

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102220\
 Data File : VN064272.D
 Acq On : 23 Oct 2020 00:00
 Operator : JC/MD
 Sample : L4221-10
 Misc : 7.43g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-102020ME

Quant Time: Oct 23 02:06:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	228362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	399967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	400329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194893	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	177144	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.55	113	134371	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.06	98	501193	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.38	95	228307	58.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.76%	

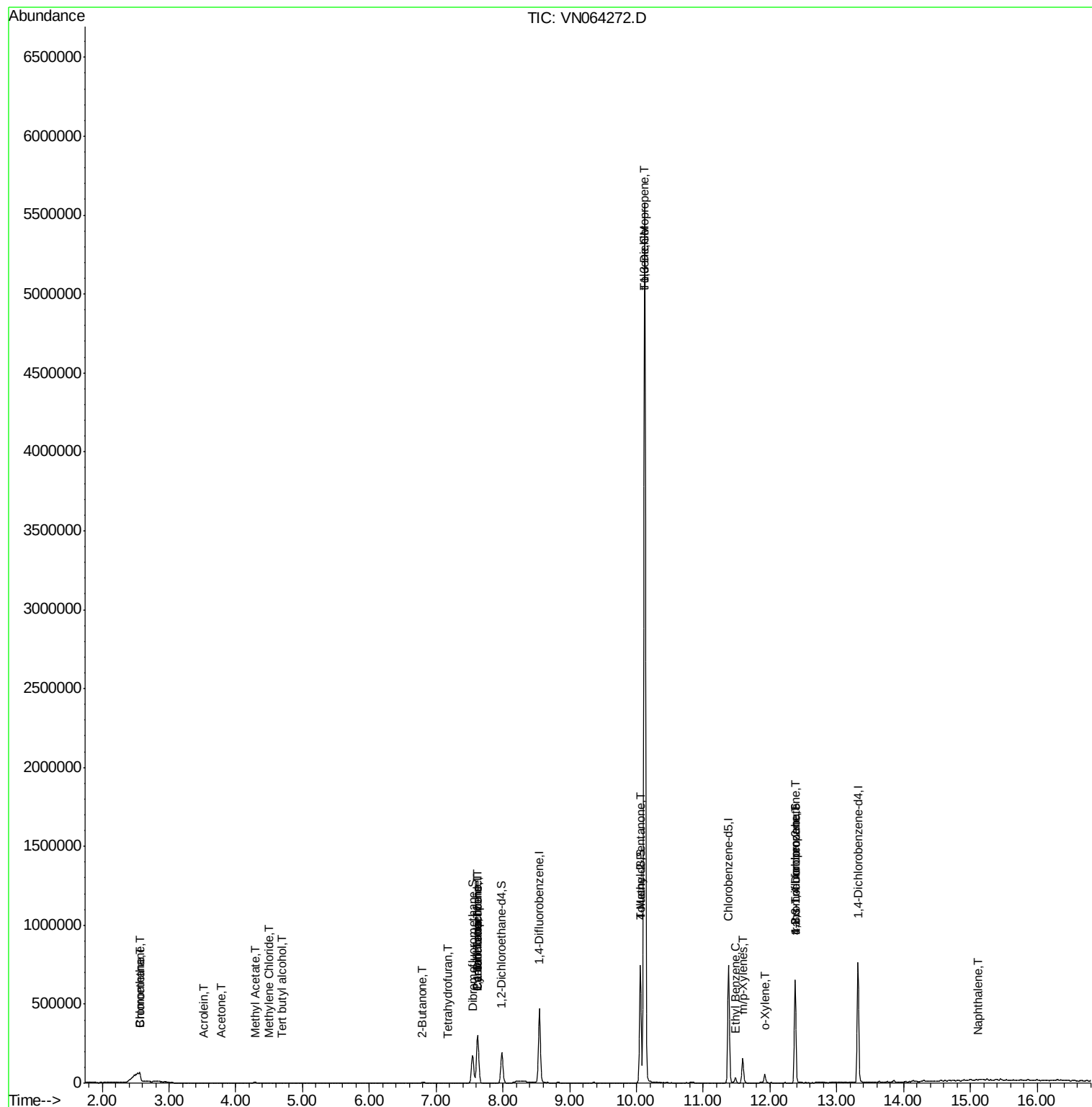
Target Compounds						Qvalue
5) Bromomethane	2.57	94	727	0.426	ug/l #	39
6) Chloroethane	2.57	64	585	0.367	ug/l #	44
11) Tert butyl alcohol	4.69	59	575	1.267	ug/l #	70
13) Acrolein	3.53	56	68	0.239	ug/l #	15
16) Acetone	3.77	43	543	0.560	ug/l #	49
18) Methyl Acetate	4.28	43	8249	3.336	ug/l #	71
20) Methylene Chloride	4.51	84	525	0.203	ug/l #	45
25) 2-Butanone	6.78	43	360	0.234	ug/l #	51
29) Tetrahydrofuran	7.17	42	189	0.205	ug/l #	38
31) Cyclohexane	7.62	56	6445	1.603	ug/l #	53
36) 1,1-Dichloropropene	7.62	75	20771	5.209	ug/l #	47
38) Carbon Tetrachloride	7.62	117	25511	5.623	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	2618	0.726	ug/l #	1
52) Toluene	10.12	92	2437030	346.019	ug/l	98
53) t-1,3-Dichloropropene	10.12	75	33671	6.953	ug/l #	1
67) Ethyl Benzene	11.48	91	20490	1.345	ug/l	95
68) m/p-Xylenes	11.59	106	47251	8.374	ug/l	99
69) o-Xylene	11.92	106	14638	2.682	ug/l	96
76) 1,2,3-Trichloropropane	12.38	75	124451	30.290	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	124451	76.473	ug/l #	9
95) Naphthalene	15.11	128	3664	0.356	ug/l #	82

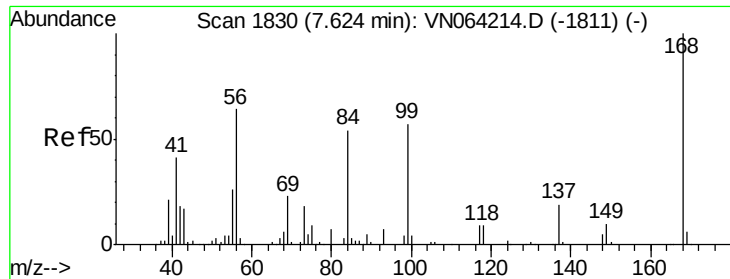
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

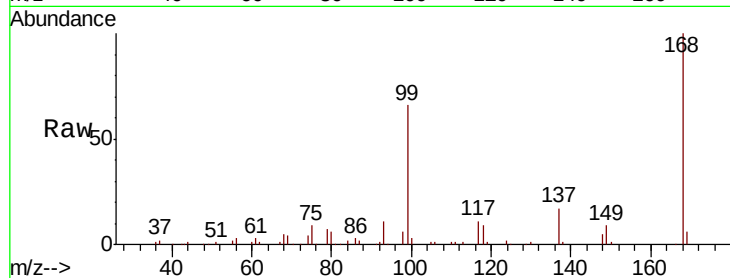
OK-03-102020ME

Tot Ion:168 Resp: 228362

Ion Ratio Lower Upper

168 100

99 65.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

100000

80000

60000

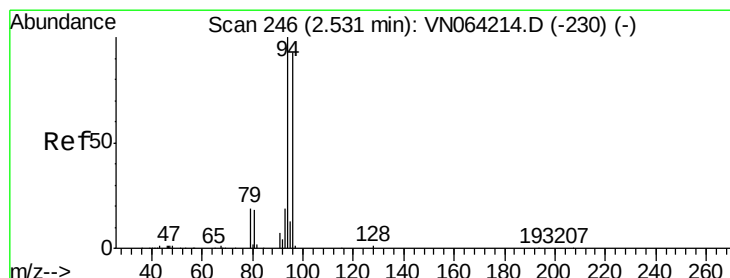
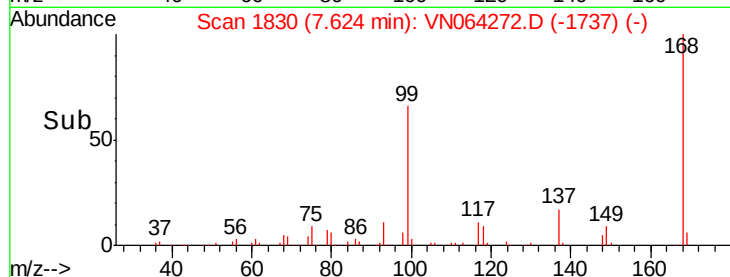
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#5

Bromomethane

Concen: 0.426 ug/l

RT: 2.57 min Scan# 257

Delta R.T. 0.04 min

Lab File: VN064272.D

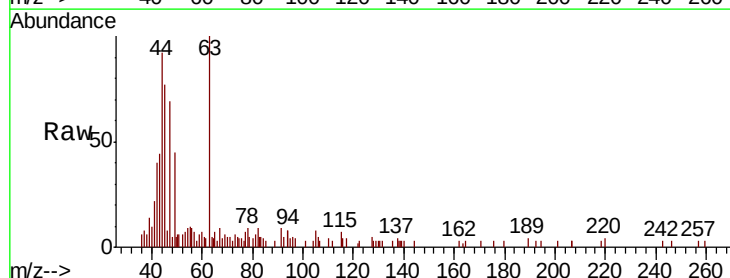
Acq: 23 Oct 2020 00:00

Tgt Ion: 94 Resp: 727

Ion Ratio Lower Upper

94 100

96 34.6 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

1000

800

600

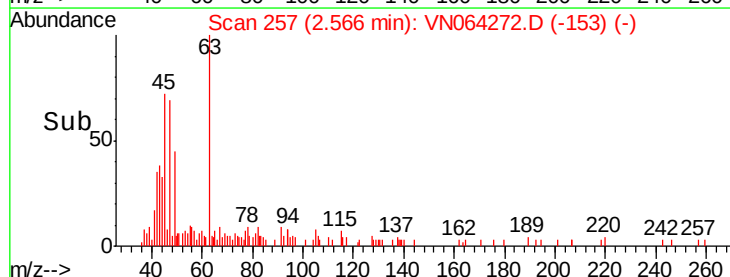
400

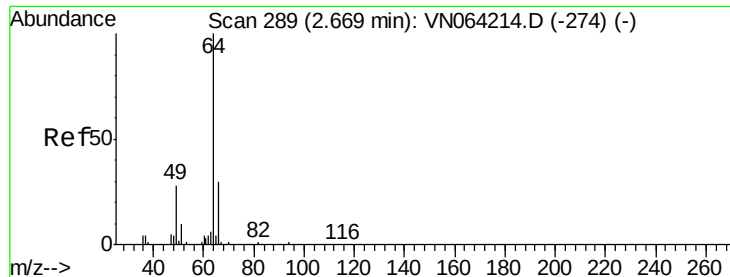
200

0

Time-->

2.54 2.56 2.58





#6

Chloroethane

Concen: 0.367 ug/l

RT: 2.57 min Scan# 258

Delta R.T. -0.10 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

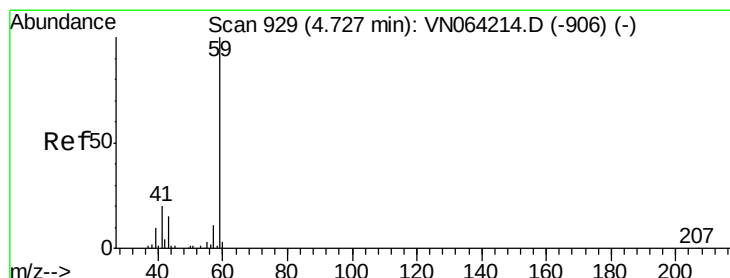
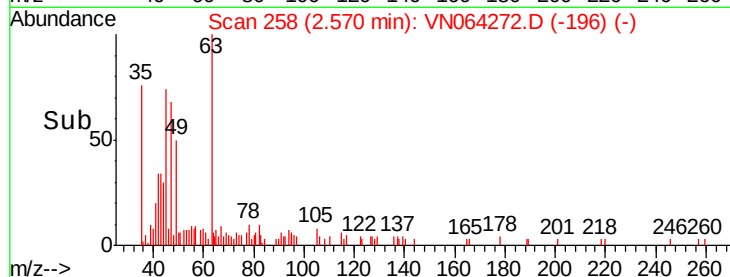
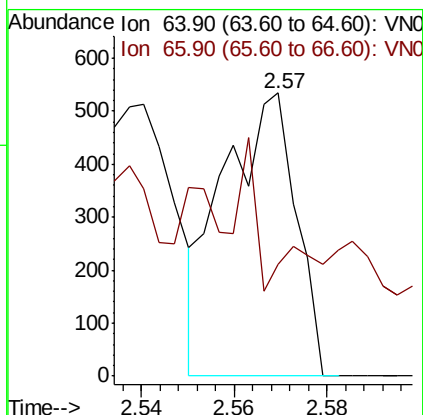
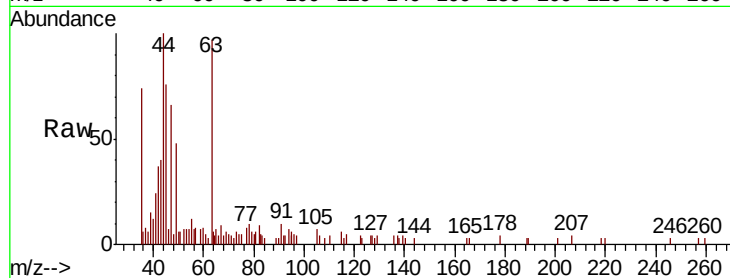
OK-03-102020ME

Tot Ion: 64 Resp: 585

Ion Ratio Lower Upper

64 100

66 0.0 24.5 36.7#



#11

Tert butyl alcohol

Concen: 1.267 ug/l

RT: 4.69 min Scan# 916

Delta R.T. -0.04 min

Lab File: VN064272.D

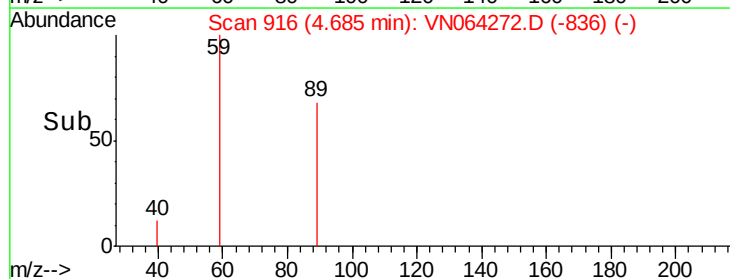
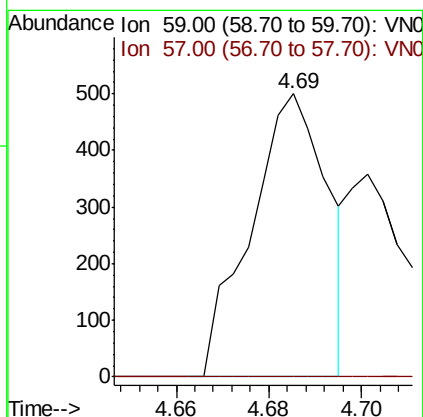
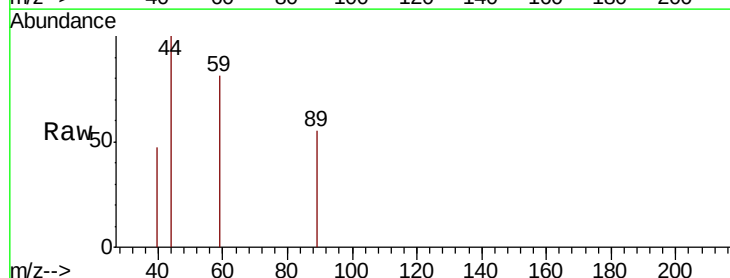
Acq: 23 Oct 2020 00:00

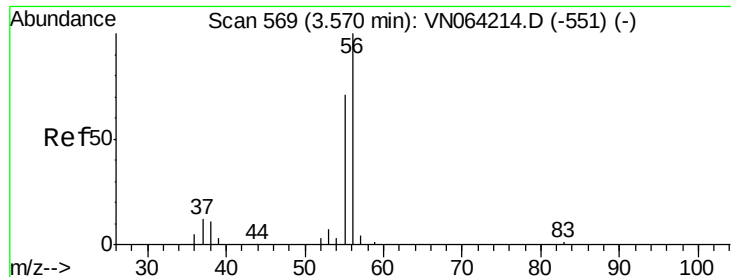
Tgt Ion: 59 Resp: 575

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#





#13

Acrolein

Concen: 0.239 ug/l

RT: 3.53 min Scan# 556

Delta R.T. -0.04 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

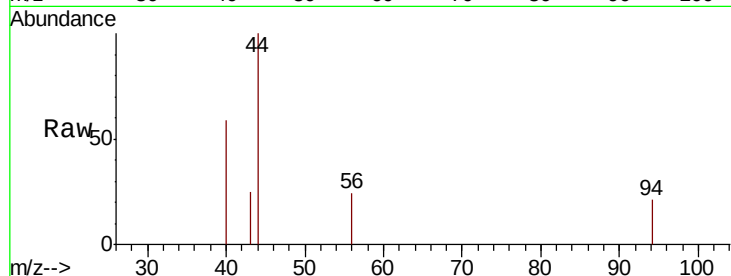
OK-03-102020ME

Tot Ion: 56 Resp: 68

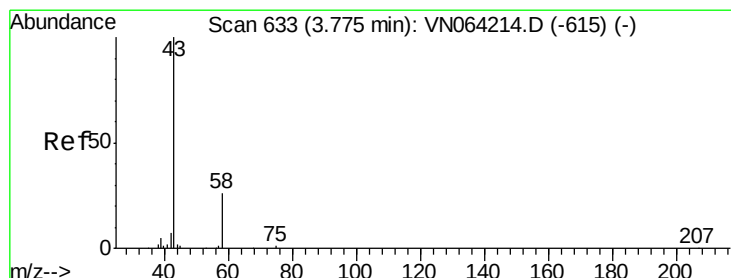
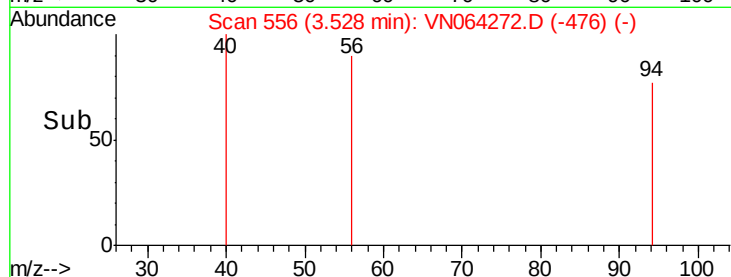
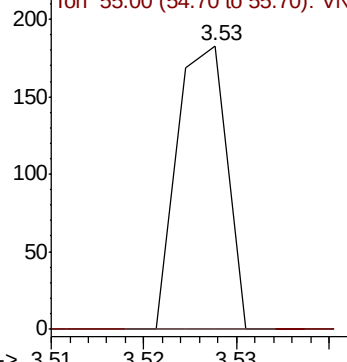
Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VN064272.D (-556) (-)



#16

Acetone

Concen: 0.560 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064272.D

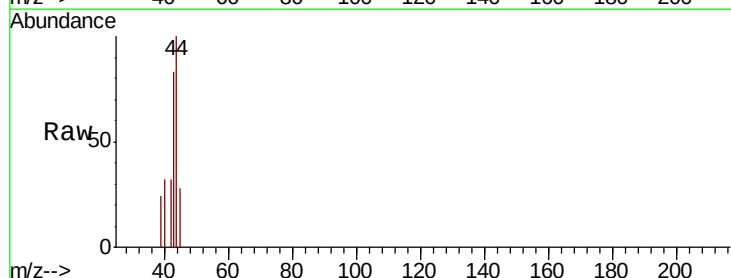
Acq: 23 Oct 2020 00:00

Tgt Ion: 43 Resp: 543

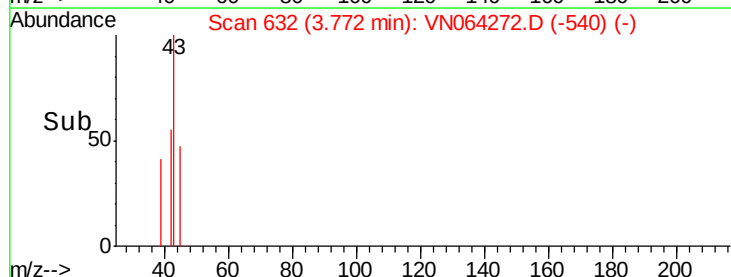
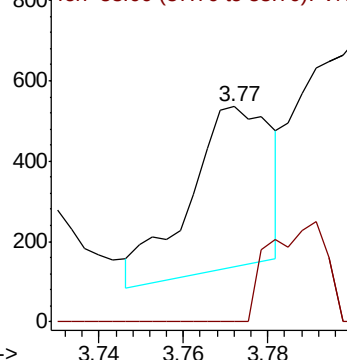
Ion Ratio Lower Upper

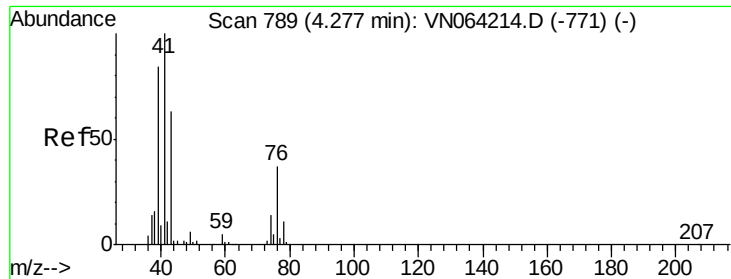
43 100

58 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VN064272.D (-540) (-)

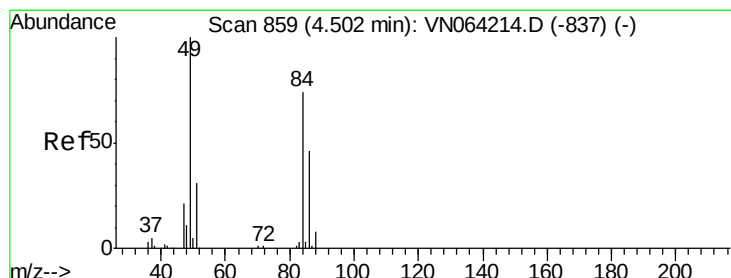
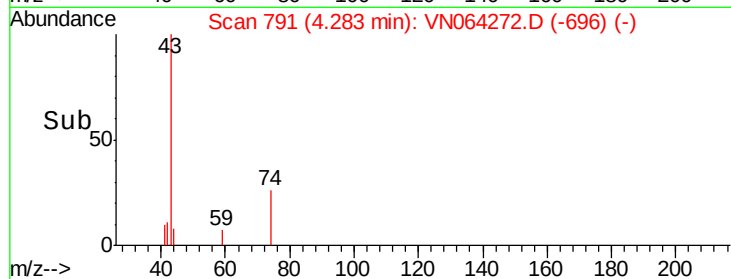
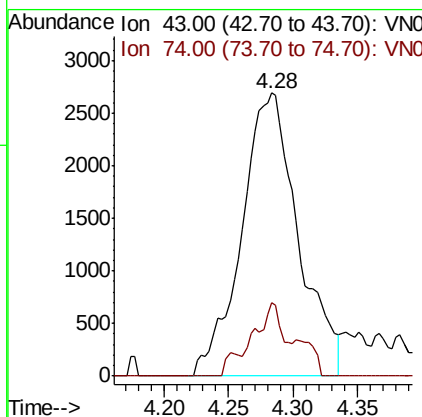
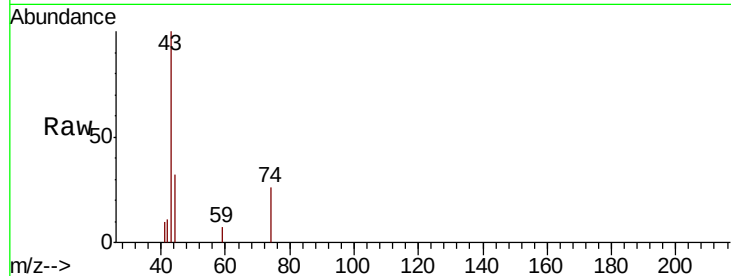




#18
Methyl Acetate
Concen: 3.336 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

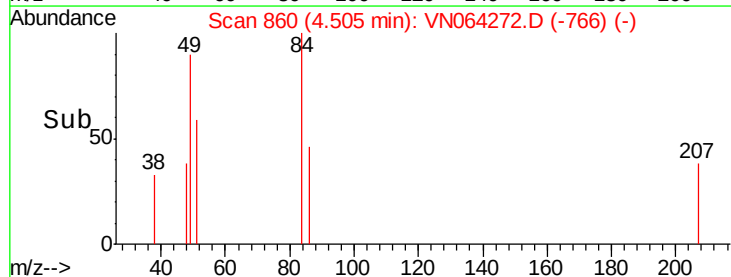
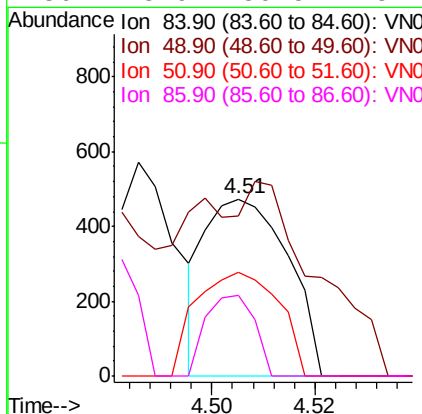
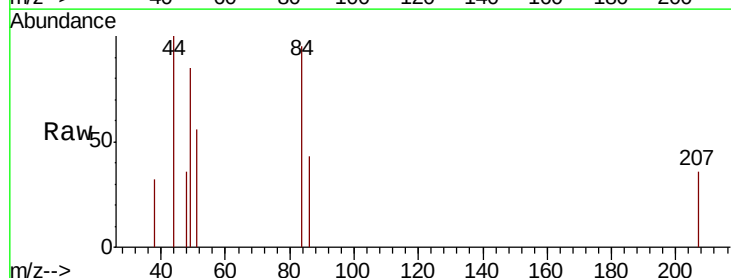
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102020ME

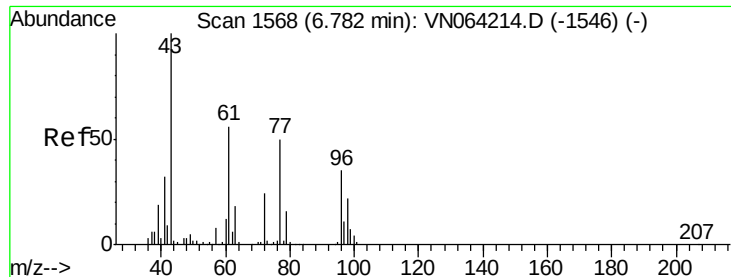
Tot Ion: 43 Resp: 8249
Ion Ratio Lower Upper
43 100
74 8.4 17.9 26.9#



#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Tgt Ion: 84 Resp: 525
Ion Ratio Lower Upper
84 100
49 40.2 108.5 162.7#
51 58.8 33.8 50.8#
86 45.9 50.5 75.7#

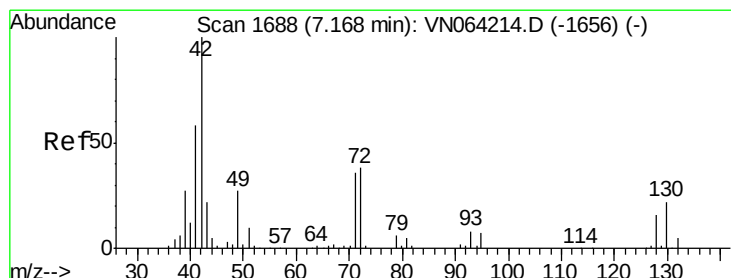
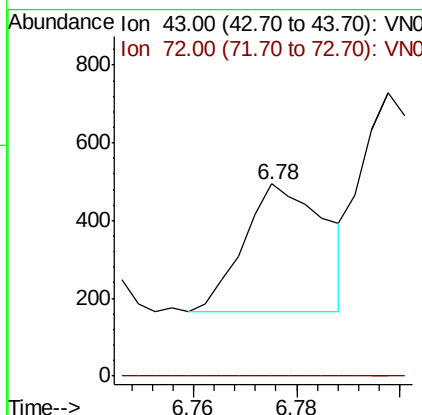
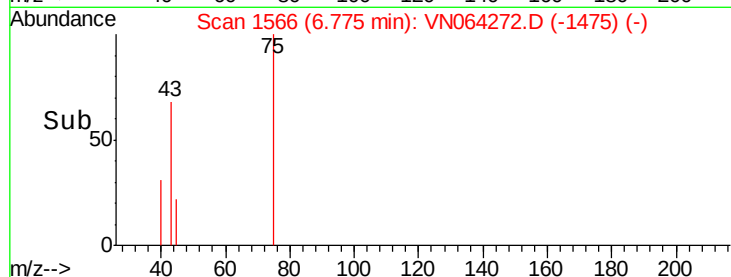
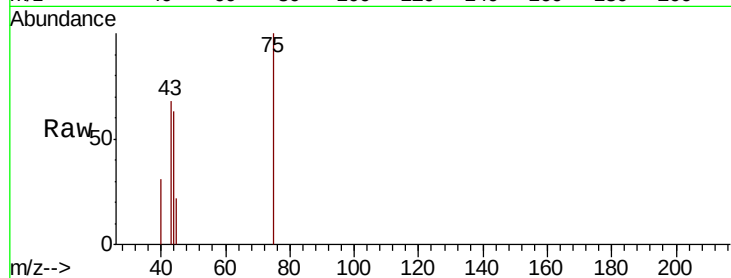




#25
2-Butanone
Concen: 0.234 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

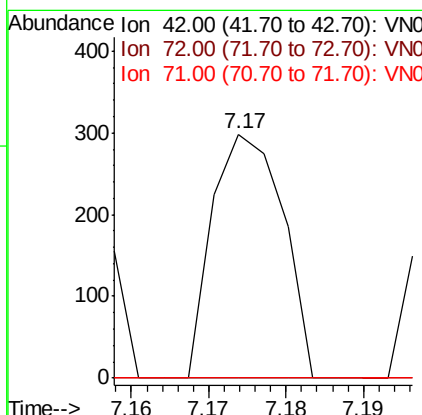
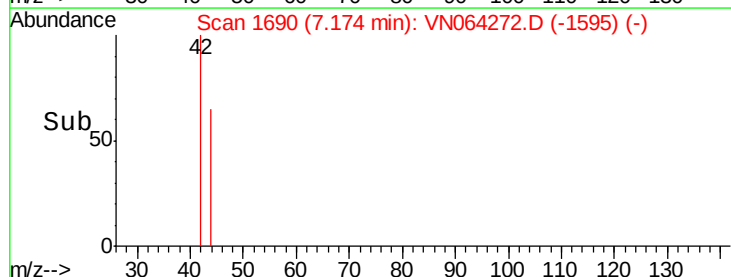
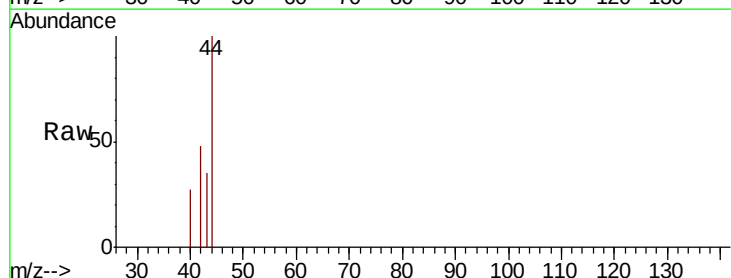
Instrument :
MSVOA_N
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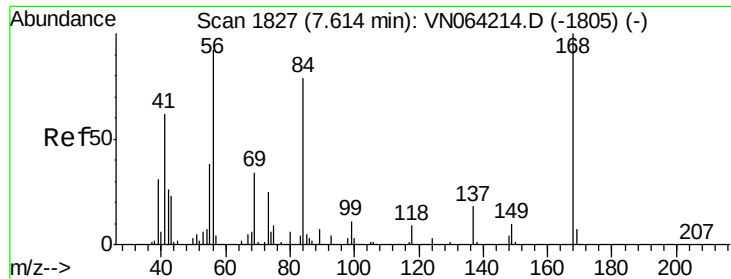
Tot Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#



#29
Tetrahydrofuran
Concen: 0.205 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Tgt Ion: 42 Resp: 189
Ion Ratio Lower Upper
42 100
72 0.0 30.8 46.2#
71 0.0 29.0 43.6#

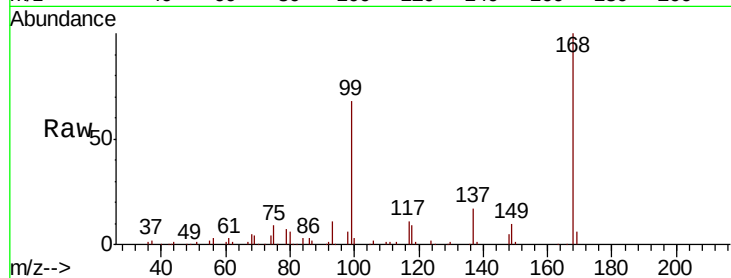




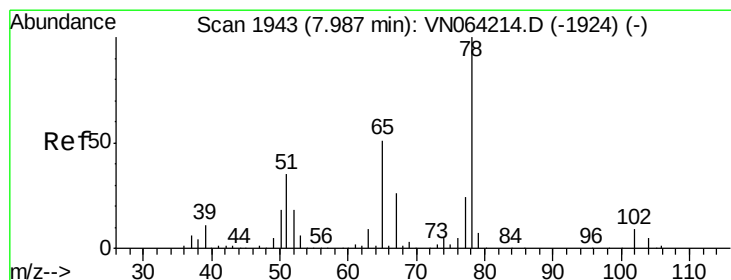
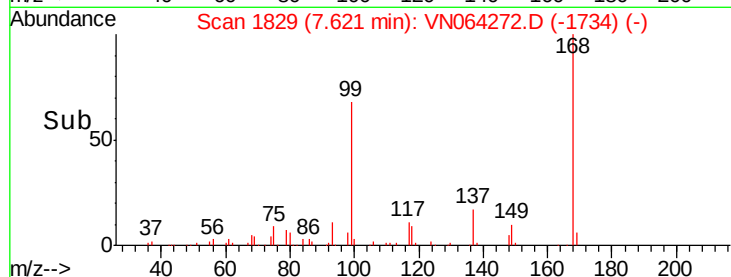
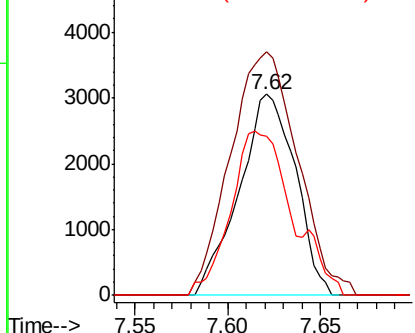
#31
Cyclohexane
Concen: 1.603 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Instrument :
MSVOA_N
ClientSampleId :
OK-03-102020ME

Tot Ion: 56 Resp: 6445
Ion Ratio Lower Upper
56 100
69 121.1 29.8 44.6#
84 79.0 68.1 102.1

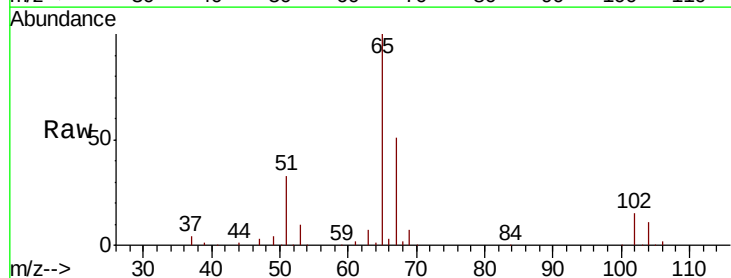


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

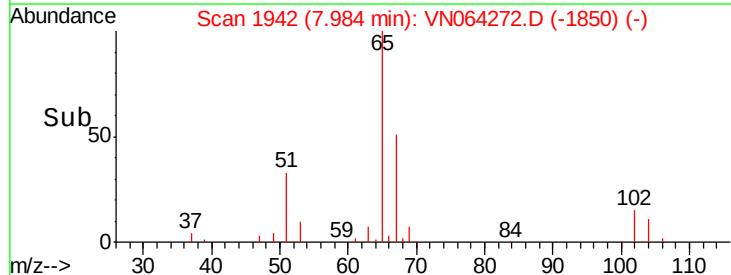
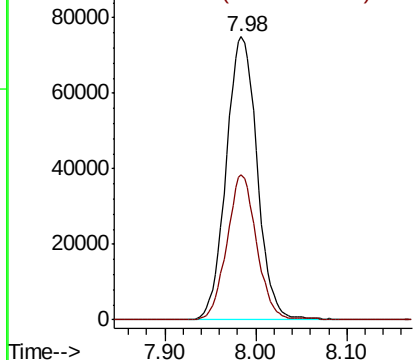


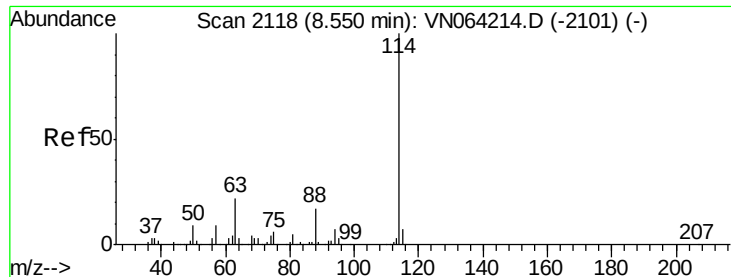
#33
1,2-Dichloroethane-d4
Concen: 52.234 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Tgt Ion: 65 Resp: 177144
Ion Ratio Lower Upper
65 100
67 49.2 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

OK-03-102020ME

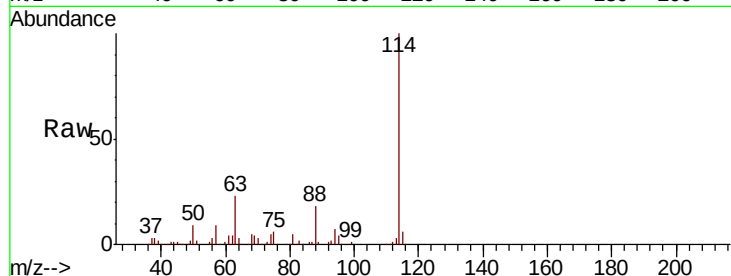
Tot Ion:114 Resp: 399967

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.0

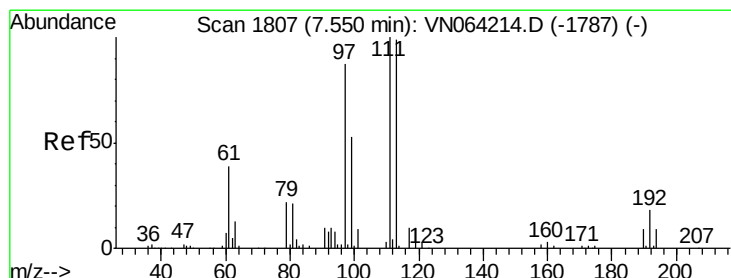
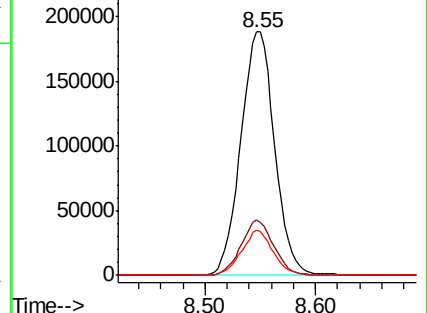
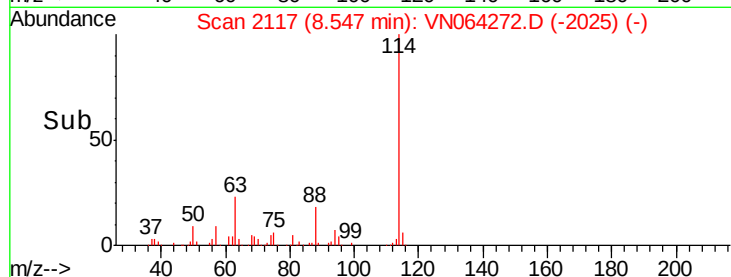
88 18.3 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.531 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

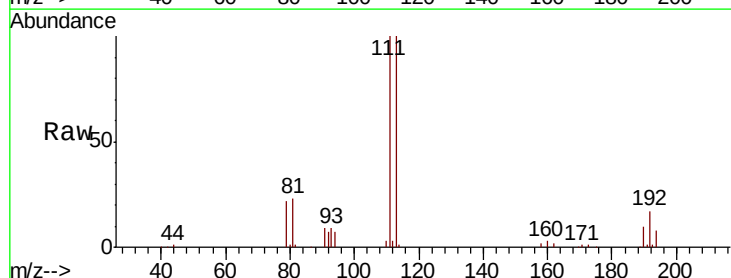
Tgt Ion:113 Resp: 134371

Ion Ratio Lower Upper

113 100

111 98.2 84.2 126.2

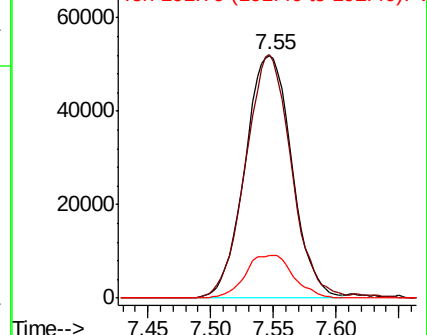
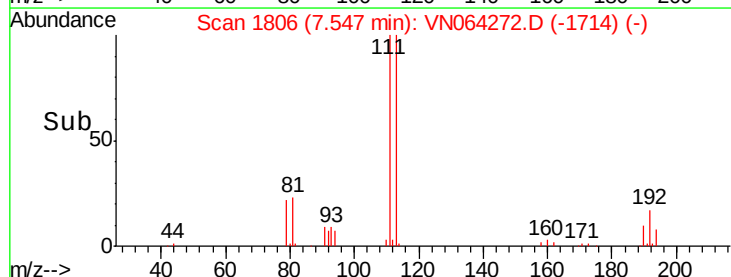
192 18.2 15.2 22.8

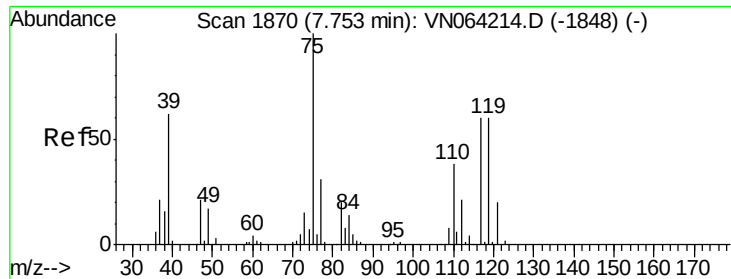


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.209 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.14 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

OK-03-102020ME

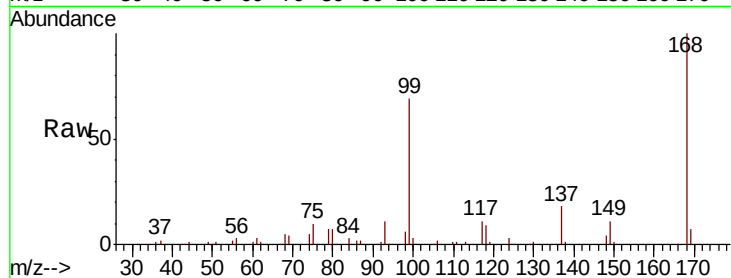
Tot Ion: 75 Resp: 20771

Ion Ratio Lower Upper

75 100

110 5.4 17.2 51.6#

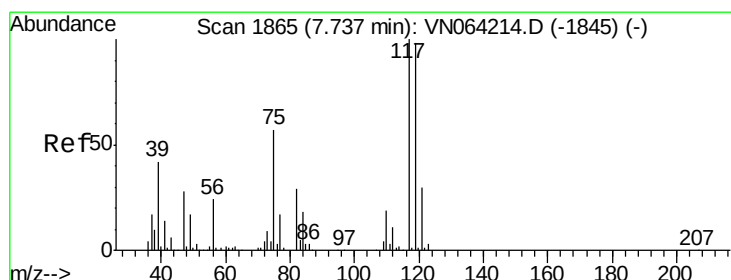
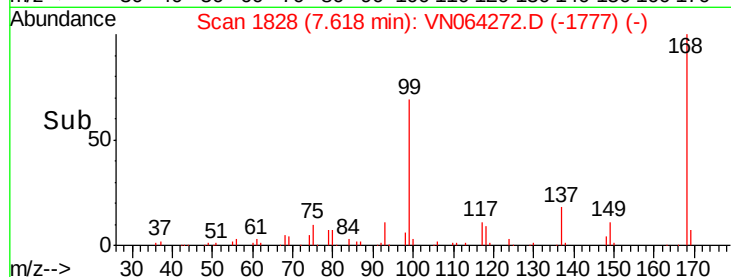
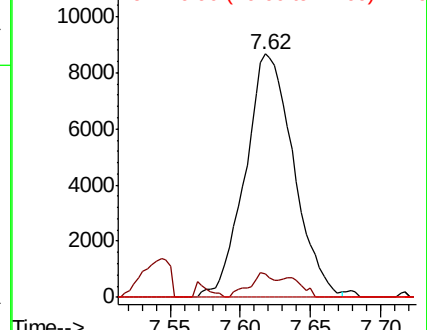
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN064214.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN064214.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN064214.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.623 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

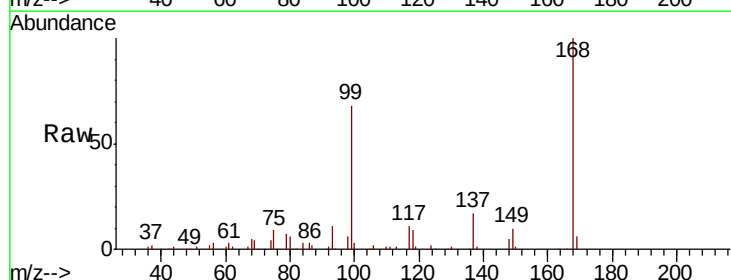
Tgt Ion: 117 Resp: 25511

Ion Ratio Lower Upper

117 100

119 4.9 78.5 117.7#

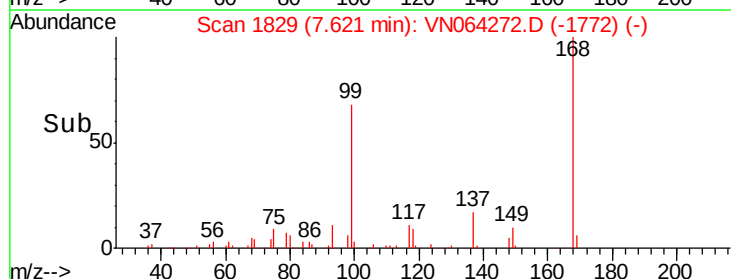
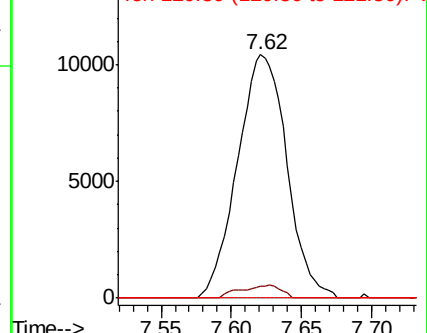
121 0.0 24.3 36.5#

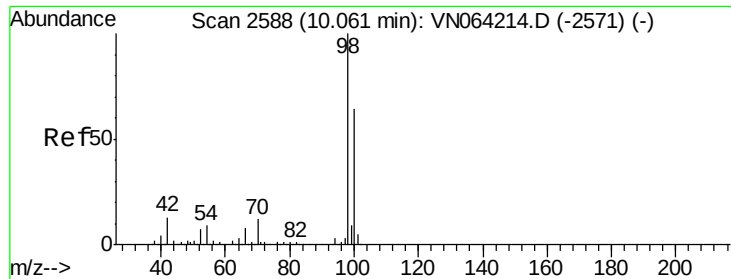


Abundance Ion 116.80 (116.50 to 117.50): VN064214.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064214.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064214.D (-1845) (-)

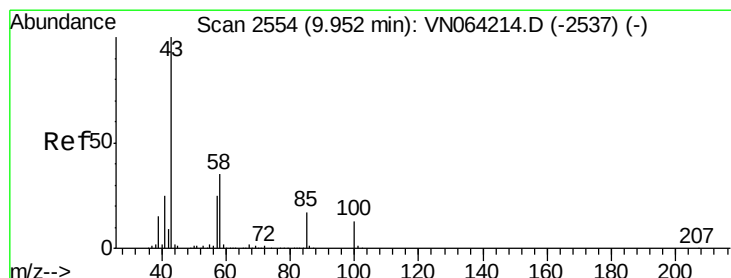
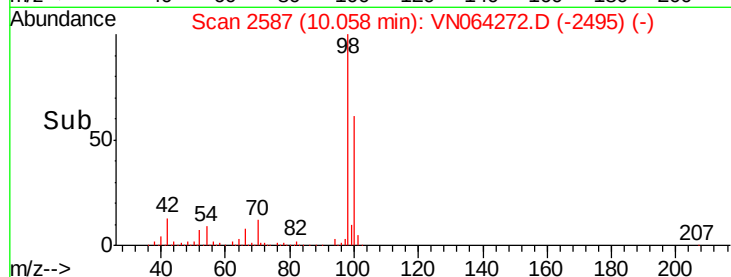
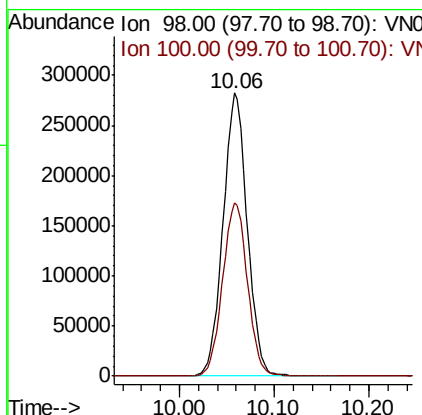
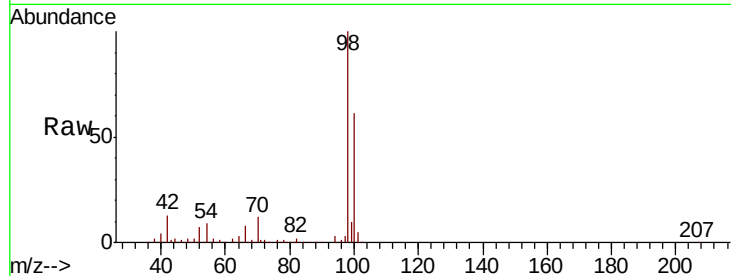




#50
Toluene-d8
Concen: 51.958 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

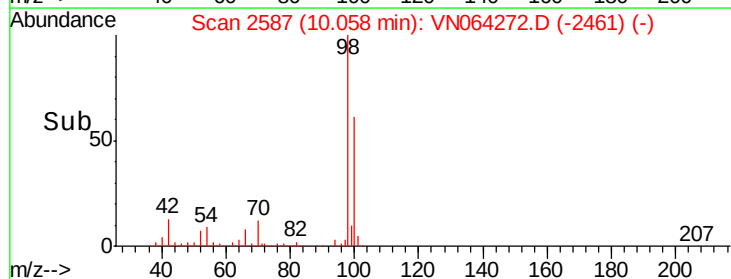
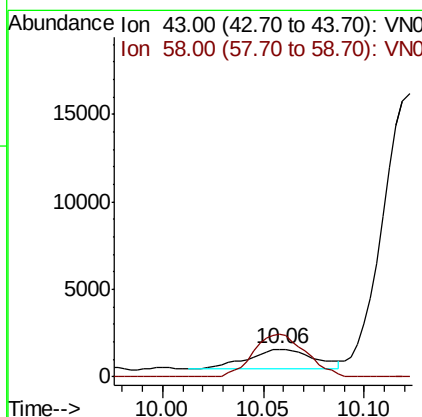
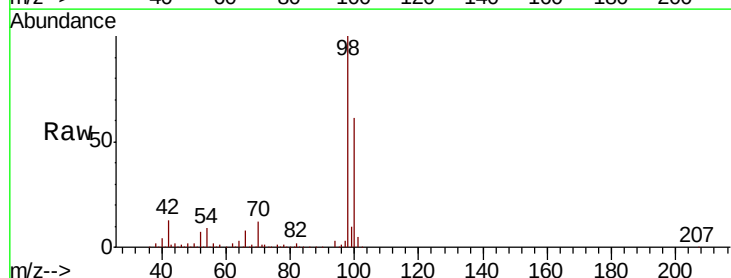
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102020ME

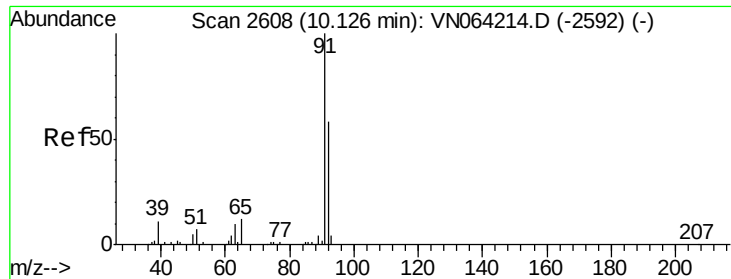
Tot Ion: 98 Resp: 501193
Ion Ratio Lower Upper
98 100
100 62.7 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 0.726 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.11 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Tgt Ion: 43 Resp: 2618
Ion Ratio Lower Upper
43 100
58 169.9 28.6 42.8#





#52

Toluene

Concen: 346.019 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064272.D

Acq: 23 Oct 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

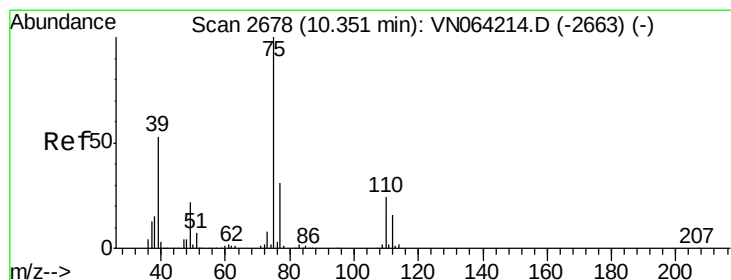
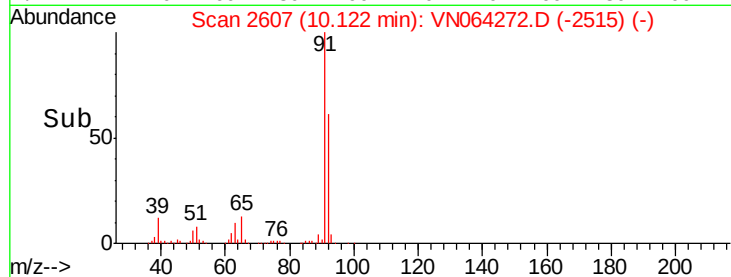
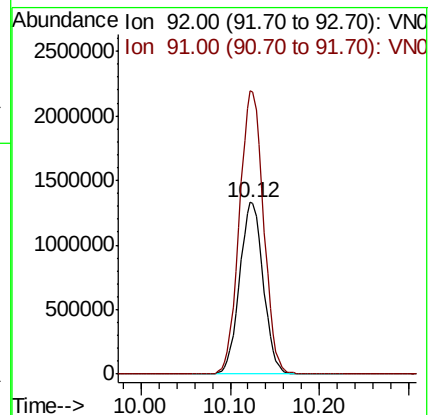
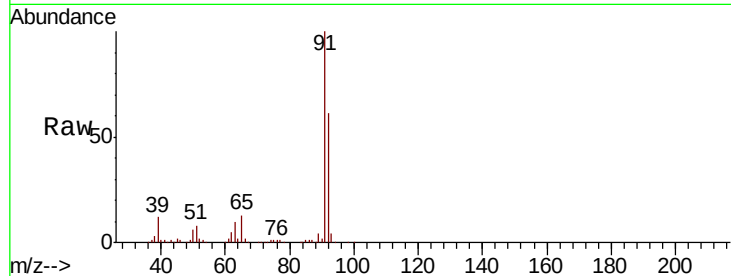
OK-03-102020ME

Tot Ion: 92 Resp: 2437030

Ion Ratio Lower Upper

92 100

91 168.5 137.4 206.2



#53

t-1,3-Dichloropropene

Concen: 6.953 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN064272.D

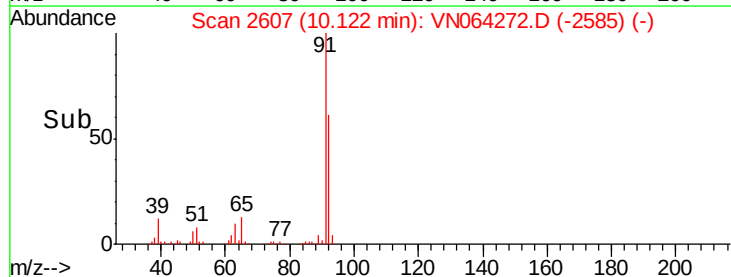
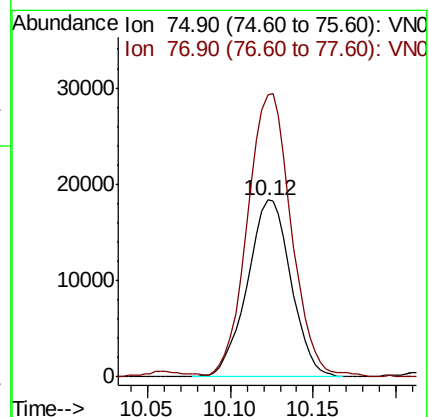
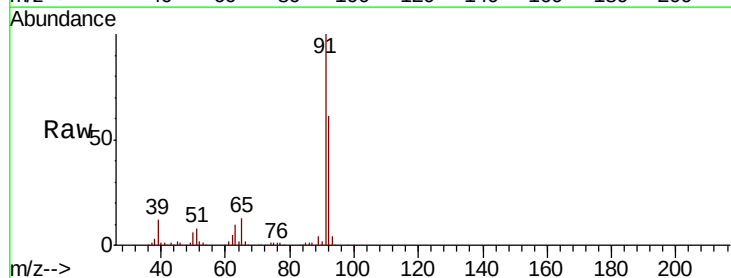
Acq: 23 Oct 2020 00:00

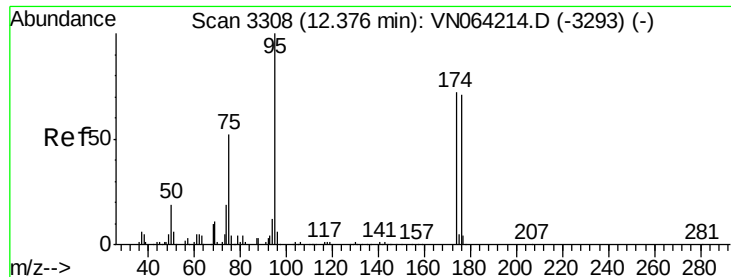
Tgt Ion: 75 Resp: 33671

Ion Ratio Lower Upper

75 100

77 158.1 25.4 38.2#

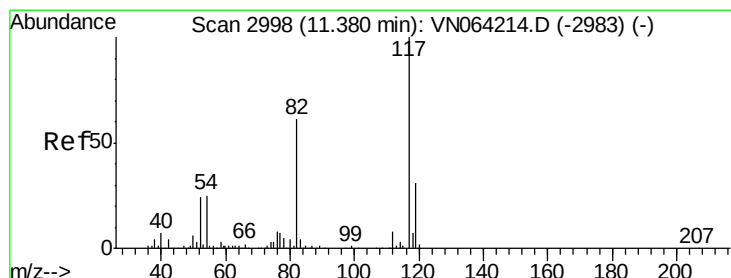
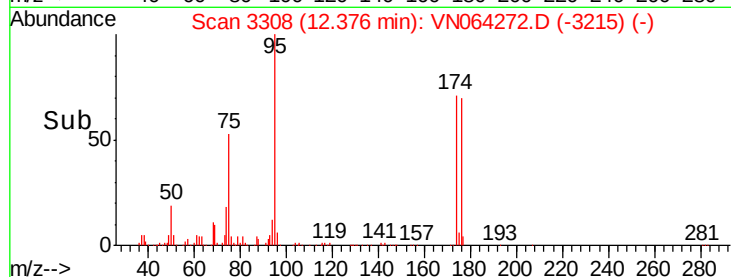
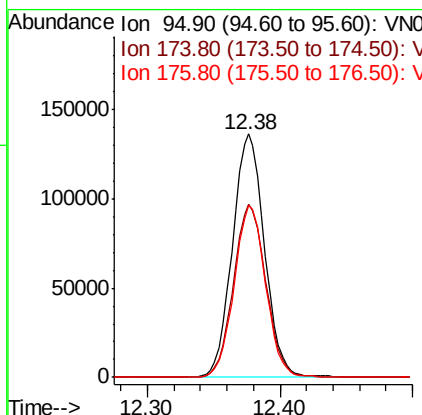
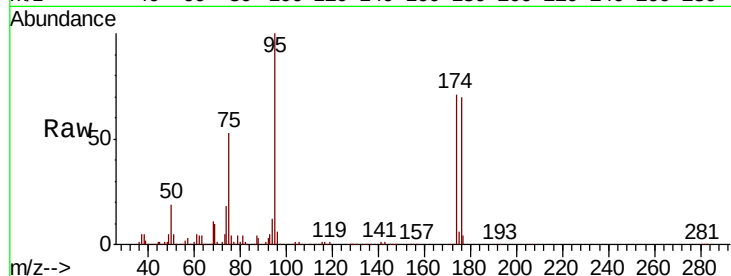




#62
4-Bromofluorobenzene
Concen: 58.383 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

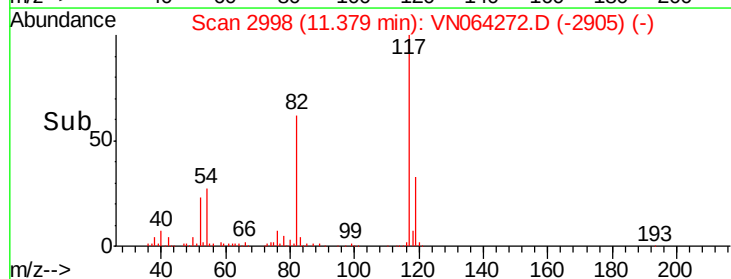
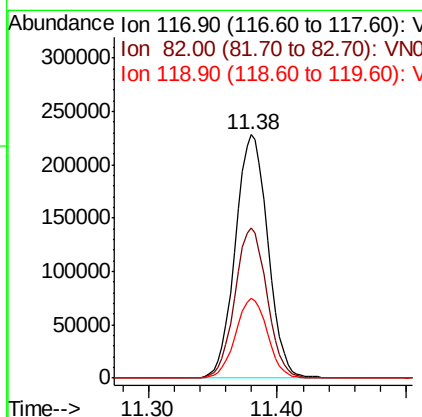
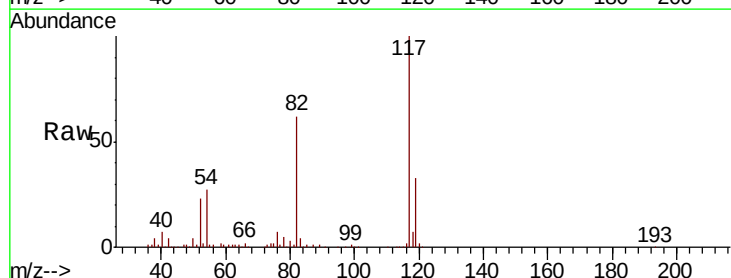
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102020ME

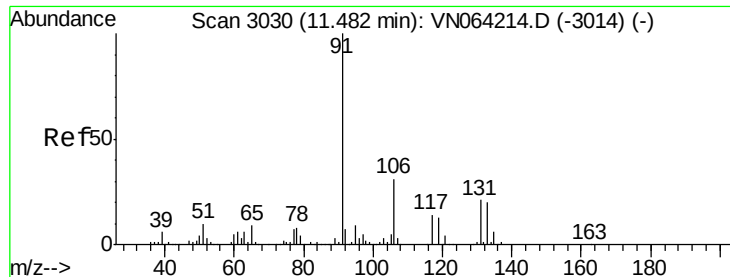
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	144.4
176	69.6	0.0	139.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.9	48.8	73.2
119	32.7	24.7	37.1

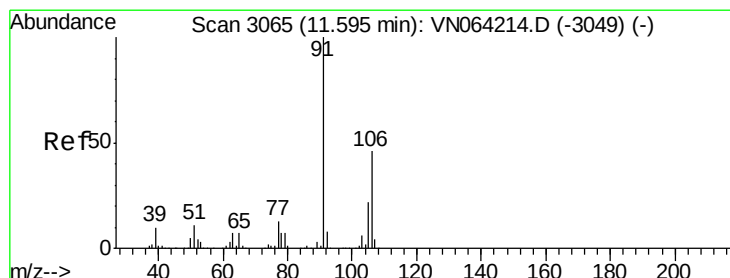
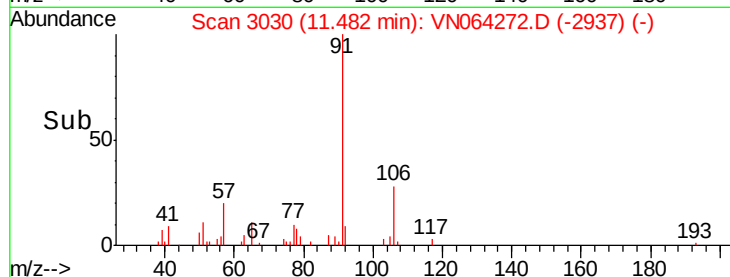
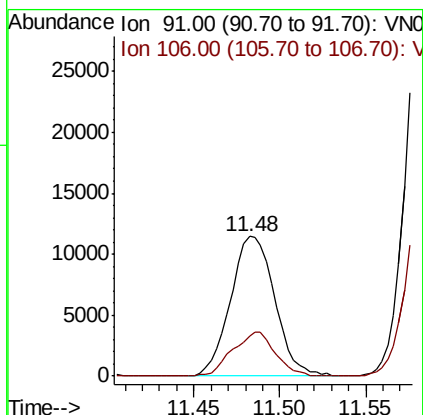
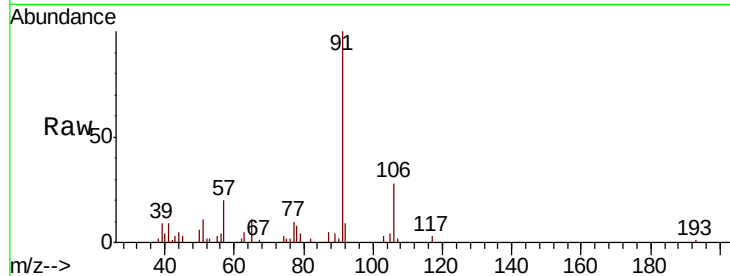




#67
Ethyl Benzene
Concen: 1.345 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

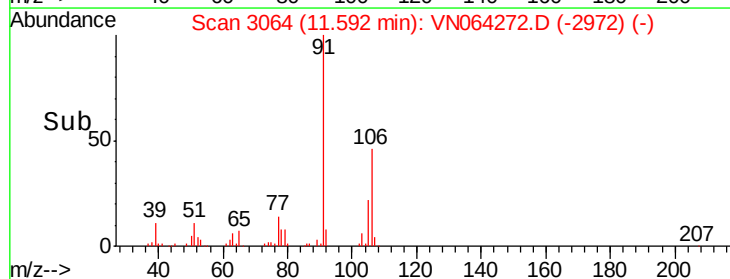
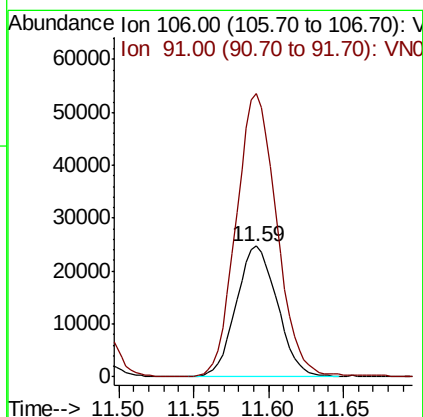
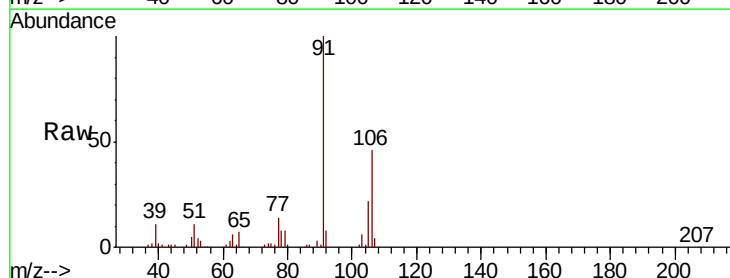
Instrument :
MSVOA_N
ClientSampled :
OK-03-102020ME

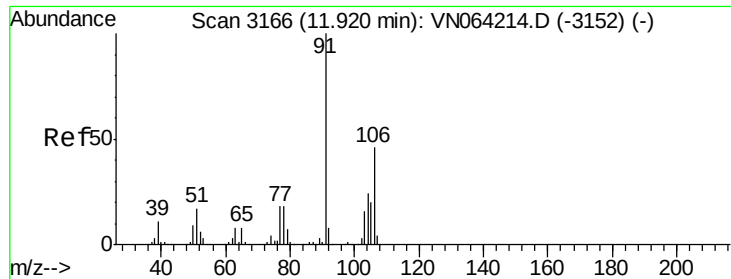
Tot Ion: 91 Resp: 20490
Ion Ratio Lower Upper
91 100
106 28.5 24.8 37.2



#68
m/p-Xylenes
Concen: 8.374 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Tgt Ion: 106 Resp: 47251
Ion Ratio Lower Upper
106 100
91 213.5 172.2 258.2

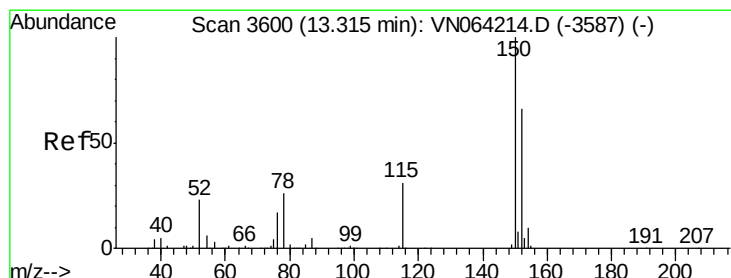
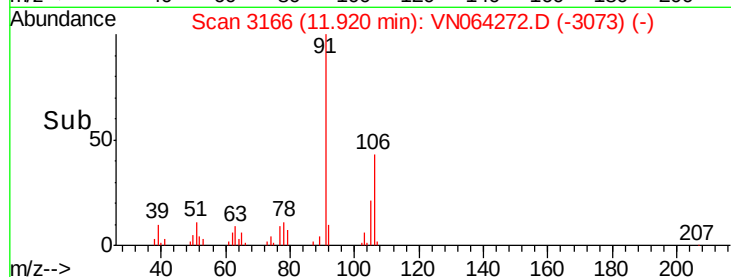
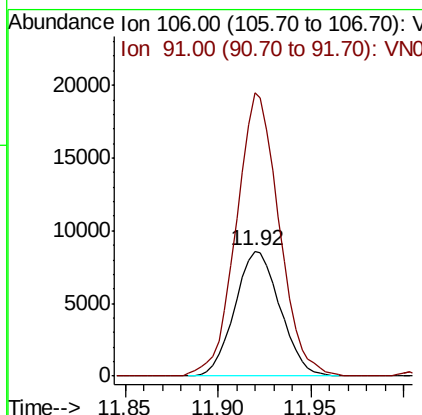
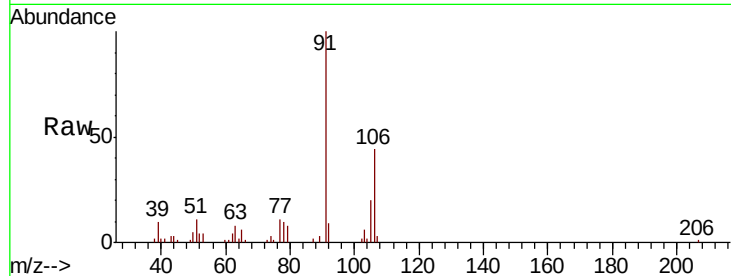




#69
o-Xylene
Concen: 2.682 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

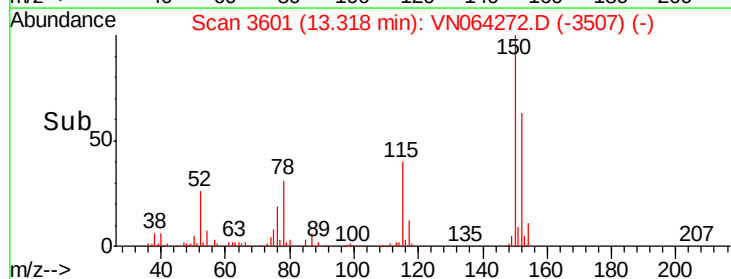
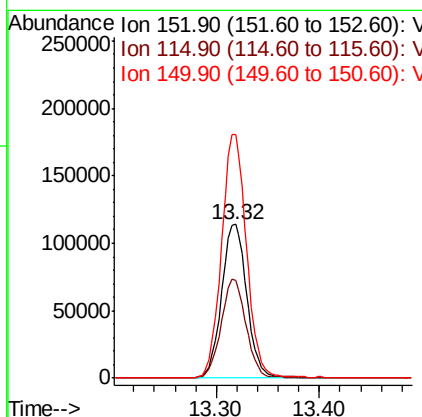
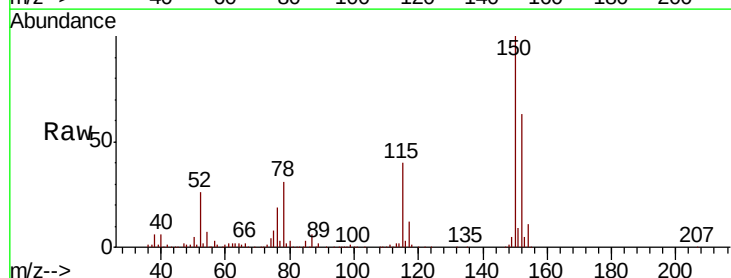
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102020ME

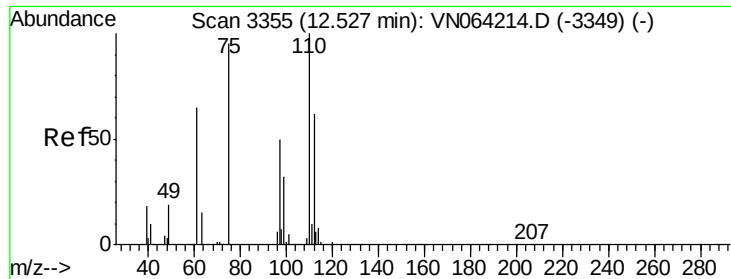
Tot Ion:106 Resp: 14638
Ion Ratio Lower Upper
106 100
91 213.7 109.9 329.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064272.D
Acq: 23 Oct 2020 00:00

Tgt Ion:152 Resp: 194893
Ion Ratio Lower Upper
152 100
115 63.4 32.0 96.2
150 155.4 0.0 356.6

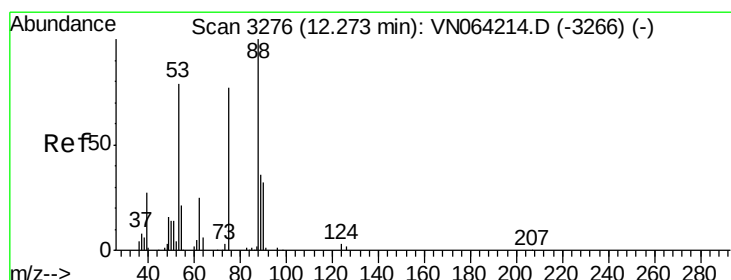
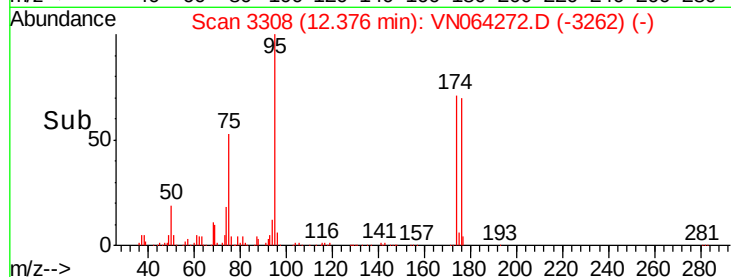
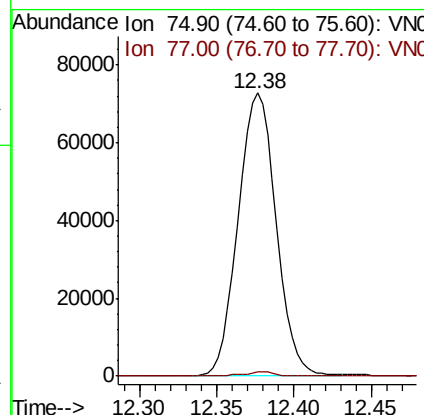
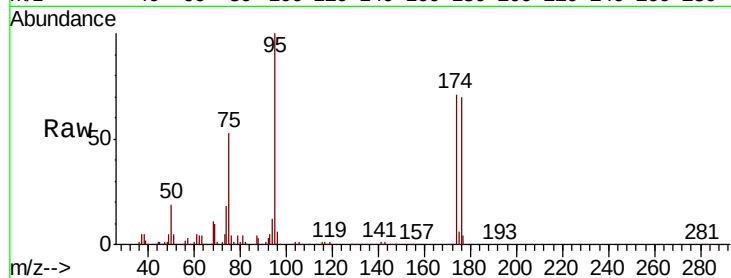




#76
 1,2,3-Trichloropropane
 Concen: 30.290 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064272.D
 Acq: 23 Oct 2020 00:00

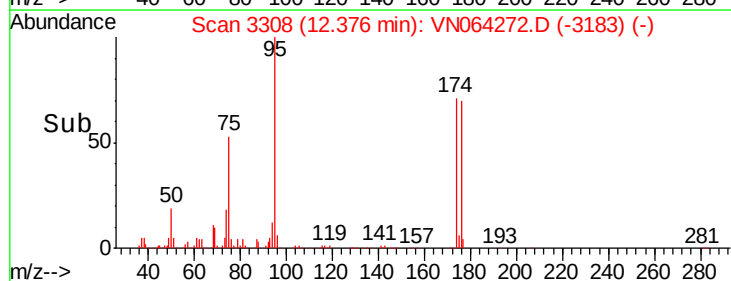
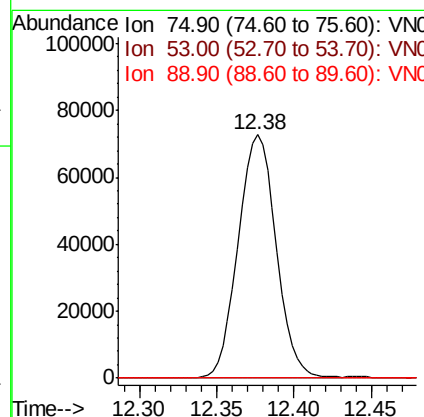
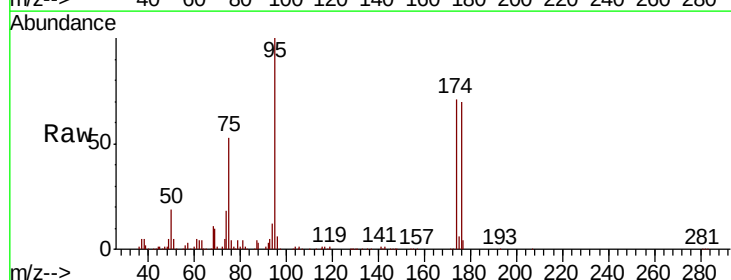
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-102020ME

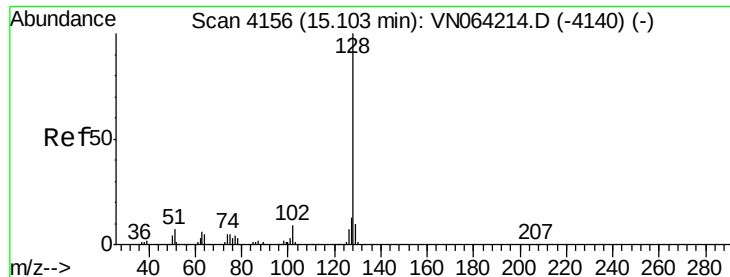
Tot Ion: 75 Resp: 124451
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.473 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064272.D
 Acq: 23 Oct 2020 00:00

Tgt Ion: 75 Resp: 124451
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.1 38.7 58.1#





#95

Naphthalene

Concen: 0.356 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064272.D

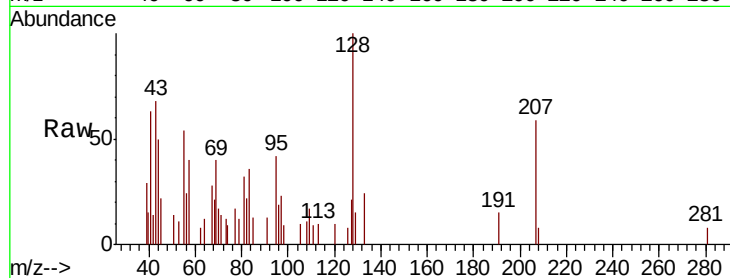
Acq: 23 Oct 2020 00:00

Instrument :

MSVOA_N

ClientSampleId :

OK-03-102020ME



Tot Ion:	128	Resp:	3664
Ion	Ratio	Lower	Upper
128	100		
127	24.6	10.5	15.7#
129	9.0	8.6	12.8

