

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063437.D
 Acq On : 17 Sep 2020 23:11
 Operator : JC/MD
 Sample : VN0917MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Quant Time: Sep 18 04:56:23 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	254253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	455382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190642	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	207492	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.55	113	144138	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
50) Toluene-d8	10.06	98	553477	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	12.38	95	204994	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	56131	19.487	ug/l	99
3) Chloromethane	2.04	50	73807	19.369	ug/l	98
4) Vinyl Chloride	2.17	62	69929	20.713	ug/l	97
5) Bromomethane	2.54	94	44513	22.206	ug/l	97
6) Chloroethane	2.68	64	41211	19.886	ug/l	99
7) Trichlorofluoromethane	2.99	101	106011	21.046	ug/l	97
8) Diethyl Ether	3.38	74	38729	19.724	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56139	19.818	ug/l	99
10) Methyl Iodide	3.92	142	73419	19.907	ug/l	99
11) Tert butyl alcohol	4.73	59	53261	88.829	ug/l	100
12) 1,1-Dichloroethene	3.70	96	56682	19.755	ug/l	97
13) Acrolein	3.57	56	20915	94.127	ug/l	97
14) Allyl chloride	4.28	41	96906	17.075	ug/l	88
15) Acrylonitrile	4.93	53	147967	97.018	ug/l	99
16) Acetone	3.78	43	137523	98.869	ug/l	99
17) Carbon Disulfide	4.02	76	158814	19.029	ug/l	100
18) Methyl Acetate	4.28	43	73105	20.703	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	206283	19.290	ug/l	97
20) Methylene Chloride	4.51	84	69265	19.654	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	60870	19.148	ug/l	98
22) Diisopropyl ether	5.90	45	227160	19.625	ug/l	92
23) Vinyl Acetate	5.85	43	930813	97.918	ug/l	100
24) 1,1-Dichloroethane	5.80	63	126754	20.058	ug/l	97
25) 2-Butanone	6.78	43	207383	96.941	ug/l	99
26) 2,2-Dichloropropane	6.78	77	89352	16.060	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	72338	20.105	ug/l	99
28) Bromochloromethane	7.15	49	56829	19.477	ug/l	99
29) Tetrahydrofuran	7.17	42	135587	92.799	ug/l	99
30) Chloroform	7.33	83	126834	20.005	ug/l	99
31) Cyclohexane	7.62	56	110961	18.563	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	111701	19.808	ug/l	100
36) 1,1-Dichloropropene	7.76	75	92709	19.110	ug/l	99
37) Ethyl Acetate	6.88	43	90588	19.025	ug/l	99
38) Carbon Tetrachloride	7.74	117	96673	19.521	ug/l	97

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

39) Methylcyclohexane	9.05	83	96568	18.340	ug/l	95
40) Benzene	8.00	78	270712	19.547	ug/l	98
41) Methacrylonitrile	7.13	41	43340	20.238	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	108226	19.432	ug/l	100
43) Isopropyl Acetate	8.13	43	156577	18.390	ug/l	99
44) Trichloroethene	8.80	130	67097	19.975	ug/l	97
45) 1,2-Dichloropropane	9.09	63	74154	19.660	ug/l	100
46) Dibromomethane	9.18	93	49648	20.027	ug/l	98
47) Bromodichloromethane	9.37	83	101237	19.657	ug/l	98
48) Methyl methacrylate	9.17	41	77101	18.432	ug/l	98
49) 1,4-Dioxane	9.16	88	22214	370.057	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	456467	95.767	ug/l	100
52) Toluene	10.13	92	165516	19.878	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	103757	18.046	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	114804	18.930	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	64568	19.523	ug/l	96
56) Ethyl methacrylate	10.40	69	97901	18.961	ug/l	98
57) 1,3-Dichloropropane	10.68	76	116144	19.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	239770	88.525	ug/l	99
59) 2-Hexanone	10.72	43	325436	94.243	ug/l	100
60) Dibromochloromethane	10.87	129	70541	18.879	ug/l	99
61) 1,2-Dibromoethane	10.98	107	66582	19.377	ug/l	96
64) Tetrachloroethene	10.60	164	61147	21.708	ug/l	96
65) Chlorobenzene	11.41	112	174438	19.865	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	64223	19.952	ug/l	100
67) Ethyl Benzene	11.49	91	327945	19.831	ug/l	98
68) m/p-Xylenes	11.59	106	236259	39.625	ug/l	99
69) o-Xylene	11.92	106	114090	20.087	ug/l	99
70) Styrene	11.94	104	186519	19.582	ug/l	97
71) Bromoform	12.10	173	46487	19.386	ug/l #	98
73) Isopropylbenzene	12.23	105	307720	20.143	ug/l	100
74) N-amyl acetate	12.05	43	136742	18.909	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	93612	19.790	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	127126	26.941	ug/l #	100
77) Bromobenzene	12.50	156	71272	20.740	ug/l	97
78) n-propylbenzene	12.57	91	356241	20.021	ug/l	100
79) 2-Chlorotoluene	12.65	91	214621	20.122	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	259044	20.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	28717	16.685	ug/l	96
82) 4-Chlorotoluene	12.75	91	223267	19.811	ug/l	100
83) tert-Butylbenzene	12.97	119	210021	19.975	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	261184	20.298	ug/l	100
85) sec-Butylbenzene	13.15	105	281978	20.036	ug/l	100
86) p-Isopropyltoluene	13.26	119	247525	19.940	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	126538	19.867	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	130962	20.224	ug/l	97
89) n-Butylbenzene	13.59	91	225555	19.713	ug/l	98
90) Hexachloroethane	13.85	117	43961	18.599	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	125196	20.021	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19819	17.595	ug/l	99

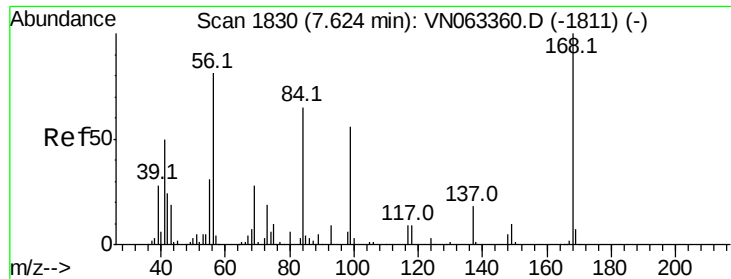
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	70341	19.081	ug/l	99
94) Hexachlorobutadiene	14.98	225	32221	21.112	ug/l	97
95) Naphthalene	15.10	128	227315	18.664	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	66899	18.781	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

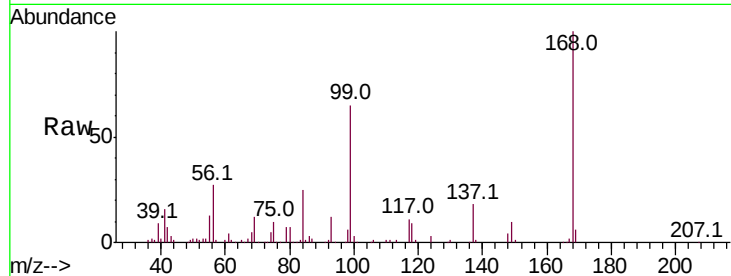
VN0917MBSD01

Tot Ion:168 Resp: 254253

Ion Ratio Lower Upper

168 100

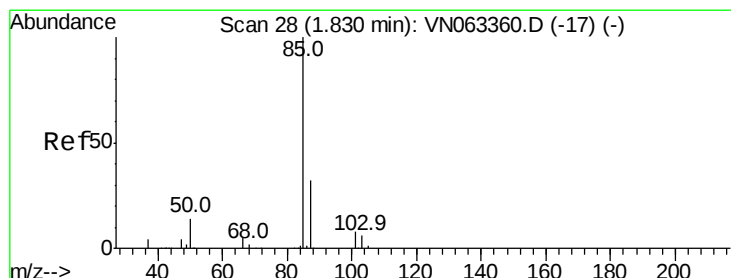
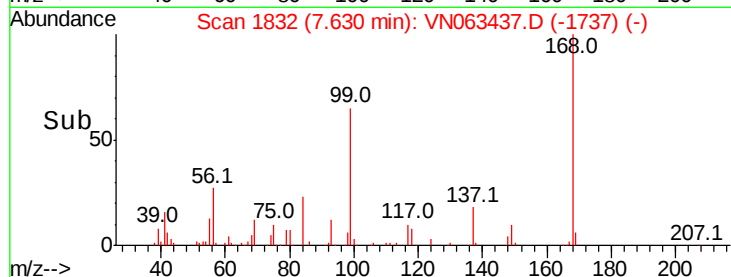
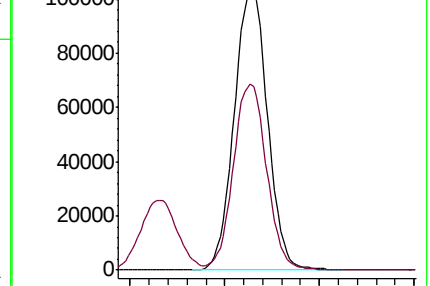
99 64.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63



#2

Dichlorodifluoromethane

Concen: 19.487 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063437.D

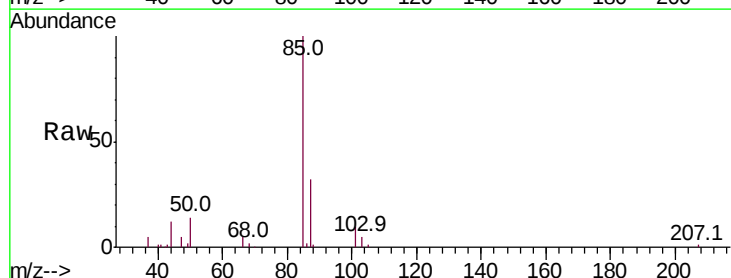
Acq: 17 Sep 2020 23:11

Tgt Ion: 85 Resp: 56131

Ion Ratio Lower Upper

85 100

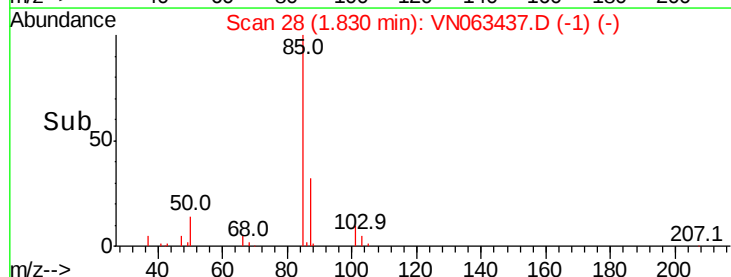
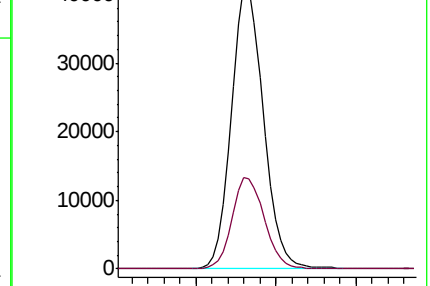
87 32.1 15.9 47.6

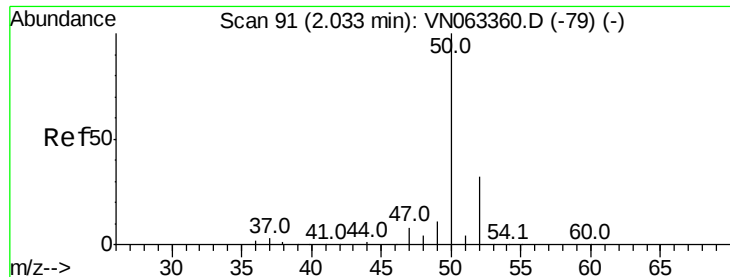


Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83





#3

Chloromethane

Concen: 19.369 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

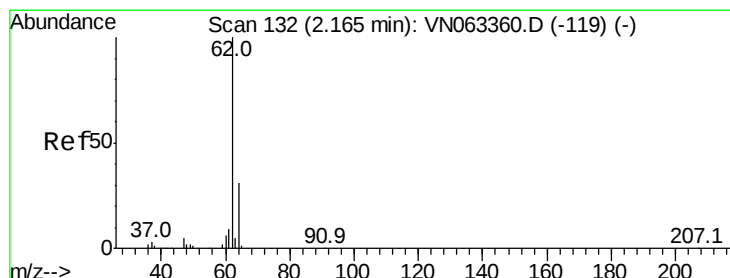
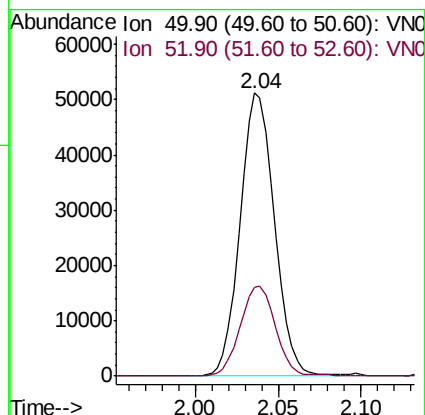
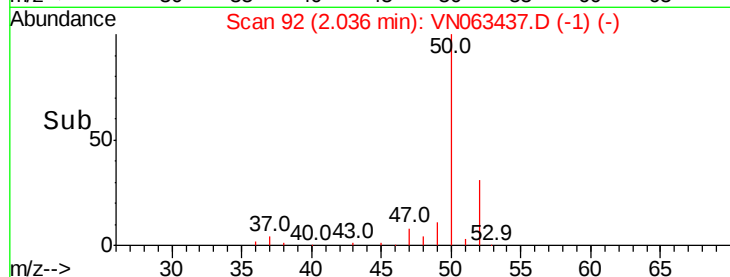
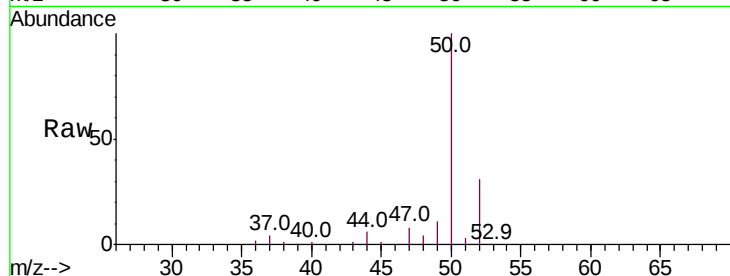
VN0917MBSD01

Tot Ion: 50 Resp: 73807

Ion Ratio Lower Upper

50 100

52 31.4 25.9 38.9



#4

Vinyl Chloride

Concen: 20.713 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063437.D

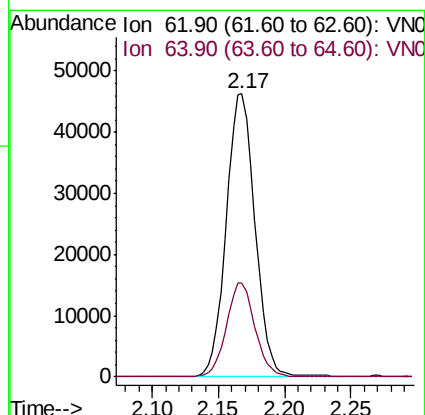
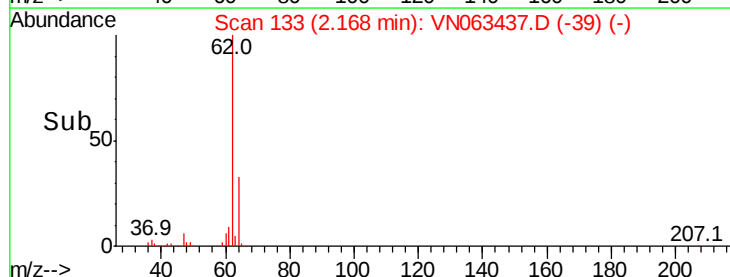
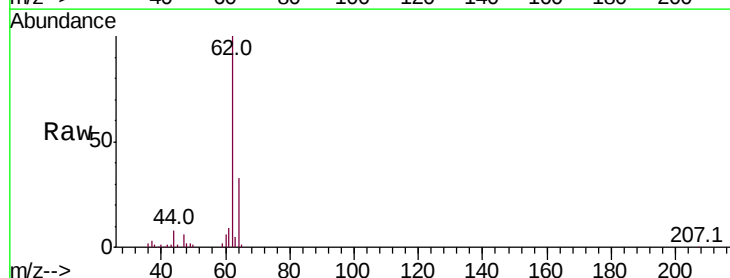
Acq: 17 Sep 2020 23:11

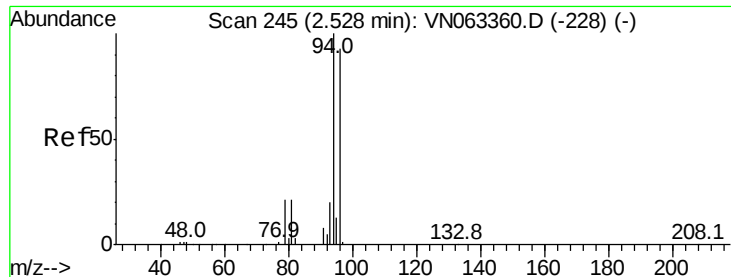
Tgt Ion: 62 Resp: 69929

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7





#5

Bromomethane

Concen: 22.206 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

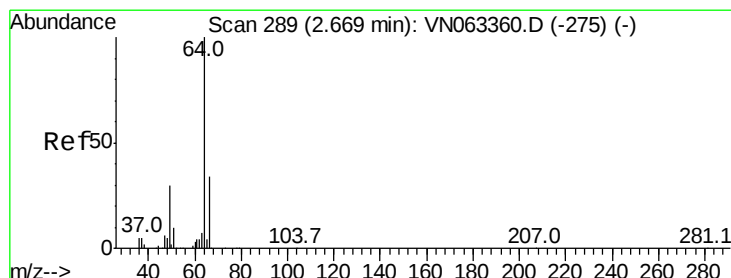
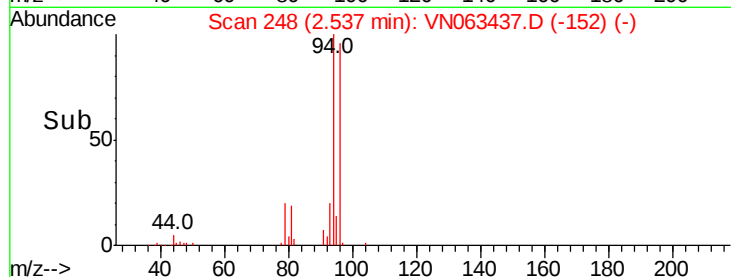
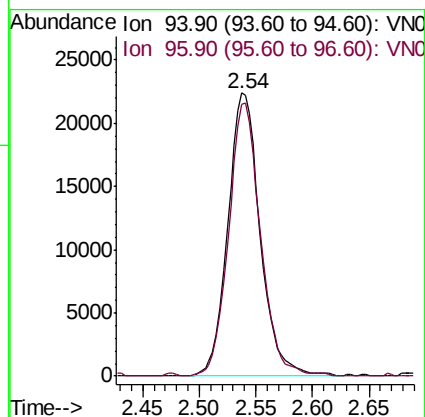
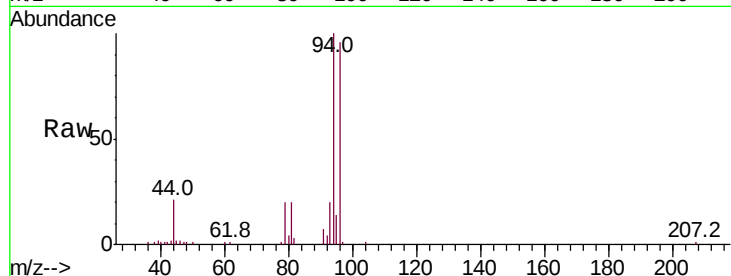
VN0917MBSD01

Tot Ion: 94 Resp: 44513

Ion Ratio Lower Upper

94 100

96 96.0 74.5 111.7



#6

Chloroethane

Concen: 19.886 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063437.D

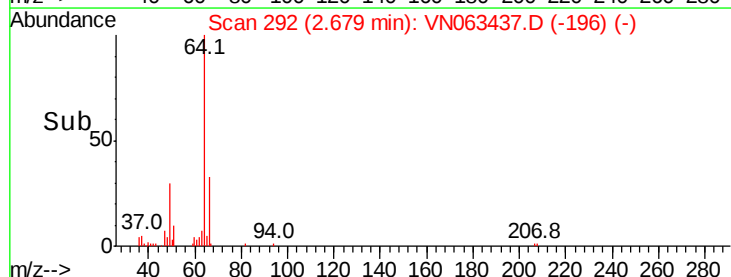
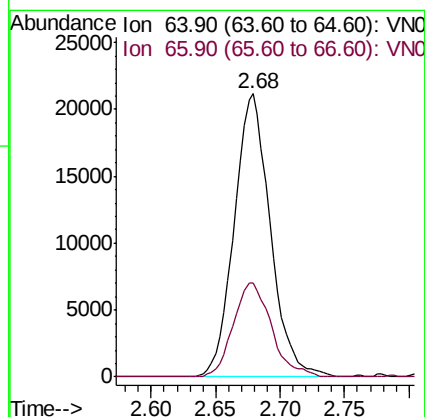
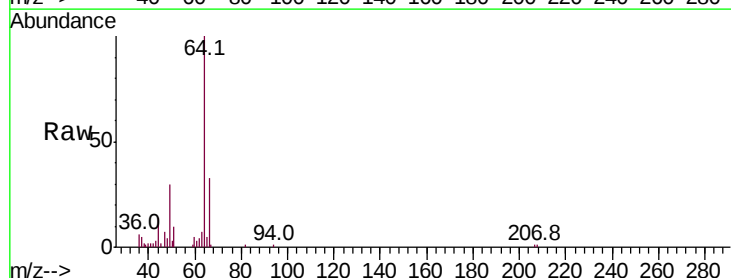
Acq: 17 Sep 2020 23:11

Tgt Ion: 64 Resp: 41211

Ion Ratio Lower Upper

64 100

66 33.2 26.9 40.3



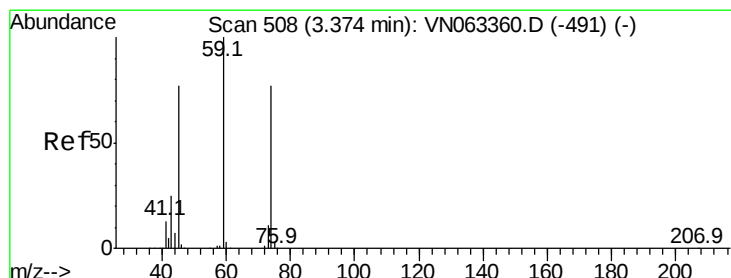
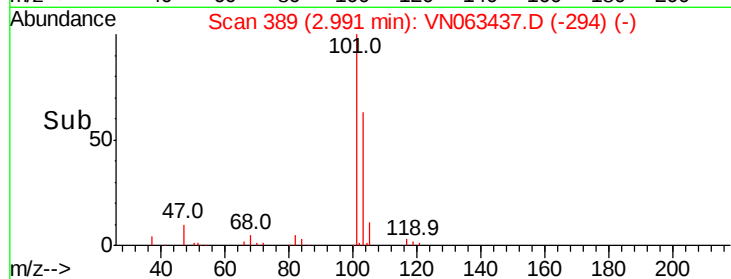
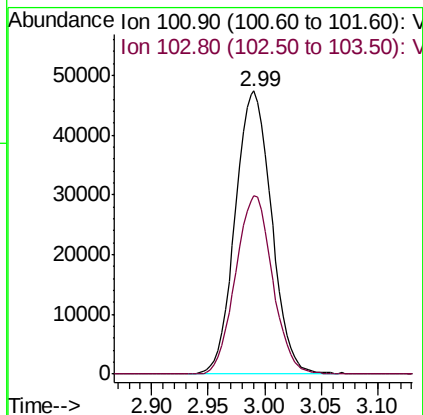
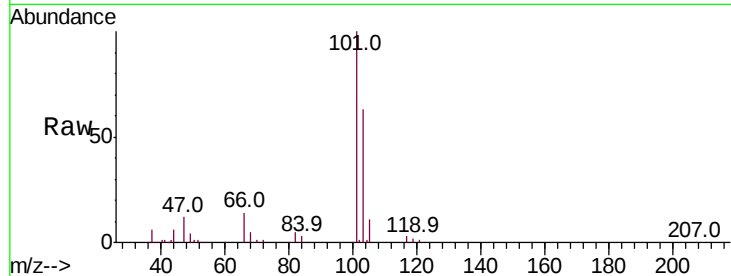


#7

Trichlorofluoromethane
 Concen: 21.046 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

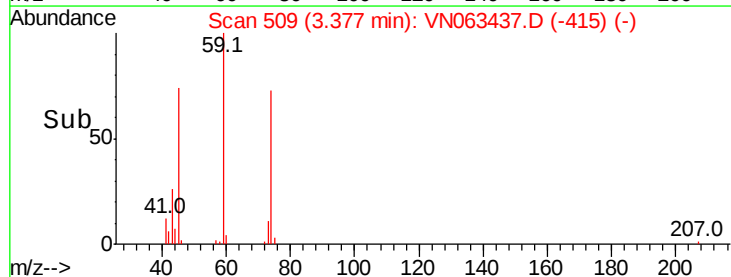
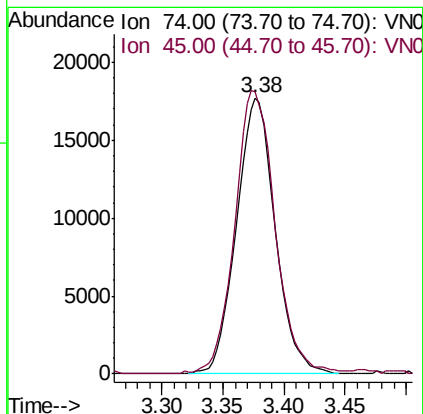
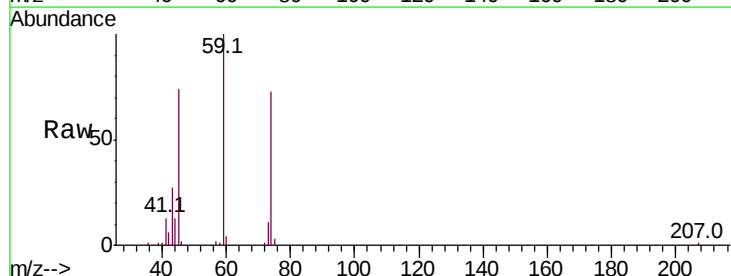
Tot Ion:101 Resp: 106011
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.3 78.5

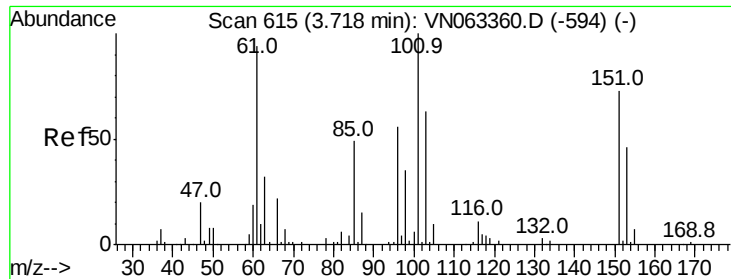


#8

Diethyl Ether
 Concen: 19.724 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion: 74 Resp: 38729
 Ion Ratio Lower Upper
 74 100
 45 107.6 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.818 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

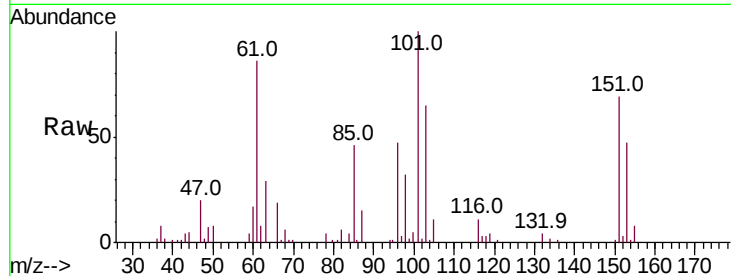
Tot Ion:101 Resp: 56139

Ion Ratio Lower Upper

101 100

85 48.5 37.7 56.5

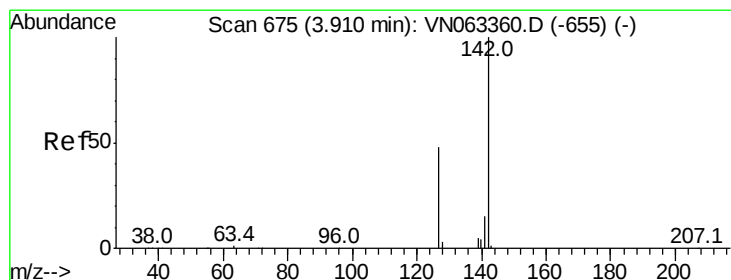
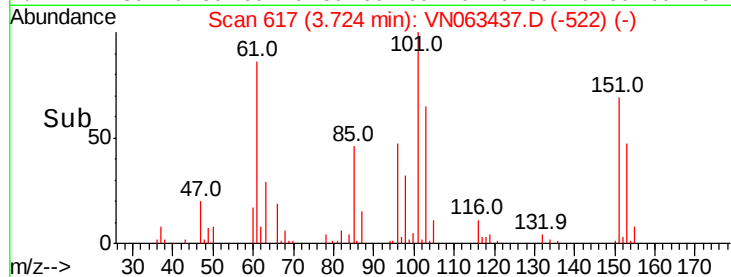
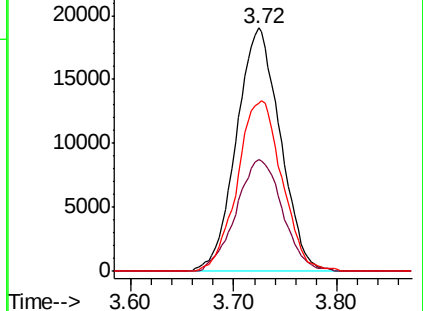
151 71.3 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.907 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

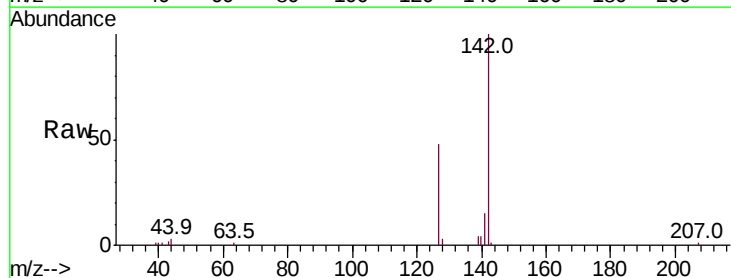
Tgt Ion:142 Resp: 73419

Ion Ratio Lower Upper

142 100

127 49.3 39.0 58.6

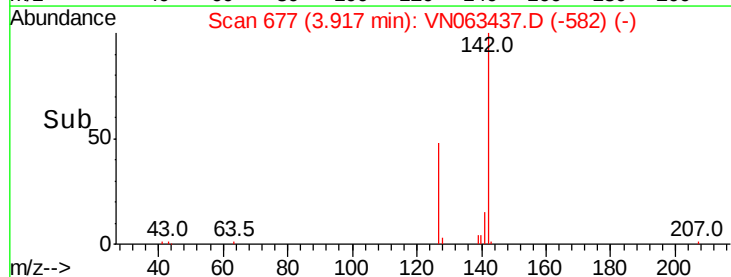
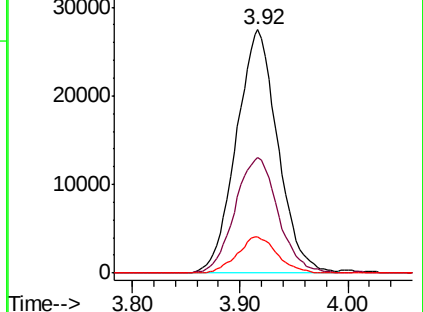
141 14.3 11.6 17.4

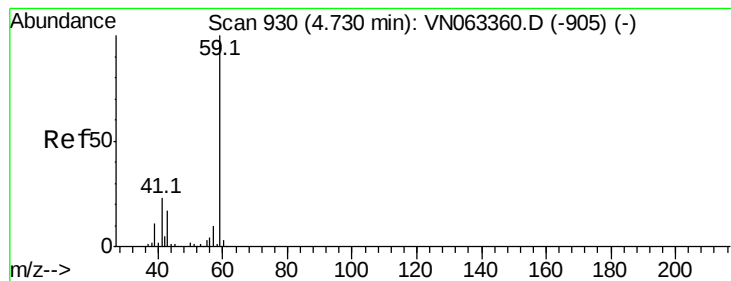


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



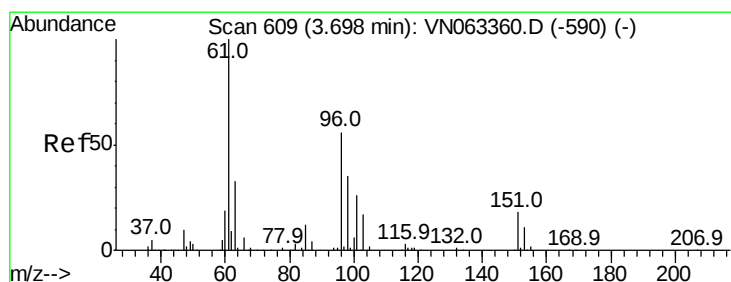
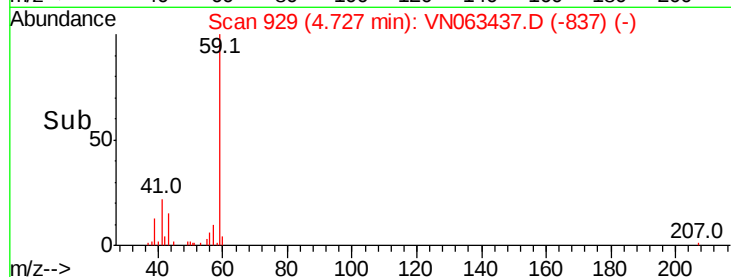
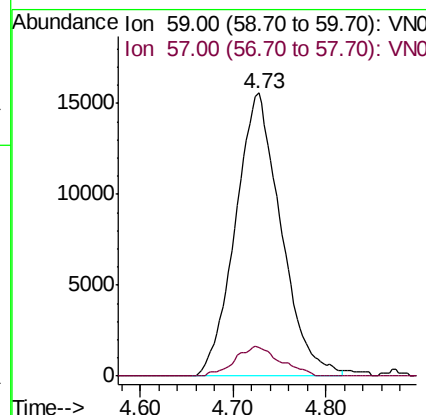
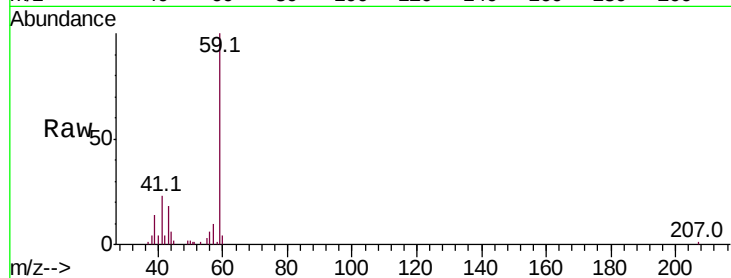


#11

Tert butyl alcohol
 Concen: 88.829 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

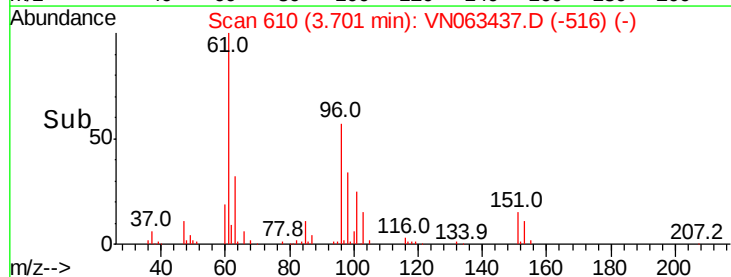
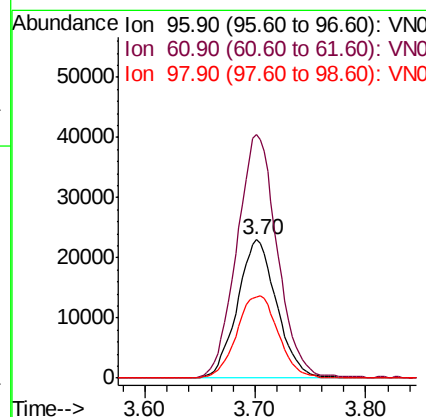
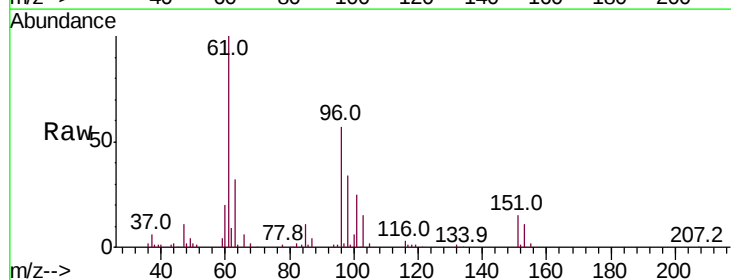
Tot Ion: 59 Resp: 53261
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

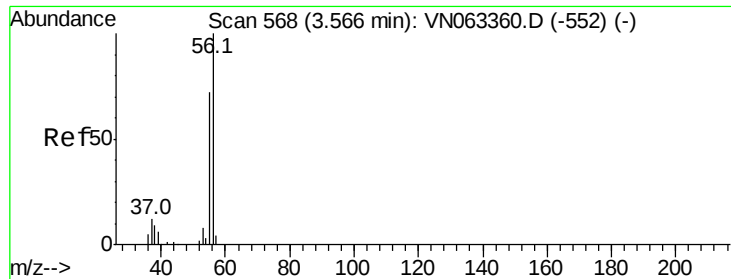


#12

1,1-Dichloroethene
 Concen: 19.755 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion: 96 Resp: 56682
 Ion Ratio Lower Upper
 96 100
 61 176.1 143.4 215.2
 98 59.1 50.6 76.0





#13

Acrolein

Concen: 94.127 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

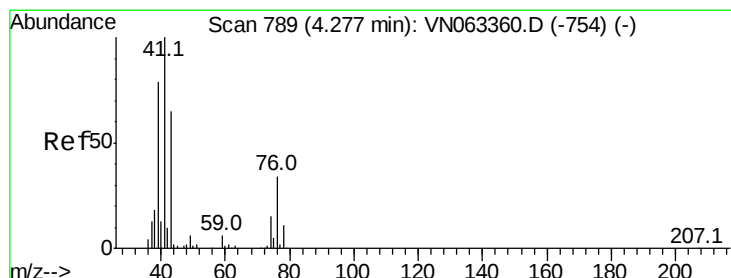
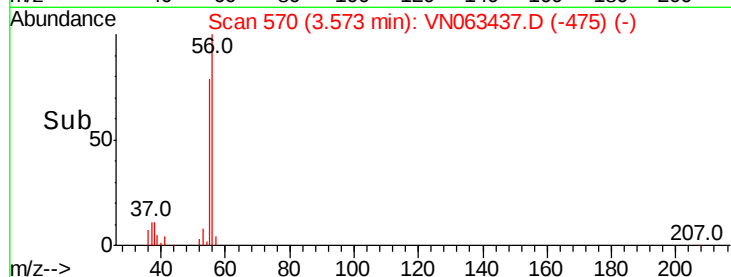
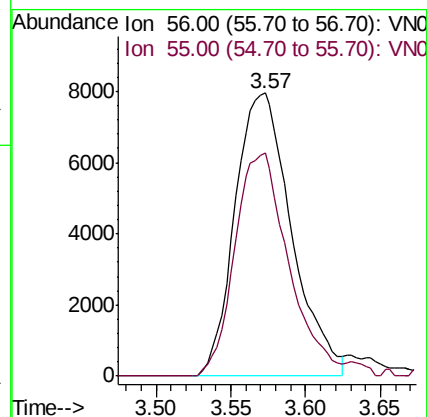
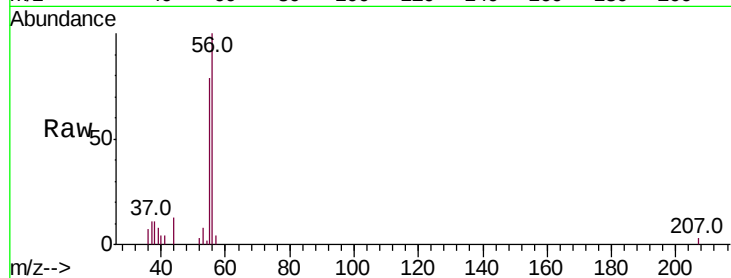
VN0917MBSD01

Tot Ion: 56 Resp: 20915

Ion Ratio Lower Upper

56 100

55 75.0 58.2 87.2



#14

Allyl chloride

Concen: 17.075 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

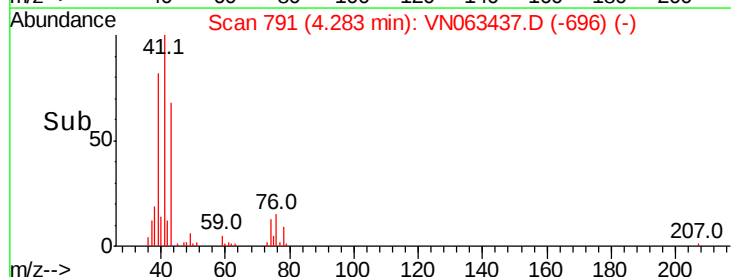
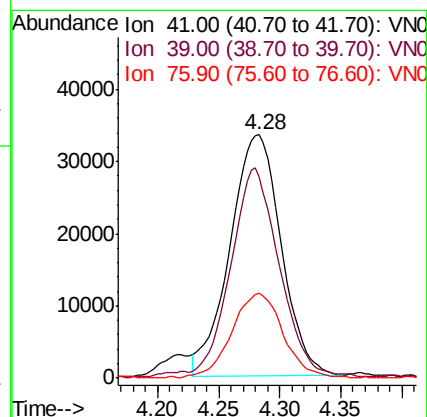
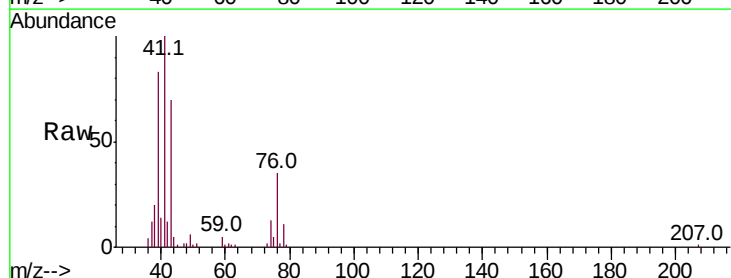
Tgt Ion: 41 Resp: 96906

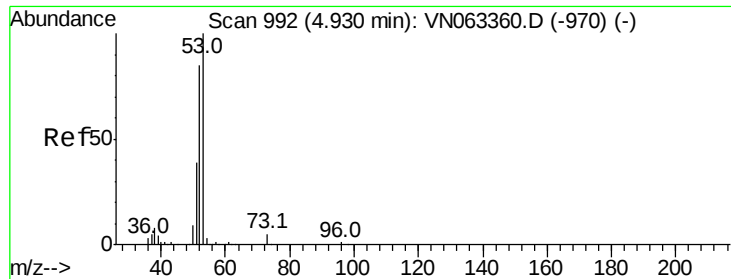
Ion Ratio Lower Upper

41 100

39 85.7 59.3 88.9

76 35.3 25.3 37.9





#15

Acrylonitrile

Concen: 97.018 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

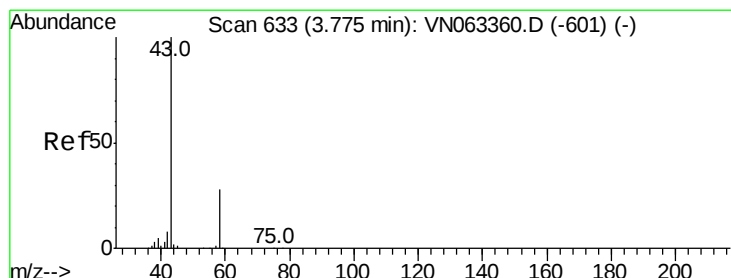
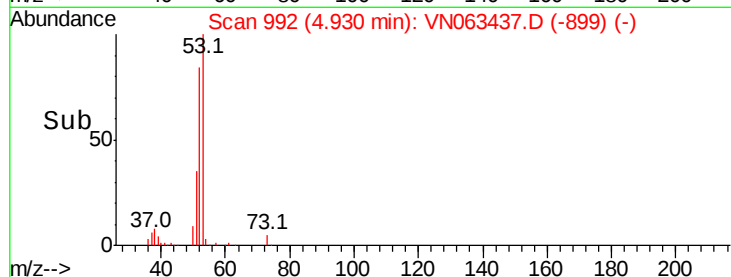
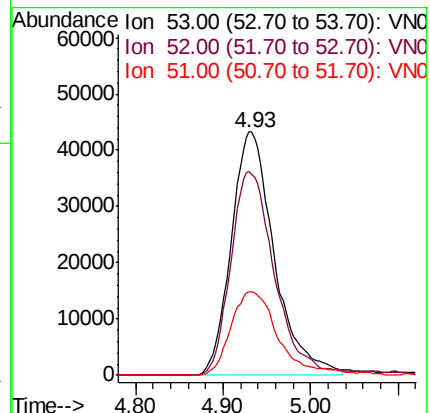
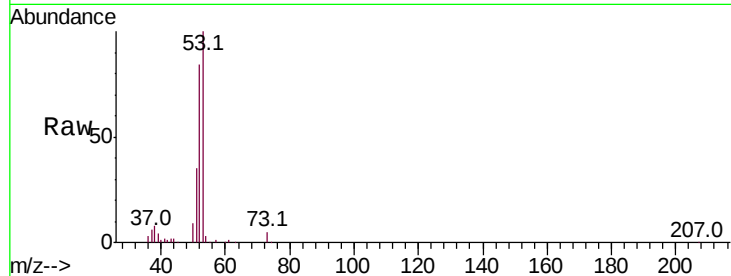
Tot Ion: 53 Resp: 147967

Ion Ratio Lower Upper

53 100

52 84.7 66.4 99.6

51 37.6 30.2 45.4



#16

Acetone

Concen: 98.869 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063437.D

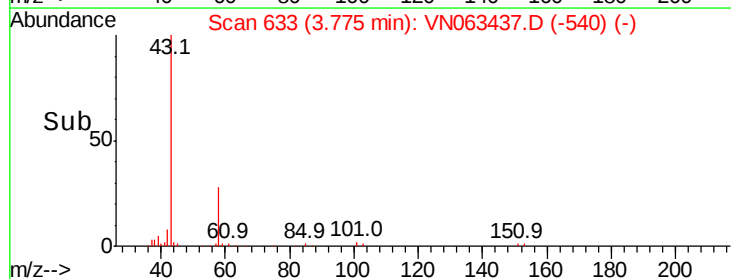
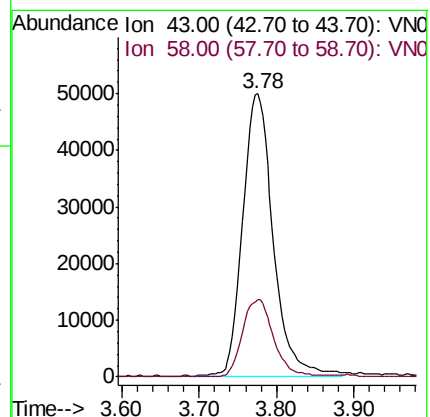
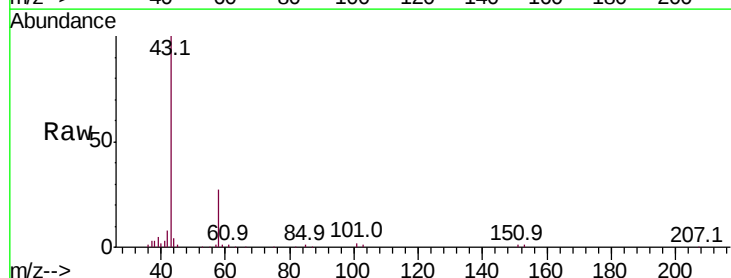
Acq: 17 Sep 2020 23:11

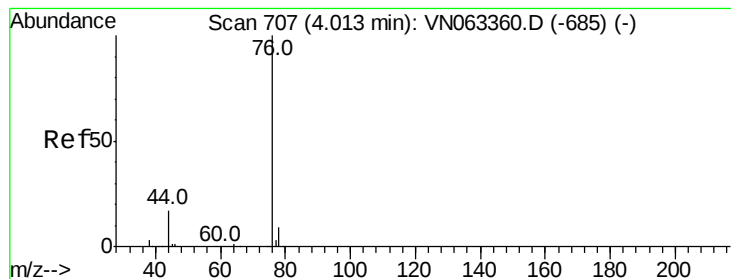
Tgt Ion: 43 Resp: 137523

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5





#17

Carbon Disulfide

Concen: 19.029 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

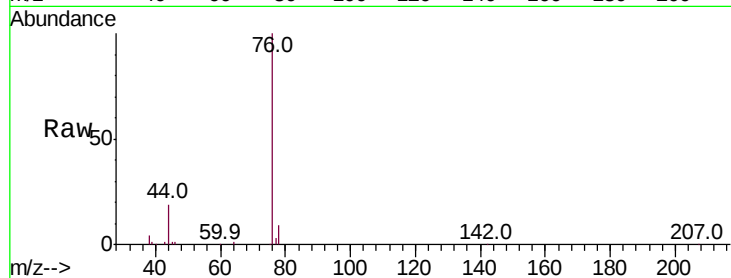
VN0917MBSD01

Tot Ion: 76 Resp: 158814

Ion Ratio Lower Upper

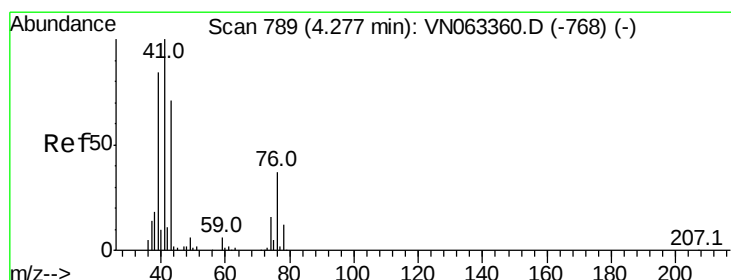
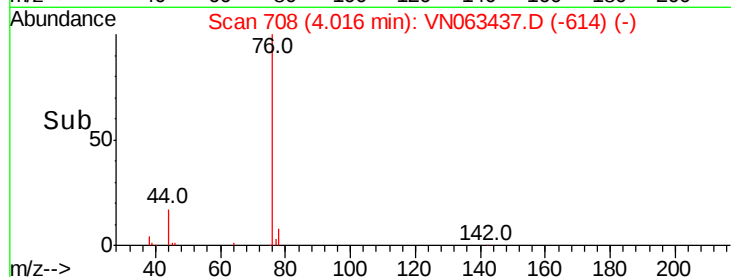
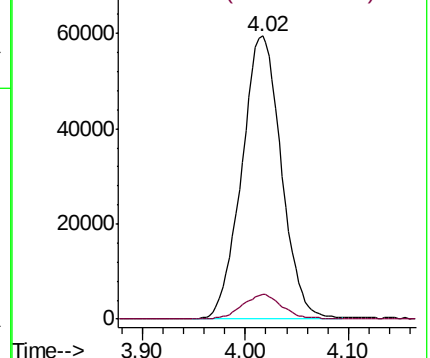
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 20.703 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063437.D

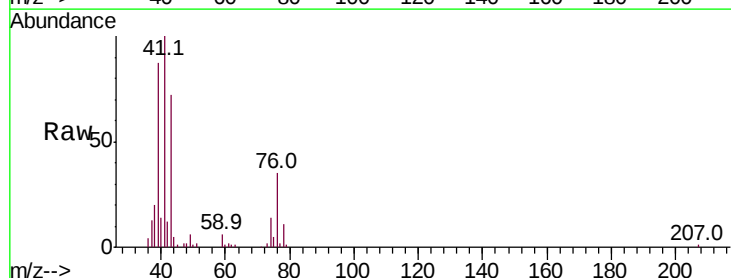
Acq: 17 Sep 2020 23:11

Tgt Ion: 43 Resp: 73105

Ion Ratio Lower Upper

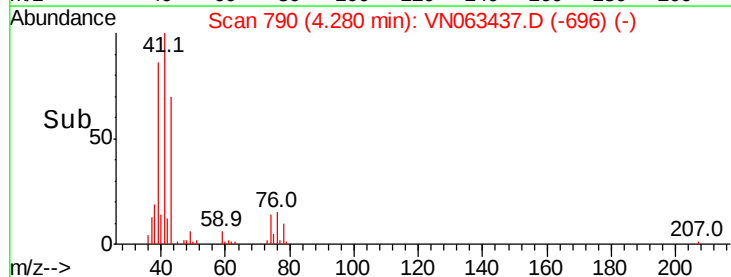
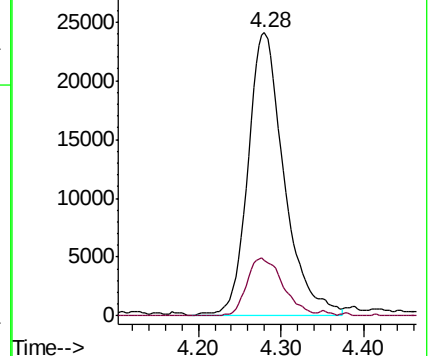
43 100

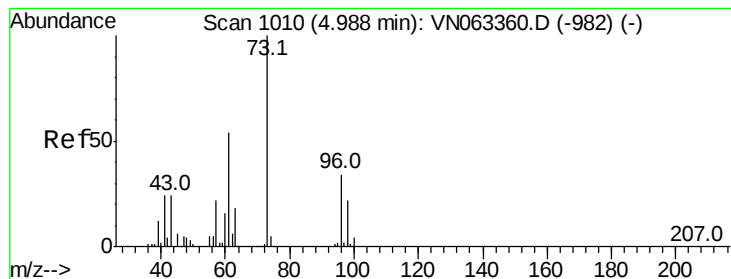
74 20.4 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC



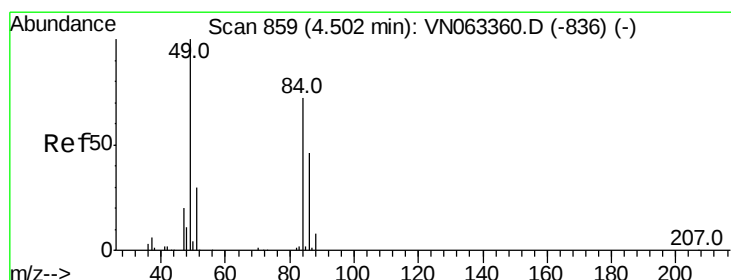
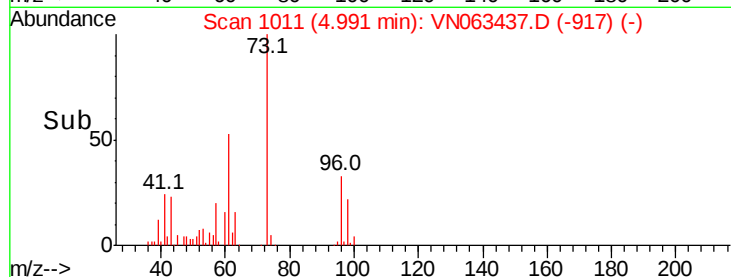
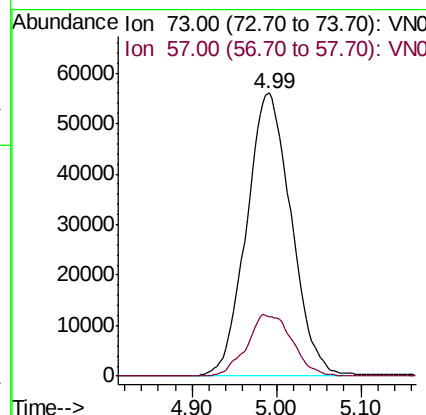
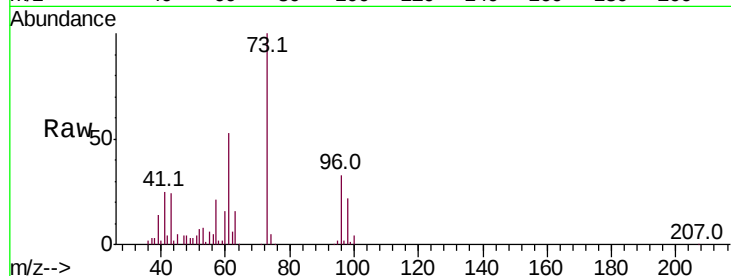


#19

Methyl tert-butyl Ether
 Concen: 19.290 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

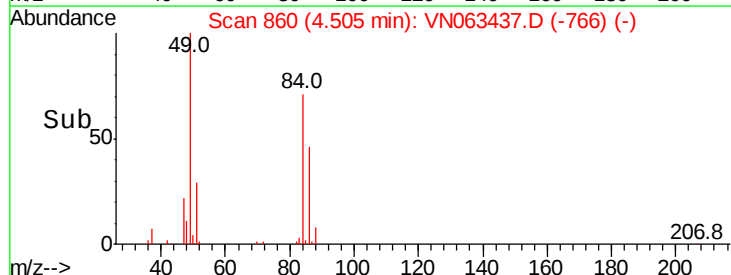
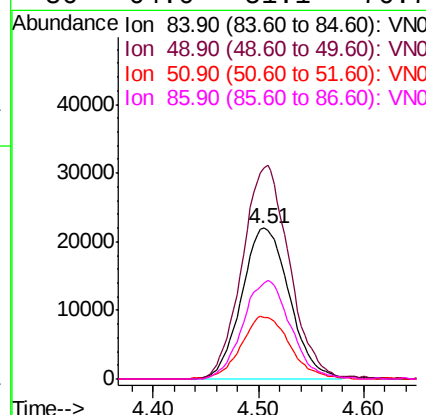
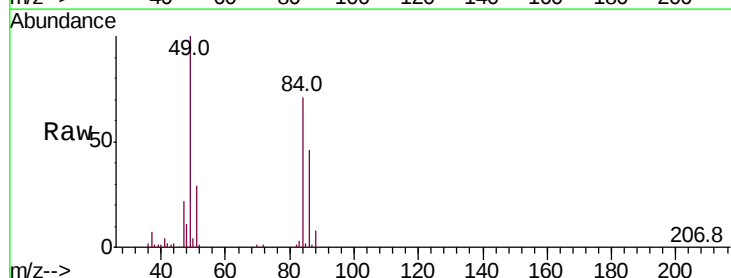
Tot Ion: 73 Resp: 206283
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.9 26.9

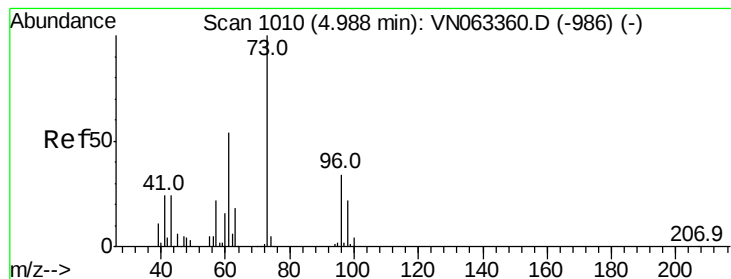


#20

Methylene Chloride
 Concen: 19.654 ug/l
 RT: 4.51 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion: 84 Resp: 69265
 Ion Ratio Lower Upper
 84 100
 49 140.4 110.7 166.1
 51 40.0 32.9 49.3
 86 64.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.148 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

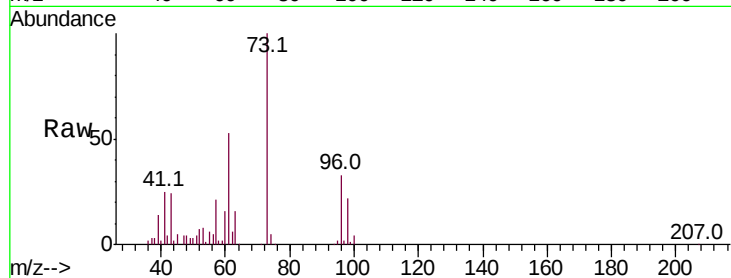
Tot Ion: 96 Resp: 60870

Ion Ratio Lower Upper

96 100

61 156.4 126.2 189.4

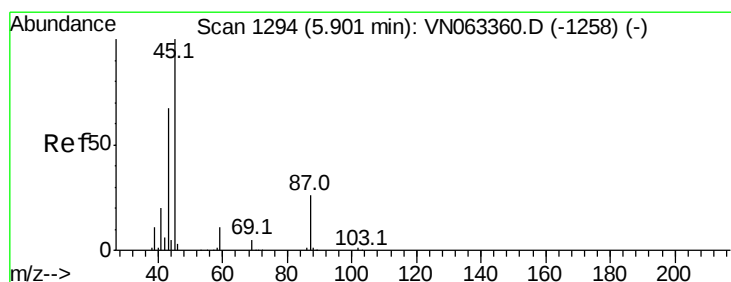
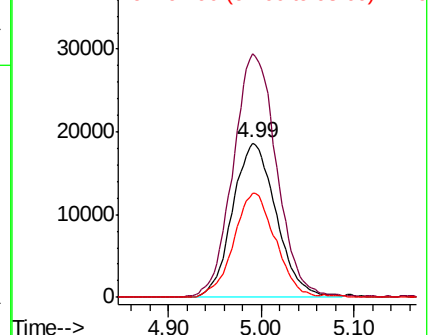
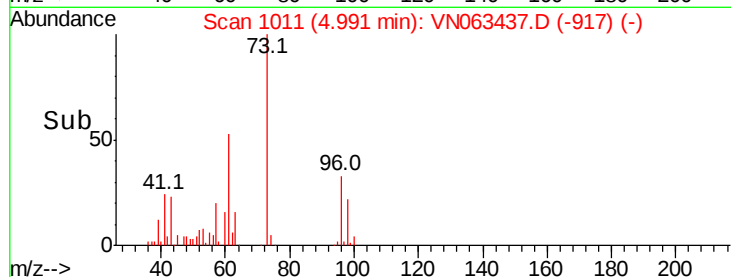
98 67.3 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.625 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion: 45 Resp: 227160

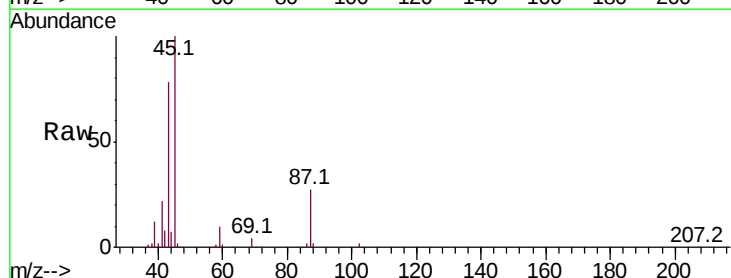
Ion Ratio Lower Upper

45 100

43 75.6 53.5 80.3

87 27.3 21.2 31.8

59 10.1 8.8 13.2

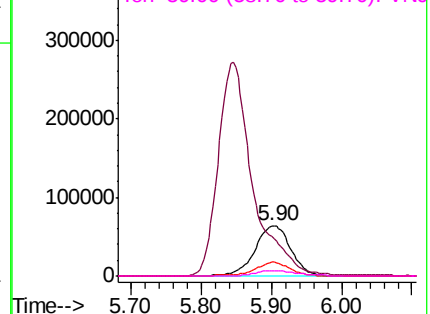
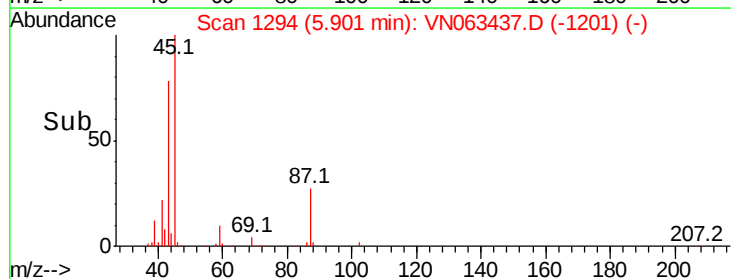


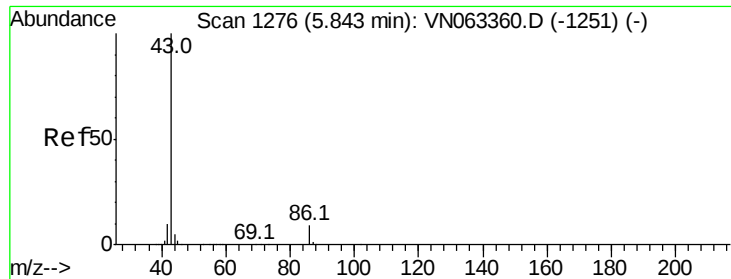
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 97.918 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

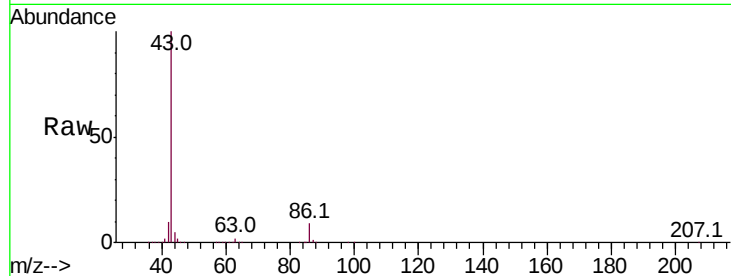
VN0917MBSD01

Tot Ion: 43 Resp: 930813

Ion Ratio Lower Upper

43 100

86 8.8 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

300000

250000

200000

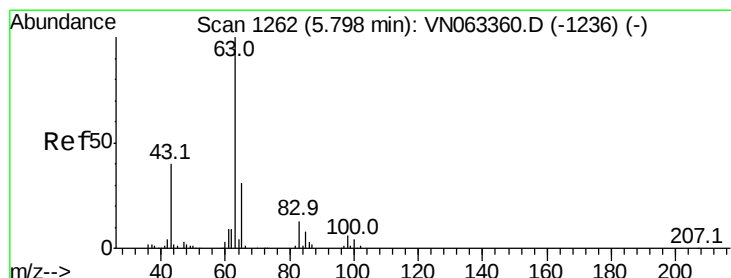
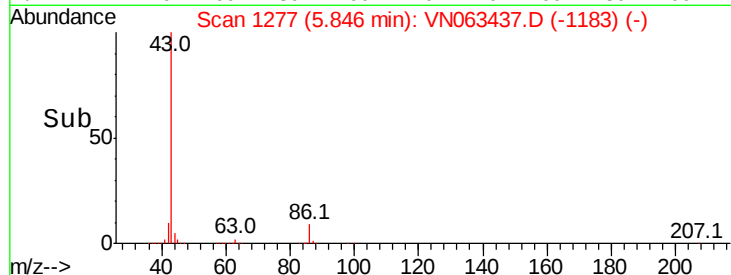
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.058 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

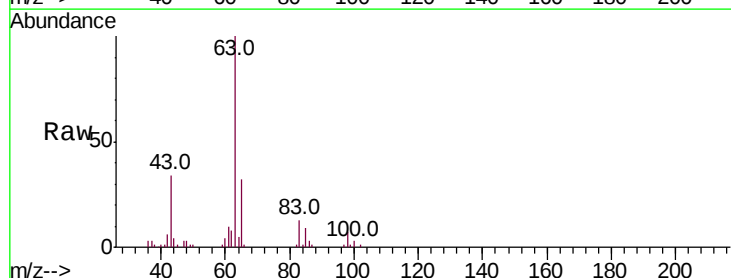
Tgt Ion: 63 Resp: 126754

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 3.0 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

5.80

50000

40000

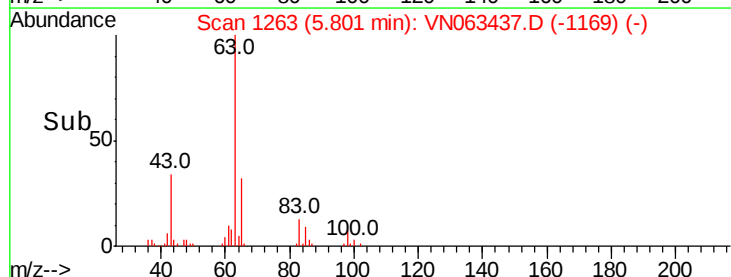
30000

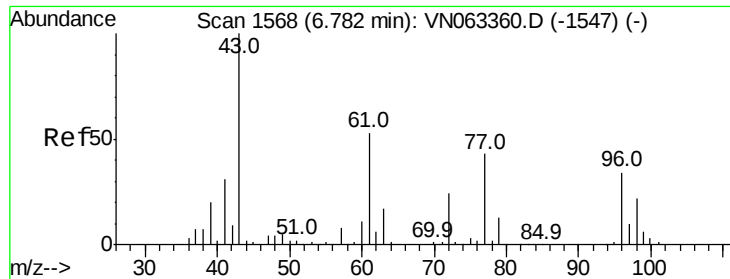
20000

10000

0

Time-->





#25

2-Butanone

Concen: 96.941 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

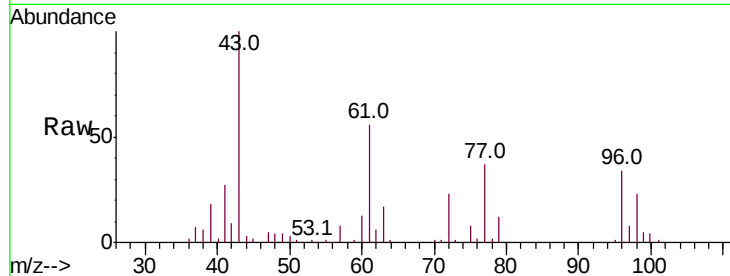
VN0917MBSD01

Tot Ion: 43 Resp: 207383

Ion Ratio Lower Upper

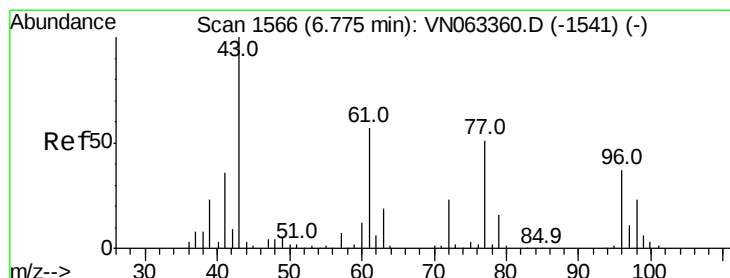
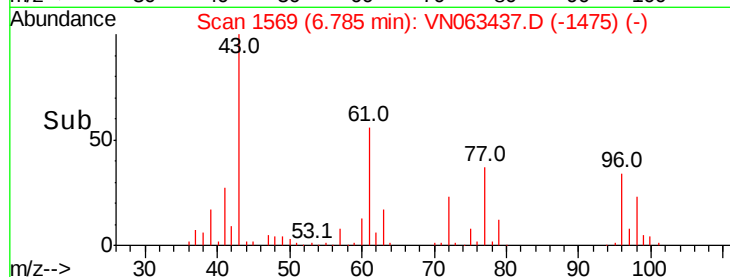
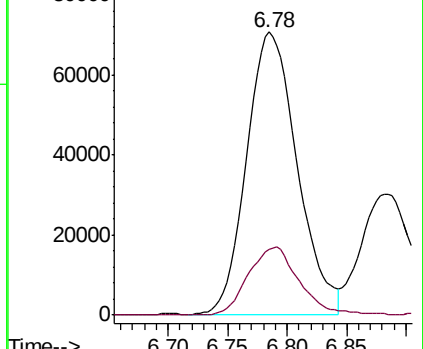
43 100

72 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.060 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063437.D

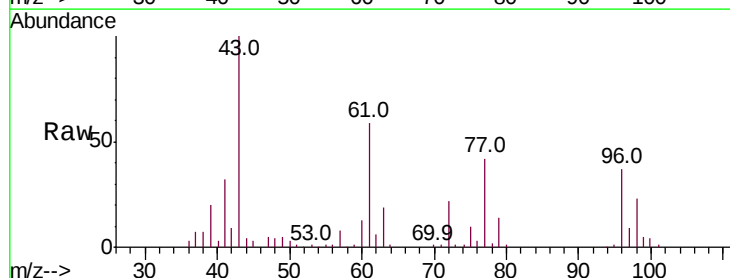
Acq: 17 Sep 2020 23:11

Tgt Ion: 77 Resp: 89352

Ion Ratio Lower Upper

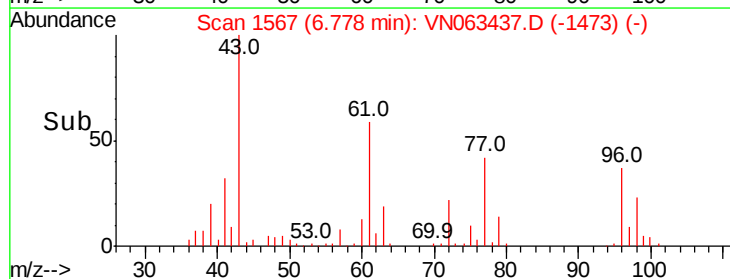
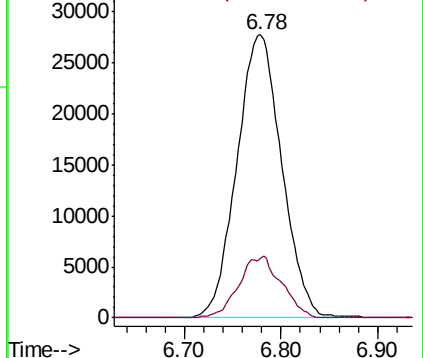
77 100

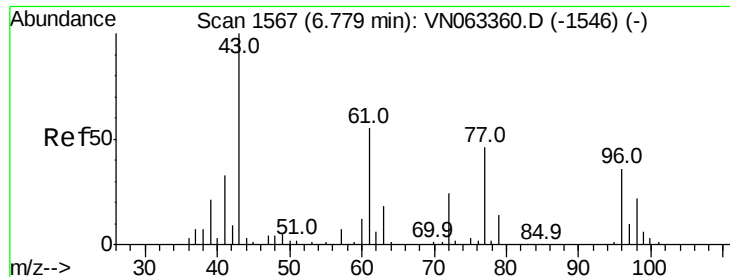
97 20.8 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.105 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

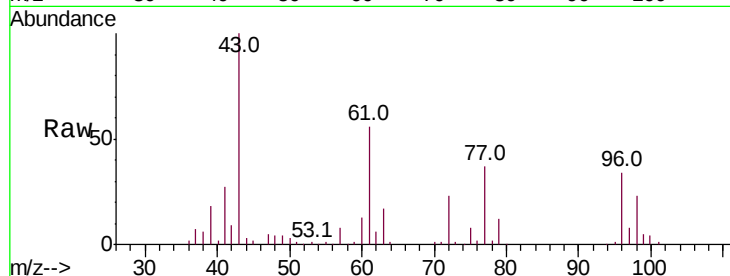
Tot Ion: 96 Resp: 72338

Ion Ratio Lower Upper

96 100

61 160.6 0.0 319.6

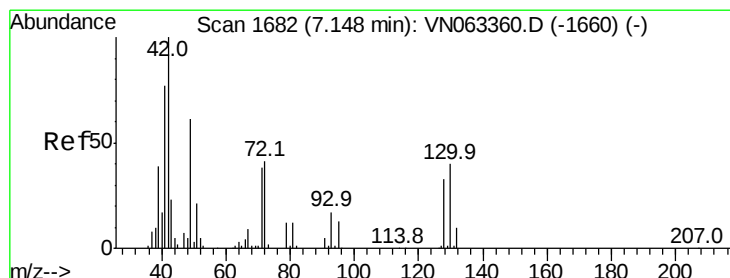
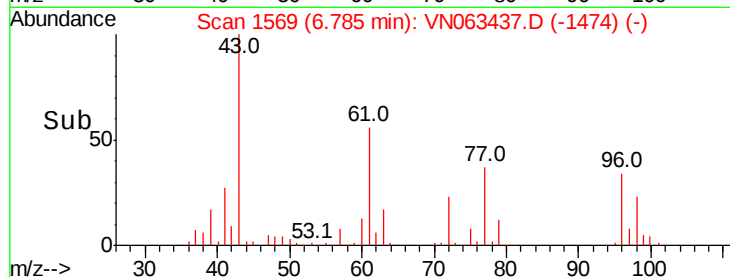
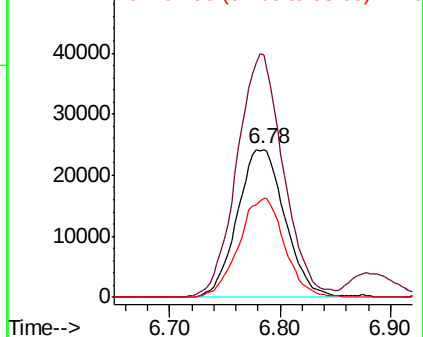
98 64.2 0.0 127.8



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: 19.477 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

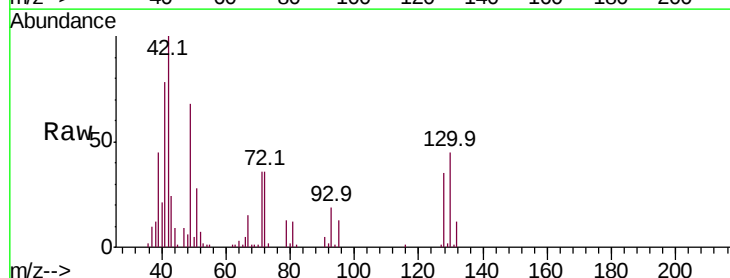
Tgt Ion: 49 Resp: 56829

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

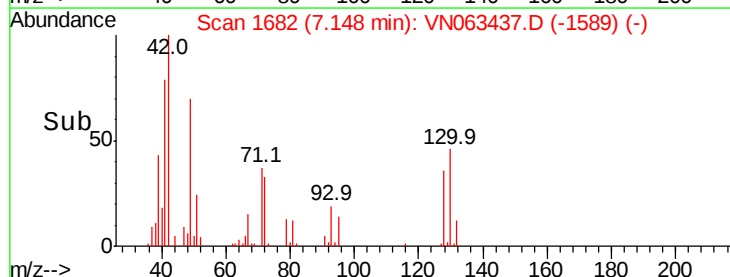
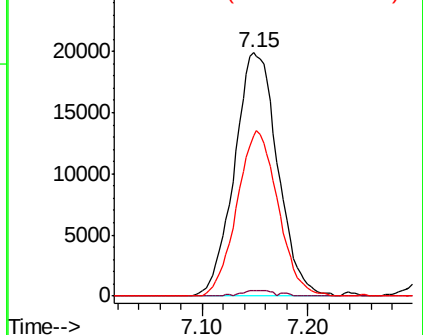
130 64.3 52.2 78.2

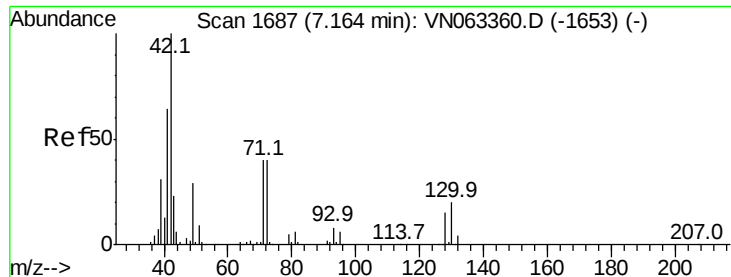


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

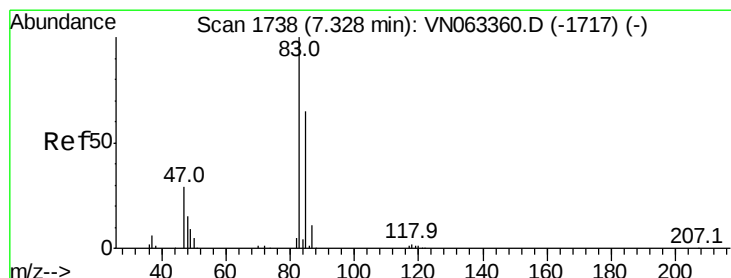
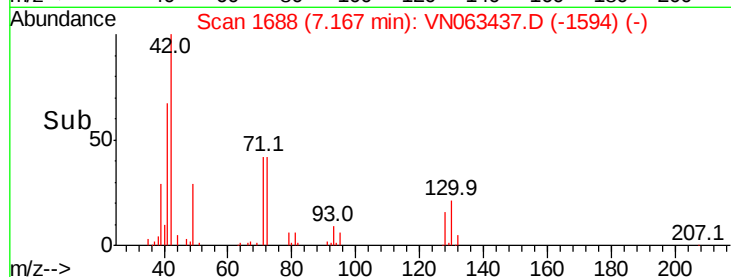
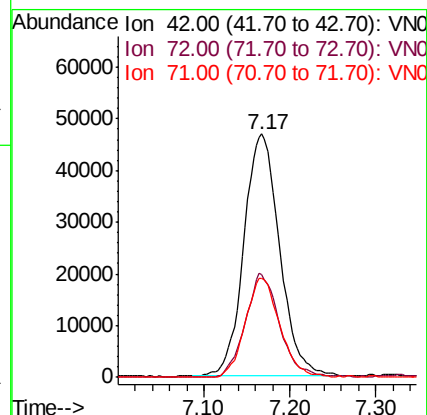
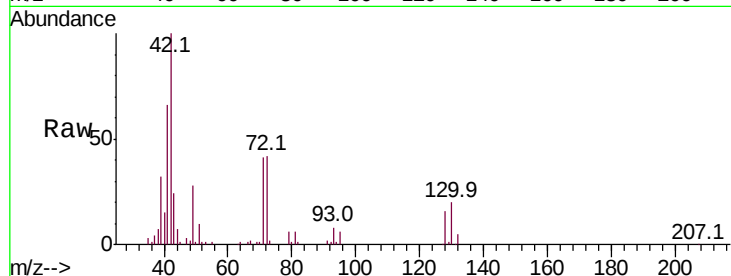




#29
Tetrahydrofuran
Concen: 92.799 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

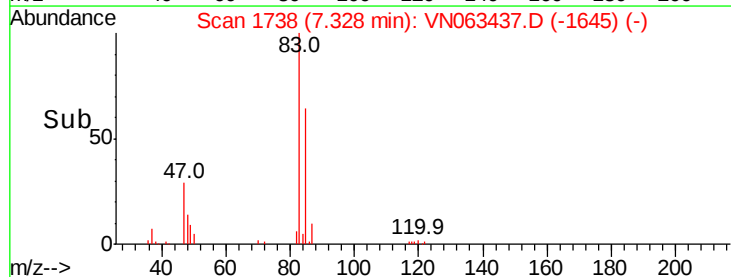
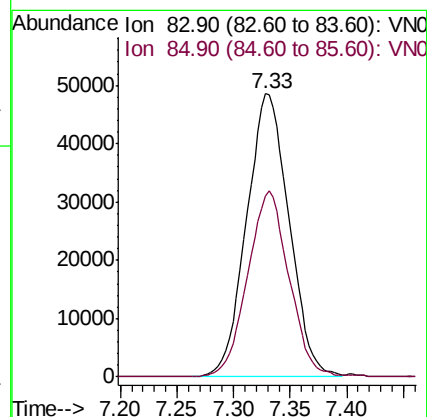
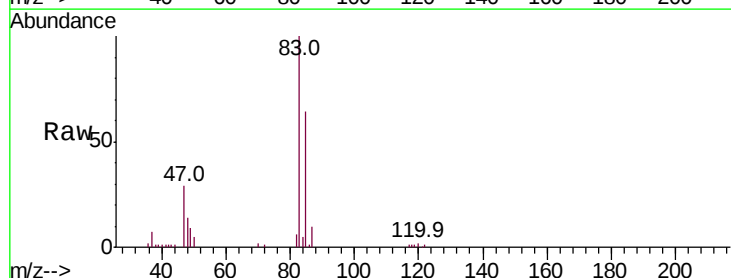
Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

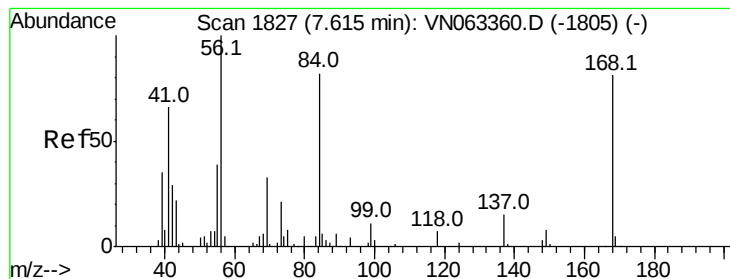
Tot Ion: 42 Resp: 135587
Ion Ratio Lower Upper
42 100
72 40.8 32.1 48.1
71 39.5 31.2 46.8



#30
Chloroform
Concen: 20.005 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 83 Resp: 126834
Ion Ratio Lower Upper
83 100
85 64.0 52.1 78.1





#31

Cvclohexane

Concen: 18.563 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

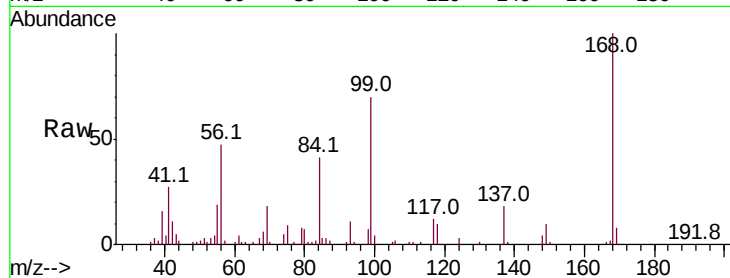
Tot Ion: 56 Resp: 110961

Ion Ratio Lower Upper

56 100

69 38.6 26.1 39.1

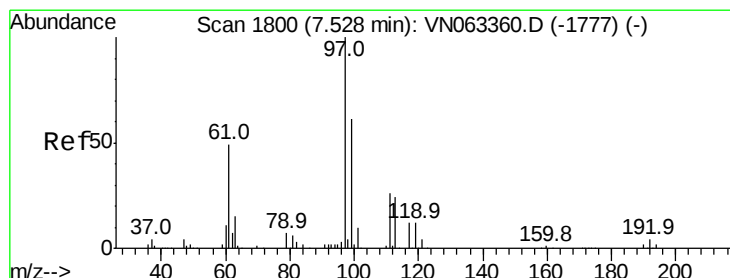
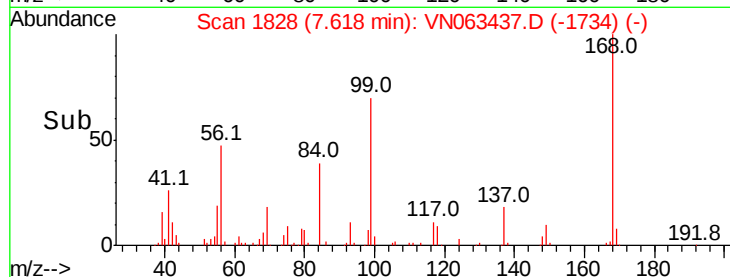
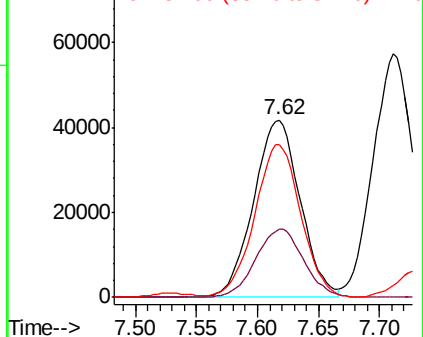
84 84.6 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.808 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

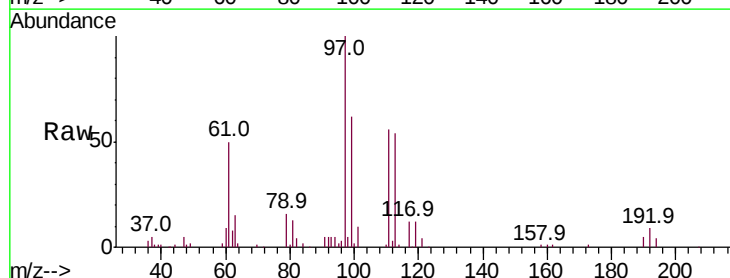
Tgt Ion: 97 Resp: 111701

Ion Ratio Lower Upper

97 100

99 63.1 50.6 76.0

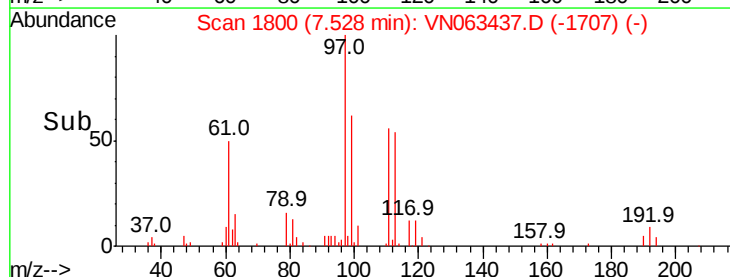
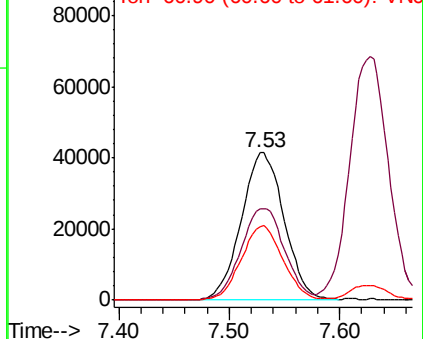
61 49.0 39.2 58.8

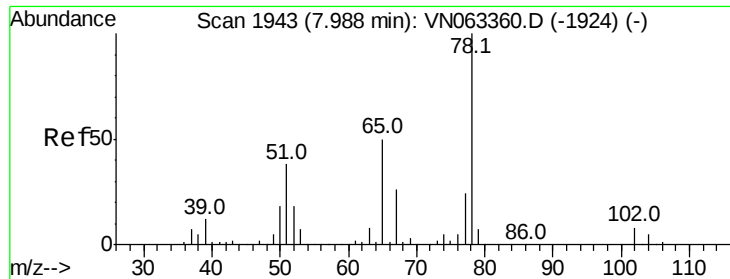


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.941 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

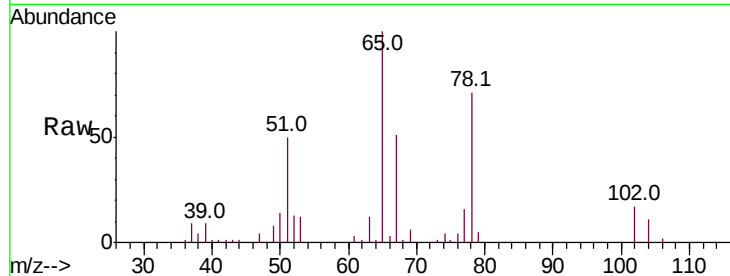
VN0917MBSD01

Tot Ion: 65 Resp: 207492

Ion Ratio Lower Upper

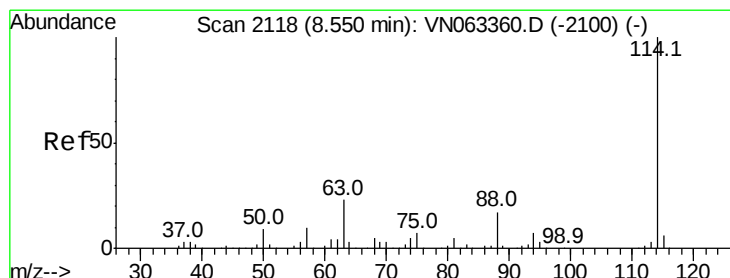
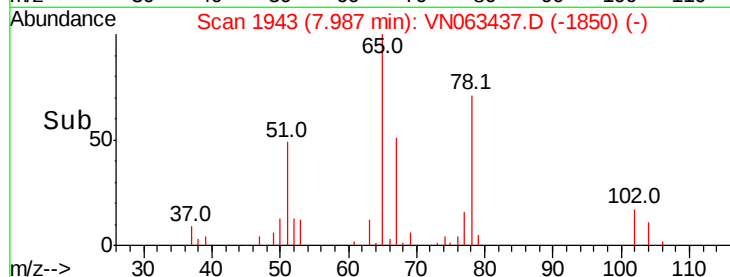
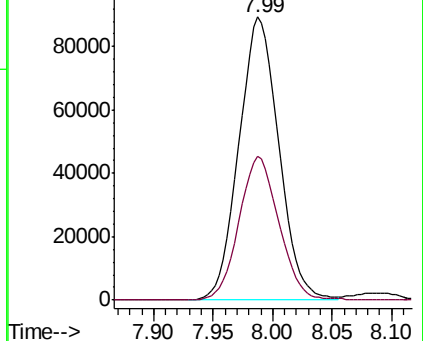
65 100

67 50.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

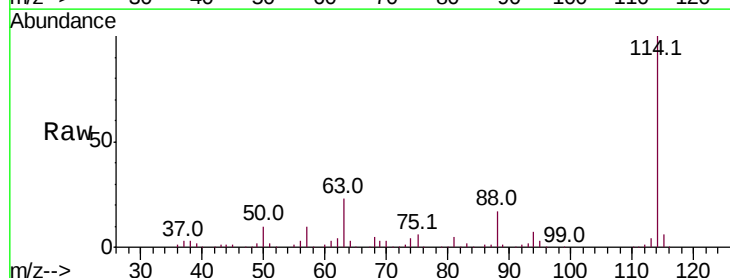
Tgt Ion: 114 Resp: 455382

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.4

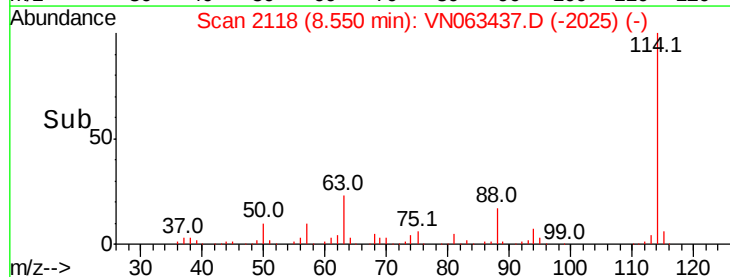
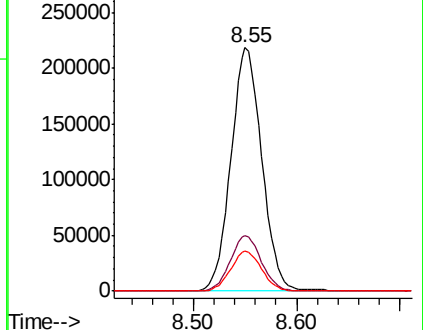
88 16.6 0.0 33.2

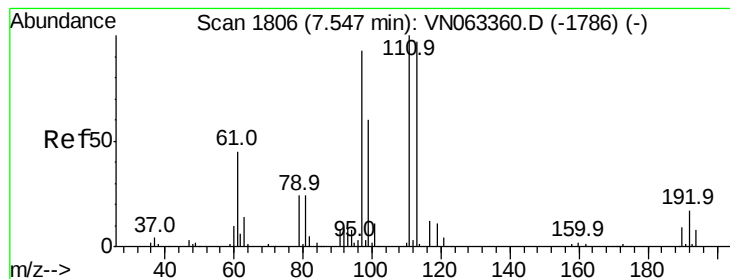


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)





#35

Dibromofluoromethane

Concen: 45.722 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

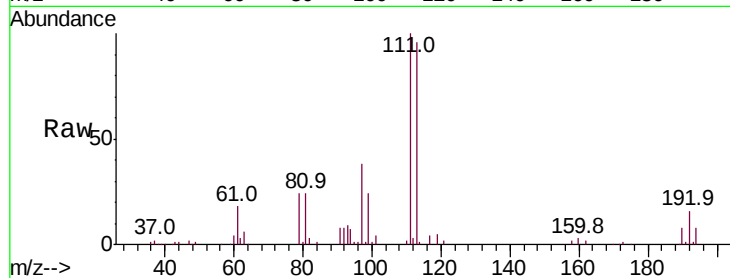
Tot Ion:113 Resp: 144138

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

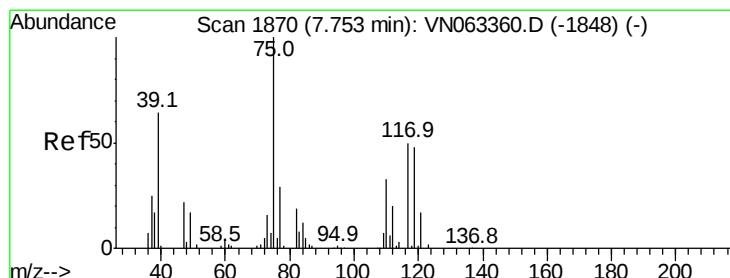
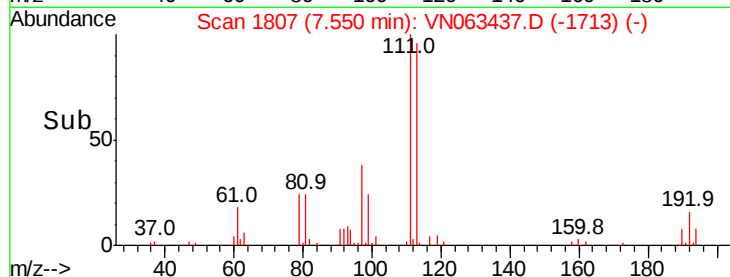
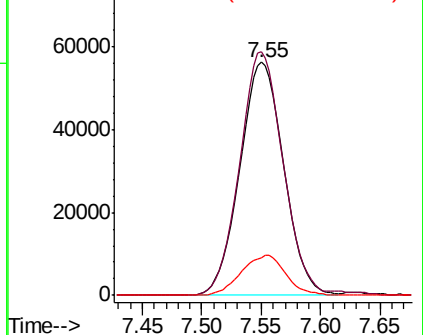
192 17.5 13.9 20.9



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: 19.110 ug/l

RT: 7.76 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

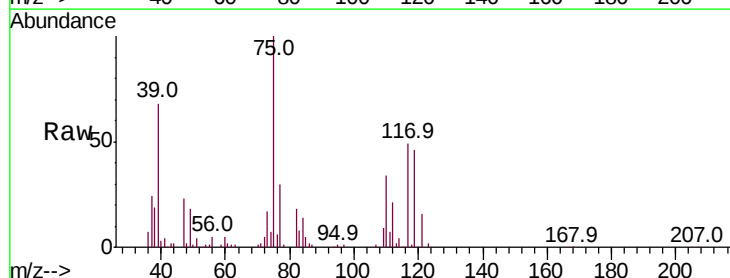
Tgt Ion: 75 Resp: 92709

Ion Ratio Lower Upper

75 100

110 32.3 16.5 49.5

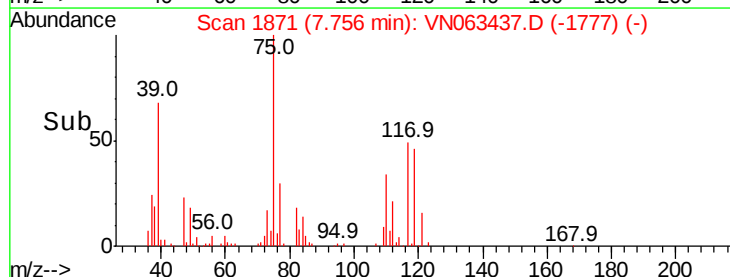
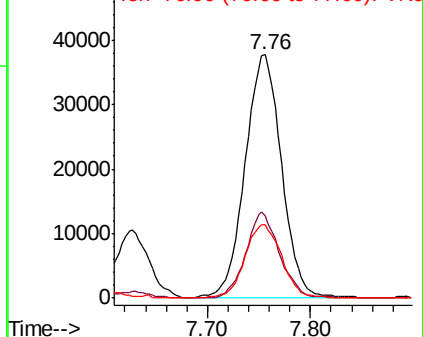
77 30.5 24.6 36.8

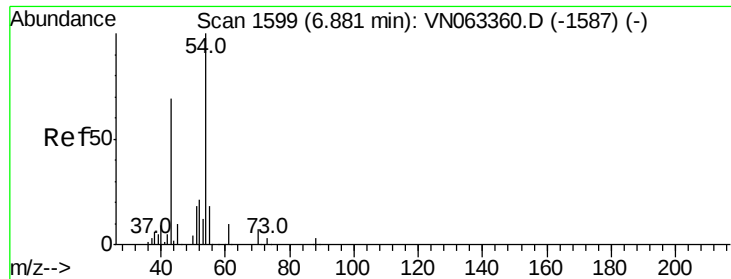


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

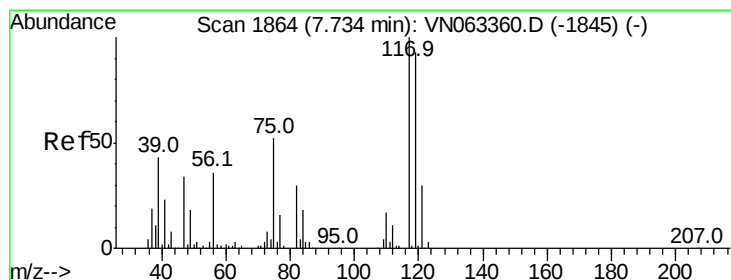
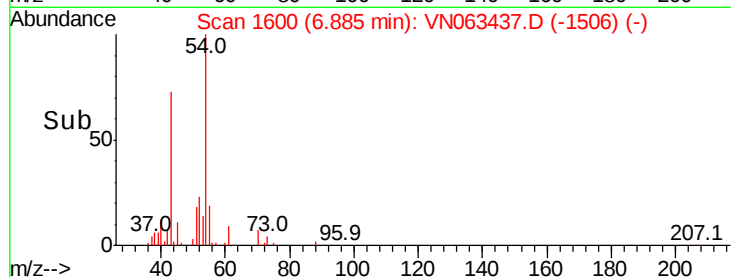
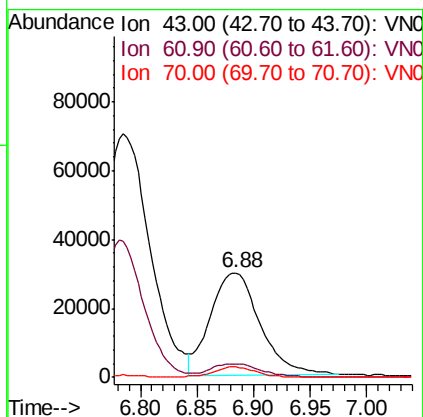
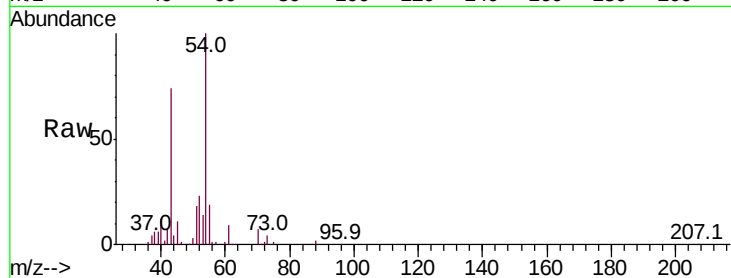




#37
Ethyl Acetate
Concen: 19.025 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

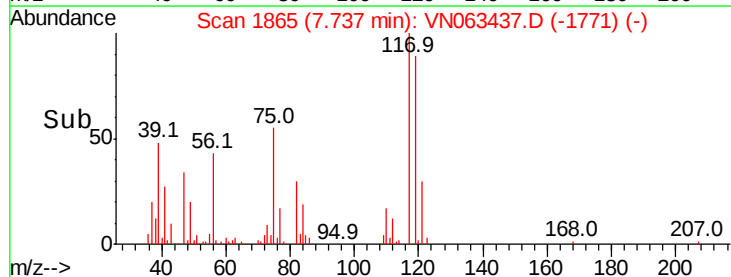
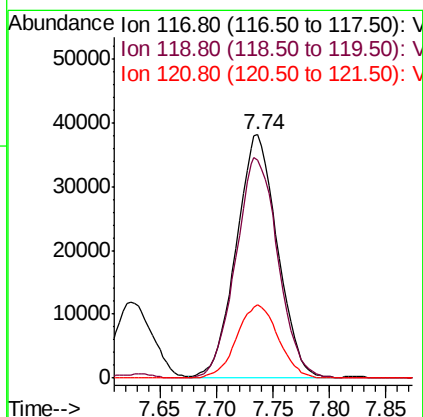
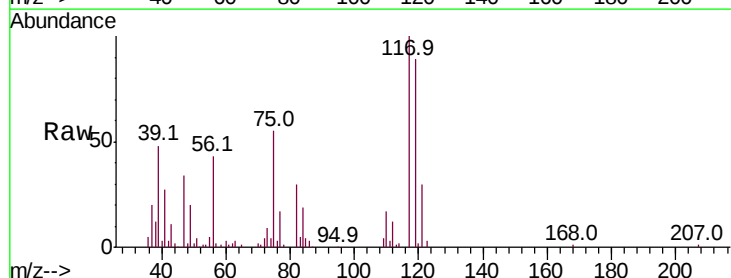
Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

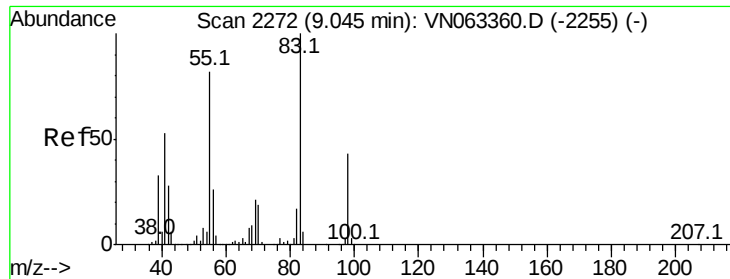
Tot Ion: 43 Resp: 90588
Ion Ratio Lower Upper
43 100
61 12.3 10.6 15.8
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.521 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 117 Resp: 96673
Ion Ratio Lower Upper
117 100
119 89.3 74.5 111.7
121 30.0 24.1 36.1

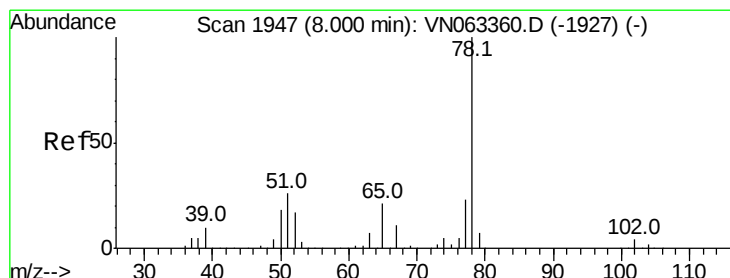
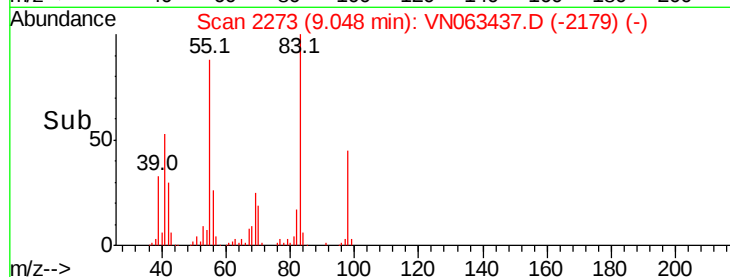
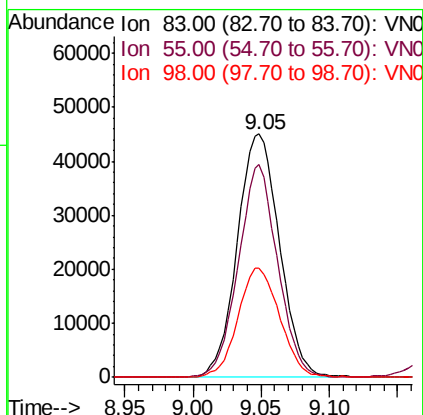
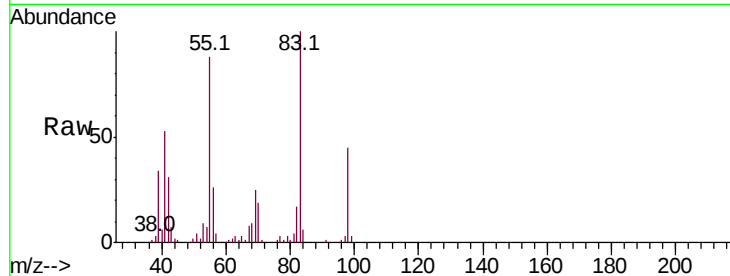




#39
Methvlcvclohexane
Concen: 18.340 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

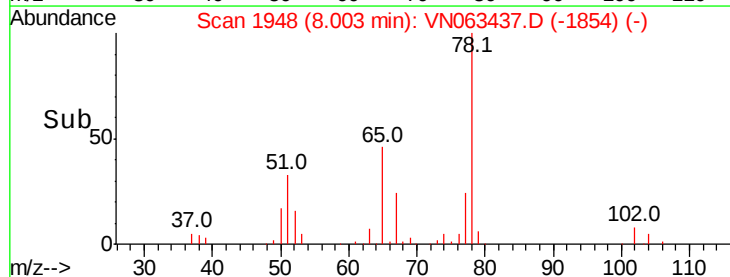
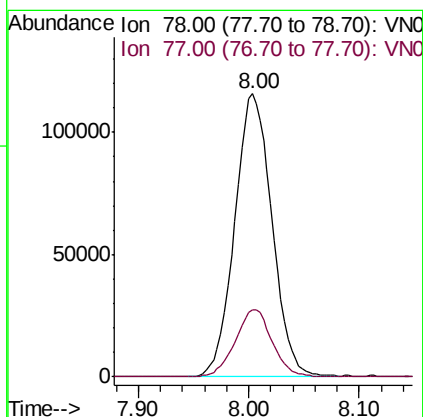
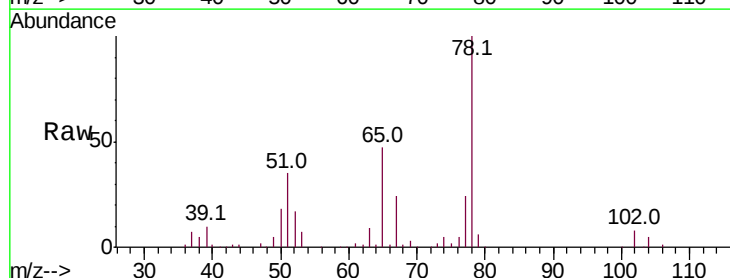
Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

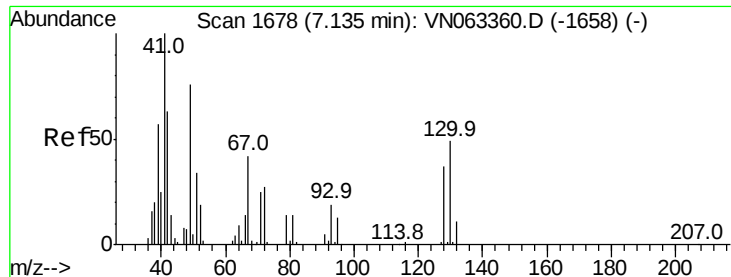
Tot Ion: 83 Resp: 96568
Ion Ratio Lower Upper
83 100
55 87.6 65.5 98.3
98 45.0 34.2 51.4



#40
Benzene
Concen: 19.547 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 78 Resp: 270712
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5

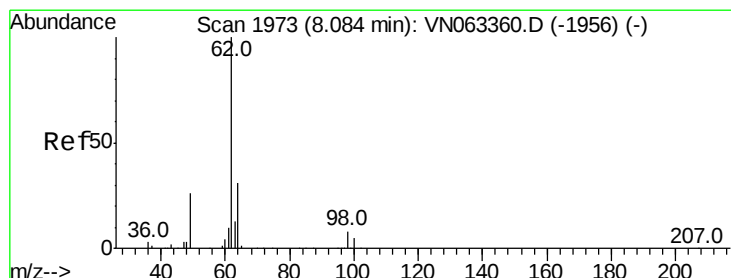
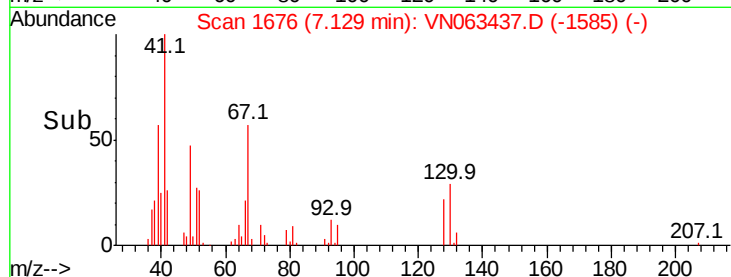
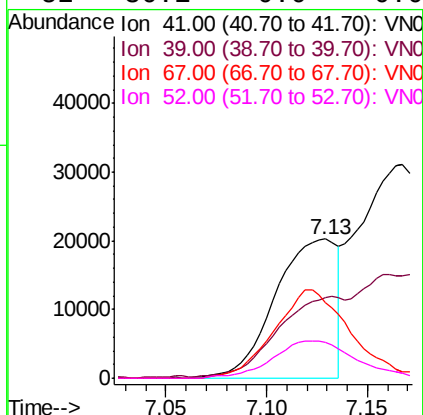
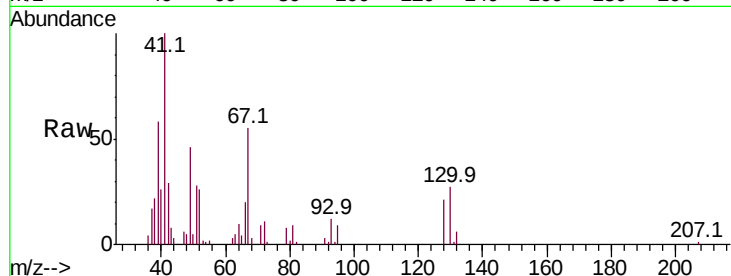




#41
Methacrylonitrile
Concen: 20.238 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

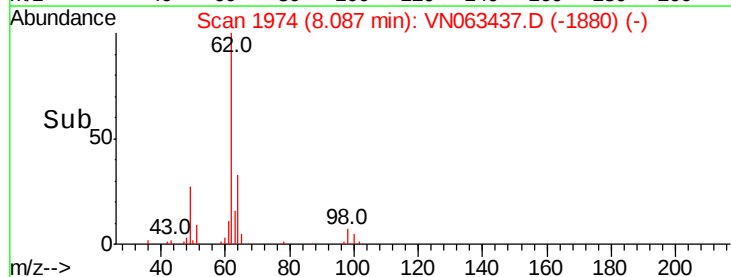
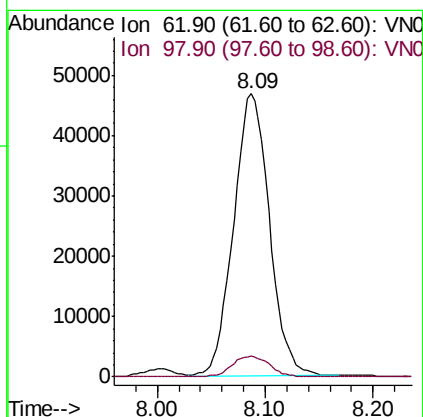
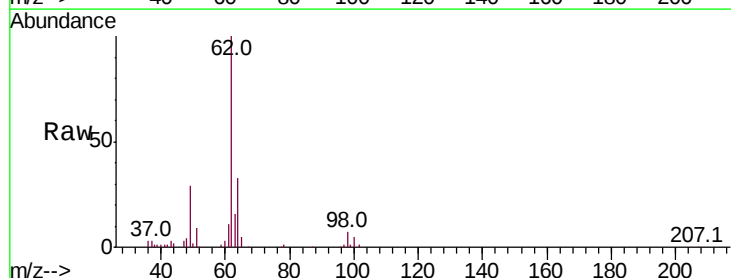
Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

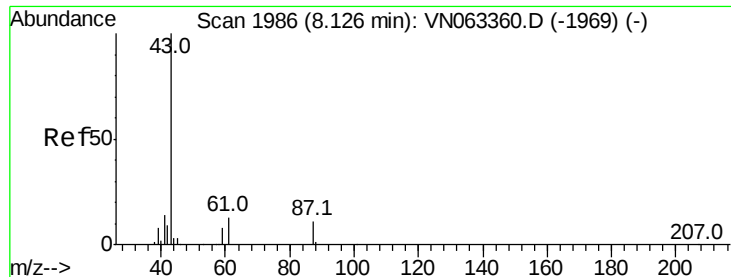
Tot Ion: 41 Resp: 43340
Ion Ratio Lower Upper
41 100
39 60.5 0.0 0.0#
67 78.8 0.0 0.0#
52 36.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.432 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 62 Resp: 108226
Ion Ratio Lower Upper
62 100
98 7.6 0.0 15.6





#43

Isopropyl Acetate

Concen: 18.390 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

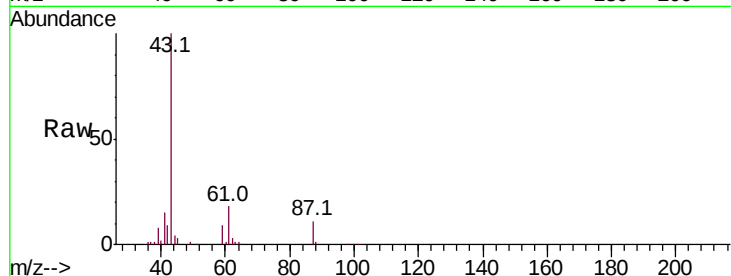
Tot Ion: 43 Resp: 156577

Ion Ratio Lower Upper

43 100

61 18.1 14.2 21.2

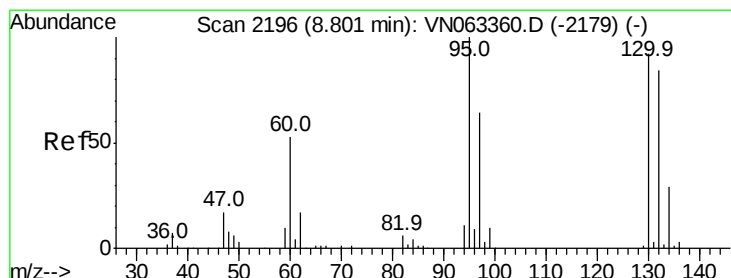
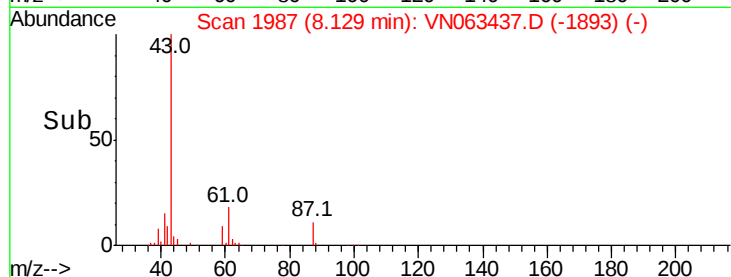
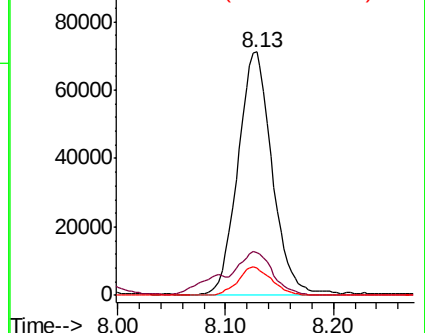
87 11.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063360.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063360.D (-1969) (-)



#44

Trichloroethene

Concen: 19.975 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063437.D

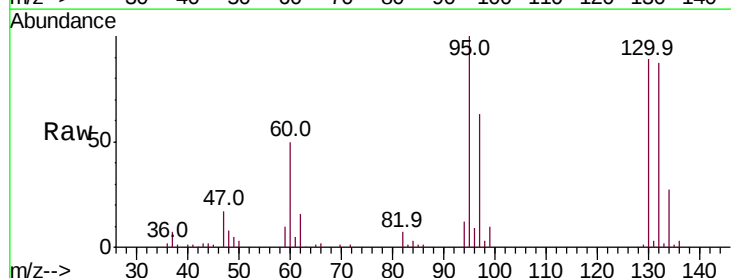
Acq: 17 Sep 2020 23:11

Tgt Ion:130 Resp: 67097

Ion Ratio Lower Upper

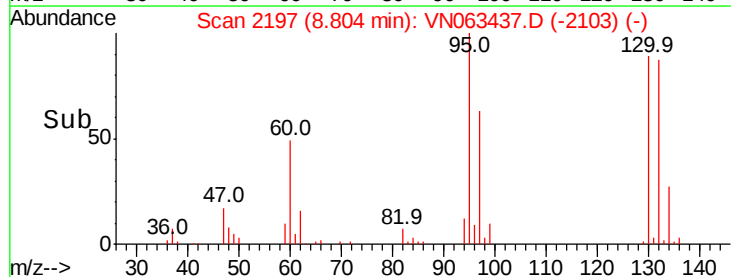
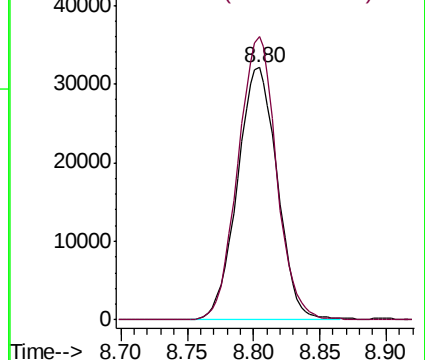
130 100

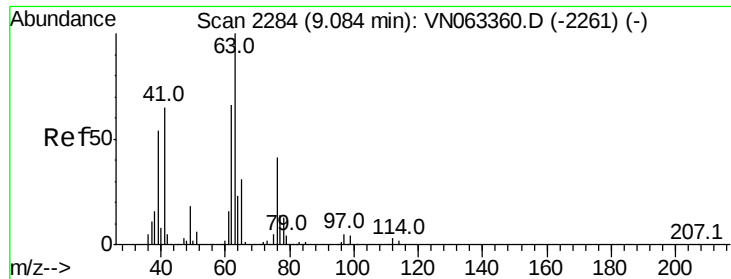
95 112.1 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.660 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

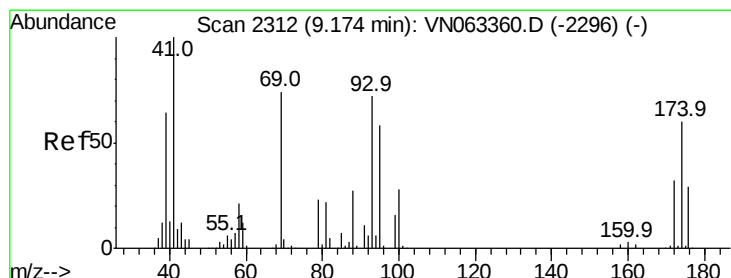
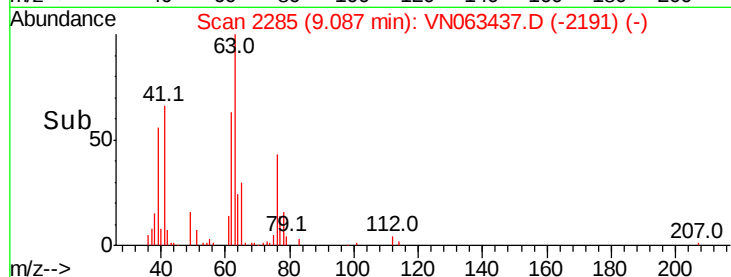
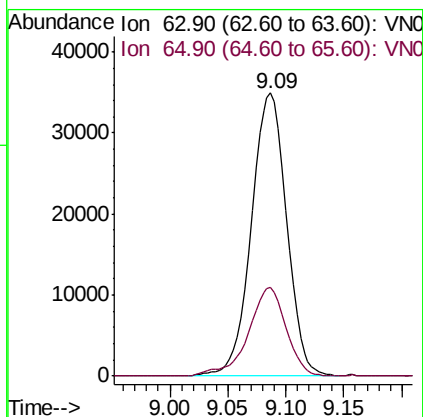
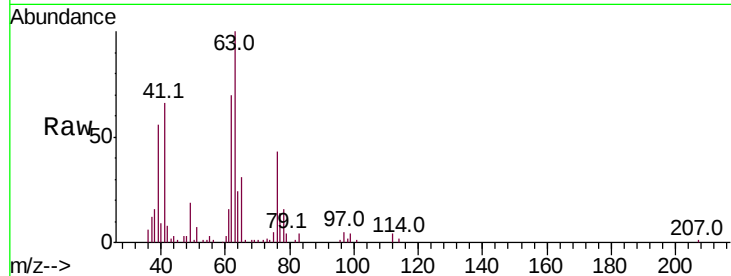
VN0917MBSD01

Tot Ion: 63 Resp: 74154

Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.6



#46

Dibromomethane

Concen: 20.027 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

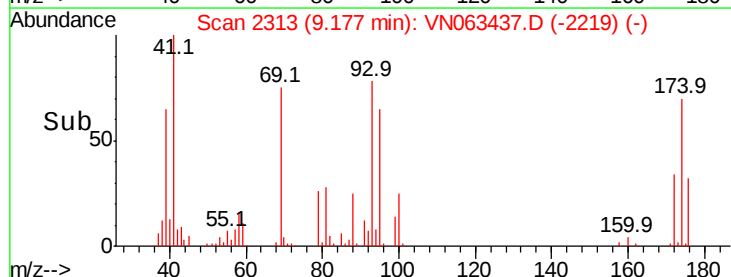
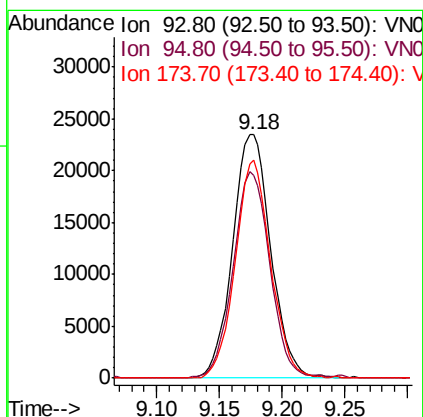
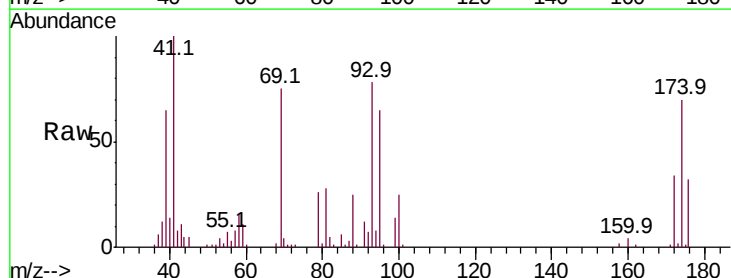
Tgt Ion: 93 Resp: 49648

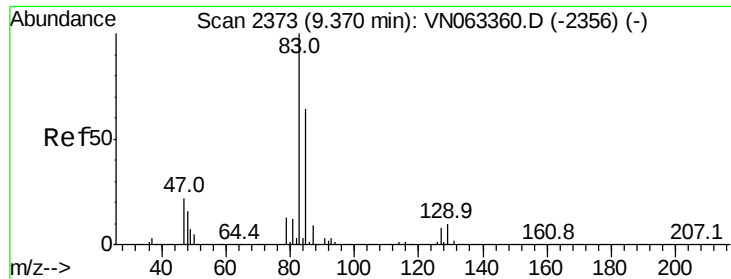
Ion Ratio Lower Upper

93 100

95 81.4 65.6 98.4

174 83.0 68.1 102.1

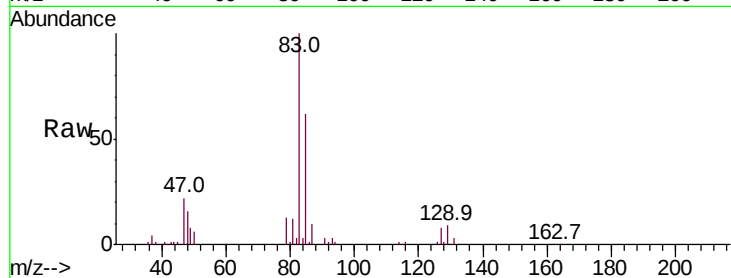




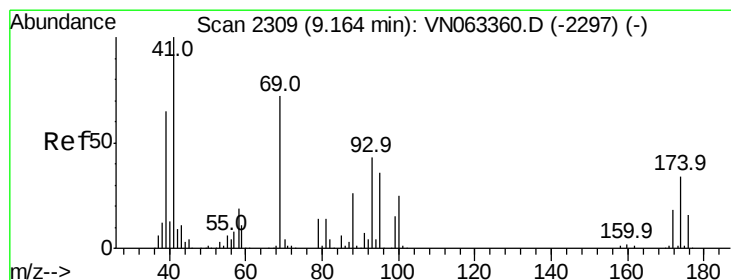
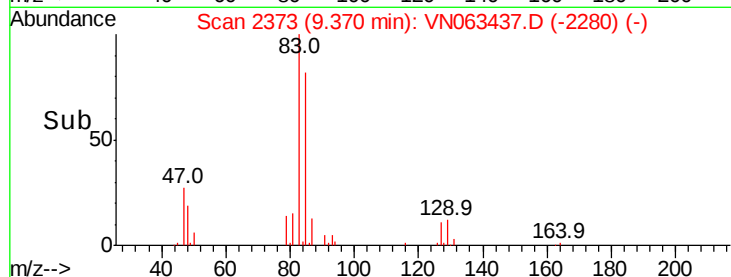
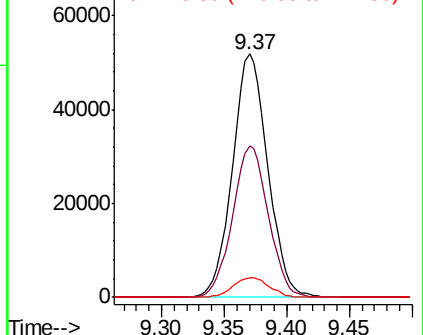
#47
Bromodichloromethane
Concen: 19.657 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	83	Resp	101237
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.0	76.6
127	8.1	6.3	9.5

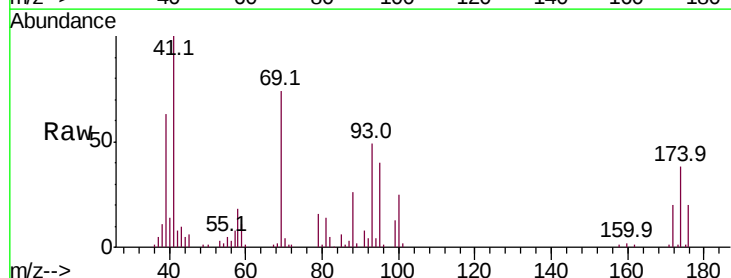


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

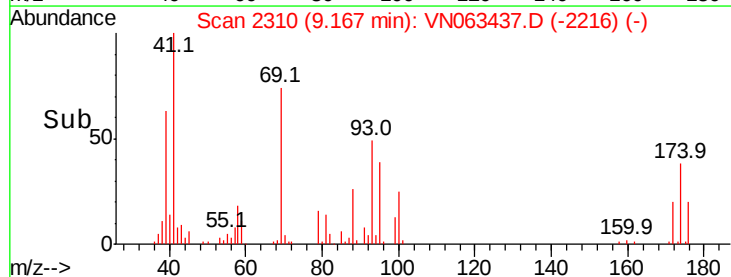
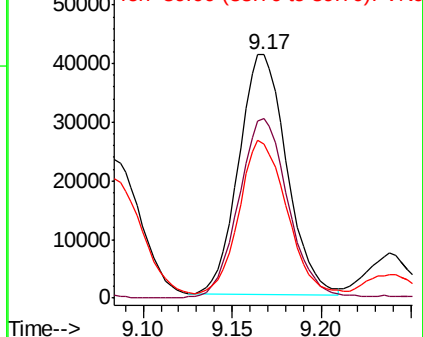


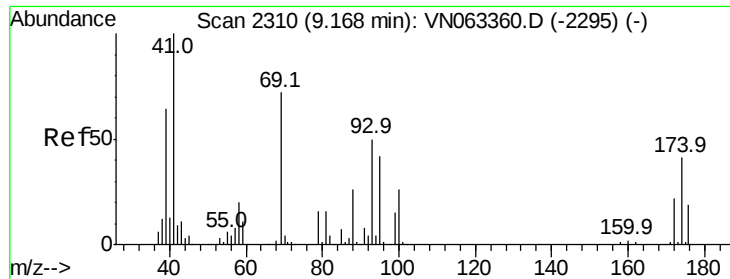
#48
Methyl methacrylate
Concen: 18.432 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	41	Resp	77101
Ion Ratio	Lower	Upper	
41	100		
69	77.3	59.3	88.9
39	66.4	52.9	79.3



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





#49

1,4-Dioxane

Concen: 370.057 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

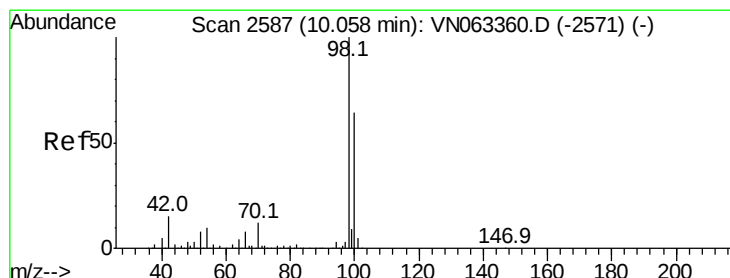
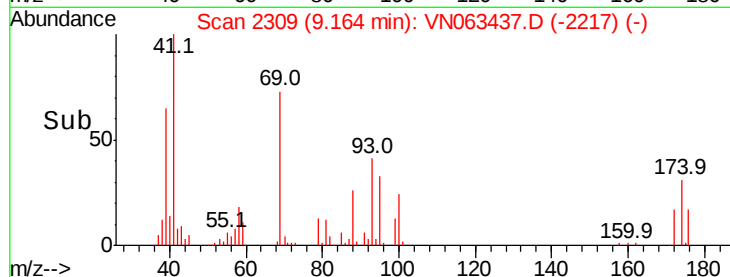
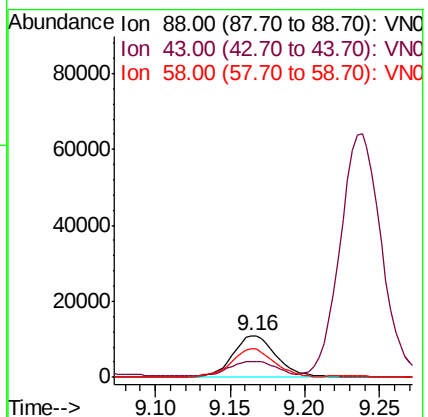
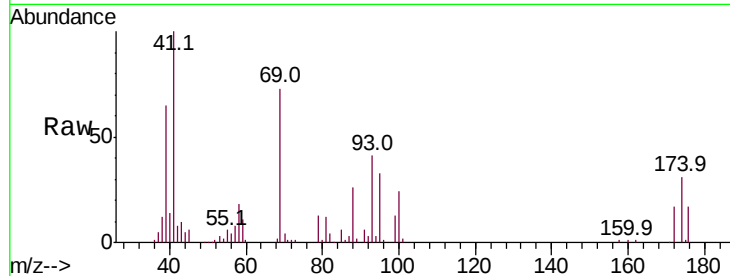
Tot Ion: 88 Resp: 22214

Ion Ratio Lower Upper

88 100

43 38.5 32.6 49.0

58 68.4 60.0 90.0



#50

Toluene-d8

Concen: 46.691 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063437.D

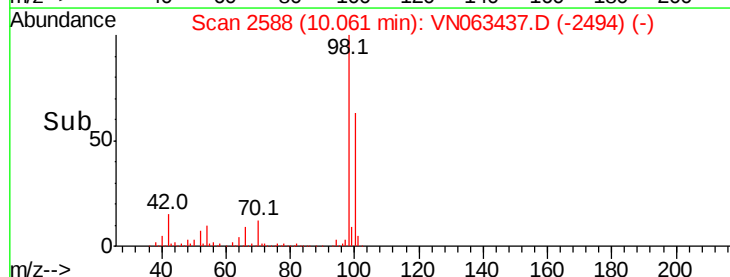
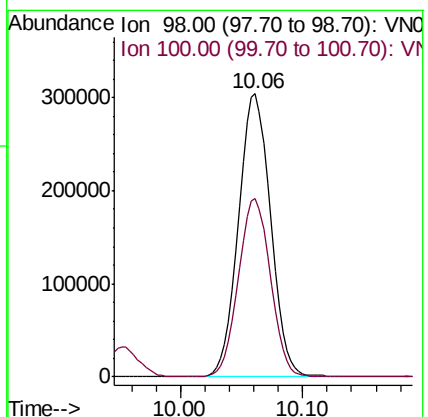
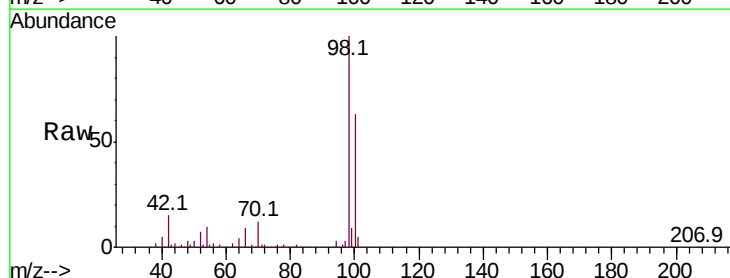
Acq: 17 Sep 2020 23:11

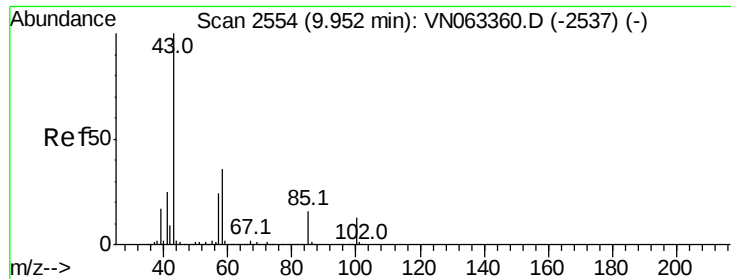
Tgt Ion: 98 Resp: 553477

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 95.767 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

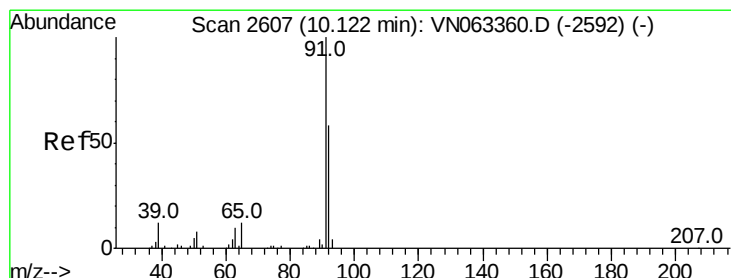
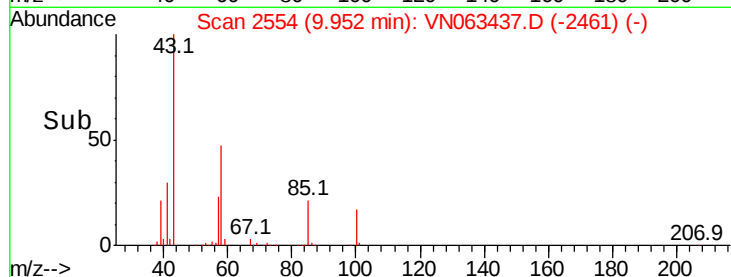
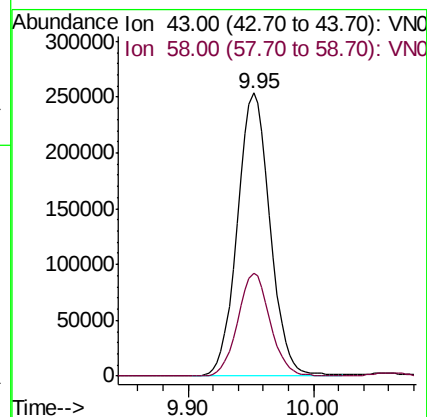
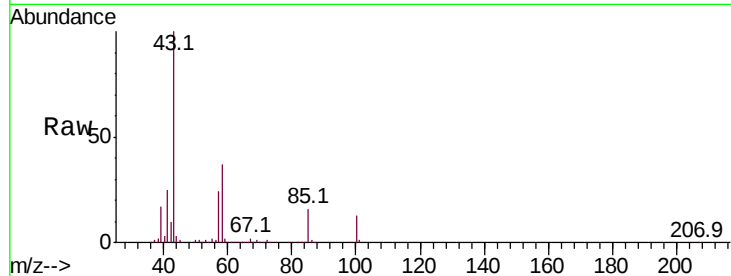
VN0917MBSD01

Tot Ion: 43 Resp: 456467

Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.6



#52

Toluene

Concen: 19.878 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063437.D

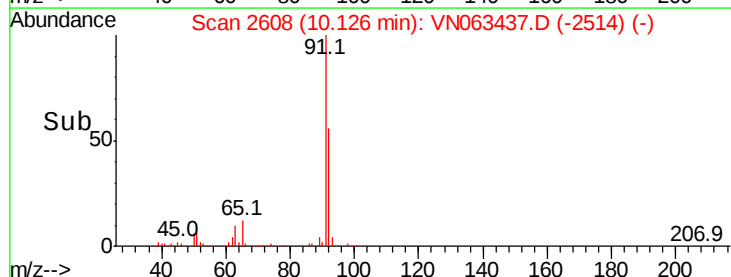
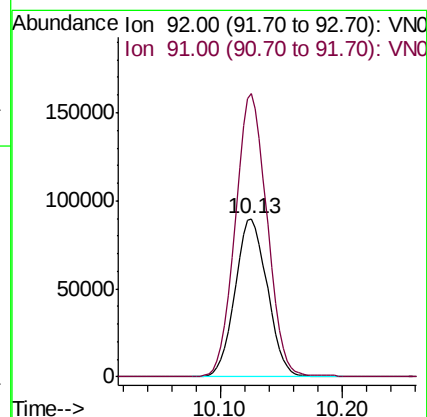
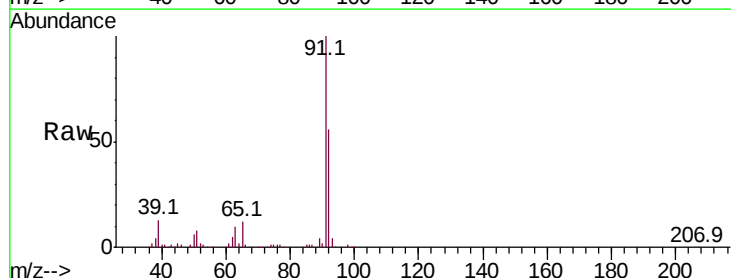
Acq: 17 Sep 2020 23:11

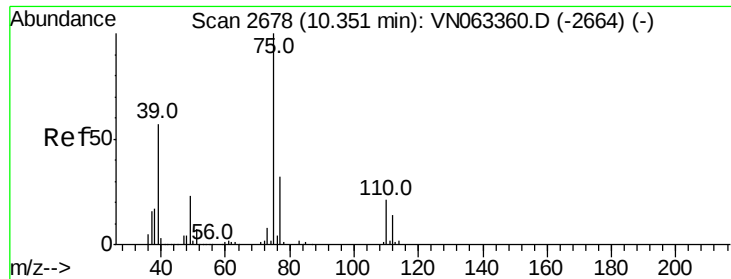
Tgt Ion: 92 Resp: 165516

Ion Ratio Lower Upper

92 100

91 176.6 139.7 209.5

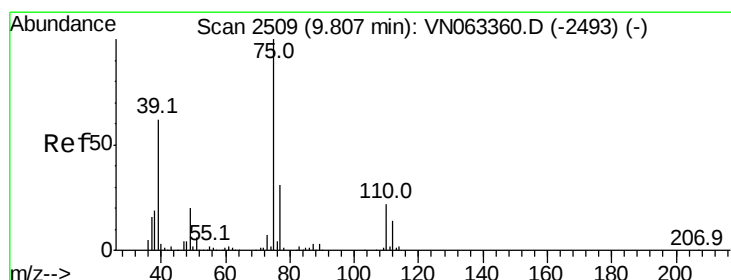
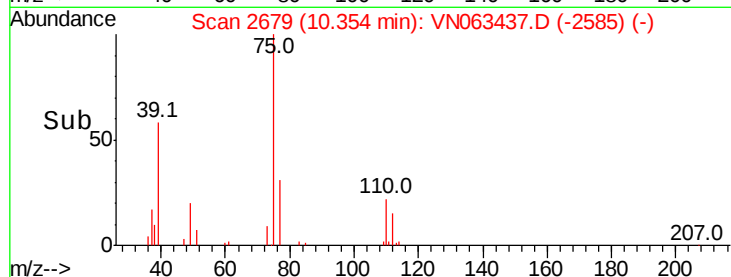
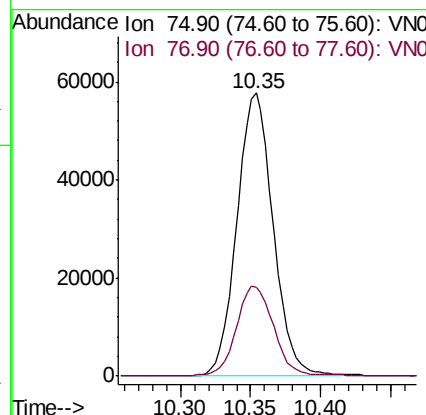
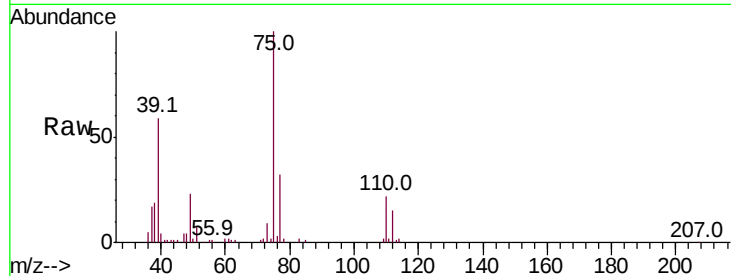




#53
 t-1,3-Dichloropropene
 Concen: 18.046 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

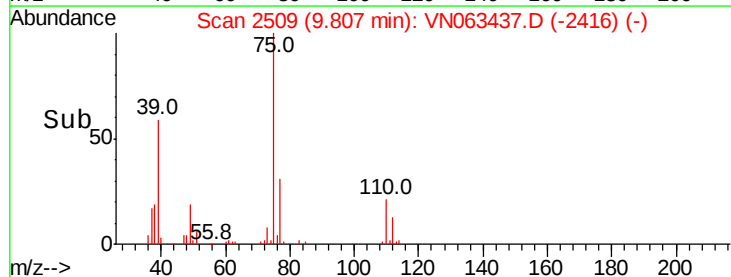
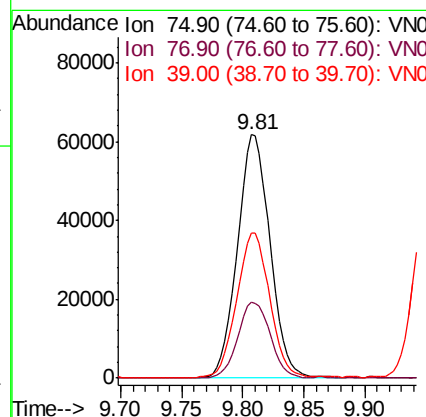
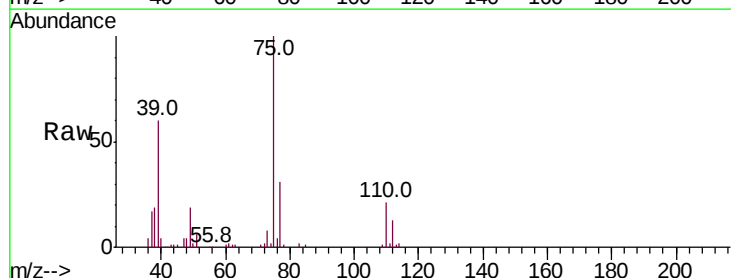
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

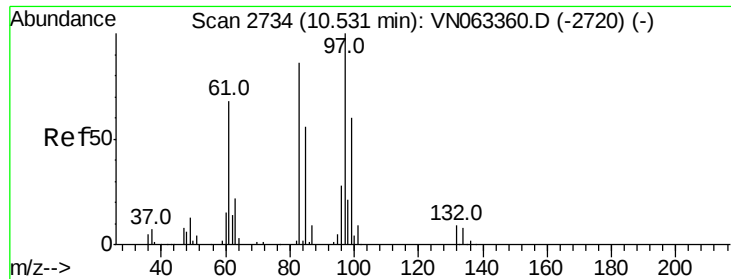
Tot Ion: 75 Resp: 103757
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.930 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion: 75 Resp: 114804
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 37.0
 39 59.5 49.8 74.8

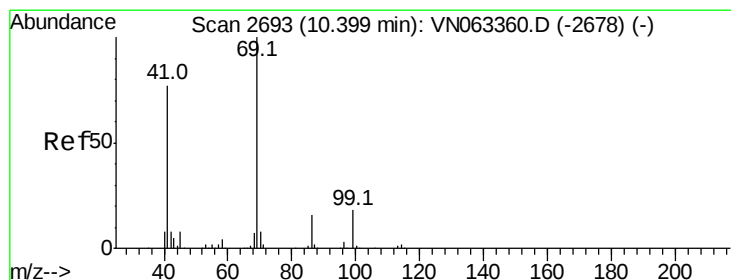
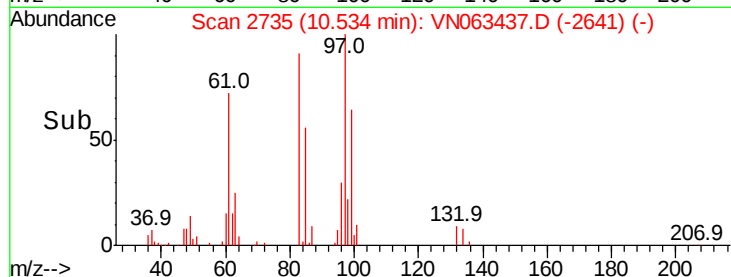
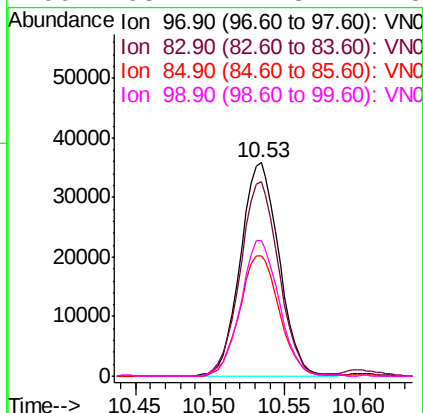
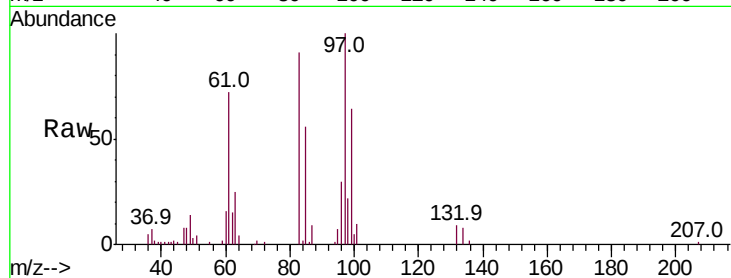




#55
 1,1,2-Trichloroethane
 Concen: 19.523 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

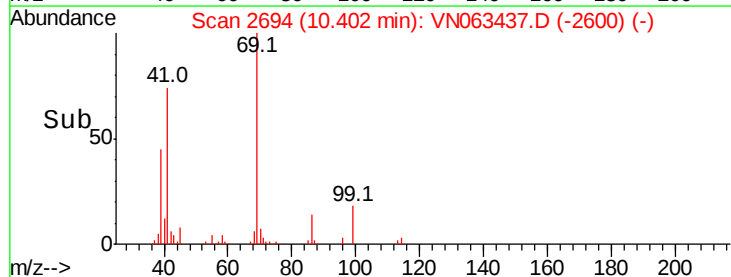
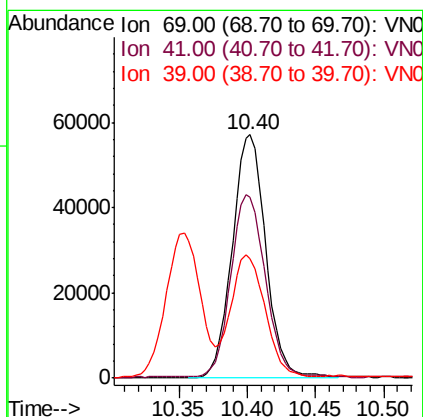
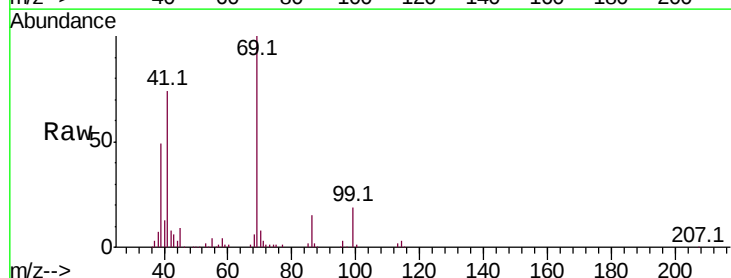
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion:	97	Resp:	64568
Ion	Ratio	Lower	Upper
97	100		
83	90.9	68.9	103.3
85	56.3	44.8	67.2
99	63.7	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 18.961 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion:	69	Resp:	97901
Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.0	91.6
39	51.5	39.2	58.8





#57

1,3-Dichloropropane

Concen: 19.473 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

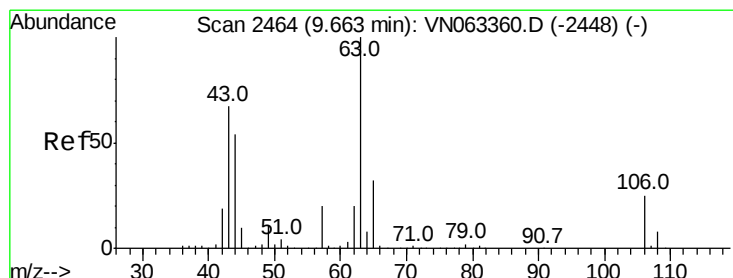
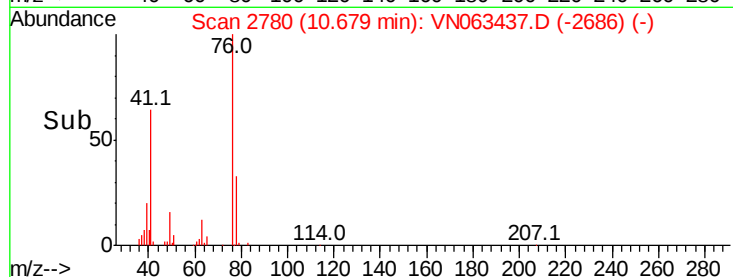
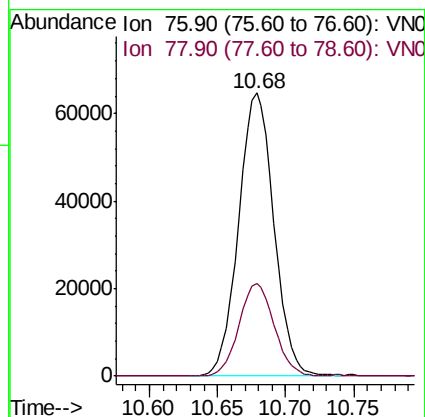
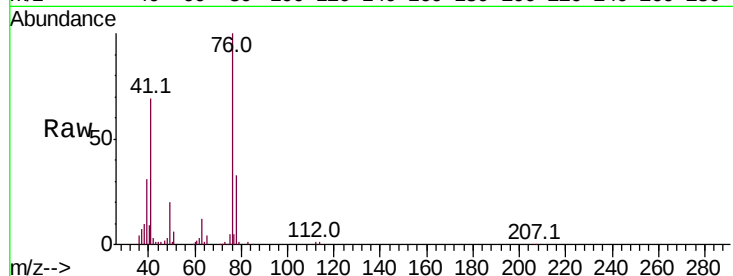
VN0917MBSD01

Tot Ion: 76 Resp: 116144

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 88.525 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063437.D

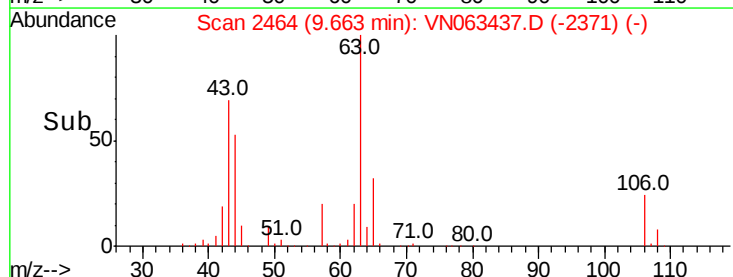
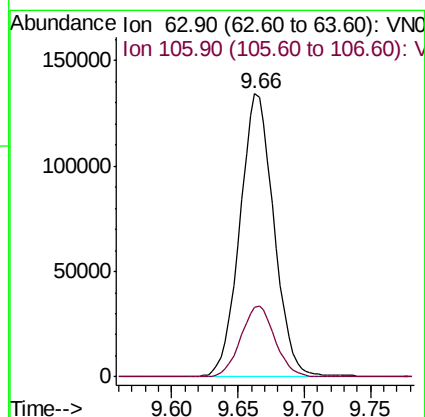
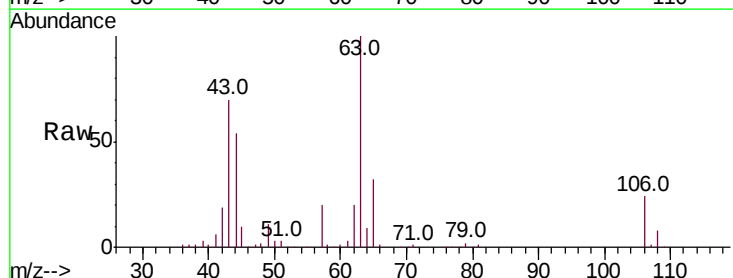
Acq: 17 Sep 2020 23:11

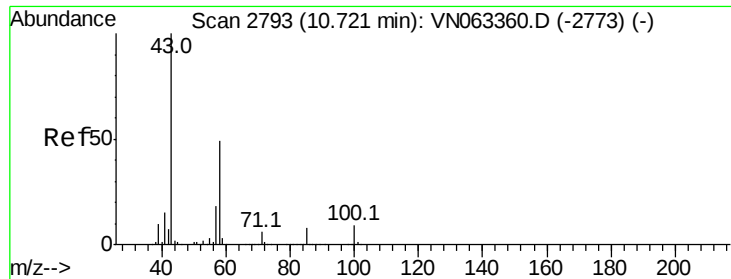
Tgt Ion: 63 Resp: 239770

Ion Ratio Lower Upper

63 100

106 25.1 19.5 29.3





#59

2-Hexanone

Concen: 94.243 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

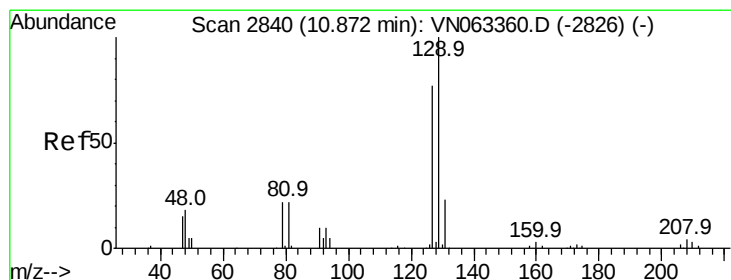
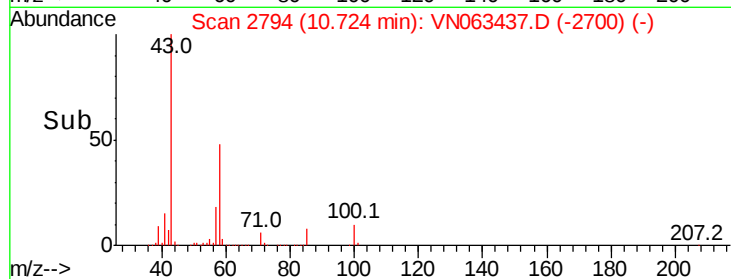
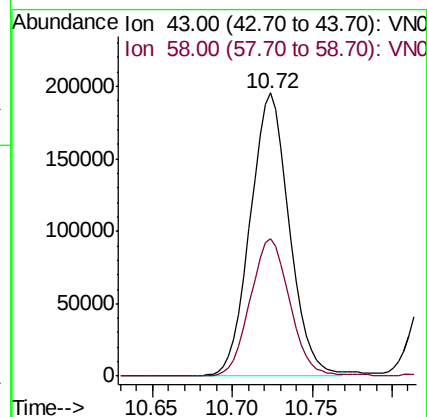
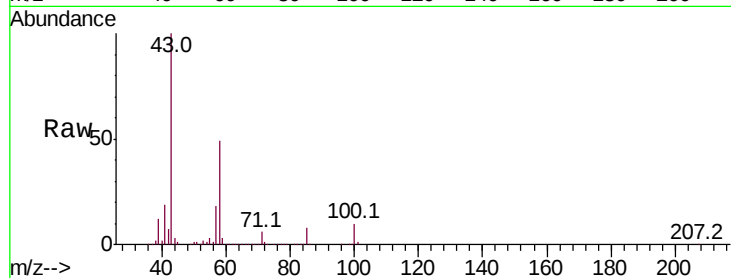
VN0917MBSD01

Tot Ion: 43 Resp: 325436

Ion Ratio Lower Upper

43 100

58 49.6 24.7 74.1



#60

Dibromochloromethane

Concen: 18.879 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063437.D

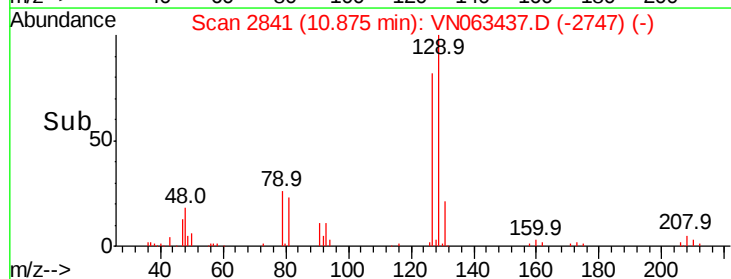
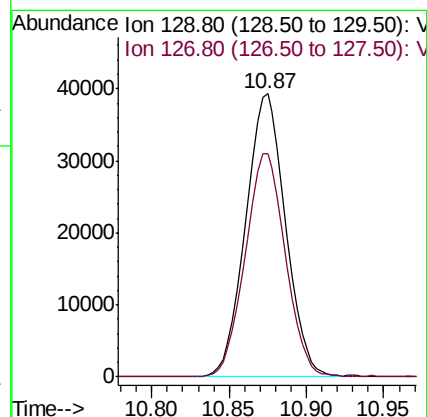
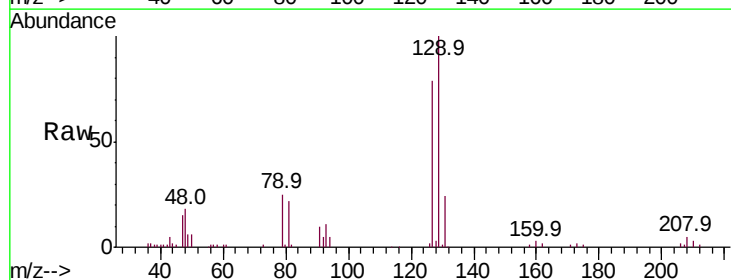
Acq: 17 Sep 2020 23:11

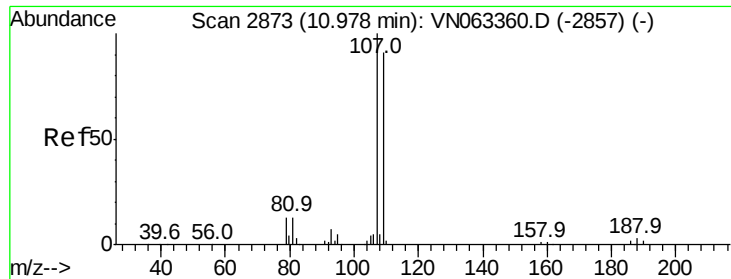
Tgt Ion: 129 Resp: 70541

Ion Ratio Lower Upper

129 100

127 79.4 39.1 117.3

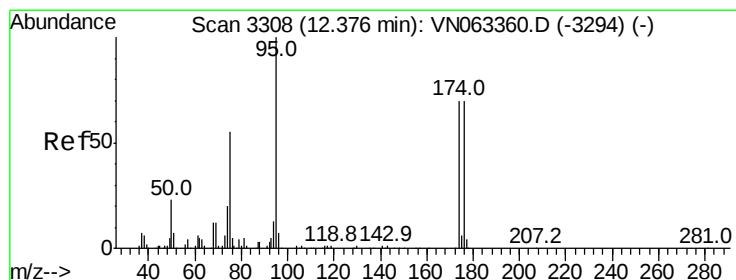
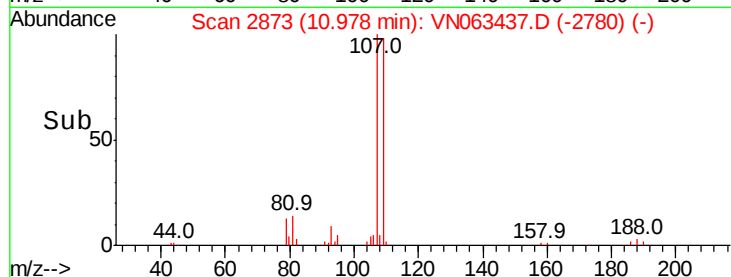
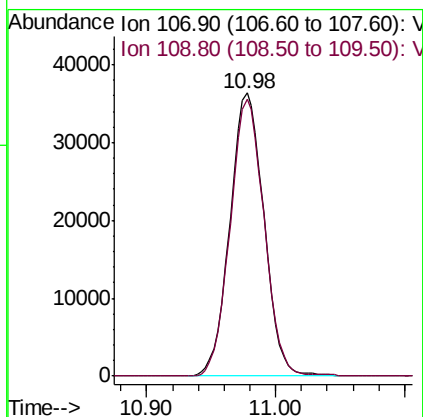
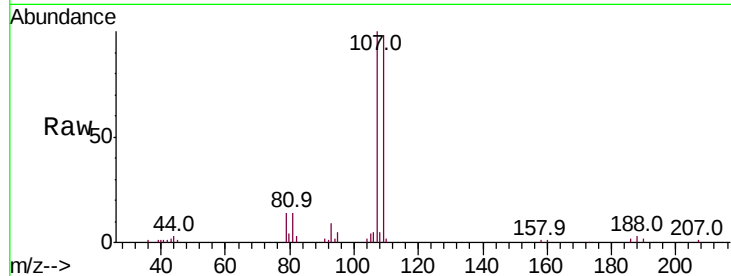




#61
 1,2-Dibromoethane
 Concen: 19.377 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

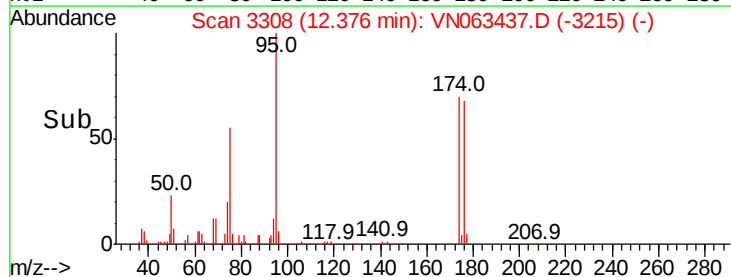
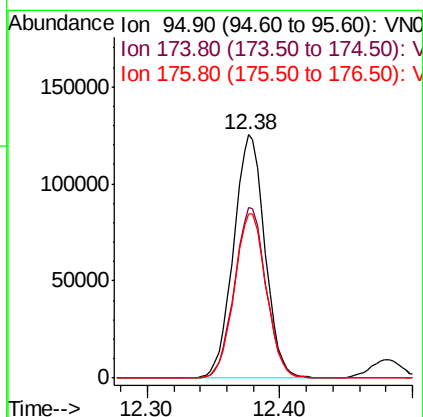
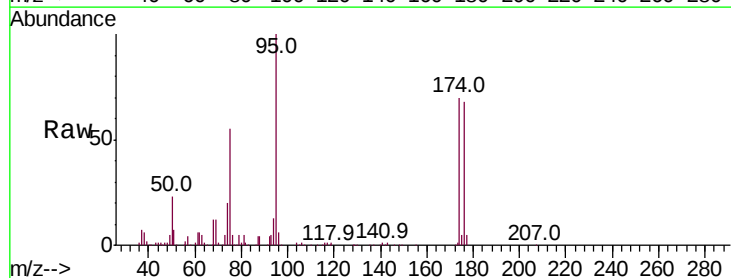
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

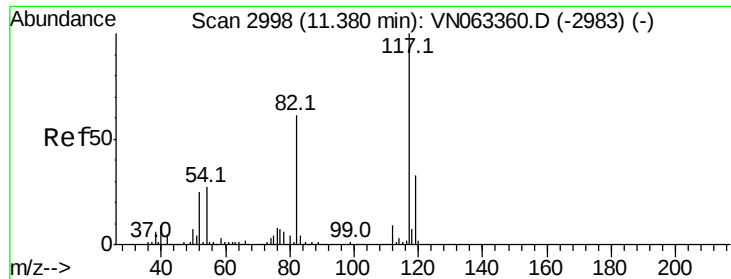
Tot Ion:107 Resp: 66582
 Ion Ratio Lower Upper
 107 100
 109 97.5 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 47.174 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion: 95 Resp: 204994
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 140.8
 176 69.0 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: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

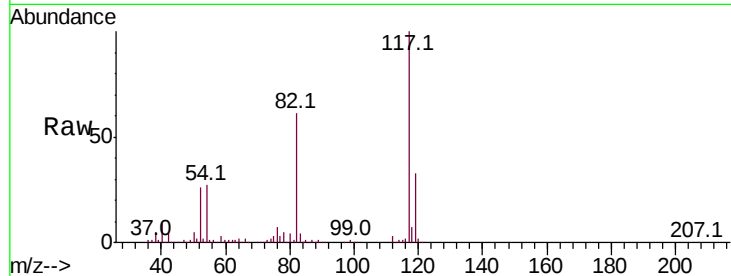
Tot Ion:117 Resp: 413678

Ion Ratio Lower Upper

117 100

82 60.9 49.2 73.8

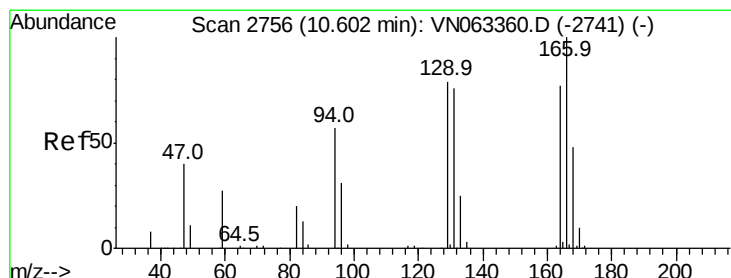
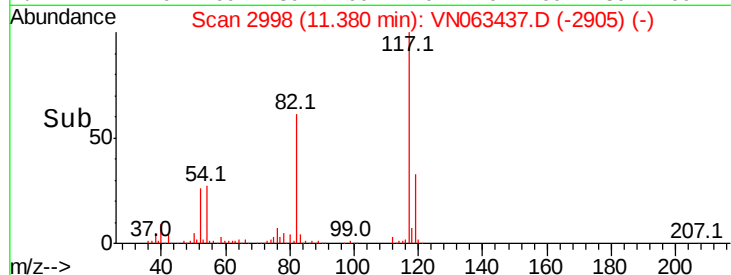
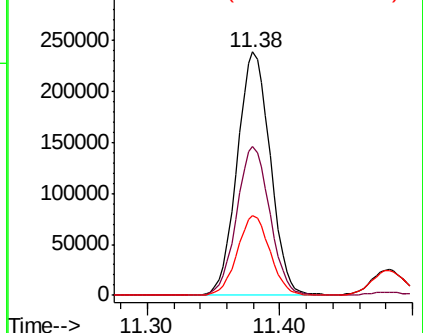
119 33.0 26.2 39.4



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: 21.708 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:164 Resp: 61147

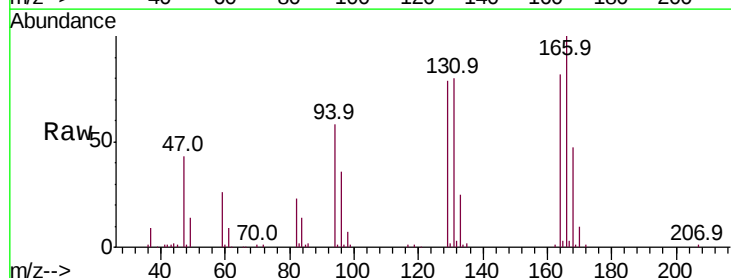
Ion Ratio Lower Upper

164 100

166 122.0 103.4 155.0

129 96.6 81.8 122.6

131 97.1 78.2 117.4

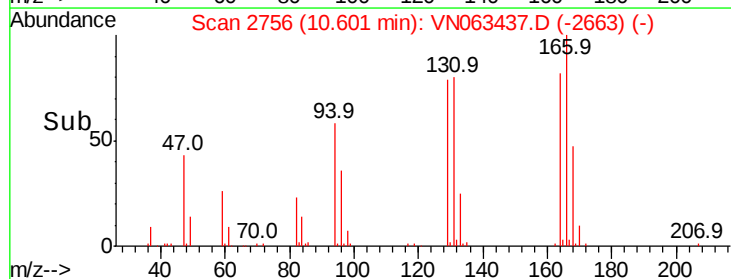
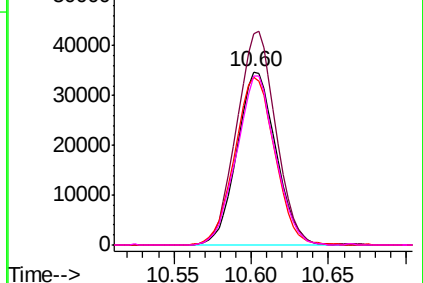


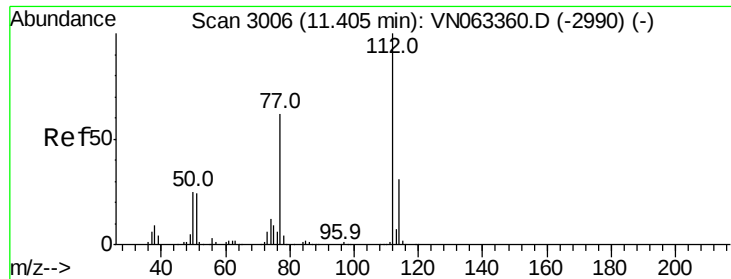
Abundance Ion 163.80 (163.50 to 164.50): V

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

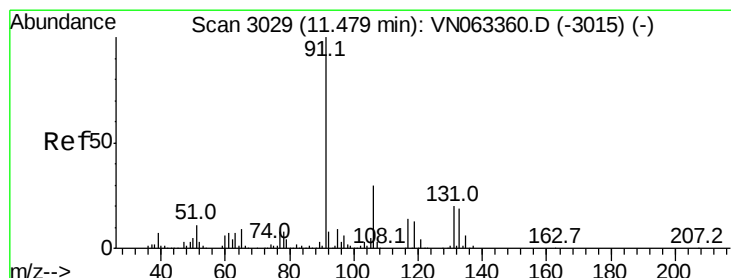
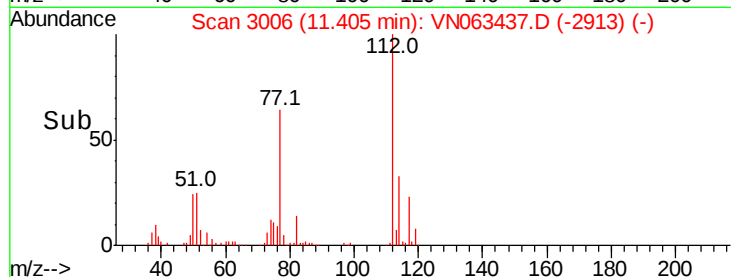
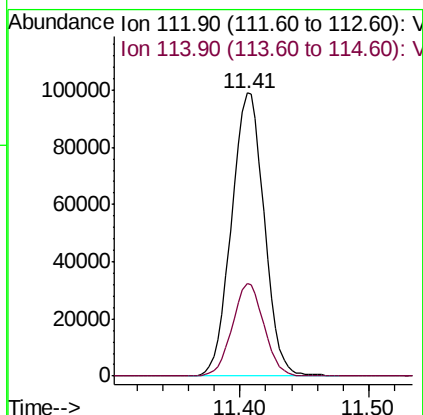
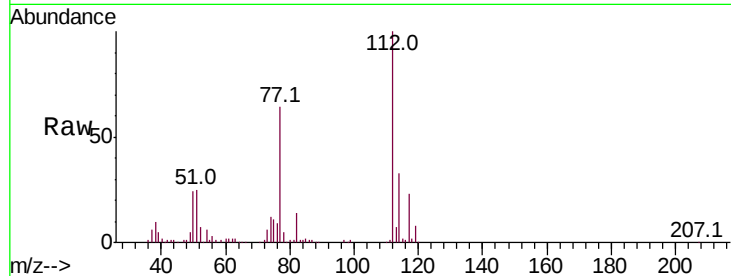




#65
Chlorobenzene
Concen: 19.865 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

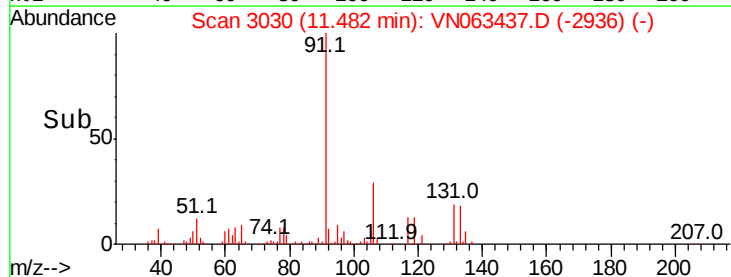
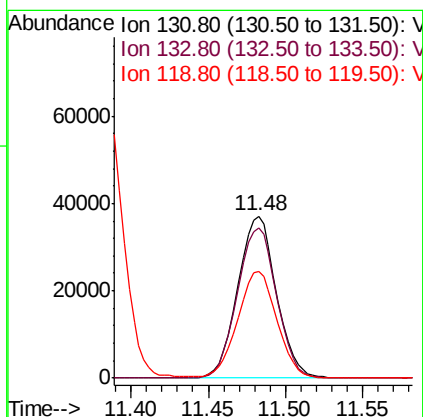
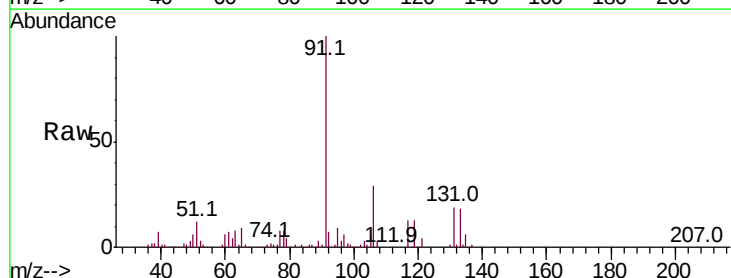
Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

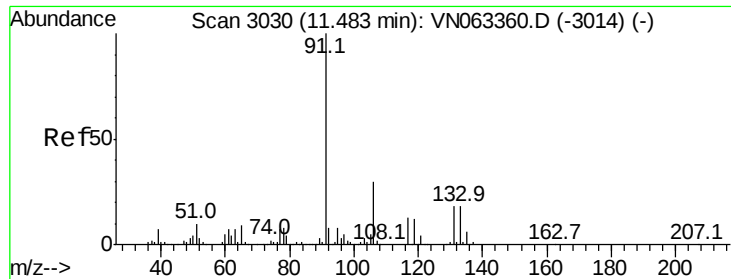
Tot Ion:112 Resp: 174438
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.952 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion:131 Resp: 64223
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 67.4 33.6 100.8





#67

Ethyl Benzene

Concen: 19.831 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

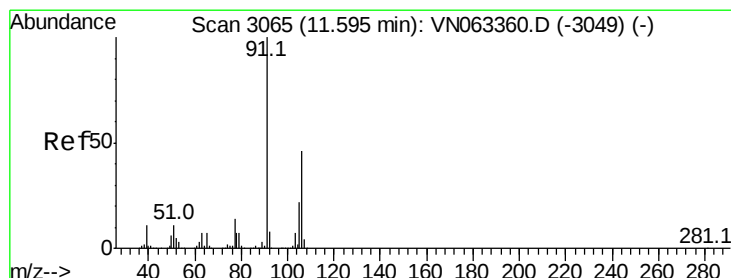
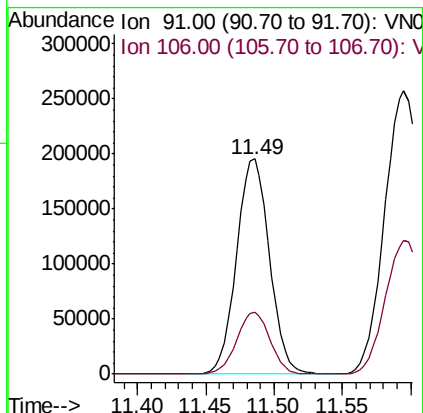
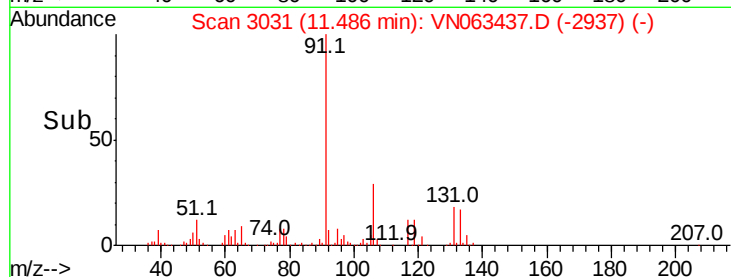
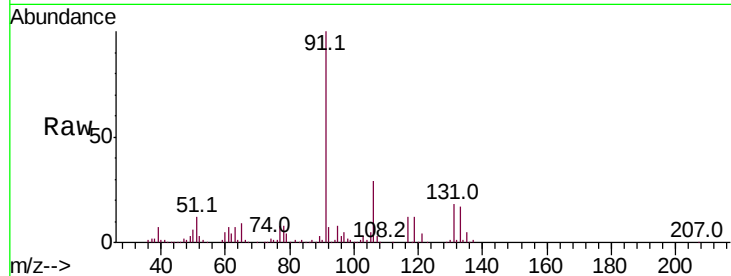
VN0917MBSD01

Tot Ion: 91 Resp: 327945

Ion Ratio Lower Upper

91 100

106 28.9 23.8 35.6



#68

m/p-Xylenes

Concen: 39.625 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063437.D

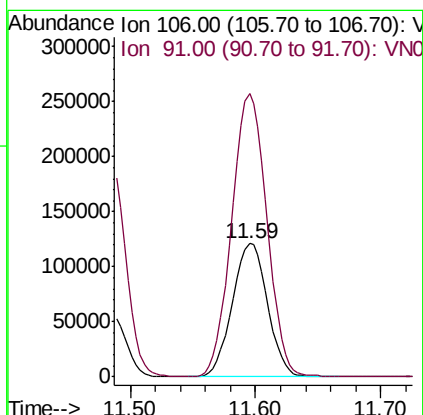
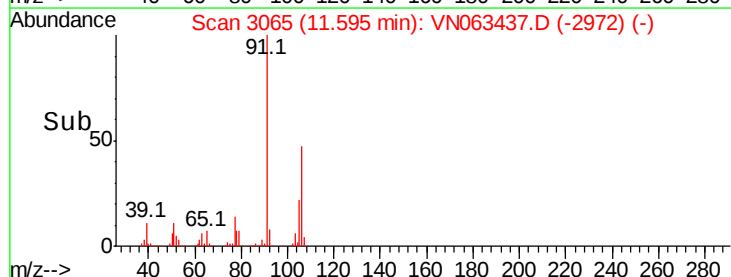
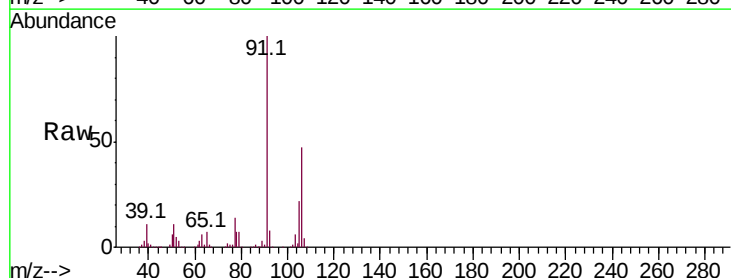
Acq: 17 Sep 2020 23:11

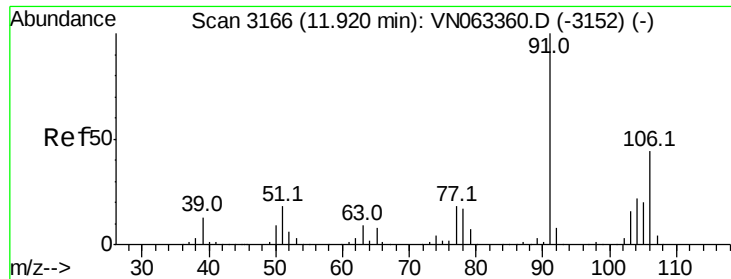
Tgt Ion: 106 Resp: 236259

Ion Ratio Lower Upper

106 100

91 211.6 171.2 256.8

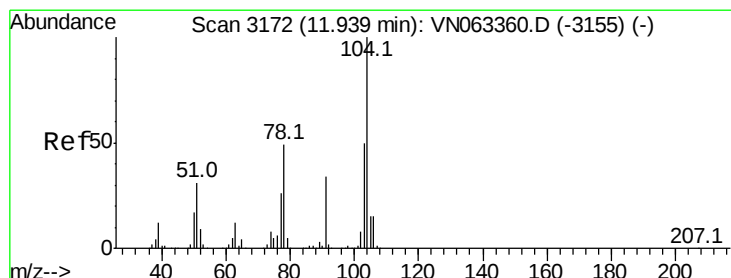
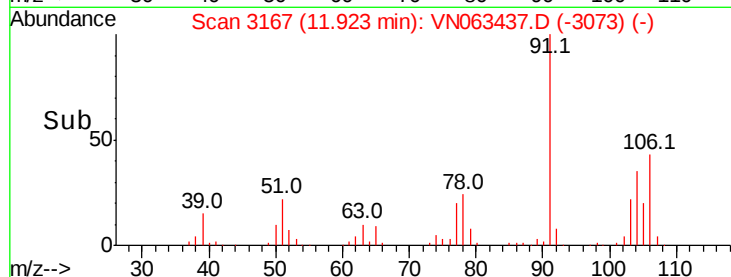
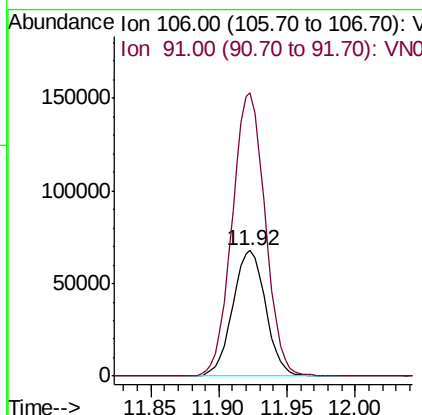
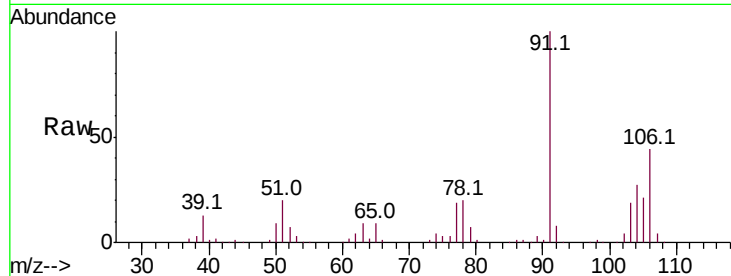




#69
o-Xylene
Concen: 20.087 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

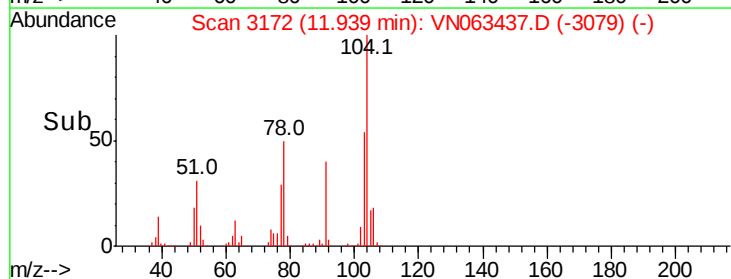
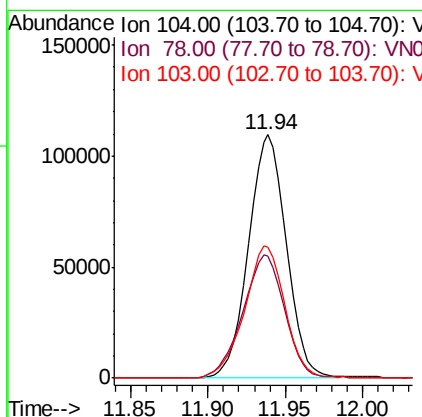
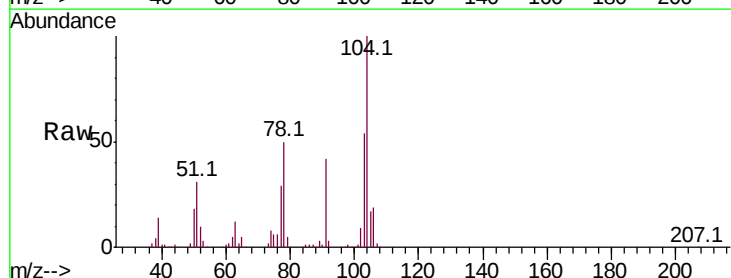
Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

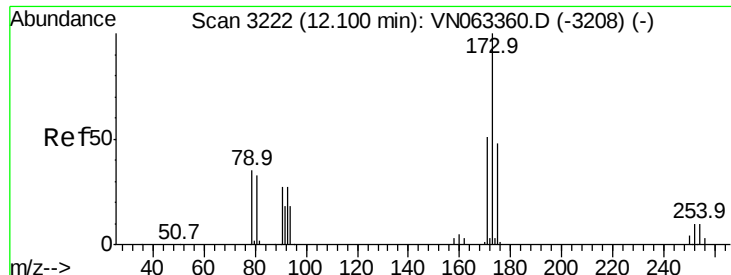
Tot Ion:106 Resp: 114090
Ion Ratio Lower Upper
106 100
91 225.8 113.6 340.8



#70
Styrene
Concen: 19.582 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion:104 Resp: 186519
Ion Ratio Lower Upper
104 100
78 56.3 44.4 66.6
103 58.1 43.7 65.5





#71

Bromoform

Concen: 19.386 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

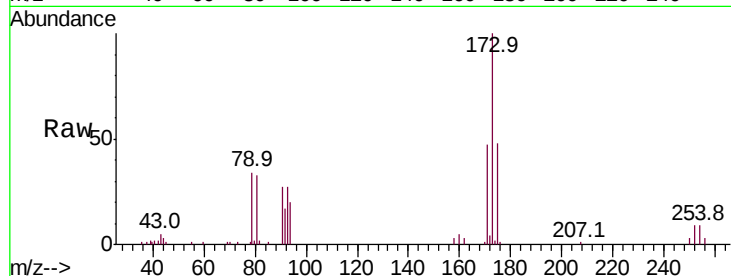
Tot Ion:173 Resp: 46487

Ion Ratio Lower Upper

173 100

175 46.8 24.0 72.0

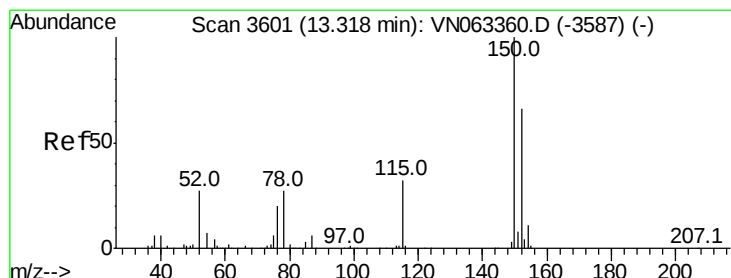
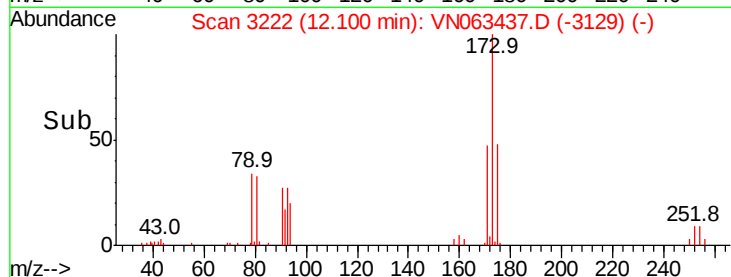
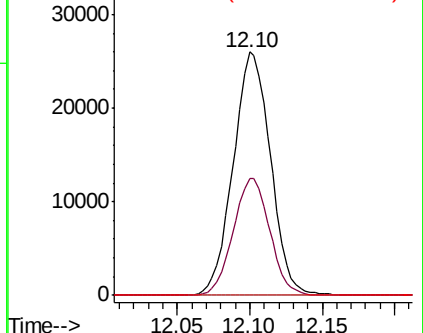
254 0.0 0.0 0.0



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: VN063437.D

Acq: 17 Sep 2020 23:11

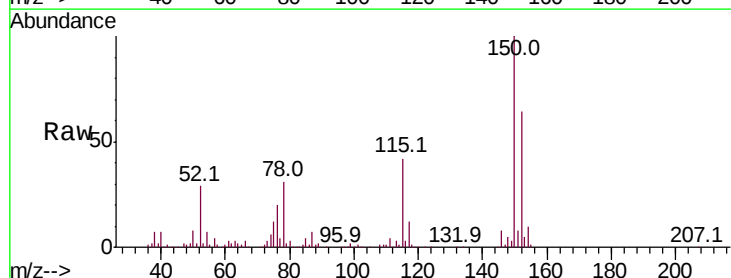
Tgt Ion:152 Resp: 190642

Ion Ratio Lower Upper

152 100

115 65.1 32.2 96.6

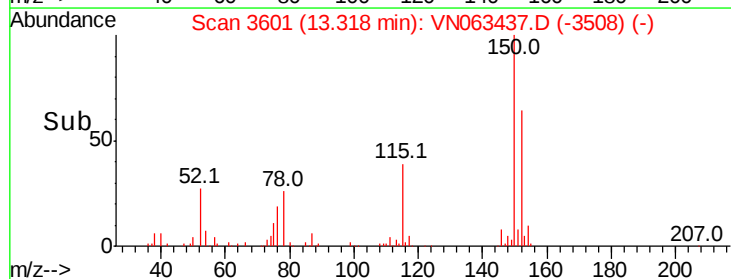
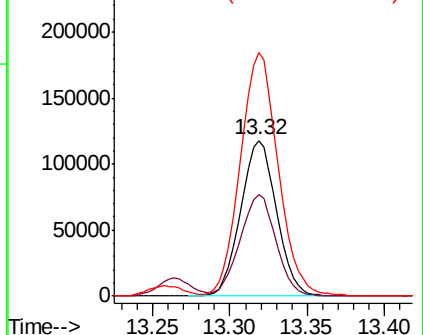
150 164.8 0.0 343.4

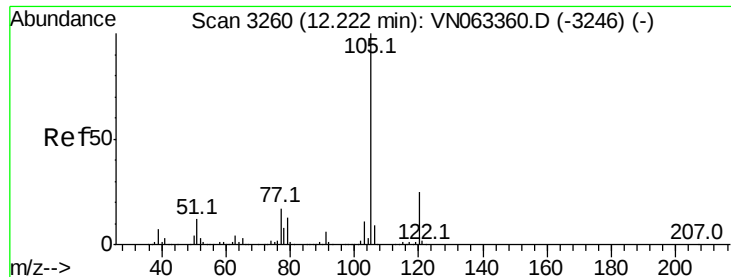


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.143 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

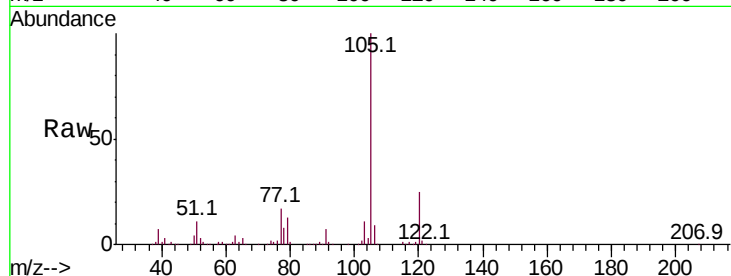
VN0917MBS01

Tot Ion:105 Resp: 307720

Ion Ratio Lower Upper

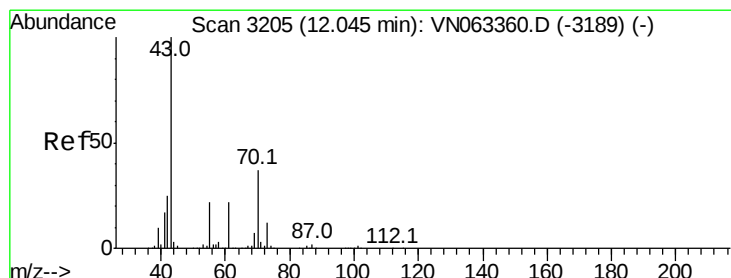
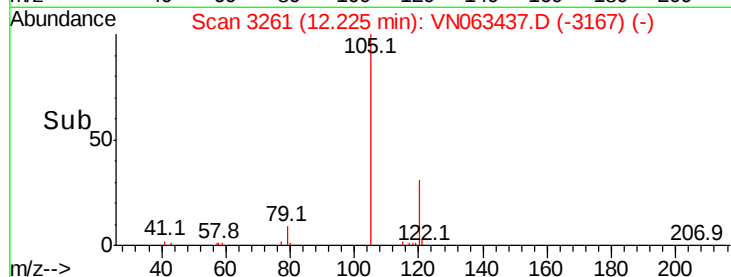
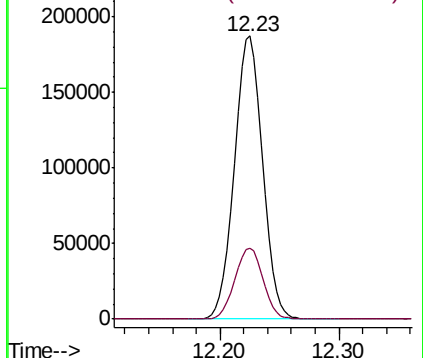
105 100

120 25.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.909 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion: 43 Resp: 136742

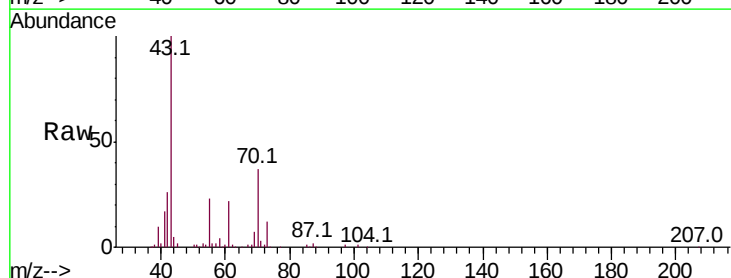
Ion Ratio Lower Upper

43 100

70 37.0 29.6 44.4

55 22.7 17.7 26.5

61 22.2 17.4 26.2

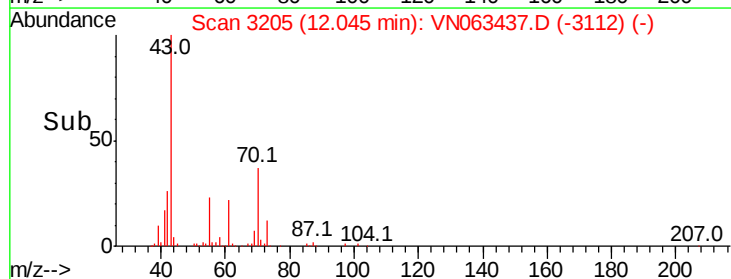
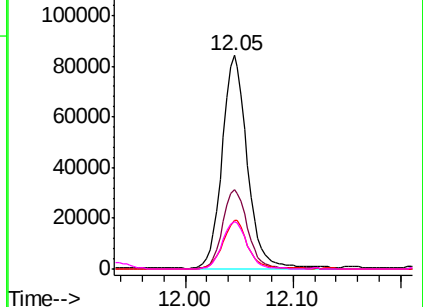


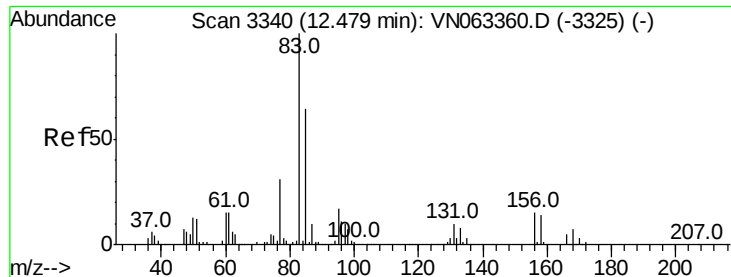
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.790 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

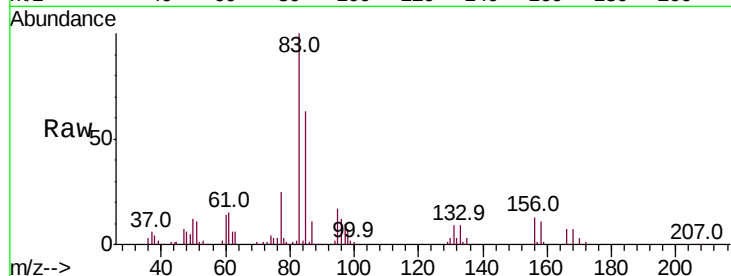
Tot Ion: 83 Resp: 93612

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

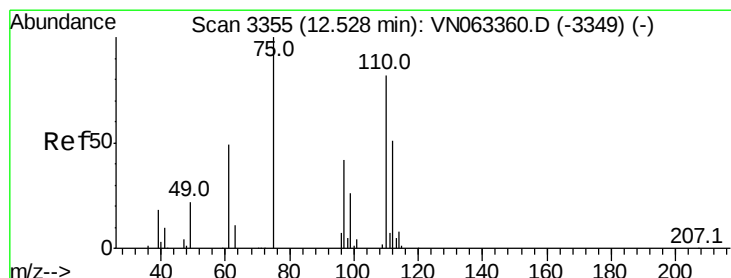
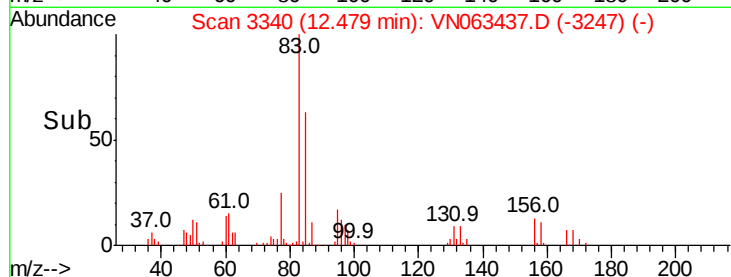
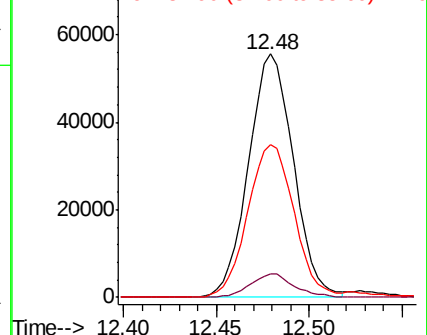
85 64.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.941 ug/l

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063437.D

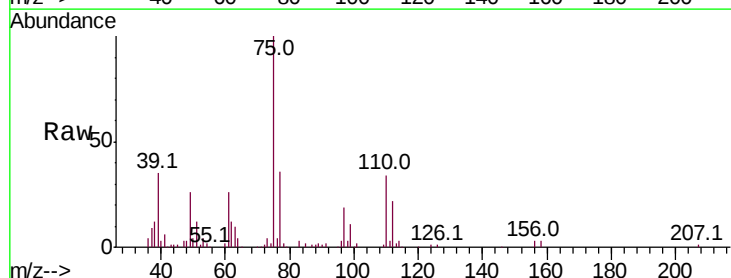
Acq: 17 Sep 2020 23:11

Tgt Ion: 75 Resp: 127126

Ion Ratio Lower Upper

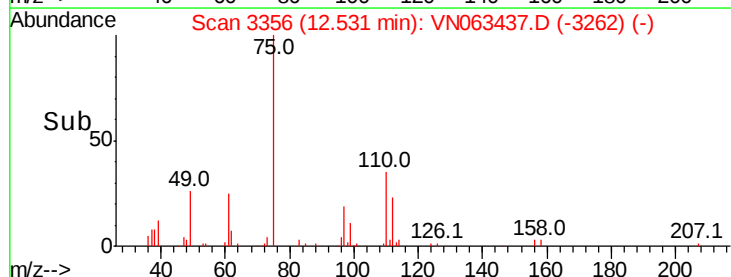
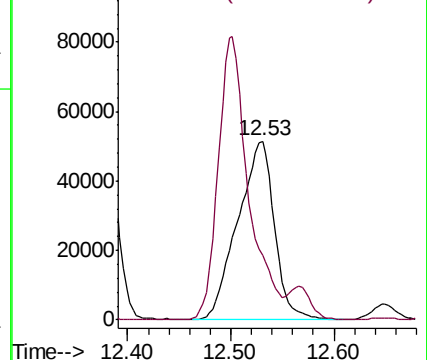
75 100

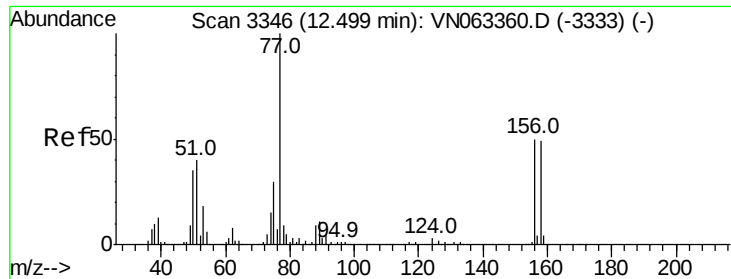
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.740 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampled :

VN0917MBSD01

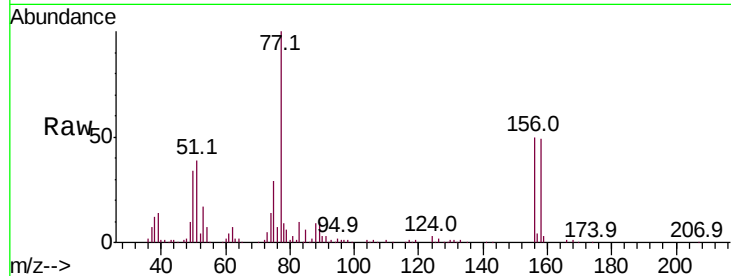
Tot Ion:156 Resp: 71272

Ion Ratio Lower Upper

156 100

77 233.6 120.2 360.6

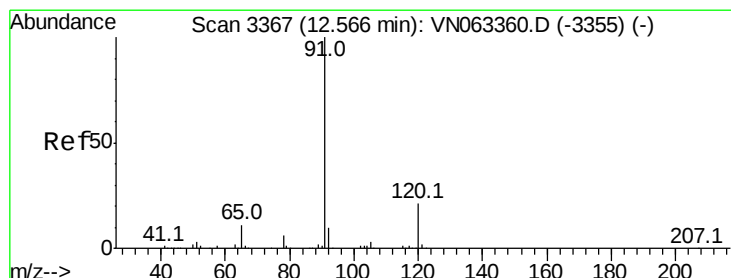
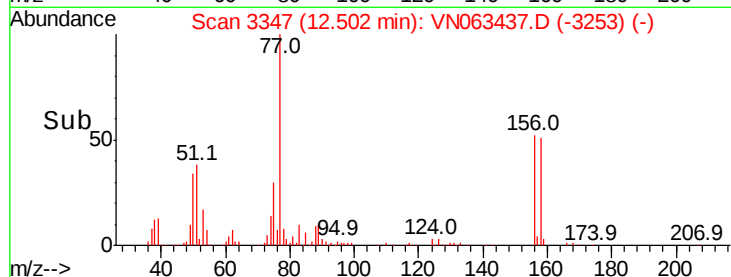
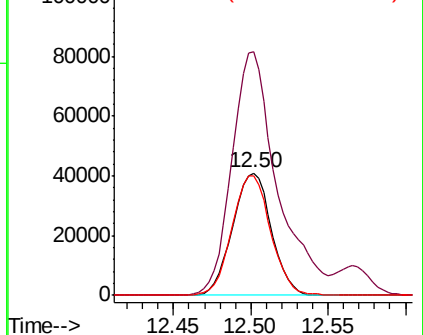
158 97.2 48.9 146.6



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: 20.021 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063437.D

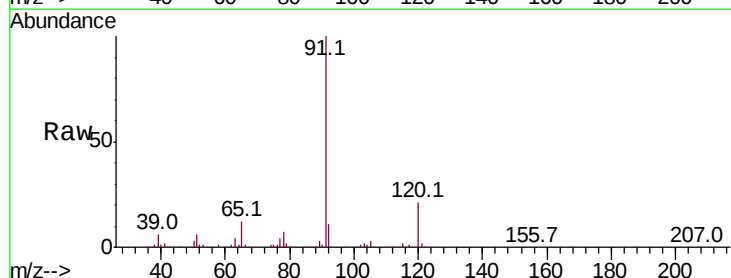
Acq: 17 Sep 2020 23:11

Tgt Ion: 91 Resp: 356241

Ion Ratio Lower Upper

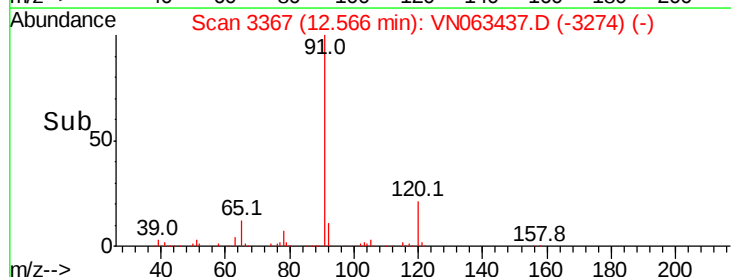
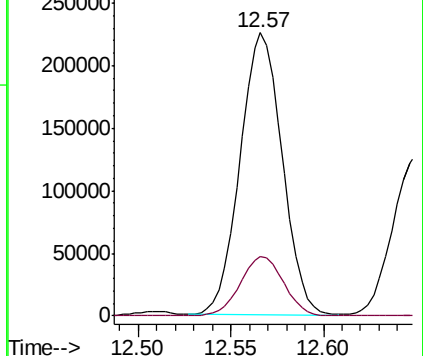
91 100

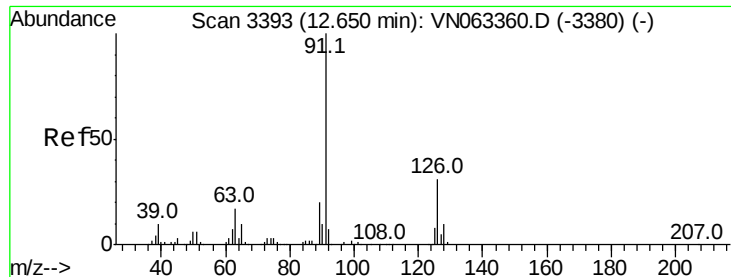
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.122 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

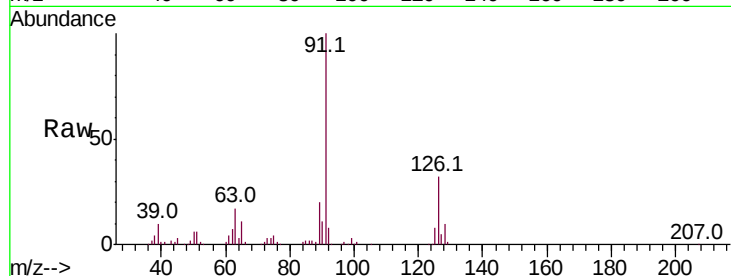
VN0917MBSD01

Tot Ion: 91 Resp: 214621

Ion Ratio Lower Upper

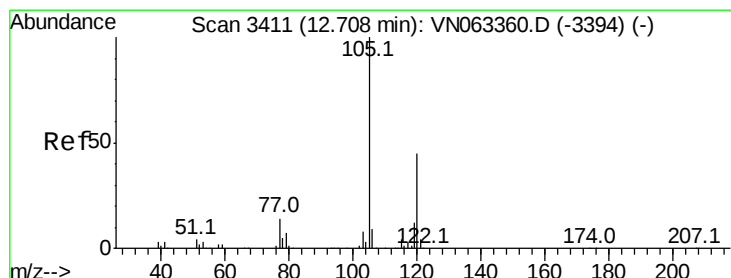
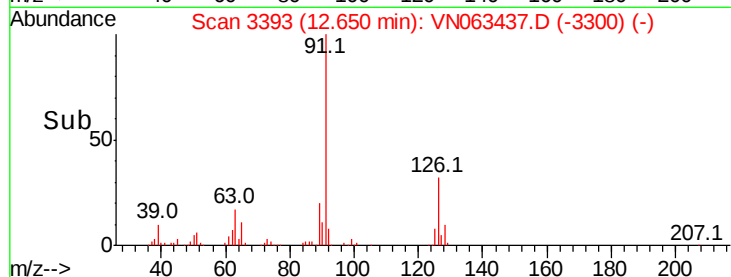
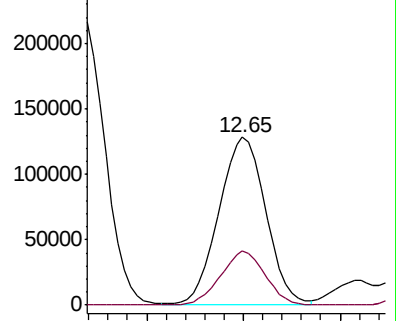
91 100

126 31.1 15.8 47.3



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

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



#80

1,3,5-Trimethylbenzene

Concen: 20.335 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063437.D

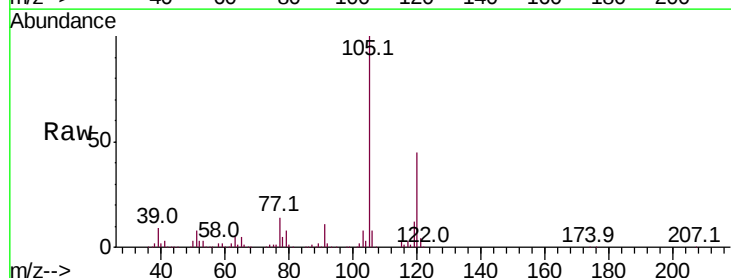
Acq: 17 Sep 2020 23:11

Tgt Ion:105 Resp: 259044

Ion Ratio Lower Upper

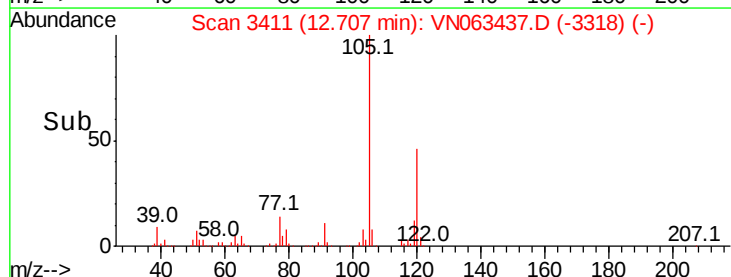
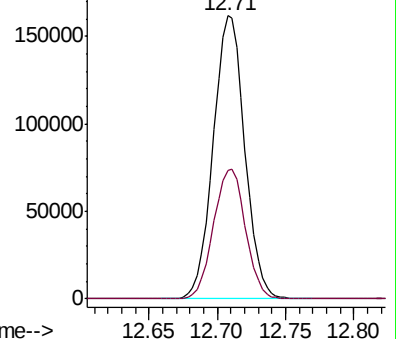
105 100

120 46.5 22.9 68.8



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 16.685 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

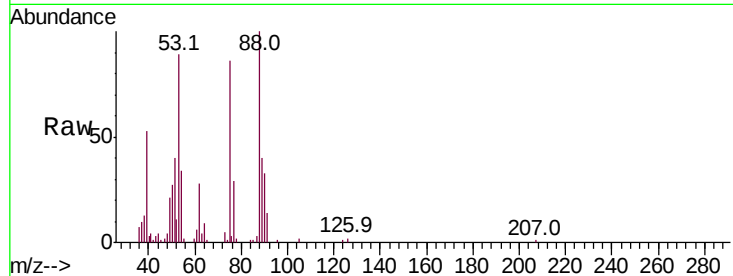
MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion: 75 Resp: 28717

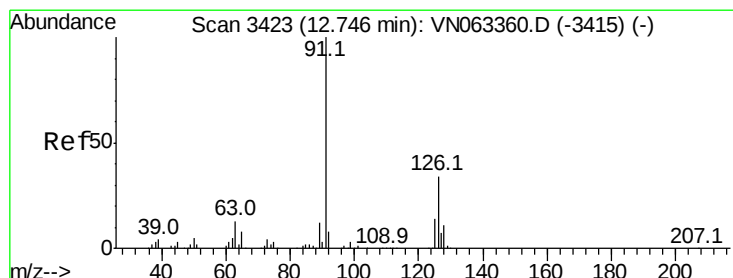
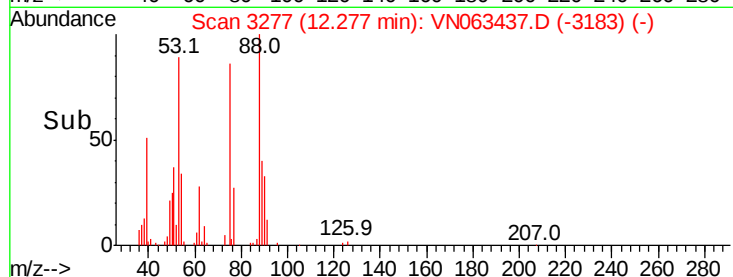
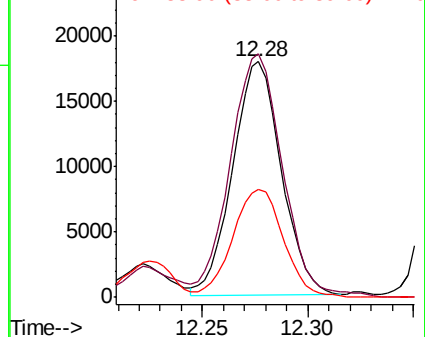
Ion	Ratio	Lower	Upper
75	100		
53	112.3	85.7	128.5
89	48.5	38.0	57.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.811 ug/l

RT: 12.75 min Scan# 3423

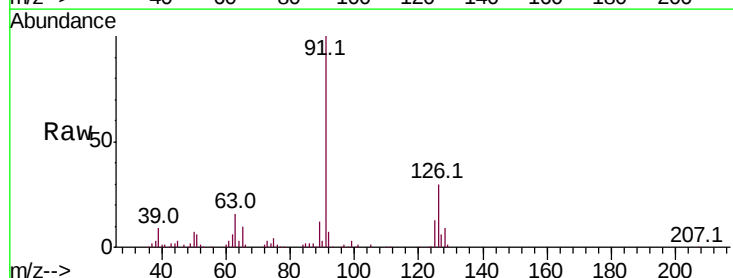
Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

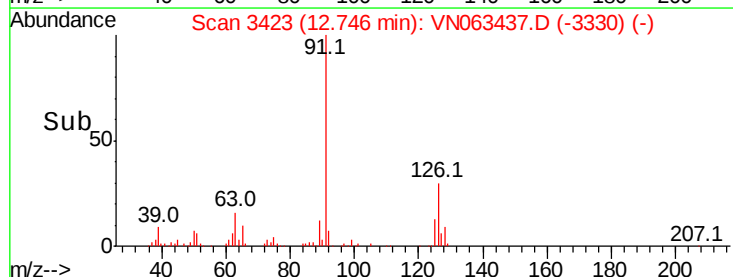
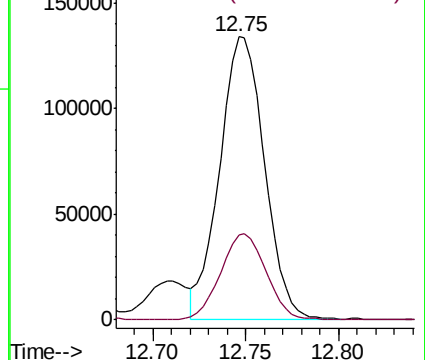
Tgt Ion: 91 Resp: 223267

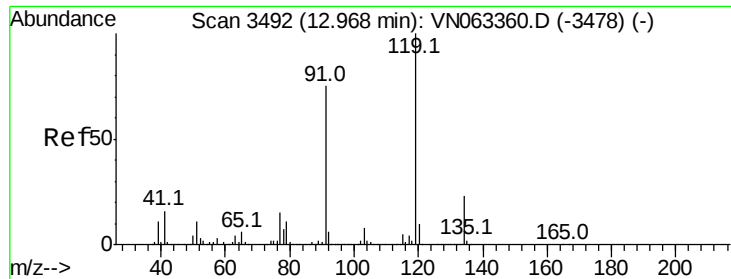
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

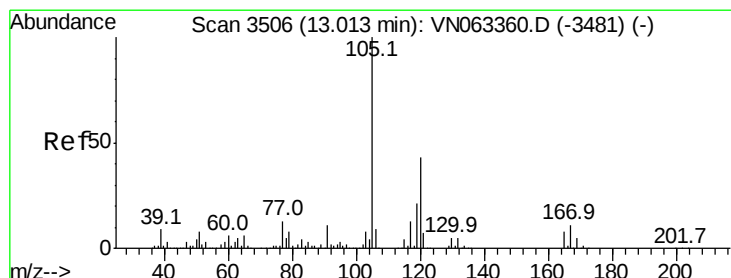
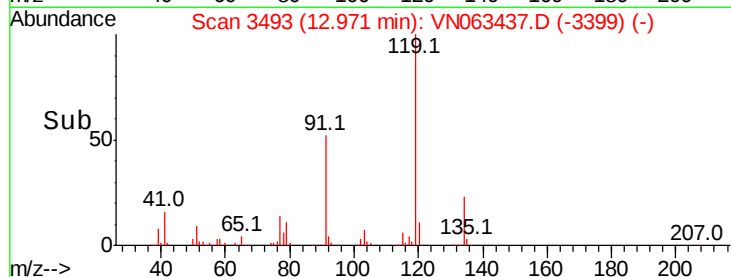
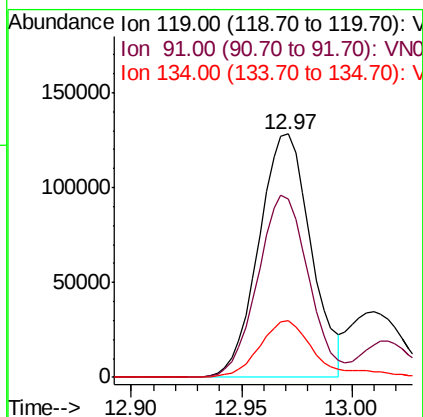
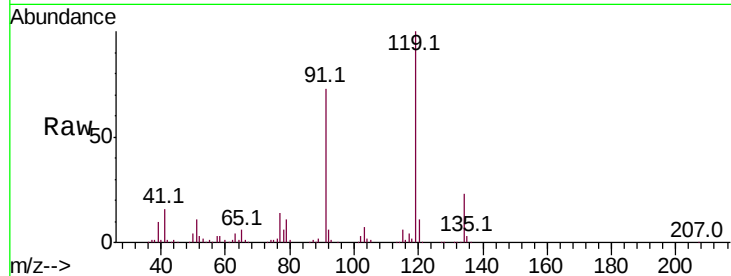




#83
tert-Butylbenzene
Concen: 19.975 ug/l
RT: 12.97 min Scan# 3493
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

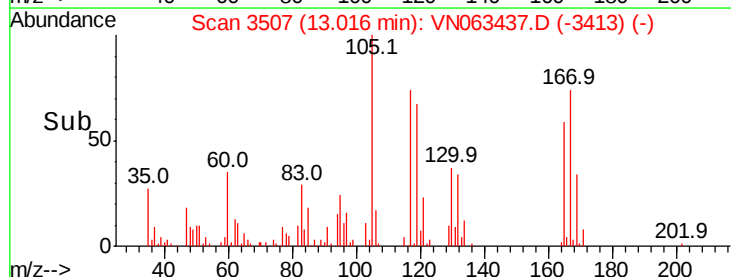
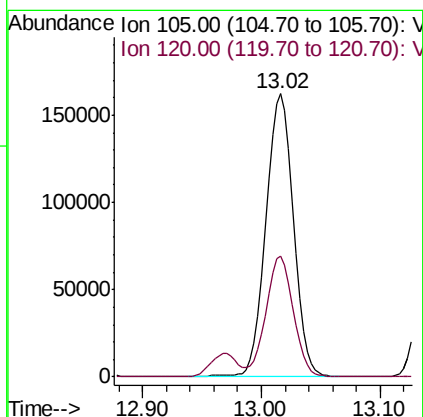
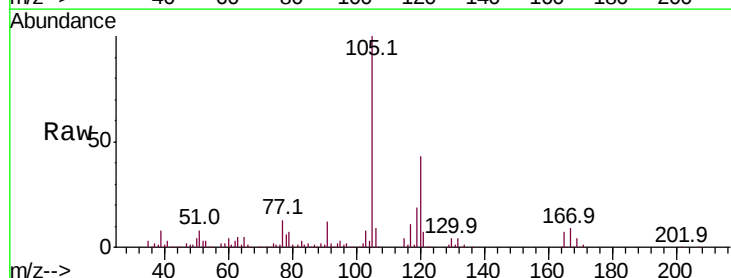
Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

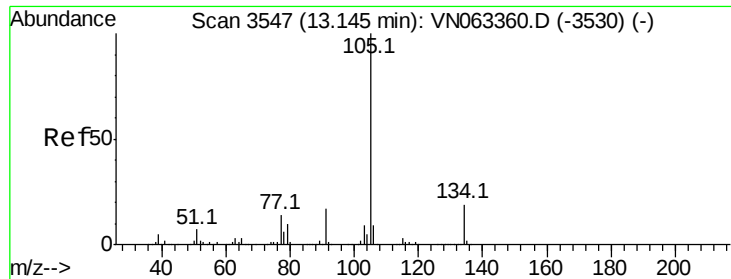
Tot Ion:119 Resp: 210021
Ion Ratio Lower Upper
119 100
91 73.3 36.3 108.9
134 25.0 12.3 36.8



#84
1,2,4-Trimethylbenzene
Concen: 20.298 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion:105 Resp: 261184
Ion Ratio Lower Upper
105 100
120 42.3 21.3 63.9

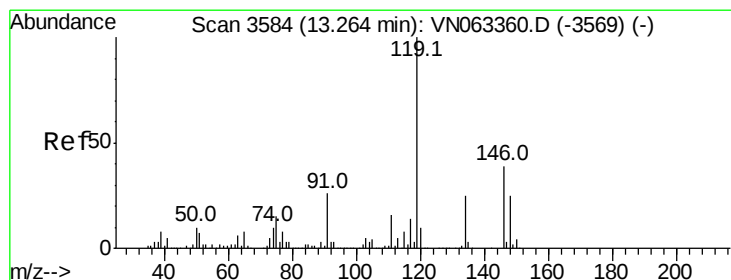
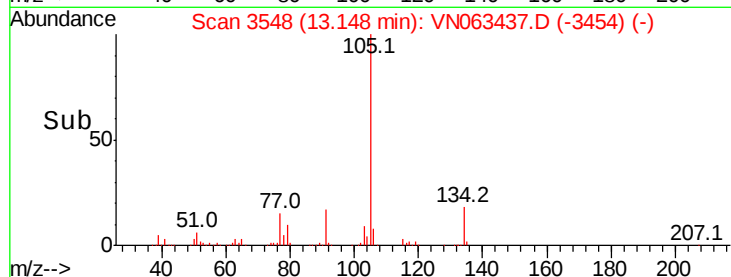
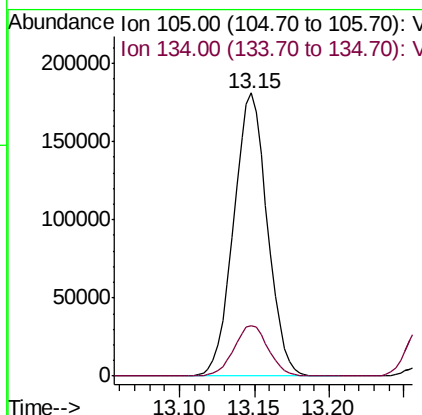
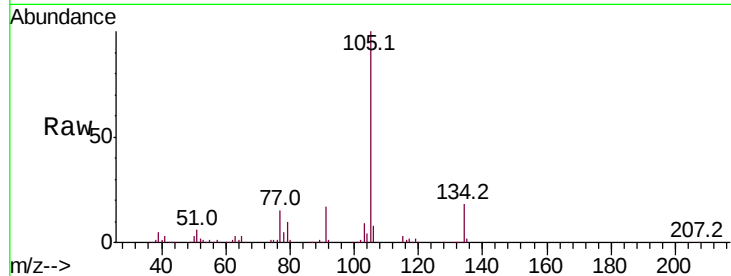




#85
 sec-Butylbenzene
 Concen: 20.036 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

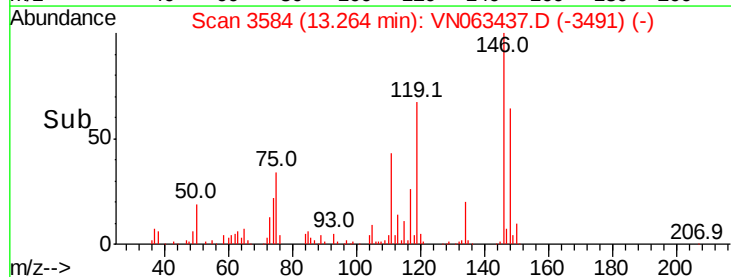
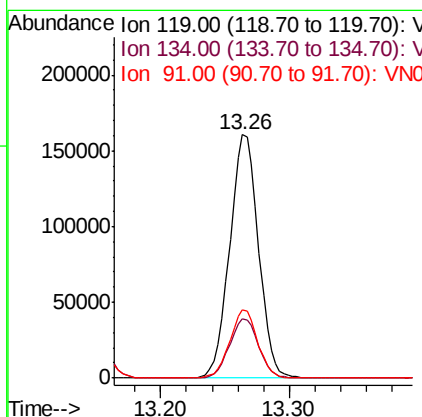
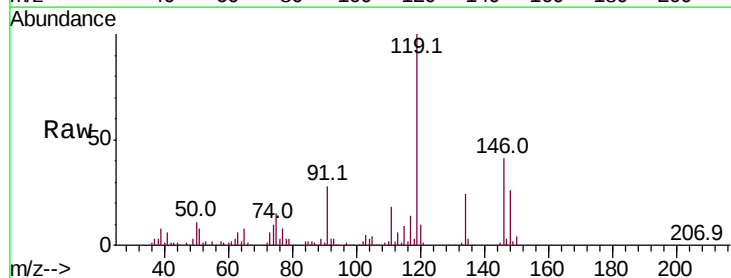
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

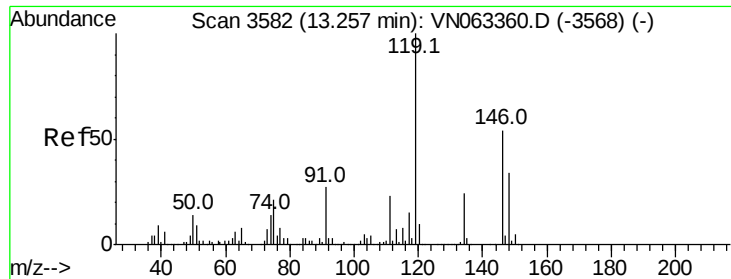
Tot Ion:105 Resp: 281978
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 19.940 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion:119 Resp: 247525
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 27.1 13.4 40.1

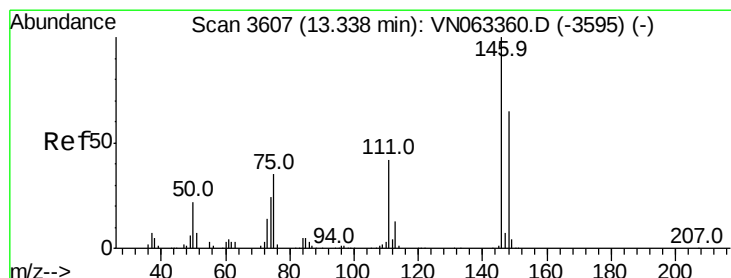
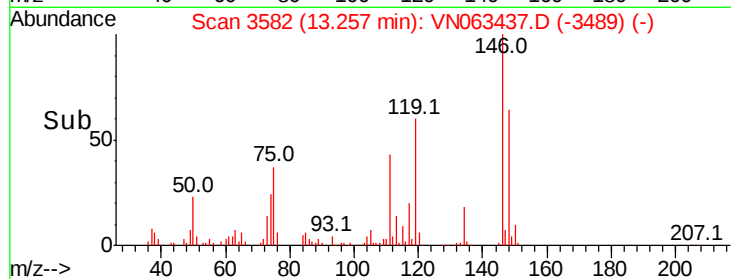
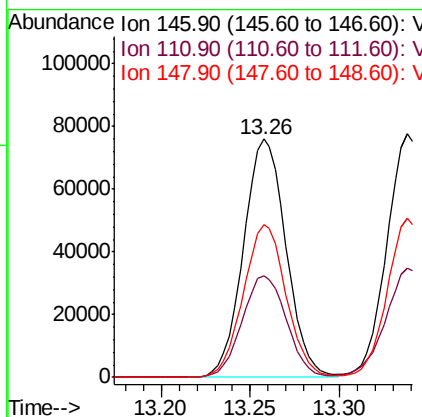
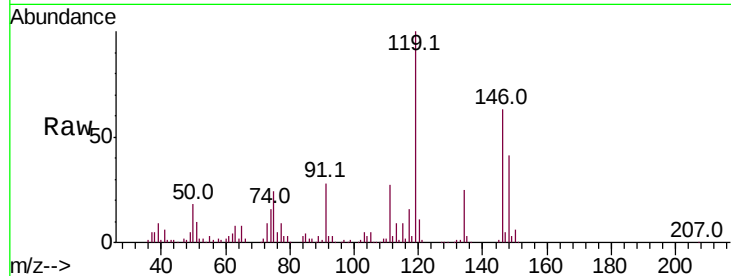




#87
 1,3-Dichlorobenzene
 Concen: 19.867 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

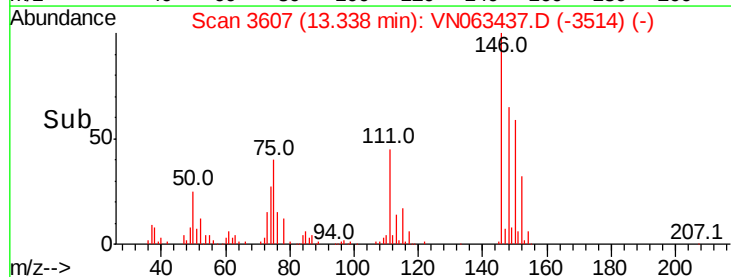
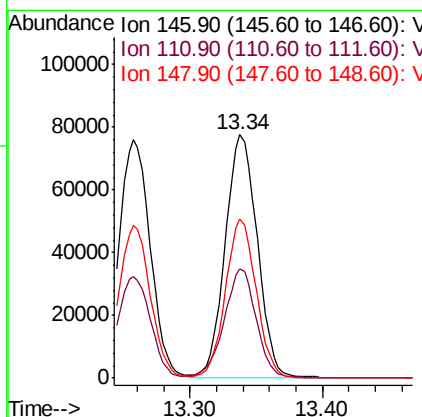
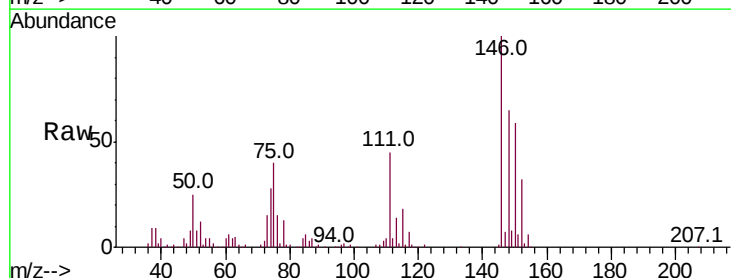
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

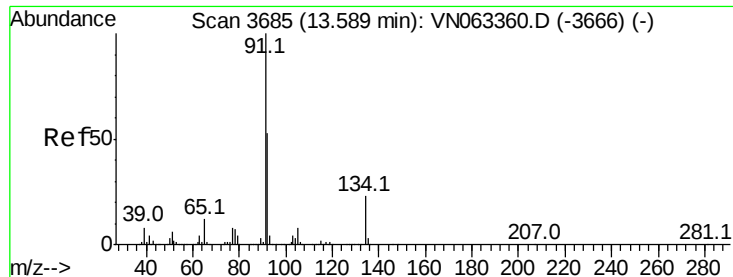
Tot Ion:146 Resp: 126538
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.4 64.3
 148 64.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion:146 Resp: 130962
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.2 63.6
 148 62.3 31.9 95.9





#89

n-Butylbenzene

Concen: 19.713 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

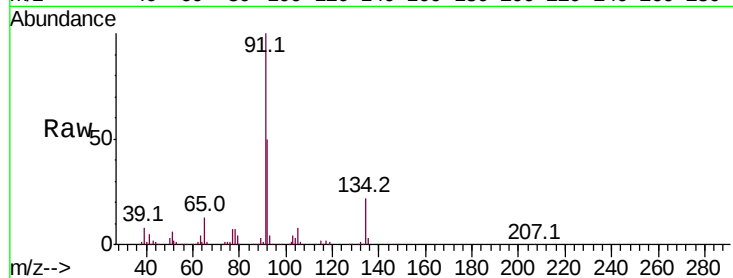
Tot Ion: 91 Resp: 225555

Ion Ratio Lower Upper

91 100

92 51.0 26.0 78.0

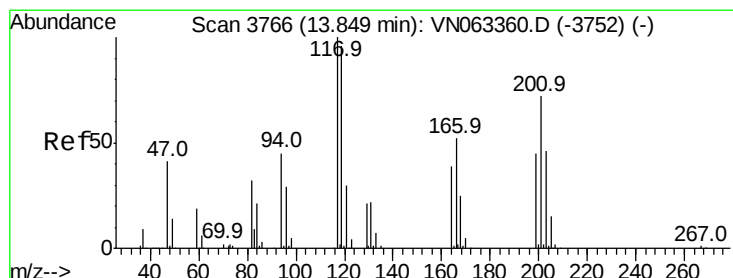
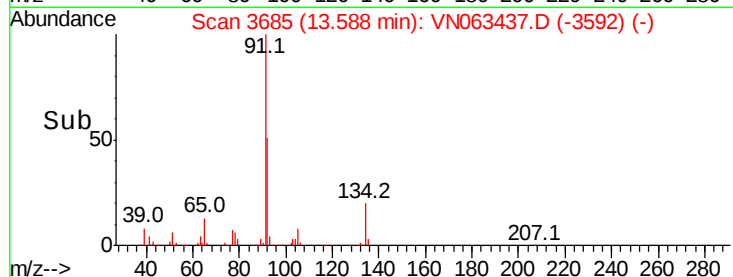
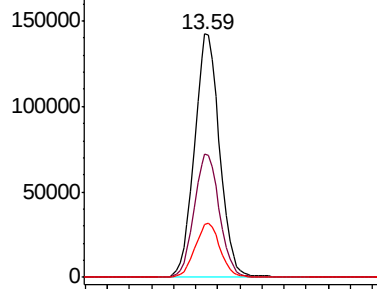
134 22.1 11.7 35.0



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: 18.599 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN063437.D

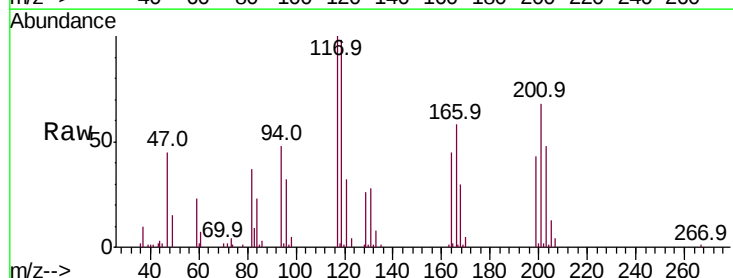
Acq: 17 Sep 2020 23:11

Tgt Ion: 117 Resp: 43961

Ion Ratio Lower Upper

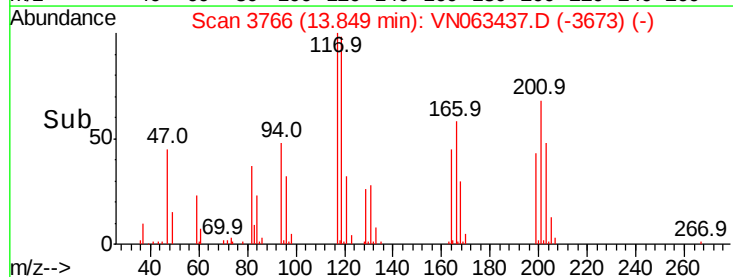
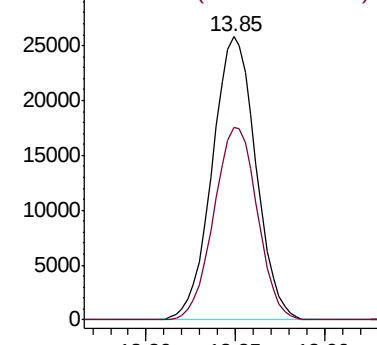
117 100

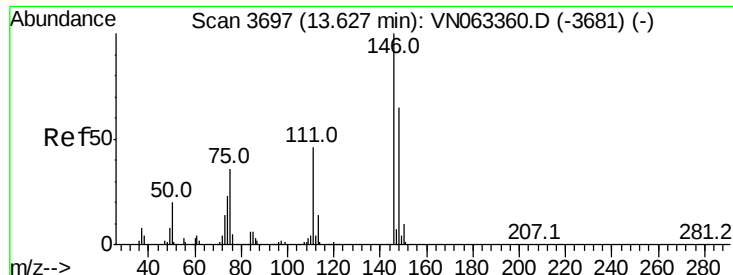
201 68.0 35.5 106.7



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

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

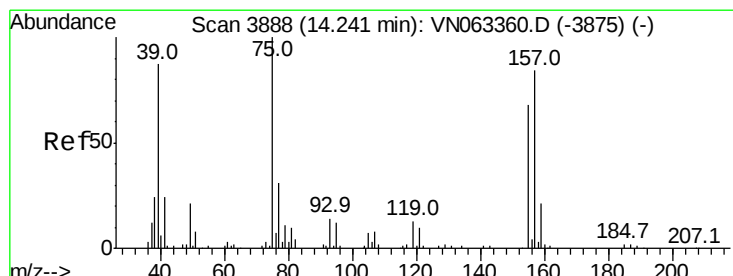
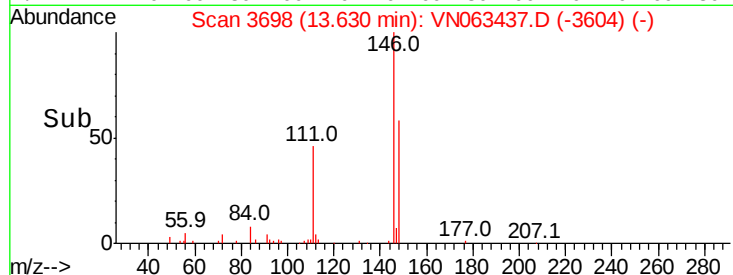
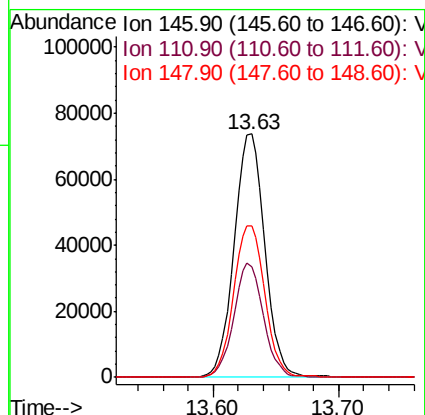
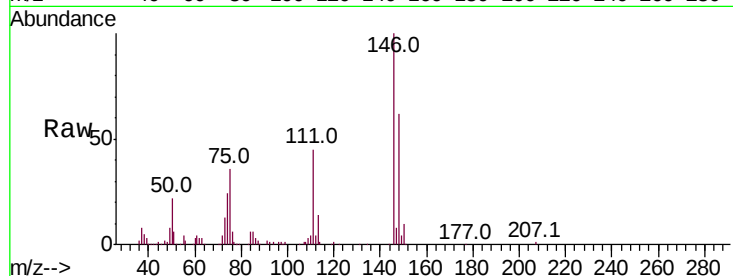




#91
 1,2-Dichlorobenzene
 Concen: 20.021 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

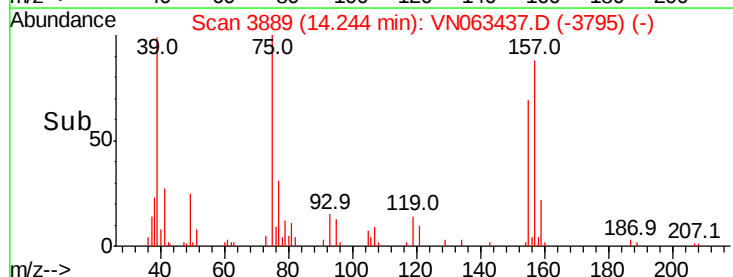
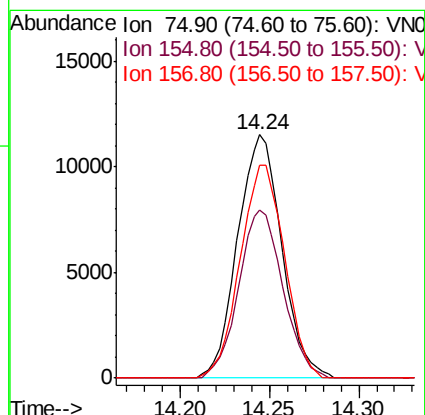
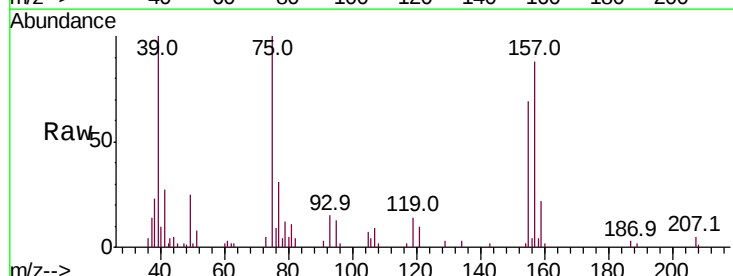
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

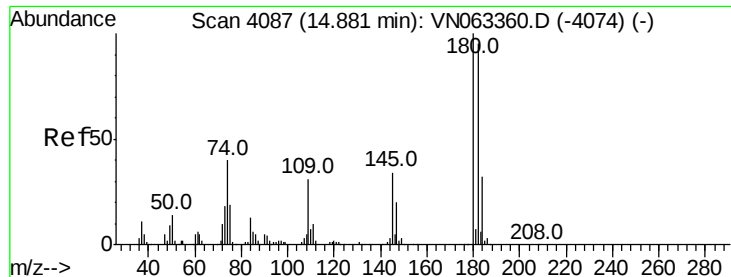
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.4	67.2
148	63.4	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.595 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	34.6	103.9
157	88.2	43.7	131.1

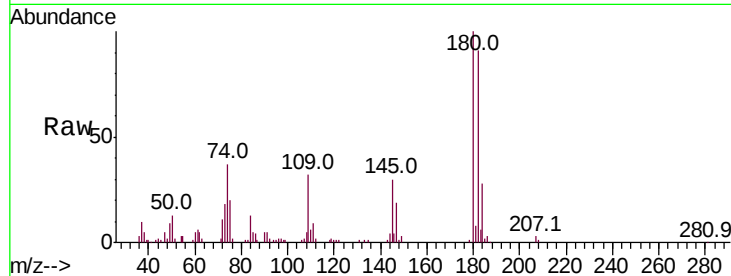




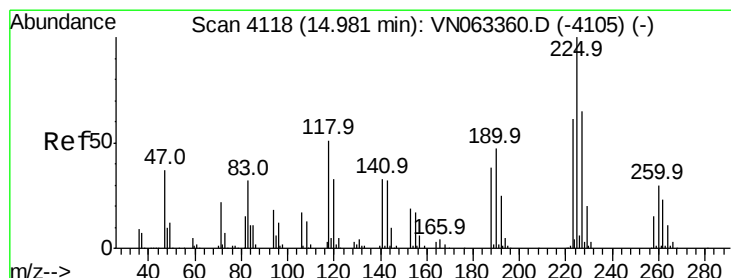
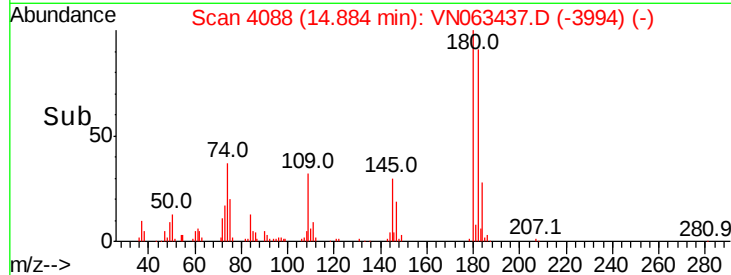
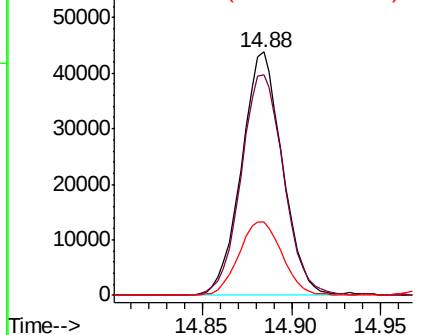
#93
 1,2,4-Trichlorobenzene
 Concen: 19.081 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion:180 Resp: 70341
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.3 142.0
 145 32.1 16.6 49.7

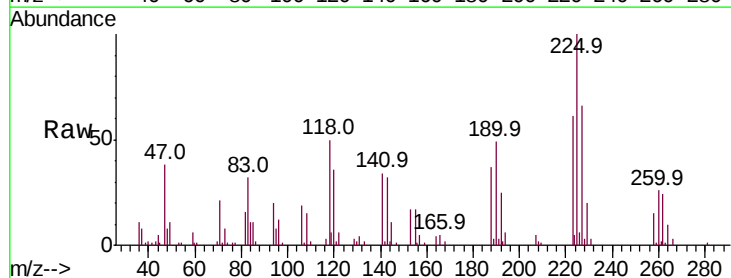


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

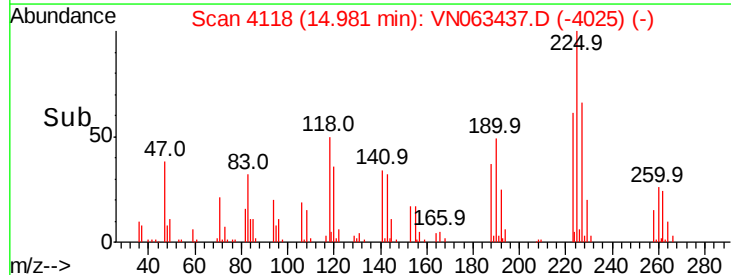
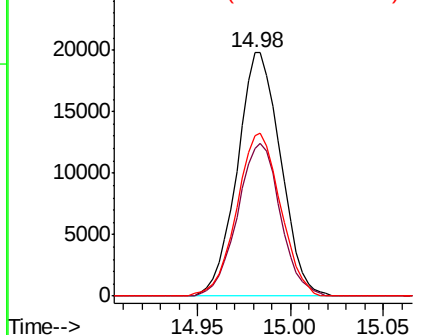


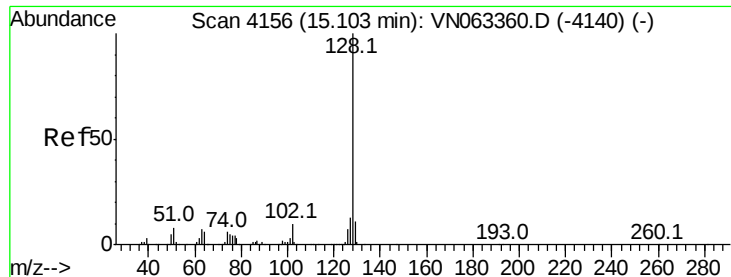
#94
 Hexachlorobutadiene
 Concen: 21.112 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion:225 Resp: 32221
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.6 91.6
 227 67.0 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: 18.664 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

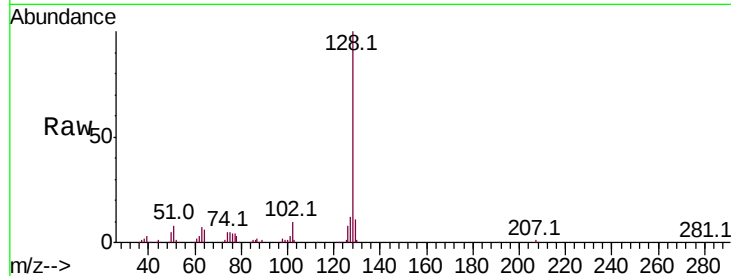
Tot Ion:128 Resp: 227315

Ion Ratio Lower Upper

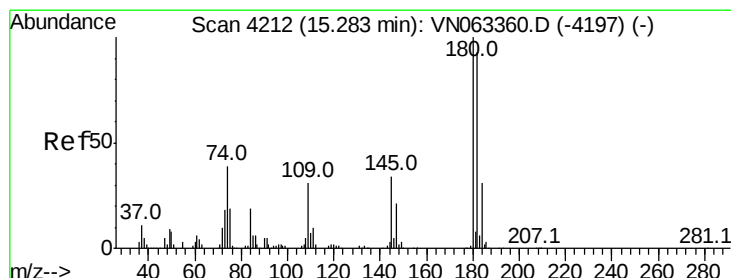
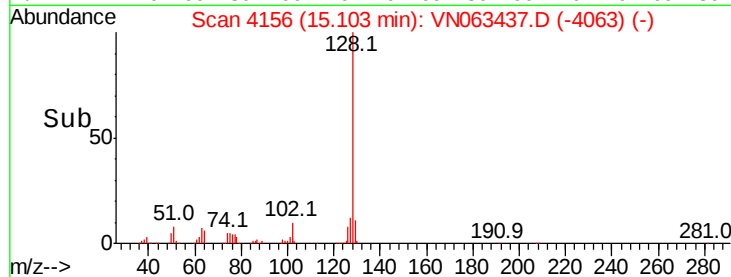
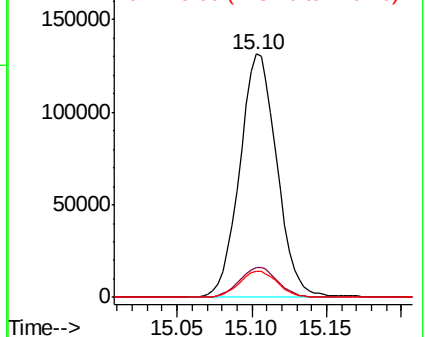
128 100

127 12.8 10.6 15.8

129 11.1 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: 18.781 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

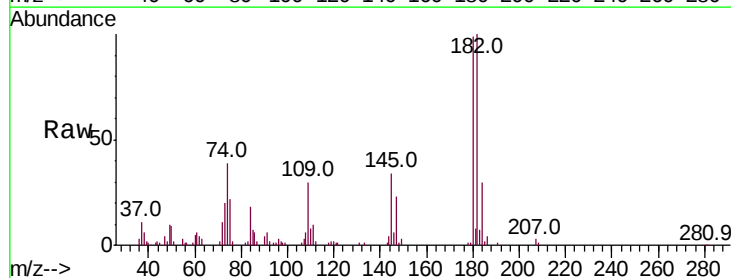
Tgt Ion:180 Resp: 66899

Ion Ratio Lower Upper

180 100

182 97.6 46.7 140.1

145 35.0 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

