

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060409.D
 Acq On : 10 Mar 2020 12:22
 Operator : JC/MD
 Sample : VN0310WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Quant Time: Mar 11 06:39:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	320053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140404	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	122855	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.56	113	88613	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
50) Toluene-d8	10.08	98	347961	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.40	95	131477	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	27144	15.172	ug/l 99
3) Chloromethane	2.04	50	51276	16.461	ug/l 98
4) Vinyl Chloride	2.16	62	42011	15.726	ug/l 97
5) Bromomethane	2.55	94	17142	14.222	ug/l 93
6) Chloroethane	2.69	64	23679	16.360	ug/l 97
7) Trichlorofluoromethane	3.00	101	56035	16.418	ug/l 99
8) Diethyl Ether	3.38	74	23699	18.390	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32088	16.612	ug/l 97
10) Methyl Iodide	3.92	142	26131	14.823	ug/l 99
11) Tert butyl alcohol	4.73	59	37738	101.511	ug/l 99
12) 1,1-Dichloroethene	3.72	96	32962	17.532	ug/l 96
13) Acrolein	3.58	56	30801	88.810	ug/l 99
14) Allyl chloride	4.29	41	62699	18.139	ug/l 98
15) Acrylonitrile	4.94	53	101512	103.595	ug/l 98
16) Acetone	3.78	43	82862	102.487	ug/l 99
17) Carbon Disulfide	4.03	76	78736	15.338	ug/l 99
18) Methyl Acetate	4.29	43	52710	19.536	ug/l 98
19) Methyl tert-butyl Ether	5.00	73	130325	19.147	ug/l 98
20) Methylene Chloride	4.52	84	39521	17.799	ug/l 99
21) trans-1,2-Dichloroethene	5.00	96	35606	17.399	ug/l 98
22) Diisopropyl ether	5.91	45	136372	19.477	ug/l 97
23) Vinyl Acetate	5.86	43	543262	97.642	ug/l 99
24) 1,1-Dichloroethane	5.82	63	73150	18.456	ug/l 98
25) 2-Butanone	6.80	43	135382	103.667	ug/l 100
26) 2,2-Dichloropropane	6.79	77	64980	18.009	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	44214	17.173	ug/l 97
28) Bromochloromethane	7.17	49	29951	18.405	ug/l 96
29) Tetrahydrofuran	7.18	42	93280	102.718	ug/l 98
30) Chloroform	7.35	83	73399	18.603	ug/l 98
31) Cyclohexane	7.63	56	62622	17.647	ug/l 96
32) 1,1,1-Trichloroethane	7.54	97	62590	17.905	ug/l 99
36) 1,1-Dichloropropene	7.77	75	52224	17.121	ug/l 99
37) Ethyl Acetate	6.90	43	57820	20.019	ug/l 99
38) Carbon Tetrachloride	7.75	117	51360	17.294	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57775	16.065	ug/l	96
40) Benzene	8.02	78	160787	18.111	ug/l	99
41) Methacrylonitrile	7.14	41	22967	17.222	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60933	19.020	ug/l	100
43) Isopropyl Acetate	8.14	43	100379	19.852	ug/l	100
44) Trichloroethene	8.82	130	43392	17.549	ug/l	99
45) 1,2-Dichloropropane	9.10	63	45864	19.759	ug/l	100
46) Dibromomethane	9.19	93	28064	18.633	ug/l	99
47) Bromodichloromethane	9.39	83	59012	19.265	ug/l	97
48) Methyl methacrylate	9.18	41	43231	18.749	ug/l	99
49) 1,4-Dioxane	9.18	88	13126	404.810	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	296854	103.547	ug/l	99
52) Toluene	10.14	92	98651	17.689	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68731	18.311	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72257	18.578	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43234	19.278	ug/l	99
56) Ethyl methacrylate	10.42	69	62449	19.382	ug/l	99
57) 1,3-Dichloropropane	10.70	76	70516	19.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	156922	93.123	ug/l	99
59) 2-Hexanone	10.74	43	211936	100.687	ug/l	100
60) Dibromochloromethane	10.89	129	43553	19.096	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41083	18.792	ug/l	100
64) Tetrachloroethene	10.62	164	45062	18.634	ug/l	99
65) Chlorobenzene	11.43	112	105526	17.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40477	18.491	ug/l	99
67) Ethyl Benzene	11.50	91	194512	18.042	ug/l	100
68) m/p-Xylenes	11.62	106	142254	34.972	ug/l	98
69) o-Xylene	11.94	106	69691	17.967	ug/l	99
70) Styrene	11.96	104	111562	17.494	ug/l	99
71) Bromoform	12.12	173	29738	18.850	ug/l #	99
73) Isopropylbenzene	12.25	105	188526	18.116	ug/l	100
74) N-amyl acetate	12.06	43	85396	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57005	20.152	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	80467	26.122	ug/l #	100
77) Bromobenzene	12.52	156	45875	17.984	ug/l	98
78) n-propylbenzene	12.59	91	217987	17.870	ug/l	99
79) 2-Chlorotoluene	12.67	91	129501	18.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	157070	17.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20646	18.501	ug/l #	84
82) 4-Chlorotoluene	12.77	91	134522	17.806	ug/l	98
83) tert-Butylbenzene	12.99	119	132572	17.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	157347	17.792	ug/l	100
85) sec-Butylbenzene	13.17	105	179617	17.681	ug/l	99
86) p-Isopropyltoluene	13.28	119	161186	17.143	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81621	18.501	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	81566	18.498	ug/l	99
89) n-Butylbenzene	13.61	91	144128	16.699	ug/l	100
90) Hexachloroethane	13.87	117	22560	16.577	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	81306	18.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12038	18.792	ug/l	97

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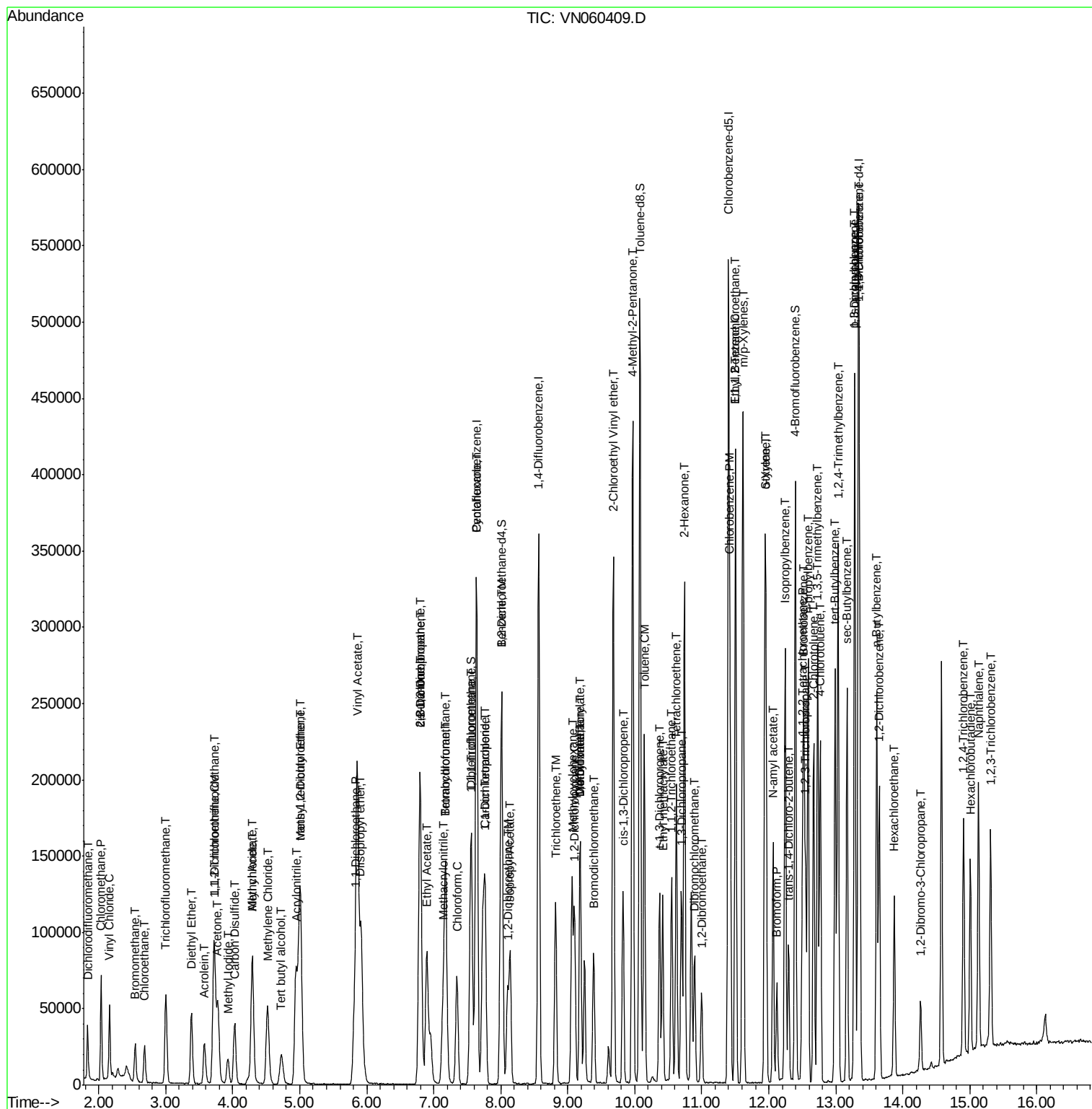
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48955	17.294	ug/l	99
94) Hexachlorobutadiene	15.01	225	24441	18.358	ug/l	99
95) Naphthalene	15.13	128	147243	17.424	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48446	17.995	ug/l	99

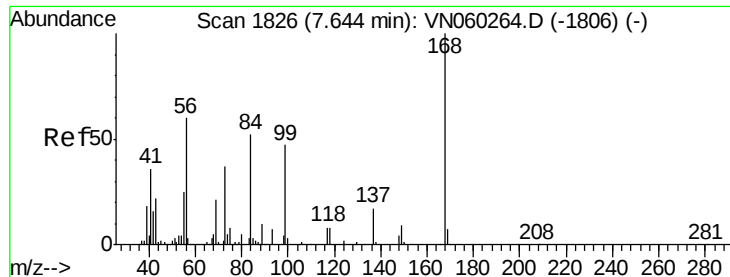
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

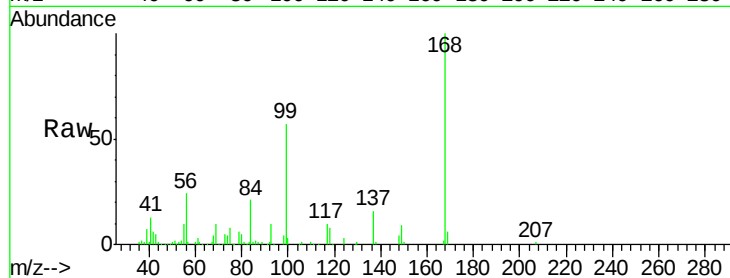
VN0310WBSD01

Tgt Ion:168 Resp: 195139

Ion Ratio Lower Upper

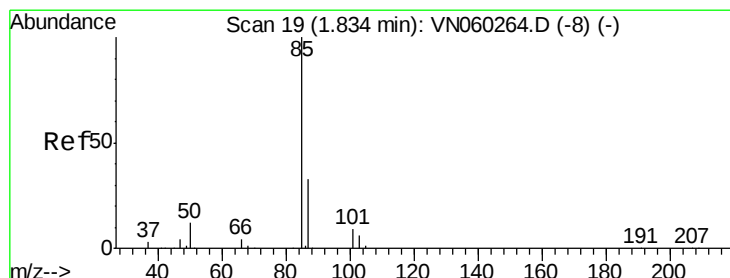
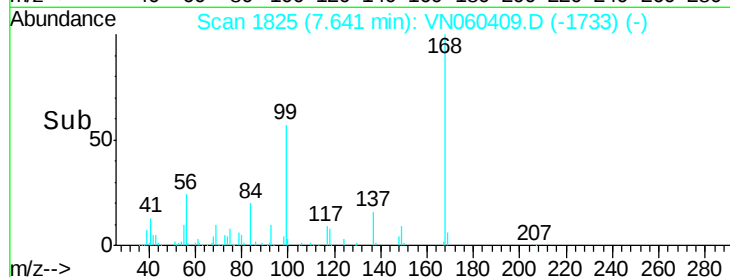
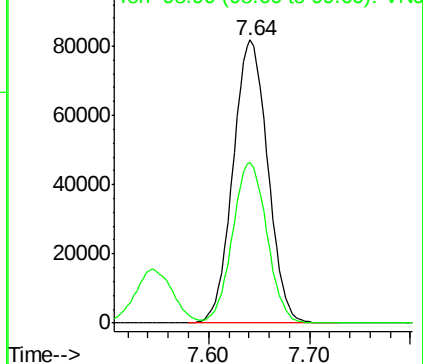
168 100

99 56.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 15.172 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060409.D

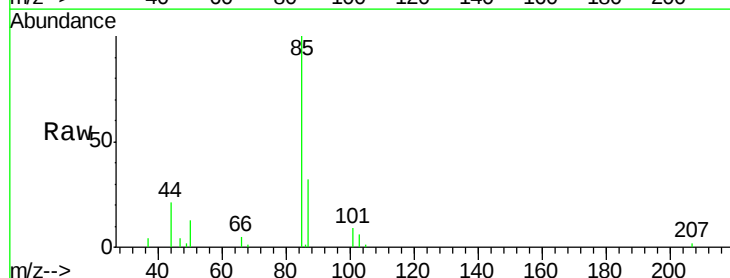
Acq: 10 Mar 2020 12:22

Tgt Ion: 85 Resp: 27144

Ion Ratio Lower Upper

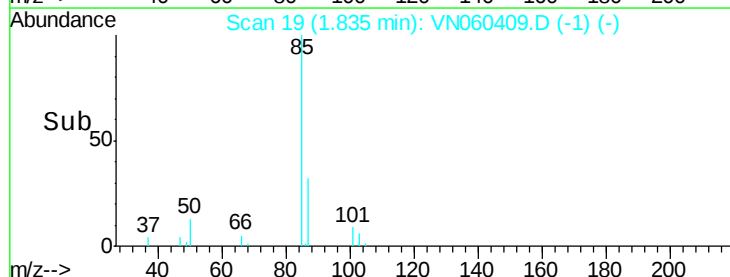
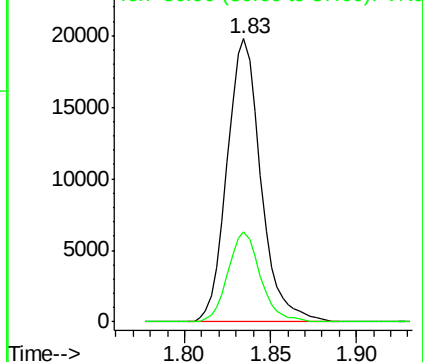
85 100

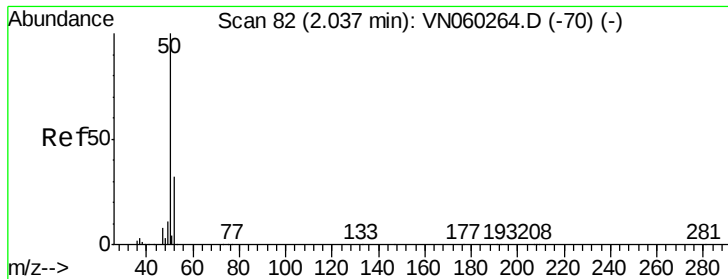
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.461 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

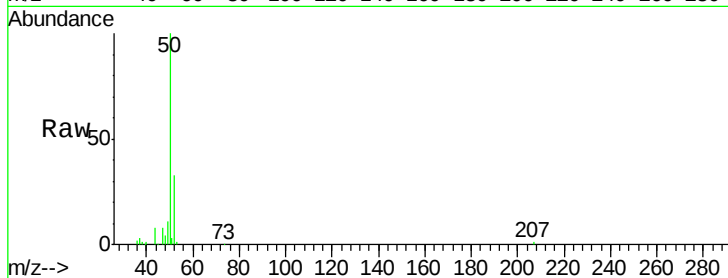
VN0310WBSD01

Tgt Ion: 50 Resp: 51276

Ion Ratio Lower Upper

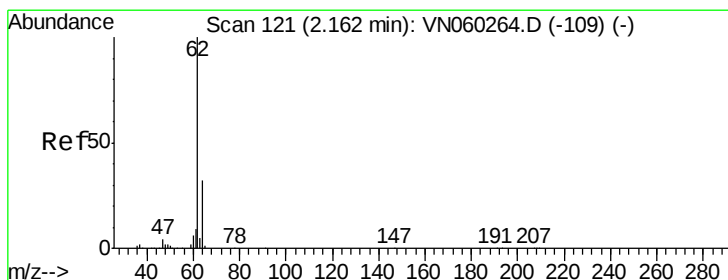
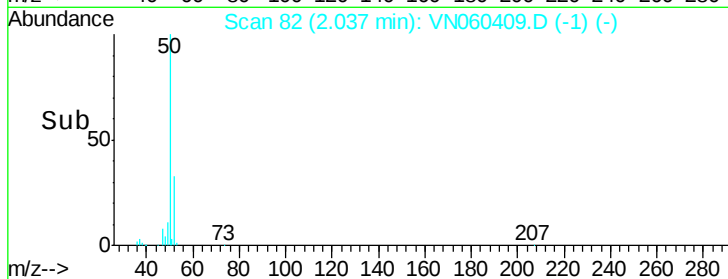
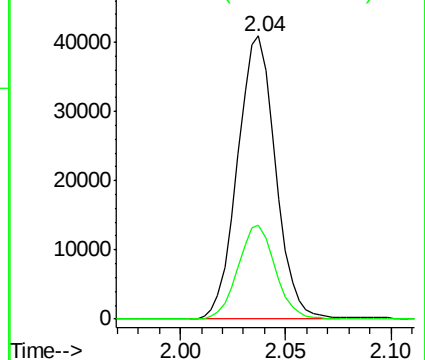
50 100

52 33.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.726 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060409.D

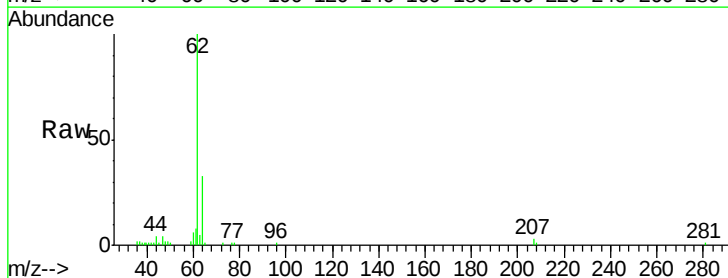
Acq: 10 Mar 2020 12:22

Tgt Ion: 62 Resp: 42011

Ion Ratio Lower Upper

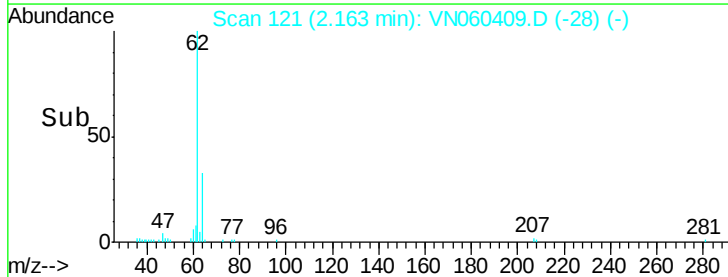
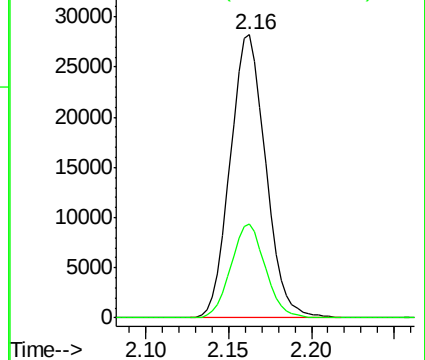
62 100

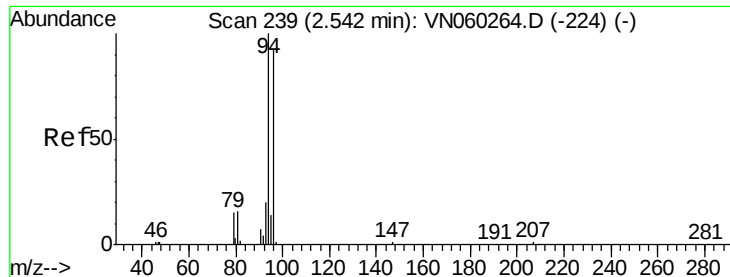
64 33.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.222 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

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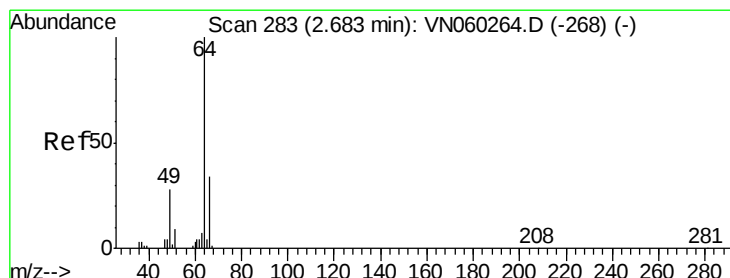
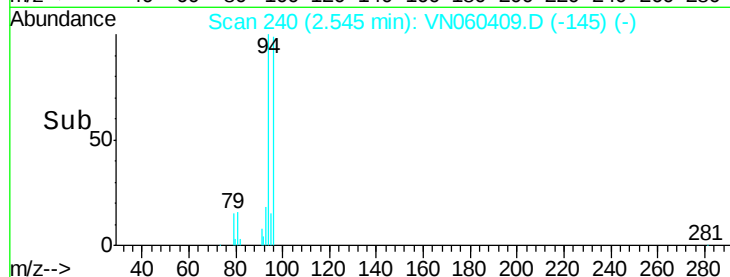
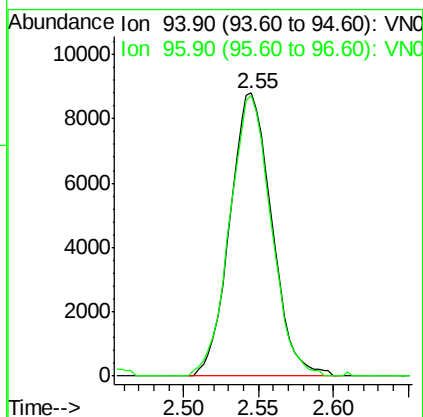
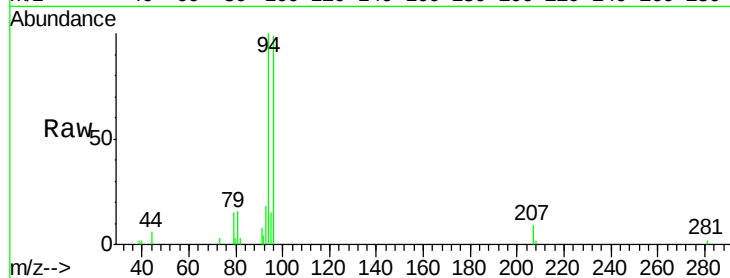
VN0310WBSD01

Tgt Ion: 94 Resp: 17142

Ion Ratio Lower Upper

94 100

96 99.3 74.3 111.5



#6

Chloroethane

Concen: 16.360 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060409.D

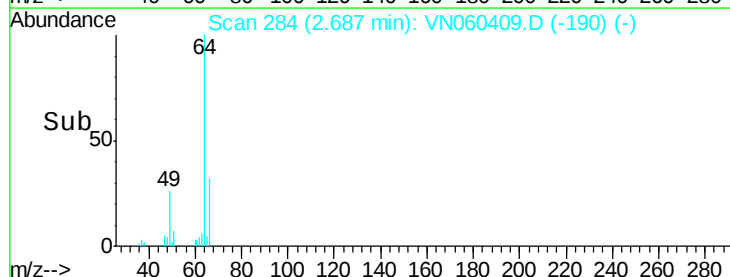
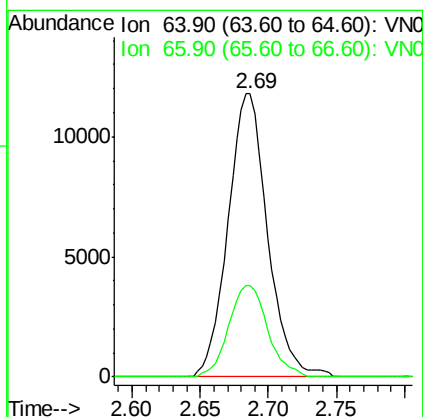
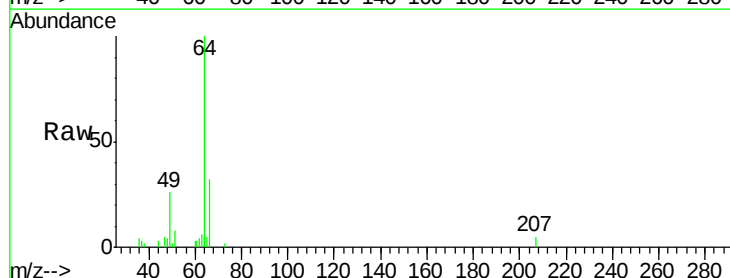
Acq: 10 Mar 2020 12:22

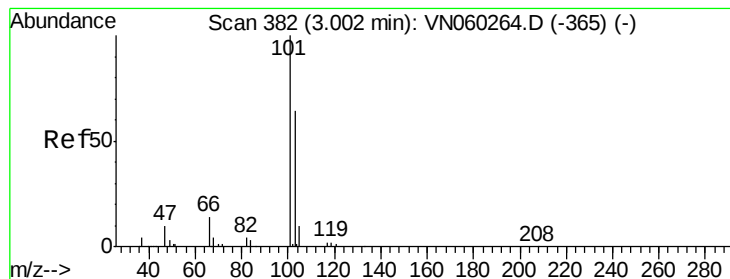
Tgt Ion: 64 Resp: 23679

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2



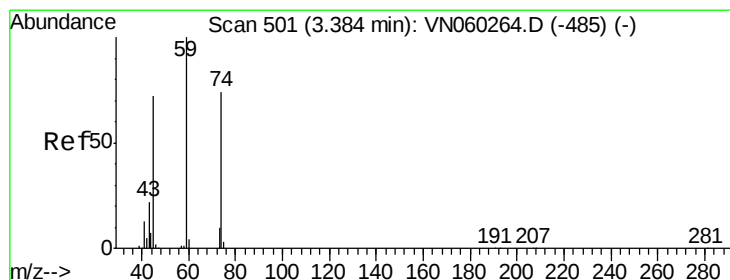
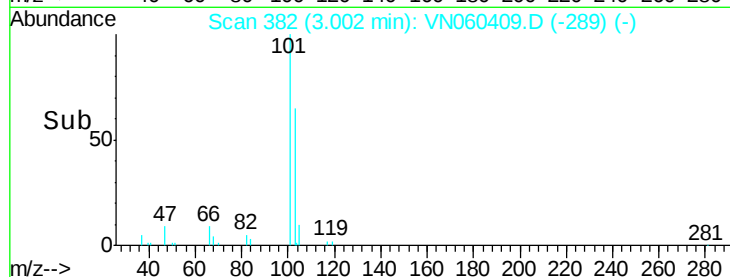
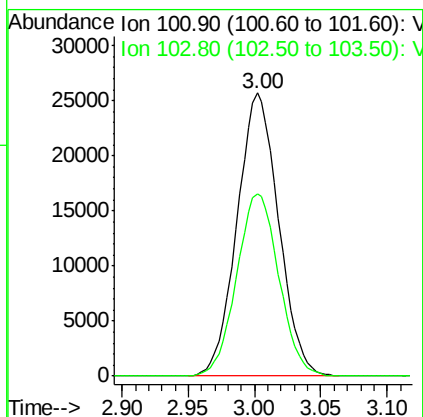
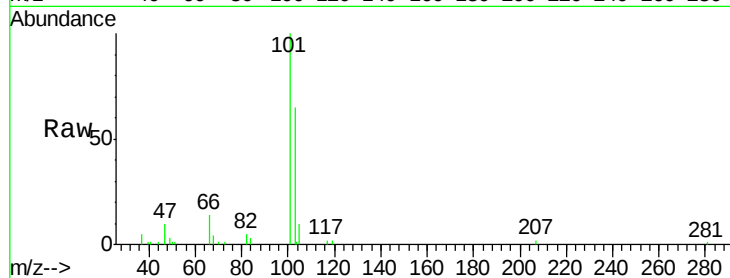


#7

Trichlorofluoromethane
 Concen: 16.418 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
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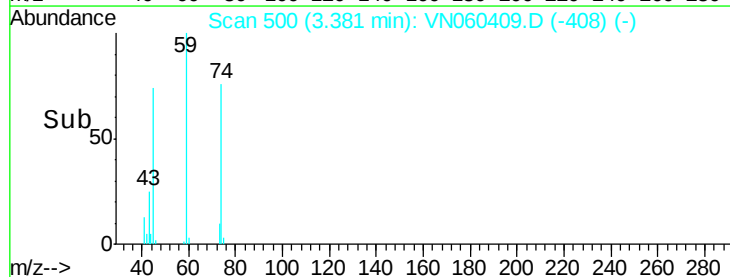
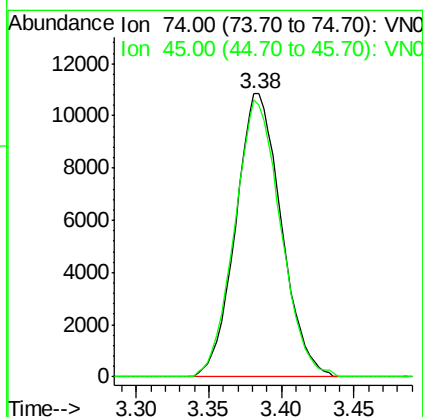
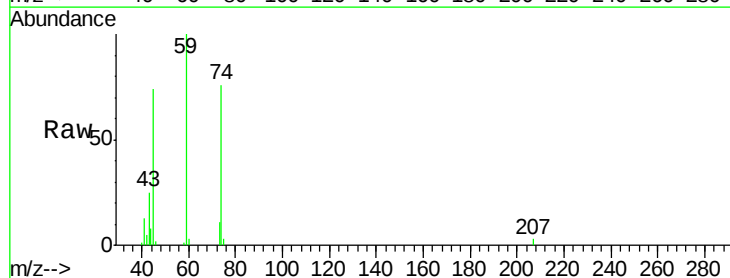
Tgt Ion: 101 Resp: 56035
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9

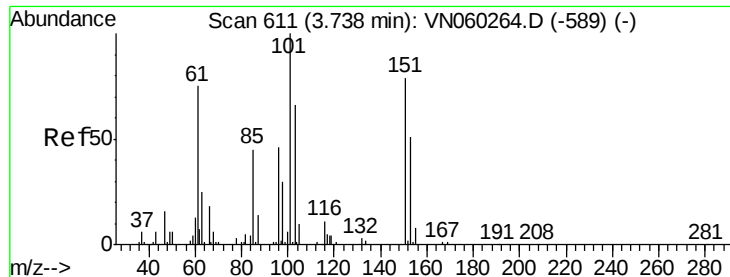


#8

Diethyl Ether
 Concen: 18.390 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 74 Resp: 23699
 Ion Ratio Lower Upper
 74 100
 45 98.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.612 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060409.D

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Instrument :

MSVOA_N

ClientSampled :

VN0310WBSD01

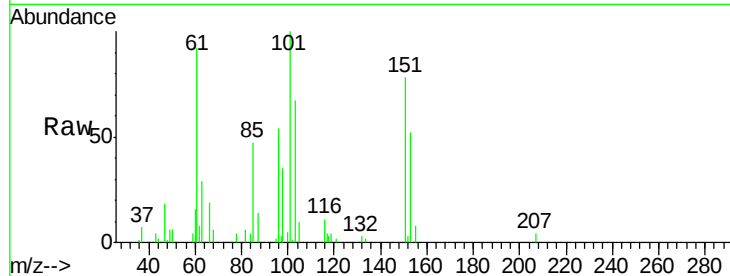
Tgt Ion:101 Resp: 32088

Ion Ratio Lower Upper

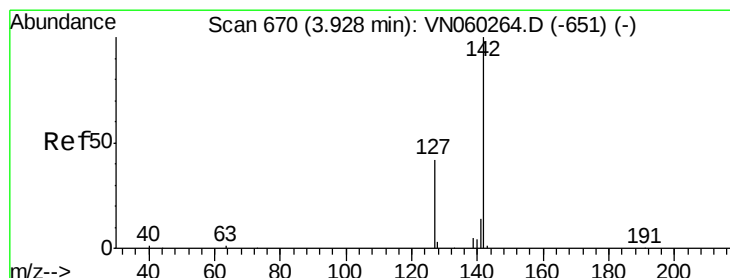
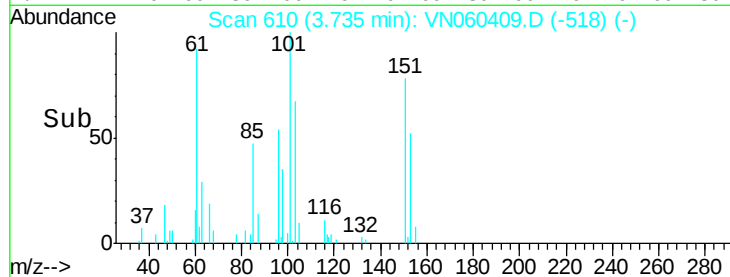
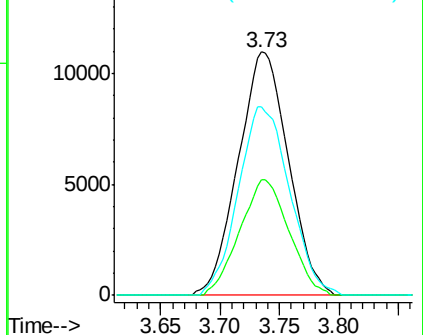
101 100

85 46.5 35.4 53.2

151 79.3 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.823 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

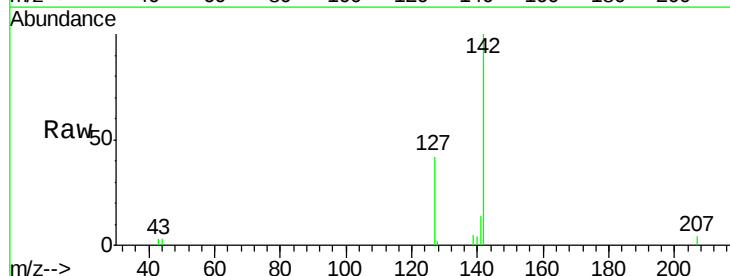
Tgt Ion:142 Resp: 26131

Ion Ratio Lower Upper

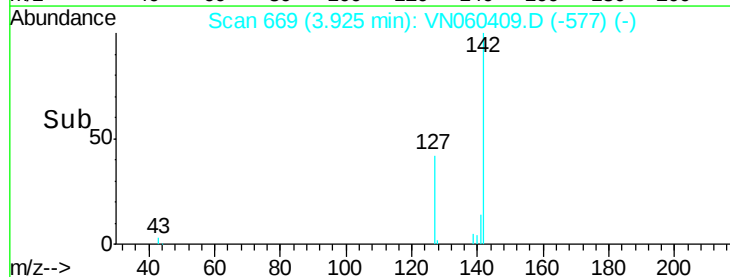
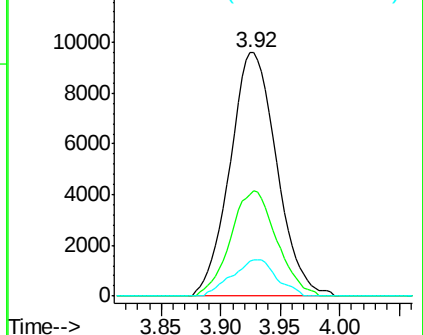
142 100

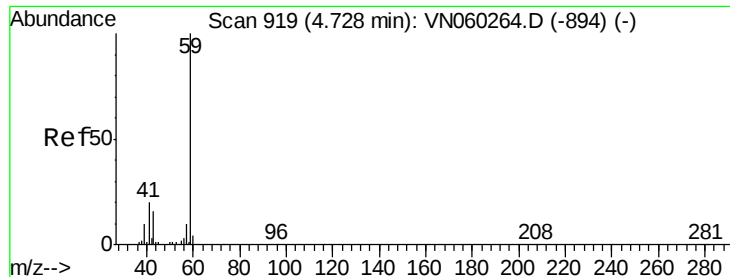
127 42.6 33.8 50.6

141 14.3 11.1 16.7



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

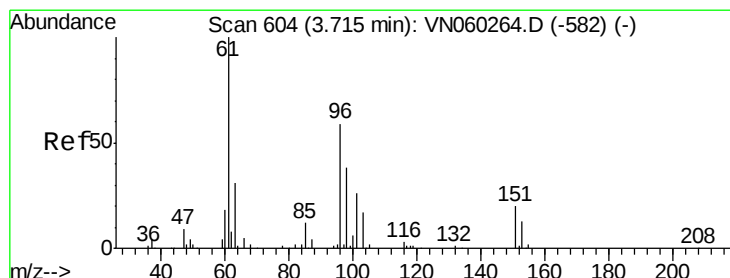
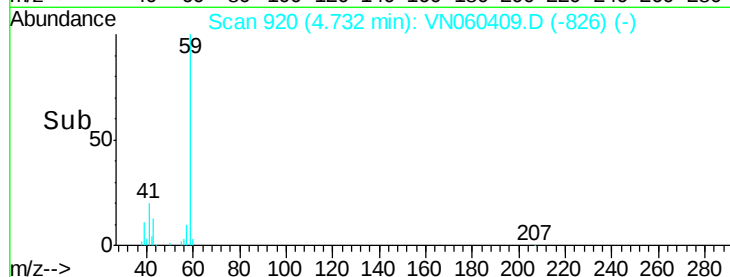
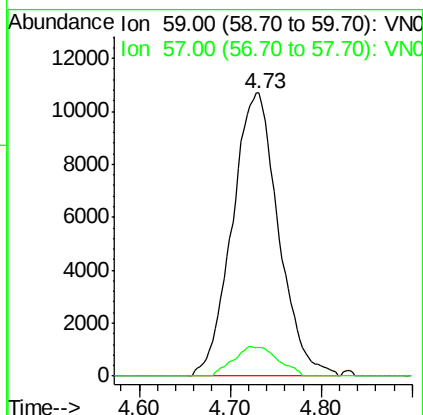
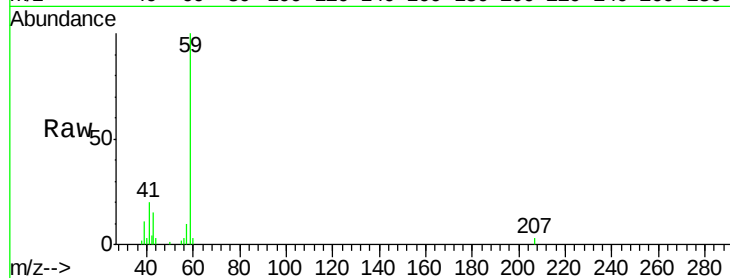




#11
Tert butyl alcohol
Concen: 101.511 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

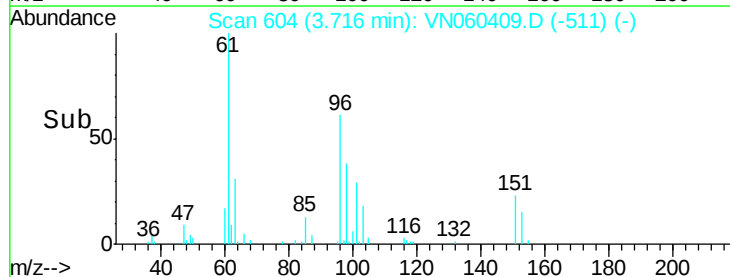
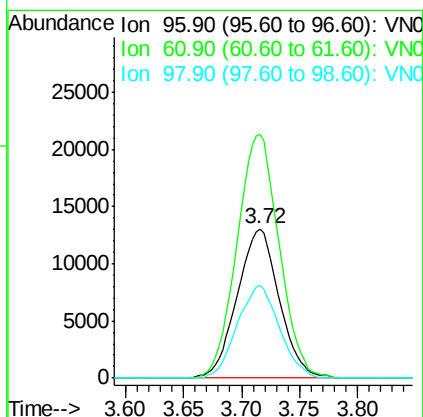
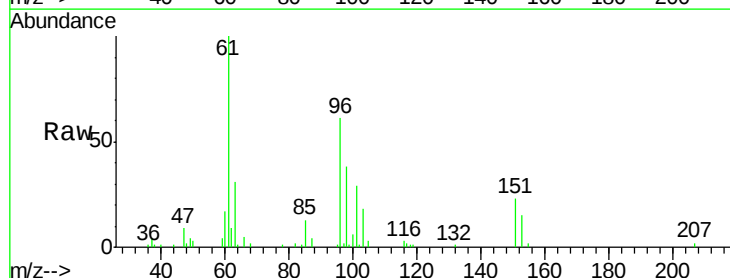
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

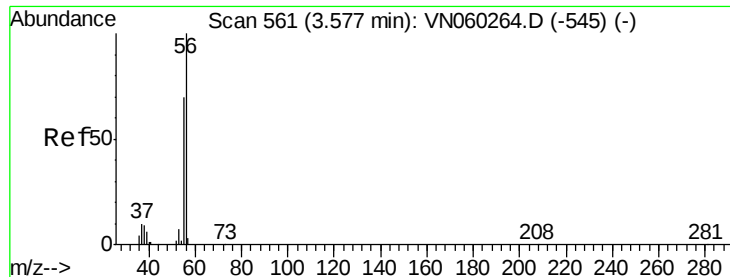
Tgt Ion: 59 Resp: 37738
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 17.532 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 96 Resp: 32962
Ion Ratio Lower Upper
96 100
61 162.9 135.4 203.0
98 61.9 51.6 77.4





#13

Acrolein

Concen: 88.810 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

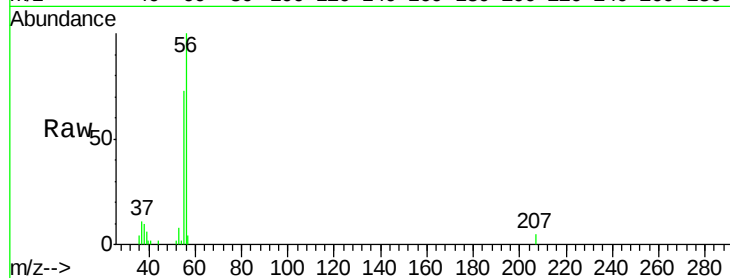
VN0310WBSD01

Tgt Ion: 56 Resp: 30801

Ion Ratio Lower Upper

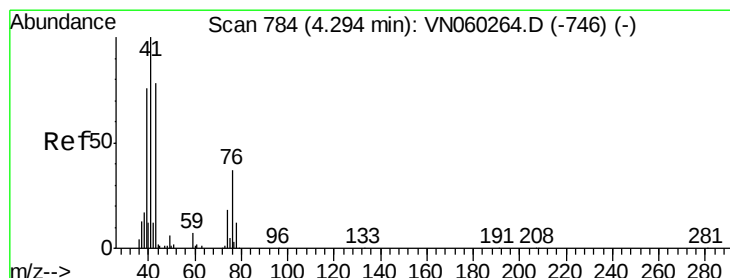
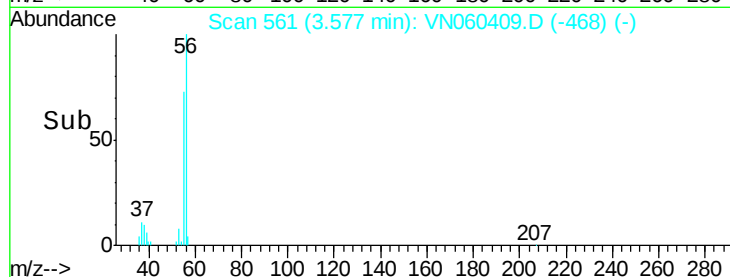
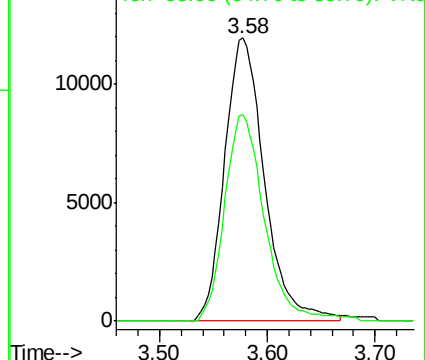
56 100

55 72.9 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.139 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

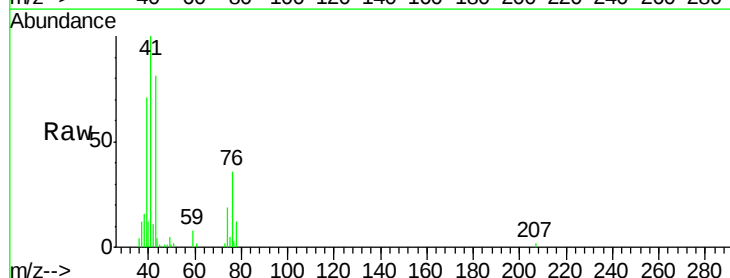
Tgt Ion: 41 Resp: 62699

Ion Ratio Lower Upper

41 100

39 68.2 55.4 83.2

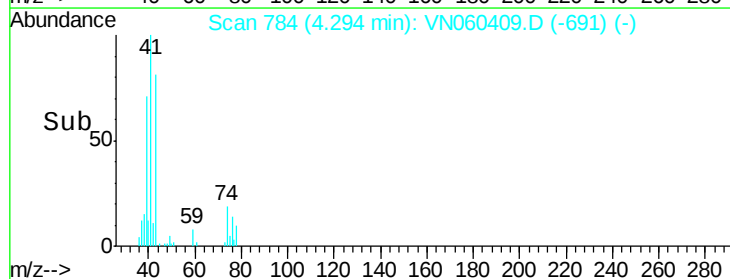
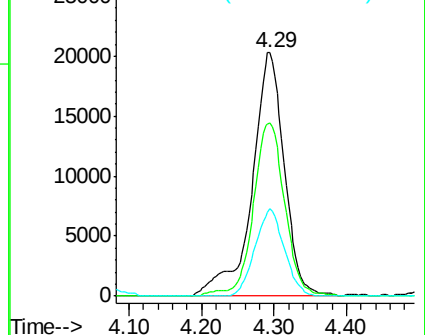
76 32.4 27.0 40.6

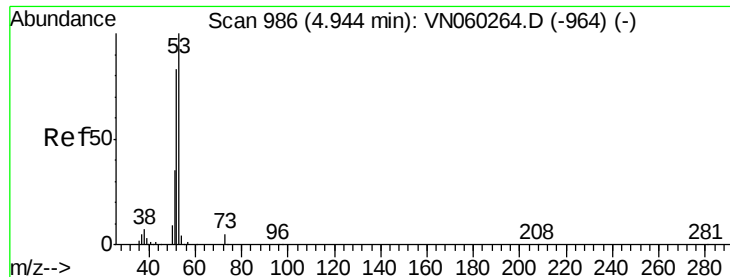


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.595 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

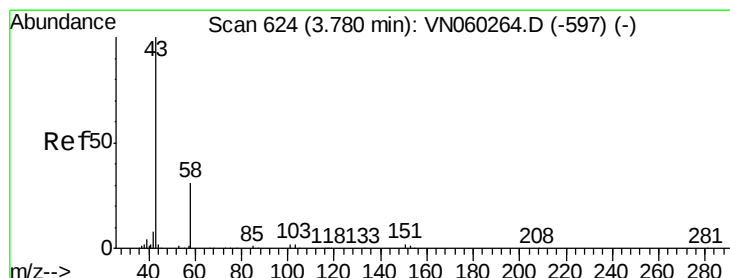
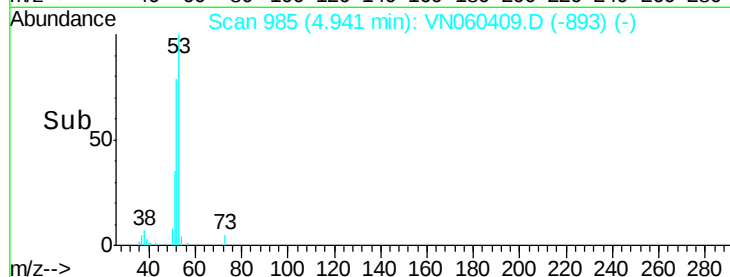
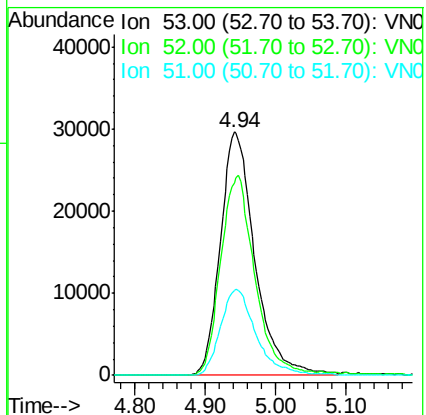
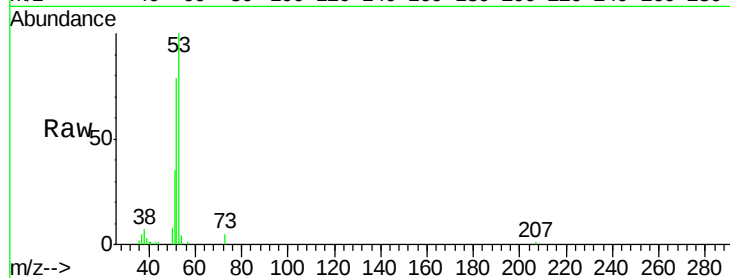
Tgt Ion: 53 Resp: 101512

Ion Ratio Lower Upper

53 100

52 80.8 66.8 100.2

51 36.0 29.0 43.6



#16

Acetone

Concen: 102.487 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060409.D

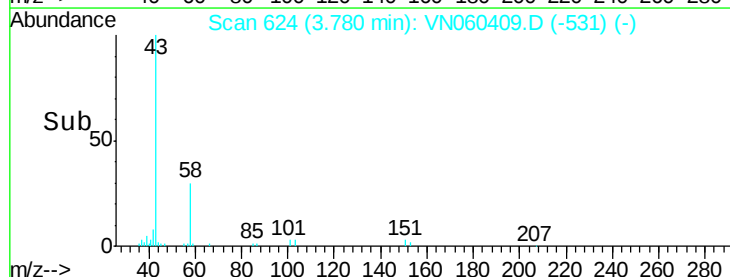
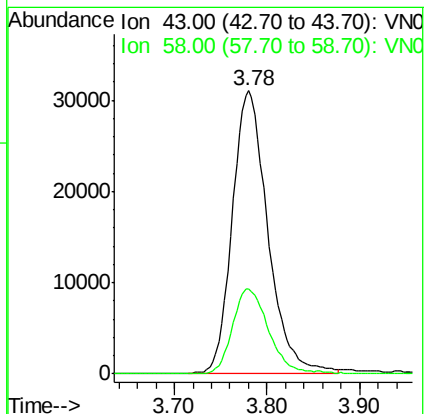
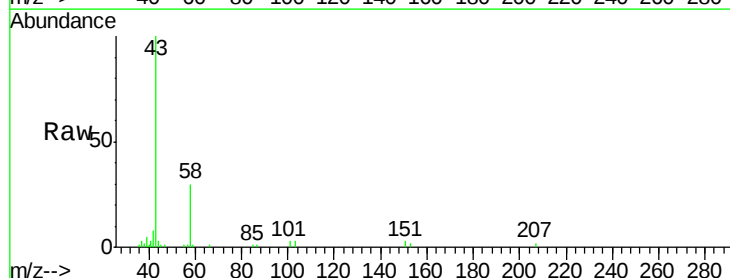
Acq: 10 Mar 2020 12:22

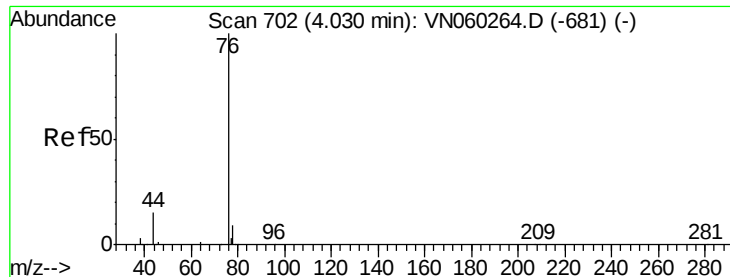
Tgt Ion: 43 Resp: 82862

Ion Ratio Lower Upper

43 100

58 30.2 24.6 36.8

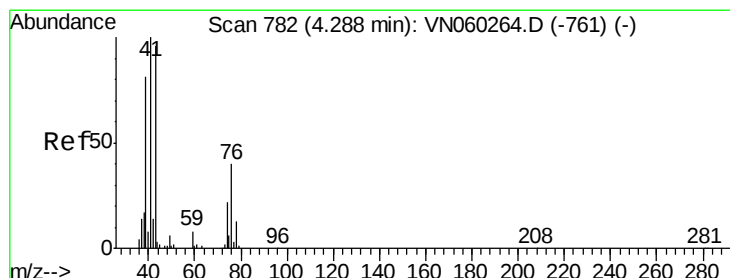
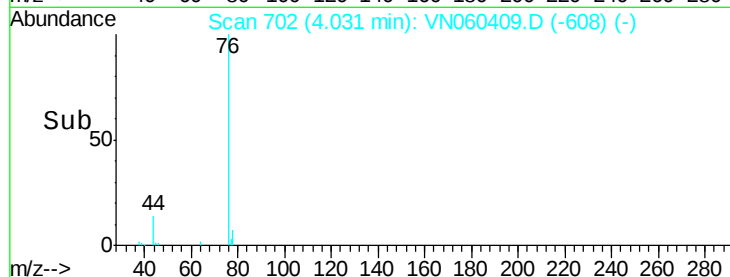
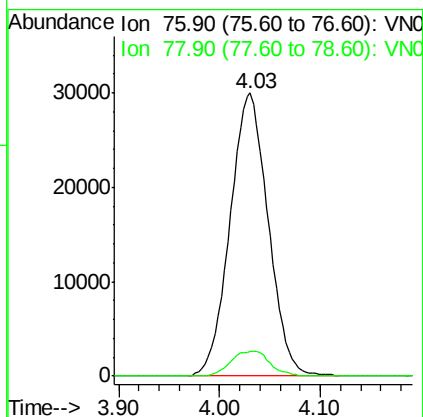
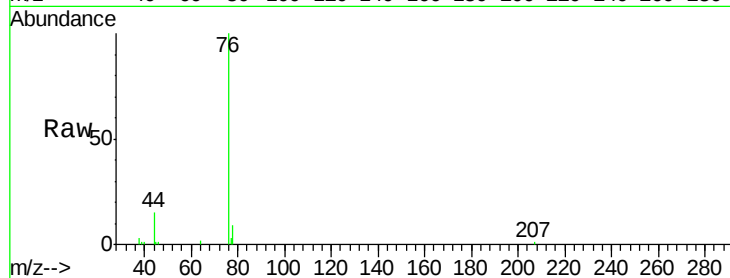




#17
Carbon Disulfide
Concen: 15.338 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

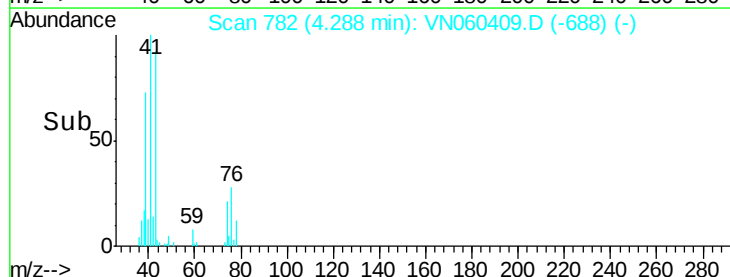
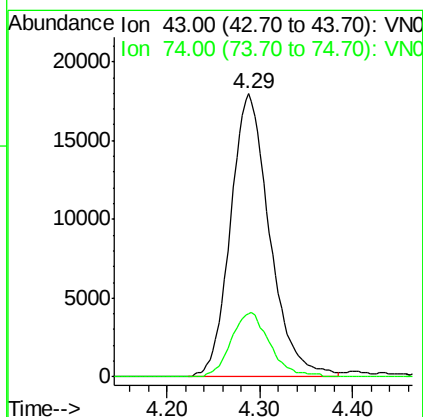
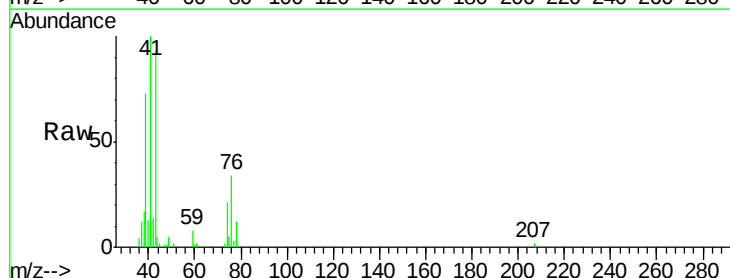
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

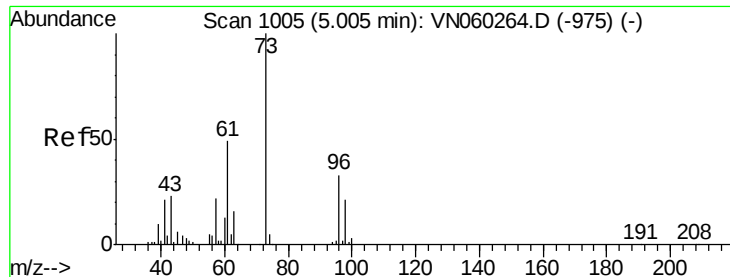
Tgt Ion: 76 Resp: 78736
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 19.536 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 43 Resp: 52710
Ion Ratio Lower Upper
43 100
74 22.5 18.8 28.2

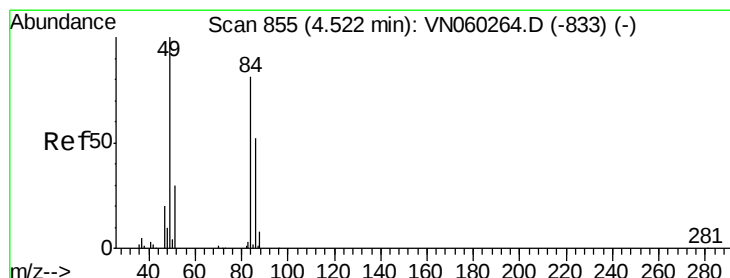
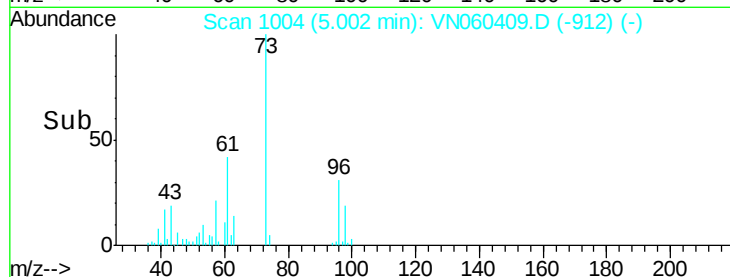
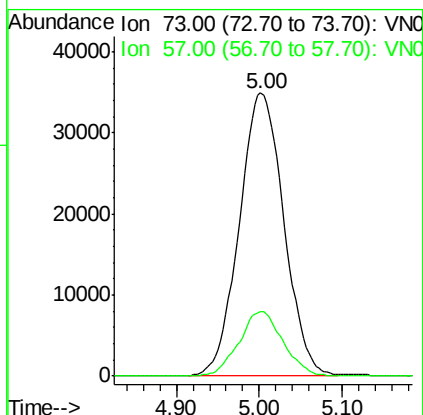
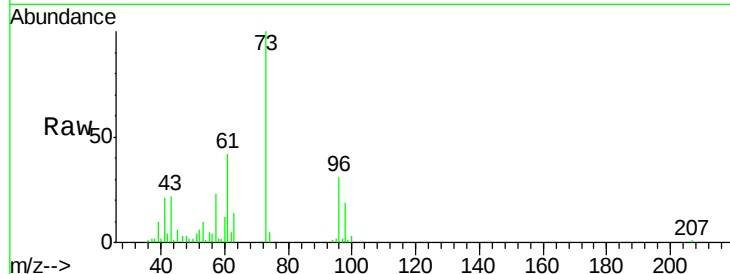




#19
Methyl tert-butyl Ether
Concen: 19.147 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

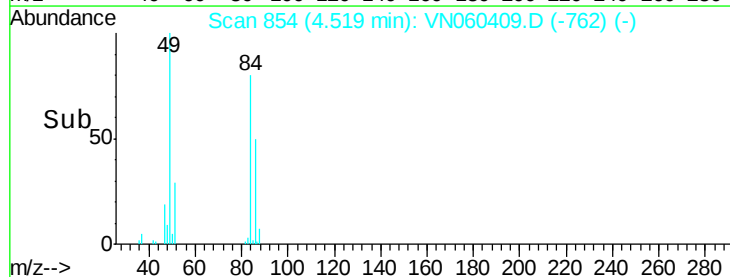
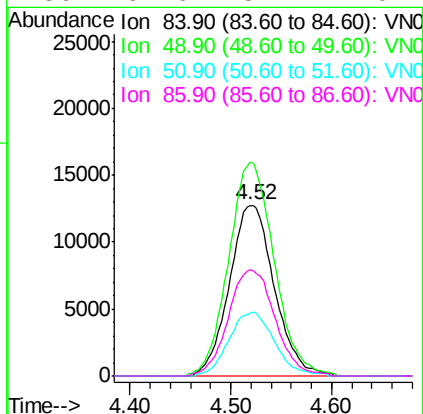
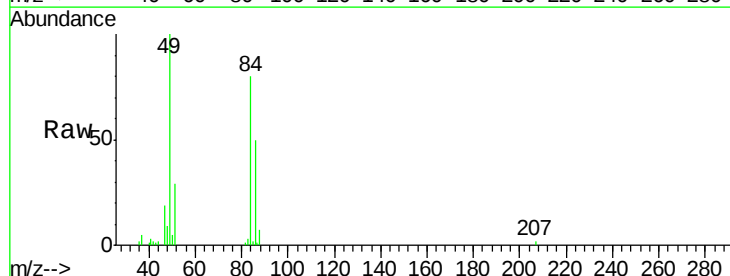
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

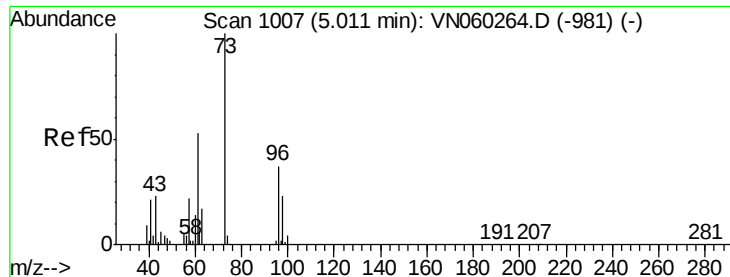
Tgt Ion: 73 Resp: 130325
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9



#20
Methylene Chloride
Concen: 17.799 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 84 Resp: 39521
Ion Ratio Lower Upper
84 100
49 125.3 99.3 148.9
51 36.9 30.1 45.1
86 62.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.399 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

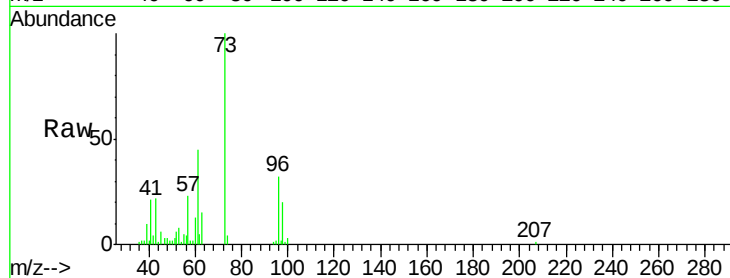
Tgt Ion: 96 Resp: 35606

Ion Ratio Lower Upper

96 100

61 141.1 113.8 170.8

98 63.3 48.8 73.2

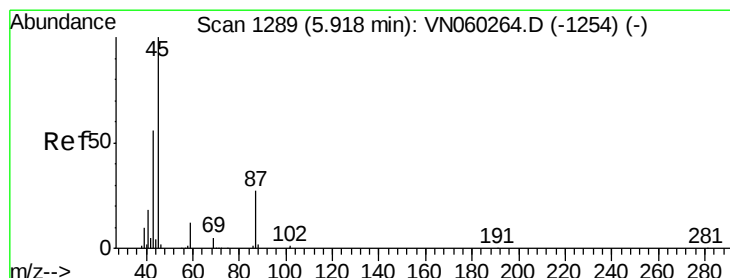
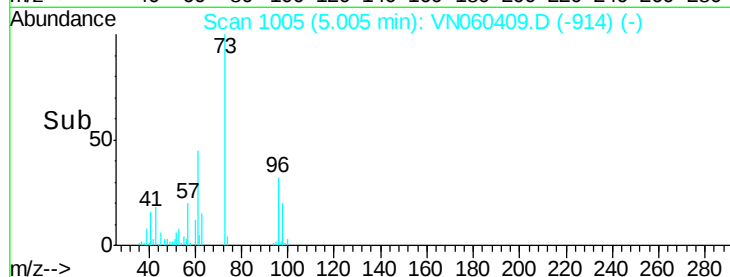
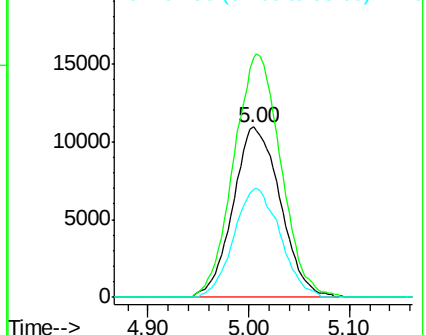


Abundance

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: 19.477 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion: 45 Resp: 136372

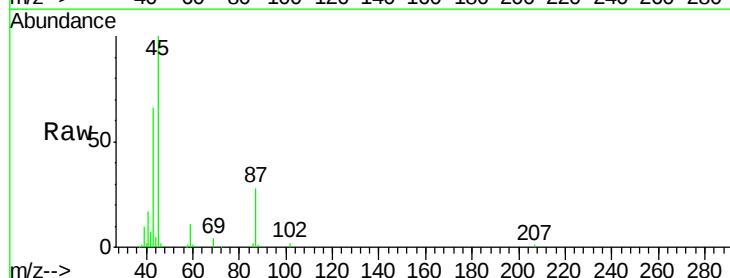
Ion Ratio Lower Upper

45 100

43 63.9 48.6 72.8

87 27.9 22.2 33.2

59 11.5 9.5 14.3



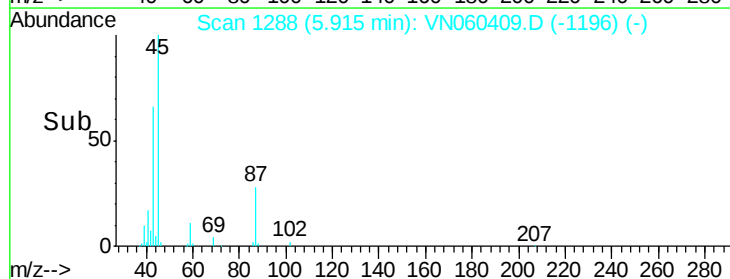
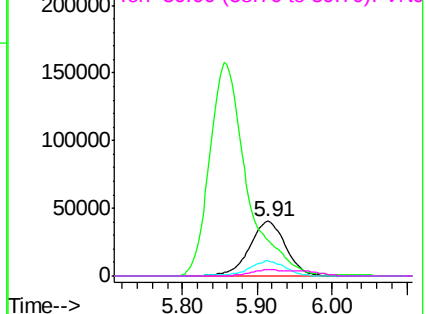
Abundance

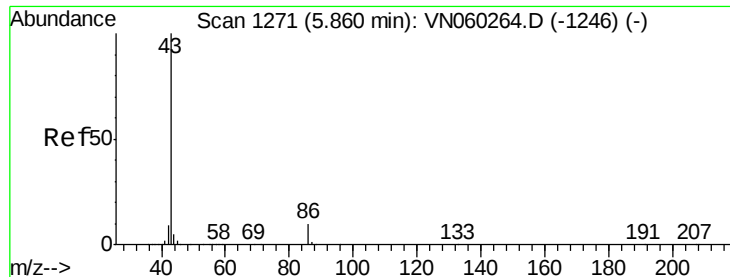
Ion 45.00 (44.70 to 45.70): VN0

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

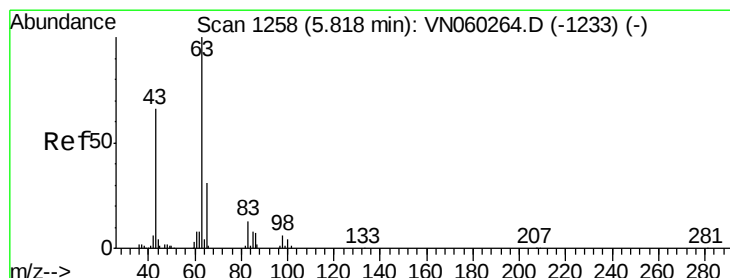
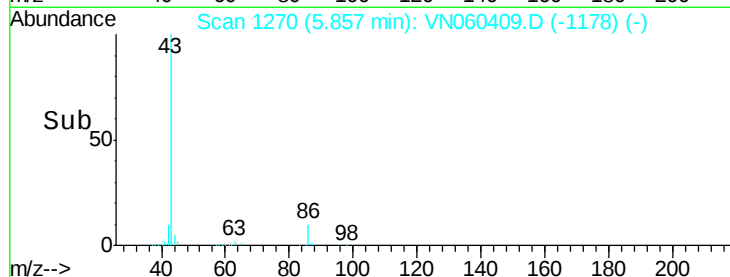
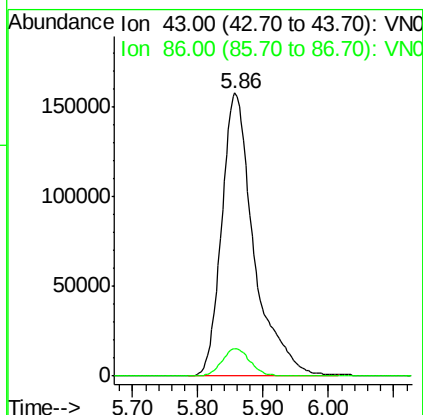
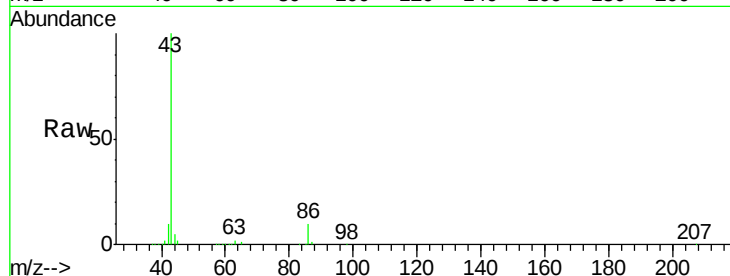




#23
 Vinyl Acetate
 Concen: 97.642 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

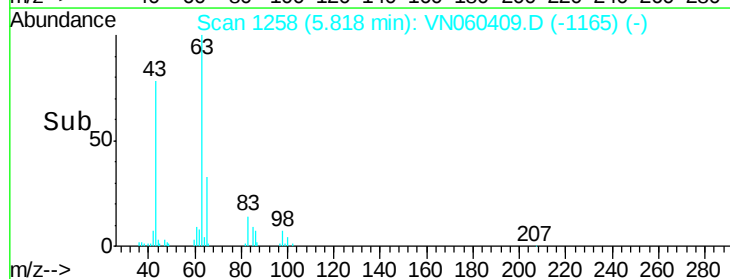
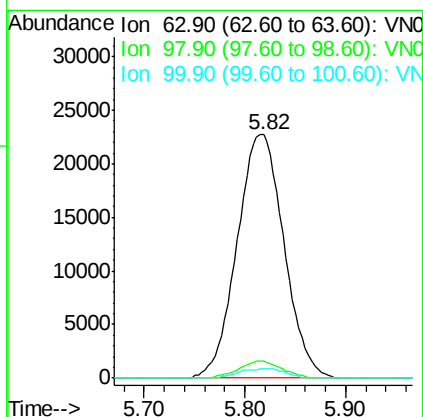
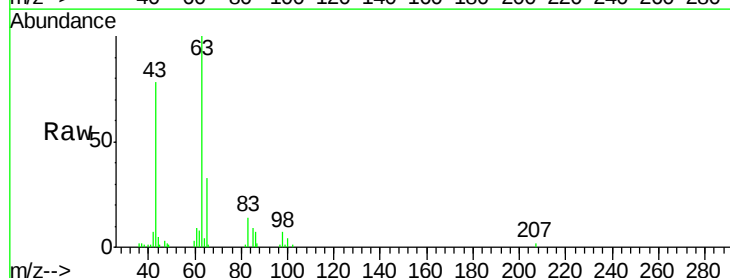
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

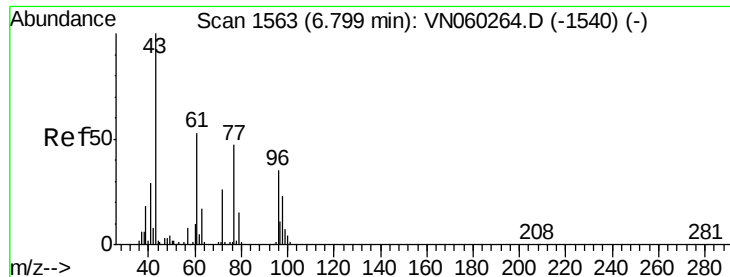
Tgt Ion: 43 Resp: 543262
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 18.456 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 63 Resp: 73150
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.0 9.0
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 103.667 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

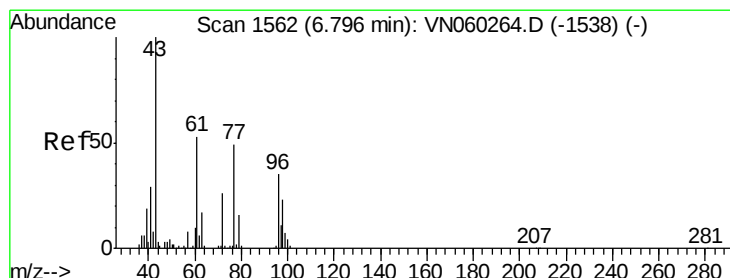
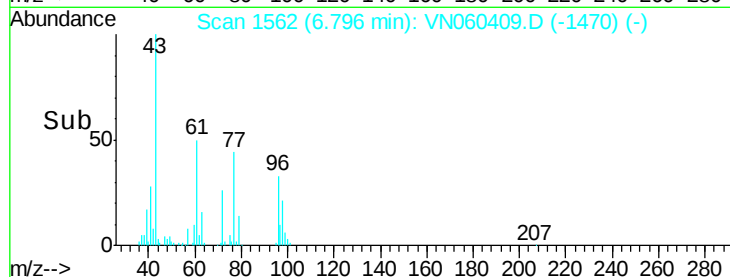
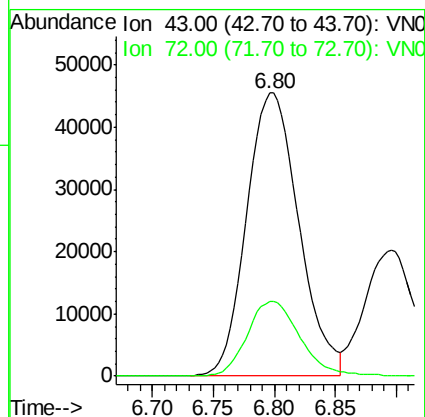
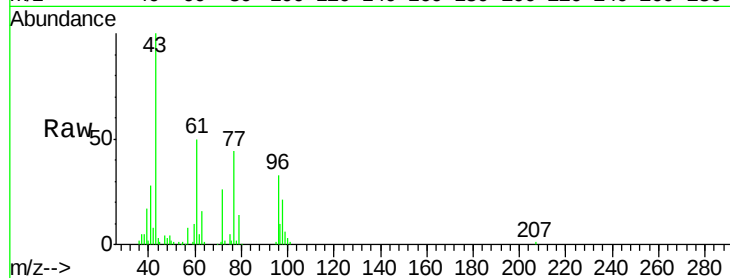
VN0310WBSD01

Tgt Ion: 43 Resp: 135382

Ion Ratio Lower Upper

43 100

72 26.2 20.9 31.3



#26

2,2-Dichloropropane

Concen: 18.009 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060409.D

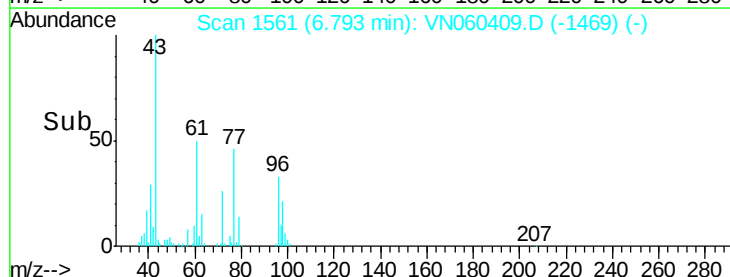
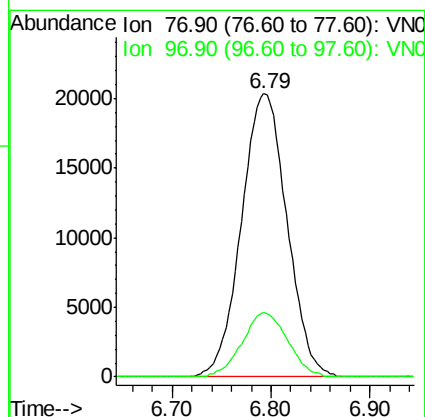
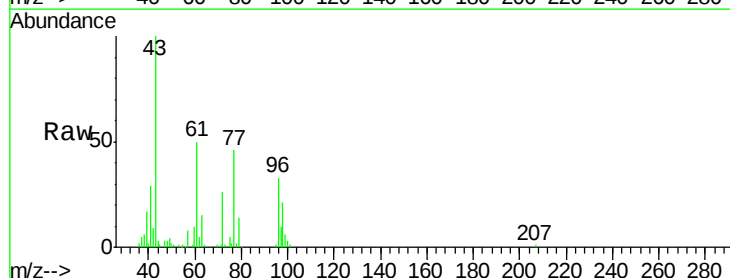
Acq: 10 Mar 2020 12:22

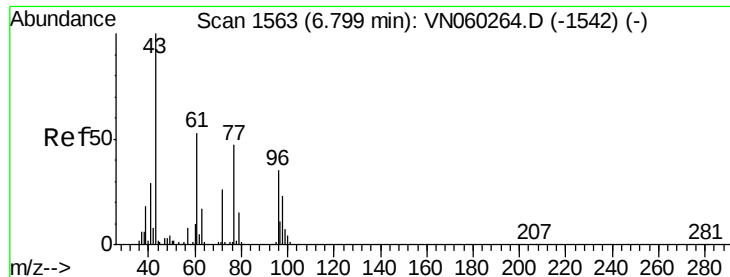
Tgt Ion: 77 Resp: 64980

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.173 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

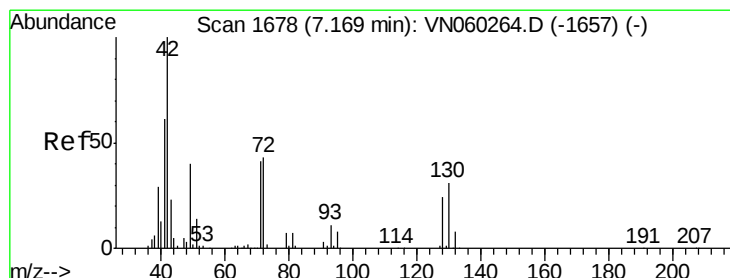
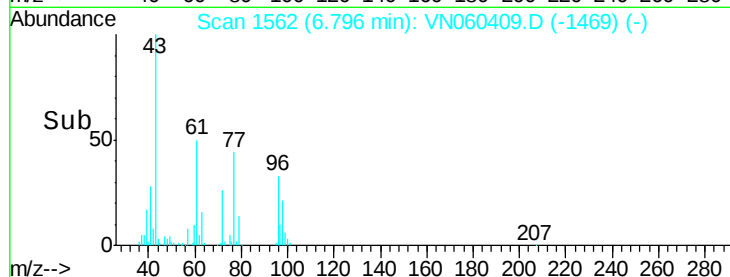
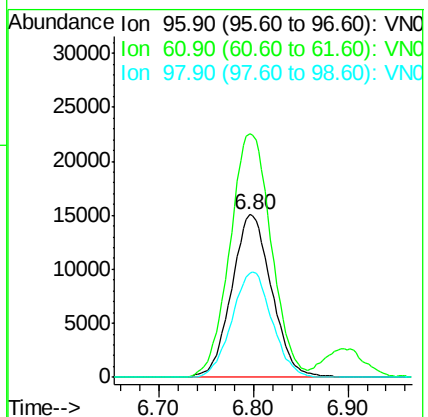
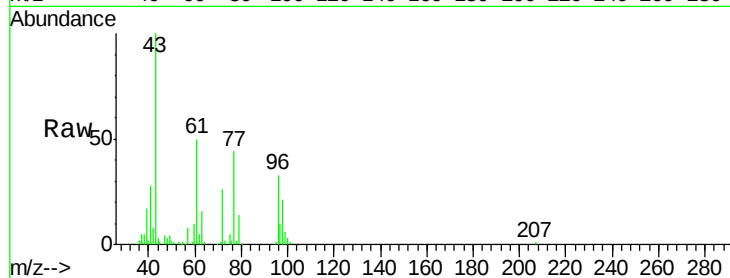
Tgt Ion: 96 Resp: 44214

Ion Ratio Lower Upper

96 100

61 155.0 0.0 300.8

98 64.8 0.0 128.2



#28

Bromochloromethane

Concen: 18.405 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

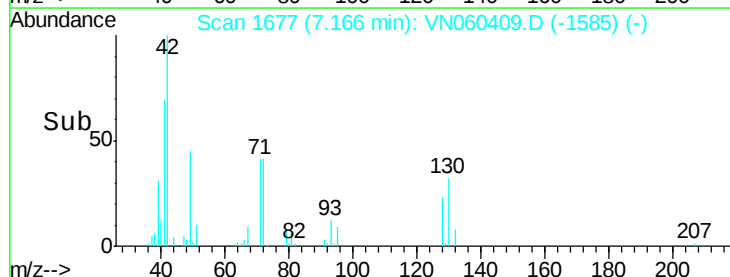
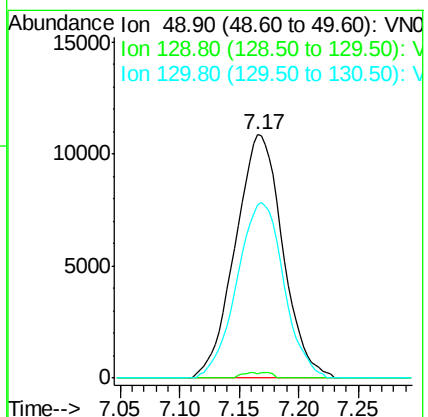
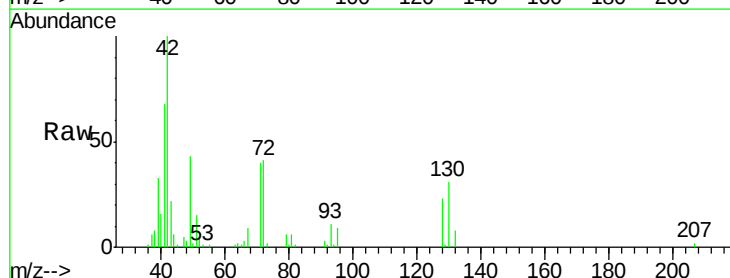
Tgt Ion: 49 Resp: 29951

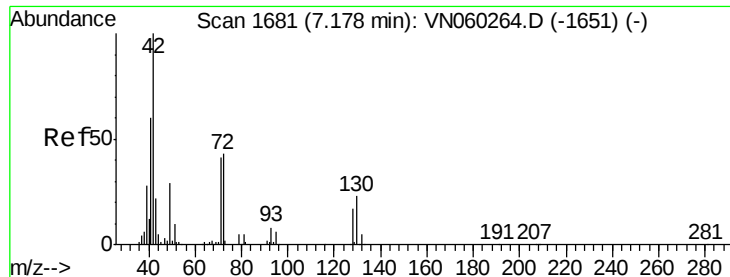
Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.8

130 71.3 59.8 89.8

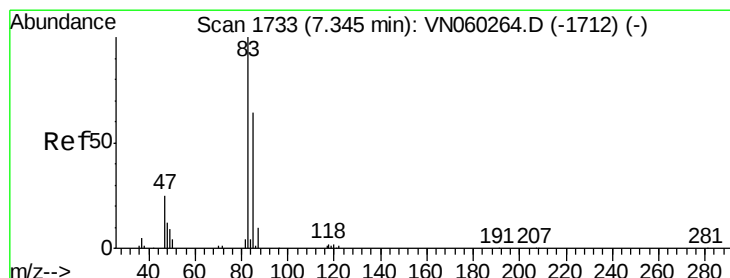
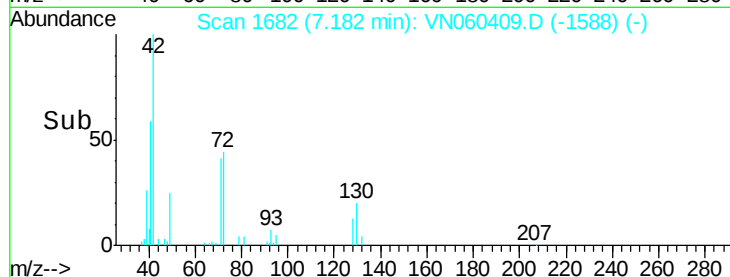
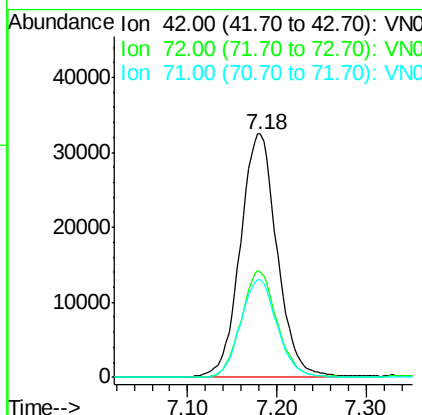
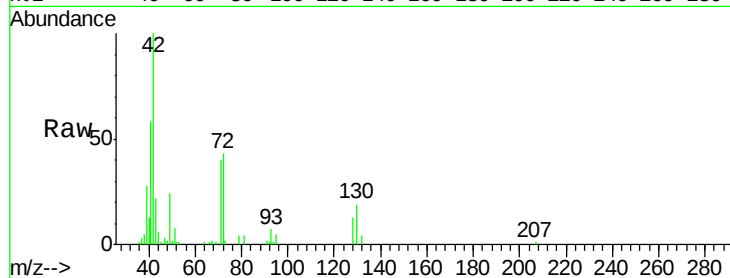




#29
Tetrahydrofuran
Concen: 102.718 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

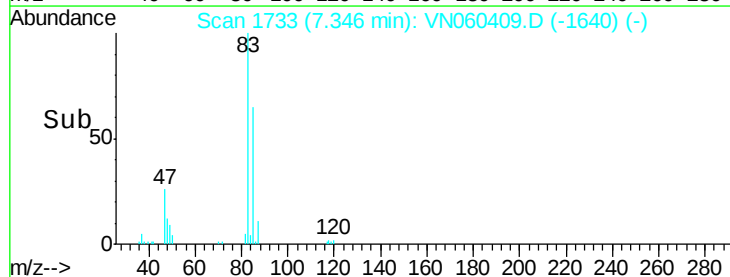
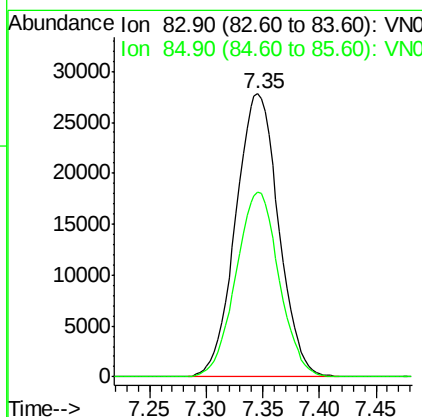
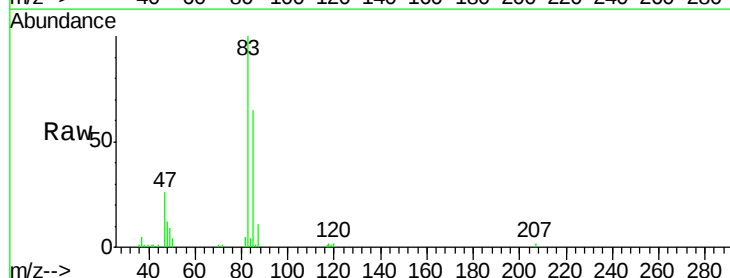
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

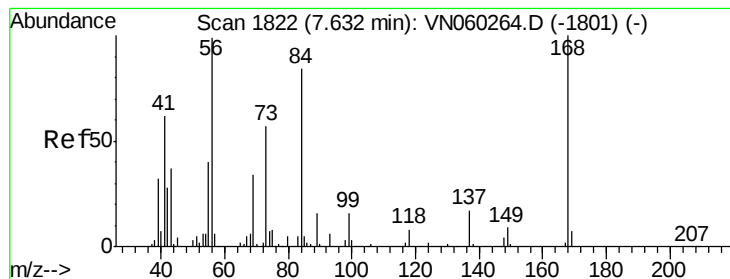
Tgt Ion: 42 Resp: 93280
Ion Ratio Lower Upper
42 100
72 42.4 34.6 52.0
71 39.7 32.9 49.3



#30
Chloroform
Concen: 18.603 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 83 Resp: 73399
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.2





#31

Cyclohexane

Concen: 17.647 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

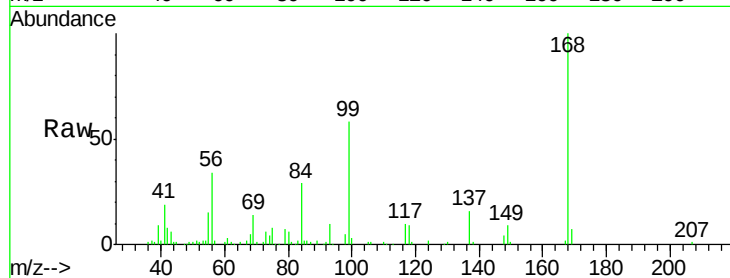
Tgt Ion: 56 Resp: 62622

Ion Ratio Lower Upper

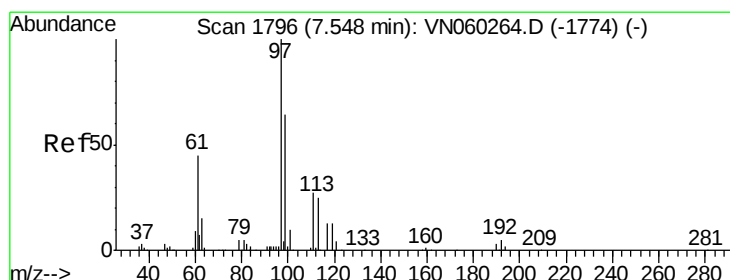
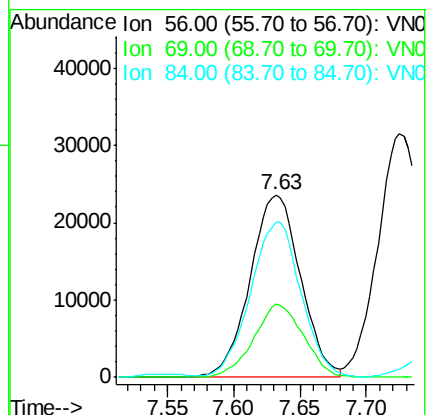
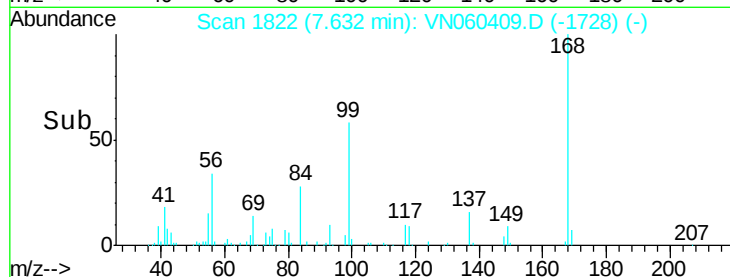
56 100

69 40.5 27.2 40.8

84 84.2 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.905 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

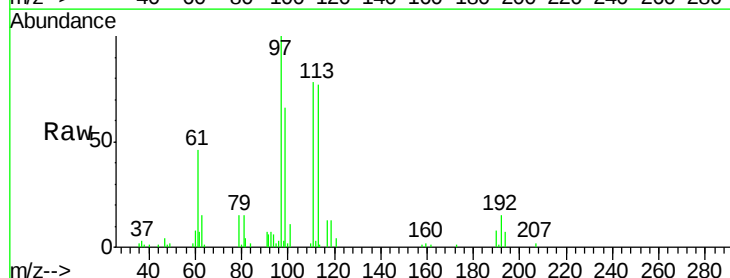
Tgt Ion: 97 Resp: 62590

Ion Ratio Lower Upper

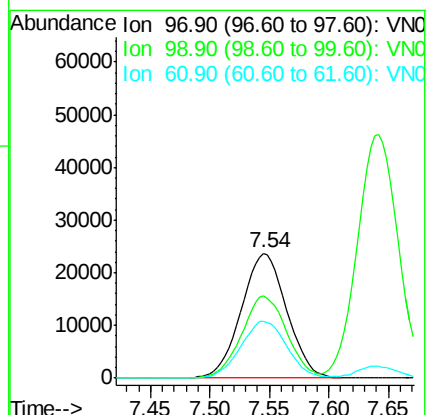
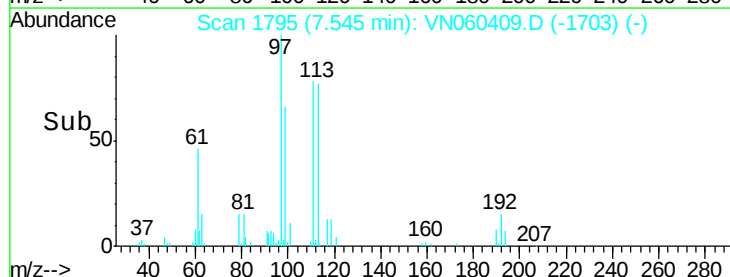
97 100

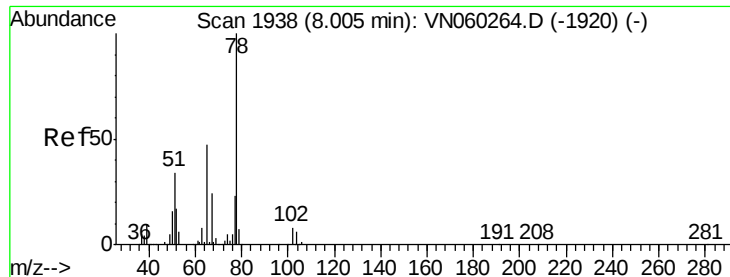
99 65.3 51.4 77.0

61 46.6 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.070 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

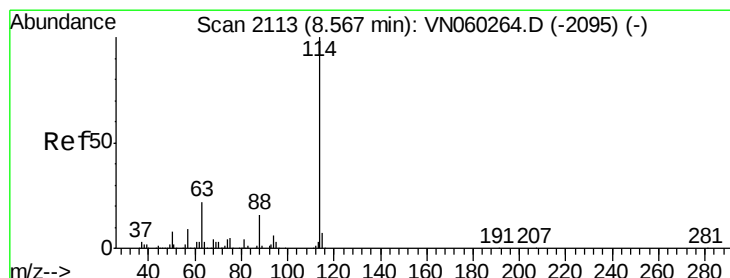
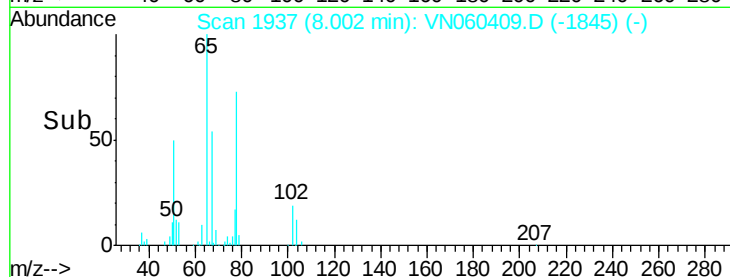
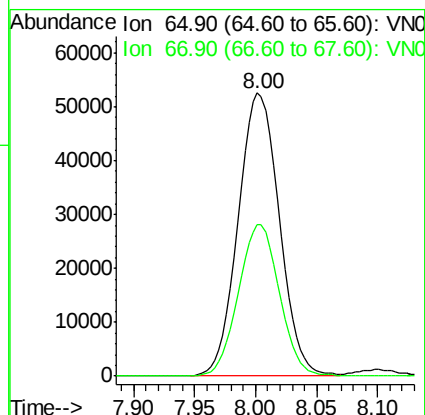
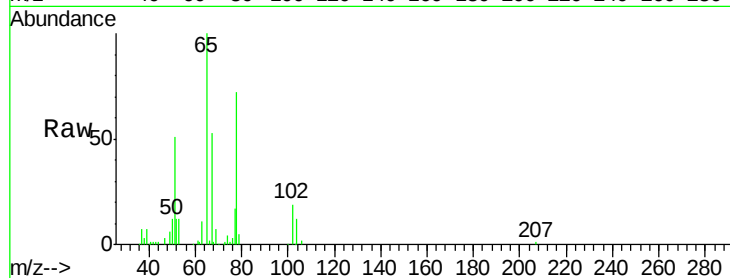
VN0310WBSD01

Tgt Ion: 65 Resp: 122855

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

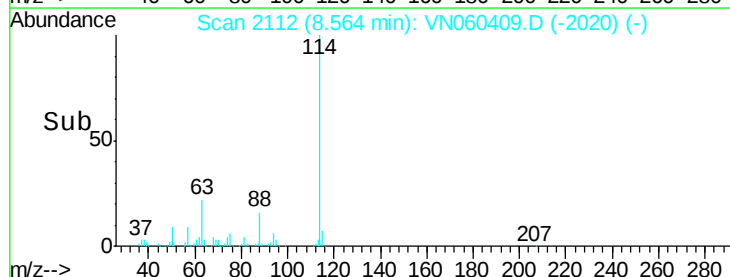
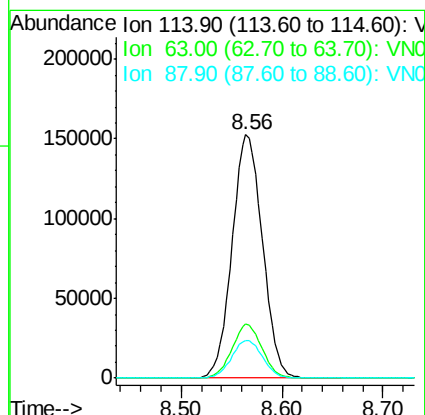
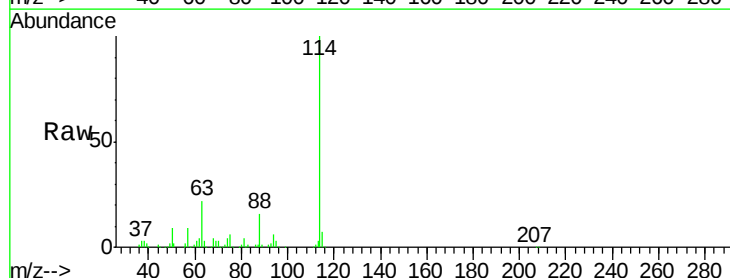
Tgt Ion: 114 Resp: 320053

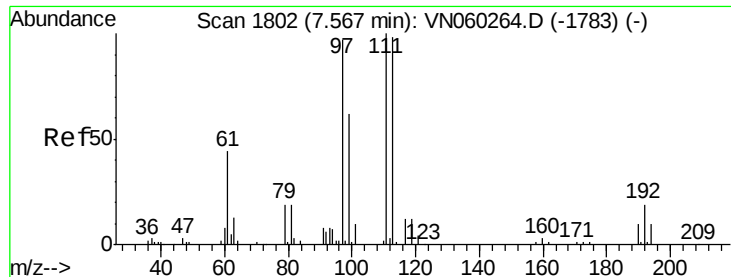
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

88 15.6 0.0 31.6

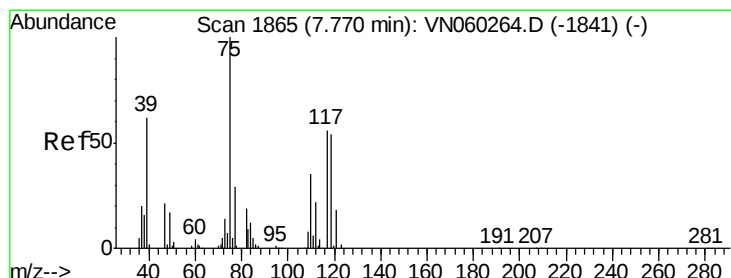
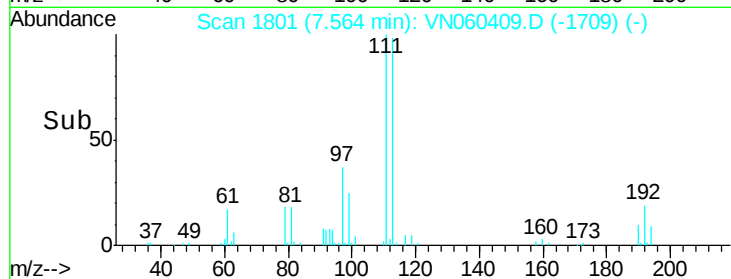
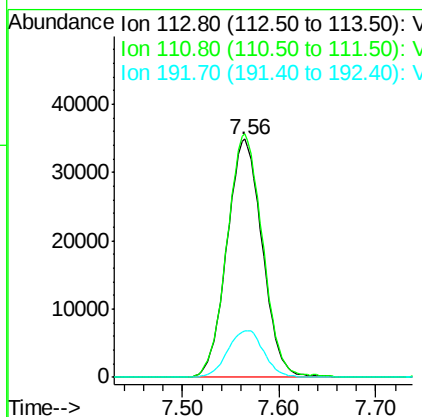
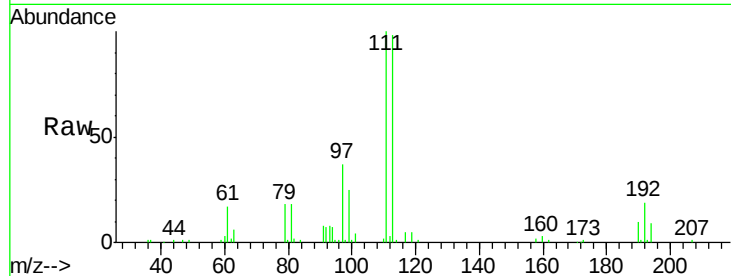




#35
 Dibromofluoromethane
 Concen: 59.649 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

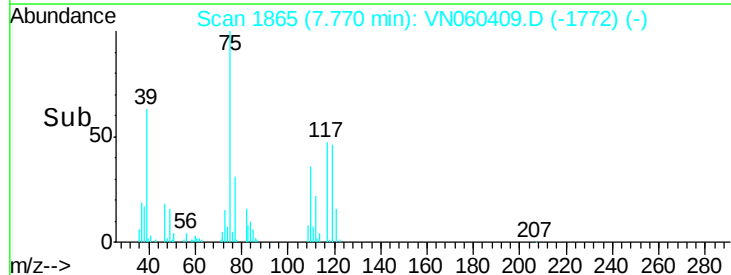
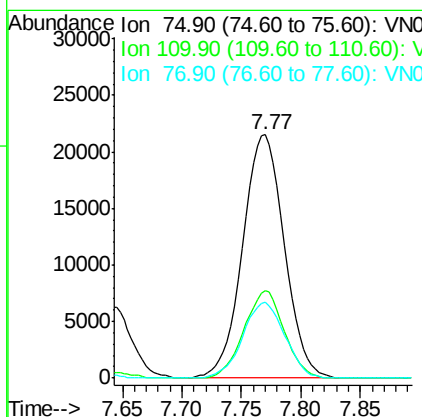
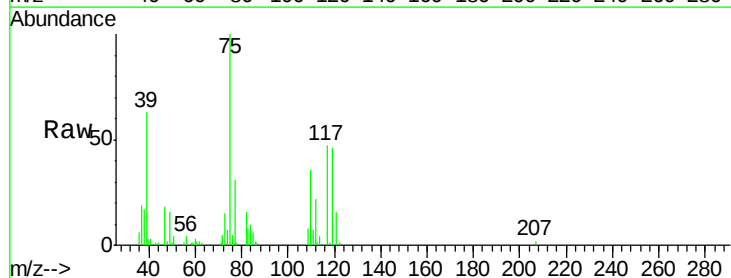
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

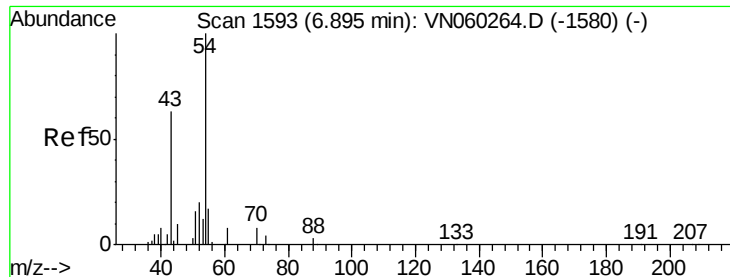
Tgt Ion: 113 Resp: 88613
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.4 123.6
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 17.121 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 75 Resp: 52224
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.3 52.0
 77 31.5 24.2 36.2

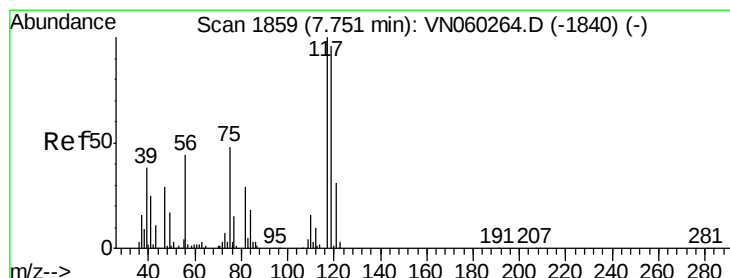
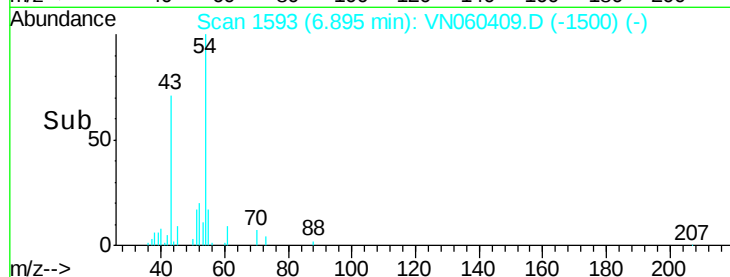
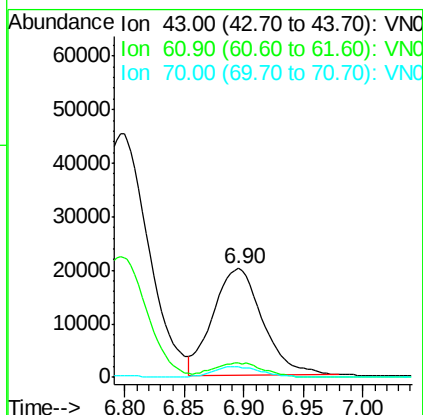
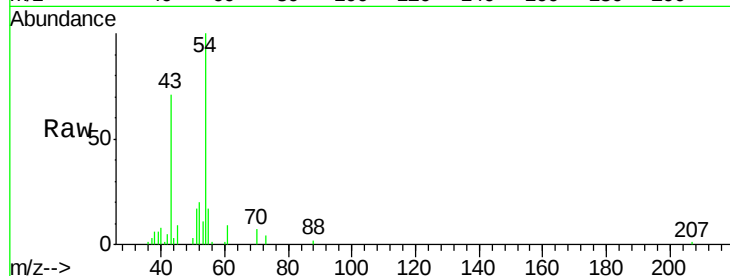




#37
Ethyl Acetate
 Concen: 20.019 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

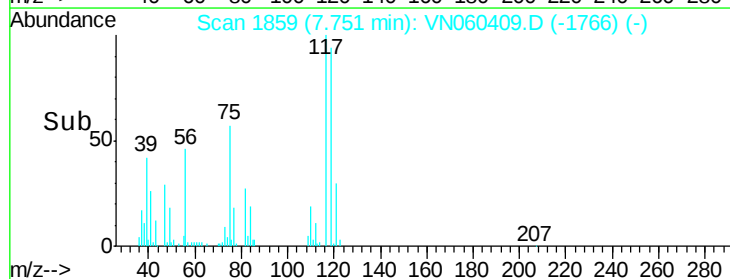
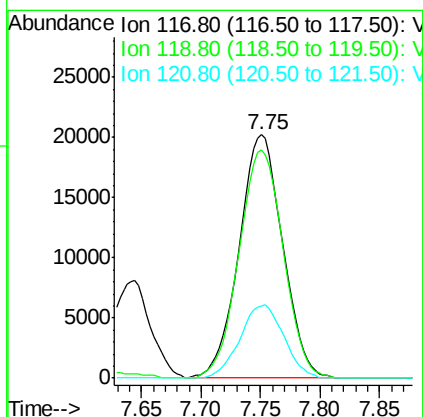
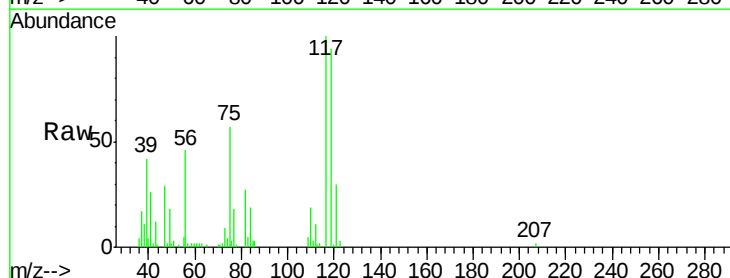
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

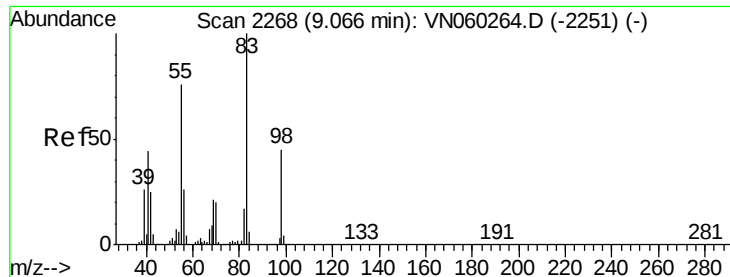
Tgt Ion: 43 Resp: 57820
 Ion Ratio Lower Upper
 43 100
 61 13.9 11.1 16.7
 70 9.9 8.4 12.6



#38
Carbon Tetrachloride
 Concen: 17.294 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 117 Resp: 51360
 Ion Ratio Lower Upper
 117 100
 119 93.7 76.7 115.1
 121 29.9 24.5 36.7

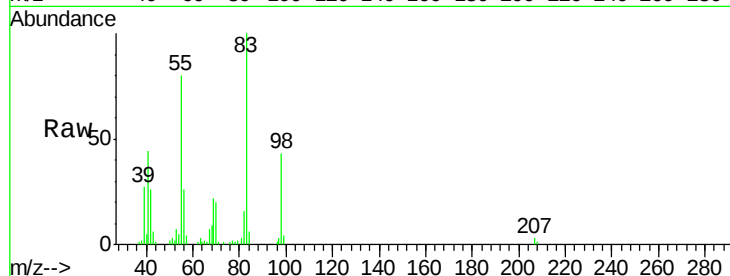




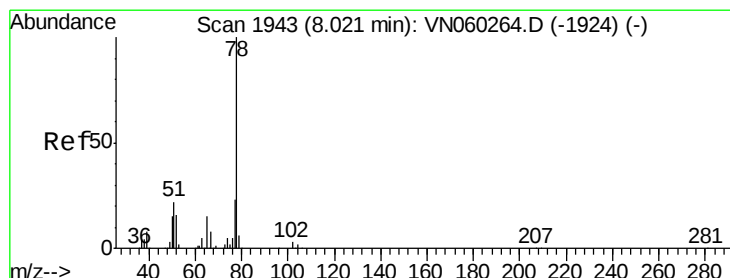
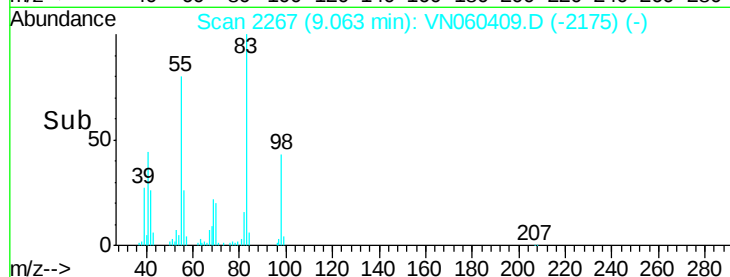
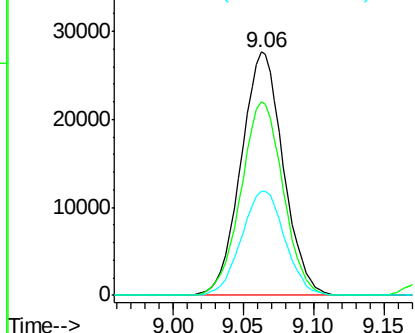
#39
Methylcyclohexane
Concen: 16.065 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0310WBSD01

Tgt Ion: 83 Resp: 57775
Ion Ratio Lower Upper
83 100
55 79.6 61.0 91.4
98 42.5 36.1 54.1

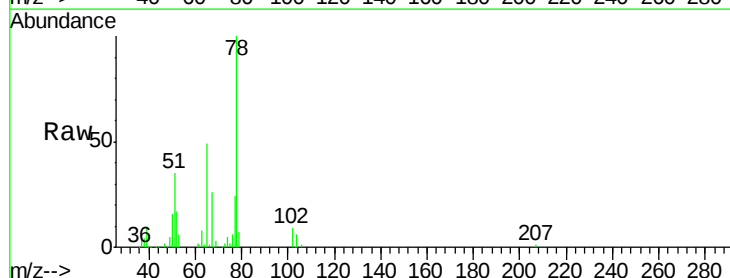


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

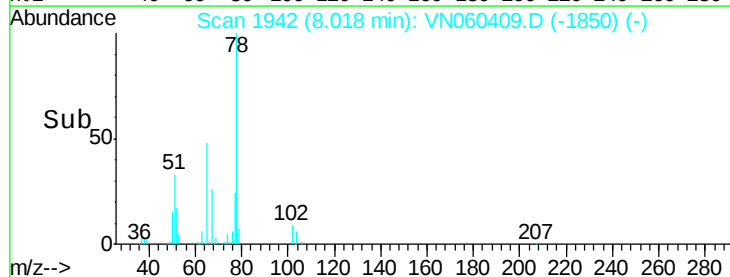
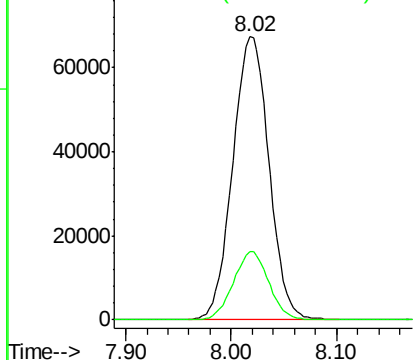


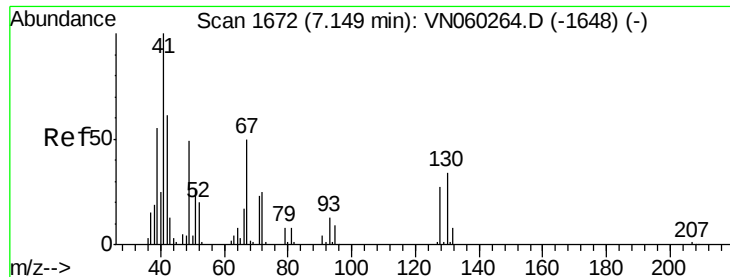
#40
Benzene
Concen: 18.111 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 78 Resp: 160787
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



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

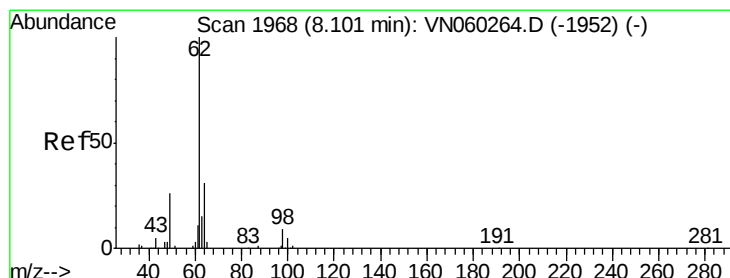
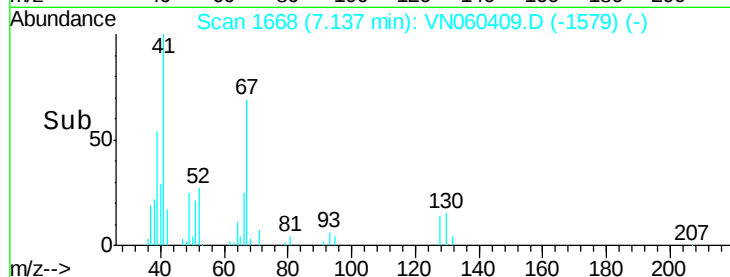
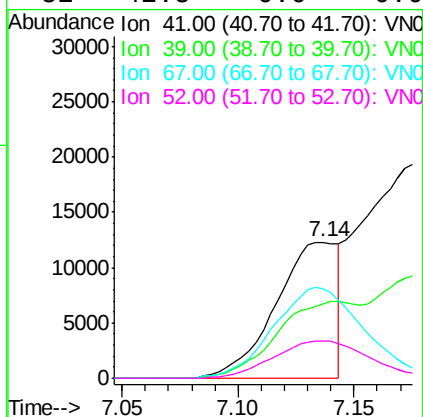
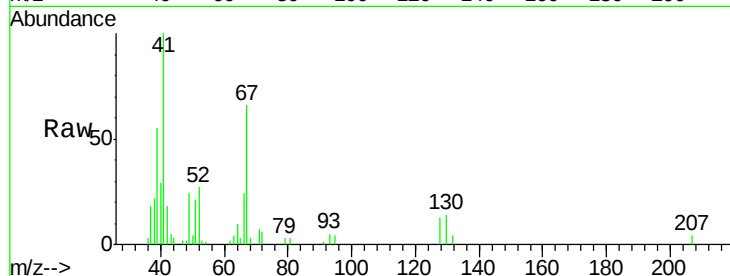




#41
Methacrylonitrile
Concen: 17.222 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

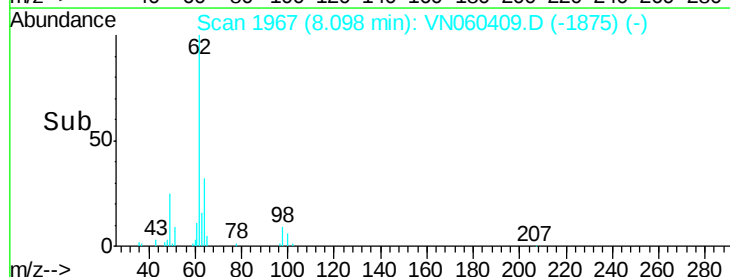
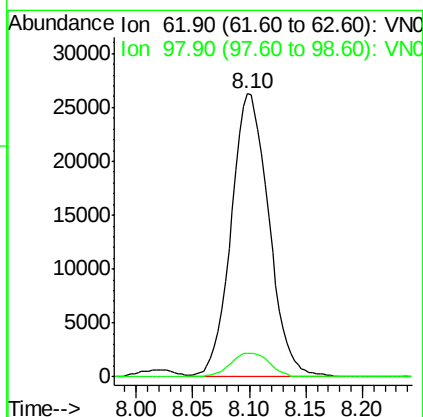
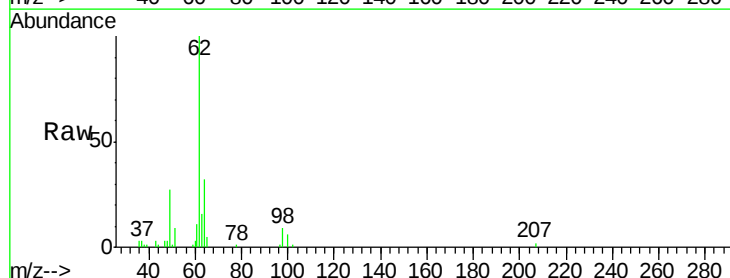
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

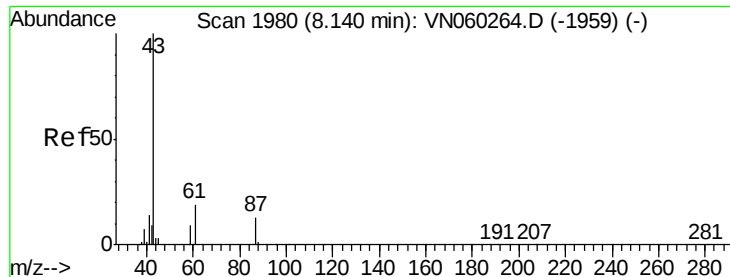
Tgt Ion:	41	Resp:	22967
Ion	Ratio	Lower	Upper
41	100		
39	73.4	0.0	0.0#
67	98.2	0.0	0.0#
52	42.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.020 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion:	62	Resp:	60933
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.852 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

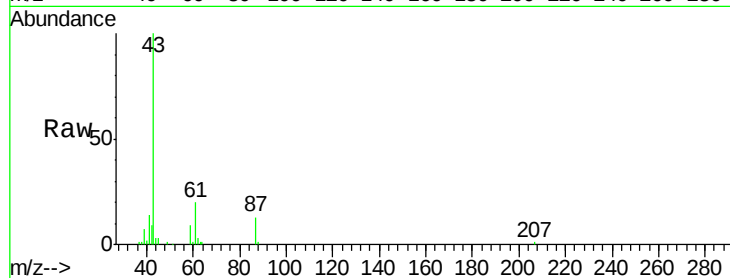
Tgt Ion: 43 Resp: 100379

Ion Ratio Lower Upper

43 100

61 26.1 20.9 31.3

87 13.0 10.6 16.0



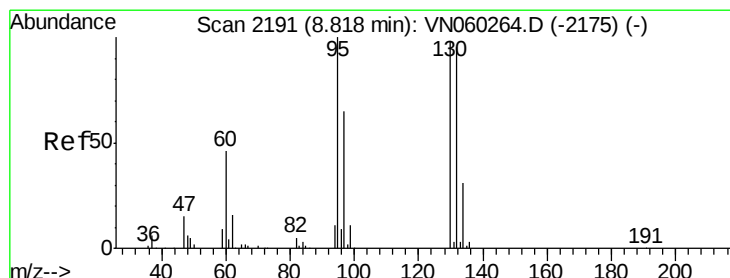
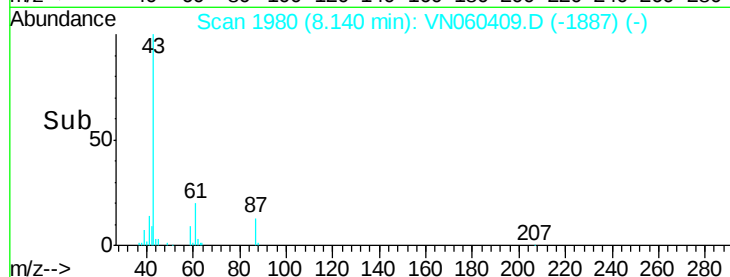
Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)

Time-->

8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 17.549 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060409.D

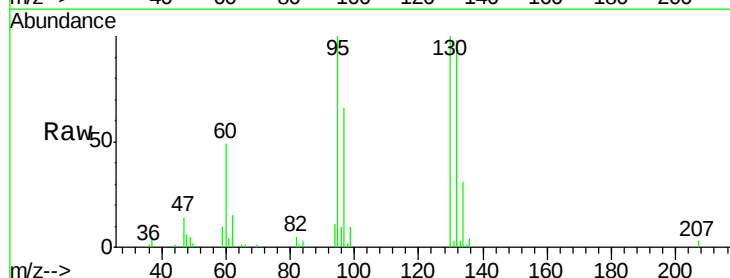
Acq: 10 Mar 2020 12:22

Tgt Ion: 130 Resp: 43392

Ion Ratio Lower Upper

130 100

95 100.3 0.0 203.4

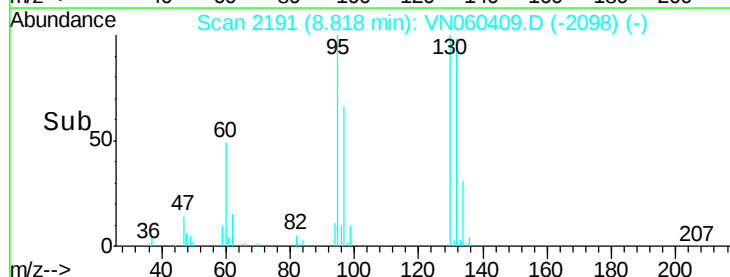


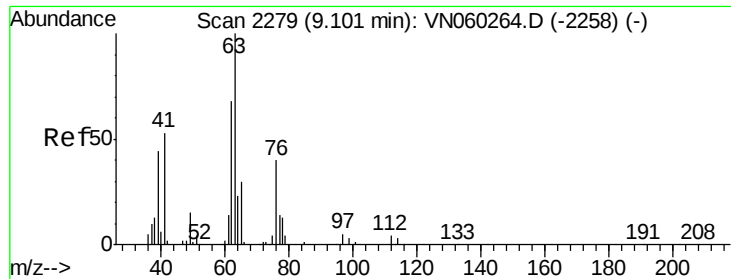
Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

Time-->

8.75 8.80 8.85 8.90





#45

1,2-Dichloropropane

Concen: 19.759 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

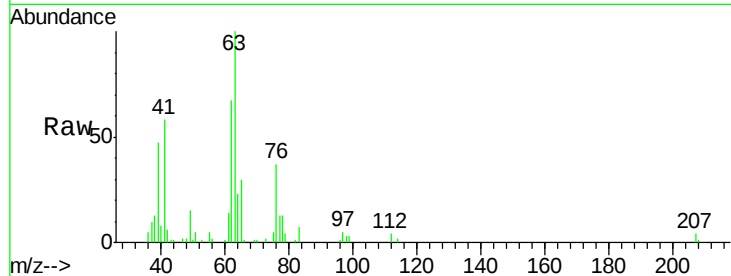
VN0310WBSD01

Tgt Ion: 63 Resp: 45864

Ion Ratio Lower Upper

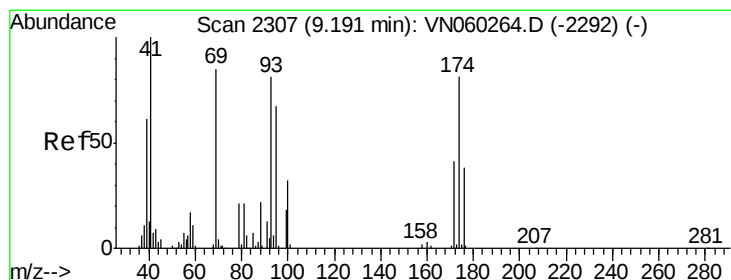
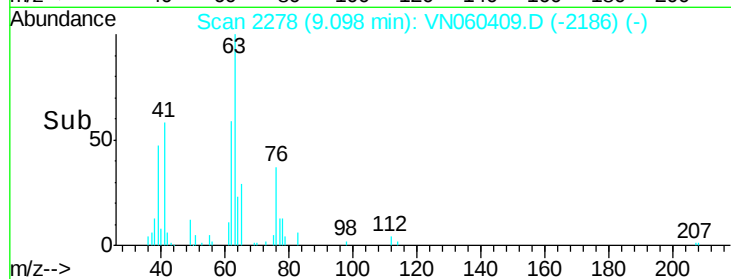
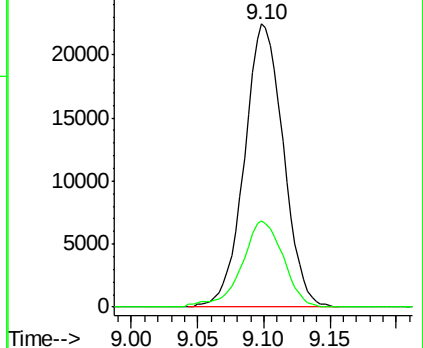
63 100

65 30.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.633 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

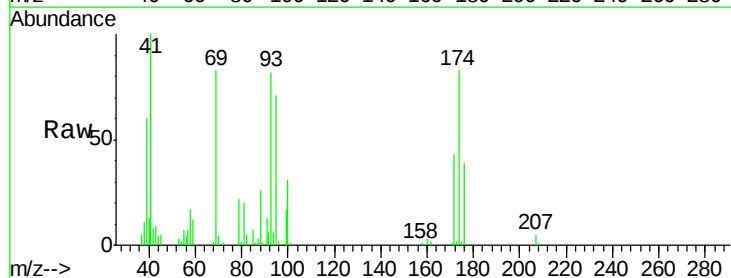
Tgt Ion: 93 Resp: 28064

Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

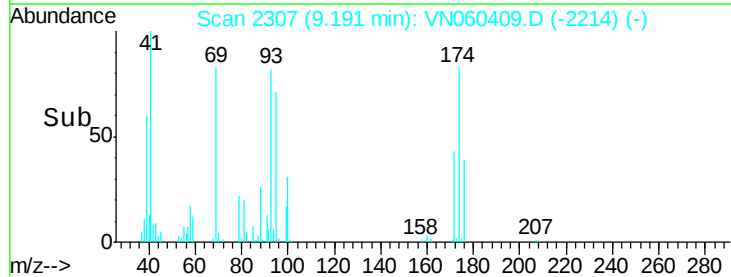
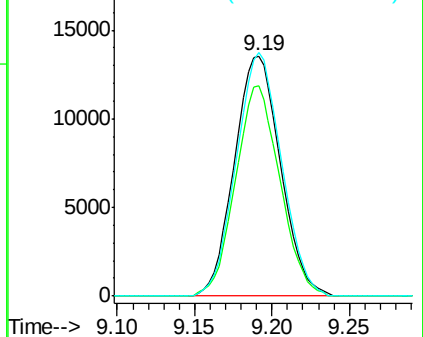
174 99.3 79.6 119.4

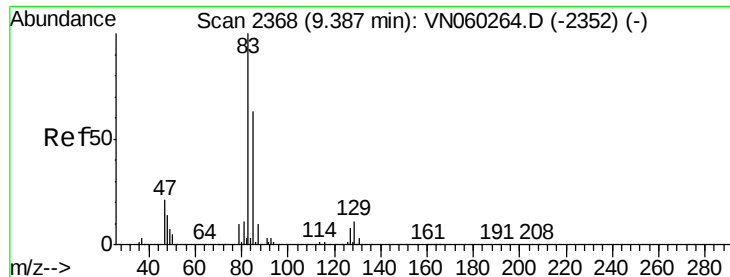


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.265 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

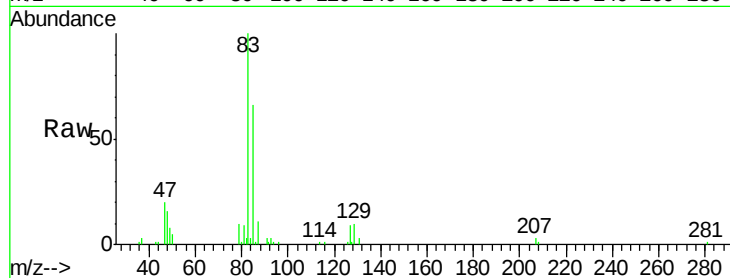
Tgt Ion: 83 Resp: 59012

Ion Ratio Lower Upper

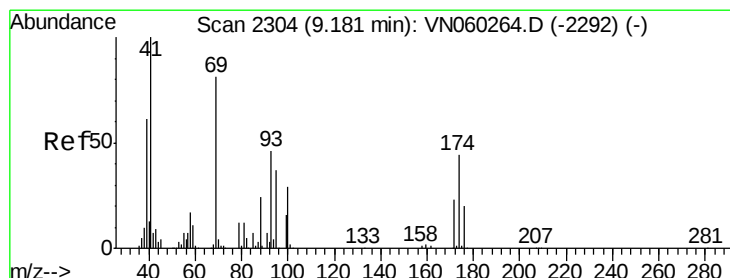
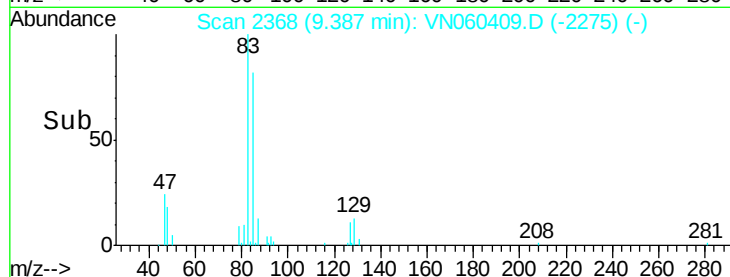
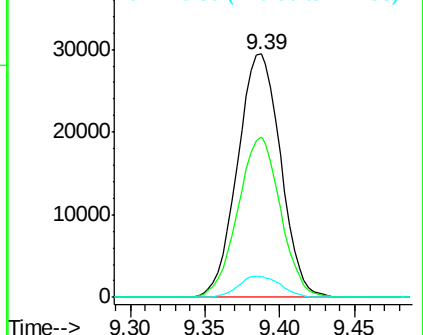
83 100

85 65.9 50.7 76.1

127 8.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.749 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

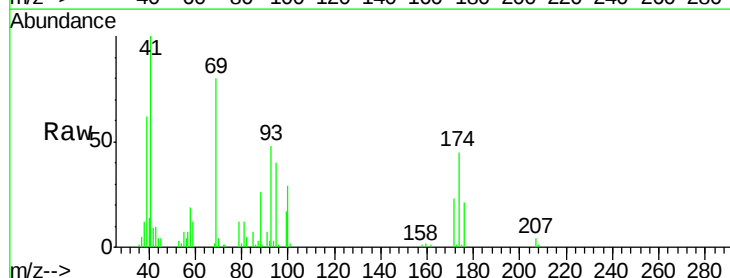
Tgt Ion: 41 Resp: 43231

Ion Ratio Lower Upper

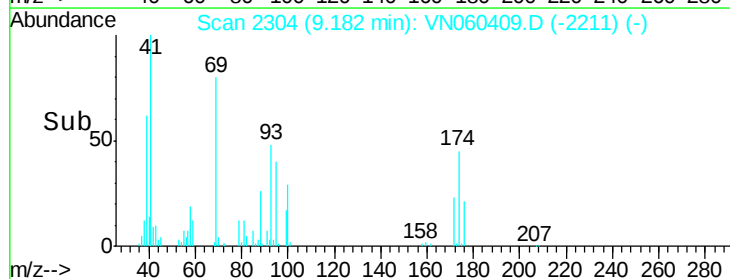
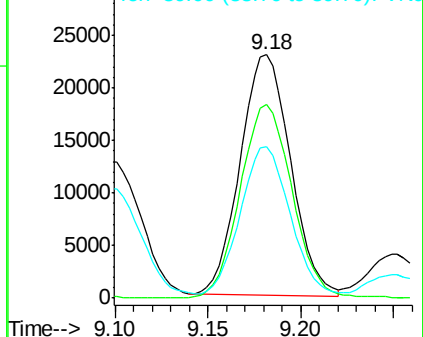
41 100

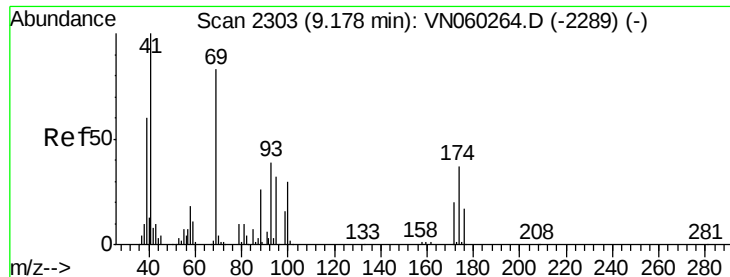
69 82.9 66.7 100.1

39 63.8 50.1 75.1



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

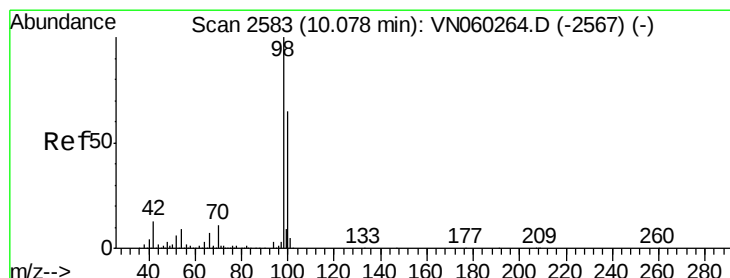
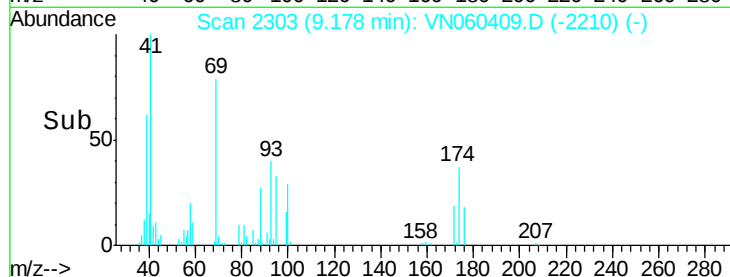
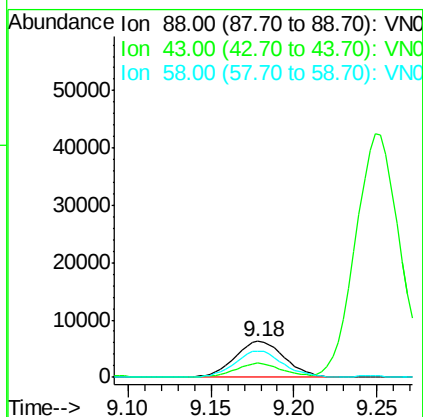
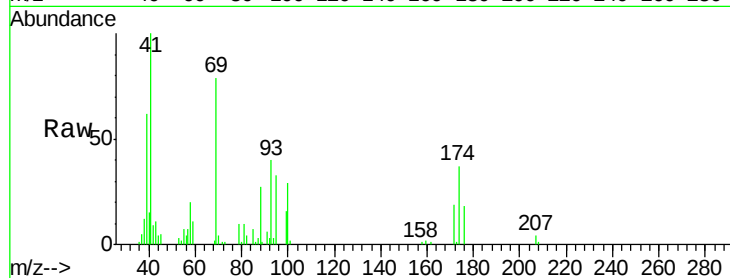




#49
 1,4-Dioxane
 Concen: 404.810 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

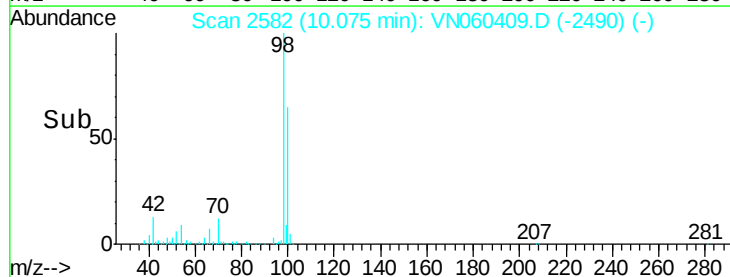
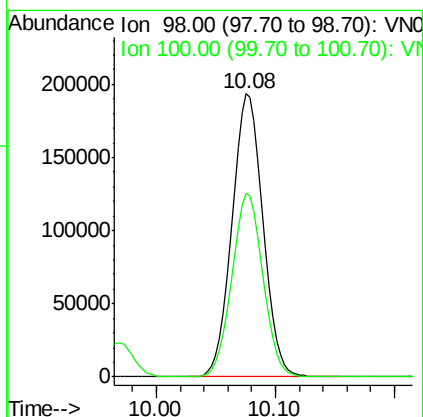
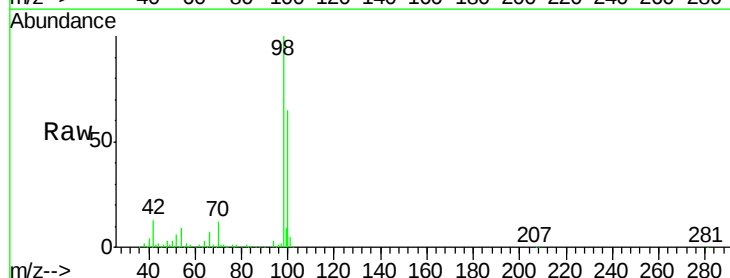
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

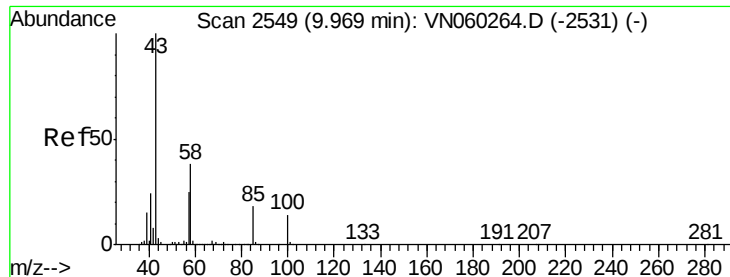
Tgt Ion: 88 Resp: 13126
 Ion Ratio Lower Upper
 88 100
 43 37.8 30.4 45.6
 58 70.3 57.0 85.6



#50
 Toluene-d8
 Concen: 46.279 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 98 Resp: 347961
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.2 78.2

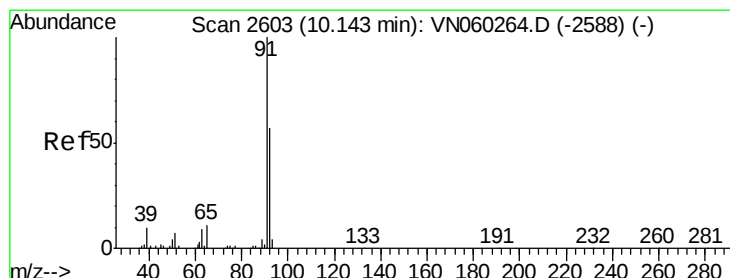
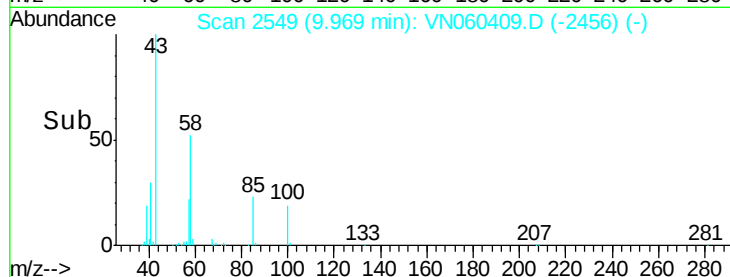
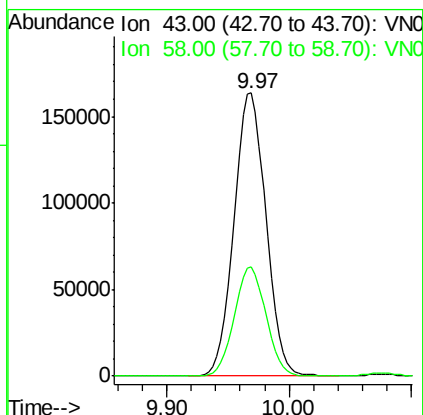
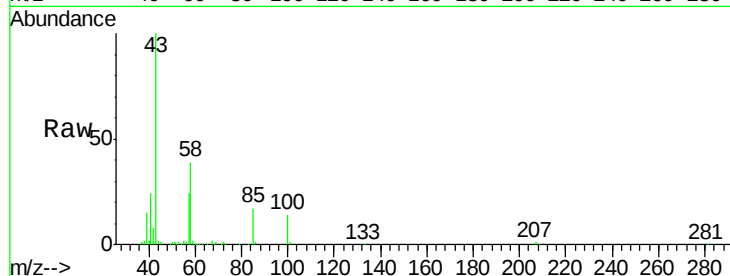




#51
 4-Methyl-2-Pentanone
 Concen: 103.547 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

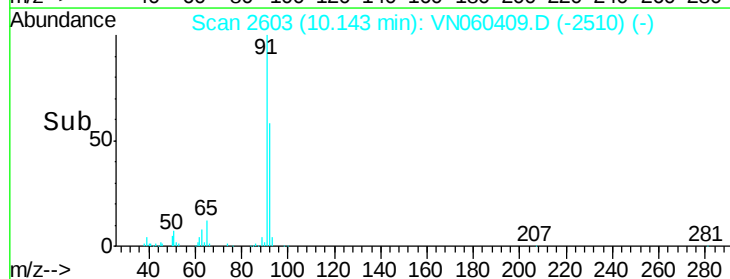
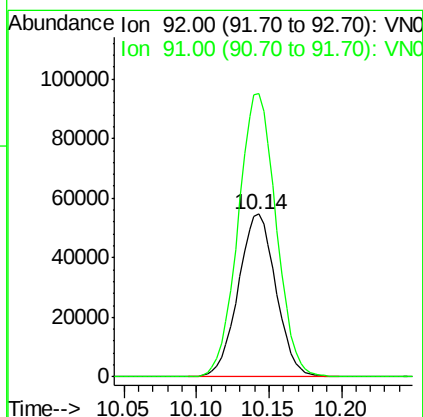
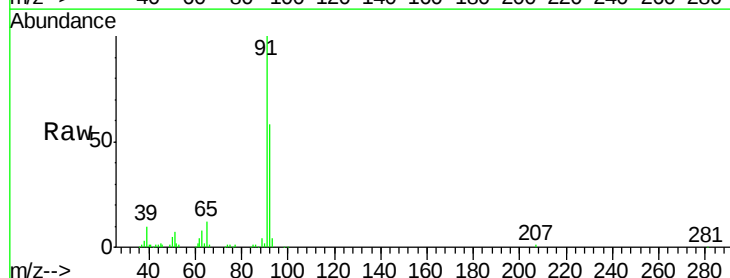
Instrument :
 MSVOA_N
 ClientSampled :
 VN0310WBSD01

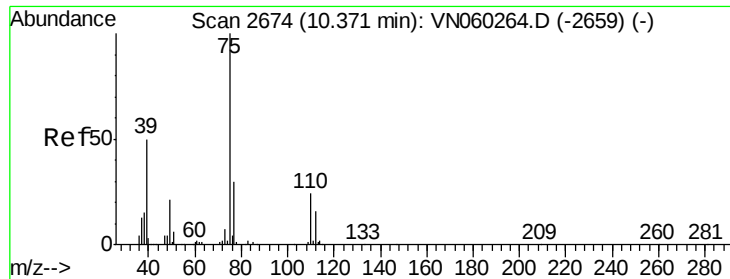
Tgt Ion: 43 Resp: 296854
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.9 46.3



#52
 Toluene
 Concen: 17.689 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 92 Resp: 98651
 Ion Ratio Lower Upper
 92 100
 91 175.4 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 18.311 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampled :

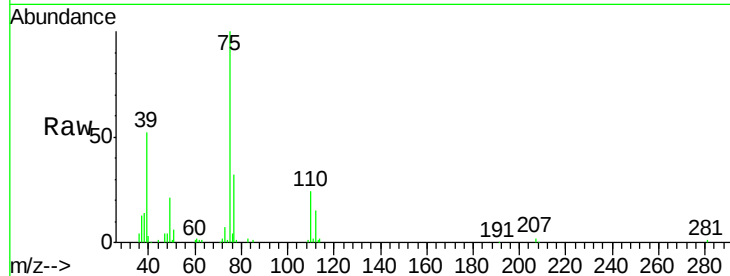
VN0310WBSD01

Tgt Ion: 75 Resp: 68731

Ion Ratio Lower Upper

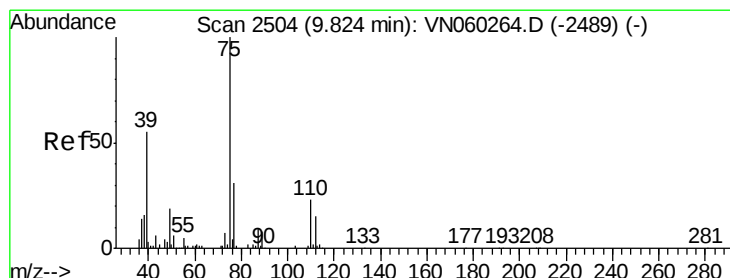
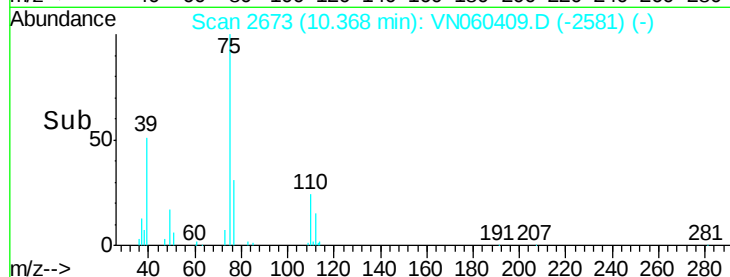
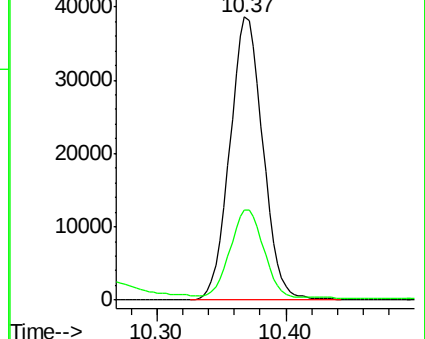
75 100

77 30.9 24.8 37.2



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: 18.578 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

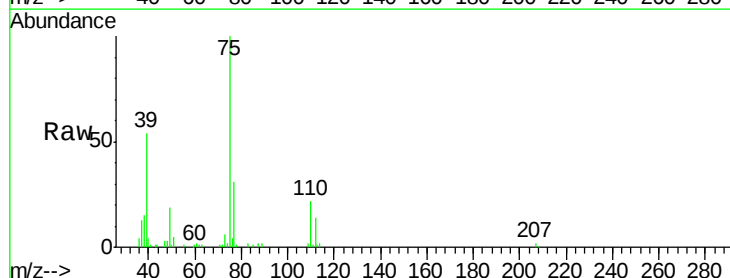
Tgt Ion: 75 Resp: 72257

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

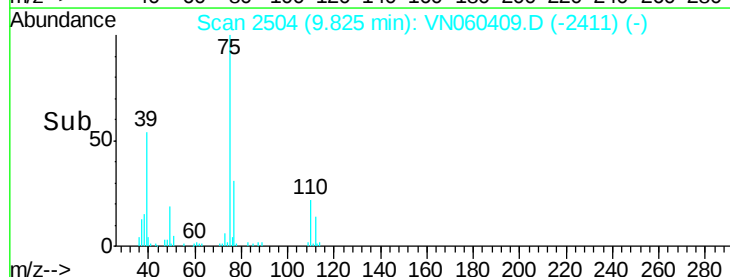
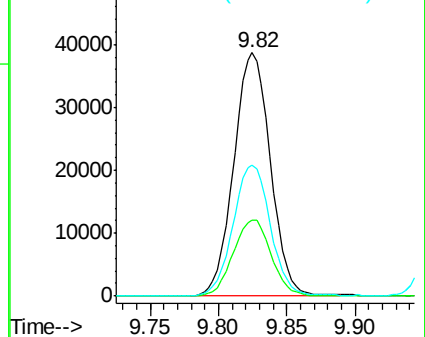
39 54.0 43.8 65.8

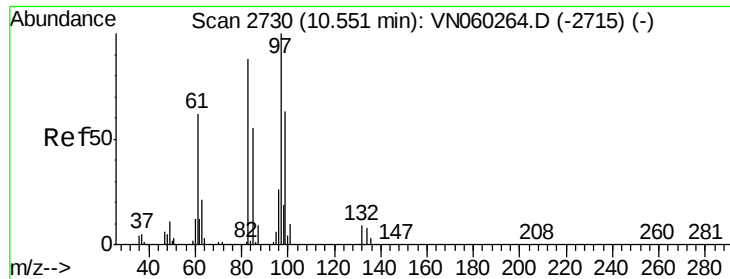


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

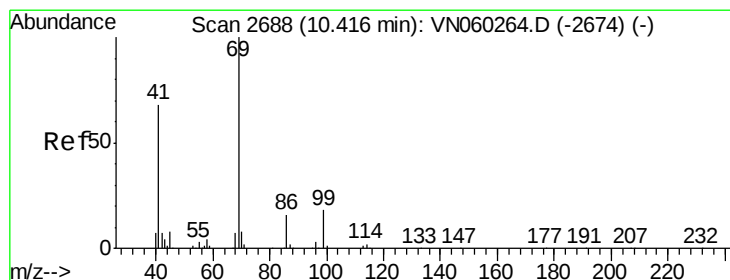
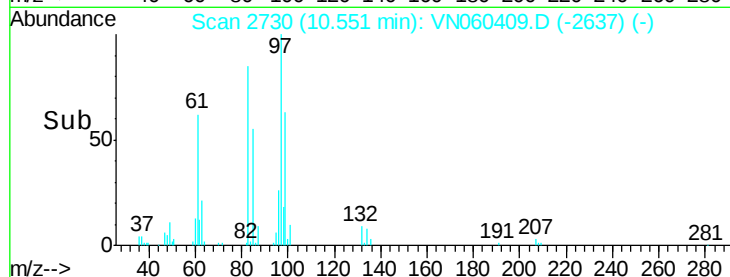
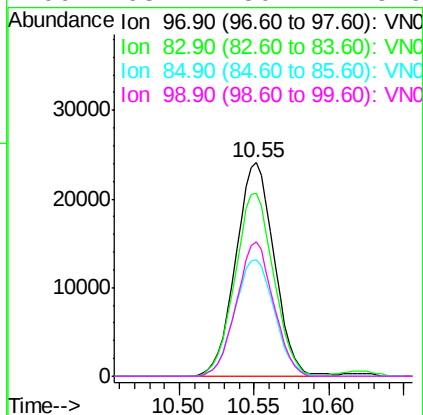
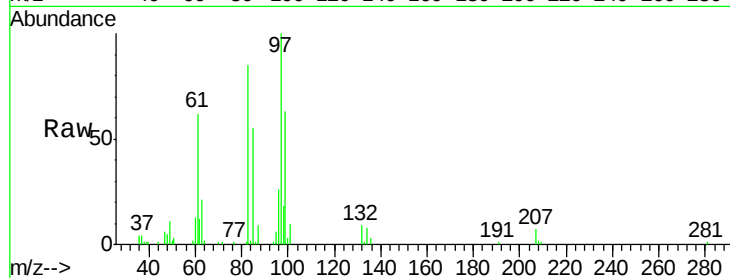




#55
 1,1,2-Trichloroethane
 Concen: 19.278 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

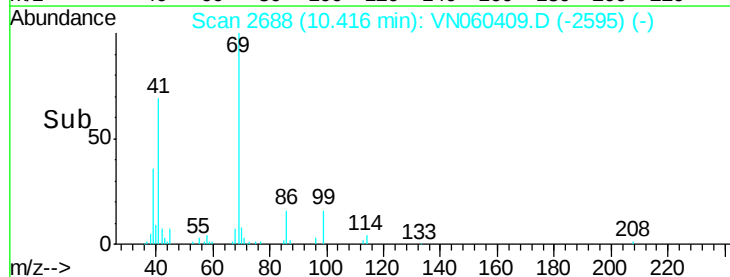
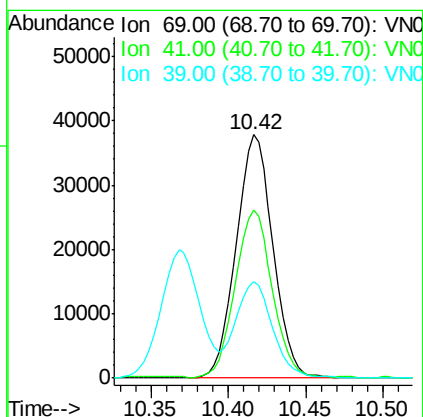
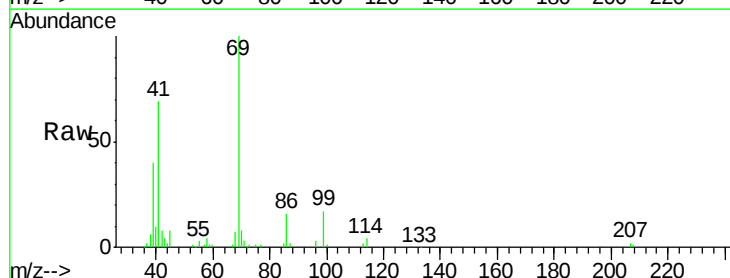
Instrument :
 MSVOA_N
 ClientSampled :
 VN0310WBSD01

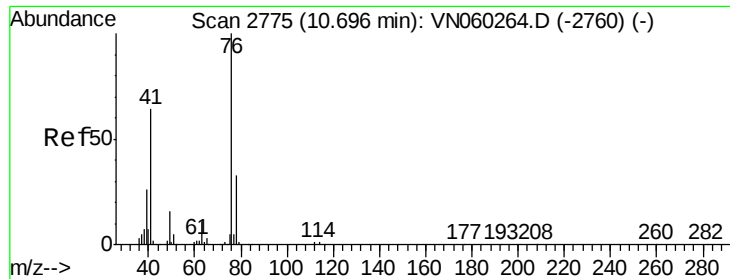
Tgt Ion: 97 Resp: 43234
 Ion Ratio Lower Upper
 97 100
 83 85.4 70.0 105.0
 85 54.7 44.0 66.0
 99 63.2 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 19.382 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 69 Resp: 62449
 Ion Ratio Lower Upper
 69 100
 41 68.5 54.1 81.1
 39 40.4 32.5 48.7





#57

1,3-Dichloropropane

Concen: 19.280 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

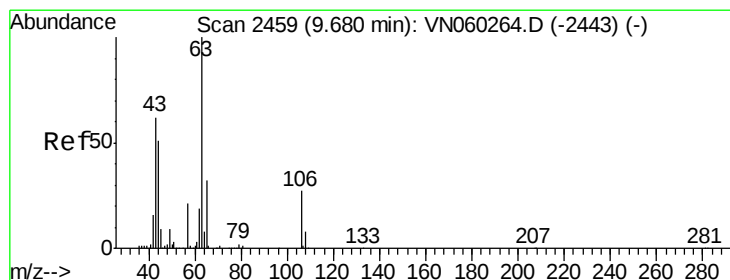
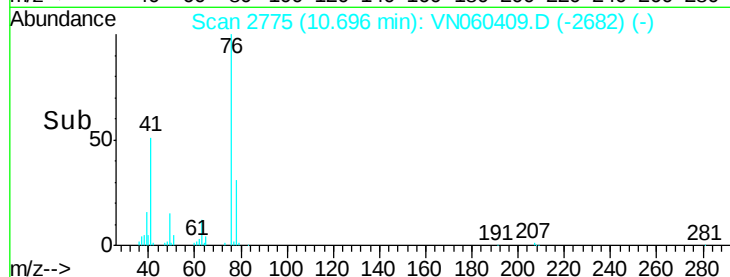
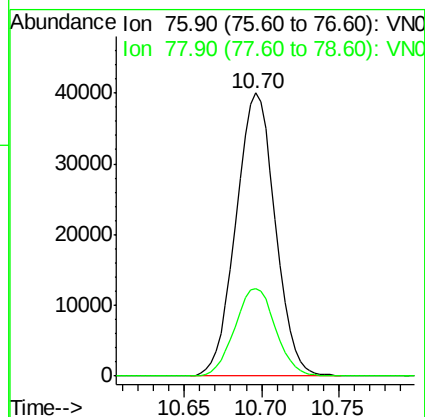
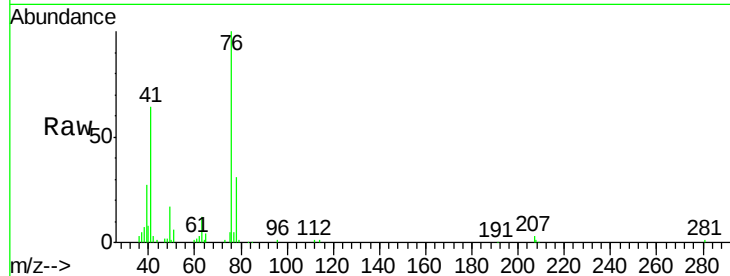
VN0310WBSD01

Tgt Ion: 76 Resp: 70516

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 93.123 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060409.D

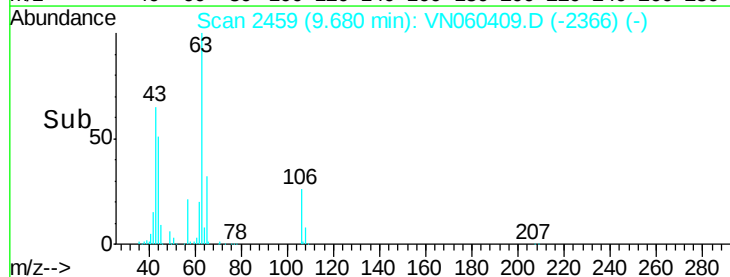
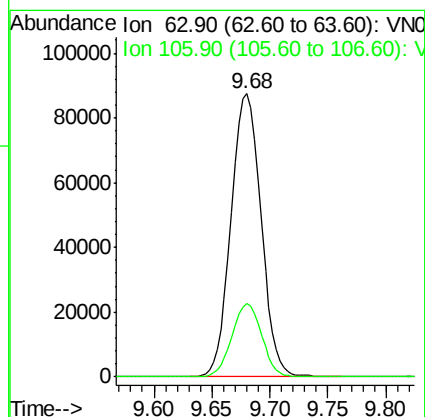
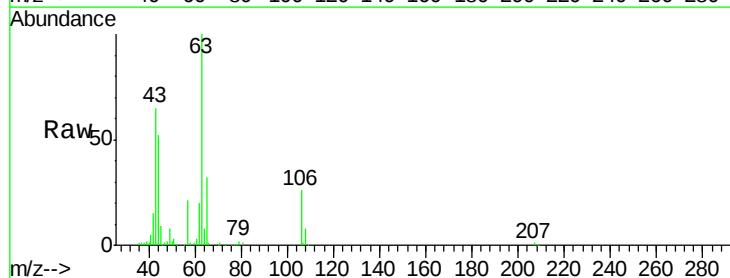
Acq: 10 Mar 2020 12:22

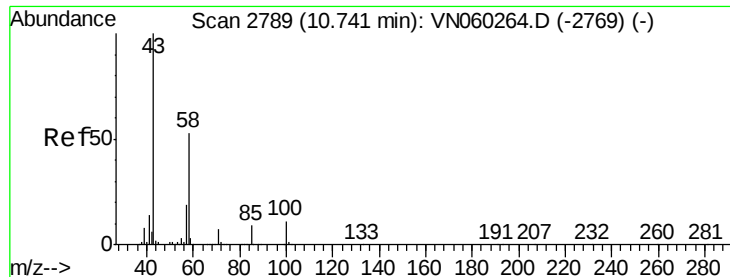
Tgt Ion: 63 Resp: 156922

Ion Ratio Lower Upper

63 100

106 25.7 21.1 31.7

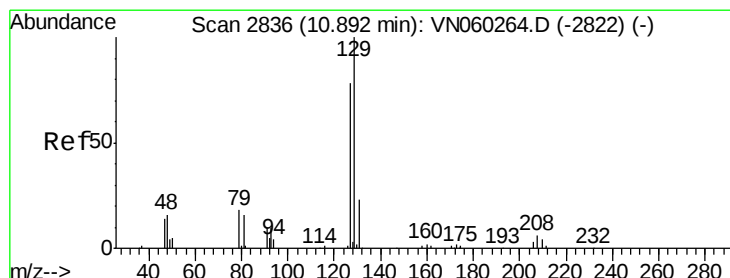
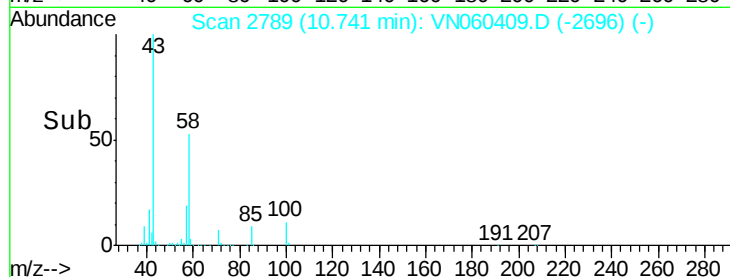
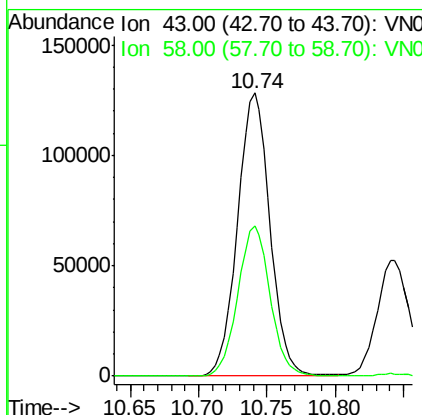
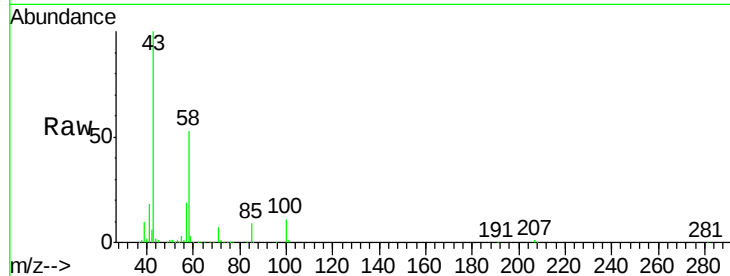




#59
2-Hexanone
Concen: 100.687 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

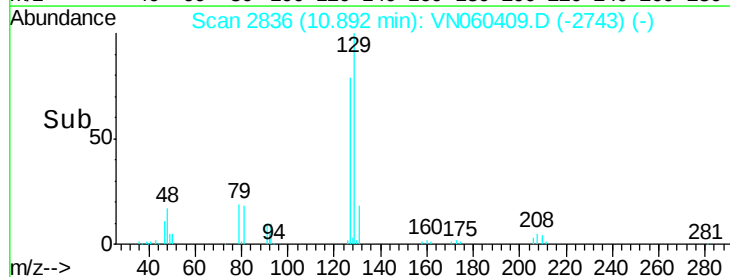
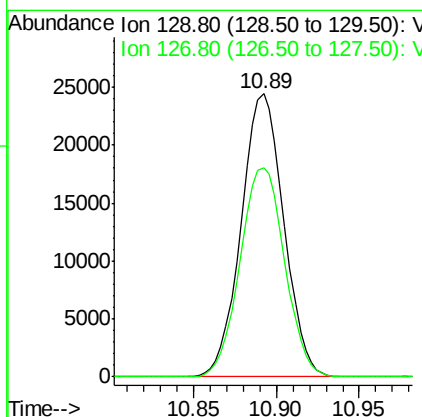
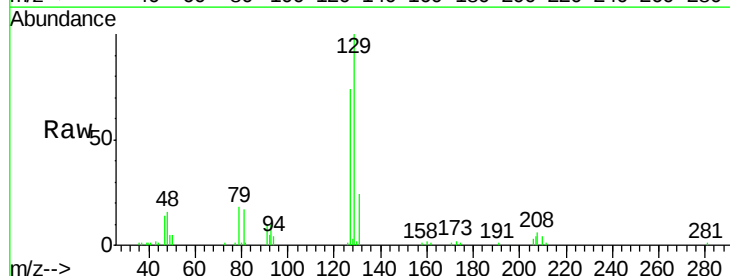
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

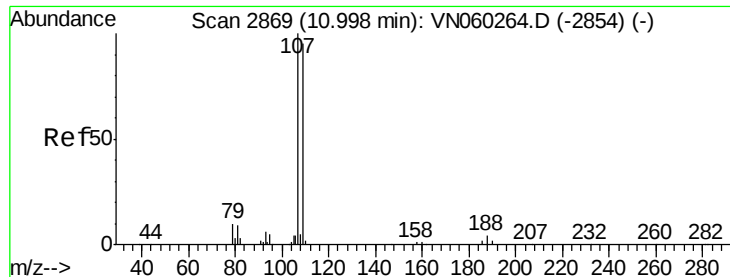
Tgt Ion: 43 Resp: 211936
Ion Ratio Lower Upper
43 100
58 52.9 26.5 79.5



#60
Dibromochloromethane
Concen: 19.096 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 129 Resp: 43553
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

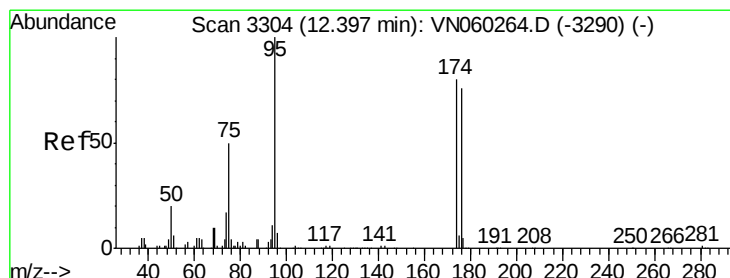
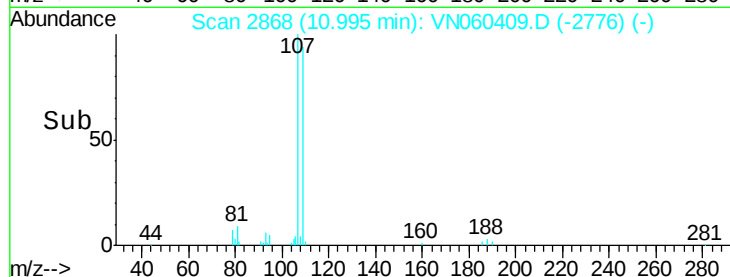
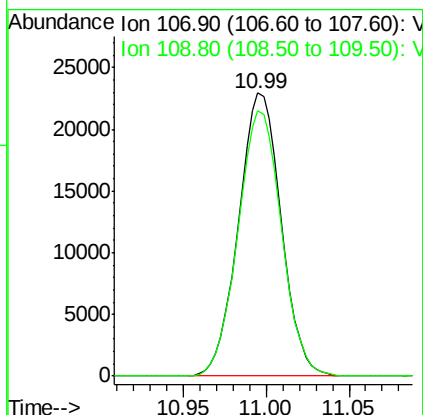
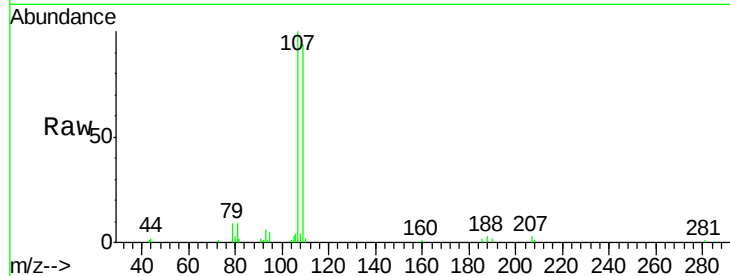




#61
 1,2-Dibromoethane
 Concen: 18.792 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

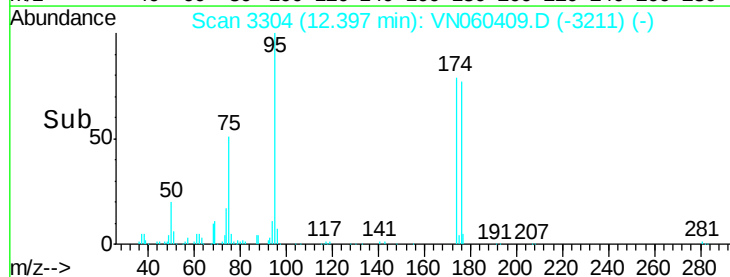
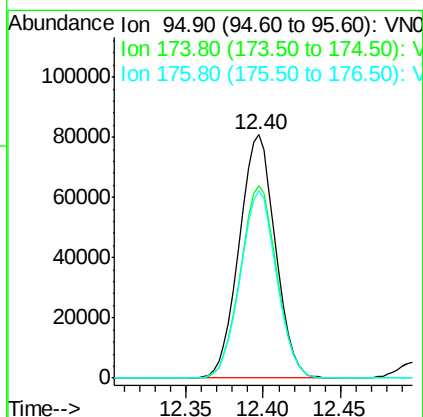
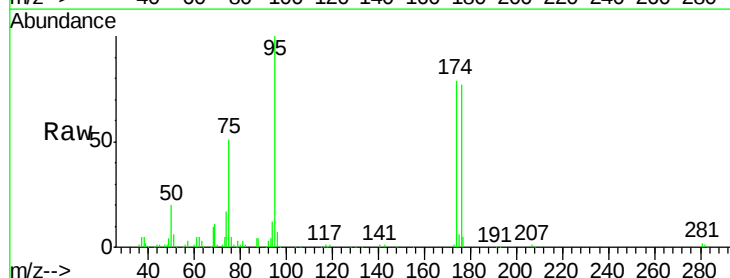
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

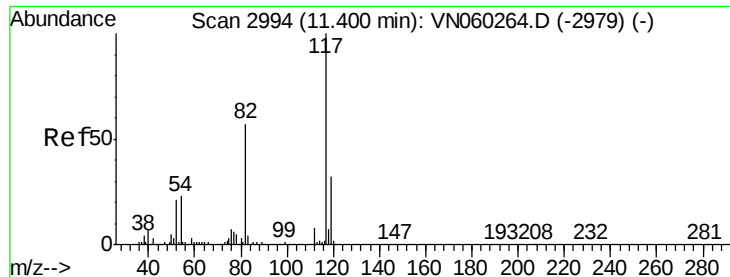
Tgt Ion: 107 Resp: 41083
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 46.130 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion: 95 Resp: 131477
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 159.2
 176 77.3 0.0 153.8

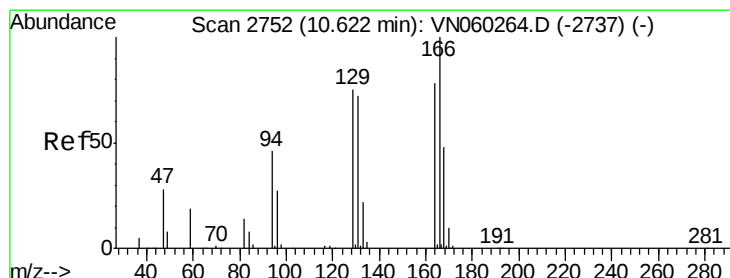
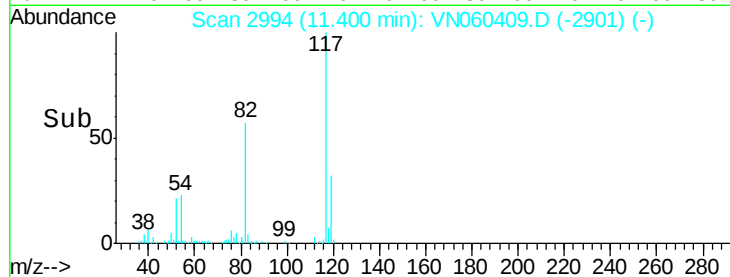
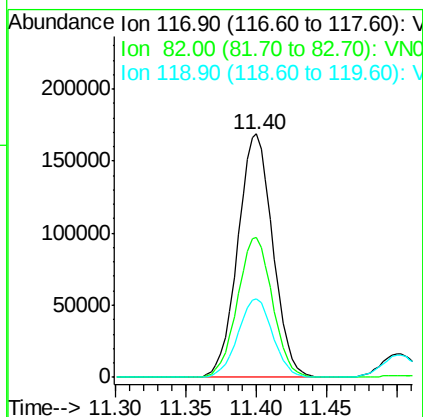
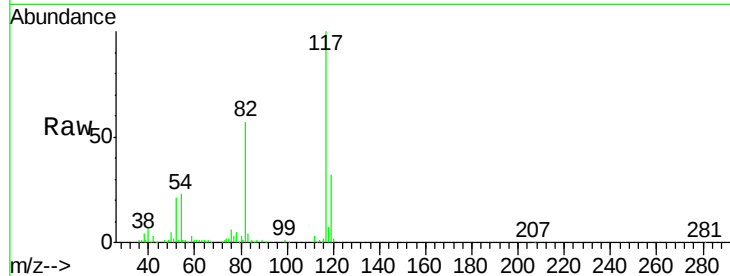




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

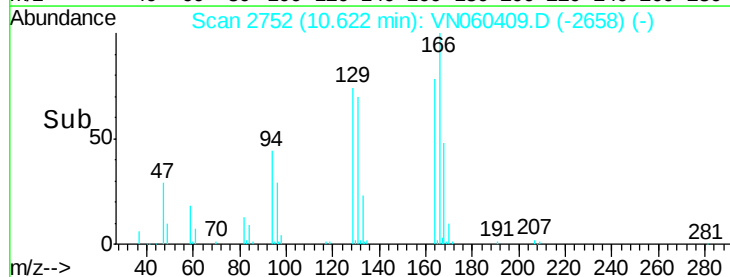
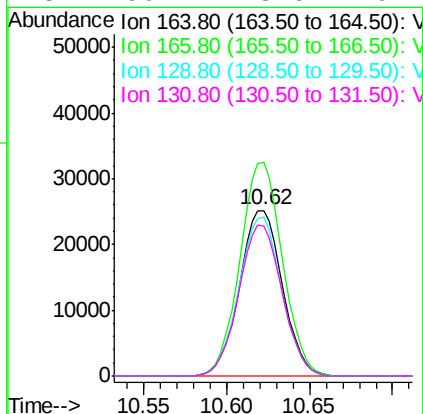
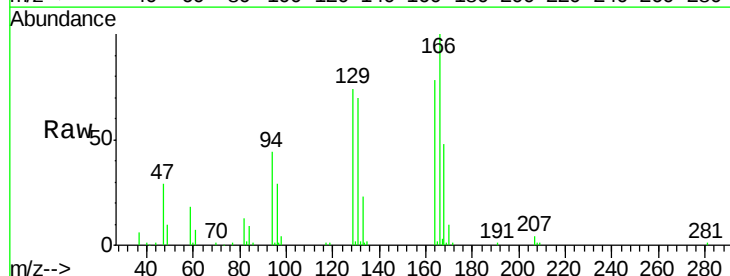
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

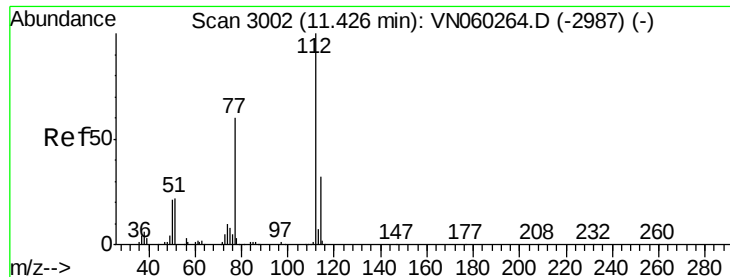
Tgt Ion:117 Resp: 293186
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.6
119 32.4 25.8 38.8



#64
Tetrachloroethene
Concen: 18.634 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion:164 Resp: 45062
Ion Ratio Lower Upper
164 100
166 128.8 102.0 153.0
129 95.4 76.4 114.6
131 90.7 73.6 110.4





#65

Chlorobenzene

Concen: 17.825 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

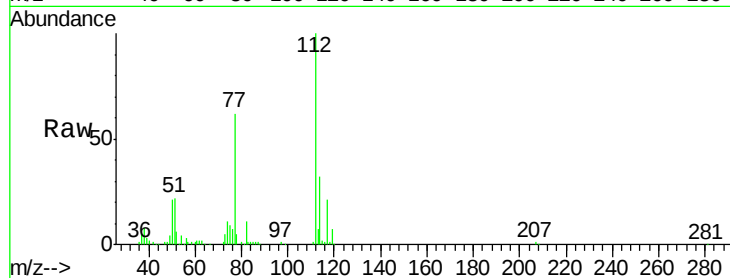
VN0310WBSD01

Tgt Ion:112 Resp: 105526

Ion Ratio Lower Upper

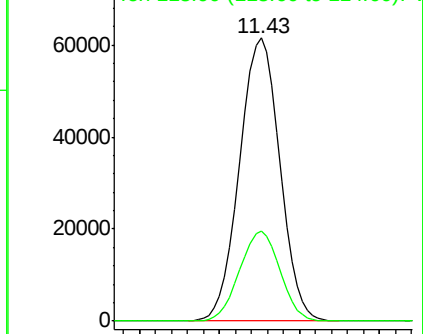
112 100

114 31.7 25.4 38.0

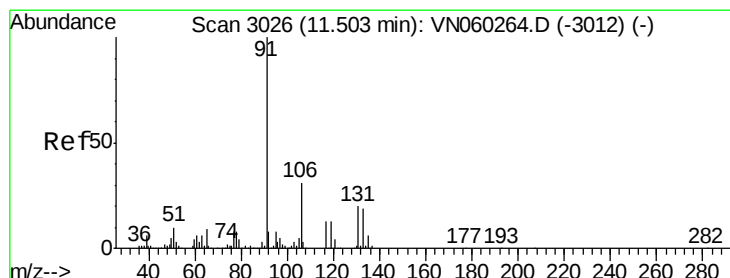
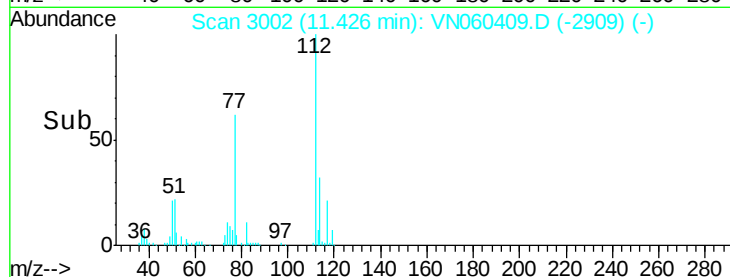


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 18.491 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

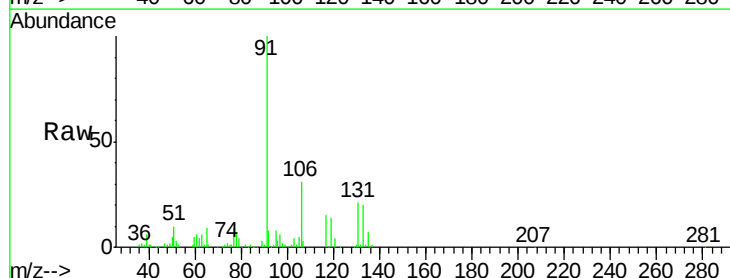
Tgt Ion:131 Resp: 40477

Ion Ratio Lower Upper

131 100

133 96.3 47.7 143.1

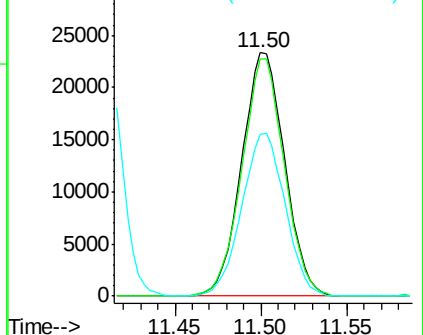
119 67.5 33.2 99.6



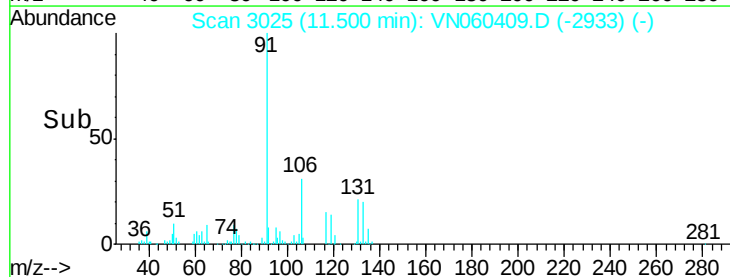
Abundance Ion 130.80 (130.50 to 131.50): V

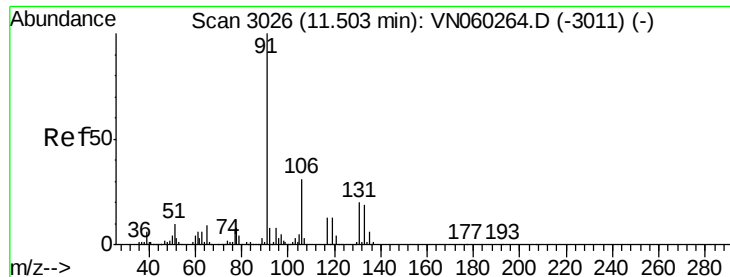
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 18.042 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

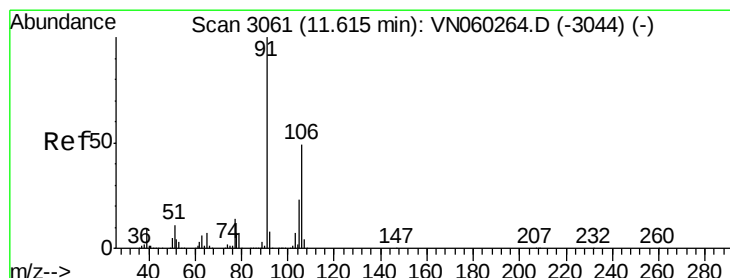
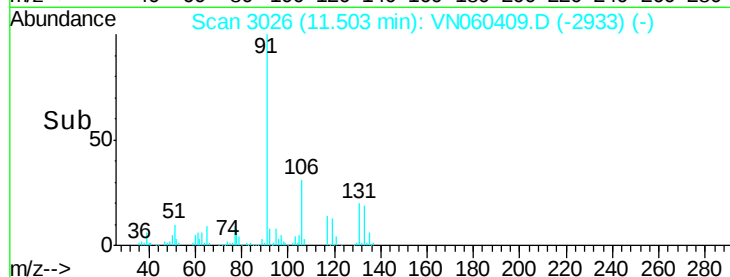
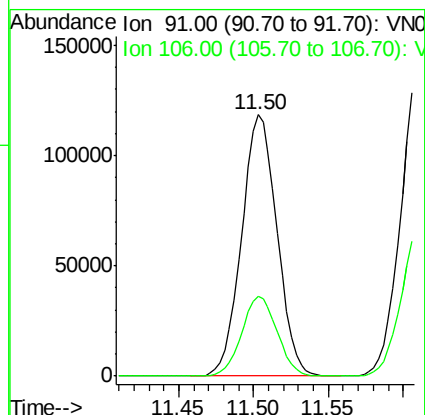
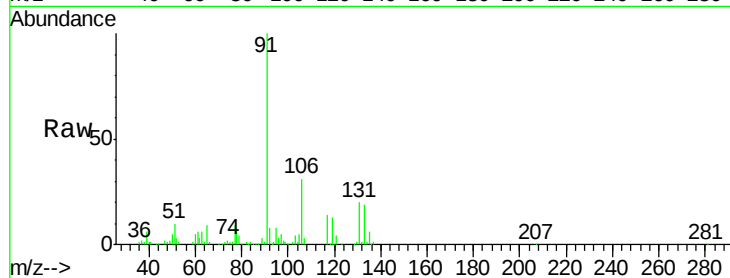
VN0310WBSD01

Tgt Ion: 91 Resp: 194512

Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



#68

m/p-Xylenes

Concen: 34.972 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060409.D

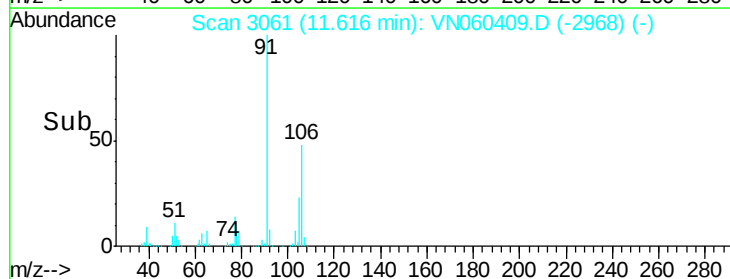
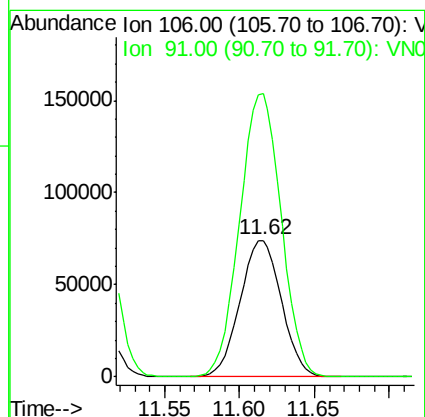
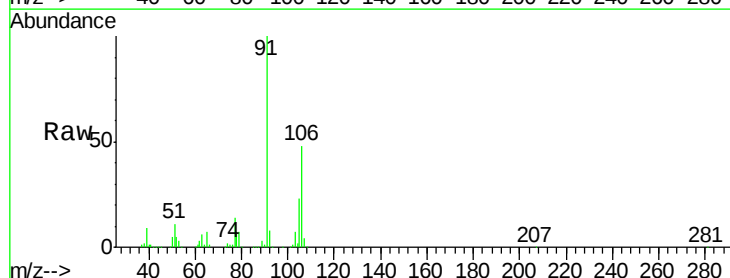
Acq: 10 Mar 2020 12:22

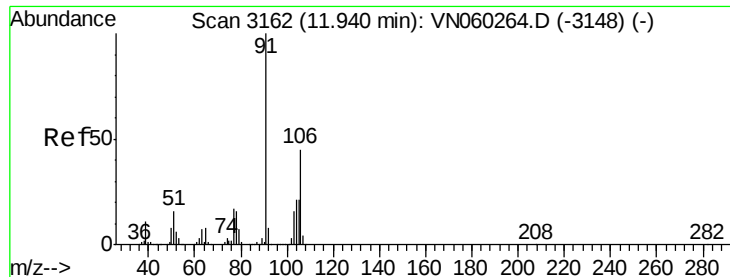
Tgt Ion: 106 Resp: 142254

Ion Ratio Lower Upper

106 100

91 208.8 164.5 246.7

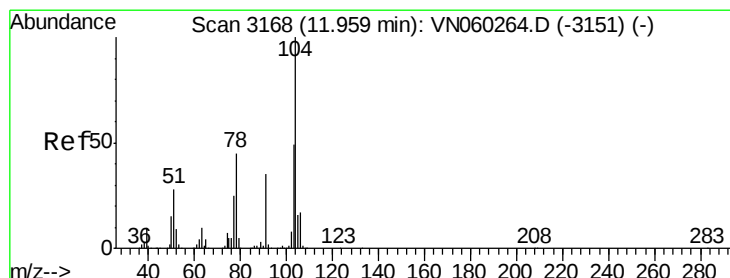
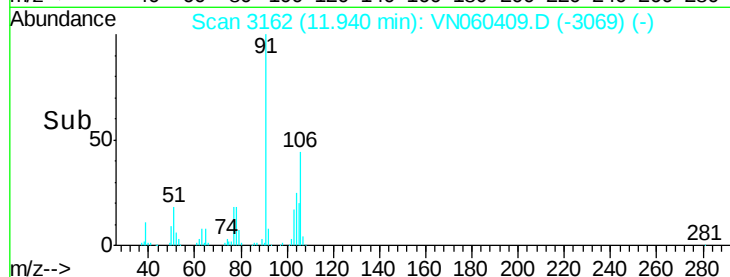
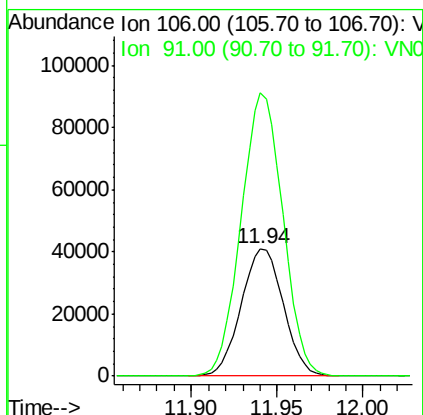
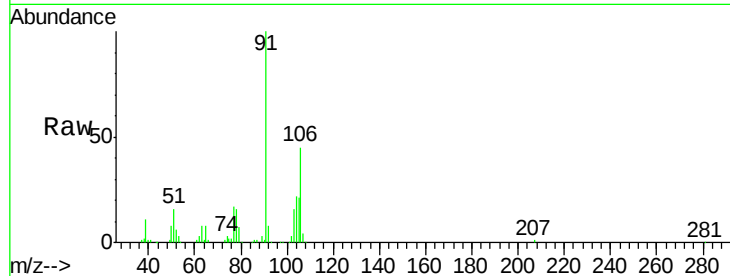




#69
o-Xylene
Concen: 17.967 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

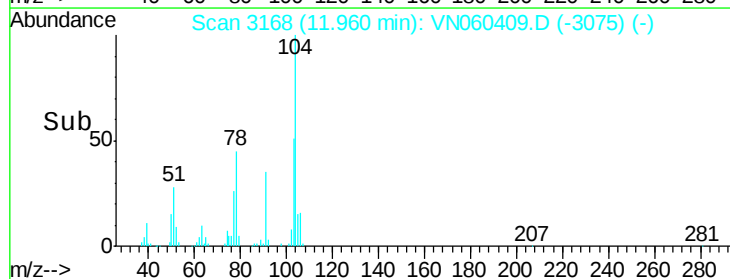
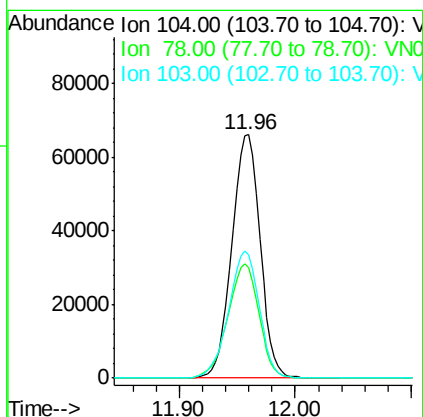
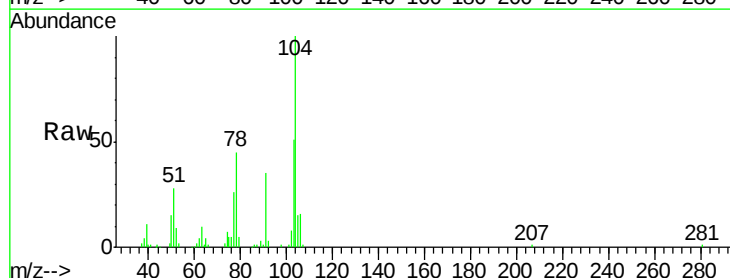
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

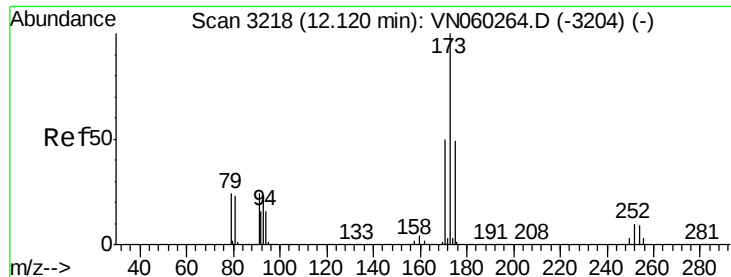
Tgt Ion:106 Resp: 69691
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4



#70
Styrene
Concen: 17.494 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion:104 Resp: 111562
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 56.4 43.9 65.9





#71

Bromoform

Concen: 18.850 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

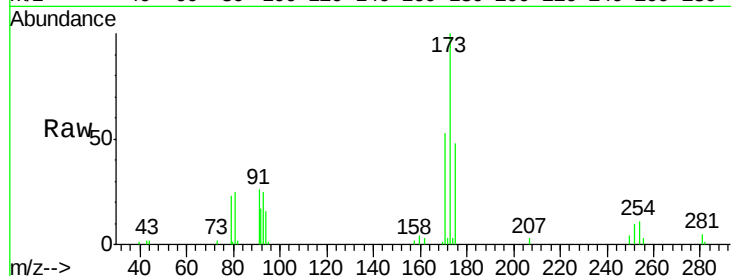
Tgt Ion:173 Resp: 29738

Ion Ratio Lower Upper

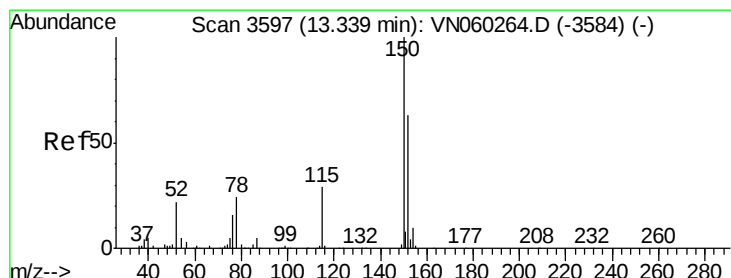
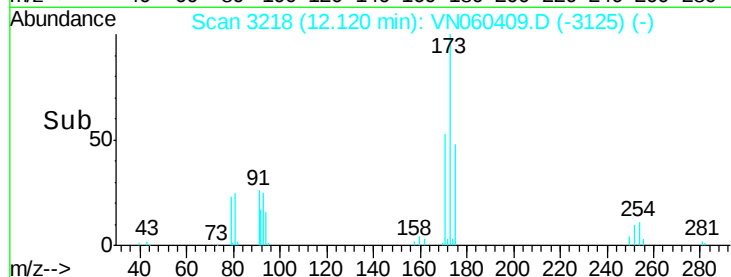
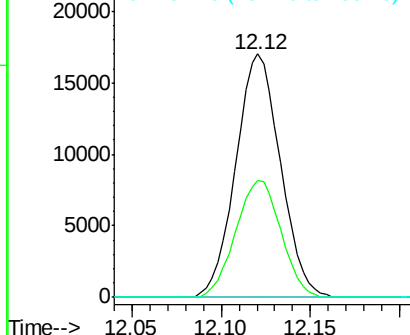
173 100

175 48.7 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

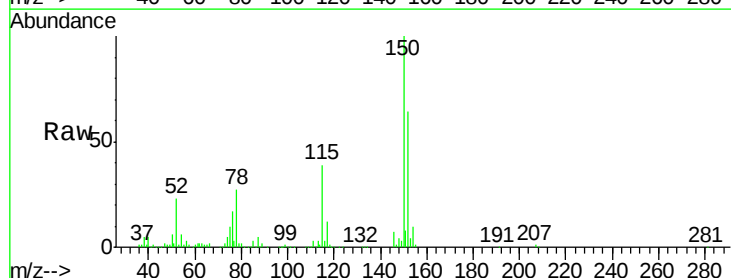
Tgt Ion:152 Resp: 140404

Ion Ratio Lower Upper

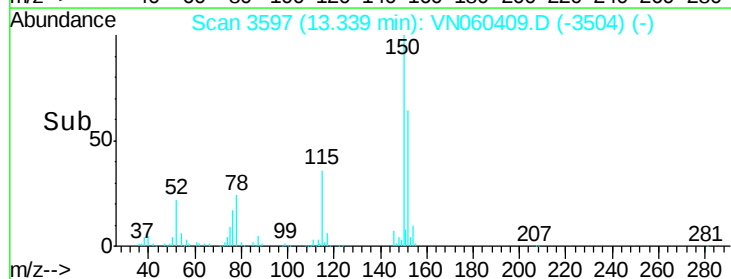
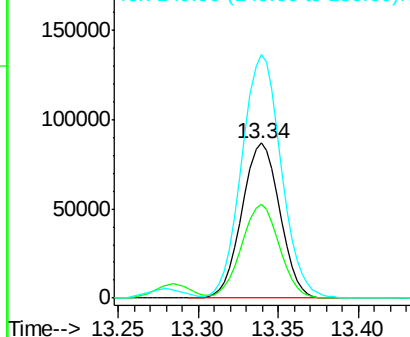
152 100

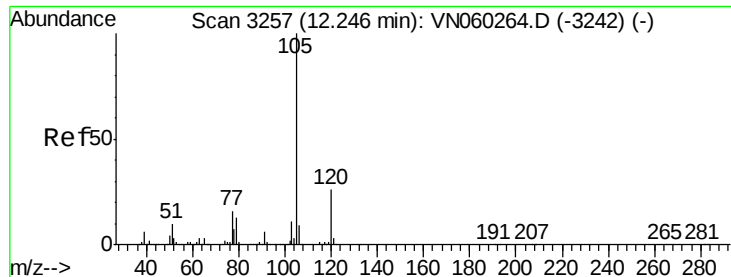
115 60.1 30.0 90.0

150 163.9 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.116 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

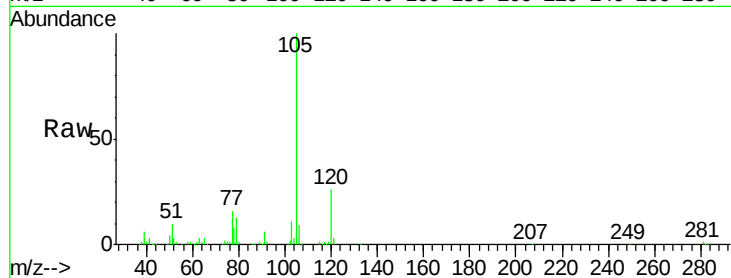
VN0310WBSD01

Tgt Ion: 105 Resp: 188526

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

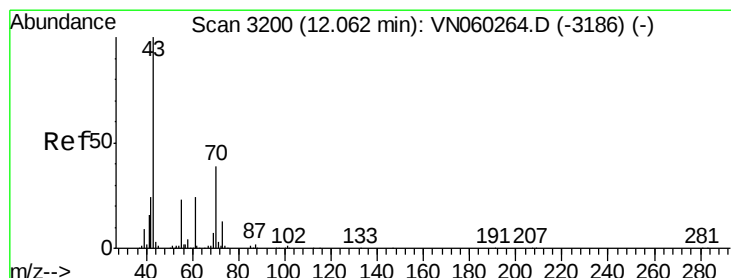
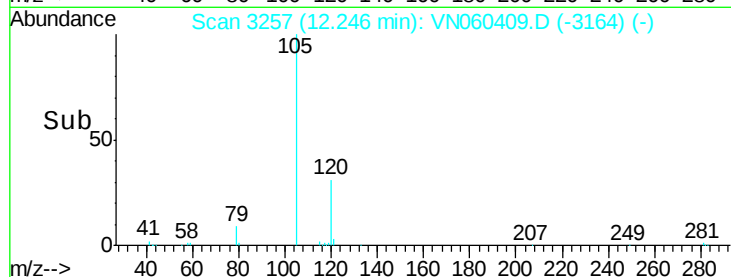
12.25

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 18.779 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion: 43 Resp: 85396

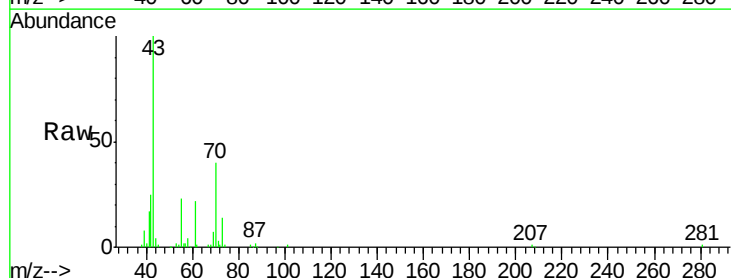
Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.2

55 23.3 18.2 27.4

61 23.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.06

80000

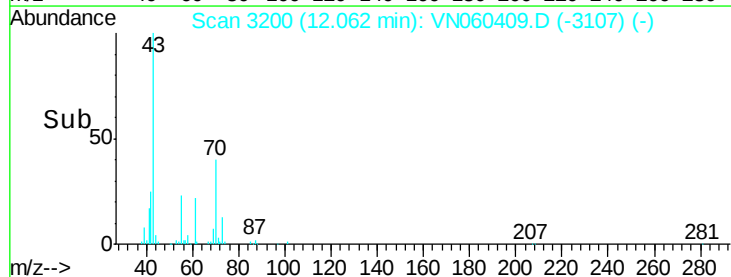
60000

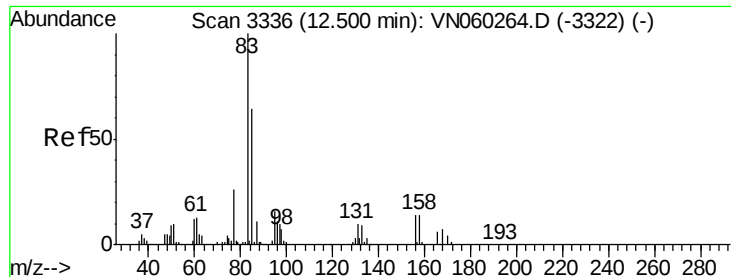
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.152 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

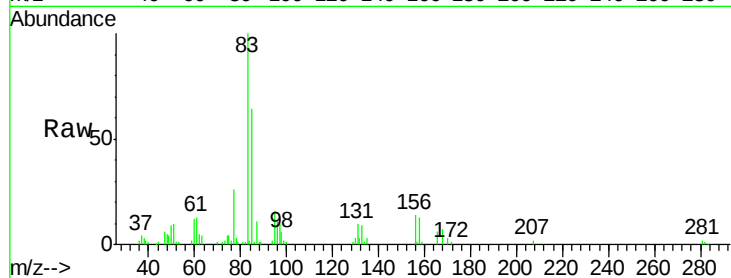
Tgt Ion: 83 Resp: 57005

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

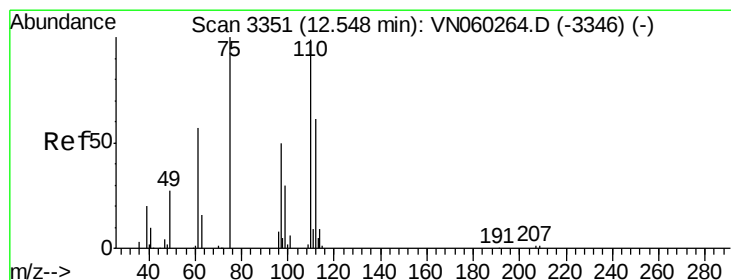
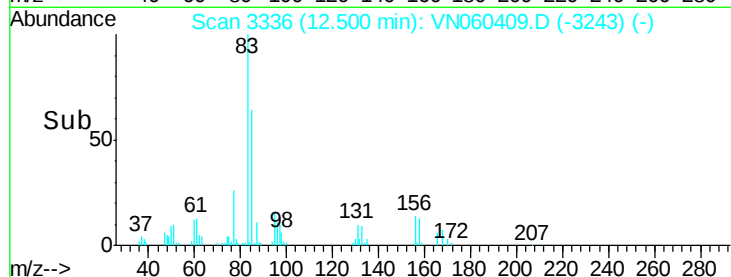
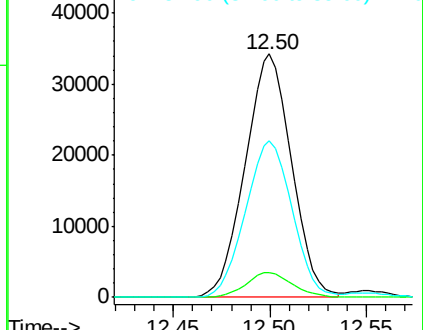
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060409.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060409.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060409.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 26.122 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060409.D

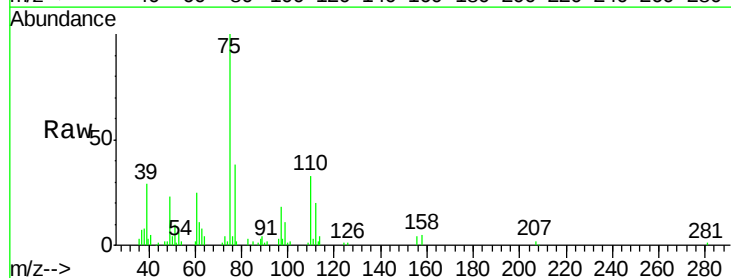
Acq: 10 Mar 2020 12:22

Tgt Ion: 75 Resp: 80467

Ion Ratio Lower Upper

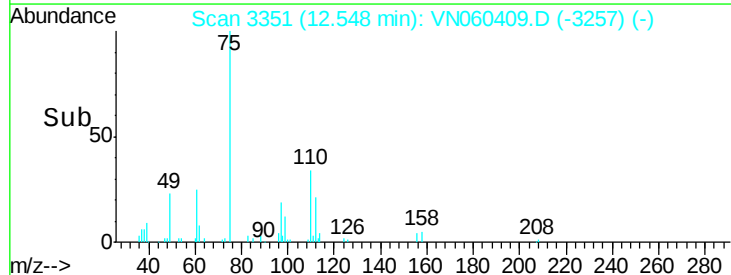
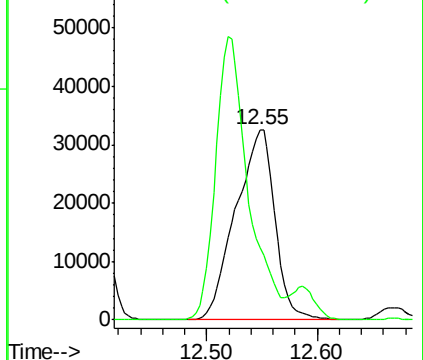
75 100

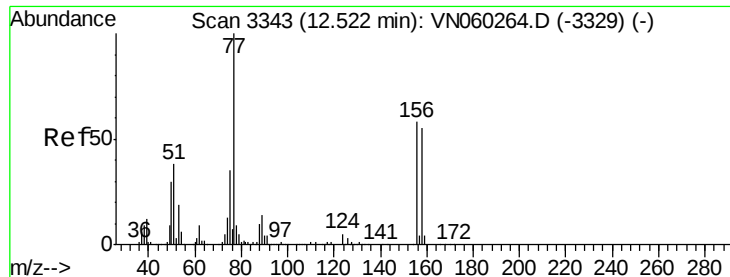
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060409.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060409.D (-3257) (-)





#77

Bromobenzene

Concen: 17.984 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

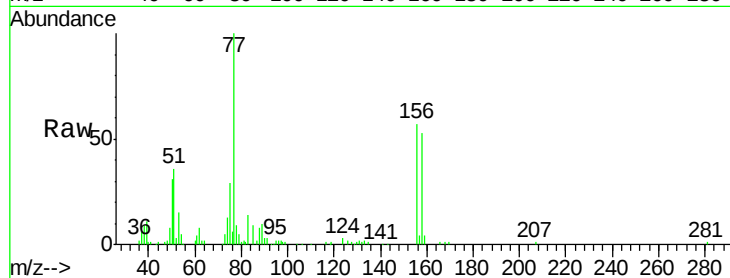
Tgt Ion:156 Resp: 45875

Ion Ratio Lower Upper

156 100

77 216.7 106.1 318.3

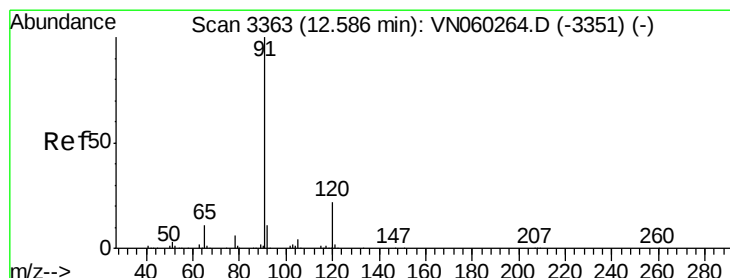
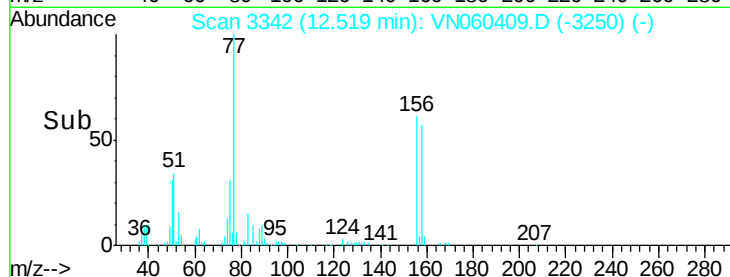
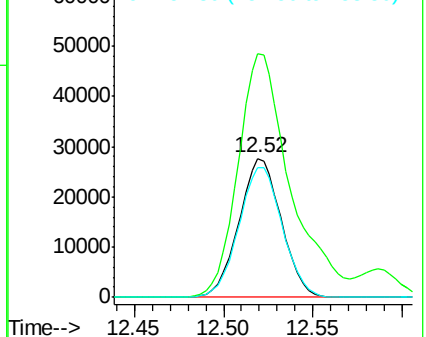
158 96.0 48.3 144.8



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: 17.870 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060409.D

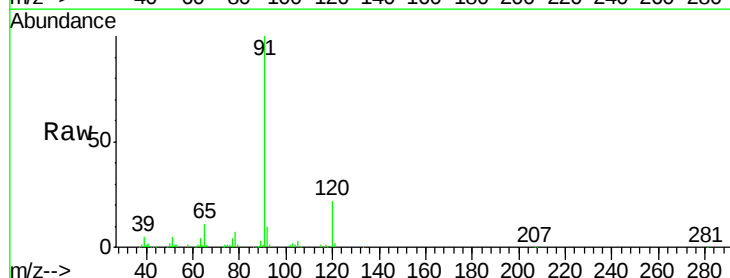
Acq: 10 Mar 2020 12:22

Tgt Ion: 91 Resp: 217987

Ion Ratio Lower Upper

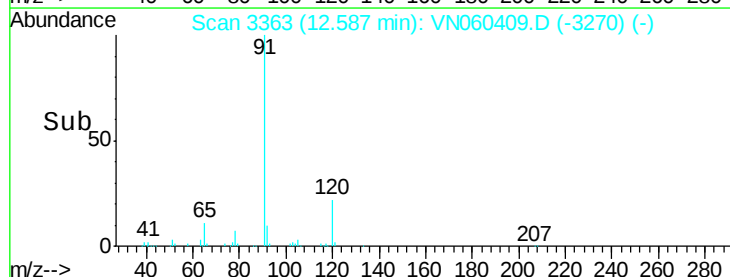
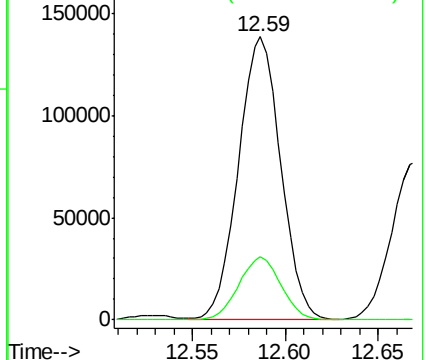
91 100

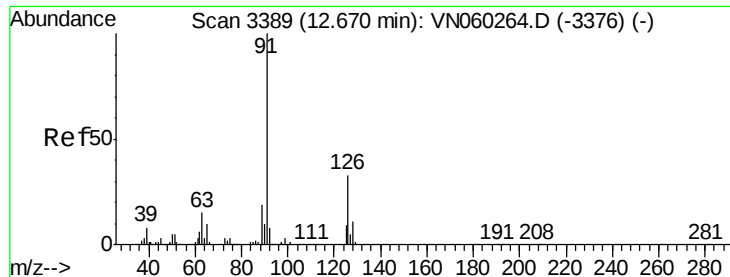
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.060 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

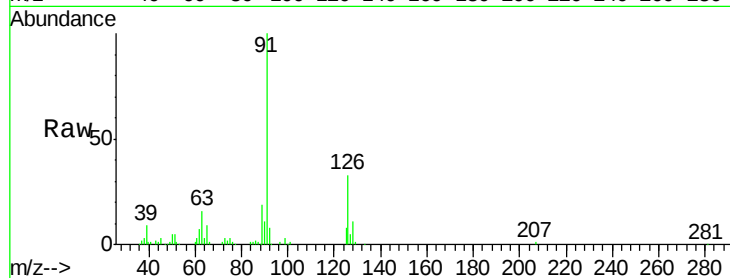
VN0310WBSD01

Tgt Ion: 91 Resp: 129501

Ion Ratio Lower Upper

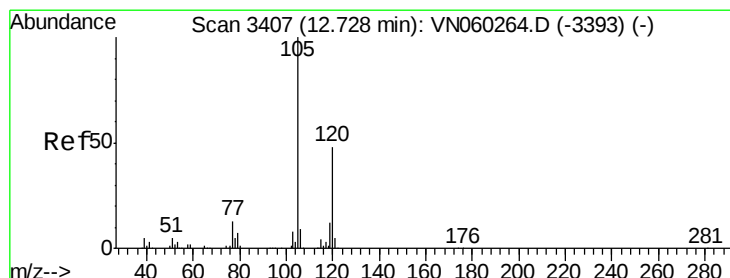
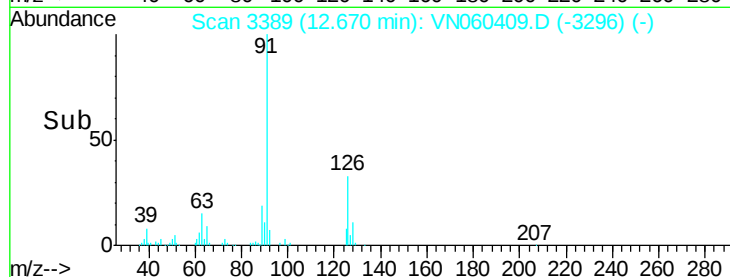
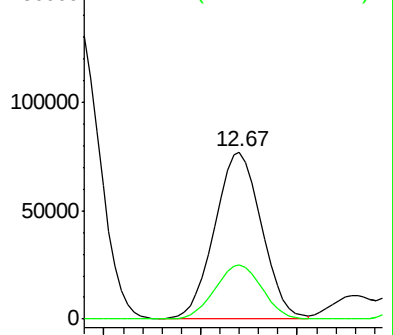
91 100

126 32.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060409.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060409.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.927 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060409.D

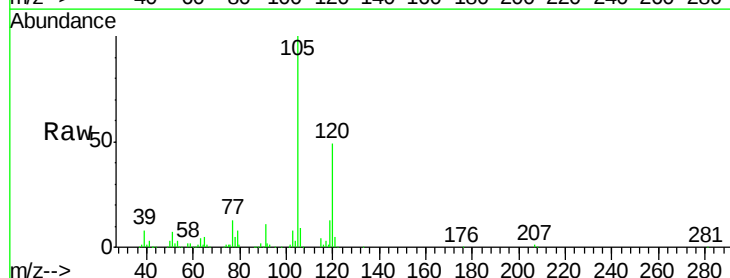
Acq: 10 Mar 2020 12:22

Tgt Ion: 105 Resp: 157070

Ion Ratio Lower Upper

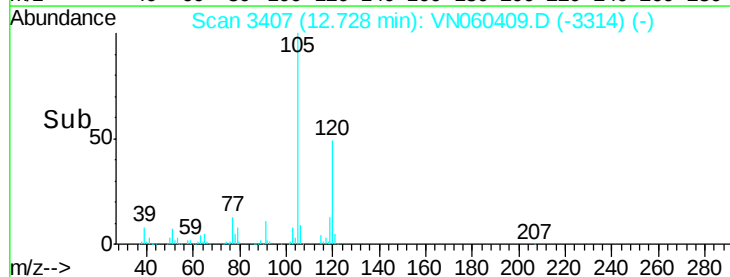
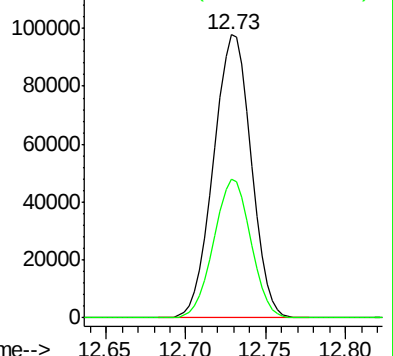
105 100

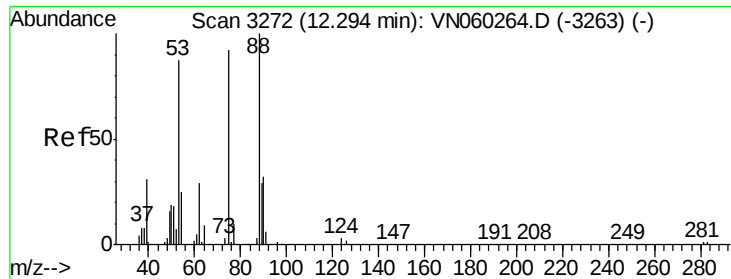
120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060409.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060409.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.501 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

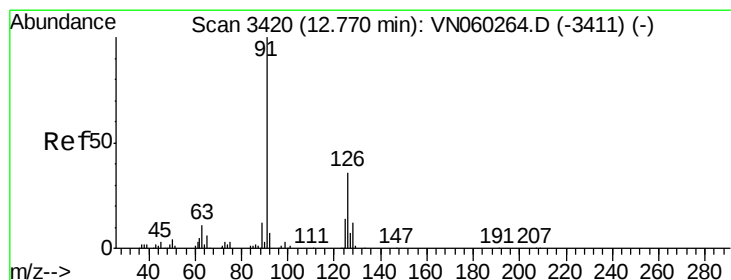
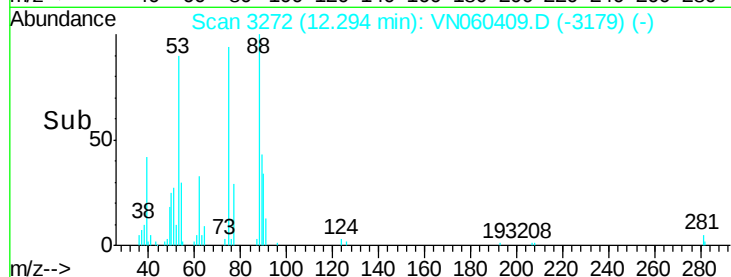
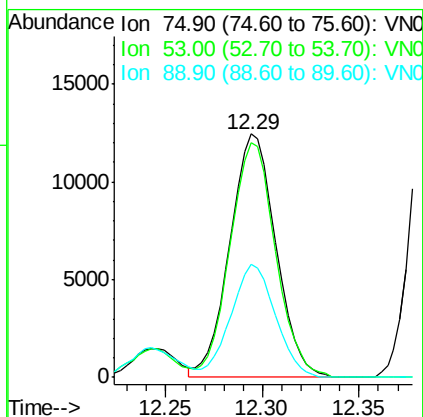
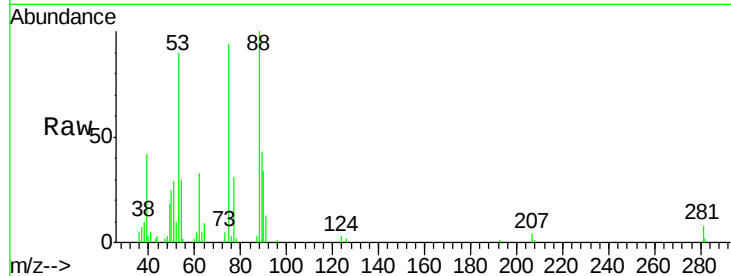
Tgt Ion: 75 Resp: 20646

Ion Ratio Lower Upper

75 100

53 95.2 73.8 110.6

89 45.2 57.1 85.7#



#82

4-Chlorotoluene

Concen: 17.806 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060409.D

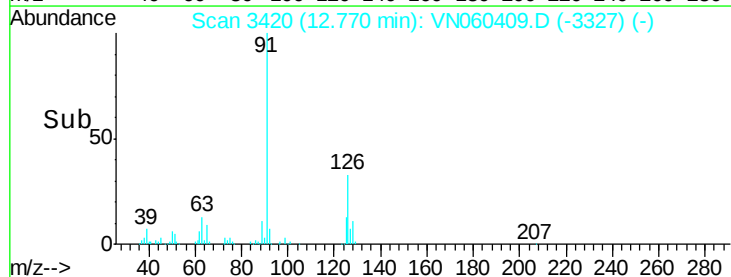
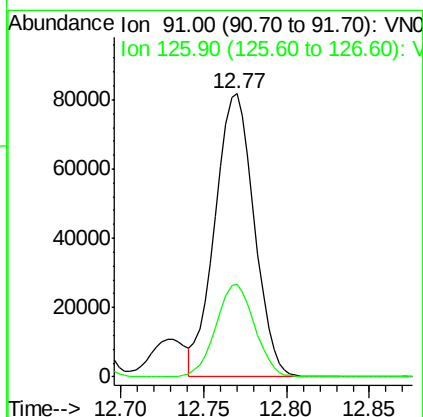
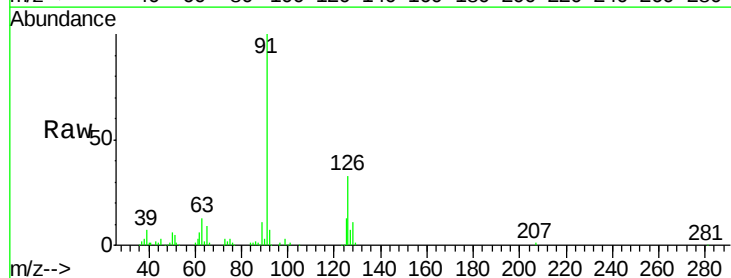
Acq: 10 Mar 2020 12:22

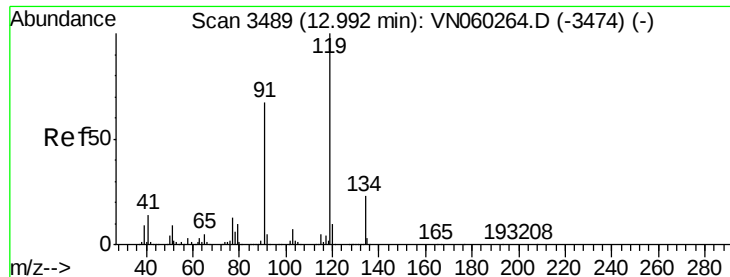
Tgt Ion: 91 Resp: 134522

Ion Ratio Lower Upper

91 100

126 32.3 16.7 50.1





#83

tert-Butylbenzene

Concen: 17.476 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

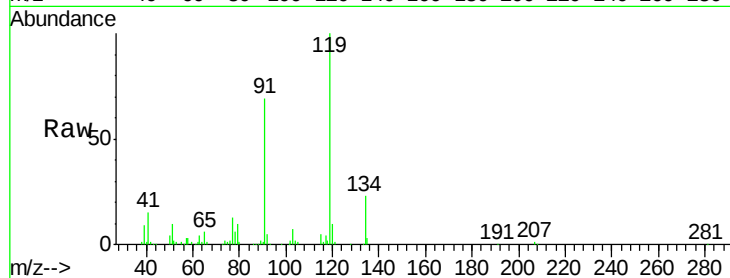
Tgt Ion:119 Resp: 132572

Ion Ratio Lower Upper

119 100

91 68.4 33.1 99.2

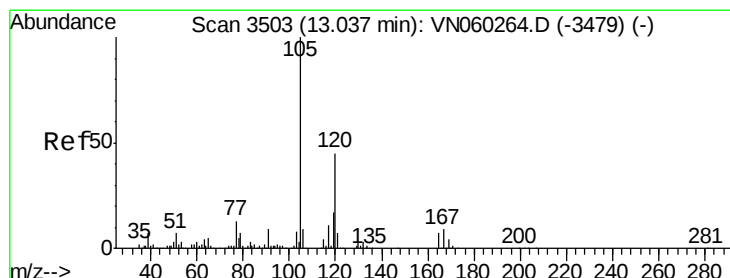
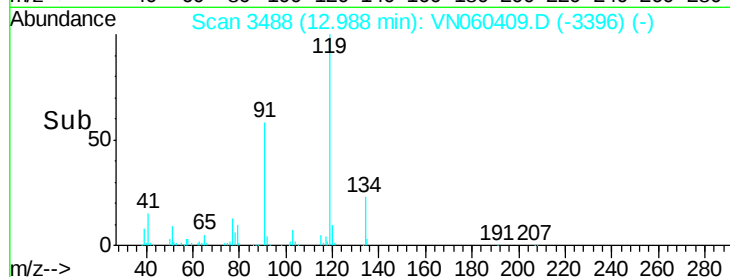
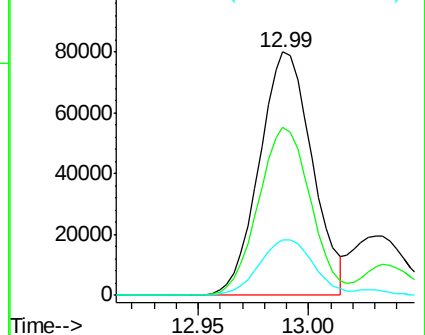
134 23.7 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.792 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060409.D

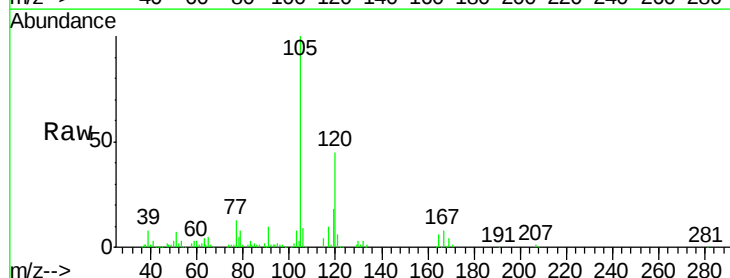
Acq: 10 Mar 2020 12:22

Tgt Ion:105 Resp: 157347

Ion Ratio Lower Upper

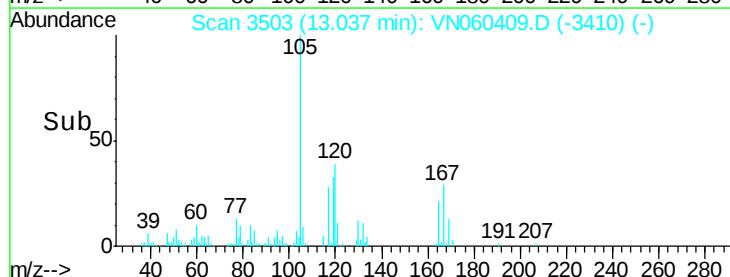
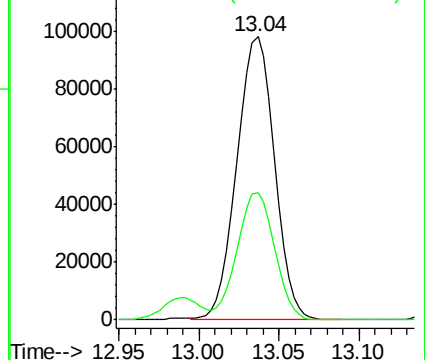
105 100

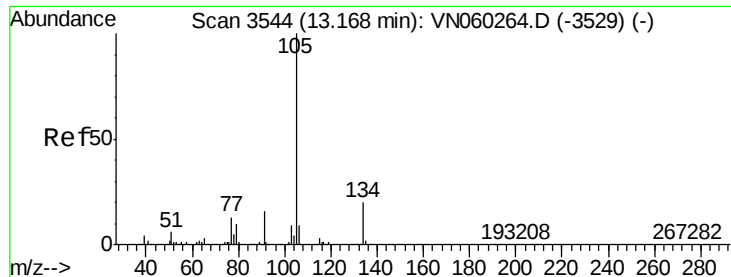
120 44.8 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.681 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

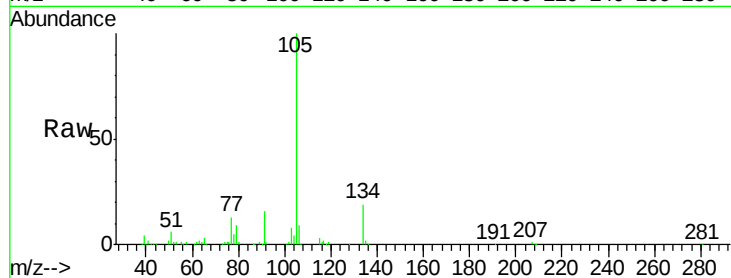
VN0310WBSD01

Tgt Ion:105 Resp: 179617

Ion Ratio Lower Upper

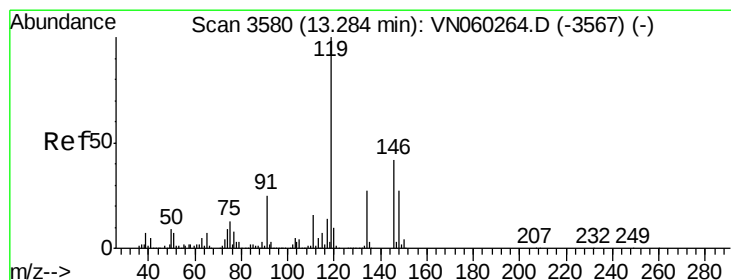
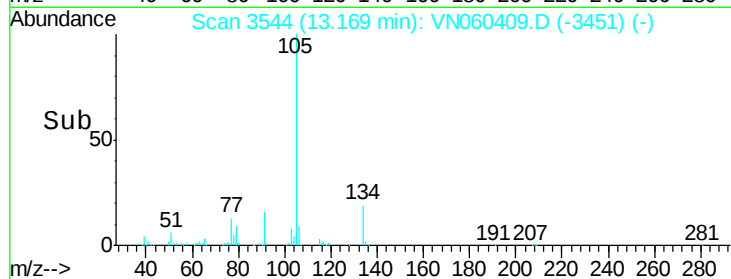
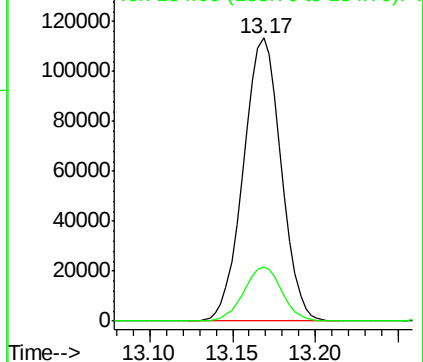
105 100

134 19.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.143 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

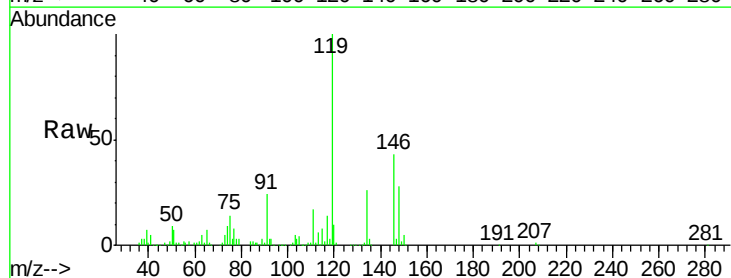
Tgt Ion:119 Resp: 161186

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.6

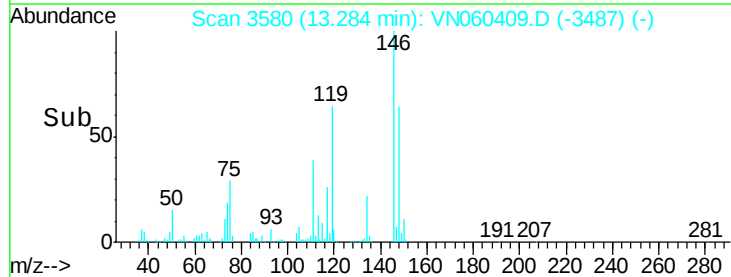
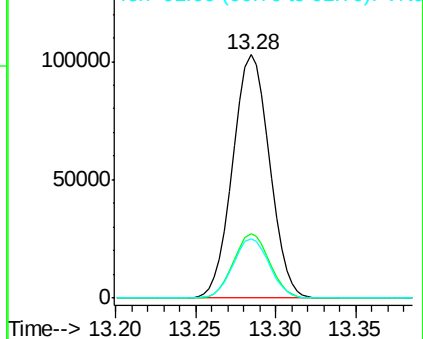
91 24.2 12.2 36.6

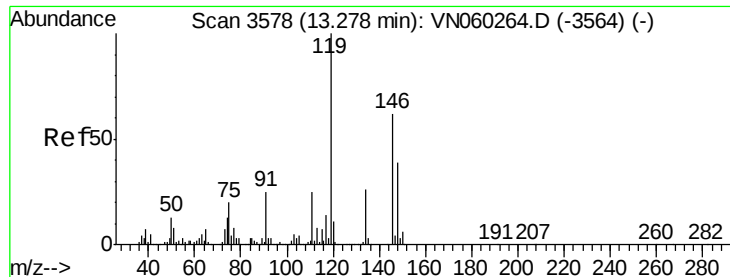


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

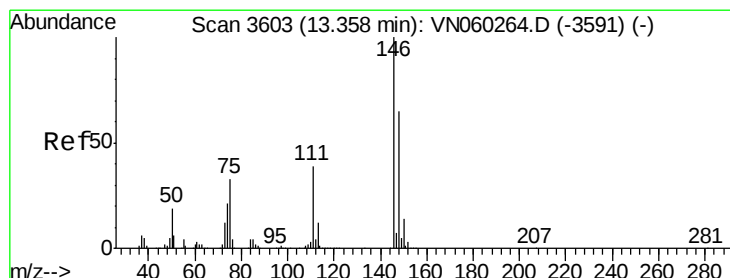
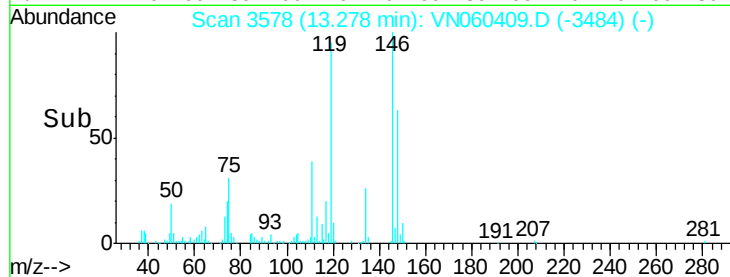
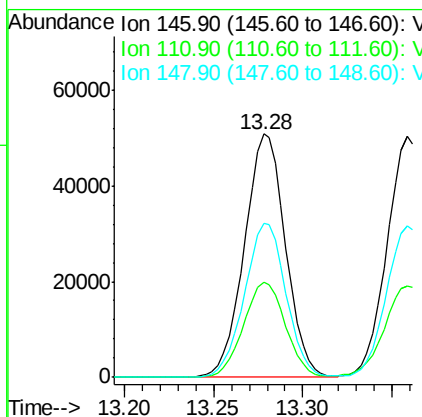
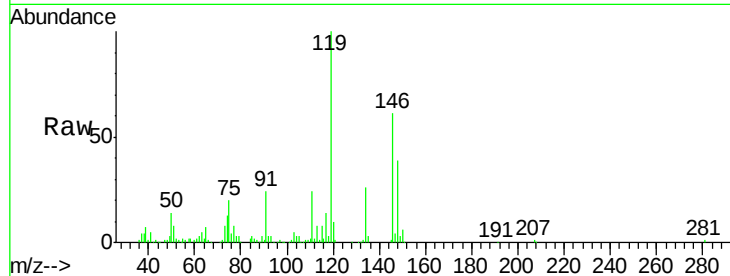




#87
 1,3-Dichlorobenzene
 Concen: 18.501 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

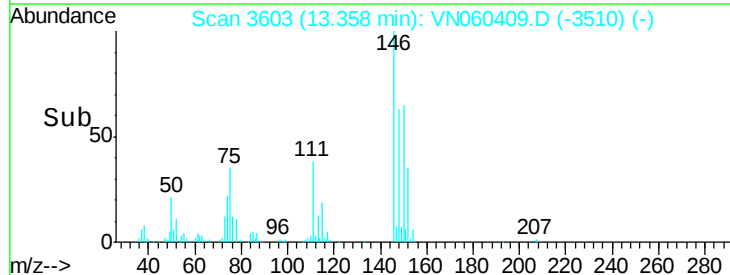
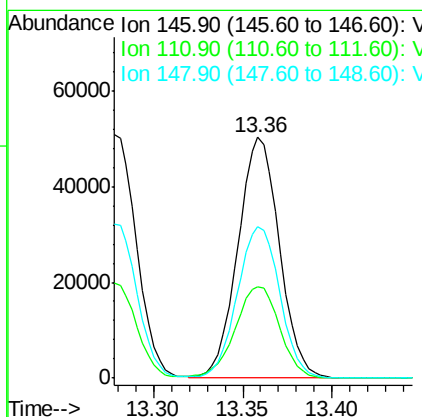
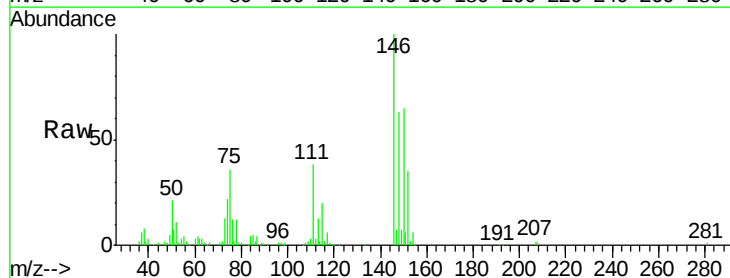
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

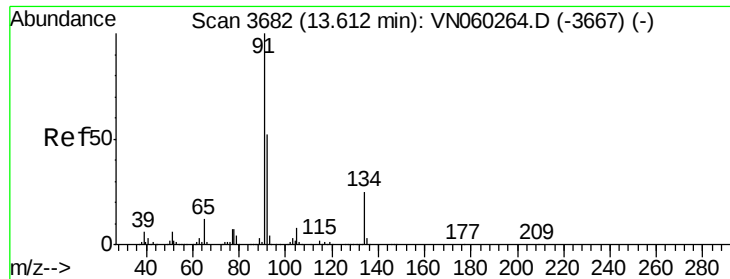
Tgt Ion:146 Resp: 81621
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.498 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion:146 Resp: 81566
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.8 59.4
 148 64.4 32.3 96.9

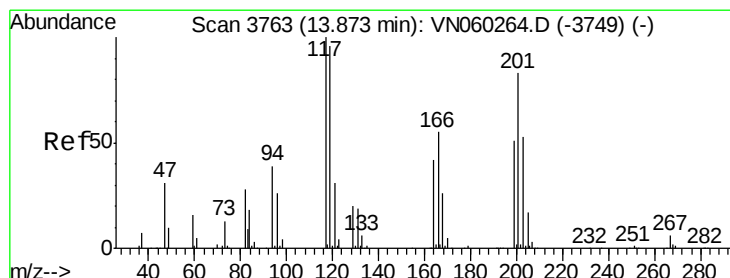
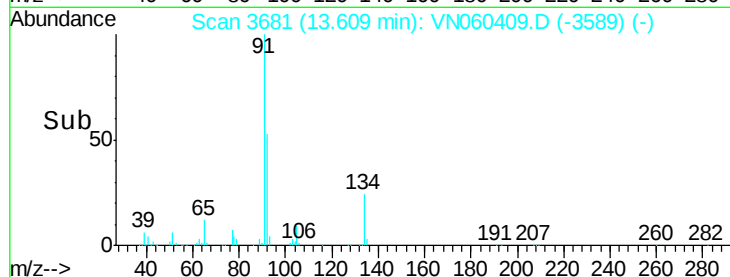
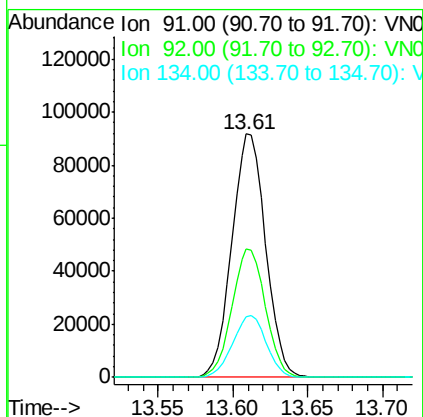
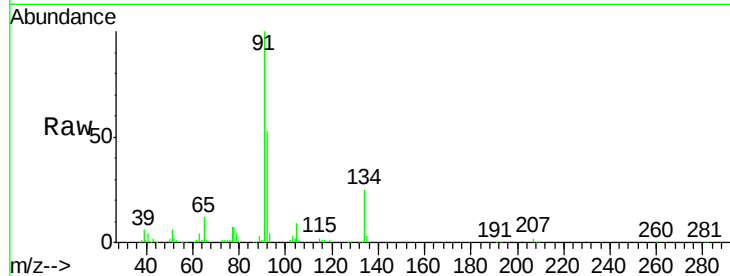




#89
n-Butylbenzene
Concen: 16.699 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

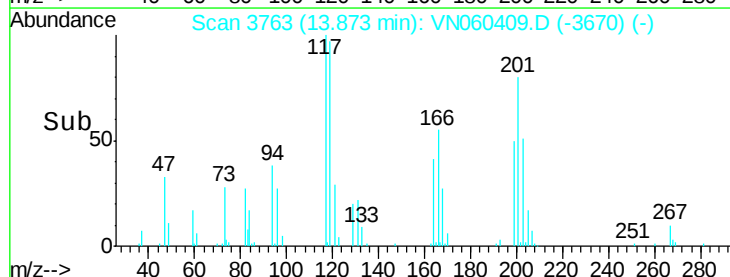
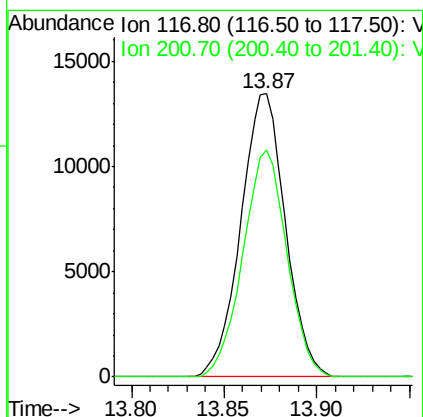
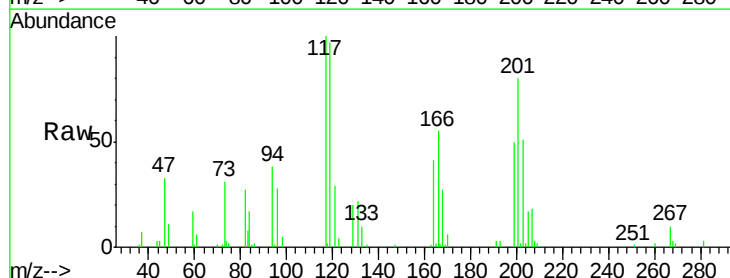
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

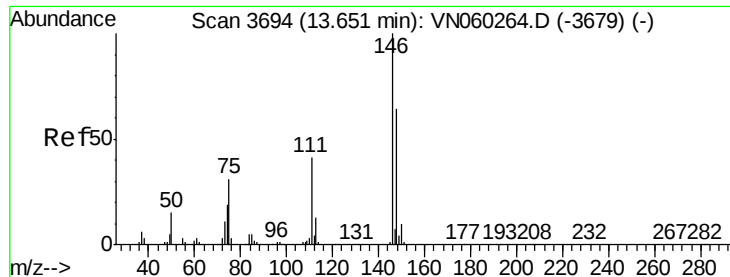
Tgt Ion: 91 Resp: 144128
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 25.3 12.7 38.1



#90
Hexachloroethane
Concen: 16.577 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 117 Resp: 22560
Ion Ratio Lower Upper
117 100
201 78.9 41.0 123.0

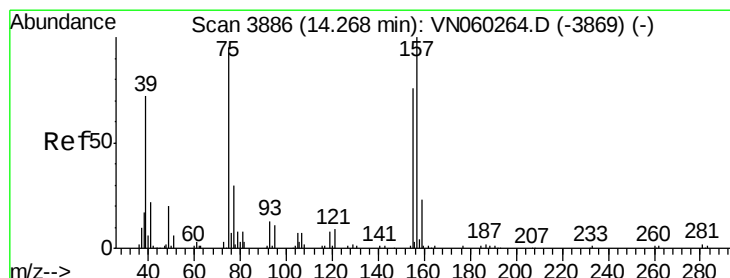
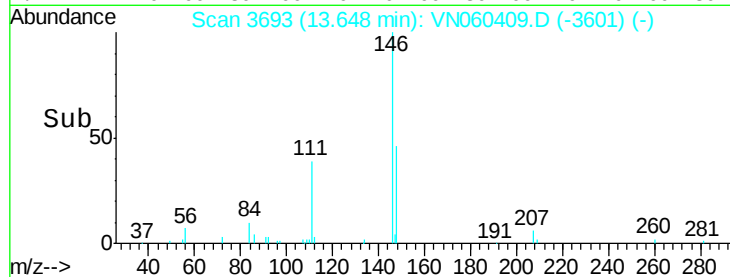
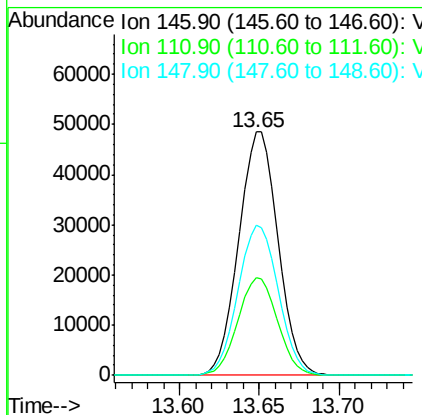
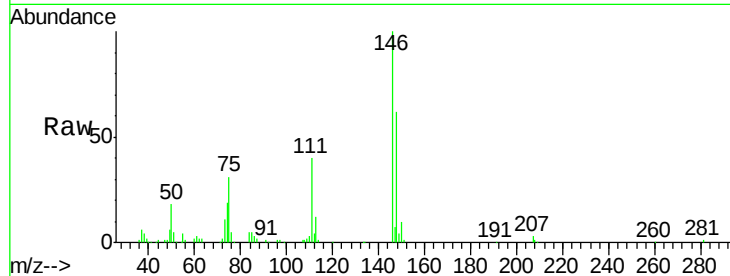




#91
 1,2-Dichlorobenzene
 Concen: 18.190 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

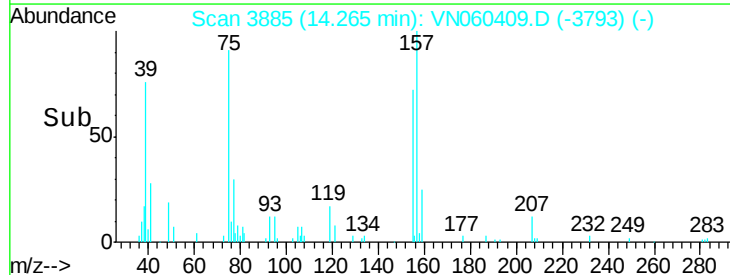
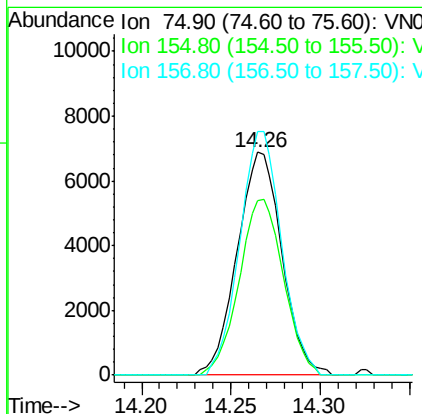
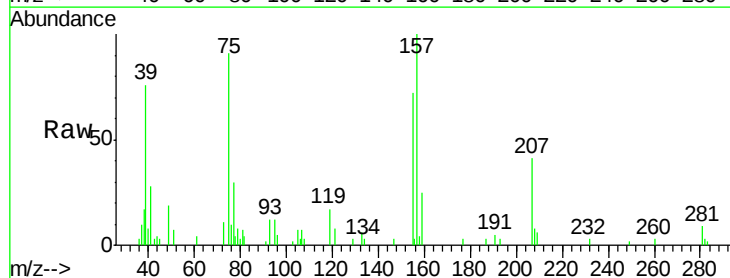
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

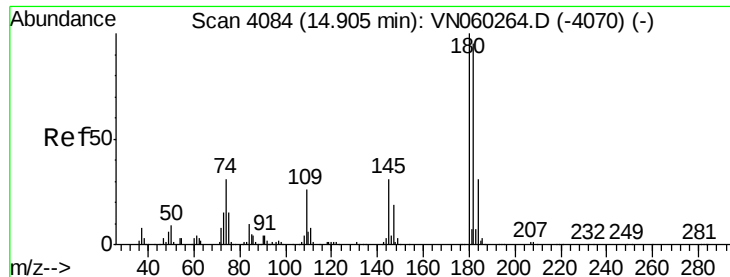
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	61.0
148	63.1	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.792 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	40.4	121.2
157	101.9	52.5	157.5

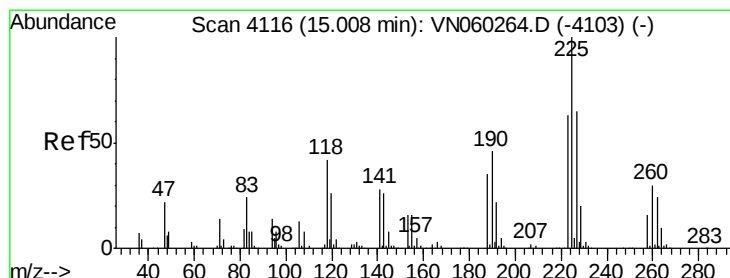
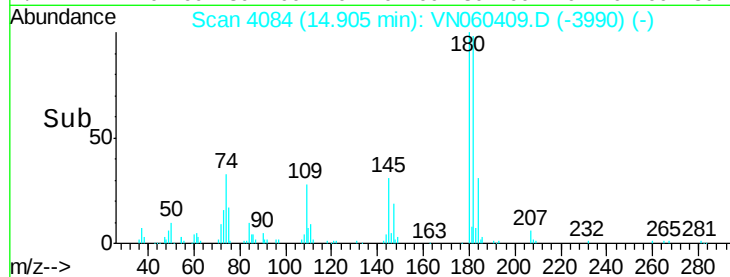
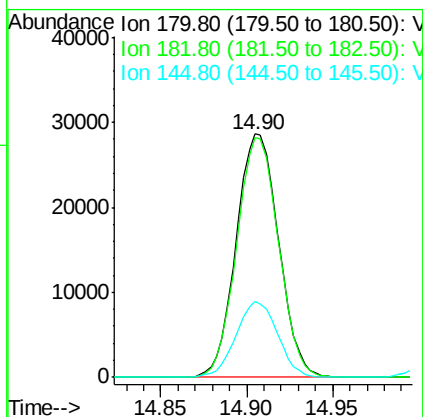
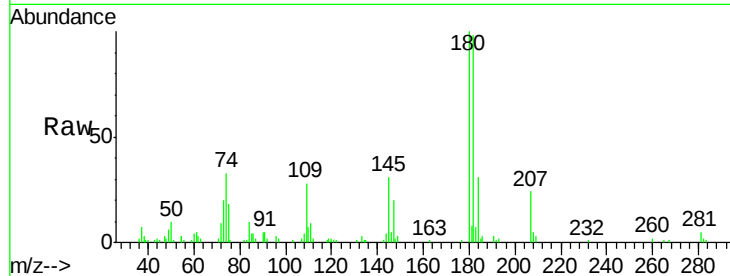




#93
 1,2,4-Trichlorobenzene
 Concen: 17.294 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

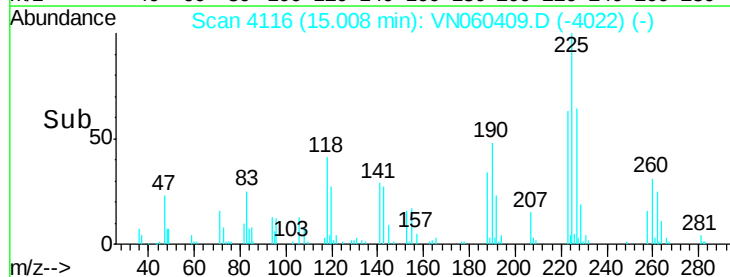
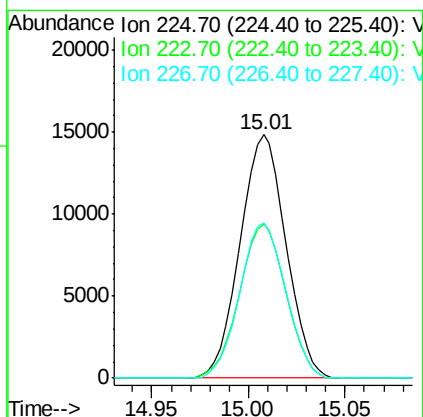
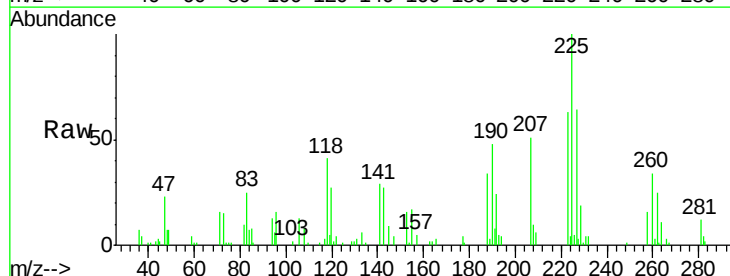
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

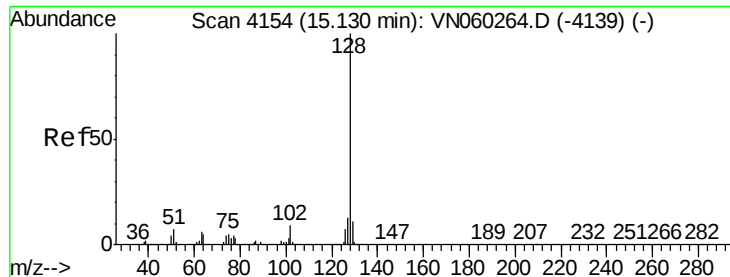
Tgt Ion:180 Resp: 48955
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.8 143.3
 145 30.5 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 18.358 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion:225 Resp: 24441
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.3 93.9
 227 63.8 32.3 96.9





#95

Naphthalene

Concen: 17.424 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

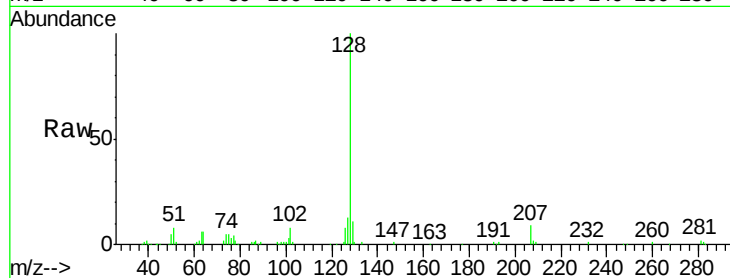
Tgt Ion:128 Resp: 147243

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

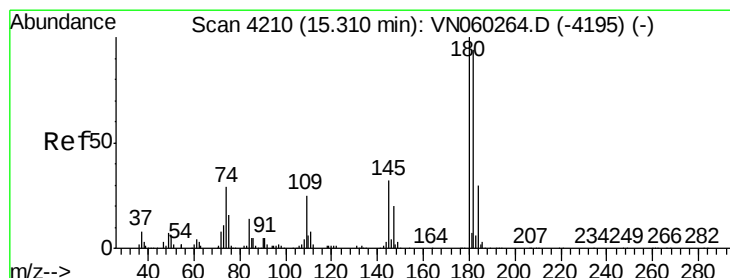
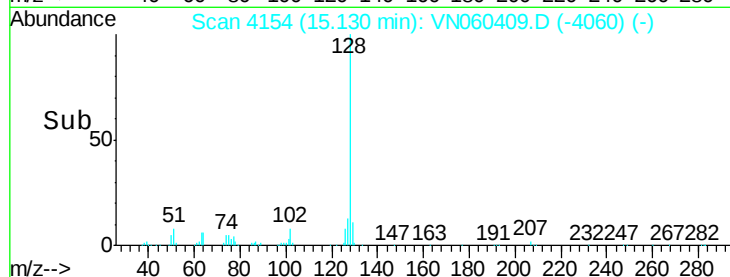
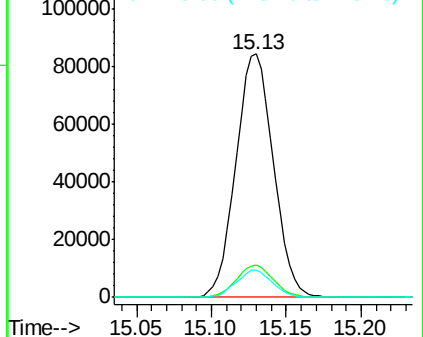
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.995 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

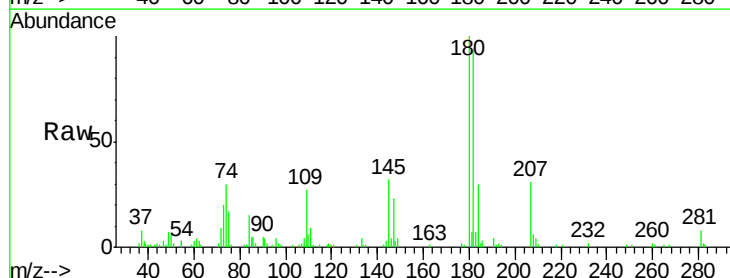
Tgt Ion:180 Resp: 48446

Ion Ratio Lower Upper

180 100

182 94.2 47.3 142.0

145 32.7 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

