

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063450.D
 Acq On : 18 Sep 2020 12:09
 Operator : JC/MD
 Sample : VN0918WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Quant Time: Sep 21 01:33:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	290117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	459293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	214385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	222794	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.55	113	157078	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
50) Toluene-d8	10.06	98	608920	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
62) 4-Bromofluorobenzene	12.38	95	226809	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	60125	18.293	ug/l 96
3) Chloromethane	2.04	50	72252	16.617	ug/l 99
4) Vinyl Chloride	2.16	62	70573	18.320	ug/l 98
5) Bromomethane	2.54	94	45362	19.832	ug/l 96
6) Chloroethane	2.67	64	42361	17.914	ug/l 93
7) Trichlorofluoromethane	2.99	101	107768	18.750	ug/l 100
8) Diethyl Ether	3.37	74	40488	18.070	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59700	18.470	ug/l 99
10) Methyl Iodide	3.91	142	75101	17.846	ug/l 99
11) Tert butyl alcohol	4.72	59	56263	82.236	ug/l 100
12) 1,1-Dichloroethene	3.70	96	59808	18.268	ug/l 97
13) Acrolein	3.57	56	25305	99.806	ug/l 97
14) Allyl chloride	4.28	41	112892	17.432	ug/l 99
15) Acrylonitrile	4.93	53	151159	86.859	ug/l 99
16) Acetone	3.77	43	131020	82.549	ug/l 98
17) Carbon Disulfide	4.01	76	161391	16.947	ug/l 98
18) Methyl Acetate	4.28	43	71737	17.804	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	213820	17.523	ug/l 99
20) Methylene Chloride	4.50	84	71726	17.837	ug/l 99
21) trans-1,2-Dichloroethene	4.99	96	63673	17.554	ug/l 95
22) Diisopropyl ether	5.90	45	232818	17.628	ug/l 95
23) Vinyl Acetate	5.84	43	959160	88.427	ug/l 99
24) 1,1-Dichloroethane	5.79	63	126992	17.612	ug/l 99
25) 2-Butanone	6.78	43	205769	84.296	ug/l 96
26) 2,2-Dichloropropane	6.78	77	110523	17.409	ug/l 98
27) cis-1,2-Dichloroethene	6.78	96	74420	18.126	ug/l 99
28) Bromochloromethane	7.15	49	62058	18.639	ug/l 99
29) Tetrahydrofuran	7.16	42	138800	83.255	ug/l 99
30) Chloroform	7.33	83	128139	17.712	ug/l 97
31) Cyclohexane	7.61	56	117131	17.173	ug/l 96
32) 1,1,1-Trichloroethane	7.52	97	115365	17.929	ug/l 99
36) 1,1-Dichloropropene	7.75	75	97866	18.392	ug/l 98
37) Ethyl Acetate	6.88	43	88626	16.970	ug/l 98
38) Carbon Tetrachloride	7.73	117	98060	18.053	ug/l 94

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 VN0918WBS01

Quant Time: Sep 21 01:33:14 2020
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 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	103519	17.925	ug/l	97
40) Benzene	8.00	78	280725	18.481	ug/l	99
41) Methacrylonitrile	7.16	41	133570	56.866	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	113190	18.530	ug/l	99
43) Isopropyl Acetate	8.13	43	159828	17.115	ug/l	100
44) Trichloroethene	8.80	130	69156	18.771	ug/l	97
45) 1,2-Dichloropropane	9.08	63	75308	18.203	ug/l	98
46) Dibromomethane	9.17	93	50182	18.455	ug/l	99
47) Bromodichloromethane	9.37	83	101525	17.973	ug/l	95
48) Methyl methacrylate	9.16	41	74748	16.292	ug/l	94
49) 1,4-Dioxane	9.17	88	22648	343.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	464779	88.904	ug/l	100
52) Toluene	10.12	92	172103	18.845	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	113707	18.031	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	120901	18.175	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	66776	18.408	ug/l	98
56) Ethyl methacrylate	10.40	69	100095	17.675	ug/l	99
57) 1,3-Dichloropropane	10.68	76	118533	18.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	256735	86.422	ug/l	97
59) 2-Hexanone	10.72	43	332771	87.861	ug/l	99
60) Dibromochloromethane	10.87	129	74293	18.128	ug/l	96
61) 1,2-Dibromoethane	10.98	107	68075	18.063	ug/l	98
64) Tetrachloroethene	10.60	164	61629	19.706	ug/l	99
65) Chlorobenzene	11.41	112	179041	18.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	66222	18.530	ug/l	100
67) Ethyl Benzene	11.48	91	339487	18.490	ug/l	99
68) m/p-Xylenes	11.60	106	251296	37.961	ug/l	96
69) o-Xylene	11.92	106	119290	18.917	ug/l	99
70) Styrene	11.94	104	199853	18.899	ug/l	99
71) Bromoform	12.10	173	46575	17.494	ug/l #	100
73) Isopropylbenzene	12.22	105	325010	18.918	ug/l	99
74) N-amyl acetate	12.05	43	139227	17.120	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95477	17.949	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	133682	25.193	ug/l #	100
77) Bromobenzene	12.50	156	73100	18.916	ug/l	97
78) n-propylbenzene	12.57	91	377613	18.872	ug/l	99
79) 2-Chlorotoluene	12.65	91	221841	18.495	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	274571	19.166	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	32598	16.842	ug/l	95
82) 4-Chlorotoluene	12.75	91	234814	18.528	ug/l	99
83) tert-Butylbenzene	12.97	119	221382	18.724	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	274382	18.962	ug/l	100
85) sec-Butylbenzene	13.15	105	295261	18.656	ug/l	99
86) p-Isopropyltoluene	13.26	119	268112	19.207	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	133718	18.669	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	135872	18.658	ug/l	98
89) n-Butylbenzene	13.59	91	243926	18.958	ug/l	98
90) Hexachloroethane	13.85	117	46607	17.534	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	131868	18.752	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21075	16.638	ug/l	97

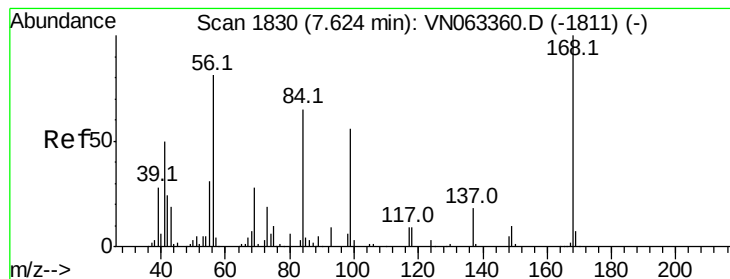
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	75662	18.251	ug/l	99
94) Hexachlorobutadiene	14.98	225	34339	20.008	ug/l	98
95) Naphthalene	15.10	128	238754	17.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	71160	17.765	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

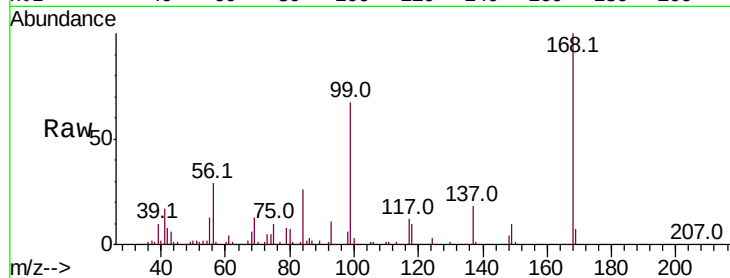
VN0918WBS01

Tot Ion:168 Resp: 290117

Ion Ratio Lower Upper

168 100

99 66.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

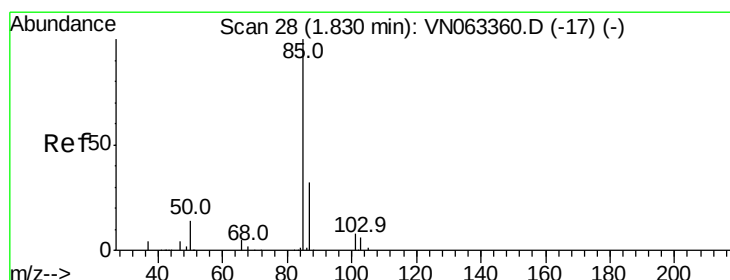
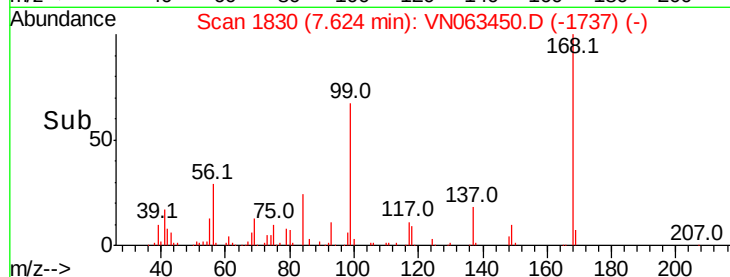
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.293 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063450.D

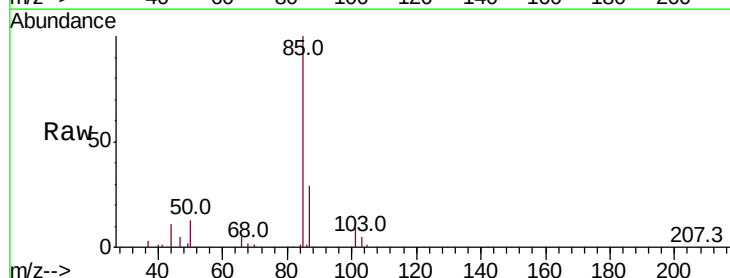
Acq: 18 Sep 2020 12:09

Tgt Ion: 85 Resp: 60125

Ion Ratio Lower Upper

85 100

87 29.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

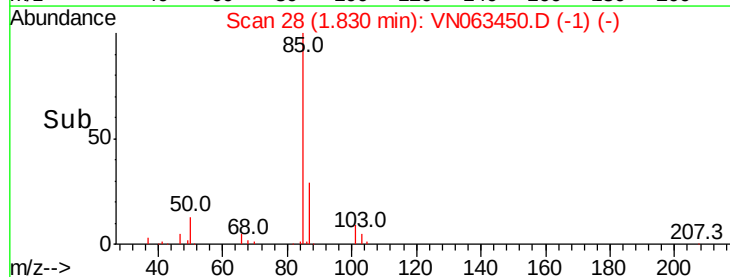
30000

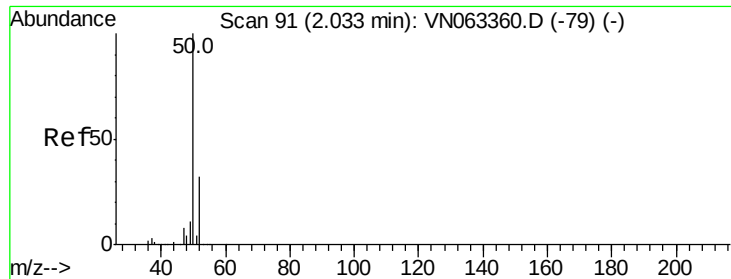
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.617 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

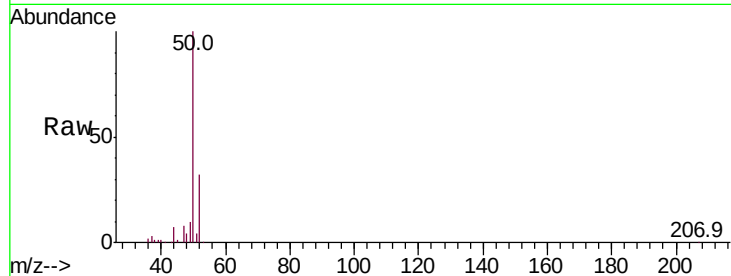
VN0918WBS01

Tot Ion: 50 Resp: 72252

Ion Ratio Lower Upper

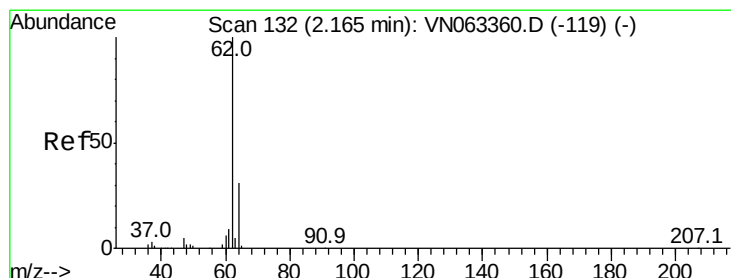
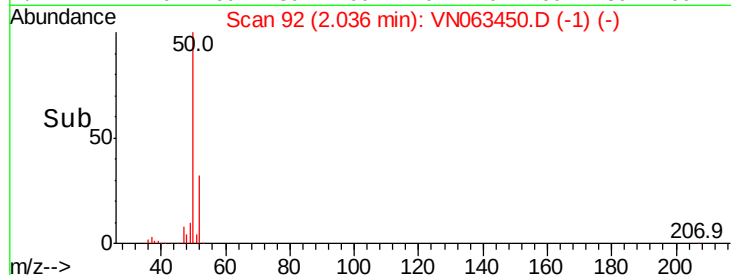
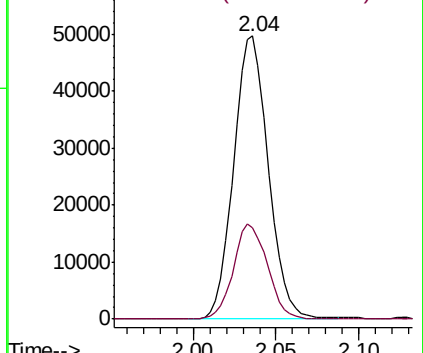
50 100

52 32.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.320 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063450.D

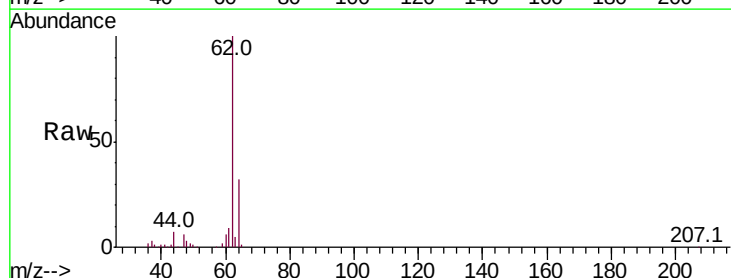
Acq: 18 Sep 2020 12:09

Tgt Ion: 62 Resp: 70573

Ion Ratio Lower Upper

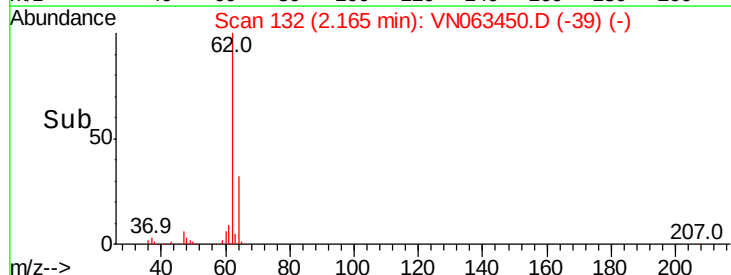
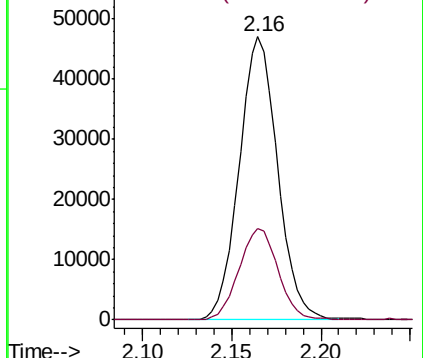
62 100

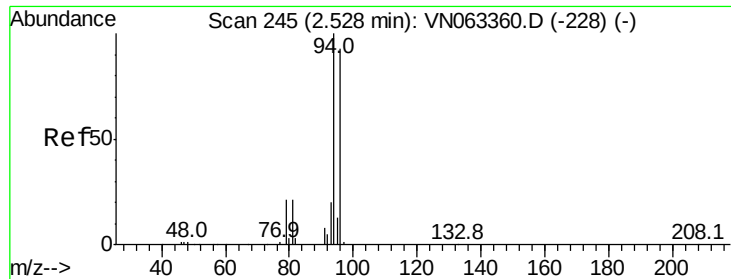
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.832 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

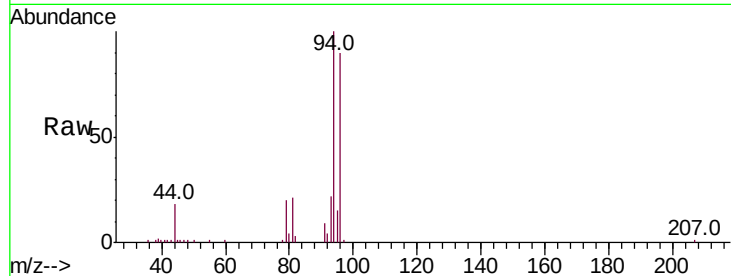
VN0918WBS01

Tot Ion: 94 Resp: 45362

Ion Ratio Lower Upper

94 100

96 89.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

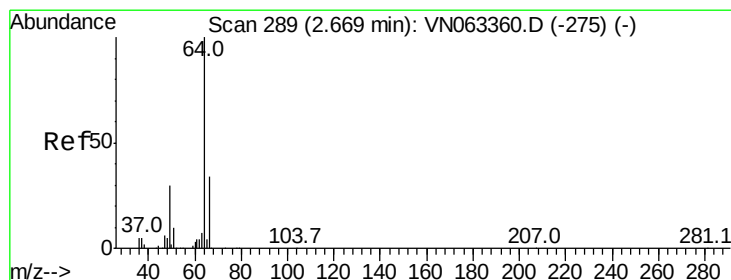
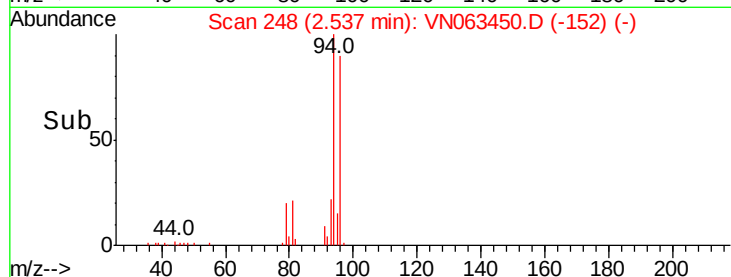
10000

5000

0

Time--> 2.45 2.50 2.55 2.60

2.54



#6

Chloroethane

Concen: 17.914 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063450.D

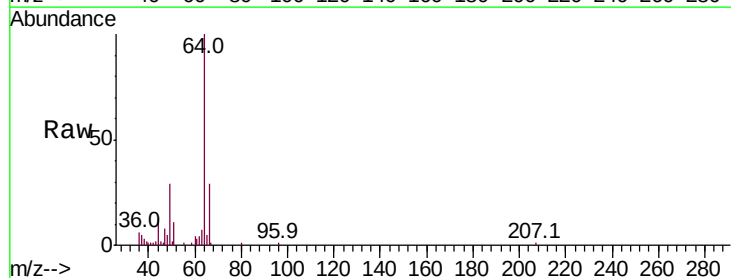
Acq: 18 Sep 2020 12:09

Tgt Ion: 64 Resp: 42361

Ion Ratio Lower Upper

64 100

66 29.5 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

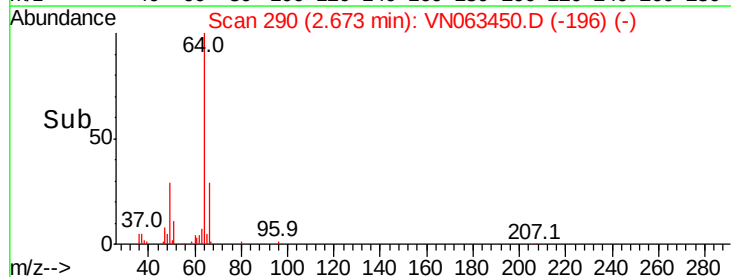
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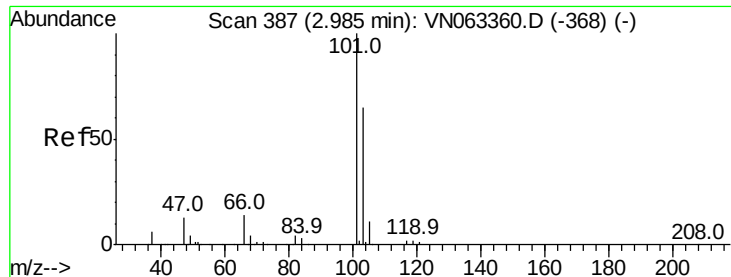
5000

0

Time--> 2.60 2.65 2.70 2.75 2.80

2.67



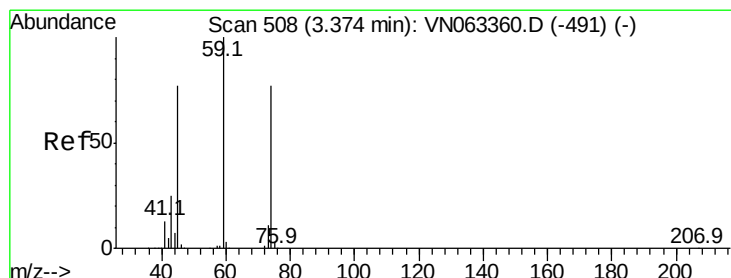
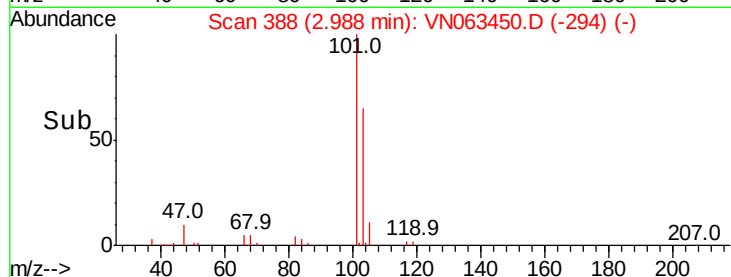
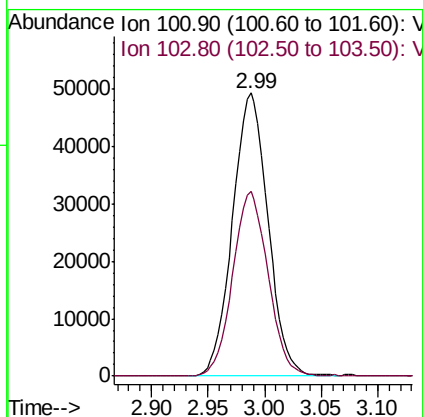
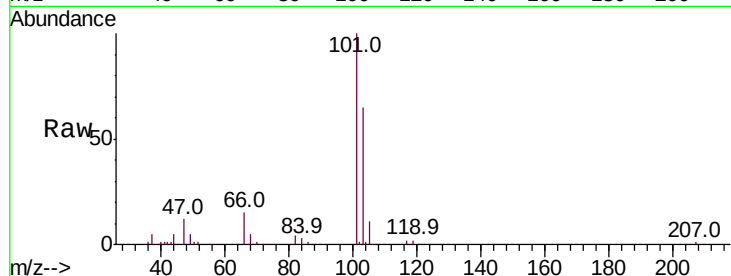


#7

Trichlorofluoromethane
 Concen: 18.750 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

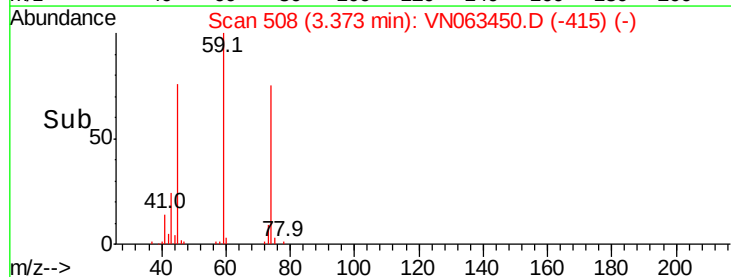
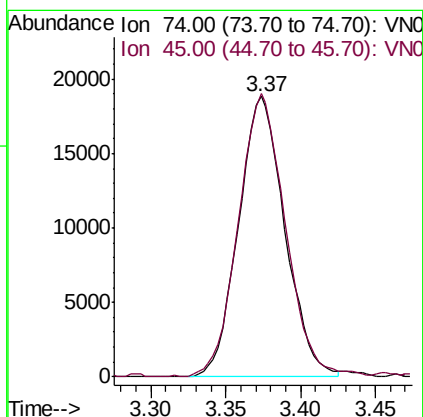
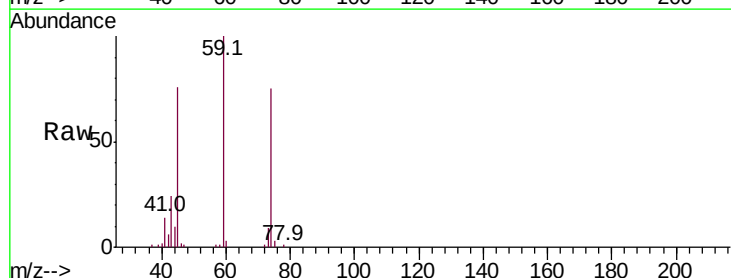
Tot Ion:101 Resp: 107768
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.3 78.5

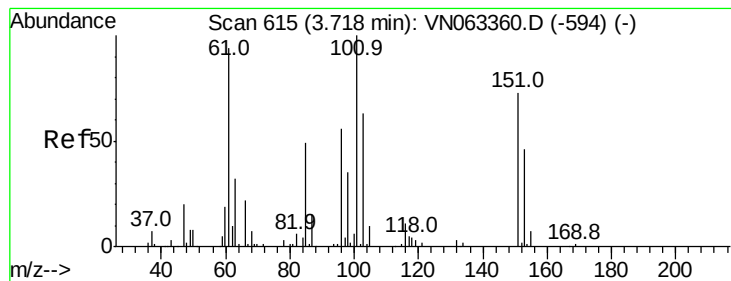


#8

Diethyl Ether
 Concen: 18.070 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion: 74 Resp: 40488
 Ion Ratio Lower Upper
 74 100
 45 103.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.470 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

VN0918WBS01

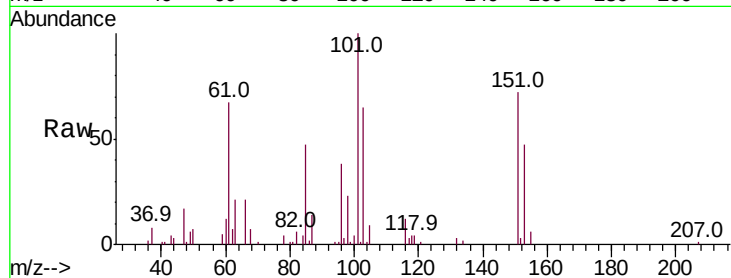
Tot Ion:101 Resp: 59700

Ion Ratio Lower Upper

101 100

85 46.0 37.7 56.5

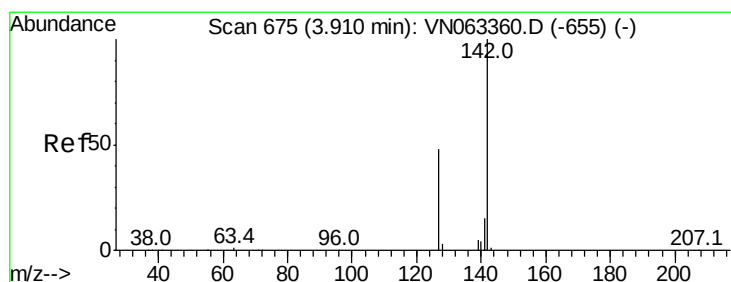
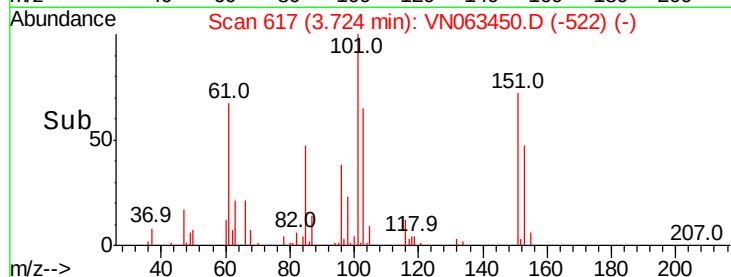
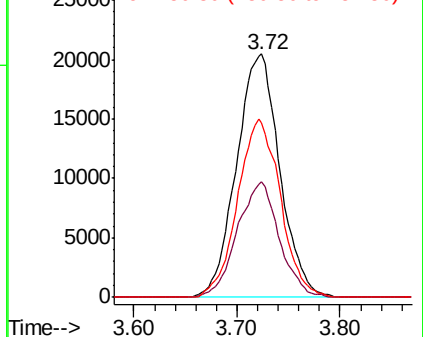
151 72.2 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.846 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

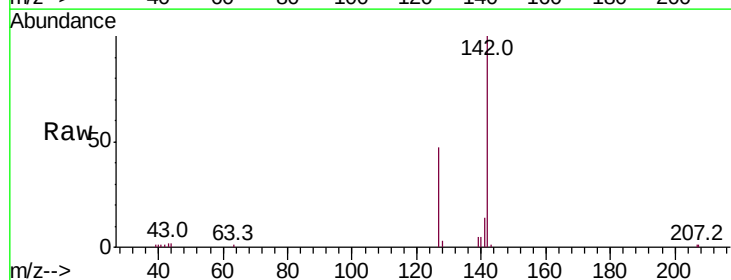
Tgt Ion:142 Resp: 75101

Ion Ratio Lower Upper

142 100

127 48.0 39.0 58.6

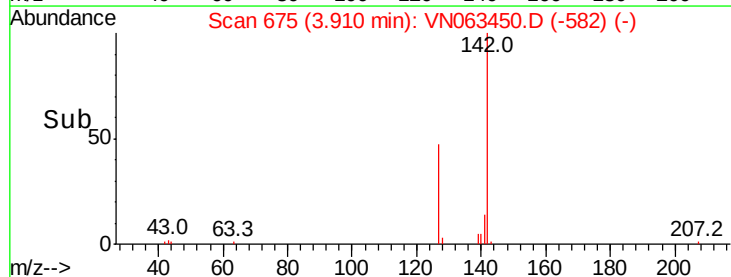
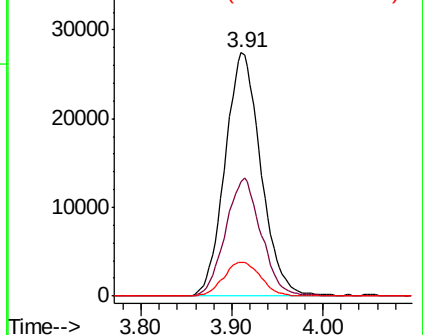
141 14.5 11.6 17.4

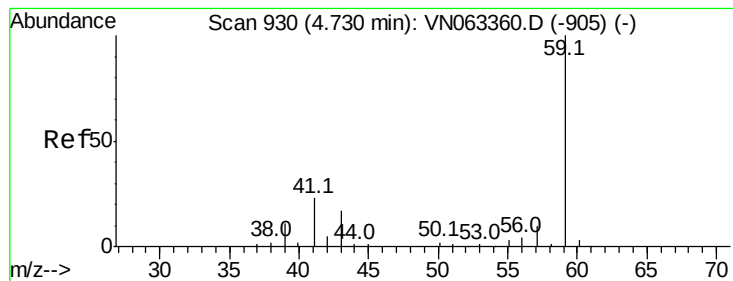


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



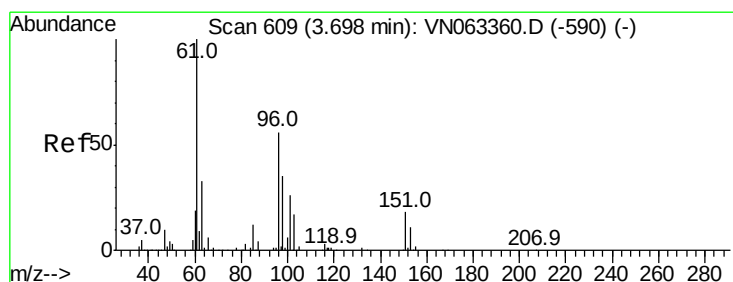
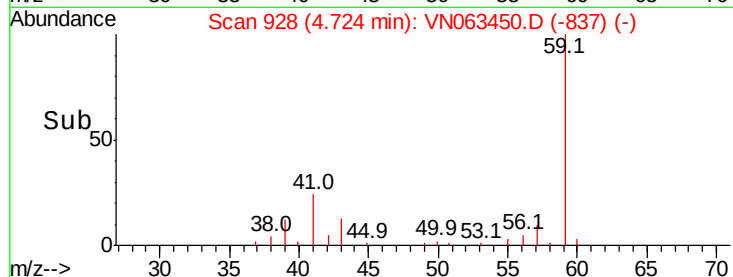
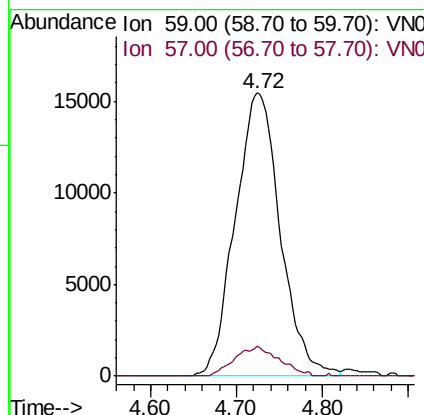
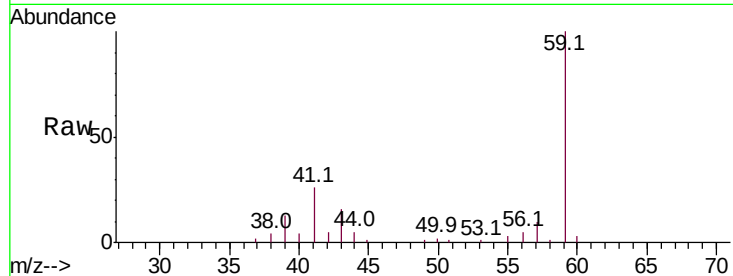


#11

Tert butyl alcohol
Concen: 82.236 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

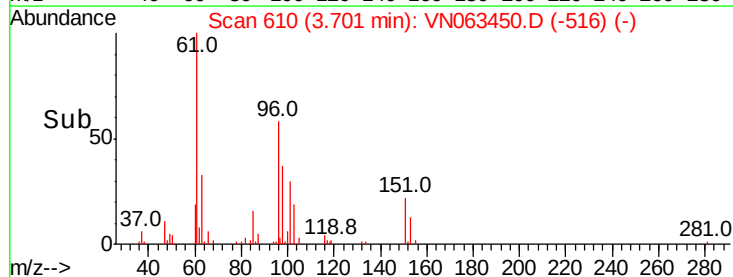
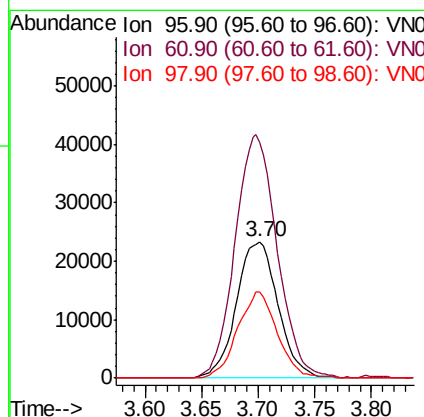
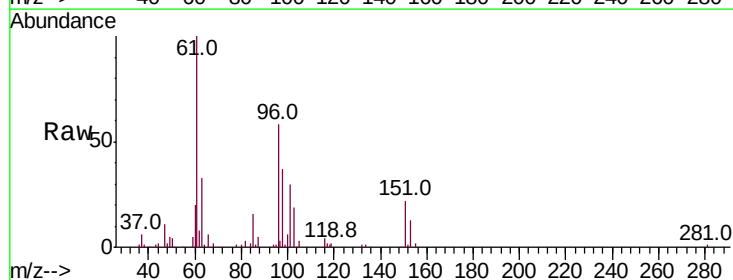
Tot Ion: 59 Resp: 56263
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

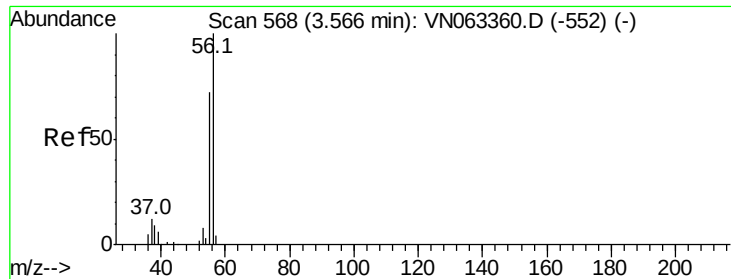


#12

1,1-Dichloroethene
Concen: 18.268 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 96 Resp: 59808
Ion Ratio Lower Upper
96 100
61 173.3 143.4 215.2
98 63.6 50.6 76.0





#13

Acrolein

Concen: 99.806 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

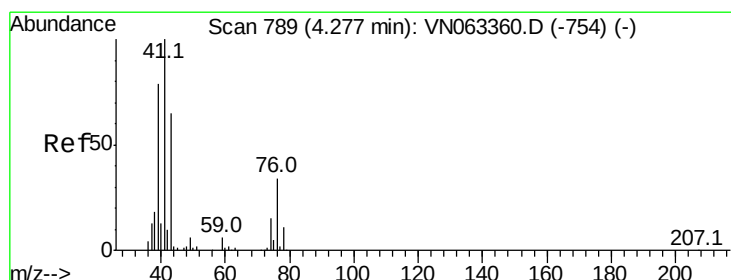
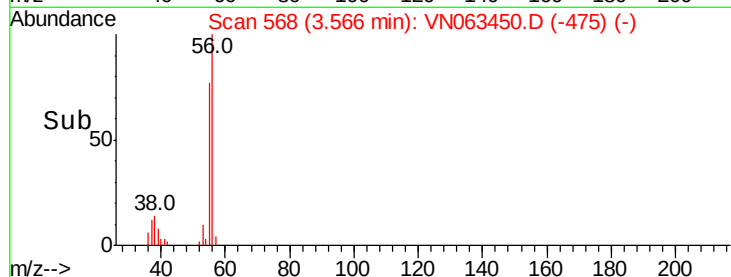
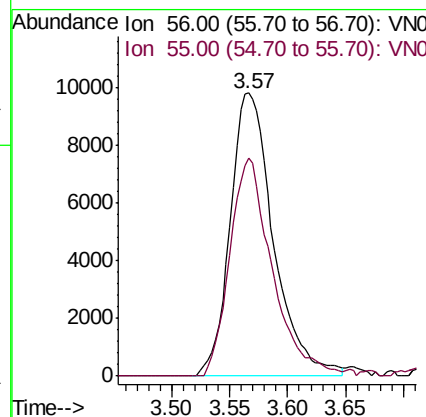
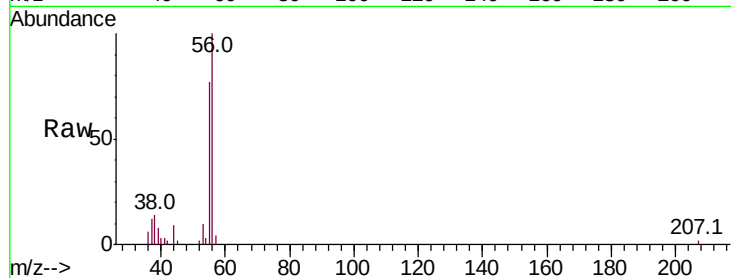
VN0918WBS01

Tot Ion: 56 Resp: 25305

Ion Ratio Lower Upper

56 100

55 75.4 58.2 87.2



#14

Allyl chloride

Concen: 17.432 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

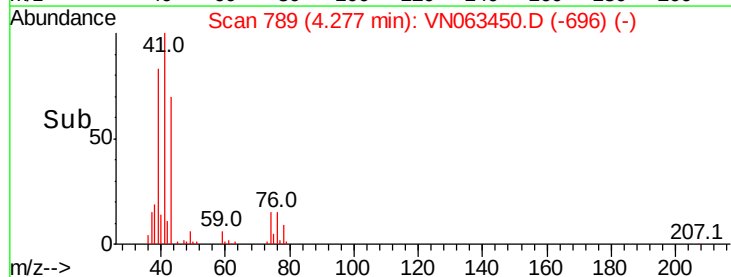
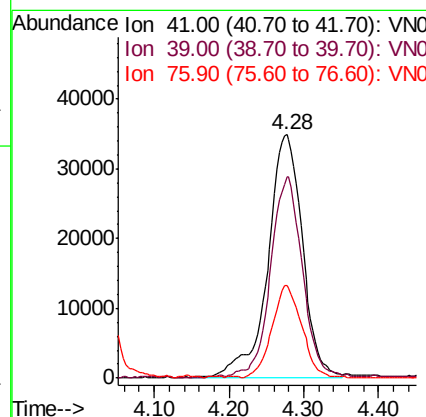
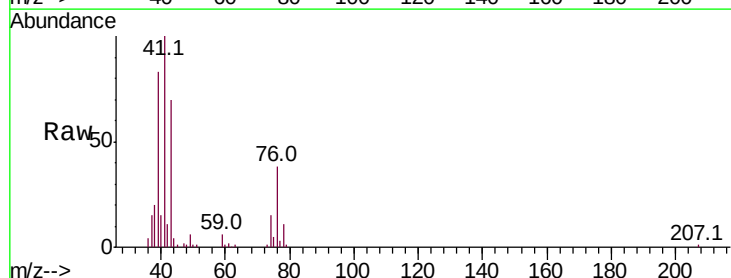
Tgt Ion: 41 Resp: 112892

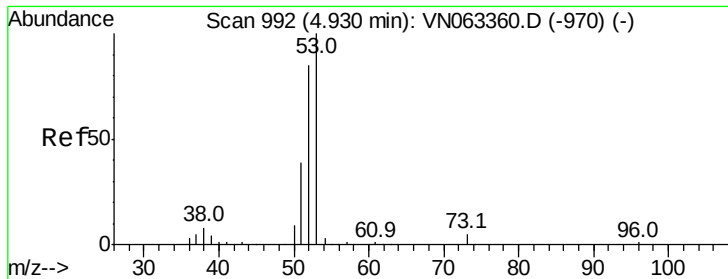
Ion Ratio Lower Upper

41 100

39 74.6 59.3 88.9

76 32.8 25.3 37.9





#15

Acrylonitrile

Concen: 86.859 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

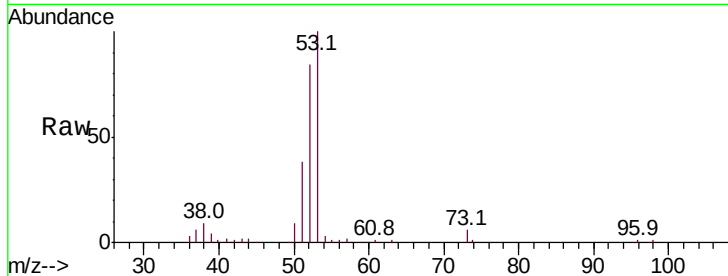
Tot Ion: 53 Resp: 151159

Ion Ratio Lower Upper

53 100

52 83.8 66.4 99.6

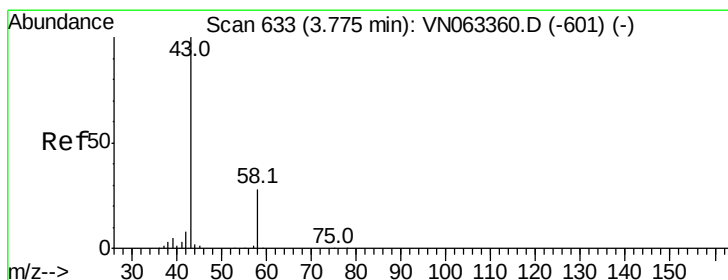
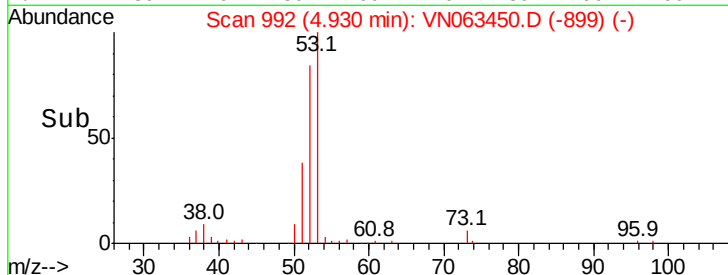
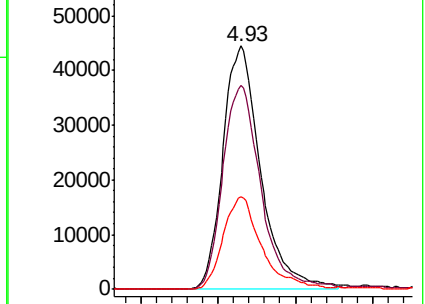
51 38.7 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 82.549 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063450.D

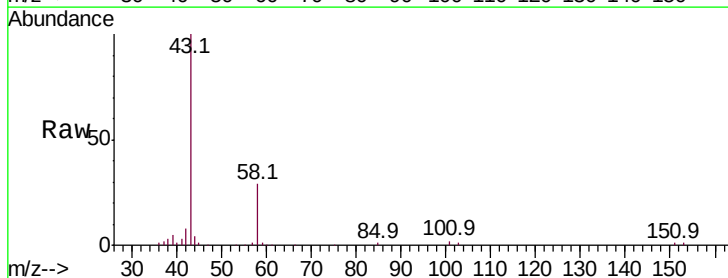
Acq: 18 Sep 2020 12:09

Tgt Ion: 43 Resp: 131020

Ion Ratio Lower Upper

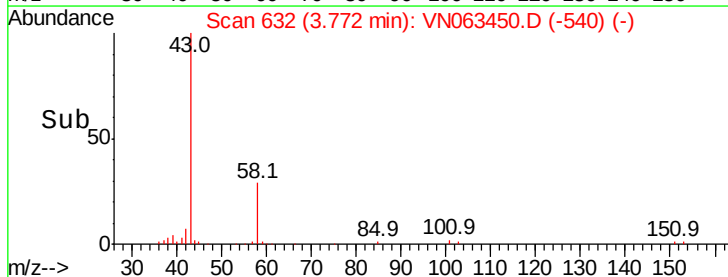
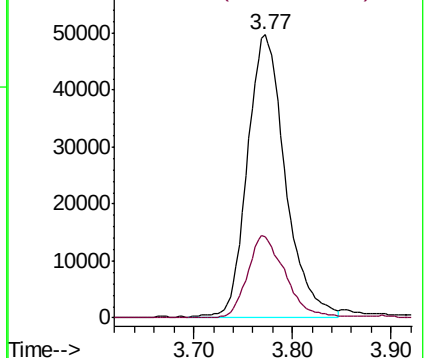
43 100

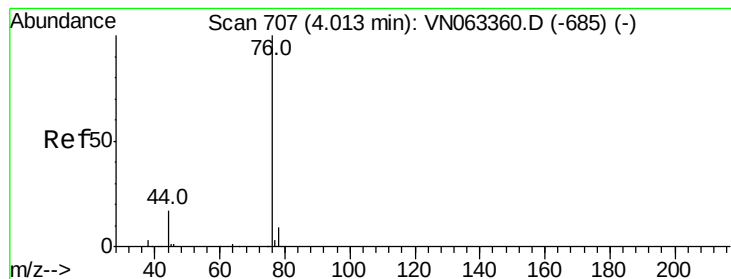
58 28.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.947 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

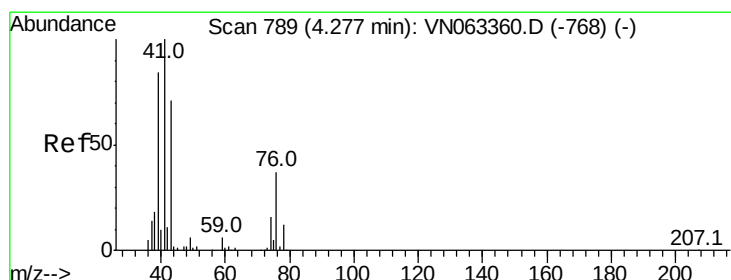
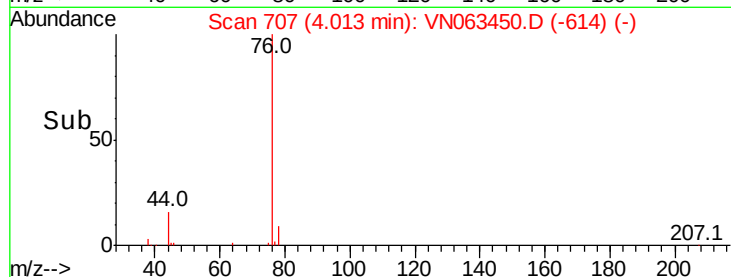
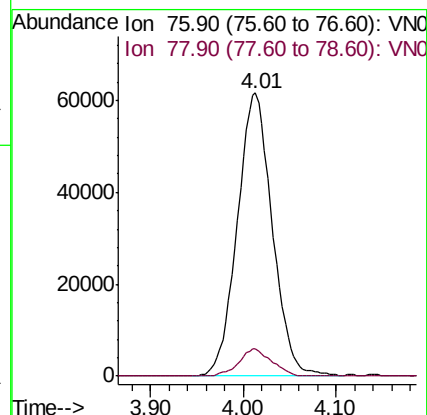
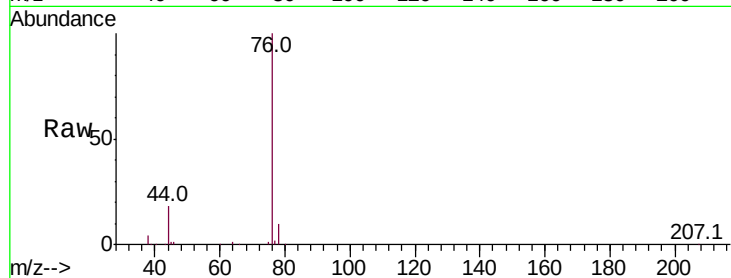
VN0918WBS01

Tot Ion: 76 Resp: 161391

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



#18

Methyl Acetate

Concen: 17.804 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063450.D

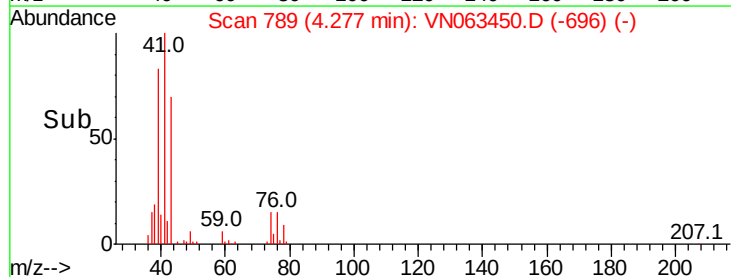
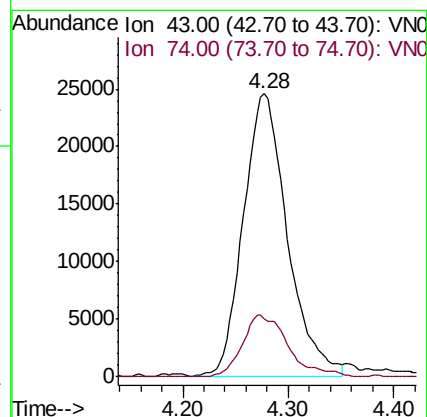
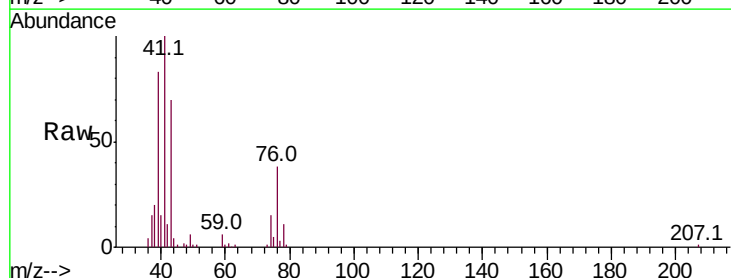
Acq: 18 Sep 2020 12:09

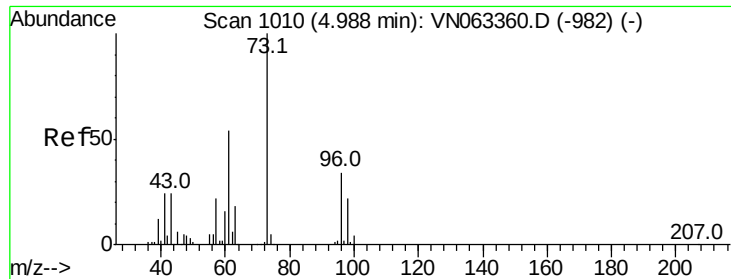
Tgt Ion: 43 Resp: 71737

Ion Ratio Lower Upper

43 100

74 22.7 17.4 26.2

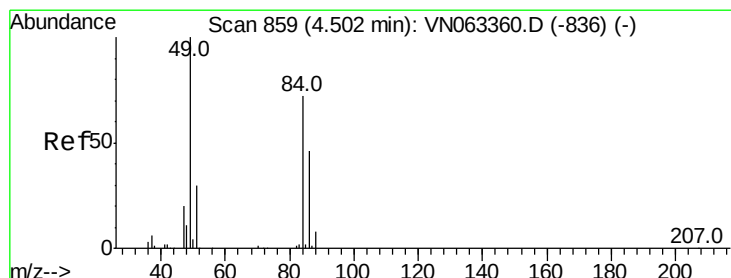
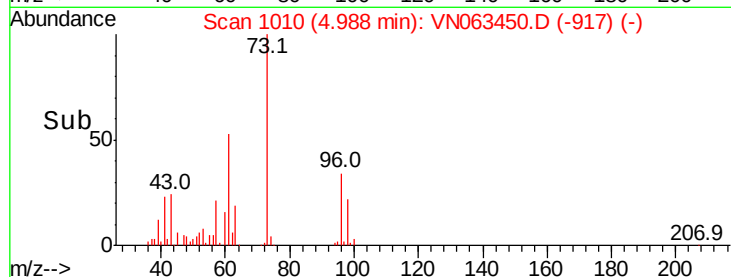
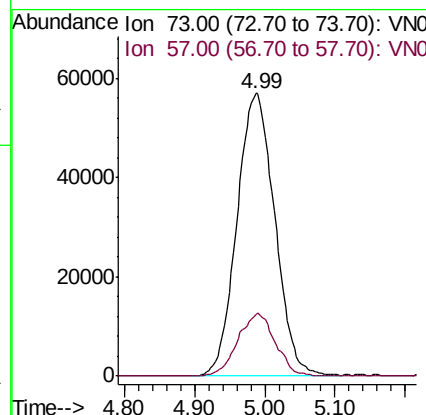
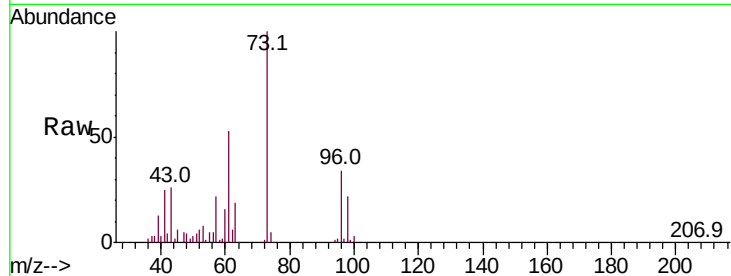




#19
Methvl tert-butvl Ether
Concen: 17.523 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

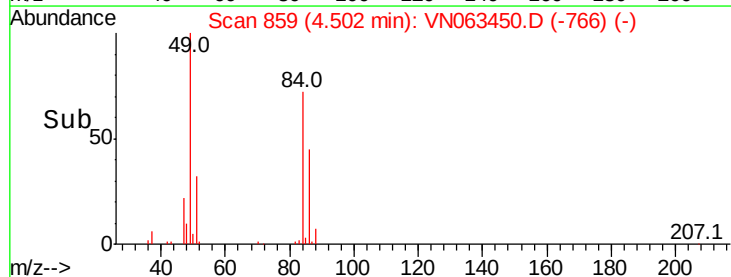
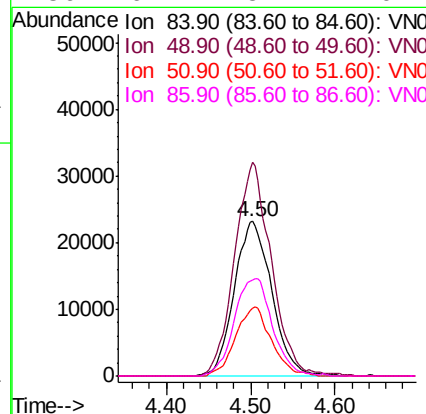
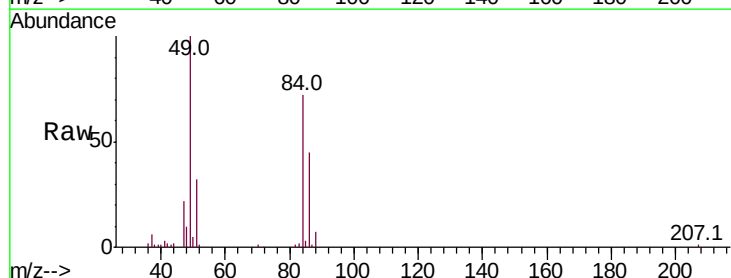
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

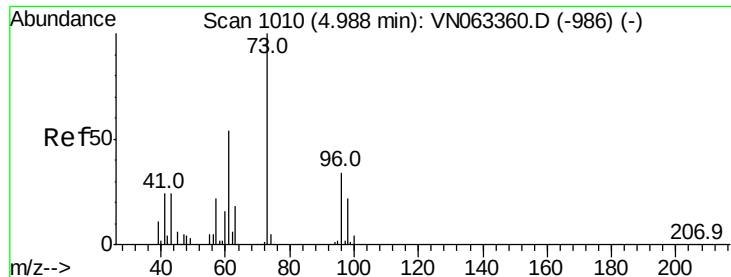
Tot Ion: 73 Resp: 213820
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 17.837 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 84 Resp: 71726
Ion Ratio Lower Upper
84 100
49 138.2 110.7 166.1
51 44.1 32.9 49.3
86 62.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.554 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

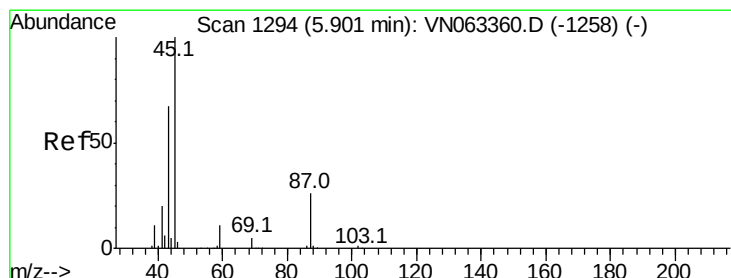
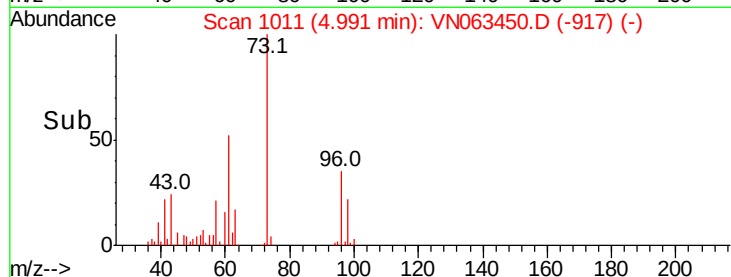
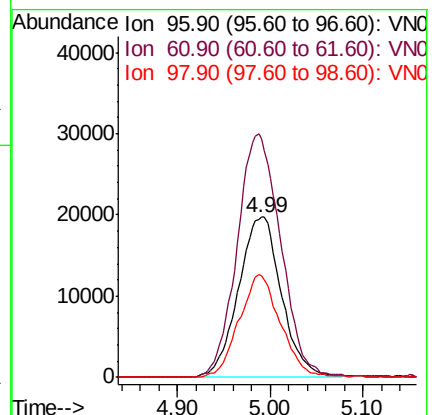
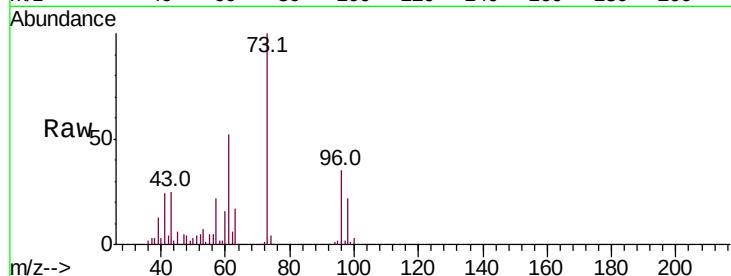
Tot Ion: 96 Resp: 63673

Ion Ratio Lower Upper

96 100

61 149.0 126.2 189.4

98 63.1 51.0 76.4



#22

Diisopropyl ether

Concen: 17.628 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Tgt Ion: 45 Resp: 232818

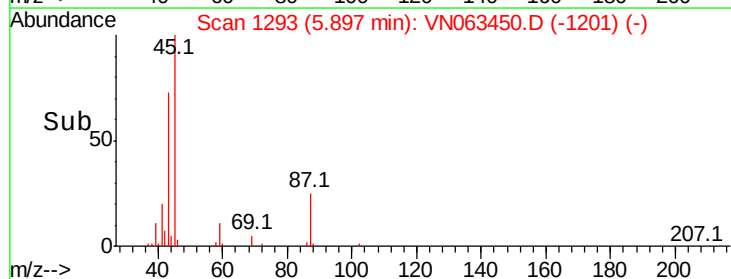
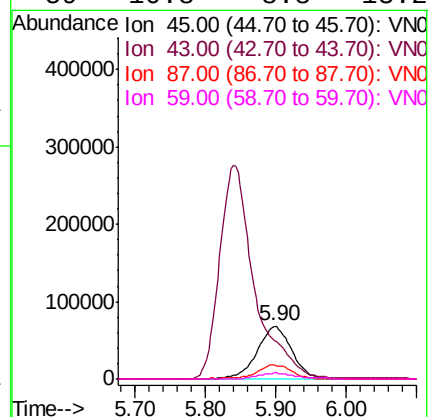
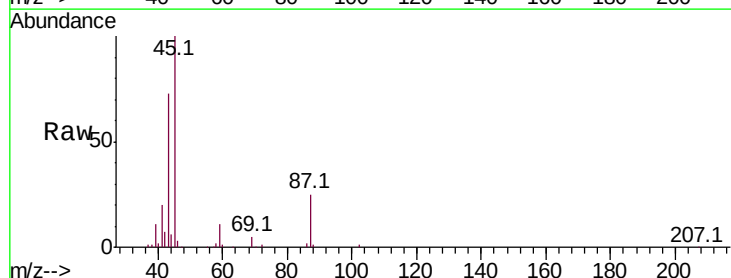
Ion Ratio Lower Upper

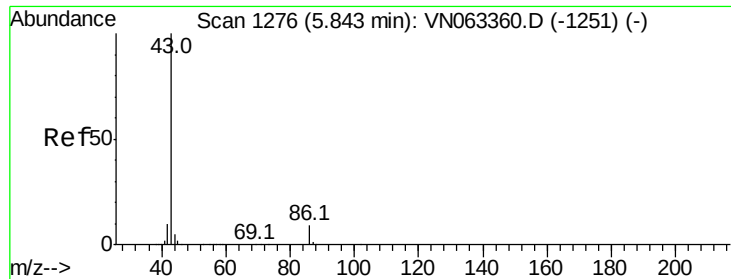
45 100

43 72.0 53.5 80.3

87 25.4 21.2 31.8

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 88.427 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

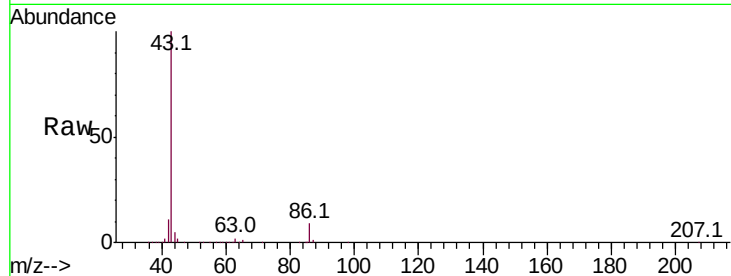
VN0918WBS01

Tot Ion: 43 Resp: 959160

Ion Ratio Lower Upper

43 100

86 9.2 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

300000

250000

200000

150000

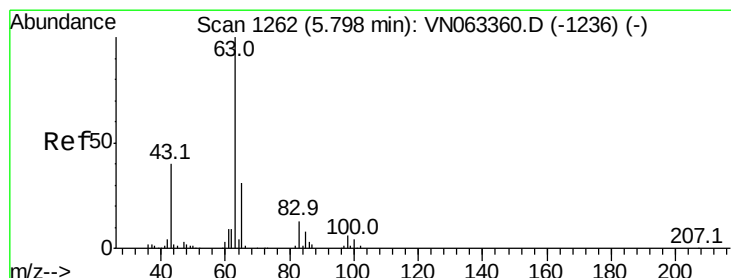
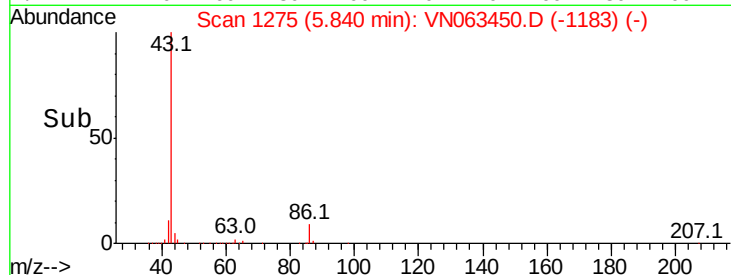
100000

50000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 17.612 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

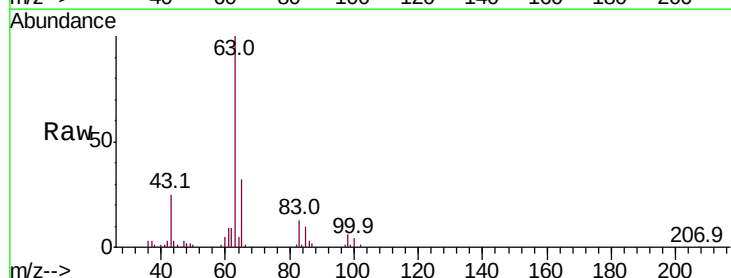
Tgt Ion: 63 Resp: 126992

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

50000

40000

30000

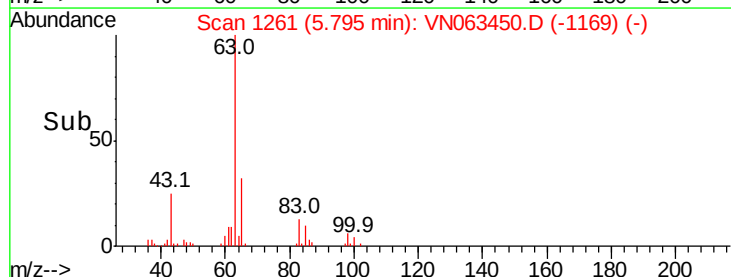
20000

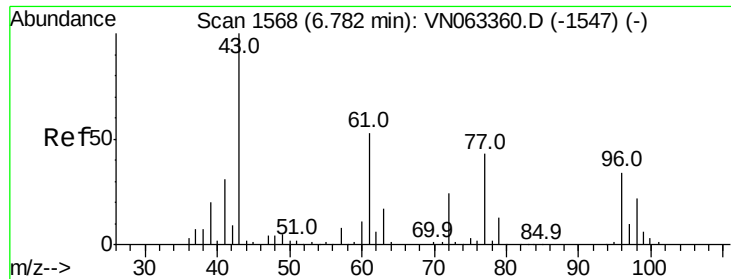
10000

0

Time-->

5.70 5.80 5.90

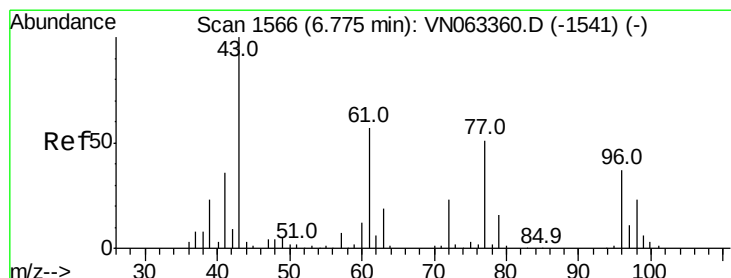
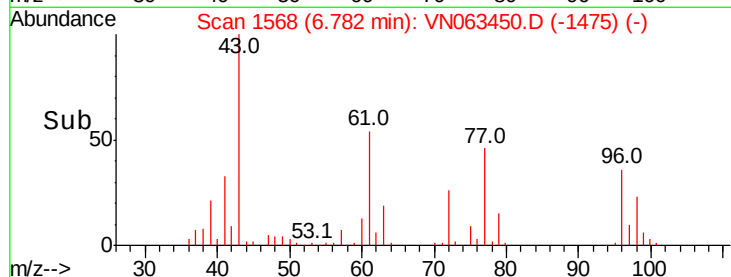
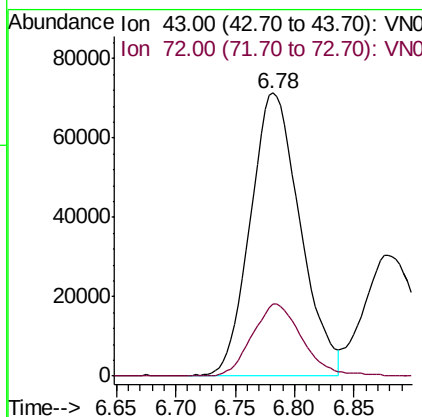
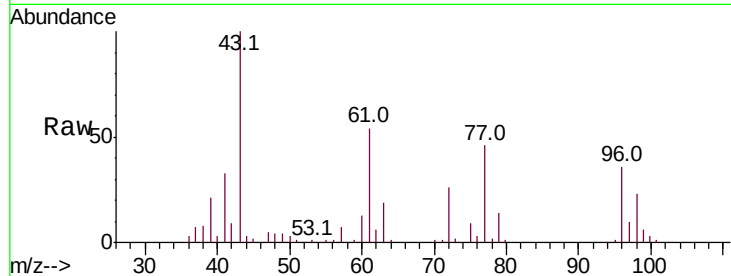




#25
2-Butanone
Concen: 84.296 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

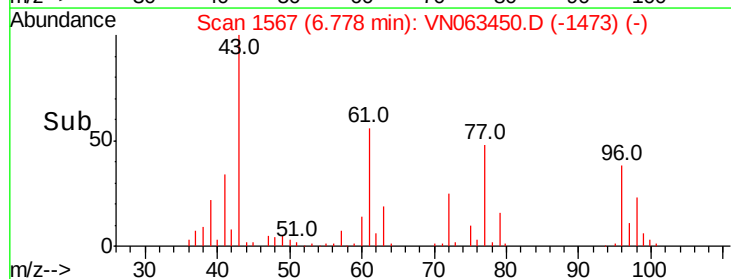
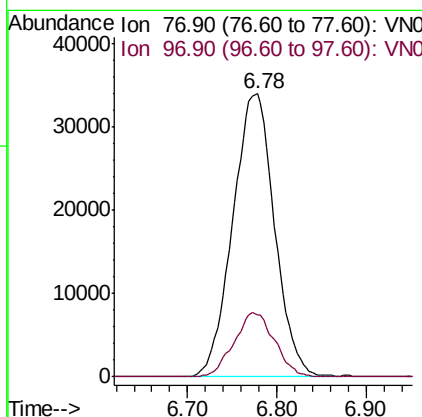
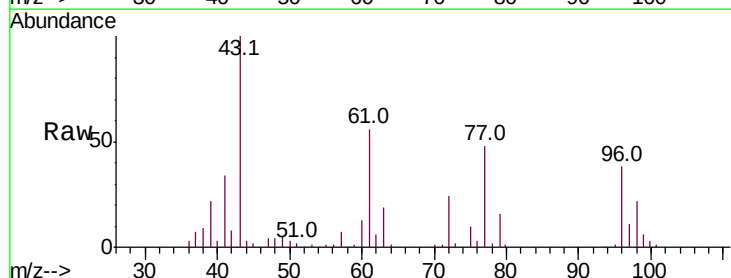
Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

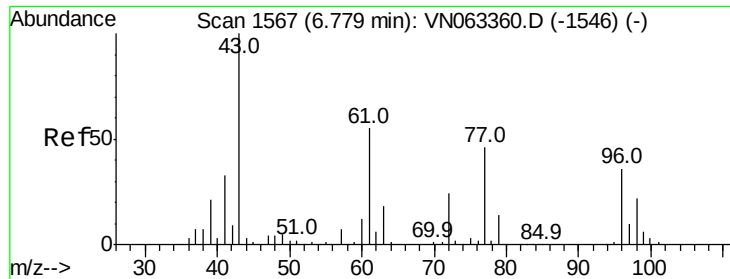
Tot Ion: 43 Resp: 205769
Ion Ratio Lower Upper
43 100
72 25.7 19.2 28.8



#26
2,2-Dichloropropane
Concen: 17.409 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 77 Resp: 110523
Ion Ratio Lower Upper
77 100
97 21.8 10.5 31.6

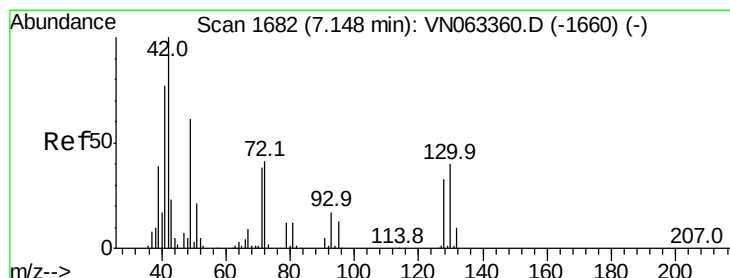
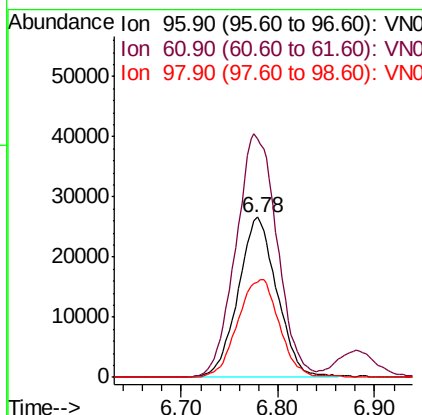
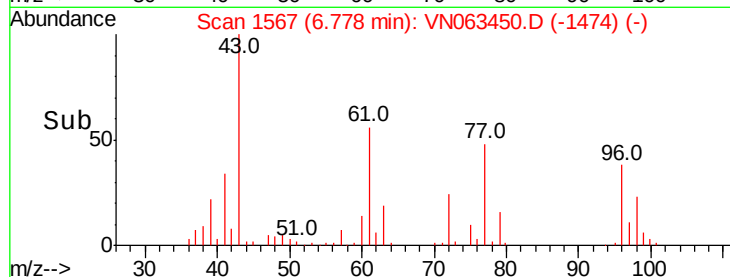
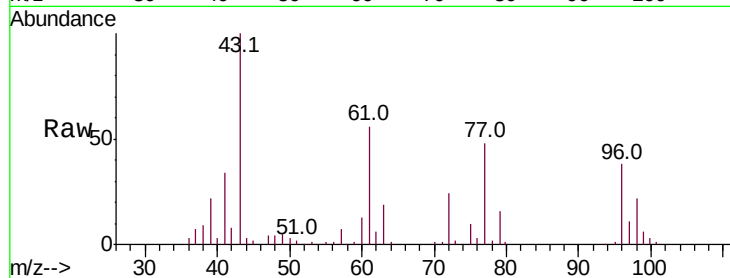




#27
 cis-1,2-Dichloroethene
 Concen: 18.126 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

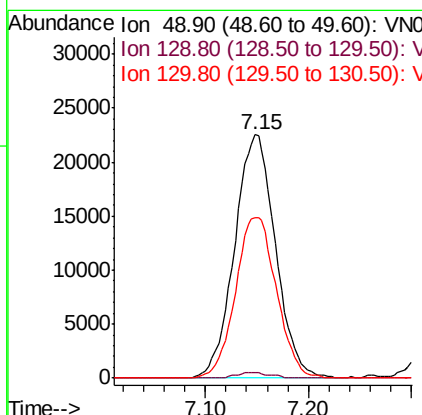
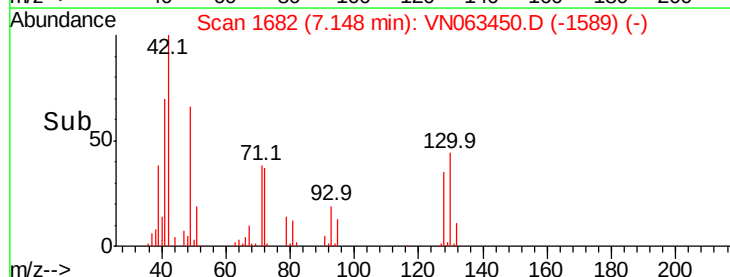
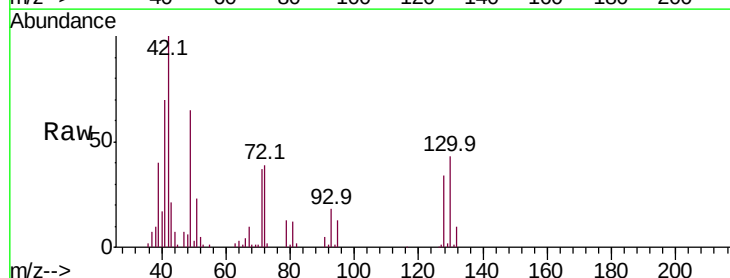
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0918WBS01

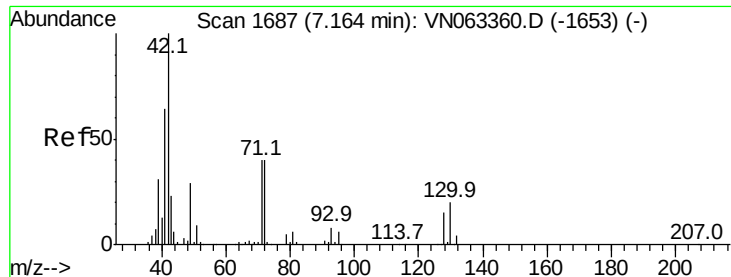
Tot Ion: 96 Resp: 74420
 Ion Ratio Lower Upper
 96 100
 61 161.5 0.0 319.6
 98 65.1 0.0 127.8



#28
 Bromochloromethane
 Concen: 18.639 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion: 49 Resp: 62058
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 66.3 52.2 78.2

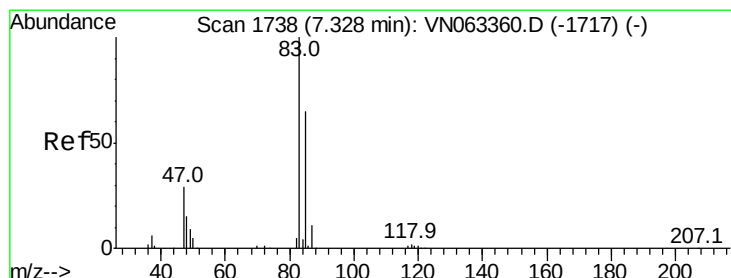
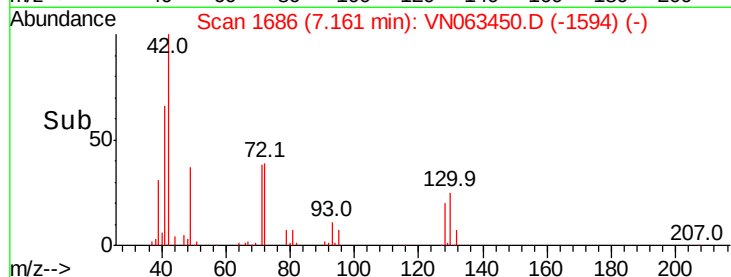
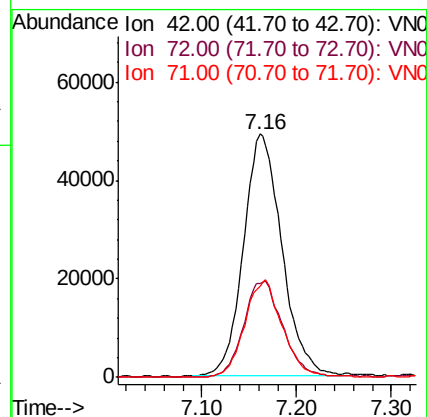
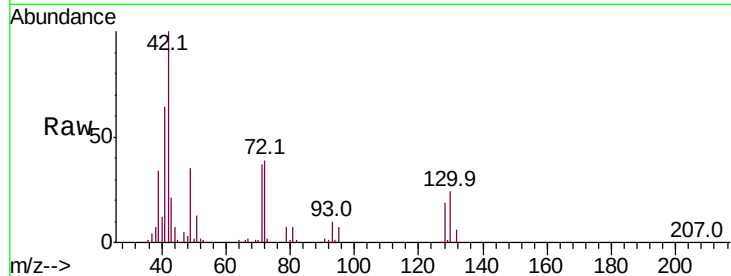




#29
Tetrahydrofuran
Concen: 83.255 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

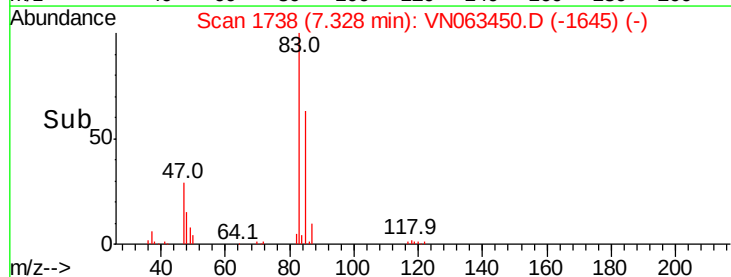
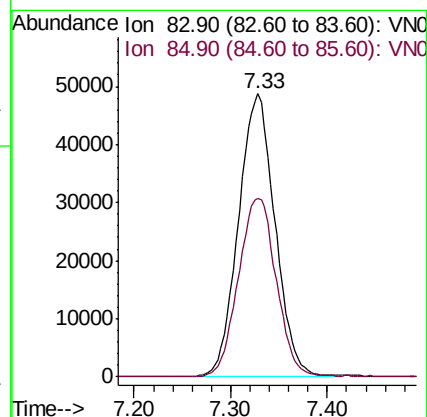
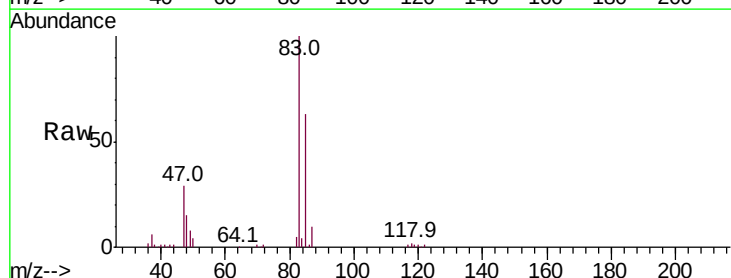
Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

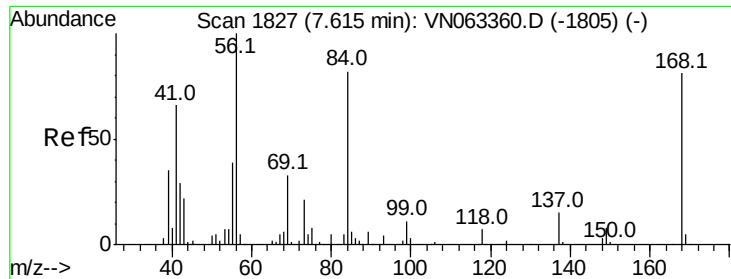
Tot Ion: 42 Resp: 138800
Ion Ratio Lower Upper
42 100
72 40.9 32.1 48.1
71 39.2 31.2 46.8



#30
Chloroform
Concen: 17.712 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 83 Resp: 128139
Ion Ratio Lower Upper
83 100
85 63.0 52.1 78.1

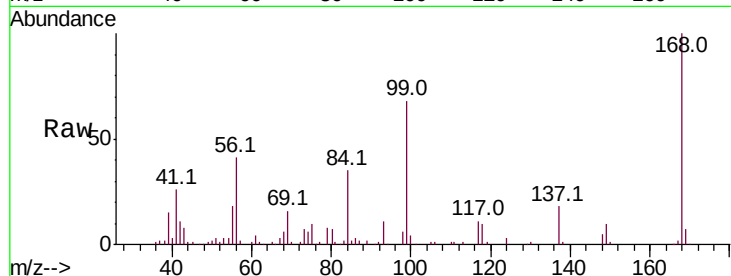




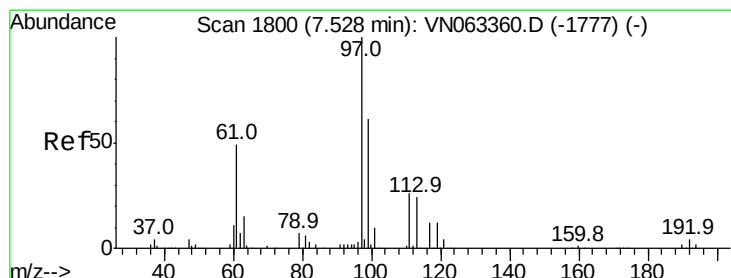
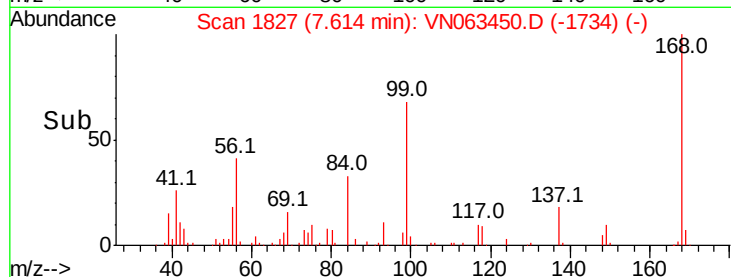
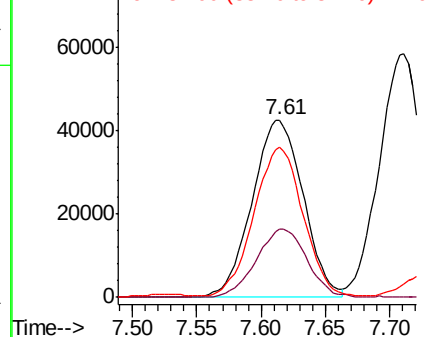
#31
Cyclohexane
Concen: 17.173 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion: 56 Resp: 117131
Ion Ratio Lower Upper
56 100
69 38.7 26.1 39.1
84 83.3 65.4 98.2

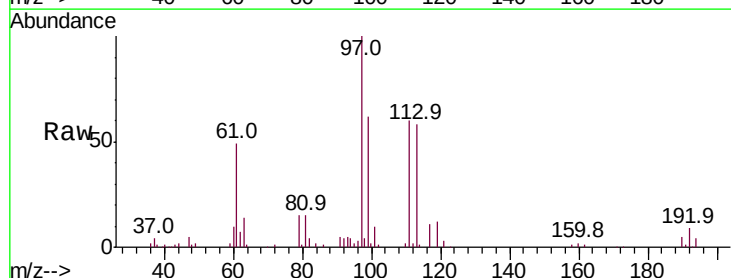


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

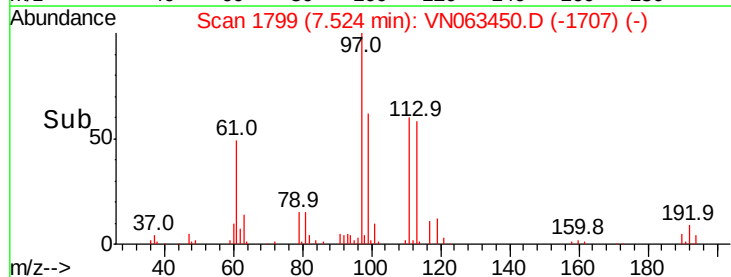
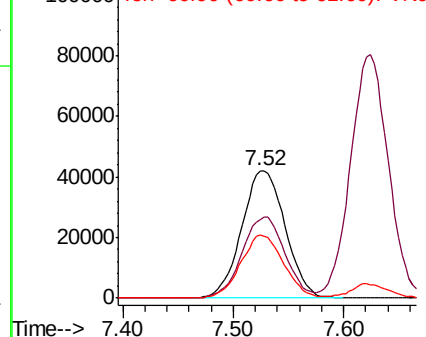


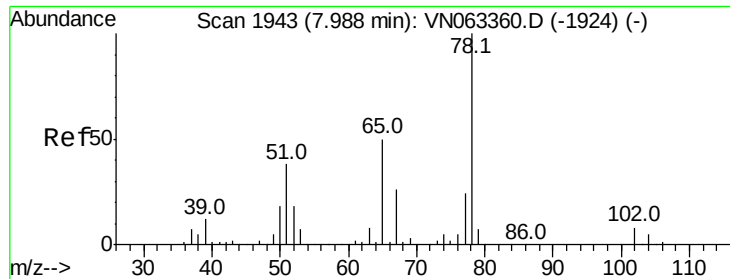
#32
1,1,1-Trichloroethane
Concen: 17.929 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 97 Resp: 115365
Ion Ratio Lower Upper
97 100
99 62.6 50.6 76.0
61 48.5 39.2 58.8



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

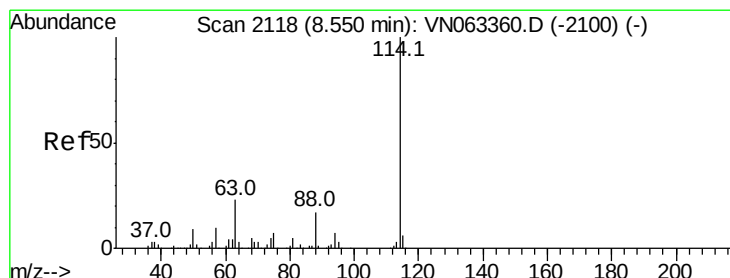
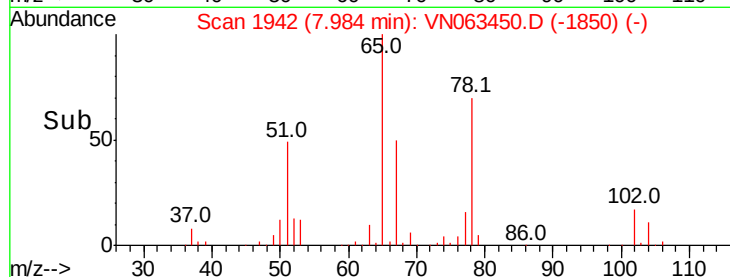
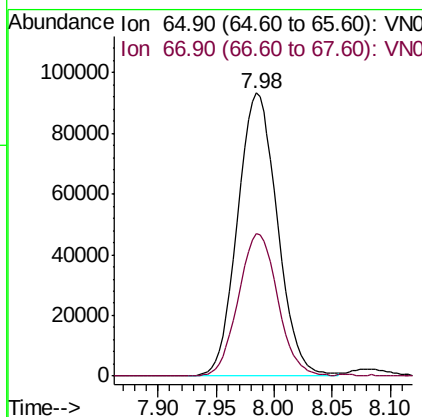
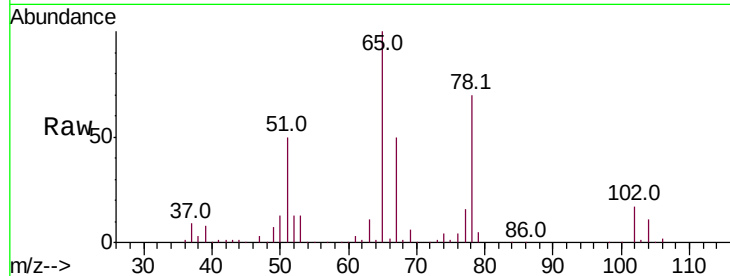




#33
 1,2-Dichloroethane-d4
 Concen: 45.113 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

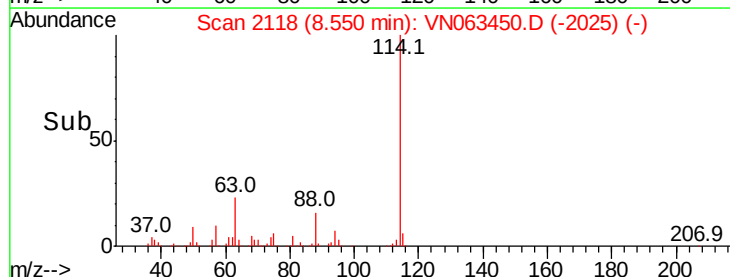
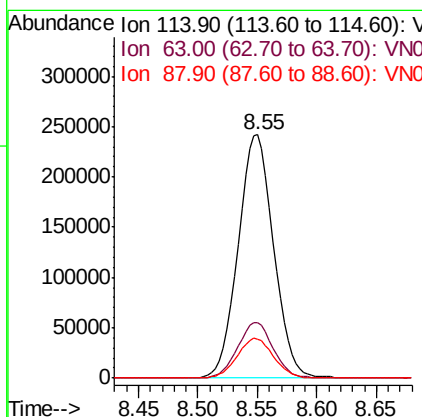
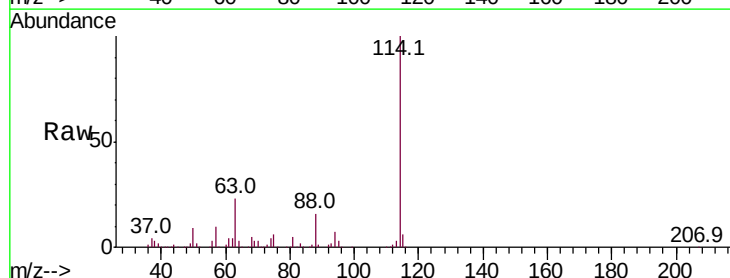
Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBS01

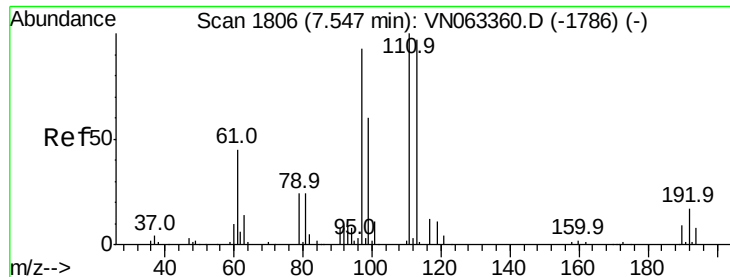
Tot Ion: 65 Resp: 222794
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion: 114 Resp: 499467
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.428 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

VN0918WBS01

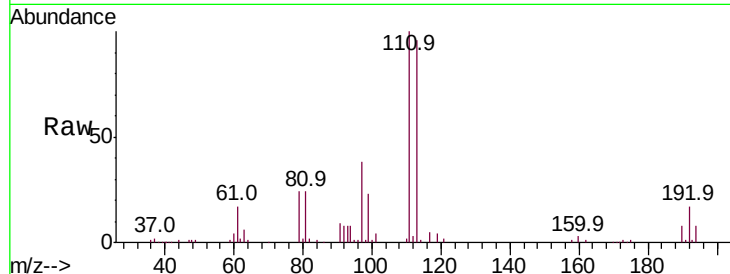
Tot Ion:113 Resp: 157078

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

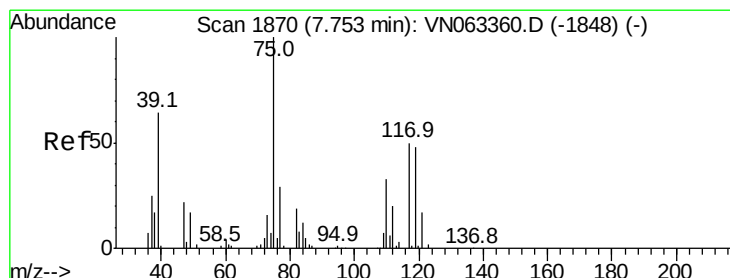
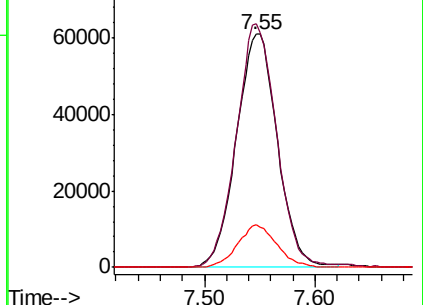
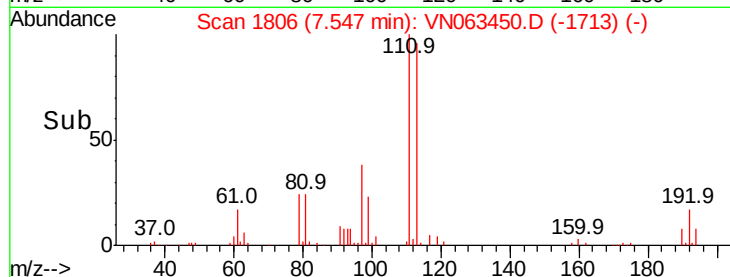
192 17.4 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.392 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

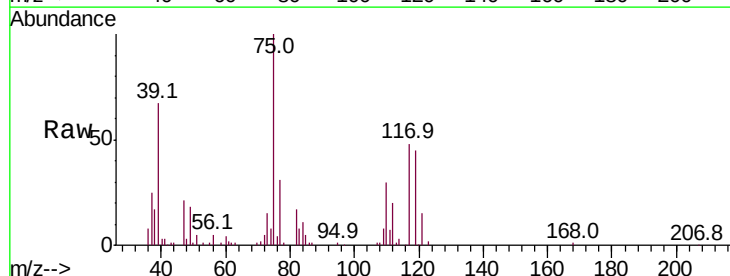
Tgt Ion: 75 Resp: 97866

Ion Ratio Lower Upper

75 100

110 31.6 16.5 49.5

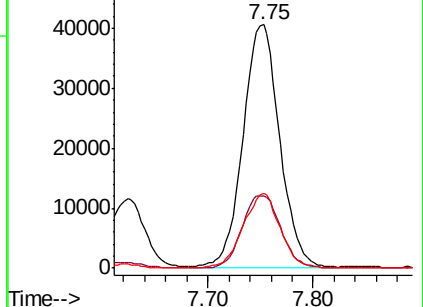
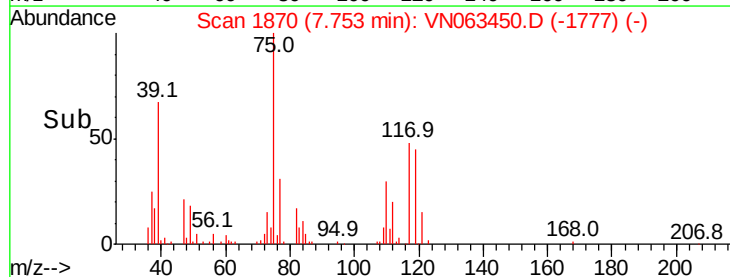
77 31.1 24.6 36.8

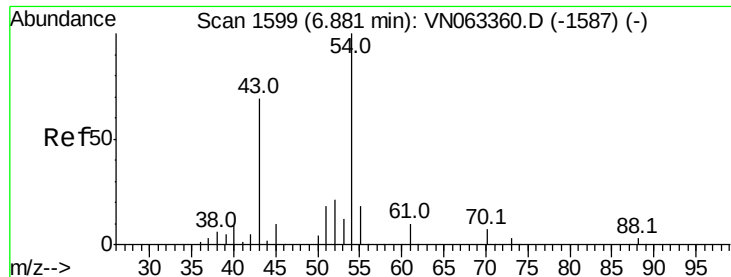


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

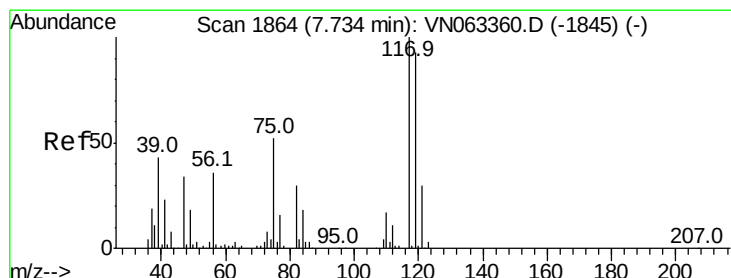
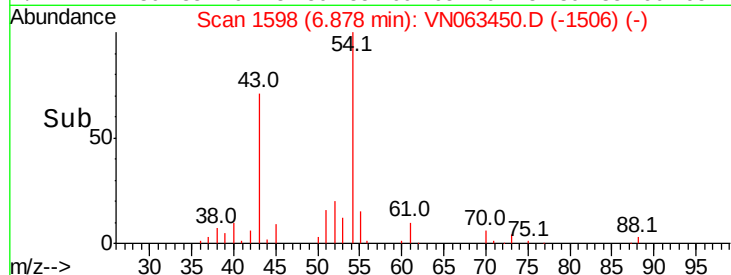
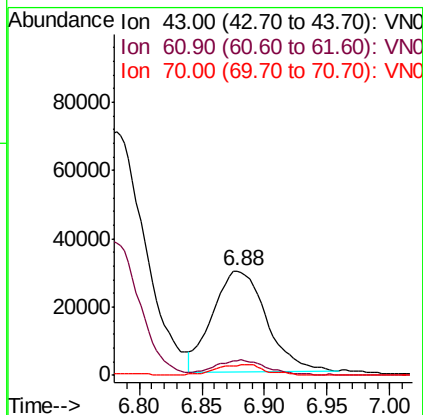
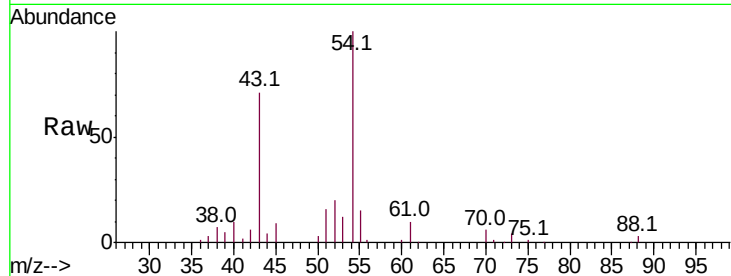




#37
Ethyl Acetate
Concen: 16.970 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

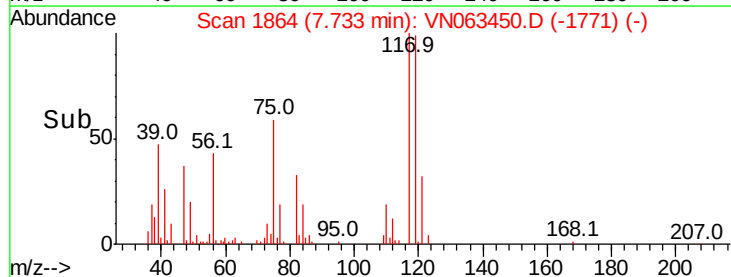
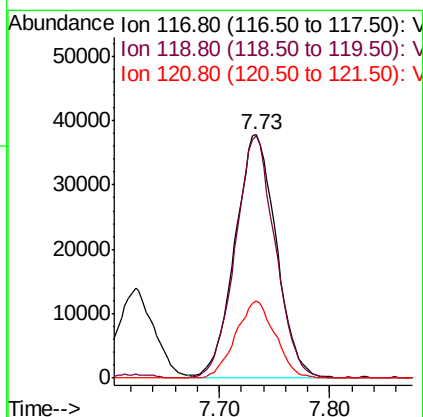
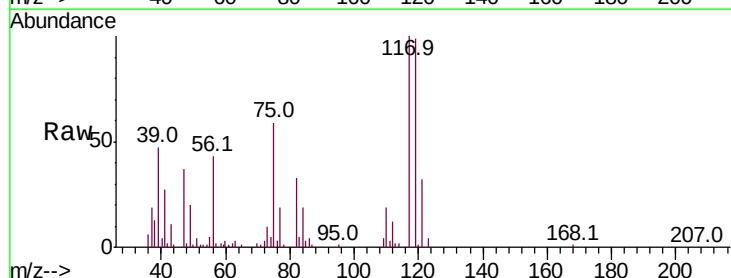
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

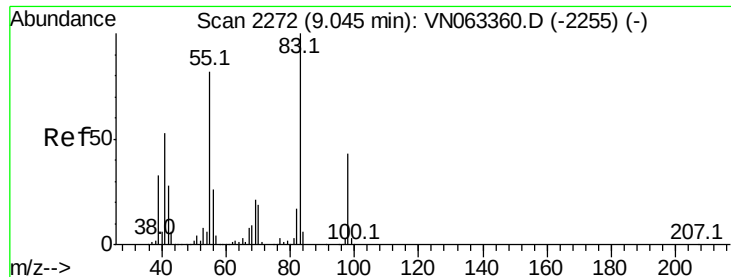
Tot Ion: 43 Resp: 88626
Ion Ratio Lower Upper
43 100
61 13.4 10.6 15.8
70 10.1 7.2 10.8



#38
Carbon Tetrachloride
Concen: 18.053 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 117 Resp: 98060
Ion Ratio Lower Upper
117 100
119 99.3 74.5 111.7
121 31.9 24.1 36.1

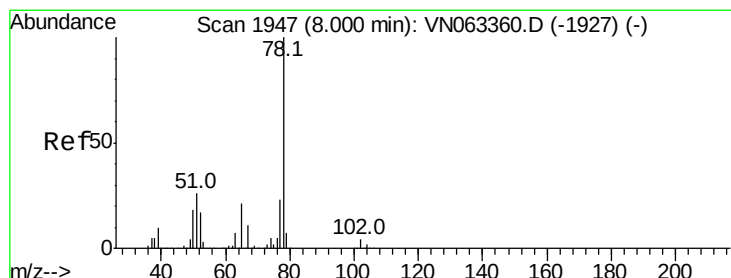
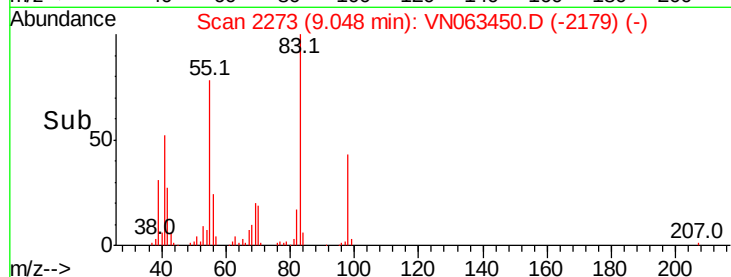
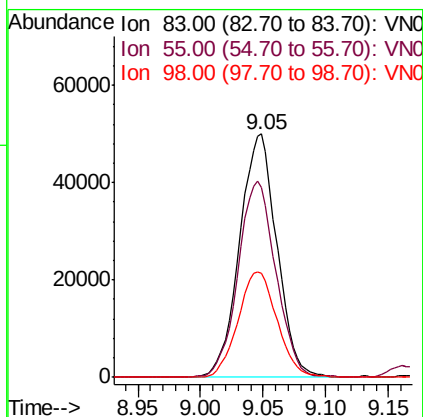
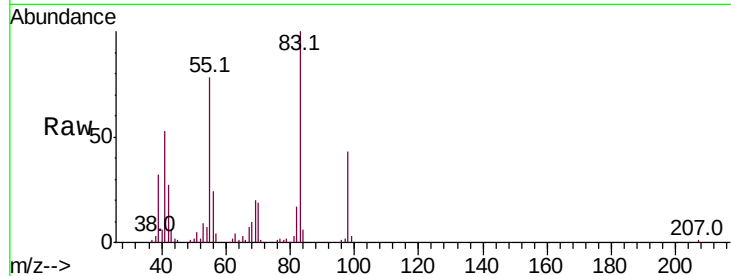




#39
Methylvlcyclohexane
Concen: 17.925 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

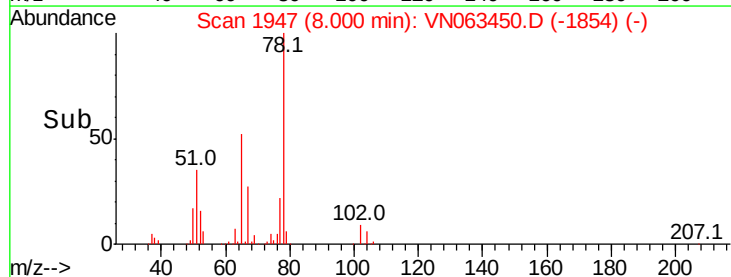
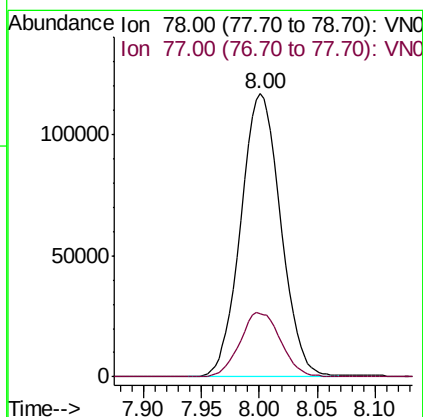
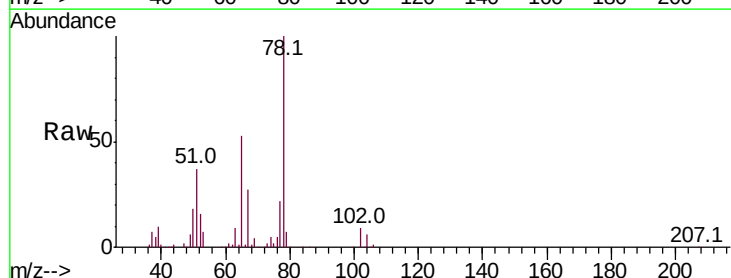
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

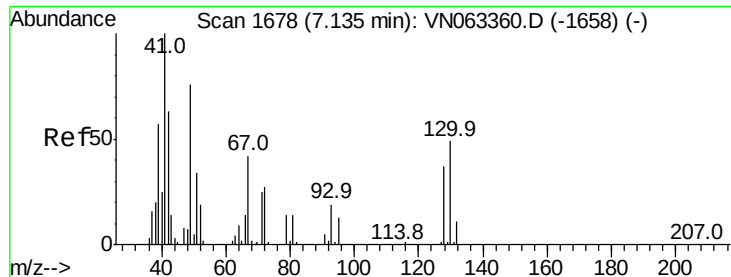
Tot Ion	83	Resp	103519
Ion	Ratio	Lower	Upper
83	100		
55	78.2	65.5	98.3
98	42.9	34.2	51.4



#40
Benzene
Concen: 18.481 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion	78	Resp	280725
Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.3	27.5

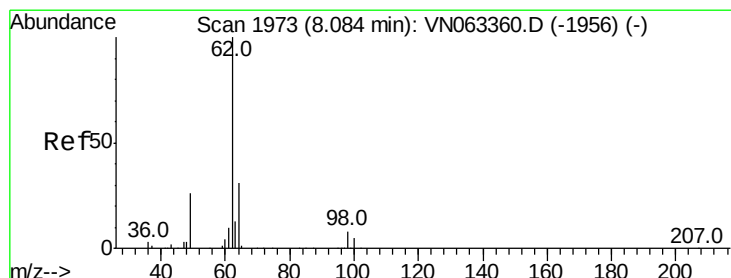
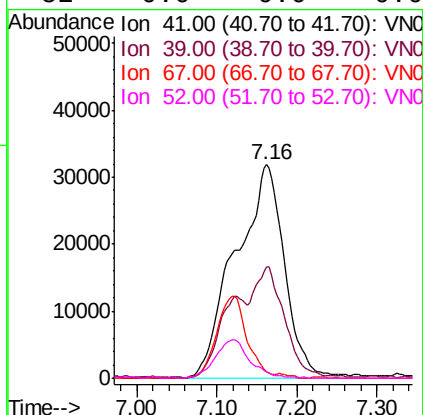
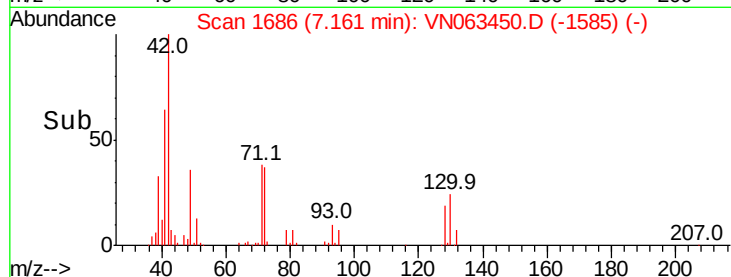
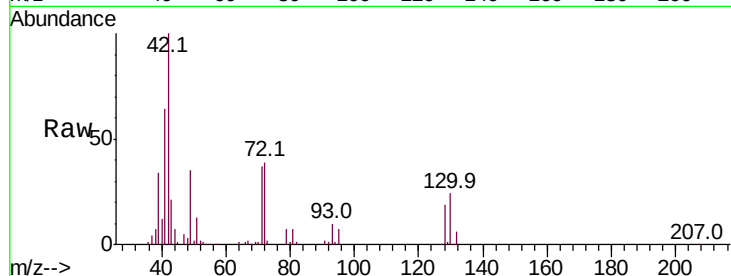




#41
Methacrylonitrile
Concen: 56.866 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

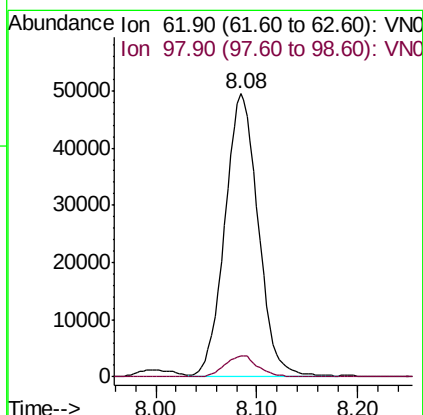
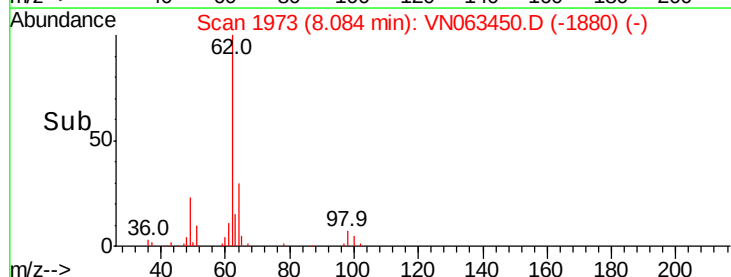
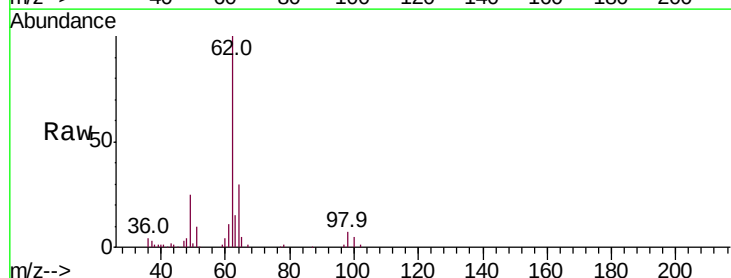
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

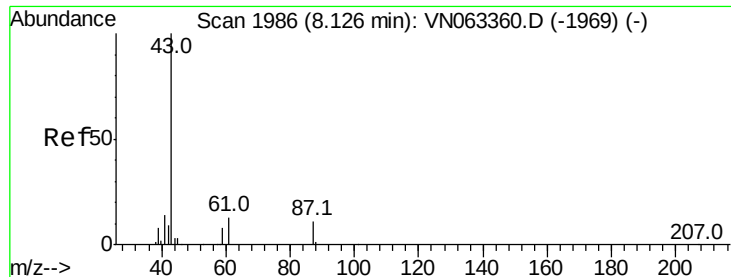
Tot Ion:	41	Resp:	133570
Ion	Ratio	Lower	Upper
41	100		
39	30.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 18.530 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion:	62	Resp:	113190
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6





#43

Isopropyl Acetate

Concen: 17.115 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

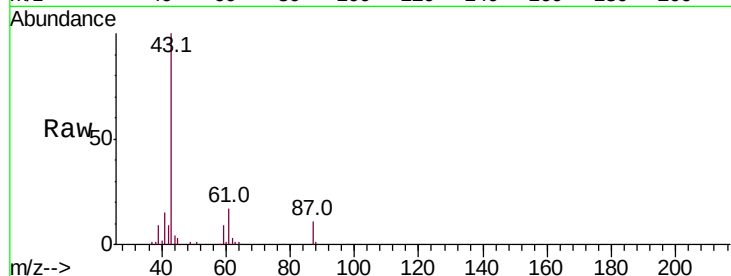
Tot Ion: 43 Resp: 159828

Ion Ratio Lower Upper

43 100

61 17.8 14.2 21.2

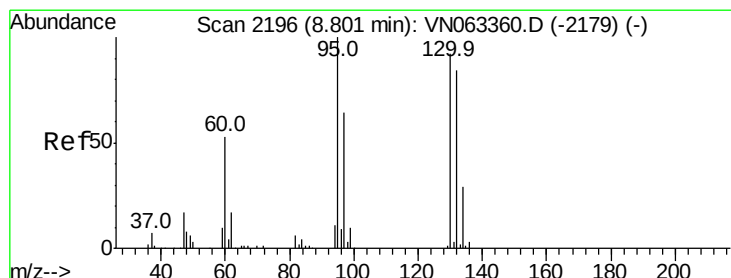
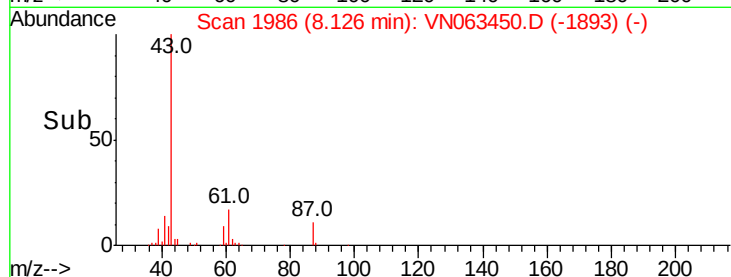
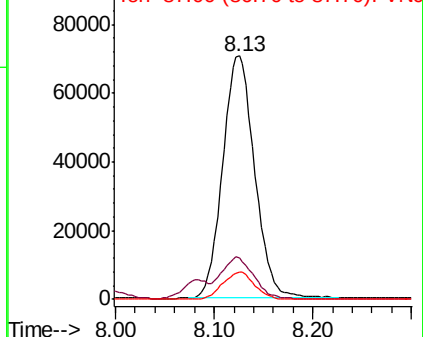
87 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.771 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063450.D

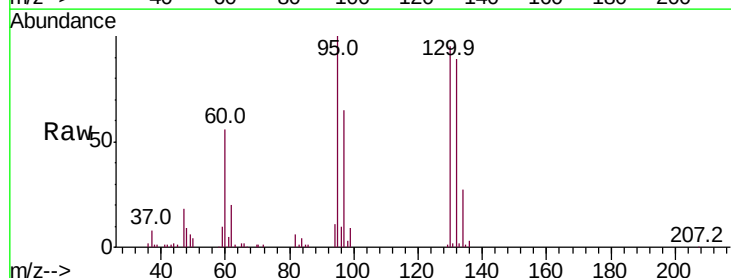
Acq: 18 Sep 2020 12:09

Tgt Ion:130 Resp: 69156

Ion Ratio Lower Upper

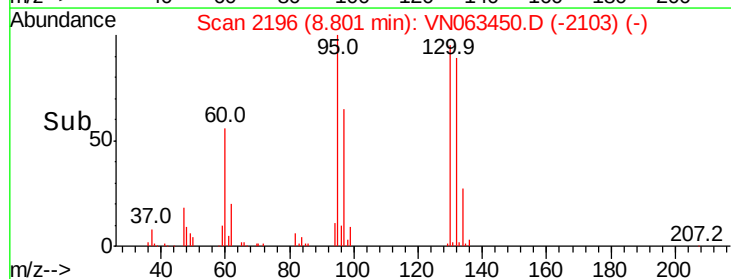
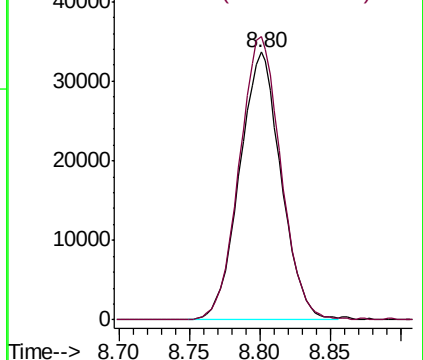
130 100

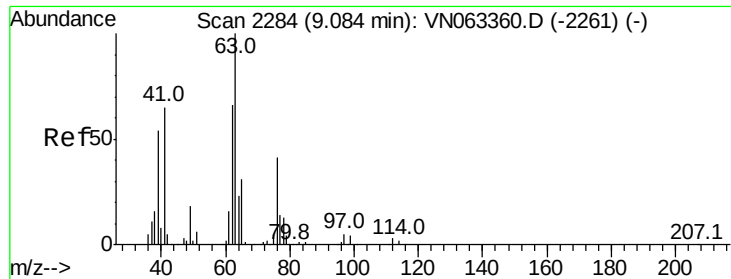
95 105.7 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 18.203 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

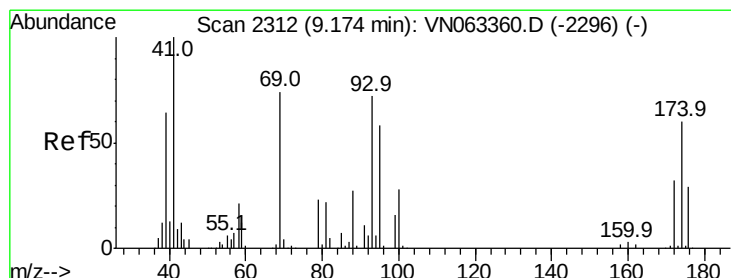
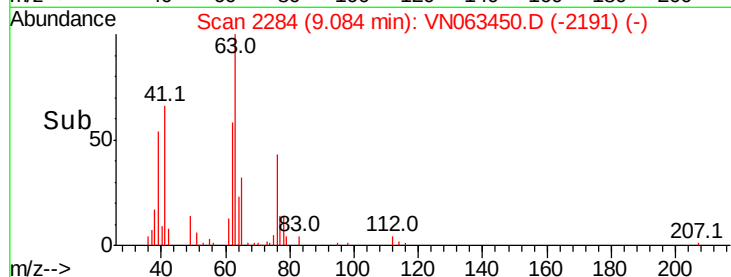
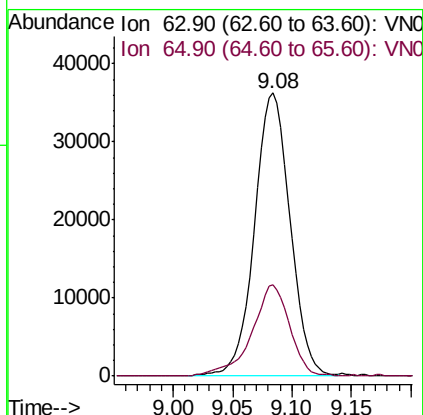
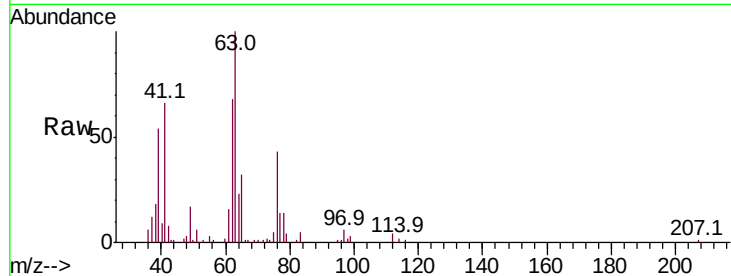
VN0918WBS01

Tot Ion: 63 Resp: 75308

Ion Ratio Lower Upper

63 100

65 32.2 25.0 37.6



#46

Dibromomethane

Concen: 18.455 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

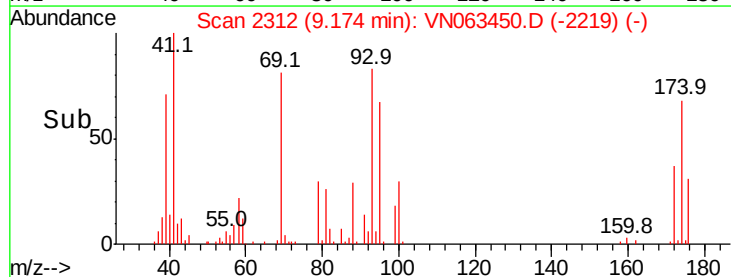
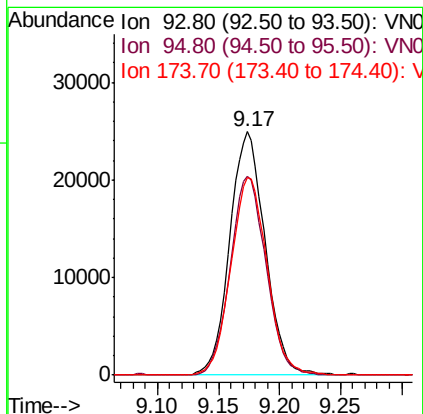
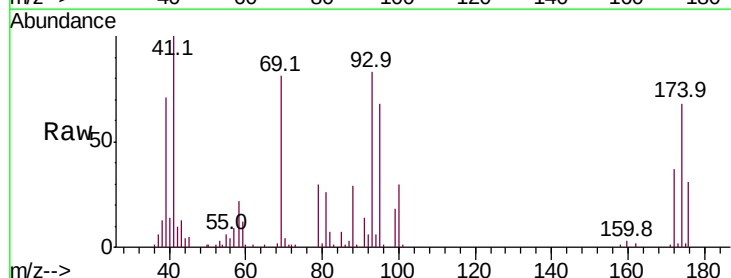
Tgt Ion: 93 Resp: 50182

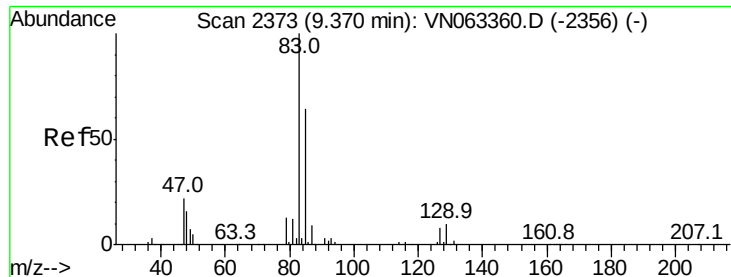
Ion Ratio Lower Upper

93 100

95 82.3 65.6 98.4

174 83.2 68.1 102.1





#47

Bromodichloromethane

Concen: 17.973 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

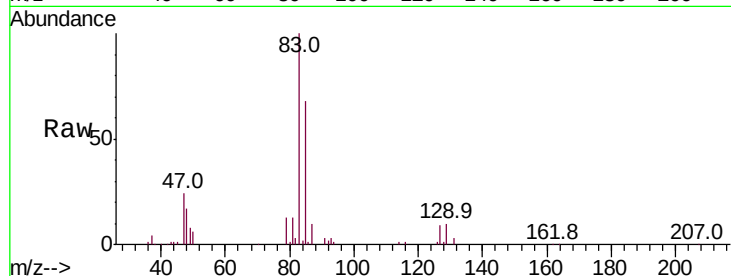
Tot Ion: 83 Resp: 101525

Ion Ratio Lower Upper

83 100

85 67.6 51.0 76.6

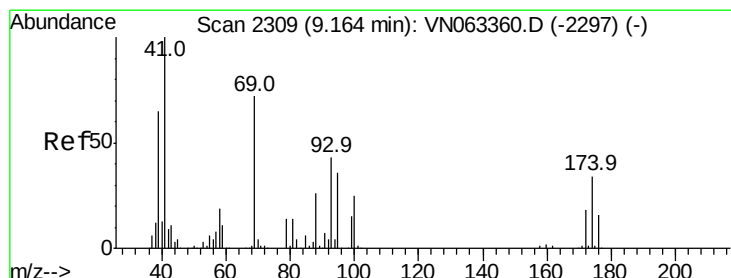
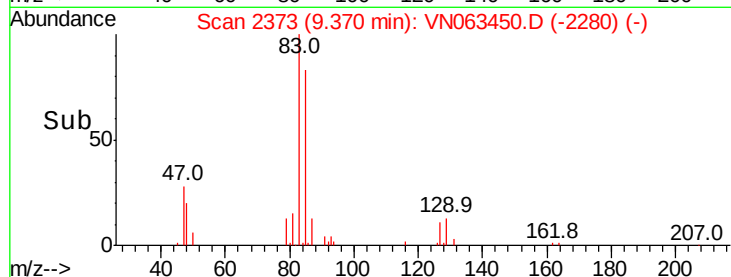
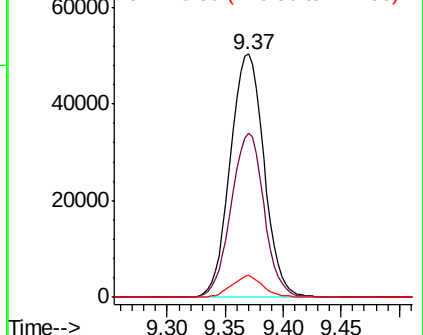
127 9.1 6.3 9.5



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: 16.292 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

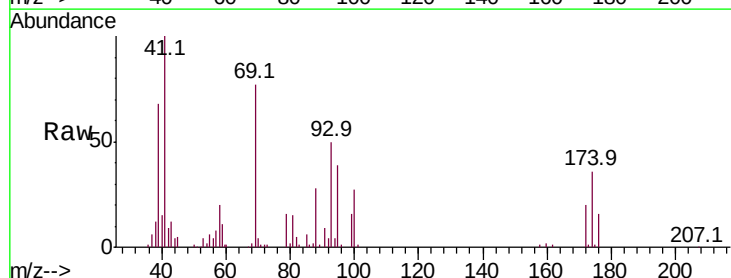
Tgt Ion: 41 Resp: 74748

Ion Ratio Lower Upper

41 100

69 79.2 59.3 88.9

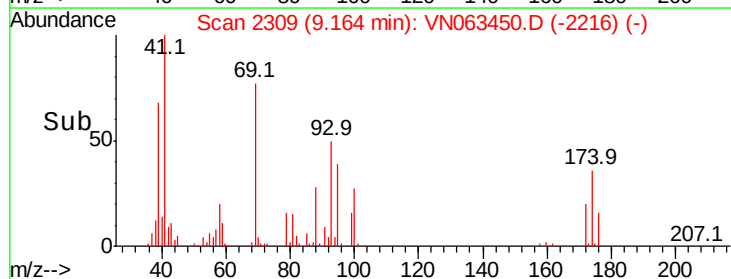
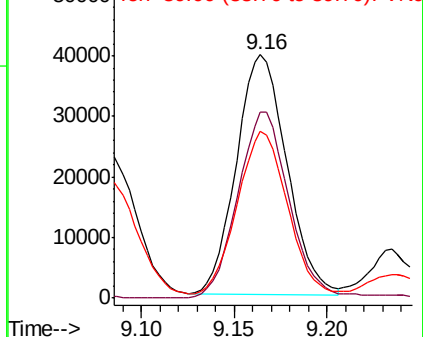
39 70.5 52.9 79.3

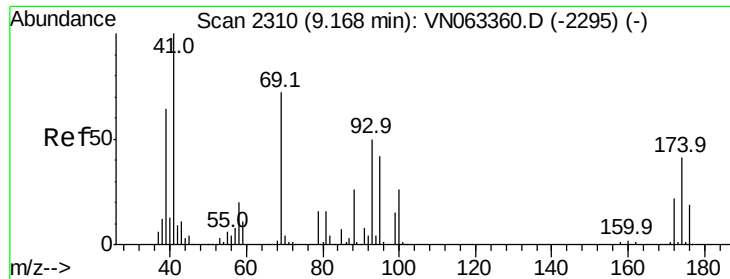


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 343.986 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

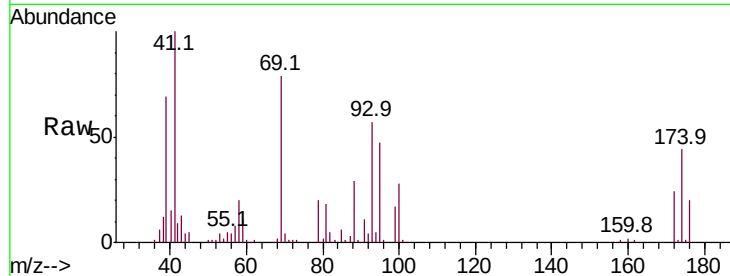
Tot Ion: 88 Resp: 22648

Ion Ratio Lower Upper

88 100

43 38.5 32.6 49.0

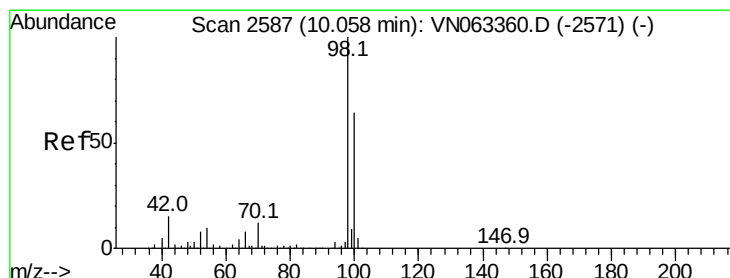
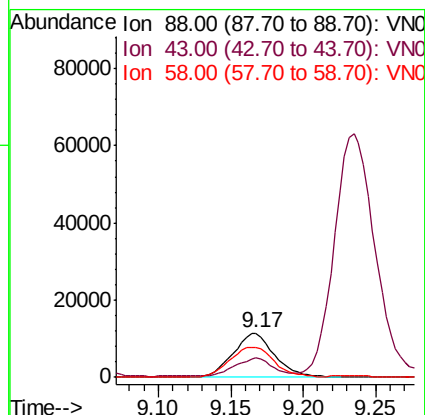
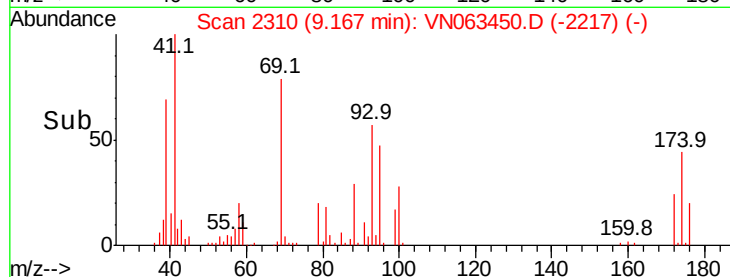
58 74.1 60.0 90.0



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.834 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063450.D

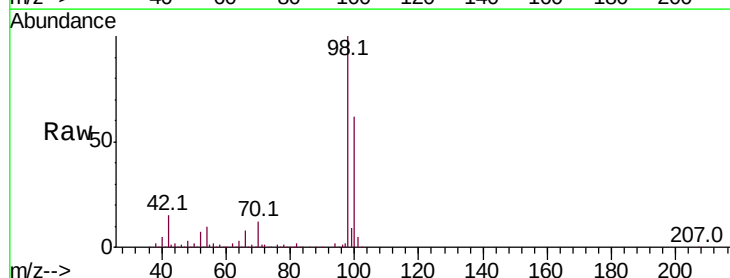
Acq: 18 Sep 2020 12:09

Tgt Ion: 98 Resp: 608920

Ion Ratio Lower Upper

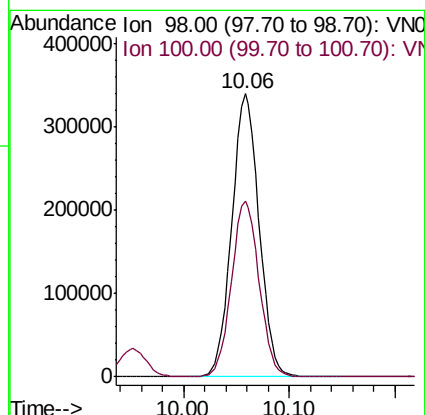
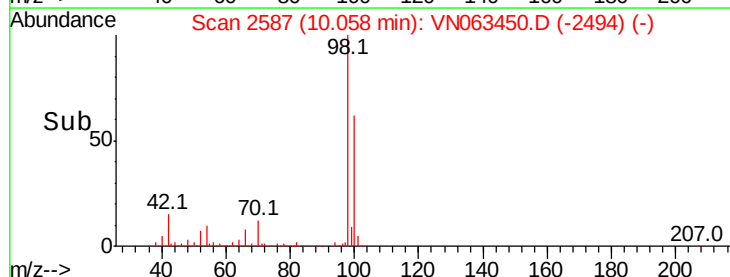
98 100

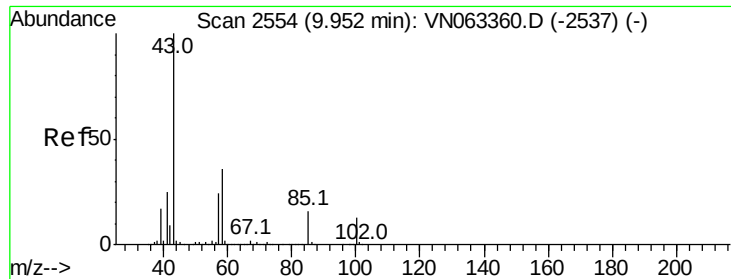
100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 88.904 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

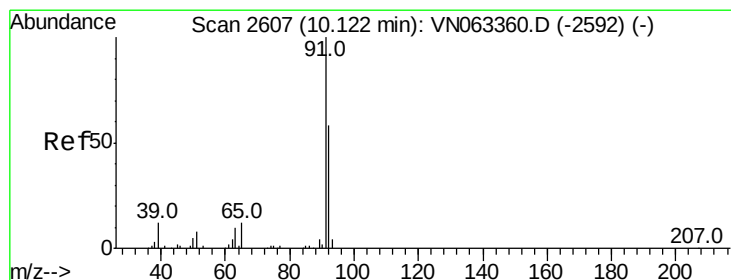
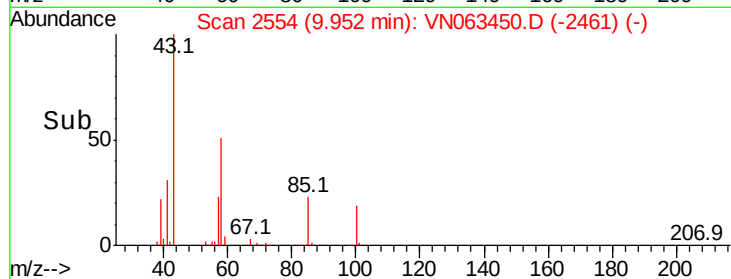
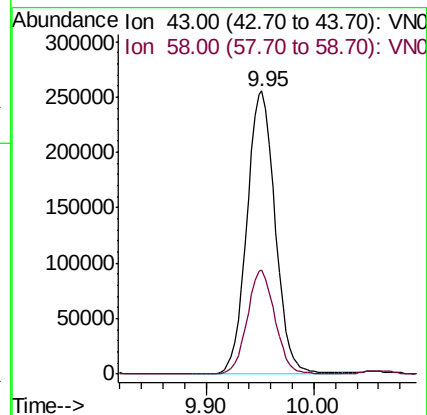
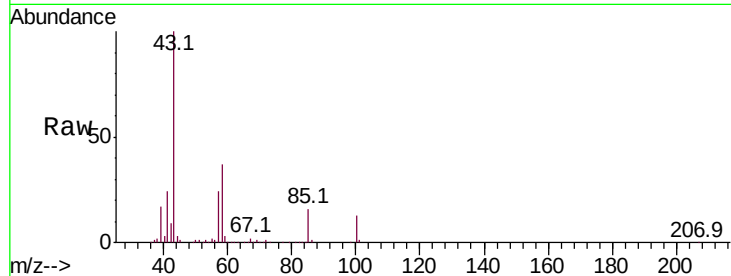
VN0918WBS01

Tot Ion: 43 Resp: 464779

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.6



#52

Toluene

Concen: 18.845 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063450.D

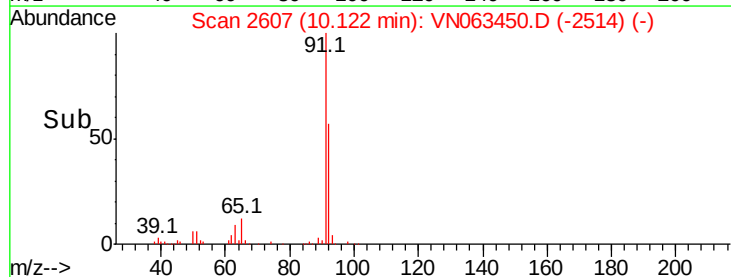
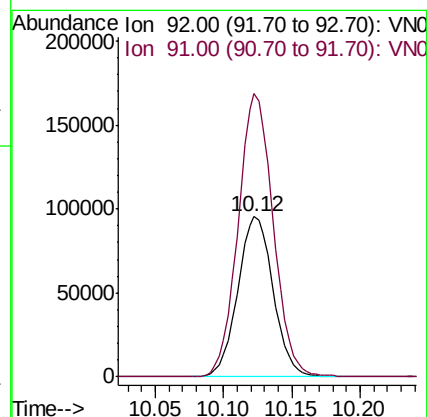
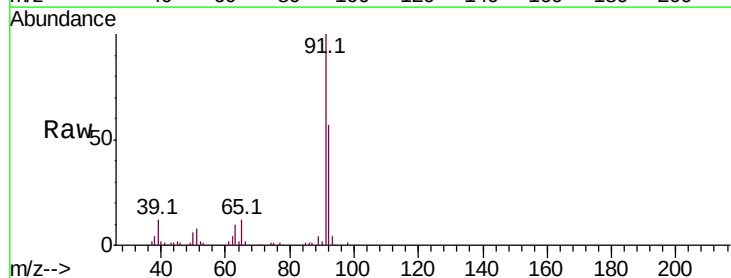
Acq: 18 Sep 2020 12:09

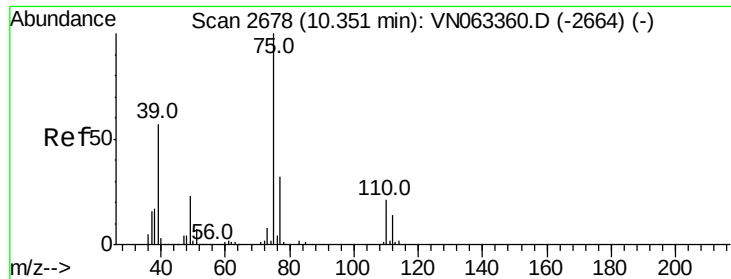
Tgt Ion: 92 Resp: 172103

Ion Ratio Lower Upper

92 100

91 175.6 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.031 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

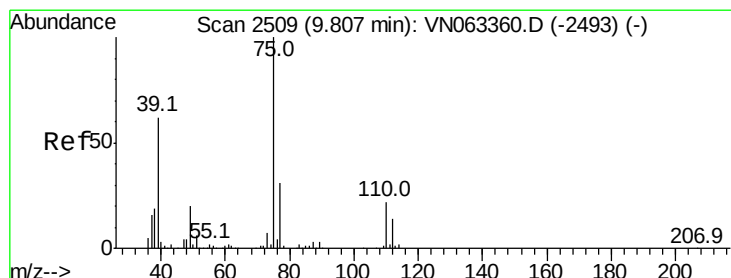
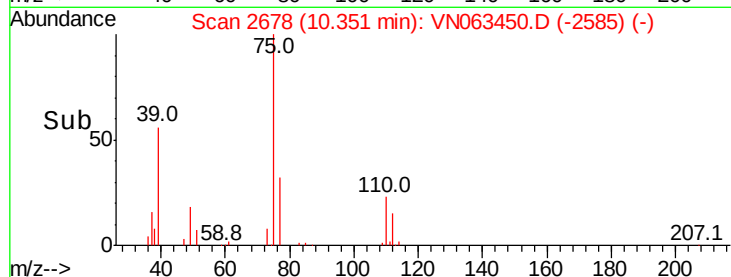
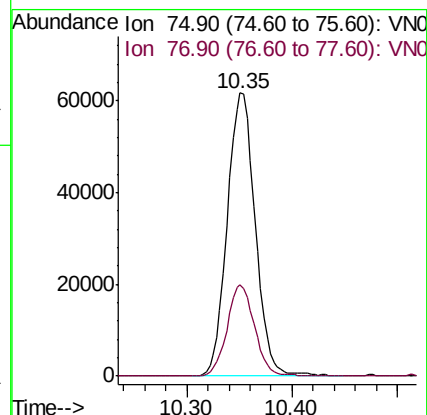
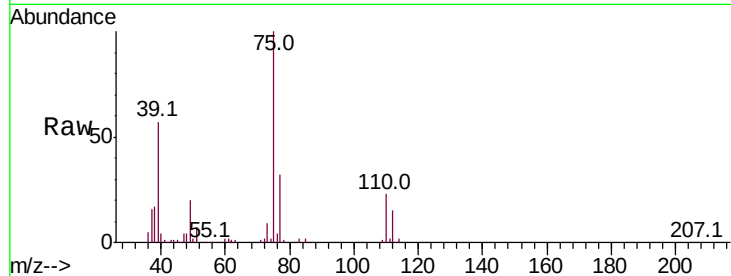
VN0918WBS01

Tot Ion: 75 Resp: 113707

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 18.175 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

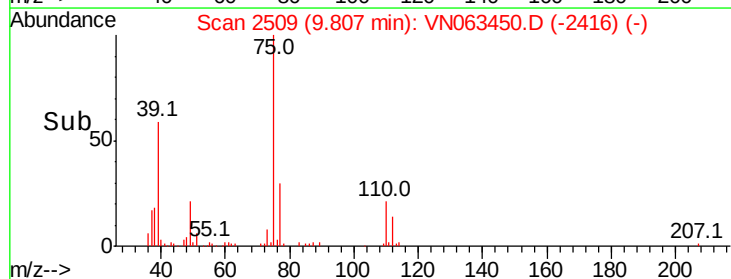
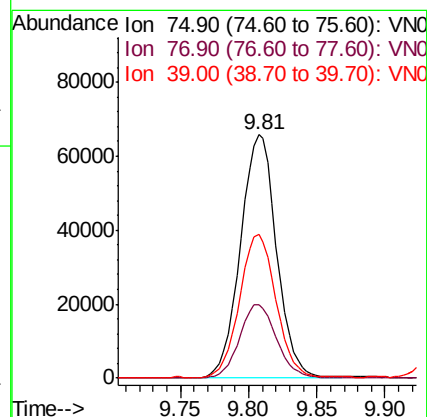
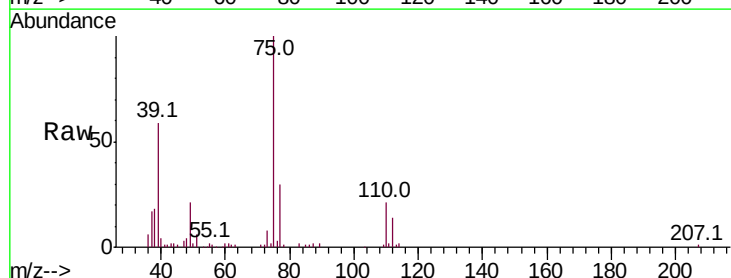
Tgt Ion: 75 Resp: 120901

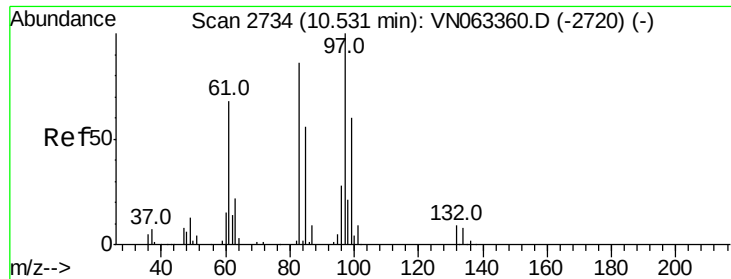
Ion Ratio Lower Upper

75 100

77 30.3 24.6 37.0

39 58.7 49.8 74.8

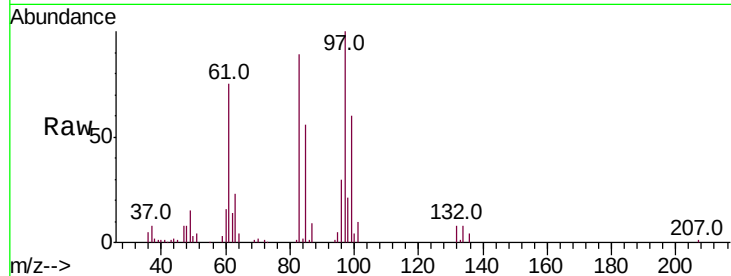




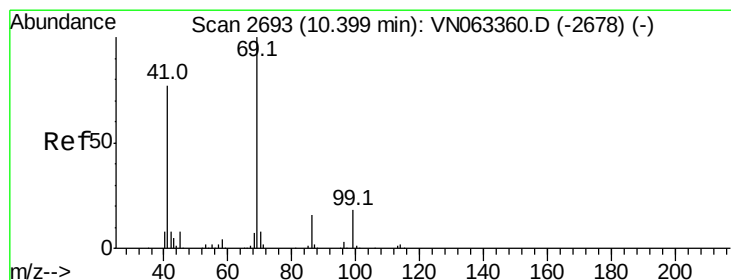
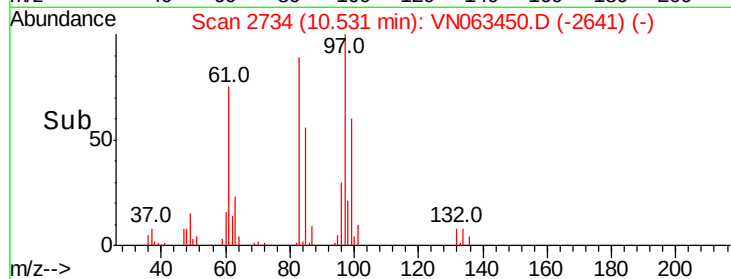
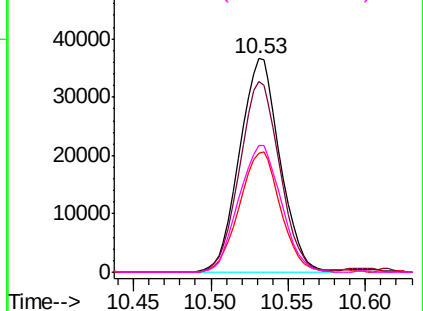
#55
 1,1,2-Trichloroethane
 Concen: 18.408 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBS01

Tot Ion:	97	Resp:	66776
Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.9	103.3
85	55.9	44.8	67.2
99	59.6	47.8	71.8

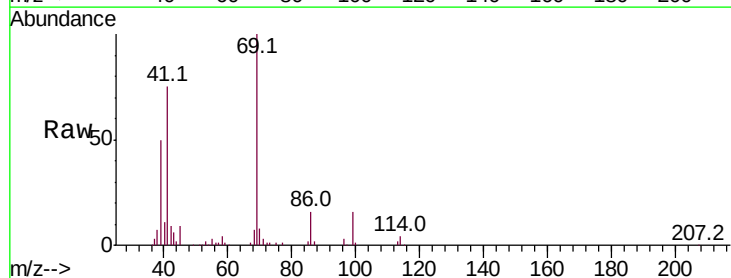


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

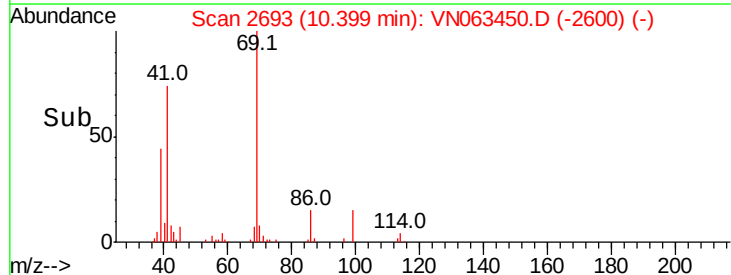
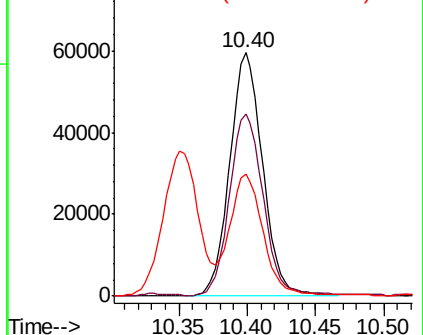


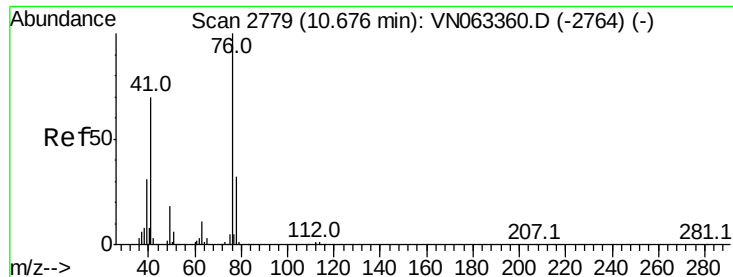
#56
 Ethyl methacrylate
 Concen: 17.675 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion:	69	Resp:	100095
Ion	Ratio	Lower	Upper
69	100		
41	75.7	61.0	91.6
39	49.6	39.2	58.8



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





#57

1,3-Dichloropropane

Concen: 18.120 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

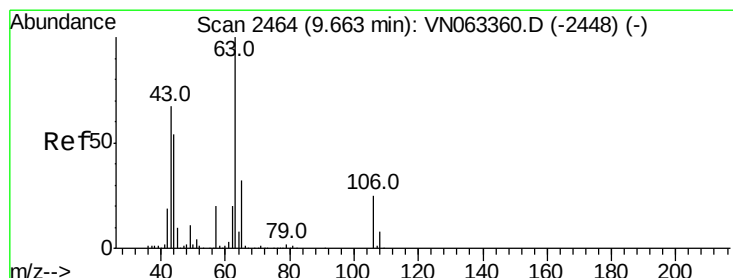
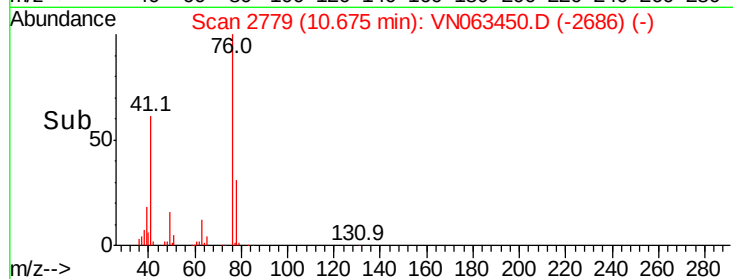
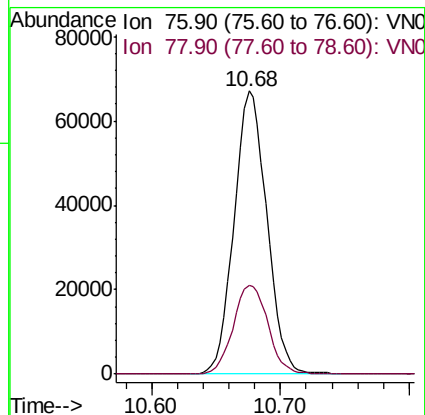
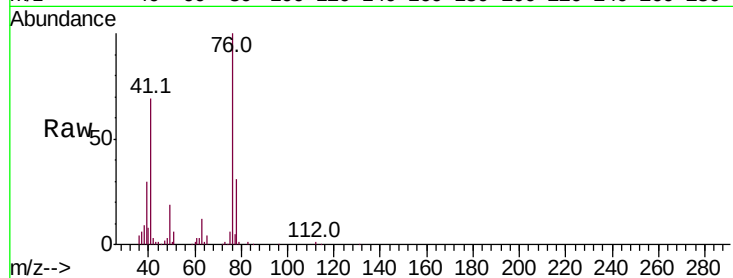
VN0918WBS01

Tot Ion: 76 Resp: 118533

Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 86.422 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063450.D

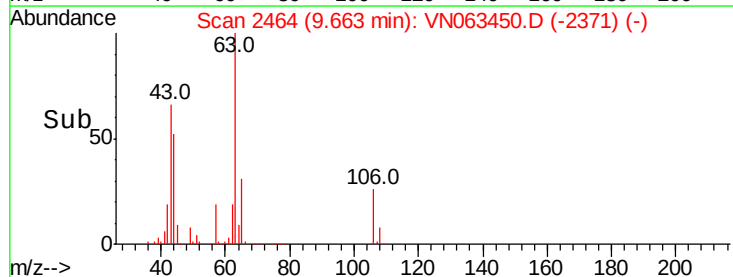
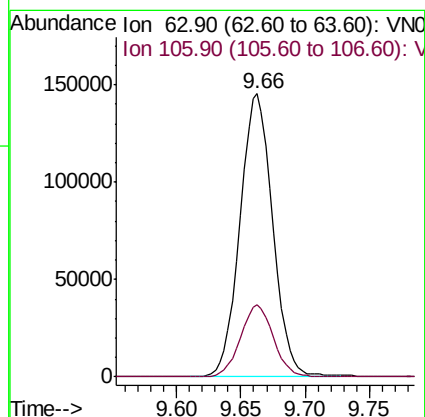
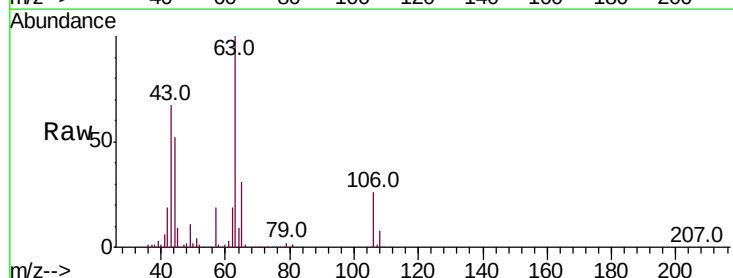
Acq: 18 Sep 2020 12:09

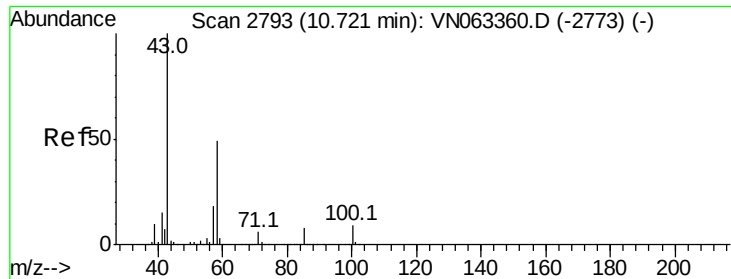
Tgt Ion: 63 Resp: 256735

Ion Ratio Lower Upper

63 100

106 25.7 19.5 29.3

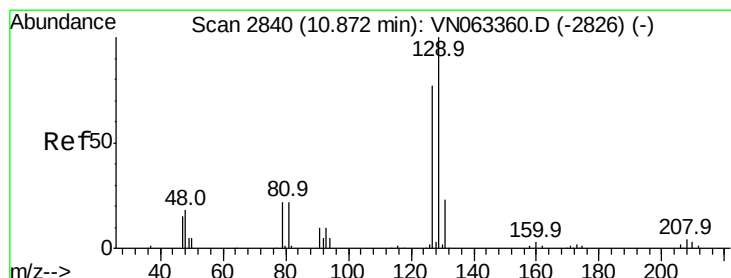
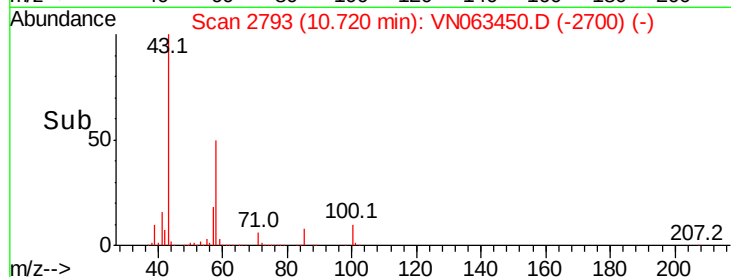
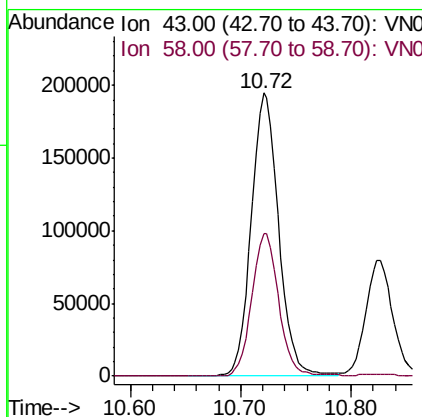
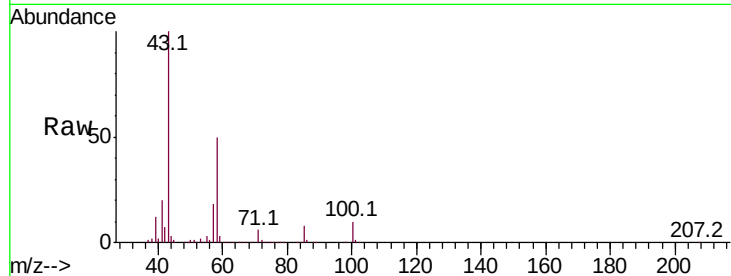




#59
2-Hexanone
Concen: 87.861 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

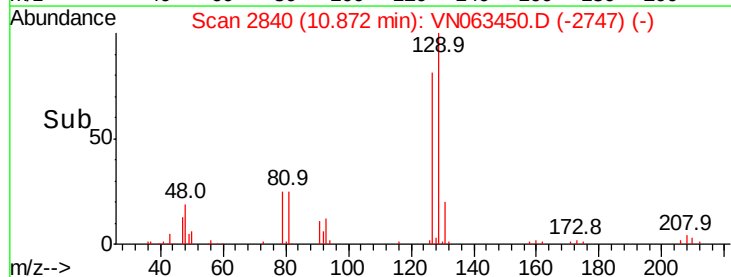
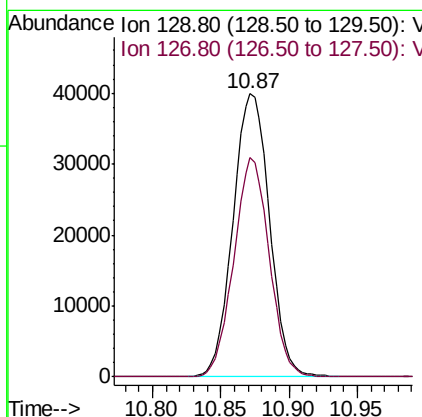
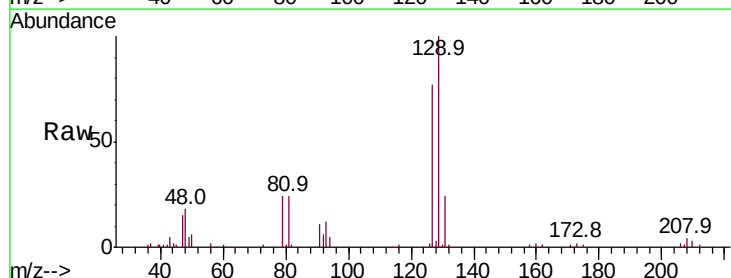
Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

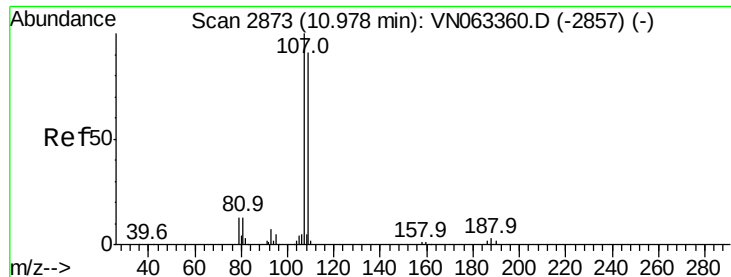
Tot Ion: 43 Resp: 332771
Ion Ratio Lower Upper
43 100
58 50.1 24.7 74.1



#60
Dibromochloromethane
Concen: 18.128 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 129 Resp: 74293
Ion Ratio Lower Upper
129 100
127 74.8 39.1 117.3

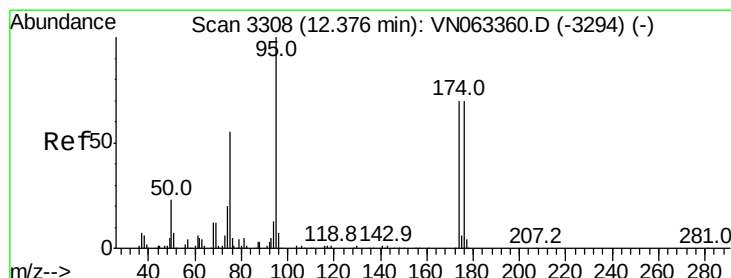
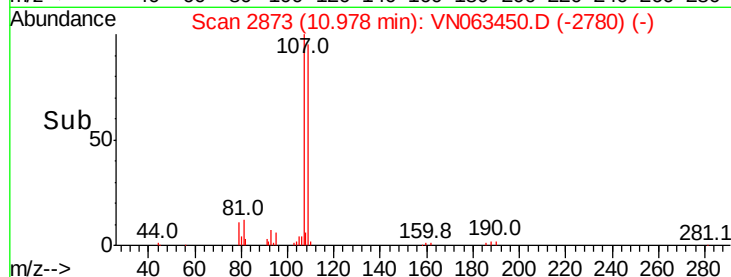
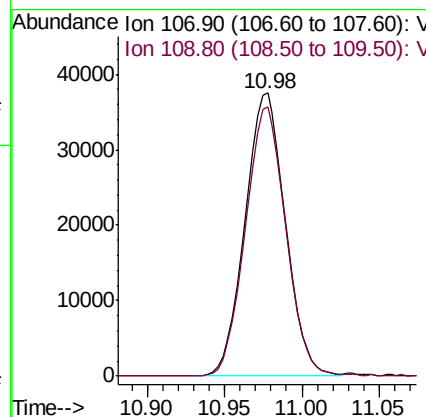
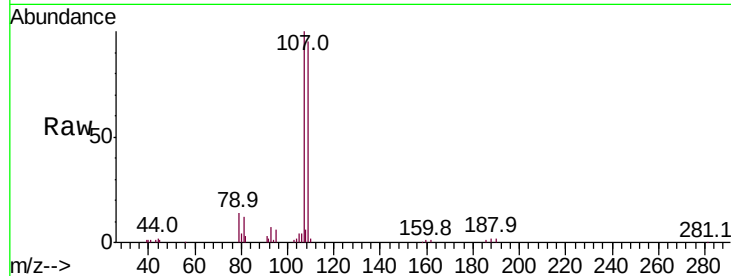




#61
 1,2-Dibromoethane
 Concen: 18.063 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

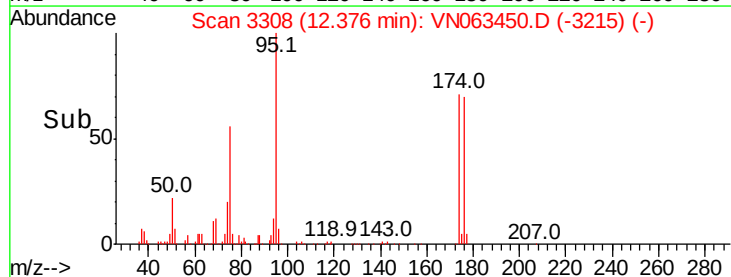
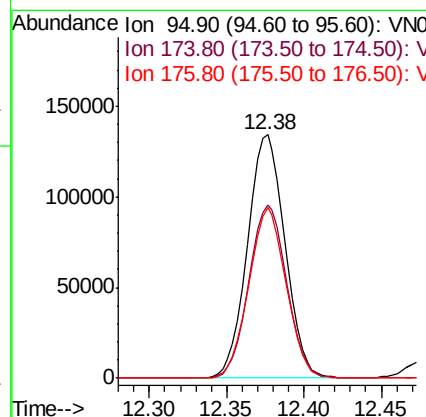
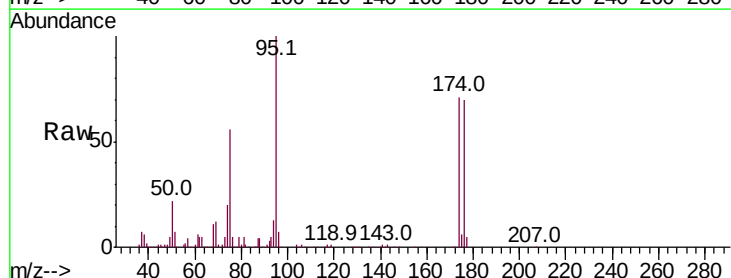
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

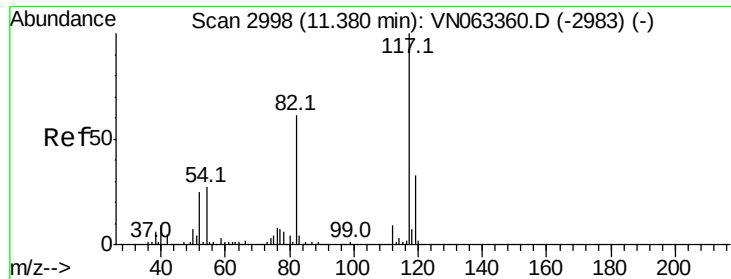
Tot Ion:107 Resp: 68075
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 47.587 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion: 95 Resp: 226809
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 140.8
 176 69.5 0.0 137.6

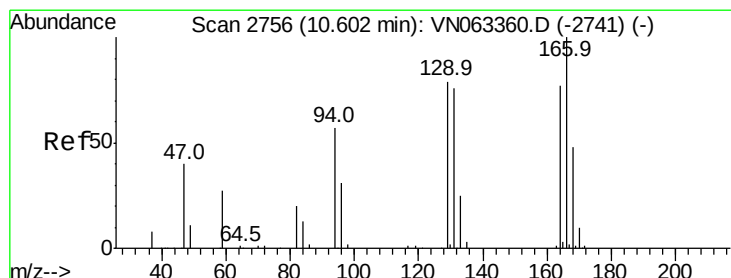
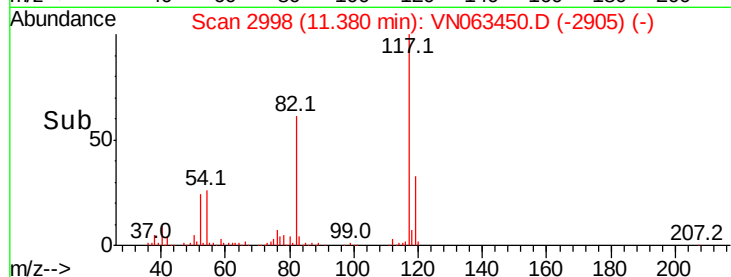
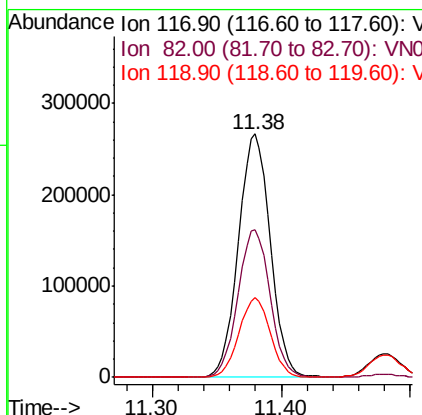
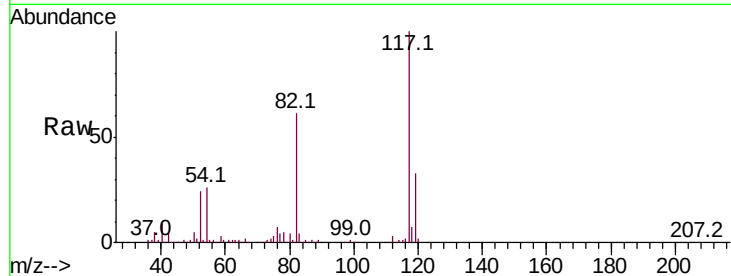




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

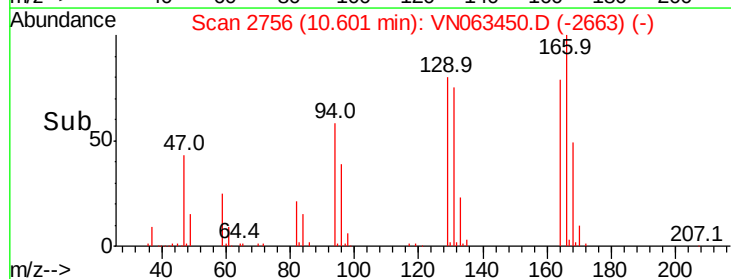
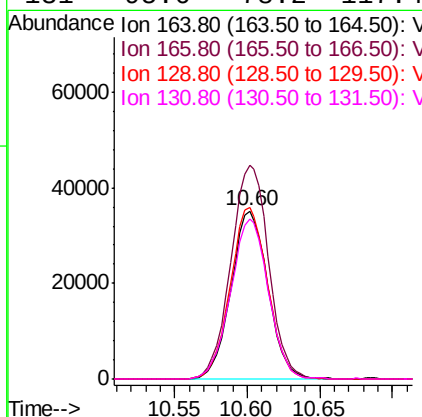
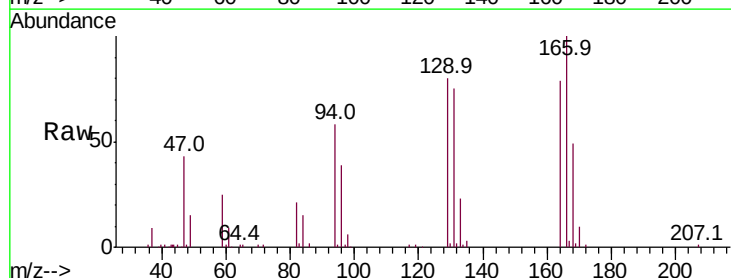
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

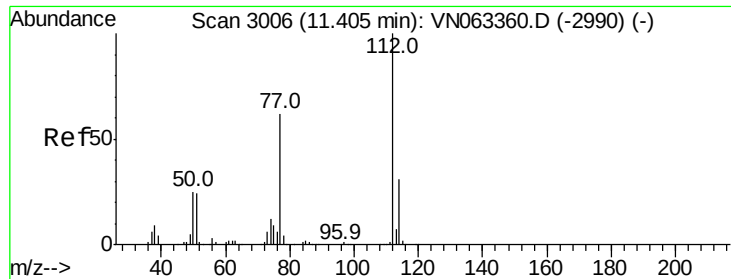
Tot Ion:117 Resp: 459293
Ion Ratio Lower Upper
117 100
82 60.9 49.2 73.8
119 32.5 26.2 39.4



#64
Tetrachloroethene
Concen: 19.706 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion:164 Resp: 61629
Ion Ratio Lower Upper
164 100
166 127.2 103.4 155.0
129 102.1 81.8 122.6
131 95.6 78.2 117.4

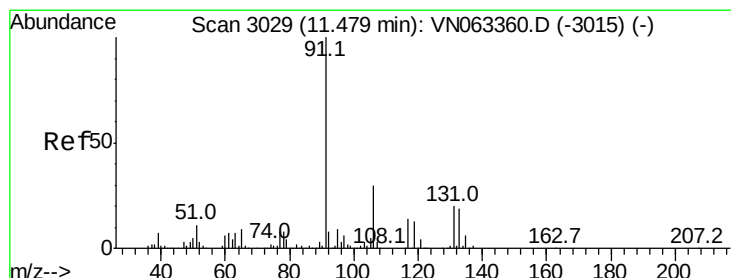
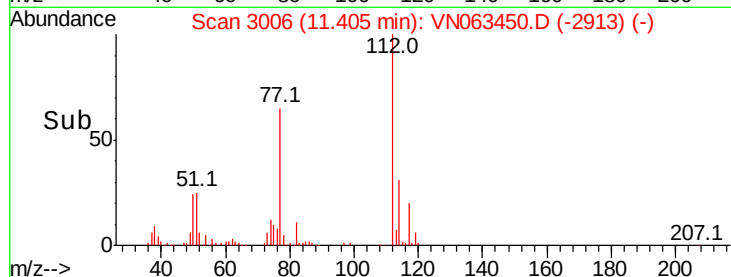
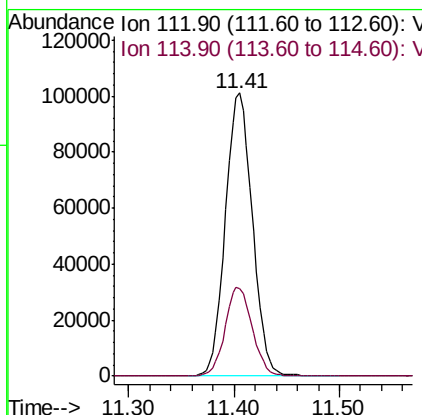
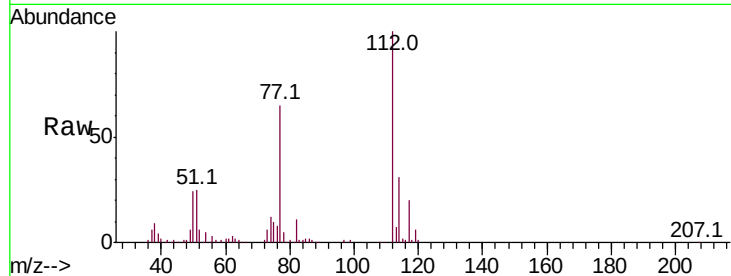




#65
Chlorobenzene
Concen: 18.364 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

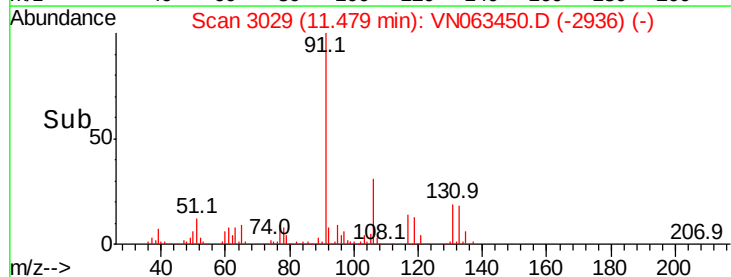
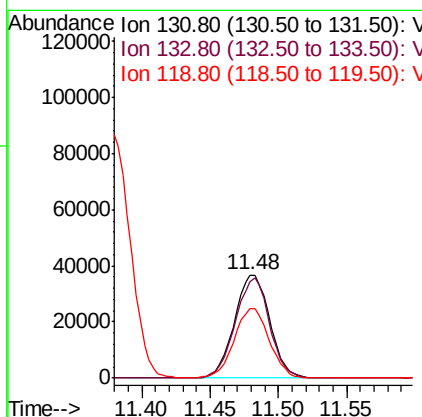
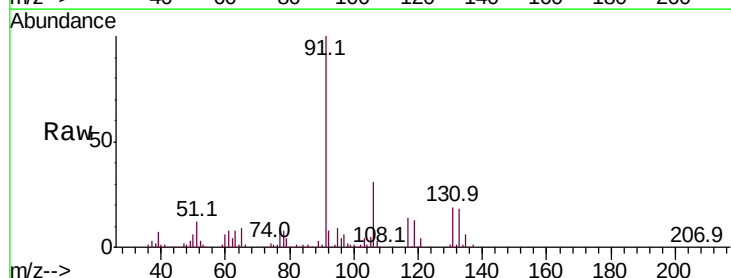
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

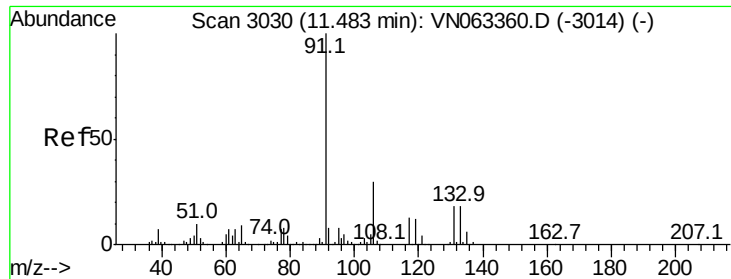
Tot Ion:112 Resp: 179041
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.530 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion:131 Resp: 66222
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.9
119 67.1 33.6 100.8

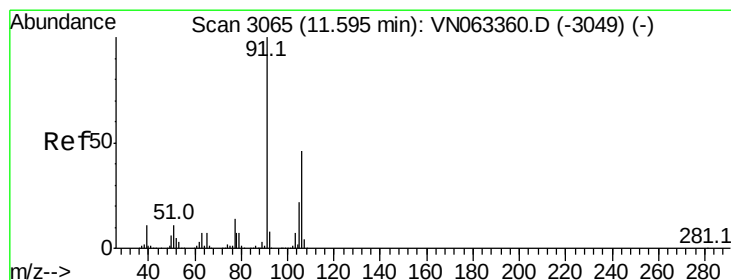
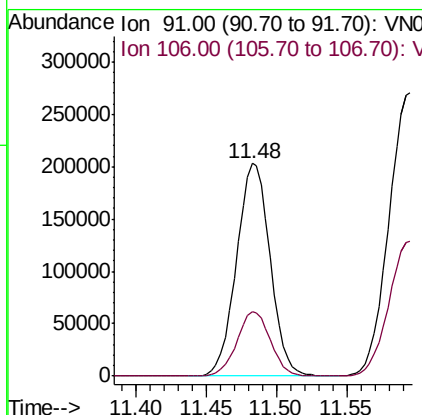
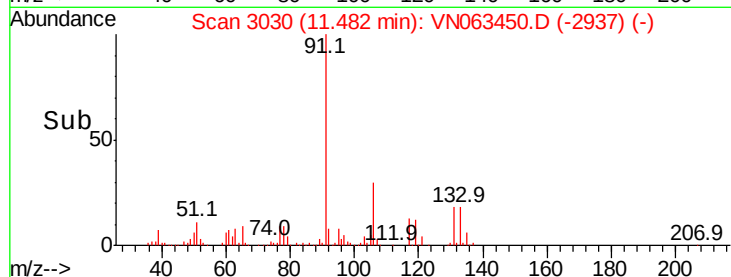
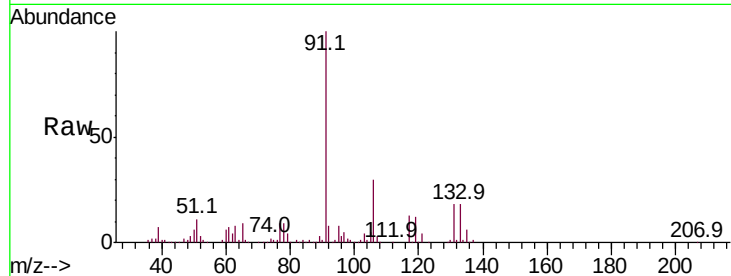




#67
Ethyl Benzene
Concen: 18.490 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

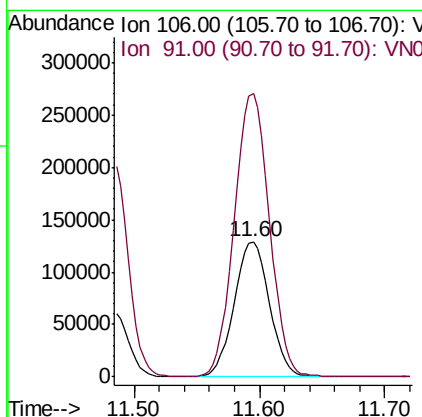
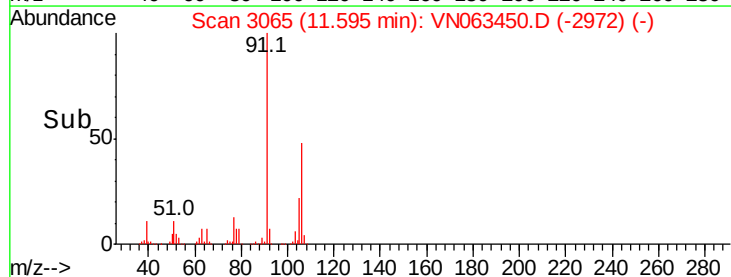
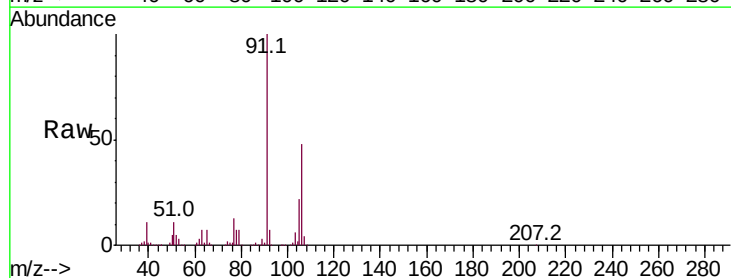
Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

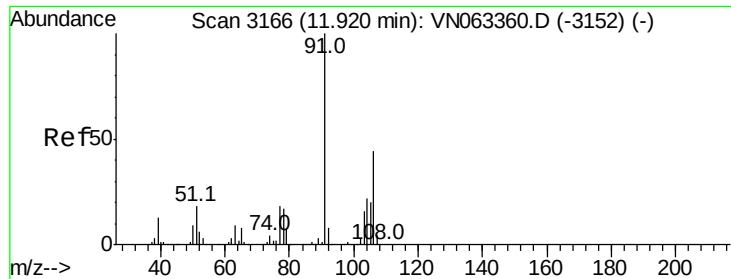
Tot Ion: 91 Resp: 339487
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6



#68
m/p-Xylenes
Concen: 37.961 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 106 Resp: 251296
Ion Ratio Lower Upper
106 100
91 208.3 171.2 256.8

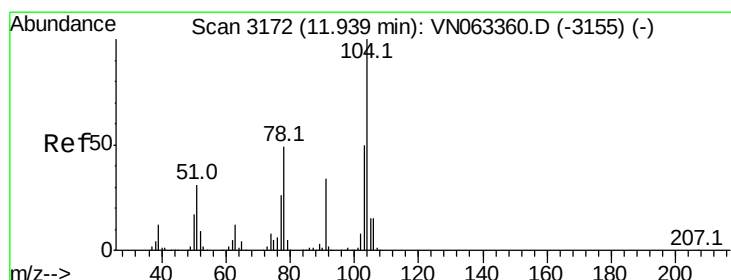
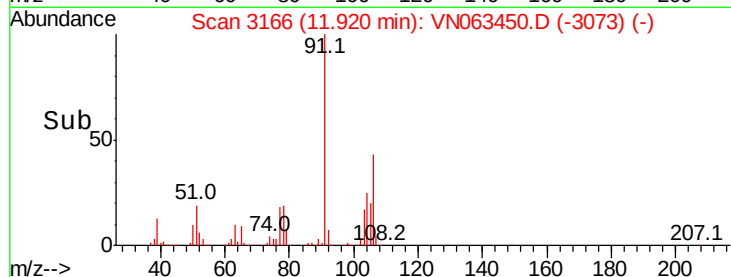
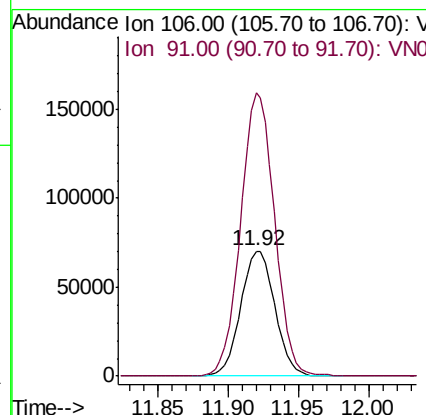
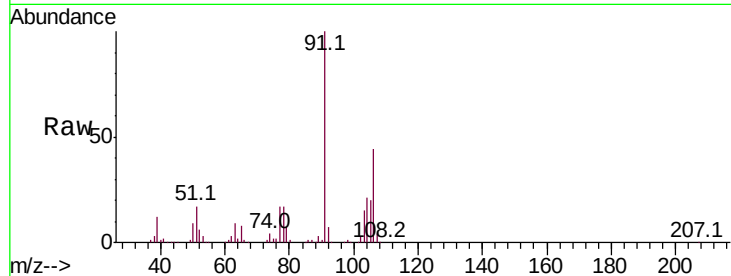




#69
o-Xylene
Concen: 18.917 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

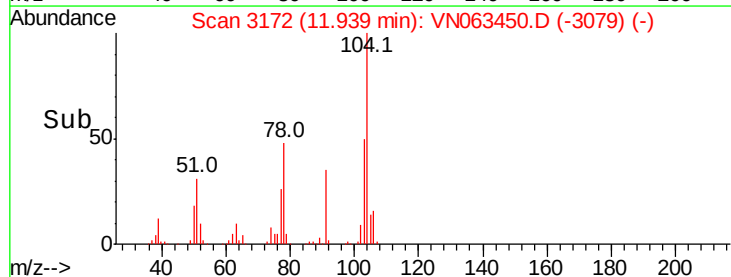
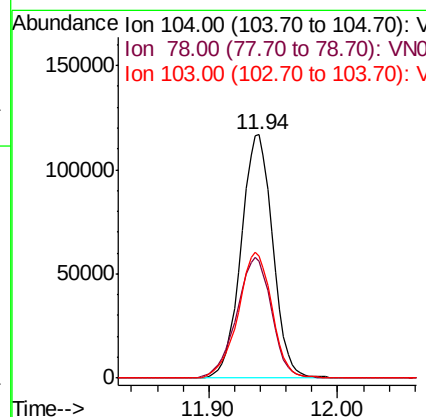
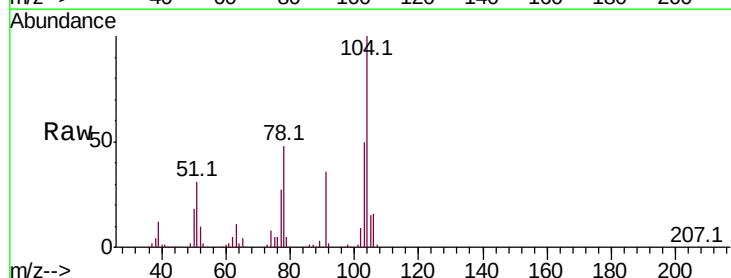
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

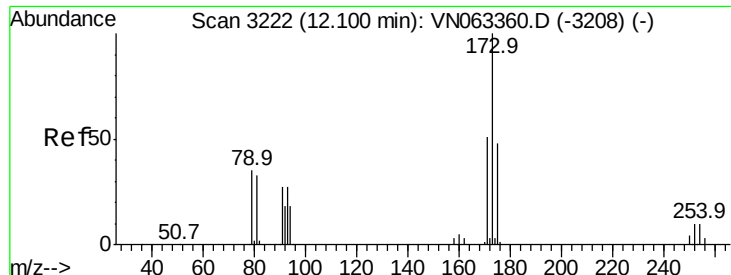
Tot Ion:106 Resp: 119290
Ion Ratio Lower Upper
106 100
91 225.4 113.6 340.8



#70
Styrene
Concen: 18.899 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion:104 Resp: 199853
Ion Ratio Lower Upper
104 100
78 54.6 44.4 66.6
103 55.3 43.7 65.5

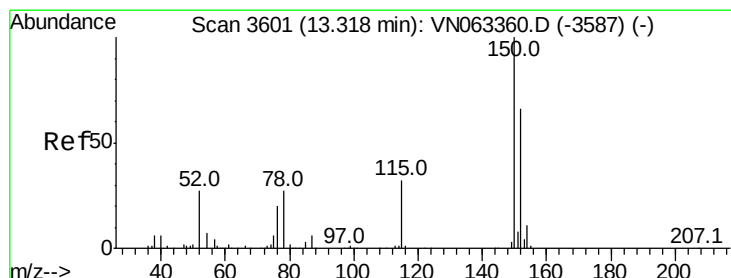
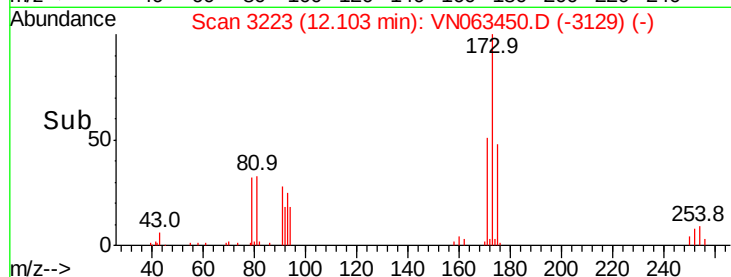
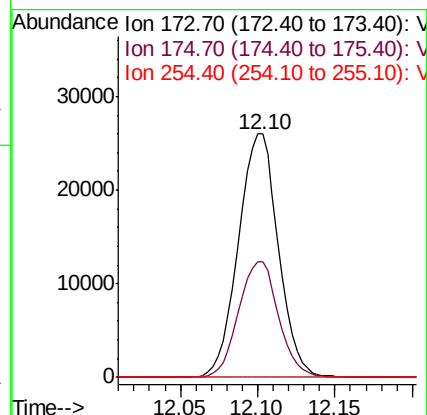
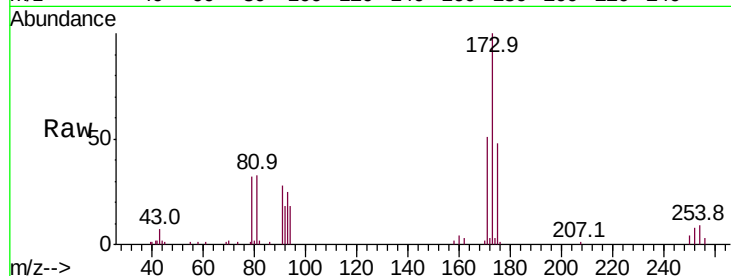




#71
Bromoform
Concen: 17.494 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

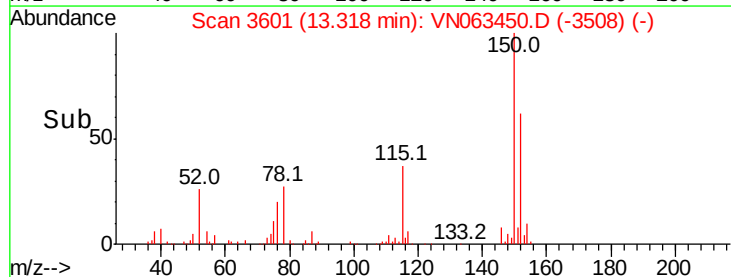
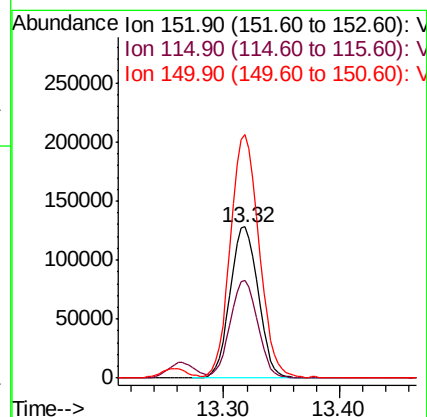
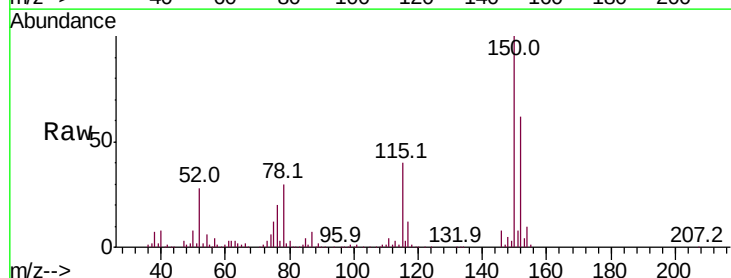
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

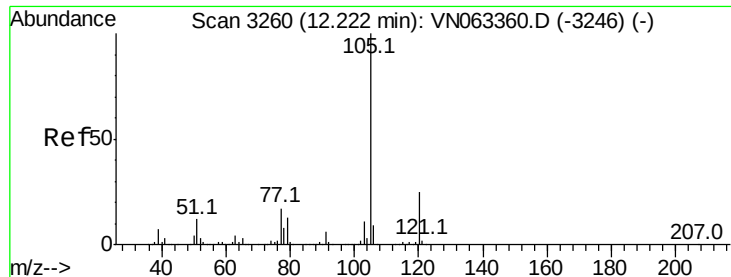
Tot Ion:173 Resp: 46575
Ion Ratio Lower Upper
173 100
175 47.7 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion:152 Resp: 214385
Ion Ratio Lower Upper
152 100
115 63.2 32.2 96.6
150 163.0 0.0 343.4





#73

Isopropylbenzene

Concen: 18.918 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

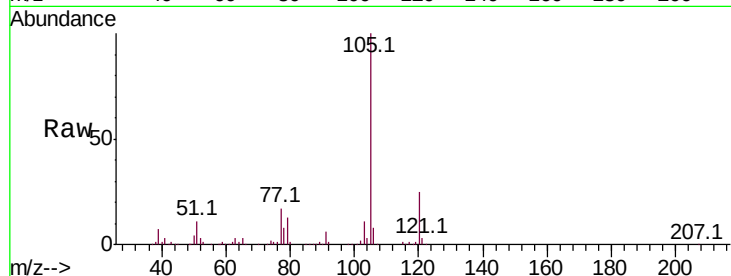
VN0918WBS01

Tot Ion:105 Resp: 325010

Ion Ratio Lower Upper

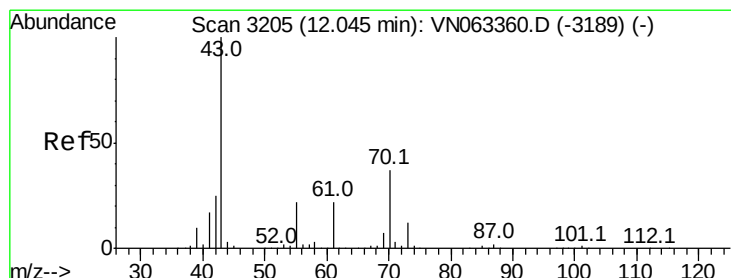
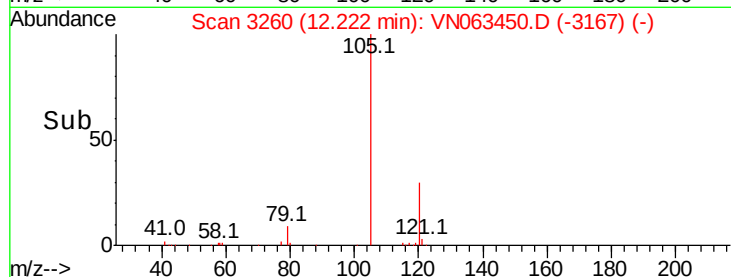
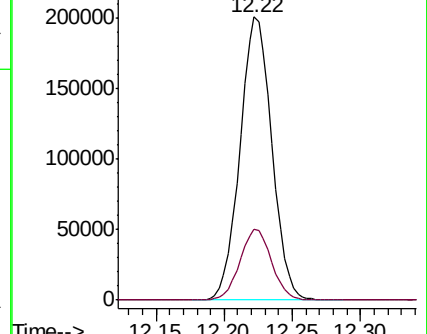
105 100

120 24.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.120 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Tgt Ion: 43 Resp: 139227

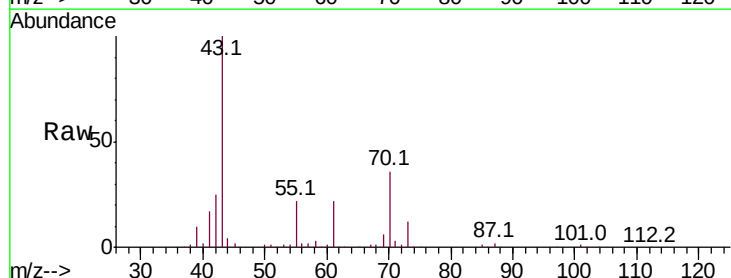
Ion Ratio Lower Upper

43 100

70 36.1 29.6 44.4

55 21.8 17.7 26.5

61 22.0 17.4 26.2

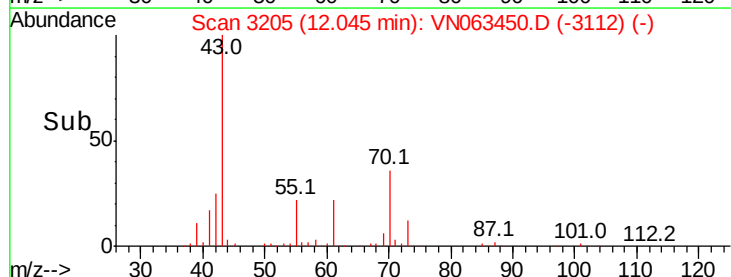
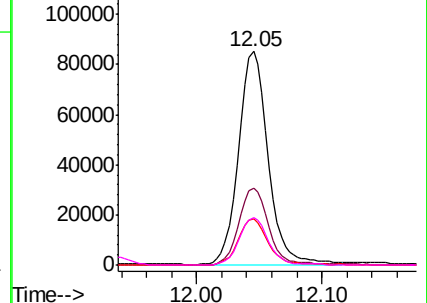


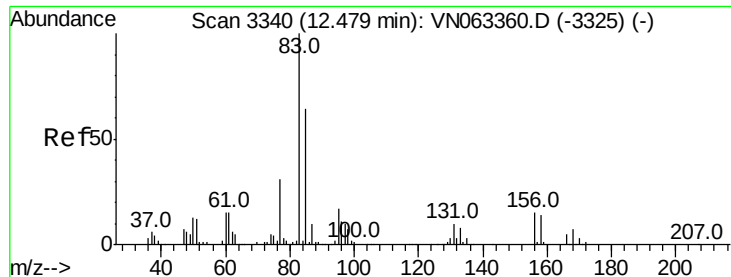
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.949 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

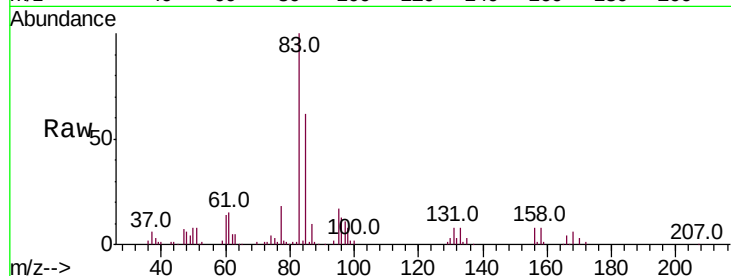
Tot Ion: 83 Resp: 95477

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

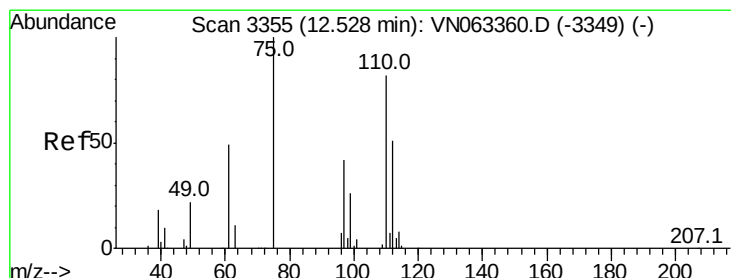
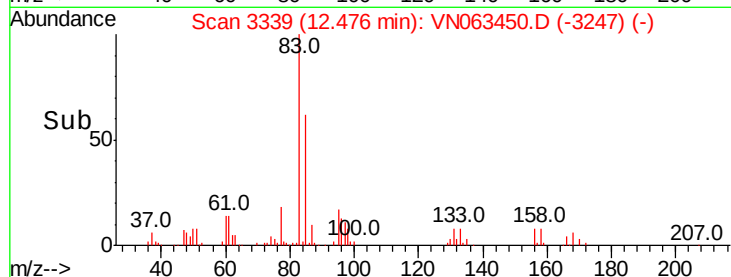
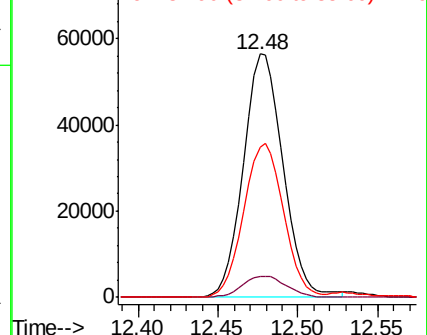
85 63.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.193 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063450.D

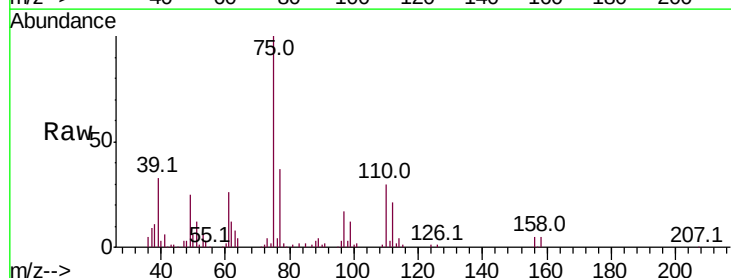
Acq: 18 Sep 2020 12:09

Tgt Ion: 75 Resp: 133682

Ion Ratio Lower Upper

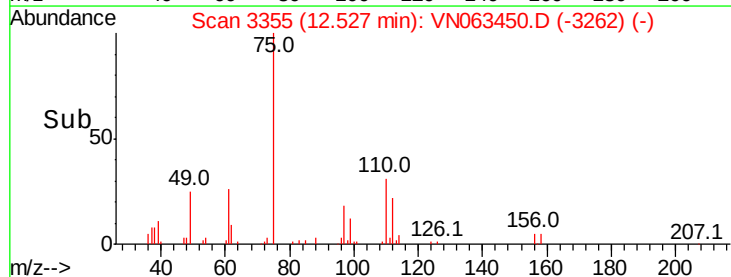
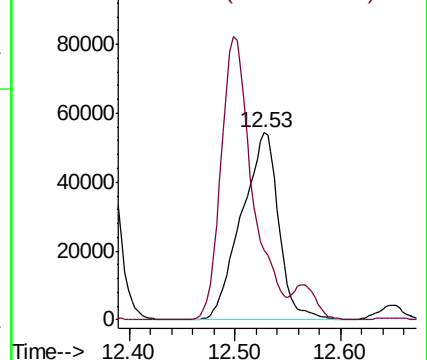
75 100

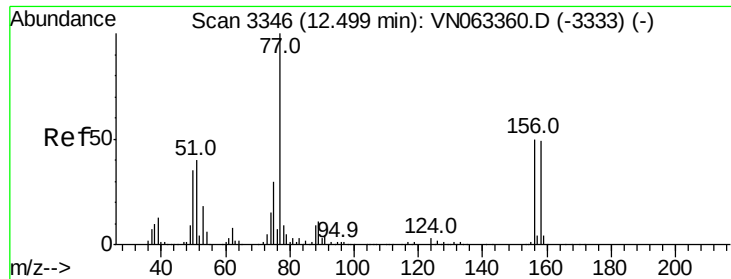
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

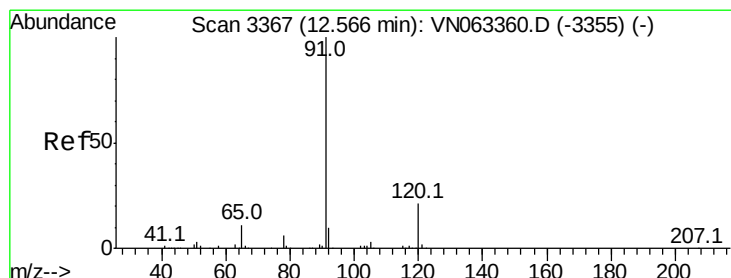
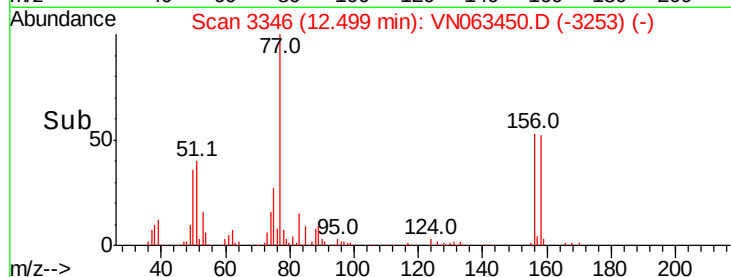
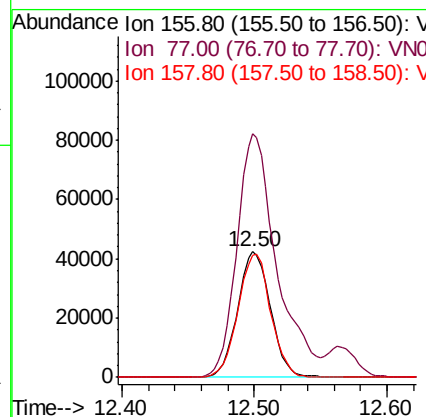
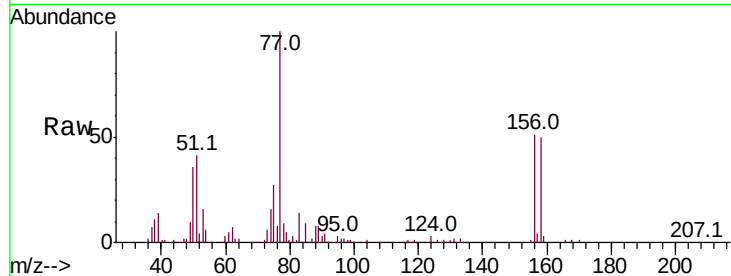




#77
Bromobenzene
Concen: 18.916 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

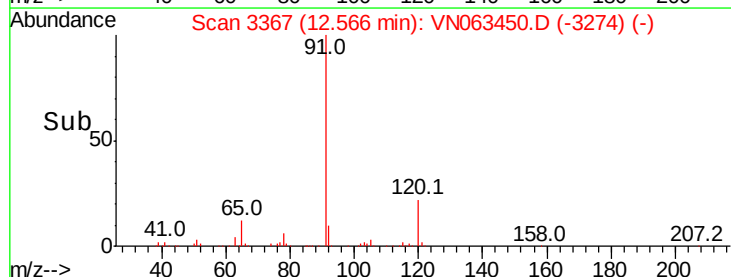
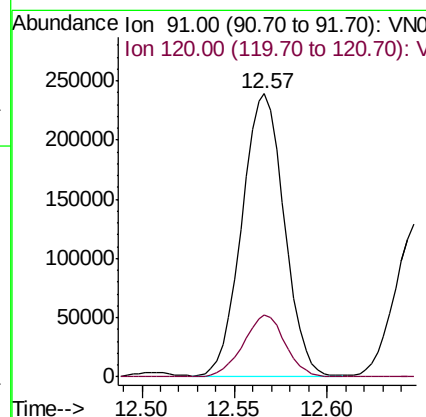
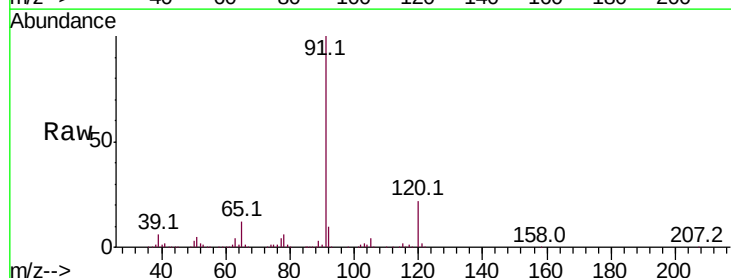
Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

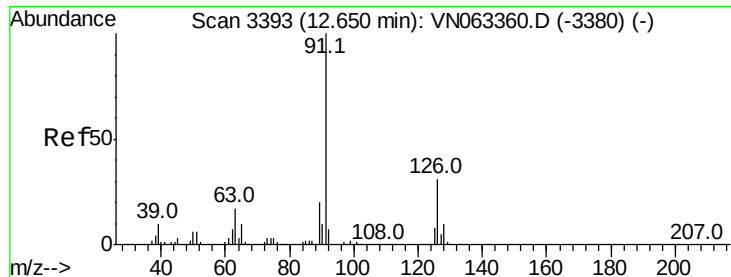
Tot Ion:156 Resp: 73100
Ion Ratio Lower Upper
156 100
77 234.5 120.2 360.6
158 97.5 48.9 146.6



#78
n-propylbenzene
Concen: 18.872 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion: 91 Resp: 377613
Ion Ratio Lower Upper
91 100
120 21.8 10.8 32.3





#79

2-Chlorotoluene

Concen: 18.495 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

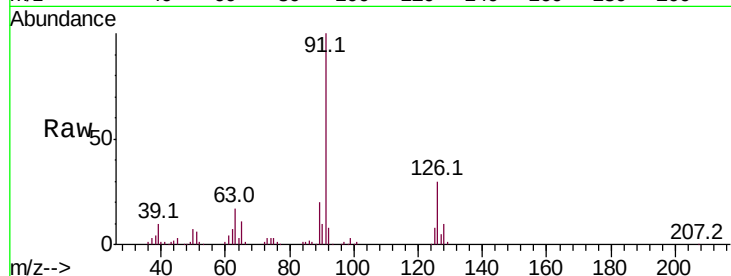
VN0918WBS01

Tot Ion: 91 Resp: 221841

Ion Ratio Lower Upper

91 100

126 31.2 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

250000

200000

150000

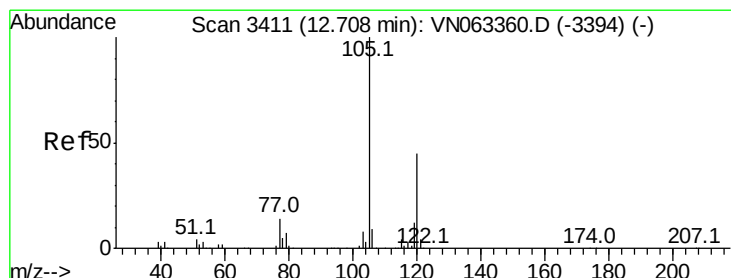
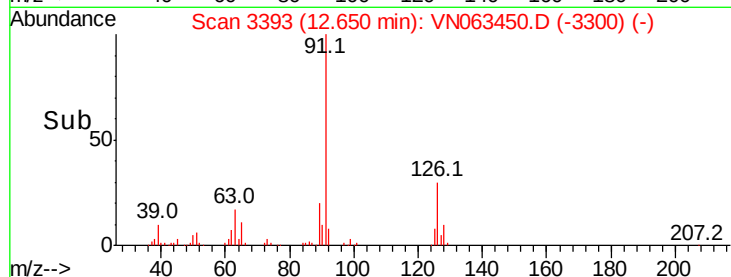
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.166 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063450.D

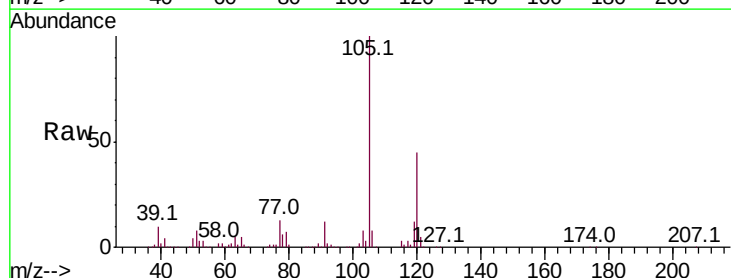
Acq: 18 Sep 2020 12:09

Tgt Ion:105 Resp: 274571

Ion Ratio Lower Upper

105 100

120 44.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

200000

150000

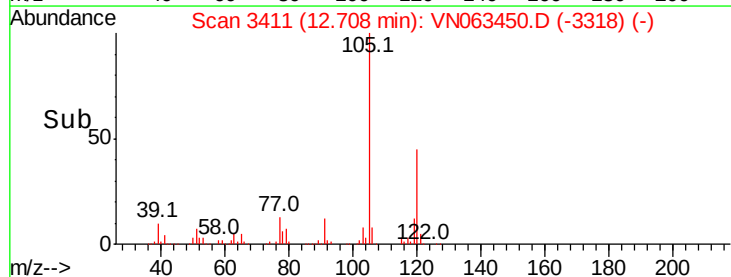
100000

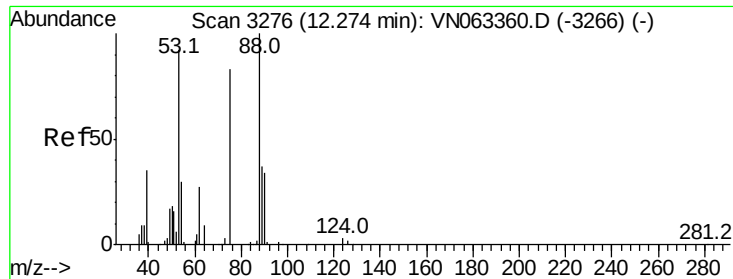
50000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.842 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

VN0918WBS01

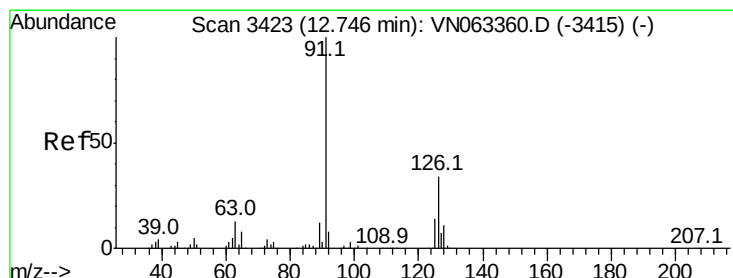
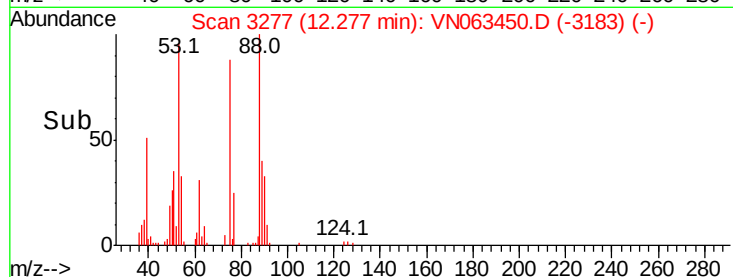
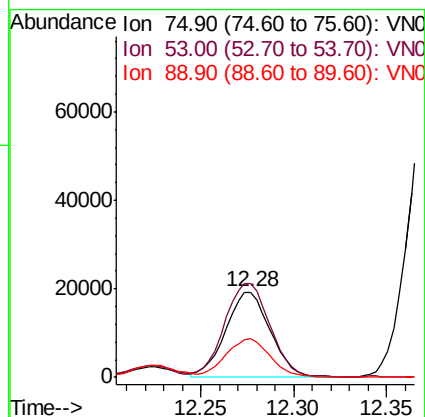
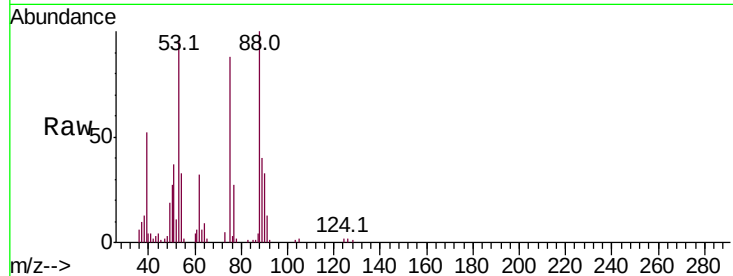
Tot Ion: 75 Resp: 32598

Ion Ratio Lower Upper

75 100

53 112.2 85.7 128.5

89 44.8 38.0 57.0



#82

4-Chlorotoluene

Concen: 18.528 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063450.D

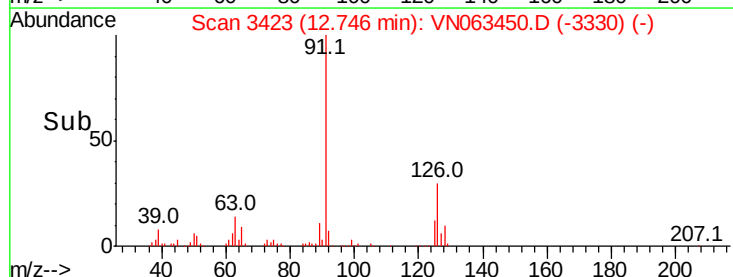
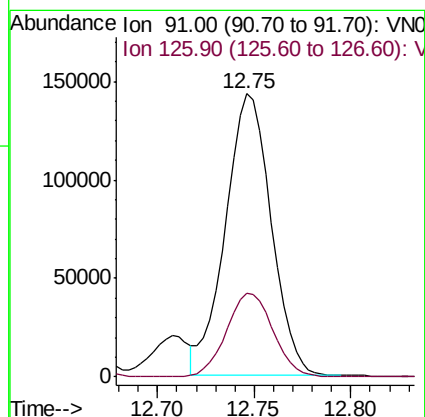
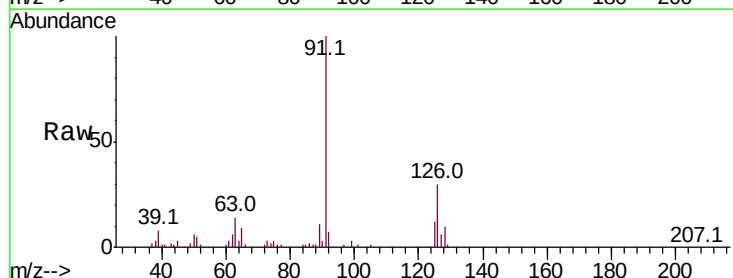
Acq: 18 Sep 2020 12:09

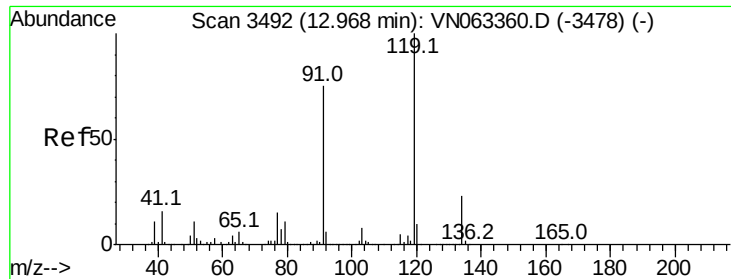
Tgt Ion: 91 Resp: 234814

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5

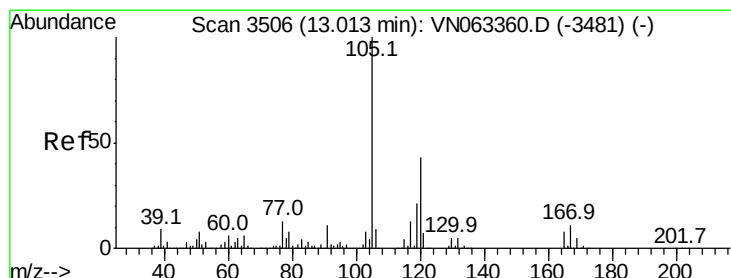
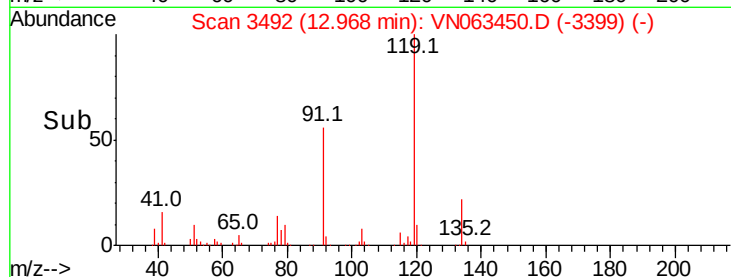
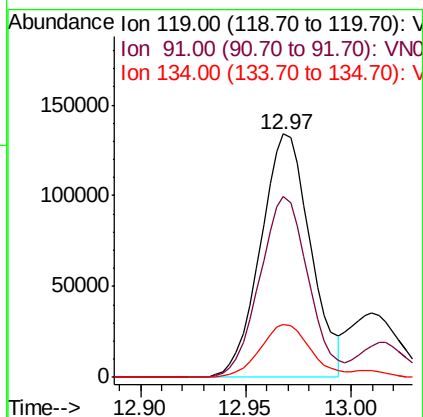
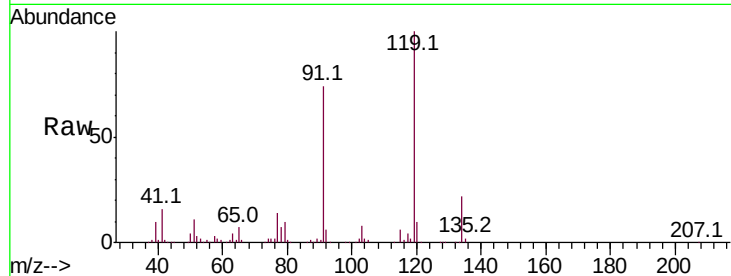




#83
tert-Butylbenzene
Concen: 18.724 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

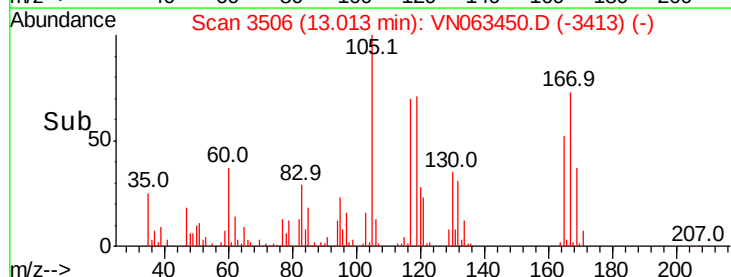
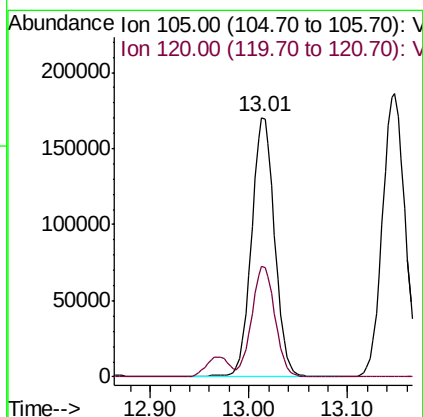
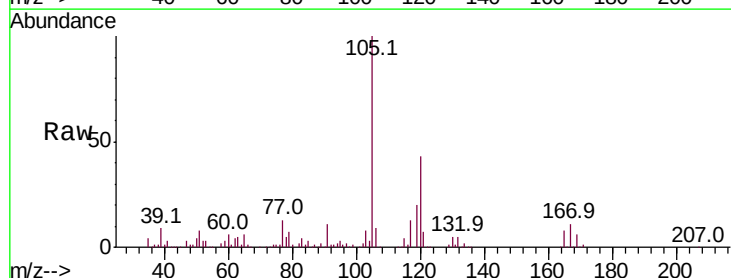
Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

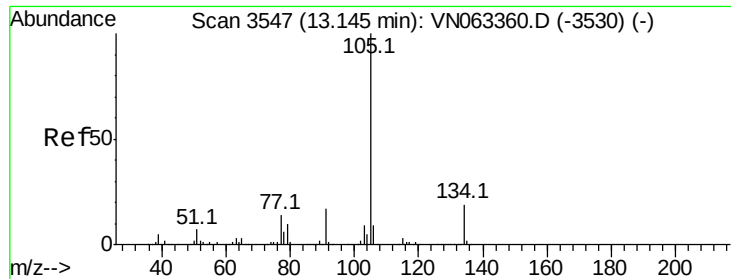
Tot Ion:119 Resp: 221382
Ion Ratio Lower Upper
119 100
91 72.2 36.3 108.9
134 22.0 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 18.962 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063450.D
Acq: 18 Sep 2020 12:09

Tgt Ion:105 Resp: 274382
Ion Ratio Lower Upper
105 100
120 42.5 21.3 63.9

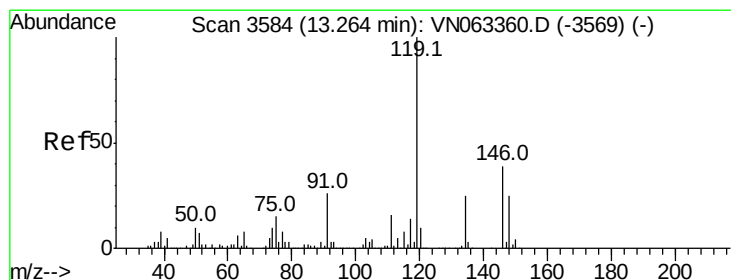
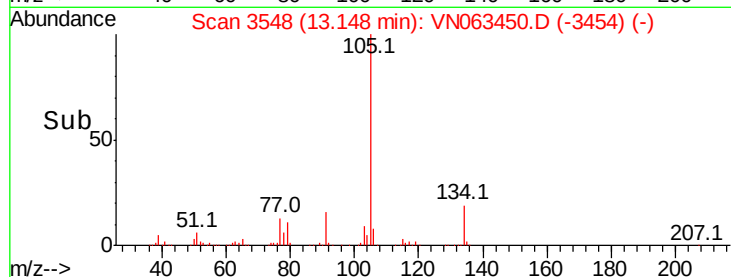
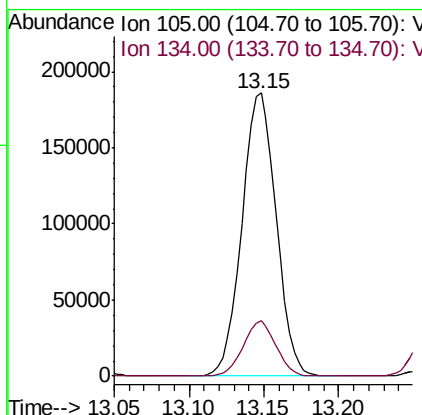
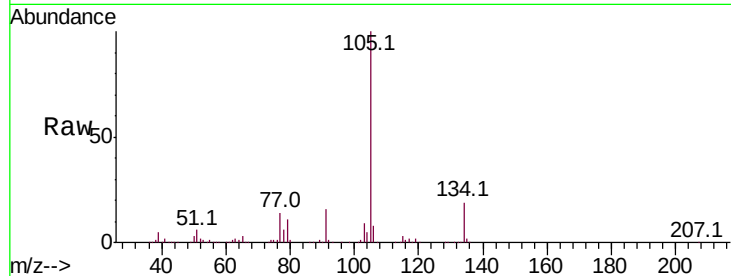




#85
 sec-Butylbenzene
 Concen: 18.656 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

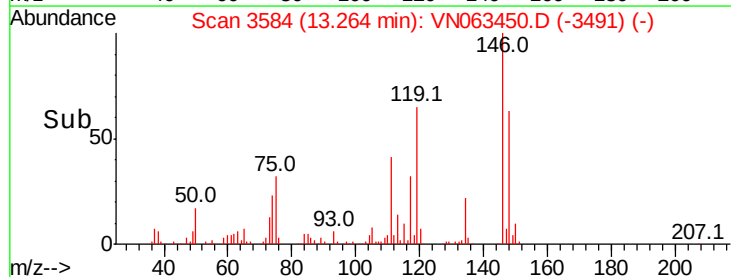
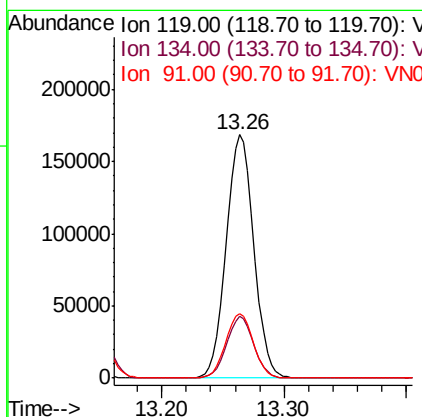
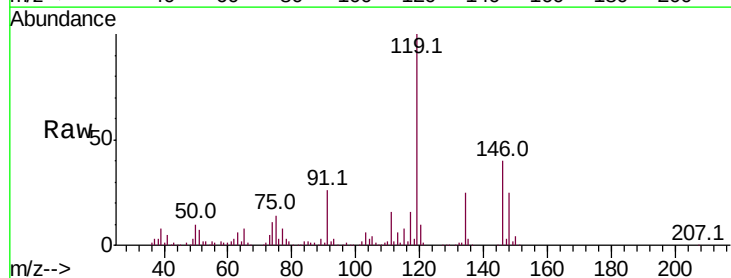
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

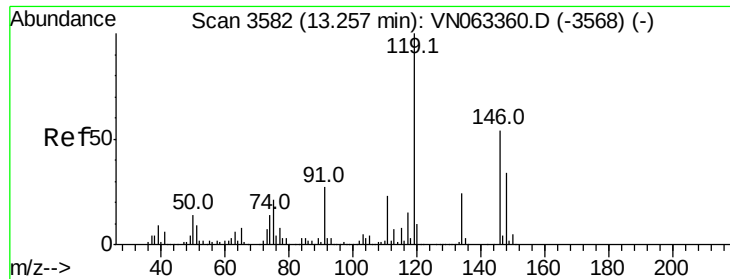
Tot Ion:105 Resp: 295261
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 19.207 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion:119 Resp: 268112
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.5 37.5
 91 26.2 13.4 40.1





#87

1,3-Dichlorobenzene

Concen: 18.669 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

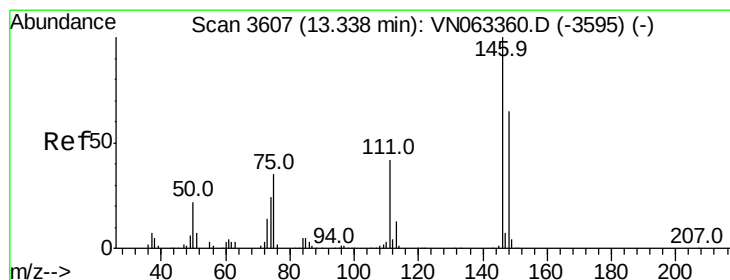
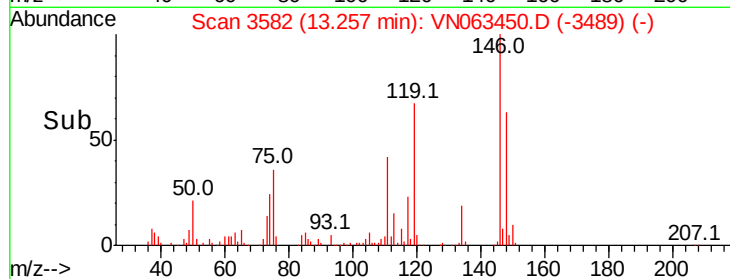
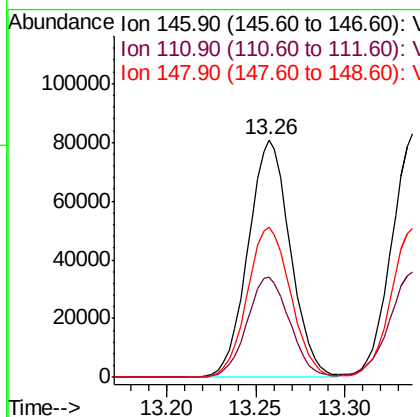
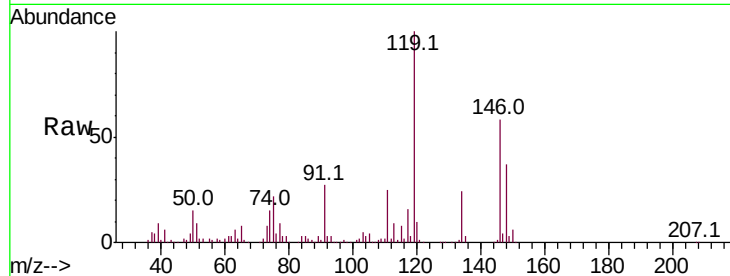
Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

Tot Ion:146 Resp: 133718

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	65.0	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 18.658 ug/l

RT: 13.34 min Scan# 3607

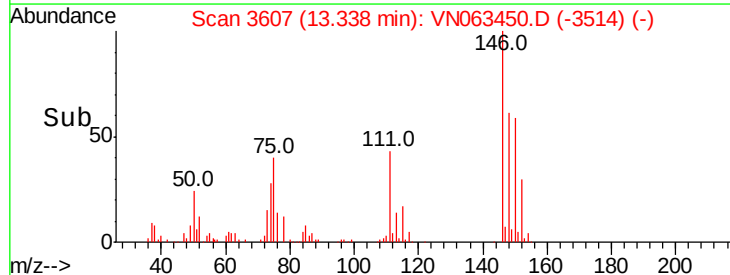
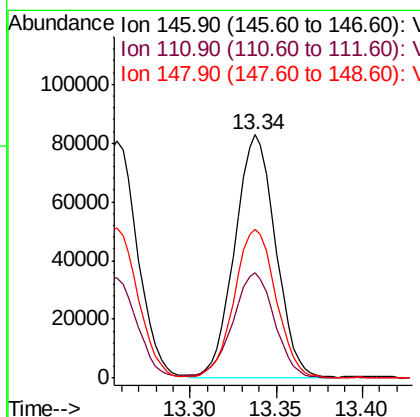
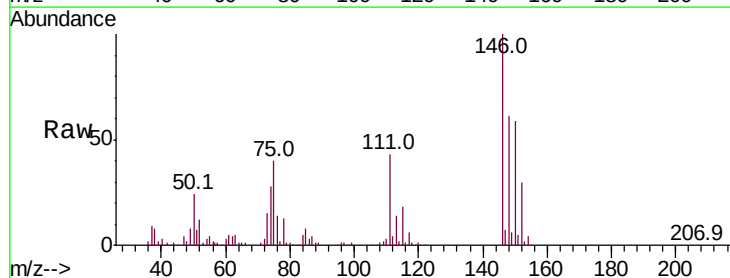
Delta R.T. -0.00 min

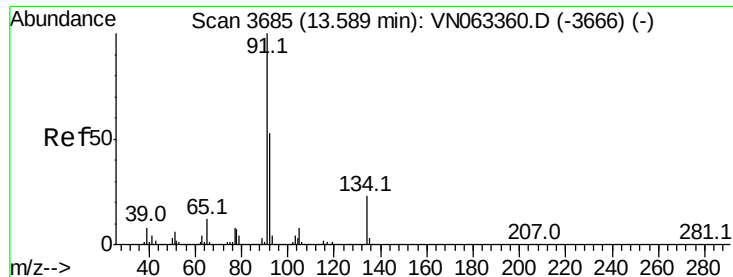
Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Tgt Ion:146 Resp: 135872

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.2	63.6
148	62.6	31.9	95.9





#89

n-Butylbenzene

Concen: 18.958 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

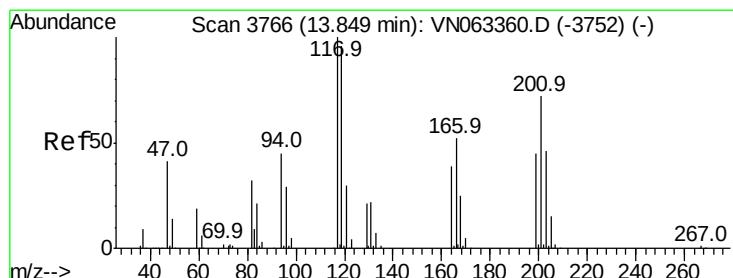
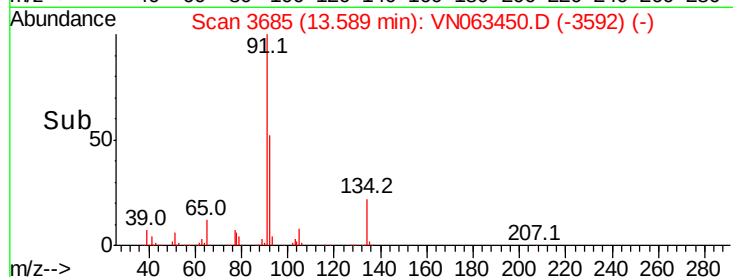
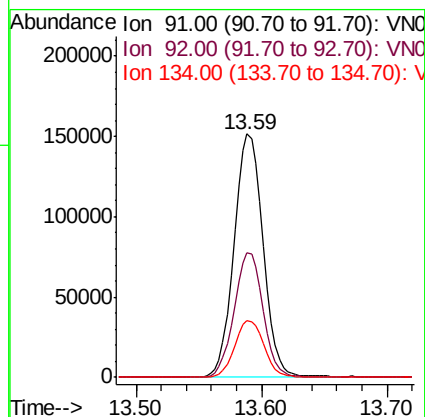
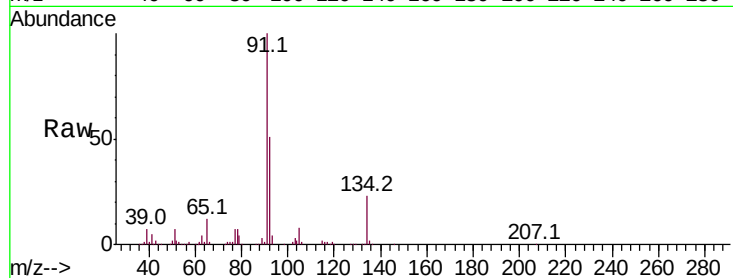
Tot Ion: 91 Resp: 243926

Ion Ratio Lower Upper

91 100

92 50.6 26.0 78.0

134 23.6 11.7 35.0



#90

Hexachloroethane

Concen: 17.534 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN063450.D

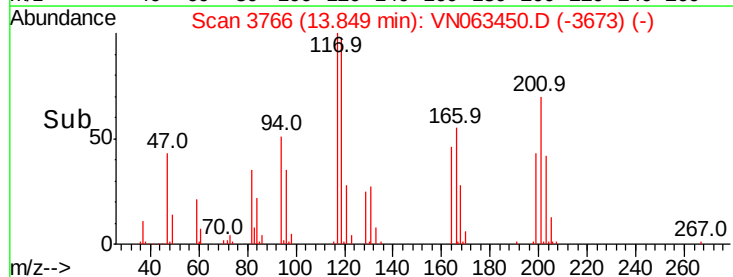
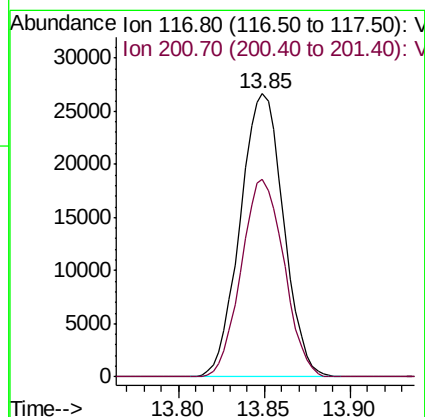
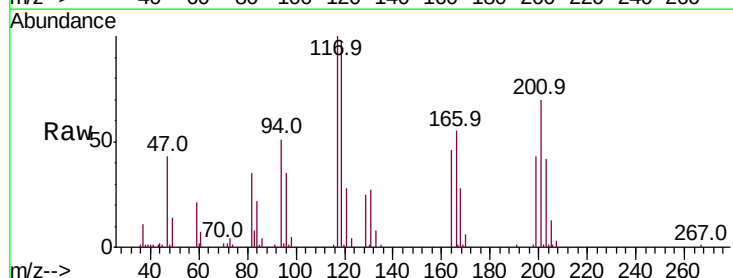
Acq: 18 Sep 2020 12:09

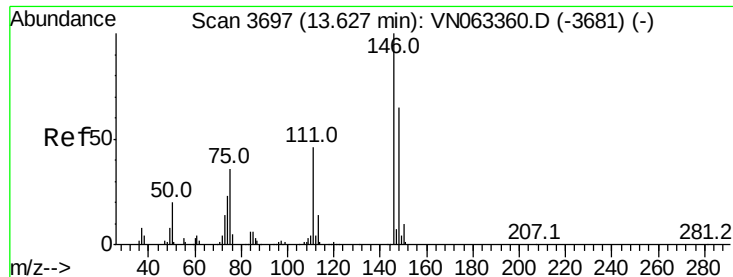
Tgt Ion: 117 Resp: 46607

Ion Ratio Lower Upper

117 100

201 68.8 35.5 106.7

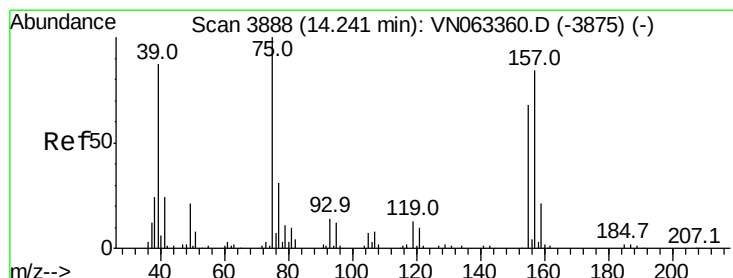
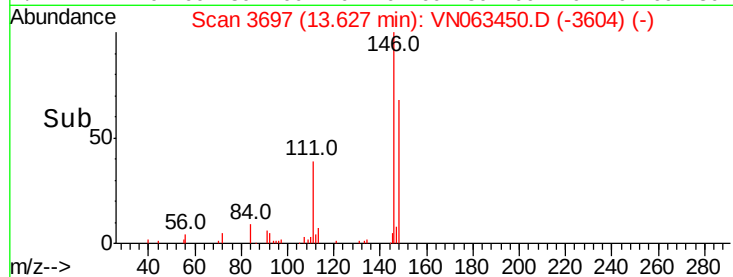
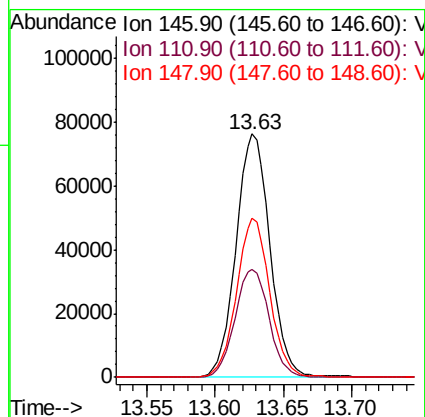
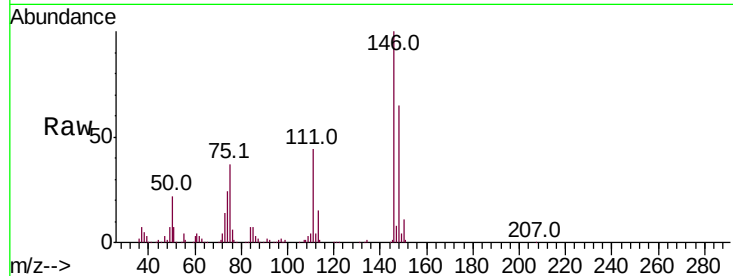




#91
 1,2-Dichlorobenzene
 Concen: 18.752 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

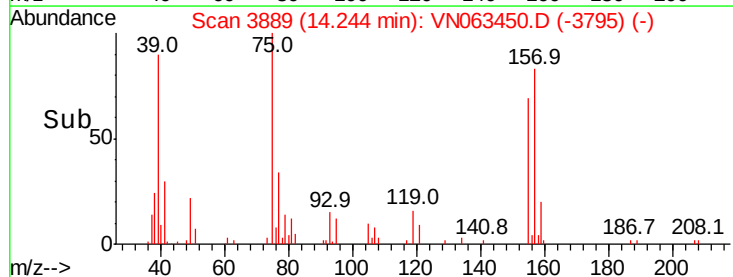
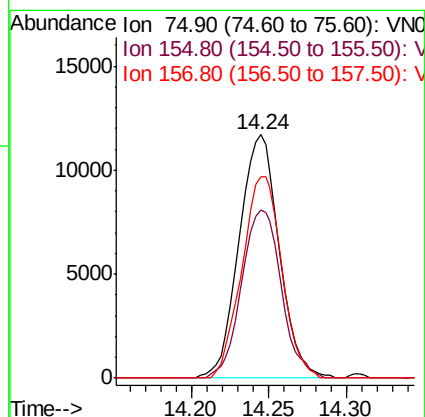
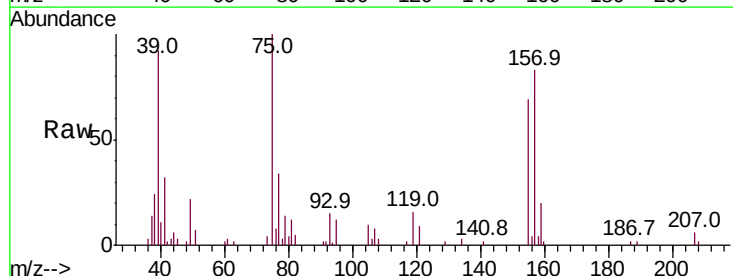
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

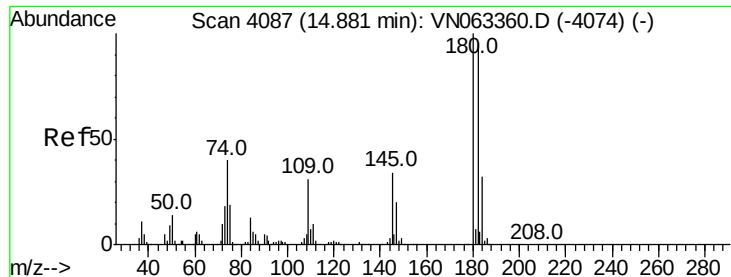
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.4	67.2
148	63.8	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.638 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.6	34.6	103.9
157	82.3	43.7	131.1

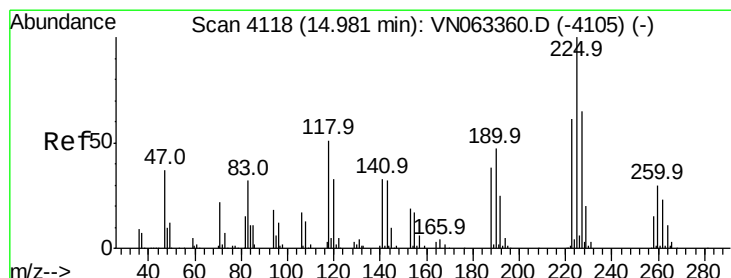
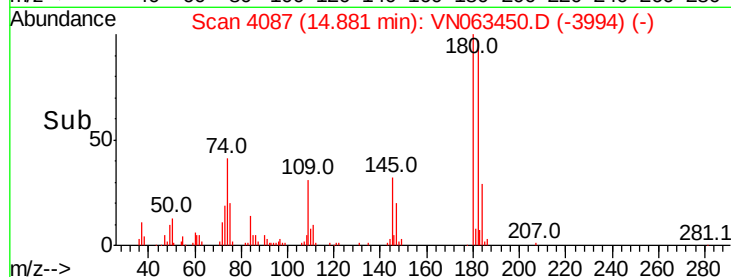
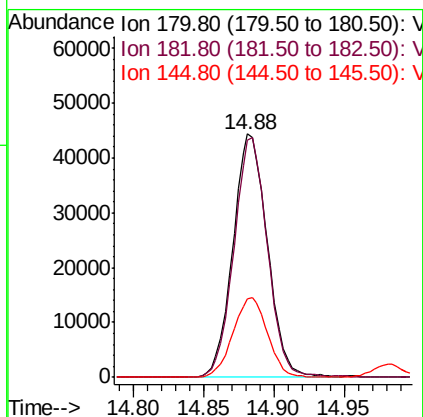
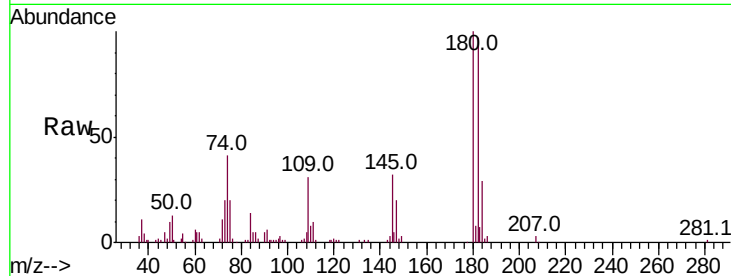




#93
 1,2,4-Trichlorobenzene
 Concen: 18.251 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

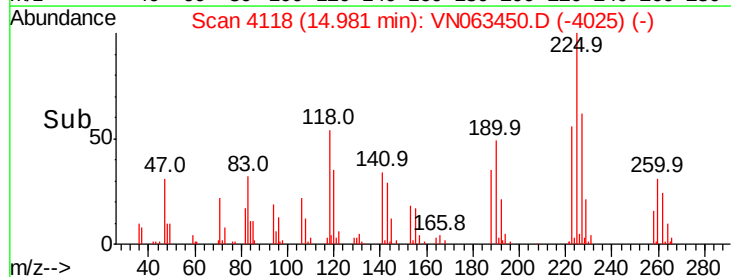
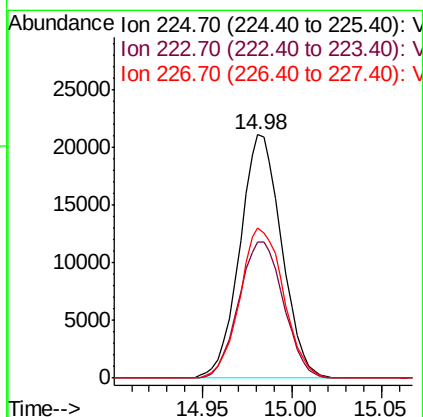
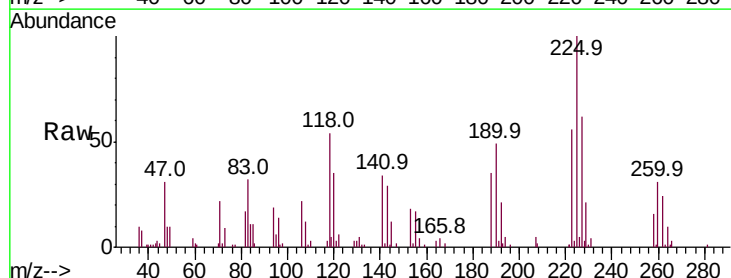
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

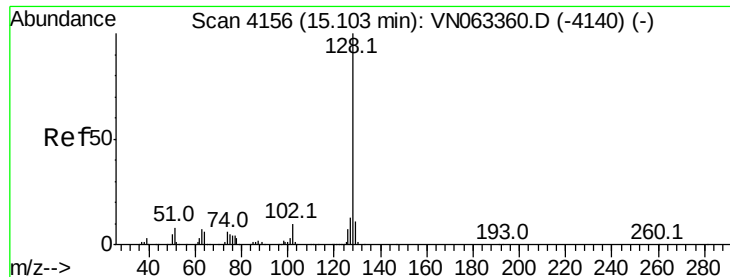
Tot Ion:180 Resp: 75662
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 142.0
 145 33.0 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 20.008 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063450.D
 Acq: 18 Sep 2020 12:09

Tgt Ion:225 Resp: 34339
 Ion Ratio Lower Upper
 225 100
 223 59.5 30.6 91.6
 227 64.3 31.2 93.6





#95

Naphthalene

Concen: 17.432 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

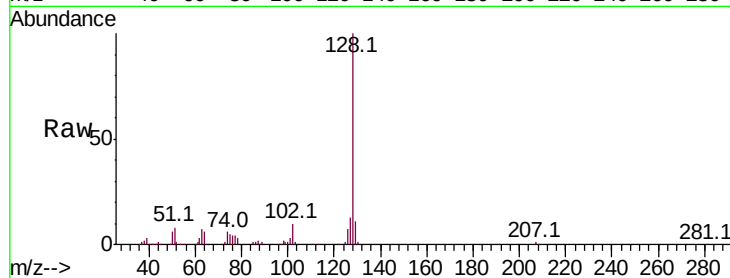
Tot Ion:128 Resp: 238754

Ion Ratio Lower Upper

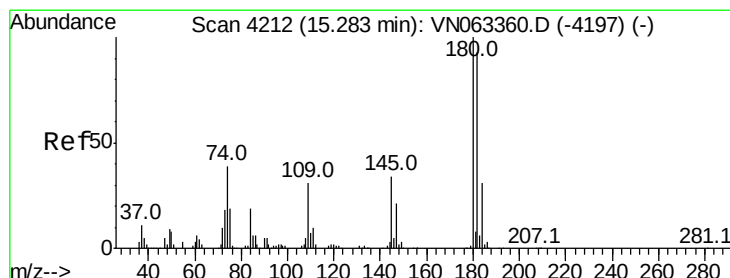
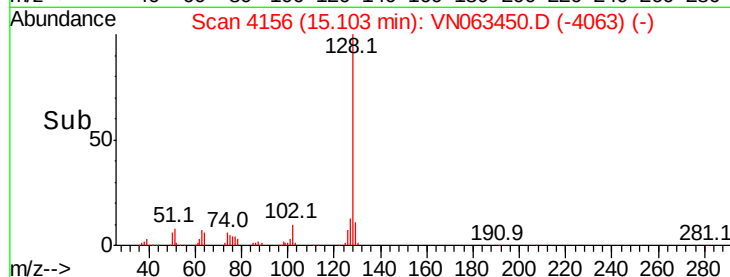
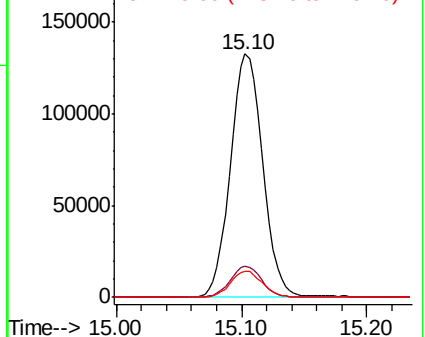
128 100

127 12.6 10.6 15.8

129 10.7 8.8 13.2



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: 17.765 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063450.D

Acq: 18 Sep 2020 12:09

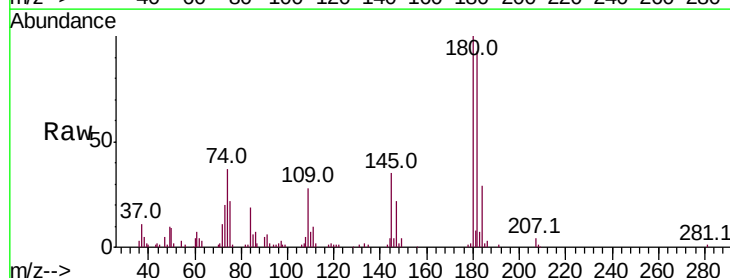
Tgt Ion:180 Resp: 71160

Ion Ratio Lower Upper

180 100

182 91.8 46.7 140.1

145 34.9 16.8 50.3



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

