

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062939.D
 Acq On : 14 Aug 2020 16:40
 Operator : JC/MD
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Quant Time: Aug 14 17:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	29515	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	148779	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	127348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	75005	28.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.83%
60) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	30.000	Range	56 - 143	Recovery	=	0.00%#
63) Toluene-d8	10.06	98	185694	31.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	41861	16.543 ug/l	97
3) Chloromethane	2.03	50	41486	18.928 ug/l	95
4) Vinyl Chloride	2.16	62	57127	24.672 ug/l	98
5) Bromomethane	2.52	94	31083	15.566 ug/l	100
6) Chloroethane	2.66	64	32860	16.365 ug/l	96
7) Trichlorofluoromethane	2.98	101	72601	16.081 ug/l	99
8) Diethyl Ether	3.37	74	15240	15.422 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	25836	17.394 ug/l	96
10) 1,1-Dichloroethene	3.69	96	21964	16.130 ug/l	98
11) Methyl Iodide	3.91	142	21967	11.614 ug/l	93
12) Methyl Acetate	4.28	43	31434	15.241 ug/l	97
13) Acrolein	3.56	56	17887	67.880 ug/l	97
14) Acrylonitrile	4.93	53	66576	73.946 ug/l	94
15) Acetone	3.78	58	22464	93.416 ug/l	92
16) Carbon Disulfide	4.01	76	59925	15.430 ug/l	97
17) Allyl chloride	4.28	41	37411	15.948 ug/l	96
18) Methylene Chloride	4.49	84	26200	14.871 ug/l	98
19) trans-1,2-Dichloroethene	4.98	96	22525	14.811 ug/l	98
20) Diisopropyl ether	5.90	45	87951	16.016 ug/l	97
21) 1,1-Dichloroethane	5.80	63	48265	15.016 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	28623	15.741 ug/l #	86
23) tert-Butyl Alcohol	4.94	59	157	0.408 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	85858	14.509 ug/l #	80
25) Chloroform	7.33	83	54301	15.570 ug/l	98
26) Cyclohexane	7.61	56	43312	15.917 ug/l #	97
29) 1,1-Dichloropropene	7.75	75	35481	16.167 ug/l	98
30) 2-Butanone	6.78	43	96608	85.273 ug/l	99
31) 2,2-Dichloropropane	6.77	77	49028	22.436 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	47877	15.922 ug/l	98
33) Carbon Tetrachloride	7.73	117	42359	15.886 ug/l	92
34) Benzene	8.00	78	108997	16.521 ug/l	98
35) Methacrylonitrile	7.12	41	13502	13.434 ug/l	97
36) 1,2-Dichloroethane	8.08	62	47337	16.520 ug/l	99
37) Trichloroethene	8.80	130	30640	18.724 ug/l	98
38) Methylcyclohexane	9.05	83	40630	15.478 ug/l	97
39) 1,2-Dichloropropane	9.08	63	27804	15.439 ug/l	100
40) Dibromomethane	9.17	93	19750	16.191 ug/l	99

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

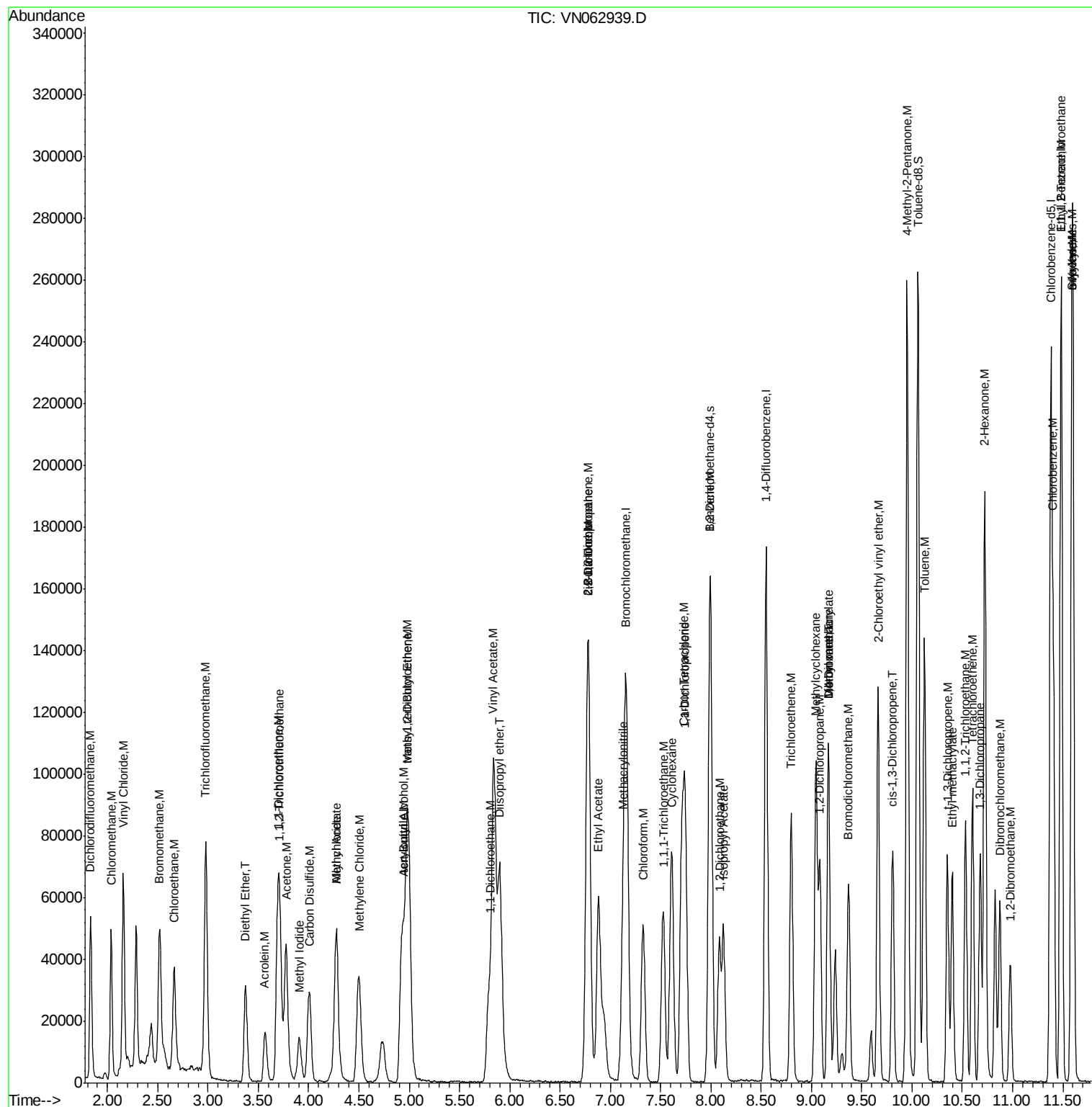
41) Bromodichloromethane	9.37	83	43685	15.957	ug/l	99
42) Vinyl Acetate	5.84	43	280815	73.331	ug/l #	87
43) Ethyl Acetate	6.88	43	34715	15.599	ug/l #	83
44) Isopropyl Acetate	8.12	43	57949	15.946	ug/l	94
45) 1,4-Dioxane	9.16	88	11261	316.411	ug/l	96
46) Methyl methacrylate	9.17	41	27266	15.004	ug/l	92
48) t-1,3-Dichloropropene	10.35	75	43156	15.090	ug/l	94
49) cis-1,3-Dichloropropene	9.81	75	45511	15.836	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	25630	14.619	ug/l	96
51) Ethyl methacrylate	10.40	69	36363	13.625	ug/l	96
52) 1,3-Dichloropropane	10.68	76	43619	14.400	ug/l	99
53) Dibromochloromethane	10.87	129	32177	15.354	ug/l	98
54) 1,2-Dibromoethane	10.98	107	25733	14.344	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	59506	92.136	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	173421	78.260	ug/l	100
59) 2-Hexanone	10.72	43	120555	74.508	ug/l	99
61) Tetrachloroethene	10.60	164	22199	16.861	ug/l	96
62) Toluene	10.12	91	110962	16.526	ug/l	98
64) Chlorobenzene	11.41	112	68064	16.159	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	28534	16.382	ug/l	98
66) Ethyl Benzene	11.48	91	118882	15.904	ug/l	100
67) m/p-Xylenes	11.60	106	90340	32.648	ug/l	100
68) o-Xylene	11.60	106	90340	34.010	ug/l	89
69) Styrene	11.60	104	5193	1.101	ug/l #	1

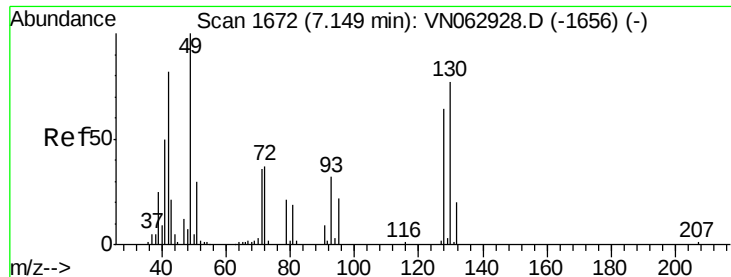
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

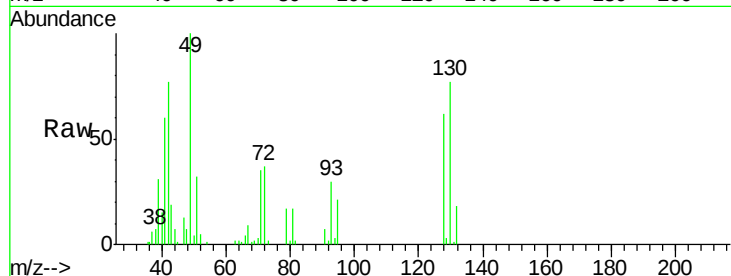
Tgt Ion:128 Resp: 29515

Ion Ratio Lower Upper

128 100

49 165.1 0.0 410.0

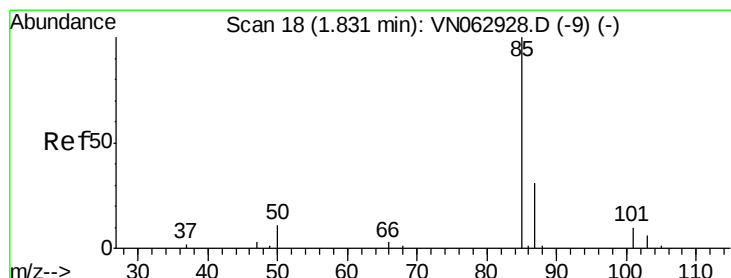
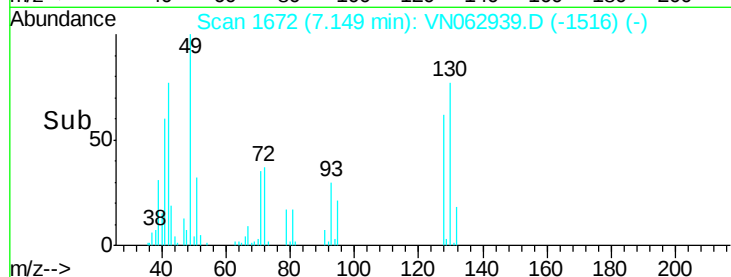
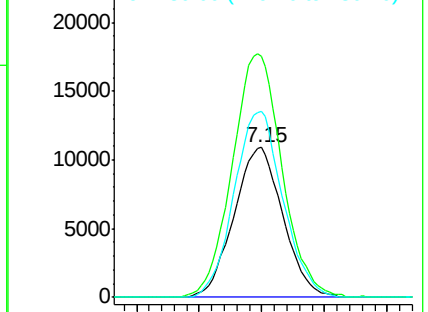
130 123.9 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.543 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062939.D

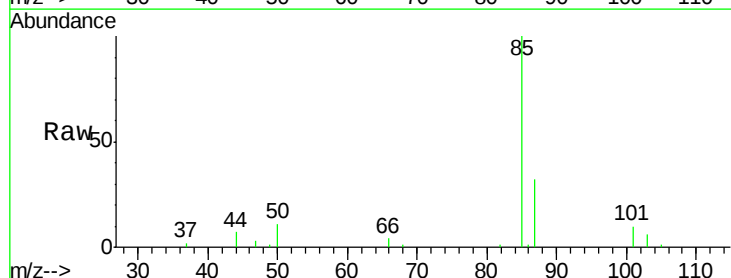
Acq: 14 Aug 2020 16:40

Tgt Ion: 85 Resp: 41861

Ion Ratio Lower Upper

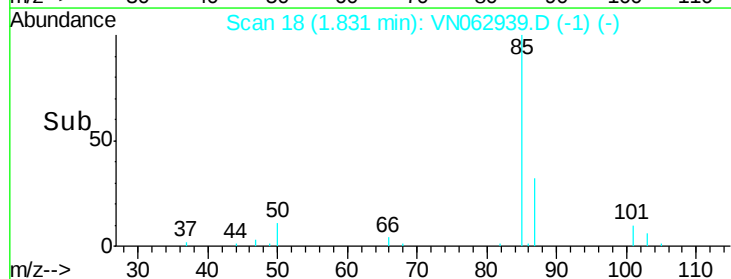
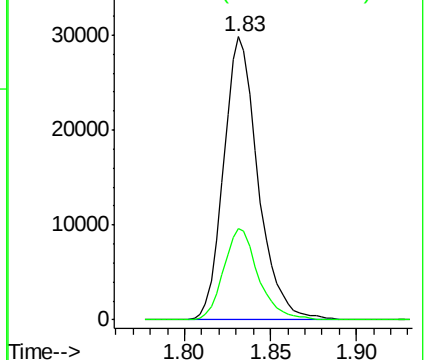
85 100

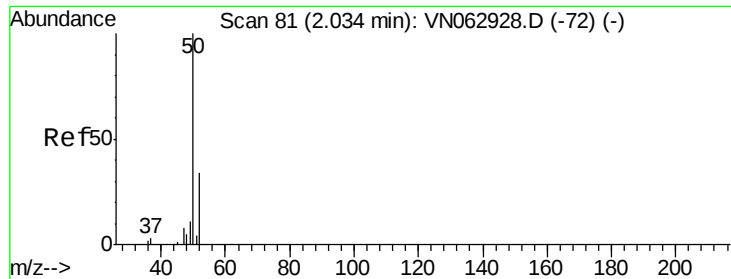
87 32.3 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.928 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

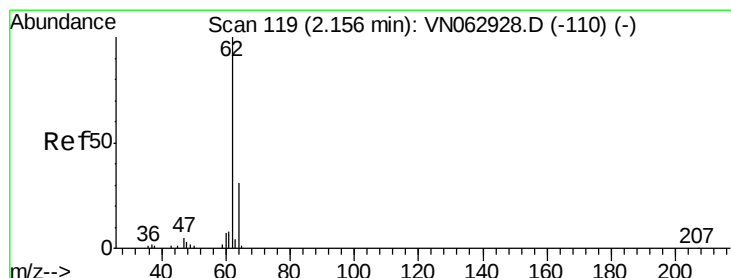
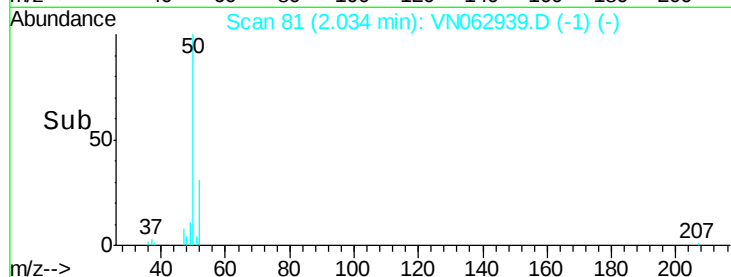
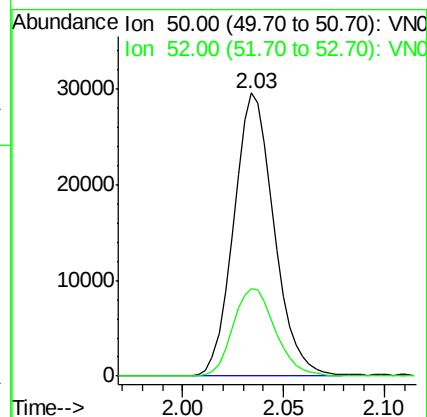
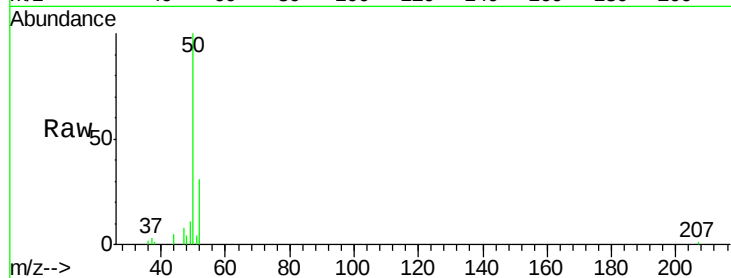
VN0814WBSD01

Tgt Ion: 50 Resp: 41486

Ion Ratio Lower Upper

50 100

52 31.0 27.1 40.7



#4

Vinyl Chloride

Concen: 24.672 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062939.D

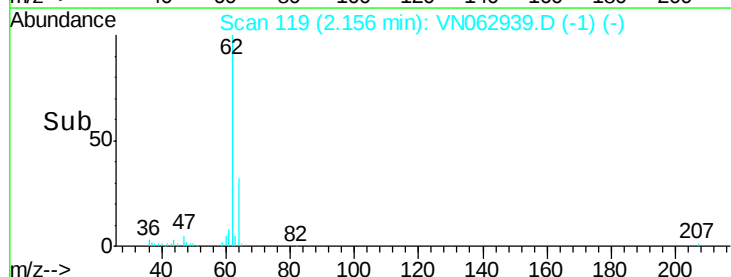
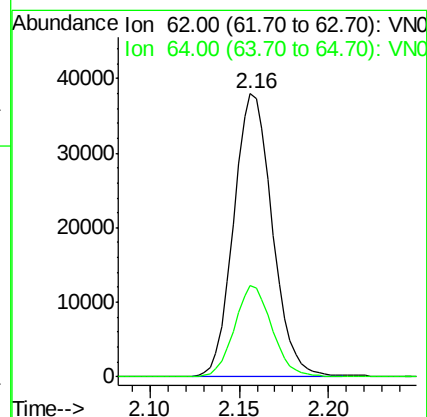
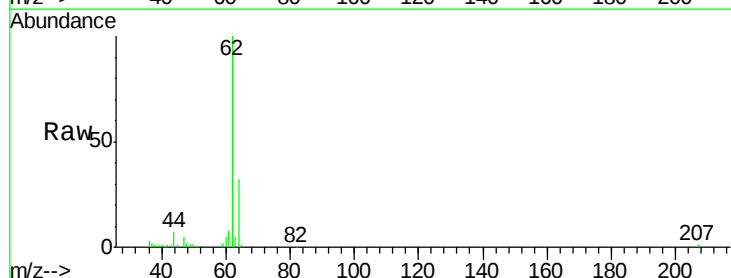
Acq: 14 Aug 2020 16:40

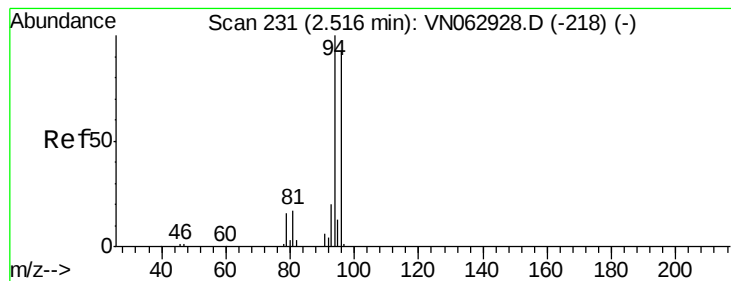
Tgt Ion: 62 Resp: 57127

Ion Ratio Lower Upper

62 100

64 32.1 24.6 37.0





#5

Bromomethane

Concen: 15.566 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

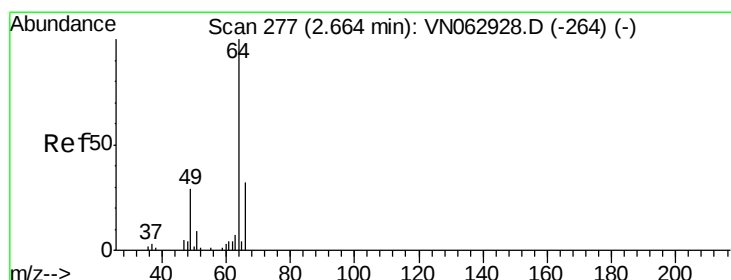
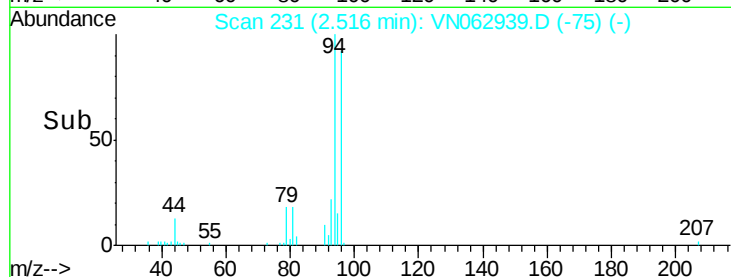
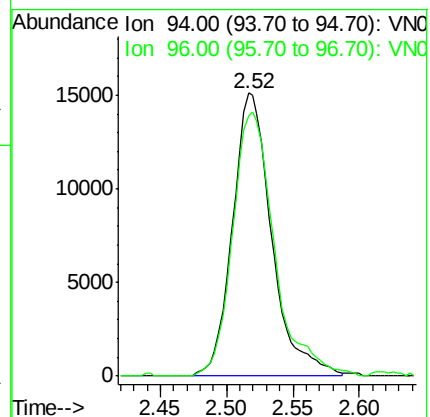
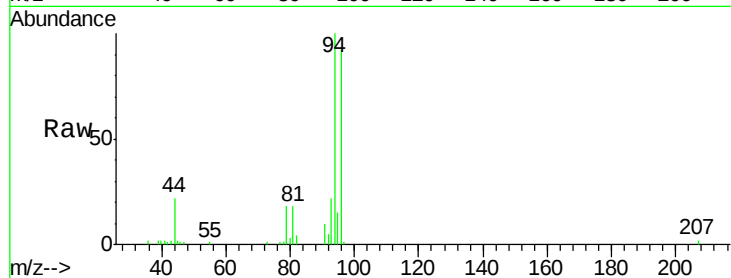
VN0814WBSD01

Tgt Ion: 94 Resp: 31083

Ion Ratio Lower Upper

94 100

96 91.9 73.7 110.5



#6

Chloroethane

Concen: 16.365 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062939.D

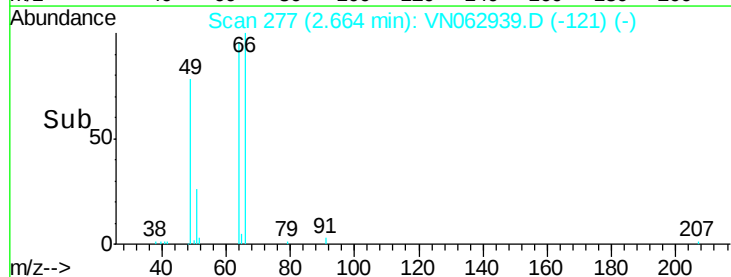
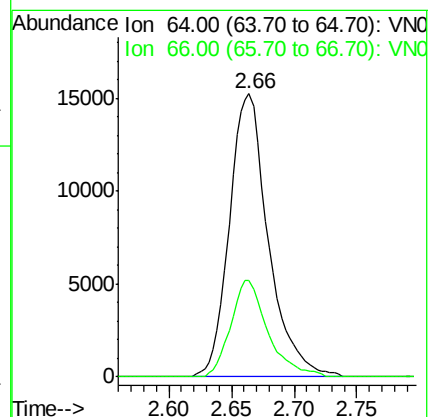
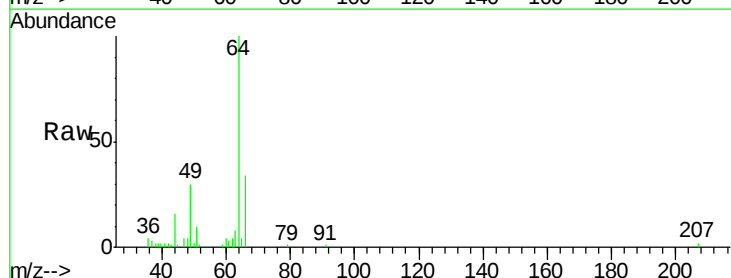
Acq: 14 Aug 2020 16:40

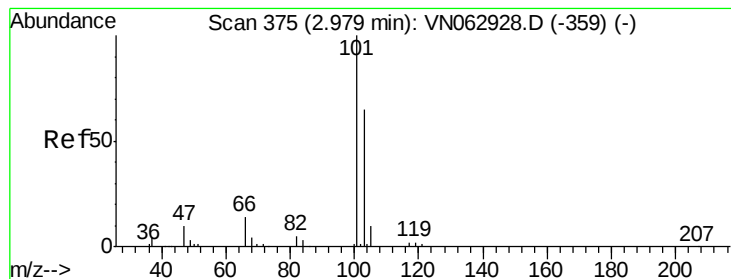
Tgt Ion: 64 Resp: 32860

Ion Ratio Lower Upper

64 100

66 33.9 25.3 37.9



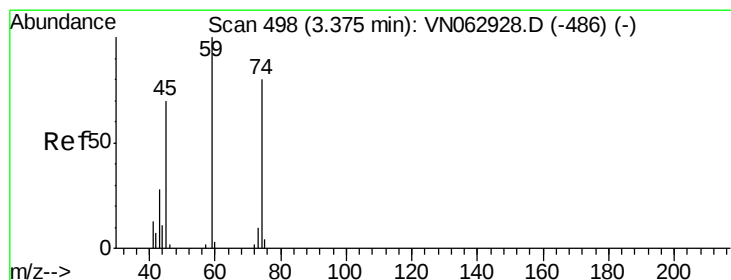
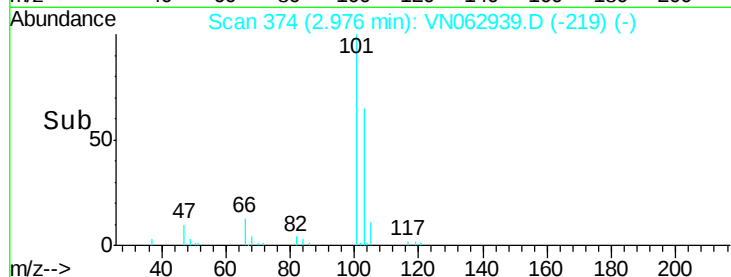
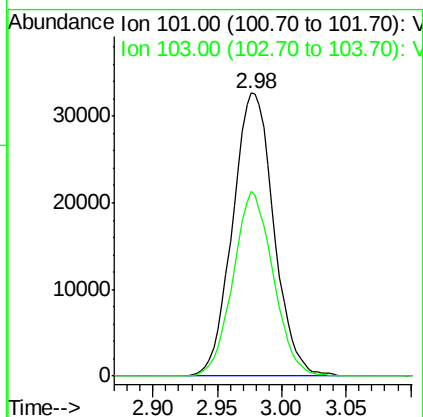
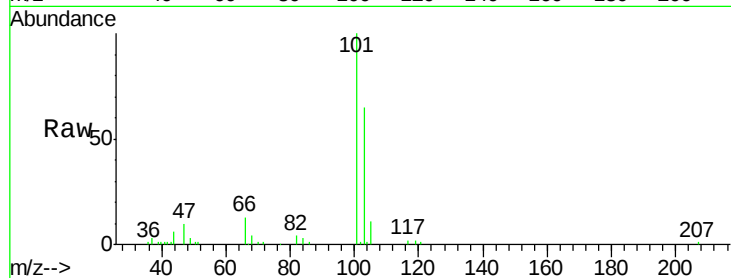


#7

Trichlorofluoromethane
 Concen: 16.081 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Instrument :
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 VN0814WBSD01

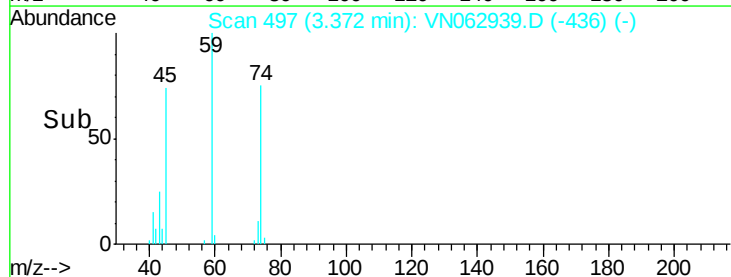
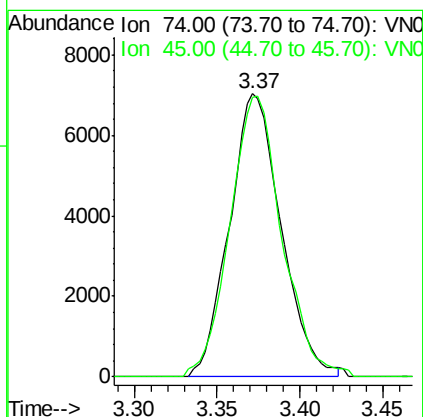
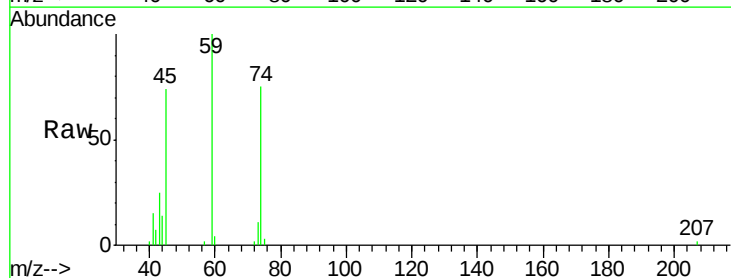
Tgt Ion:101 Resp: 72601
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.6

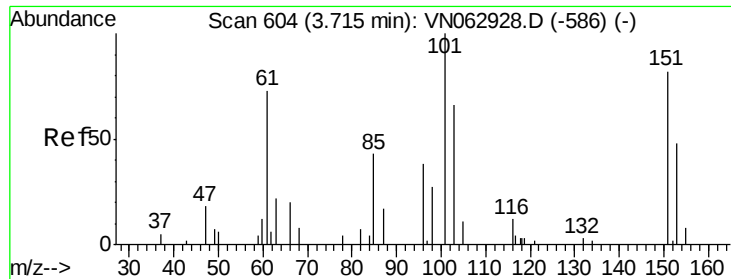


#8

Diethyl Ether
 Concen: 15.422 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 74 Resp: 15240
 Ion Ratio Lower Upper
 74 100
 45 99.8 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.394 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

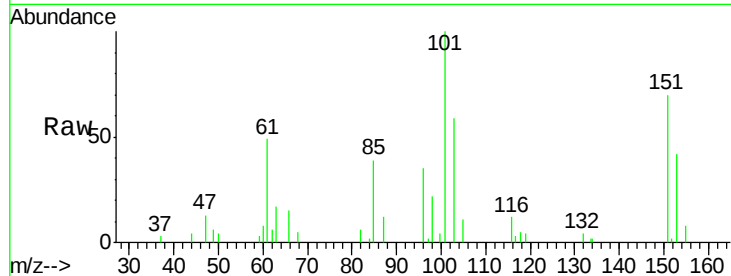
Tgt Ion:101 Resp: 25836

Ion Ratio Lower Upper

101 100

85 45.0 0.0 92.4

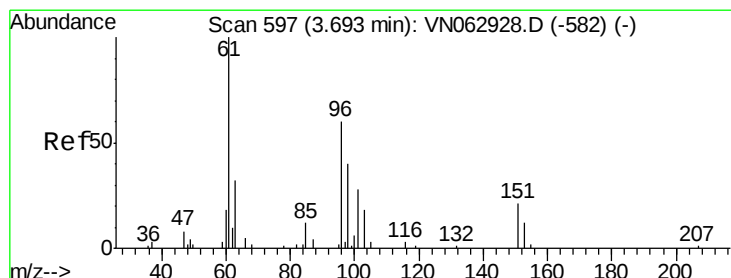
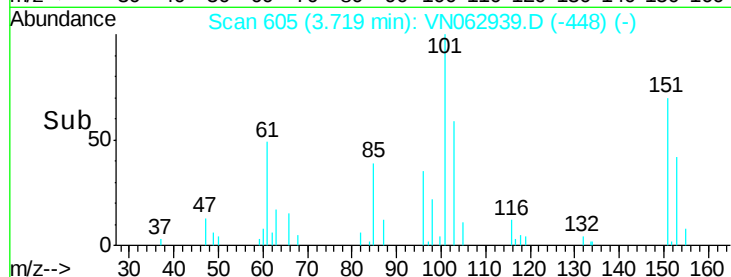
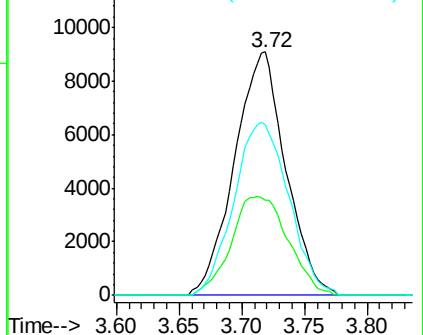
151 76.0 0.0 162.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 16.130 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

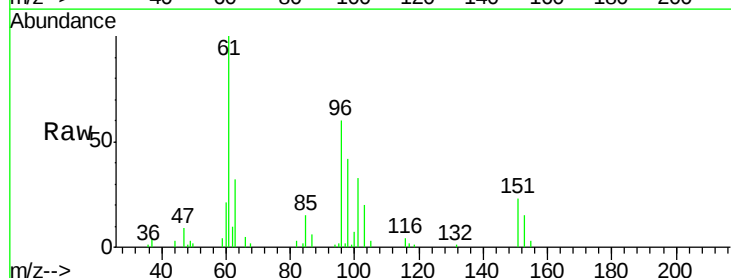
Tgt Ion: 96 Resp: 21964

Ion Ratio Lower Upper

96 100

61 165.4 134.5 201.7

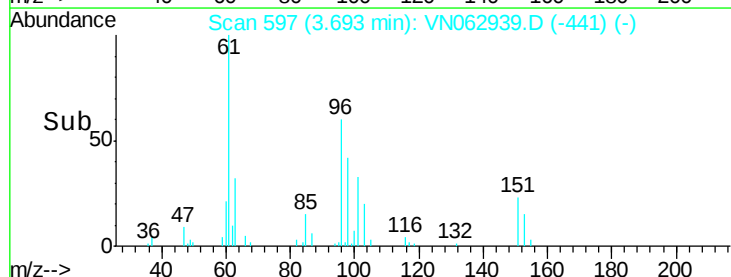
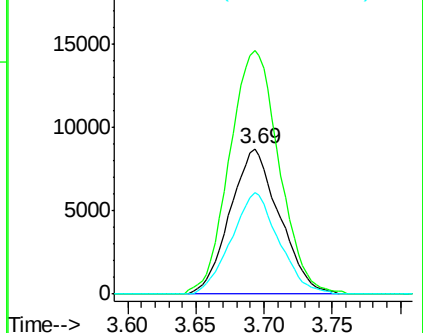
98 69.5 53.3 79.9

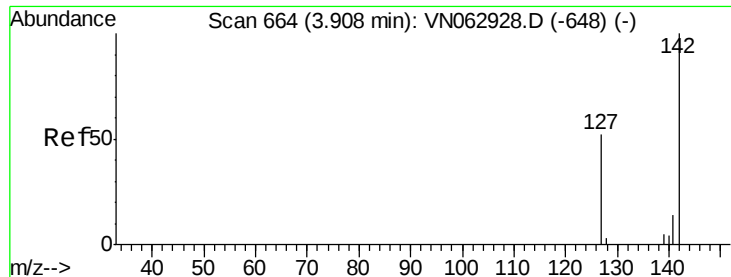


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

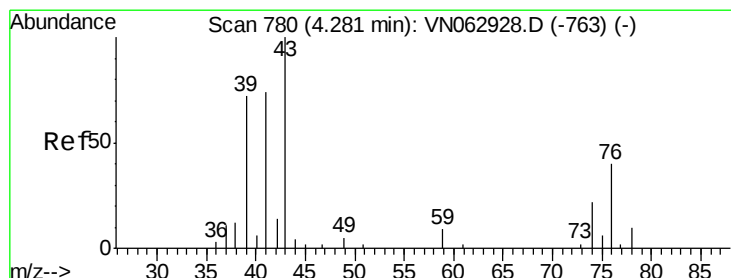
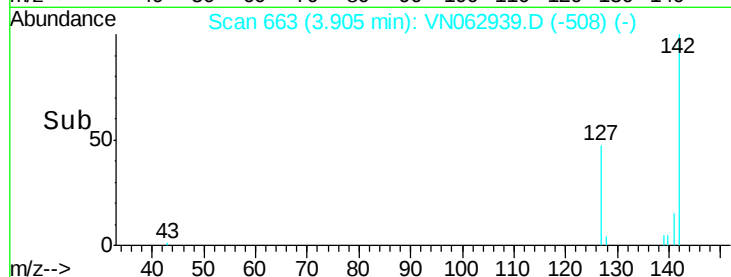
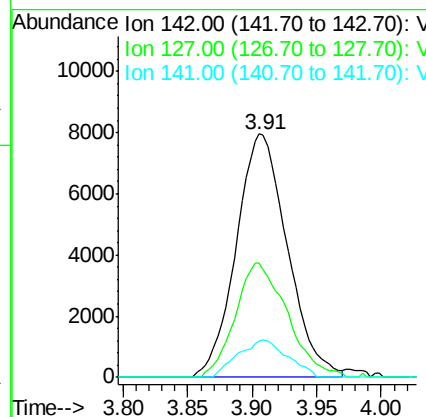
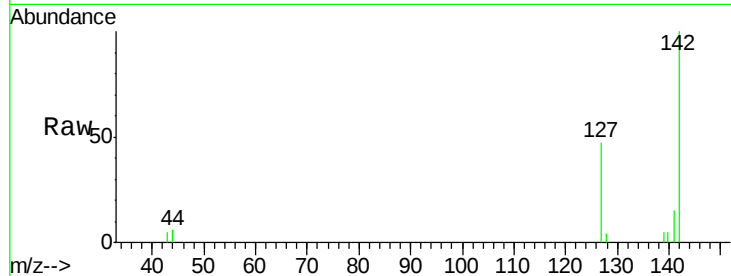




#11
Methyl Iodide
Concen: 11.614 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

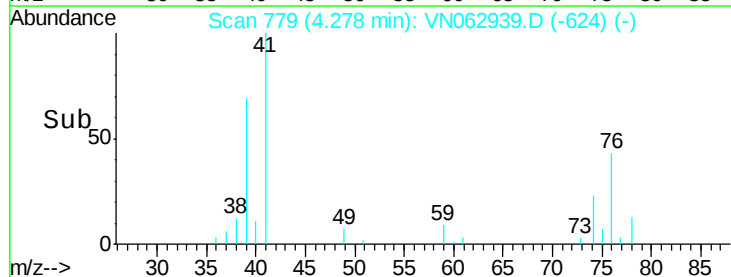
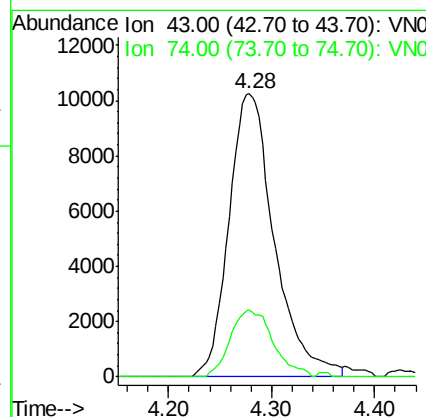
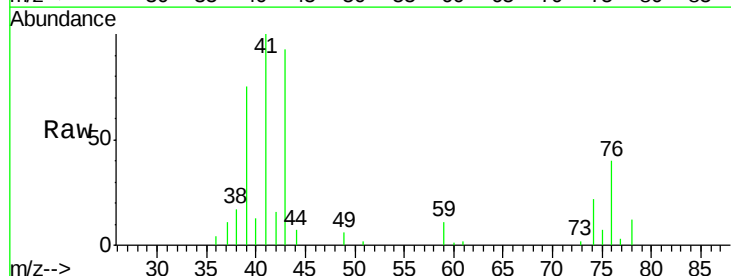
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

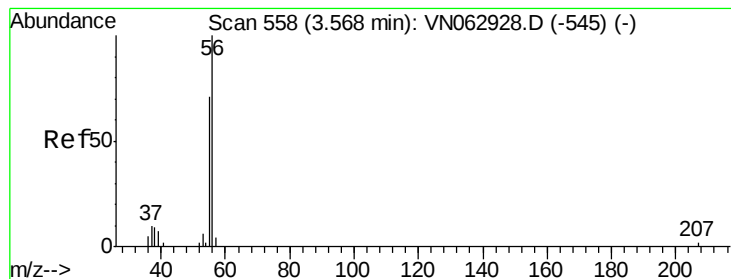
Tgt Ion: 142 Resp: 21967
Ion Ratio Lower Upper
142 100
127 46.6 26.1 78.3
141 15.3 7.2 21.7



#12
Methyl Acetate
Concen: 15.241 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Tgt Ion: 43 Resp: 31434
Ion Ratio Lower Upper
43 100
74 24.1 18.1 27.1





#13

Acrolein

Concen: 67.880 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

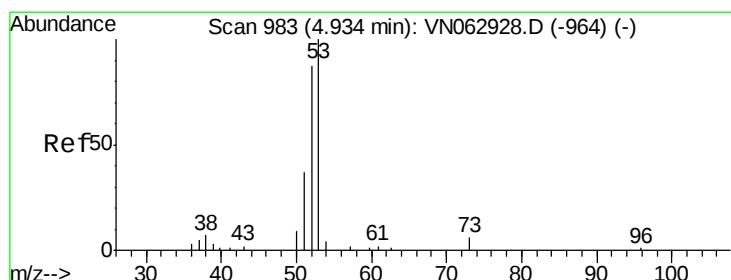
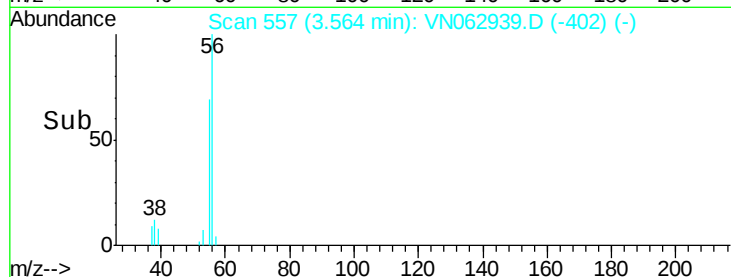
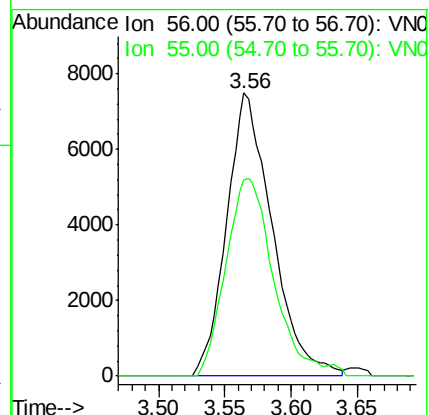
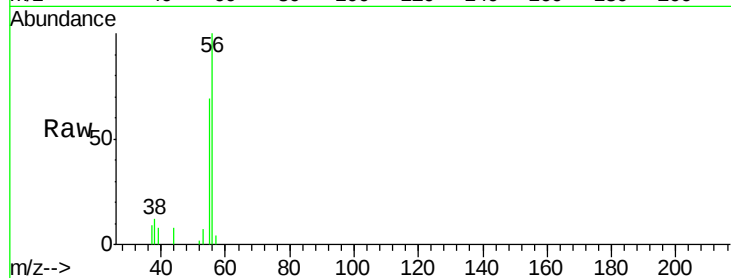
VN0814WBSD01

Tgt Ion: 56 Resp: 17887

Ion Ratio Lower Upper

56 100

55 72.4 60.2 90.4



#14

Acrylonitrile

Concen: 73.946 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

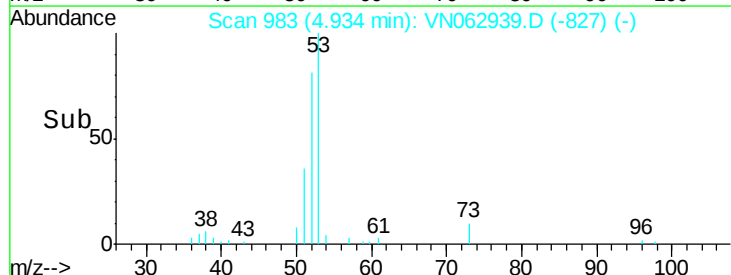
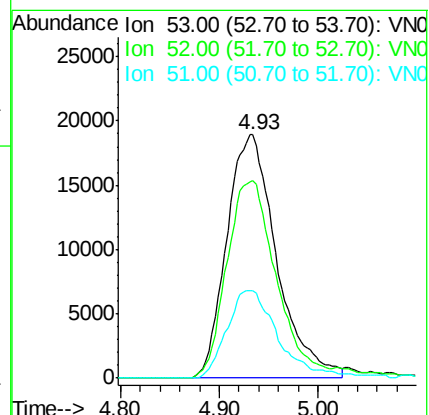
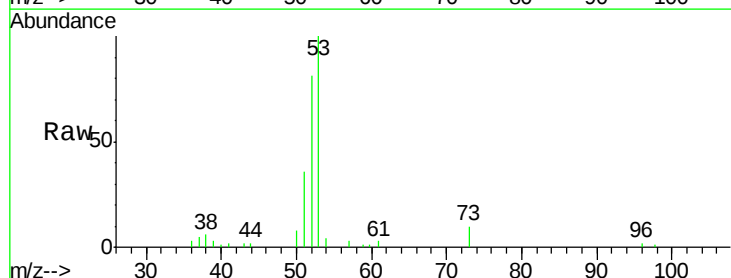
Tgt Ion: 53 Resp: 66576

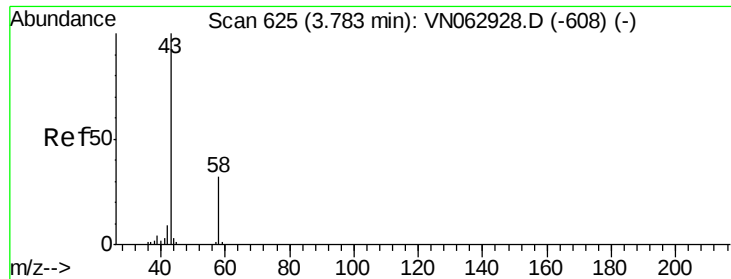
Ion Ratio Lower Upper

53 100

52 80.0 43.1 129.4

51 35.1 19.1 57.1





#15

Acetone

Concen: 93.416 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

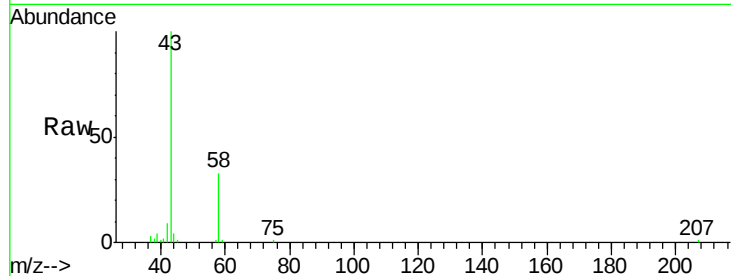
VN0814WBSD01

Tgt Ion: 58 Resp: 22464

Ion Ratio Lower Upper

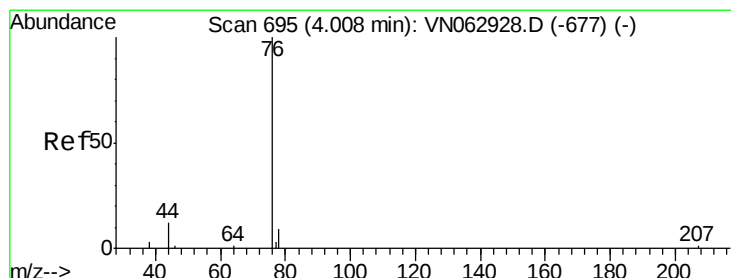
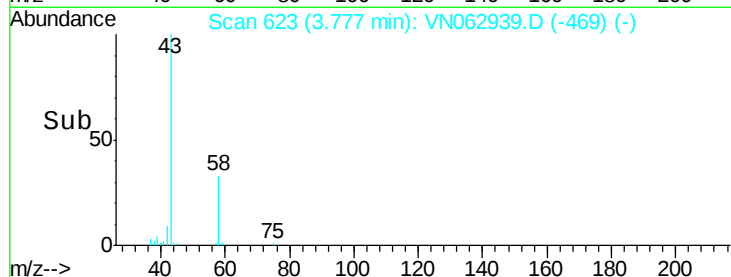
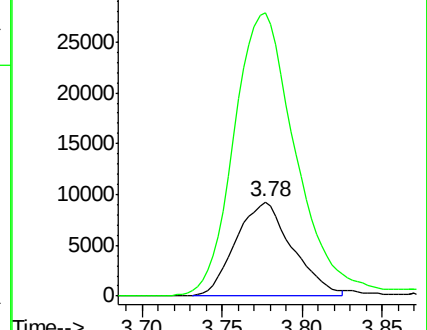
58 100

43 295.4 250.0 375.0



Abundance Ion 58.00 (57.70 to 58.70): VN062928.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN062928.D (-608) (-)



#16

Carbon Disulfide

Concen: 15.430 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062939.D

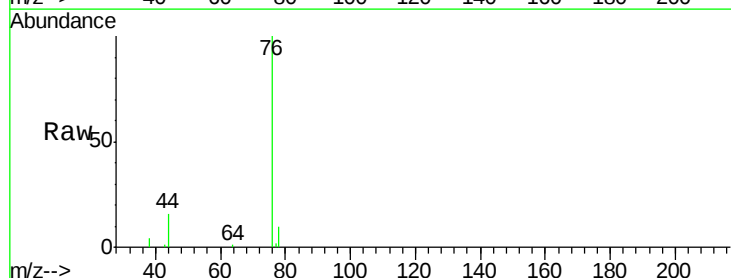
Acq: 14 Aug 2020 16:40

Tgt Ion: 76 Resp: 59925

Ion Ratio Lower Upper

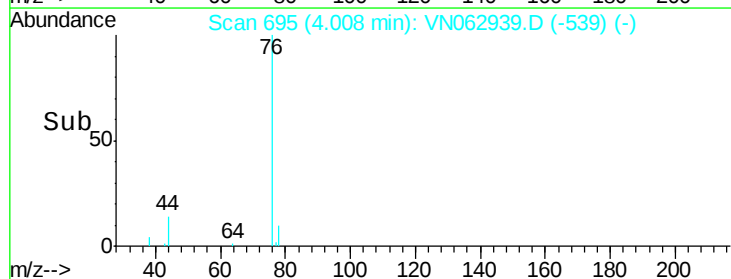
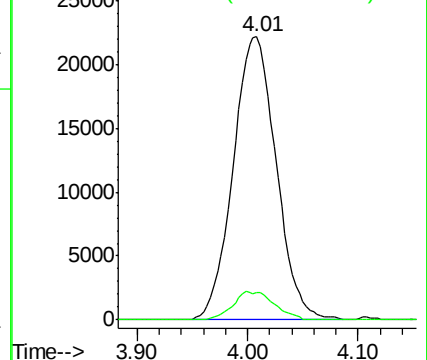
76 100

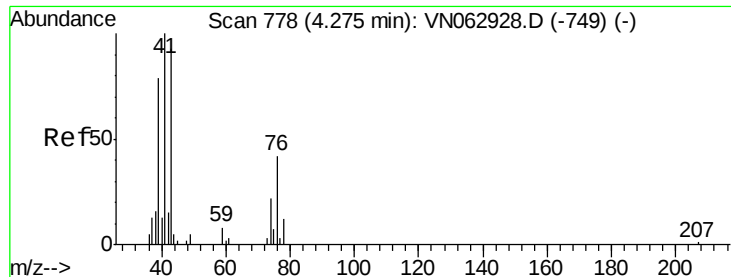
78 9.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN062928.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062928.D (-677) (-)

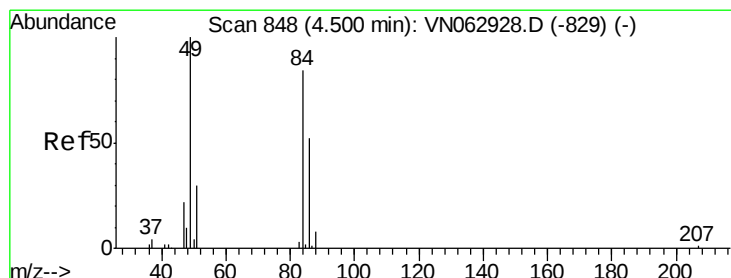
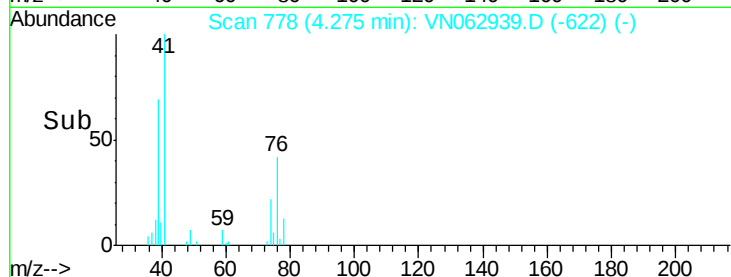
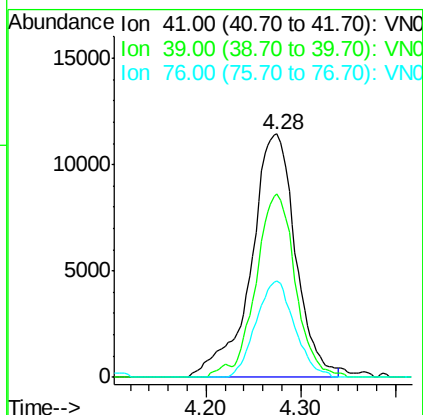
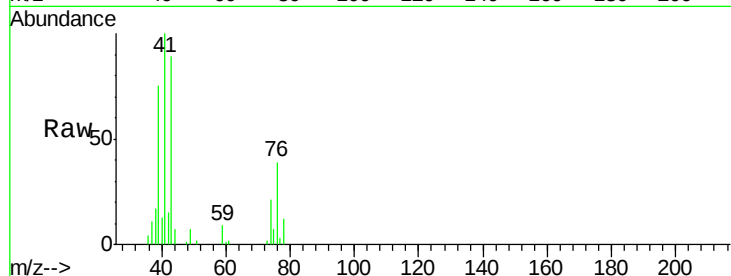




#17
 Allyl chloride
 Concen: 15.948 ug/l
 RT: 4.28 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

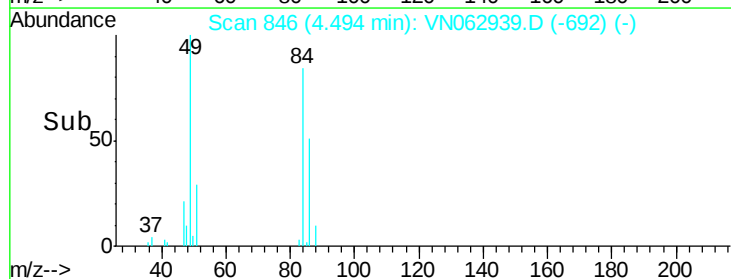
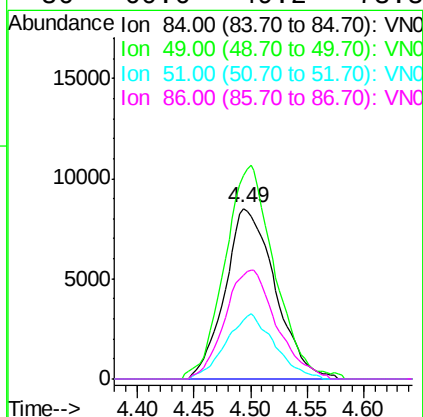
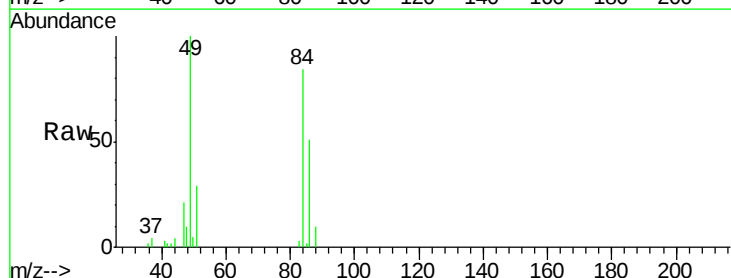
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

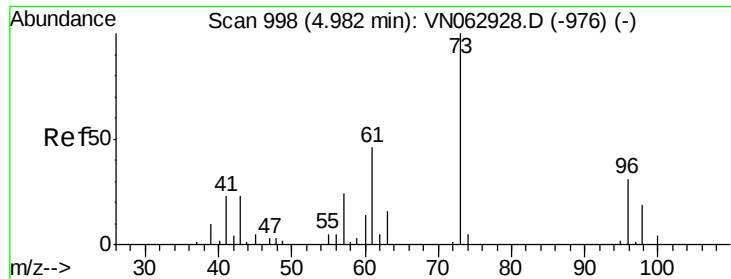
Tgt Ion: 41 Resp: 37411
 Ion Ratio Lower Upper
 41 100
 39 75.4 39.6 118.7
 76 39.4 21.3 63.7



#18
 Methylene Chloride
 Concen: 14.871 ug/l
 RT: 4.49 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 84 Resp: 26200
 Ion Ratio Lower Upper
 84 100
 49 116.0 95.0 142.6
 51 34.3 28.2 42.4
 86 60.6 49.2 73.8

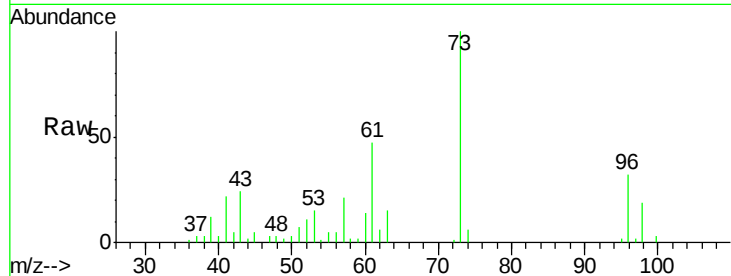




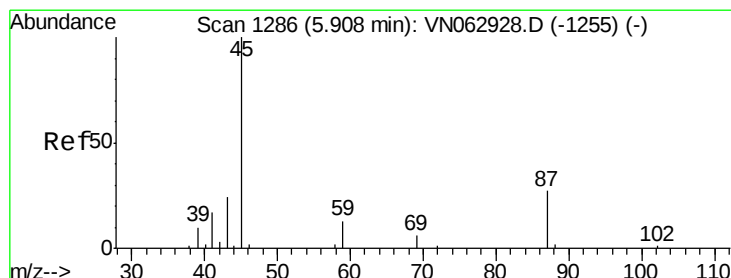
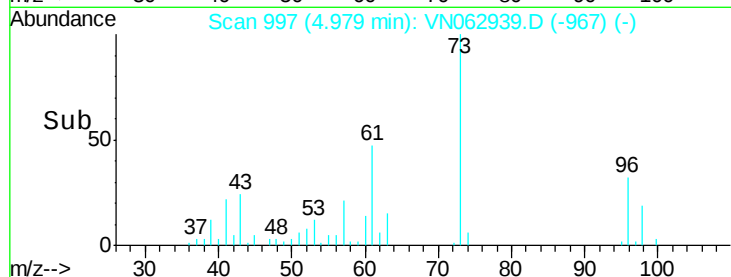
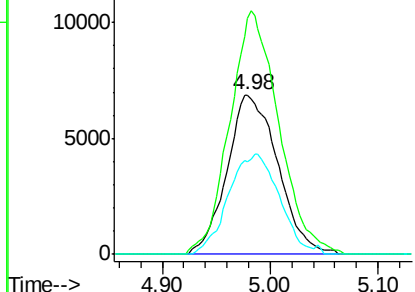
#19
trans-1,2-Dichloroethene
Concen: 14.811 ug/l
RT: 4.98 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion: 96 Resp: 22525
Ion Ratio Lower Upper
96 100
61 145.3 118.0 177.0
98 58.0 48.7 73.1

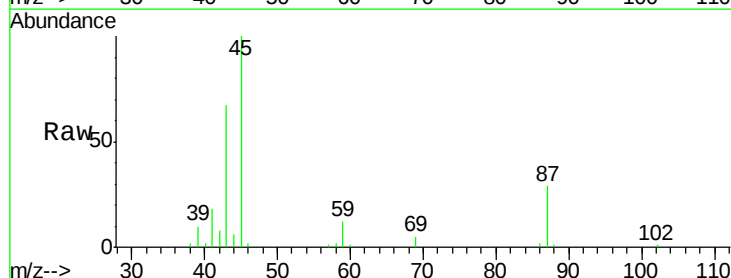


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

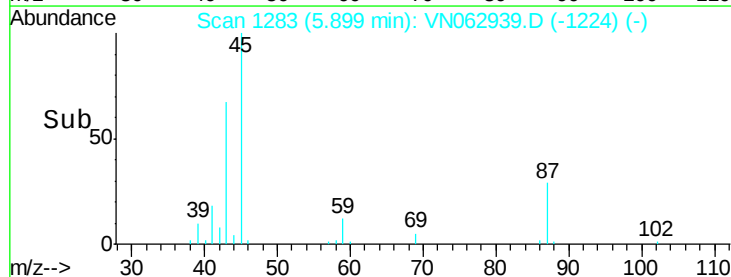
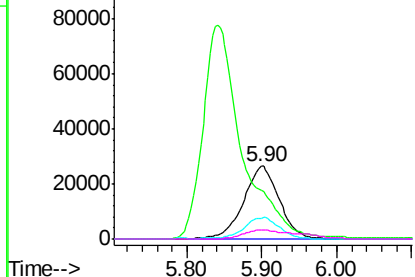


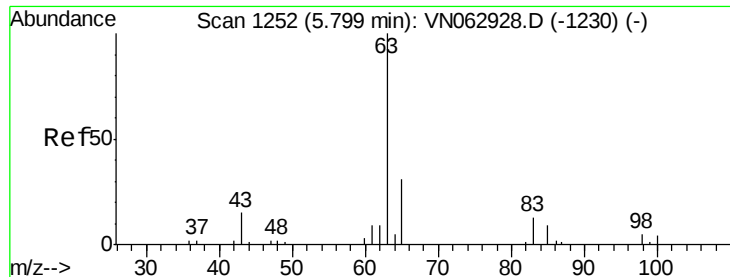
#20
Diisopropyl ether
Concen: 16.016 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Tgt Ion: 45 Resp: 87951
Ion Ratio Lower Upper
45 100
43 64.0 48.6 72.8
87 28.8 22.6 34.0
59 11.8 10.6 15.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

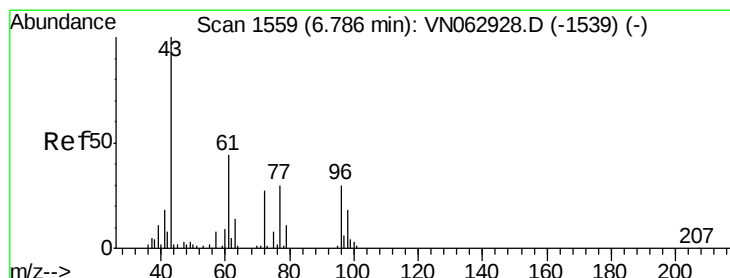
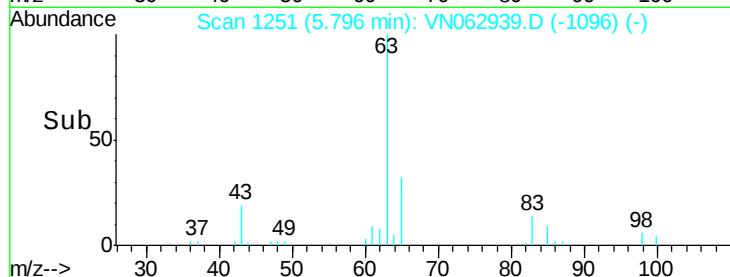
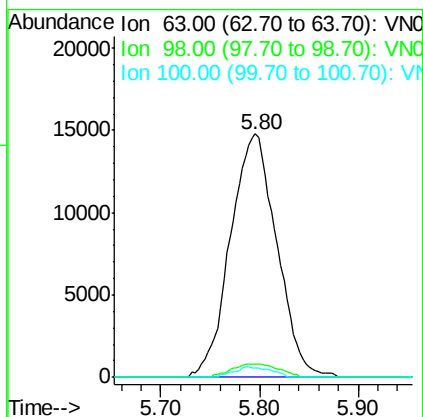
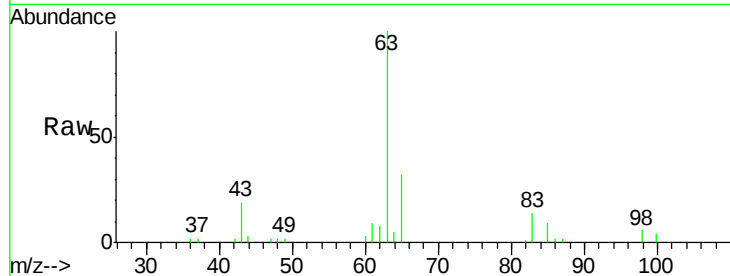




#21
 1,1-Dichloroethane
 Concen: 15.016 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

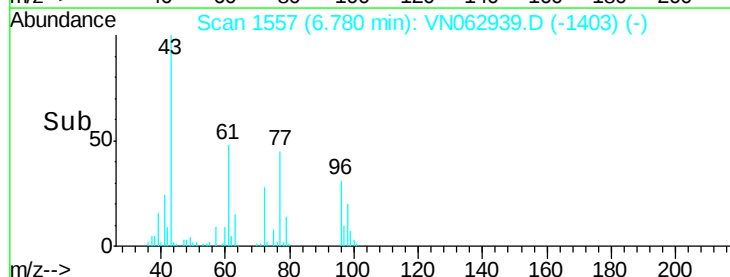
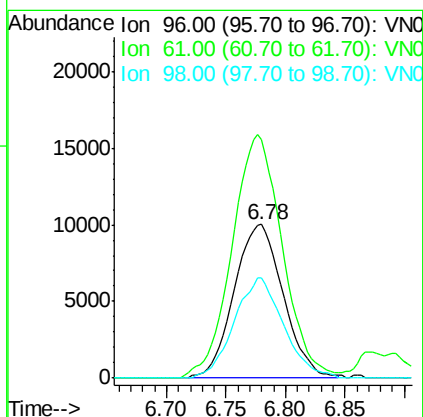
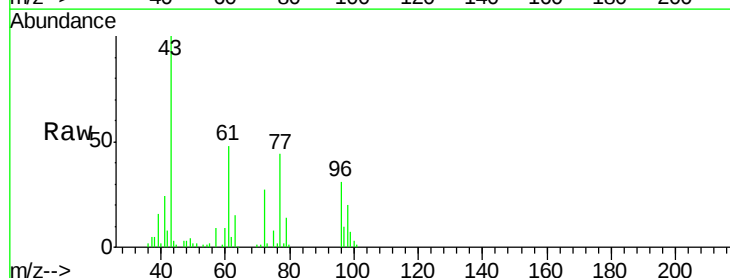
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

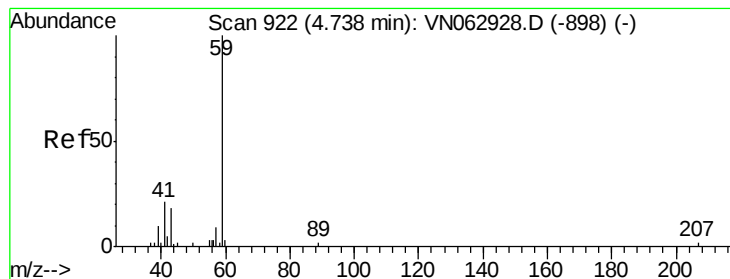
Tgt Ion: 63 Resp: 48265
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.6 7.8
 100 3.8 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 15.741 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 96 Resp: 28623
 Ion Ratio Lower Upper
 96 100
 61 162.1 124.9 187.3
 98 65.6 27.8 41.6#





#23

tert-Butyl Alcohol

Concen: 0.408 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.20 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

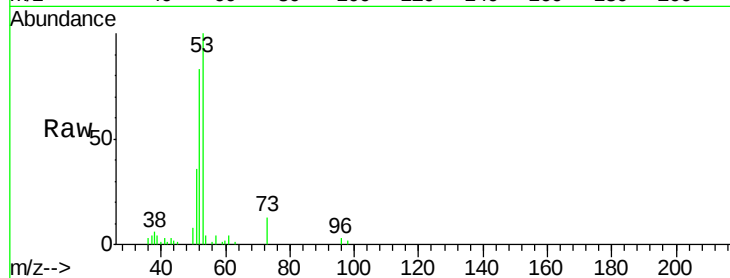
VN0814WBSD01

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

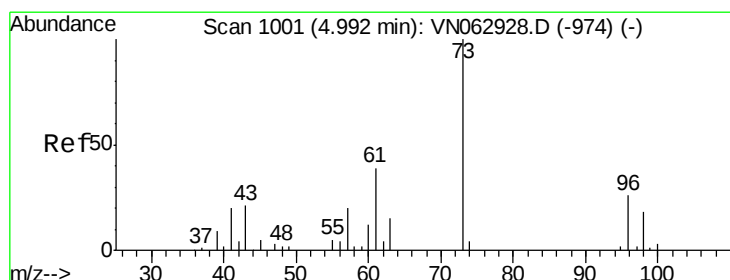
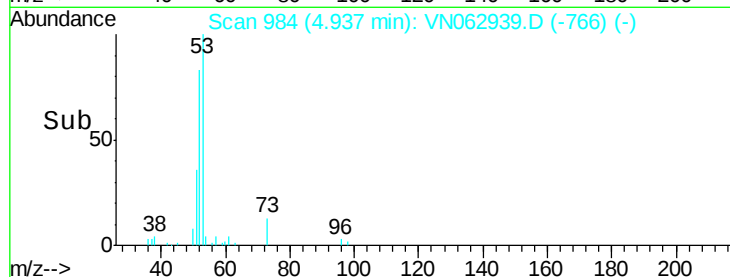
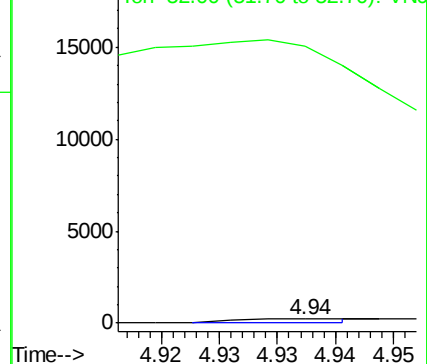
59 100

52 33938.9 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 14.509 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062939.D

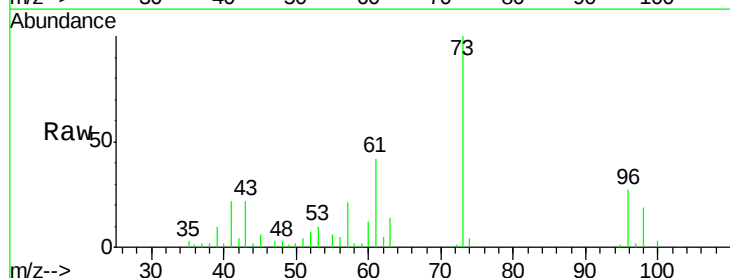
Acq: 14 Aug 2020 16:40

Tgt Ion: 73 Resp: 85858

Ion Ratio Lower Upper

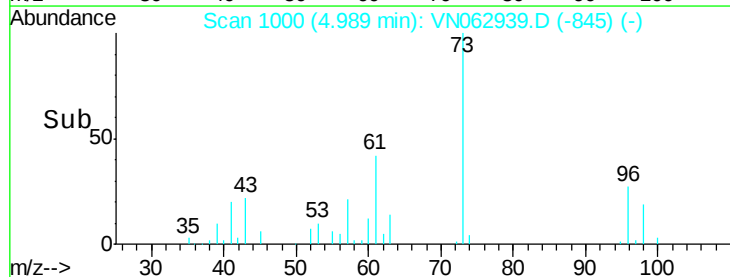
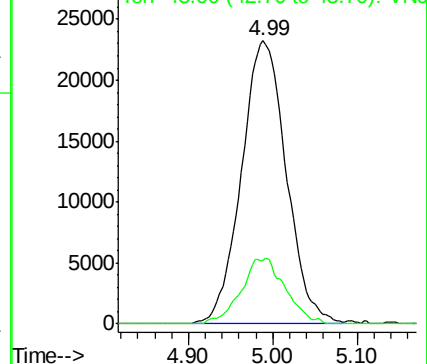
73 100

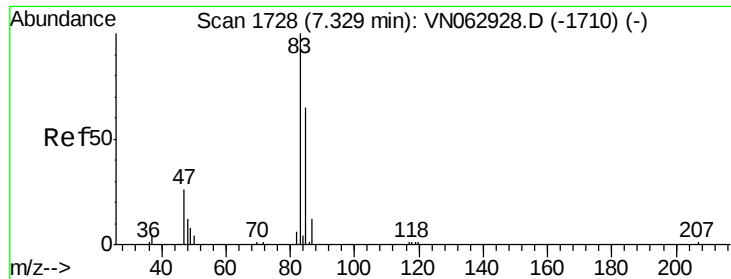
43 11.9 17.3 25.9#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

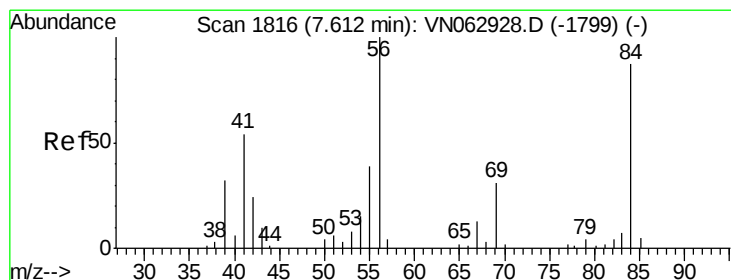
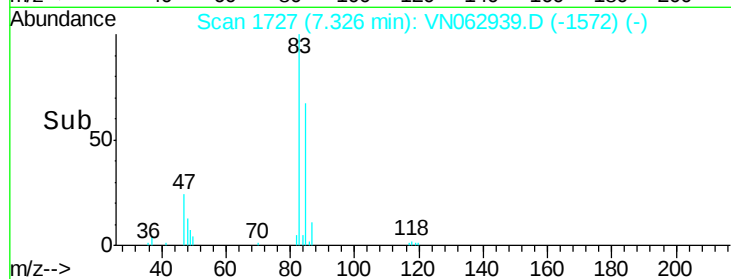
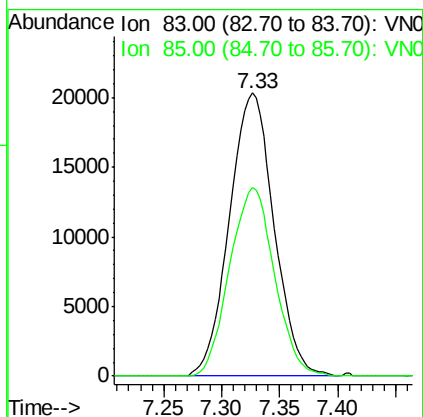
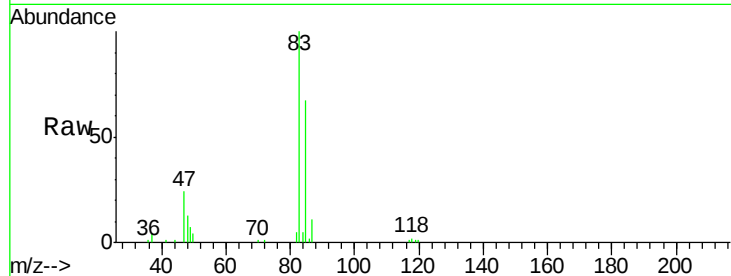




#25
Chloroform
Concen: 15.570 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

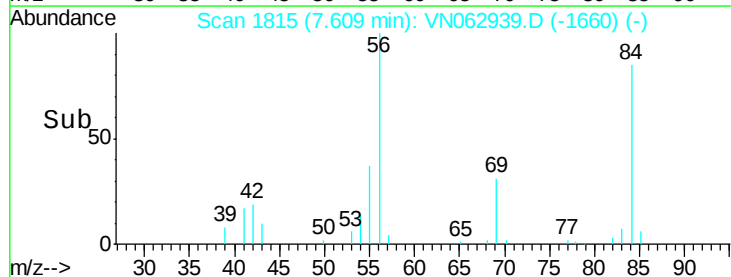
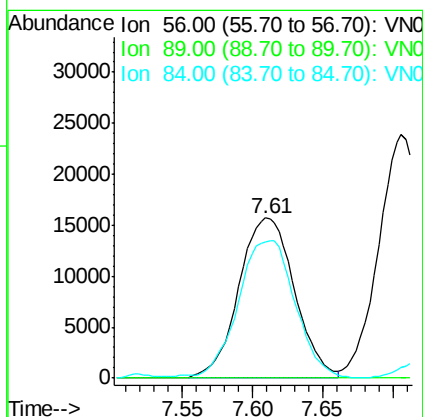
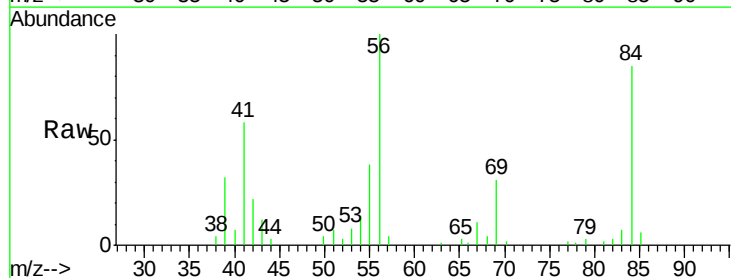
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

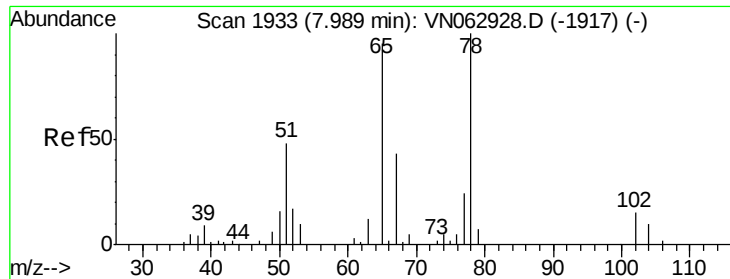
Tgt Ion: 83 Resp: 54301
Ion Ratio Lower Upper
83 100
85 66.9 52.3 78.5



#26
Cyclohexane
Concen: 15.917 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Tgt Ion: 56 Resp: 43312
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.5 71.9 107.9

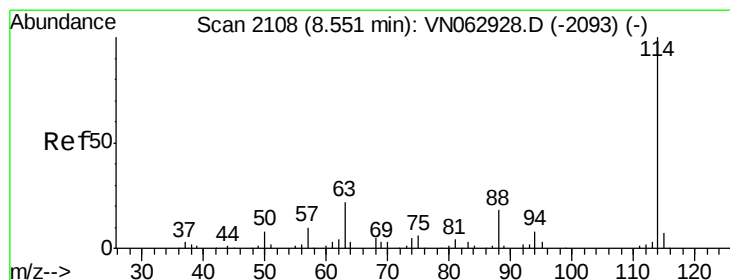
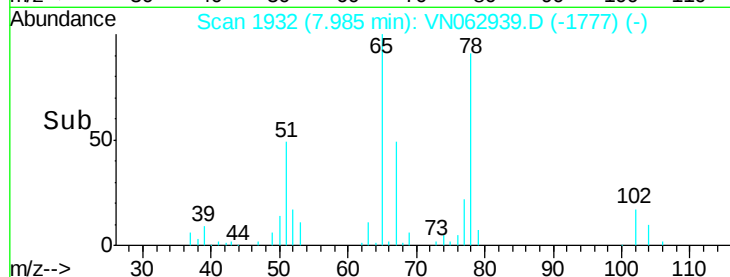
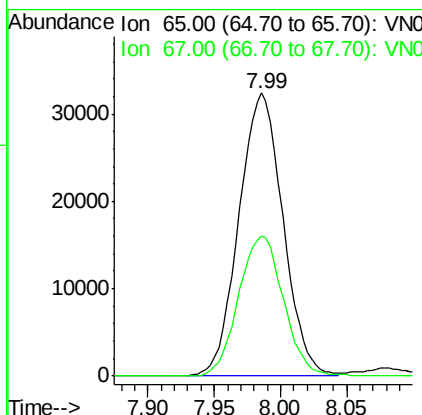
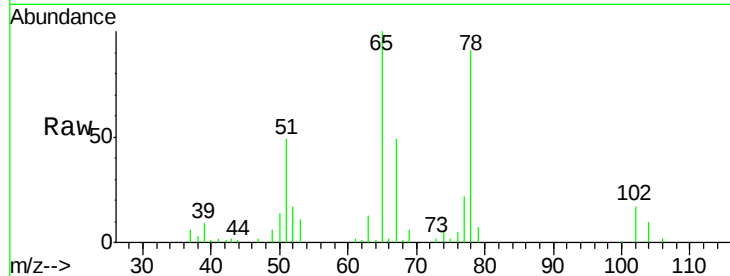




#27
 1,2-Dichloroethane-d4
 Concen: 28.448 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

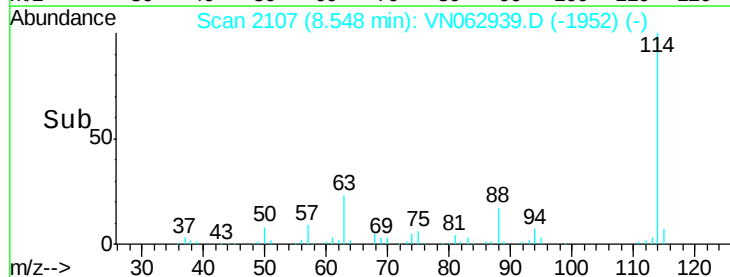
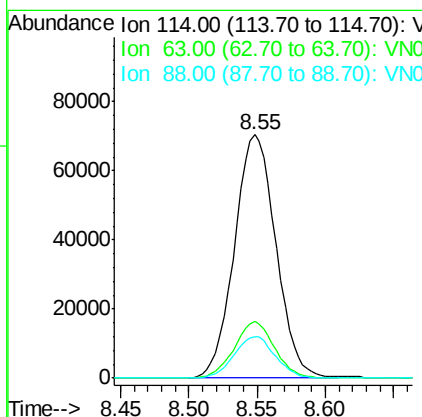
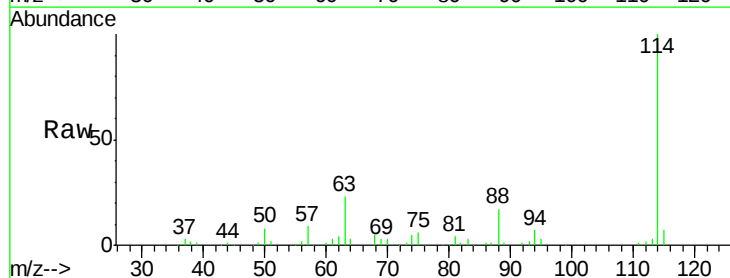
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

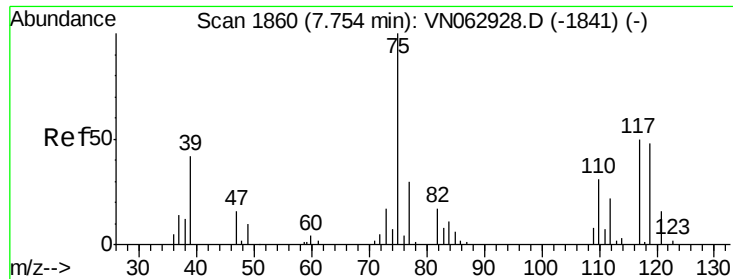
Tgt Ion: 65 Resp: 75005
 Ion Ratio Lower Upper
 65 100
 67 50.2 39.5 59.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 114 Resp: 148779
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.7 26.5
 88 16.9 13.9 20.9

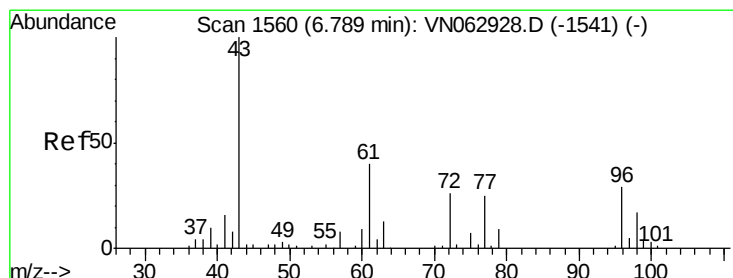
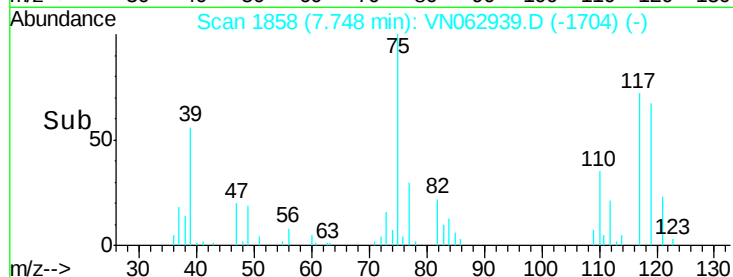
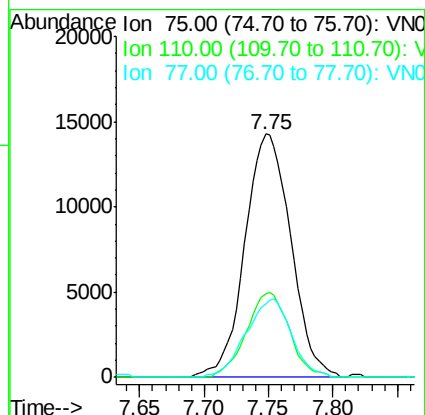
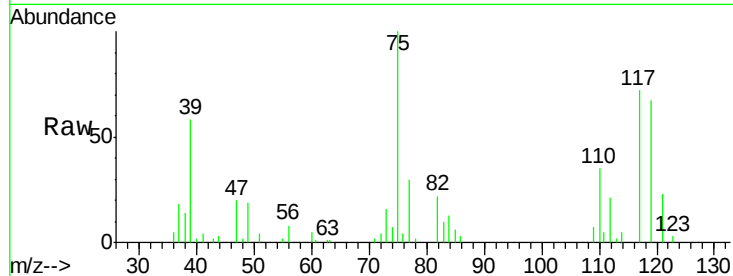




#29
 1,1-Dichloropropene
 Concen: 16.167 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

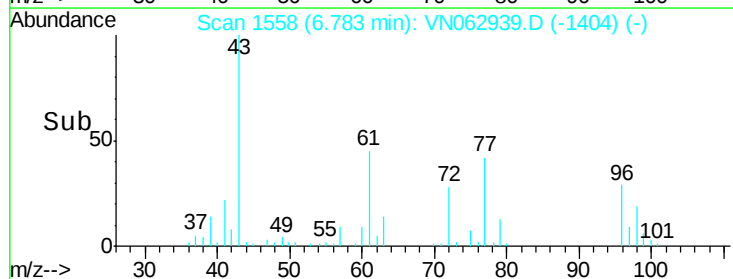
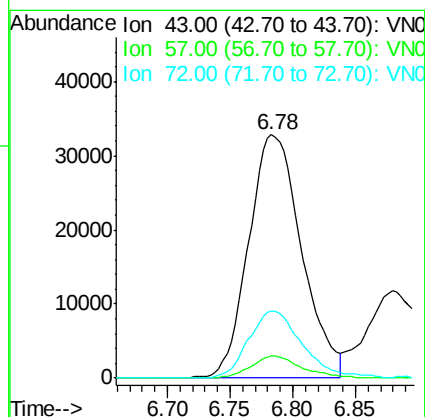
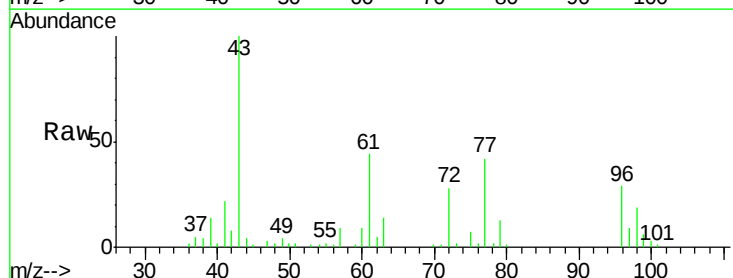
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

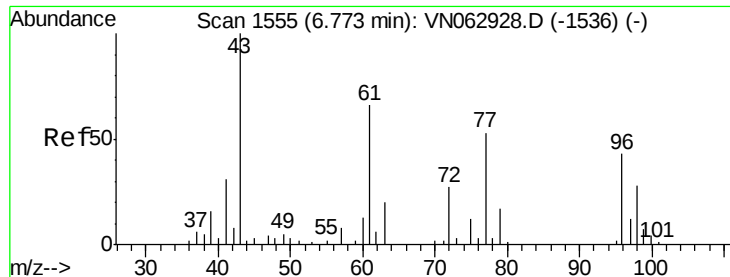
Tgt Ion: 75 Resp: 35481
 Ion Ratio Lower Upper
 75 100
 110 32.5 0.0 65.8
 77 31.7 0.0 59.8



#30
 2-Butanone
 Concen: 85.273 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 43 Resp: 96608
 Ion Ratio Lower Upper
 43 100
 57 8.6 7.0 10.6
 72 27.8 22.0 33.0





#31

2,2-Dichloropropane

Concen: 22.436 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

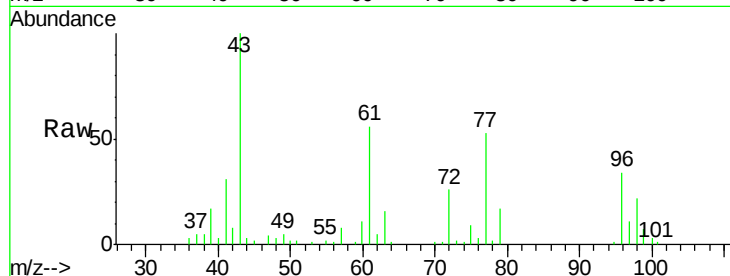
VN0814WBSD01

Tgt Ion: 77 Resp: 49028

Ion Ratio Lower Upper

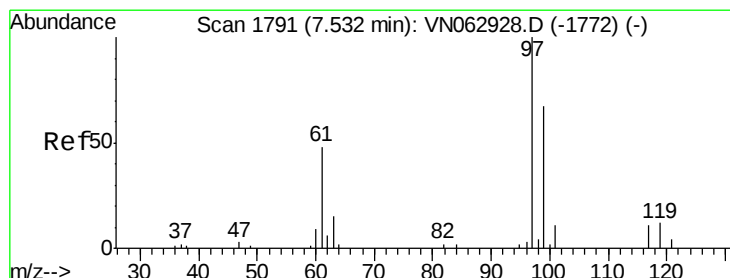
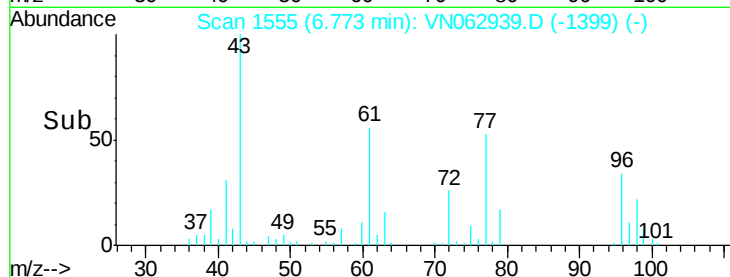
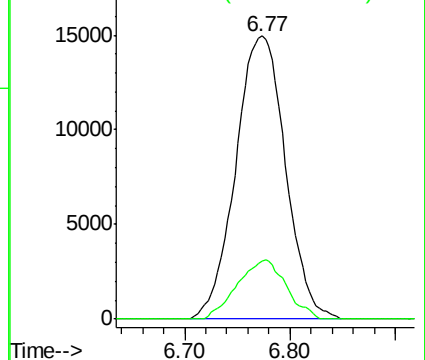
77 100

97 20.5 16.1 24.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 15.922 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

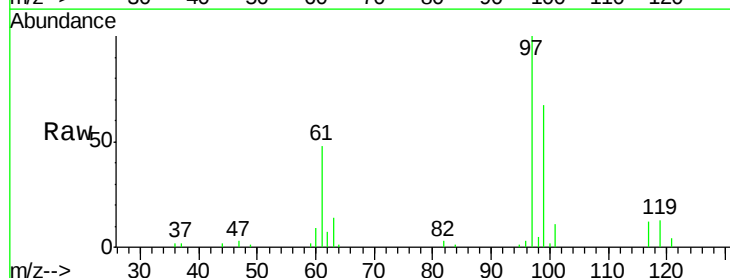
Tgt Ion: 97 Resp: 47877

Ion Ratio Lower Upper

97 100

99 65.5 53.8 80.8

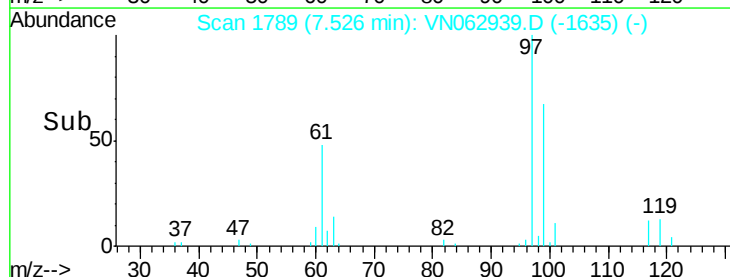
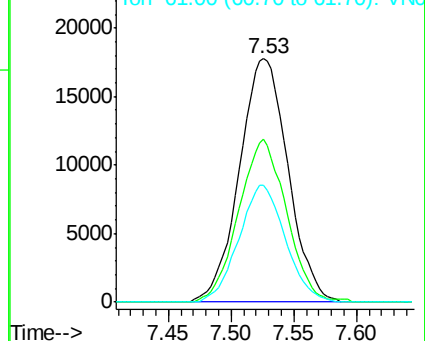
61 46.0 36.3 54.5

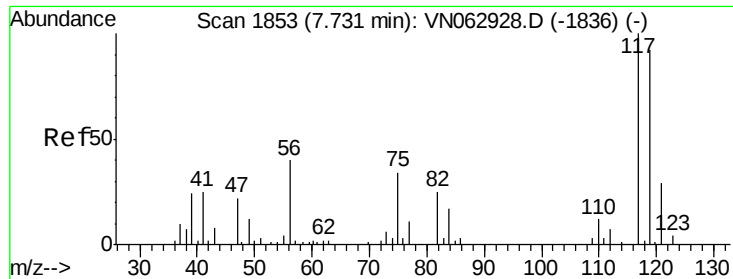


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

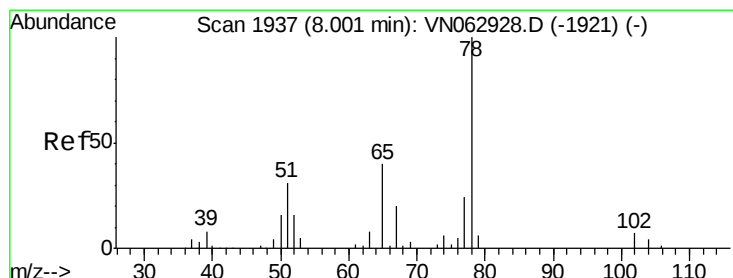
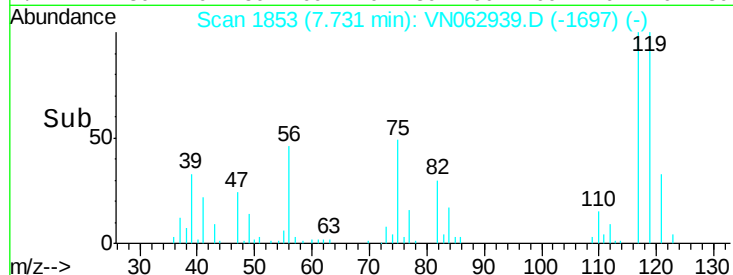
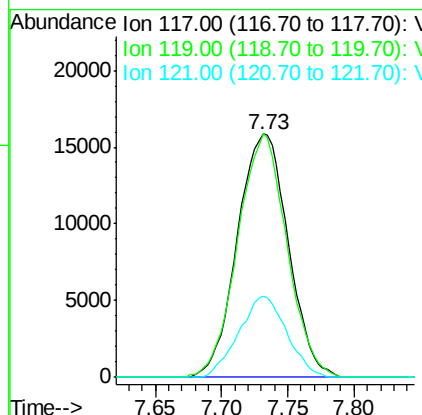
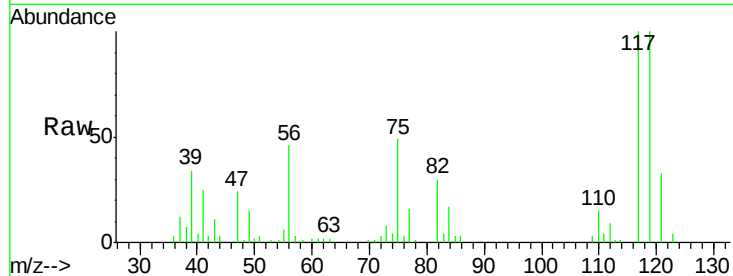




#33
Carbon Tetrachloride
Concen: 15.886 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

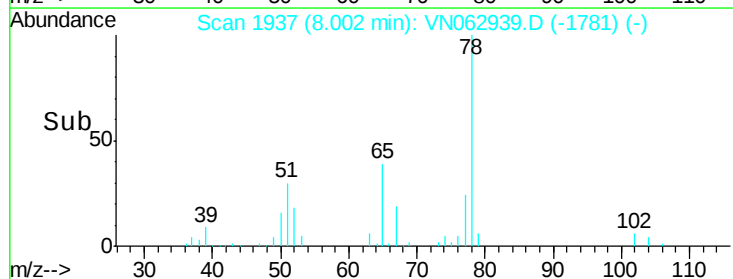
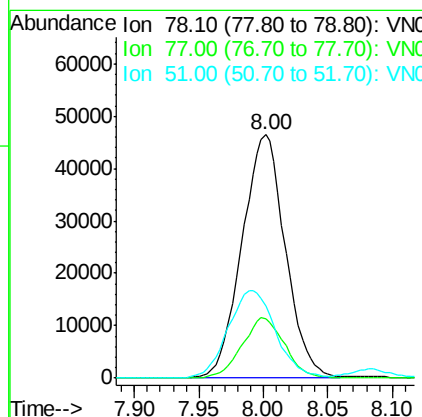
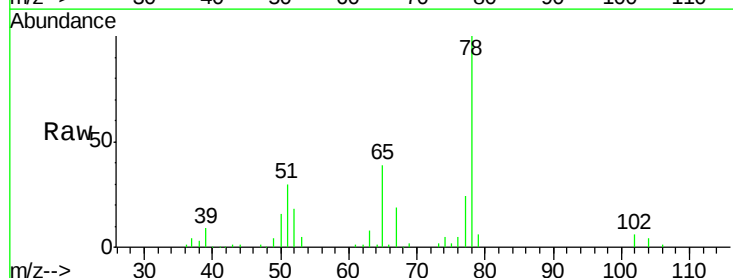
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

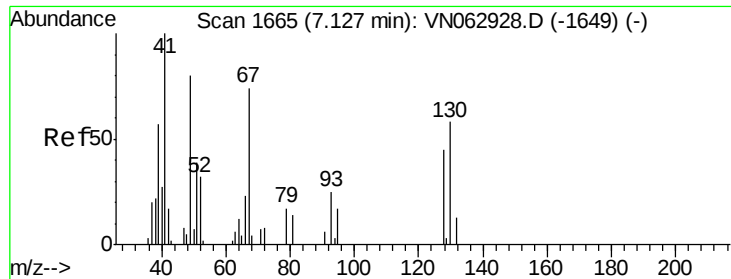
Tgt Ion: 117 Resp: 42359
Ion Ratio Lower Upper
117 100
119 99.8 73.9 110.9
121 33.2 23.2 34.8



#34
Benzene
Concen: 16.521 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Tgt Ion: 78 Resp: 108997
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9
51 29.2 24.9 37.3

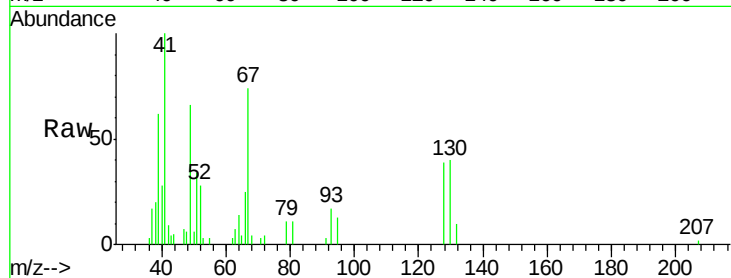




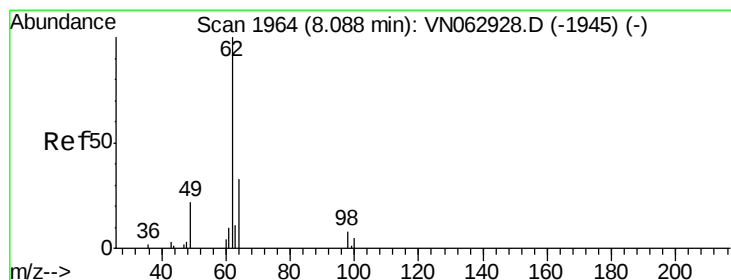
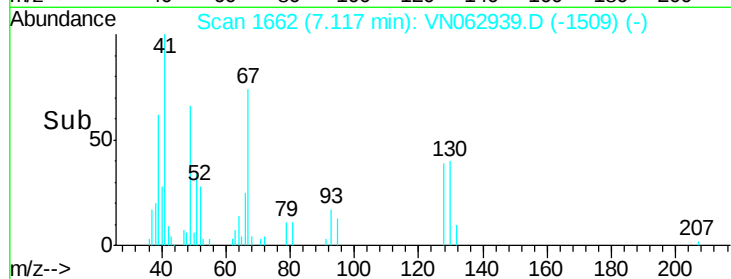
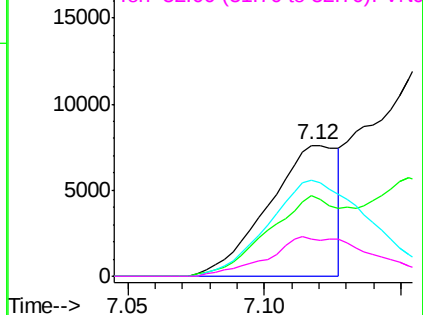
#35
Methacrylonitrile
Concen: 13.434 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD01

Tgt Ion: 41 Resp: 13502
Ion Ratio Lower Upper
41 100
39 61.6 28.7 86.3
67 73.7 36.8 110.3
52 28.1 16.1 48.2

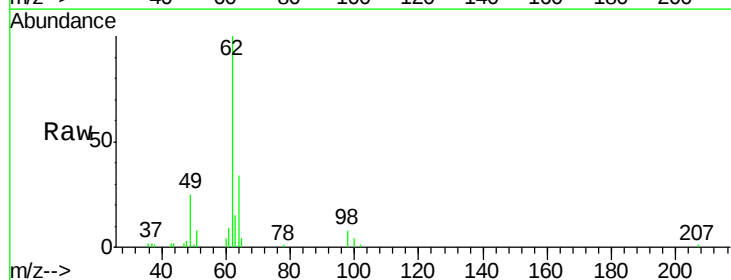


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

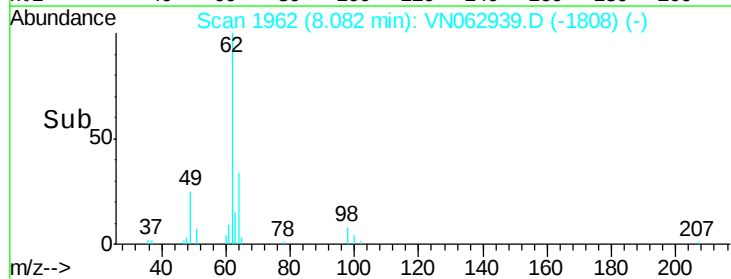
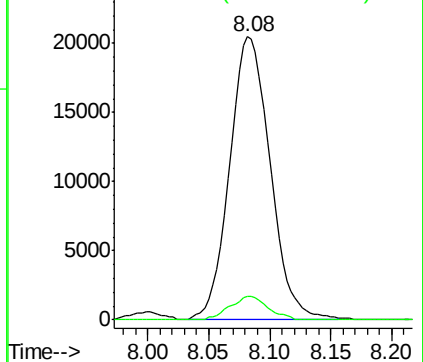


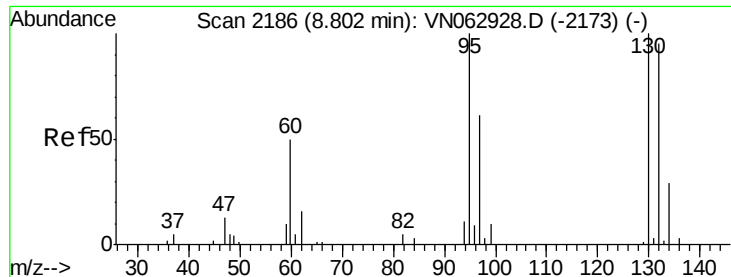
#36
1,2-Dichloroethane
Concen: 16.520 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Tgt Ion: 62 Resp: 47337
Ion Ratio Lower Upper
62 100
98 7.8 6.1 9.1



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

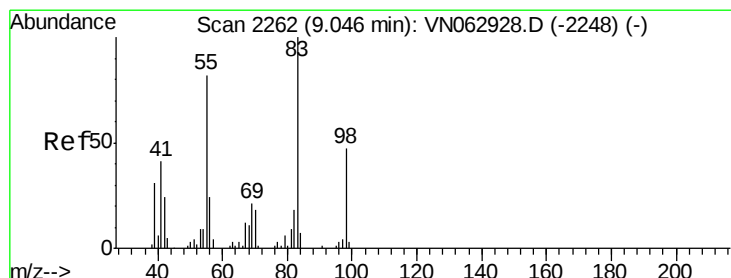
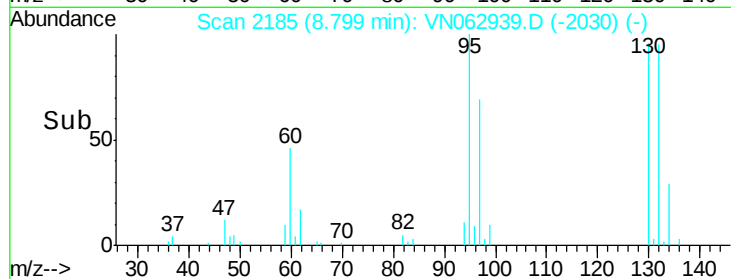
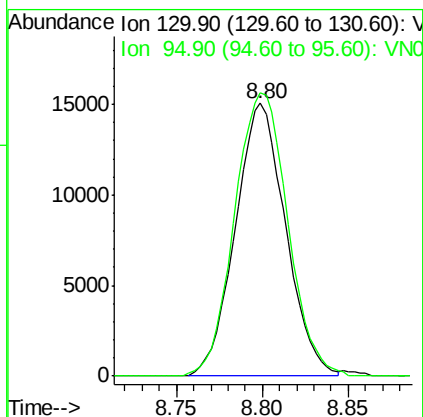
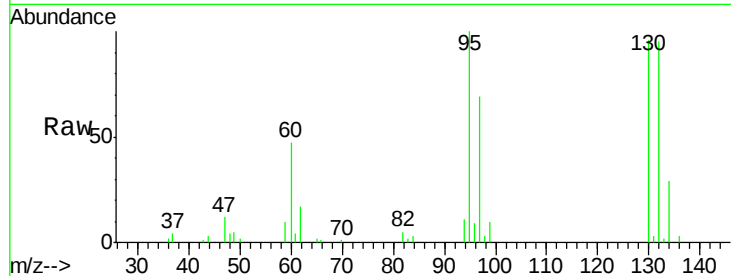




#37
 Trichloroethene
 Concen: 18.724 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

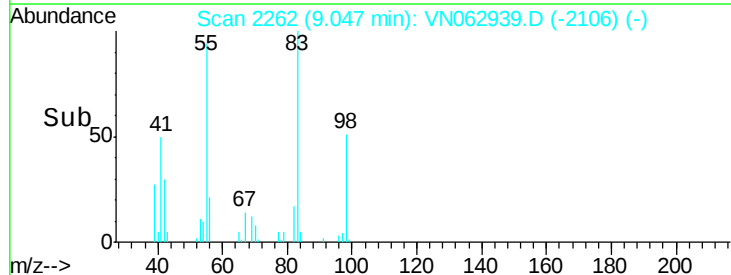
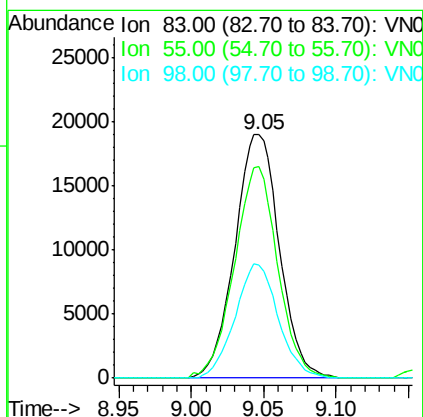
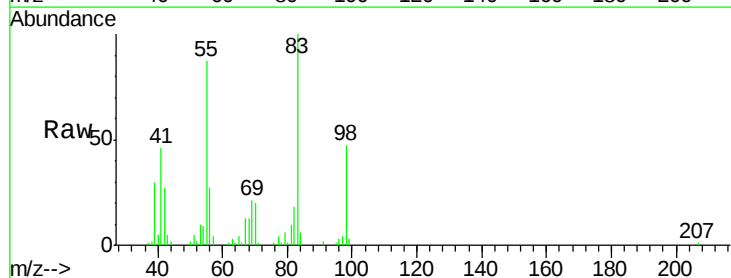
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

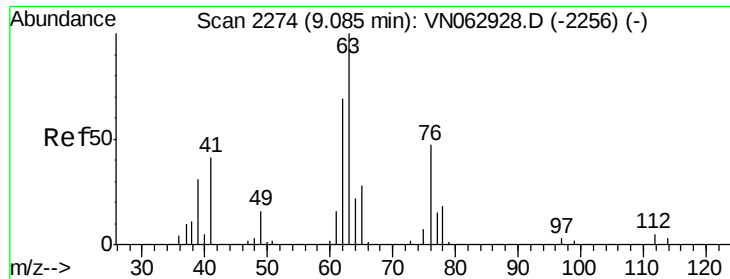
Tgt Ion:130 Resp: 30640
 Ion Ratio Lower Upper
 130 100
 95 102.5 80.1 120.1



#38
 Methylcyclohexane
 Concen: 15.478 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 83 Resp: 40630
 Ion Ratio Lower Upper
 83 100
 55 84.4 40.8 122.5
 98 45.5 22.3 66.8

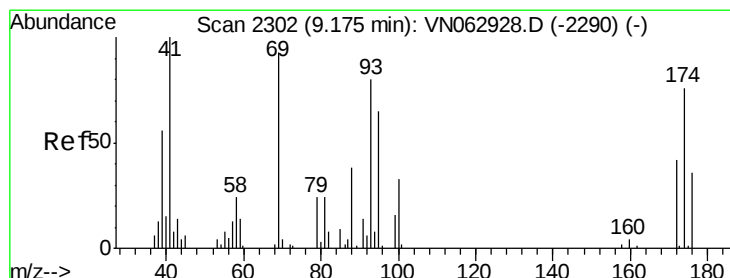
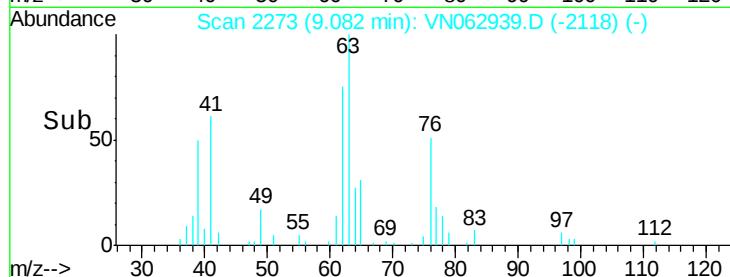
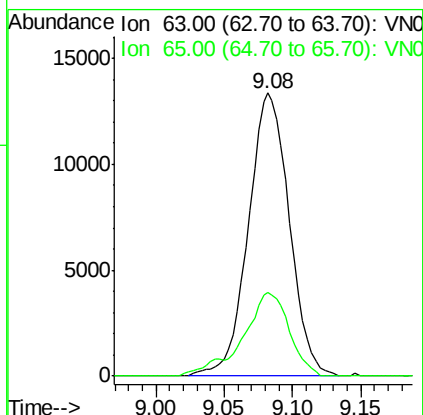
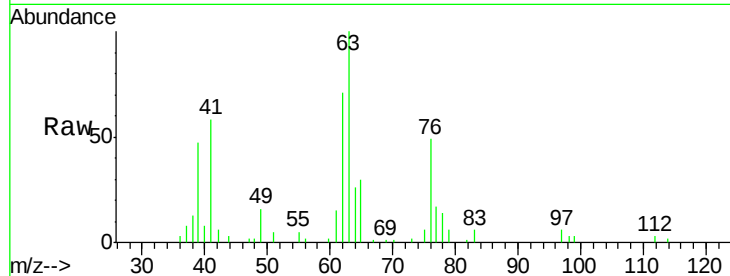




#39
 1,2-Dichloropropane
 Concen: 15.439 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

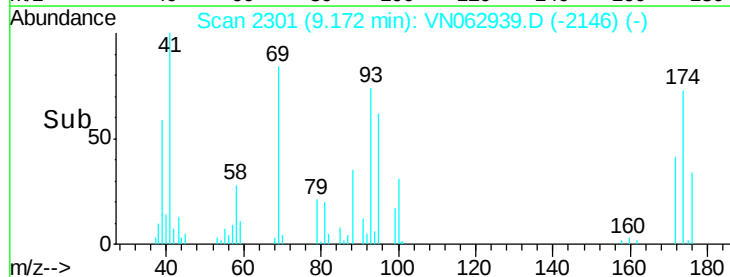
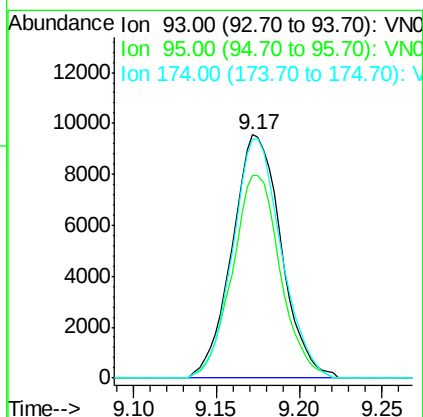
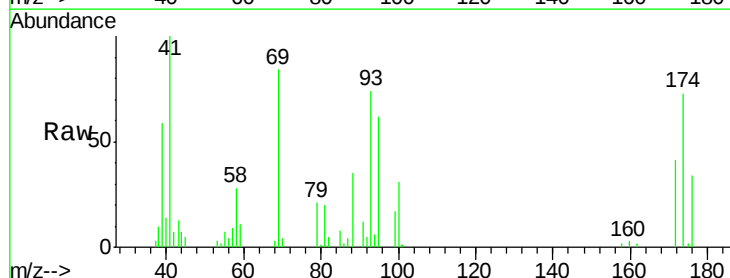
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

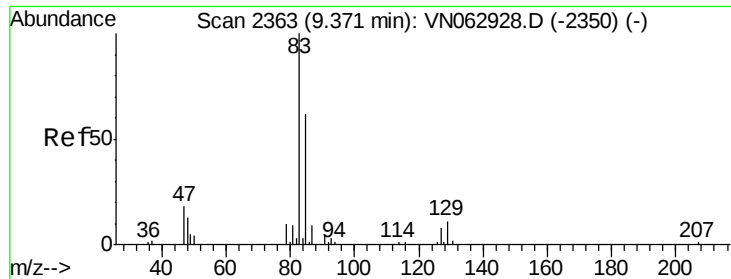
Tgt Ion: 63 Resp: 27804
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6



#40
 Dibromomethane
 Concen: 16.191 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 93 Resp: 19750
 Ion Ratio Lower Upper
 93 100
 95 81.1 0.0 161.8
 174 96.9 0.0 190.0

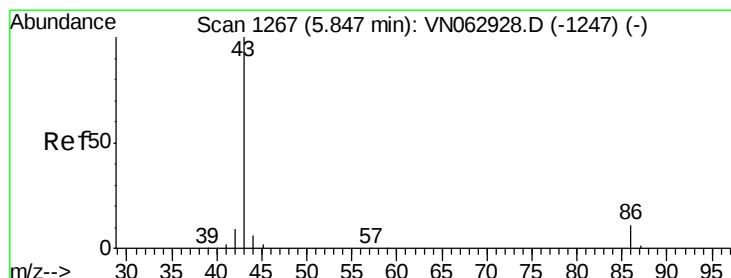
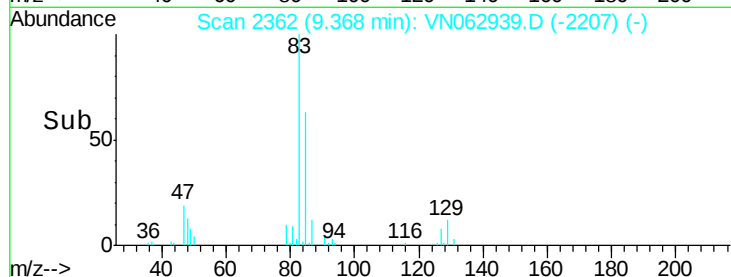
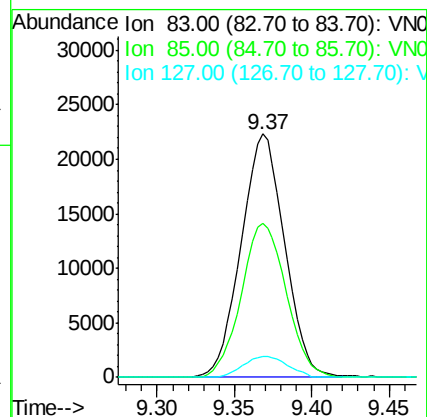
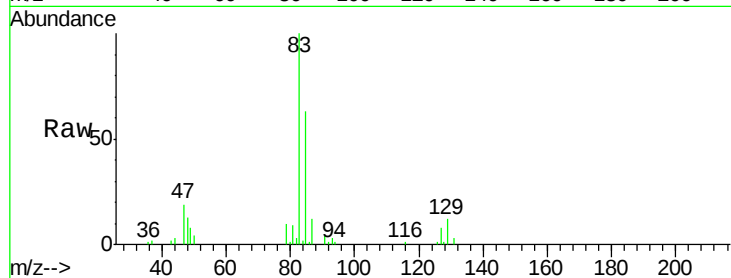




#41
 Bromodichloromethane
 Concen: 15.957 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

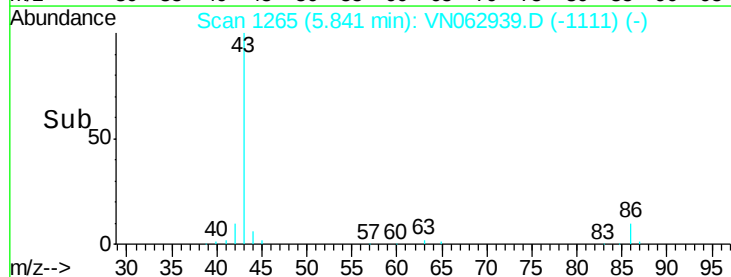
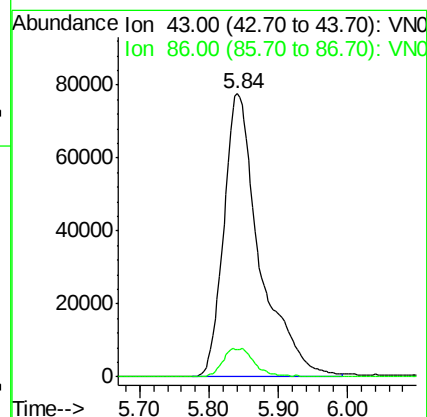
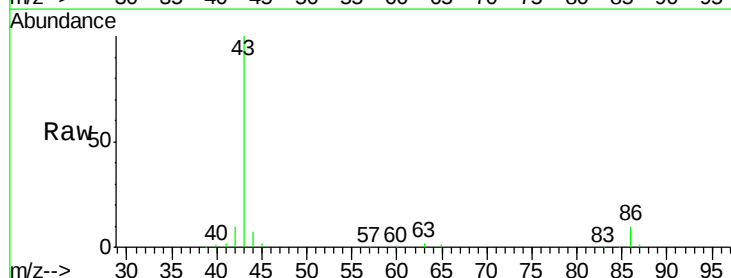
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

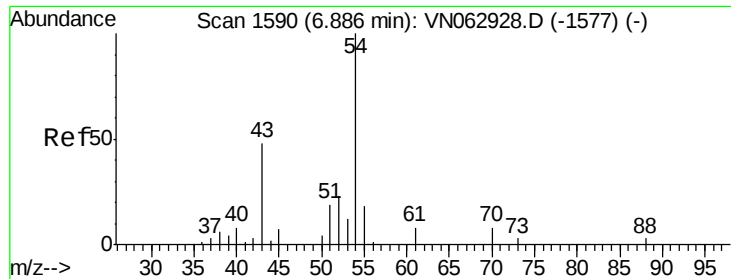
Tgt Ion: 83 Resp: 43685
 Ion Ratio Lower Upper
 83 100
 85 63.3 49.9 74.9
 127 8.4 7.1 10.7



#42
 Vinyl Acetate
 Concen: 73.331 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 43 Resp: 280815
 Ion Ratio Lower Upper
 43 100
 86 4.2 7.1 10.7#





#43

Ethyl Acetate

Concen: 15.599 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

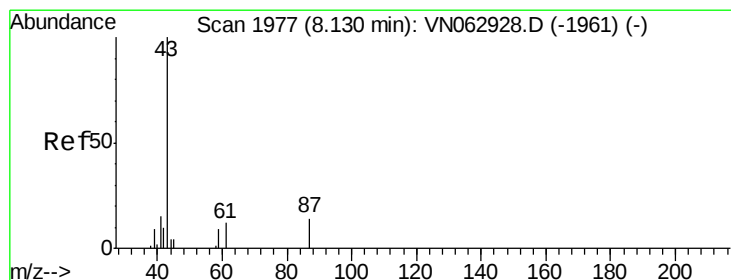
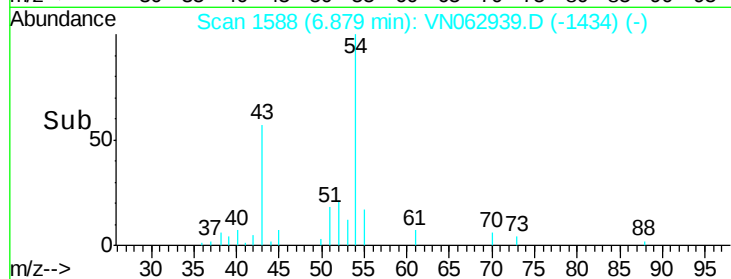
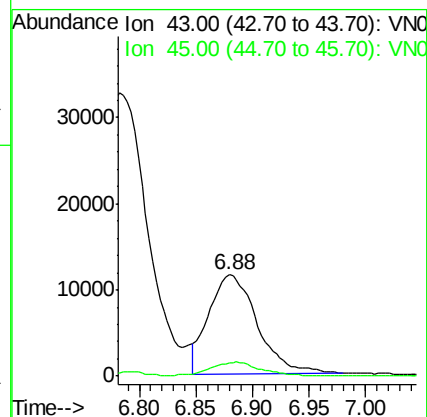
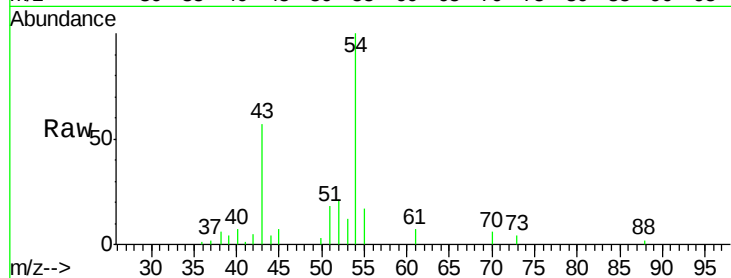
VN0814WBSD01

Tgt Ion: 43 Resp: 34715

Ion Ratio Lower Upper

43 100

45 14.3 6.6 9.8#



#44

Isopropyl Acetate

Concen: 15.946 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.01 min

Lab File: VN062939.D

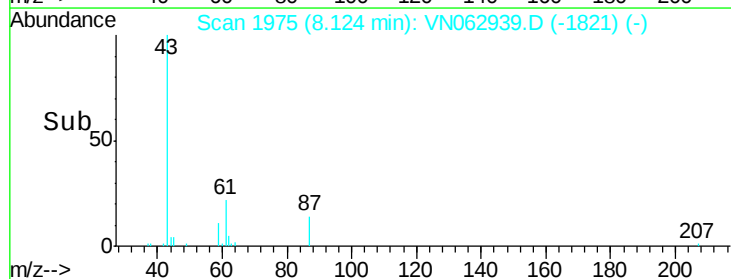
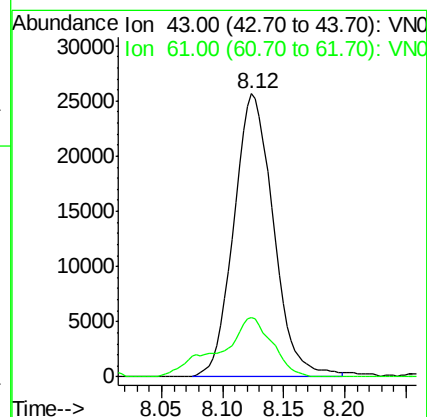
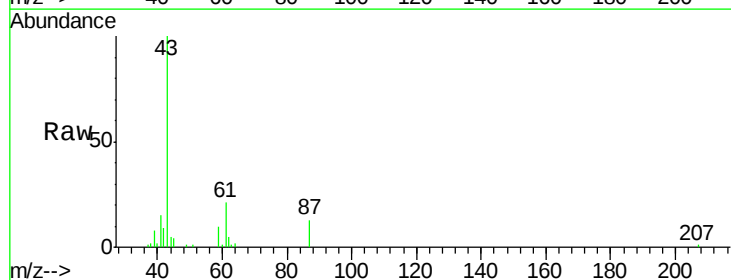
Acq: 14 Aug 2020 16:40

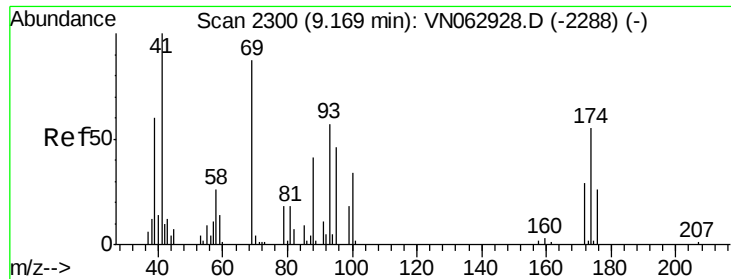
Tgt Ion: 43 Resp: 57949

Ion Ratio Lower Upper

43 100

61 18.6 17.2 25.8

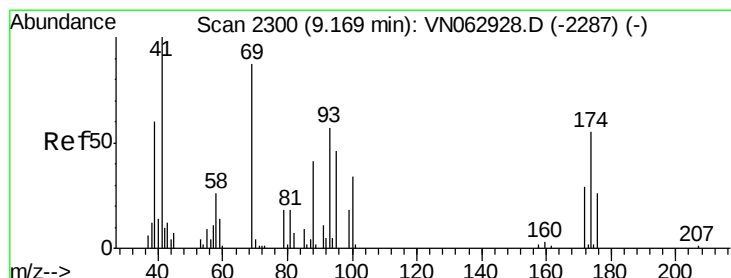
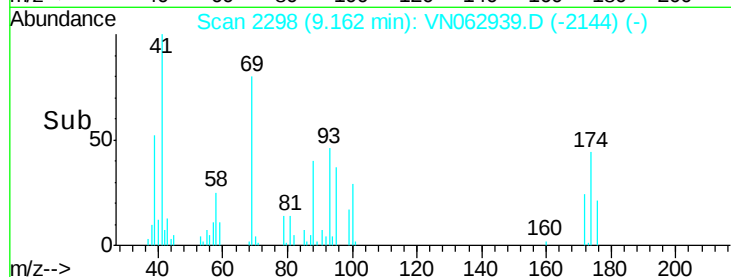
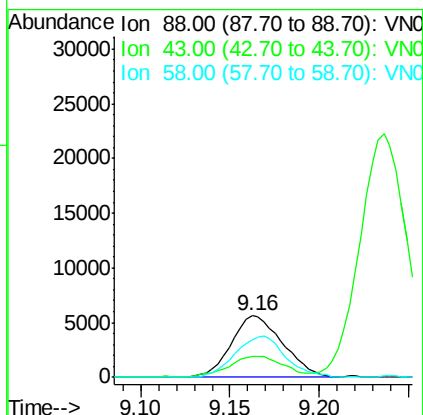
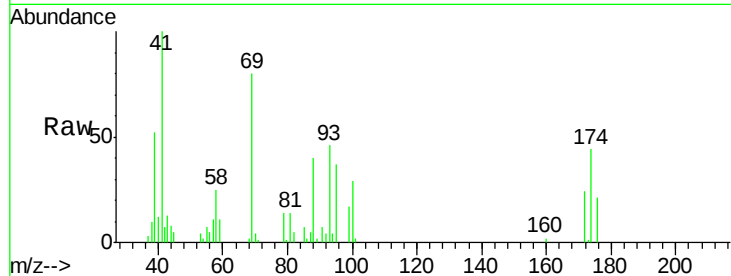




#45
 1,4-Dioxane
 Concen: 316.411 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.01 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

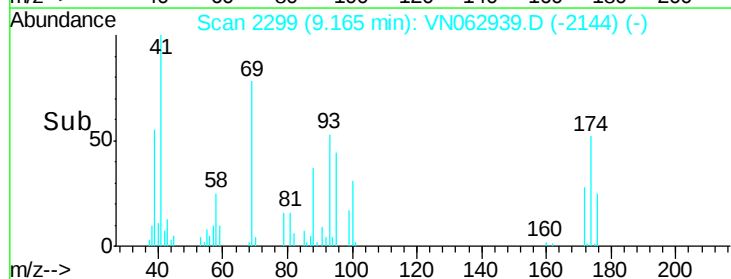
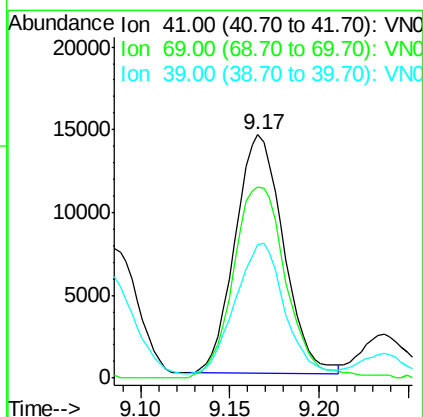
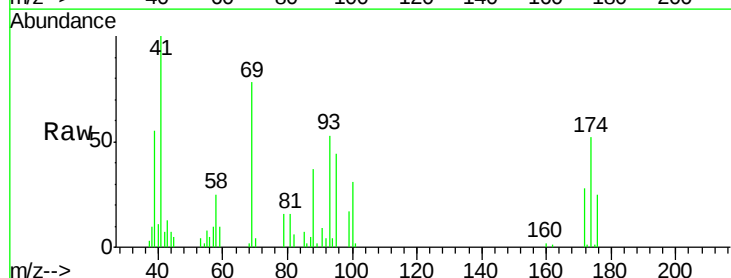
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

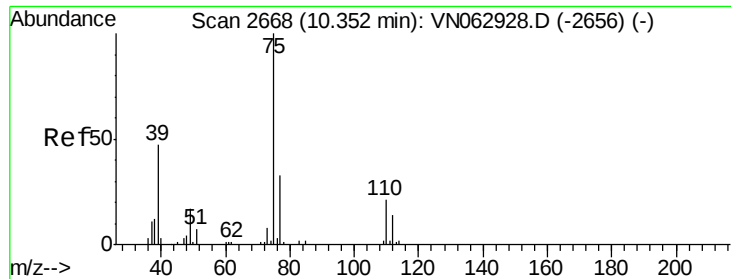
Tgt Ion: 88 Resp: 11261
 Ion Ratio Lower Upper
 88 100
 43 36.4 26.0 39.0
 58 65.6 54.2 81.2



#46
 Methyl methacrylate
 Concen: 15.004 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 41 Resp: 27266
 Ion Ratio Lower Upper
 41 100
 69 80.0 43.6 130.9
 39 53.9 29.9 89.8





#48

t-1,3-Dichloropropene

Concen: 15.090 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

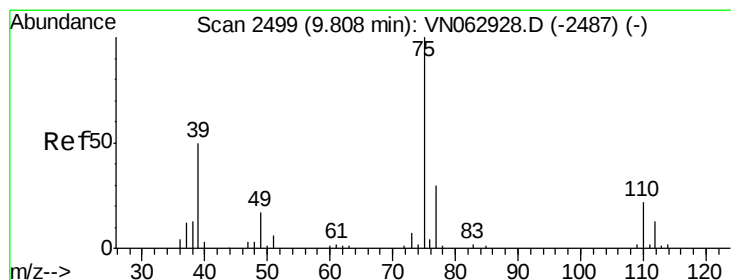
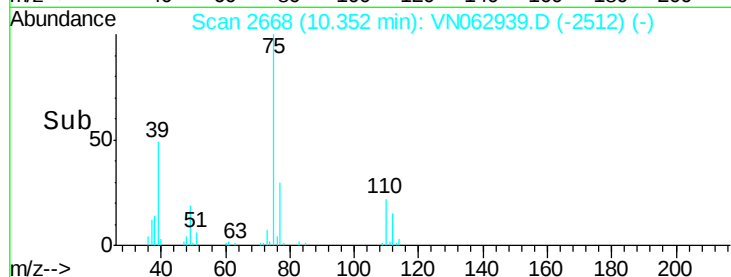
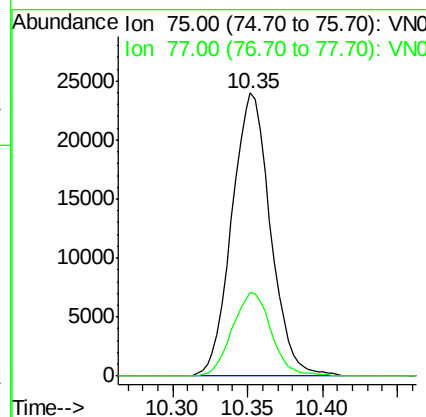
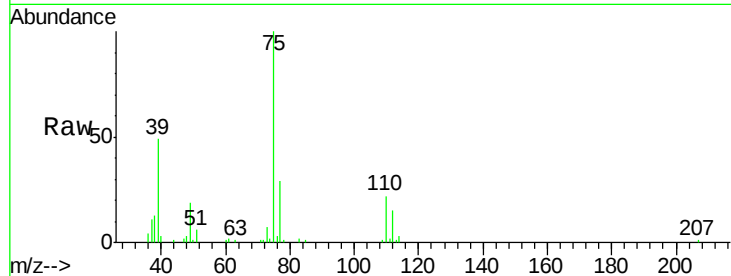
VN0814WBSD01

Tgt Ion: 75 Resp: 43156

Ion Ratio Lower Upper

75 100

77 29.4 26.2 39.2



#49

cis-1,3-Dichloropropene

Concen: 15.836 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

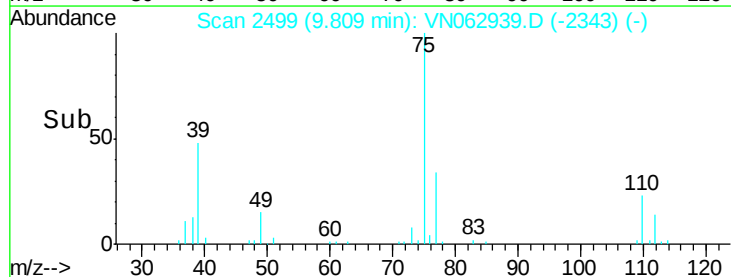
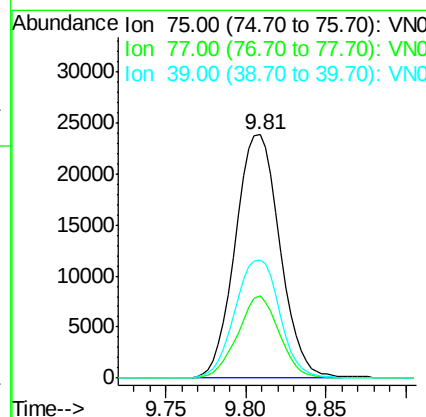
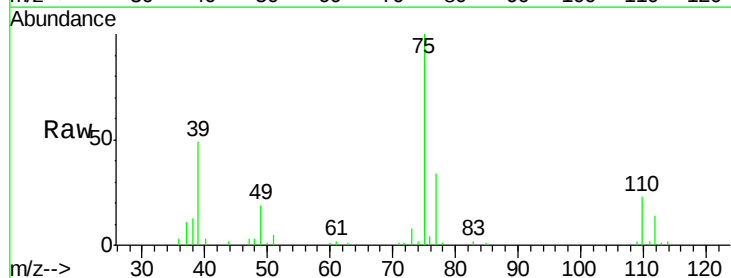
Tgt Ion: 75 Resp: 45511

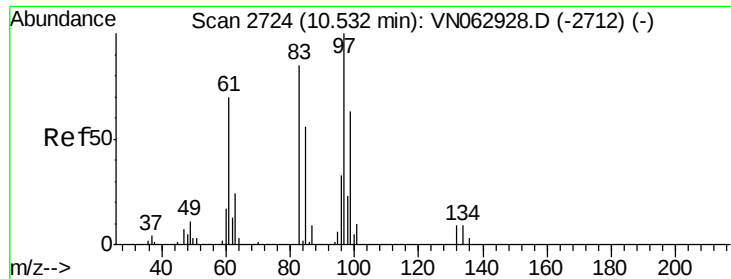
Ion Ratio Lower Upper

75 100

77 33.6 24.4 36.6

39 48.7 40.2 60.4

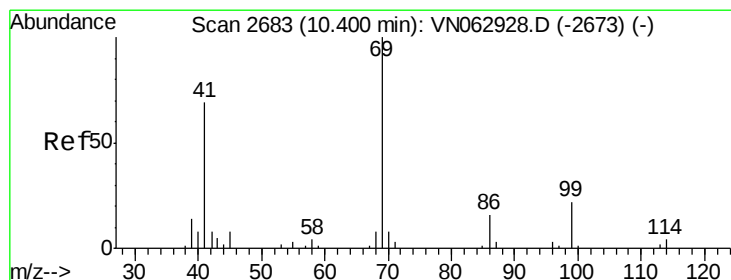
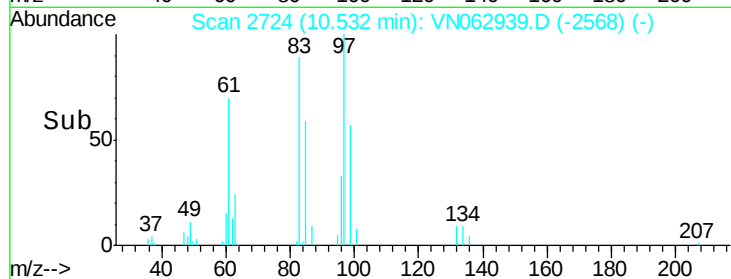
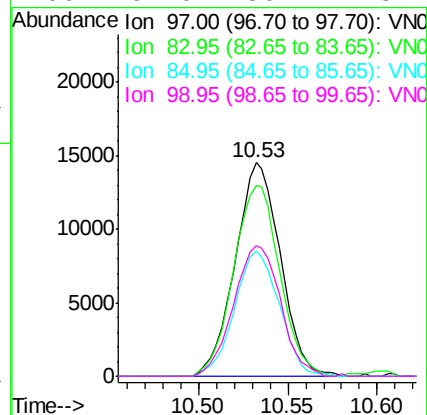
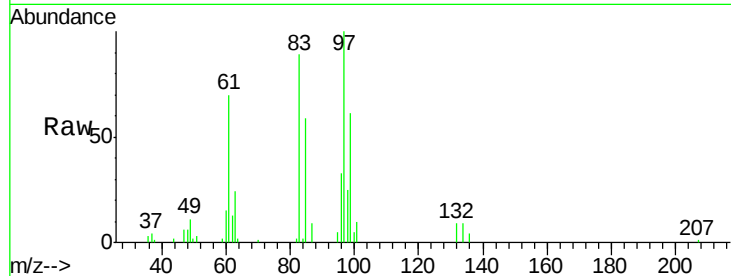




#50
 1,1,2-Trichloroethane
 Concen: 14.619 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

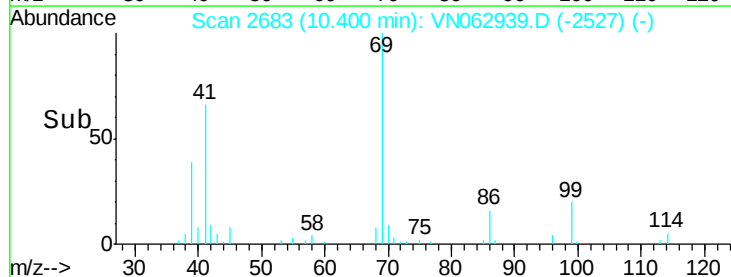
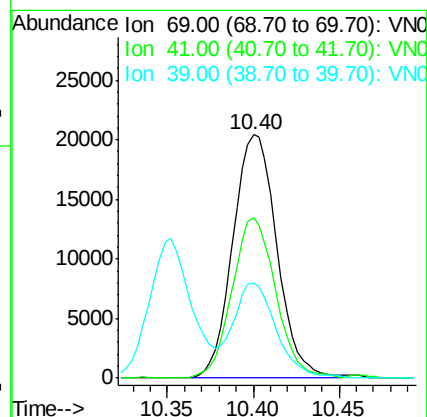
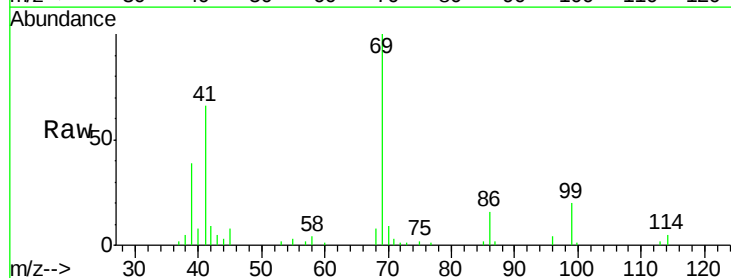
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

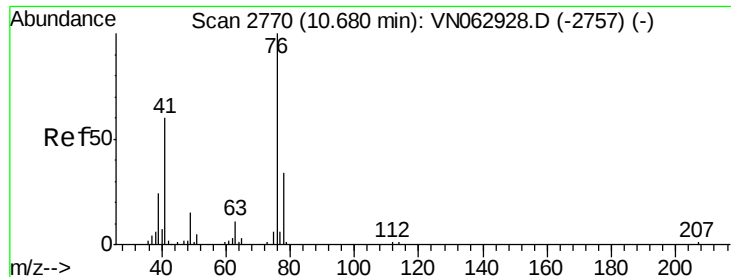
Tgt Ion:	97	Resp:	25630
Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.8	101.6
85	58.5	44.5	66.7
99	61.0	50.1	75.1



#51
 Ethyl methacrylate
 Concen: 13.625 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion:	69	Resp:	36363
Ion	Ratio	Lower	Upper
69	100		
41	66.0	34.8	104.3
39	38.4	18.6	55.8





#52

1,3-Dichloropropane

Concen: 14.400 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

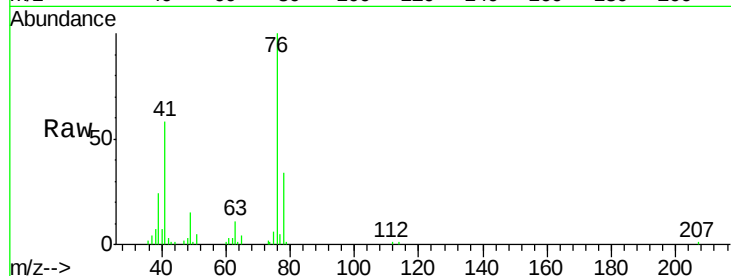
VN0814WBSD01

Tgt Ion: 76 Resp: 43619

Ion Ratio Lower Upper

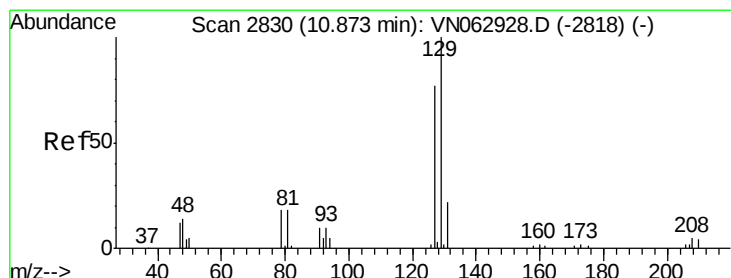
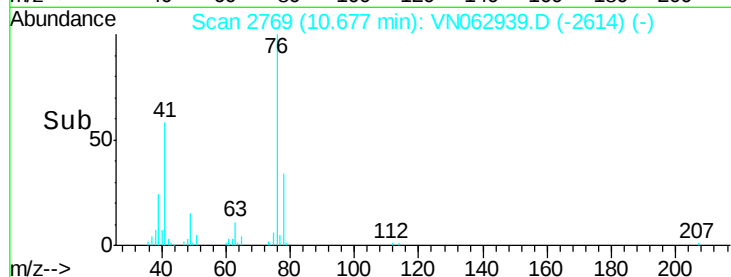
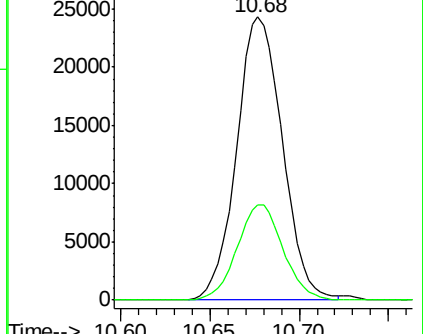
76 100

78 33.8 0.0 66.2



Abundance Ion 76.00 (75.70 to 76.70): VN062928.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN062928.D (-2757) (-)



#53

Dibromochloromethane

Concen: 15.354 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062939.D

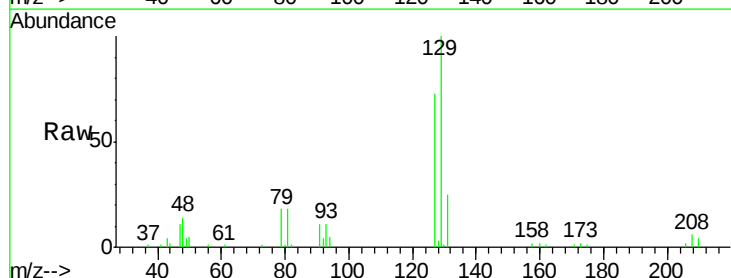
Acq: 14 Aug 2020 16:40

Tgt Ion: 129 Resp: 32177

Ion Ratio Lower Upper

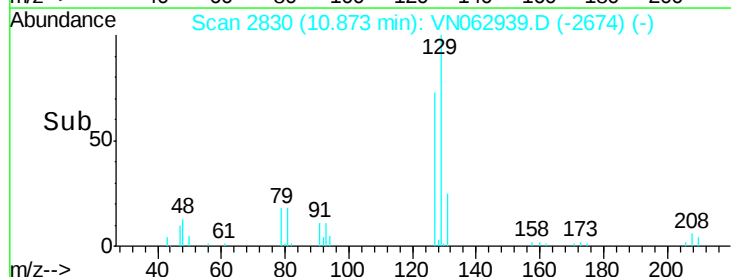
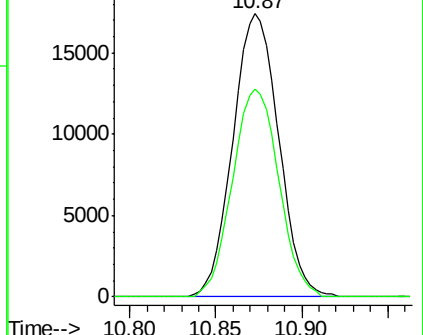
129 100

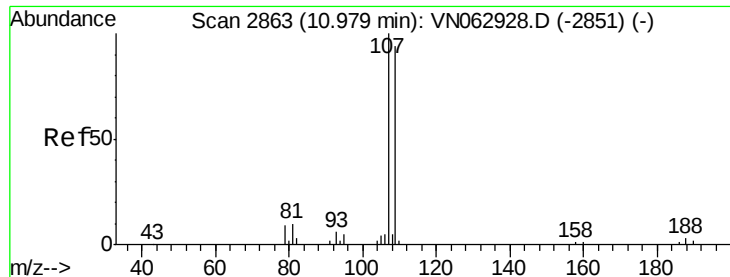
127 74.2 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): VN062928.D (-2818) (-)

Ion 127.00 (126.70 to 127.70): VN062928.D (-2818) (-)





#54

1,2-Dibromoethane

Concen: 14.344 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

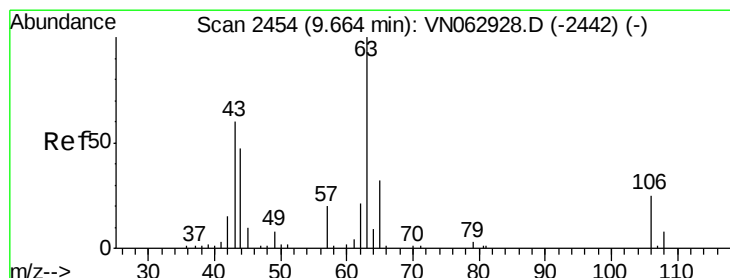
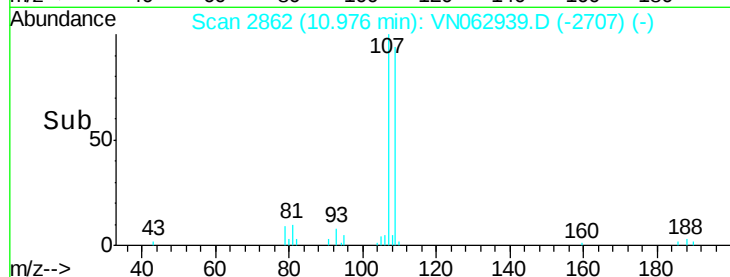
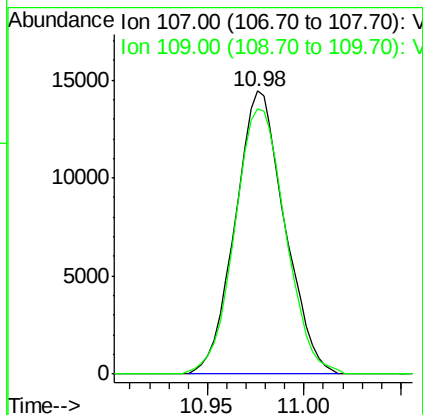
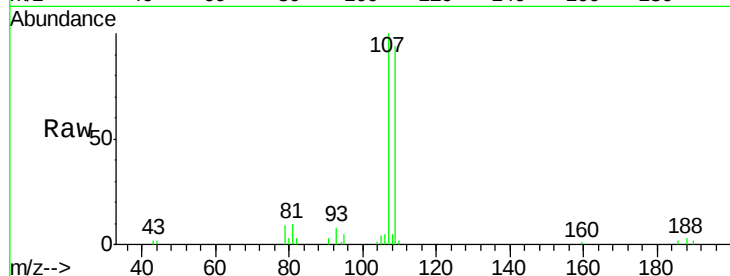
VN0814WBSD01

Tgt Ion: 107 Resp: 25733

Ion Ratio Lower Upper

107 100

109 96.0 76.9 115.3



#55

2-Chloroethyl vinyl ether

Concen: 92.136 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

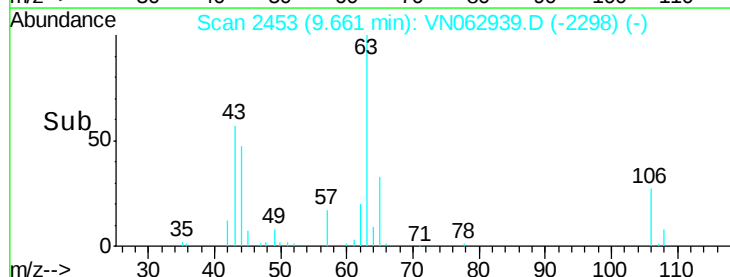
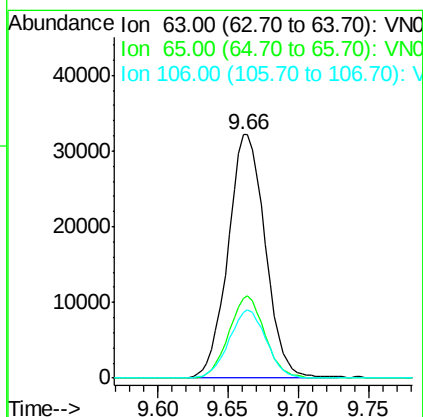
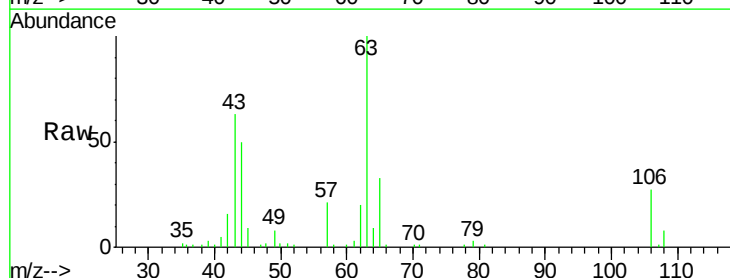
Tgt Ion: 63 Resp: 59506

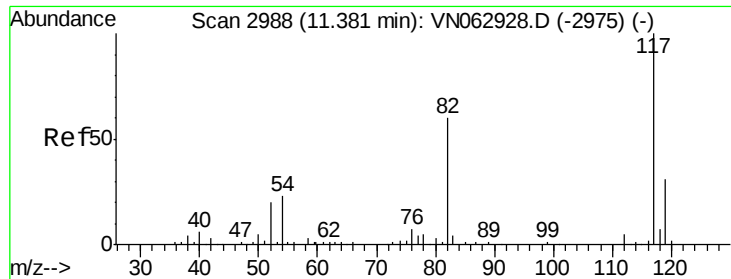
Ion Ratio Lower Upper

63 100

65 32.5 25.8 38.8

106 27.8 20.4 30.6

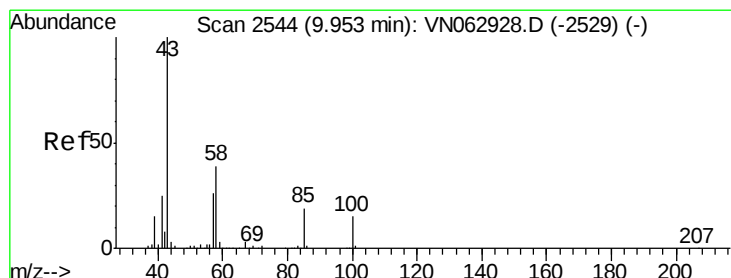
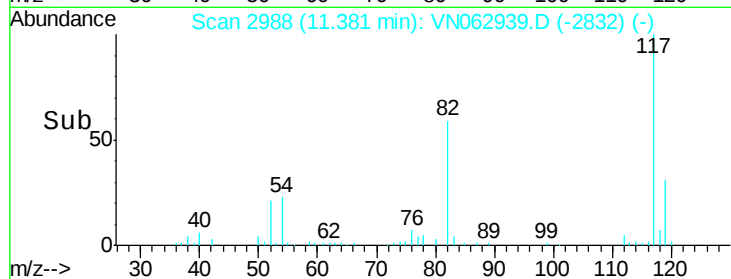
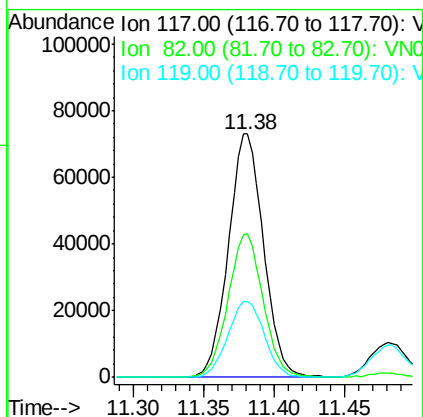
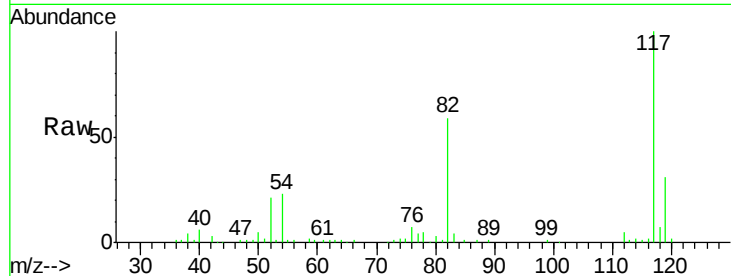




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

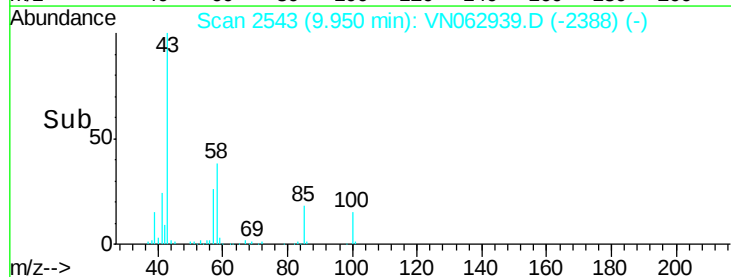
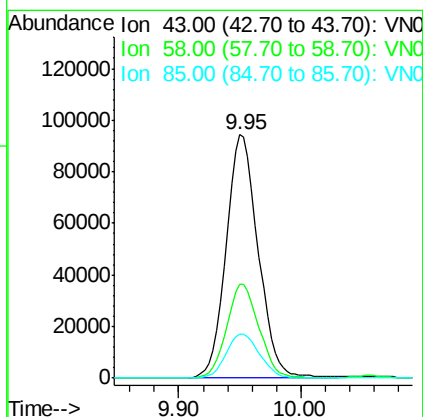
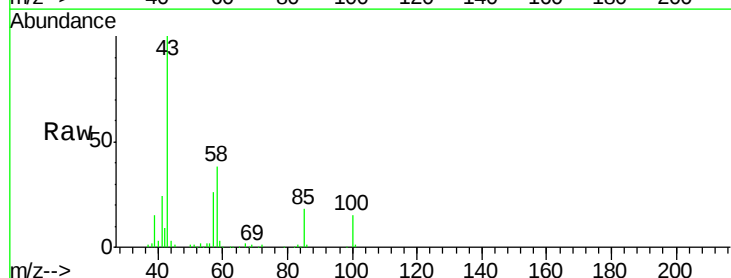
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

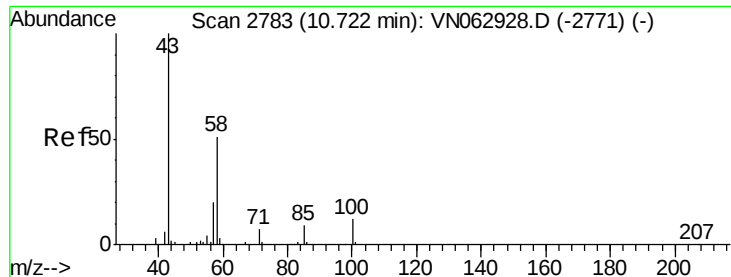
Tgt Ion: 117 Resp: 127348
 Ion Ratio Lower Upper
 117 100
 82 58.9 47.5 71.3
 119 32.4 26.0 39.0



#58
 4-Methyl-2-Pentanone
 Concen: 78.260 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN062939.D
 Acq: 14 Aug 2020 16:40

Tgt Ion: 43 Resp: 173421
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.3 46.9
 85 18.8 15.2 22.8





#59

2-Hexanone

Concen: 74.508 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

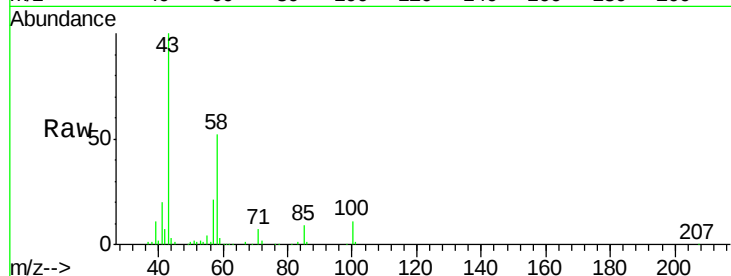
Tgt Ion: 43 Resp: 120555

Ion Ratio Lower Upper

43 100

58 53.4 41.8 62.6

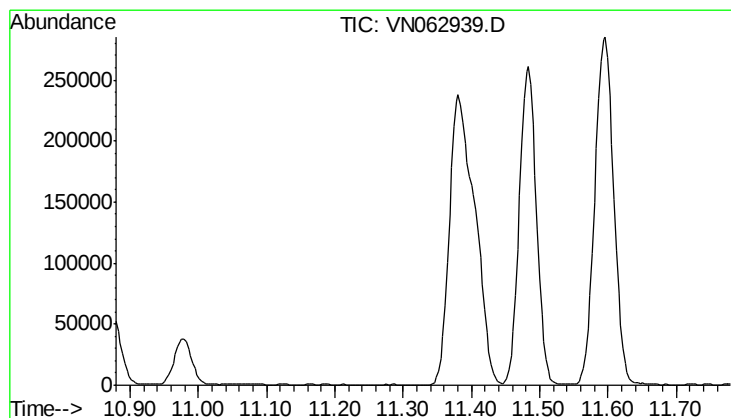
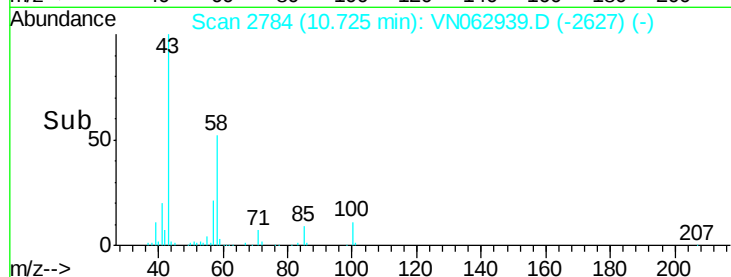
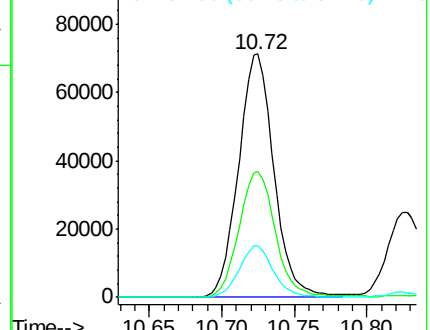
57 20.5 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VN062928.D

Ion 58.00 (57.70 to 58.70): VN062928.D

Ion 57.00 (56.70 to 57.70): VN062928.D



#60

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.38 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

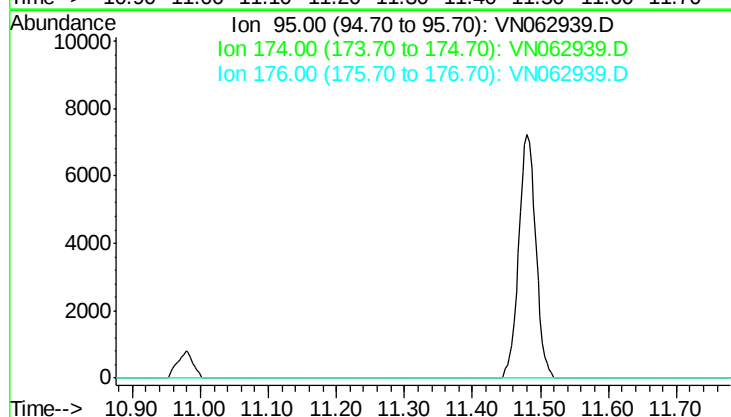
Tgt Ion: 95

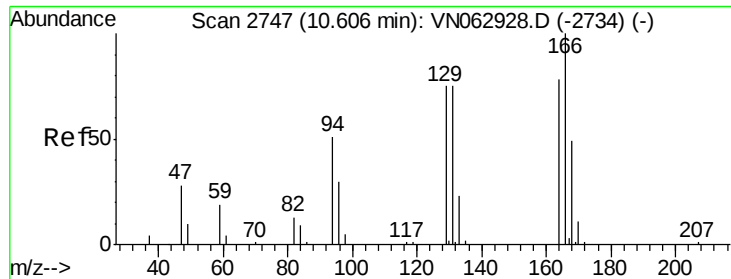
Sig Exp Ratio

95 100

174 76.1

176 72.3





#61

Tetrachloroethene

Concen: 16.861 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion:164 Resp: 22199

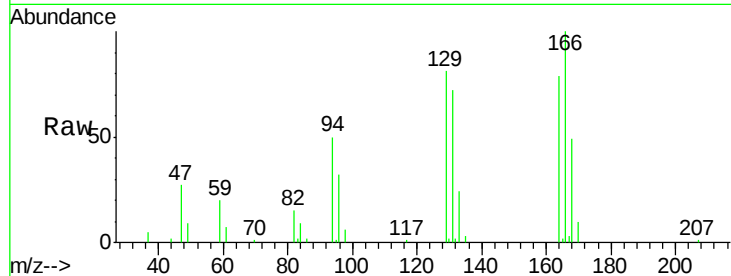
Ion Ratio Lower Upper

164 100

166 126.2 101.9 152.9

129 101.7 76.4 114.6

131 90.6 76.5 114.7

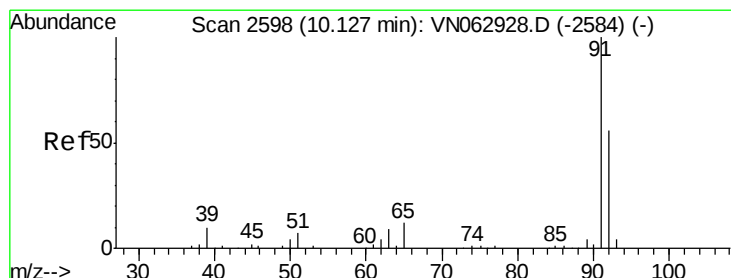
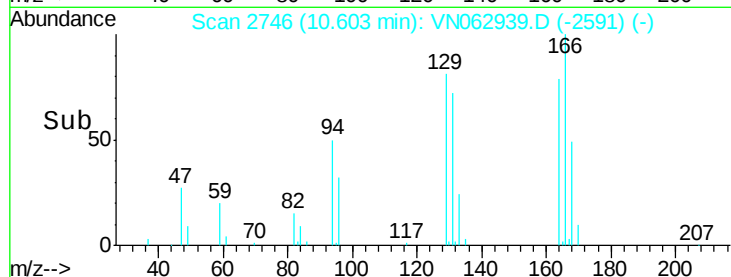
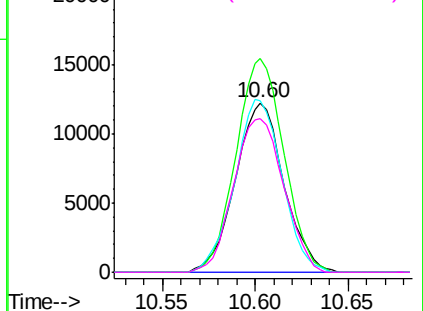


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 16.526 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062939.D

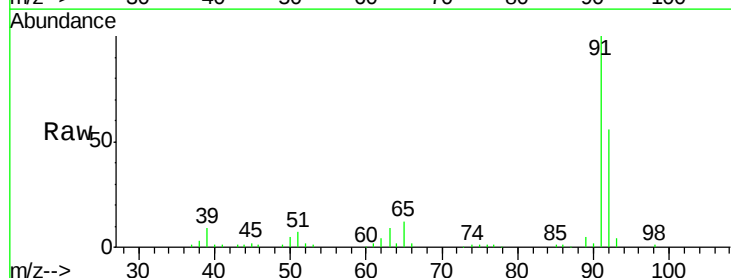
Acq: 14 Aug 2020 16:40

Tgt Ion: 91 Resp: 110962

Ion Ratio Lower Upper

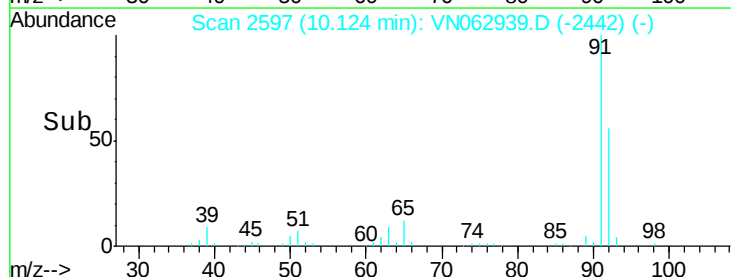
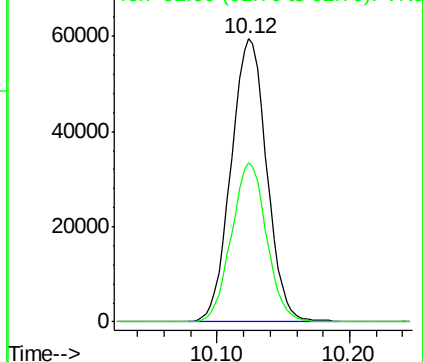
91 100

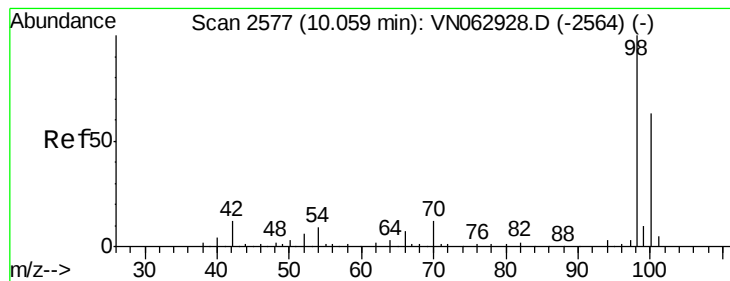
92 55.3 45.2 67.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.184 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

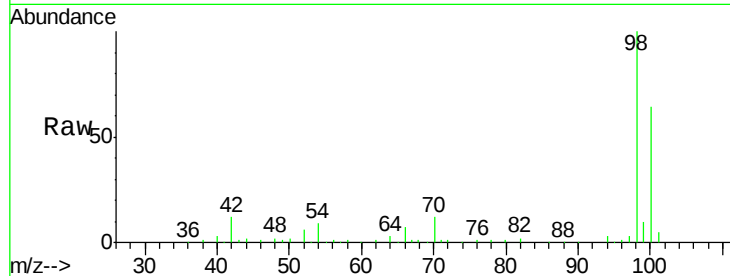
VN0814WBSD01

Tgt Ion: 98 Resp: 185694

Ion Ratio Lower Upper

98 100

100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN062928.D (-2564) (-)

Ion 100.00 (99.70 to 100.70): VN062928.D (-2564) (-)

10.06

100000

80000

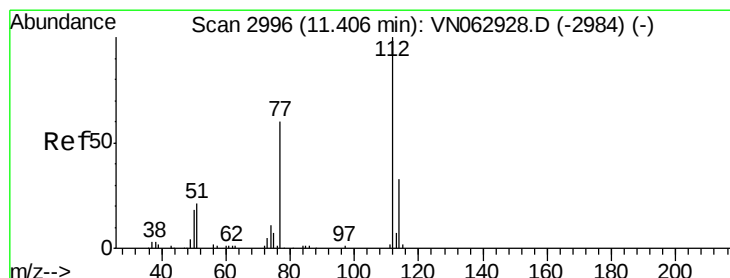
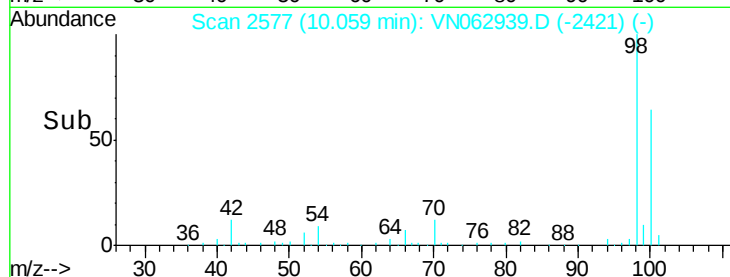
60000

40000

20000

0

Time-->



#64

Chlorobenzene

Concen: 16.159 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062939.D

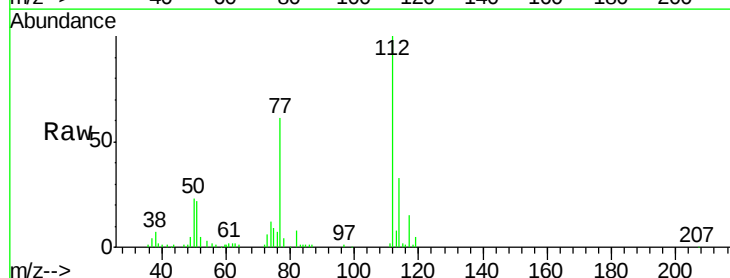
Acq: 14 Aug 2020 16:40

Tgt Ion: 112 Resp: 68064

Ion Ratio Lower Upper

112 100

114 33.2 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN062928.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN062928.D (-2984) (-)

11.41

40000

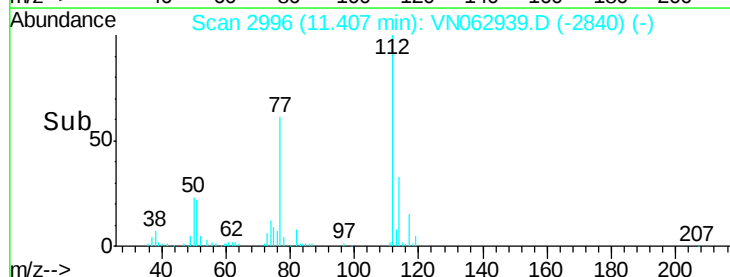
30000

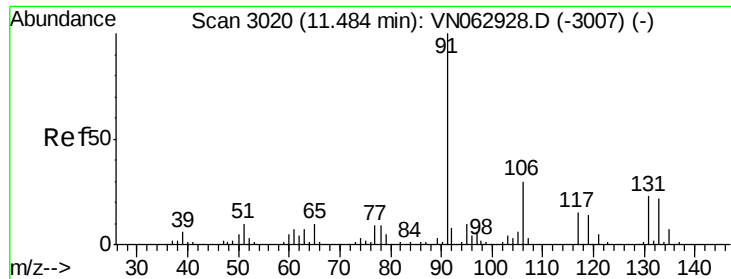
20000

10000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 16.382 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062939.D

Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

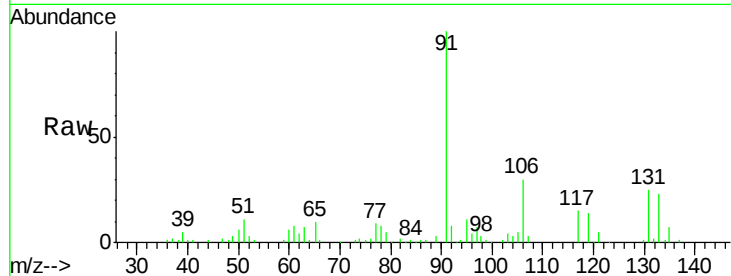
Tgt Ion: 131 Resp: 28534

Ion Ratio Lower Upper

131 100

133 94.9 0.0 192.6

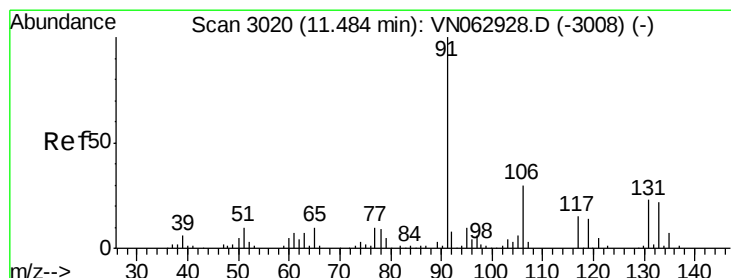
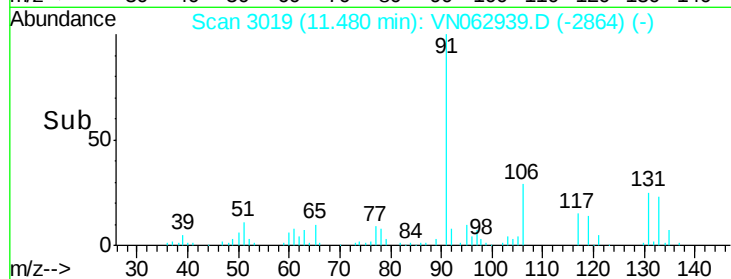
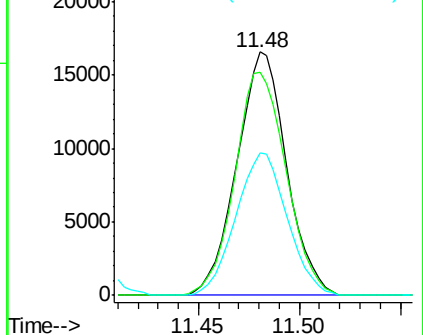
119 60.4 0.0 125.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 15.904 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062939.D

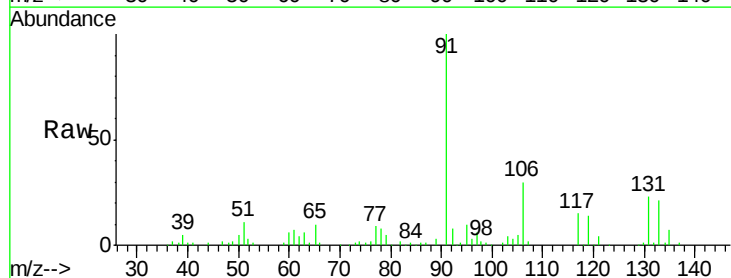
Acq: 14 Aug 2020 16:40

Tgt Ion: 91 Resp: 118882

Ion Ratio Lower Upper

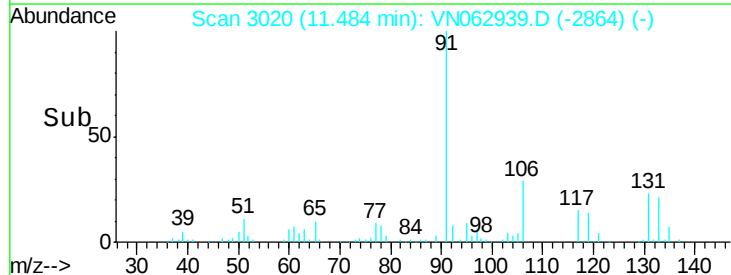
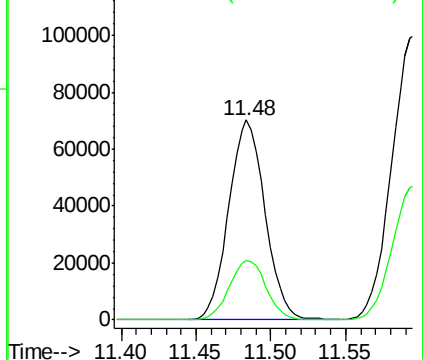
91 100

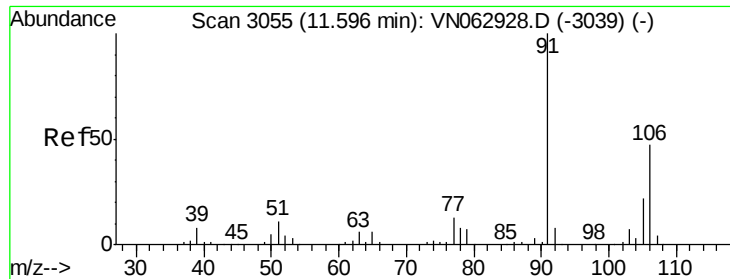
106 29.9 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

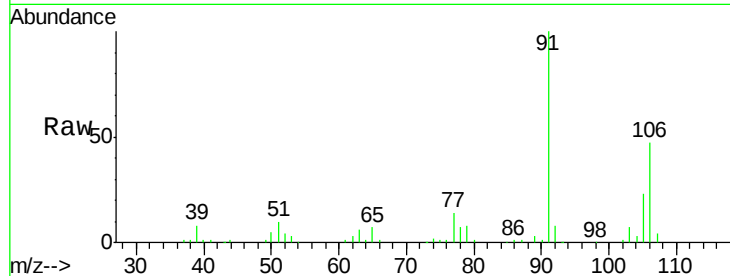




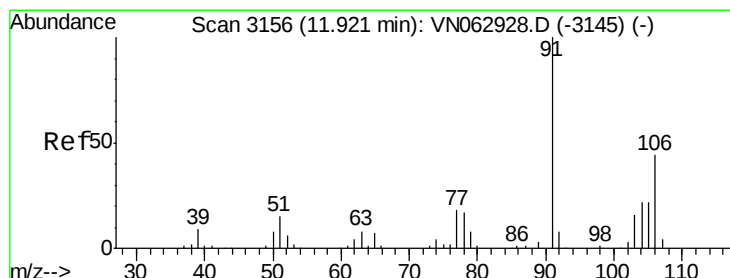
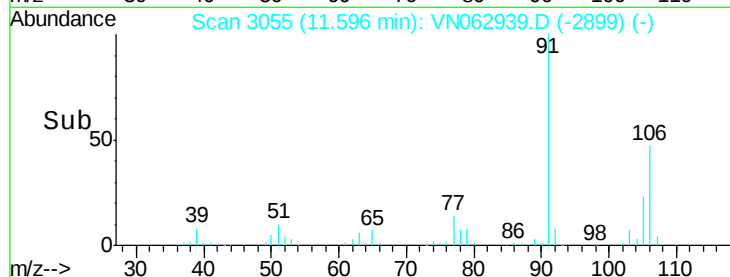
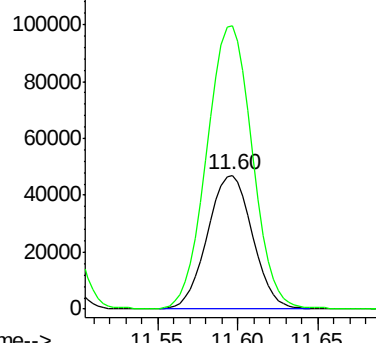
#67
m/p-Xylenes
Concen: 32.648 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion:106 Resp: 90340
Ion Ratio Lower Upper
106 100
91 213.2 171.0 256.6

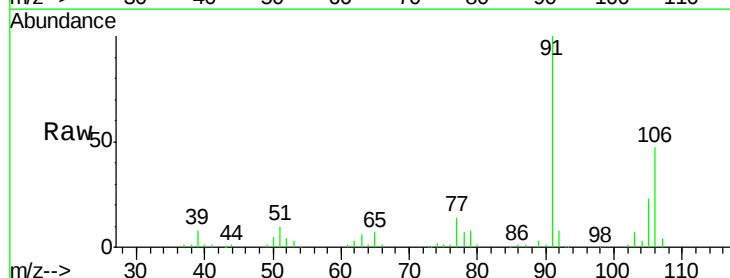


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

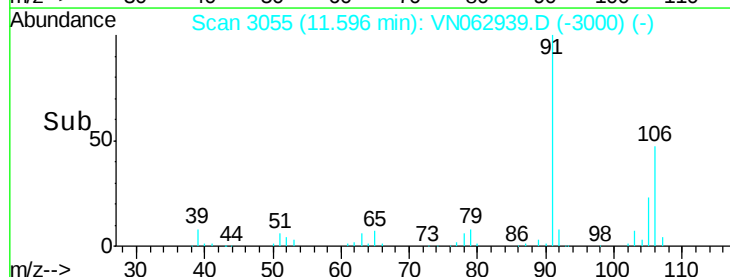
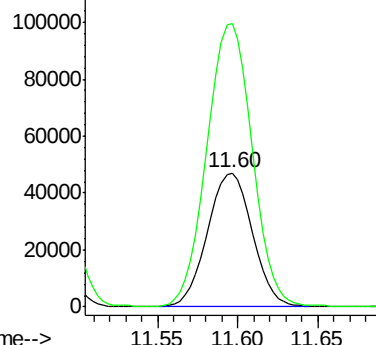


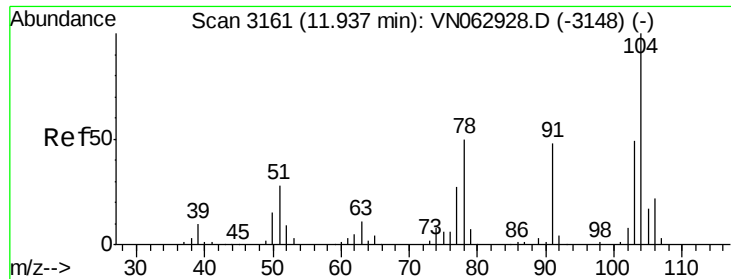
#68
o-Xylene
Concen: 34.010 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.32 min
Lab File: VN062939.D
Acq: 14 Aug 2020 16:40

Tgt Ion:106 Resp: 90340
Ion Ratio Lower Upper
106 100
91 213.2 115.4 346.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#69

Styrene

Concen: 1.101 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.34 min

Lab File: VN062939.D

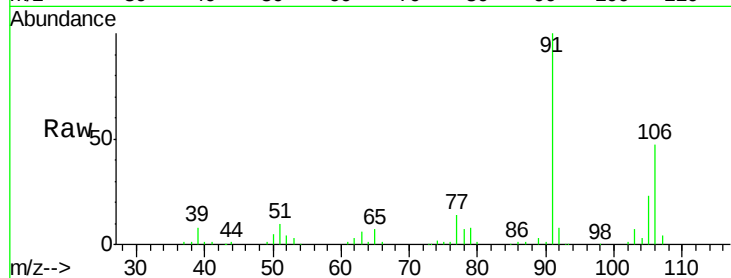
Acq: 14 Aug 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01



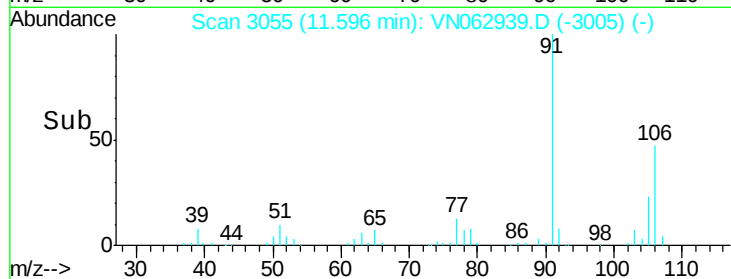
Tgt Ion:104 Resp: 5193

Ion Ratio Lower Upper

104 100

78 269.1 44.4 66.6#

103 252.6 44.0 66.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V

