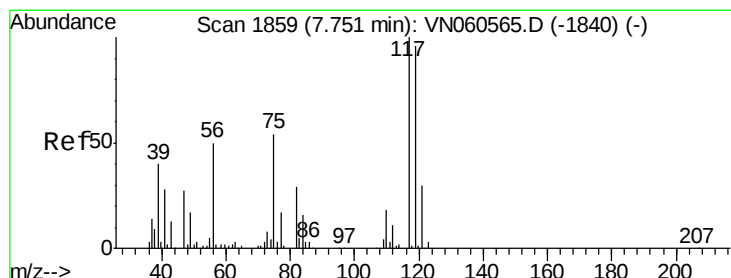
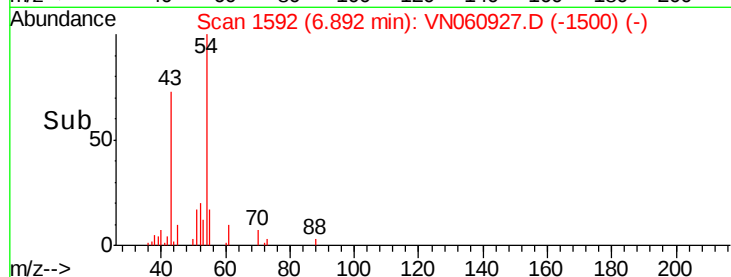
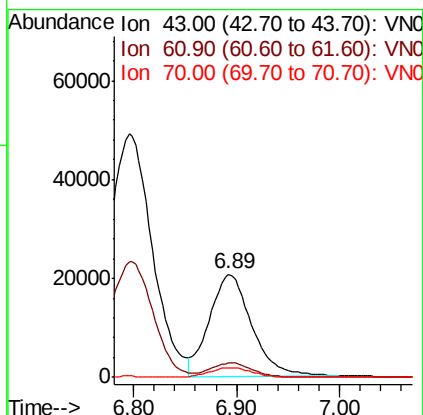
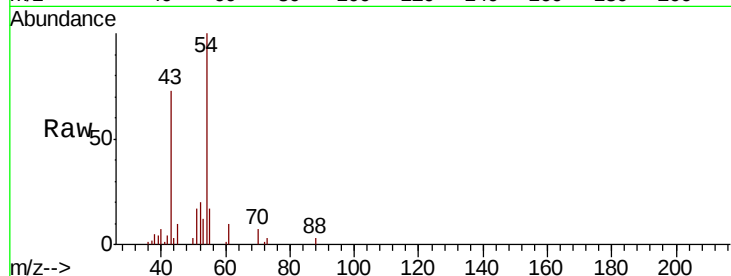




#37
Ethyl Acetate
Concen: 23.692 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

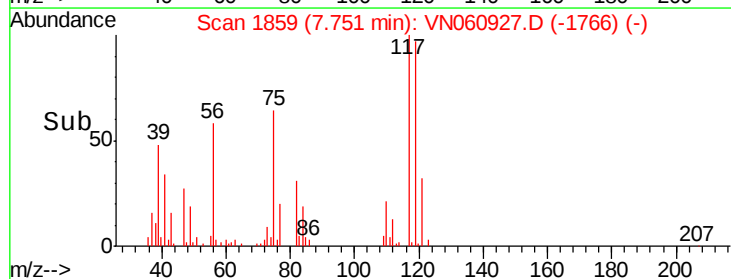
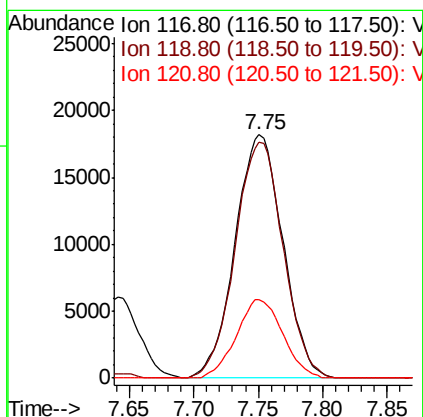
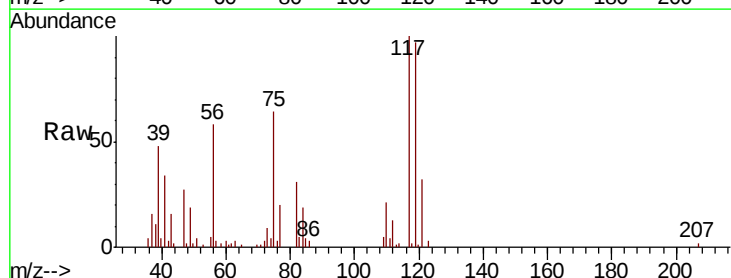
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

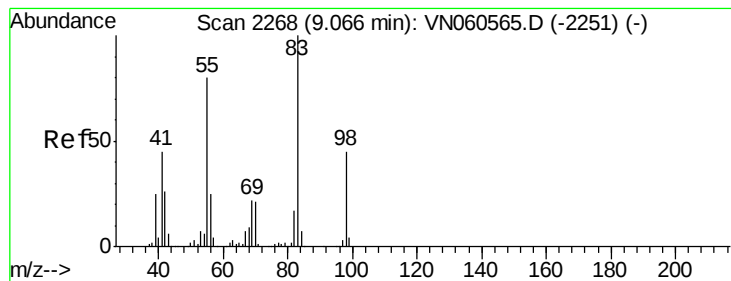
Tot Ion: 43 Resp: 58606
Ion Ratio Lower Upper
43 100
61 13.8 10.6 15.8
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 22.882 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 117 Resp: 46949
Ion Ratio Lower Upper
117 100
119 97.1 76.2 114.2
121 32.4 23.7 35.5

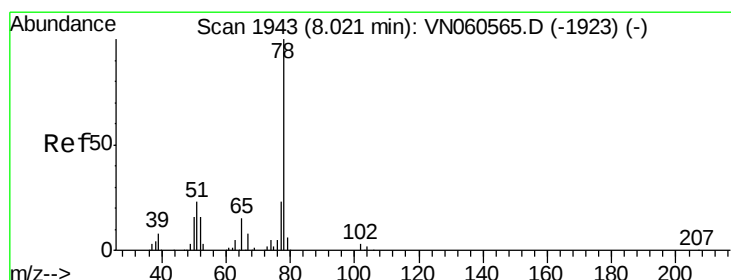
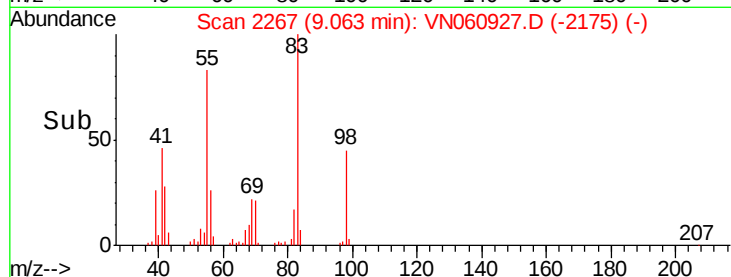
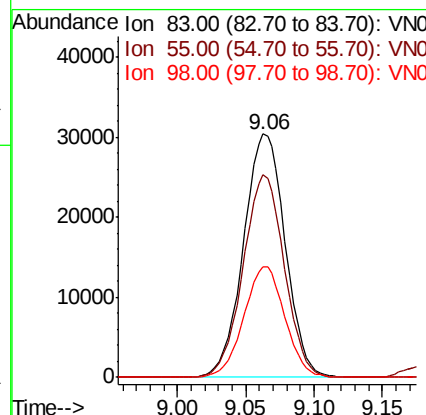
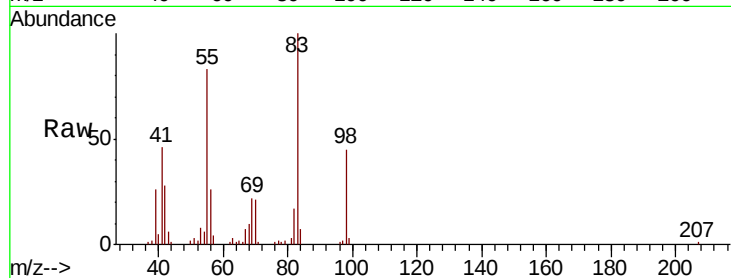




#39
Methvlcvclohexane
Concen: 23.715 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

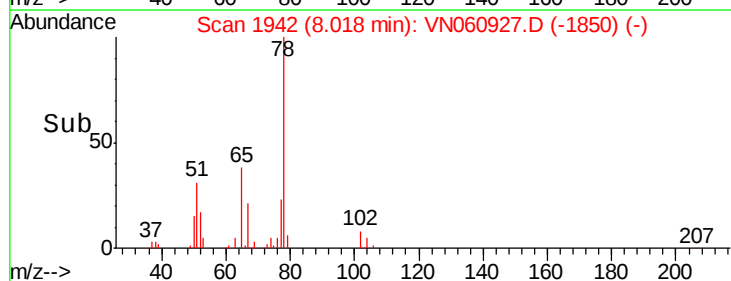
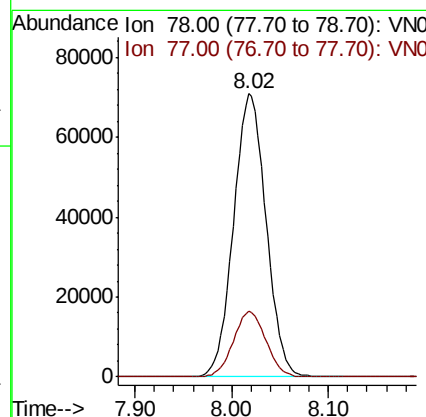
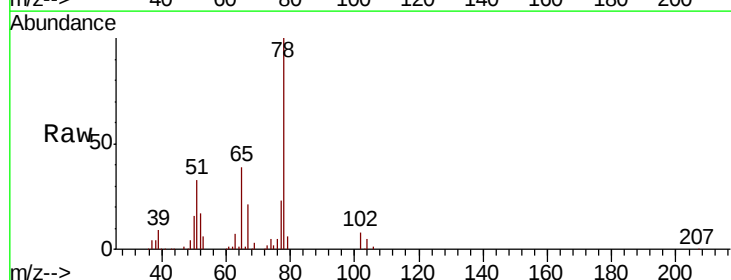
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

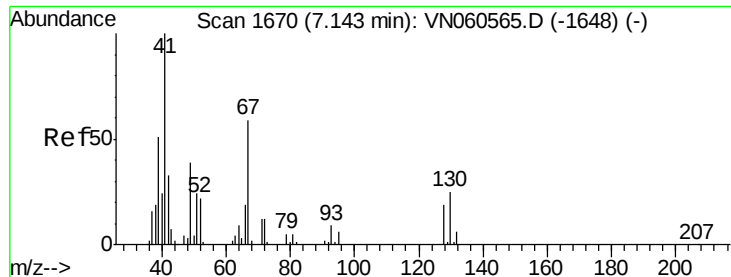
Tot Ion: 83 Resp: 64517
Ion Ratio Lower Upper
83 100
55 83.1 63.6 95.4
98 45.2 36.0 54.0



#40
Benzene
Concen: 23.962 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 78 Resp: 165599
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0

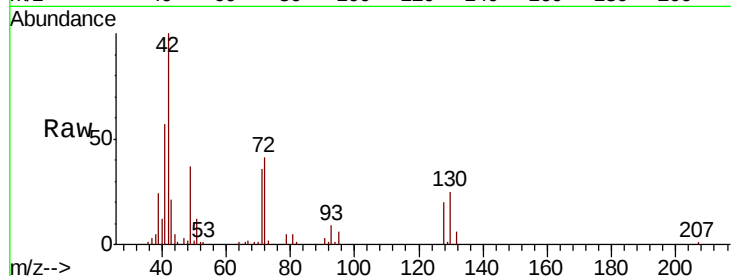




#41
Methacrylonitrile
Concen: 80.027 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.04 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion:	41	Resp:	84482
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



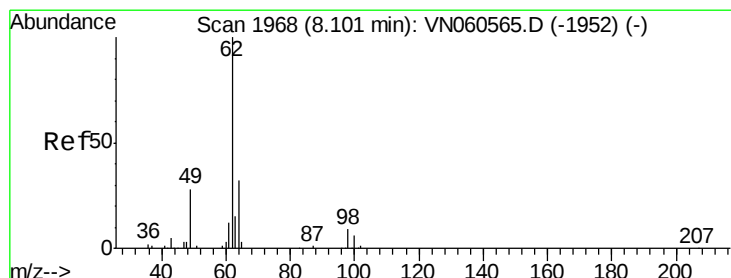
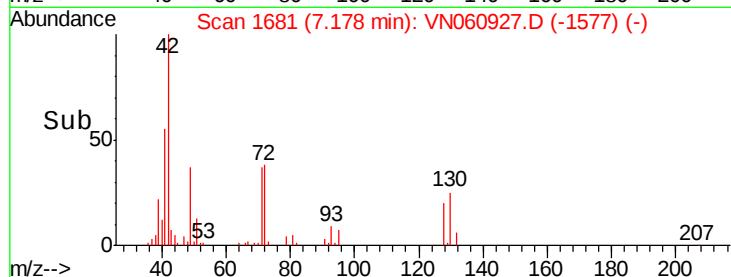
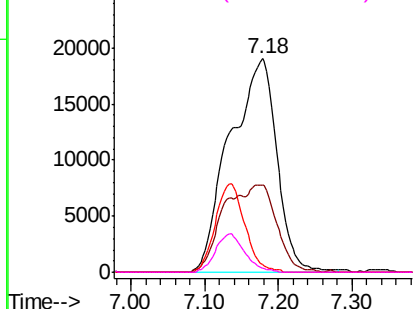
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

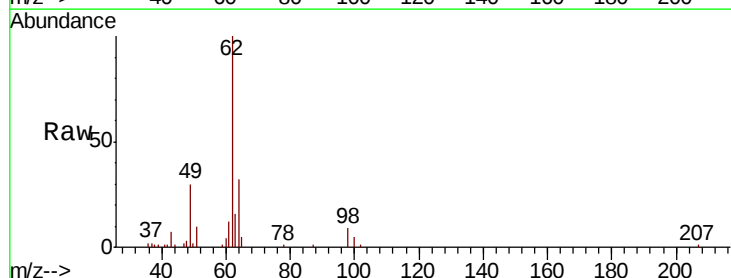
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 24.277 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

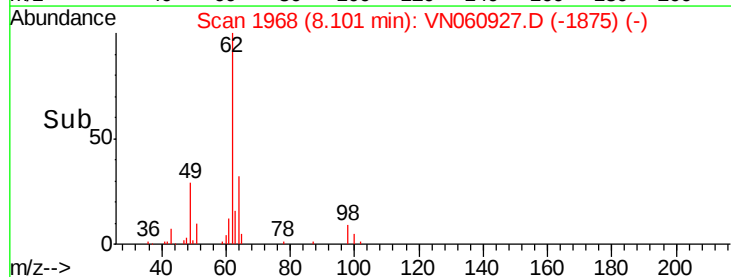
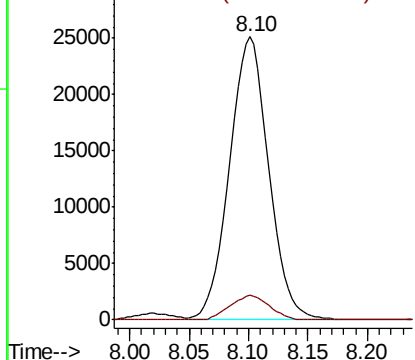
Tgt Ion:	62	Resp:	57338
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8

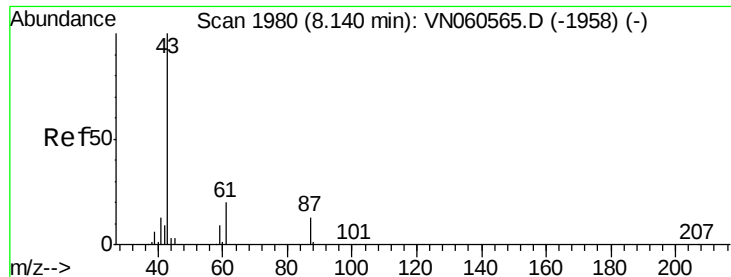


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

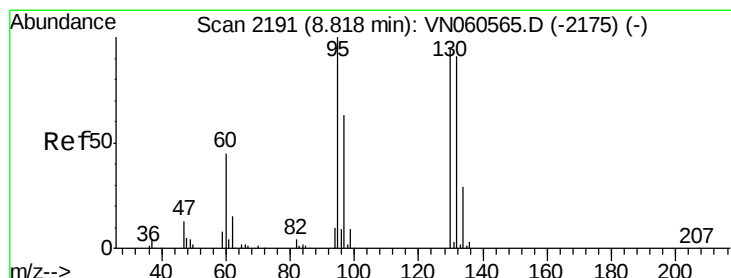
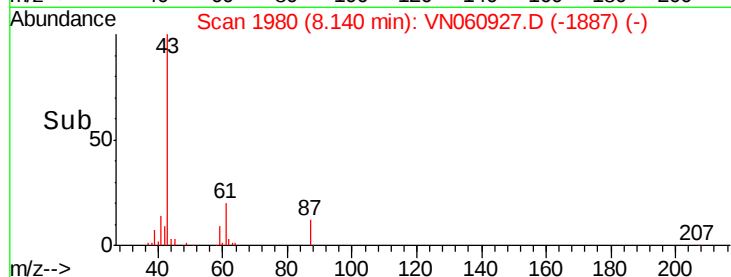
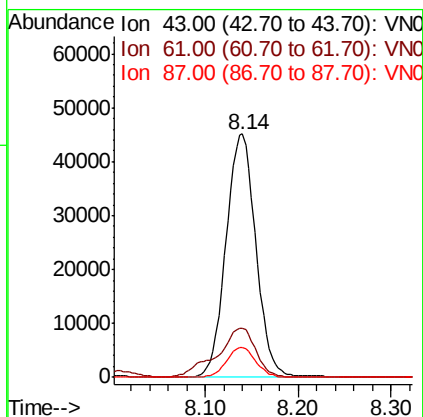
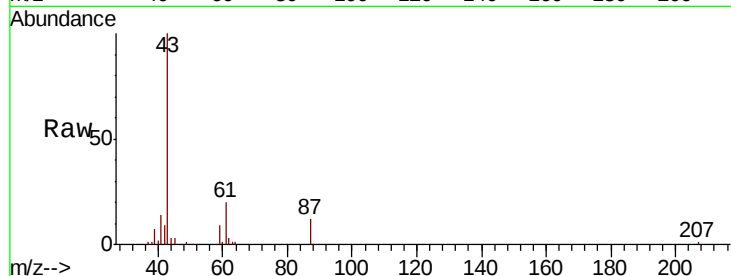




#43
Isopropyl Acetate
Concen: 24.764 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

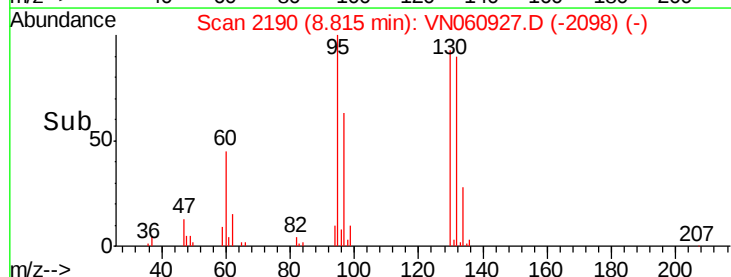
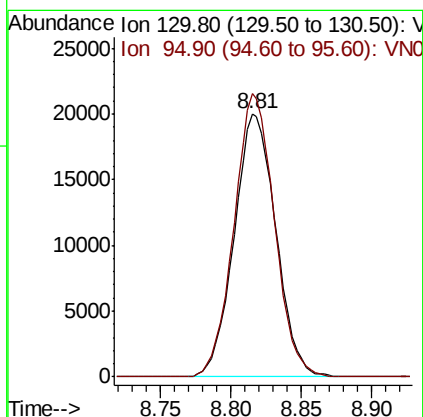
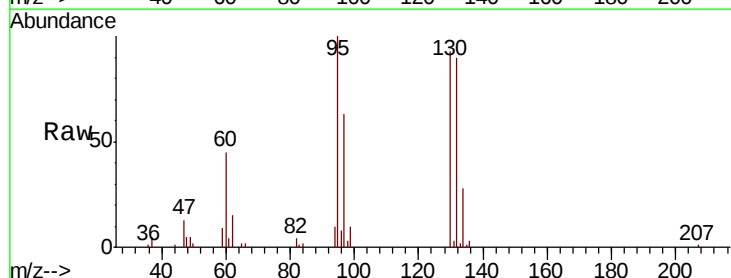
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

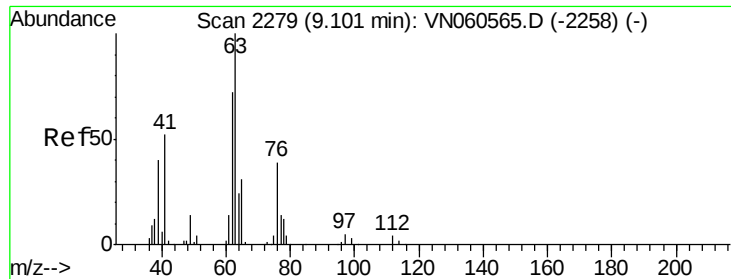
Tot Ion: 43 Resp: 101025
Ion Ratio Lower Upper
43 100
61 26.1 20.7 31.1
87 11.9 9.8 14.8



#44
Trichloroethene
Concen: 23.734 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 130 Resp: 41348
Ion Ratio Lower Upper
130 100
95 107.5 0.0 211.2

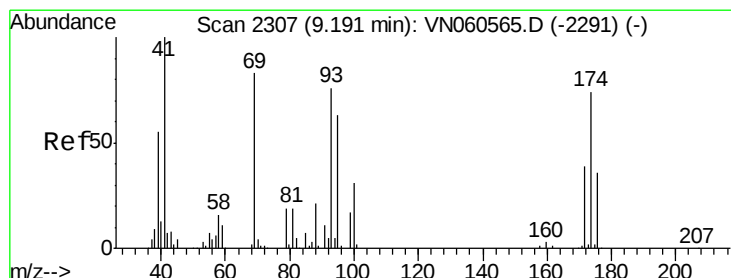
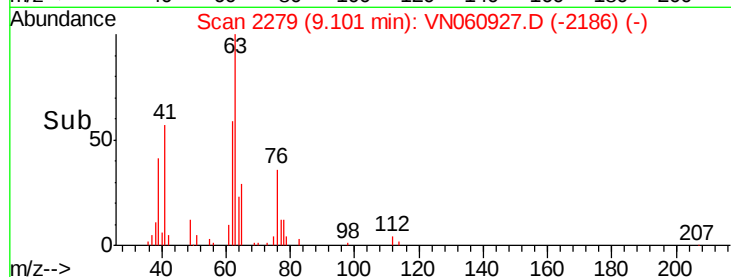
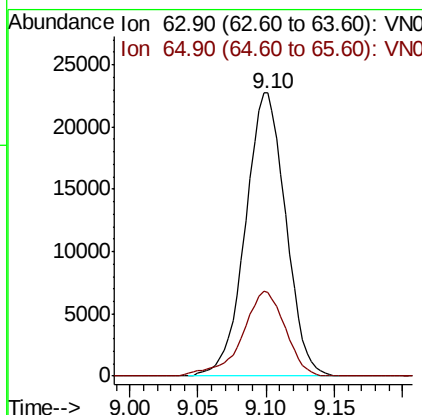
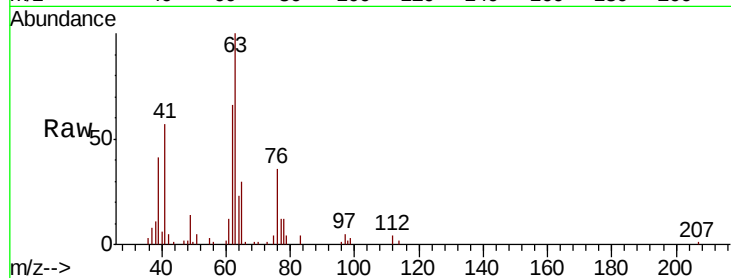




#45
 1,2-Dichloropropane
 Concen: 25.559 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

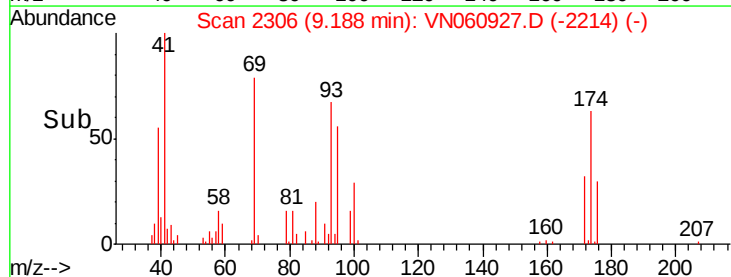
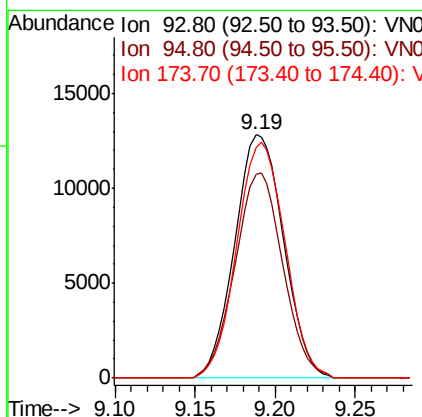
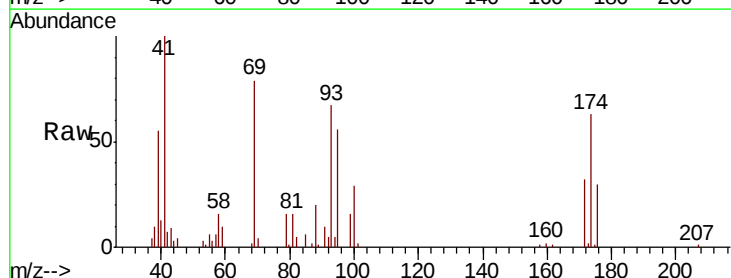
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

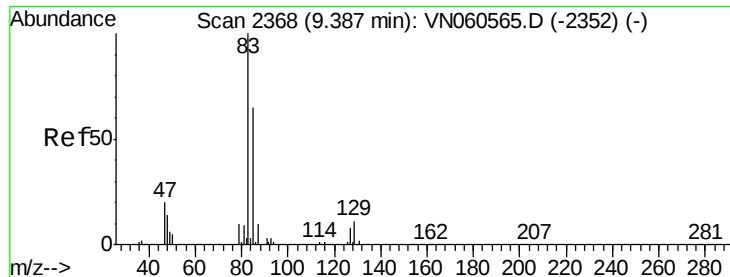
Tot Ion: 63 Resp: 46607
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.4 38.0



#46
 Dibromomethane
 Concen: 24.339 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 93 Resp: 26832
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.2 99.4
 174 95.5 77.9 116.9





#47

Bromodichloromethane

Concen: 24.665 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

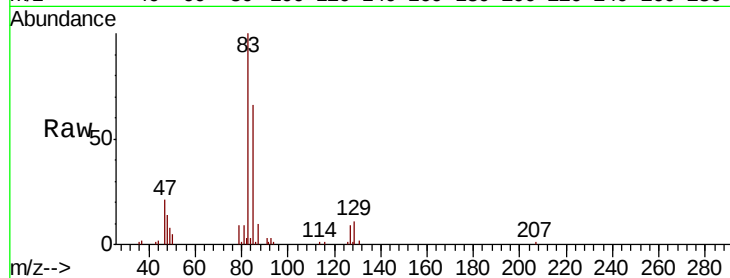
Tot Ion: 83 Resp: 56504

Ion Ratio Lower Upper

83 100

85 66.4 51.8 77.6

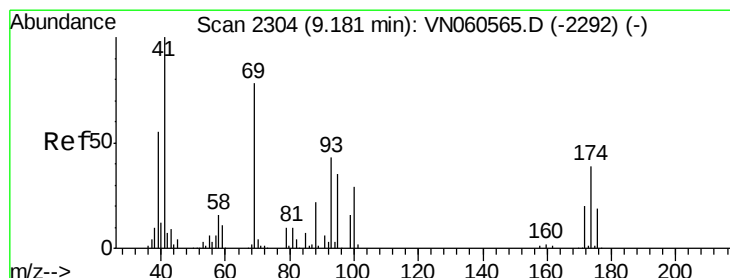
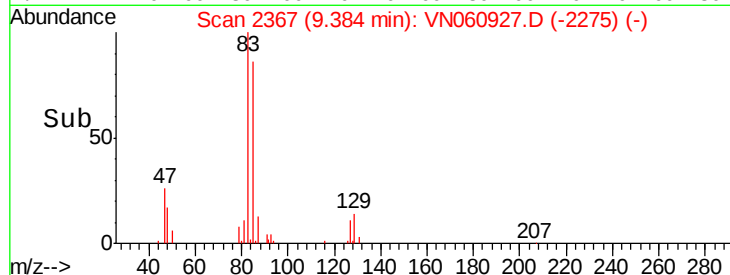
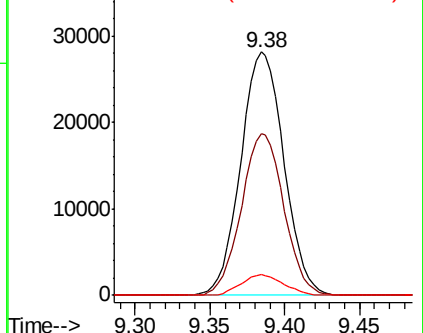
127 8.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060927.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060927.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060927.D (-2275) (-)



#48

Methyl methacrylate

Concen: 23.906 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

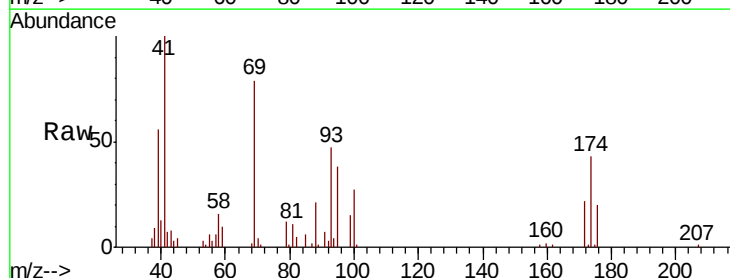
Tgt Ion: 41 Resp: 43420

Ion Ratio Lower Upper

41 100

69 81.9 65.4 98.0

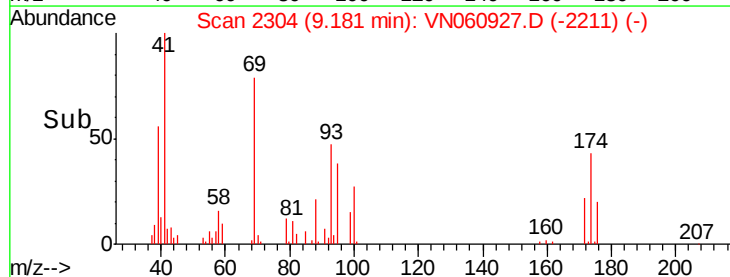
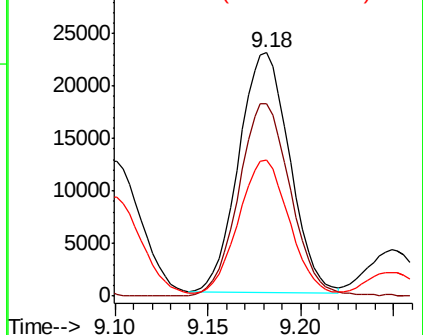
39 57.6 44.0 66.0

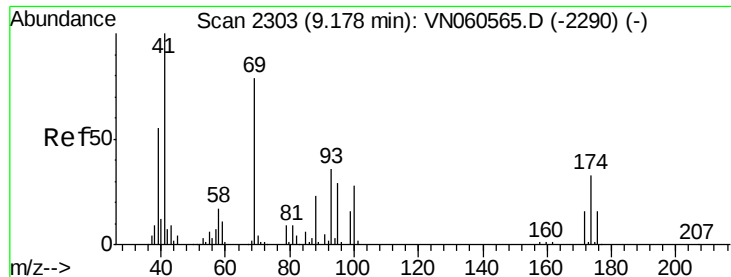


Abundance Ion 41.00 (40.70 to 41.70): VN060927.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060927.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060927.D (-2211) (-)

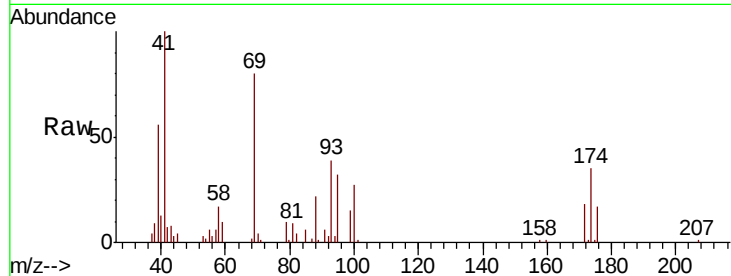




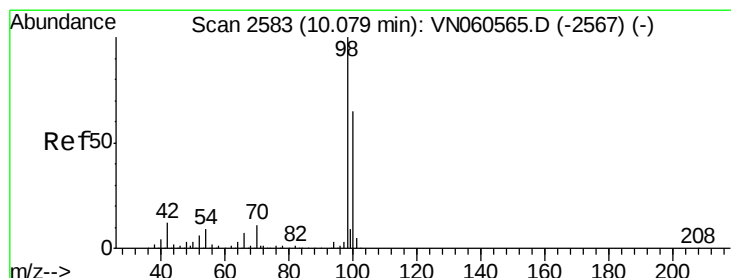
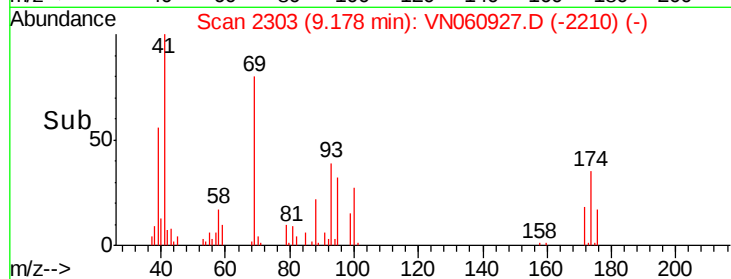
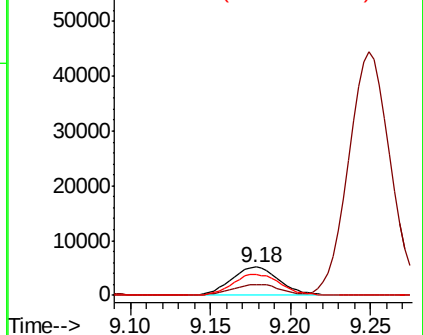
#49
1,4-Dioxane
Concen: 491.734 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion: 88 Resp: 10616
Ion Ratio Lower Upper
88 100
43 37.6 30.8 46.2
58 72.9 59.8 89.8

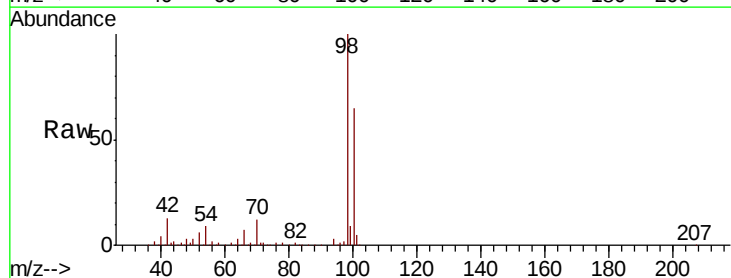


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

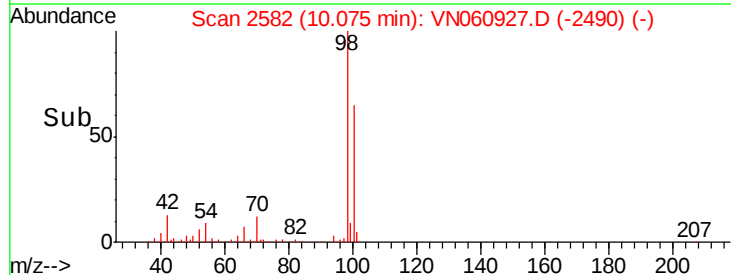
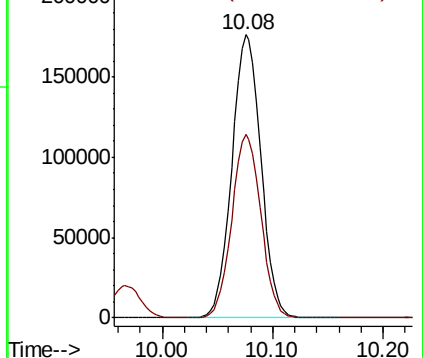


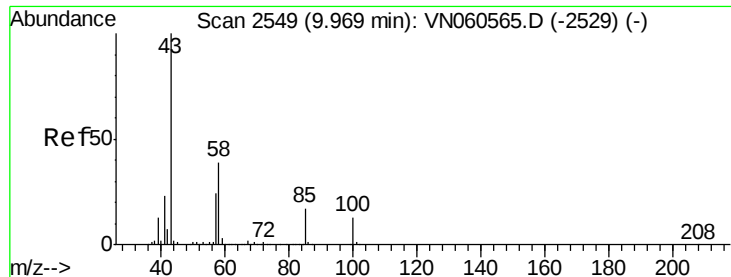
#50
Toluene-d8
Concen: 55.080 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 98 Resp: 321623
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



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

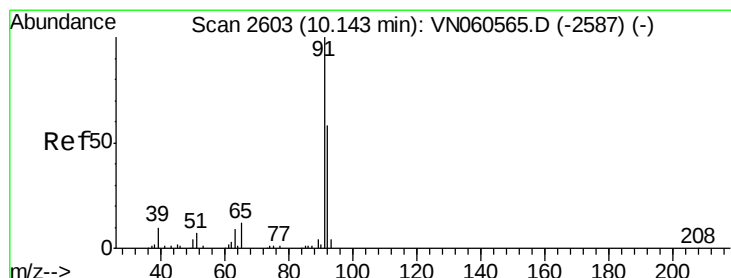
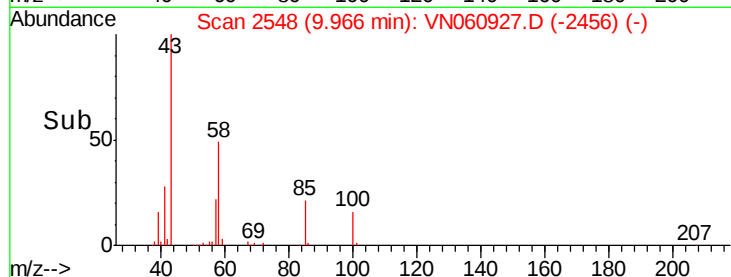
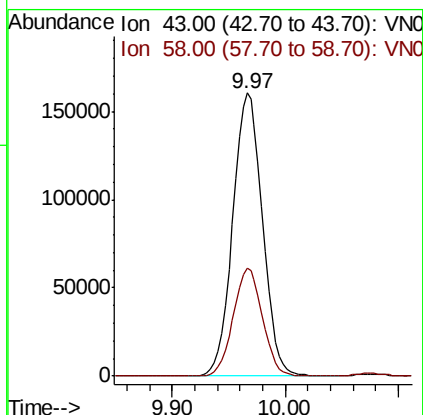
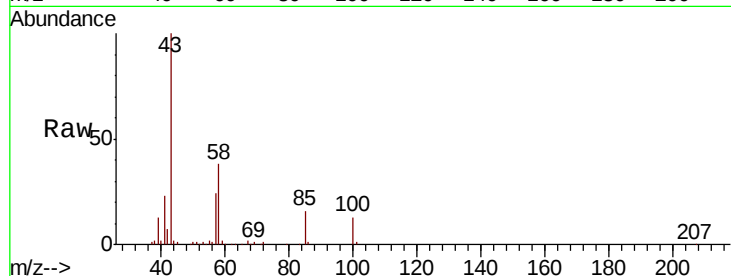




#51
 4-Methyl-2-Pentanone
 Concen: 126.077 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

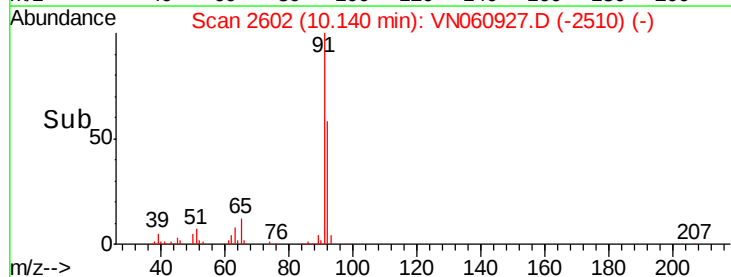
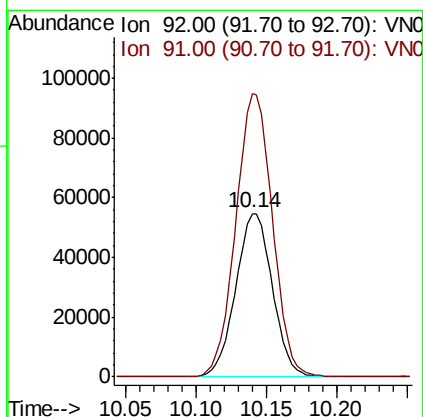
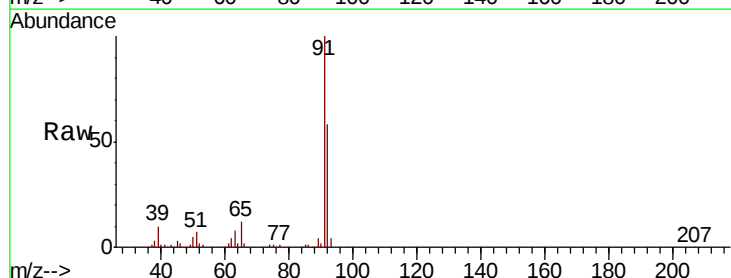
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0414WBSD01

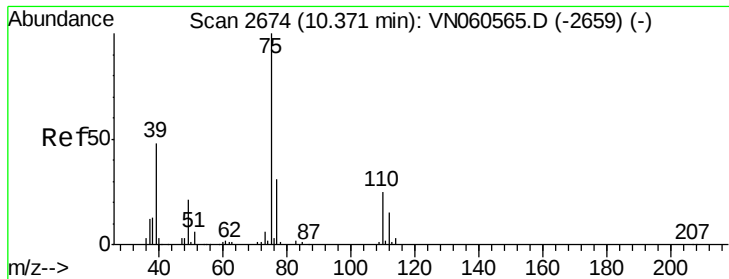
Tot Ion: 43 Resp: 292676
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.8 46.2



#52
 Toluene
 Concen: 23.838 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 92 Resp: 99493
 Ion Ratio Lower Upper
 92 100
 91 173.9 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 25.411 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

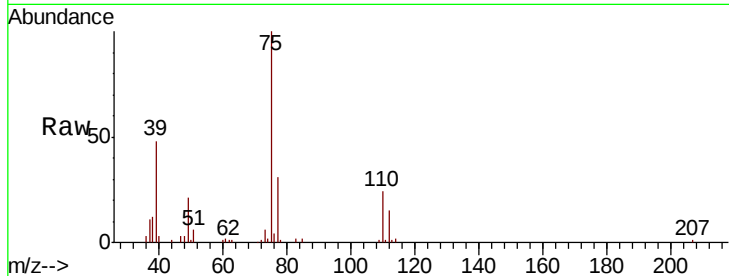
VN0414WBSD01

Tot Ion: 75 Resp: 66868

Ion Ratio Lower Upper

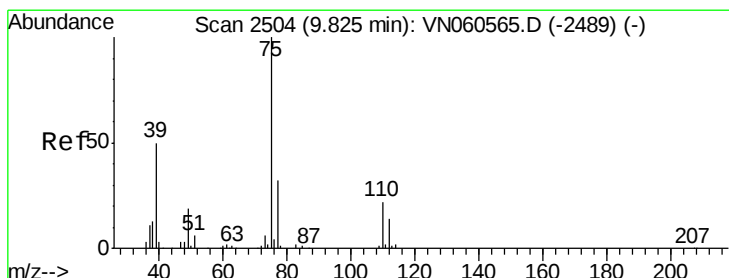
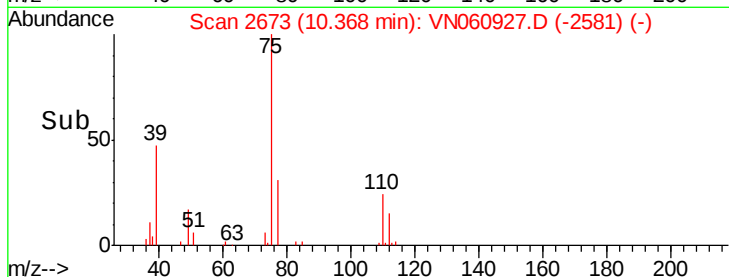
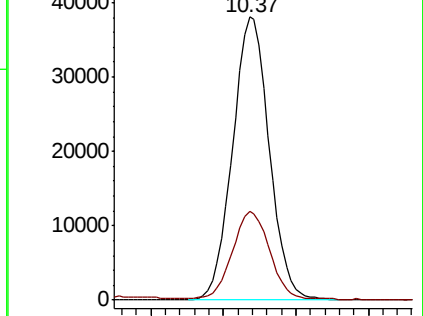
75 100

77 31.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 24.690 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

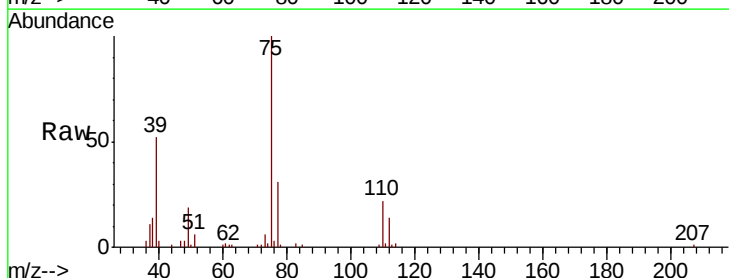
Tgt Ion: 75 Resp: 71276

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

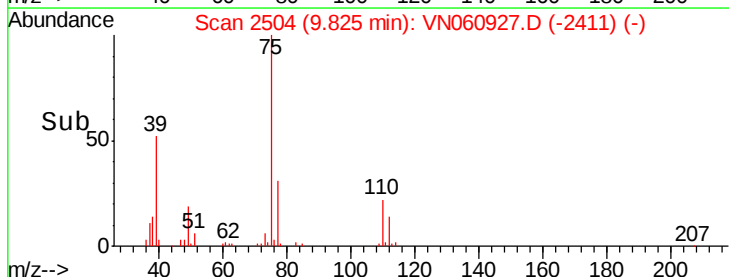
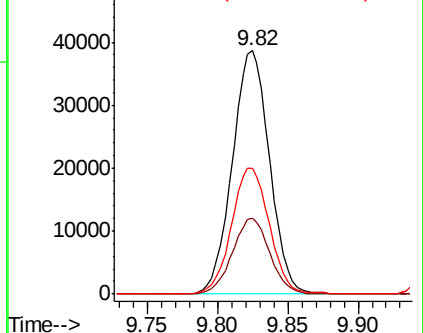
39 51.9 40.2 60.4

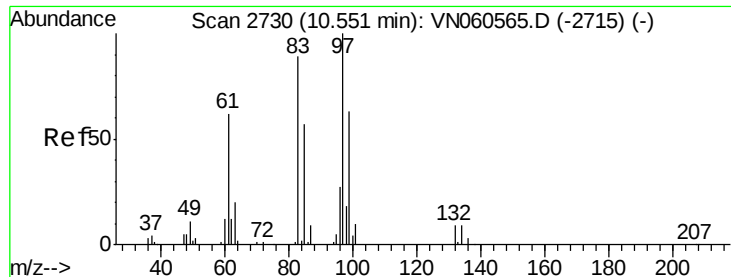


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 24.592 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

Tot Ion: 97 Resp: 39486

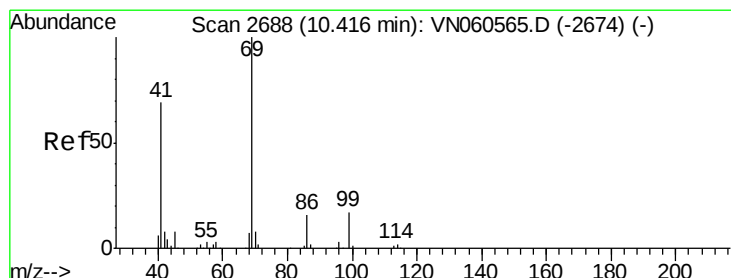
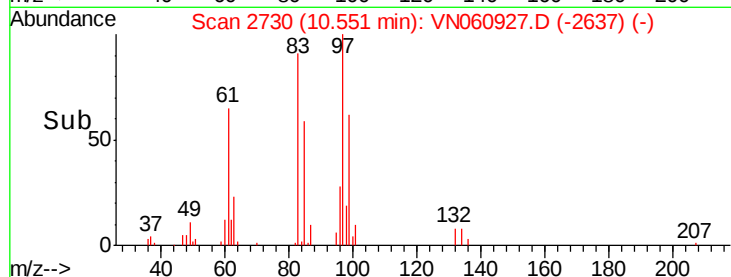
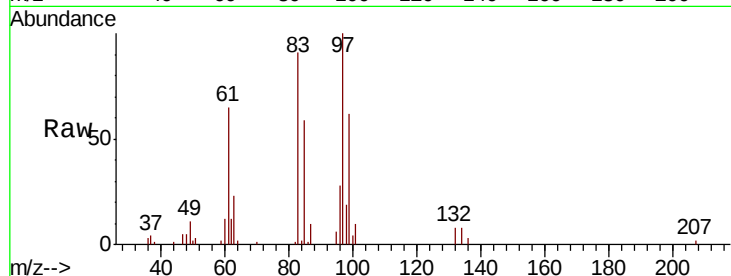
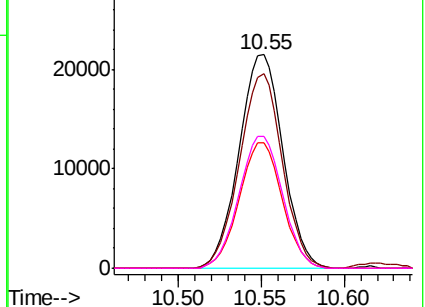
Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.3	106.9
85	58.8	45.2	67.8
99	61.7	50.1	75.1

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: 24.691 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

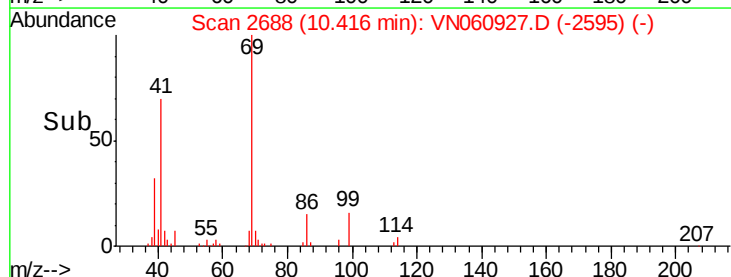
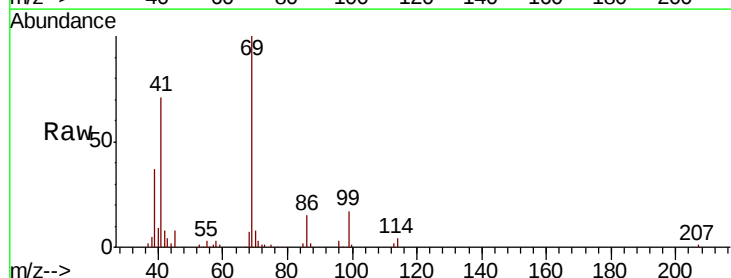
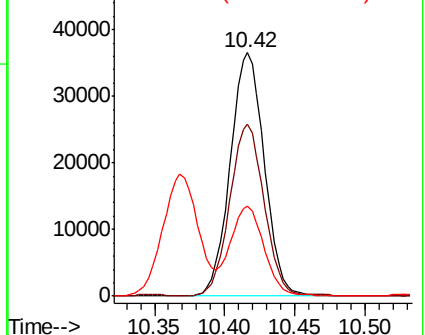
Tgt Ion: 69 Resp: 61816

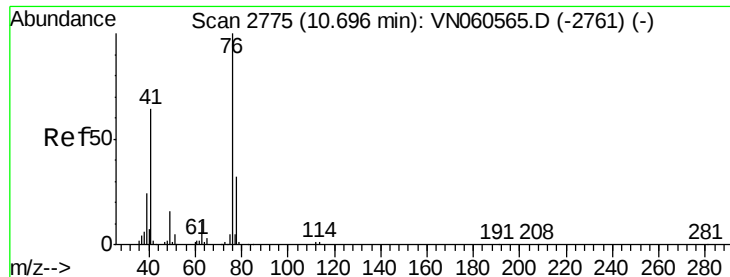
Ion	Ratio	Lower	Upper
69	100		
41	71.3	55.4	83.2
39	36.8	29.4	44.0

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: 24.473 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

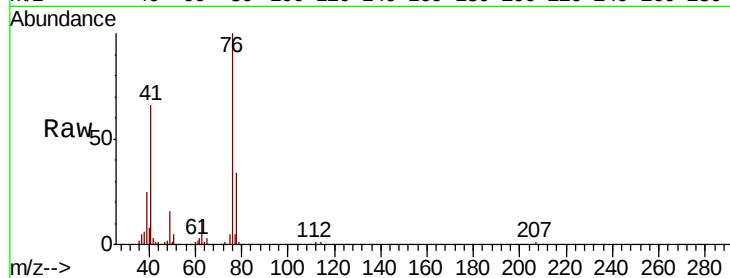
VN0414WBSD01

Tot Ion: 76 Resp: 68189

Ion Ratio Lower Upper

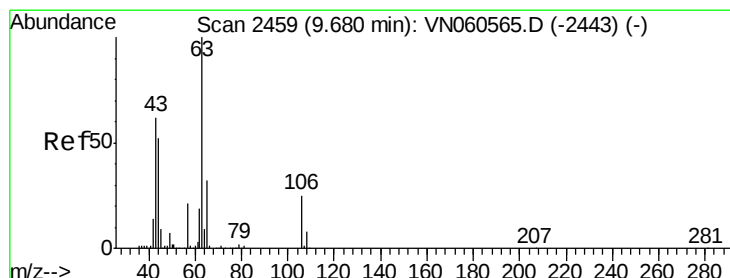
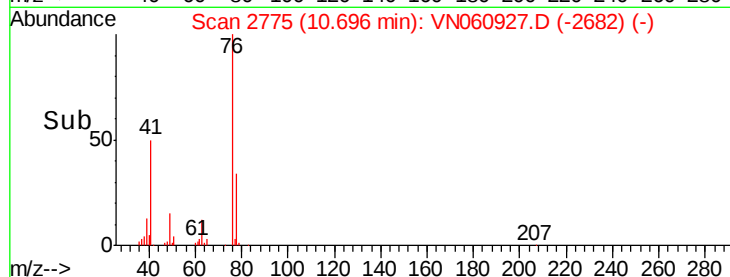
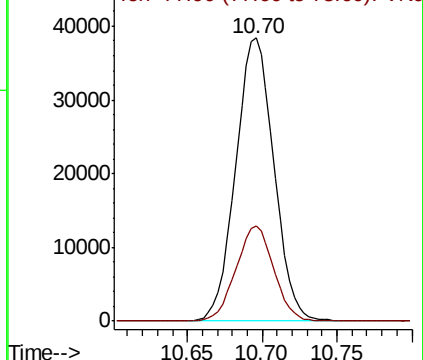
76 100

78 33.0 25.8 38.6



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: 95.270 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060927.D

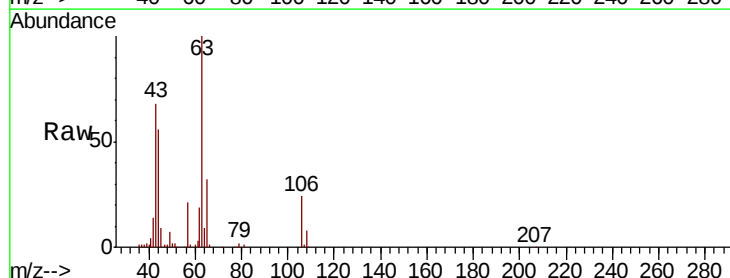
Acq: 14 Apr 2020 12:52

Tgt Ion: 63 Resp: 118546

Ion Ratio Lower Upper

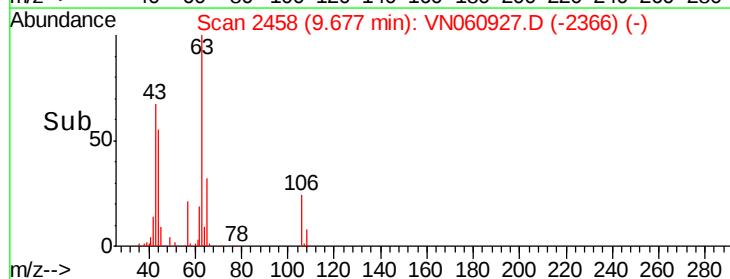
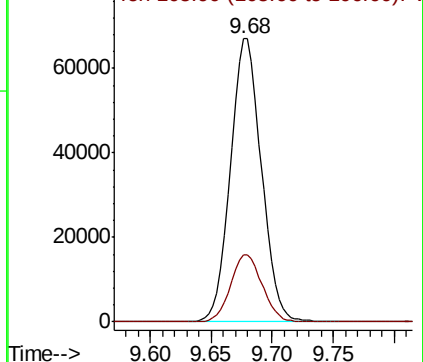
63 100

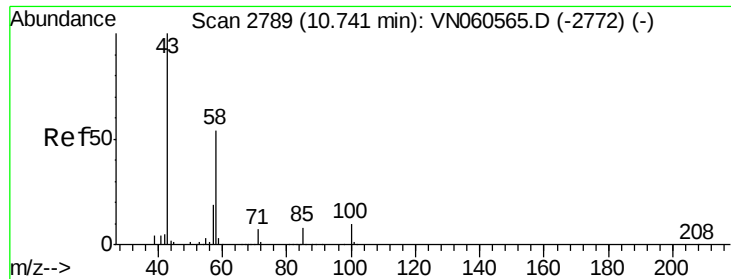
106 24.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

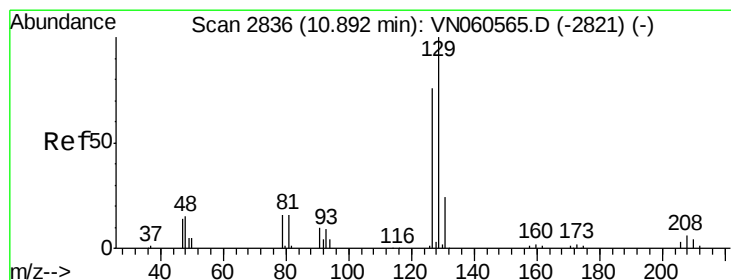
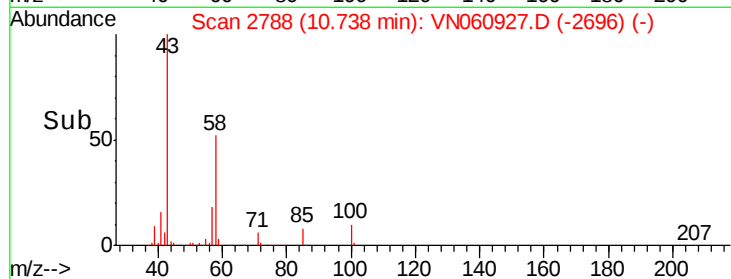
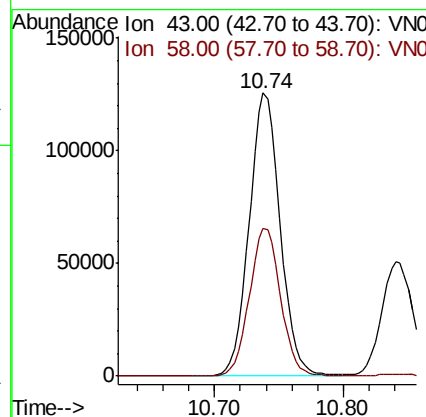
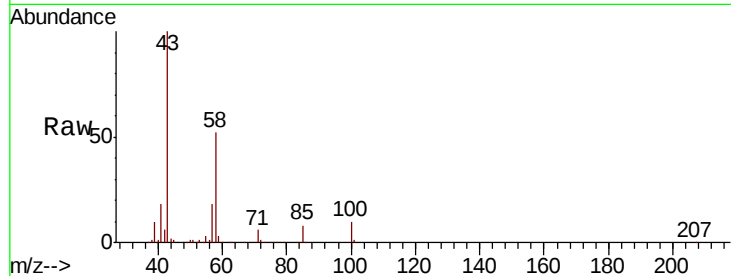




#59
2-Hexanone
Concen: 125.865 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

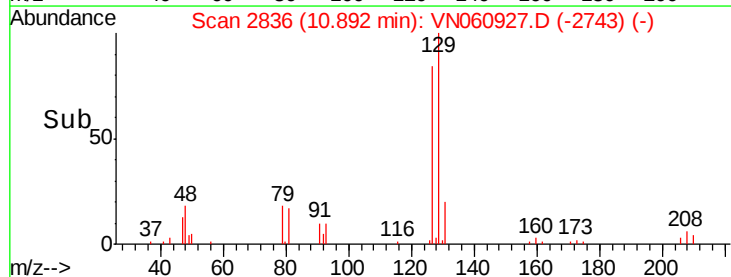
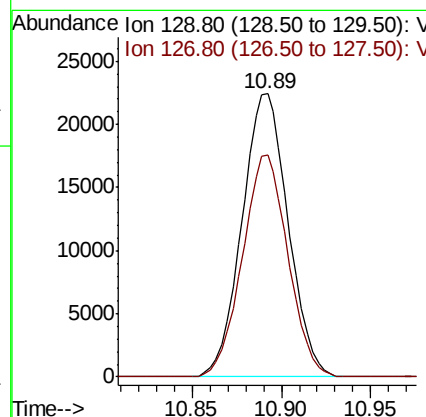
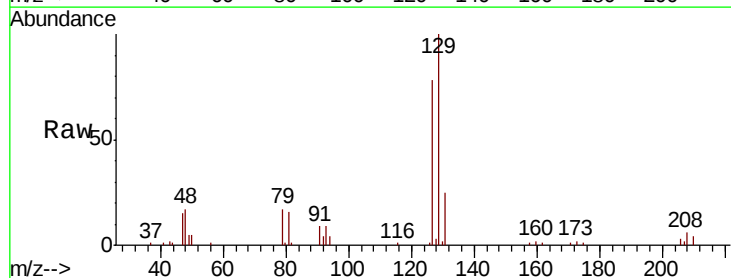
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

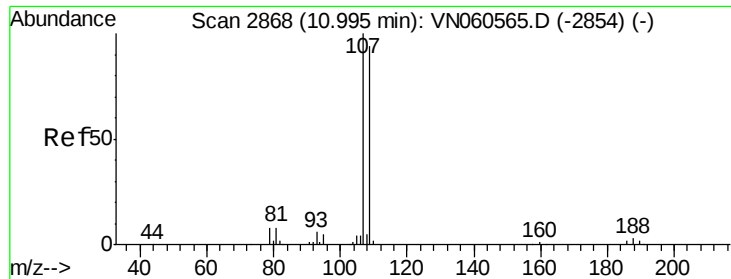
Tot Ion: 43 Resp: 210475
Ion Ratio Lower Upper
43 100
58 52.6 26.7 80.1



#60
Dibromochloromethane
Concen: 24.412 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion:129 Resp: 40489
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

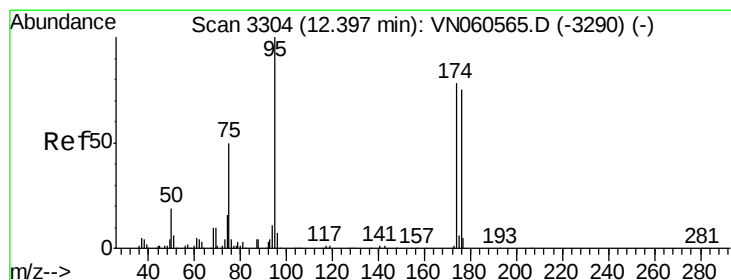
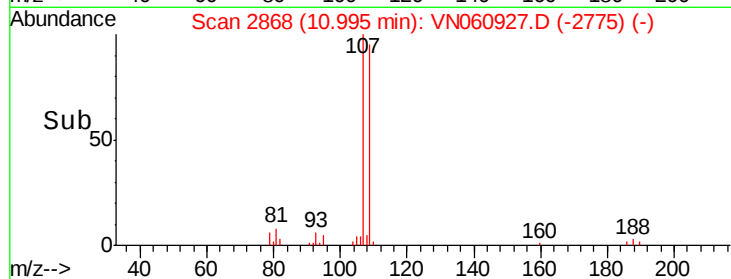
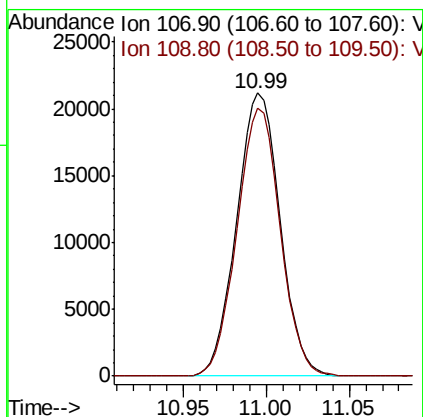
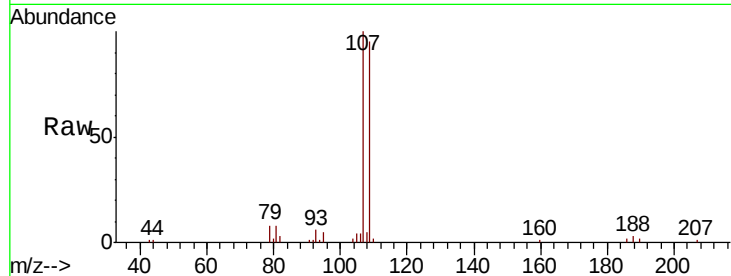




#61
 1,2-Dibromoethane
 Concen: 23.884 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

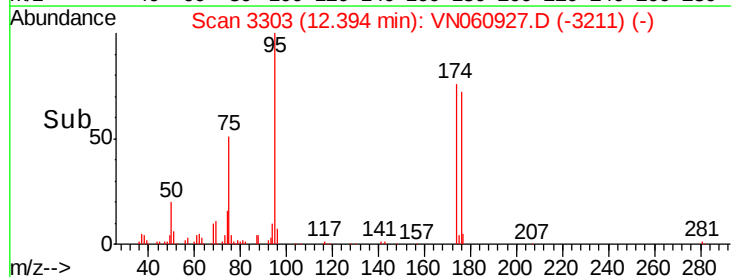
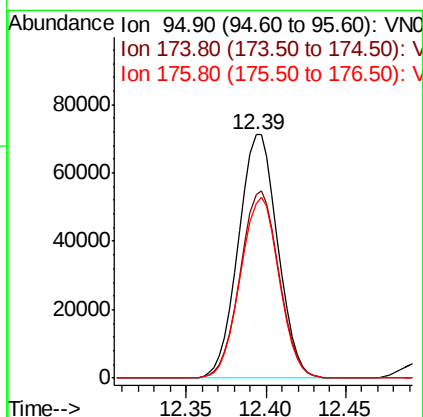
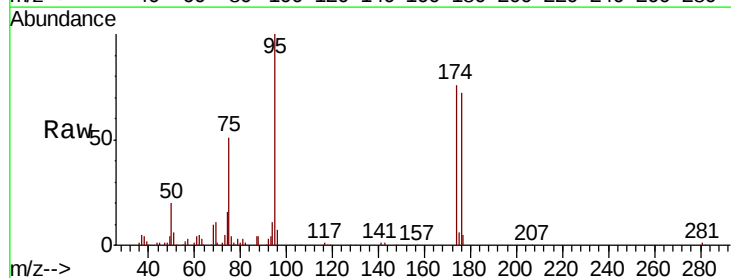
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

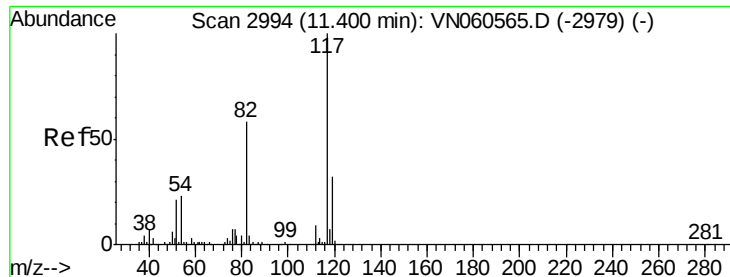
Tot Ion:107 Resp: 38562
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 55.632 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 95 Resp: 119052
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 157.6
 176 73.2 0.0 150.6

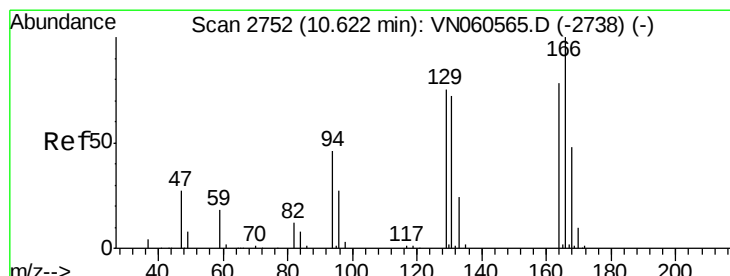
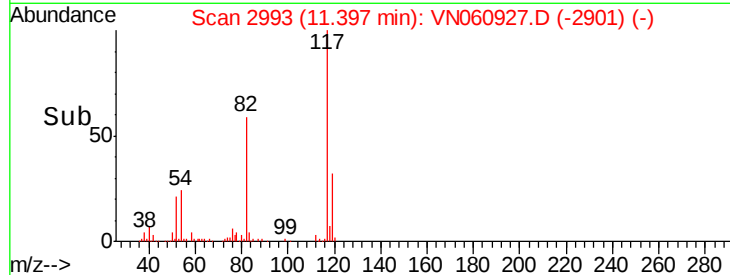
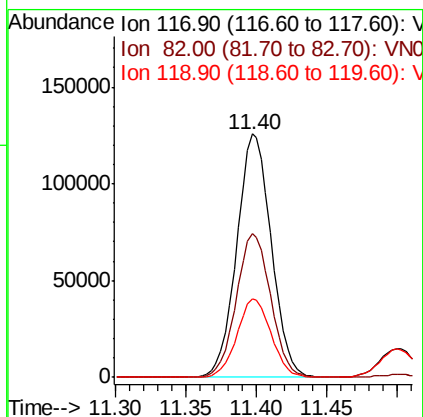
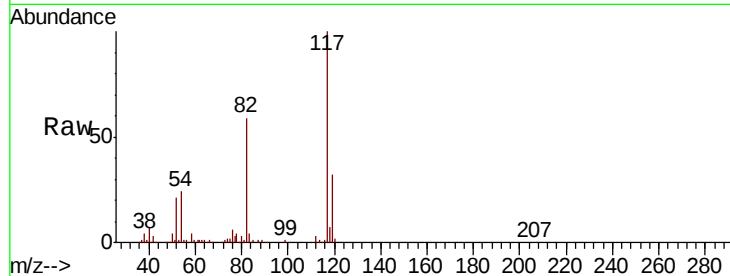




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

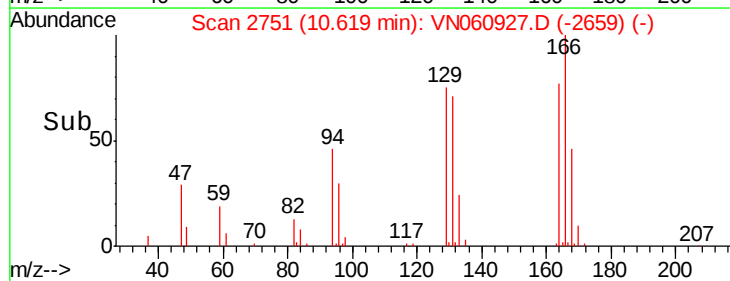
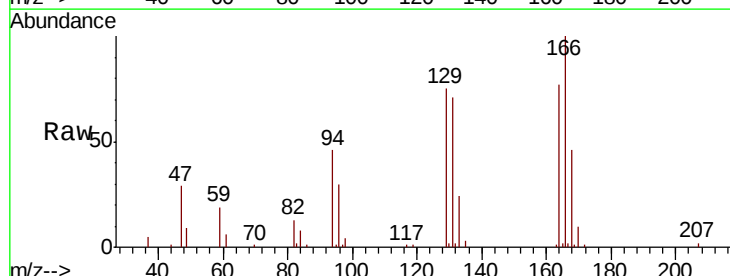
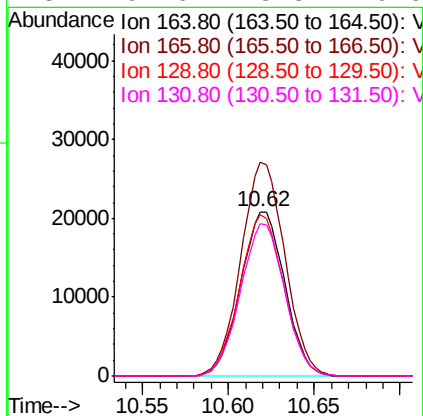
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

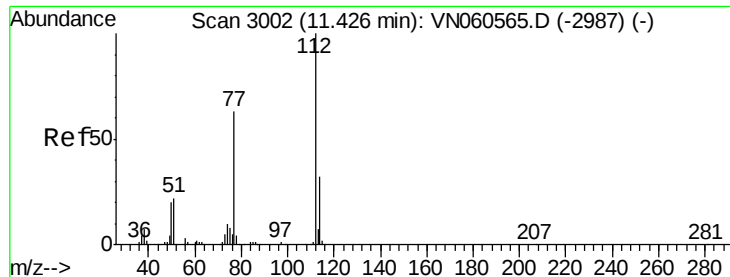
Tot Ion:117 Resp: 215378
Ion Ratio Lower Upper
117 100
82 59.1 46.7 70.1
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 21.896 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion:164 Resp: 37111
Ion Ratio Lower Upper
164 100
166 130.0 102.7 154.1
129 97.8 77.2 115.8
131 92.6 73.8 110.6

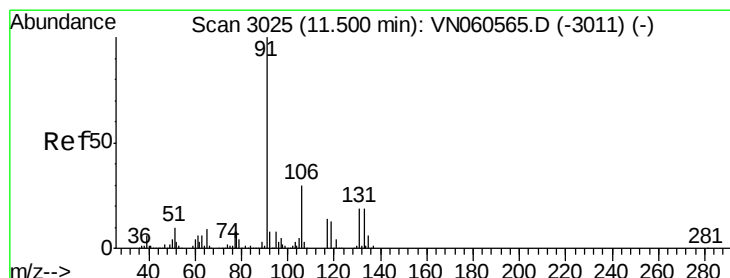
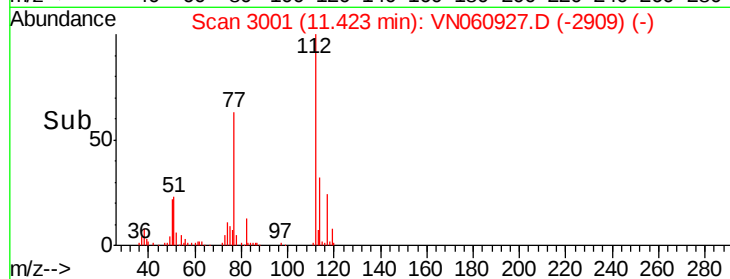
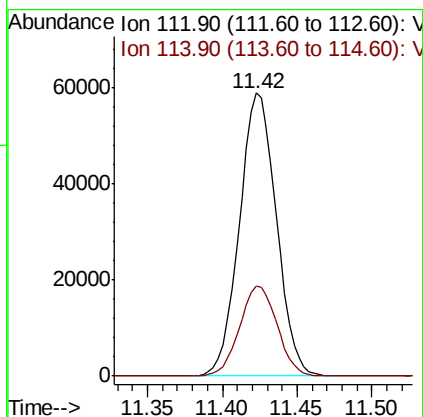
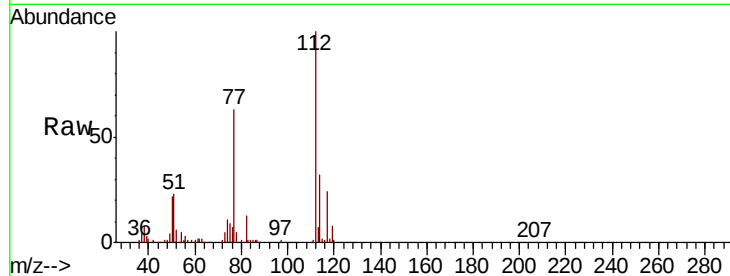




#65
Chlorobenzene
Concen: 23.787 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

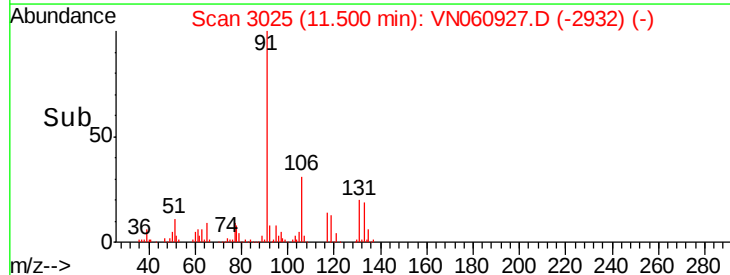
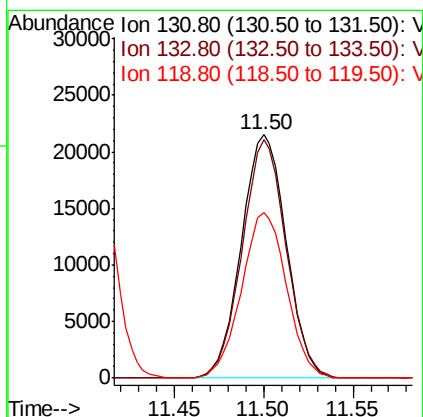
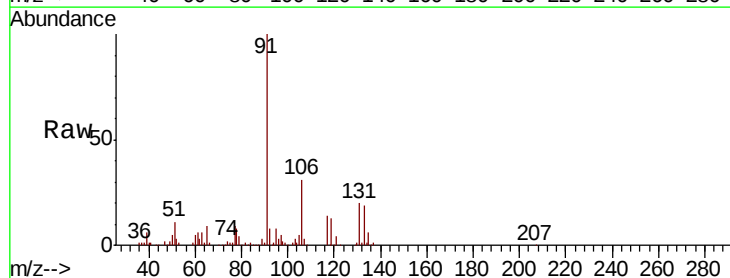
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

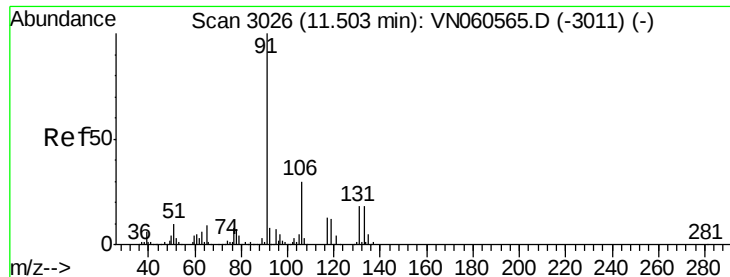
Tot Ion:112 Resp: 101561
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 24.425 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion:131 Resp: 37759
Ion Ratio Lower Upper
131 100
133 95.9 48.9 146.8
119 68.1 33.9 101.7





#67

Ethyl Benzene

Concen: 24.088 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

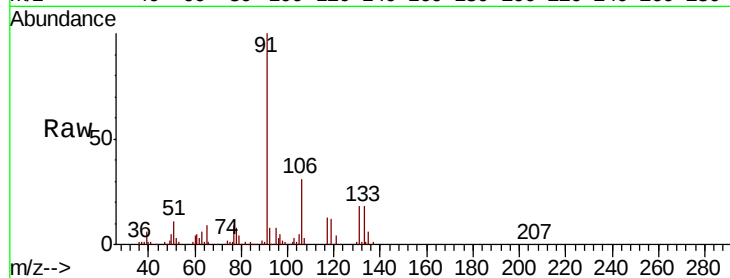
VN0414WBSD01

Tot Ion: 91 Resp: 191258

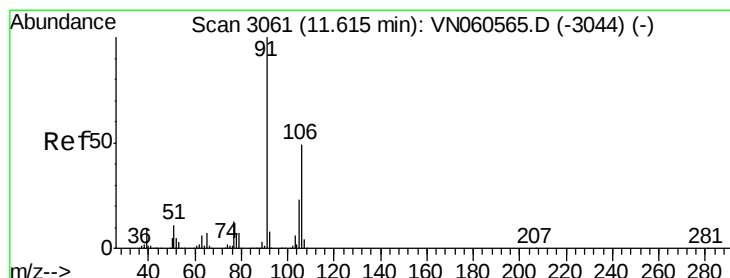
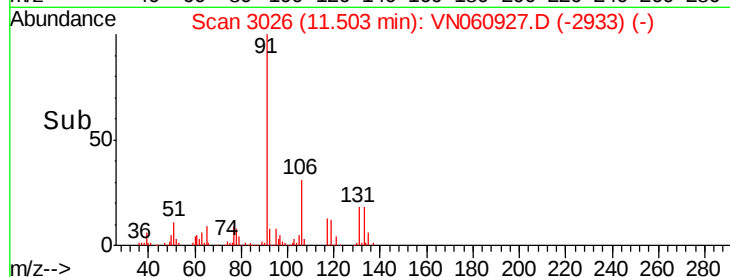
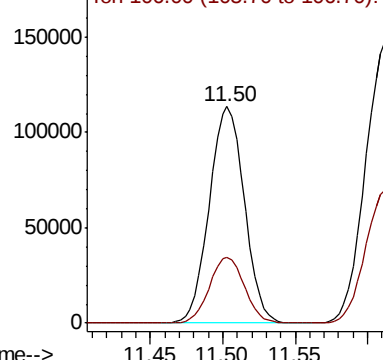
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060927.D (-2933) (-)



#68

m/p-Xylenes

Concen: 47.115 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060927.D

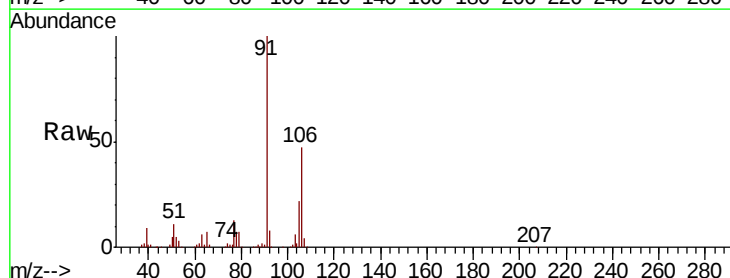
Acq: 14 Apr 2020 12:52

Tgt Ion: 106 Resp: 139015

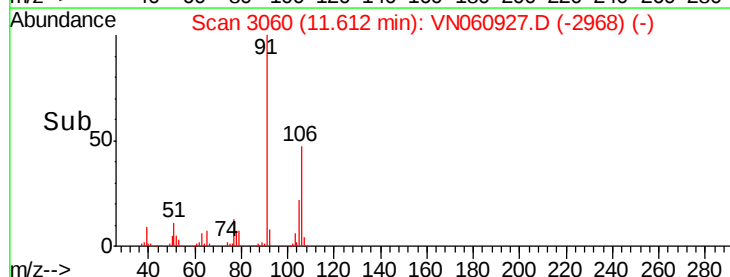
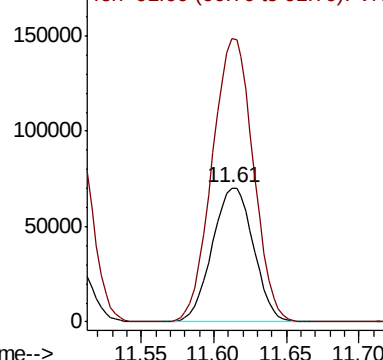
Ion Ratio Lower Upper

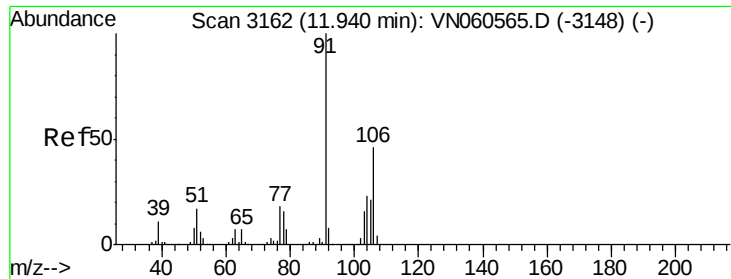
106 100

91 210.7 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060927.D (-2968) (-)

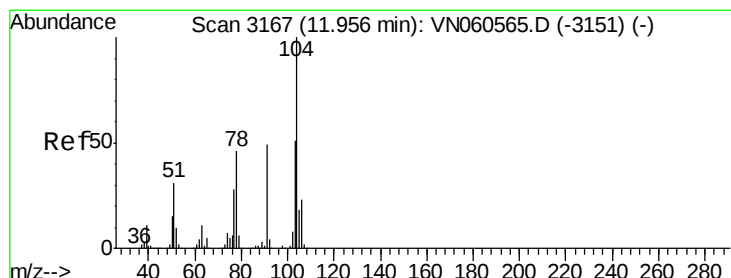
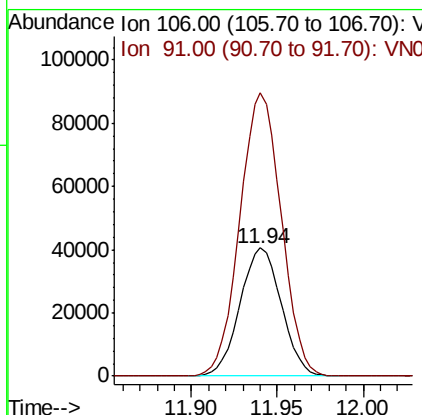
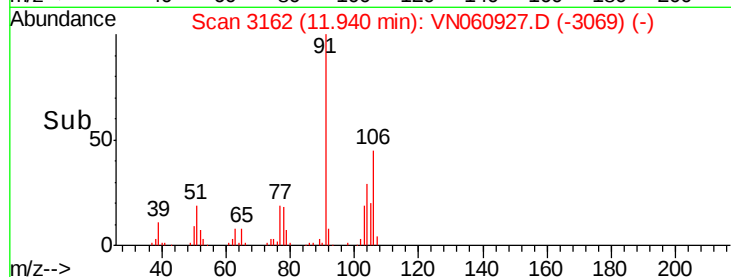
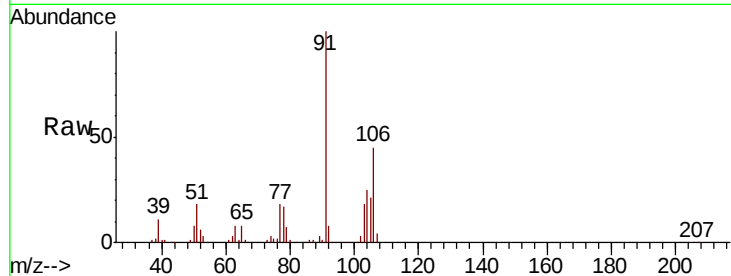




#69
o-Xylene
Concen: 24.151 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

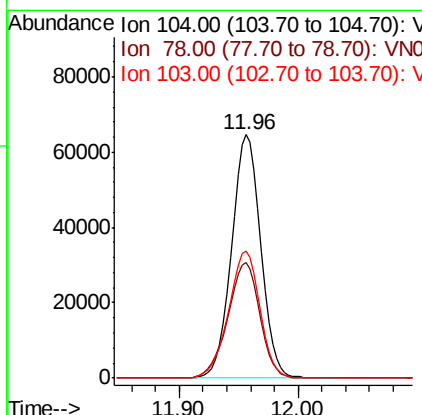
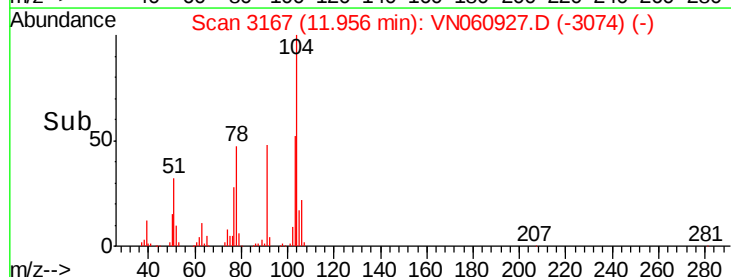
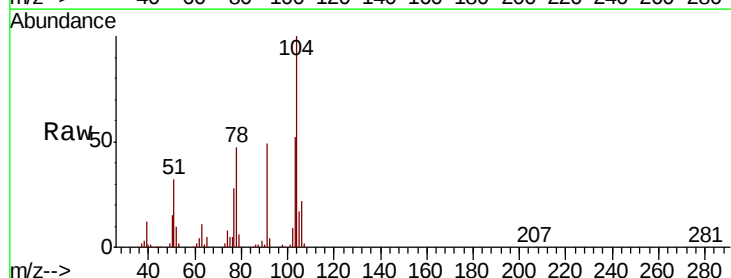
Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

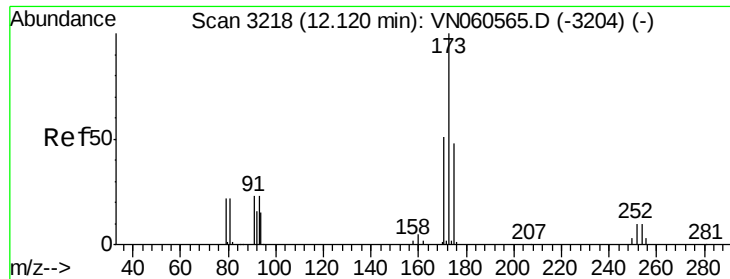
Tot Ion:106 Resp: 68025
Ion Ratio Lower Upper
106 100
91 220.3 109.5 328.4



#70
Styrene
Concen: 23.795 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion:104 Resp: 109614
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 56.1 44.0 66.0

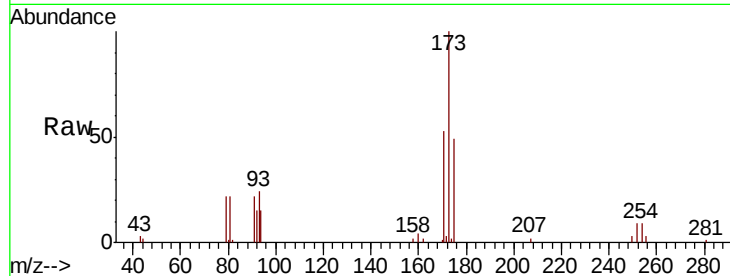




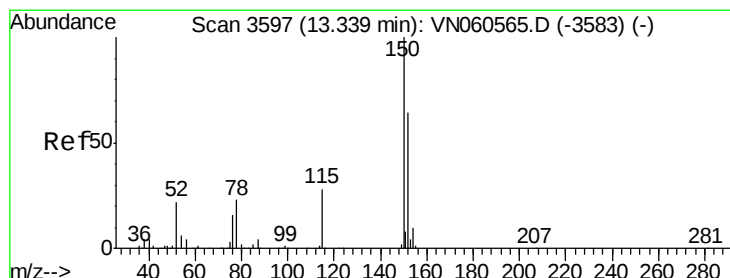
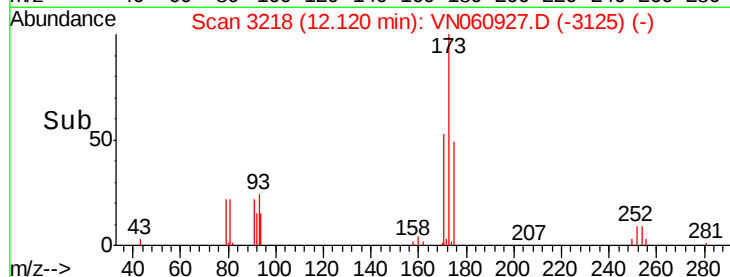
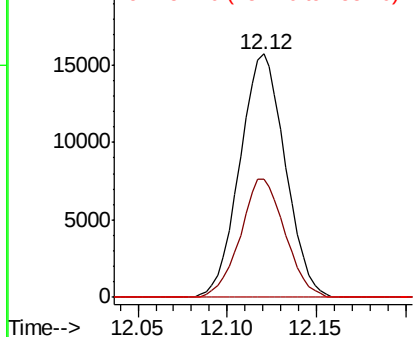
#71
Bromoform
Concen: 22.686 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion:173 Resp: 27928
Ion Ratio Lower Upper
173 100
175 47.6 24.1 72.4
254 0.0 0.0 0.0

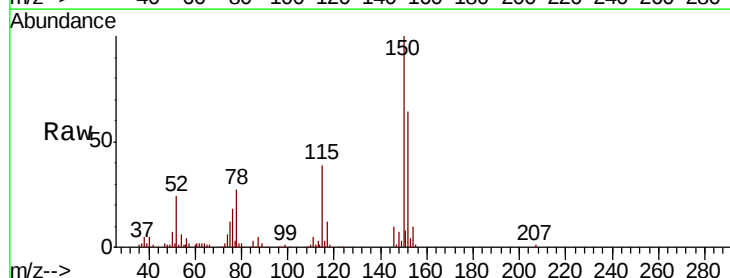


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

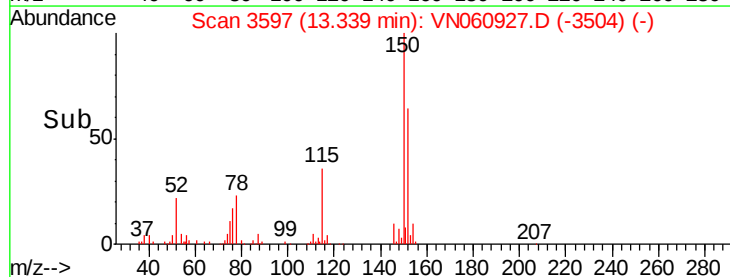
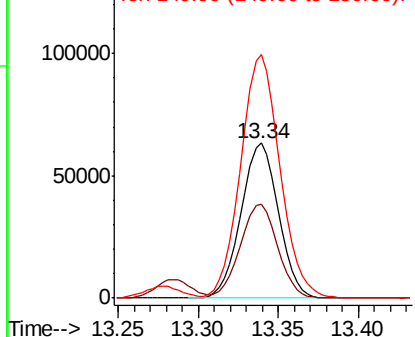


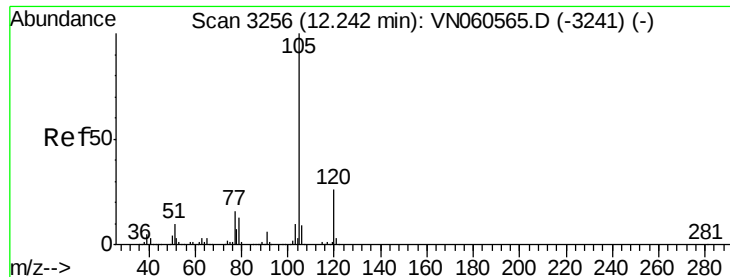
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion:152 Resp: 100857
Ion Ratio Lower Upper
152 100
115 60.7 30.2 90.6
150 165.2 0.0 350.2



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: 24.349 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

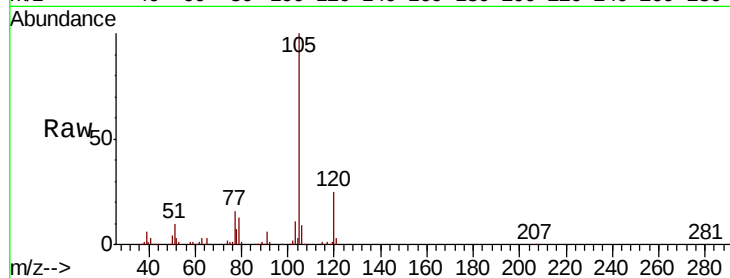
VN0414WBSD01

Tot Ion:105 Resp: 184294

Ion Ratio Lower Upper

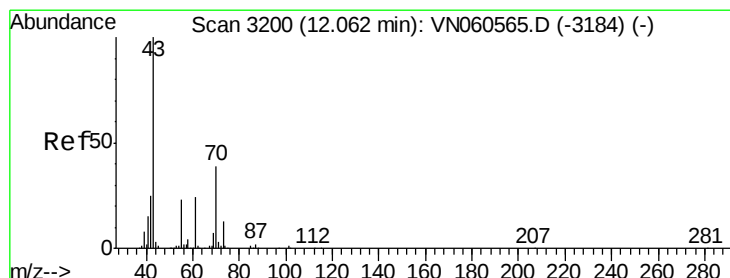
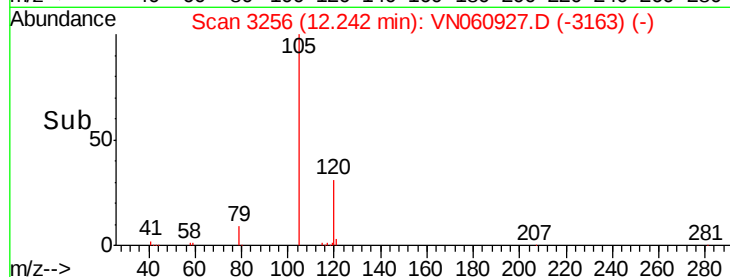
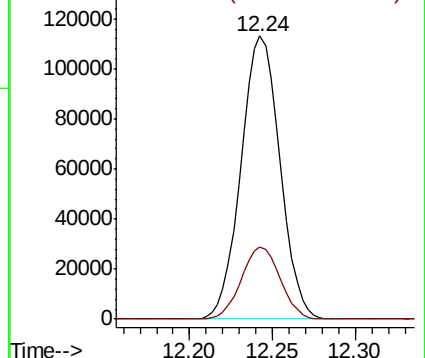
105 100

120 25.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.678 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Tgt Ion: 43 Resp: 82814

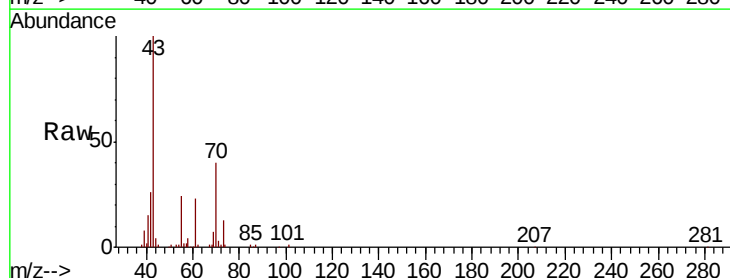
Ion Ratio Lower Upper

43 100

70 39.0 31.1 46.7

55 24.0 18.6 27.8

61 23.4 18.9 28.3

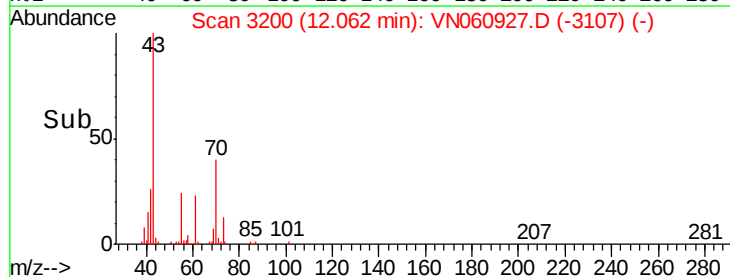
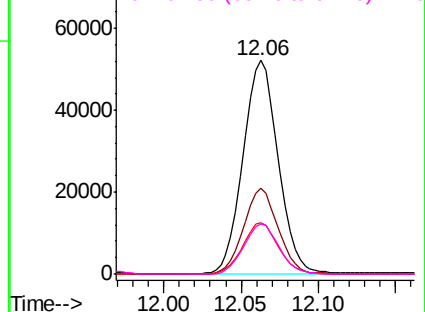


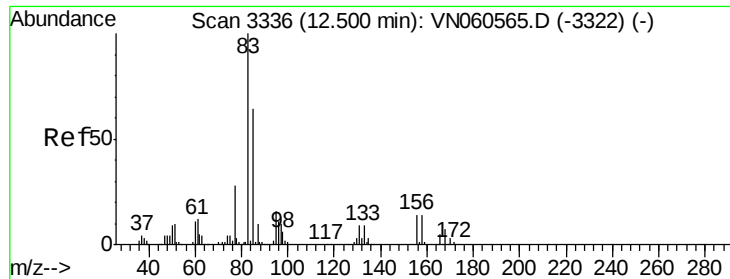
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.935 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

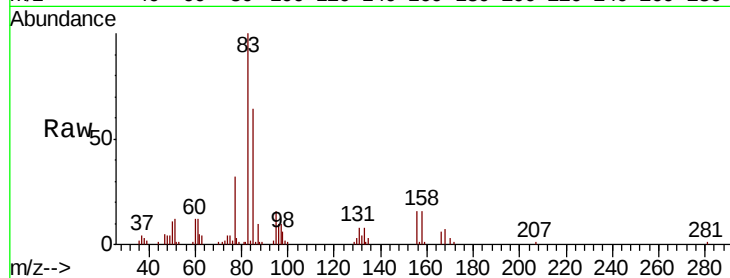
Tot Ion: 83 Resp: 57074

Ion Ratio Lower Upper

83 100

131 8.9 4.9 14.7

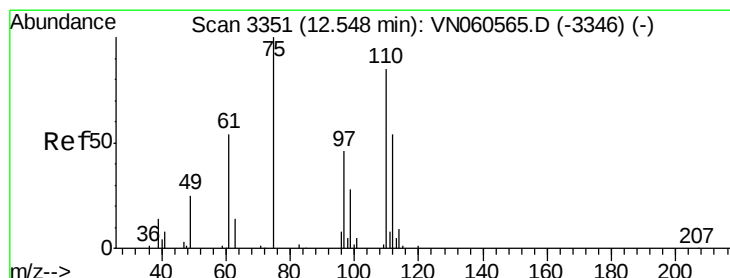
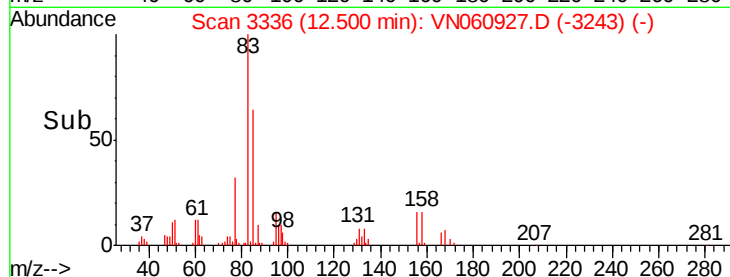
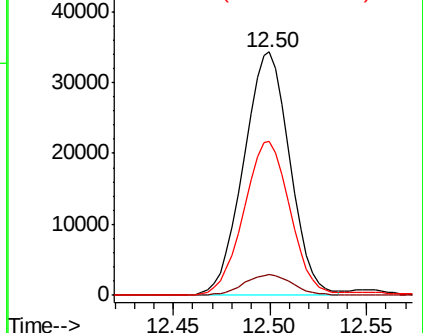
85 63.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060927.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060927.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060927.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 35.084 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060927.D

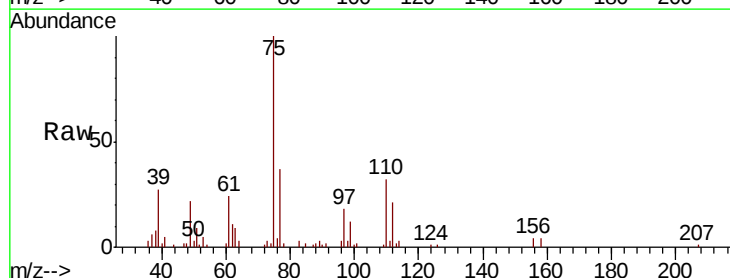
Acq: 14 Apr 2020 12:52

Tgt Ion: 75 Resp: 76353

Ion Ratio Lower Upper

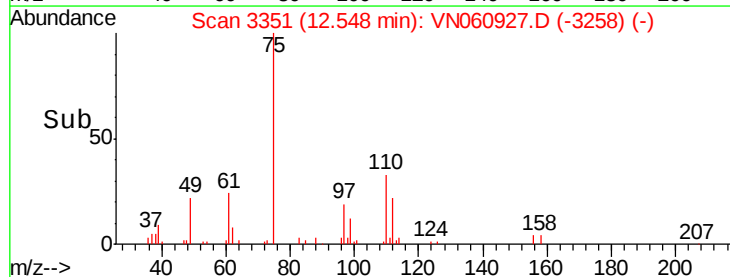
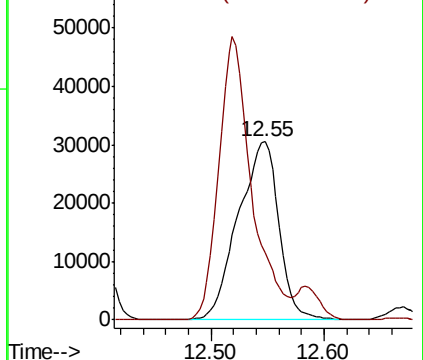
75 100

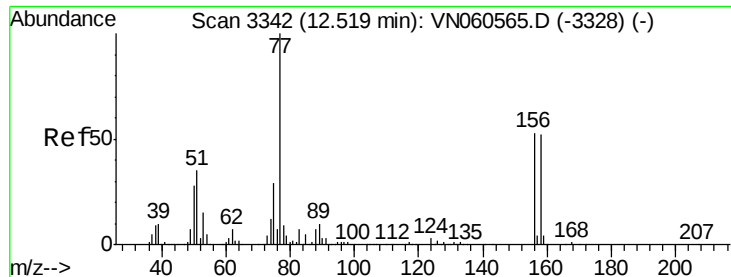
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060927.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060927.D (-3258) (-)





#77

Bromobenzene

Concen: 23.066 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

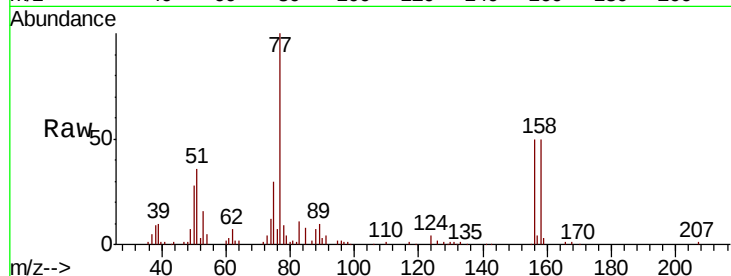
Tot Ion:156 Resp: 42069

Ion Ratio Lower Upper

156 100

77 233.1 112.3 337.0

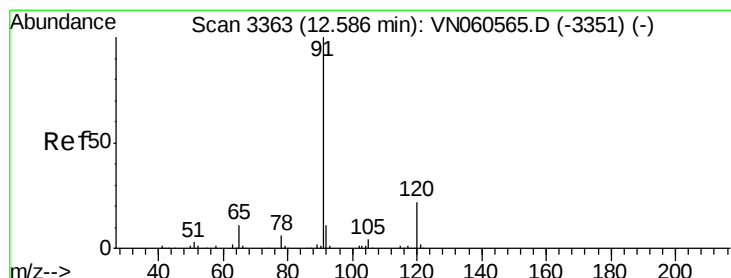
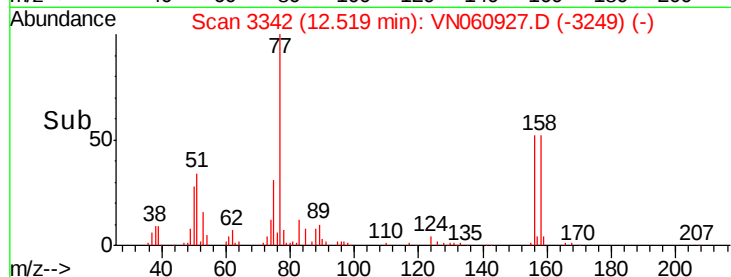
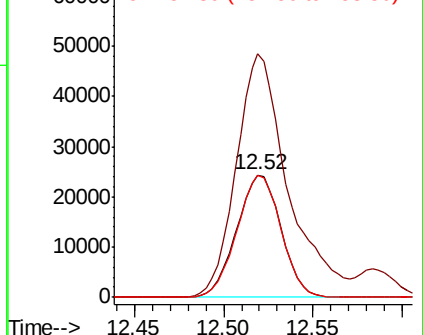
158 99.2 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.126 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060927.D

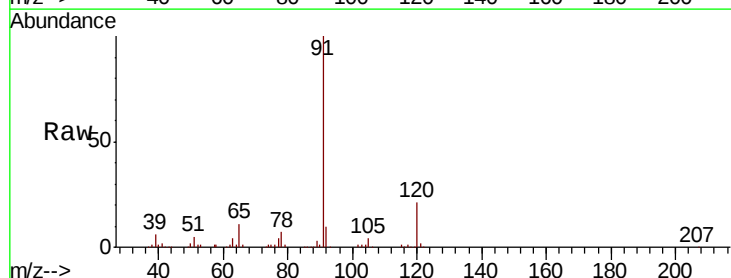
Acq: 14 Apr 2020 12:52

Tgt Ion: 91 Resp: 215744

Ion Ratio Lower Upper

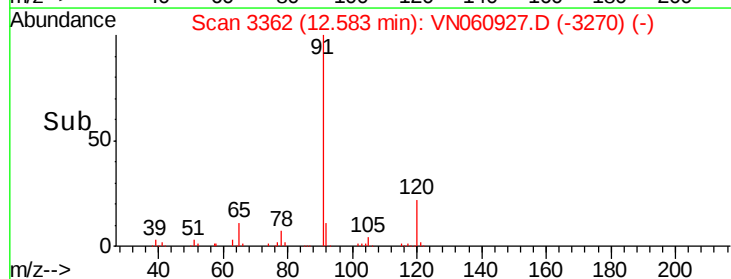
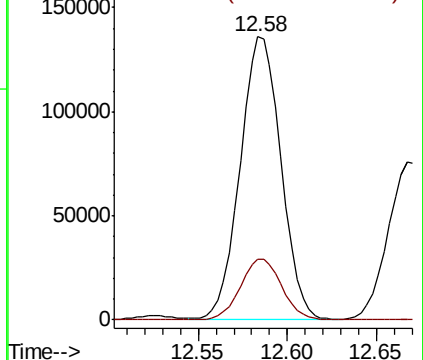
91 100

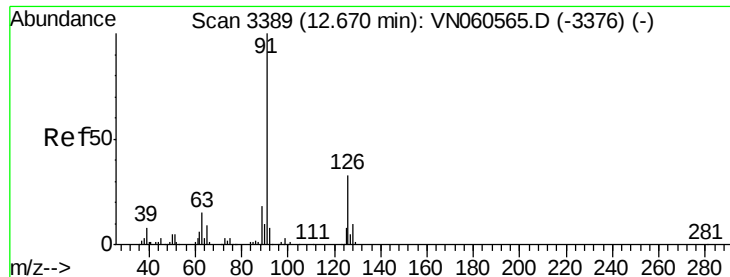
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.623 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

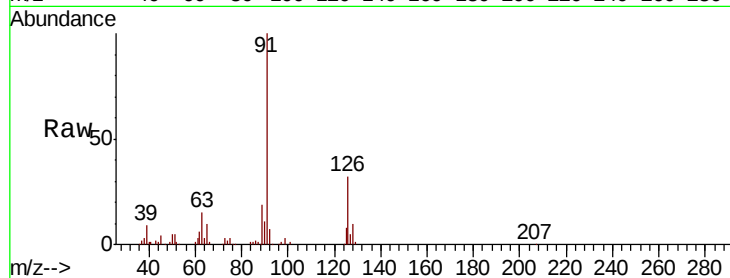
VN0414WBSD01

Tot Ion: 91 Resp: 126216

Ion Ratio Lower Upper

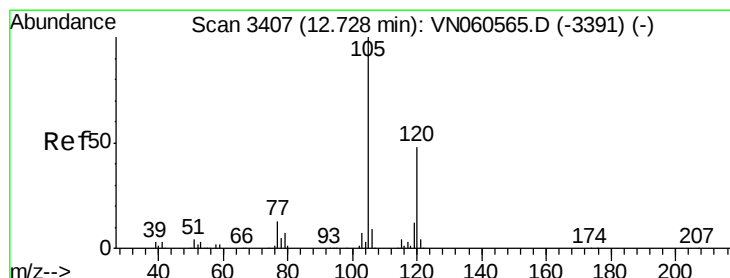
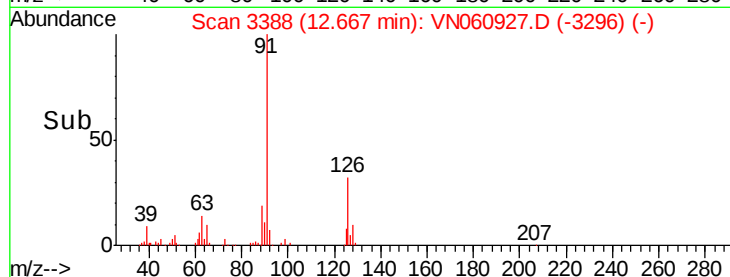
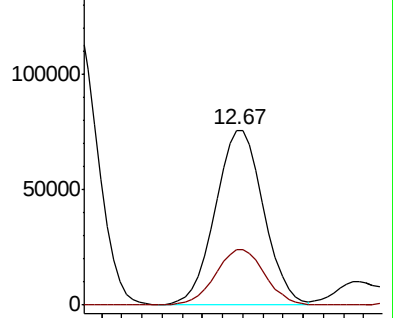
91 100

126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060927.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060927.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 24.050 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060927.D

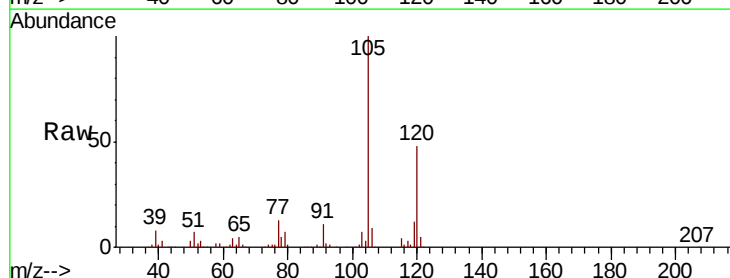
Acq: 14 Apr 2020 12:52

Tgt Ion:105 Resp: 154475

Ion Ratio Lower Upper

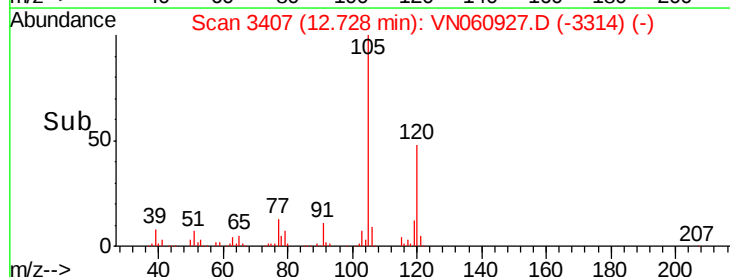
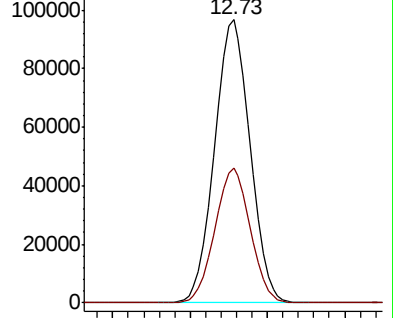
105 100

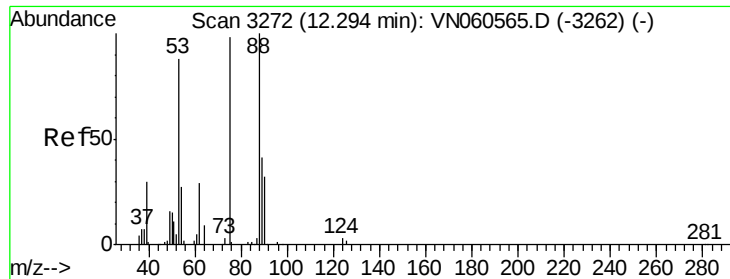
120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060927.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060927.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 23.129 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBSD01

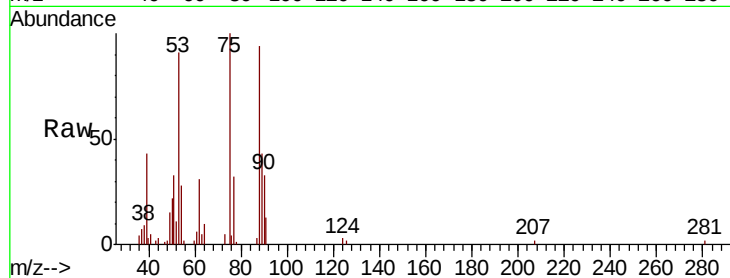
Tot Ion: 75 Resp: 19599

Ion Ratio Lower Upper

75 100

53 92.8 73.0 109.4

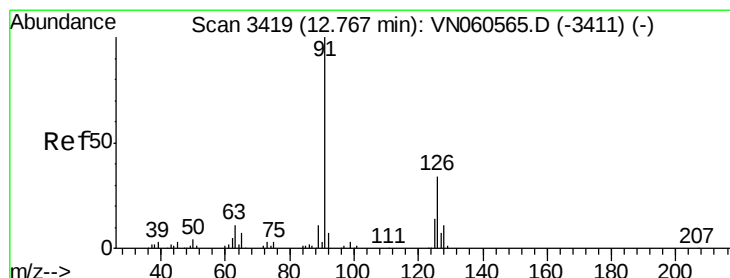
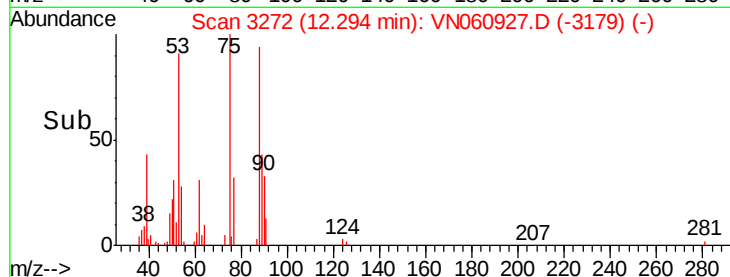
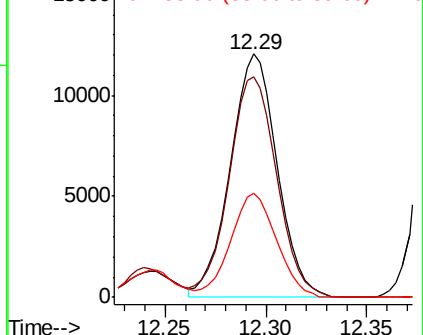
89 41.8 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 24.228 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060927.D

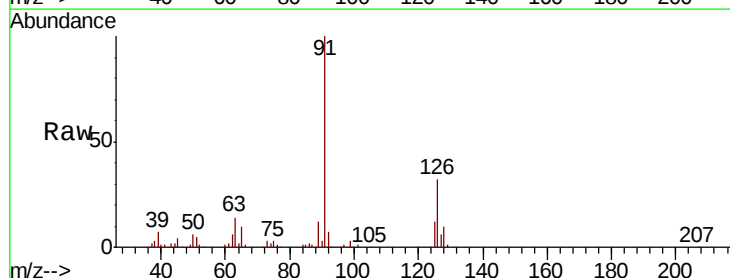
Acq: 14 Apr 2020 12:52

Tgt Ion: 91 Resp: 131845

Ion Ratio Lower Upper

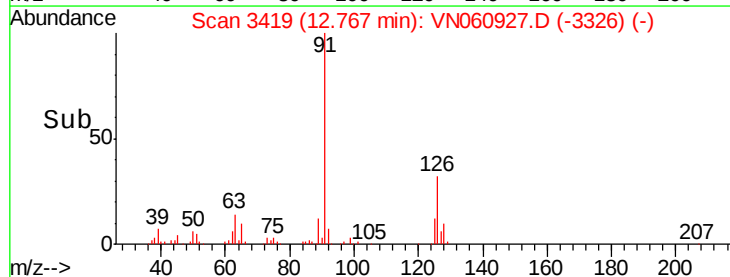
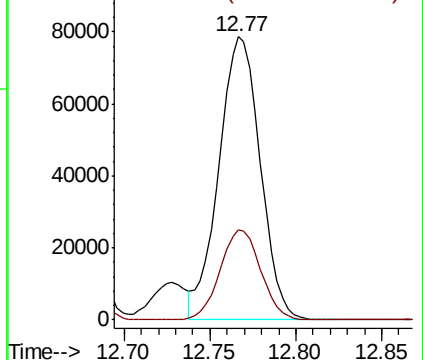
91 100

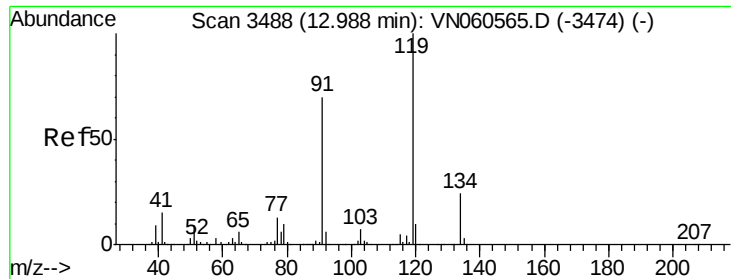
126 31.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

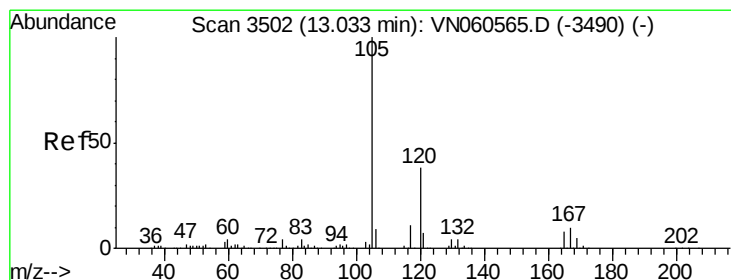
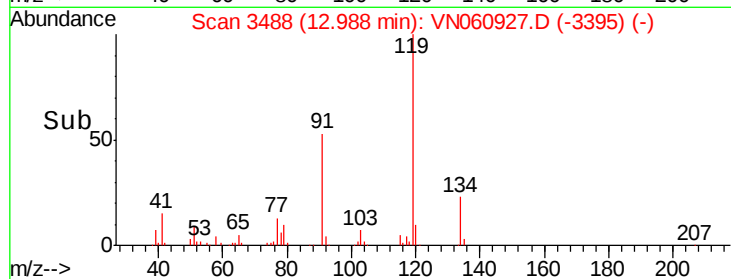
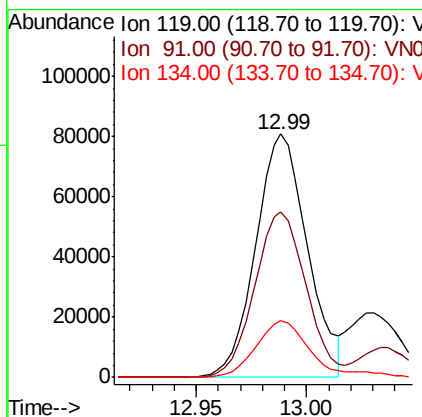
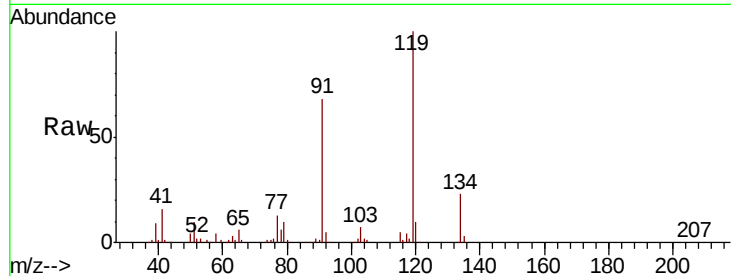




#83
tert-Butylbenzene
Concen: 24.690 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

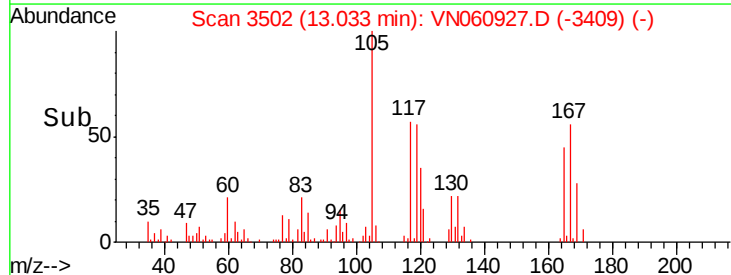
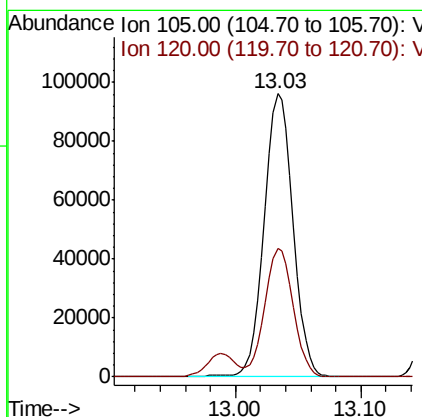
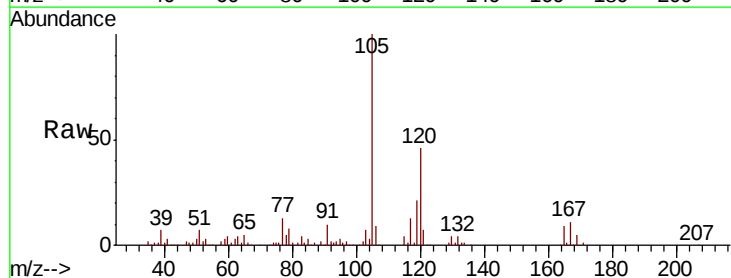
Instrument :
MSVOA_N
ClientSampled :
VN0414WBSD01

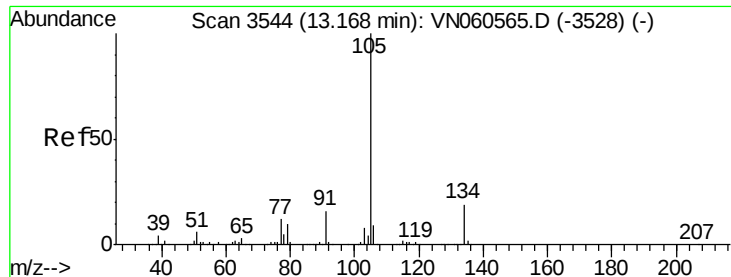
Tot Ion:119 Resp: 131463
Ion Ratio Lower Upper
119 100
91 67.7 34.0 101.8
134 24.8 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 24.241 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion:105 Resp: 154042
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 24.853 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

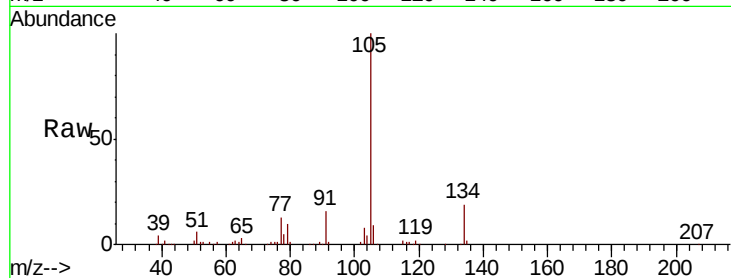
VN0414WBSD01

Tot Ion:105 Resp: 177952

Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

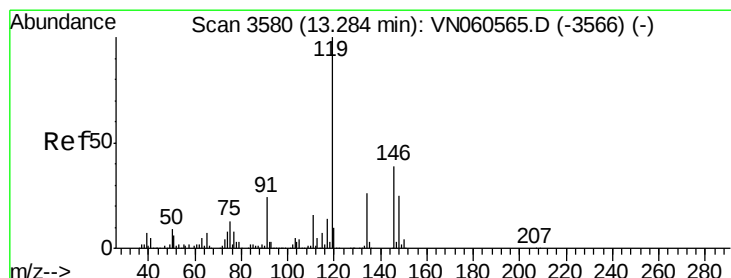
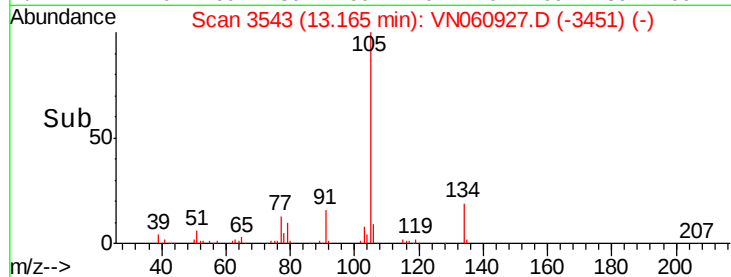
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 24.779 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060927.D

Acq: 14 Apr 2020 12:52

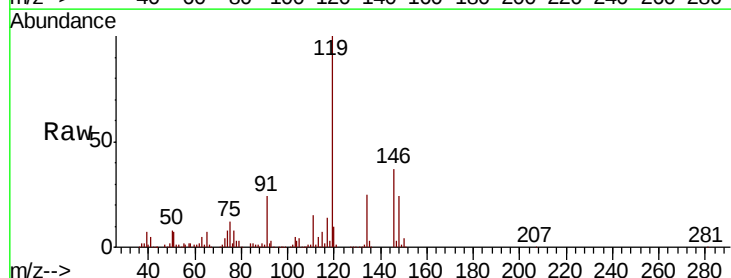
Tgt Ion:119 Resp: 159539

Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 24.0 12.0 36.0



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

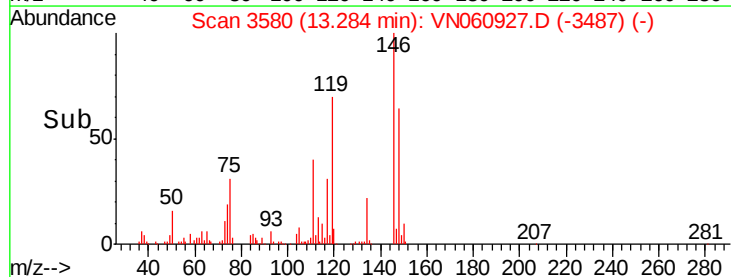
100000

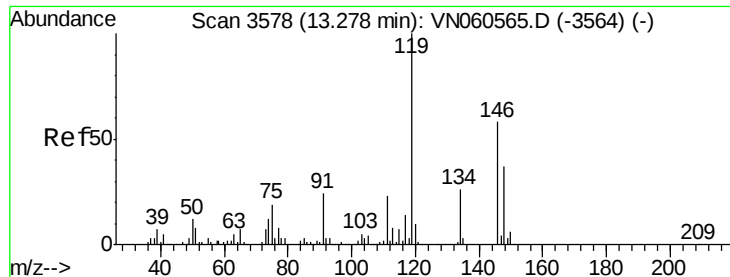
50000

0

13.20 13.25 13.30 13.35

Time-->

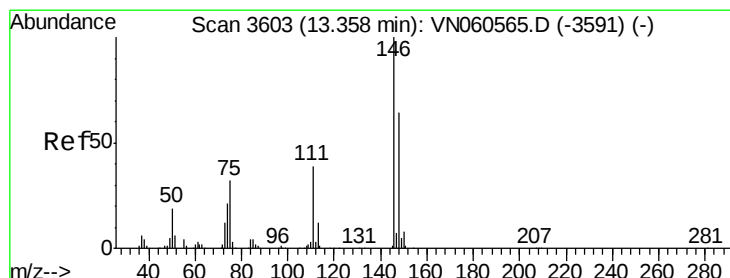
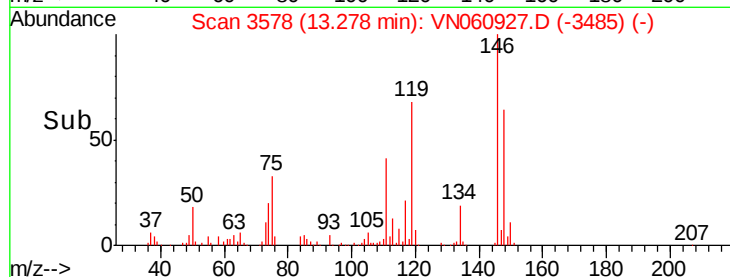
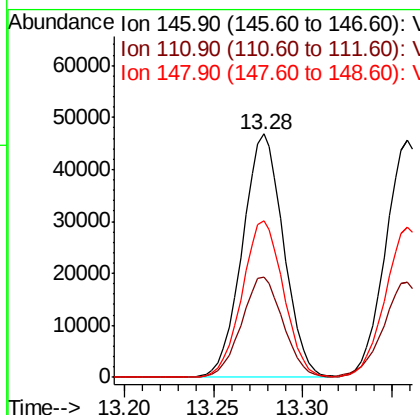
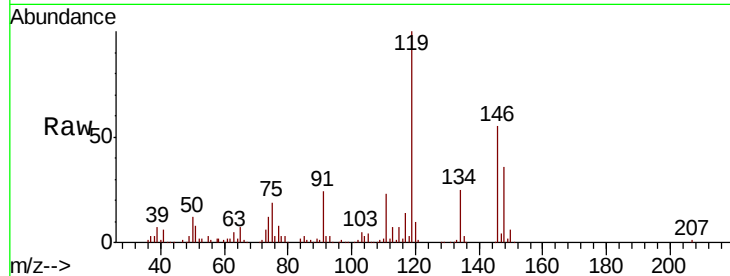




#87
 1,3-Dichlorobenzene
 Concen: 23.517 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

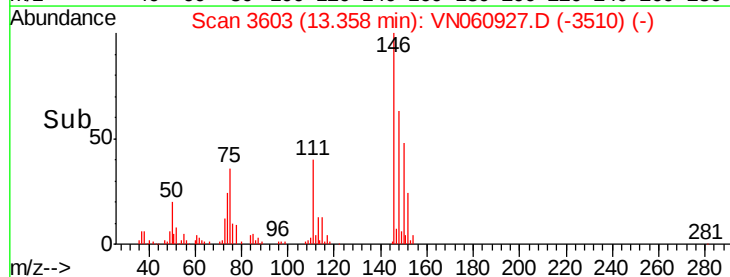
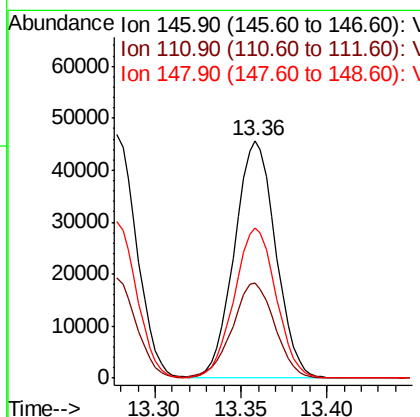
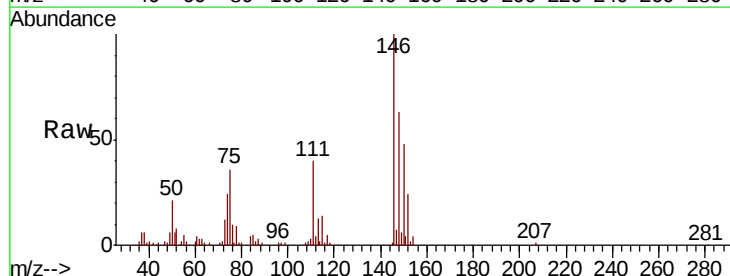
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

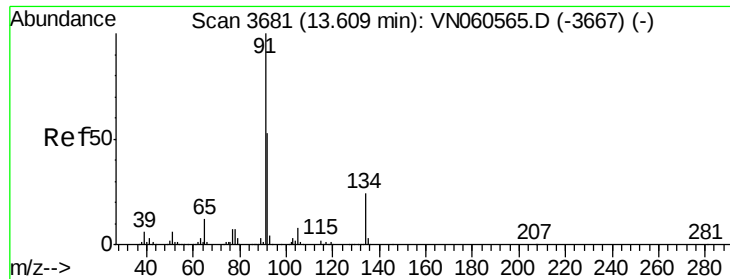
Tot Ion:146 Resp: 75647
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 60.8
 148 64.4 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 23.543 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion:146 Resp: 76088
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.6 58.7
 148 64.1 32.1 96.3

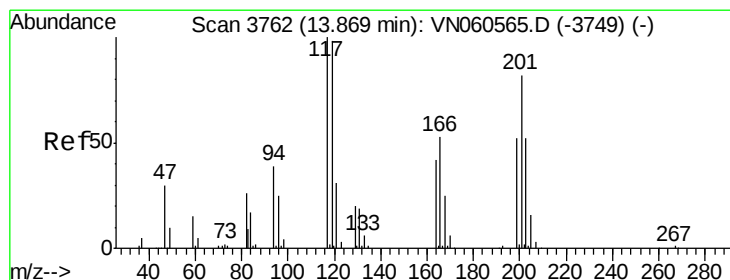
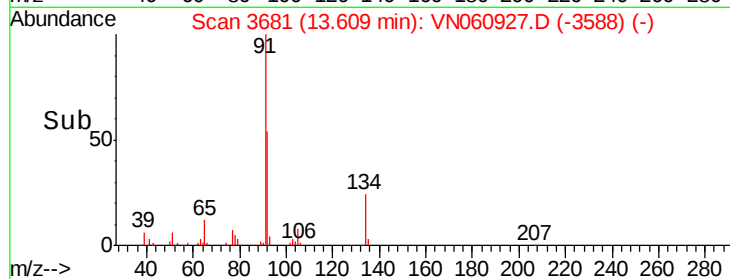
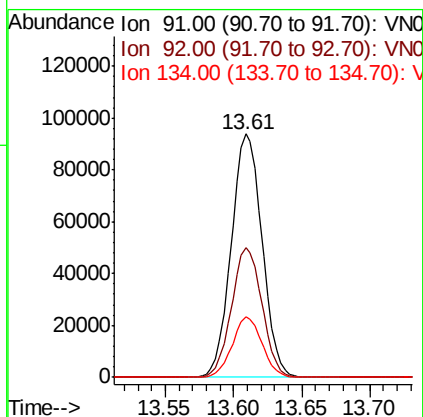
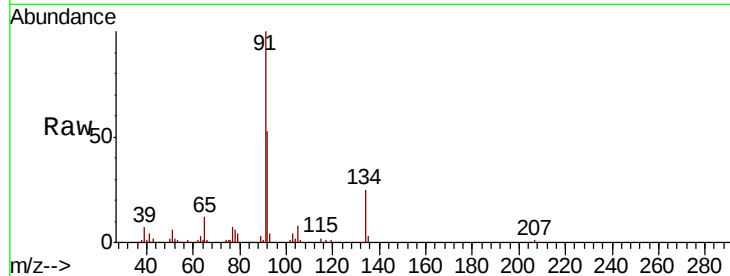




#89
n-Butylbenzene
Concen: 25.326 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

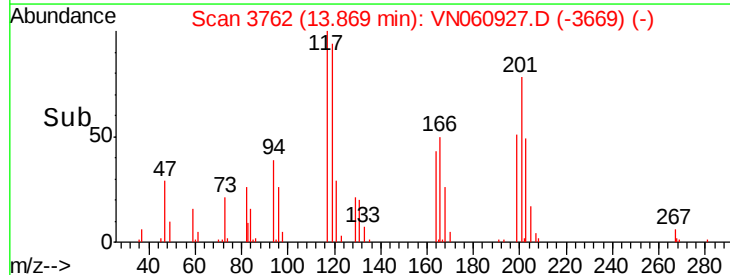
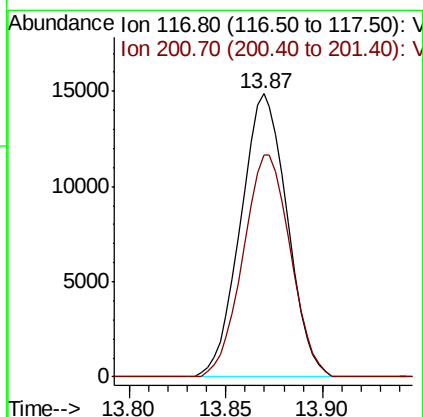
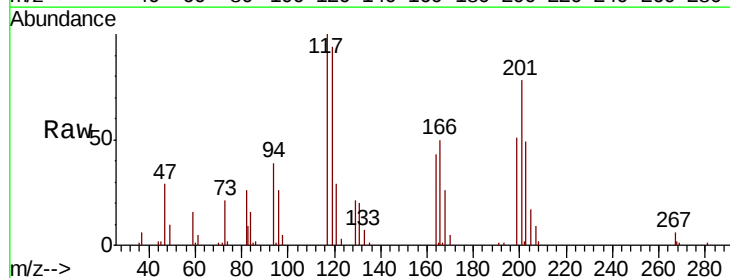
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

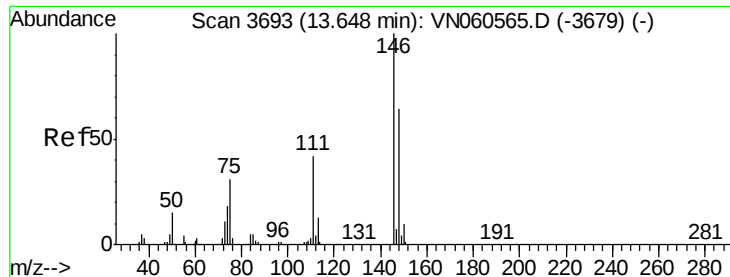
Tot Ion: 91 Resp: 147221
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 23.9 12.3 36.9



#90
Hexachloroethane
Concen: 26.633 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 117 Resp: 24926
Ion Ratio Lower Upper
117 100
201 79.7 40.8 122.5

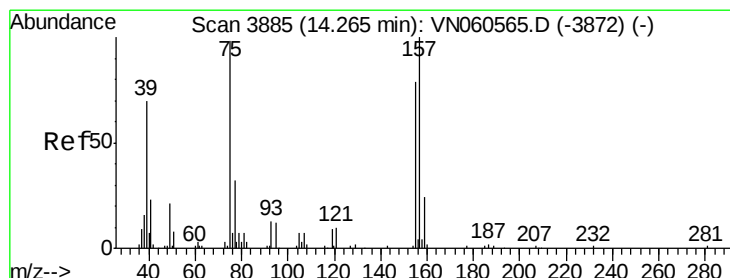
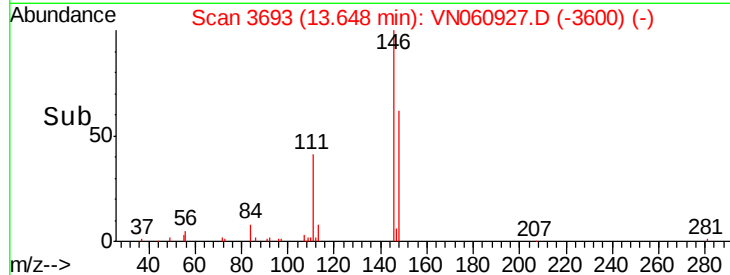
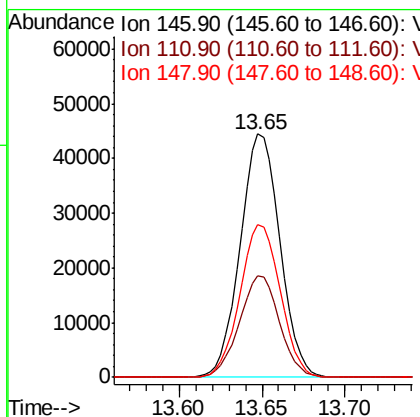
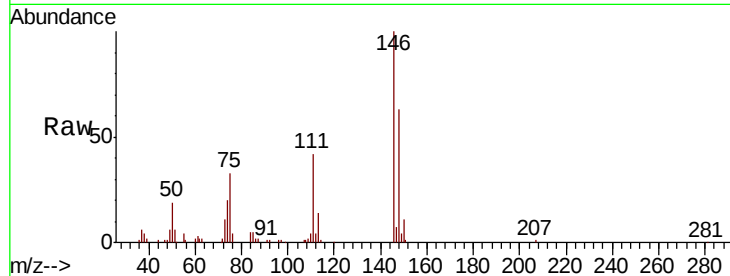




#91
 1,2-Dichlorobenzene
 Concen: 24.139 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

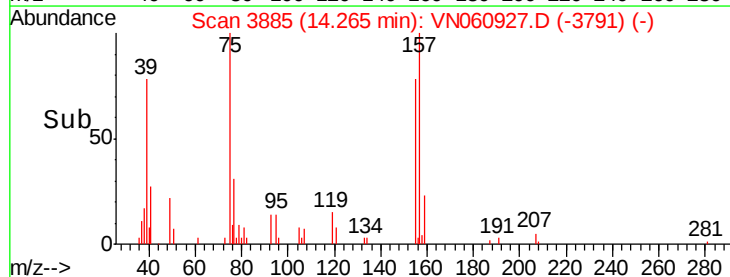
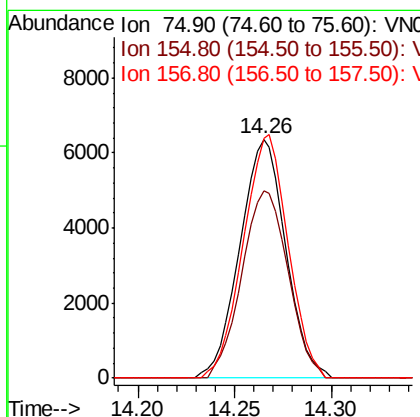
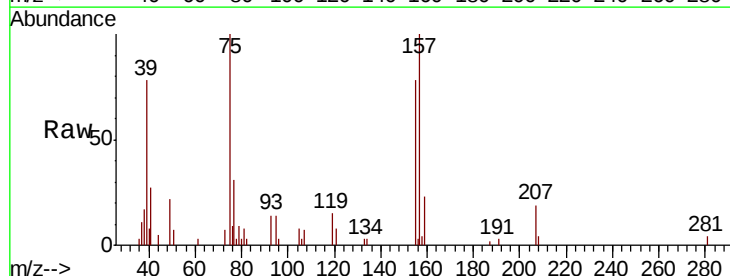
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBSD01

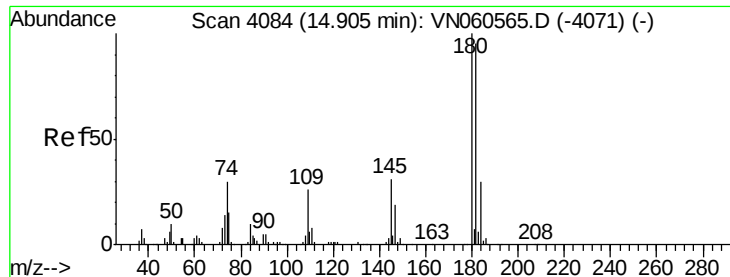
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.801 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.7	122.1
157	99.5	51.5	154.7

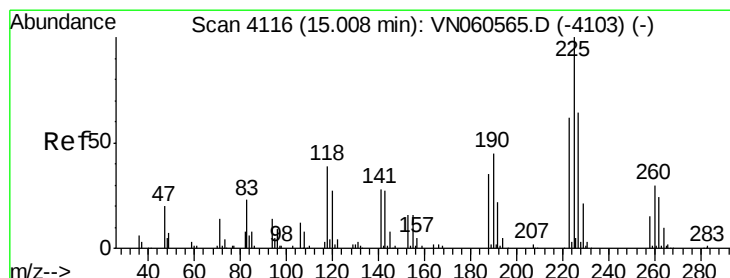
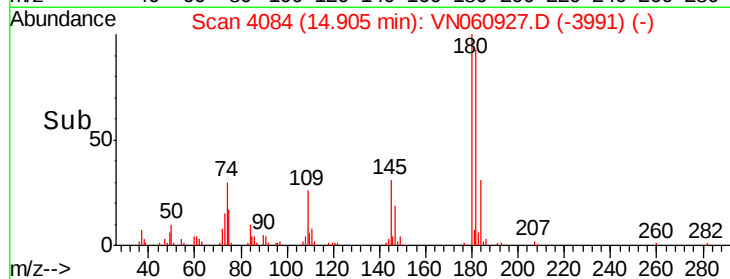
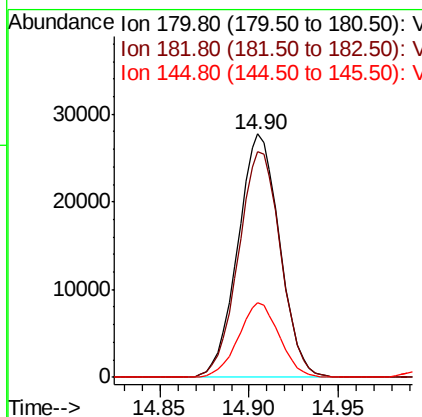
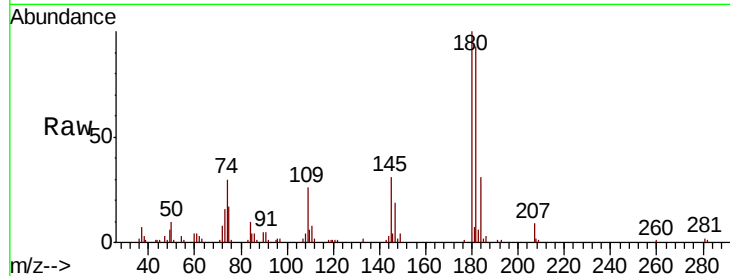




#93
 1,2,4-Trichlorobenzene
 Concen: 23.923 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

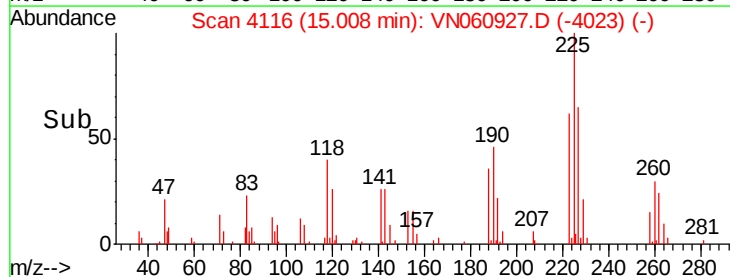
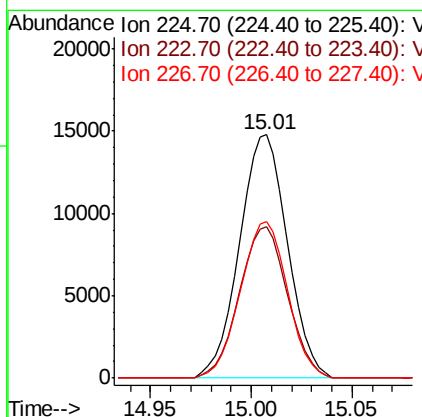
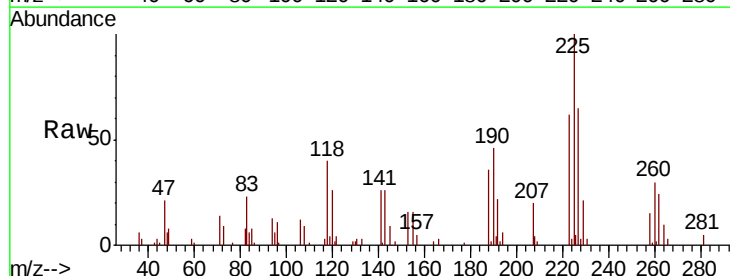
Instrument :
 MSVOA_N
 ClientSampled :
 VN0414WBSD01

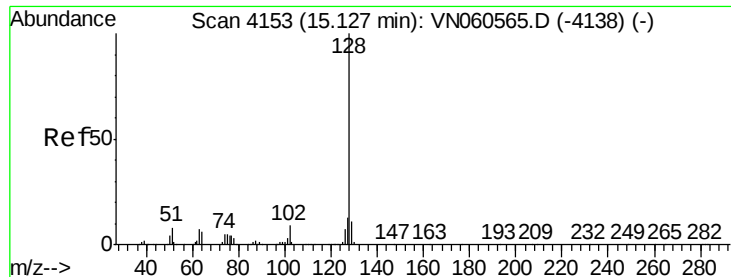
Tot Ion:180 Resp: 45187
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.8
 145 29.9 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 26.578 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060927.D
 Acq: 14 Apr 2020 12:52

Tgt Ion:225 Resp: 24610
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 95.0
 227 63.3 32.3 96.8

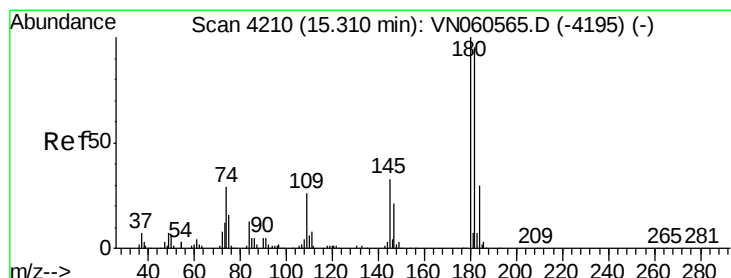
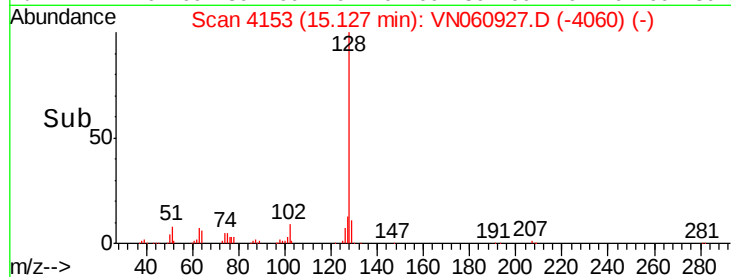
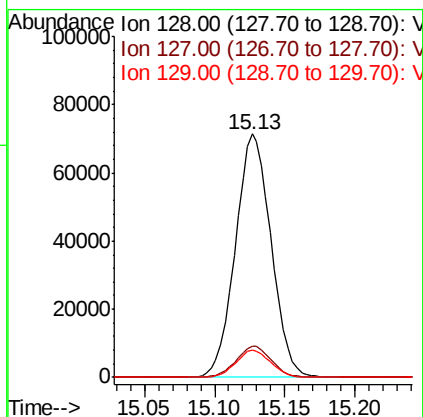
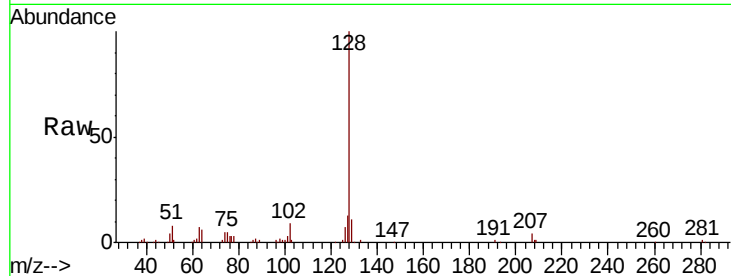




#95
Naphthalene
Concen: 22.244 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.540 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060927.D
Acq: 14 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.5	142.6
145	32.7	16.3	48.8

