

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063551.D
 Acq On : 22 Sep 2020 22:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 23 04:04:03 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	7.63	168	259953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	420943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198860	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	198069	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	
35) Dibromofluoromethane	7.55	113	140909	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
50) Toluene-d8	10.06	98	527782	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
62) 4-Bromofluorobenzene	12.38	95	204783	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	132131	44.866	ug/l	97
3) Chloromethane	2.04	50	159535	40.949	ug/l	100
4) Vinyl Chloride	2.16	62	163256	47.297	ug/l	99
5) Bromomethane	2.53	94	97869	47.754	ug/l	100
6) Chloroethane	2.67	64	97798	46.156	ug/l	99
7) Trichlorofluoromethane	2.99	101	253930	49.307	ug/l	99
8) Diethyl Ether	3.38	74	93022	46.335	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	136068	46.981	ug/l	99
10) Methyl Iodide	3.91	142	176120	46.707	ug/l	98
11) Tert butyl alcohol	4.73	59	120327	196.282	ug/l	100
12) 1,1-Dichloroethene	3.70	96	133699	45.576	ug/l	98
13) Acrolein	3.56	56	79016	347.811	ug/l	100
14) Allyl chloride	4.28	41	229076	39.478	ug/l	89
15) Acrylonitrile	4.93	53	360700	231.315	ug/l	100
16) Acetone	3.77	43	319760	224.843	ug/l	97
17) Carbon Disulfide	4.01	76	356799	41.814	ug/l	99
18) Methyl Acetate	4.27	43	173133	47.955	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	490099	44.826	ug/l	99
20) Methylene Chloride	4.51	84	162431	45.080	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	148804	45.784	ug/l	93
22) Diisopropyl ether	5.90	45	542117	45.809	ug/l	98
23) Vinyl Acetate	5.84	43	2232501	229.702	ug/l	99
24) 1,1-Dichloroethane	5.80	63	297252	46.007	ug/l	100
25) 2-Butanone	6.78	43	488401	223.296	ug/l	100
26) 2,2-Dichloropropane	6.78	77	221716	38.976	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	174361	47.397	ug/l	97
28) Bromochloromethane	7.15	49	137756	46.177	ug/l	98
29) Tetrahydrofuran	7.16	42	326373	218.480	ug/l	99
30) Chloroform	7.33	83	311211	48.010	ug/l	99
31) Cyclohexane	7.61	56	246887	40.397	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	270667	46.946	ug/l	99
36) 1,1-Dichloropropene	7.75	75	218237	45.421	ug/l	99
37) Ethyl Acetate	6.88	43	218139	46.258	ug/l	97
38) Carbon Tetrachloride	7.73	117	233836	47.676	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	220335	42.253	ug/l	98
40) Benzene	8.00	78	645479	47.061	ug/l	99
41) Methacrylonitrile	7.16	41	317177	149.547	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	261607	47.429	ug/l	100
43) Isopropyl Acetate	8.13	43	370812	43.976	ug/l #	89
44) Trichloroethene	8.80	130	157963	47.483	ug/l	96
45) 1,2-Dichloropropane	9.08	63	174924	46.826	ug/l	99
46) Dibromomethane	9.17	93	120784	49.194	ug/l	97
47) Bromodichloromethane	9.37	83	250845	49.179	ug/l	98
48) Methyl methacrylate	9.16	41	183171	44.215	ug/l	97
49) 1,4-Dioxane	9.17	88	49078	825.524	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1103003	233.659	ug/l	99
52) Toluene	10.13	92	400936	48.620	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	261029	45.840	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	274668	45.729	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	162231	49.528	ug/l	99
56) Ethyl methacrylate	10.40	69	243564	47.632	ug/l	98
57) 1,3-Dichloropropane	10.68	76	276282	46.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	626900	233.707	ug/l	97
59) 2-Hexanone	10.72	43	800963	234.205	ug/l	100
60) Dibromochloromethane	10.87	129	177210	47.889	ug/l	100
61) 1,2-Dibromoethane	10.98	107	167717	49.285	ug/l	100
64) Tetrachloroethene	10.60	164	143945	50.219	ug/l	98
65) Chlorobenzene	11.41	112	424844	47.546	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	160456	48.988	ug/l	99
67) Ethyl Benzene	11.49	91	800094	47.548	ug/l	100
68) m/p-Xylenes	11.60	106	579717	95.552	ug/l	99
69) o-Xylene	11.92	106	279096	48.291	ug/l	100
70) Styrene	11.94	104	483078	49.843	ug/l	98
71) Bromoform	12.10	173	116342	47.679	ug/l #	97
73) Isopropylbenzene	12.22	105	757566	47.540	ug/l	100
74) N-amyl acetate	12.05	43	332825	44.121	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	228722	46.355	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	312441	63.478	ug/l #	100
77) Bromobenzene	12.50	156	178555	49.812	ug/l	95
78) n-propylbenzene	12.57	91	885060	47.685	ug/l	100
79) 2-Chlorotoluene	12.65	91	532936	47.900	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	648229	48.782	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	75631	42.127	ug/l	96
82) 4-Chlorotoluene	12.75	91	562697	47.867	ug/l	99
83) tert-Butylbenzene	12.97	119	515267	46.982	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	647816	48.265	ug/l	99
85) sec-Butylbenzene	13.15	105	684214	46.607	ug/l	100
86) p-Isopropyltoluene	13.26	119	614316	47.444	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	321225	48.349	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	321296	47.565	ug/l	99
89) n-Butylbenzene	13.59	91	549938	46.077	ug/l	98
90) Hexachloroethane	13.85	117	111427	45.193	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	316757	48.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	51256	43.624	ug/l	98

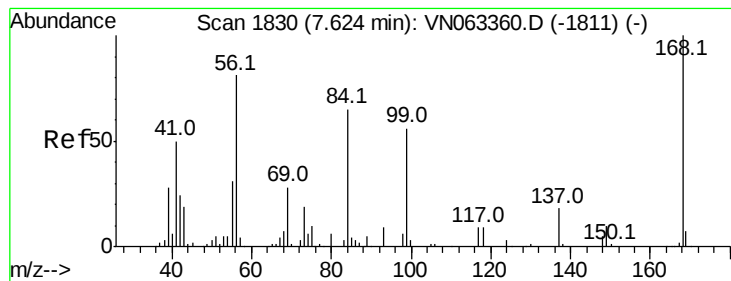
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	176408	45.874	ug/l	99
94) Hexachlorobutadiene	14.98	225	79832	50.146	ug/l	99
95) Naphthalene	15.10	128	569300	44.810	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	168819	45.436	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

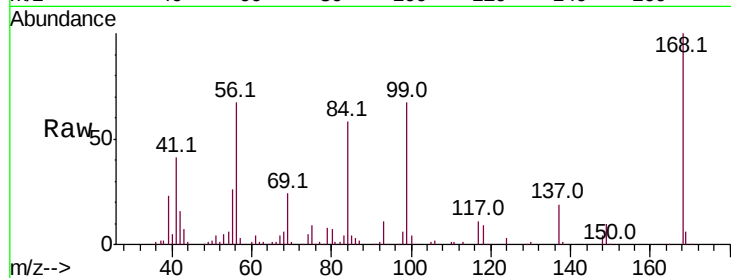
VSTDCCC050EC

Tot Ion:168 Resp: 259953

Ion Ratio Lower Upper

168 100

99 66.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

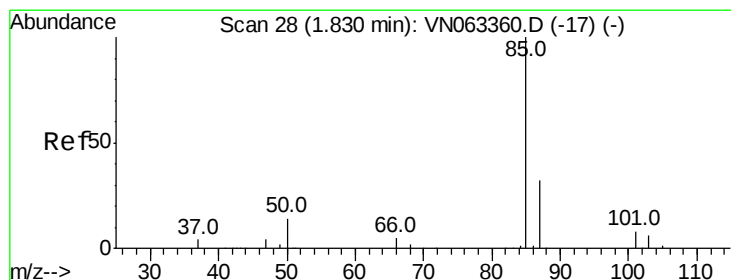
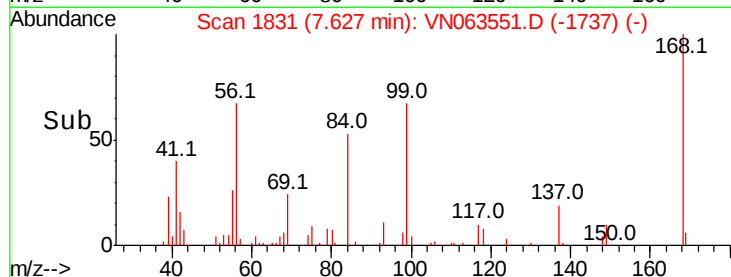
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 44.866 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063551.D

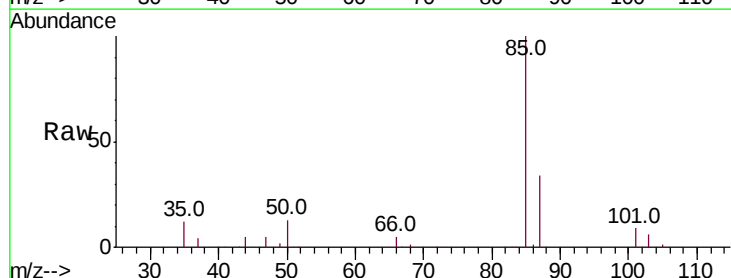
Acq: 22 Sep 2020 22:30

Tgt Ion: 85 Resp: 132131

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

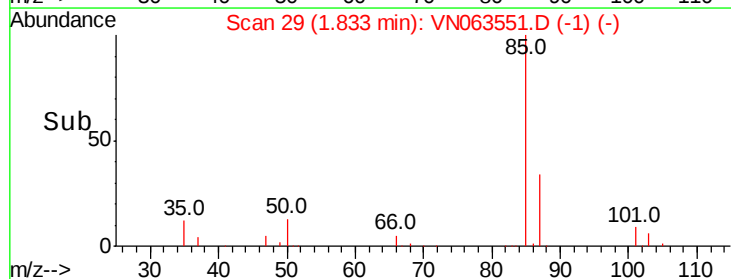
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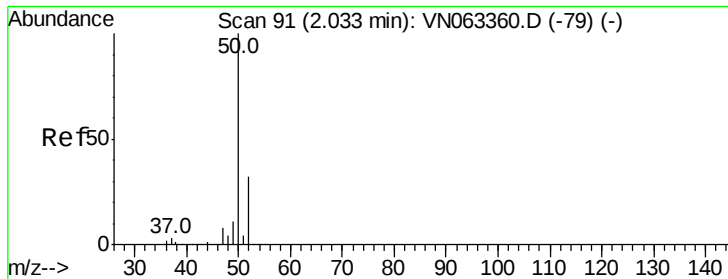
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 40.949 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

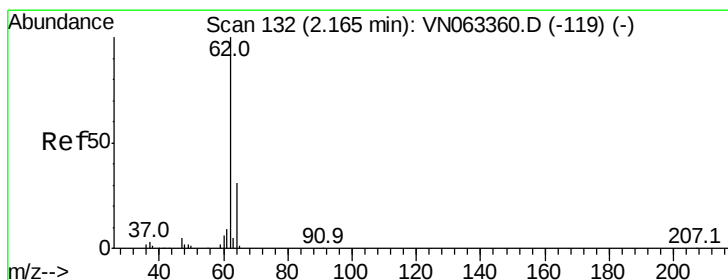
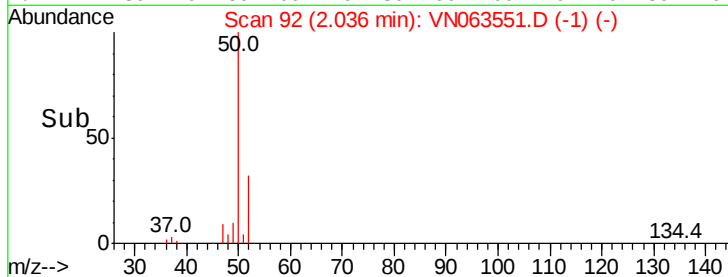
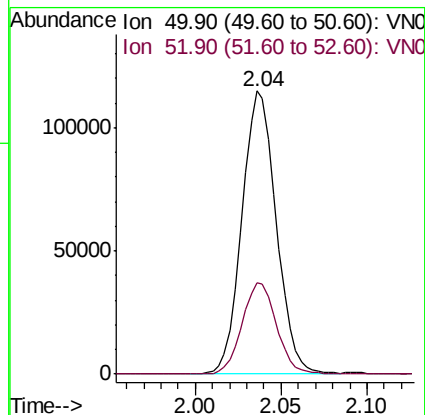
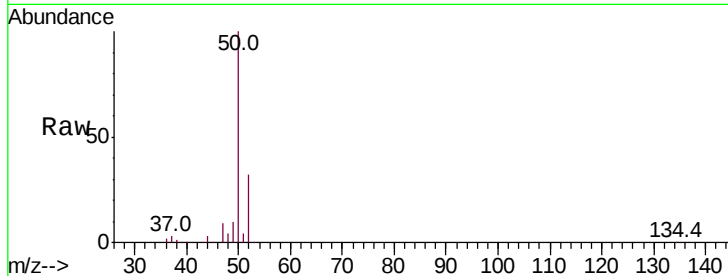
VSTDCCC050EC

Tot Ion: 50 Resp: 159535

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



#4

Vinyl Chloride

Concen: 47.297 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063551.D

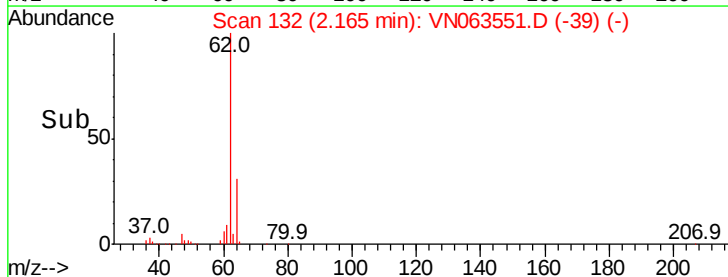
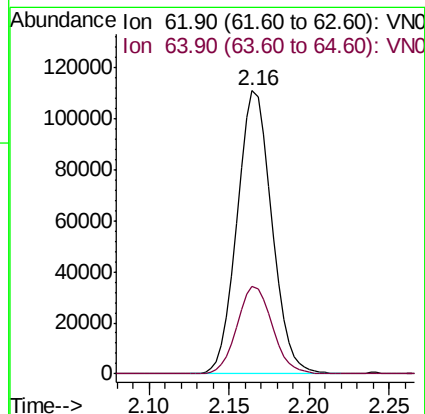
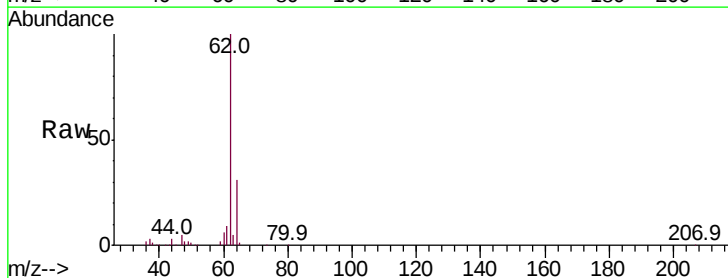
Acq: 22 Sep 2020 22:30

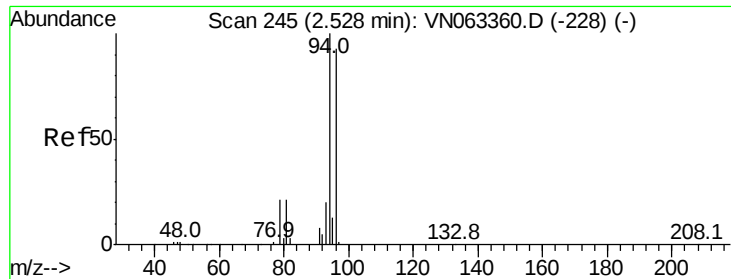
Tgt Ion: 62 Resp: 163256

Ion Ratio Lower Upper

62 100

64 30.9 25.1 37.7





#5

Bromomethane

Concen: 47.754 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

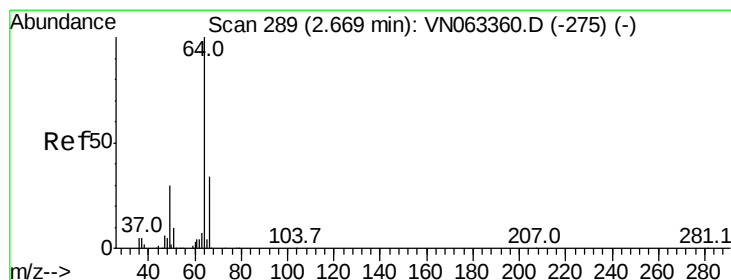
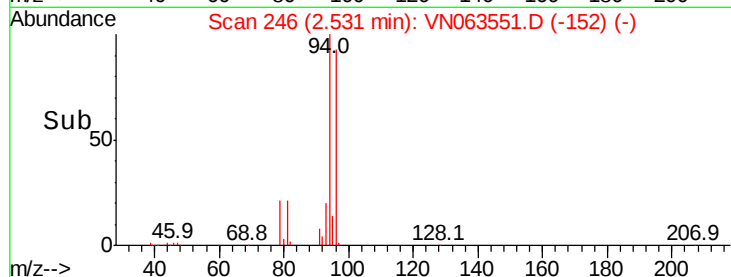
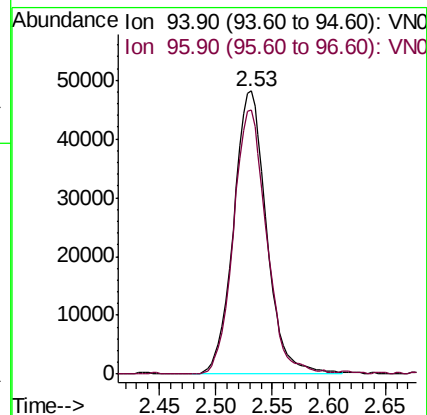
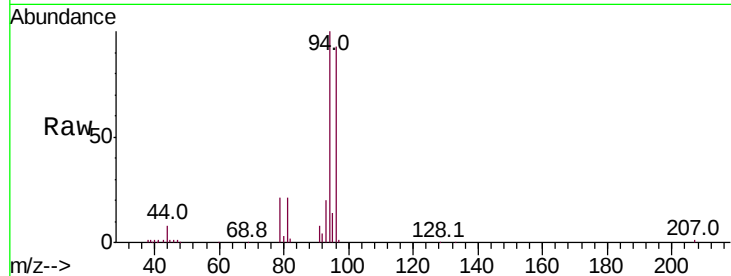
VSTDCCC050EC

Tot Ion: 94 Resp: 97869

Ion Ratio Lower Upper

94 100

96 93.1 74.5 111.7



#6

Chloroethane

Concen: 46.156 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063551.D

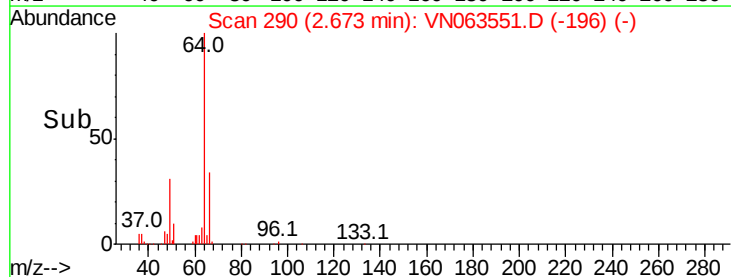
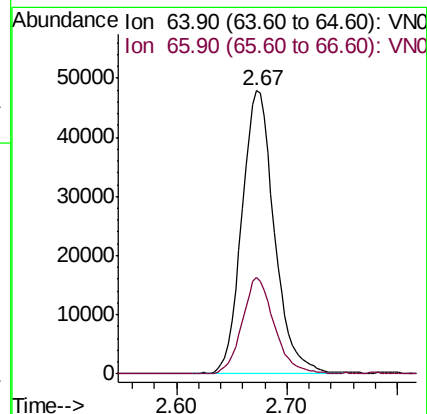
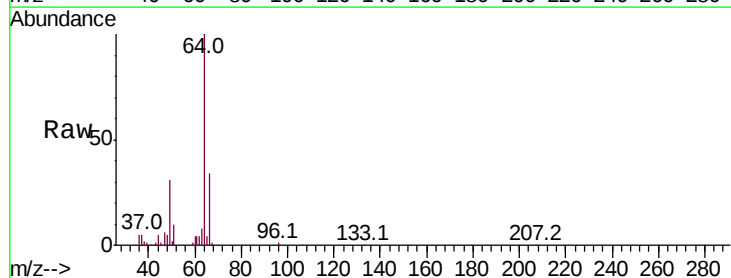
Acq: 22 Sep 2020 22:30

Tgt Ion: 64 Resp: 97798

Ion Ratio Lower Upper

64 100

66 34.2 26.9 40.3





#7

Trichlorofluoromethane

Concen: 49.307 ug/l

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

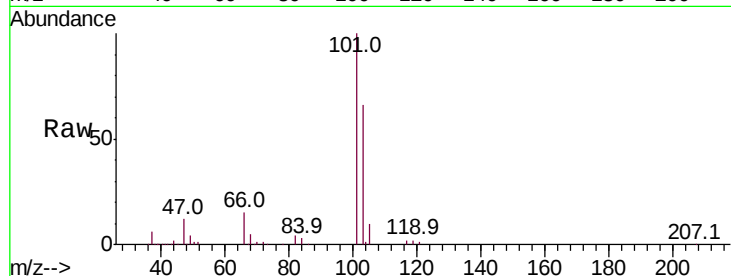
VSTDCCC050EC

Tot Ion:101 Resp: 253930

Ion Ratio Lower Upper

101 100

103 65.8 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.99

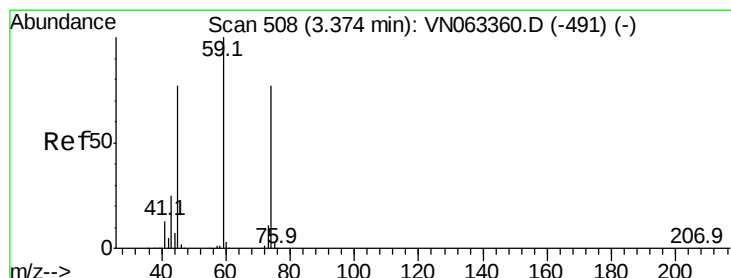
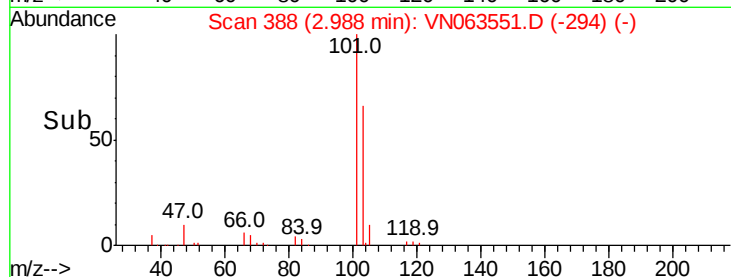
100000

50000

0

Time-->

2.90 3.00 3.10



#8

Diethyl Ether

Concen: 46.335 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063551.D

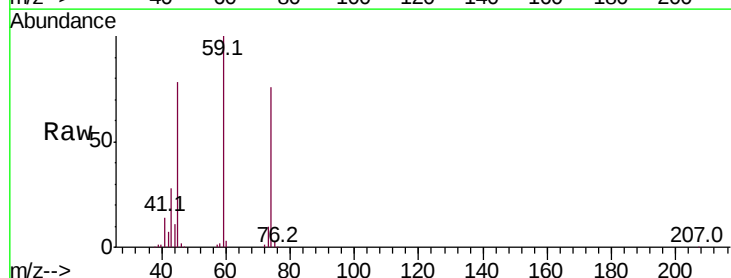
Acq: 22 Sep 2020 22:30

Tgt Ion: 74 Resp: 93022

Ion Ratio Lower Upper

74 100

45 103.1 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

50000

40000

30000

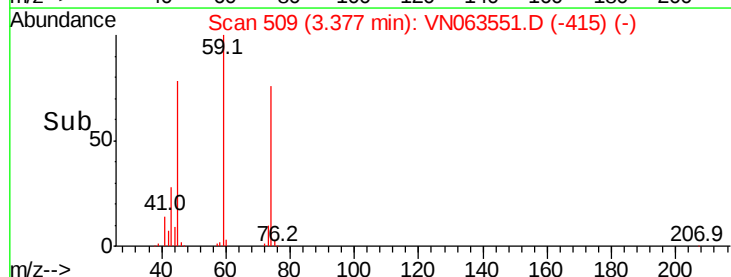
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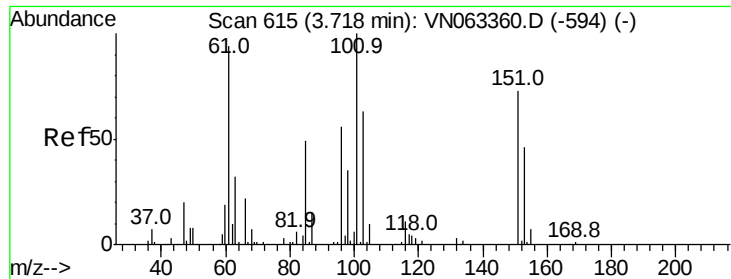
10000

0

Time-->

3.30 3.35 3.40 3.45





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.981 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063551.D

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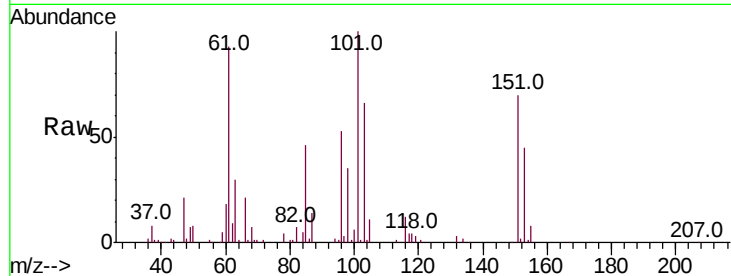
Tot Ion:101 Resp: 136068

Ion Ratio Lower Upper

101 100

85 48.1 37.7 56.5

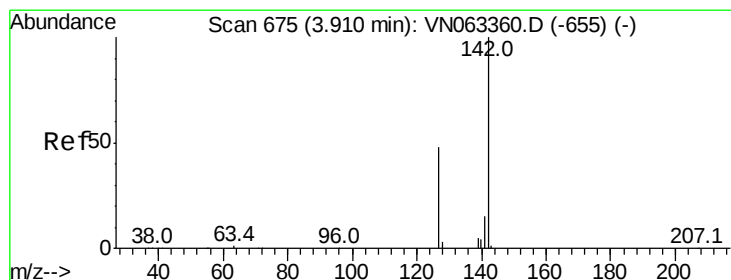
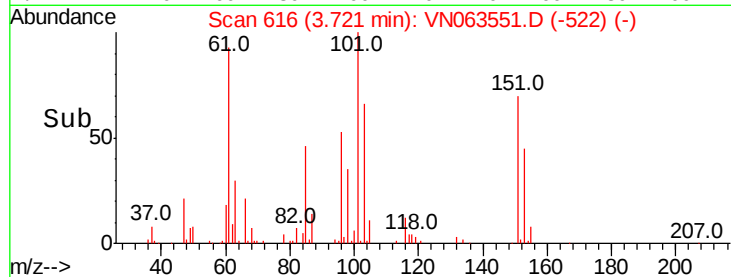
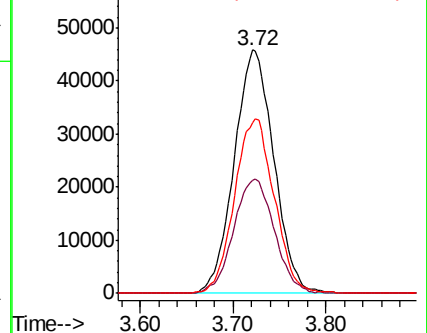
151 71.9 57.7 86.5



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: 46.707 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

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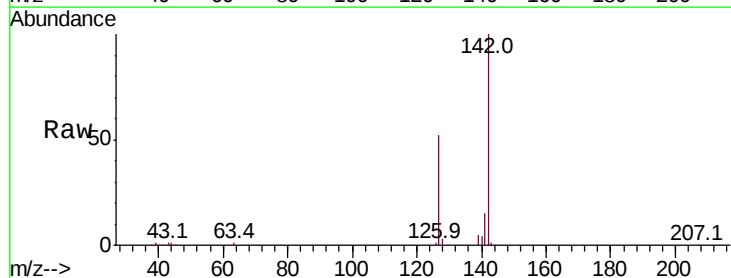
Tgt Ion:142 Resp: 176120

Ion Ratio Lower Upper

142 100

127 50.2 39.0 58.6

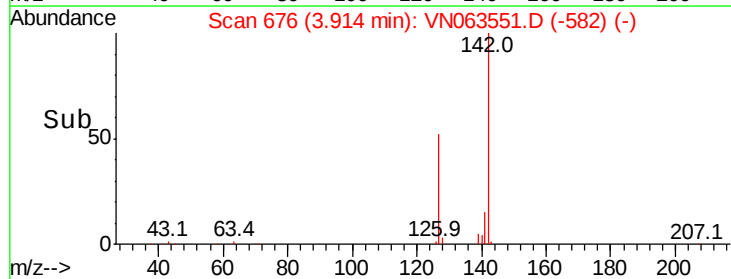
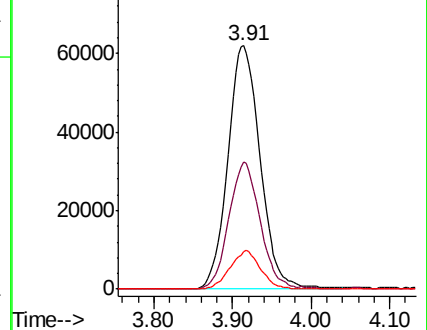
141 14.8 11.6 17.4

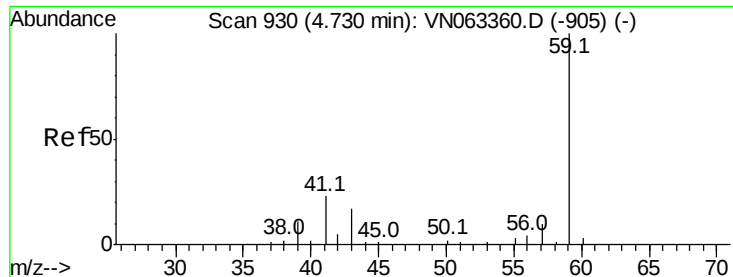


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

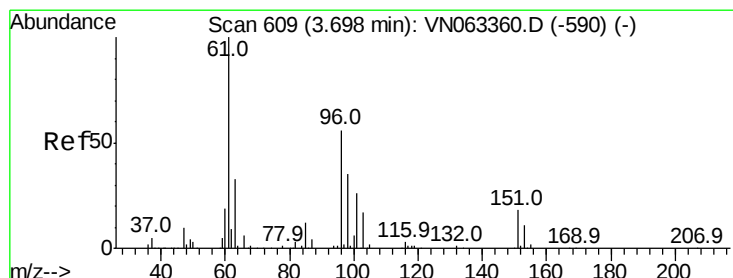
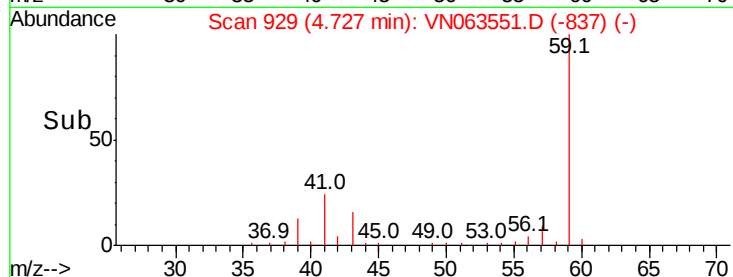
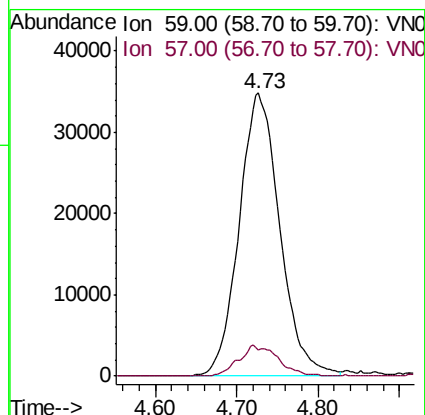
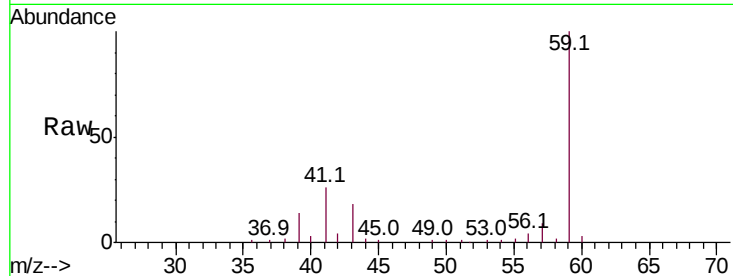




#11
Tert butyl alcohol
Concen: 196.282 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

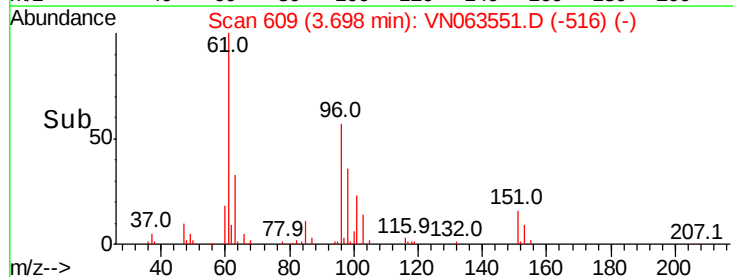
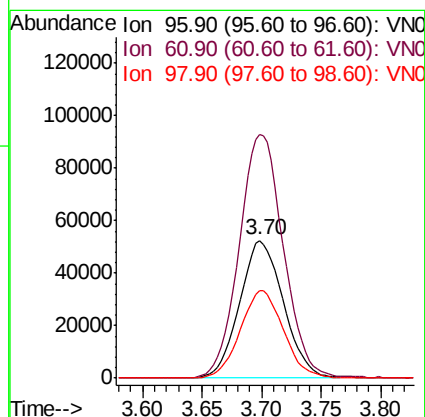
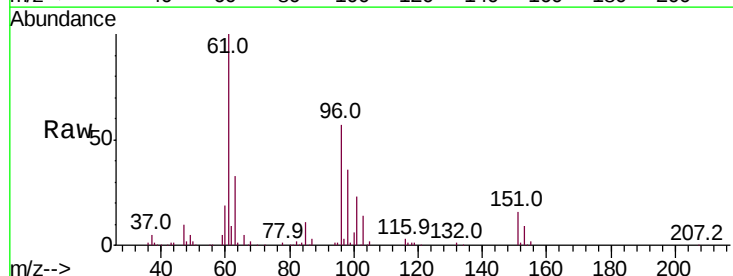
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

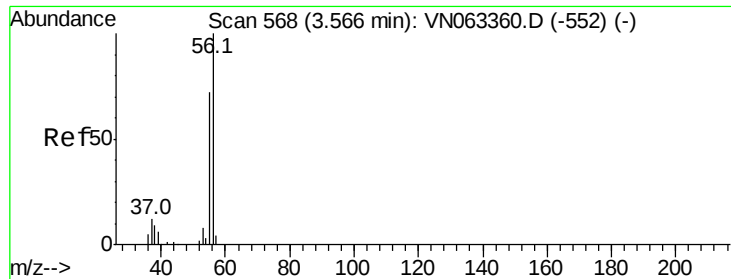
Tot Ion: 59 Resp: 120327
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6



#12
1,1-Dichloroethene
Concen: 45.576 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 96 Resp: 133699
Ion Ratio Lower Upper
96 100
61 176.5 143.4 215.2
98 63.1 50.6 76.0





#13

Acrolein

Concen: 347.811 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

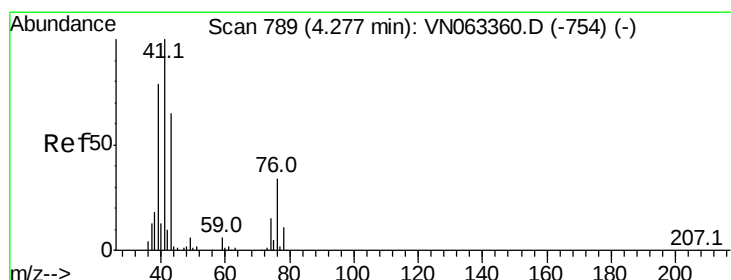
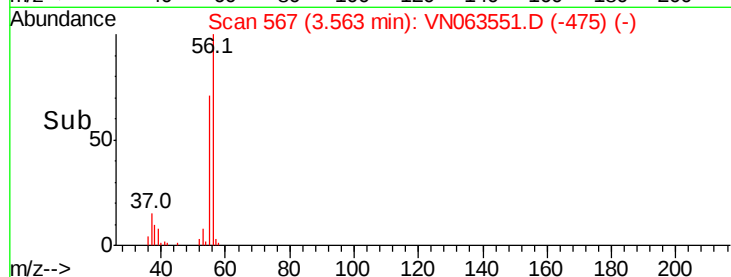
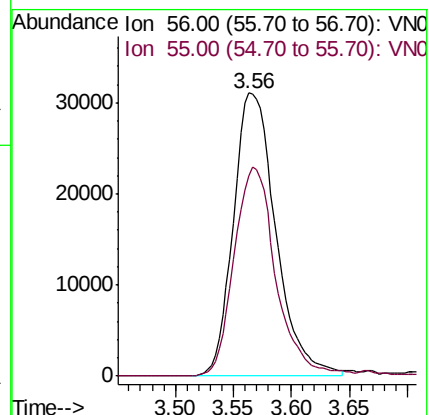
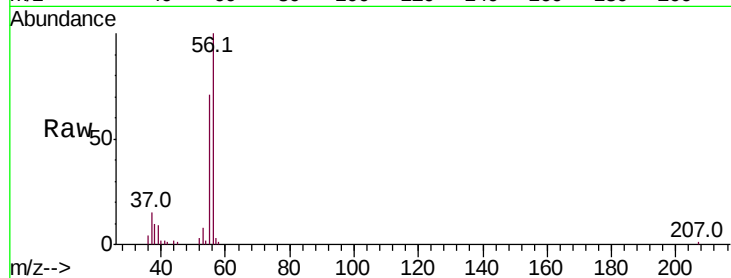
VSTDCCC050EC

Tot Ion: 56 Resp: 79016

Ion Ratio Lower Upper

56 100

55 72.7 58.2 87.2



#14

Allyl chloride

Concen: 39.478 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

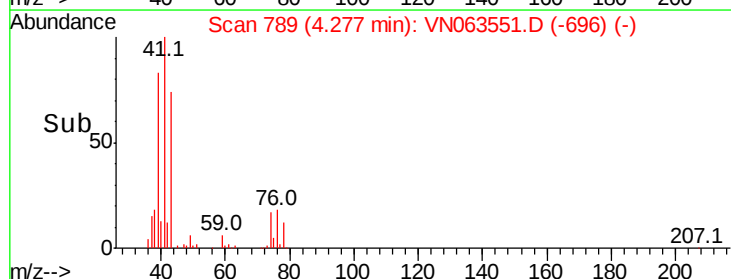
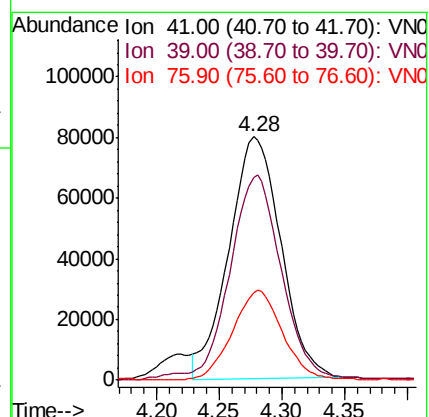
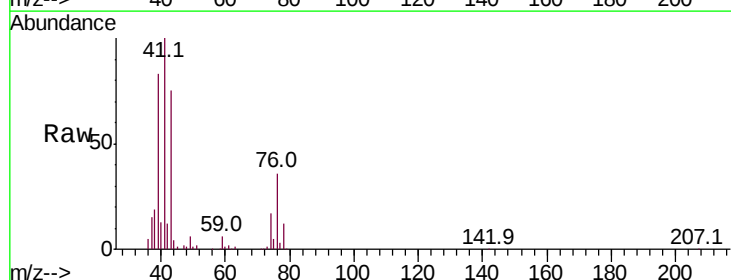
Tgt Ion: 41 Resp: 229076

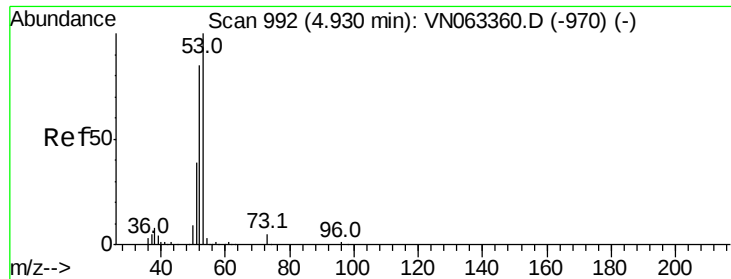
Ion Ratio Lower Upper

41 100

39 85.5 59.3 88.9

76 35.4 25.3 37.9





#15

Acrylonitrile

Concen: 231.315 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

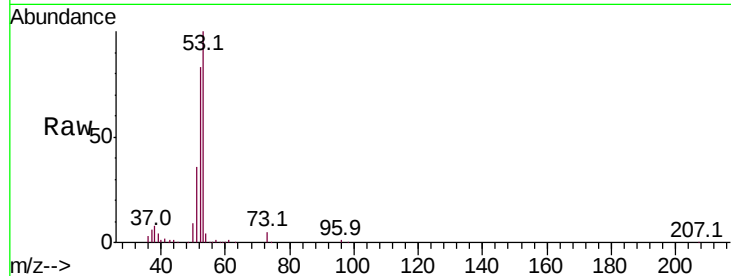
Tot Ion: 53 Resp: 360700

Ion Ratio Lower Upper

53 100

52 82.9 66.4 99.6

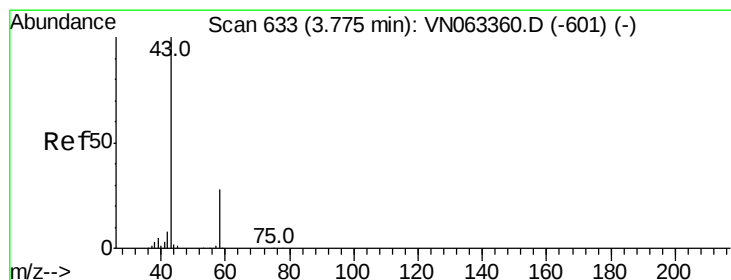
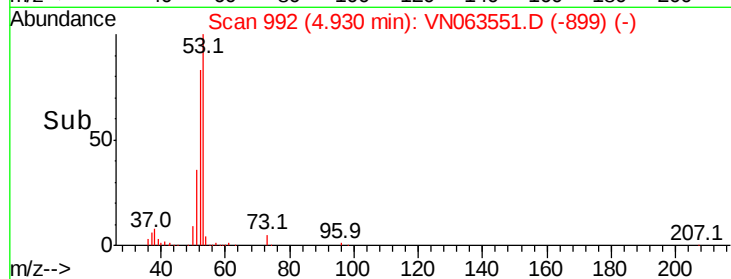
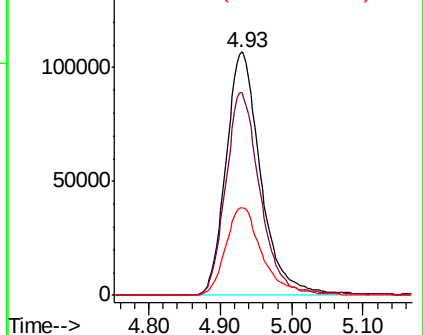
51 38.4 30.2 45.4



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: 224.843 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063551.D

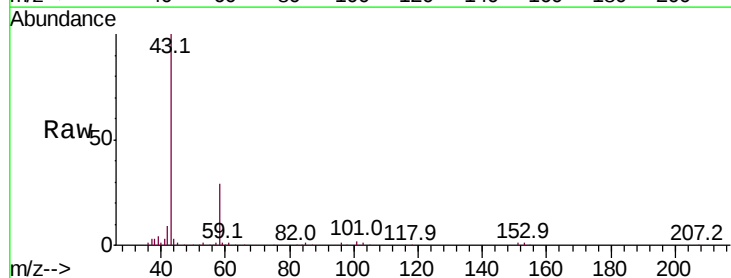
Acq: 22 Sep 2020 22:30

Tgt Ion: 43 Resp: 319760

Ion Ratio Lower Upper

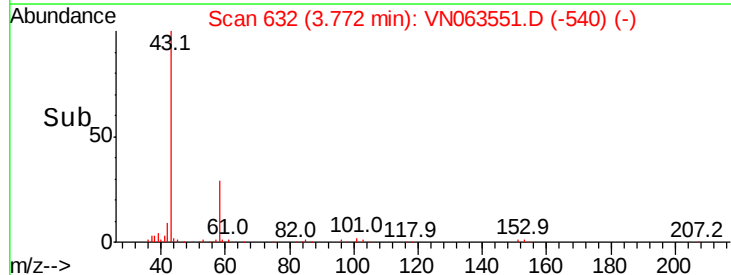
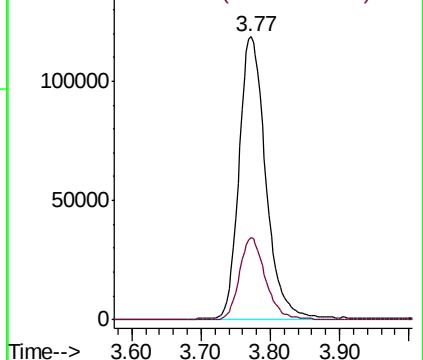
43 100

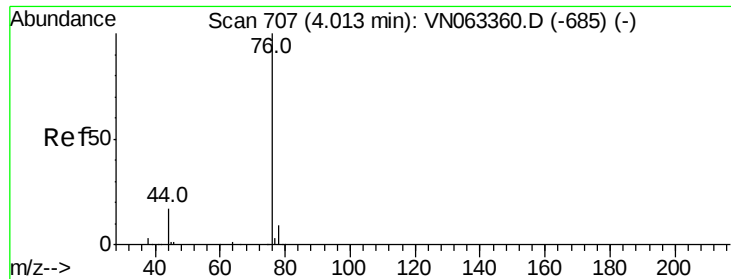
58 29.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

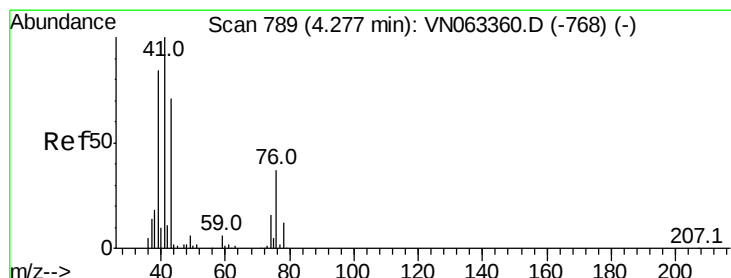
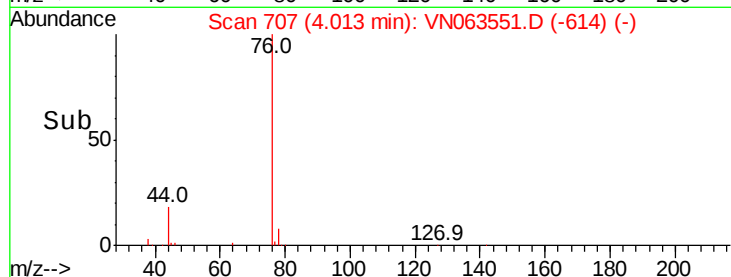
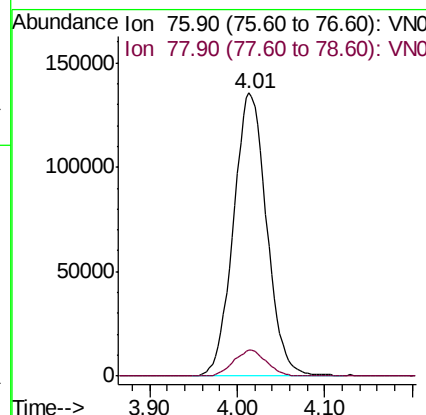
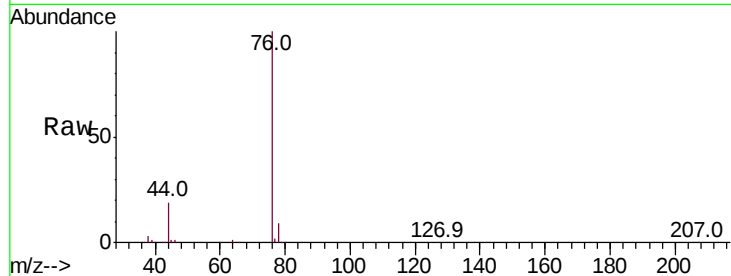




#17
Carbon Disulfide
Concen: 41.814 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

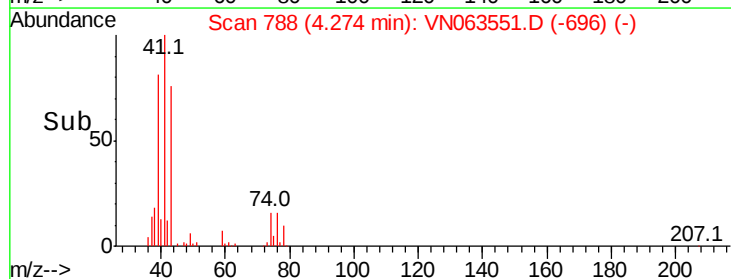
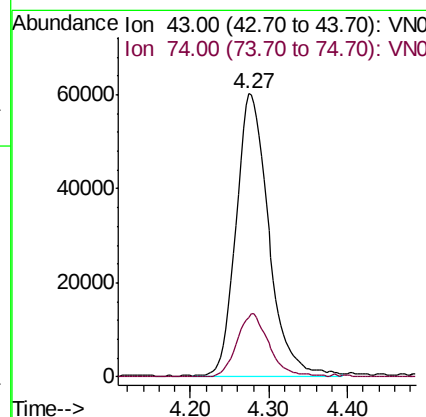
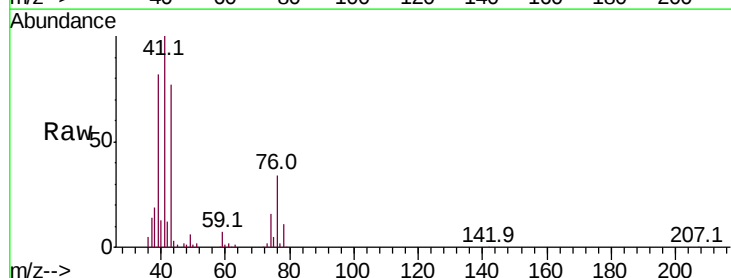
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

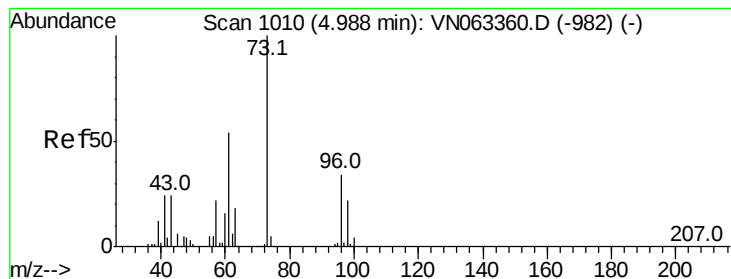
Tot Ion: 76 Resp: 356799
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 47.955 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 43 Resp: 173133
Ion Ratio Lower Upper
43 100
74 22.3 17.4 26.2



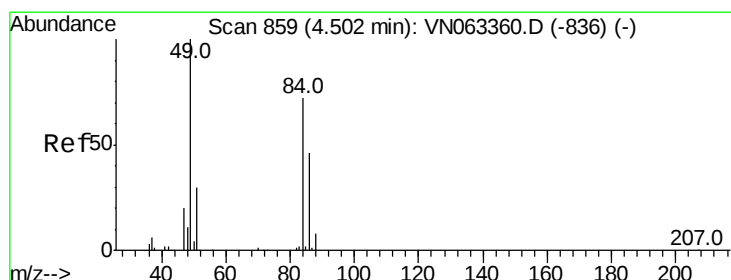
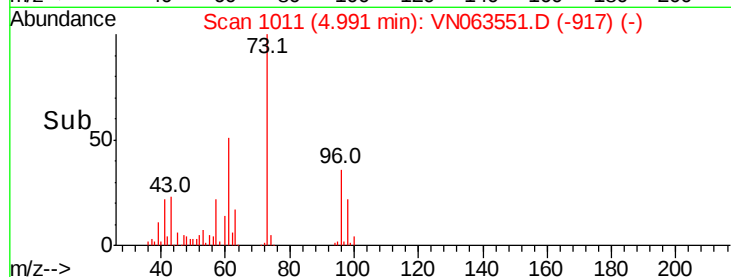
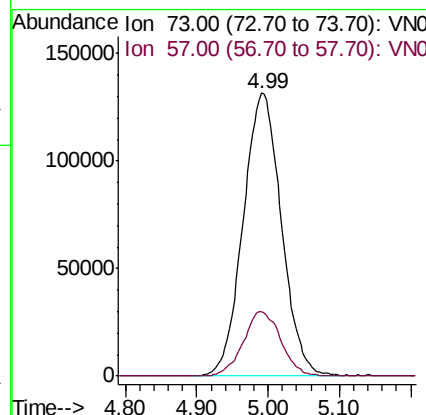
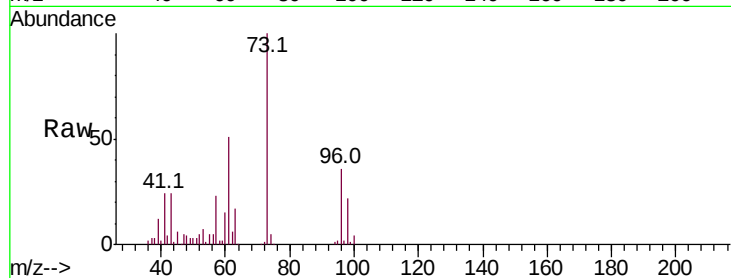


#19

Methyl tert-butyl Ether
 Concen: 44.826 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

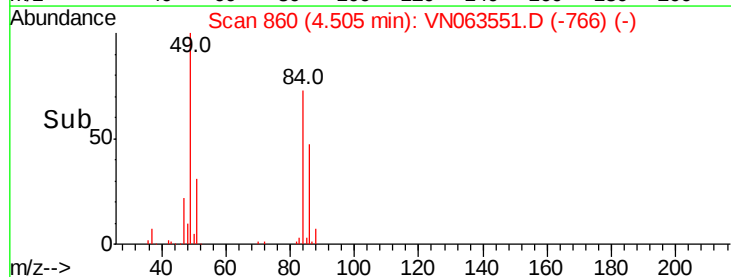
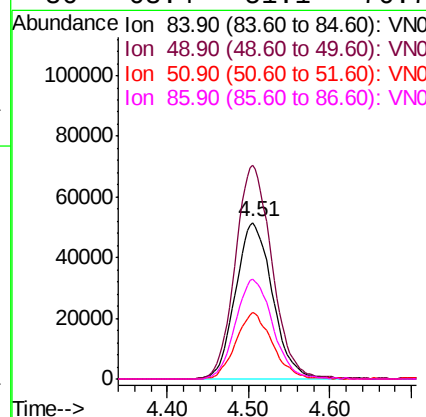
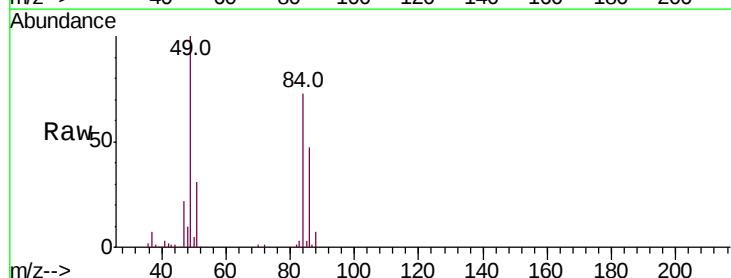
Tot Ion: 73 Resp: 490099
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.9 26.9

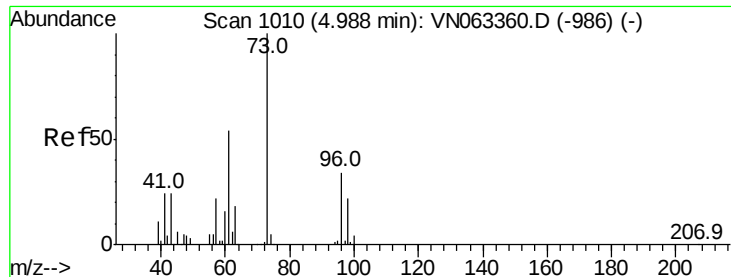


#20

Methylene Chloride
 Concen: 45.080 ug/l
 RT: 4.51 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion: 84 Resp: 162431
 Ion Ratio Lower Upper
 84 100
 49 136.4 110.7 166.1
 51 42.3 32.9 49.3
 86 63.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.784 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

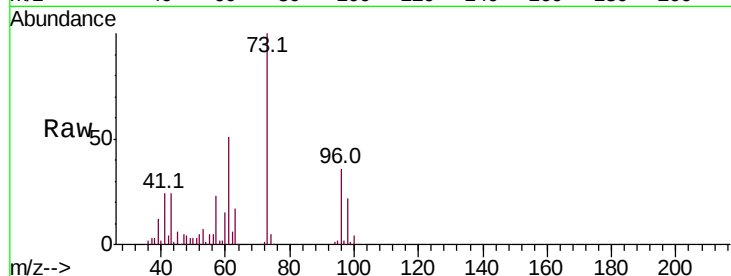
Tot Ion: 96 Resp: 148804

Ion Ratio Lower Upper

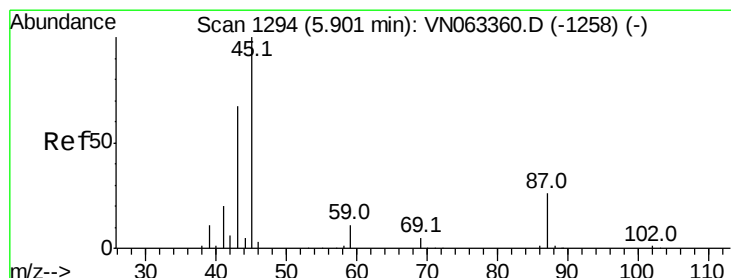
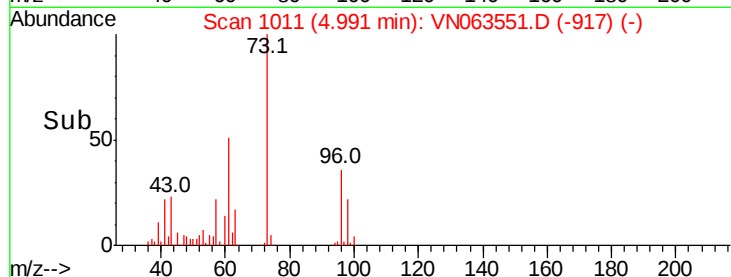
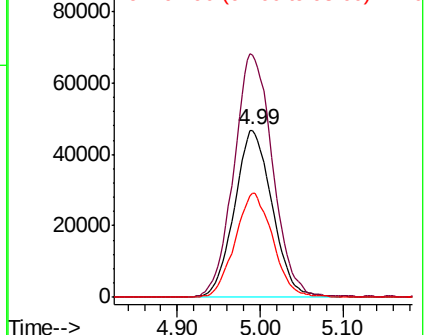
96 100

61 144.9 126.2 189.4

98 62.7 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 45.809 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion: 45 Resp: 542117

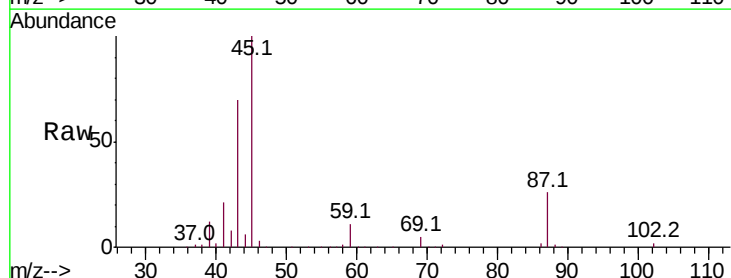
Ion Ratio Lower Upper

45 100

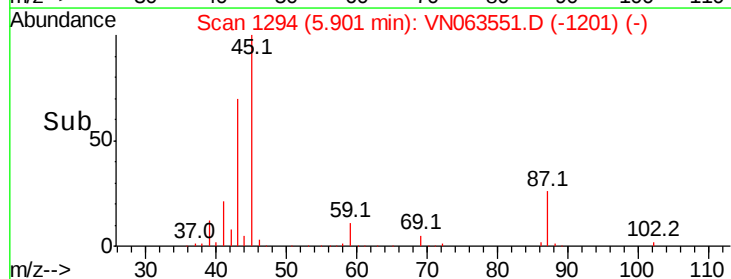
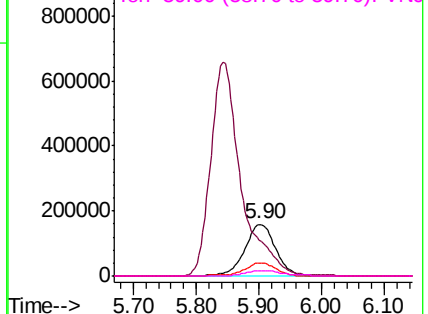
43 68.8 53.5 80.3

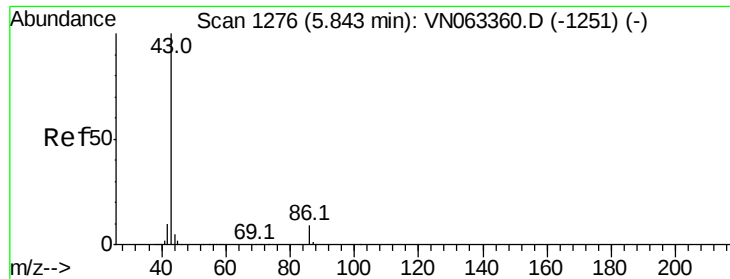
87 25.7 21.2 31.8

59 10.9 8.8 13.2



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





#23

Vinyl Acetate

Concen: 229.702 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

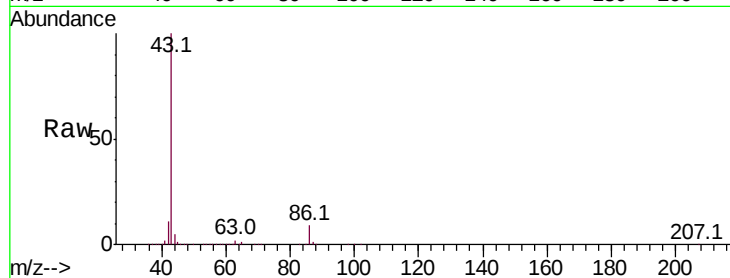
VSTDCCC050EC

Tot Ion: 43 Resp: 2232501

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

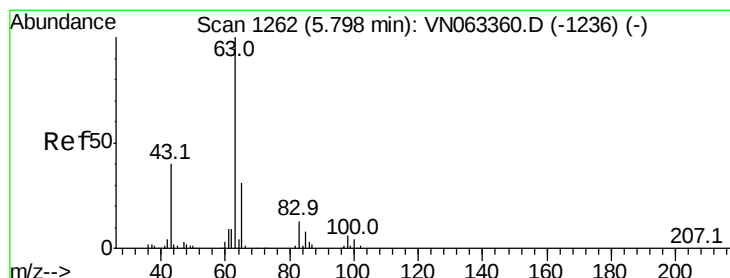
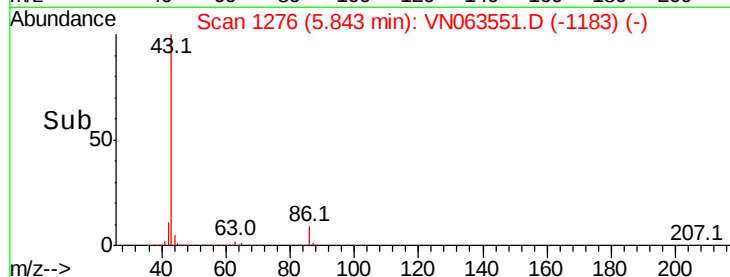
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.007 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

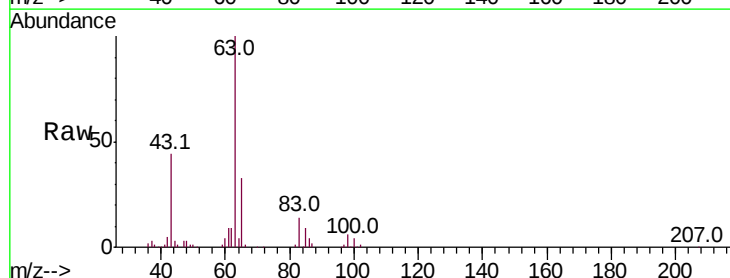
Tgt Ion: 63 Resp: 297252

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 4.1 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

120000

100000

80000

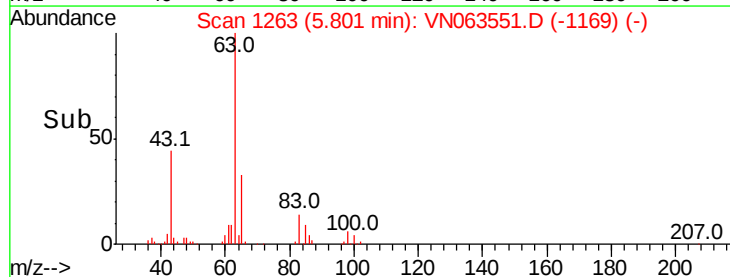
60000

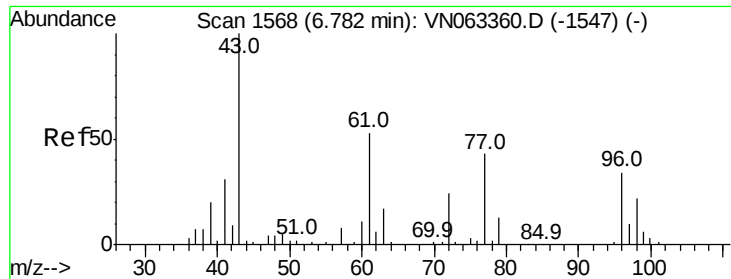
40000

20000

0

Time-->

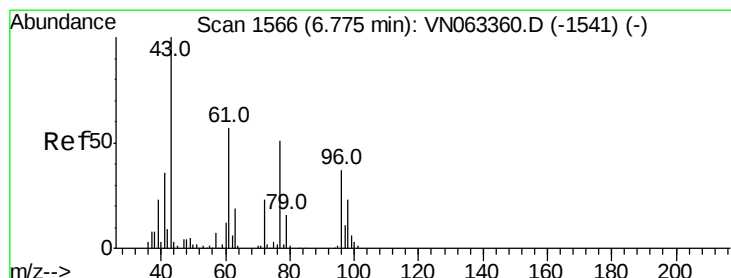
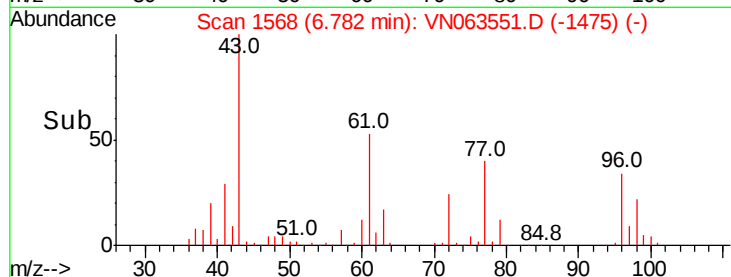
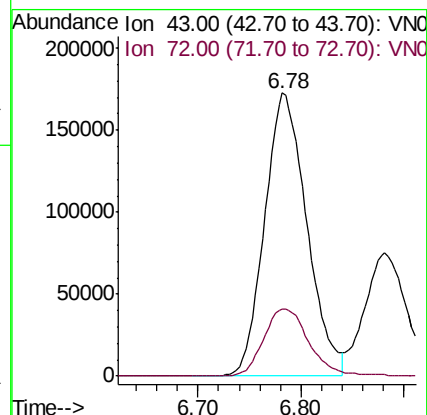
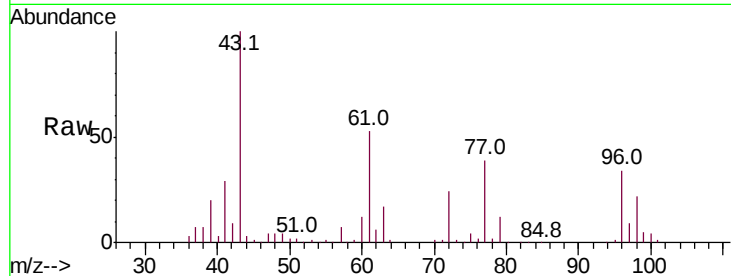




#25
2-Butanone
Concen: 223.296 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

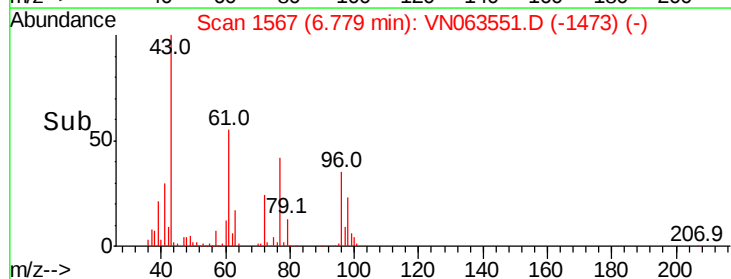
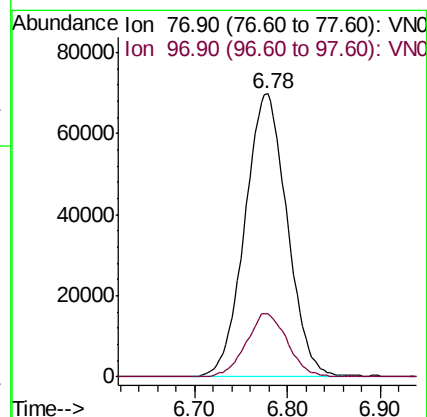
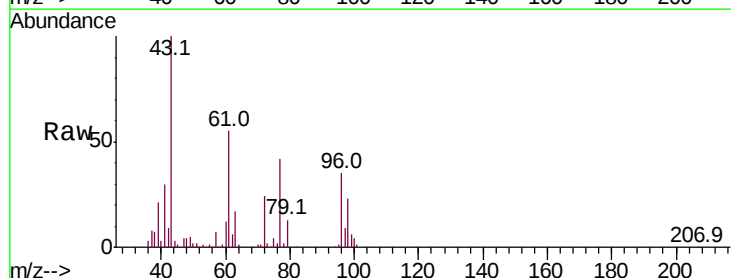
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

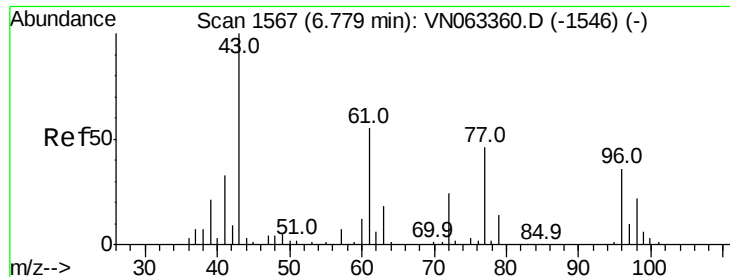
Tot Ion: 43 Resp: 488401
Ion Ratio Lower Upper
43 100
72 23.8 19.2 28.8



#26
2,2-Dichloropropane
Concen: 38.976 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 77 Resp: 221716
Ion Ratio Lower Upper
77 100
97 21.8 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.397 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

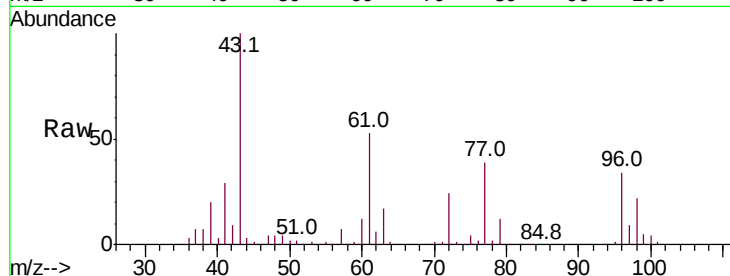
Tot Ion: 96 Resp: 174361

Ion Ratio Lower Upper

96 100

61 154.8 0.0 319.6

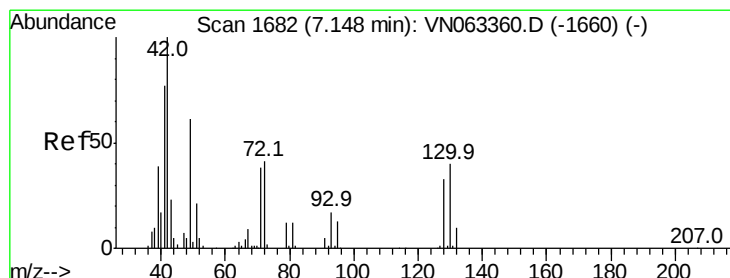
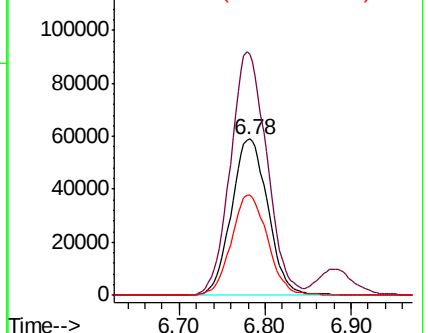
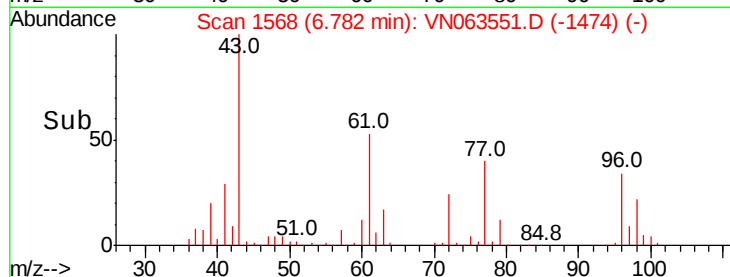
98 63.8 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 46.177 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

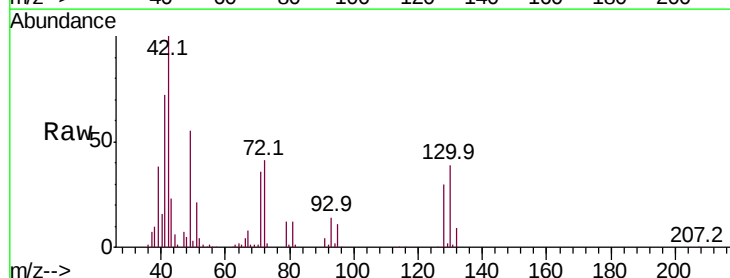
Tgt Ion: 49 Resp: 137756

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

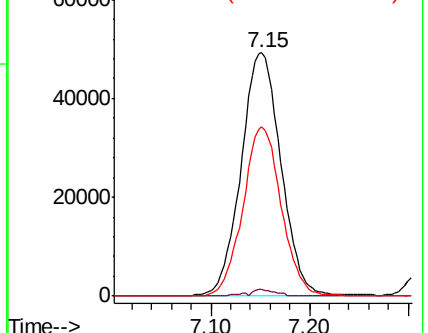
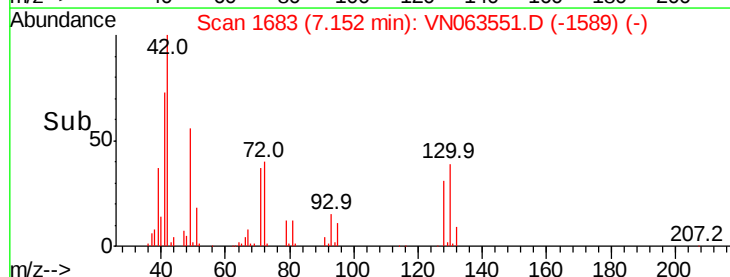
130 66.9 52.2 78.2

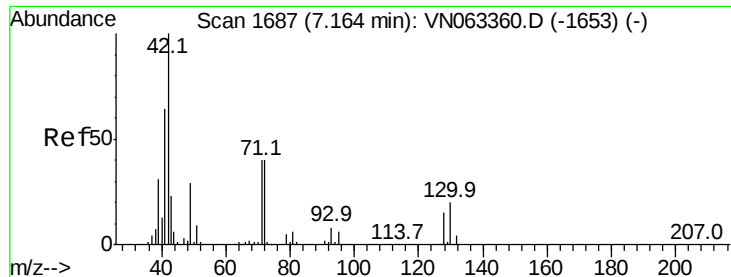


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 218.480 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

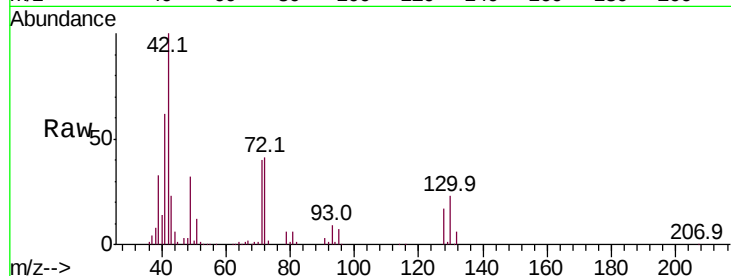
Tot Ion: 42 Resp: 326373

Ion Ratio Lower Upper

42 100

72 41.2 32.1 48.1

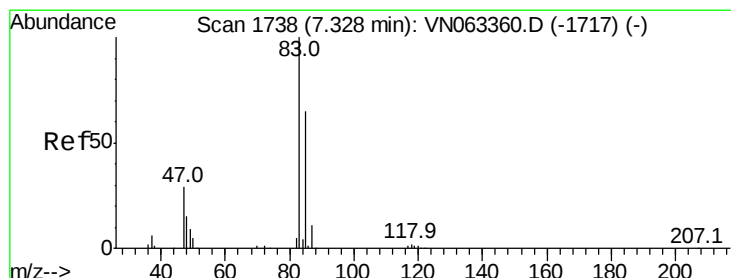
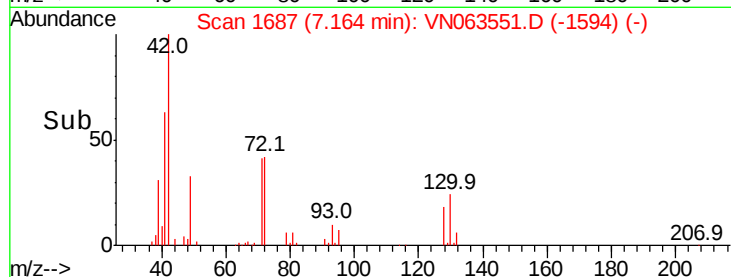
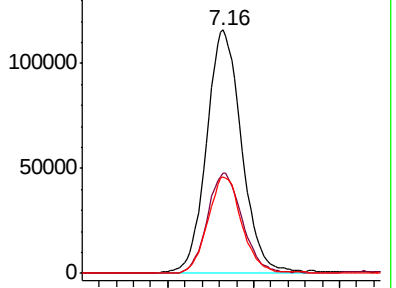
71 39.0 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VN063360.D (-1653) (-)

Ion 72.00 (71.70 to 72.70): VN063360.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN063360.D (-1653) (-)



#30

Chloroform

Concen: 48.010 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063551.D

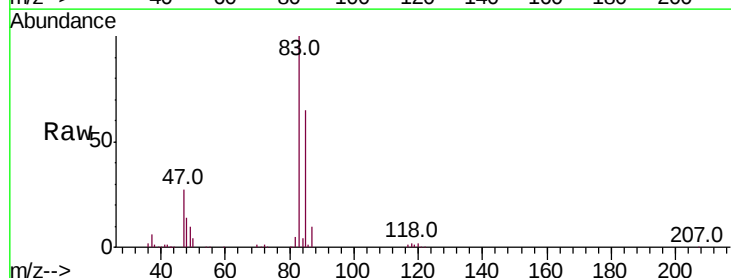
Acq: 22 Sep 2020 22:30

Tgt Ion: 83 Resp: 311211

Ion Ratio Lower Upper

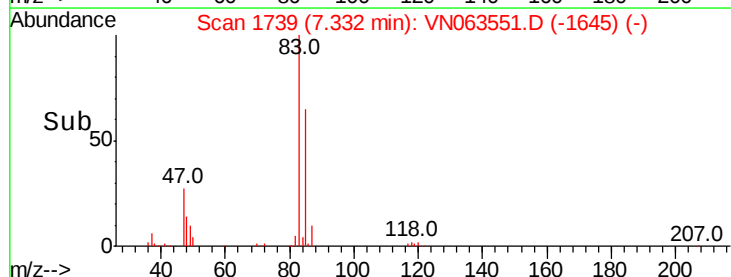
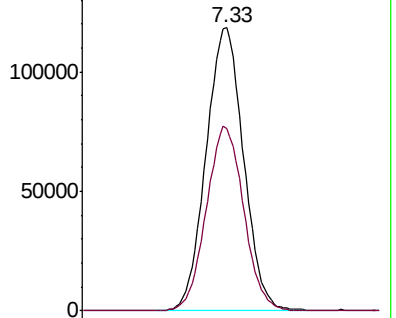
83 100

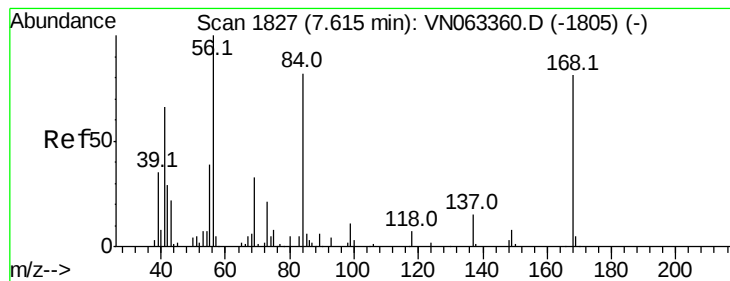
85 64.5 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-1717) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-1717) (-)





#31

Cyclohexane

Concen: 40.397 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

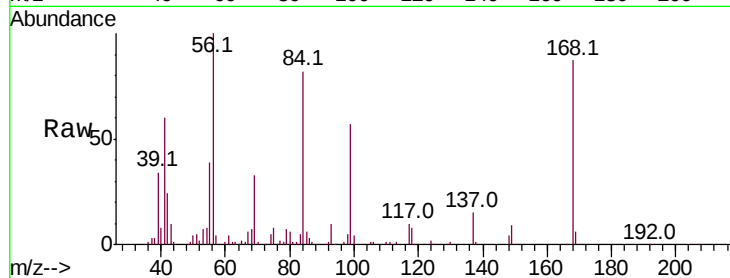
Tot Ion: 56 Resp: 246887

Ion Ratio Lower Upper

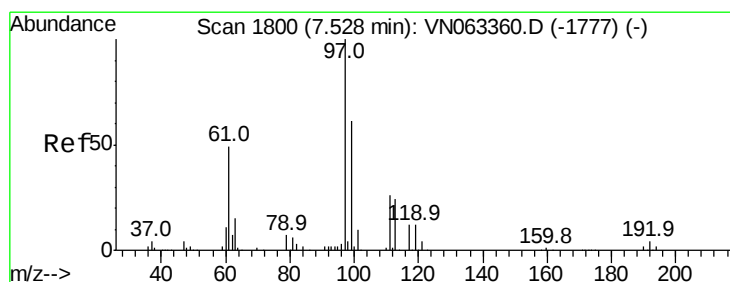
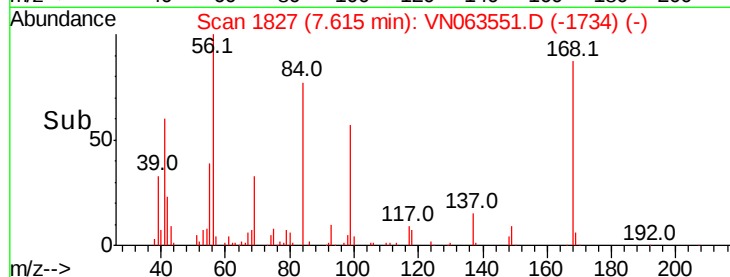
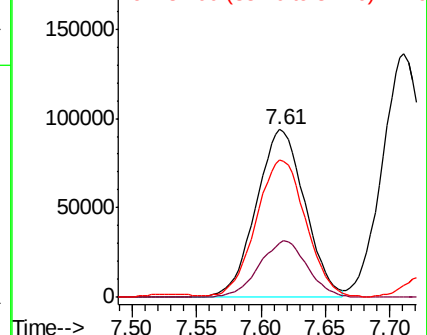
56 100

69 32.5 26.1 39.1

84 80.4 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: 46.946 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

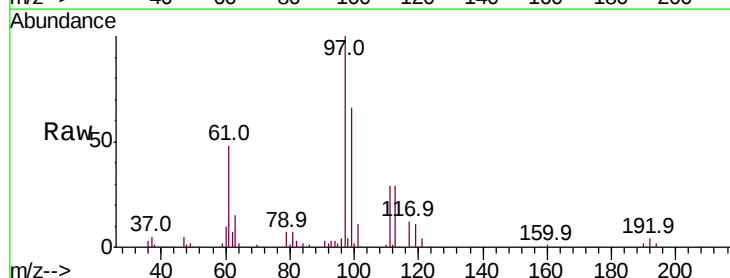
Tgt Ion: 97 Resp: 270667

Ion Ratio Lower Upper

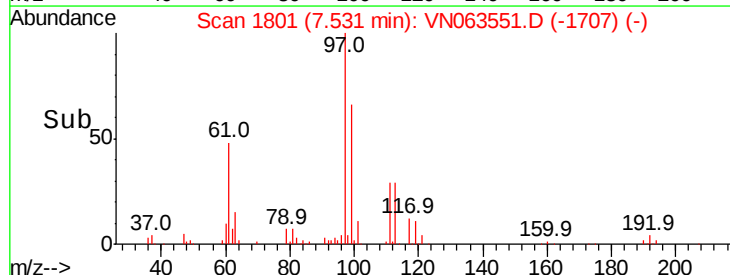
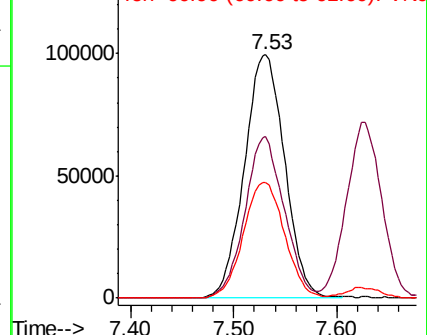
97 100

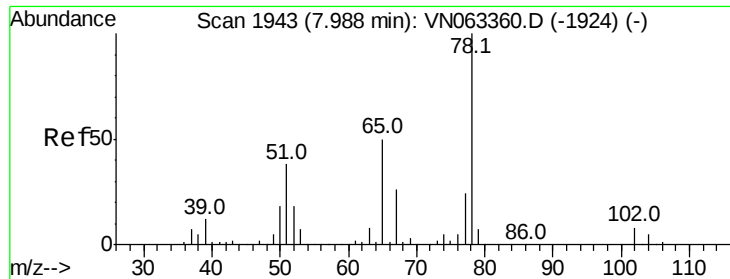
99 64.3 50.6 76.0

61 48.7 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

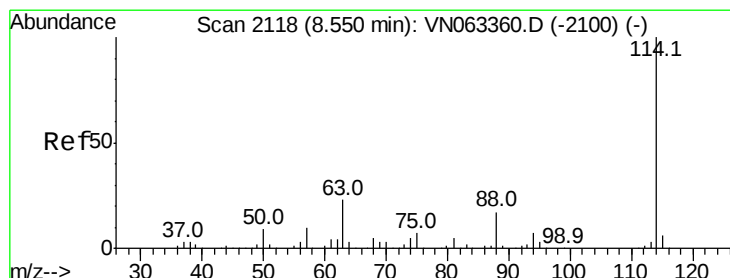
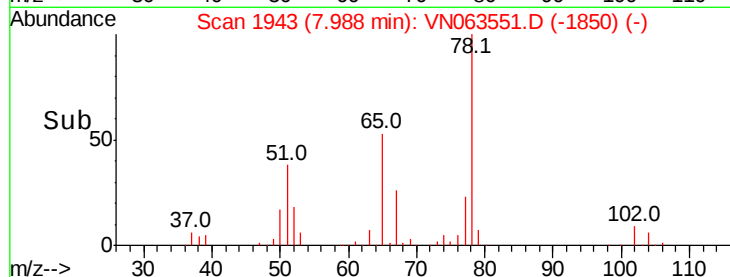
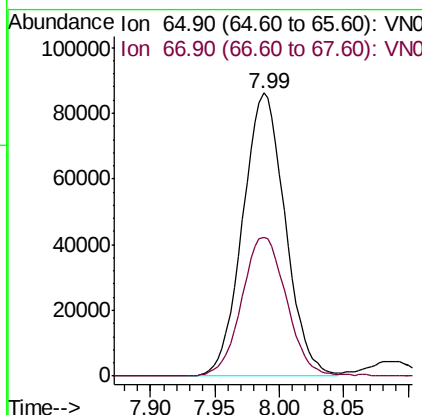
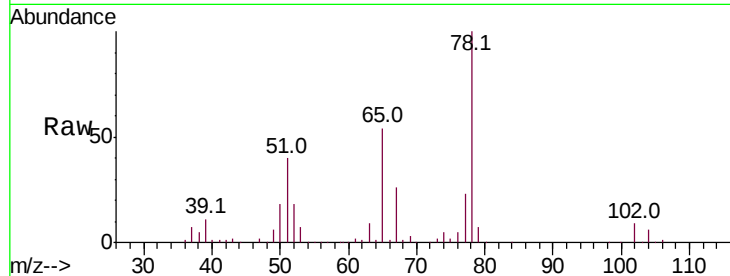




#33
 1,2-Dichloroethane-d4
 Concen: 44.760 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

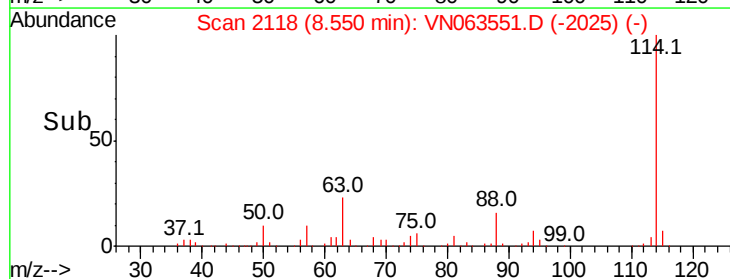
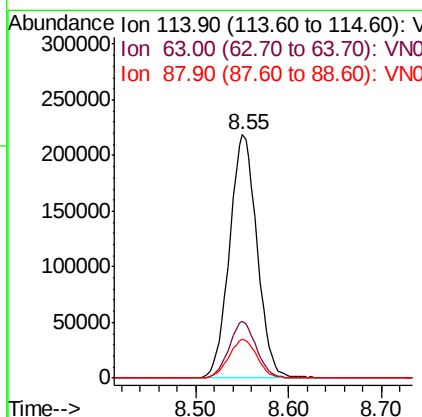
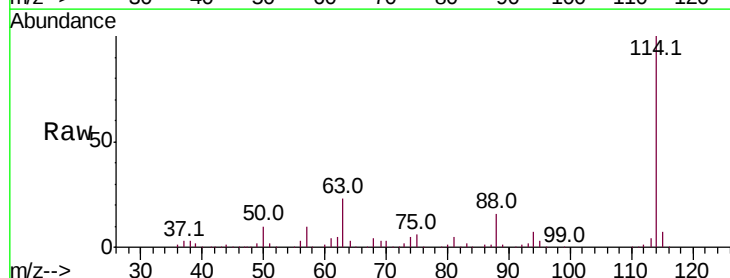
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

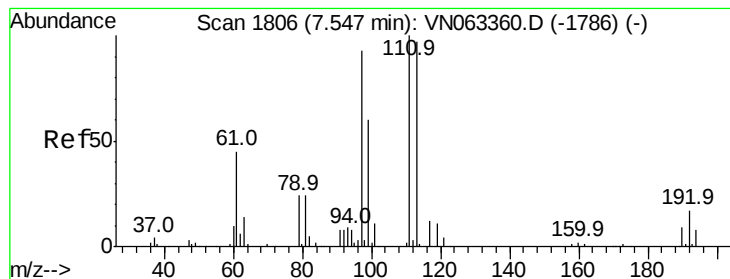
Tot Ion: 65 Resp: 198069
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion: 114 Resp: 450998
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.4
 88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.132 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

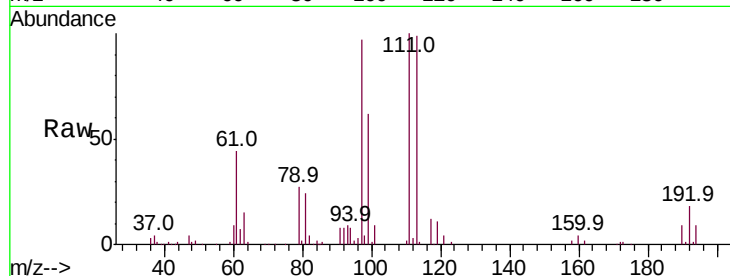
Tot Ion:113 Resp: 140909

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

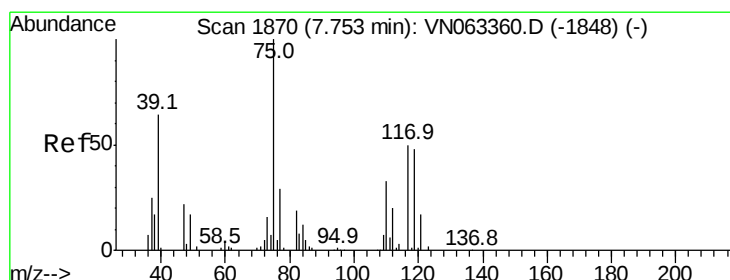
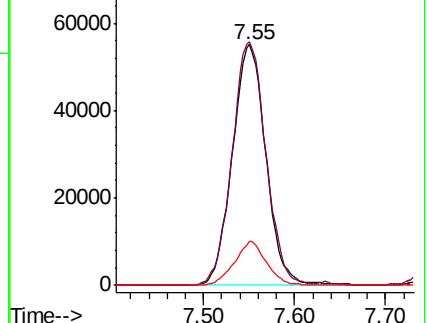
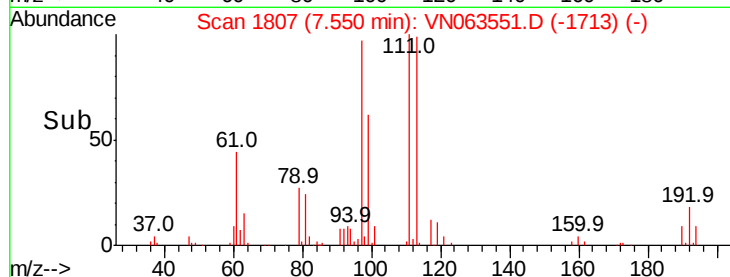
192 17.4 13.9 20.9



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: 45.421 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

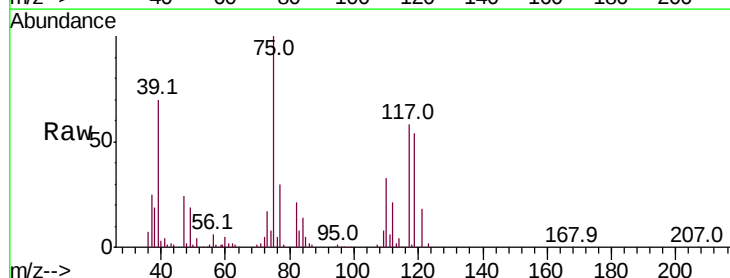
Tgt Ion: 75 Resp: 218237

Ion Ratio Lower Upper

75 100

110 33.7 16.5 49.5

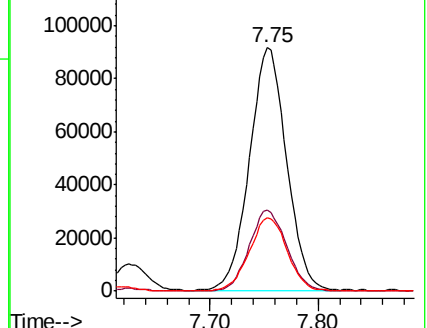
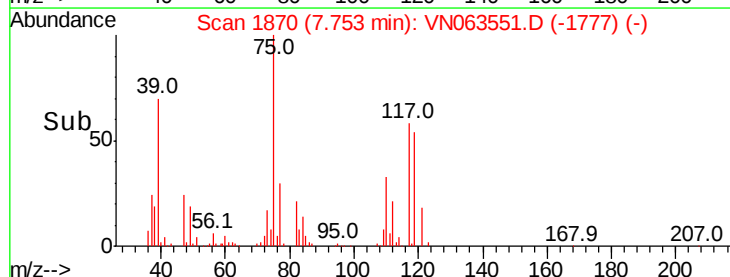
77 31.1 24.6 36.8

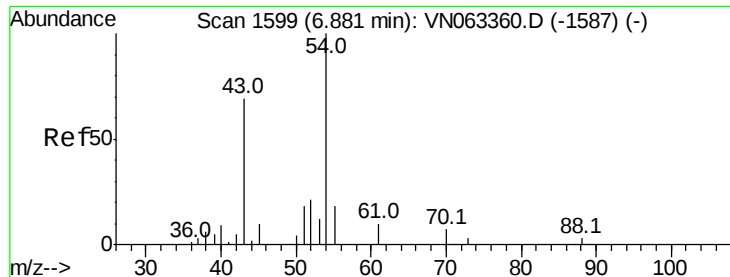


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 46.258 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.00 min

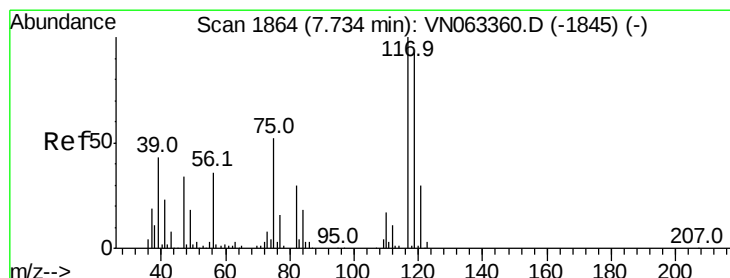
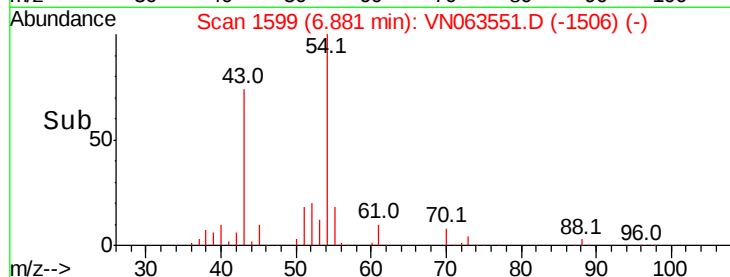
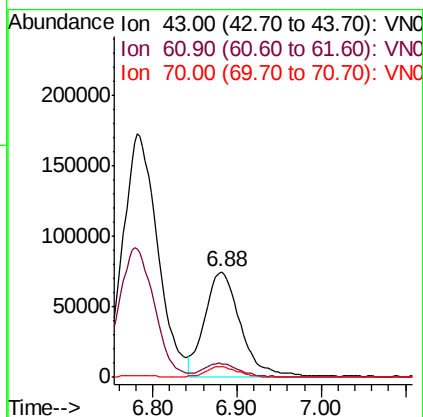
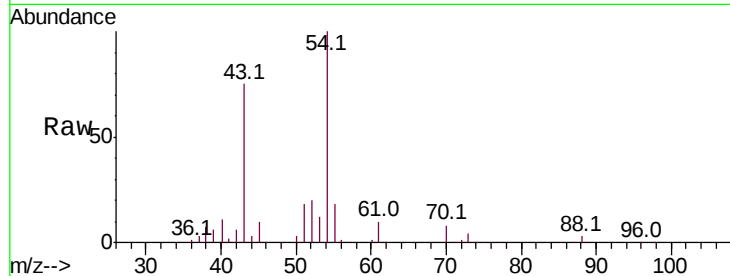
Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 218139

Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.6	15.8
70	9.5	7.2	10.8



#38

Carbon Tetrachloride

Concen: 47.676 ug/l

RT: 7.73 min Scan# 1864

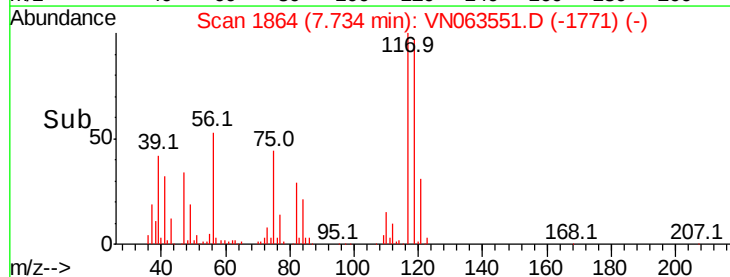
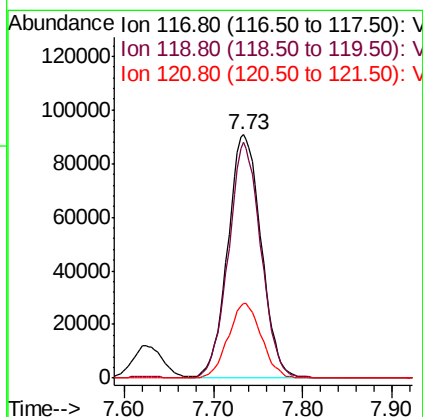
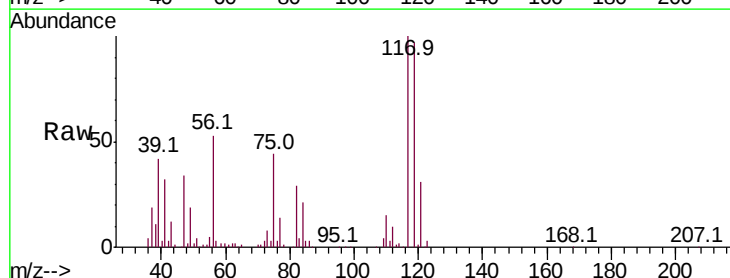
Delta R.T. 0.00 min

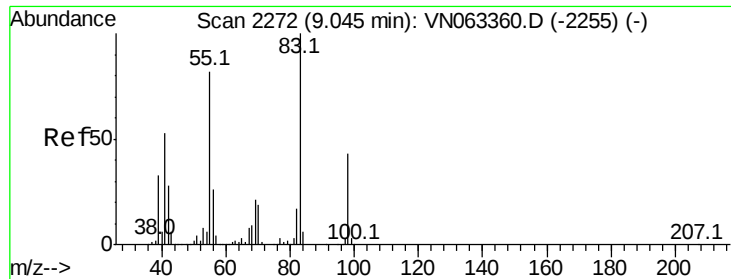
Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion: 117 Resp: 233836

Ion	Ratio	Lower	Upper
117	100		
119	96.9	74.5	111.7
121	30.6	24.1	36.1

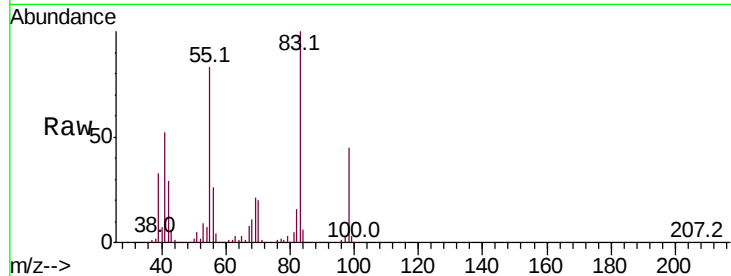




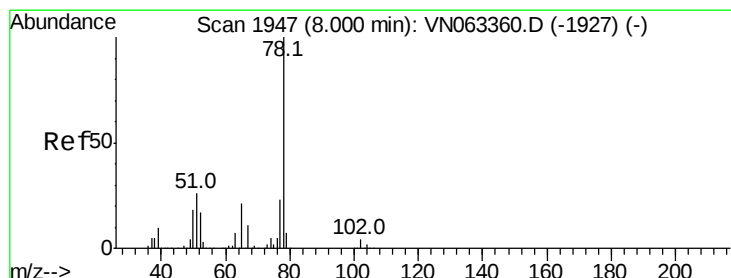
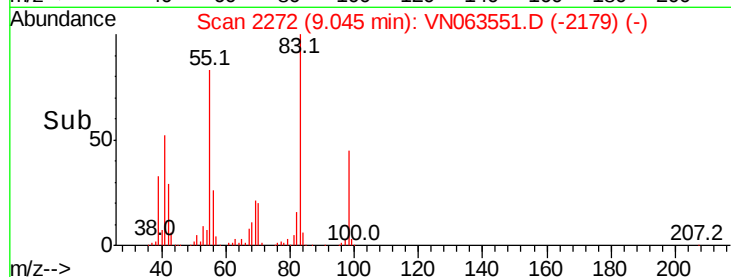
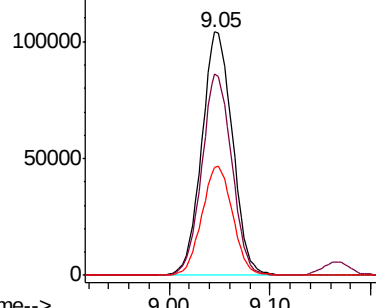
#39
Methvlcvclohexane
Concen: 42.253 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 220335
Ion Ratio Lower Upper
83 100
55 82.8 65.5 98.3
98 44.5 34.2 51.4

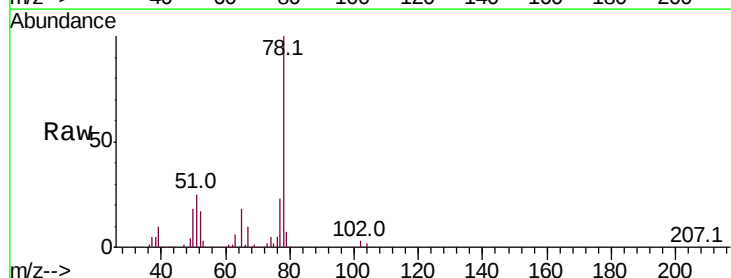


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

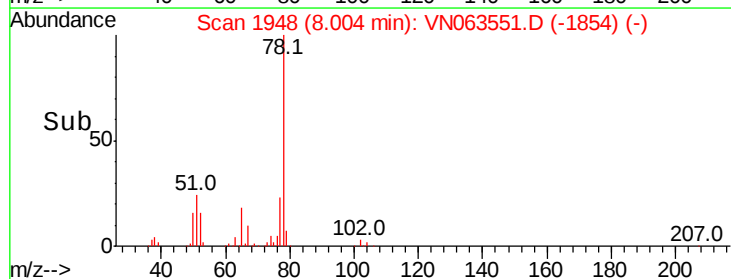
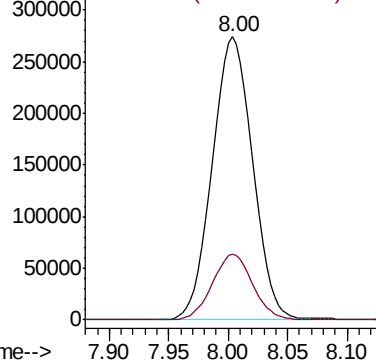


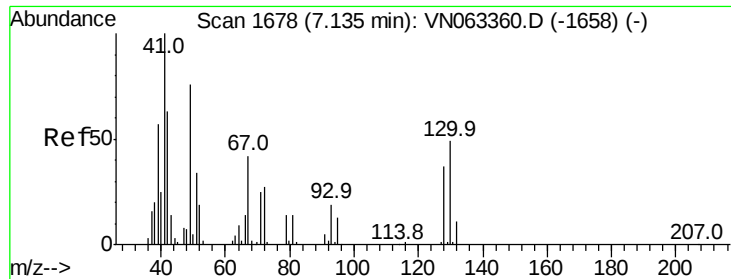
#40
Benzene
Concen: 47.061 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 78 Resp: 645479
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5



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

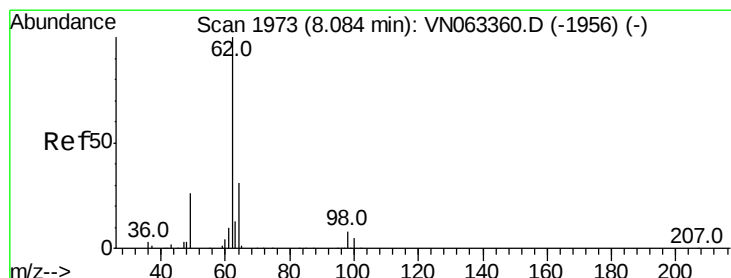
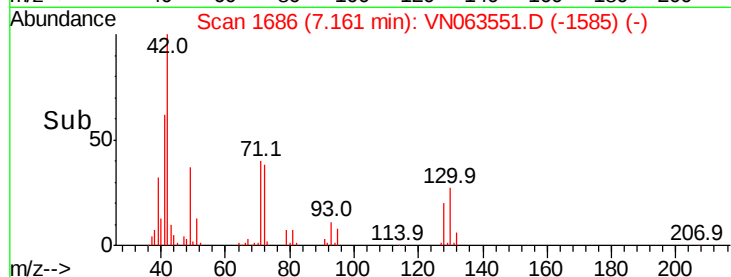
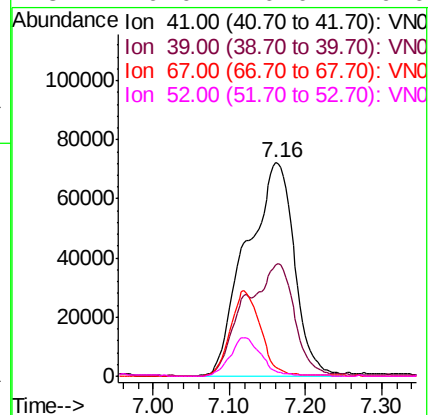
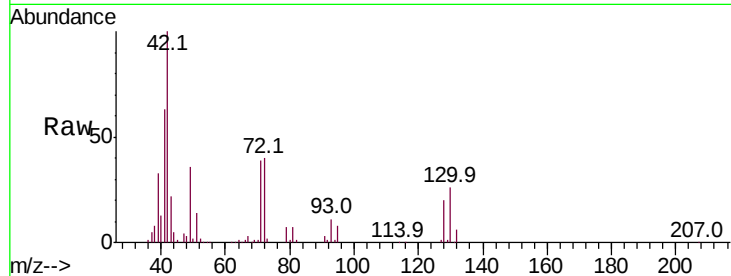




#41
Methacrylonitrile
Concen: 149.547 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

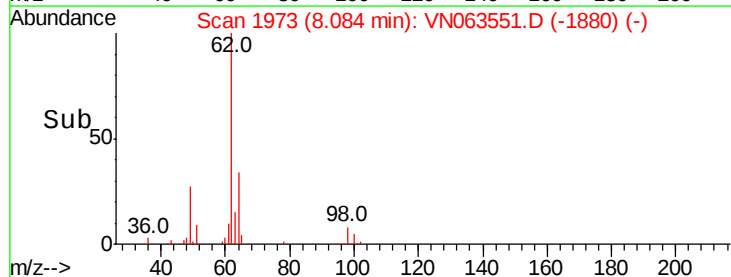
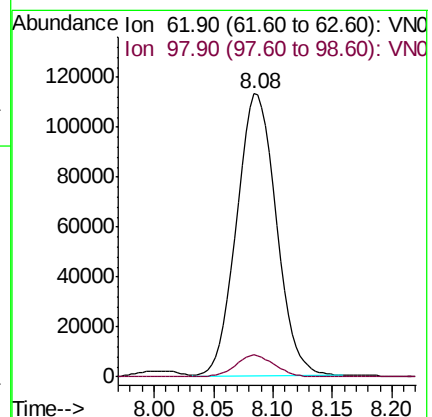
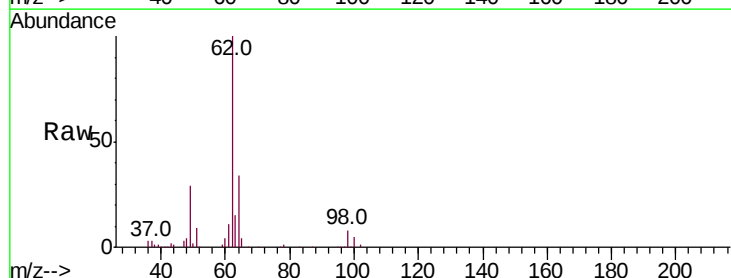
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

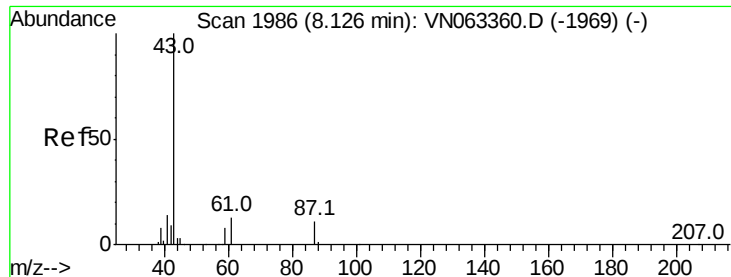
Tot Ion:	41	Resp:	317177
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 47.429 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion:	62	Resp:	261607
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





#43

Isopropyl Acetate

Concen: 43.976 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

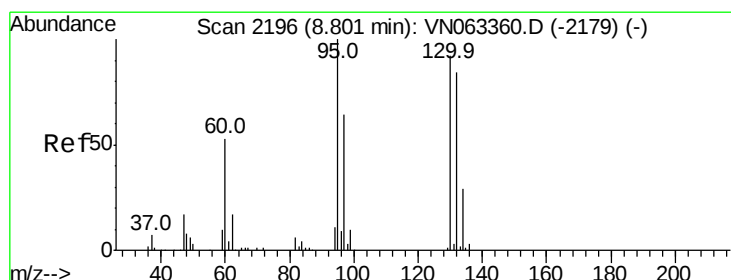
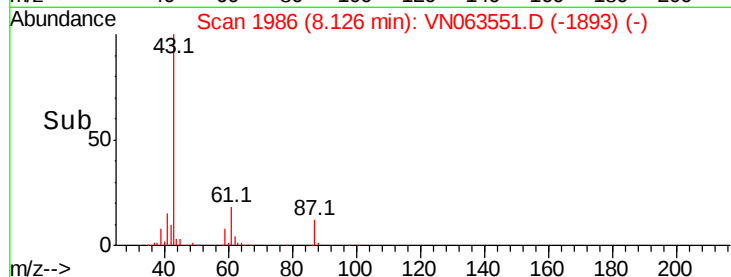
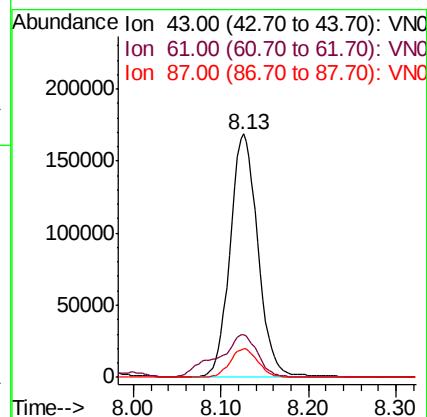
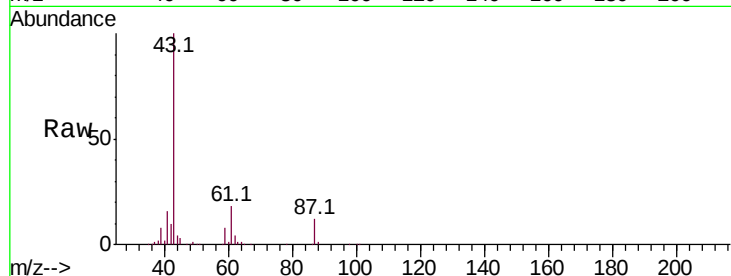
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 370812

Ion	Ratio	Lower	Upper
43	100		
61	25.0	14.2	21.2#
87	11.9	9.0	13.6



#44

Trichloroethene

Concen: 47.483 ug/l

RT: 8.80 min Scan# 2196

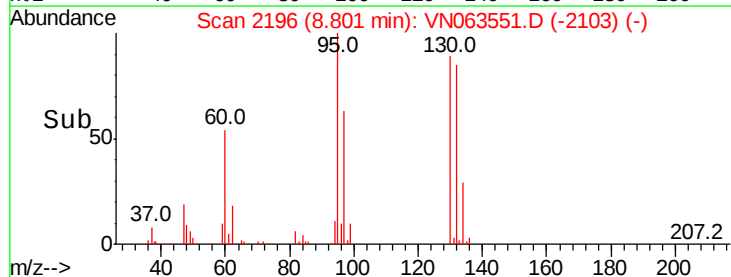
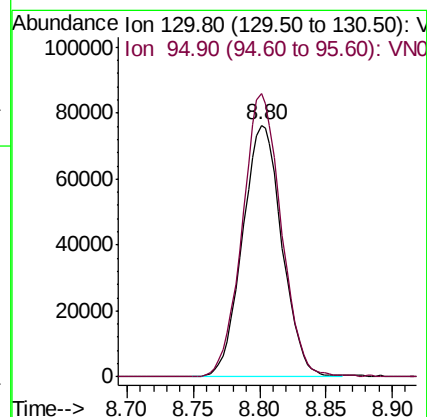
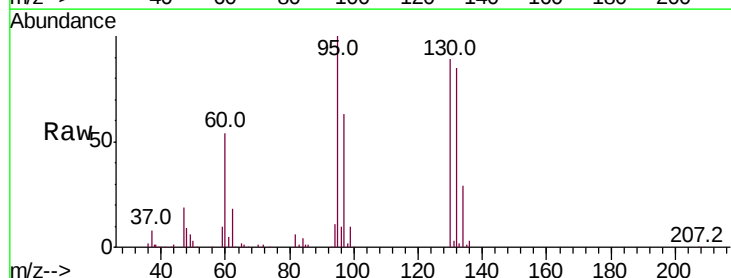
Delta R.T. 0.00 min

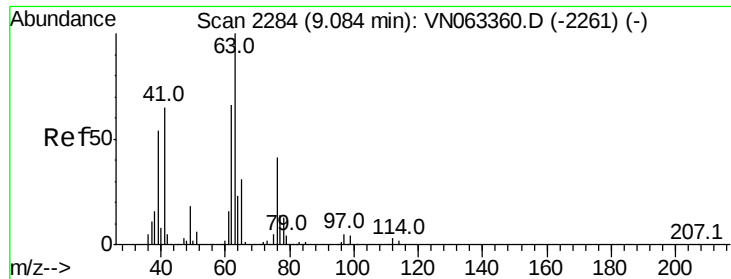
Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion: 130 Resp: 157963

Ion	Ratio	Lower	Upper
130	100		
95	112.4	0.0	217.4





#45

1,2-Dichloropropane

Concen: 46.826 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

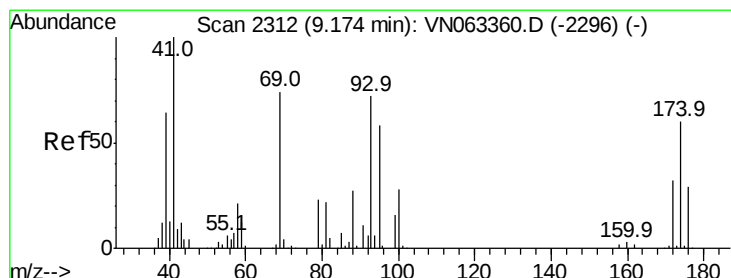
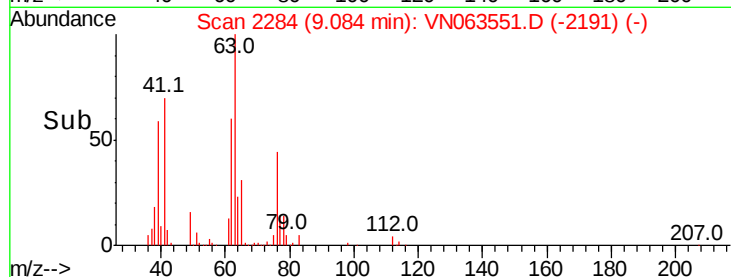
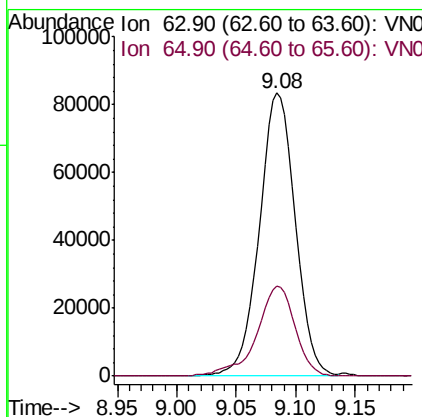
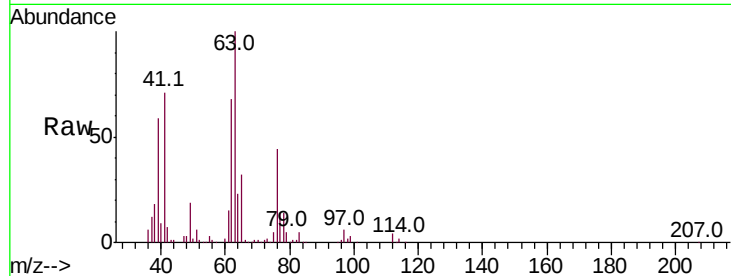
VSTDCCC050EC

Tot Ion: 63 Resp: 174924

Ion Ratio Lower Upper

63 100

65 31.9 25.0 37.6



#46

Dibromomethane

Concen: 49.194 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

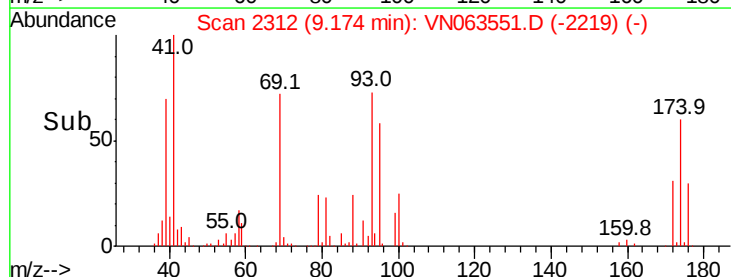
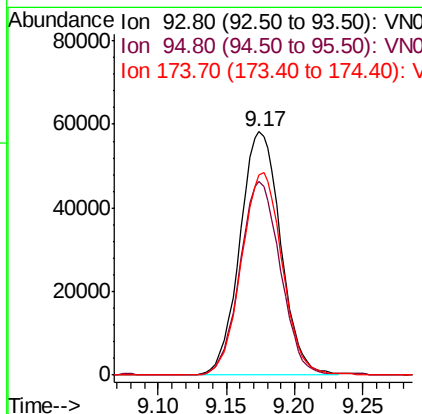
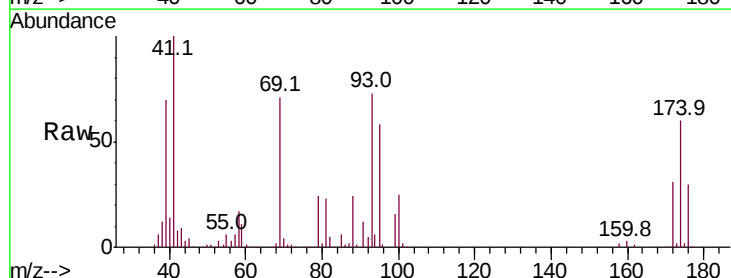
Tgt Ion: 93 Resp: 120784

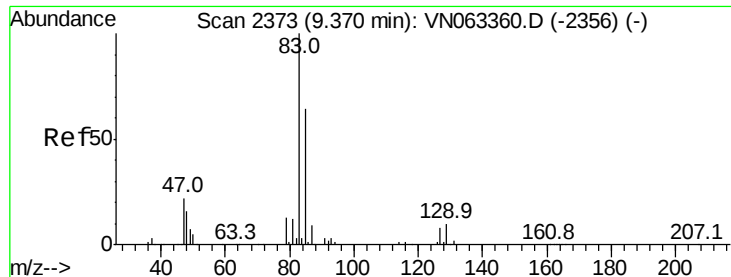
Ion Ratio Lower Upper

93 100

95 79.2 65.6 98.4

174 83.3 68.1 102.1





#47

Bromodichloromethane

Concen: 49.179 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

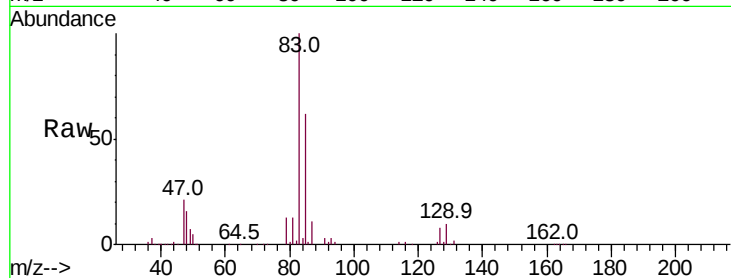
Tot Ion: 83 Resp: 250845

Ion Ratio Lower Upper

83 100

85 62.5 51.0 76.6

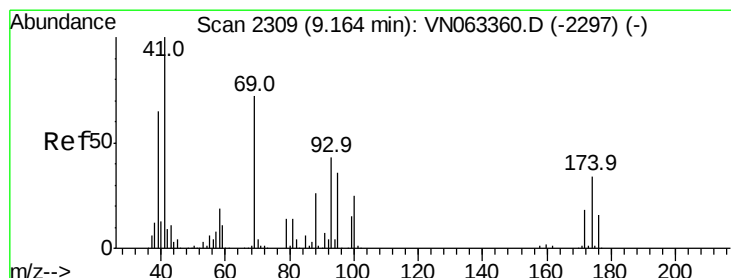
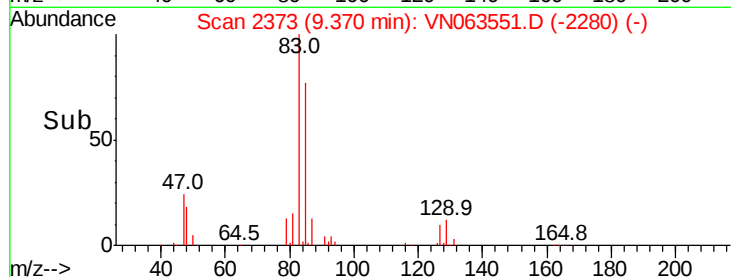
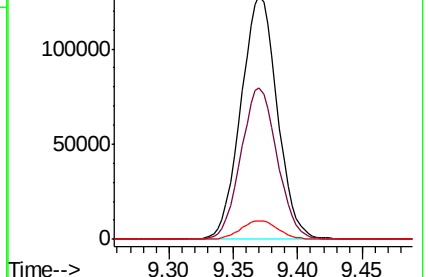
127 7.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN063360.D (-2356) (-)



#48

Methyl methacrylate

Concen: 44.215 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

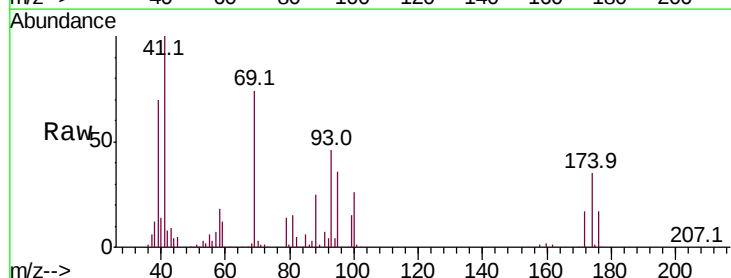
Tgt Ion: 41 Resp: 183171

Ion Ratio Lower Upper

41 100

69 75.3 59.3 88.9

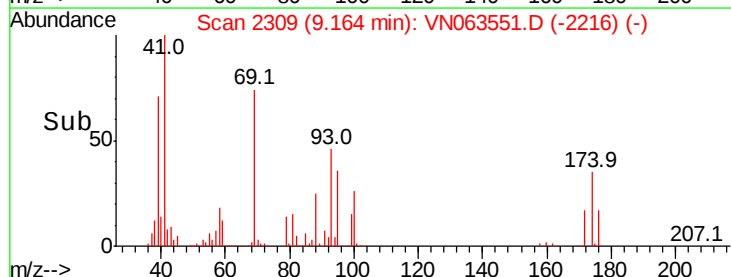
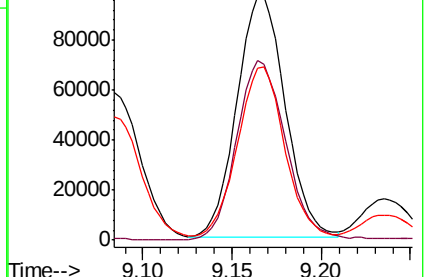
39 70.5 52.9 79.3

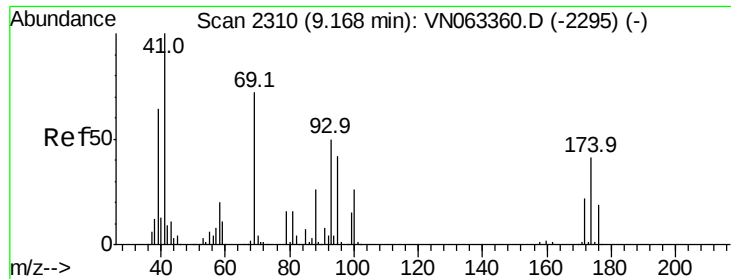


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2297) (-)





#49

1,4-Dioxane

Concen: 825.524 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

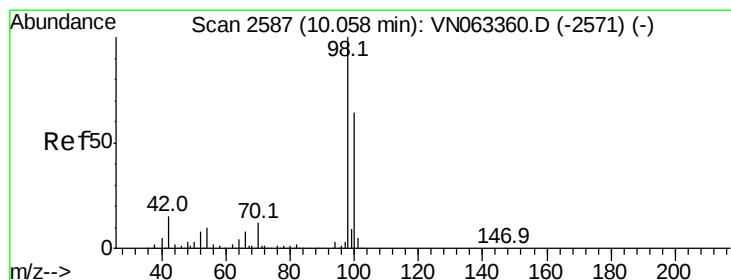
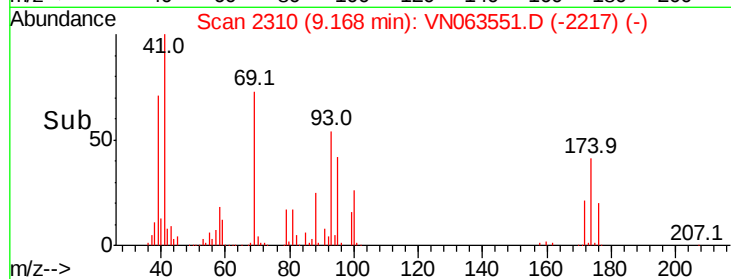
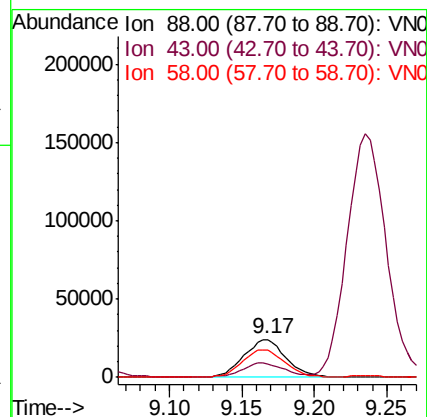
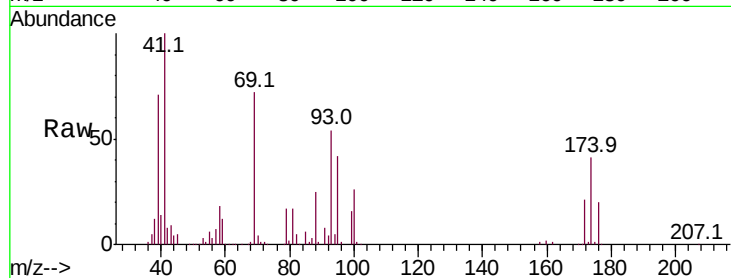
Tot Ion: 88 Resp: 49078

Ion Ratio Lower Upper

88 100

43 37.0 32.6 49.0

58 73.6 60.0 90.0



#50

Toluene-d8

Concen: 44.956 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063551.D

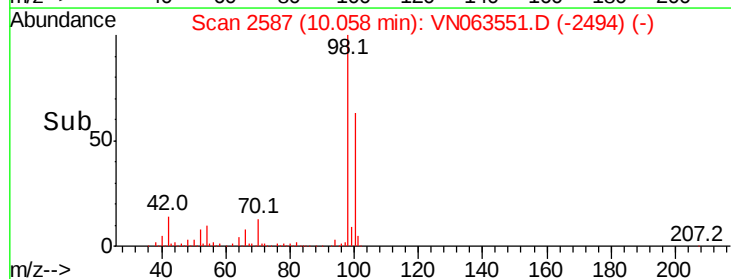
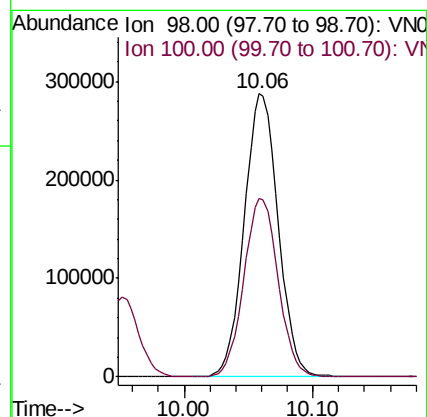
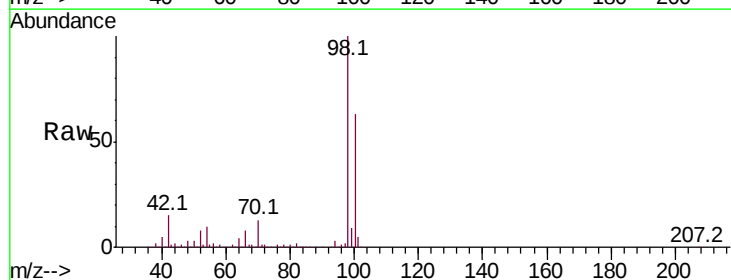
Acq: 22 Sep 2020 22:30

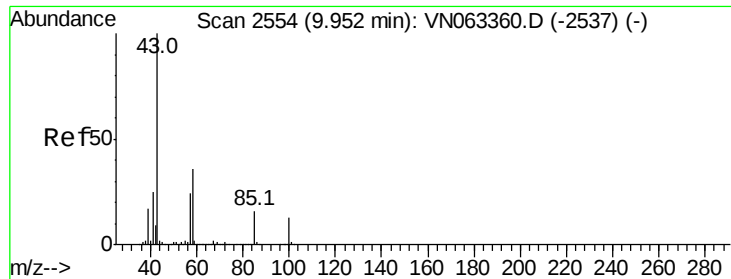
Tgt Ion: 98 Resp: 527782

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 233.659 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

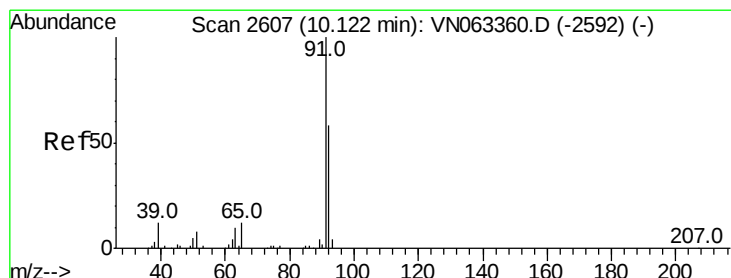
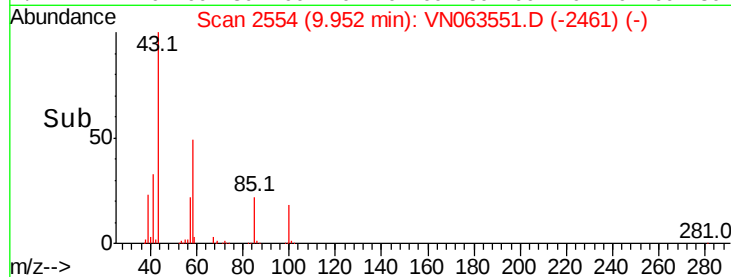
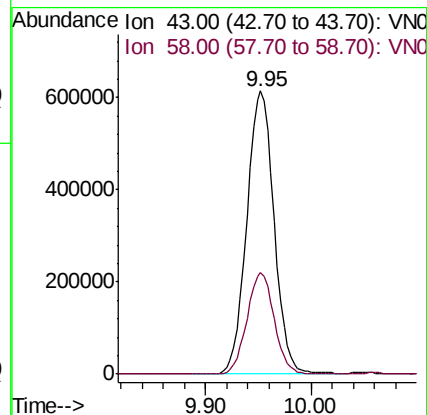
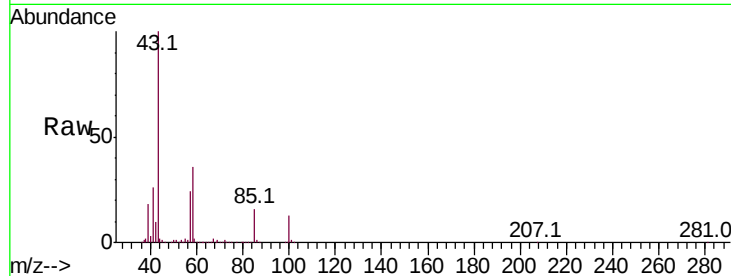
VSTDCCC050EC

Tot Ion: 43 Resp: 1103003

Ion Ratio Lower Upper

43 100

58 35.8 29.0 43.6



#52

Toluene

Concen: 48.620 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063551.D

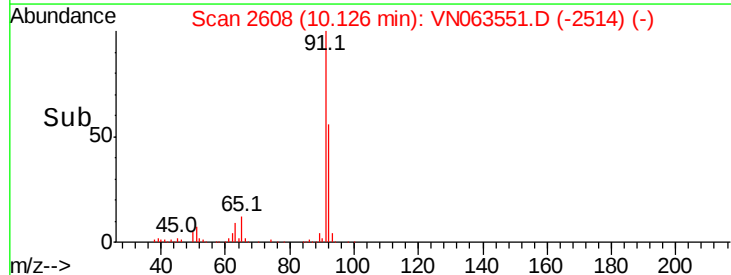
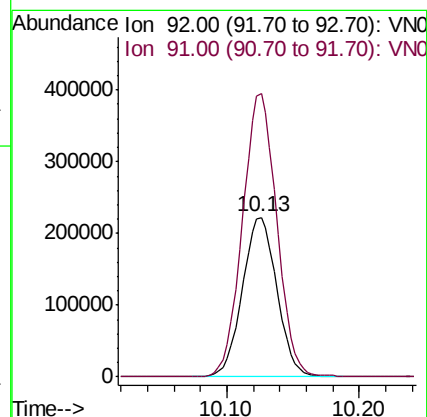
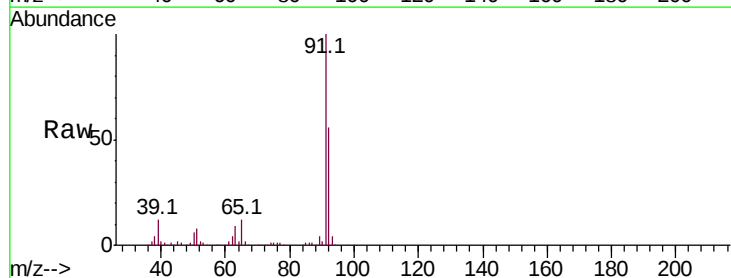
Acq: 22 Sep 2020 22:30

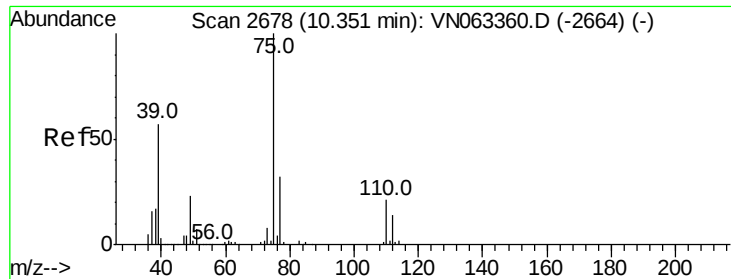
Tgt Ion: 92 Resp: 400936

Ion Ratio Lower Upper

92 100

91 177.4 139.7 209.5

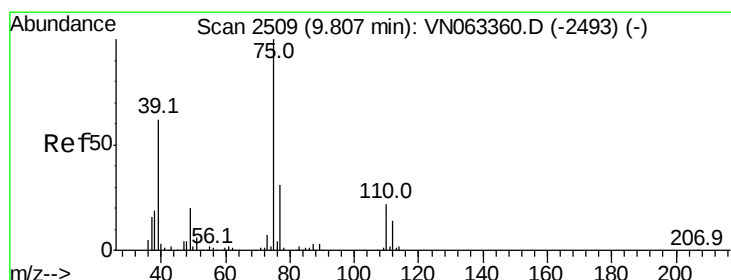
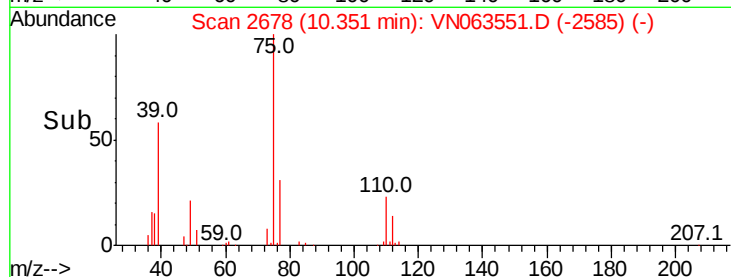
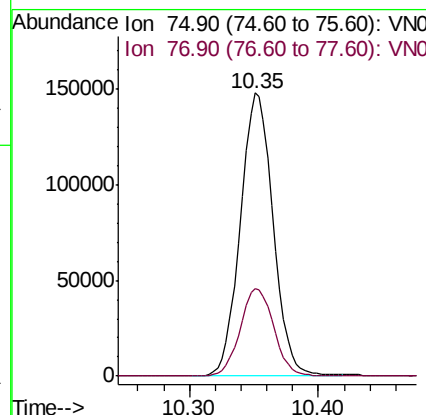
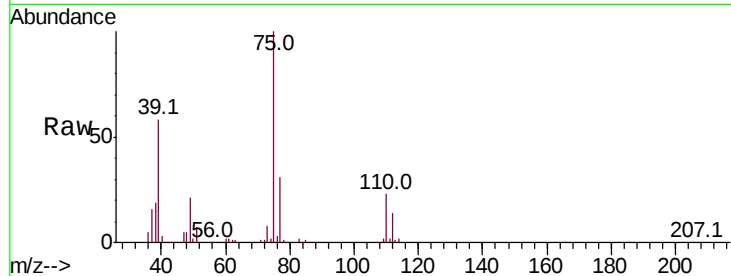




#53
 t-1,3-Dichloropropene
 Concen: 45.840 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

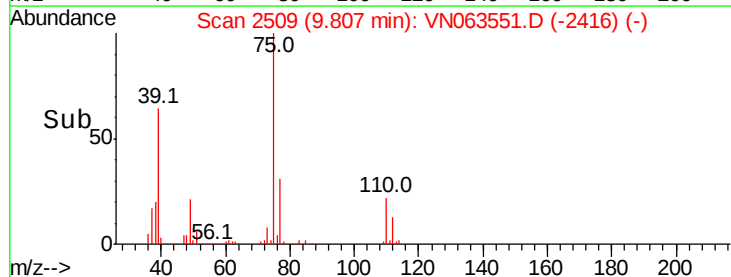
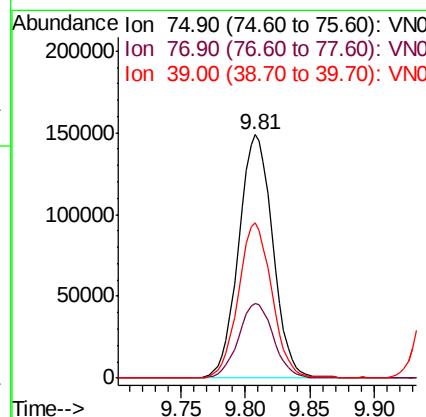
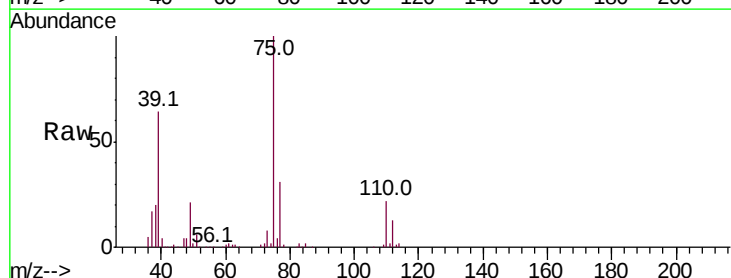
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

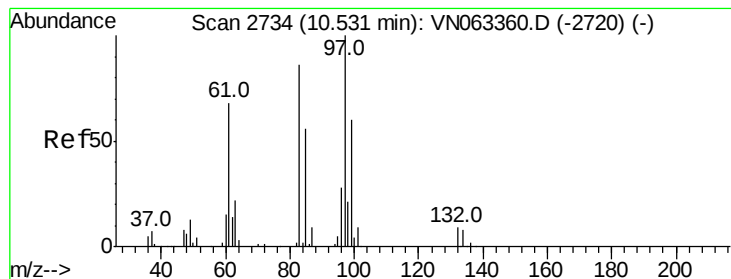
Tot Ion: 75 Resp: 261029
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 45.729 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion: 75 Resp: 274668
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.6 37.0
 39 63.8 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 49.528 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 162231

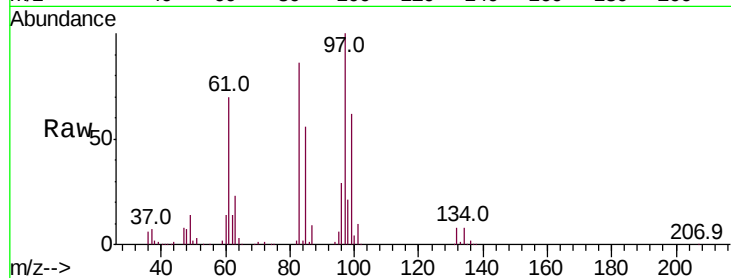
Ion Ratio Lower Upper

97 100

83 86.1 68.9 103.3

85 55.9 44.8 67.2

99 62.1 47.8 71.8

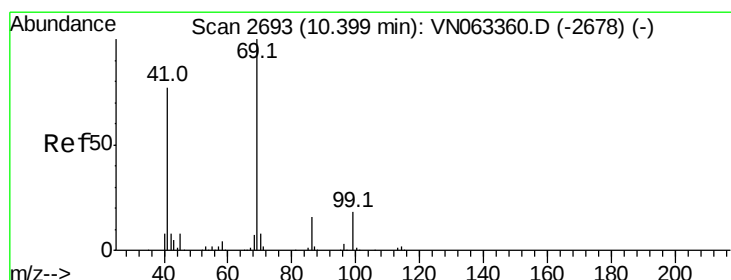
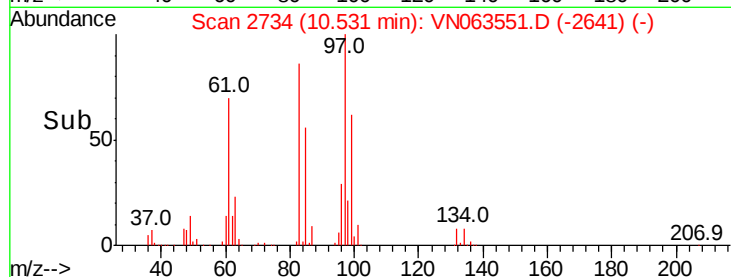
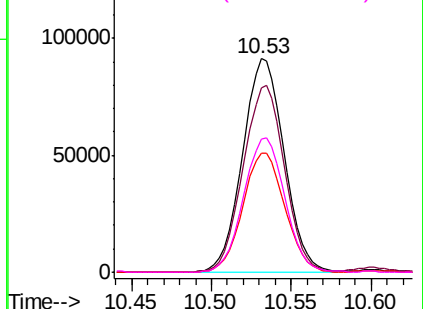


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.632 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

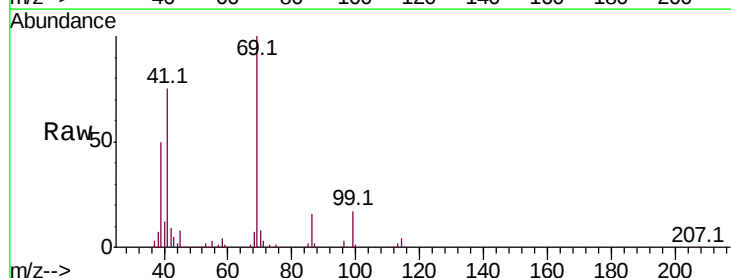
Tgt Ion: 69 Resp: 243564

Ion Ratio Lower Upper

69 100

41 75.2 61.0 91.6

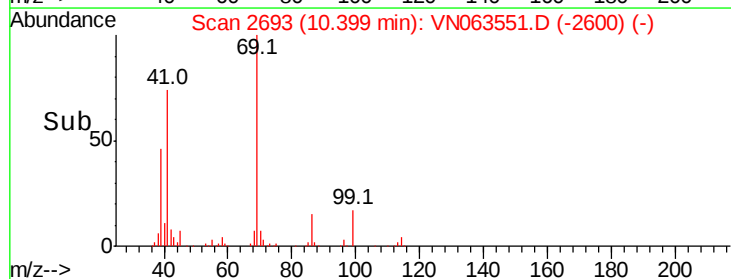
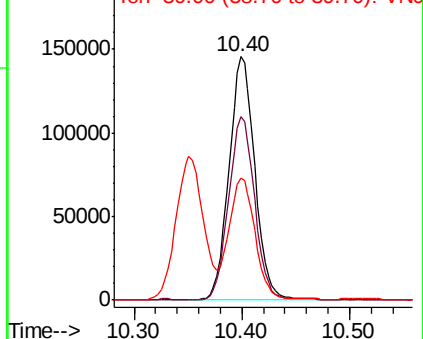
39 50.9 39.2 58.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 46.773 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

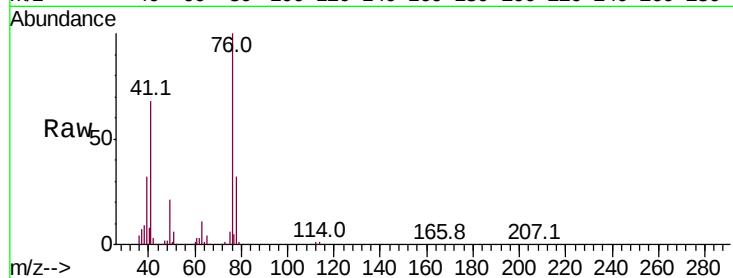
VSTDCCC050EC

Tot Ion: 76 Resp: 276282

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

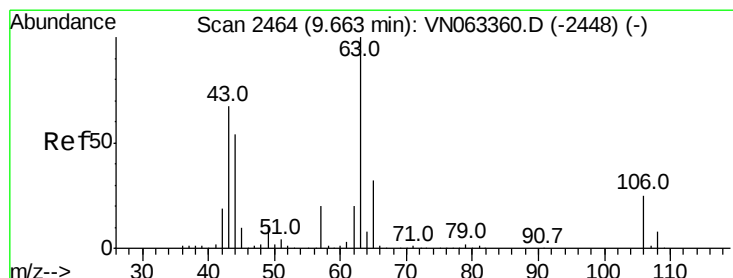
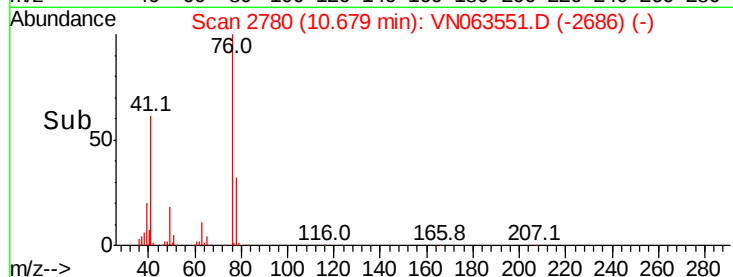
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 233.707 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063551.D

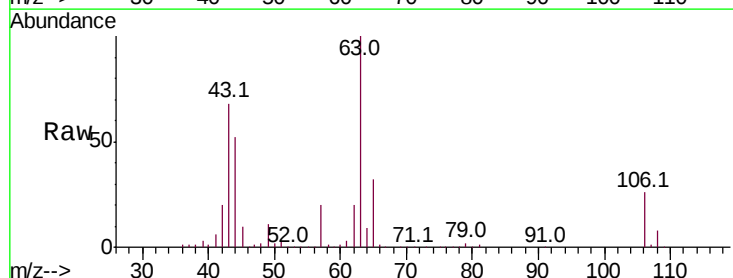
Acq: 22 Sep 2020 22:30

Tgt Ion: 63 Resp: 626900

Ion Ratio Lower Upper

63 100

106 25.8 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

400000

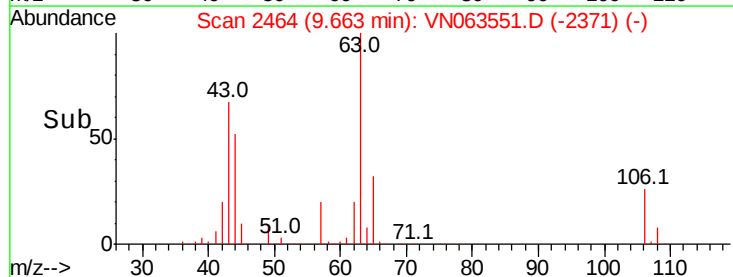
300000

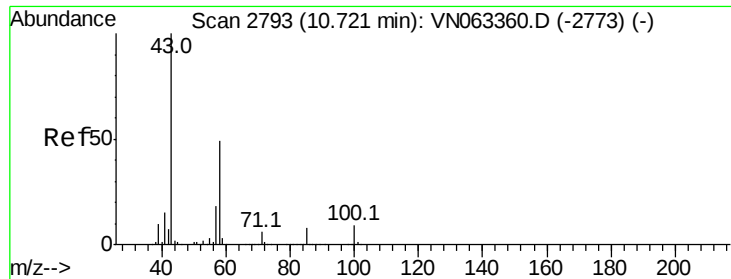
200000

100000

0

Time-->

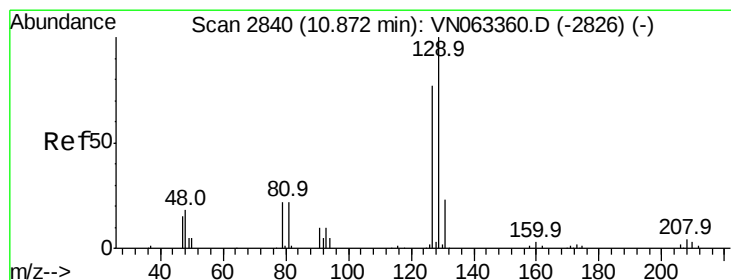
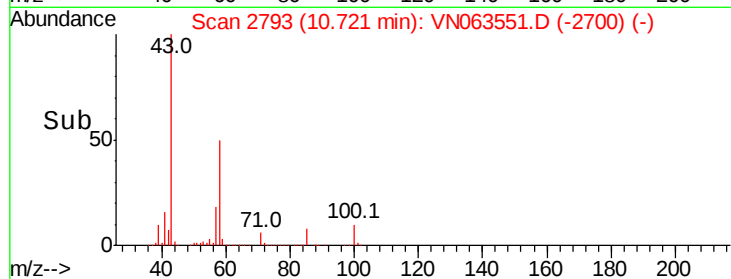
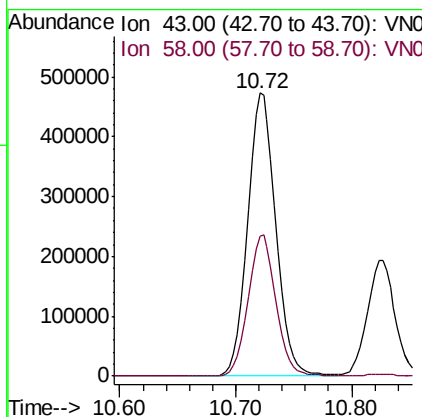
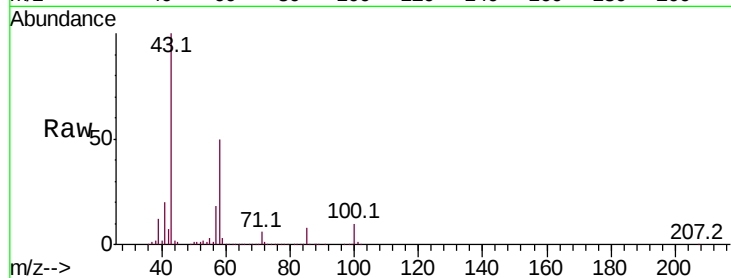




#59
2-Hexanone
Concen: 234.205 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

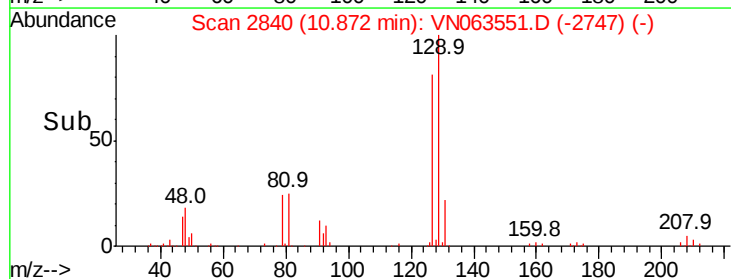
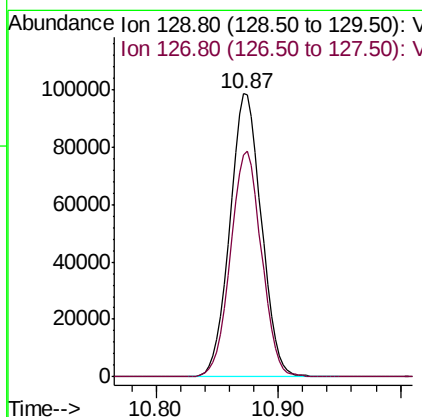
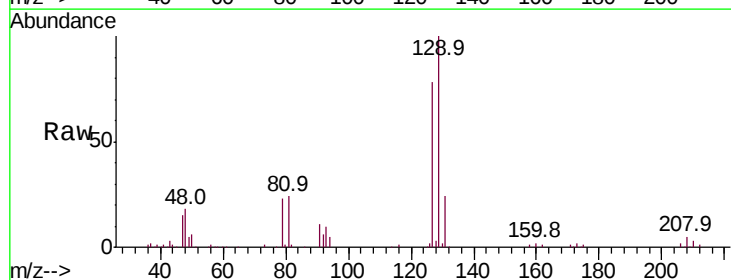
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

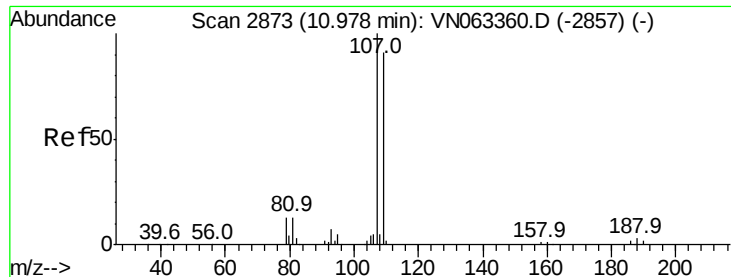
Tot Ion: 43 Resp: 800963
Ion Ratio Lower Upper
43 100
58 49.5 24.7 74.1



#60
Dibromochloromethane
Concen: 47.889 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 129 Resp: 177210
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3

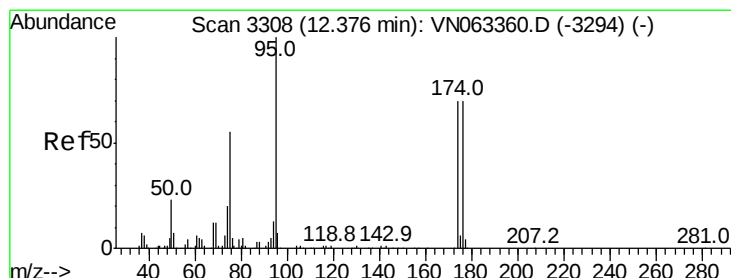
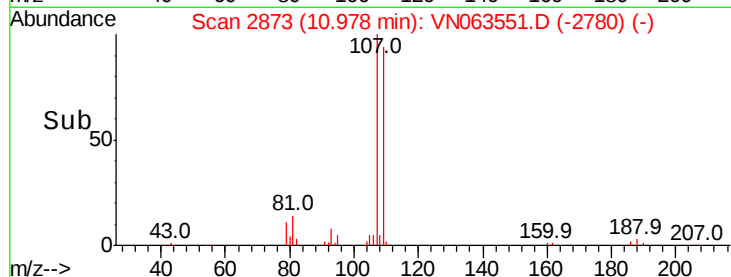
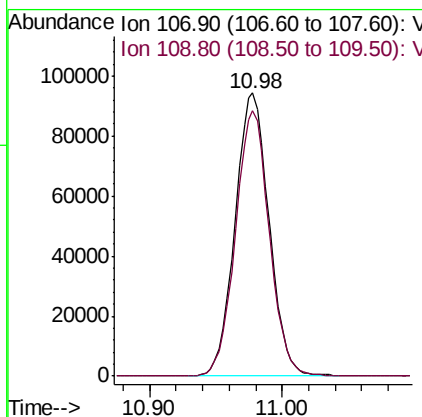
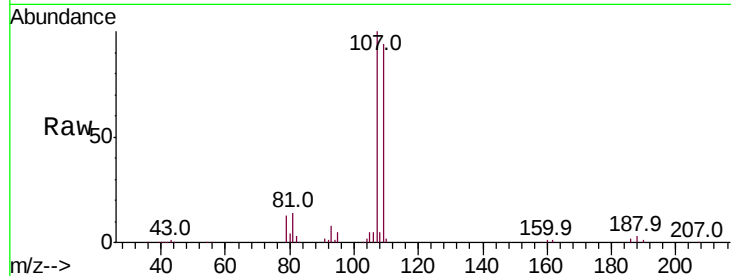




#61
 1,2-Dibromoethane
 Concen: 49.285 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

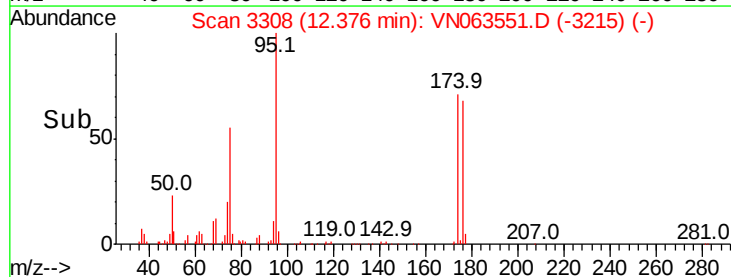
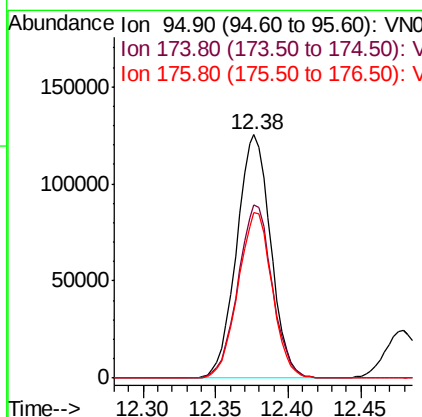
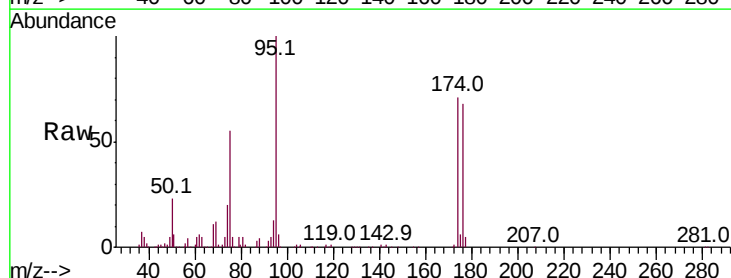
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

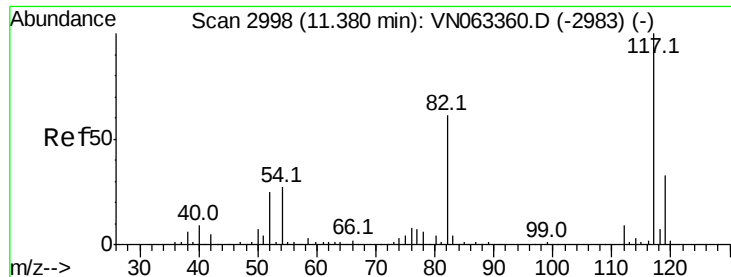
Tot Ion:107 Resp: 167717
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 47.584 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion: 95 Resp: 204783
 Ion Ratio Lower Upper
 95 100
 174 71.5 0.0 140.8
 176 68.1 0.0 137.6

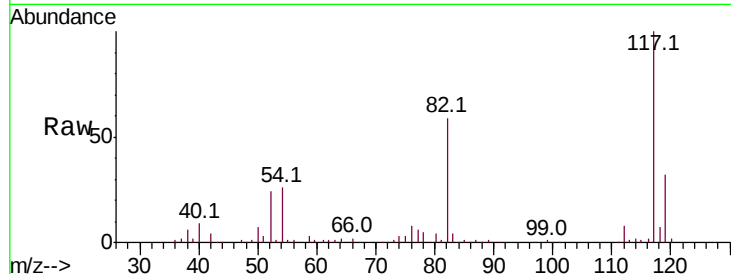




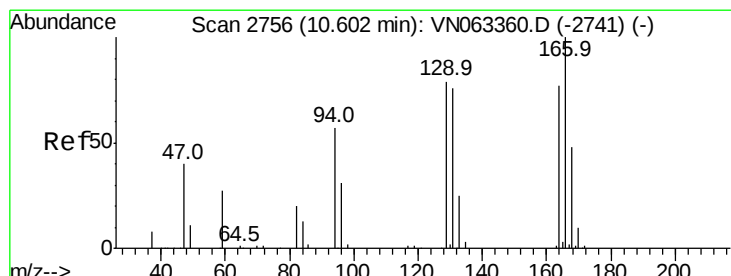
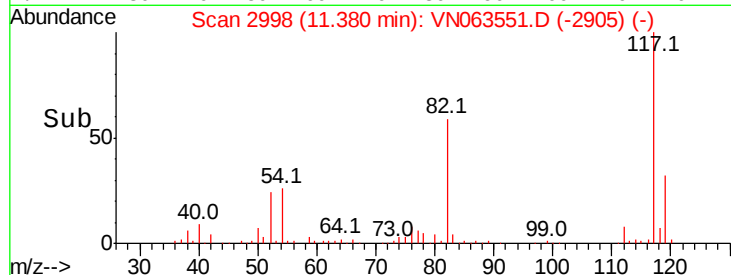
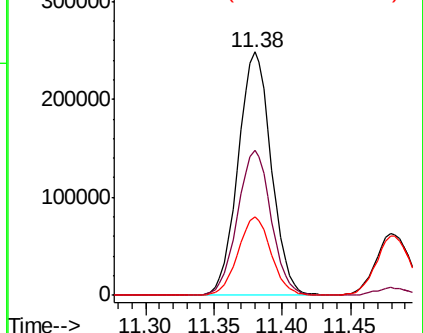
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 420943
Ion Ratio Lower Upper
117 100
82 59.5 49.2 73.8
119 32.2 26.2 39.4

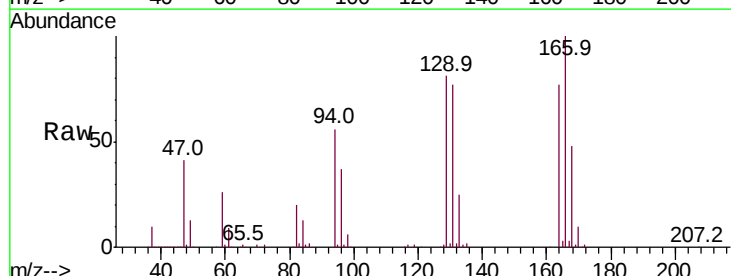


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

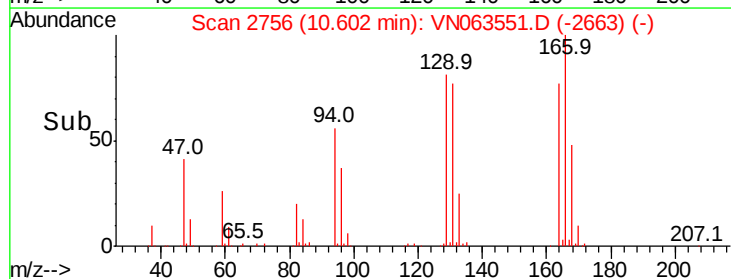
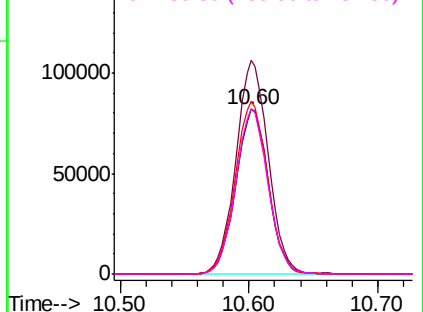


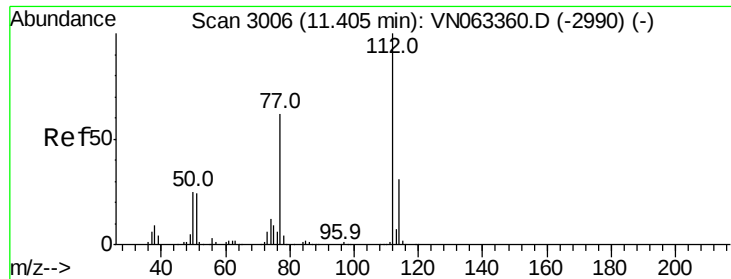
#64
Tetrachloroethene
Concen: 50.219 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion:164 Resp: 143945
Ion Ratio Lower Upper
164 100
166 129.6 103.4 155.0
129 104.8 81.8 122.6
131 100.1 78.2 117.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

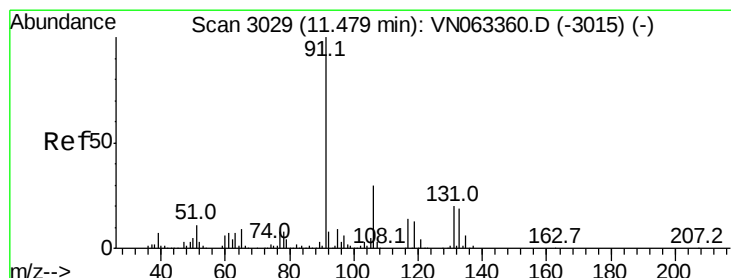
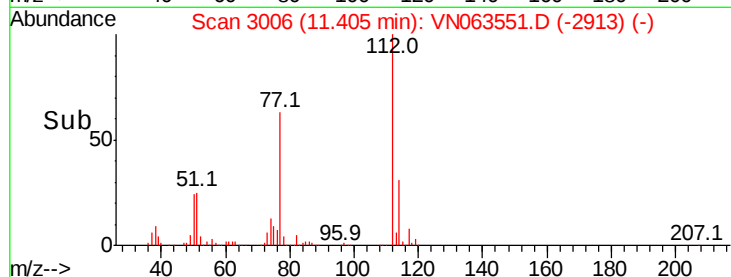
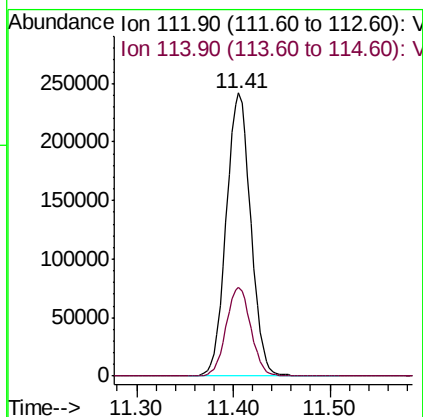
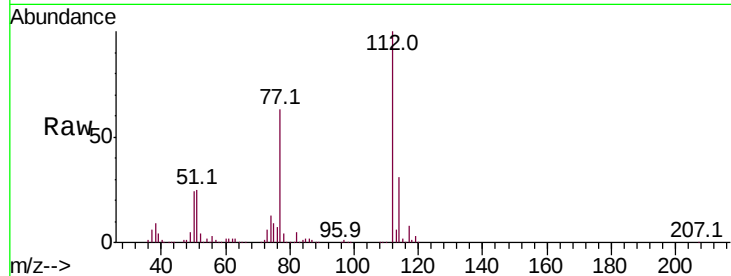




#65
Chlorobenzene
Concen: 47.546 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

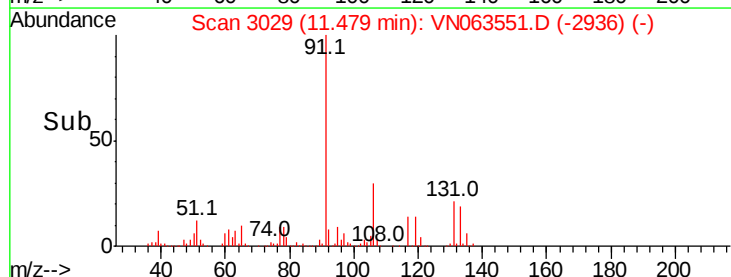
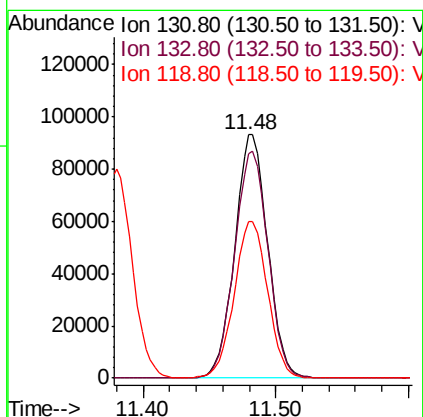
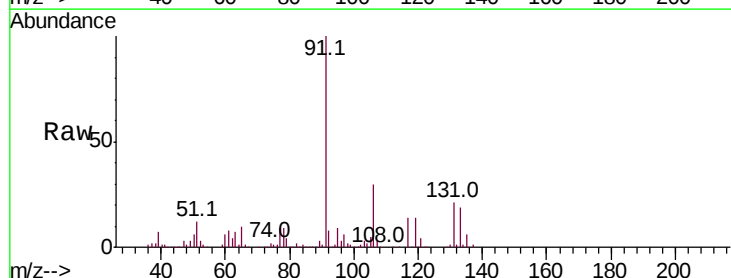
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

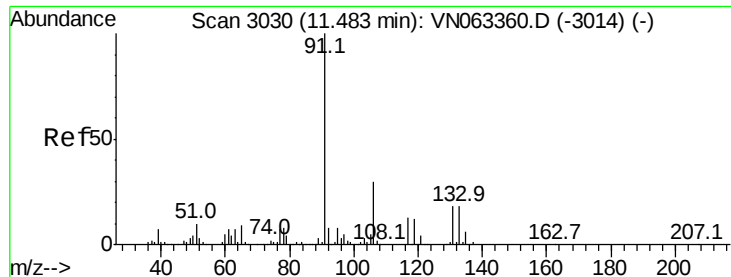
Tot Ion:112 Resp: 424844
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.988 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion:131 Resp: 160456
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 65.6 33.6 100.8





#67

Ethyl Benzene

Concen: 47.548 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

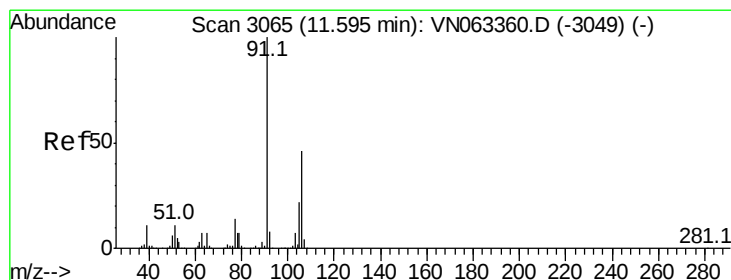
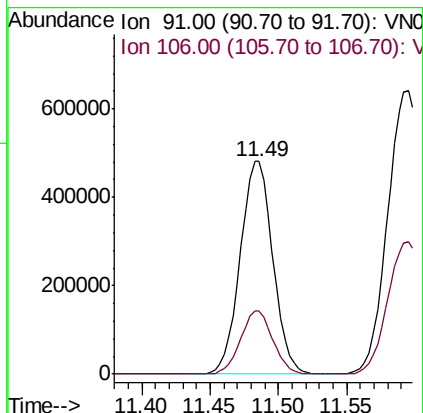
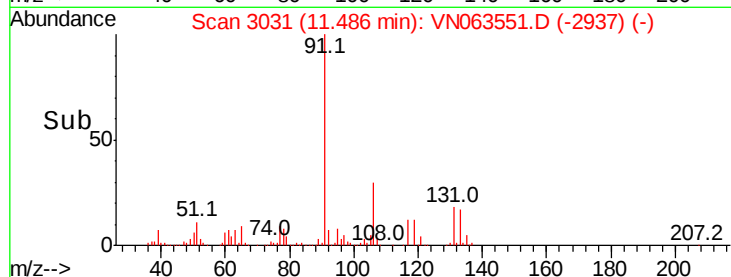
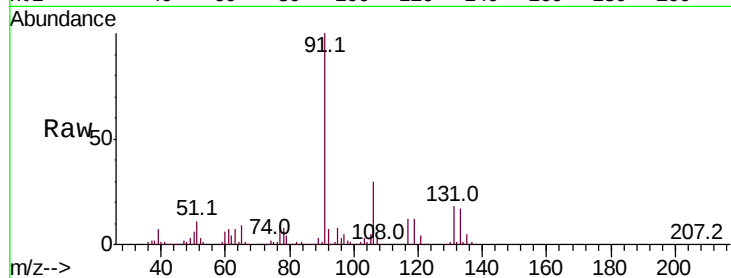
VSTDCCC050EC

Tot Ion: 91 Resp: 800094

Ion Ratio Lower Upper

91 100

106 29.5 23.8 35.6



#68

m/p-Xylenes

Concen: 95.552 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063551.D

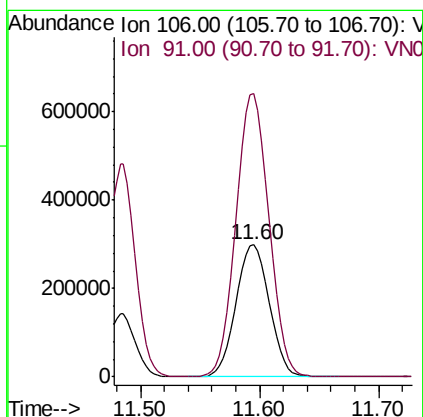
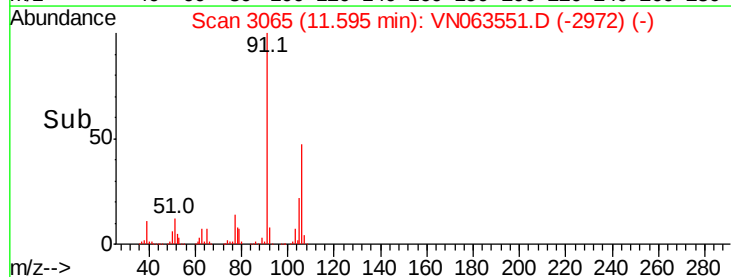
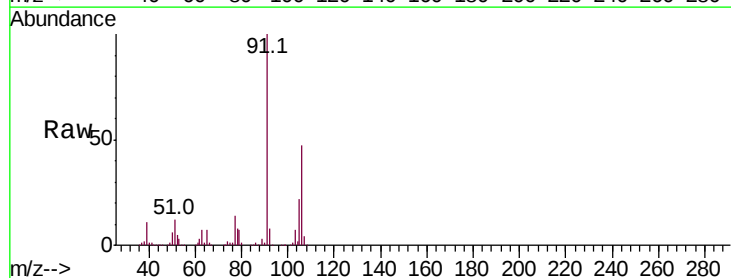
Acq: 22 Sep 2020 22:30

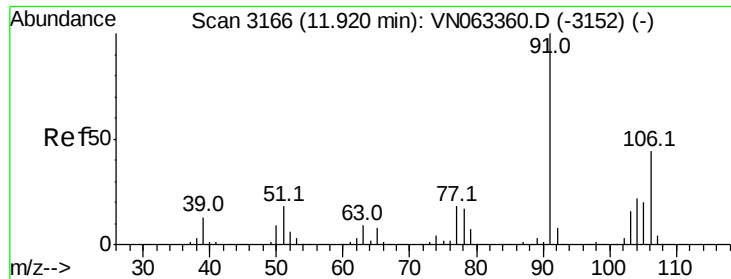
Tgt Ion: 106 Resp: 579717

Ion Ratio Lower Upper

106 100

91 212.4 171.2 256.8

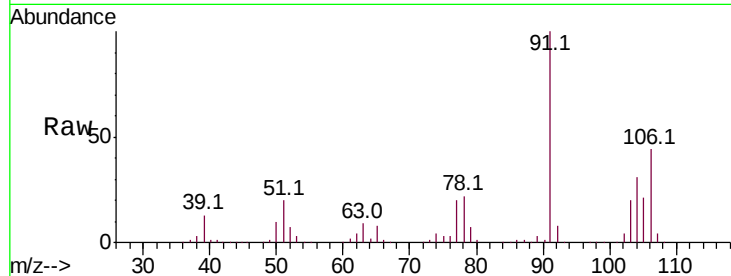




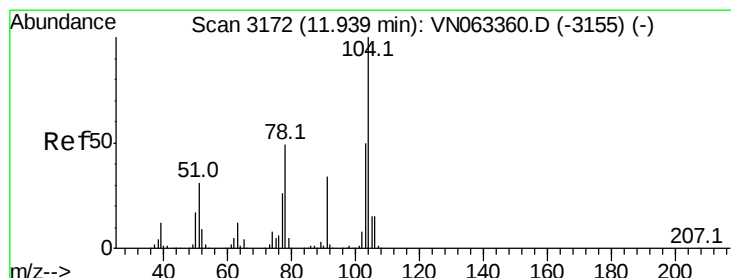
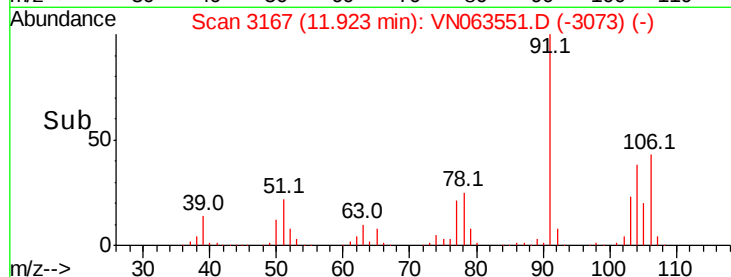
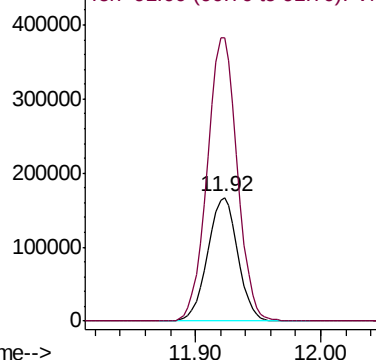
#69
o-Xylene
Concen: 48.291 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 279096
Ion Ratio Lower Upper
106 100
91 227.7 113.6 340.8

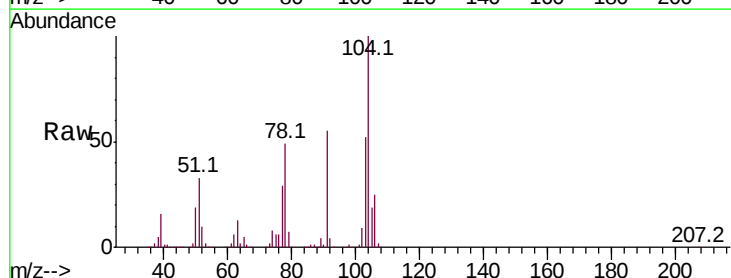


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

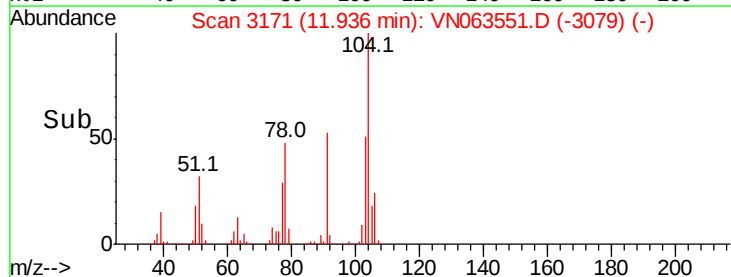
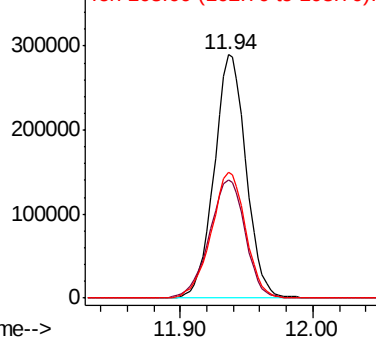


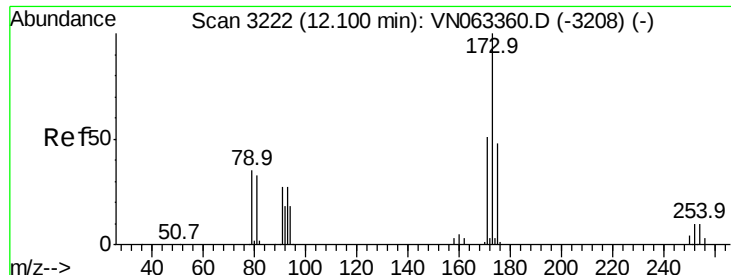
#70
Styrene
Concen: 49.843 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion:104 Resp: 483078
Ion Ratio Lower Upper
104 100
78 54.5 44.4 66.6
103 55.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 47.679 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

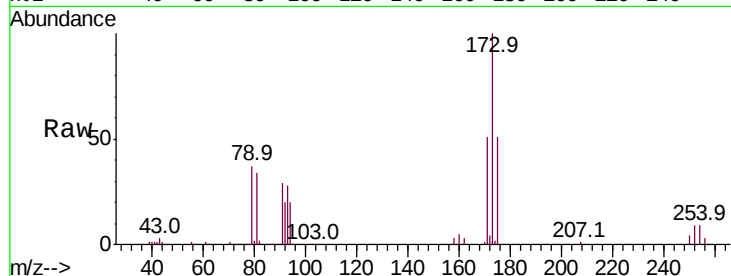
Tot Ion:173 Resp: 116342

Ion Ratio Lower Upper

173 100

175 50.1 24.0 72.0

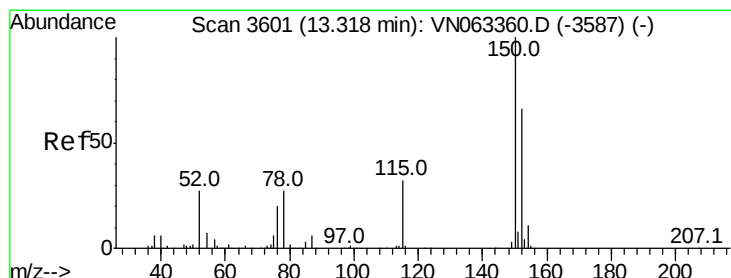
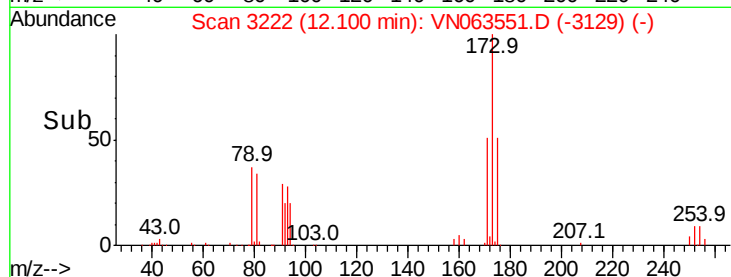
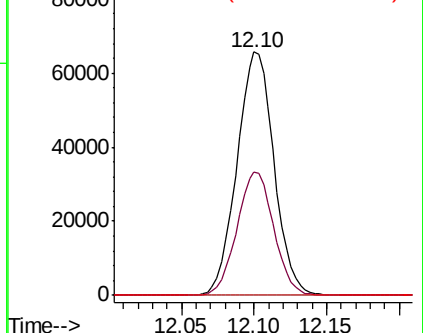
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

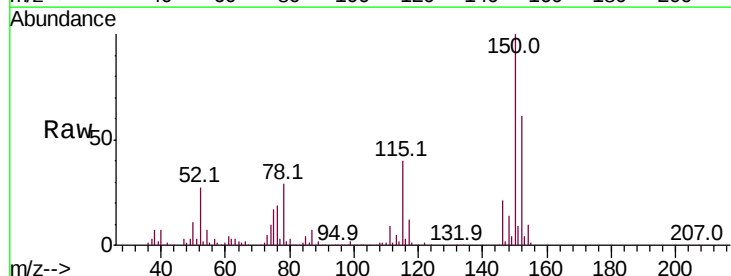
Tgt Ion:152 Resp: 198860

Ion Ratio Lower Upper

152 100

115 66.6 32.2 96.6

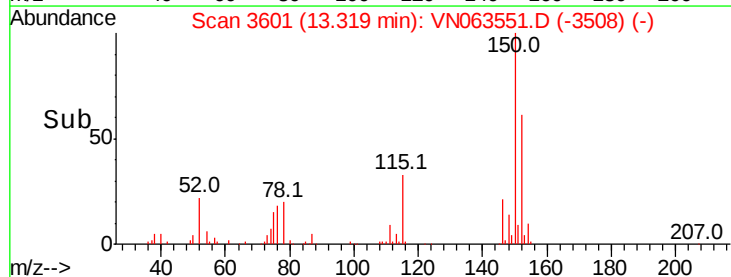
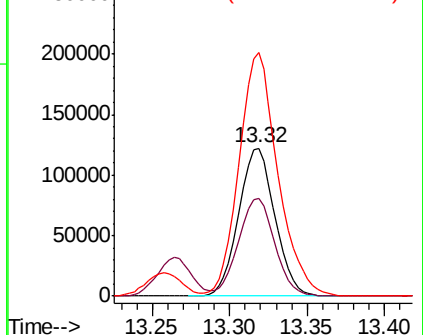
150 176.0 0.0 343.4

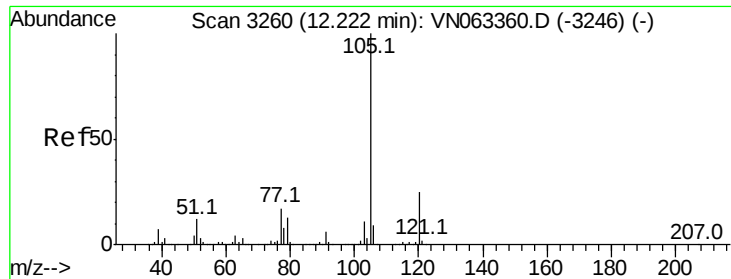


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.540 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

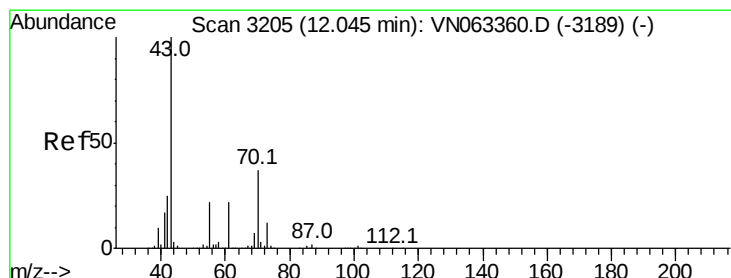
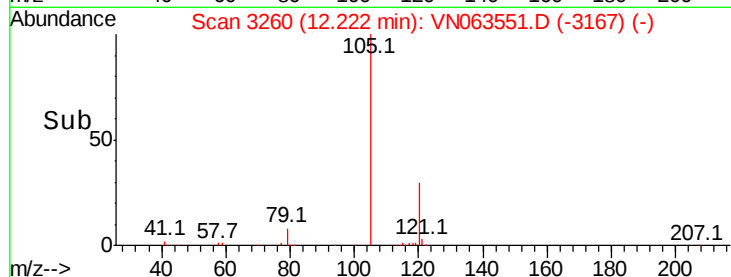
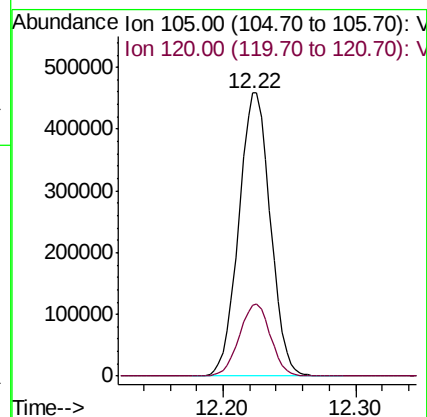
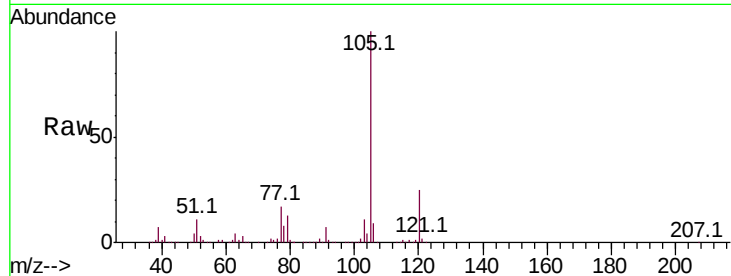
VSTDCCC050EC

Tot Ion:105 Resp: 757566

Ion Ratio Lower Upper

105 100

120 25.3 12.7 38.0



#74

N-ethyl acetate

Concen: 44.121 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion: 43 Resp: 332825

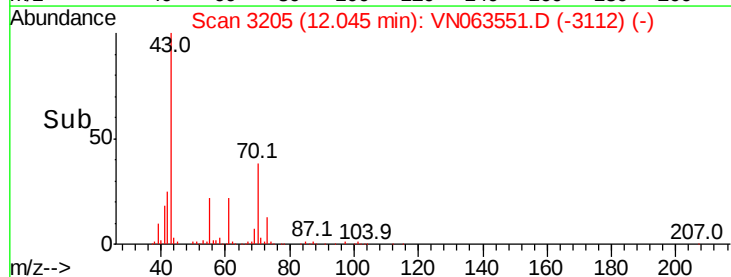
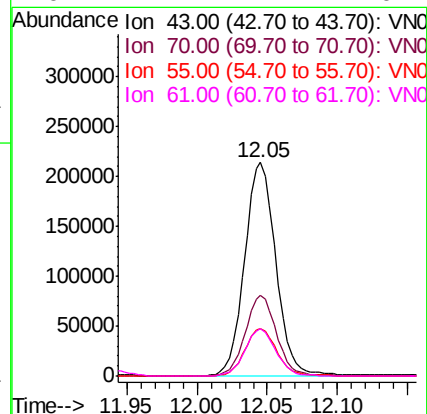
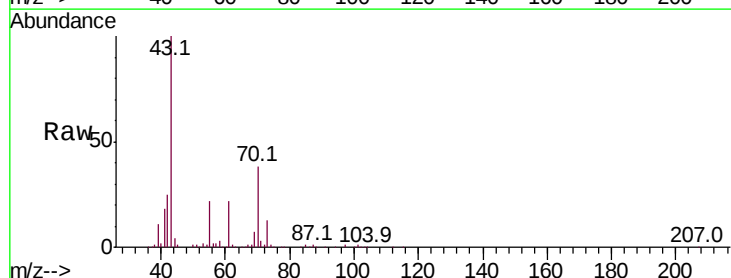
Ion Ratio Lower Upper

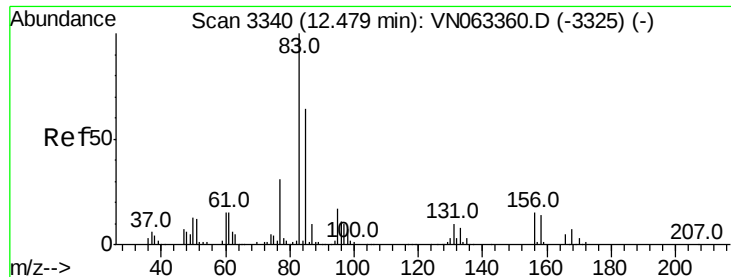
43 100

70 37.8 29.6 44.4

55 22.8 17.7 26.5

61 22.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.355 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

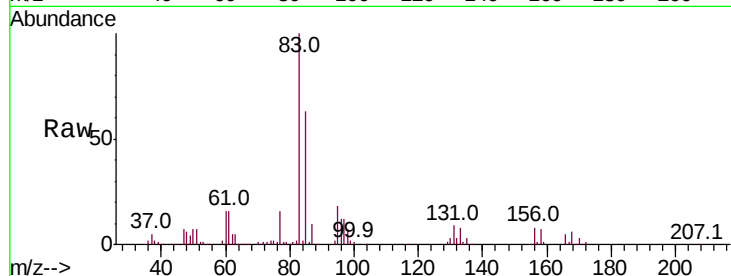
Tot Ion: 83 Resp: 228722

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

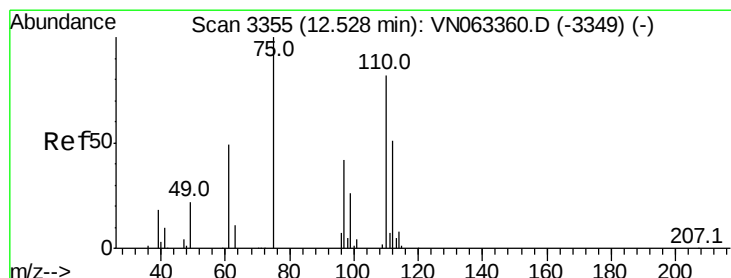
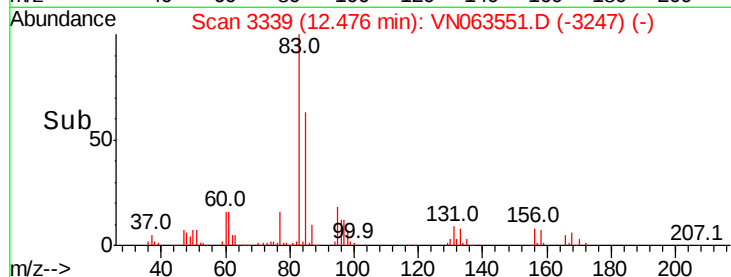
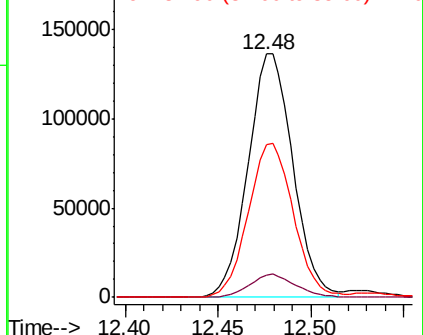
85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 63.478 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063551.D

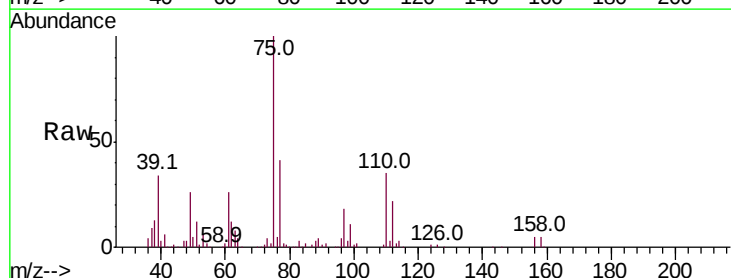
Acq: 22 Sep 2020 22:30

Tgt Ion: 75 Resp: 312441

Ion Ratio Lower Upper

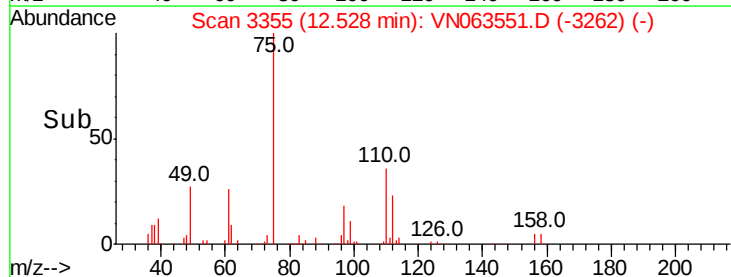
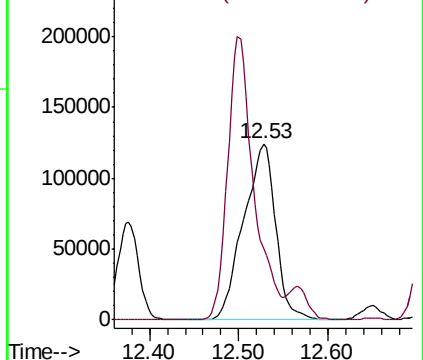
75 100

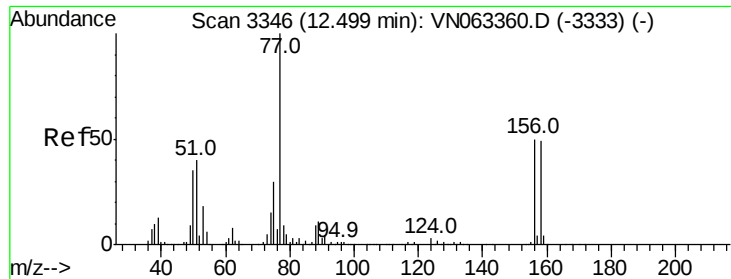
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.812 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

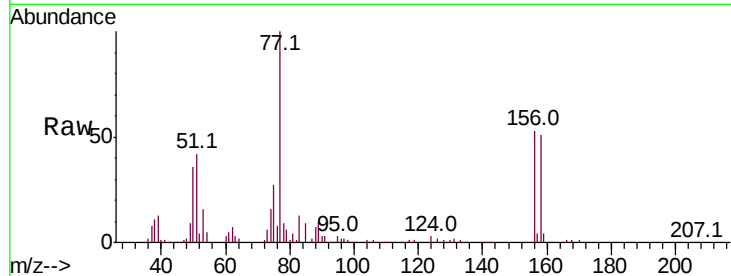
Tot Ion:156 Resp: 178555

Ion Ratio Lower Upper

156 100

77 229.4 120.2 360.6

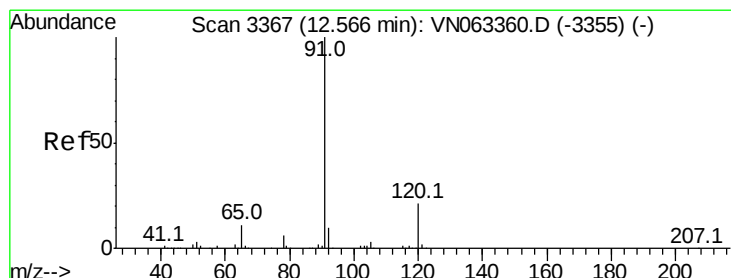
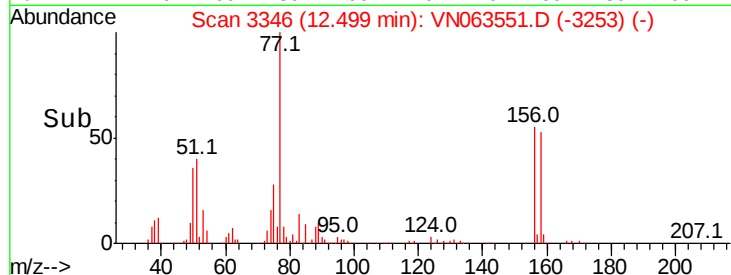
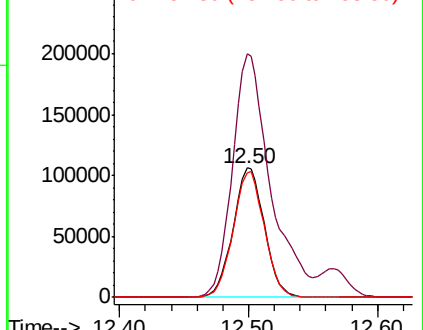
158 97.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.685 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063551.D

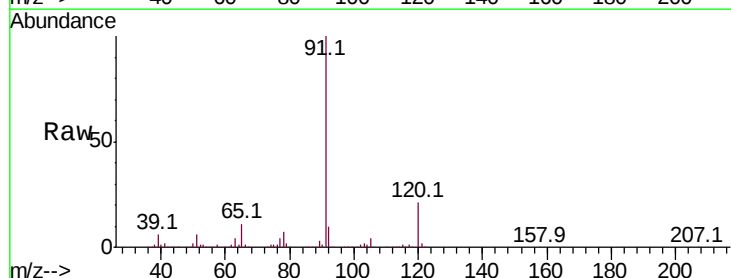
Acq: 22 Sep 2020 22:30

Tgt Ion: 91 Resp: 885060

Ion Ratio Lower Upper

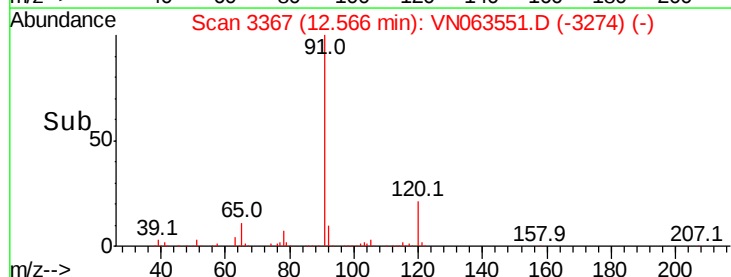
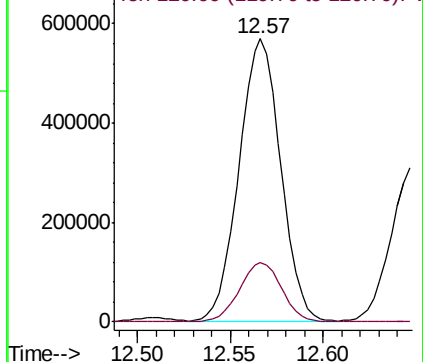
91 100

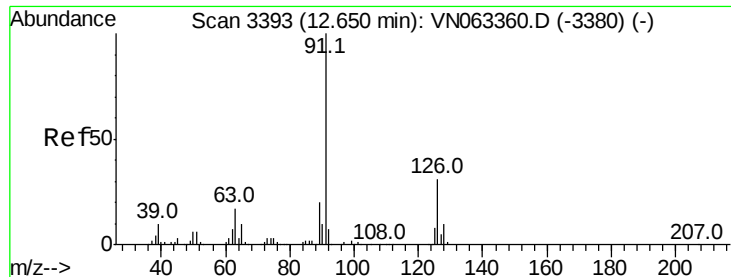
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.900 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

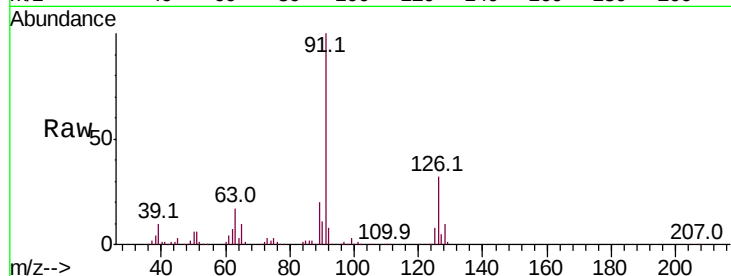
VSTDCCC050EC

Tot Ion: 91 Resp: 532936

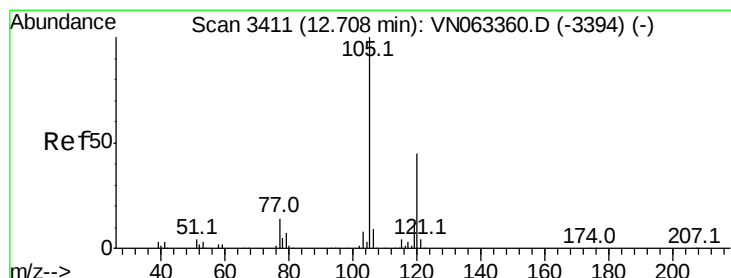
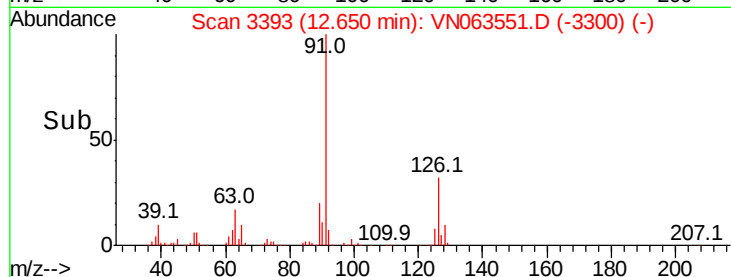
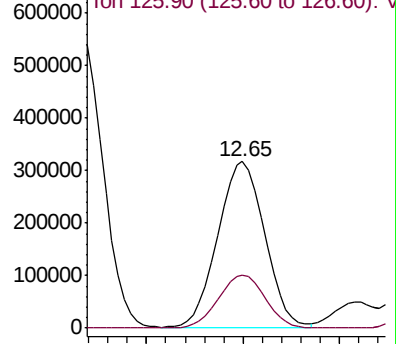
Ion Ratio Lower Upper

91 100

126 32.0 15.8 47.3



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



#80

1,3,5-Trimethylbenzene

Concen: 48.782 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063551.D

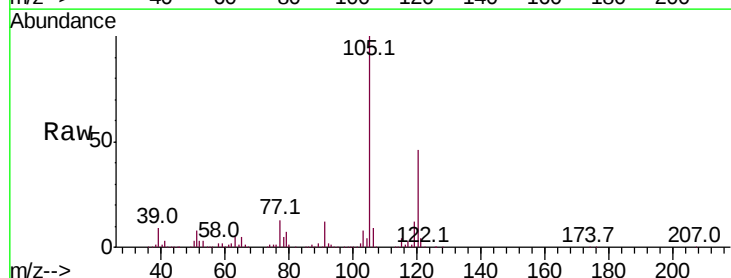
Acq: 22 Sep 2020 22:30

Tgt Ion:105 Resp: 648229

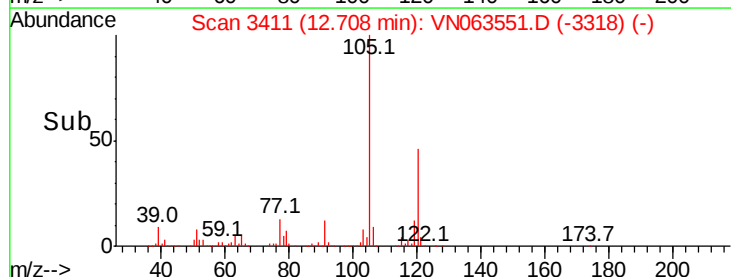
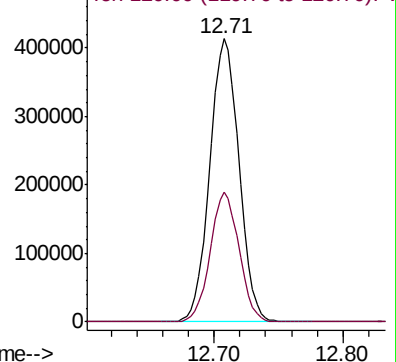
Ion Ratio Lower Upper

105 100

120 45.4 22.9 68.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 42.127 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

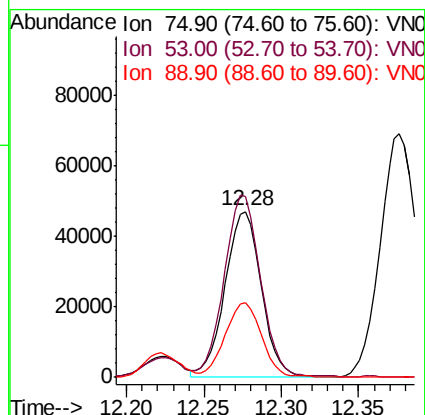
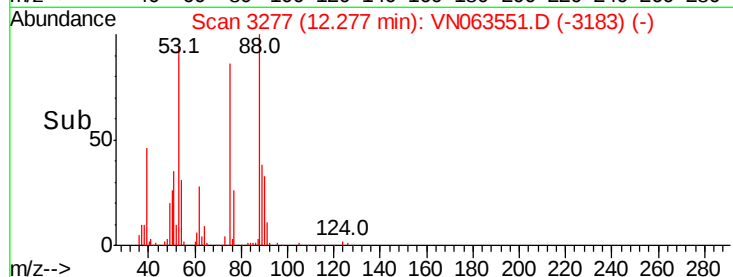
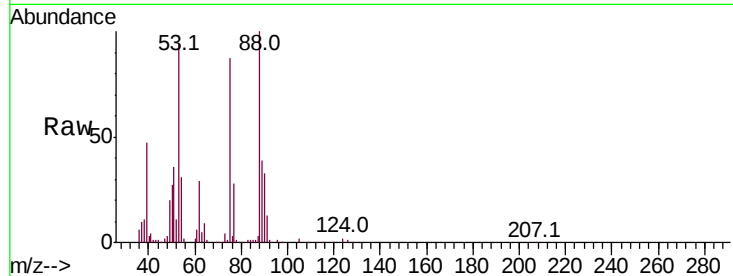
Tot Ion: 75 Resp: 75631

Ion Ratio Lower Upper

75 100

53 111.7 85.7 128.5

89 45.7 38.0 57.0



#82

4-Chlorotoluene

Concen: 47.867 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN063551.D

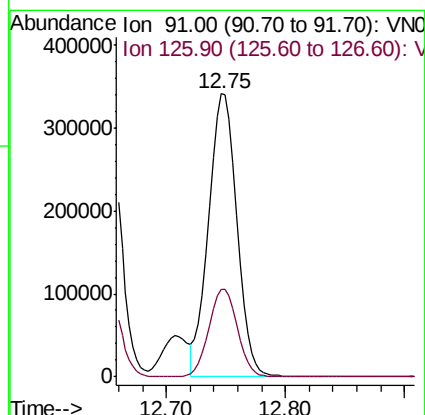
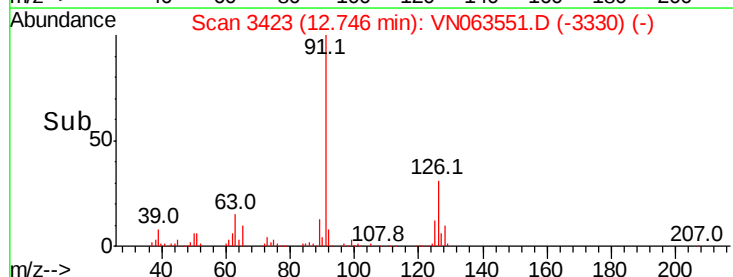
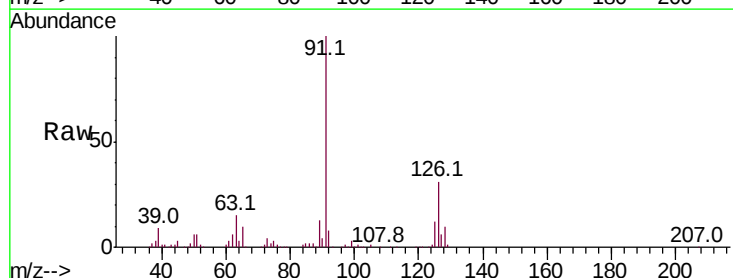
Acq: 22 Sep 2020 22:30

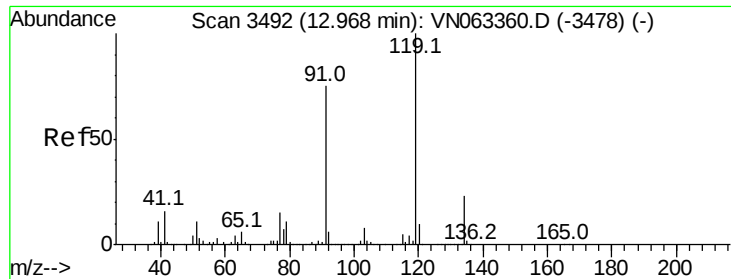
Tgt Ion: 91 Resp: 562697

Ion Ratio Lower Upper

91 100

126 31.5 15.5 46.5

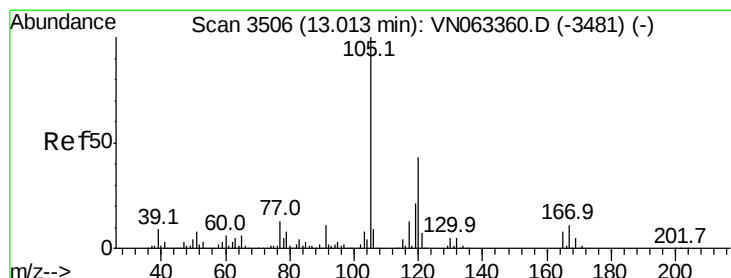
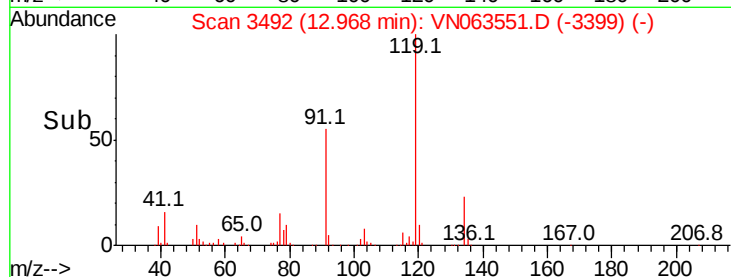
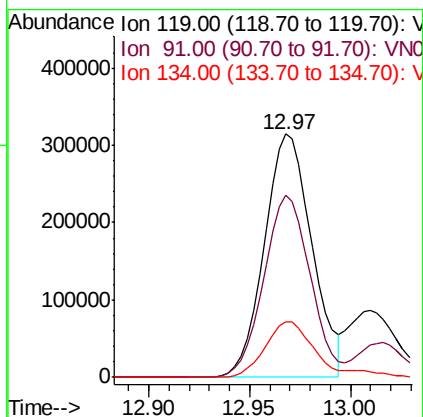
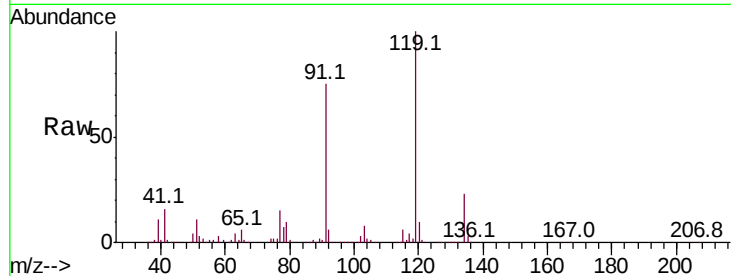




#83
tert-Butylbenzene
Concen: 46.982 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

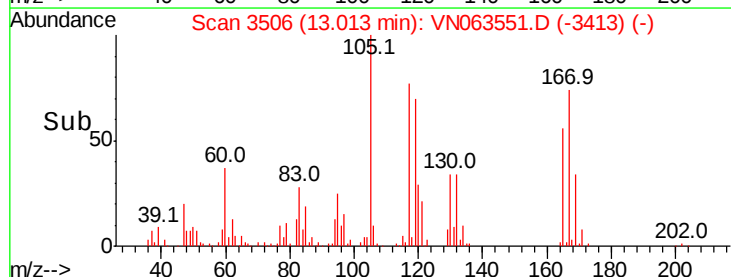
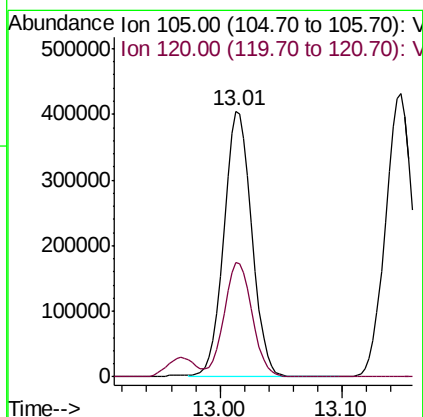
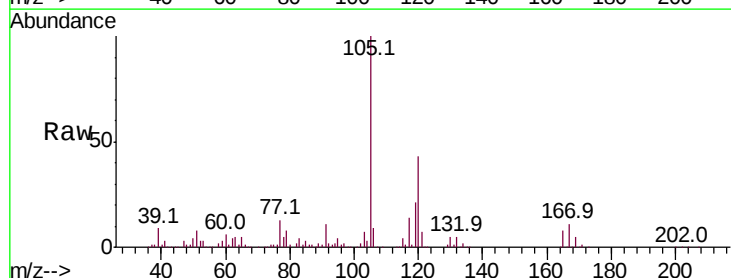
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

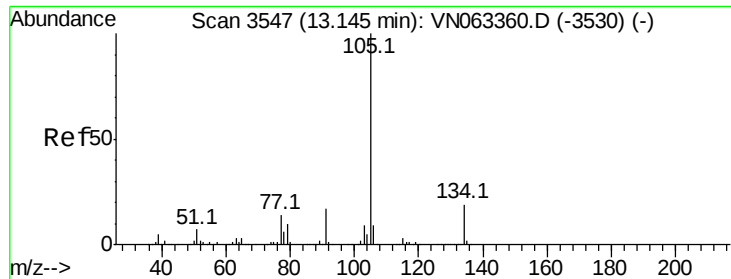
Tot Ion:119 Resp: 515267
Ion Ratio Lower Upper
119 100
91 73.1 36.3 108.9
134 22.9 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 48.265 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion:105 Resp: 647816
Ion Ratio Lower Upper
105 100
120 43.3 21.3 63.9

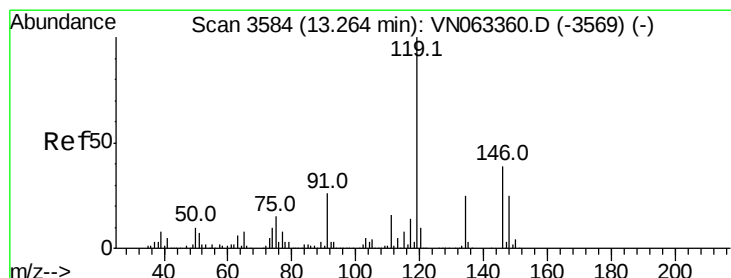
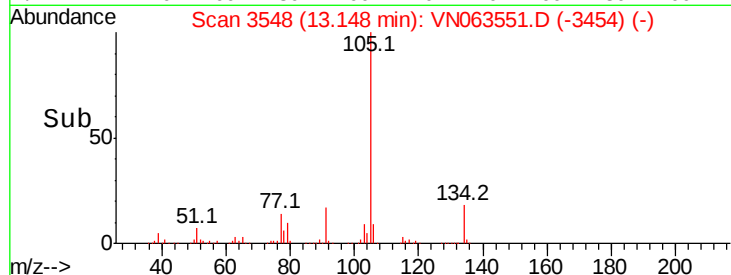
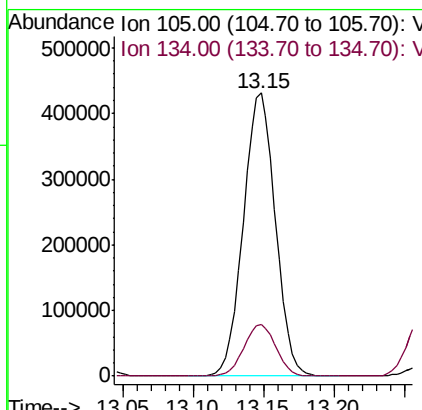
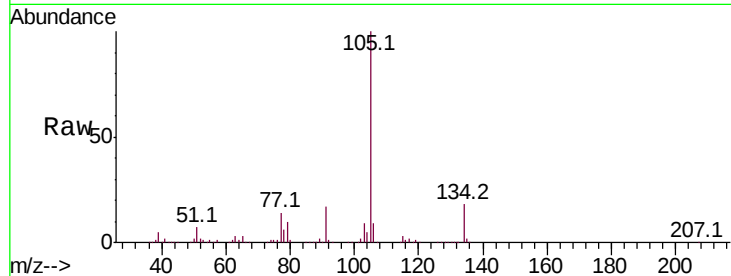




#85
 sec-Butylbenzene
 Concen: 46.607 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

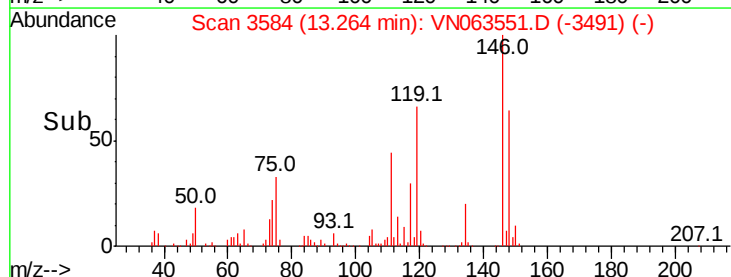
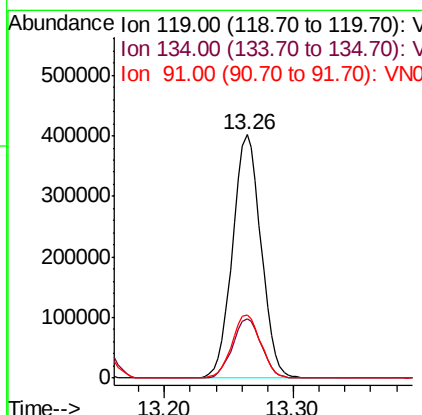
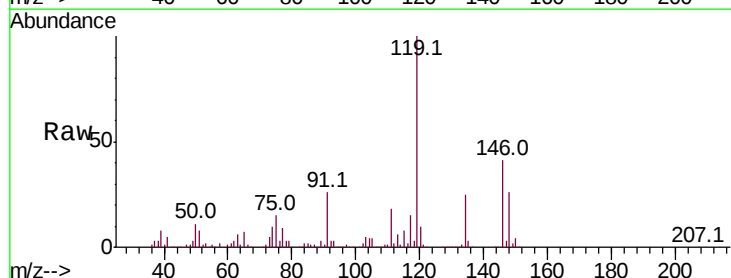
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

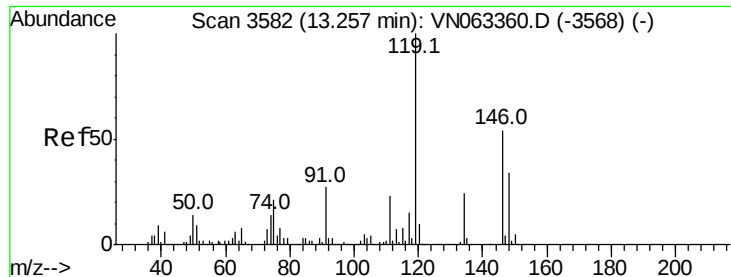
Tot Ion:105 Resp: 684214
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 47.444 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion:119 Resp: 614316
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 26.4 13.4 40.1





#87

1,3-Dichlorobenzene

Concen: 48.349 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

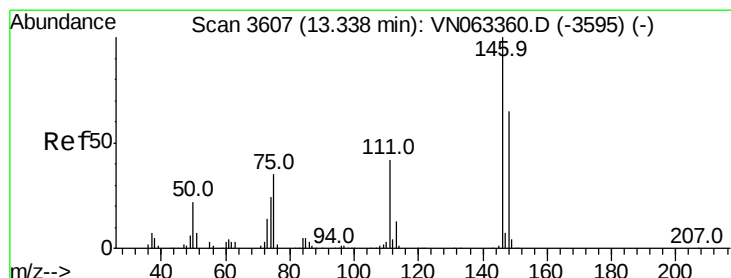
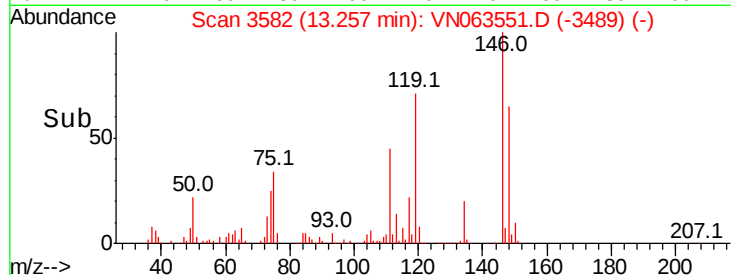
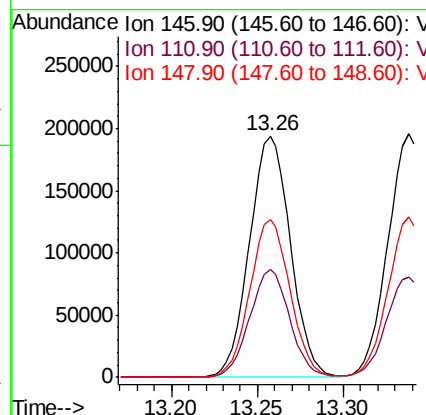
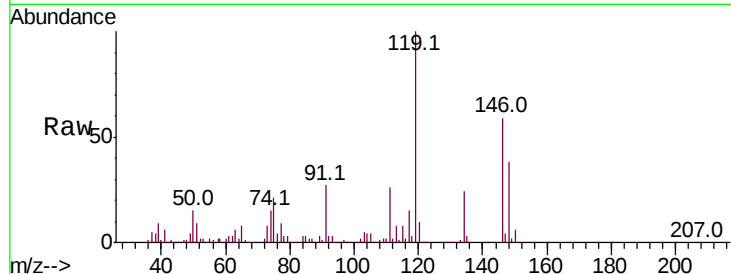
Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 321225

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	64.2	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 47.565 ug/l

RT: 13.34 min Scan# 3607

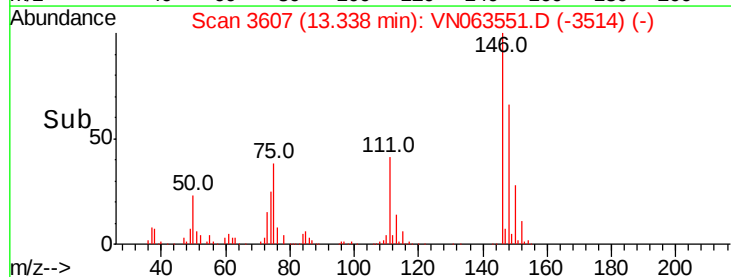
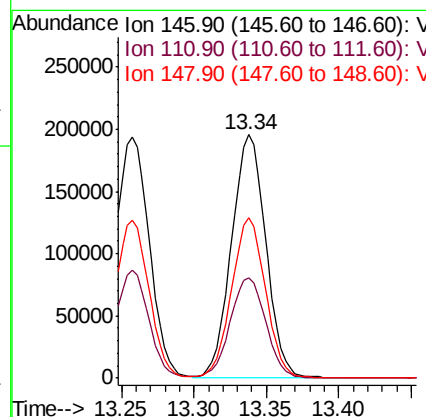
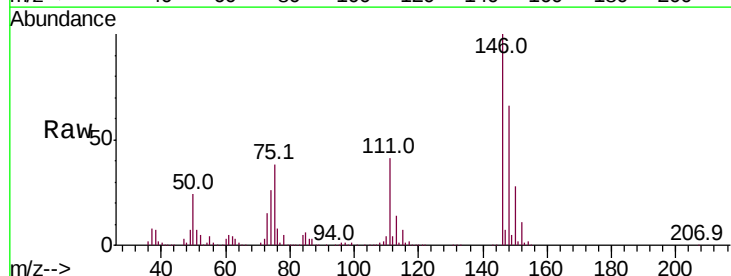
Delta R.T. 0.00 min

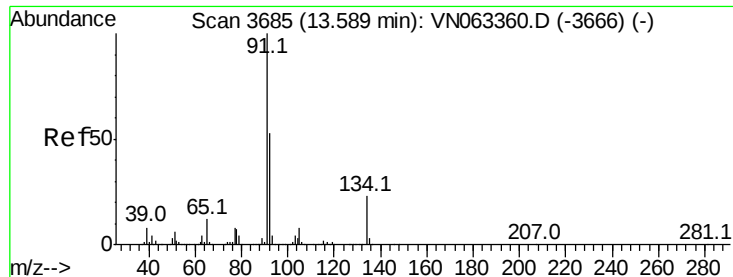
Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:146 Resp: 321296

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.2	63.6
148	65.0	31.9	95.9





#89

n-Butylbenzene

Concen: 46.077 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

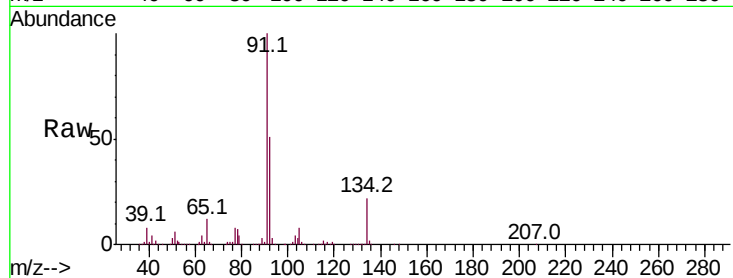
Tot Ion: 91 Resp: 549938

Ion Ratio Lower Upper

91 100

92 50.6 26.0 78.0

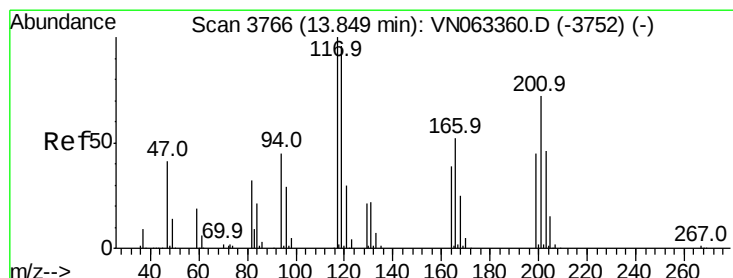
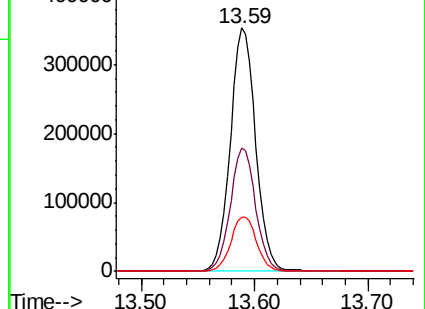
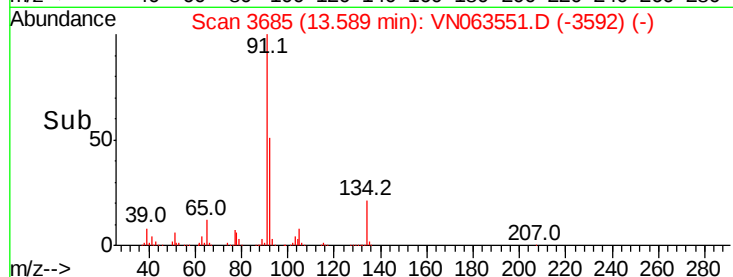
134 22.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3666) (-)

Ion 92.00 (91.70 to 92.70): VN063360.D (-3666) (-)

Ion 134.00 (133.70 to 134.70): VN063360.D (-3666) (-)



#90

Hexachloroethane

Concen: 45.193 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063551.D

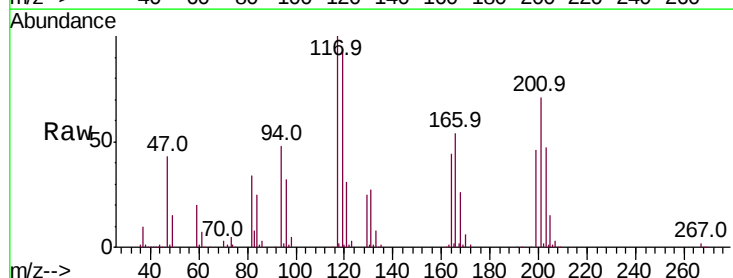
Acq: 22 Sep 2020 22:30

Tgt Ion: 117 Resp: 111427

Ion Ratio Lower Upper

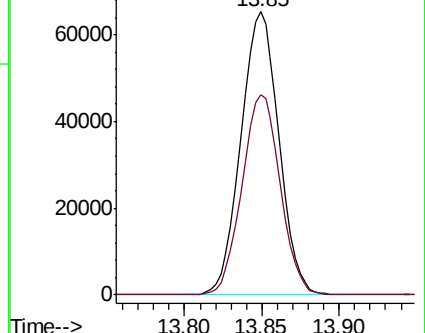
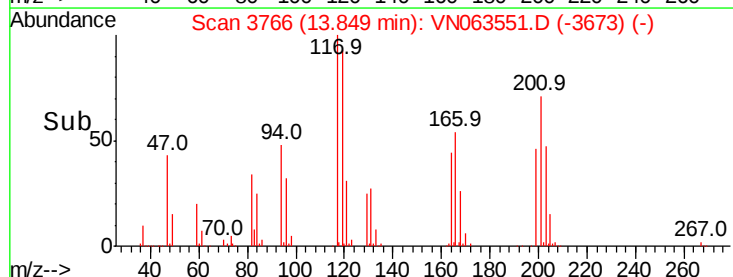
117 100

201 71.1 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN063360.D (-3752) (-)

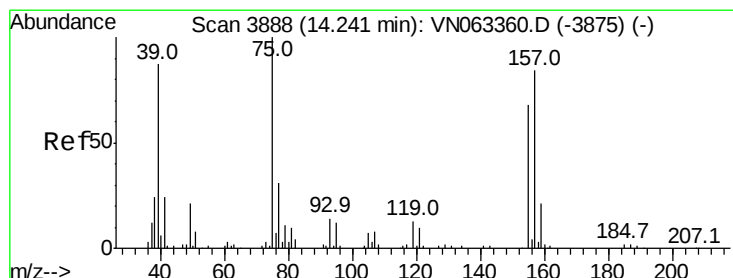
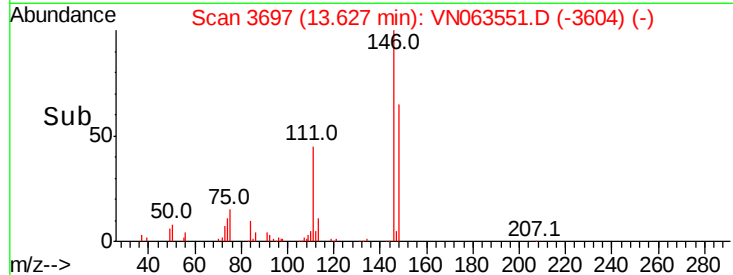
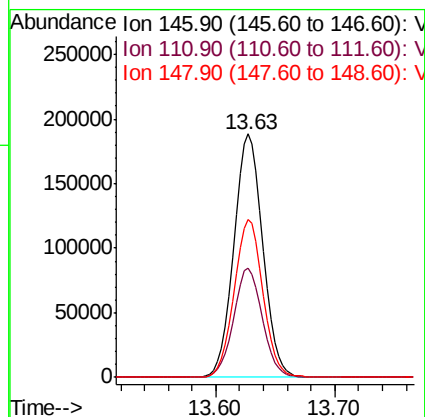
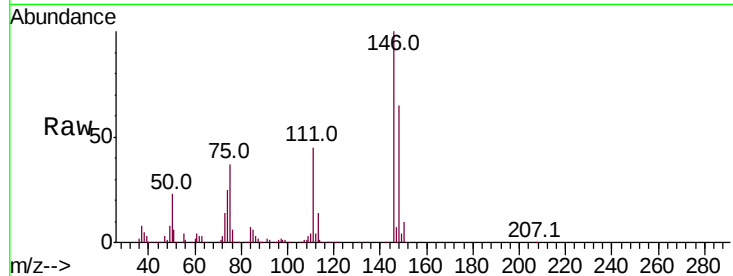




#91
 1,2-Dichlorobenzene
 Concen: 48.561 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

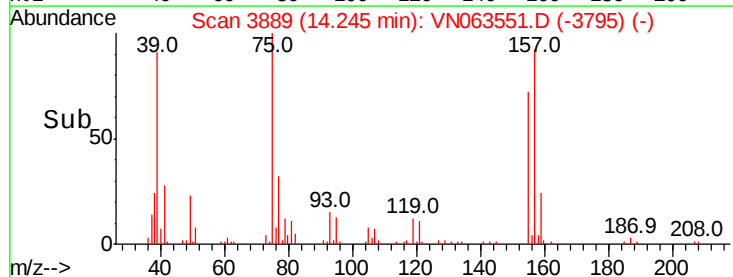
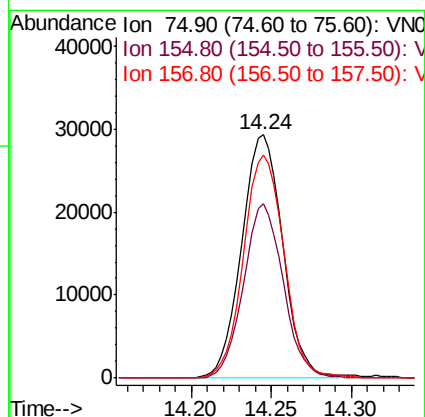
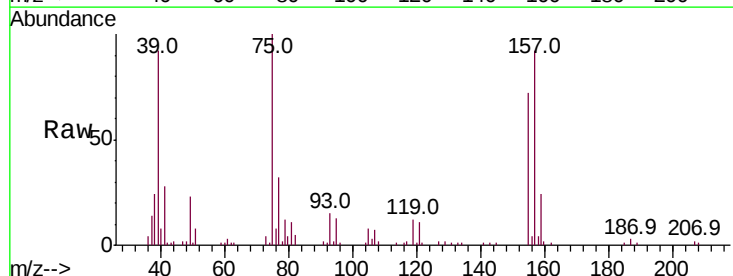
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

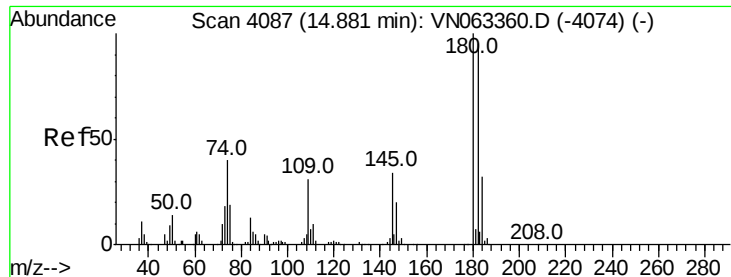
Tot Ion:146 Resp: 316757
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.4 67.2
 148 64.6 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.624 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion: 75 Resp: 51256
 Ion Ratio Lower Upper
 75 100
 155 69.2 34.6 103.9
 157 90.5 43.7 131.1

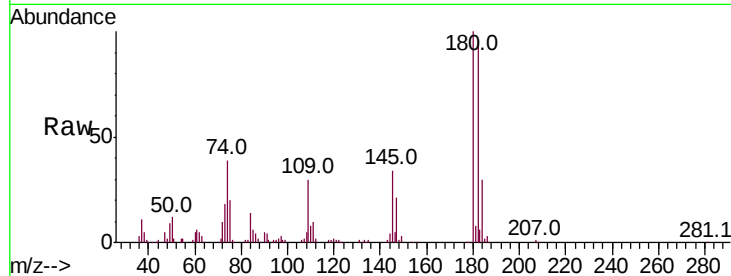




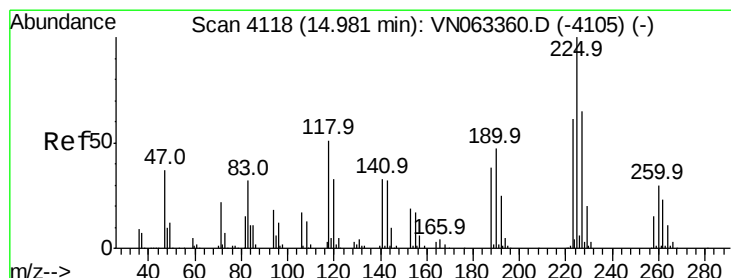
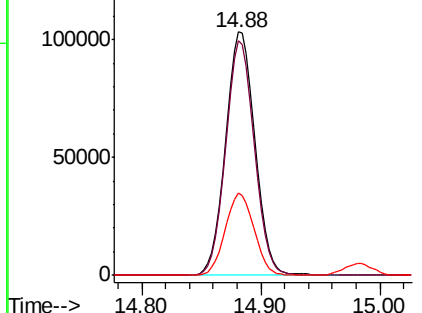
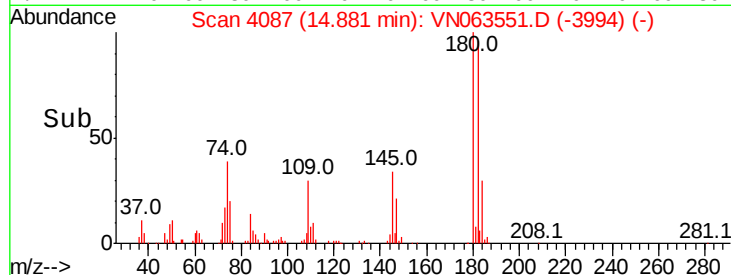
#93
 1,2,4-Trichlorobenzene
 Concen: 45.874 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 176408
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.3 142.0
 145 33.1 16.6 49.7

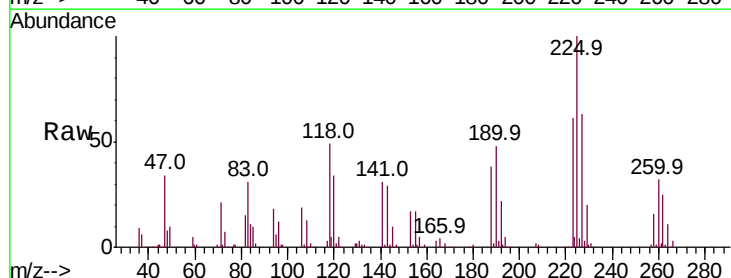


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

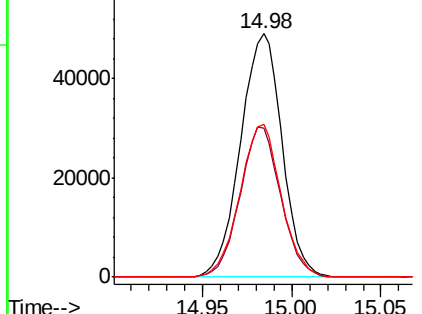
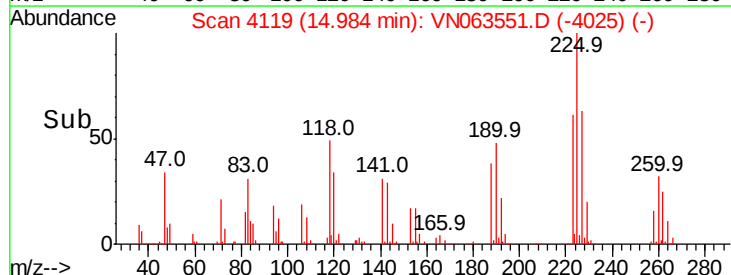


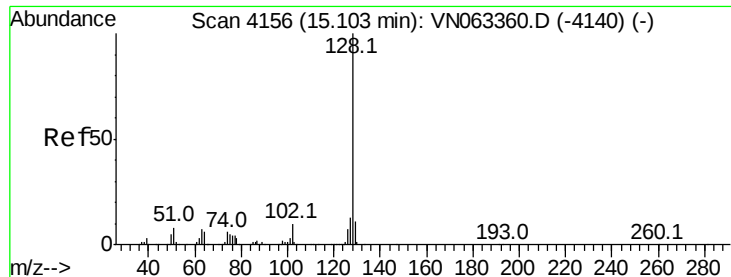
#94
 Hexachlorobutadiene
 Concen: 50.146 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion:225 Resp: 79832
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.6 91.6
 227 62.3 31.2 93.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.810 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

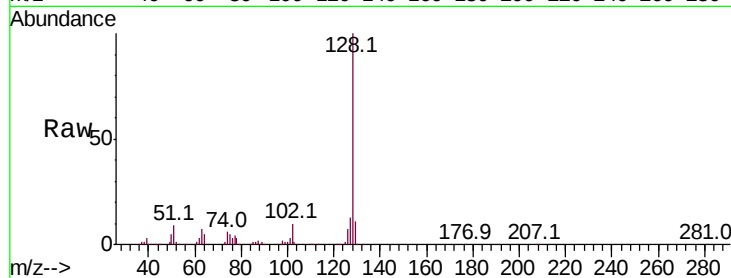
Tot Ion:128 Resp: 569300

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

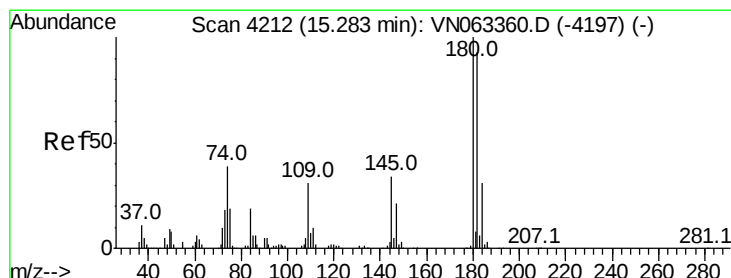
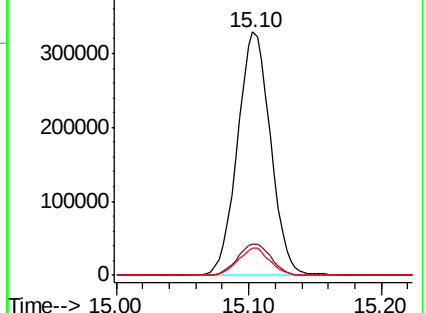
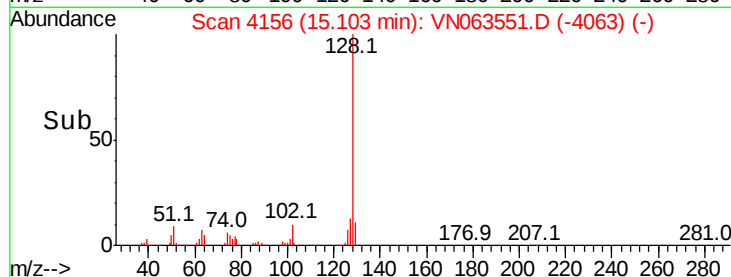
129 10.9 8.8 13.2



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: 45.436 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

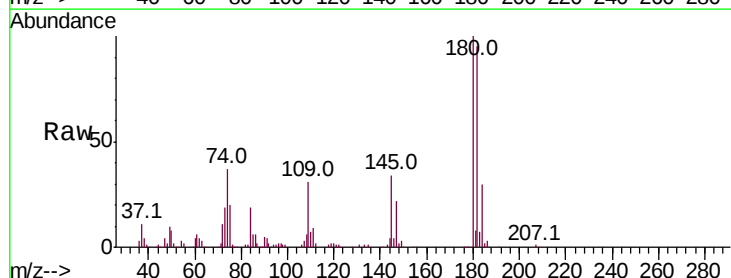
Tgt Ion:180 Resp: 168819

Ion Ratio Lower Upper

180 100

182 95.1 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

