

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062444.D
 Acq On : 9 Jul 2020 7:11
 Operator : JC/MD
 Sample : L3215-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Quant Time: Jul 09 07:35:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	213306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	386534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	347330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	151896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	161954	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	7.55	113	114206	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	10.06	98	449742	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	12.38	95	166458	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	107354	49.410	ug/l	97
3) Chloromethane	2.04	50	155511	44.607	ug/l	99
4) Vinyl Chloride	2.16	62	137807	48.248	ug/l	99
5) Bromomethane	2.53	94	51607	33.642	ug/l	97
6) Chloroethane	2.67	64	82226	49.428	ug/l	96
7) Trichlorofluoromethane	2.98	101	180245	49.688	ug/l	100
8) Diethyl Ether	3.37	74	84573	52.139	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	102937	47.869	ug/l	99
10) Methyl Iodide	3.91	142	118865	41.863	ug/l	100
11) Tert butyl alcohol	4.73	59	121712	223.633	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	110427	50.438	ug/l	97
13) Acrolein	3.57	56	34615	88.167	ug/l	96
14) Allyl chloride	4.28	41	199537	38.752	ug/l	91
15) Acrylonitrile	4.93	53	355668	249.176	ug/l	99
16) Acetone	3.78	43	304344	218.491	ug/l	96
17) Carbon Disulfide	4.01	76	341277	49.746	ug/l	100
18) Methyl Acetate	4.28	43	127915	36.798	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	432250	52.074	ug/l	100
20) Methylene Chloride	4.50	84	137645	46.217	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	119079	50.205	ug/l	98
22) Diisopropyl ether	5.90	45	511153	50.246	ug/l	96
23) Vinyl Acetate	5.84	43	1662995	197.337	ug/l	100
24) 1,1-Dichloroethane	5.80	63	264454	50.307	ug/l	100
25) 2-Butanone	6.79	43	488487	240.126	ug/l	99
26) 2,2-Dichloropropane	6.78	77	78904	19.576	ug/l	93
27) cis-1,2-Dichloroethene	6.78	96	143040	52.066	ug/l	91
28) Bromochloromethane	7.15	49	133048	46.586	ug/l	96
29) Tetrahydrofuran	7.17	42	337618	246.509	ug/l	99
30) Chloroform	7.33	83	246105	51.851	ug/l	97
31) Cyclohexane	7.61	56	284835	57.156	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	200260	50.723	ug/l	99
36) 1,1-Dichloropropene	7.75	75	185358	47.598	ug/l	98
37) Ethyl Acetate	6.88	43	170376	37.416	ug/l	99
38) Carbon Tetrachloride	7.73	117	169579	48.436	ug/l	97

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

39) Methylcyclohexane	9.05	83	241681	58.131	ug/l	100
40) Benzene	8.00	78	562918	49.046	ug/l	100
41) Methacrylonitrile	7.17	41	297608	156.427	ug/l #	19
42) 1,2-Dichloroethane	8.09	62	209349	49.815	ug/l	92
43) Isopropyl Acetate	8.12	43	379639	52.776	ug/l	95
44) Trichloroethene	8.80	130	127144	49.929	ug/l	96
45) 1,2-Dichloropropane	9.09	63	163995	49.221	ug/l	100
46) Dibromomethane	9.18	93	93008	49.467	ug/l	100
47) Bromodichloromethane	9.37	83	198580	49.400	ug/l	98
48) Methyl methacrylate	9.17	41	164667	46.666	ug/l	97
49) 1,4-Dioxane	9.17	88	47230	919.596	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1055038	245.557	ug/l	99
52) Toluene	10.12	92	328867	49.607	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	198899	44.164	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	211457	42.555	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	134370	51.534	ug/l	99
56) Ethyl methacrylate	10.40	69	229883	47.979	ug/l	99
57) 1,3-Dichloropropane	10.68	76	242998	50.445	ug/l	100
59) 2-Hexanone	10.72	43	764832	245.205	ug/l	98
60) Dibromochloromethane	10.87	129	141604	50.088	ug/l	99
61) 1,2-Dibromoethane	10.98	107	135375	51.433	ug/l	99
64) Tetrachloroethene	10.60	164	94424	45.814	ug/l	98
65) Chlorobenzene	11.41	112	338981	50.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	123273	49.520	ug/l	98
67) Ethyl Benzene	11.48	91	889138	70.170	ug/l	98
68) m/p-Xylenes	11.60	106	460336	102.623	ug/l	99
69) o-Xylene	11.92	106	252907	57.907	ug/l	97
70) Stvrene	11.94	104	393521	54.518	ug/l	100
71) Bromoform	12.10	173	94311	51.681	ug/l #	97
73) Isopropylbenzene	12.22	105	1797937	152.963	ug/l	99
74) N-amyl acetate	12.04	43	259911	45.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	199664	50.521	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	243393	65.305	ug/l #	100
77) Bromobenzene	12.50	156	184052	68.877	ug/l	59
78) n-propylbenzene	12.57	91	2123203	154.640	ug/l	99
79) 2-Chlorotoluene	12.65	91	498926	59.873	ug/l	90
80) 1,3,5-Trimethylbenzene	12.71	105	757042	78.566	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	35832	25.733	ug/l	97
82) 4-Chlorotoluene	12.75	91	420593	49.716	ug/l	99
83) tert-Butylbenzene	12.97	119	335059	40.975	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	6227364	650.195	ug/l	80
85) sec-Butylbenzene	13.15	105	484894	44.750	ug/l	95
86) p-Isopropyltoluene	13.27	119	617720	66.052	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	221324	48.011	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	220545	46.496	ug/l	98
89) n-Butylbenzene	13.59	91	513656	62.204	ug/l #	78
90) Hexachloroethane	13.86	117	208617	113.400	ug/l #	39
91) 1,2-Dichlorobenzene	13.63	146	216984	48.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49604	68.777	ug/l	84
93) 1,2,4-Trichlorobenzene	14.88	180	105513	49.861	ug/l	95

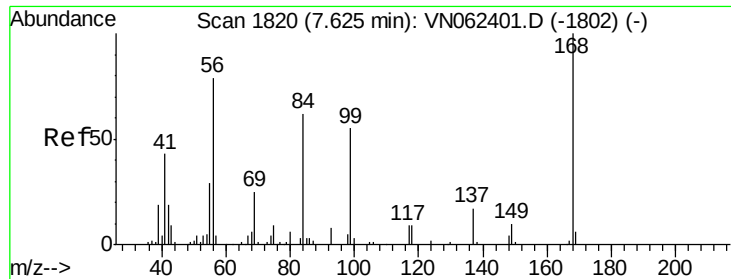
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	26137	22.086	ug/l	97
95) Naphthalene	15.11	128	12151362	698.349	ug/l #	46
96) 1,2,3-Trichlorobenzene	15.28	180	106209	44.624	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

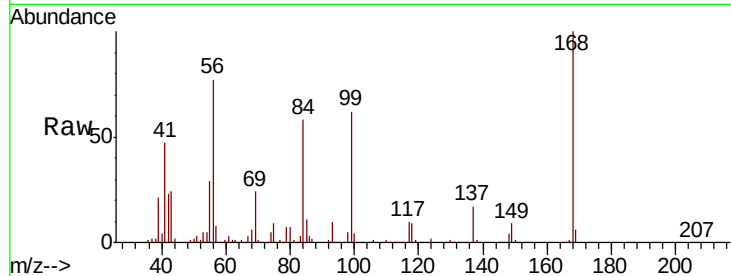
MW-14MSD

Tot Ion:168 Resp: 213306

Ion Ratio Lower Upper

168 100

99 61.7 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

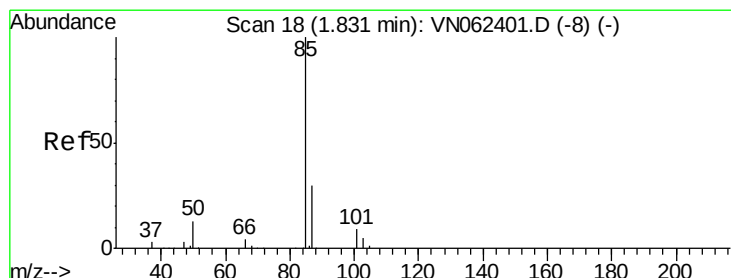
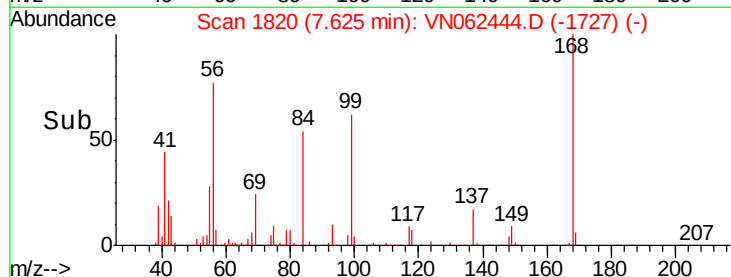
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 49.410 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062444.D

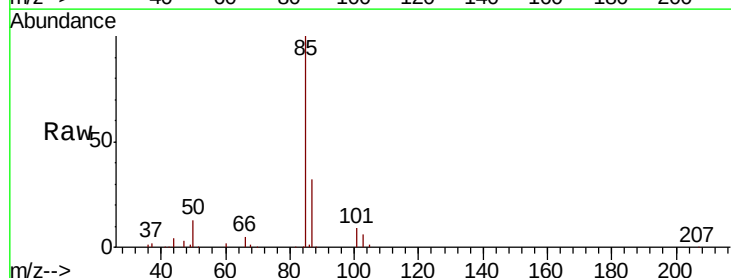
Acq: 9 Jul 2020 7:11

Tgt Ion: 85 Resp: 107354

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

80000

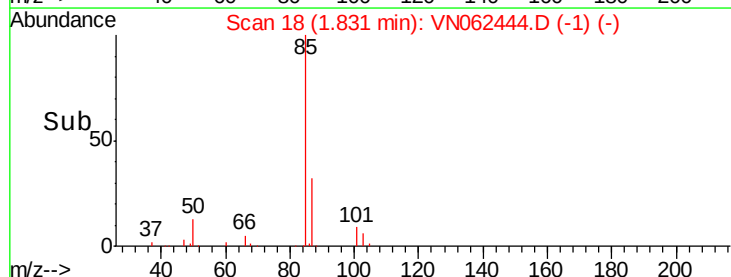
60000

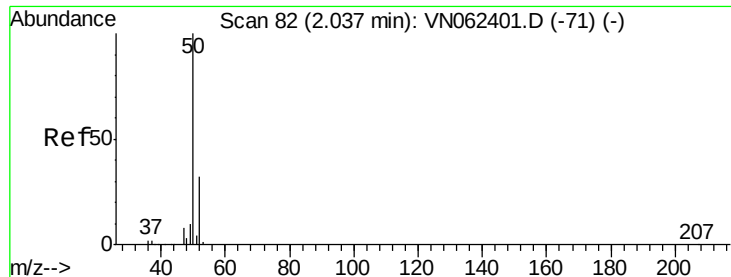
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 44.607 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

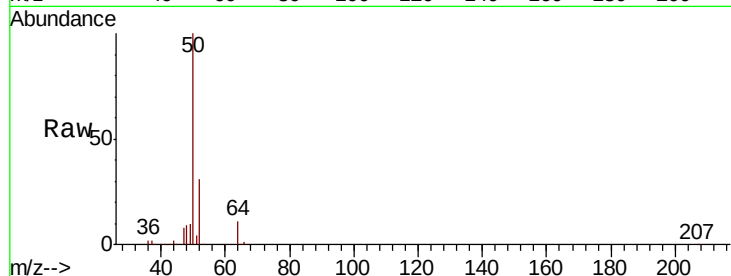
MW-14MSD

Tot Ion: 50 Resp: 155511

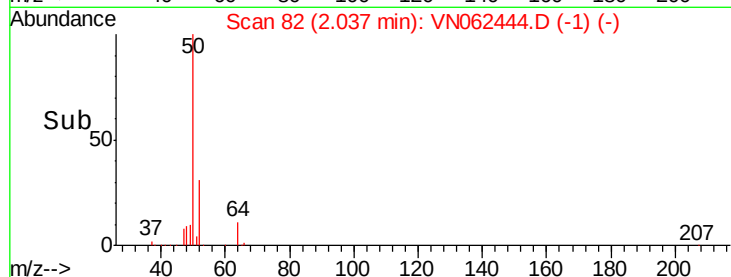
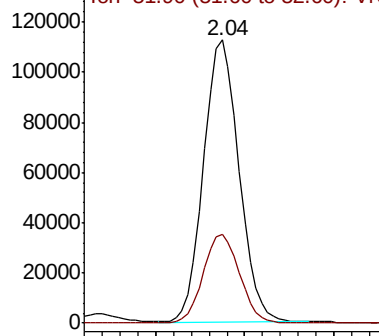
Ion Ratio Lower Upper

50 100

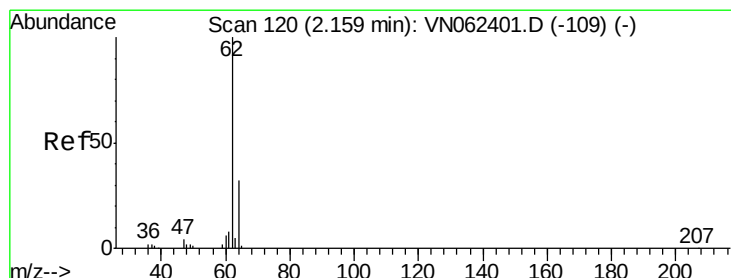
52 31.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 48.248 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062444.D

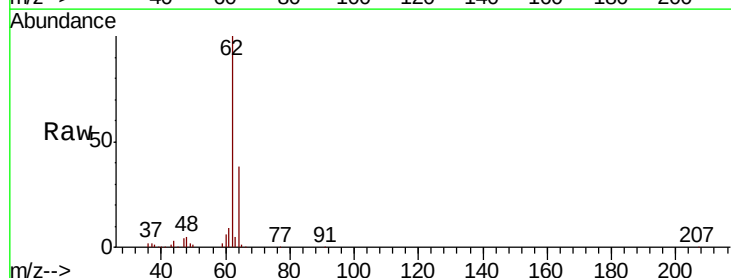
Acq: 9 Jul 2020 7:11

Tgt Ion: 62 Resp: 137807

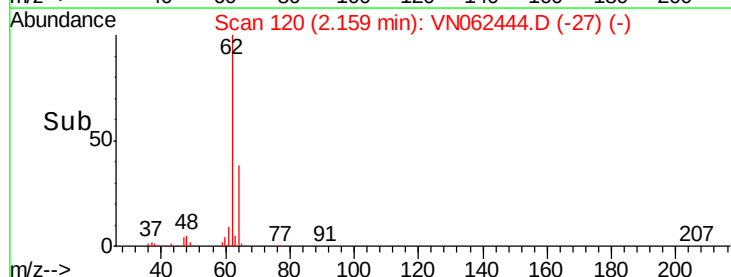
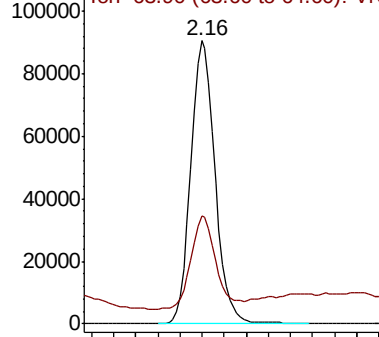
Ion Ratio Lower Upper

62 100

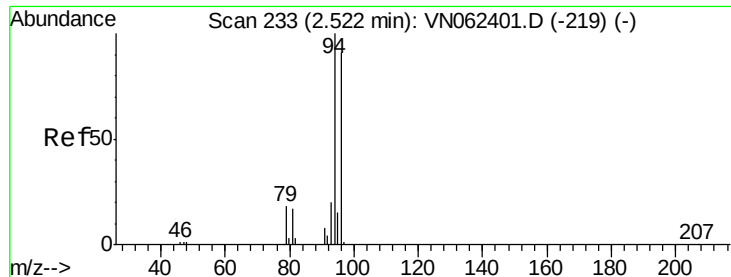
64 32.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO



Time-->



#5

Bromomethane

Concen: 33.642 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

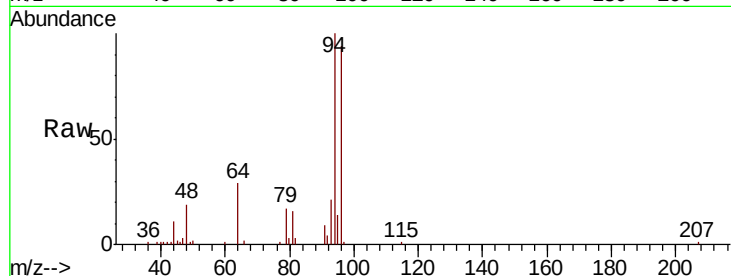
MW-14MSD

Tot Ion: 94 Resp: 51607

Ion Ratio Lower Upper

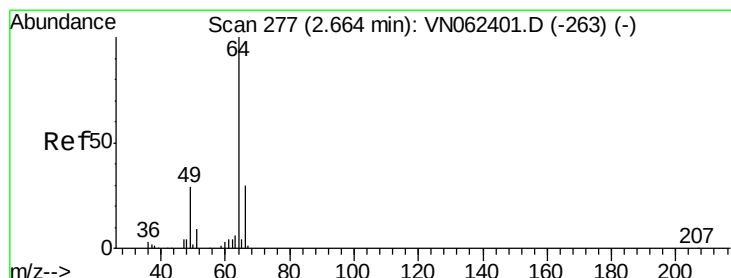
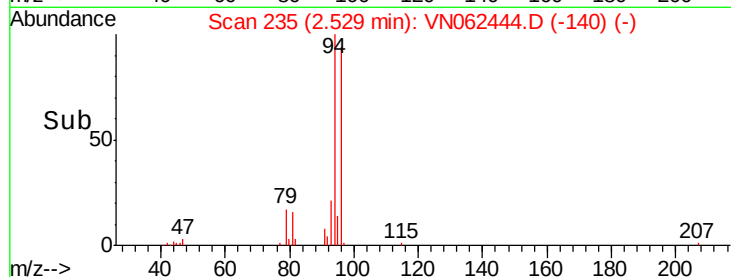
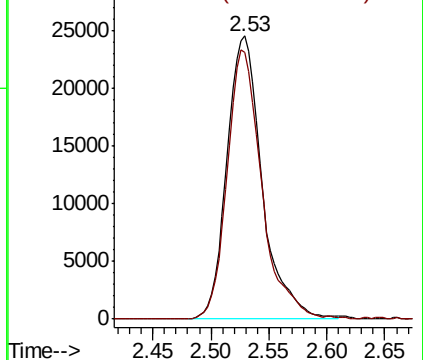
94 100

96 94.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.428 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062444.D

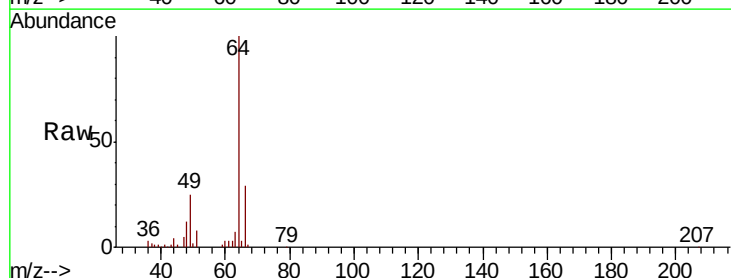
Acq: 9 Jul 2020 7:11

Tgt Ion: 64 Resp: 82226

Ion Ratio Lower Upper

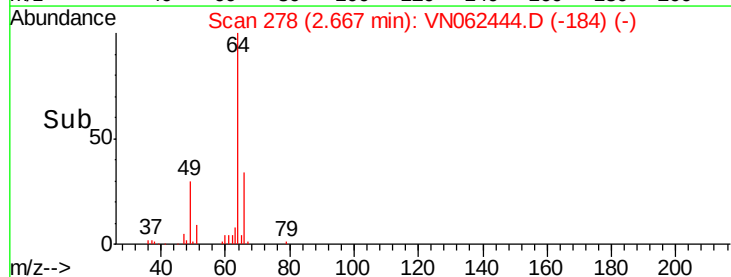
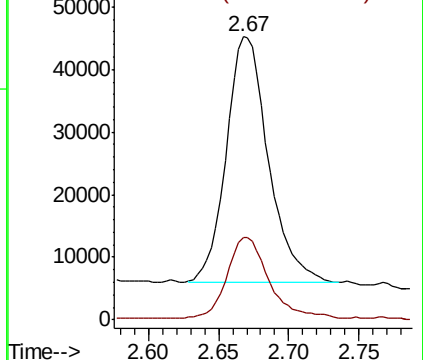
64 100

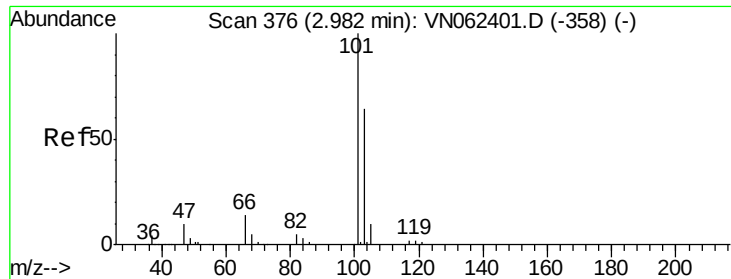
66 32.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



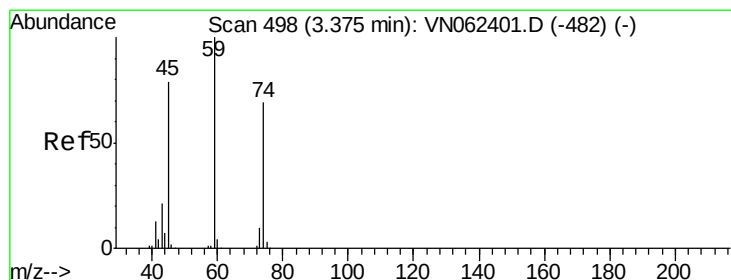
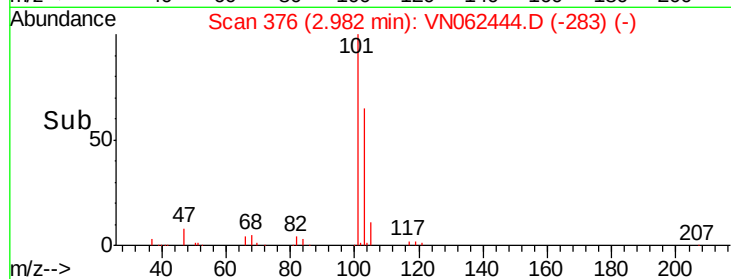
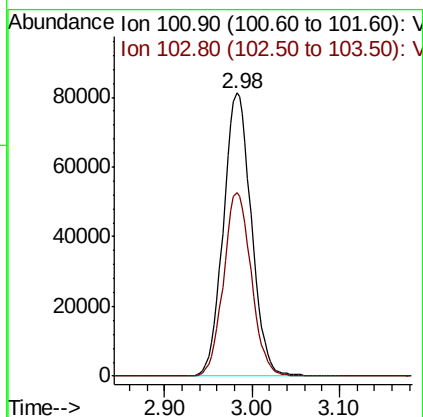
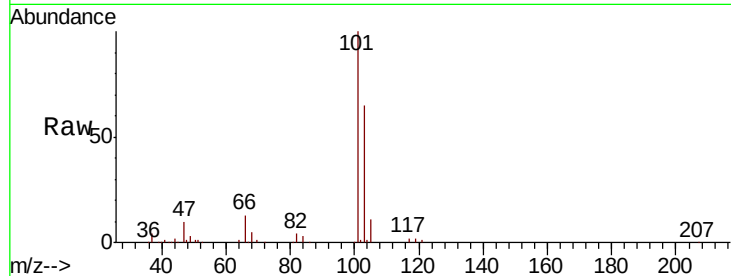


#7

Trichlorofluoromethane
 Concen: 49.688 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
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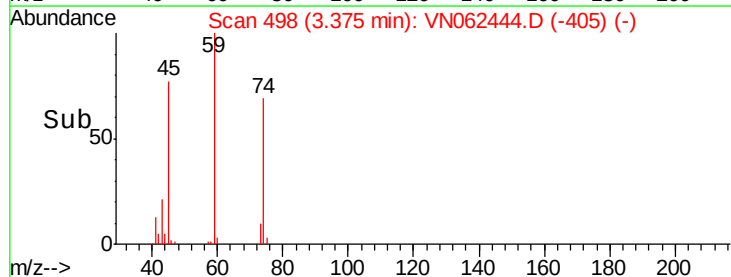
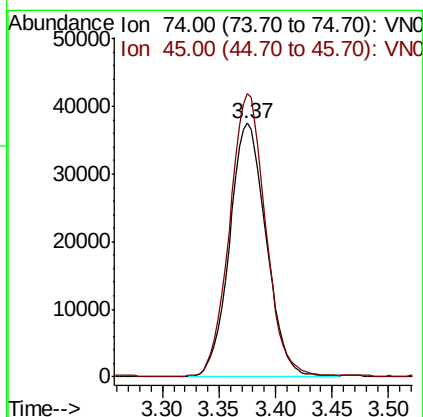
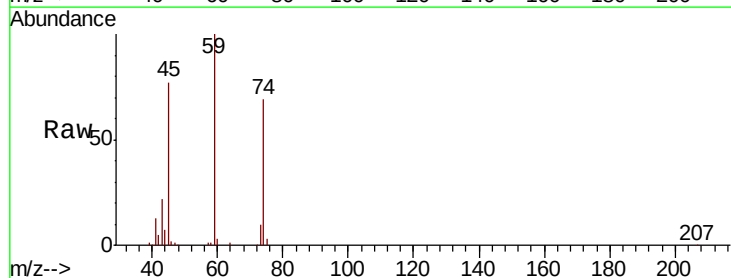
Tot Ion:101 Resp: 180245
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

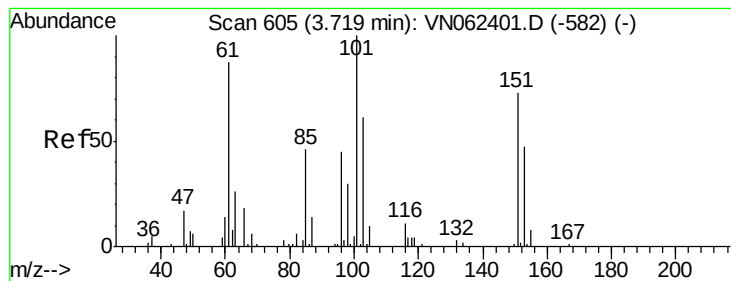


#8

Diethyl Ether
 Concen: 52.139 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 74 Resp: 84573
 Ion Ratio Lower Upper
 74 100
 45 110.1 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.869 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

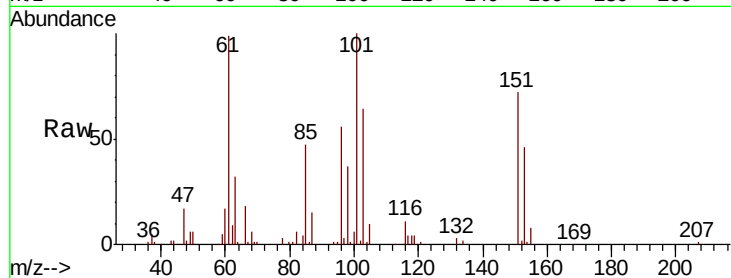
Tot Ion:101 Resp: 102937

Ion Ratio Lower Upper

101 100

85 46.3 36.7 55.1

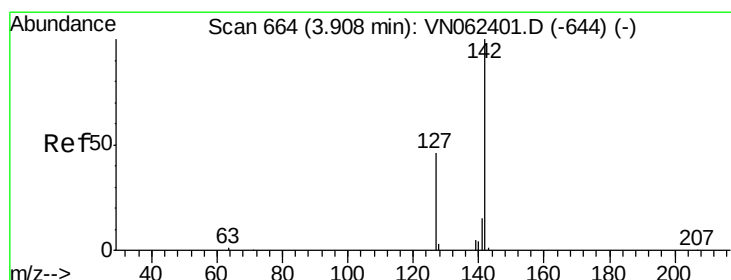
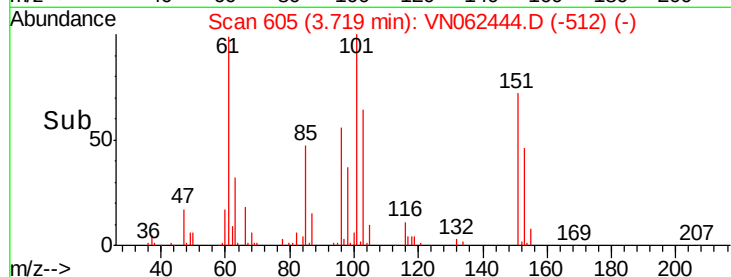
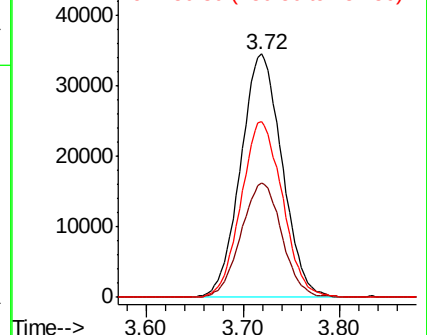
151 72.0 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.863 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

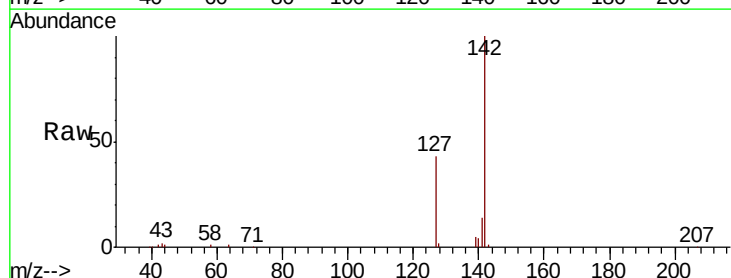
Tgt Ion:142 Resp: 118865

Ion Ratio Lower Upper

142 100

127 45.3 36.1 54.1

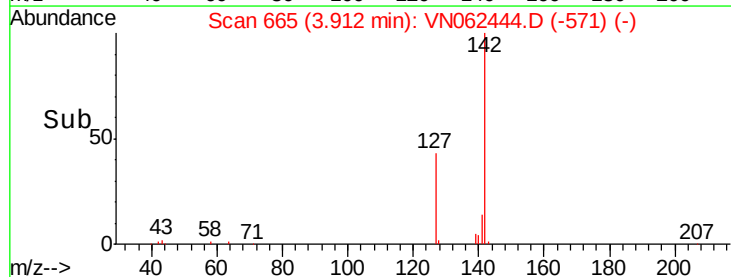
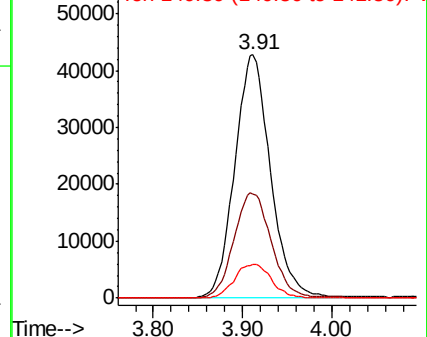
141 14.4 11.4 17.0

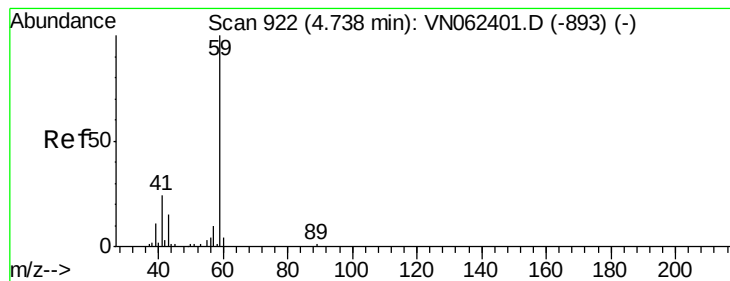


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



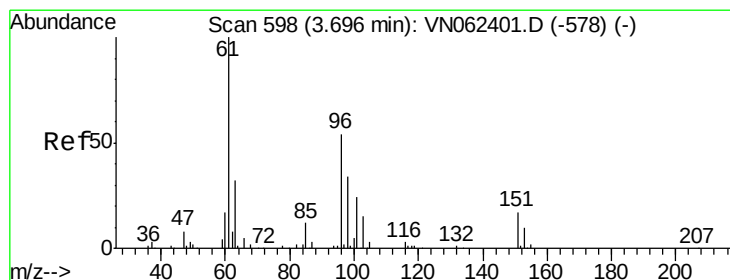
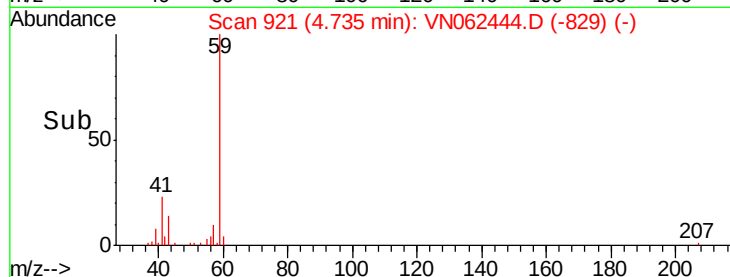
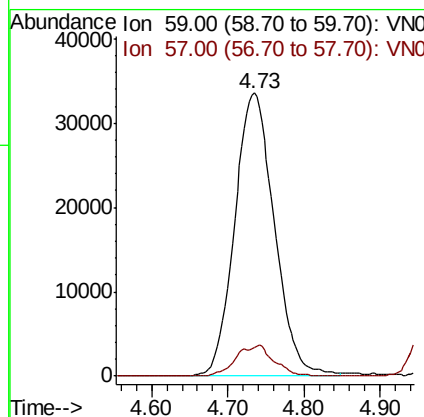
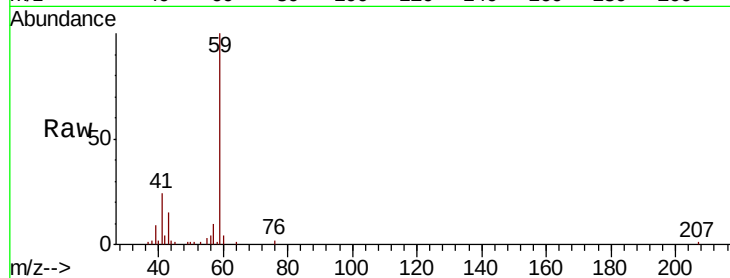


#11

Tert butyl alcohol
 Concen: 223.633 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

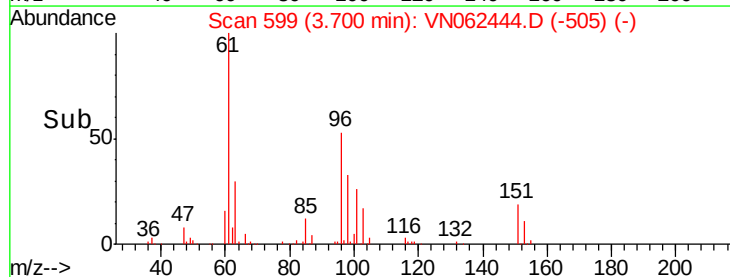
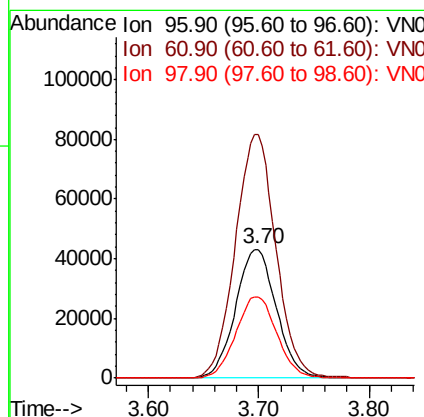
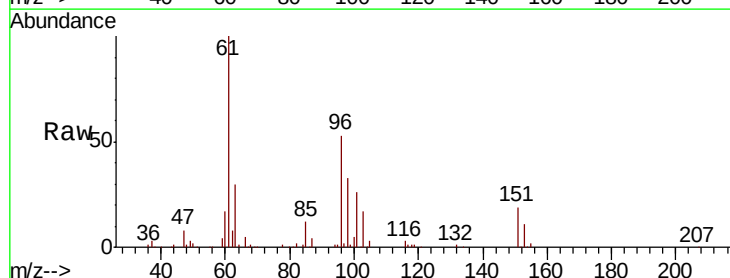
Tot Ion: 59 Resp: 121712
 Ion Ratio Lower Upper
 59 100
 57 4.2 7.8 11.6#

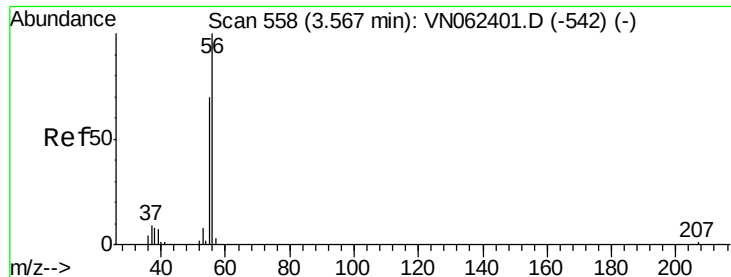


#12

1,1-Dichloroethene
 Concen: 50.438 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 96 Resp: 110427
 Ion Ratio Lower Upper
 96 100
 61 189.3 147.4 221.0
 98 62.6 50.4 75.6





#13

Acrolein

Concen: 88.167 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

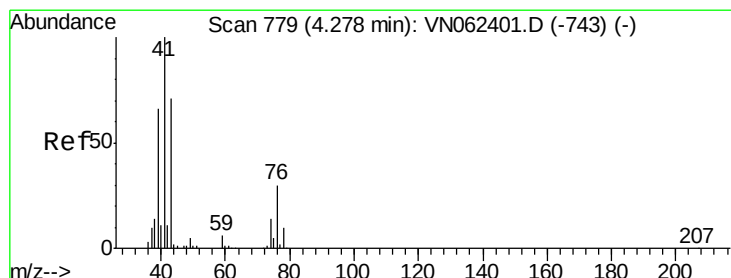
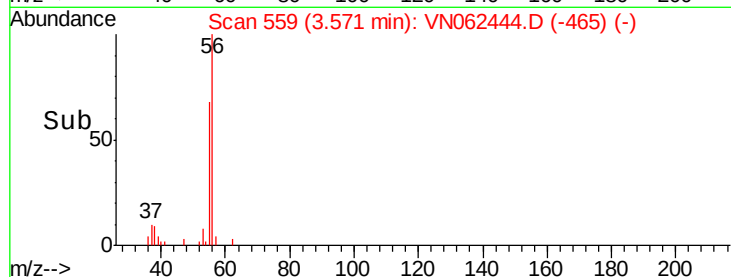
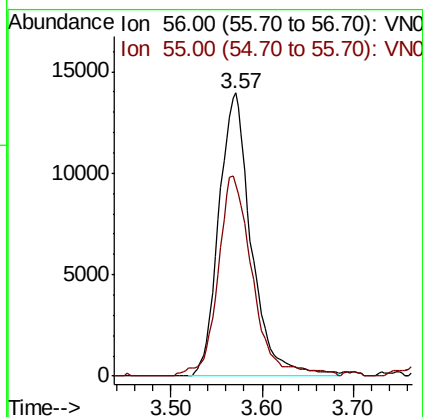
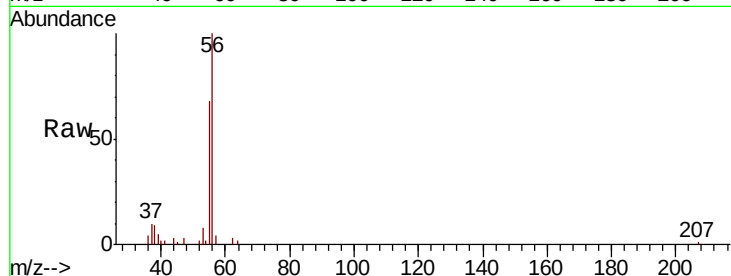
MW-14MSD

Tot Ion: 56 Resp: 34615

Ion Ratio Lower Upper

56 100

55 75.1 57.2 85.8



#14

Allyl chloride

Concen: 38.752 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

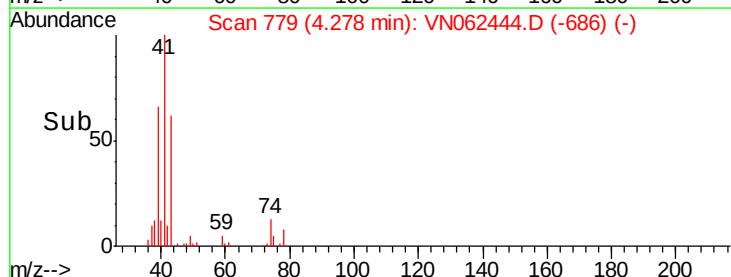
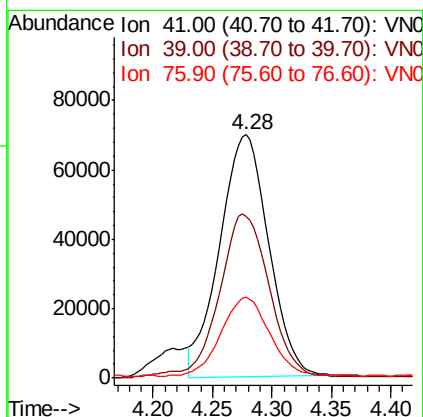
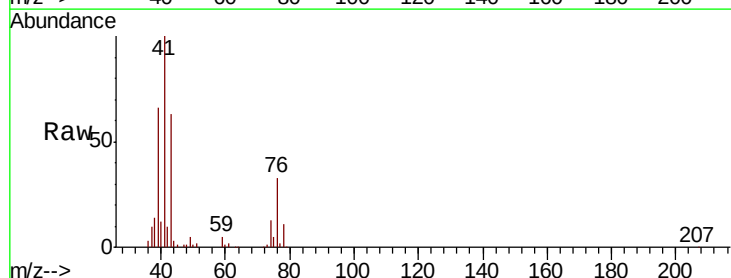
Tgt Ion: 41 Resp: 199537

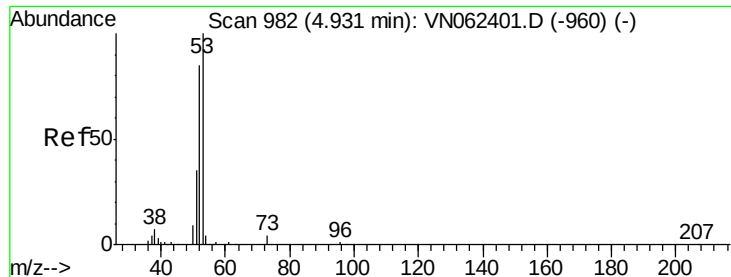
Ion Ratio Lower Upper

41 100

39 69.8 49.6 74.4

76 31.8 22.2 33.4





#15

Acrylonitrile

Concen: 249.176 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

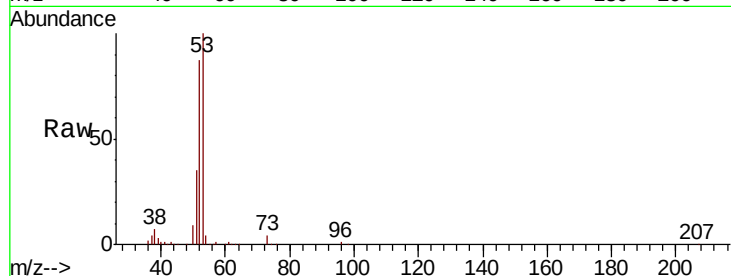
Tot Ion: 53 Resp: 355668

Ion Ratio Lower Upper

53 100

52 84.4 66.2 99.4

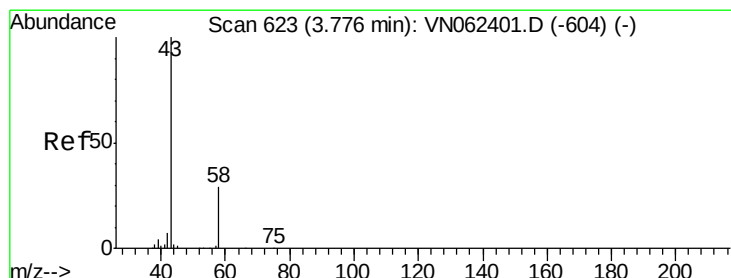
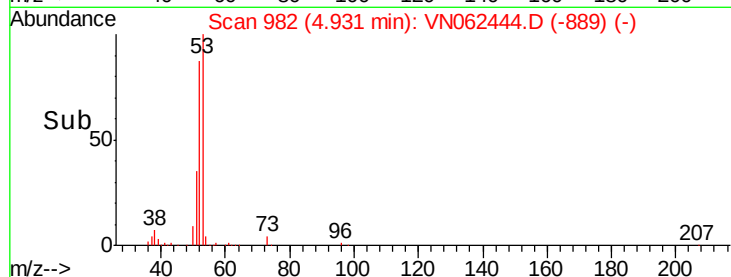
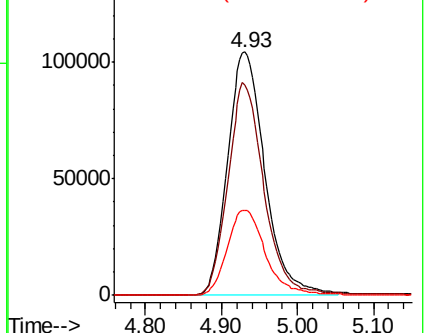
51 36.1 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN062444.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN062444.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN062444.D (-960) (-)



#16

Acetone

Concen: 218.491 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062444.D

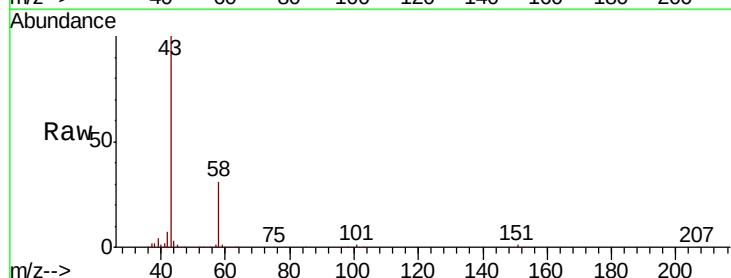
Acq: 9 Jul 2020 7:11

Tgt Ion: 43 Resp: 304344

Ion Ratio Lower Upper

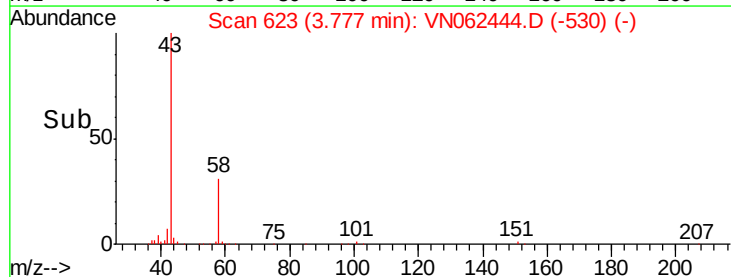
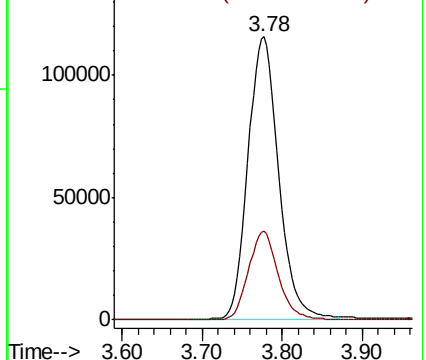
43 100

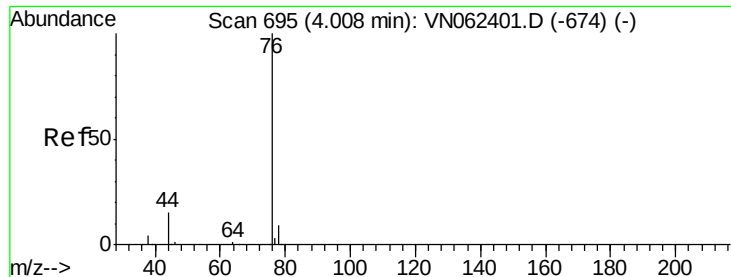
58 31.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN062444.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062444.D (-604) (-)





#17

Carbon Disulfide

Concen: 49.746 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

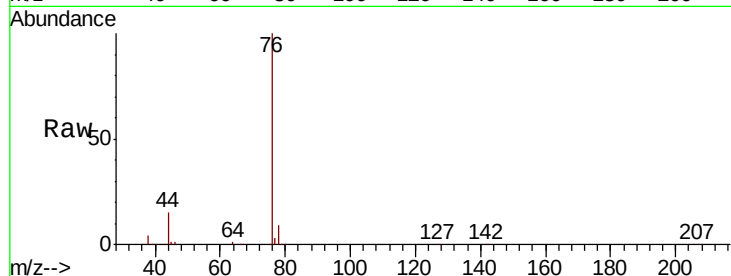
MW-14MSD

Tot Ion: 76 Resp: 341277

Ion Ratio Lower Upper

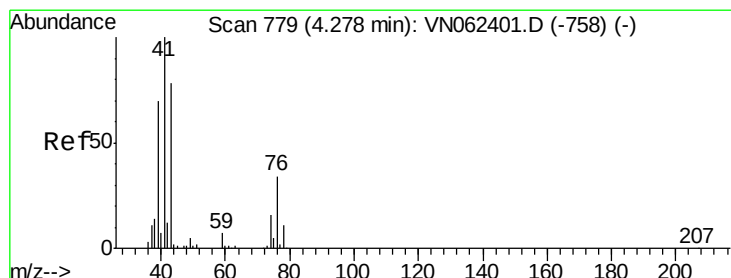
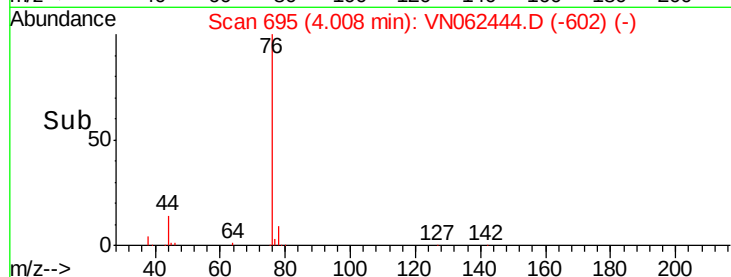
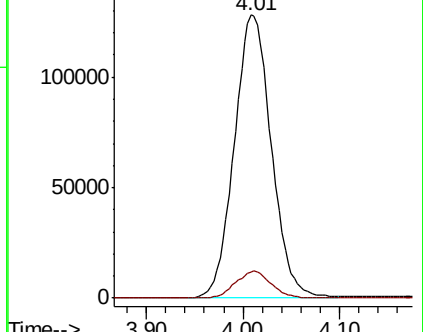
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062444.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN062444.D (-602) (-)



#18

Methyl Acetate

Concen: 36.798 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062444.D

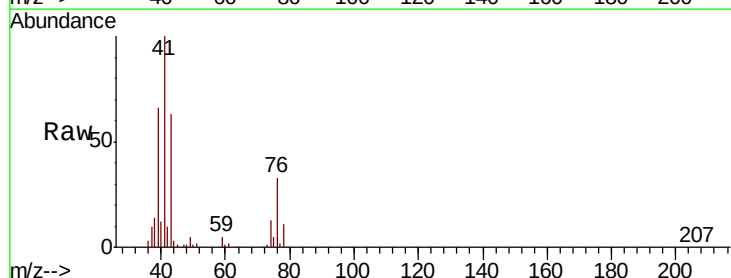
Acq: 9 Jul 2020 7:11

Tgt Ion: 43 Resp: 127915

Ion Ratio Lower Upper

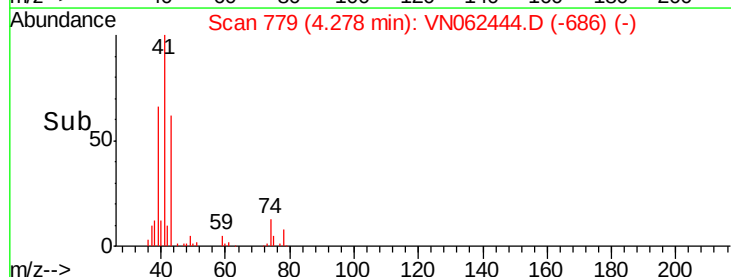
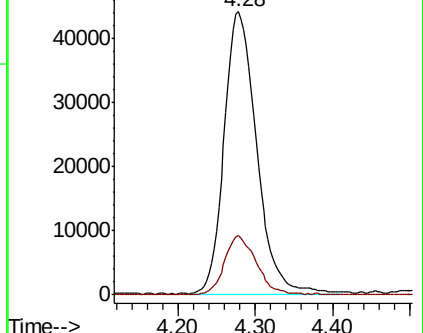
43 100

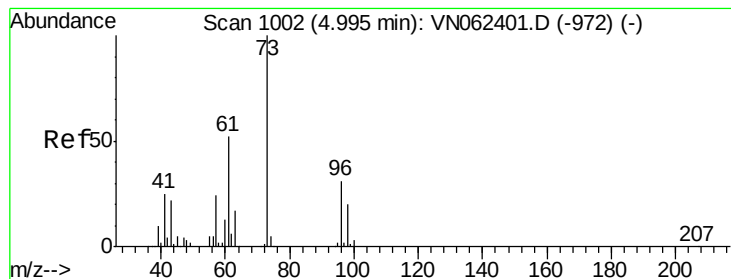
74 20.6 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN062444.D (-686) (-)

Ion 74.00 (73.70 to 74.70): VN062444.D (-686) (-)



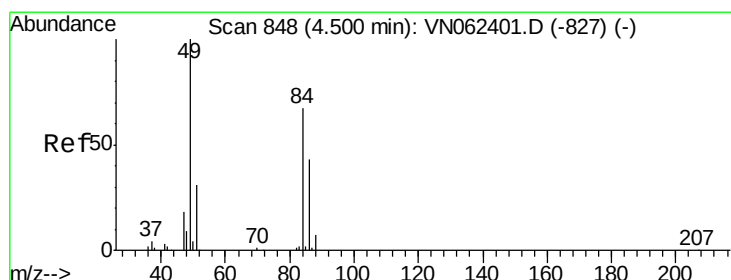
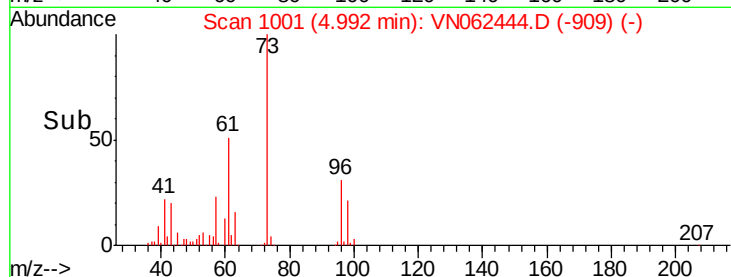
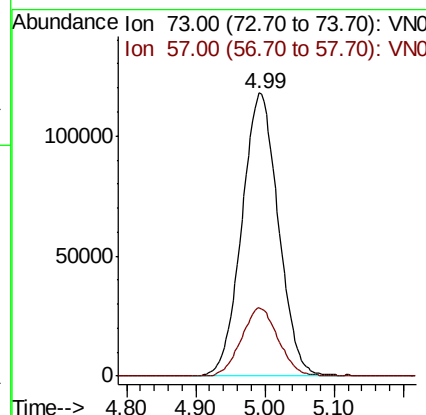
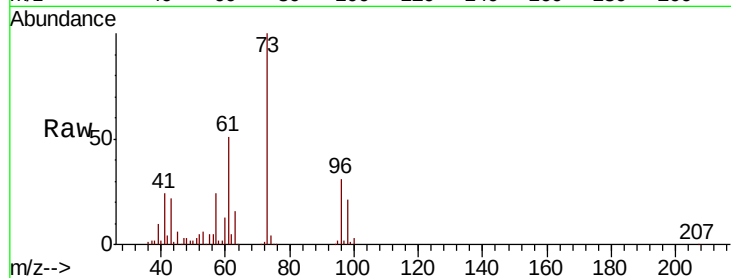


#19

Methyl tert-butyl Ether
 Concen: 52.074 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

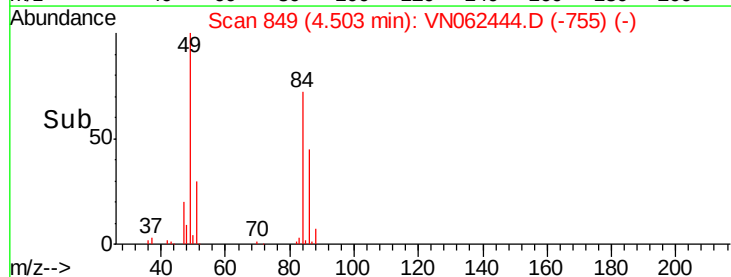
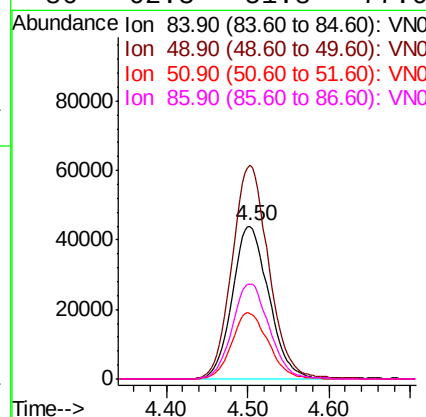
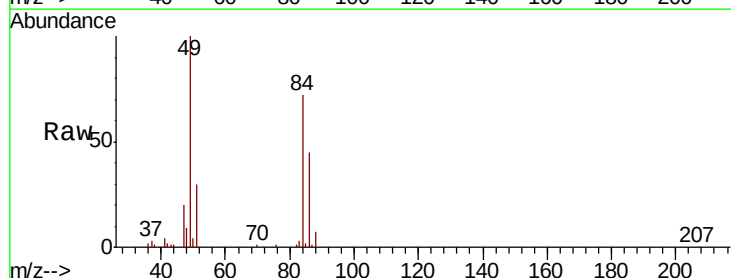
Tot Ion: 73 Resp: 432250
 Ion Ratio Lower Upper
 73 100
 57 24.1 19.4 29.0

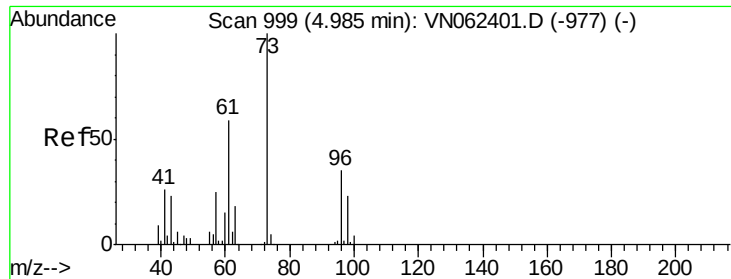


#20

Methylene Chloride
 Concen: 46.217 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 84 Resp: 137645
 Ion Ratio Lower Upper
 84 100
 49 139.7 120.0 180.0
 51 42.6 37.0 55.6
 86 62.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.205 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

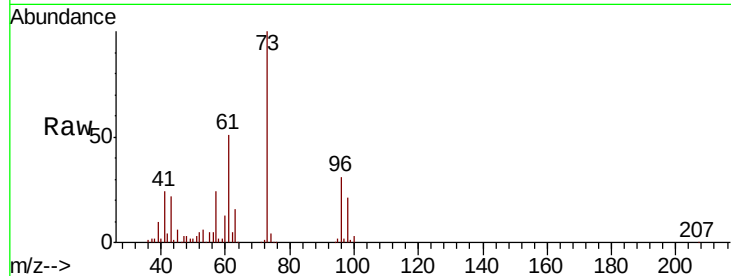
Tot Ion: 96 Resp: 119079

Ion Ratio Lower Upper

96 100

61 163.9 133.5 200.3

98 65.5 51.9 77.9

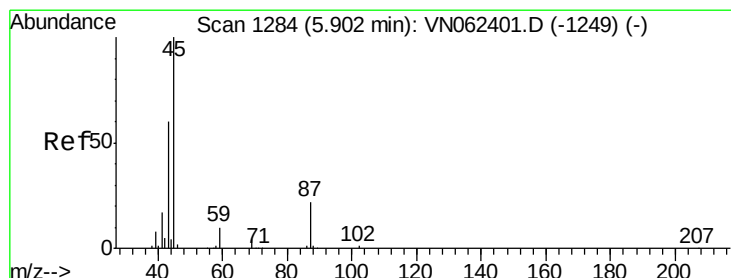
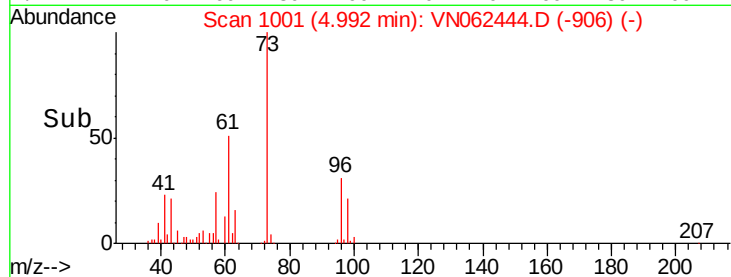
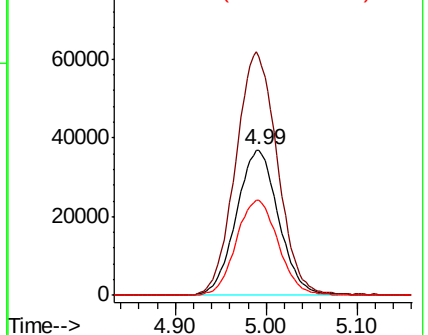


Abundance

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: 50.246 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Tgt Ion: 45 Resp: 511153

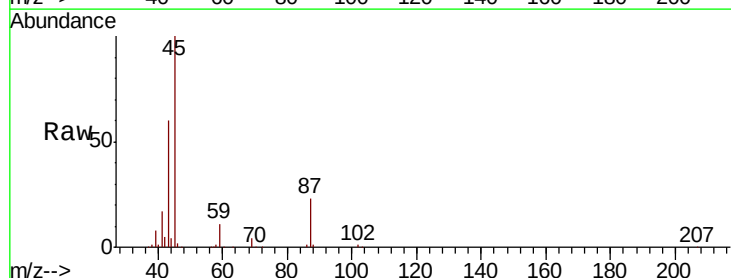
Ion Ratio Lower Upper

45 100

43 58.2 50.1 75.1

87 23.2 18.2 27.4

59 10.9 8.2 12.2



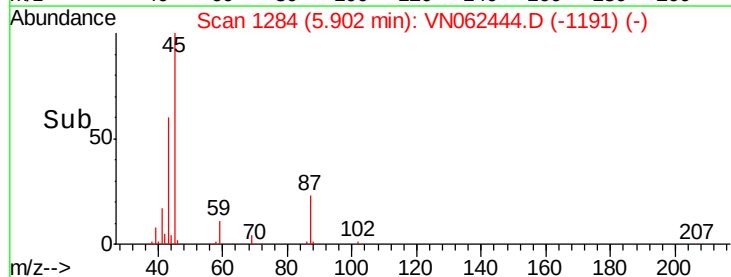
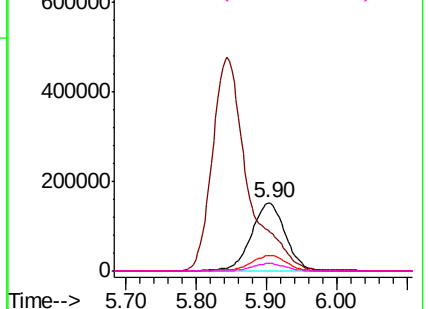
Abundance

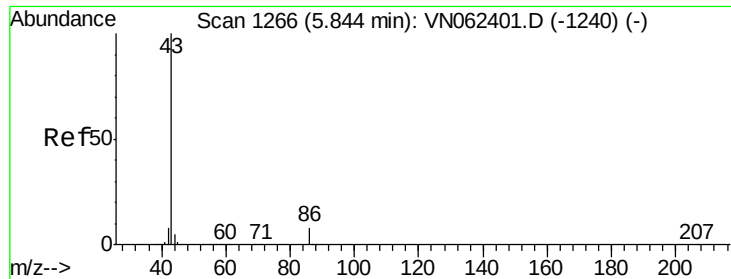
Ion 45.00 (44.70 to 45.70): VN0

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: 197.337 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

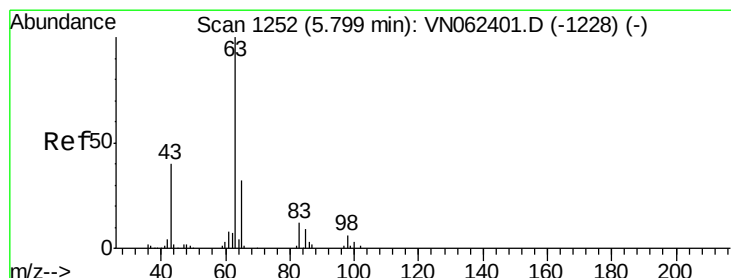
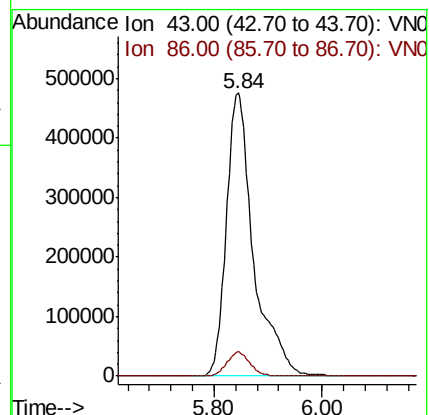
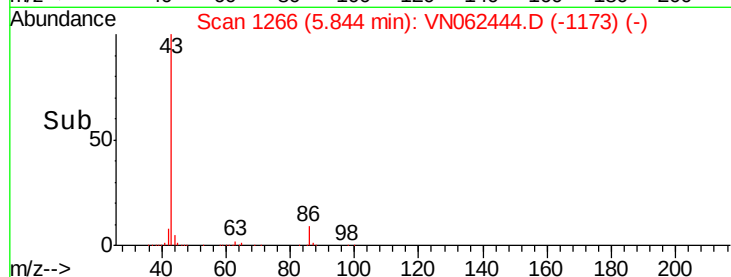
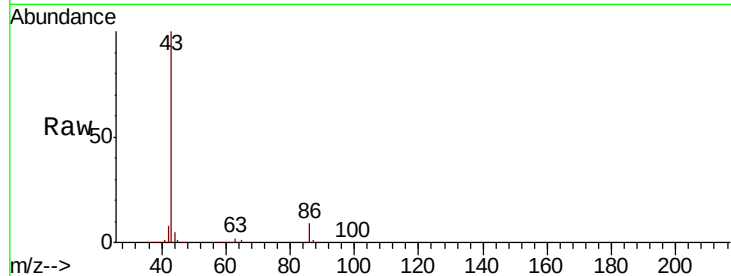
MW-14MSD

Tot Ion: 43 Resp: 1662995

Ion Ratio Lower Upper

43 100

86 8.6 6.7 10.1



#24

1,1-Dichloroethane

Concen: 50.307 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

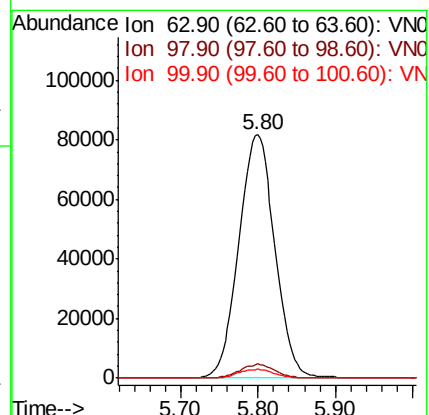
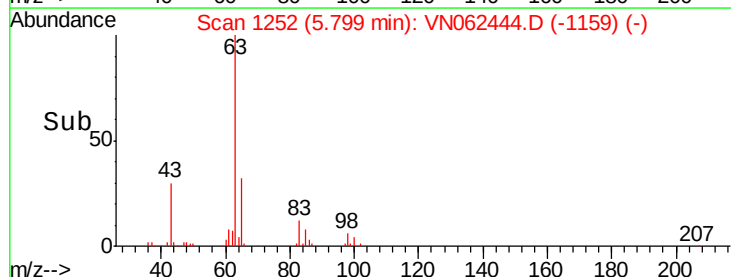
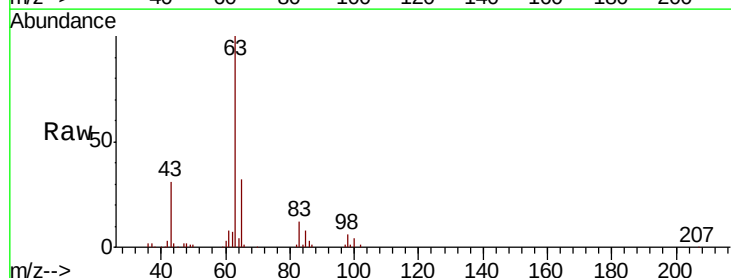
Tgt Ion: 63 Resp: 264454

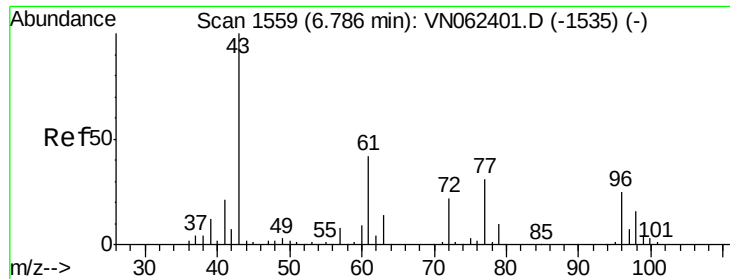
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.6 1.8 5.3





#25

2-Butanone

Concen: 240.126 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

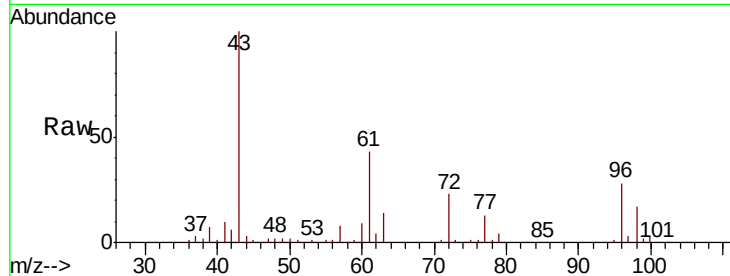
MW-14MSD

Tot Ion: 43 Resp: 488487

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1535) (-)

Ion 72.00 (71.70 to 72.70): VN062401.D (-1535) (-)

6.79

150000

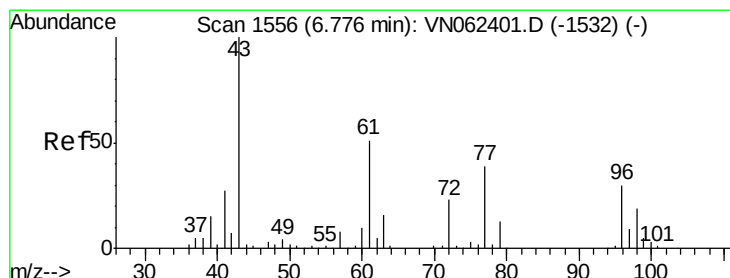
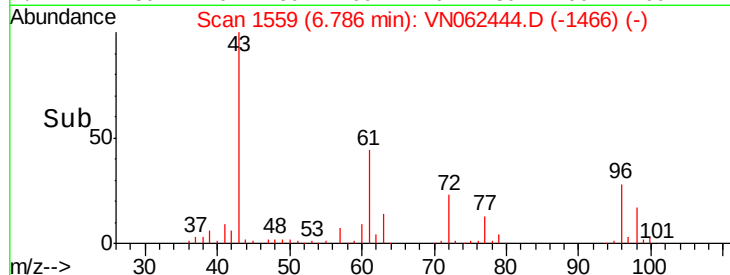
100000

50000

0

6.70 6.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.576 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062444.D

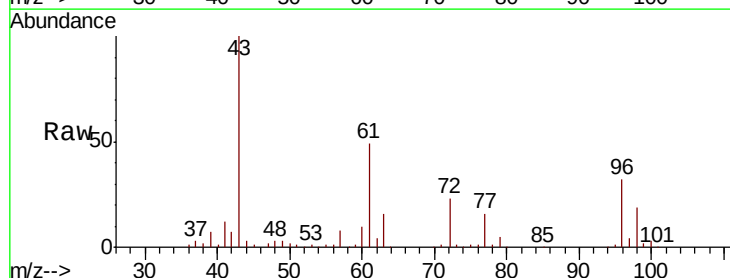
Acq: 9 Jul 2020 7:11

Tgt Ion: 77 Resp: 78904

Ion Ratio Lower Upper

77 100

97 25.4 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN062401.D (-1532) (-)

Ion 96.90 (96.60 to 97.60): VN062401.D (-1532) (-)

6.78

25000

20000

15000

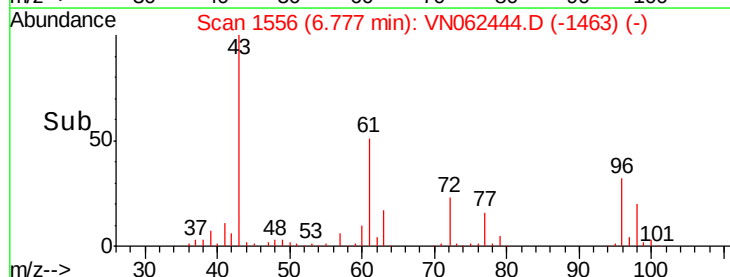
10000

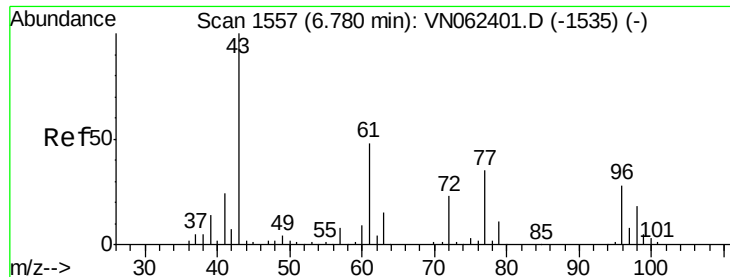
5000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.066 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

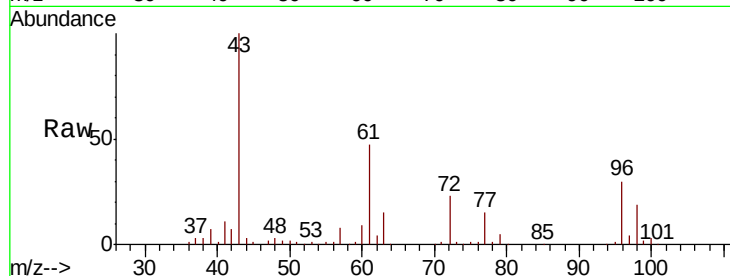
Tot Ion: 96 Resp: 143040

Ion Ratio Lower Upper

96 100

61 156.1 0.0 343.4

98 63.0 0.0 128.4

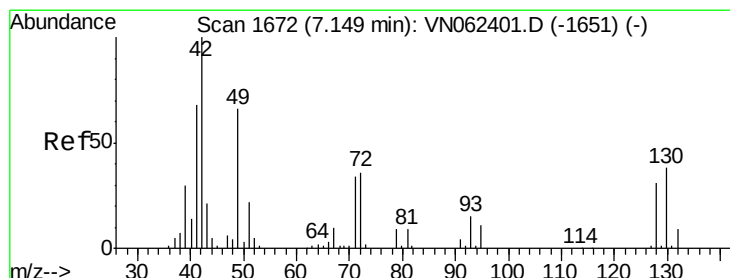
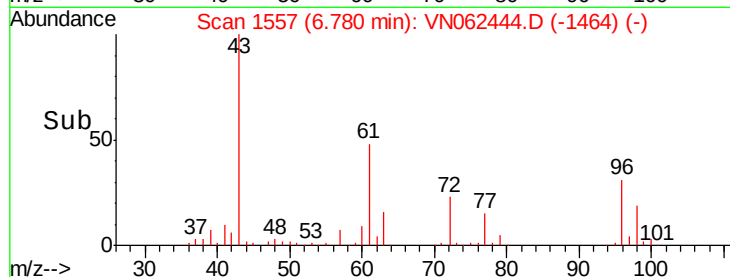
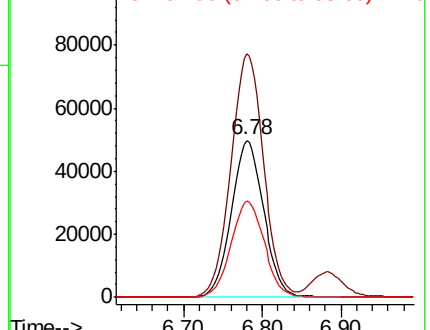


Abundance

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



#28

Bromochloromethane

Concen: 46.586 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

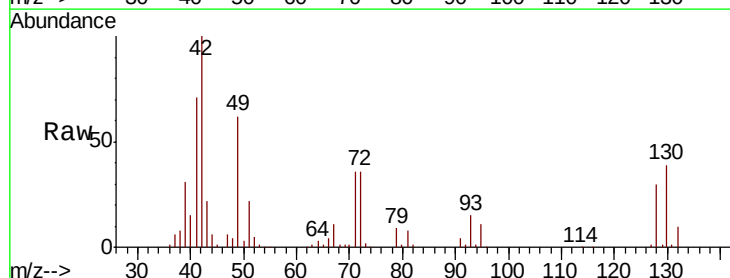
Tgt Ion: 49 Resp: 133048

Ion Ratio Lower Upper

49 100

129 1.4 0.0 2.8

130 60.9 46.5 69.7

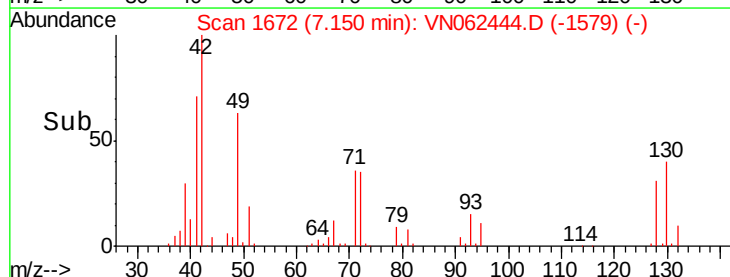
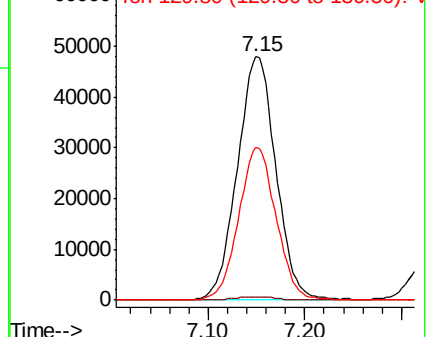


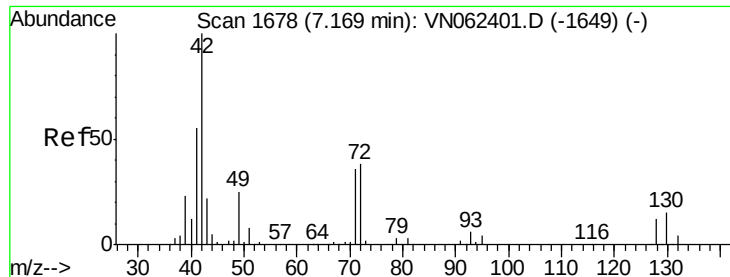
Abundance

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

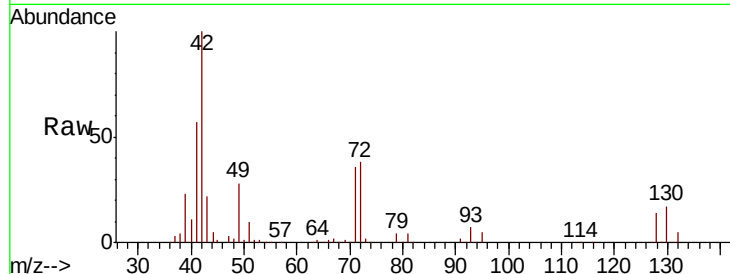




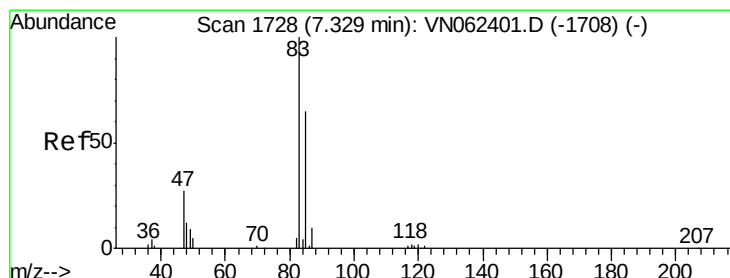
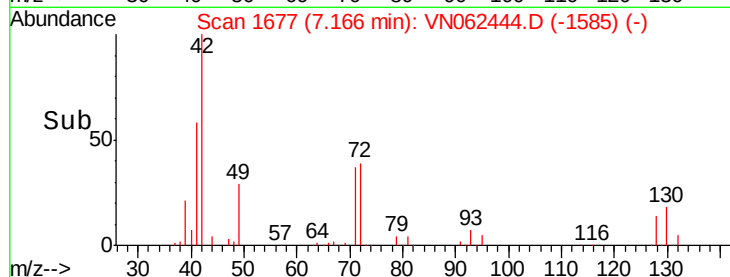
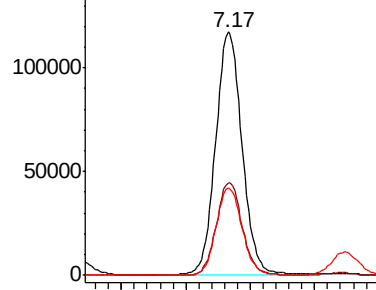
#29
Tetrahydrofuran
Concen: 246.509 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion: 42 Resp: 337618
Ion Ratio Lower Upper
42 100
72 37.2 29.1 43.7
71 35.1 28.1 42.1

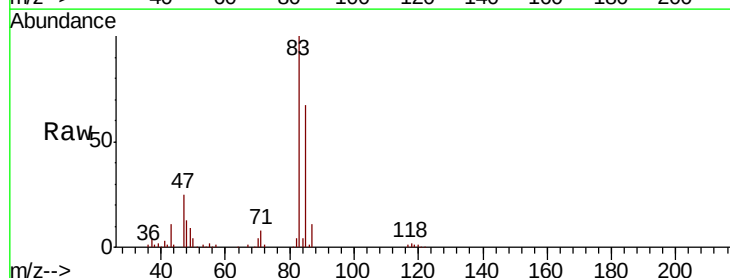


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

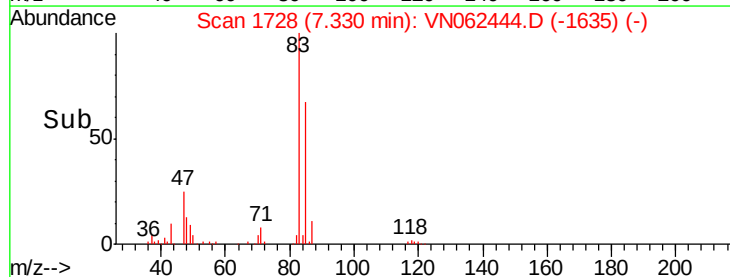
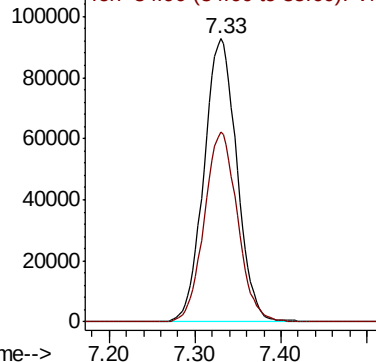


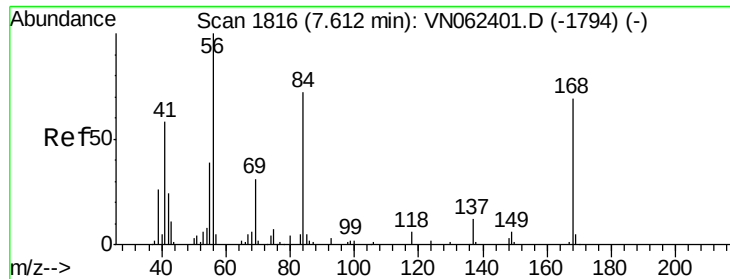
#30
Chloroform
Concen: 51.851 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 83 Resp: 246105
Ion Ratio Lower Upper
83 100
85 67.0 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

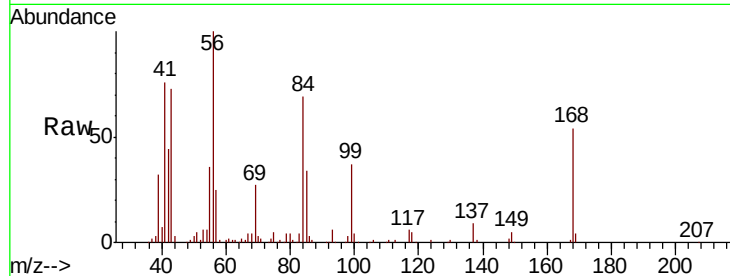




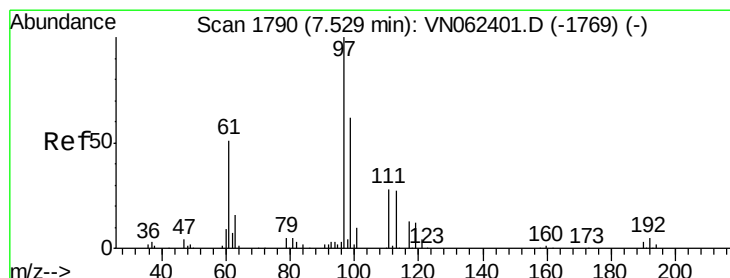
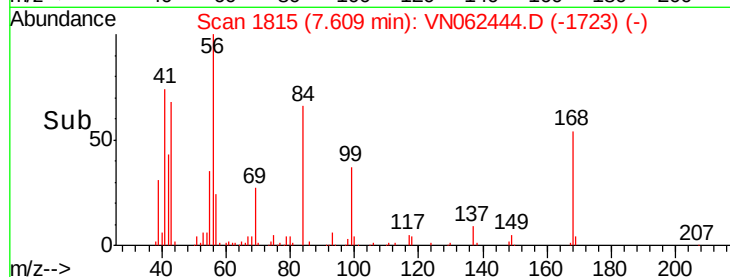
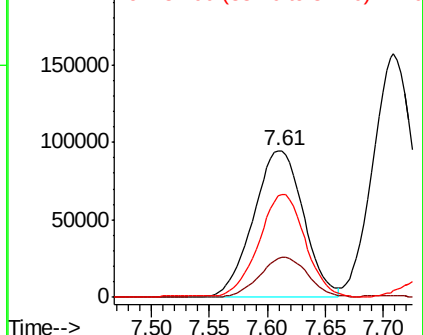
#31
Cyclohexane
Concen: 57.156 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion: 56 Resp: 284835
Ion Ratio Lower Upper
56 100
69 26.5 24.5 36.7
84 67.4 57.4 86.2

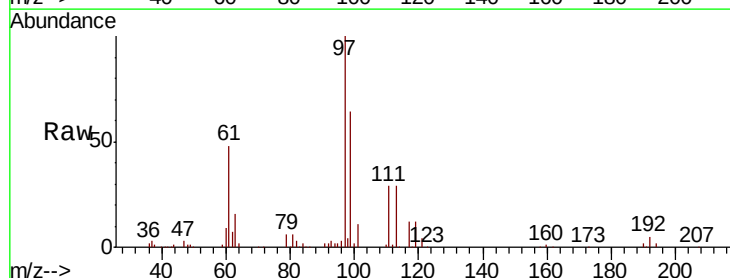


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

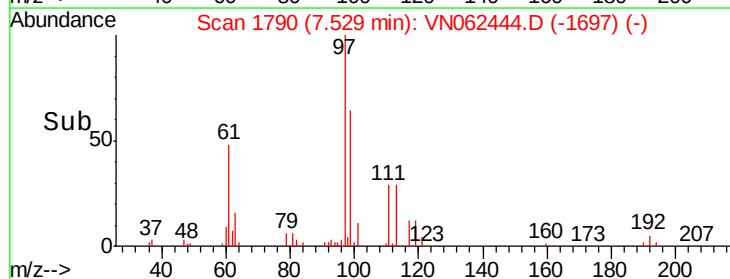
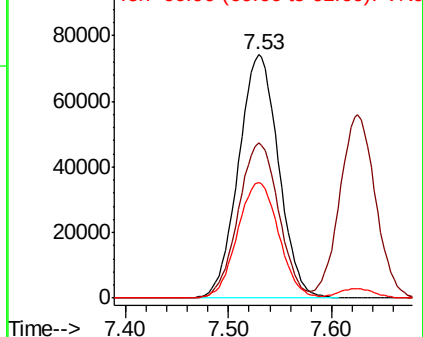


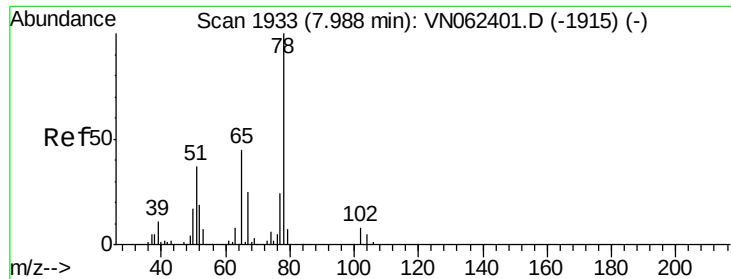
#32
1,1,1-Trichloroethane
Concen: 50.723 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 97 Resp: 200260
Ion Ratio Lower Upper
97 100
99 64.2 50.4 75.6
61 49.0 39.9 59.9



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

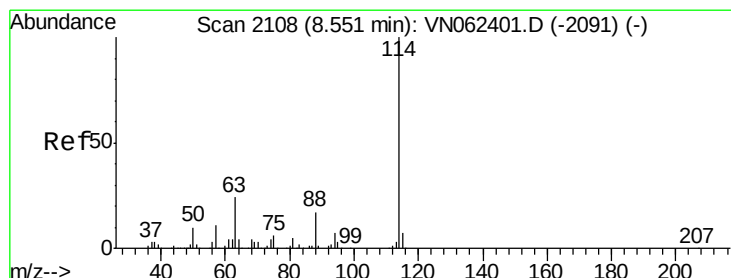
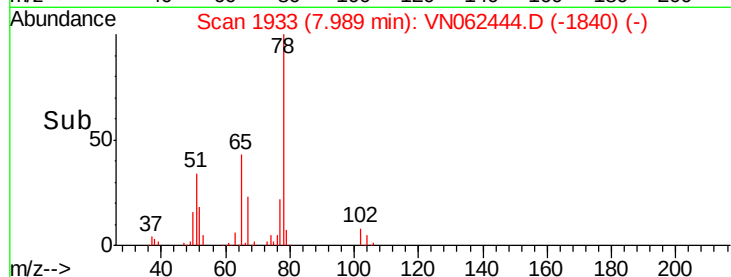
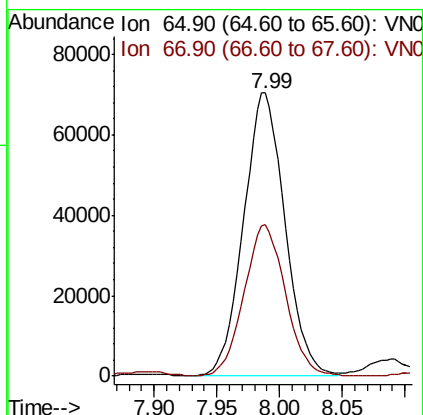
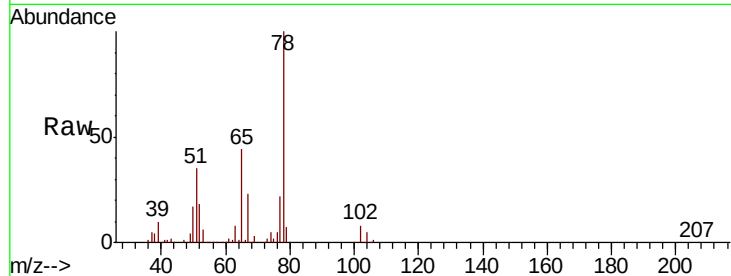




#33
 1,2-Dichloroethane-d4
 Concen: 49.362 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

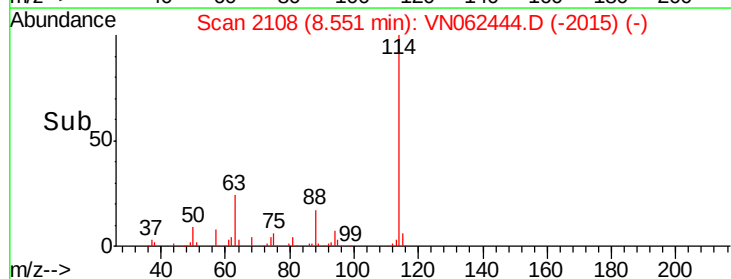
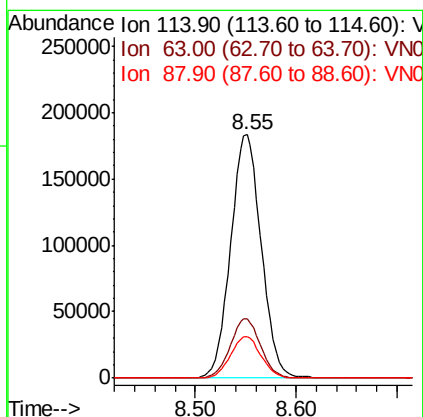
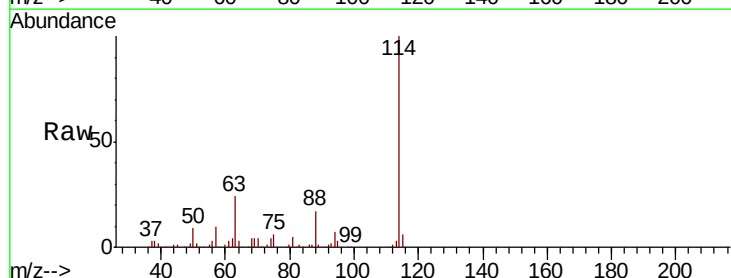
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

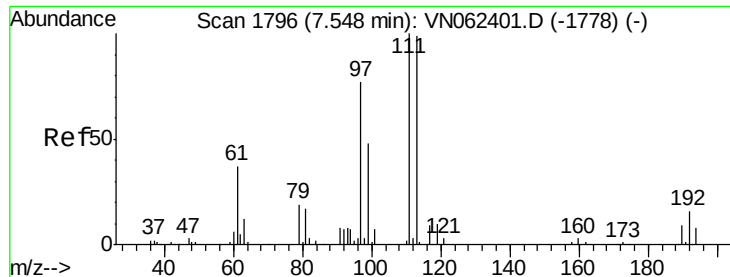
Tot Ion: 65 Resp: 161954
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 114 Resp: 386534
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.4
 88 17.0 0.0 33.8

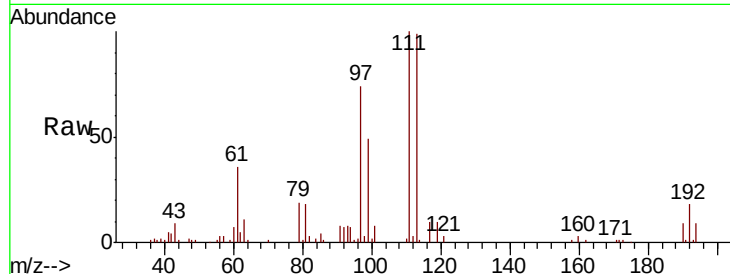




#35
 Dibromofluoromethane
 Concen: 47.799 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.1	124.7
192	18.0	14.1	21.1

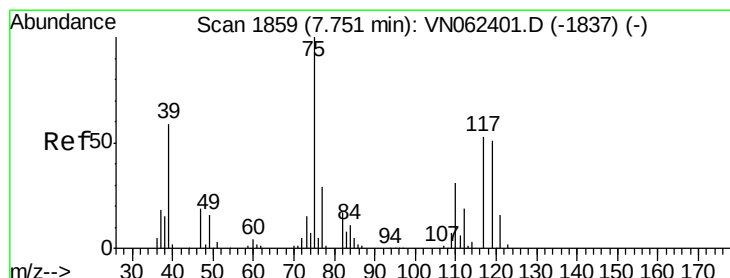
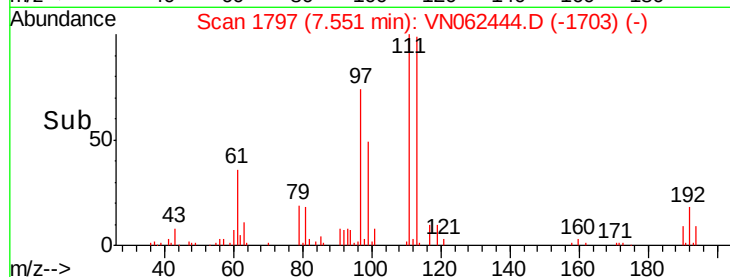
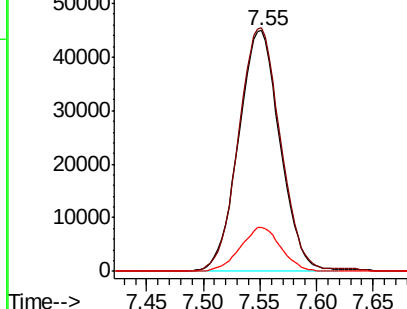


Abundance

Ion 112.80 (112.50 to 113.50): V

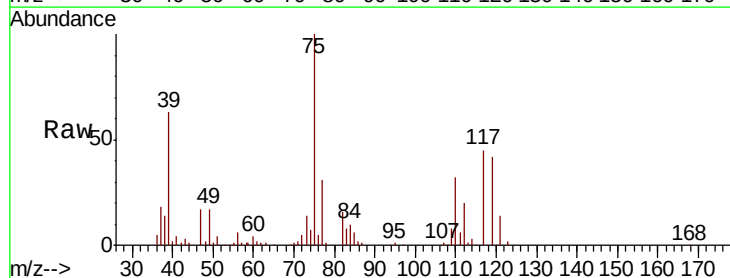
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 47.598 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.4	46.2
77	31.3	24.1	36.1

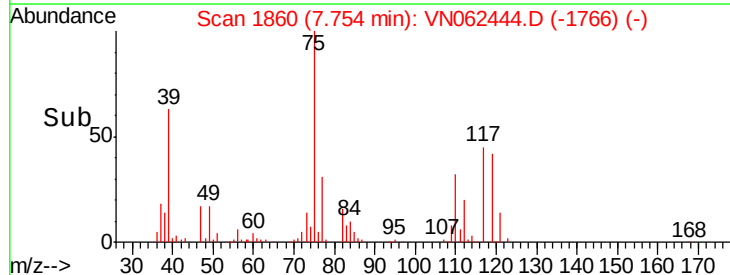
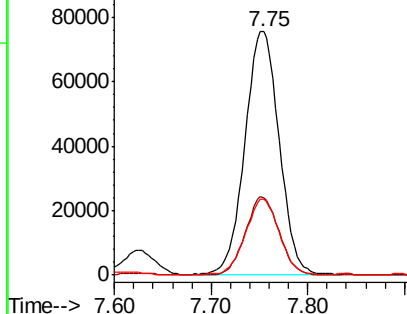


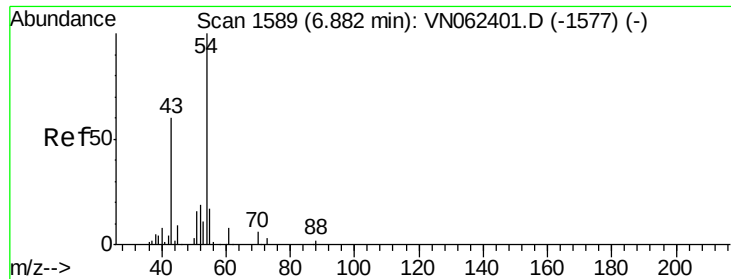
Abundance

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

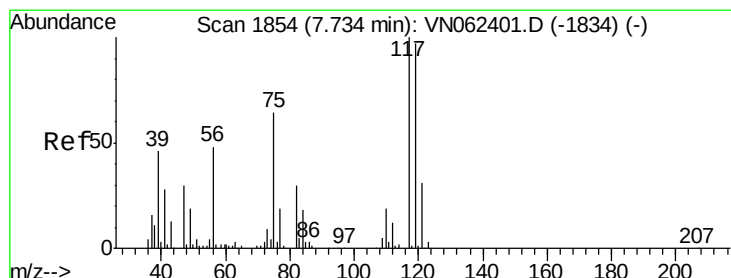
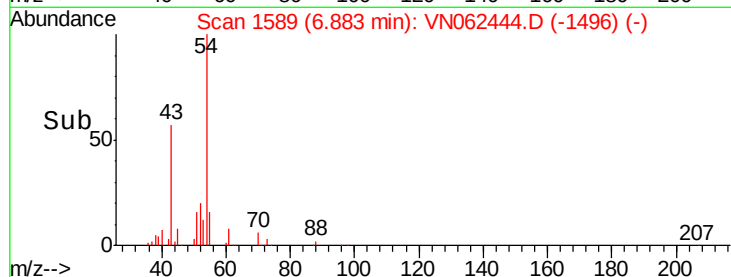
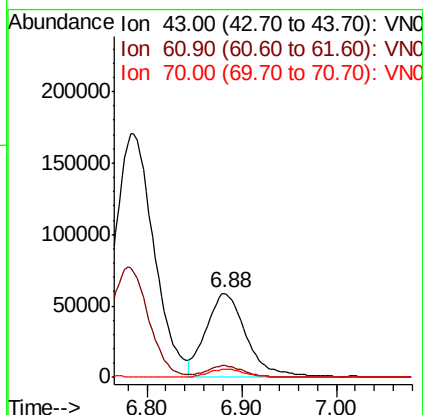
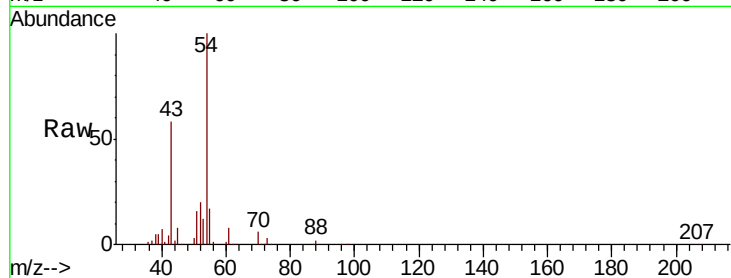




#37
Ethyl Acetate
Concen: 37.416 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

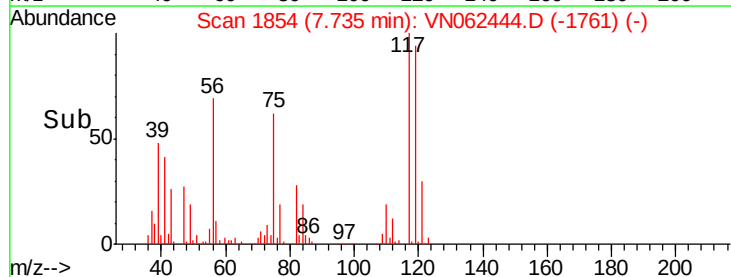
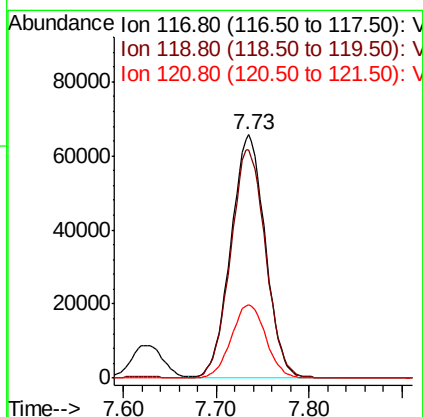
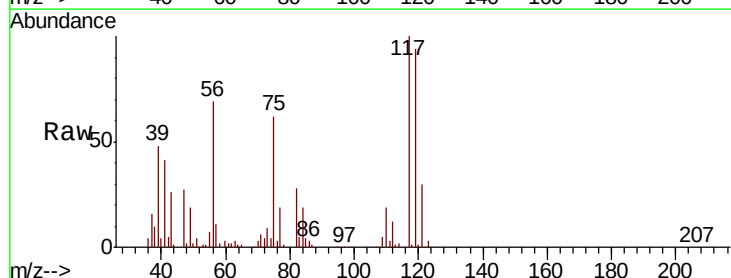
Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

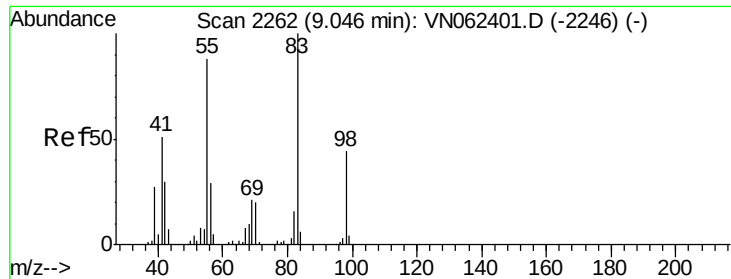
Tot Ion: 43 Resp: 170376
Ion Ratio Lower Upper
43 100
61 13.8 10.7 16.1
70 9.3 7.2 10.8



#38
Carbon Tetrachloride
Concen: 48.436 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 117 Resp: 169579
Ion Ratio Lower Upper
117 100
119 93.6 77.2 115.8
121 30.3 24.8 37.2

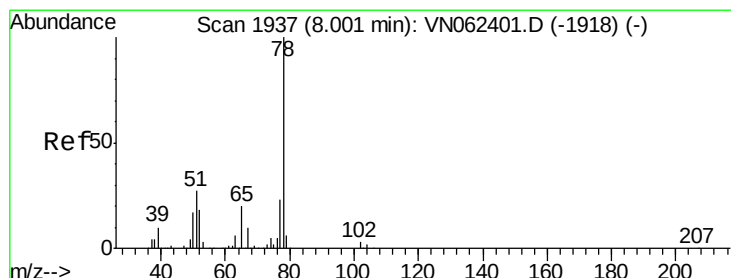
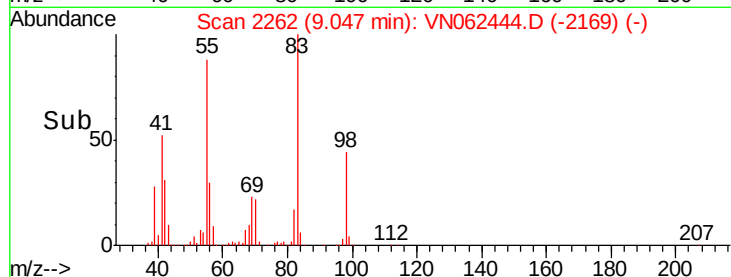
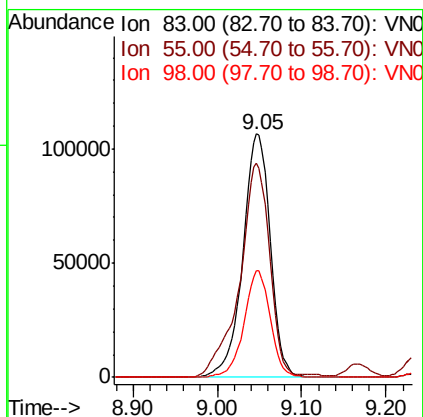
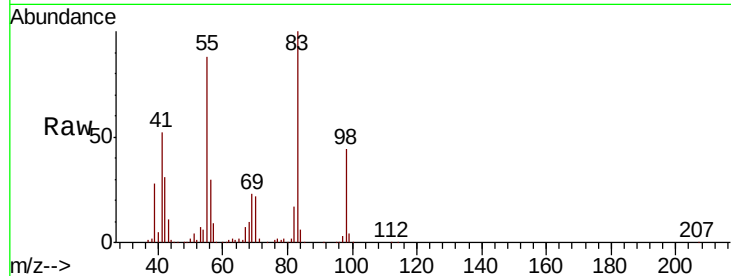




#39
Methylvlcyclohexane
Concen: 58.131 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

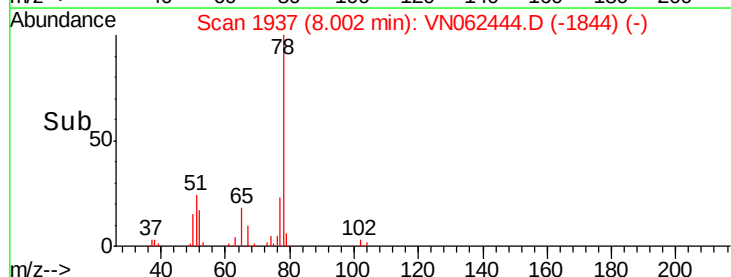
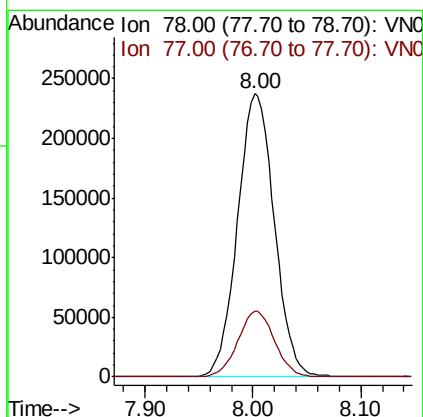
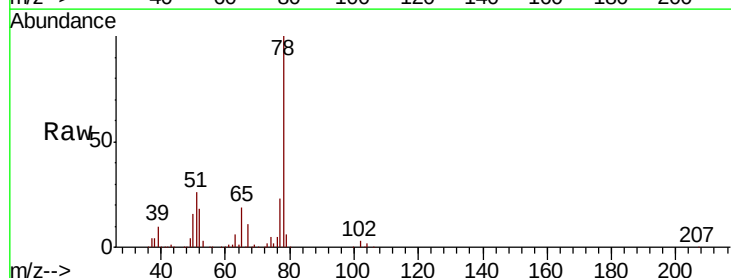
Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

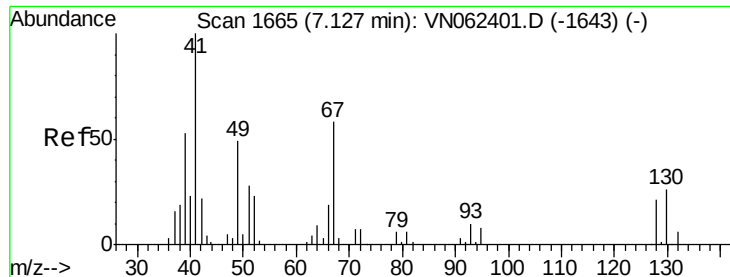
Tot Ion: 83 Resp: 241681
Ion Ratio Lower Upper
83 100
55 88.0 70.5 105.7
98 43.8 35.5 53.3



#40
Benzene
Concen: 49.046 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 78 Resp: 562918
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1

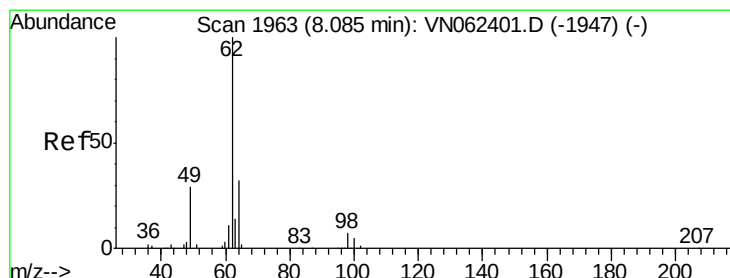
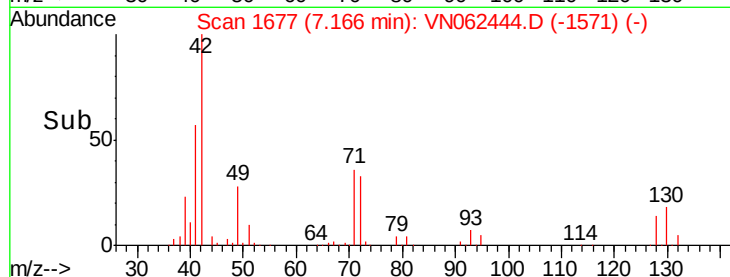
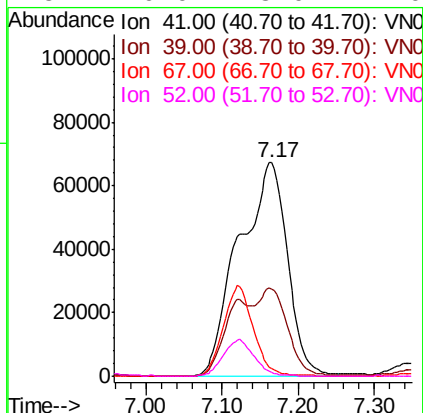
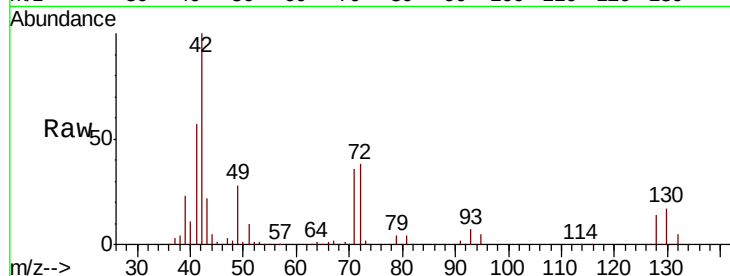




#41
Methacrylonitrile
Concen: 156.427 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

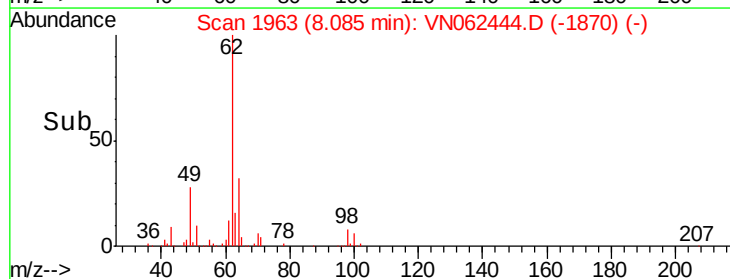
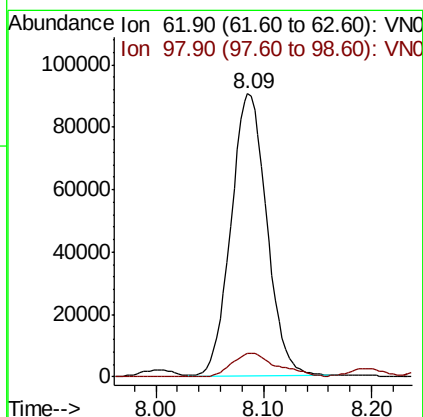
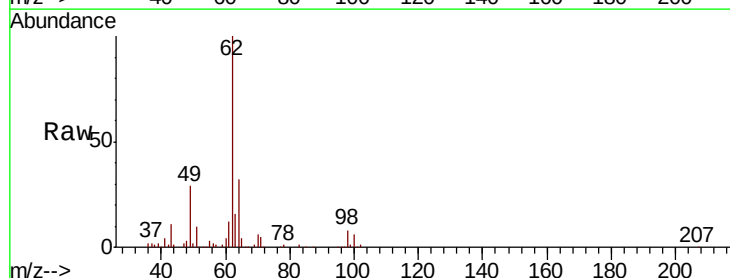
Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

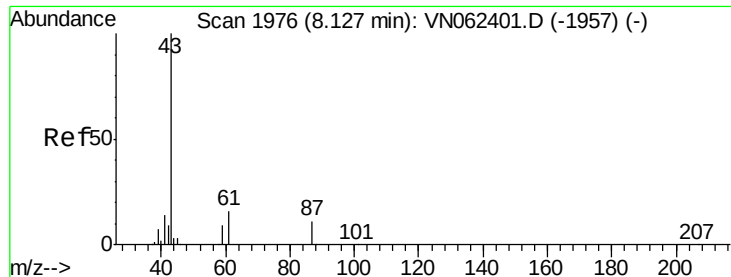
Tot Ion: 41 Resp: 297608
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.2#
67 0.0 64.2 96.2#
52 0.0 28.0 42.0#



#42
1,2-Dichloroethane
Concen: 49.815 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 62 Resp: 209349
Ion Ratio Lower Upper
62 100
98 10.6 0.0 15.8





#43

Isopropyl Acetate

Concen: 52.776 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

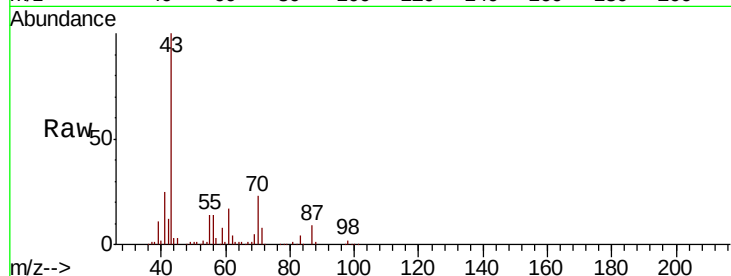
Tot Ion: 43 Resp: 379639

Ion Ratio Lower Upper

43 100

61 21.3 19.3 28.9

87 9.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062401.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062401.D (-1957) (-)

8.12

150000

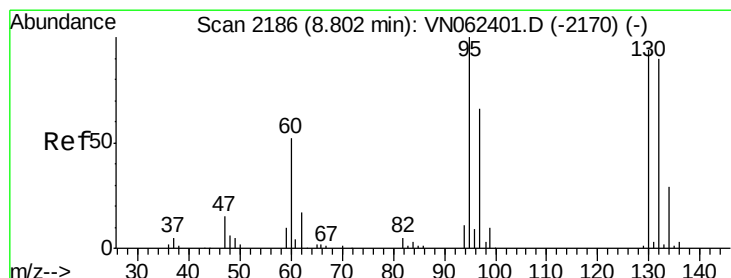
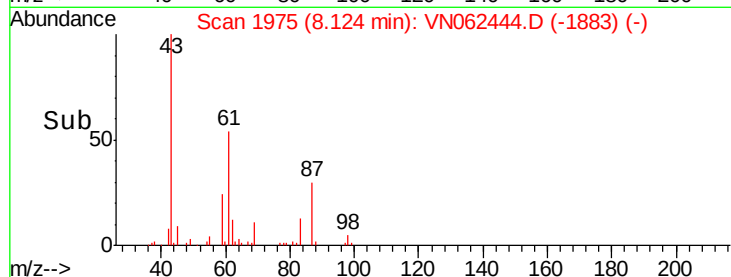
100000

50000

0

8.00 8.10 8.20

Time-->



#44

Trichloroethene

Concen: 49.929 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062444.D

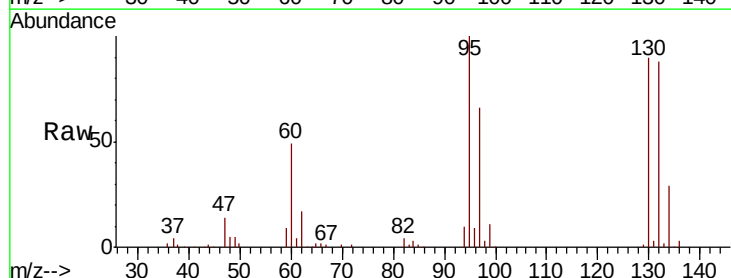
Acq: 9 Jul 2020 7:11

Tgt Ion:130 Resp: 127144

Ion Ratio Lower Upper

130 100

95 111.4 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062401.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062401.D (-2170) (-)

8.80

60000

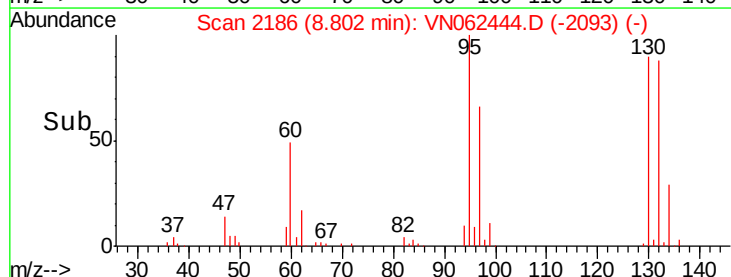
40000

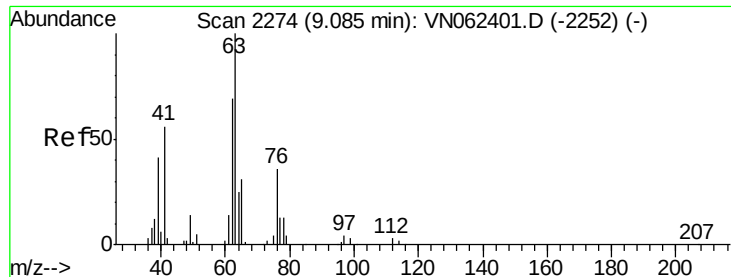
20000

0

8.70 8.80 8.90

Time-->

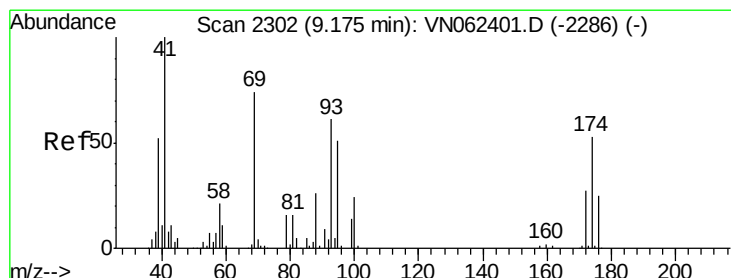
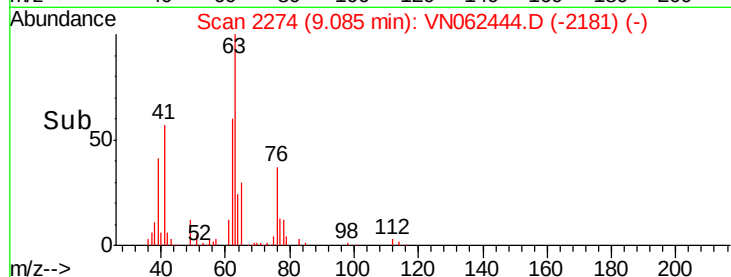
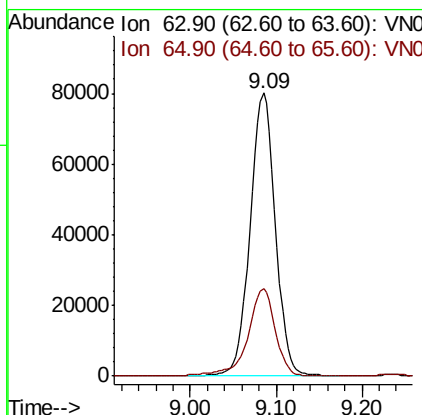
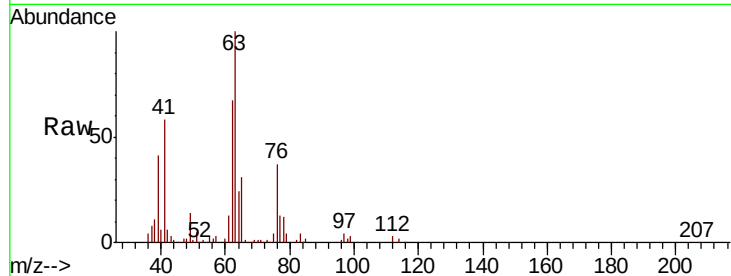




#45
 1,2-Dichloropropane
 Concen: 49.221 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

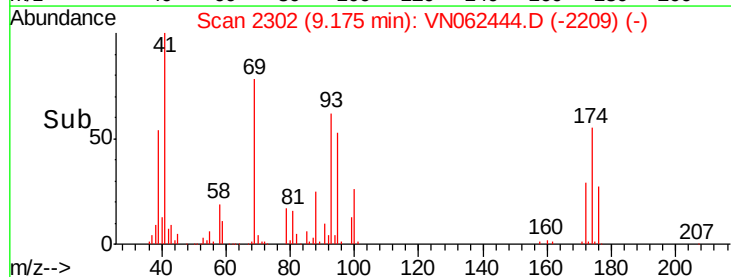
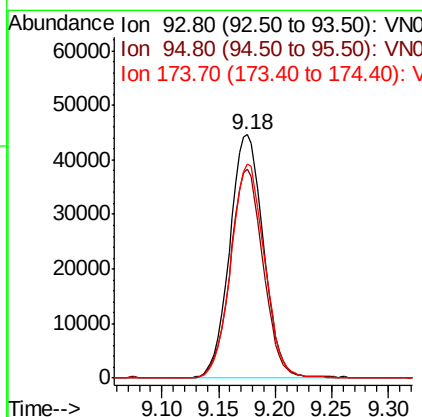
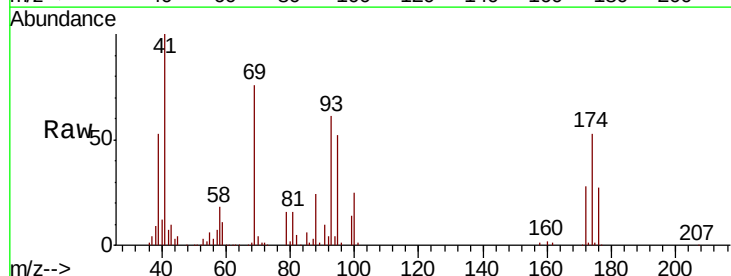
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

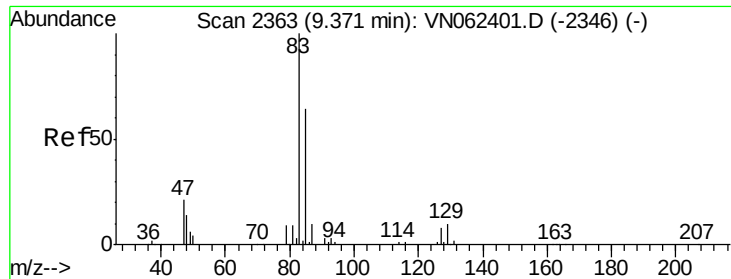
Tot Ion: 63 Resp: 163995
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8



#46
 Dibromomethane
 Concen: 49.467 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 93 Resp: 93008
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.1 100.7
 174 87.5 70.4 105.6

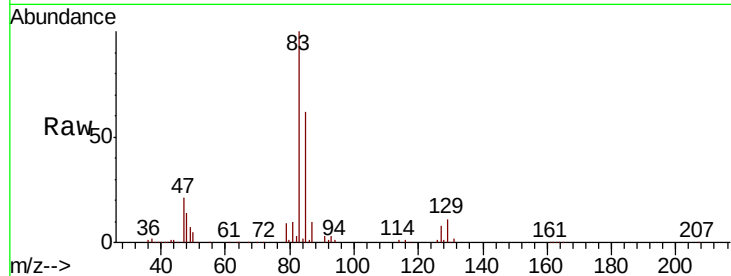




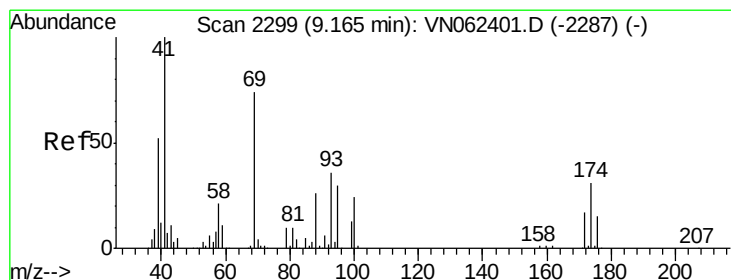
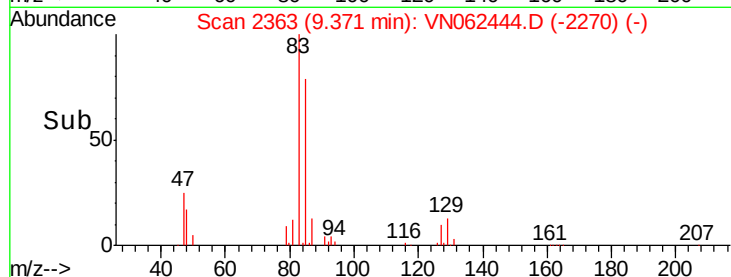
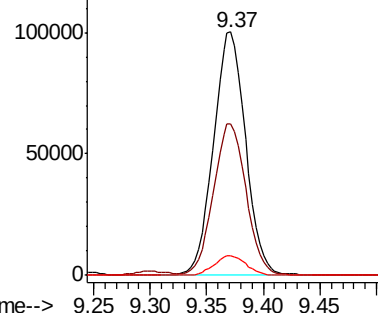
#47
Bromodichloromethane
Concen: 49.400 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion: 83 Resp: 198580
Ion Ratio Lower Upper
83 100
85 62.1 51.2 76.8
127 8.1 6.2 9.2

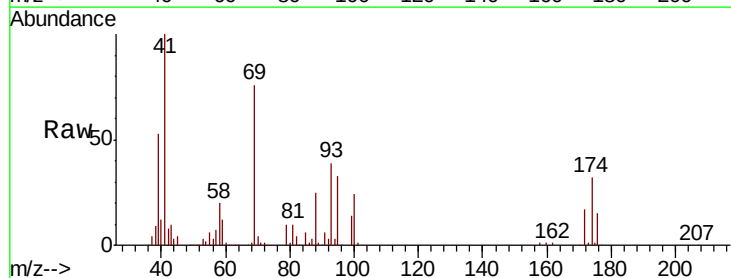


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

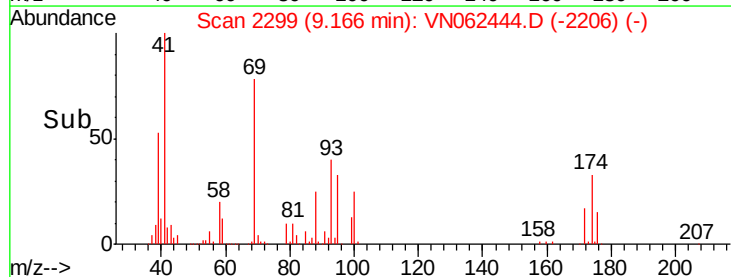
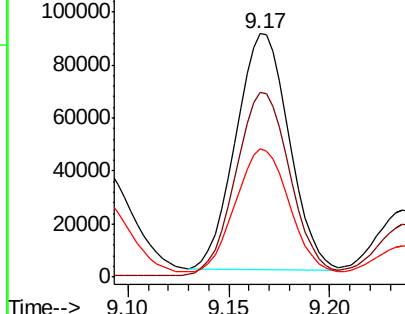


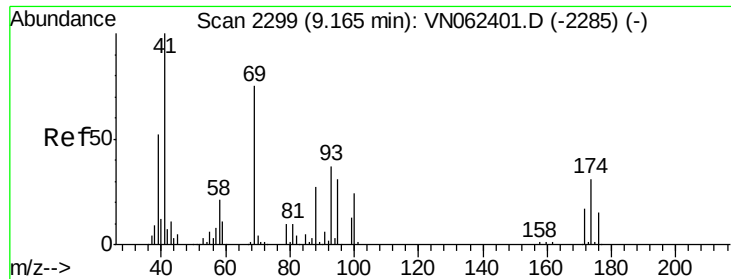
#48
Methyl methacrylate
Concen: 46.666 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 41 Resp: 164667
Ion Ratio Lower Upper
41 100
69 79.1 60.8 91.2
39 52.4 43.5 65.3



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

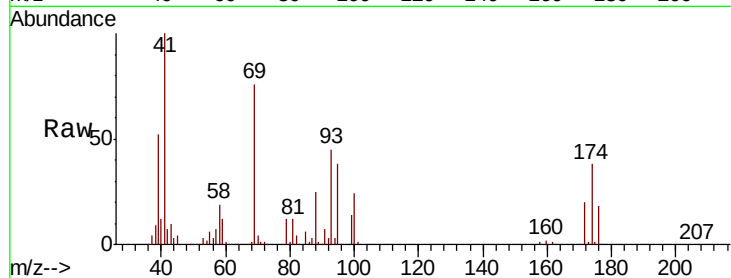




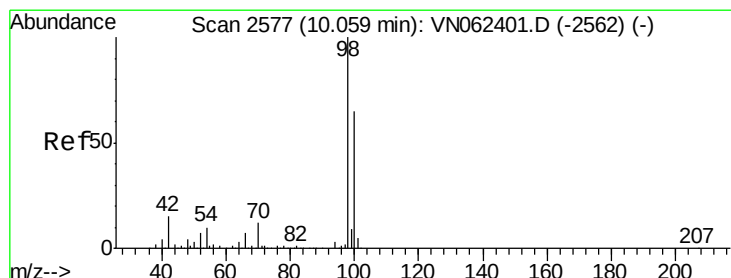
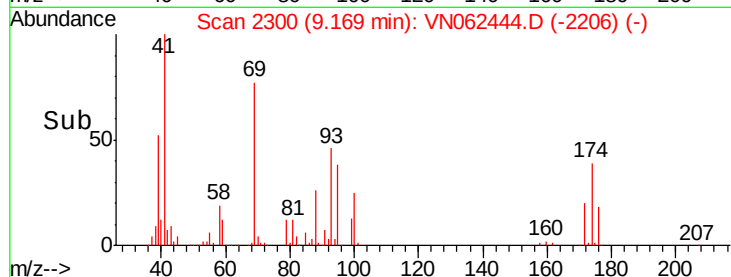
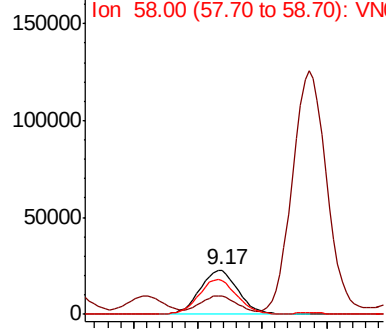
#49
 1,4-Dioxane
 Concen: 919.596 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

Tot Ion: 88 Resp: 47230
 Ion Ratio Lower Upper
 88 100
 43 39.0 31.0 46.4
 58 78.9 63.3 94.9

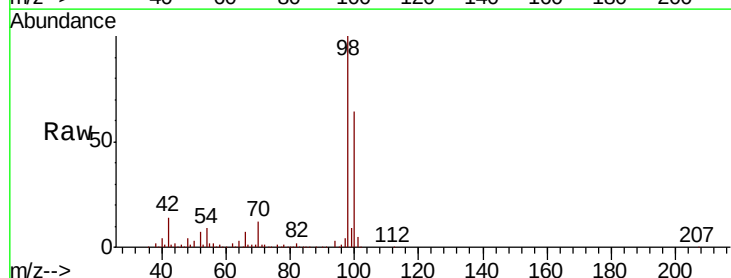


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

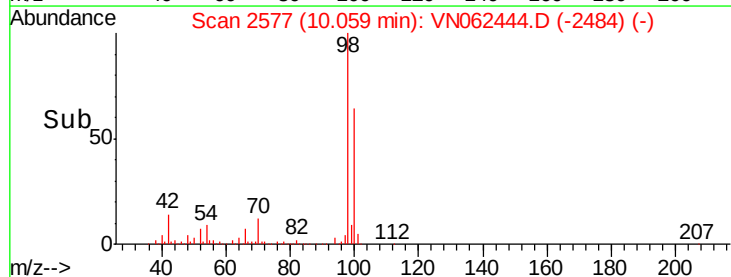
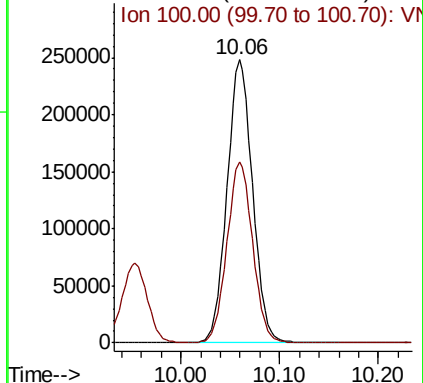


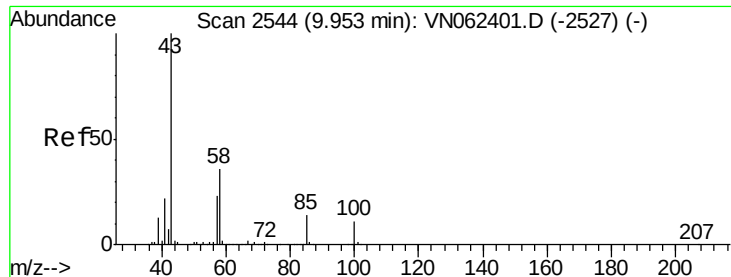
#50
 Toluene-d8
 Concen: 47.681 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 98 Resp: 449742
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

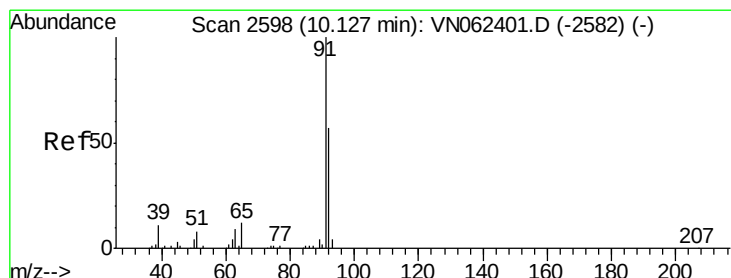
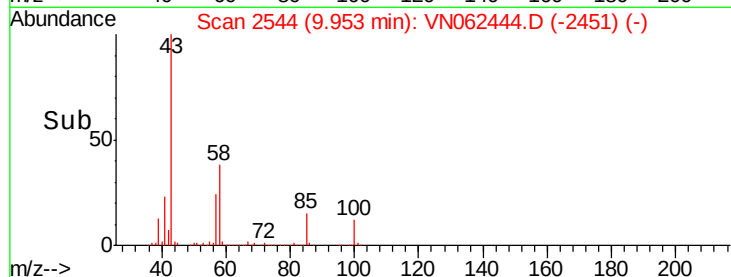
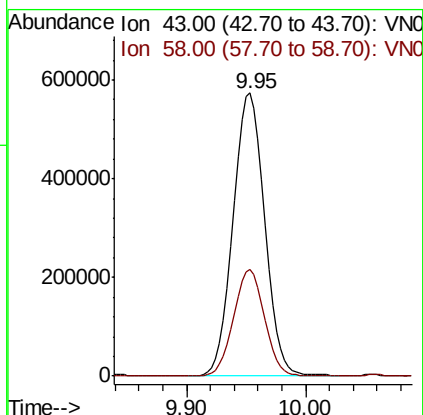
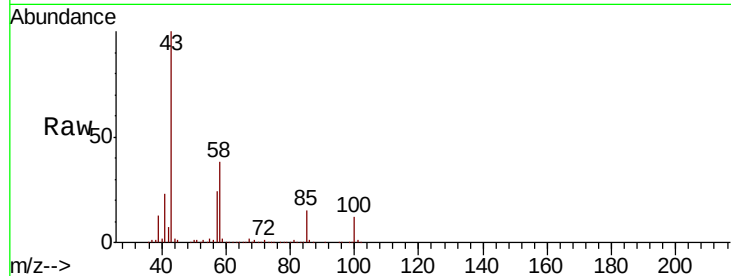




#51
 4-Methyl-2-Pentanone
 Concen: 245.557 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

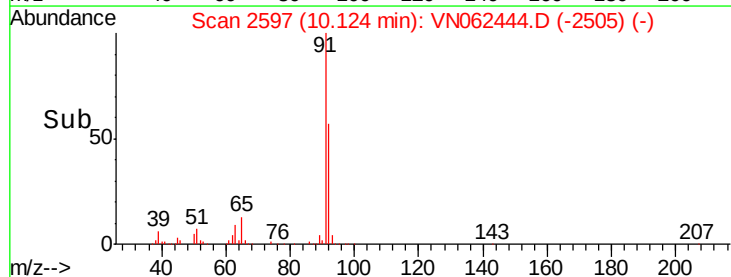
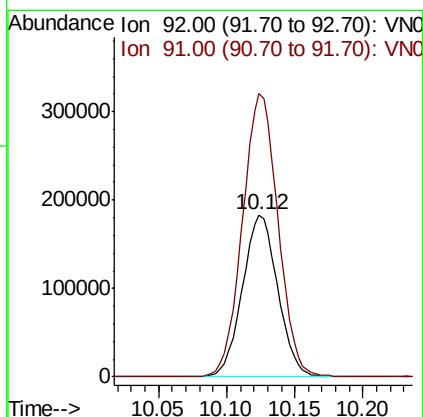
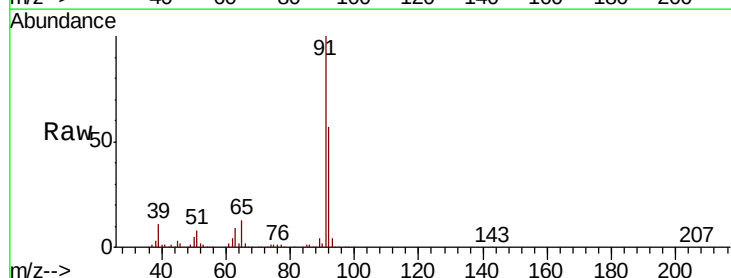
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

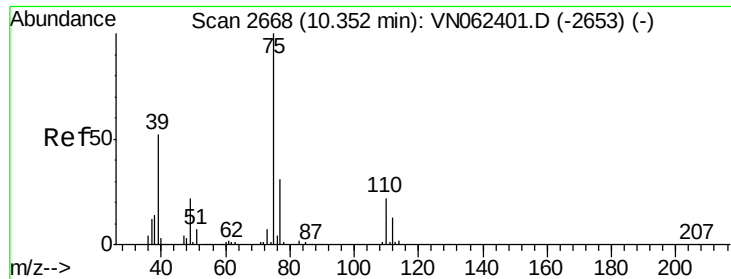
Tot Ion: 43 Resp: 1055038
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.0 43.6



#52
 Toluene
 Concen: 49.607 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 92 Resp: 328867
 Ion Ratio Lower Upper
 92 100
 91 176.3 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 44.164 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

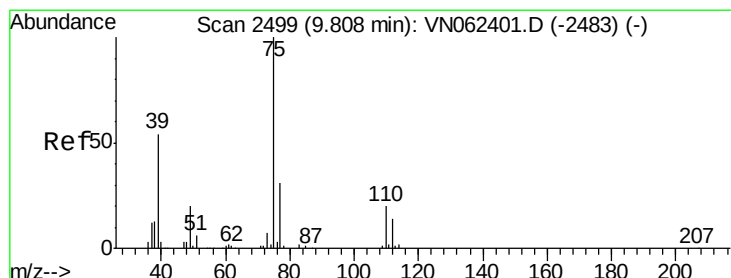
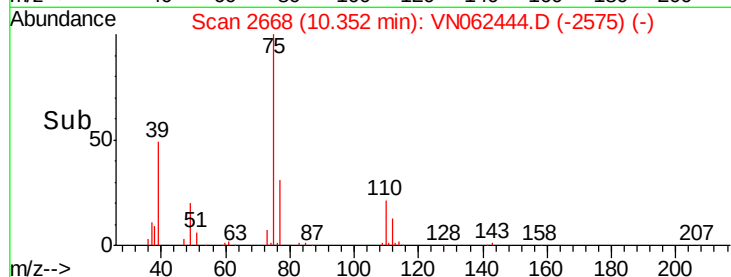
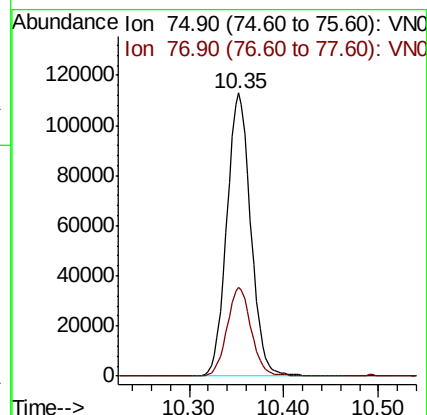
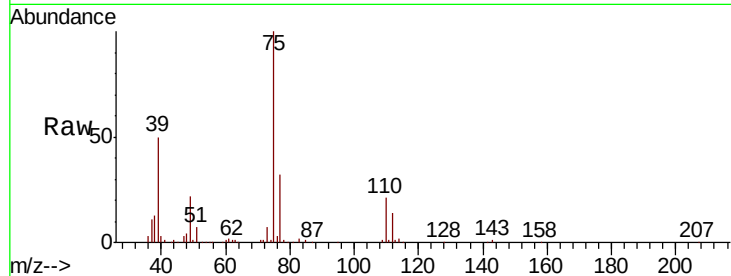
MW-14MSD

Tot Ion: 75 Resp: 198899

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 42.555 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

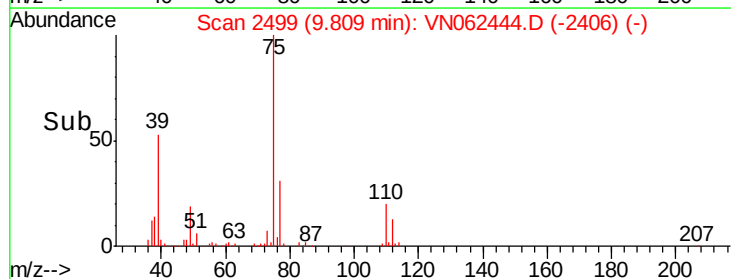
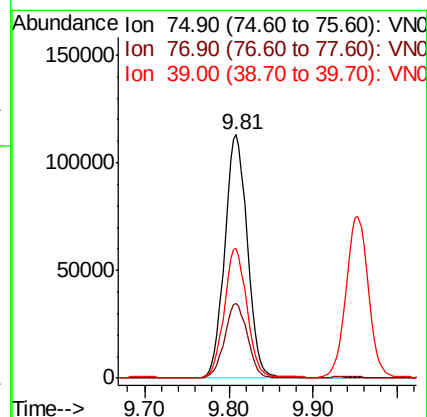
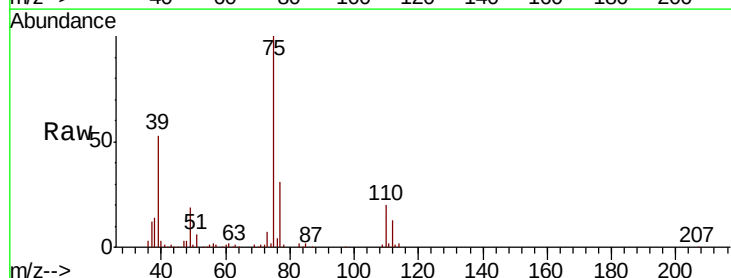
Tgt Ion: 75 Resp: 211457

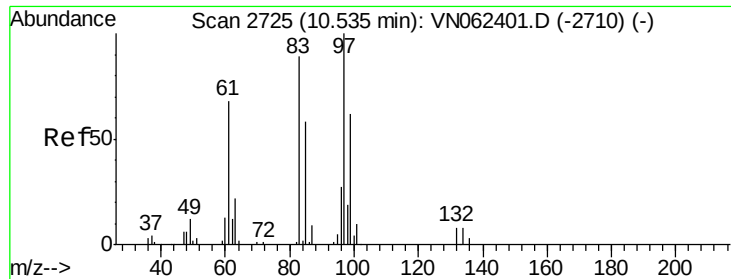
Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7

39 53.1 43.4 65.0

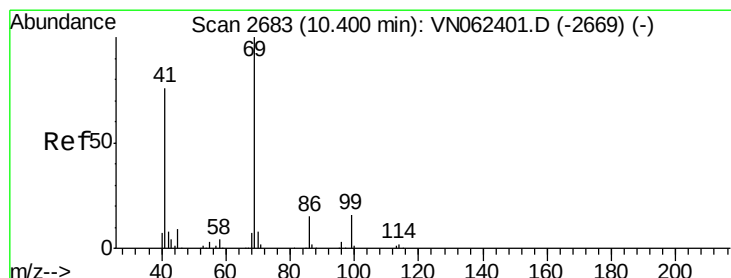
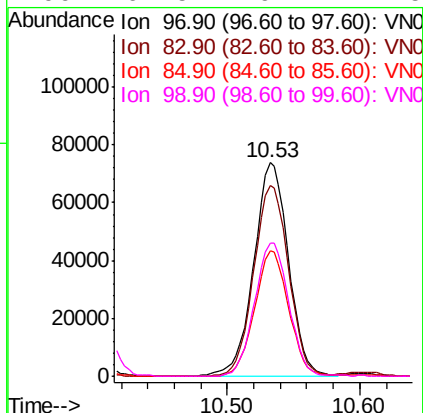
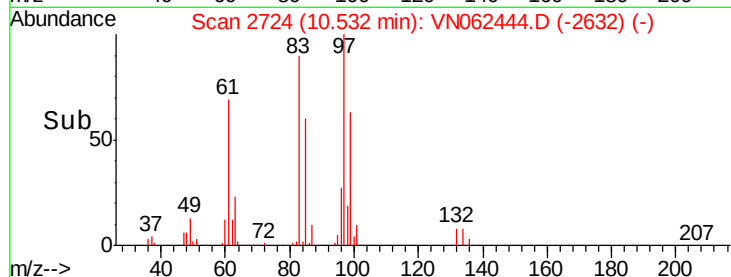
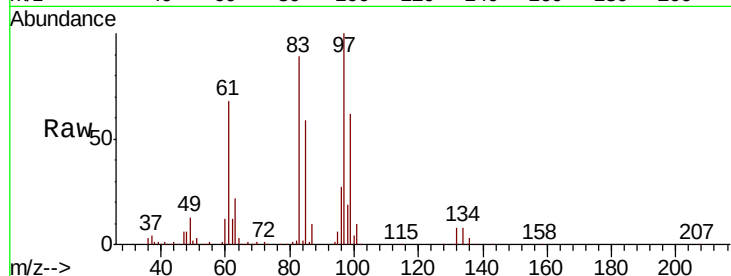




#55
 1,1,2-Trichloroethane
 Concen: 51.534 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

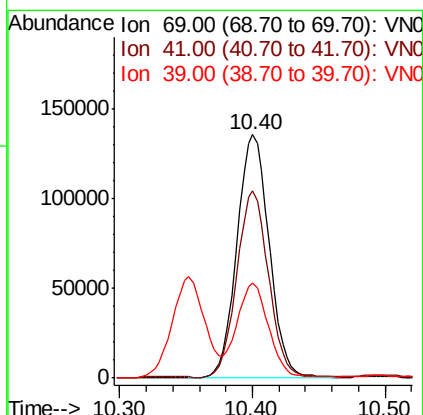
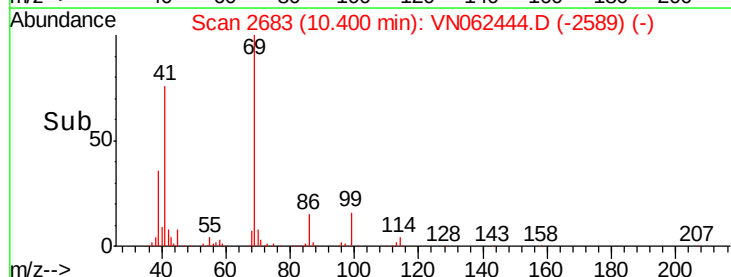
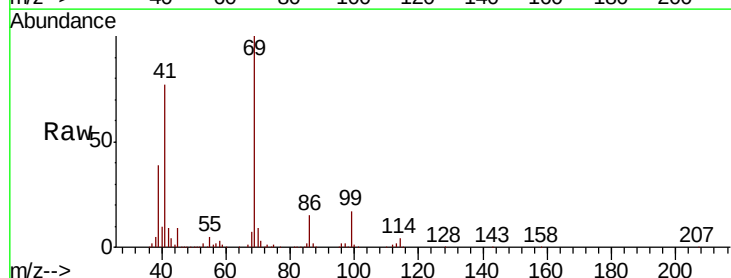
Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

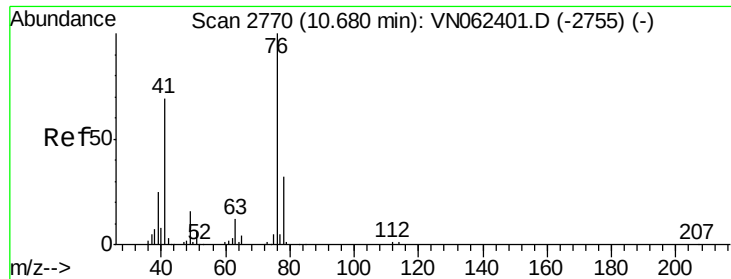
Tot Ion: 97 Resp: 134370
 Ion Ratio Lower Upper
 97 100
 83 89.3 71.0 106.4
 85 58.6 46.2 69.4
 99 62.5 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 47.979 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 69 Resp: 229883
 Ion Ratio Lower Upper
 69 100
 41 75.1 59.7 89.5
 39 37.2 30.6 45.8

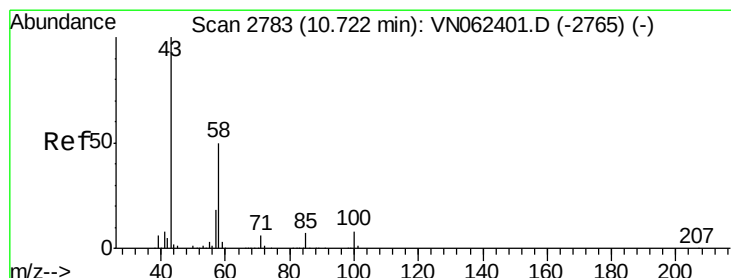
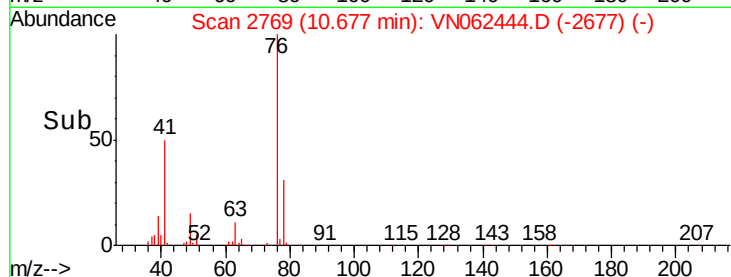
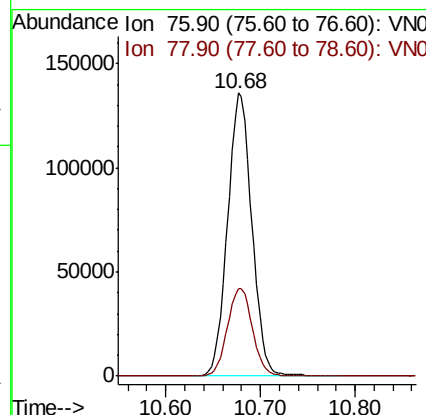
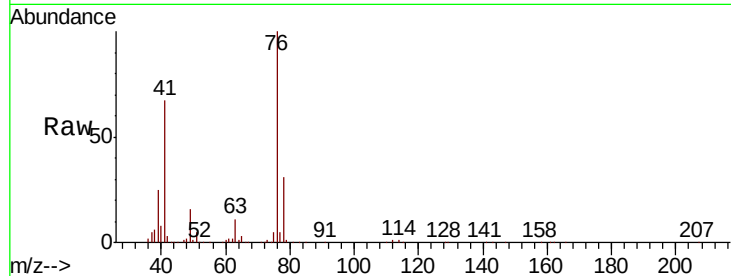




#57
 1,3-Dichloropropane
 Concen: 50.445 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

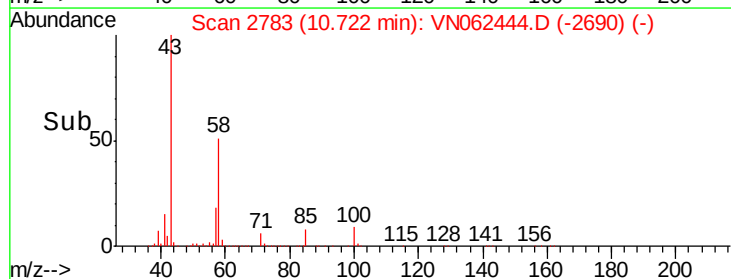
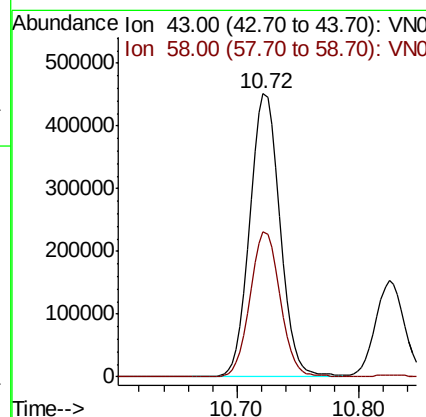
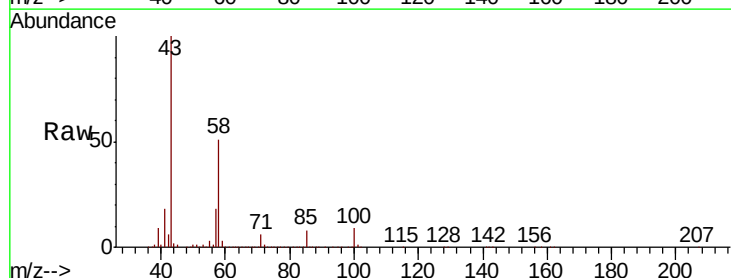
Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

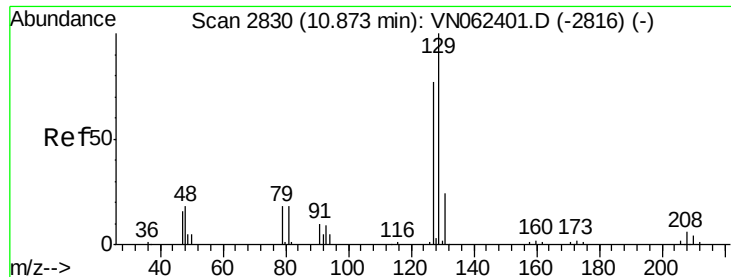
Tot Ion: 76 Resp: 242998
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#59
 2-Hexanone
 Concen: 245.205 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 43 Resp: 764832
 Ion Ratio Lower Upper
 43 100
 58 51.3 25.1 75.2

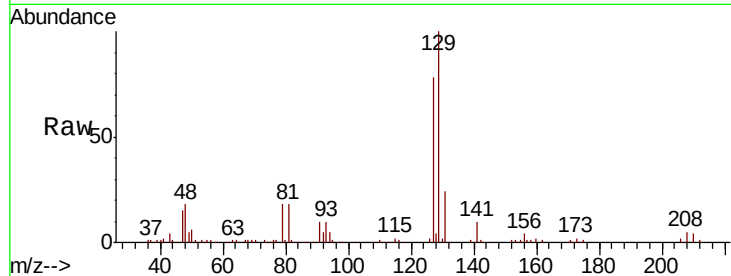




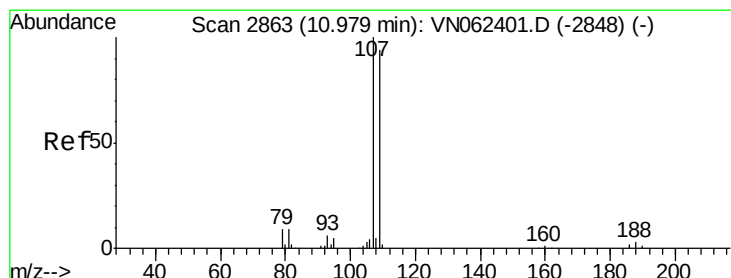
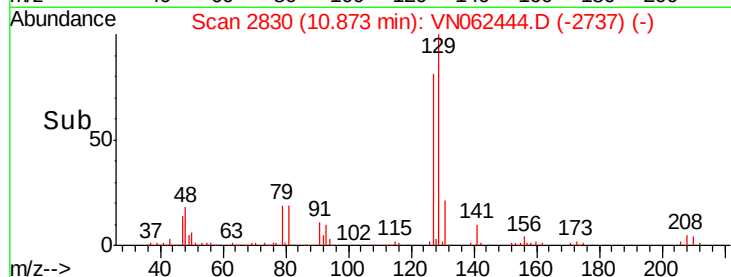
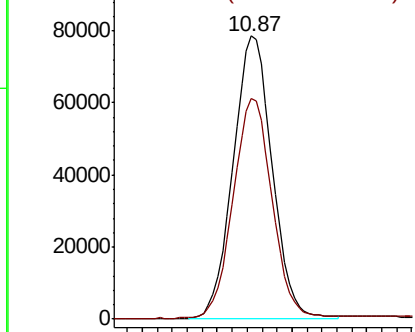
#60
 Dibromochloromethane
 Concen: 50.088 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion:129 Resp: 141604
 Ion Ratio Lower Upper
 129 100
 127 77.6 38.6 115.8

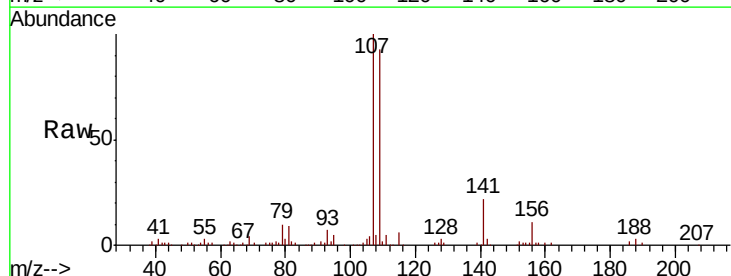


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

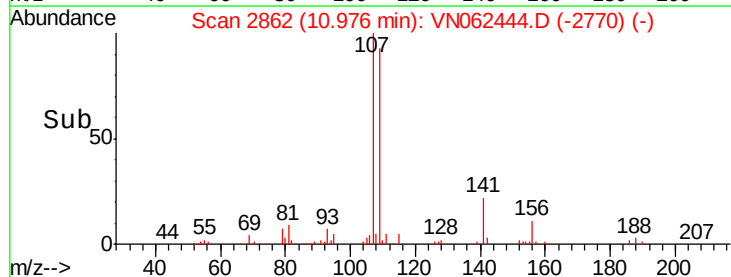
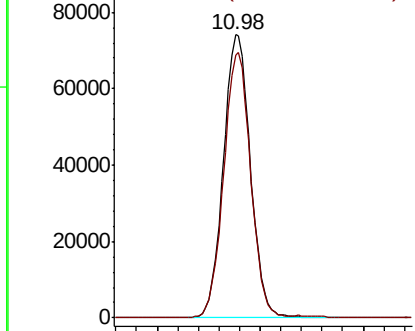


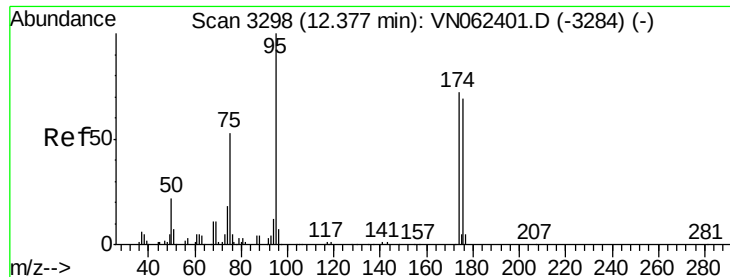
#61
 1,2-Dibromoethane
 Concen: 51.433 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion:107 Resp: 135375
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.293 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

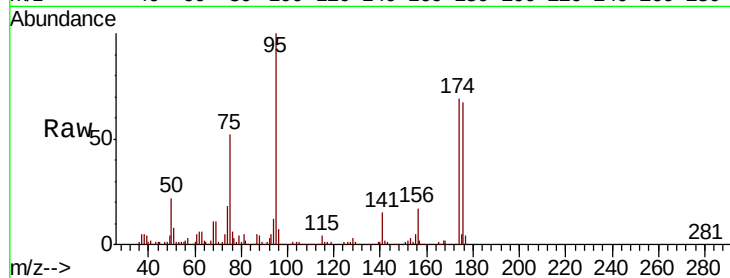
Tot Ion: 95 Resp: 166458

Ion Ratio Lower Upper

95 100

174 69.0 0.0 141.6

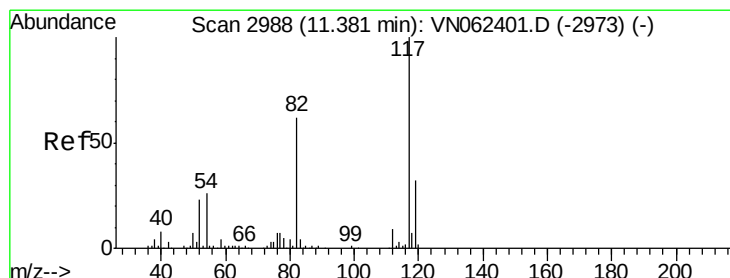
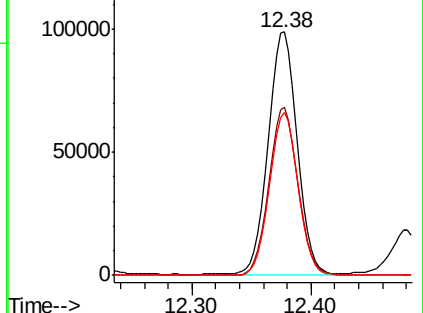
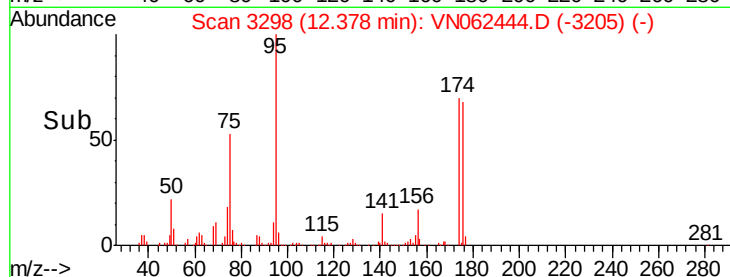
176 66.0 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062444.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062444.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062444.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

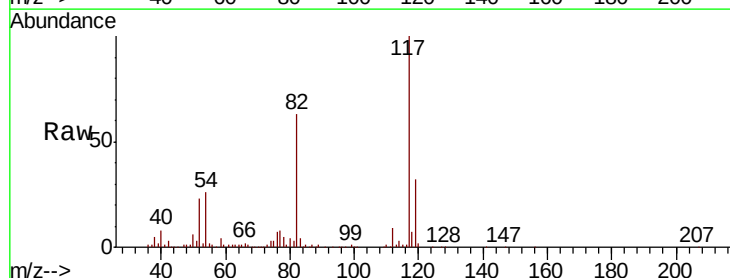
Tgt Ion: 117 Resp: 347330

Ion Ratio Lower Upper

117 100

82 62.5 49.6 74.4

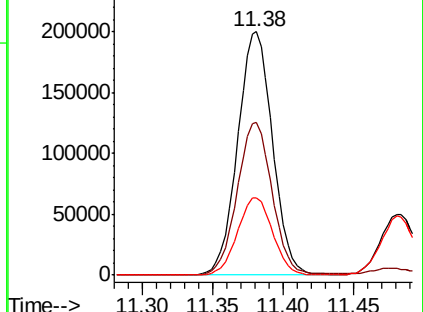
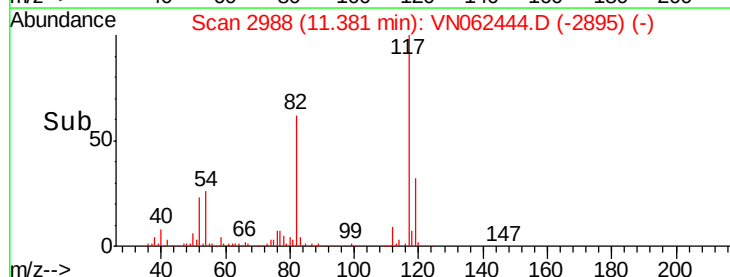
119 32.0 25.4 38.0

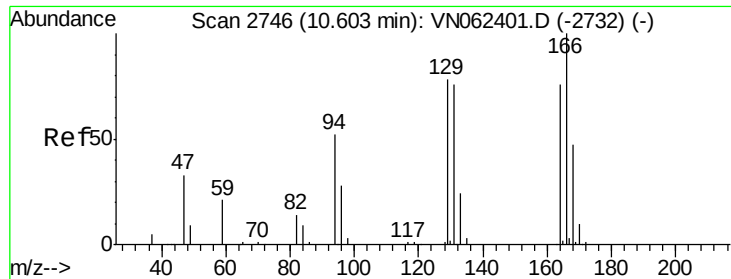


Abundance Ion 116.90 (116.60 to 117.60): VN062444.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062444.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062444.D (-2895) (-)





#64

Tetrachloroethene

Concen: 45.814 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion:164 Resp: 94424

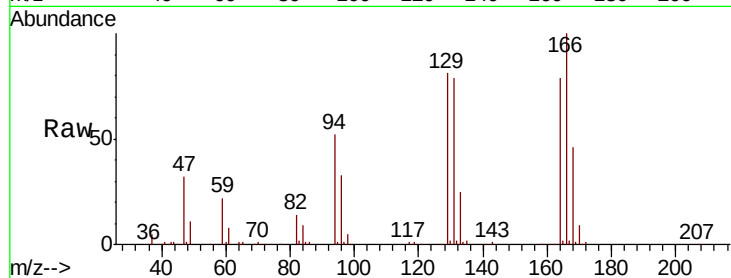
Ion Ratio Lower Upper

164 100

166 126.6 104.9 157.3

129 102.6 81.8 122.6

131 99.4 79.3 118.9

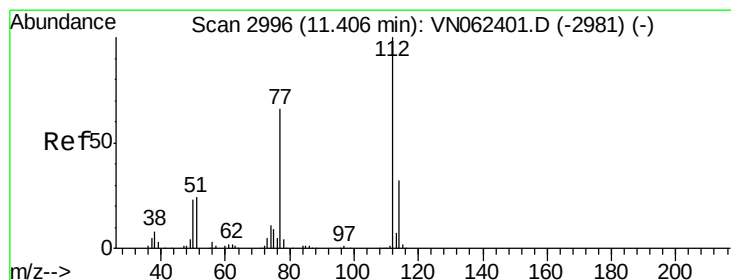
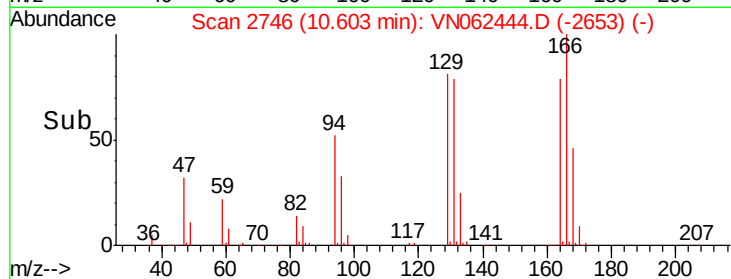
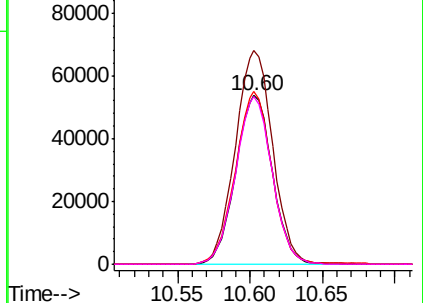


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.216 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062444.D

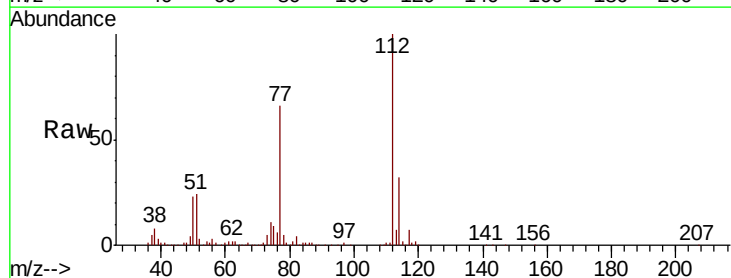
Acq: 9 Jul 2020 7:11

Tgt Ion:112 Resp: 338981

Ion Ratio Lower Upper

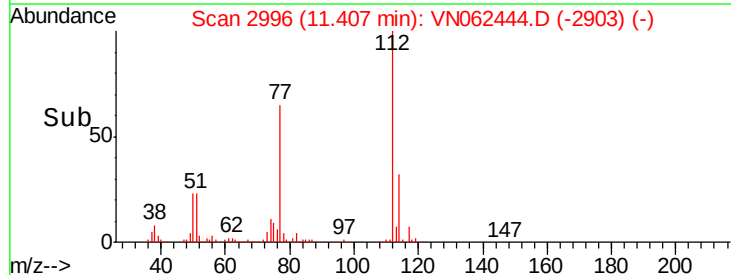
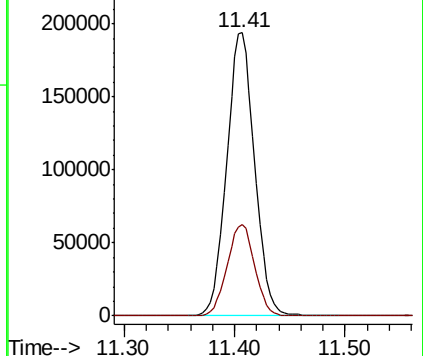
112 100

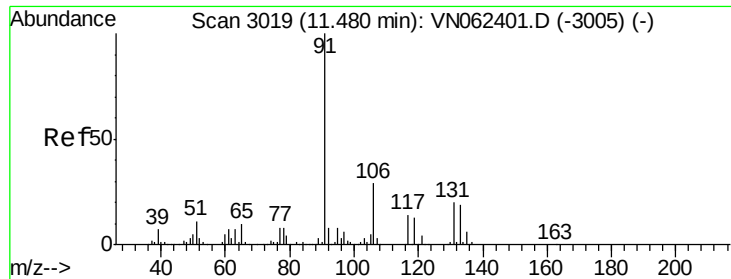
114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.520 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

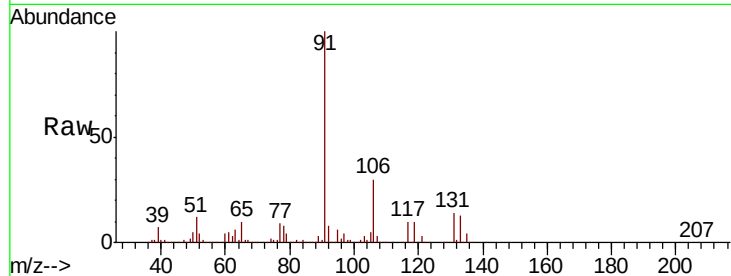
Tot Ion:131 Resp: 123273

Ion Ratio Lower Upper

131 100

133 96.9 46.9 140.8

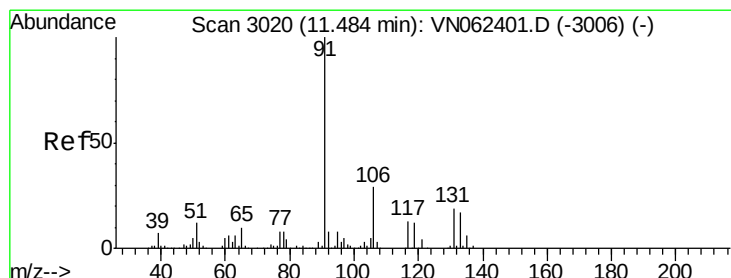
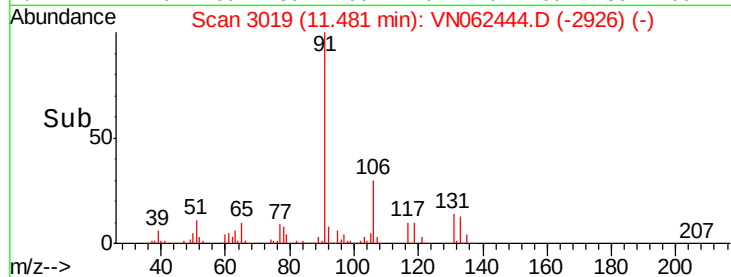
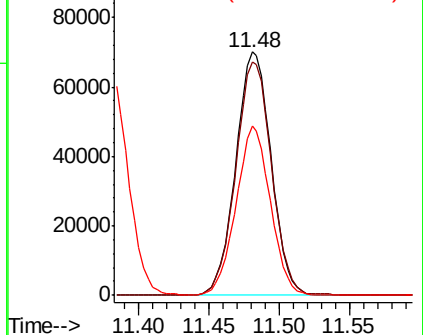
119 67.5 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 70.170 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062444.D

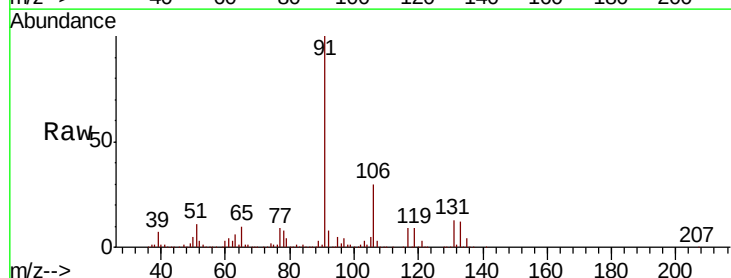
Acq: 9 Jul 2020 7:11

Tgt Ion: 91 Resp: 889138

Ion Ratio Lower Upper

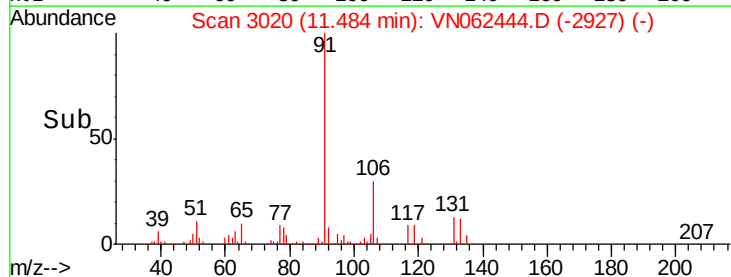
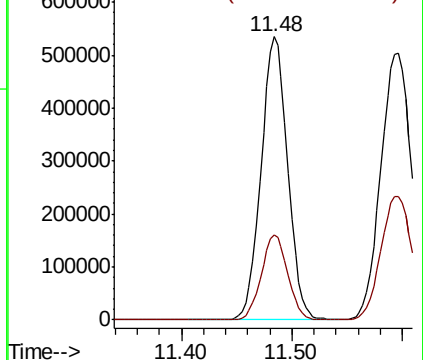
91 100

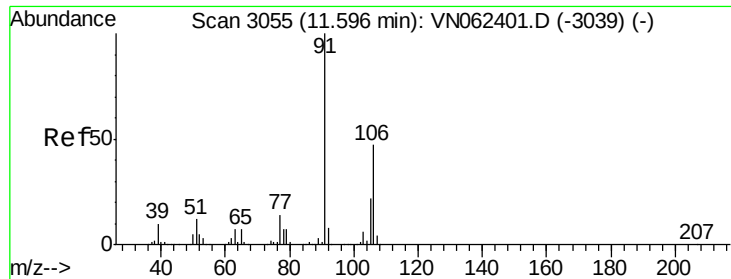
106 30.2 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

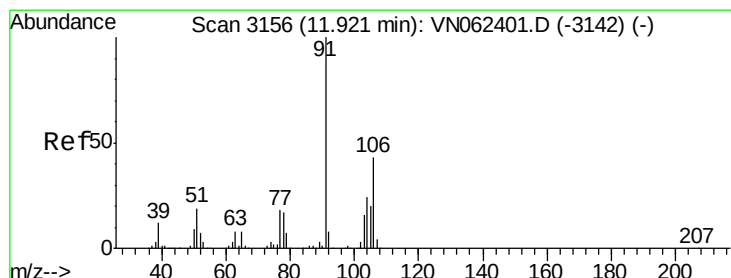
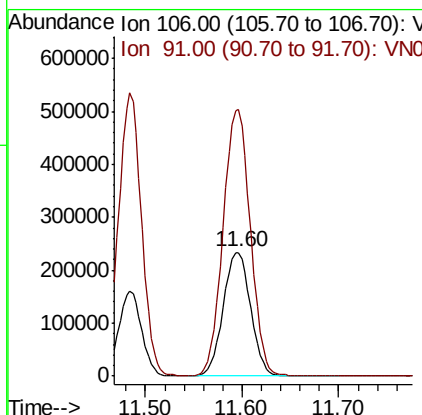
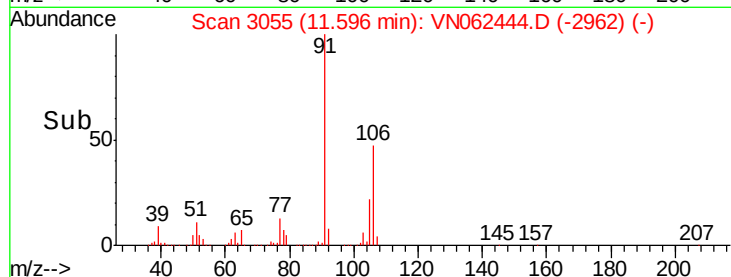
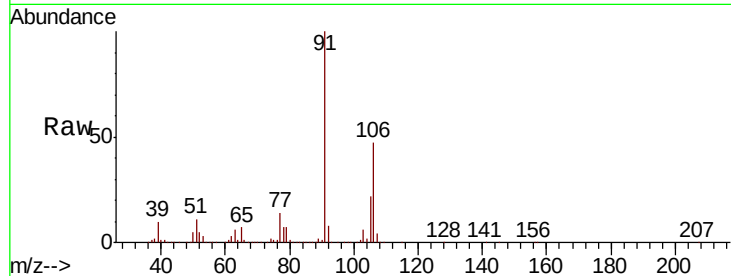




#68
m/p-Xylenes
Concen: 102.623 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

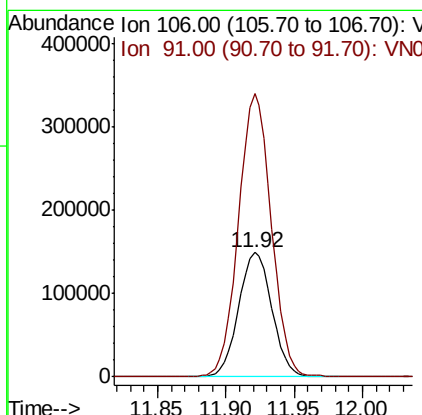
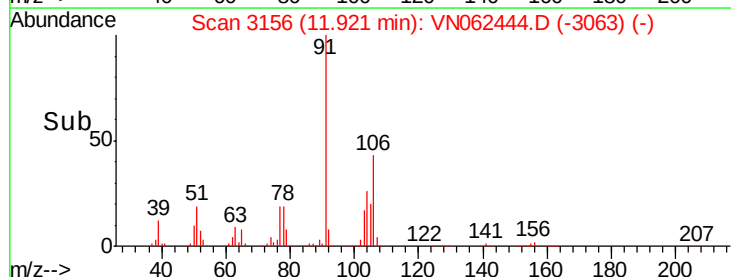
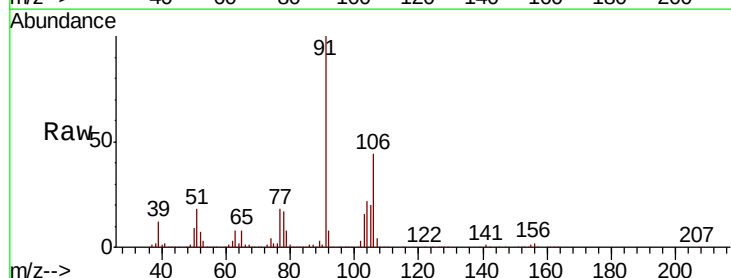
Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

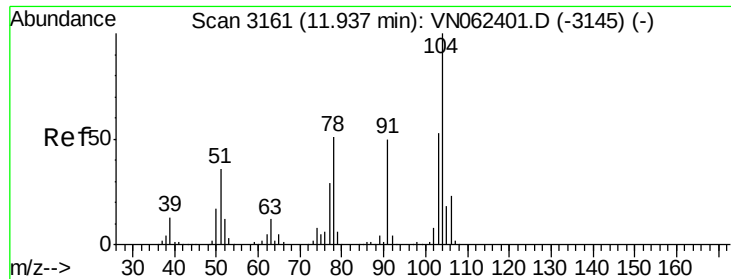
Tot Ion:106 Resp: 460336
Ion Ratio Lower Upper
106 100
91 213.3 172.4 258.6



#69
o-Xylene
Concen: 57.907 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion:106 Resp: 252907
Ion Ratio Lower Upper
106 100
91 223.4 113.8 341.4

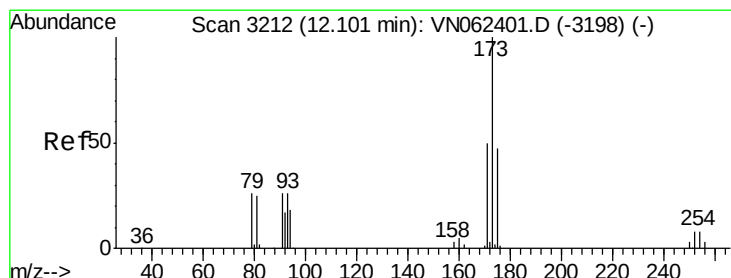
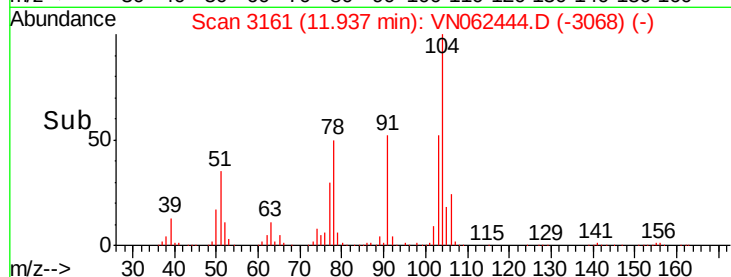
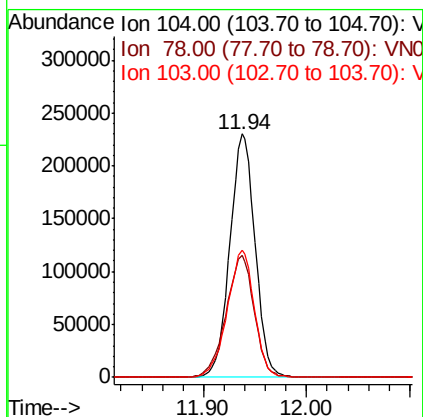
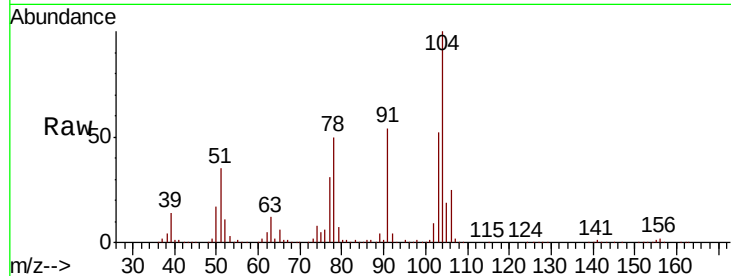




#70
Stvrene
Concen: 54.518 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

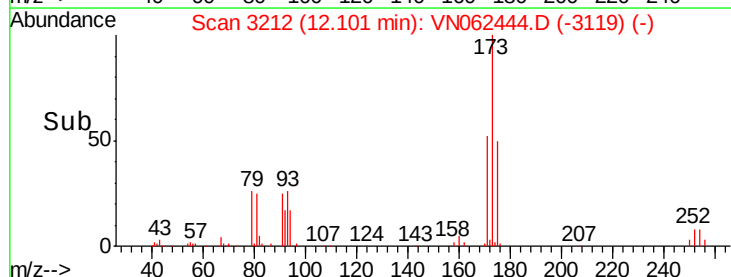
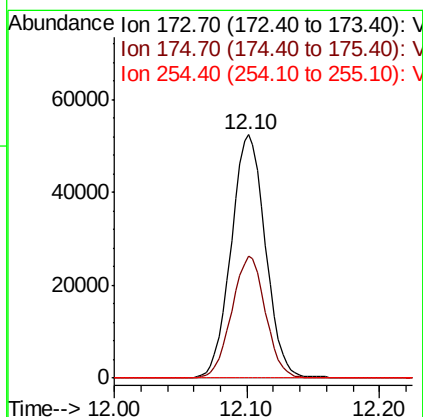
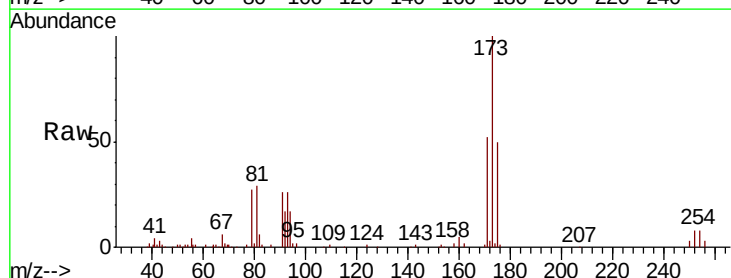
Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

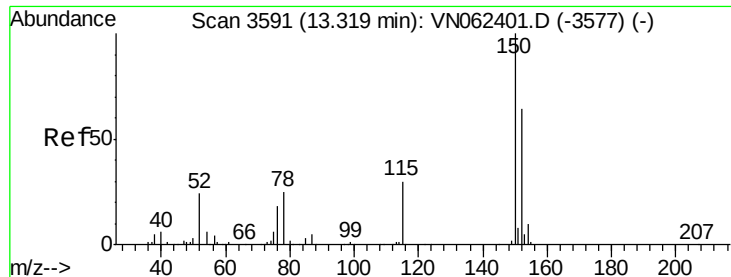
Tot Ion:104 Resp: 393521
Ion Ratio Lower Upper
104 100
78 55.3 44.2 66.4
103 55.6 44.4 66.6



#71
Bromoform
Concen: 51.681 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion:173 Resp: 94311
Ion Ratio Lower Upper
173 100
175 49.2 23.7 71.1
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

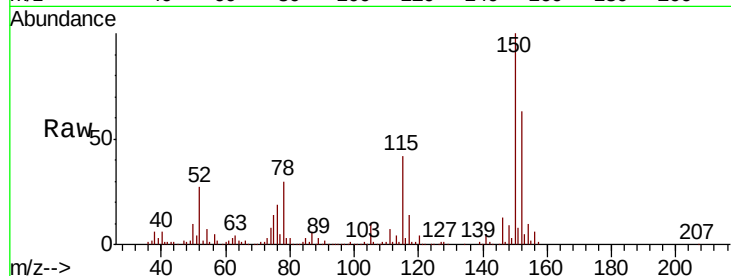
Tot Ion:152 Resp: 151896

Ion Ratio Lower Upper

152 100

115 57.4 31.4 94.2

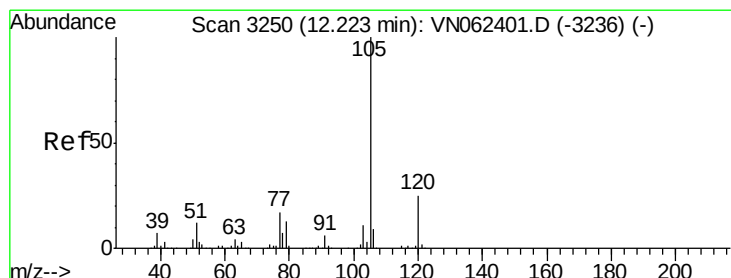
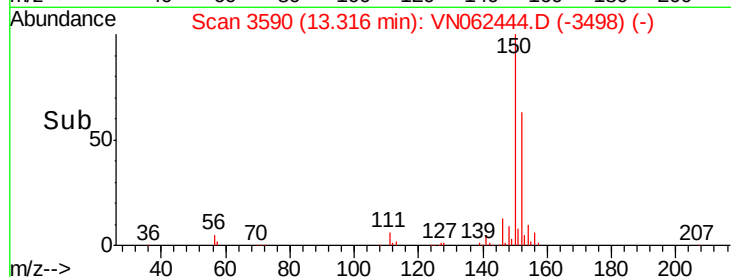
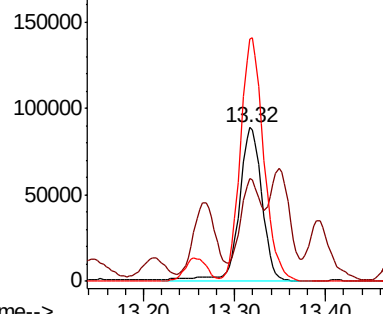
150 164.8 0.0 347.4



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: 152.963 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062444.D

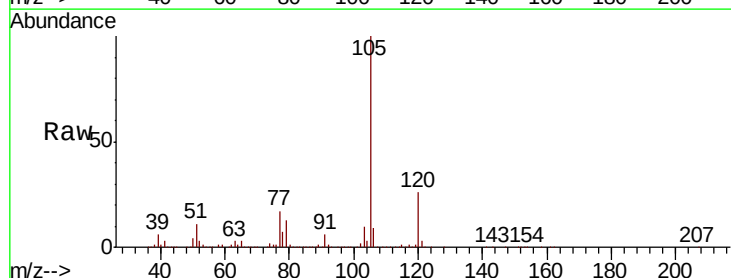
Acq: 9 Jul 2020 7:11

Tgt Ion:105 Resp: 1797937

Ion Ratio Lower Upper

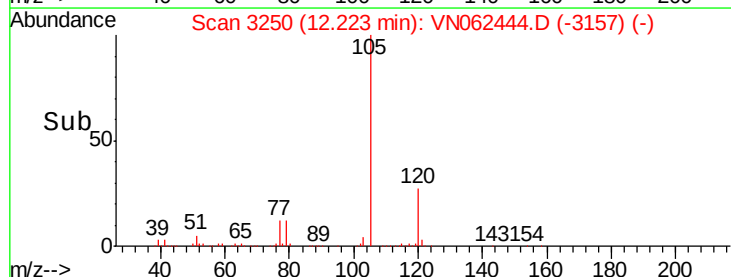
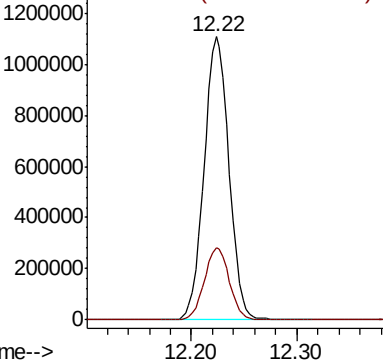
105 100

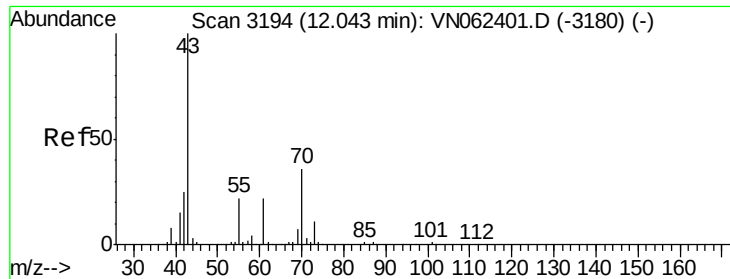
120 25.8 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.431 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 43 Resp: 259911

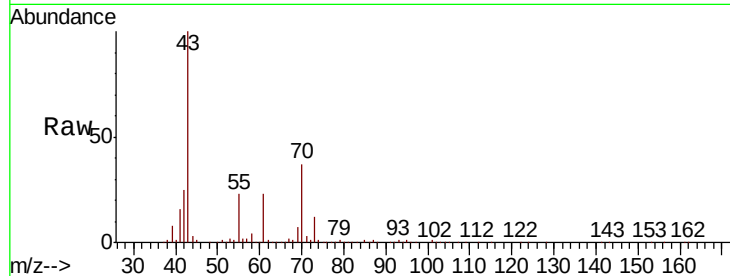
Ion Ratio Lower Upper

43 100

70 37.0 30.0 45.0

55 24.1 18.2 27.4

61 22.8 17.7 26.5

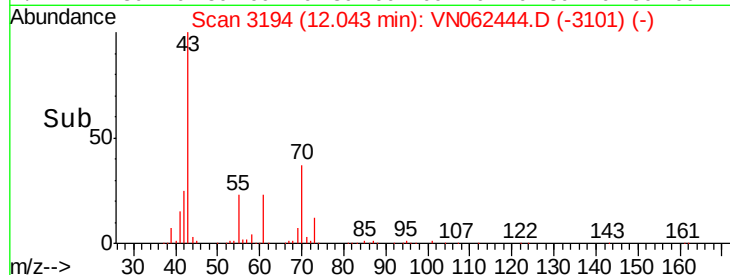


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

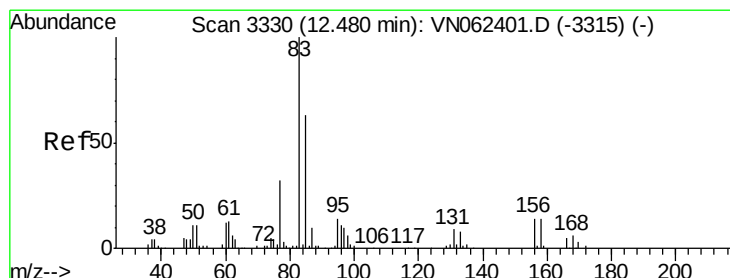
Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->

12.04



#75

1,1,2,2-Tetrachloroethane

Concen: 50.521 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

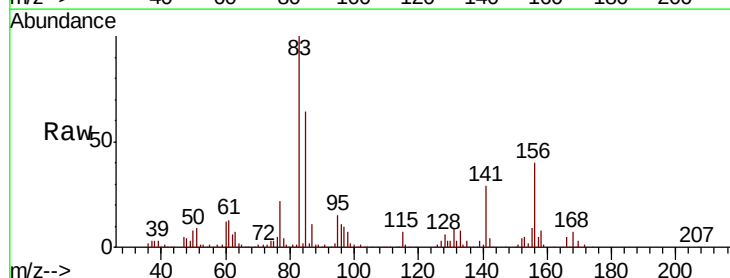
Tgt Ion: 83 Resp: 199664

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.5

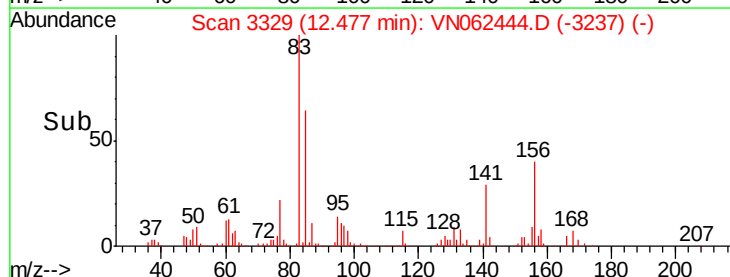
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

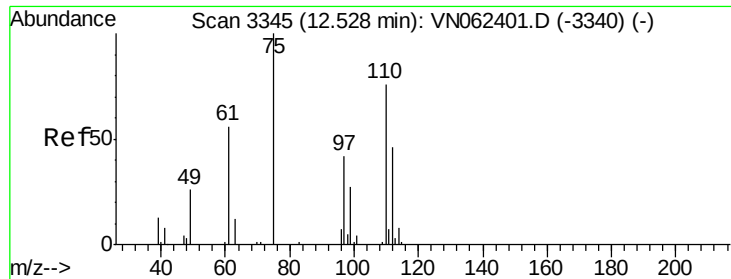
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



Time-->

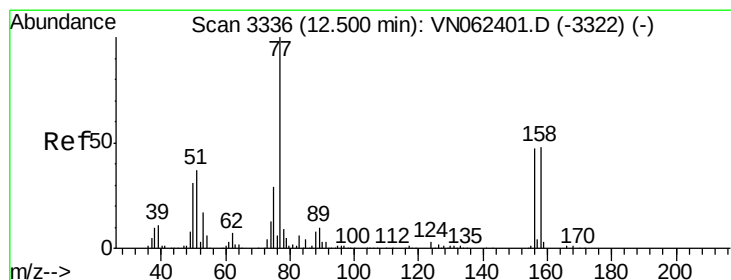
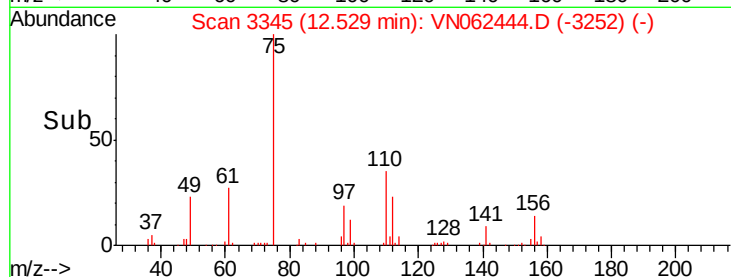
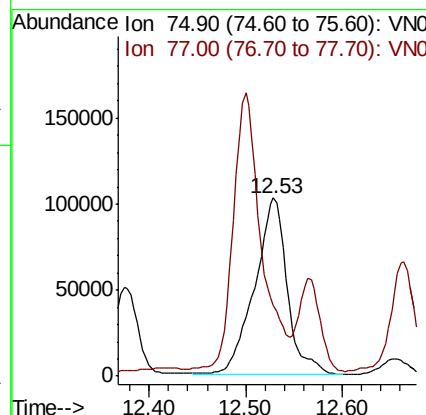
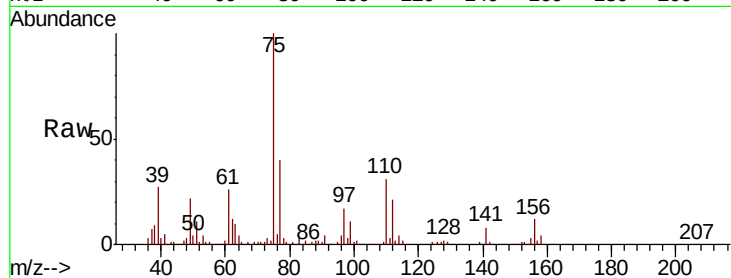
12.48



#76
 1,2,3-Trichloropropane
 Concen: 65.305 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

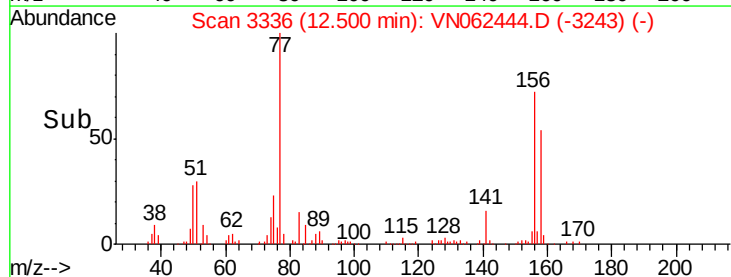
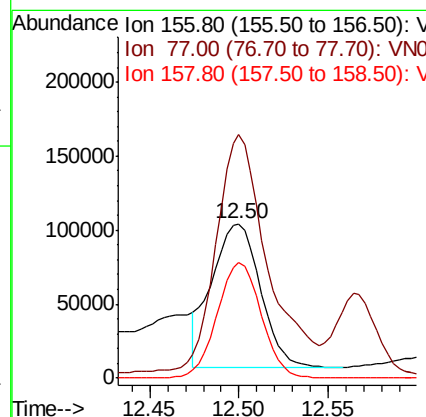
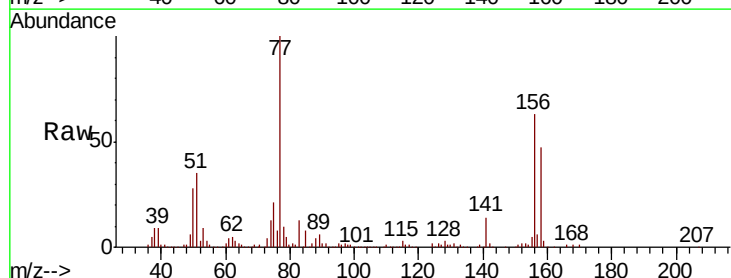
Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

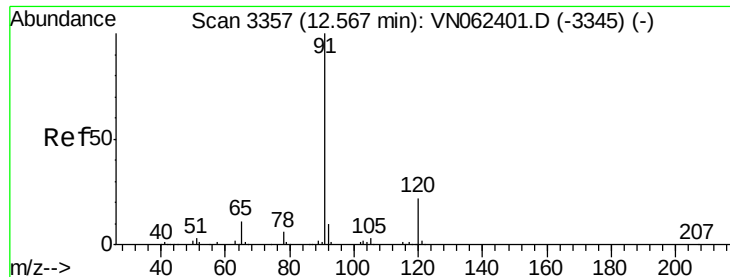
Tot Ion: 75 Resp: 243393
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 68.877 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 156 Resp: 184052
 Ion Ratio Lower Upper
 156 100
 77 170.3 126.4 379.3
 158 72.2 49.8 149.4





#78

n-propylbenzene

Concen: 154.640 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

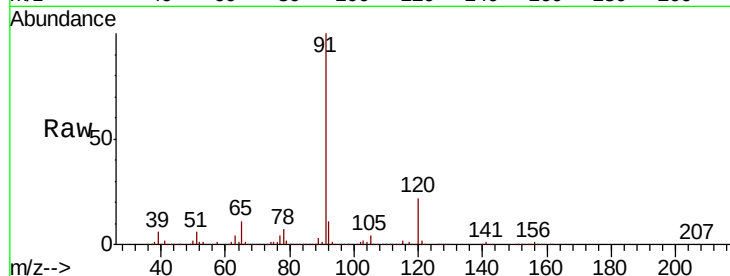
MW-14MSD

Tot Ion: 91 Resp: 2123203

Ion Ratio Lower Upper

91 100

120 21.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3345) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3345) (-)

12.57

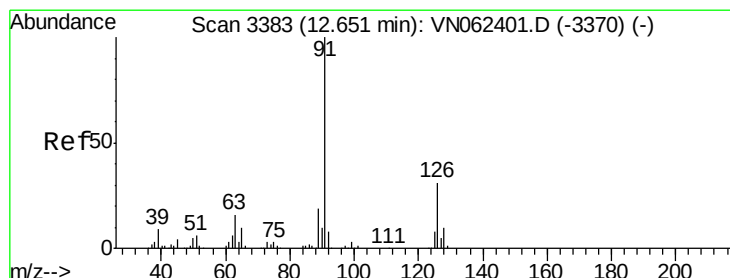
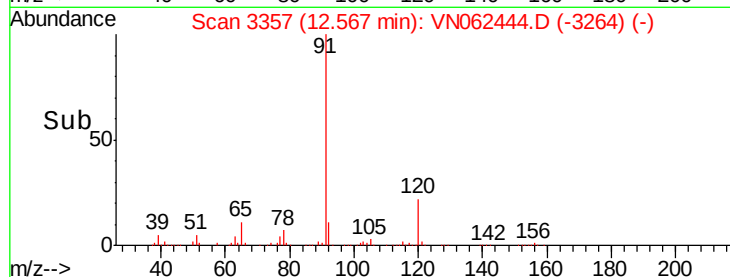
1500000

1000000

500000

0

Time-->



#79

2-Chlorotoluene

Concen: 59.873 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062444.D

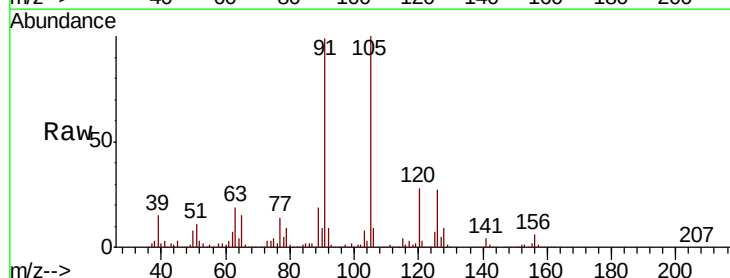
Acq: 9 Jul 2020 7:11

Tgt Ion: 91 Resp: 498926

Ion Ratio Lower Upper

91 100

126 25.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3370) (-)

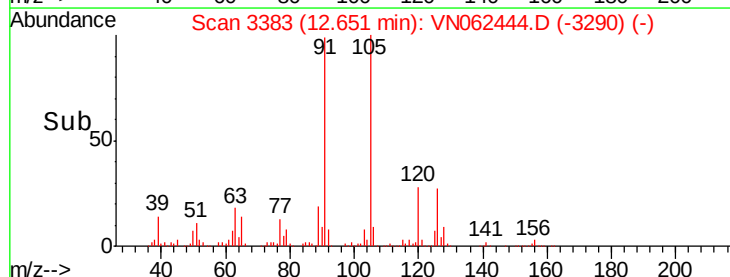
12.65

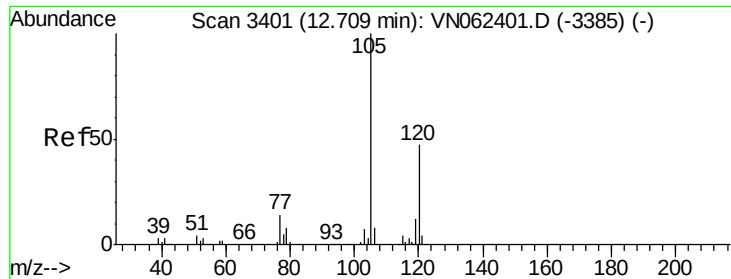
1000000

500000

0

Time-->

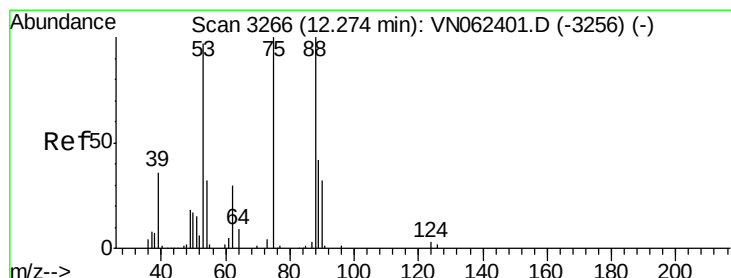
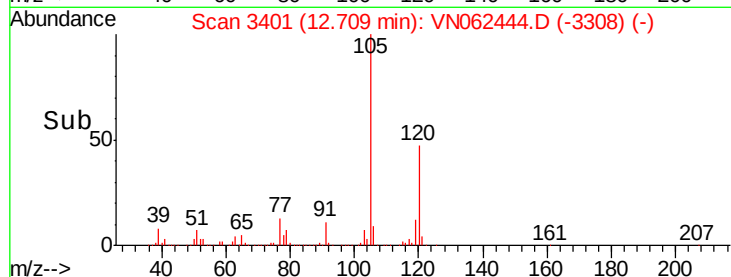
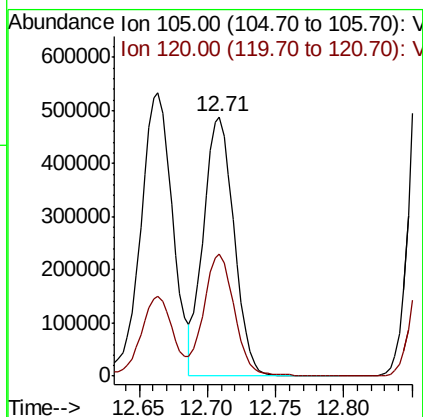
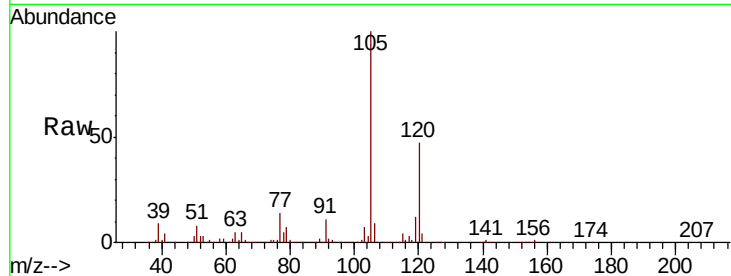




#80
 1,3,5-Trimethylbenzene
 Concen: 78.566 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

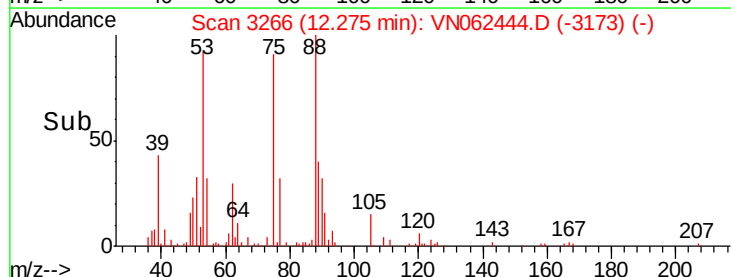
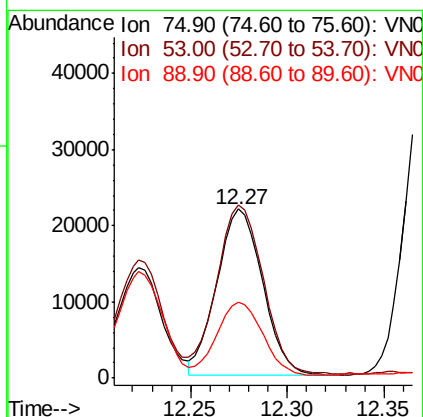
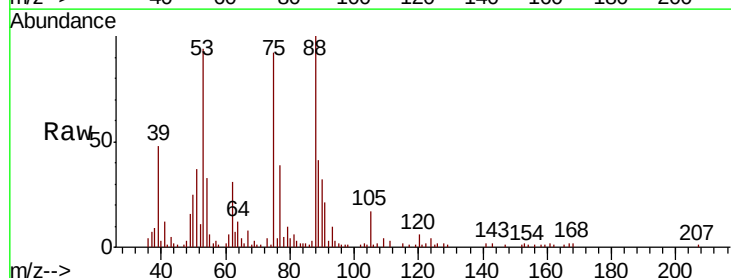
Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

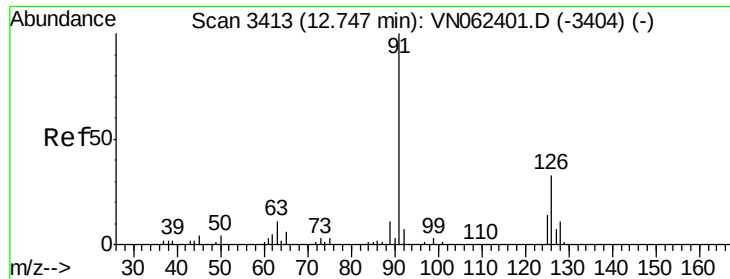
Tot Ion:105 Resp: 757042
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 25.733 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 75 Resp: 35832
 Ion Ratio Lower Upper
 75 100
 53 102.6 79.2 118.8
 89 44.8 34.6 52.0





#82

4-Chlorotoluene

Concen: 49.716 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

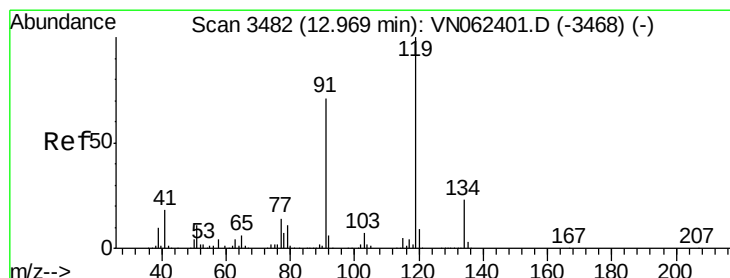
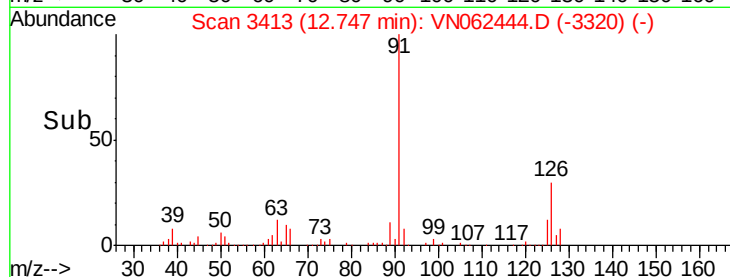
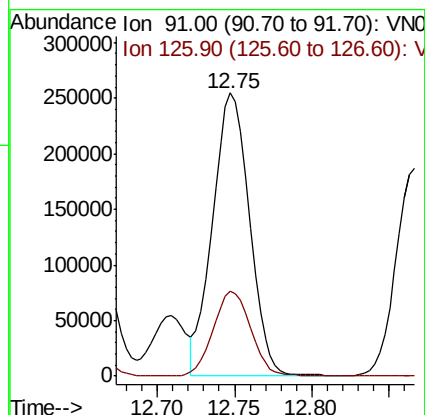
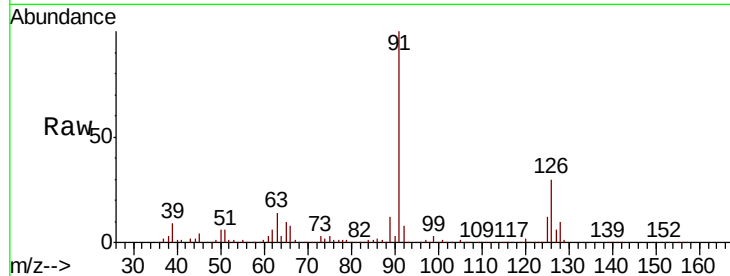
MW-14MSD

Tot Ion: 91 Resp: 420593

Ion Ratio Lower Upper

91 100

126 31.0 15.2 45.6



#83

tert-Butylbenzene

Concen: 40.975 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

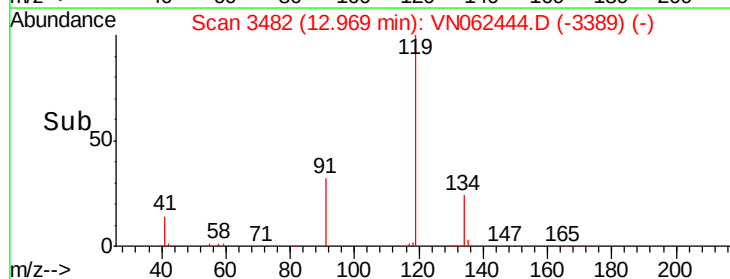
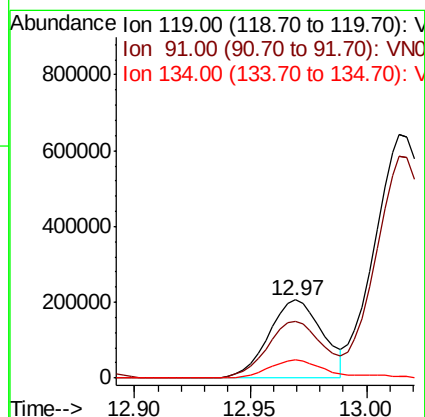
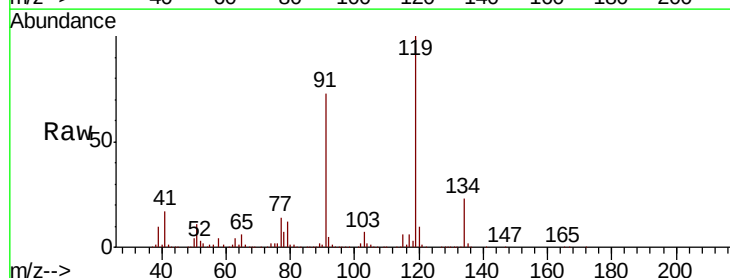
Tgt Ion: 119 Resp: 335059

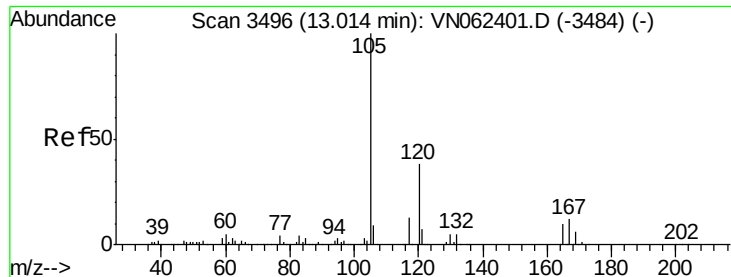
Ion Ratio Lower Upper

119 100

91 74.1 34.8 104.3

134 23.5 11.7 35.0

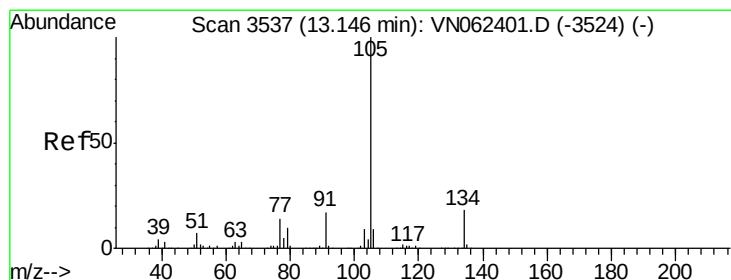
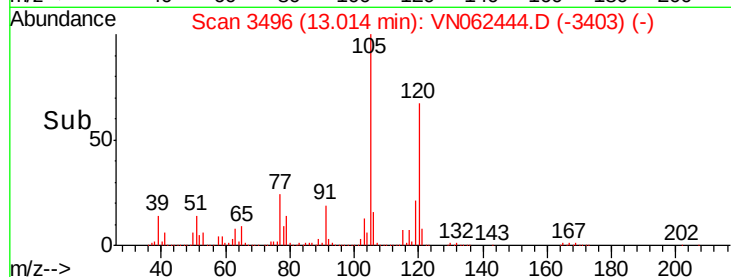
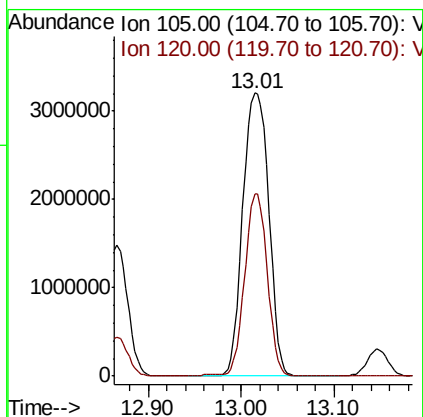
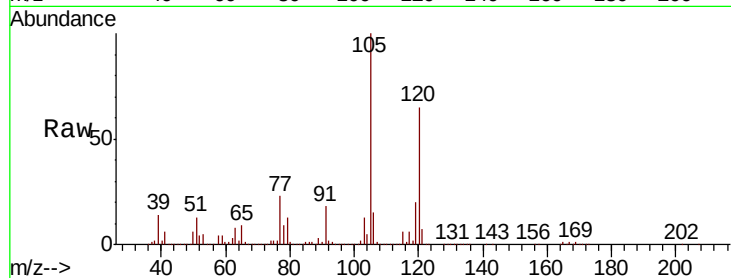




#84
1,2,4-Trimethylbenzene
Concen: 650.195 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

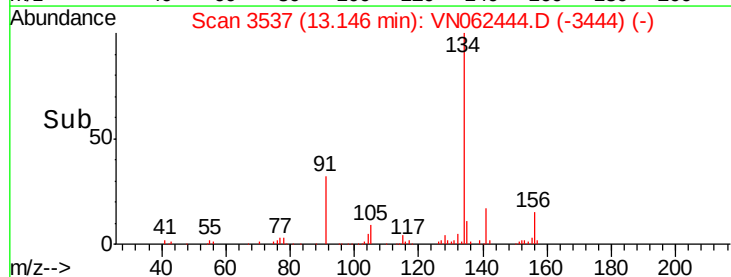
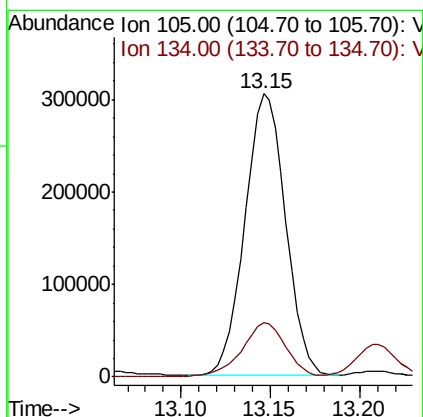
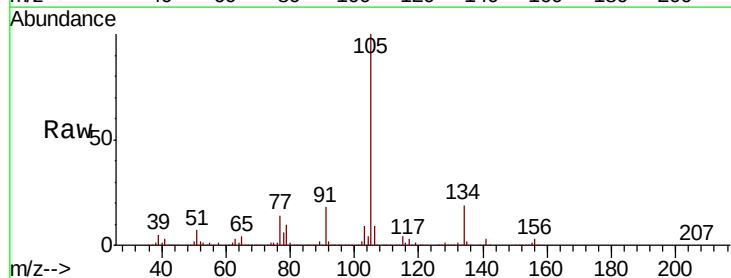
Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

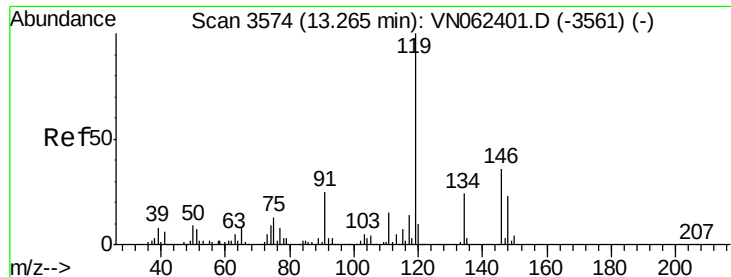
Tot Ion:105 Resp: 6227364
Ion Ratio Lower Upper
105 100
120 55.9 21.6 64.8



#85
sec-Butylbenzene
Concen: 44.750 ug/l
RT: 13.15 min Scan# 3537
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion:105 Resp: 484894
Ion Ratio Lower Upper
105 100
134 20.8 9.3 28.0

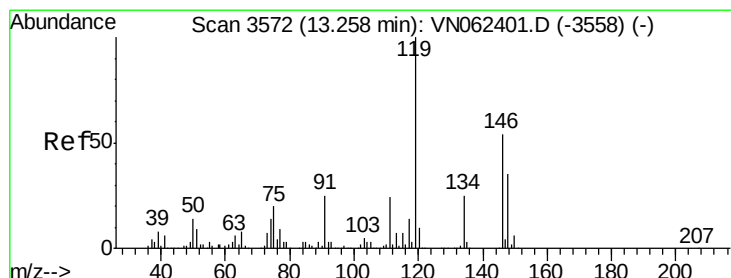
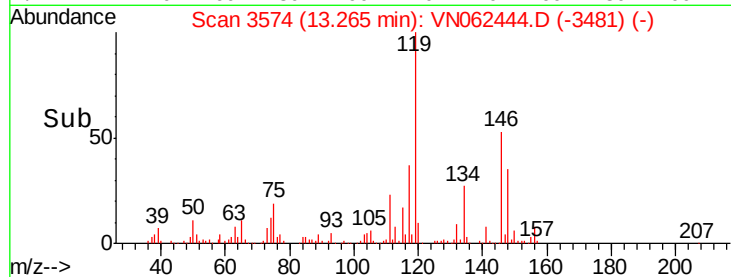
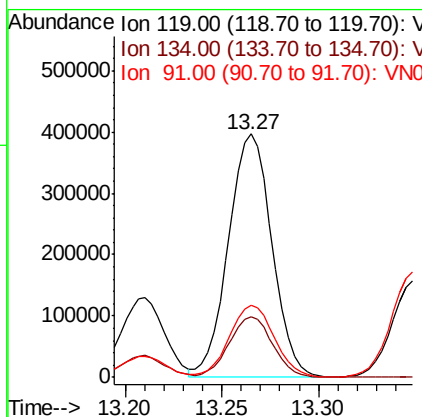
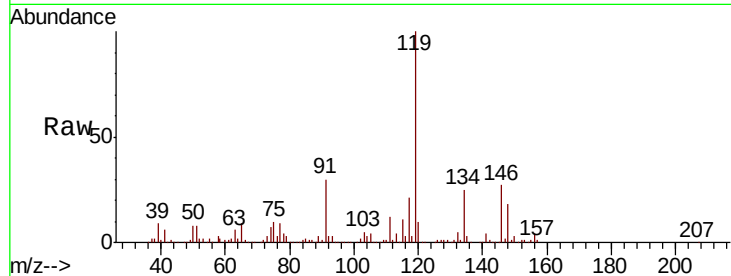




#86
 p-Isopropyltoluene
 Concen: 66.052 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

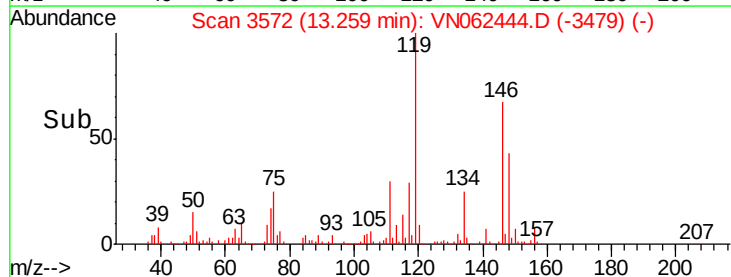
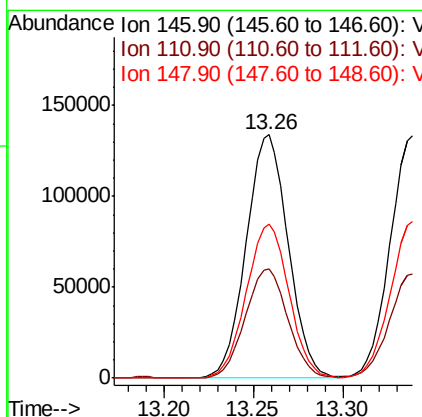
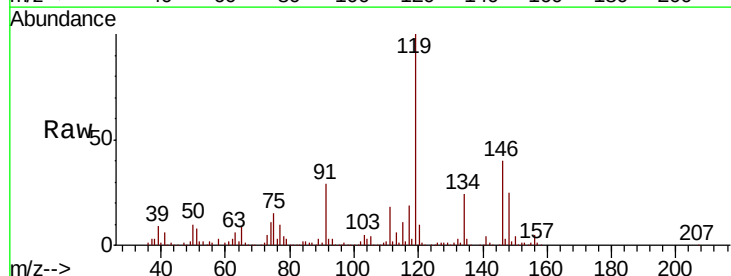
Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

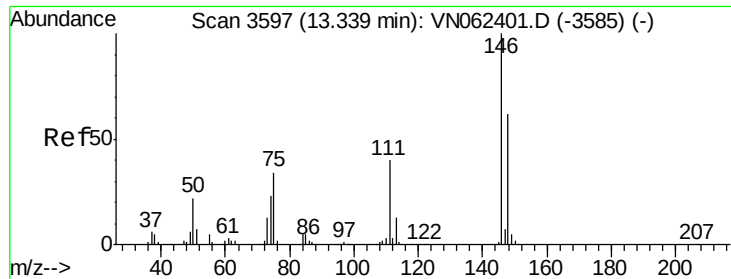
Tot Ion:119 Resp: 617720
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.4 37.0
 91 30.3 12.4 37.4



#87
 1,3-Dichlorobenzene
 Concen: 48.011 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion:146 Resp: 221324
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.6 64.6
 148 64.1 32.2 96.6

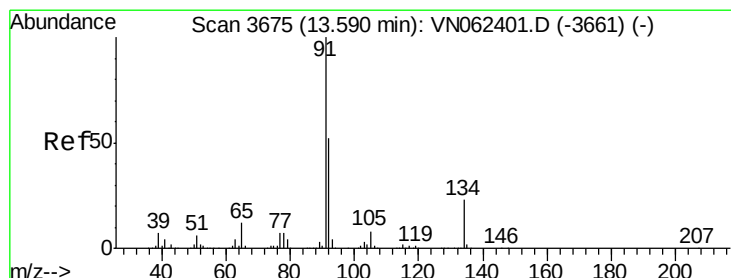
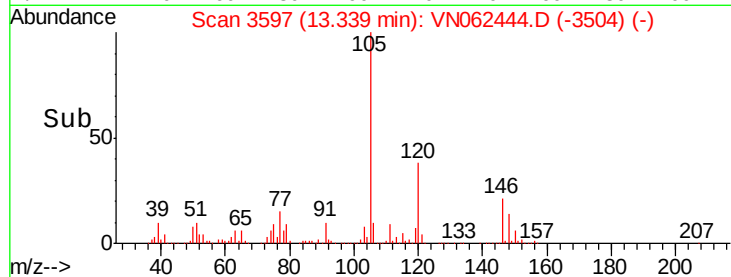
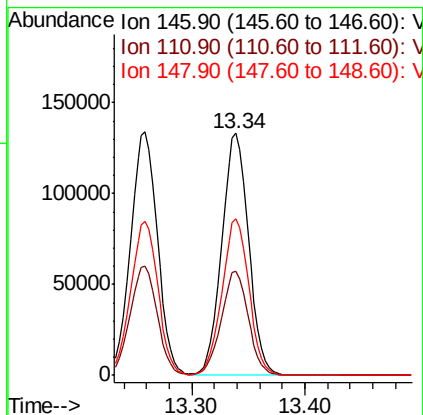
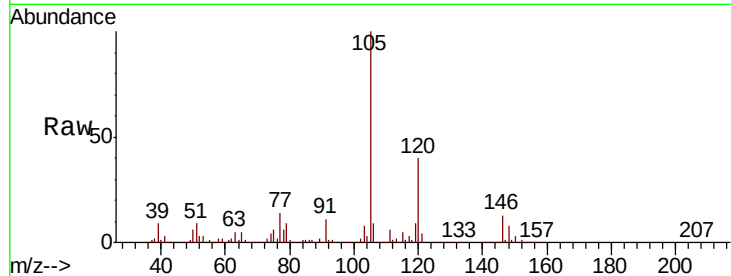




#88
 1,4-Dichlorobenzene
 Concen: 46.496 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

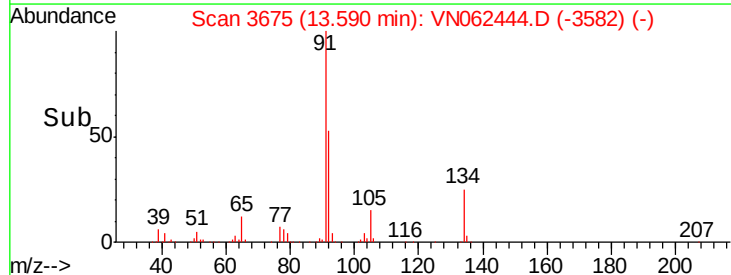
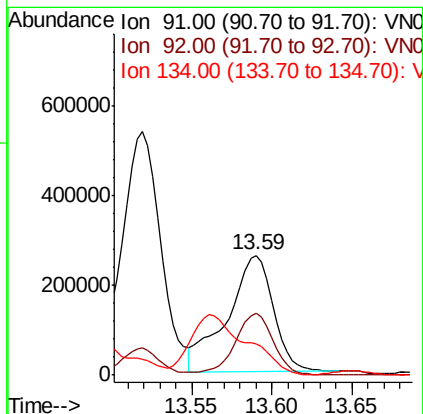
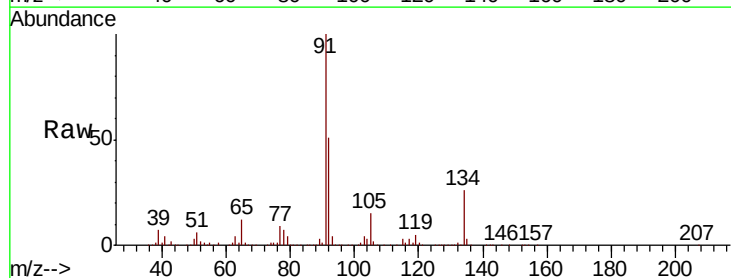
Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

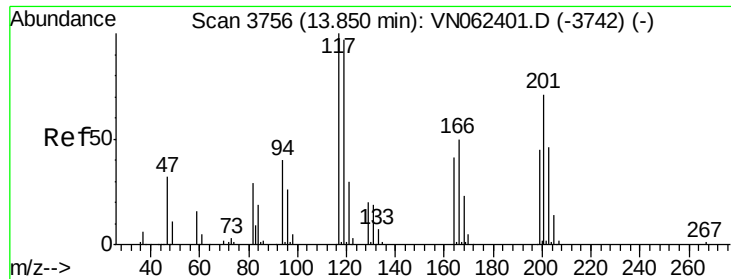
Tot Ion:146 Resp: 220545
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.1 63.1
 148 64.6 31.4 94.2



#89
 n-Butylbenzene
 Concen: 62.204 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 91 Resp: 513656
 Ion Ratio Lower Upper
 91 100
 92 44.0 25.9 77.7
 134 0.0 11.6 34.8#





#90

Hexachloroethane

Concen: 113.400 ug/l

RT: 13.86 min Scan# 3758

Delta R.T. 0.01 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

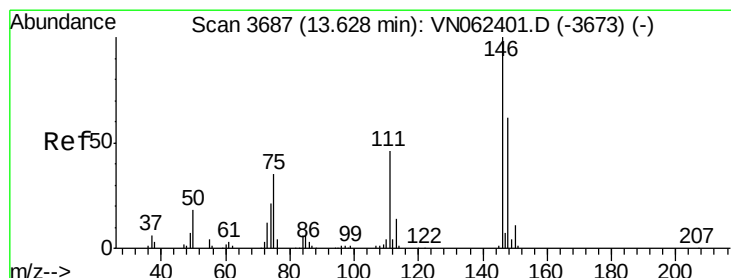
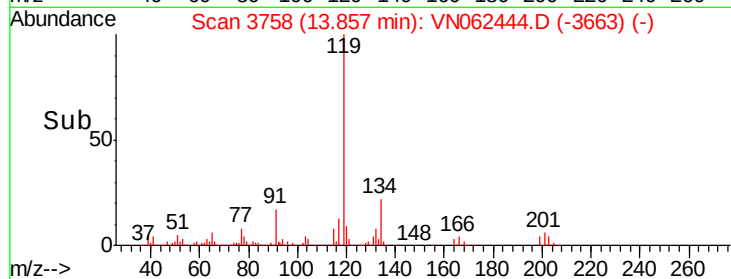
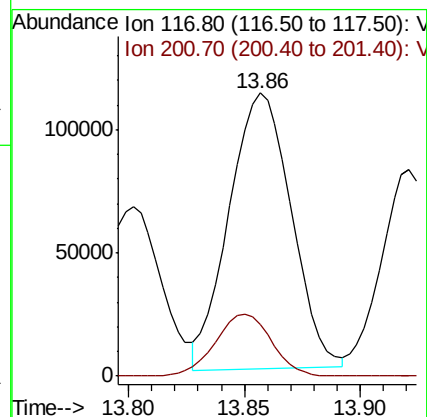
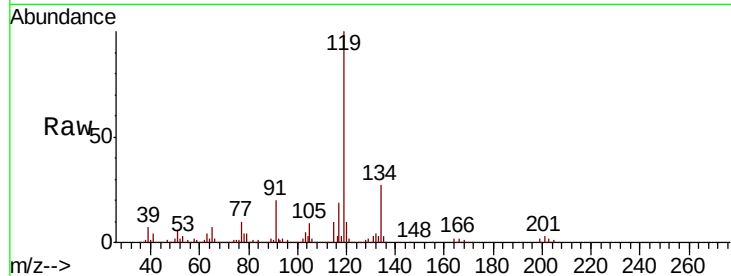
MW-14MSD

Tot Ion:117 Resp: 208617

Ion Ratio Lower Upper

117 100

201 20.5 35.4 106.2#



#91

1,2-Dichlorobenzene

Concen: 48.682 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

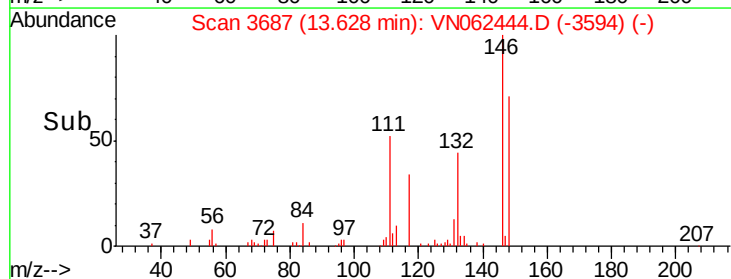
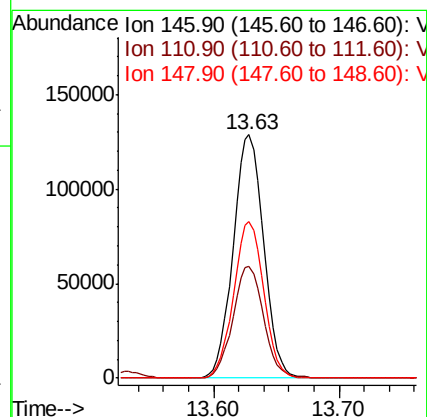
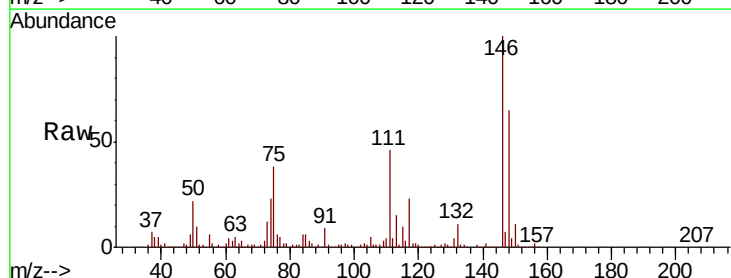
Tgt Ion:146 Resp: 216984

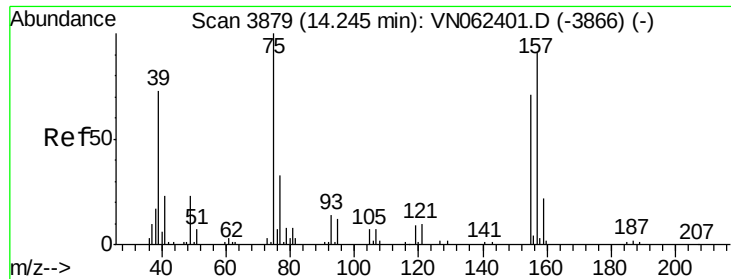
Ion Ratio Lower Upper

146 100

111 46.4 22.5 67.5

148 63.5 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 68.777 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

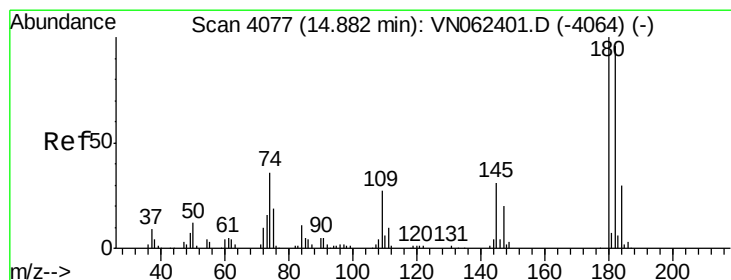
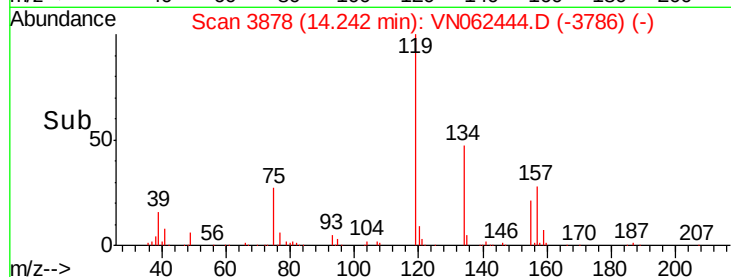
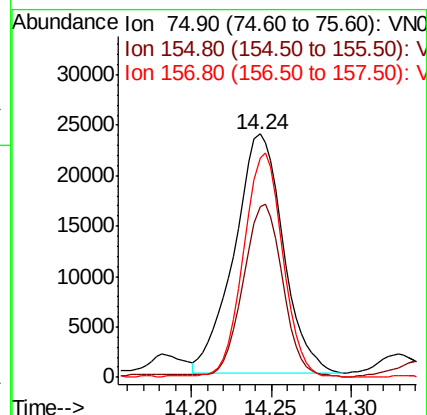
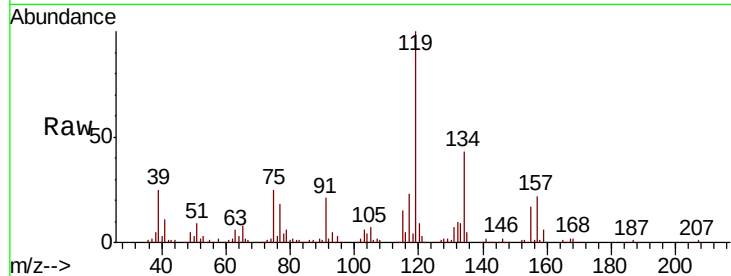
Tot Ion: 75 Resp: 49604

Ion Ratio Lower Upper

75 100

155 58.6 35.2 105.6

157 75.6 45.8 137.3



#93

1,2,4-Trichlorobenzene

Concen: 49.861 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

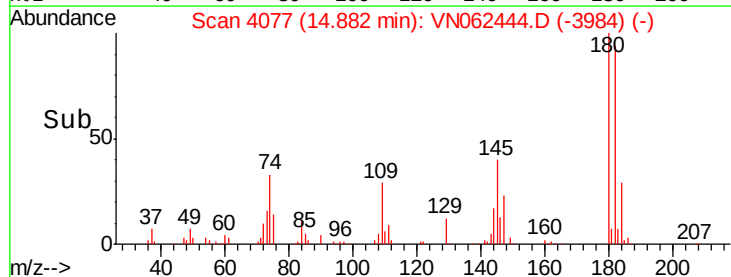
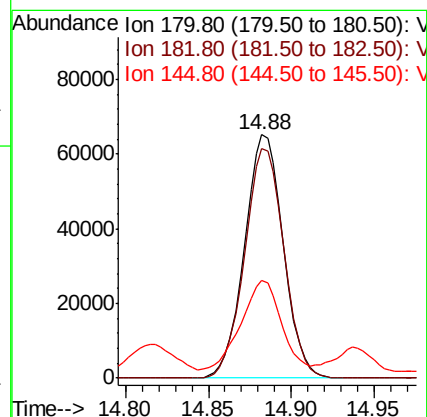
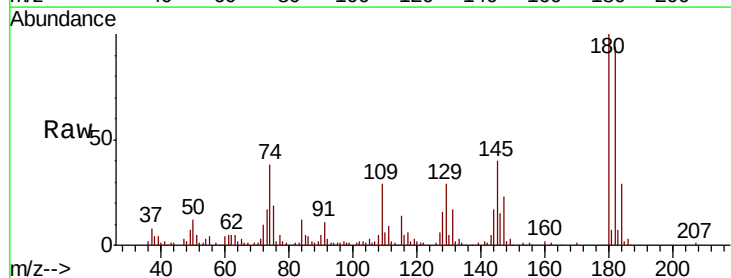
Tgt Ion: 180 Resp: 105513

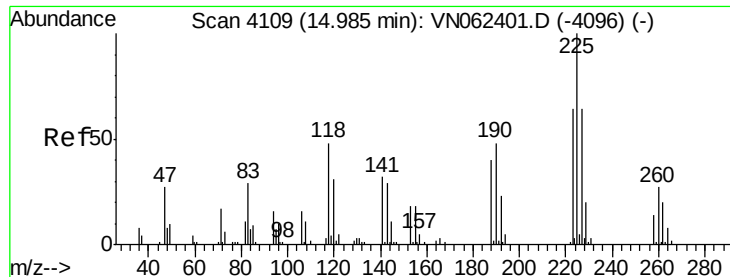
Ion Ratio Lower Upper

180 100

182 96.2 48.4 145.2

145 41.3 15.5 46.5





#94

Hexachlorobutadiene

Concen: 22.086 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

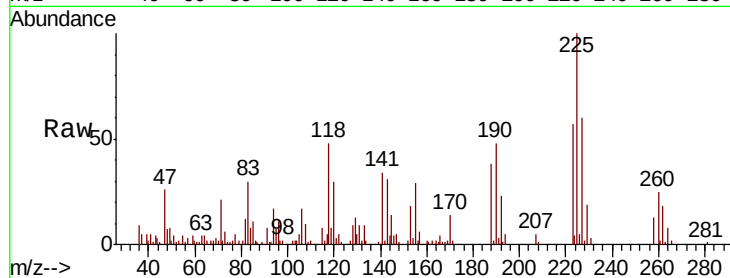
Tot Ion:225 Resp: 26137

Ion Ratio Lower Upper

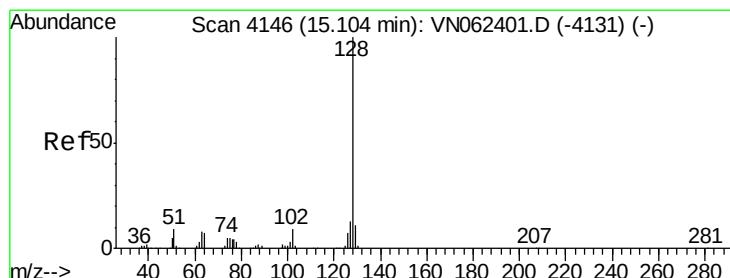
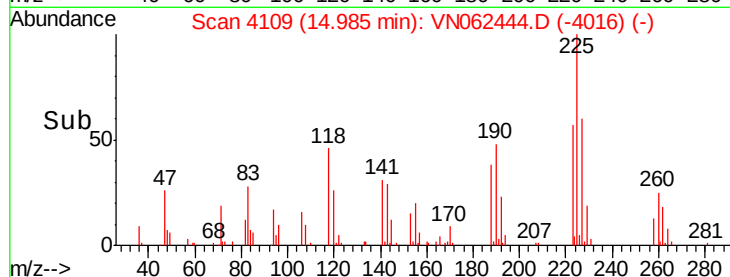
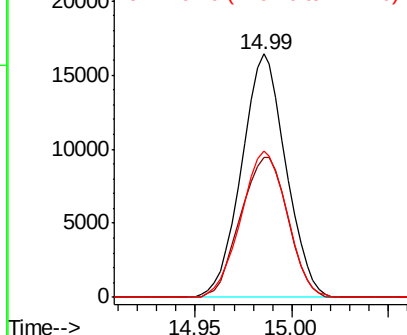
225 100

223 61.4 32.3 96.8

227 62.4 31.9 95.7



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: 698.349 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

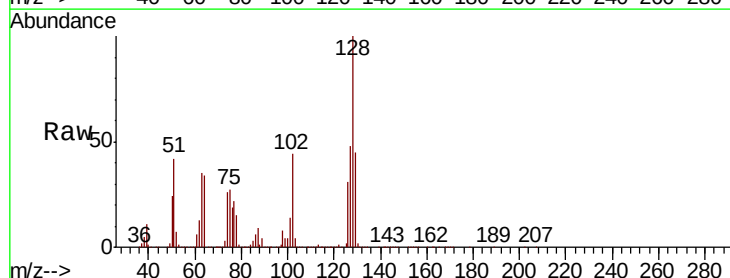
Tgt Ion:128 Resp:12151362

Ion Ratio Lower Upper

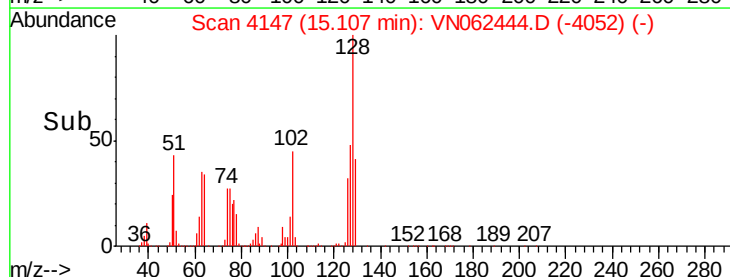
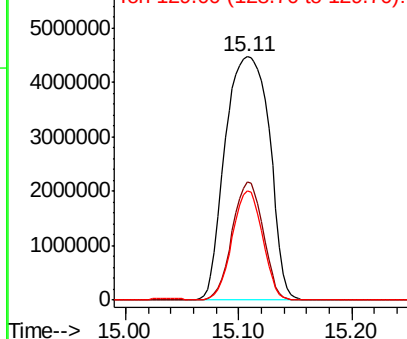
128 100

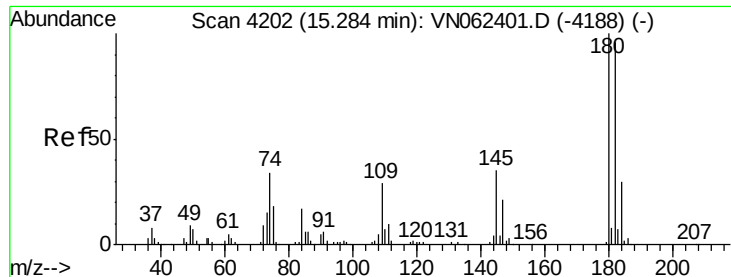
127 34.0 10.2 15.2#

129 30.9 8.6 12.8#



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: 44.624 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	40.9	17.0	50.9

