

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063201.D
 Acq On : 2 Sep 2020 17:52
 Operator : JC/MD
 Sample : L3866-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-090120

Quant Time: Sep 03 01:02:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	346806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	672717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	670663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	251757	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	276284	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	7.55	113	213087	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.06	98	861424	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.38	95	301156	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	2206	0.444	ug/l #	78
5) Bromomethane	2.55	94	3226	0.698	ug/l #	63
7) Trichlorofluoromethane	3.00	101	754	Below Cal		91
11) Tert butyl alcohol	4.73	59	244	0.351	ug/l #	93
13) Acrolein	3.57	56	584	17.834	ug/l #	37
15) Acrylonitrile	4.94	53	590	2.704	ug/l #	31
16) Acetone	3.78	43	36264	22.502	ug/l	97
17) Carbon Disulfide	4.01	76	3577	0.316	ug/l #	74
18) Methyl Acetate	4.29	43	4248	1.028	ug/l	91
20) Methylene Chloride	4.49	84	4998	0.617	ug/l	97
25) 2-Butanone	6.80	43	4163	1.668	ug/l #	89
29) Tetrahydrofuran	7.16	42	1216	0.705	ug/l #	68
31) Cyclohexane	7.63	56	11577	Below Cal	#	62
36) 1,1-Dichloropropene	7.62	75	32523	5.029	ug/l #	47
37) Ethyl Acetate	6.87	43	157	0.406	ug/l #	45
38) Carbon Tetrachloride	7.62	117	38142	5.816	ug/l #	16
43) Isopropyl Acetate	8.13	43	79957	7.581	ug/l #	93
48) Methyl methacrylate	9.15	41	3834	0.806	ug/l #	12
49) 1,4-Dioxane	9.17	88	109	1.482	ug/l #	25
51) 4-Methyl-2-Pentanone	9.96	43	14189	2.476	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	38418	4.681	ug/l #	63
59) 2-Hexanone	10.74	43	60306	14.972	ug/l #	52
74) N-ethyl acetate	12.01	43	3402	0.425	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	174535	35.285	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	174535	85.282	ug/l #	10
82) 4-Chlorotoluene	12.75	91	2781	0.200	ug/l	95
85) sec-Butylbenzene	13.15	105	3691	0.205	ug/l	87
87) 1,3-Dichlorobenzene	13.27	146	1828	0.228	ug/l	81
88) 1,4-Dichlorobenzene	13.27	146	1828	0.220	ug/l	81
89) n-Butylbenzene	13.60	91	3582	0.243	ug/l	78
93) 1,2,4-Trichlorobenzene	14.89	180	2211	0.508	ug/l #	58
94) Hexachlorobutadiene	14.98	225	671	0.413	ug/l #	68
95) Naphthalene	15.11	128	9397	0.648	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.29	180	2532	0.598	ug/l	86

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Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

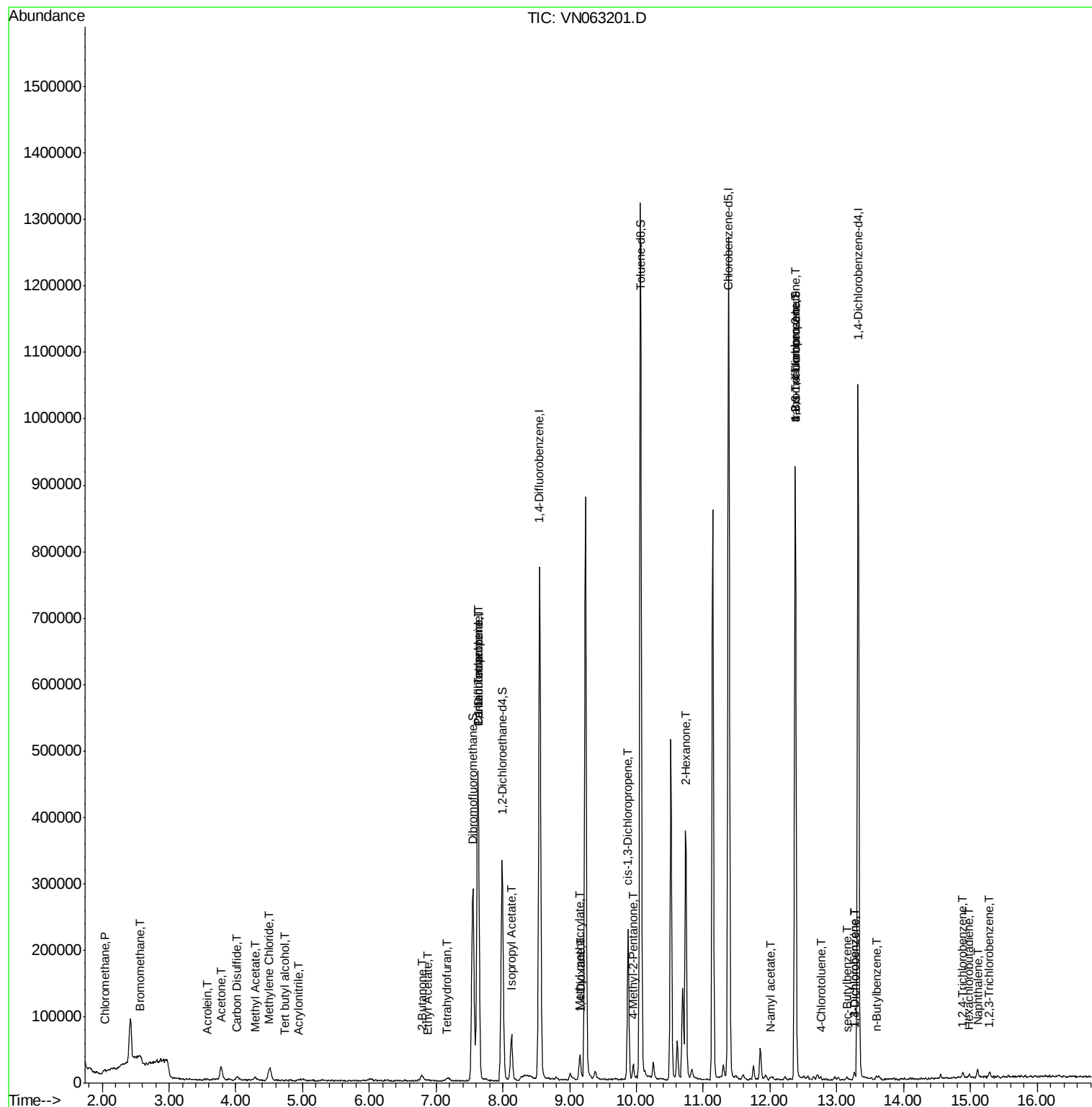
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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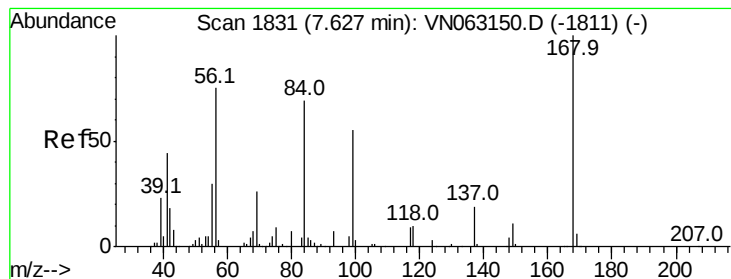
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090220\
Data File : VN063201.D
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Sample : L3866-05
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

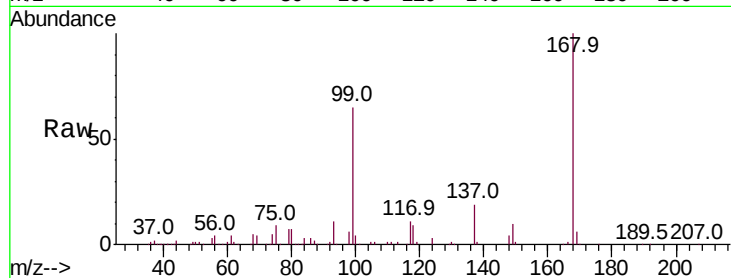
OK-03-090120

Tot Ion:168 Resp: 346806

Ion Ratio Lower Upper

168 100

99 64.5 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063201.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063201.D (-1738) (-)

7.63

150000

100000

50000

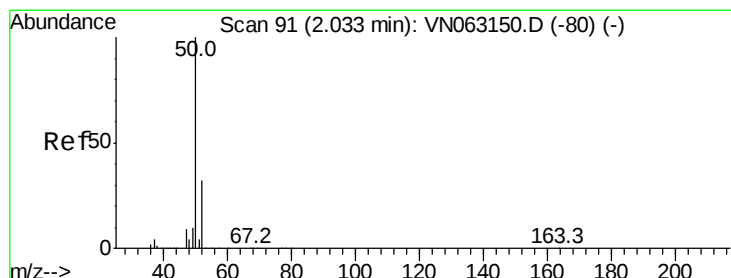
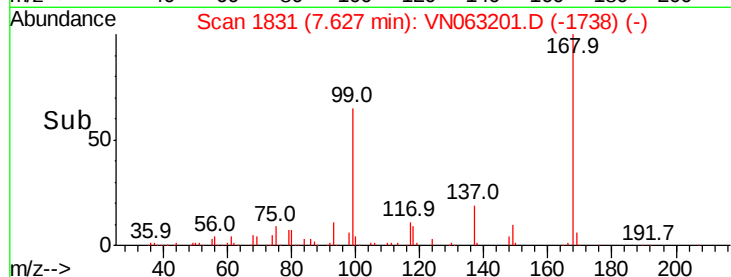
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Time-->

7.50

7.60

7.70



#3

Chloromethane

Concen: 0.444 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063201.D

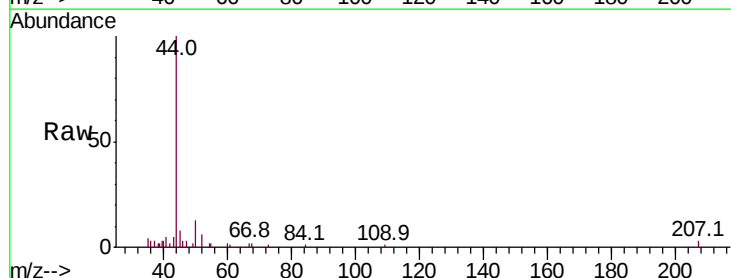
Acq: 2 Sep 2020 17:52

Tgt Ion: 50 Resp: 2206

Ion Ratio Lower Upper

50 100

52 44.4 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN063201.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063201.D (-1) (-)

2.03

1500

1000

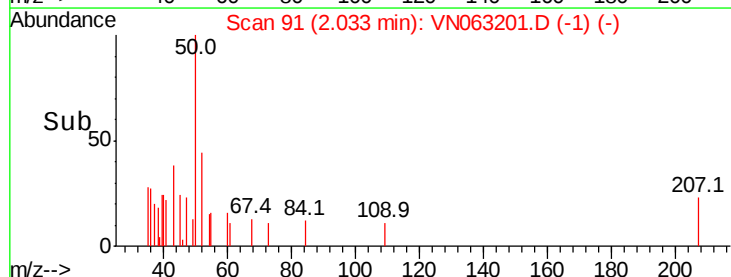
500

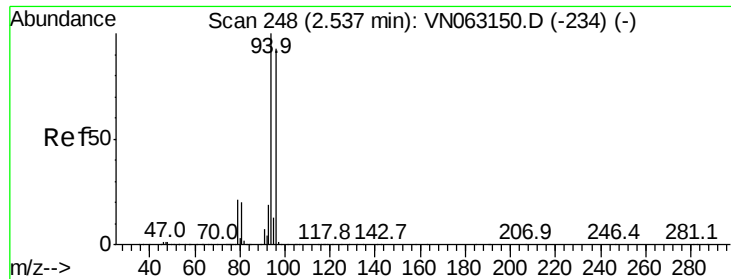
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Time-->

2.00

2.05





#5

Bromomethane

Concen: 0.698 ug/l

RT: 2.55 min Scan# 253

Delta R.T. 0.02 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

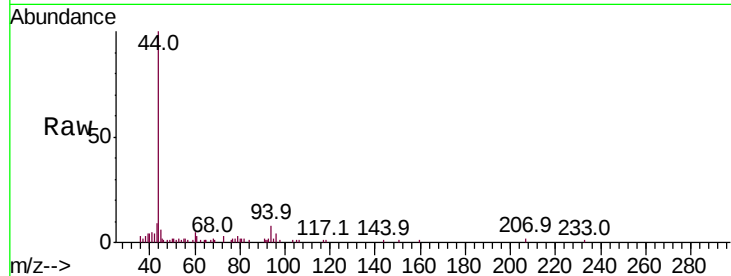
OK-03-090120

Tot Ion: 94 Resp: 3226

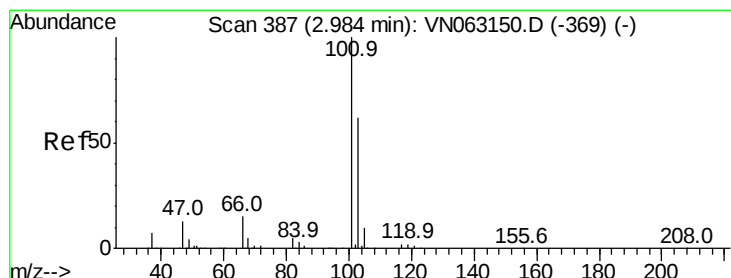
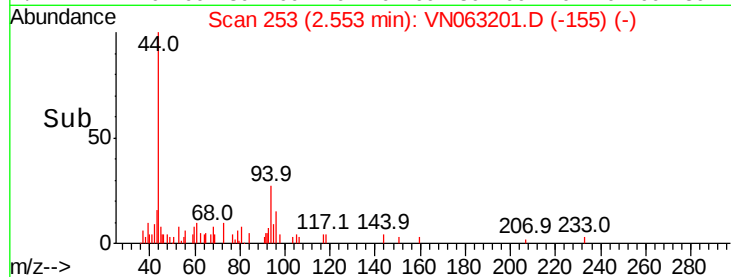
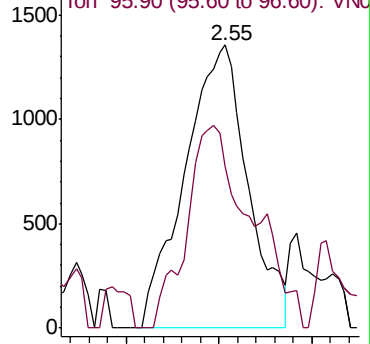
Ion Ratio Lower Upper

94 100

96 57.3 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VN063201.D (-155) (-)



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 391

Delta R.T. 0.01 min

Lab File: VN063201.D

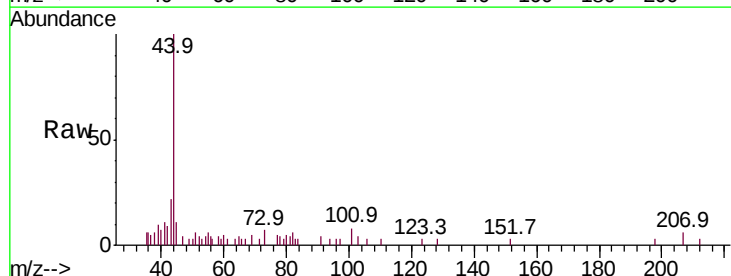
Acq: 2 Sep 2020 17:52

Tgt Ion: 101 Resp: 754

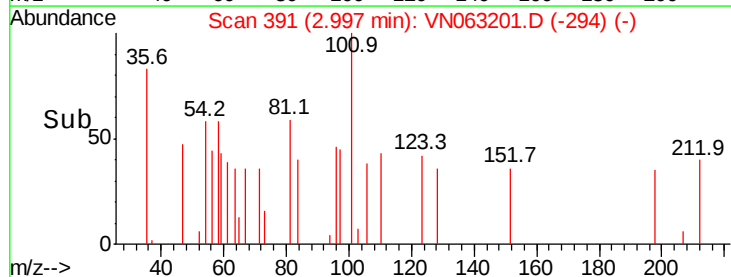
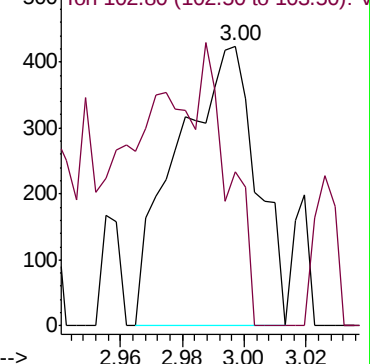
Ion Ratio Lower Upper

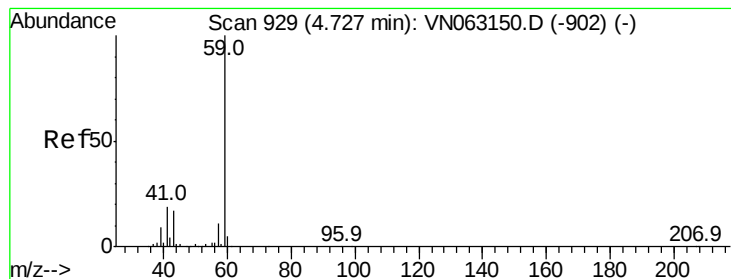
101 100

103 55.2 49.7 74.5



Abundance Ion 100.90 (100.60 to 101.60): VN063201.D (-294) (-)





#11

Tert butyl alcohol

Concen: 0.351 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

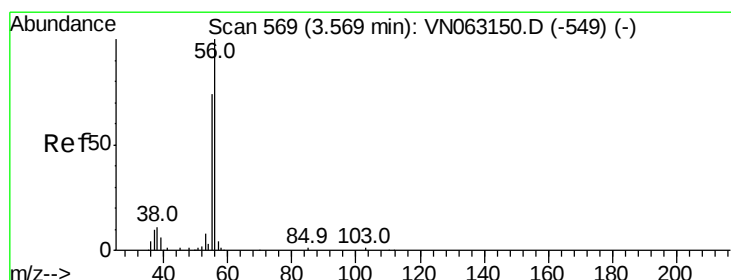
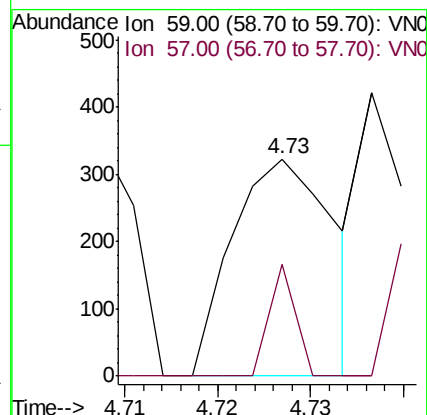
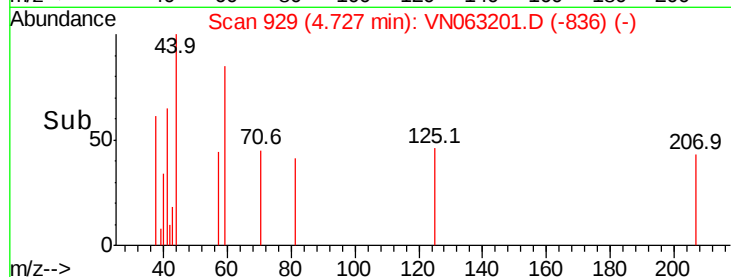
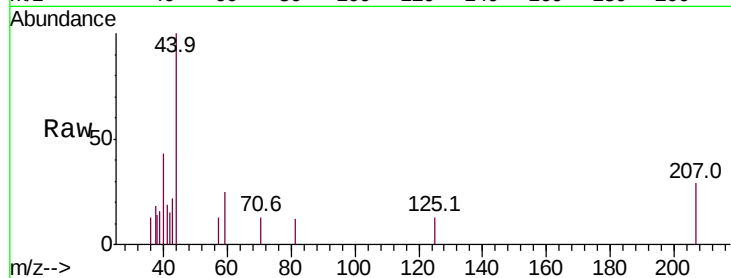
OK-03-090120

Tot Ion: 59 Resp: 244

Ion Ratio Lower Upper

59 100

57 13.1 8.4 12.6#



#13

Acrolein

Concen: 17.834 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063201.D

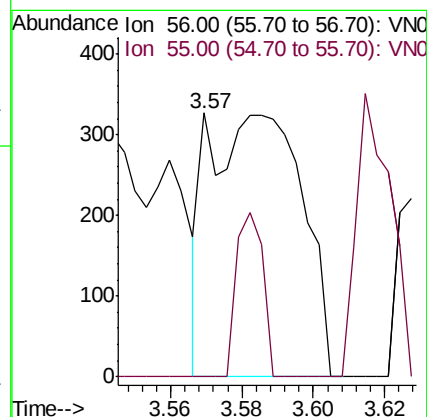
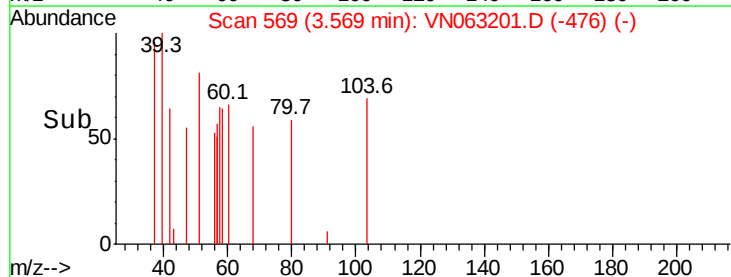
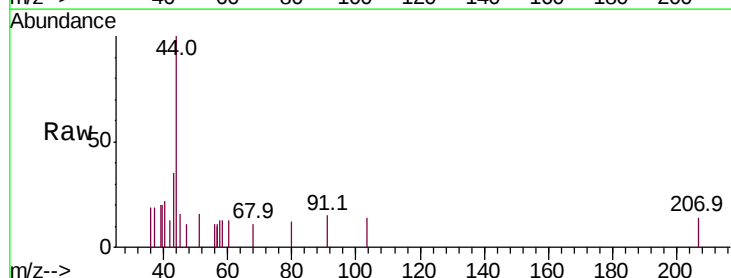
Acq: 2 Sep 2020 17:52

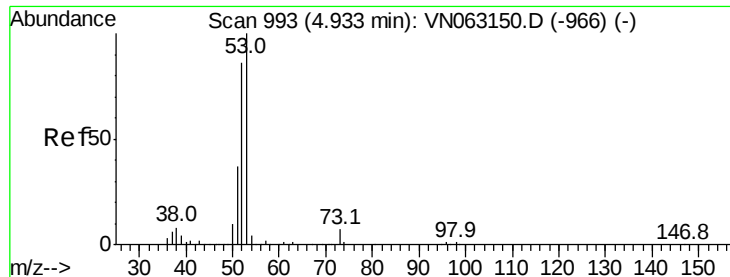
Tgt Ion: 56 Resp: 584

Ion Ratio Lower Upper

56 100

55 17.8 55.4 83.0#





#15

Acrylonitrile

Concen: 2.704 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

OK-03-090120

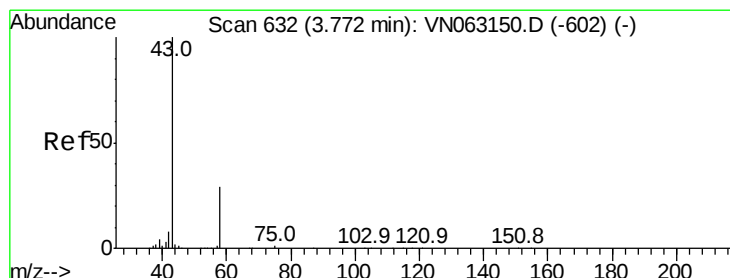
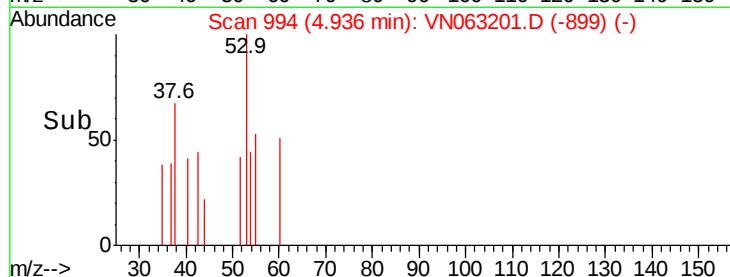
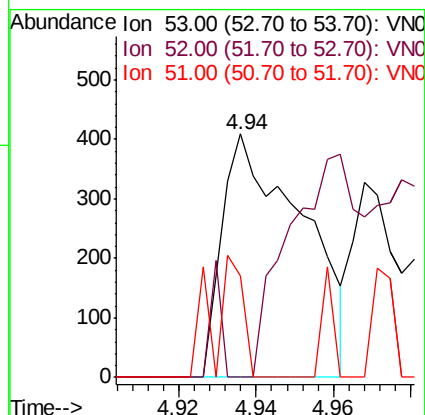
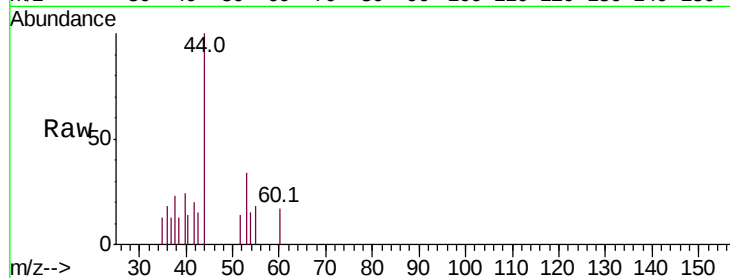
Tot Ion: 53 Resp: 590

Ion Ratio Lower Upper

53 100

52 6.4 67.2 100.8#

51 18.3 30.2 45.4#



#16

Acetone

Concen: 22.502 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063201.D

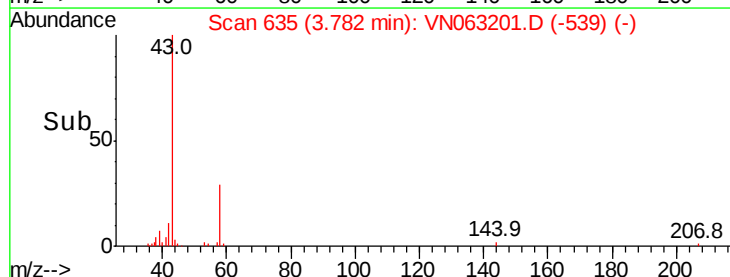
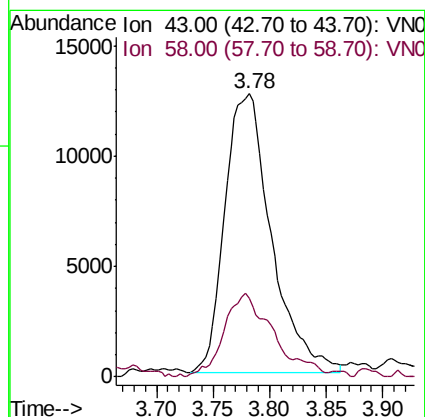
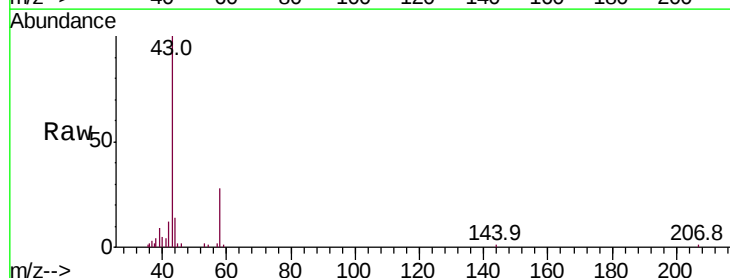
Acq: 2 Sep 2020 17:52

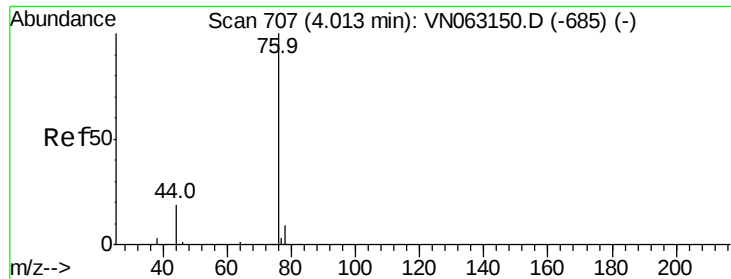
Tgt Ion: 43 Resp: 36264

Ion Ratio Lower Upper

43 100

58 27.1 23.1 34.7

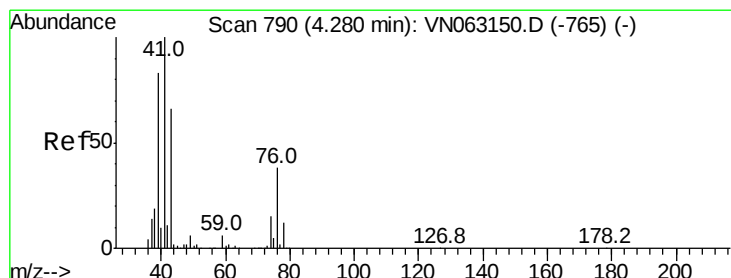
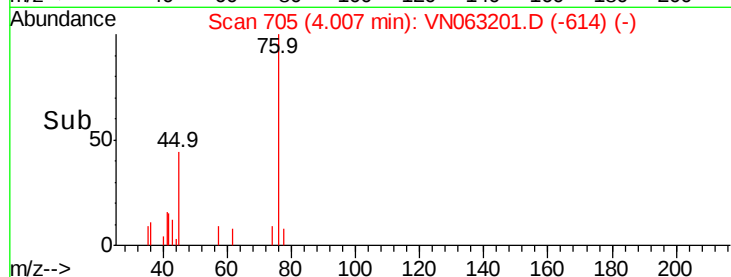
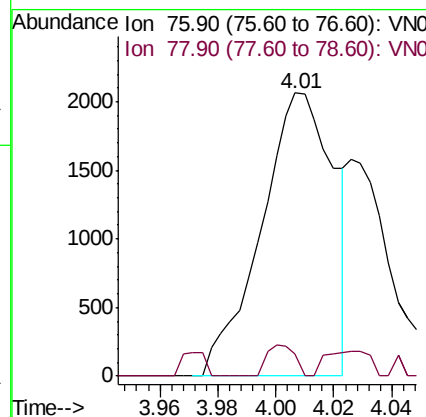
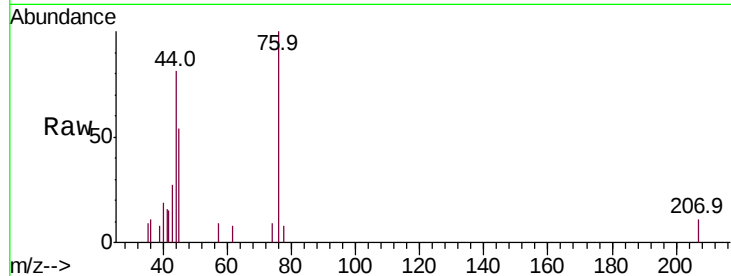




#17
Carbon Disulfide
Concen: 0.316 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.01 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

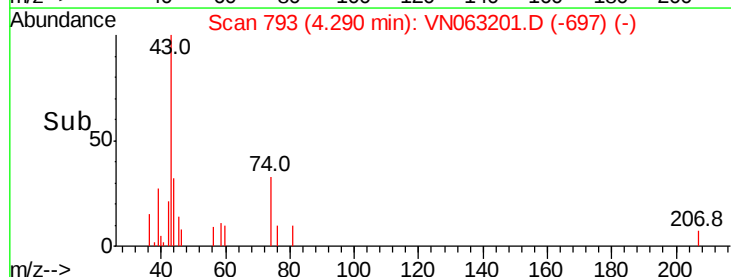
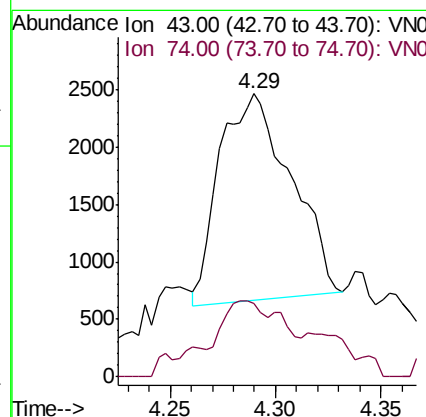
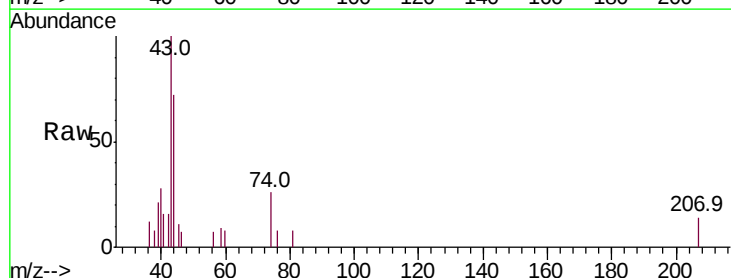
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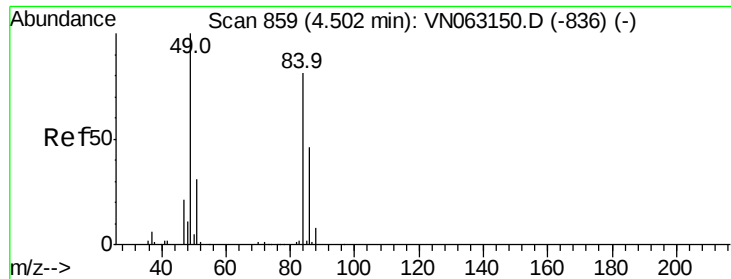
Tot Ion: 76 Resp: 3577
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 1.028 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

Tgt Ion: 43 Resp: 4248
Ion Ratio Lower Upper
43 100
74 28.4 19.0 28.6

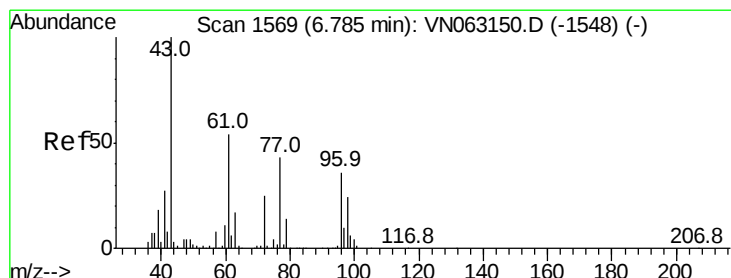
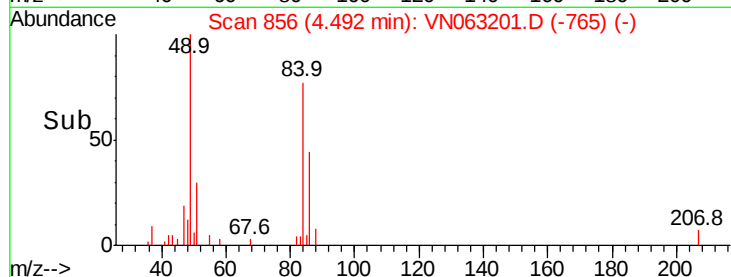
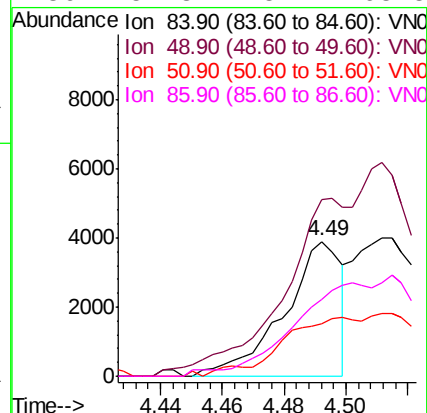
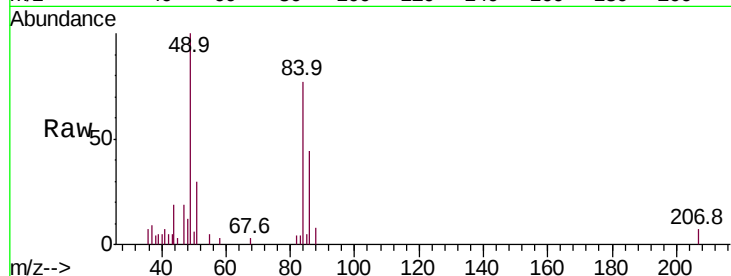




#20
Methvlene Chloride
Concen: 0.617 ug/l
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

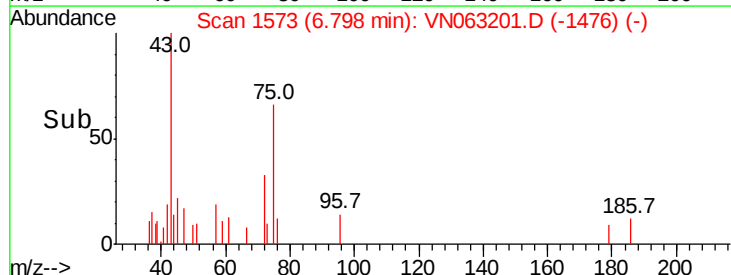
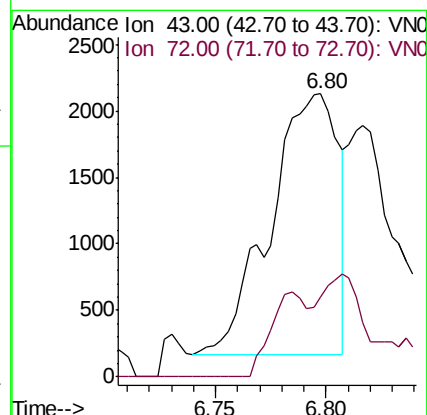
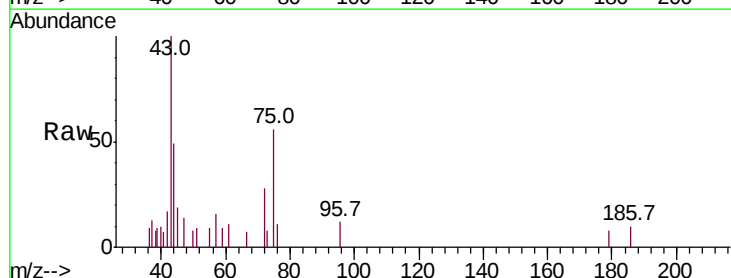
Instrument :
MSVOA_N
ClientSampleId :
OK-03-090120

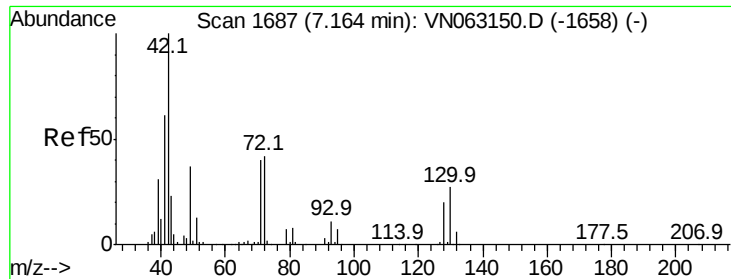
Tot Ion: 84 Resp: 4998
Ion Ratio Lower Upper
84 100
49 121.9 98.4 147.6
51 35.2 30.4 45.6
86 52.3 45.7 68.5



#25
2-Butanone
Concen: 1.668 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

Tgt Ion: 43 Resp: 4163
Ion Ratio Lower Upper
43 100
72 30.8 20.2 30.4#





#29

Tetrahydrofuran

Concen: 0.705 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

OK-03-090120

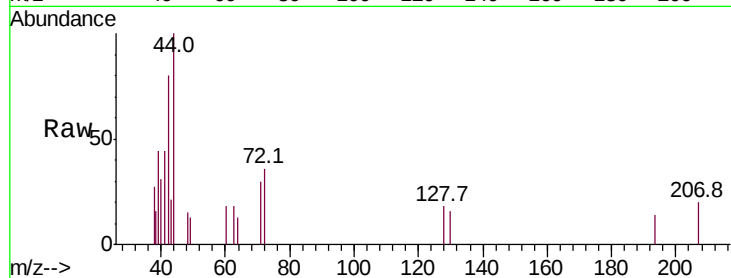
Tot Ion: 42 Resp: 1216

Ion Ratio Lower Upper

42 100

72 43.4 33.9 50.9

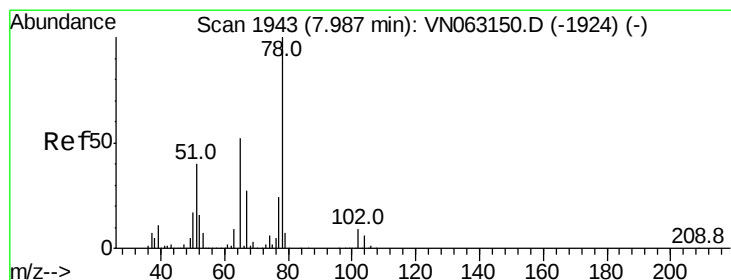
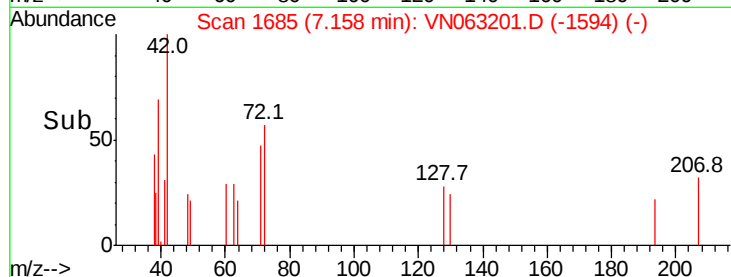
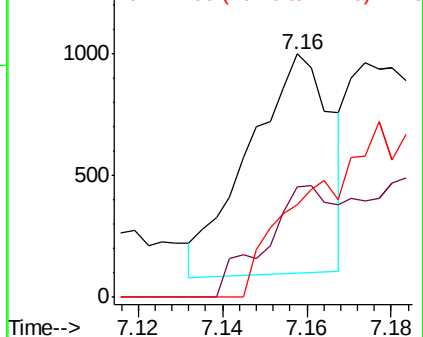
71 0.0 31.9 47.9#



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



#33

1,2-Dichloroethane-d4

Concen: 48.734 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063201.D

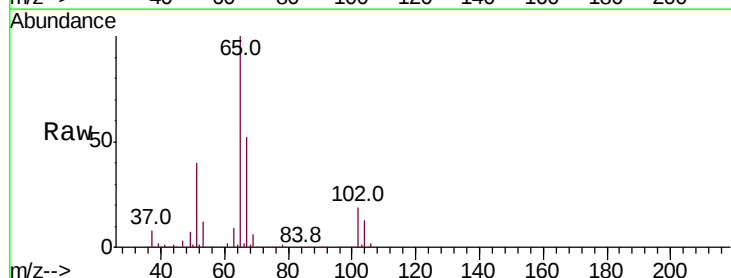
Acq: 2 Sep 2020 17:52

Tgt Ion: 65 Resp: 276284

Ion Ratio Lower Upper

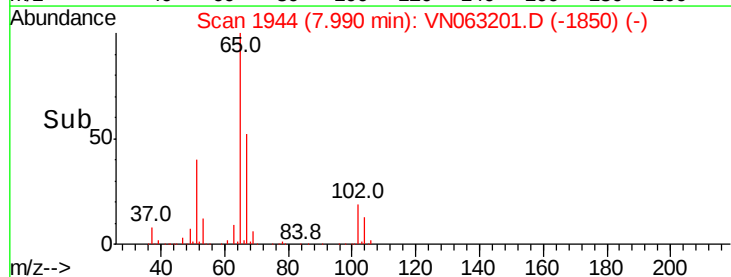
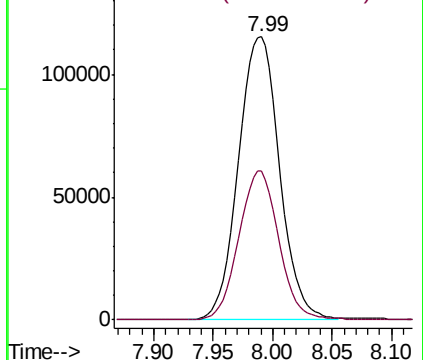
65 100

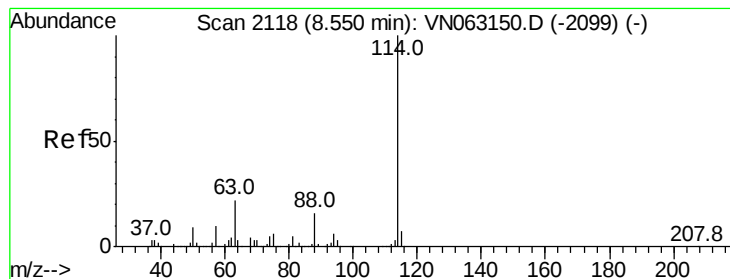
67 50.8 0.0 104.4



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# 2118

Delta R.T. -0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

OK-03-090120

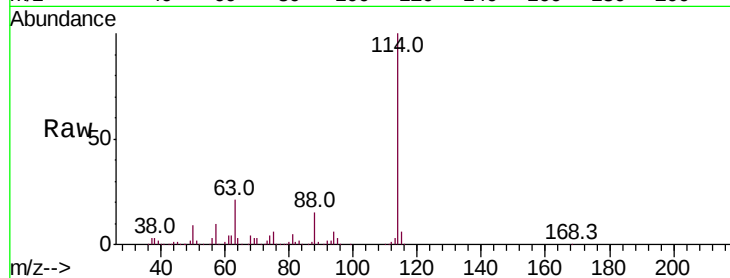
Tot Ion:114 Resp: 672717

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 15.2 0.0 31.6



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

400000

300000

200000

100000

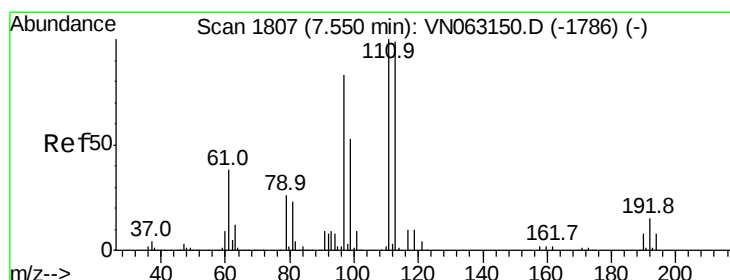
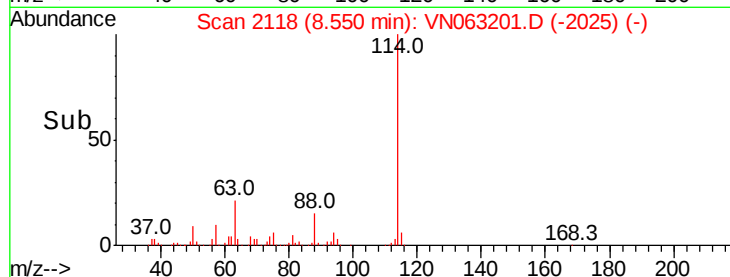
0

8.55

8.60

8.70

Time-->



#35

Dibromofluoromethane

Concen: 49.373 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

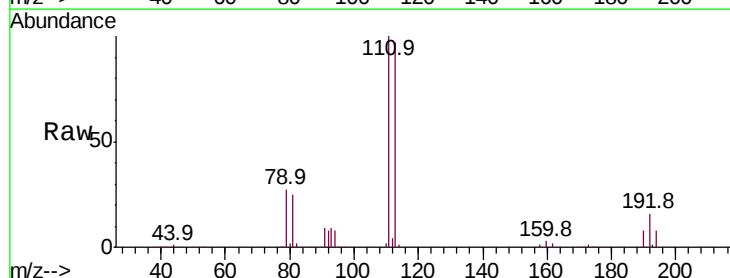
Tgt Ion:113 Resp: 213087

Ion Ratio Lower Upper

113 100

111 104.4 80.7 121.1

192 16.1 12.6 19.0



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

120000

100000

80000

60000

40000

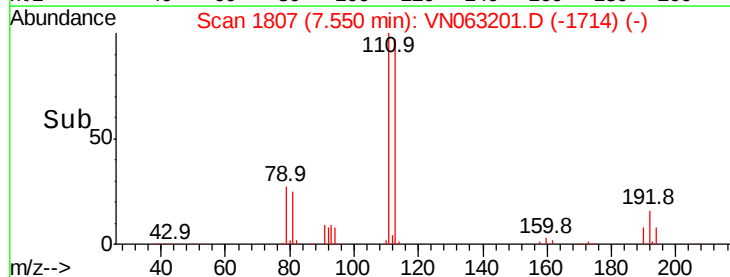
20000

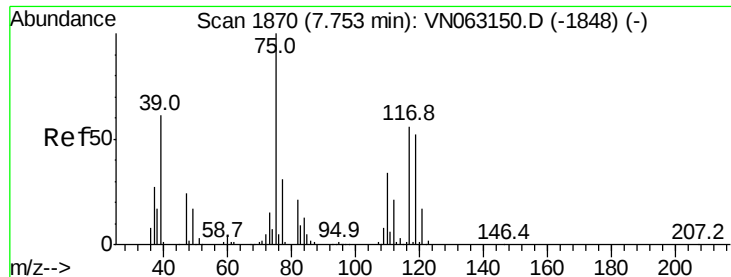
0

7.55

7.60

Time-->





#36

1,1-Dichloropropene

Concen: 5.029 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

OK-03-090120

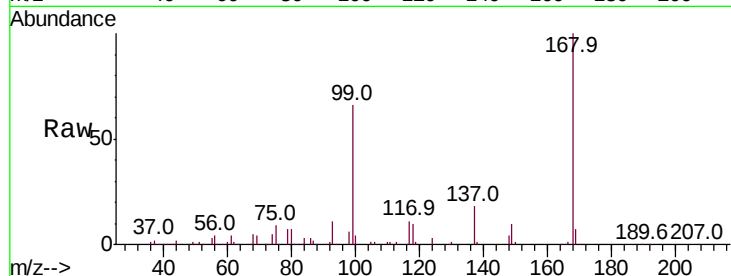
Tot Ion: 75 Resp: 32523

Ion Ratio Lower Upper

75 100

110 4.6 16.6 49.8#

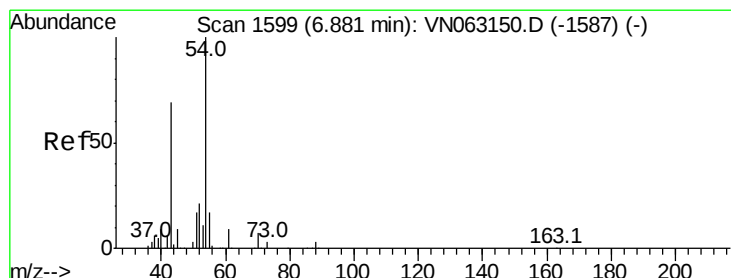
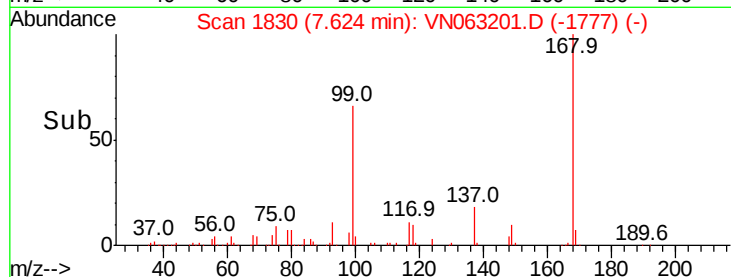
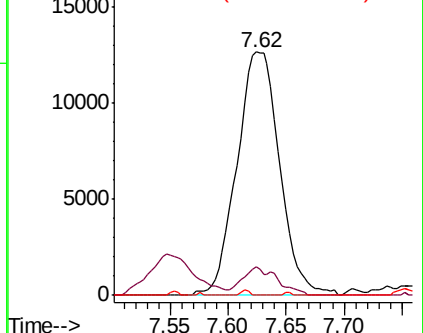
77 0.4 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.406 ug/l

RT: 6.87 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

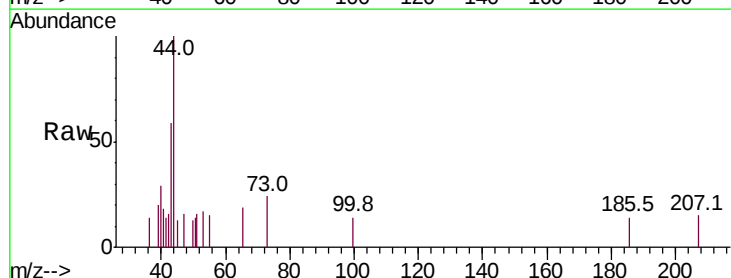
Tgt Ion: 43 Resp: 157

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

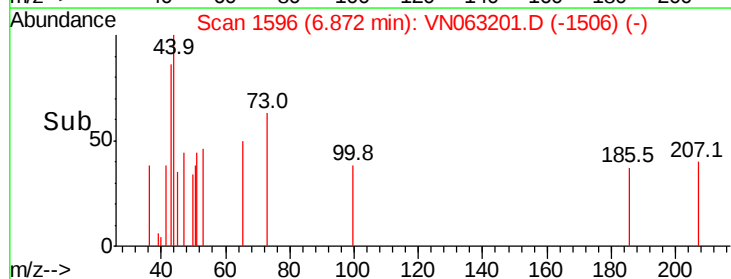
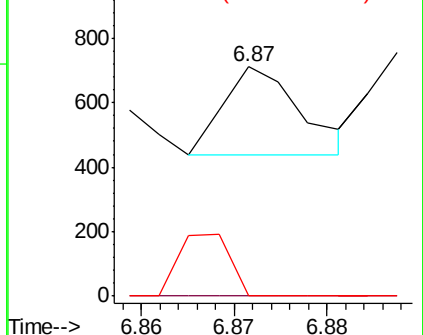
70 46.5 3.0 4.6#

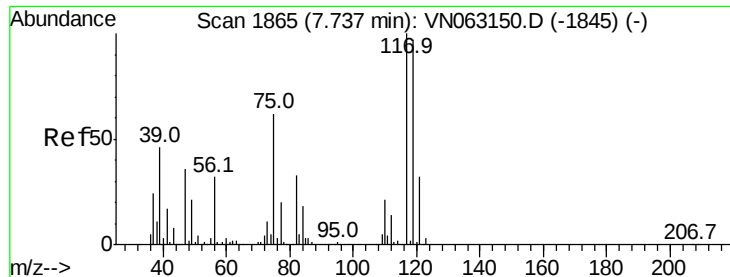


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.816 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

OK-03-090120

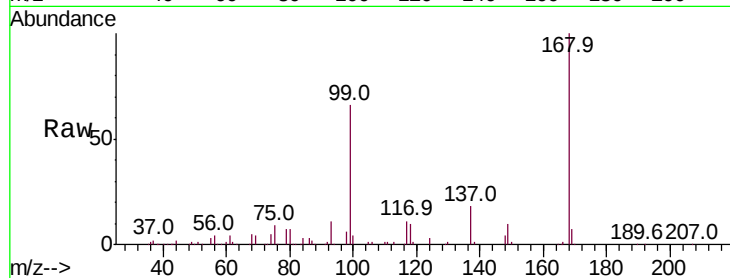
Tot Ion:117 Resp: 38142

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

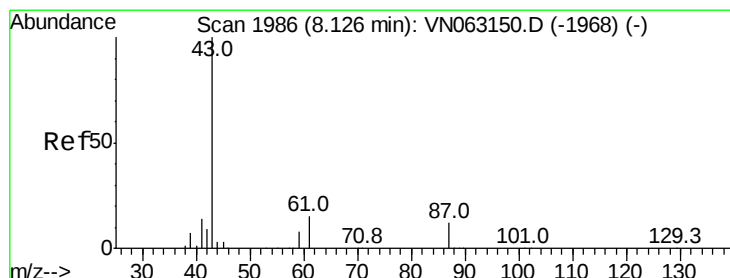
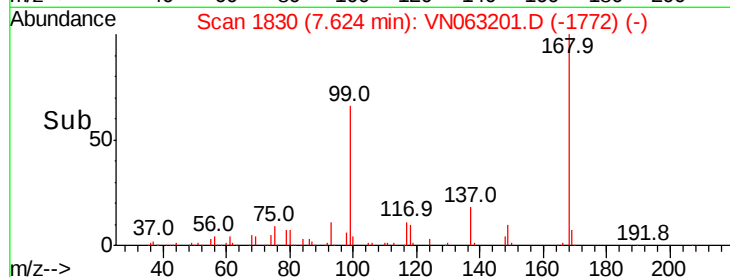
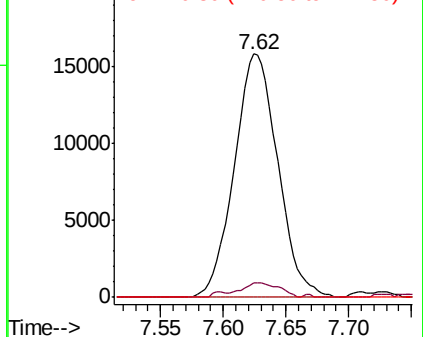
121 0.0 25.6 38.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 7.581 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

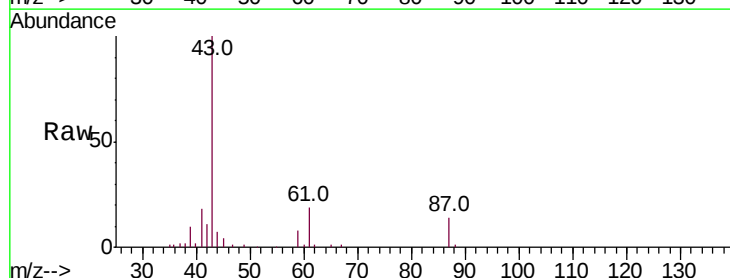
Tgt Ion: 43 Resp: 79957

Ion Ratio Lower Upper

43 100

61 19.9 20.2 30.4#

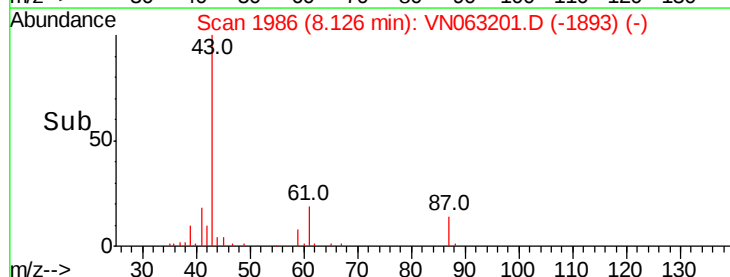
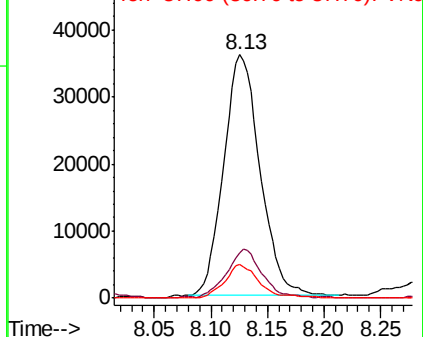
87 12.5 9.8 14.6

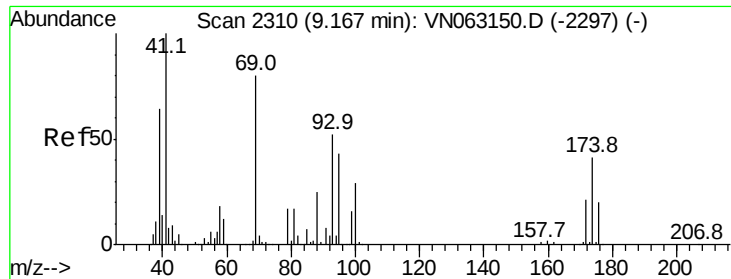


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

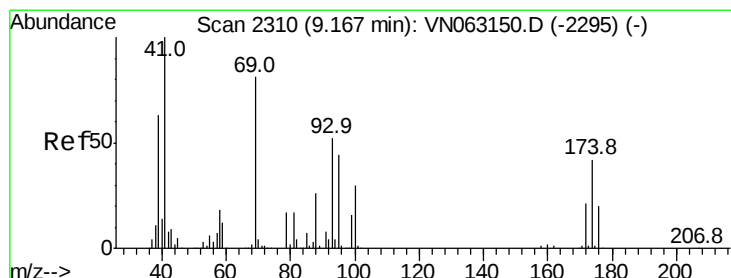
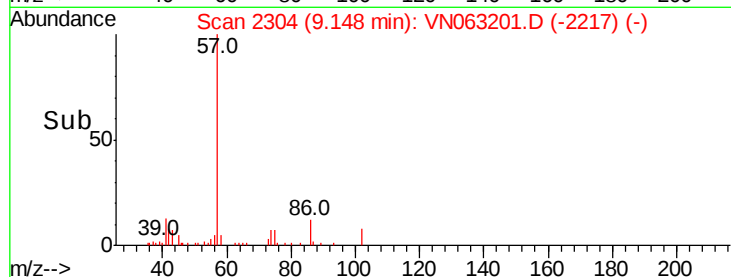
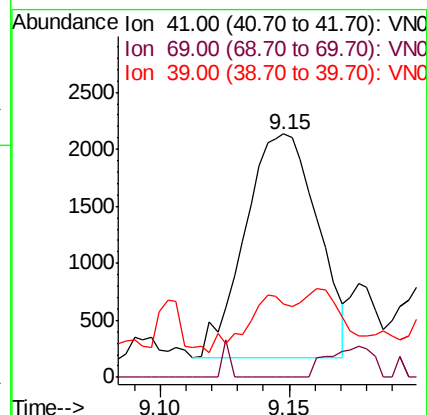
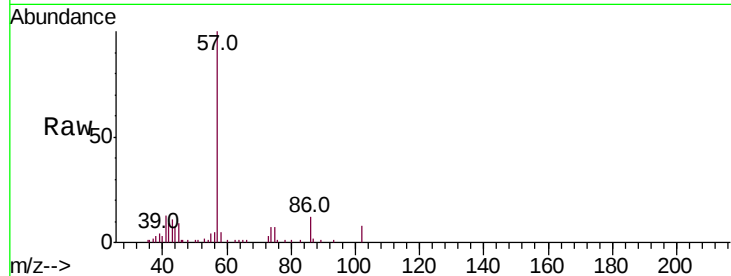




#48
Methvl methacrylate
Concen: 0.806 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

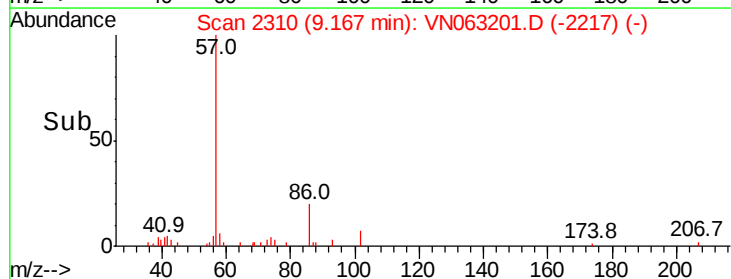
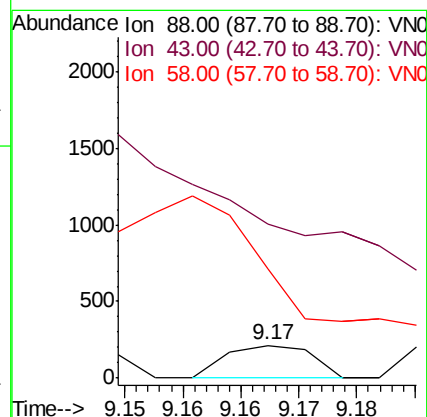
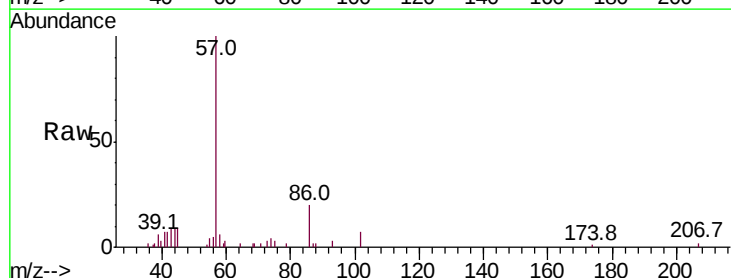
Instrument :
MSVOA_N
ClientSampled :
OK-03-090120

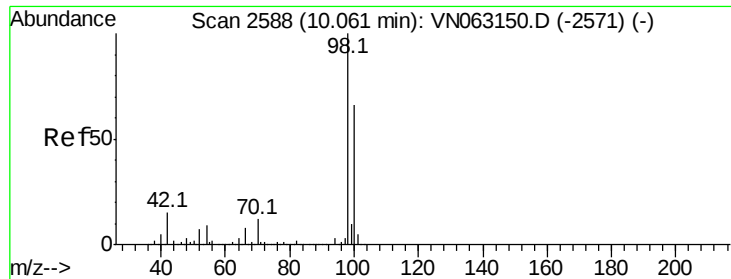
Tot Ion: 41 Resp: 3834
Ion Ratio Lower Upper
41 100
69 0.0 65.9 98.9#
39 0.0 52.0 78.0#



#49
1,4-Dioxane
Concen: 1.482 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 0.0 53.2 79.8#

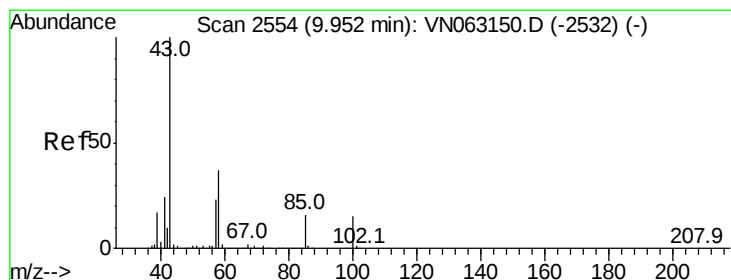
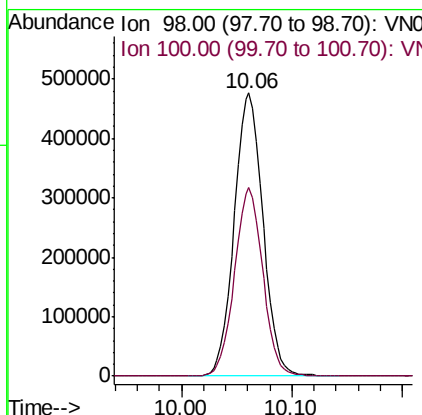
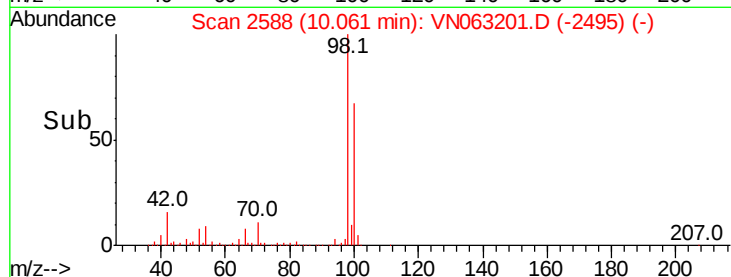
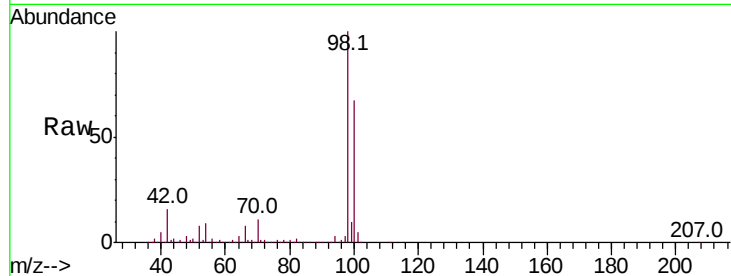




#50
Toluene-d8
Concen: 51.857 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

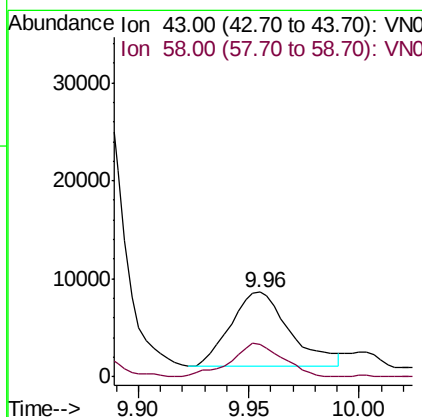
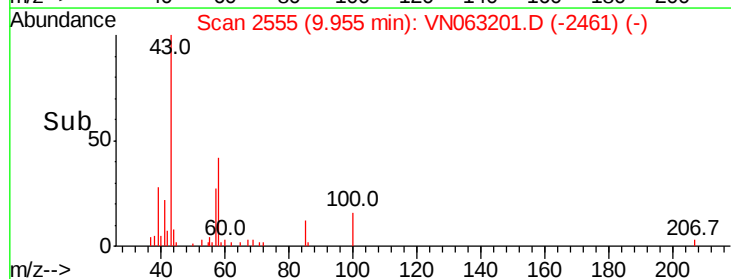
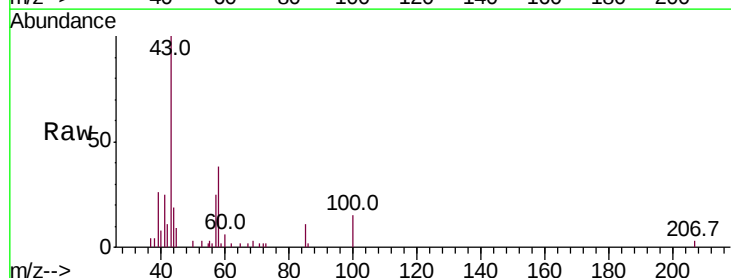
Instrument :
MSVOA_N
ClientSampled :
OK-03-090120

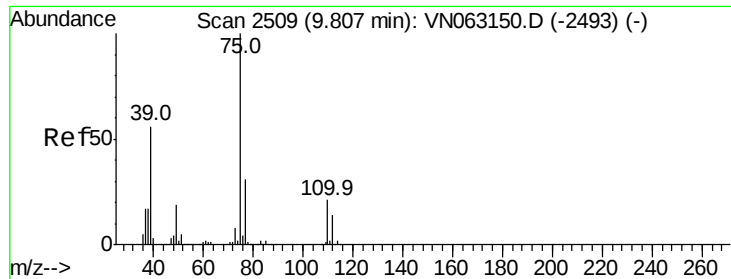
Tot Ion: 98 Resp: 861424
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.476 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

Tgt Ion: 43 Resp: 14189
Ion Ratio Lower Upper
43 100
58 39.5 29.2 43.8





#54

cis-1,3-Dichloropropene

Concen: 4.681 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

OK-03-090120

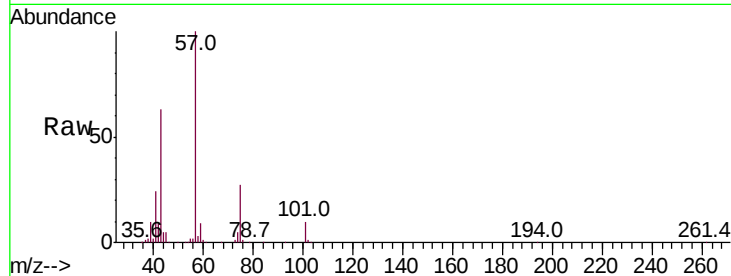
Tot Ion: 75 Resp: 38418

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

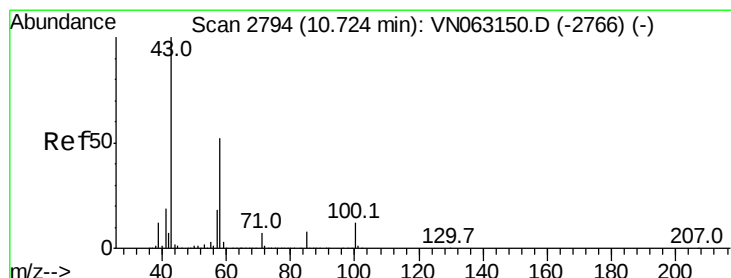
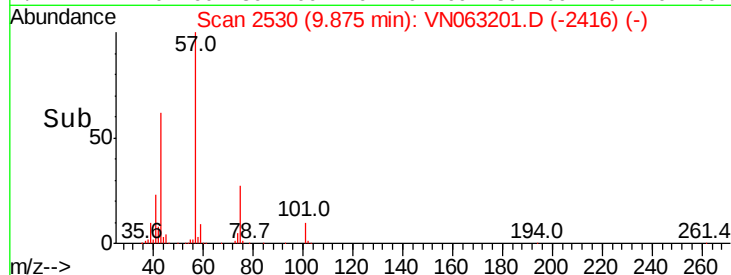
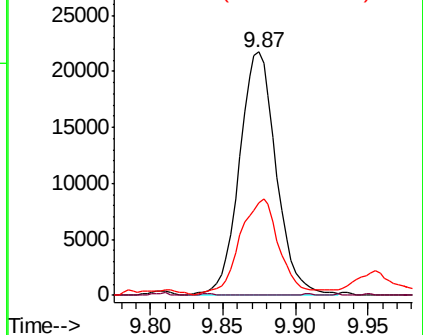
39 37.2 45.0 67.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 14.972 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.01 min

Lab File: VN063201.D

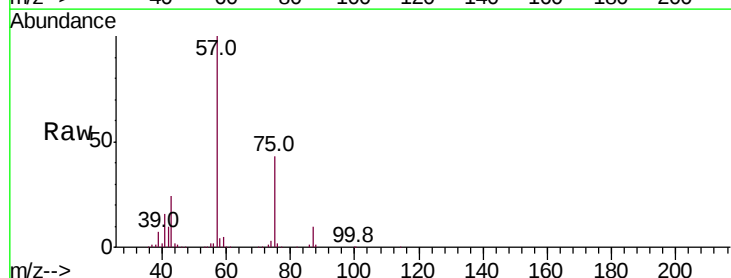
Acq: 2 Sep 2020 17:52

Tgt Ion: 43 Resp: 60306

Ion Ratio Lower Upper

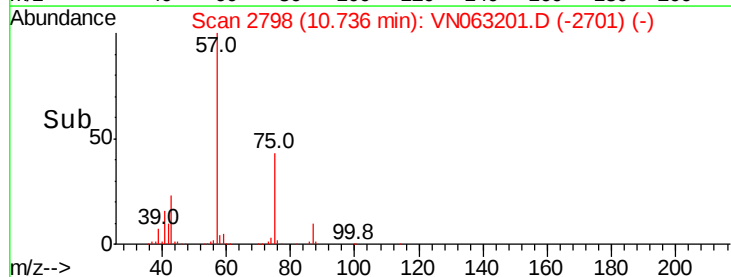
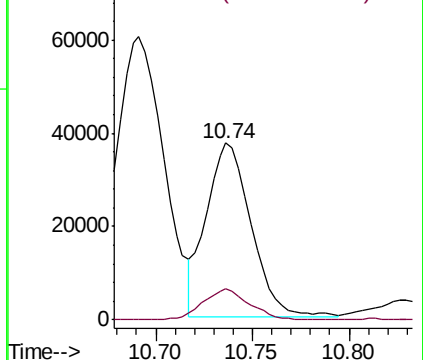
43 100

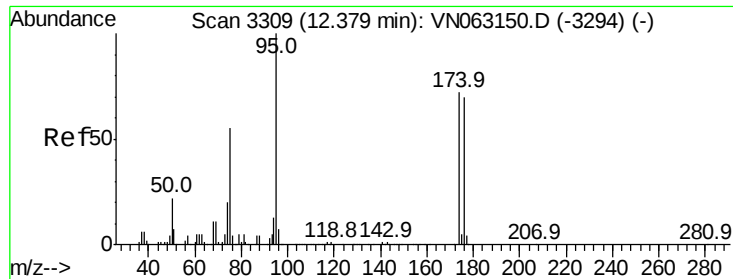
58 18.5 25.9 77.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

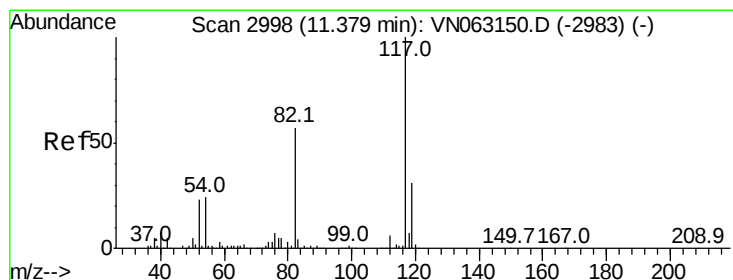
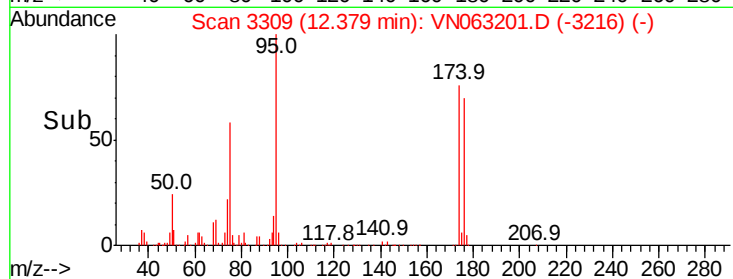
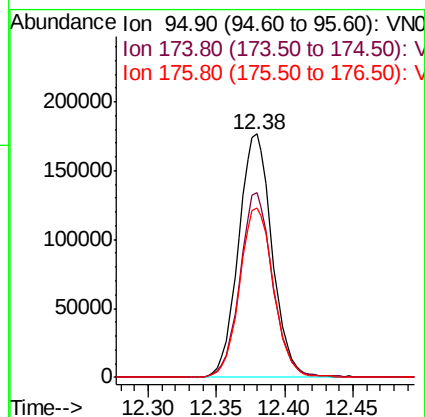
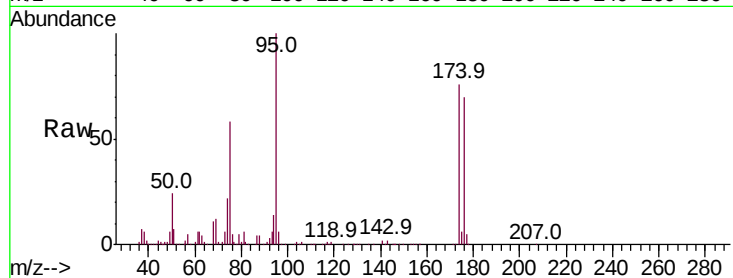




#62
4-Bromofluorobenzene
Concen: 51.827 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. -0.00 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

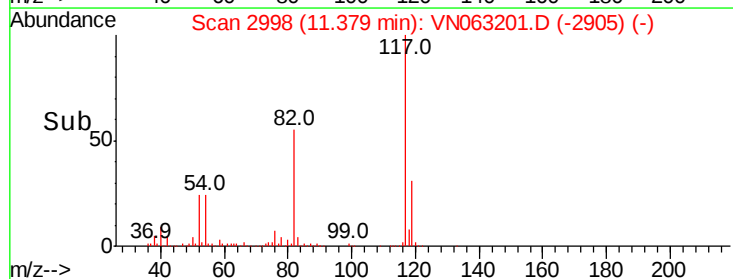
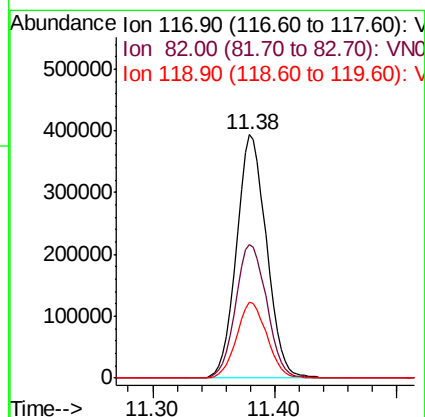
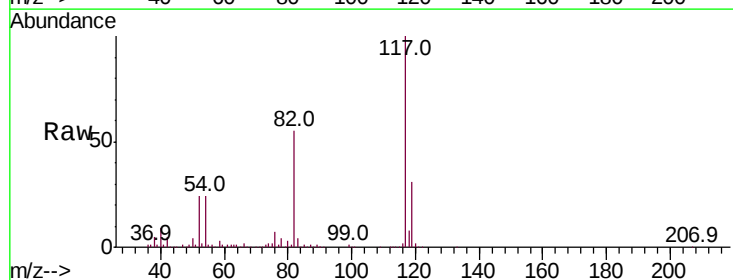
Instrument :
MSVOA_N
ClientSampleId :
OK-03-090120

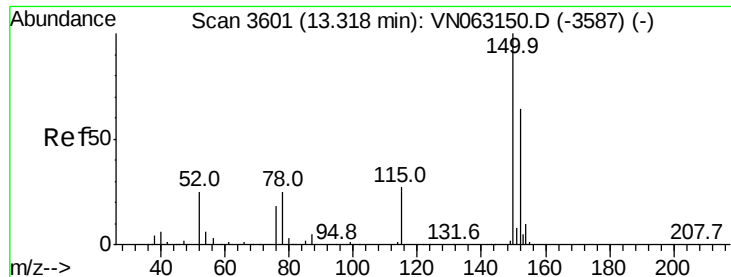
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	143.8
176	70.6	0.0	138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.4	68.0
119	31.1	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

OK-03-090120

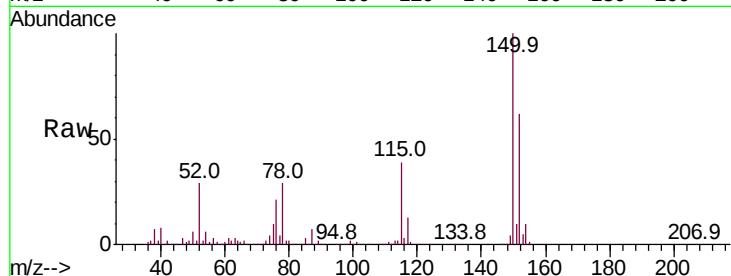
Tot Ion:152 Resp: 251757

Ion Ratio Lower Upper

152 100

115 63.6 32.0 96.2

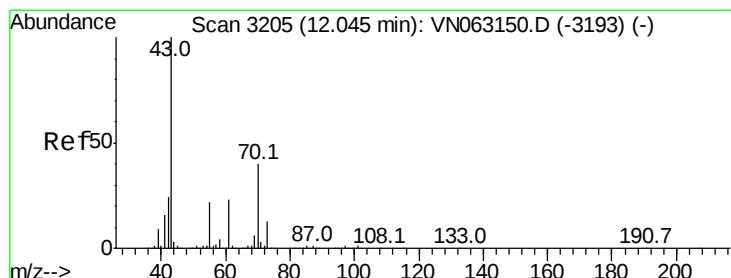
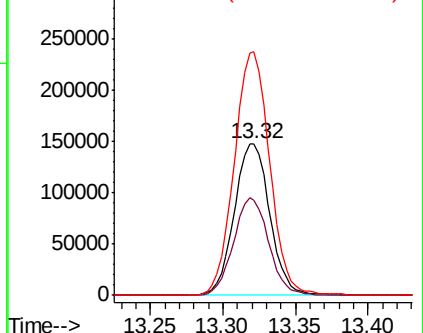
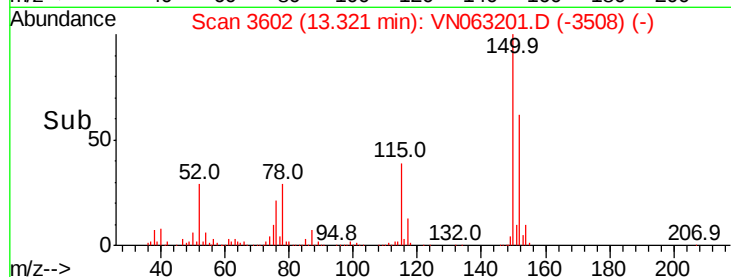
150 160.8 0.0 353.0



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



#74

N-ethyl acetate

Concen: 0.425 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Tgt Ion: 43 Resp: 3402

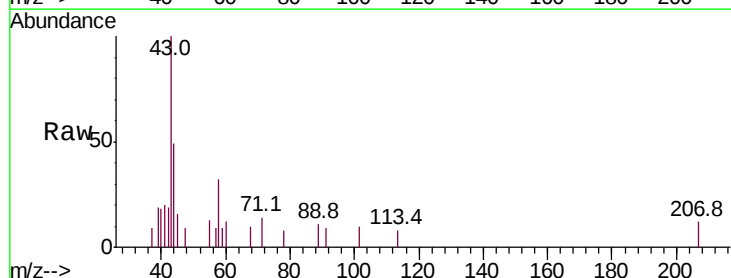
Ion Ratio Lower Upper

43 100

70 1.9 32.1 48.1#

55 9.9 17.4 26.0#

61 2.0 18.6 27.8#

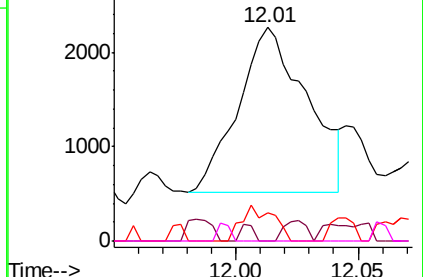
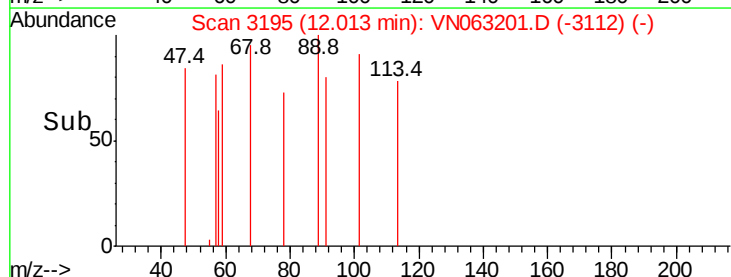


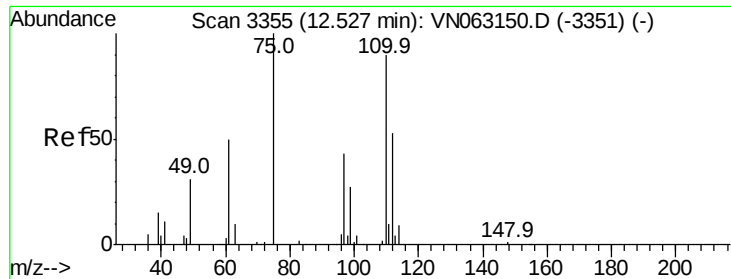
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

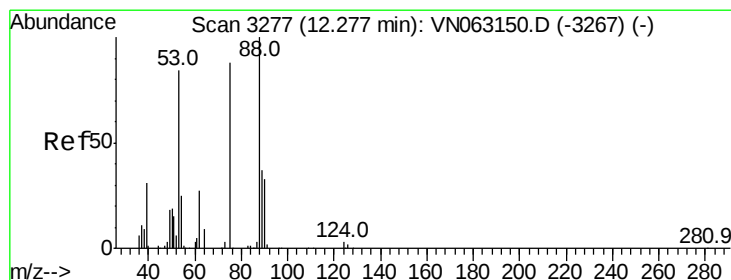
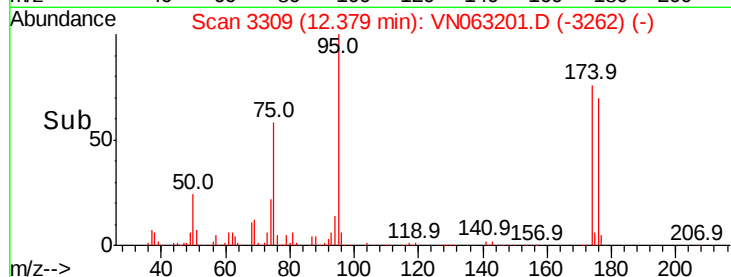
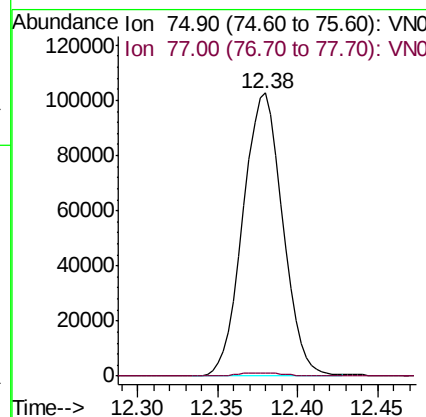
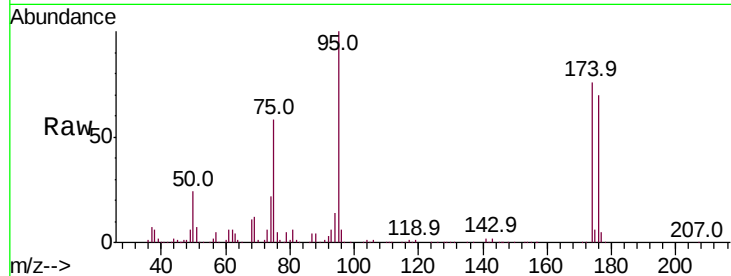




#76
 1,2,3-Trichloropropane
 Concen: 35.285 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. -0.15 min
 Lab File: VN063201.D
 Acq: 2 Sep 2020 17:52

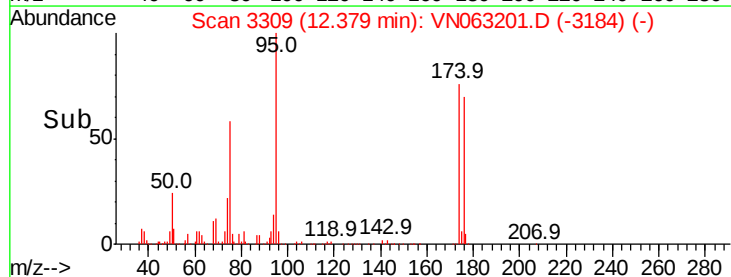
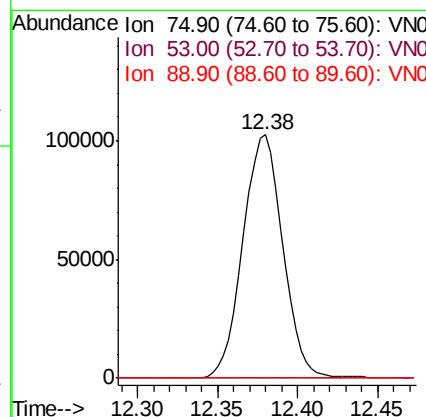
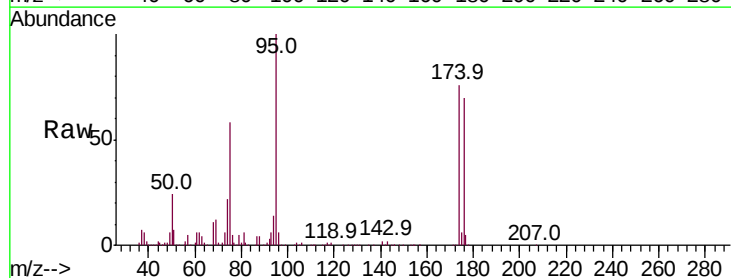
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-090120

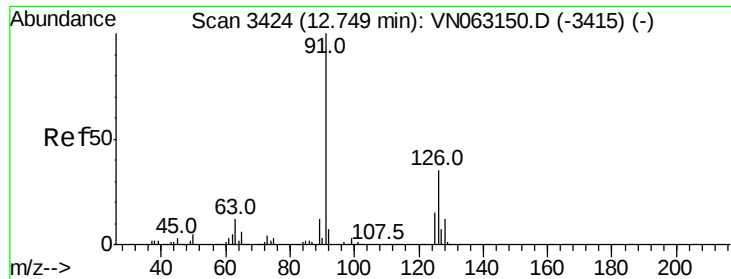
Tot Ion: 75 Resp: 174535
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.282 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. 0.10 min
 Lab File: VN063201.D
 Acq: 2 Sep 2020 17:52

Tgt Ion: 75 Resp: 174535
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.7 118.1#
 89 0.1 35.3 52.9#





#82

4-Chlorotoluene

Concen: 0.200 ug/l

RT: 12.75 min Scan# 3425

Delta R.T. 0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

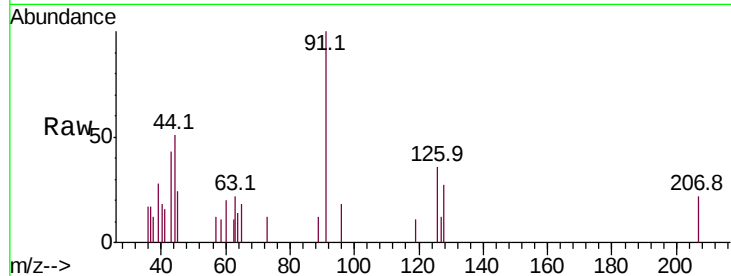
OK-03-090120

Tot Ion: 91 Resp: 2781

Ion Ratio Lower Upper

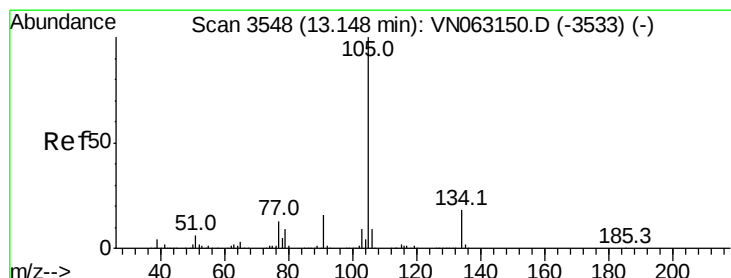
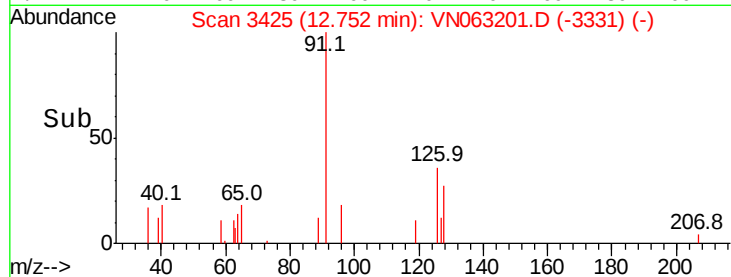
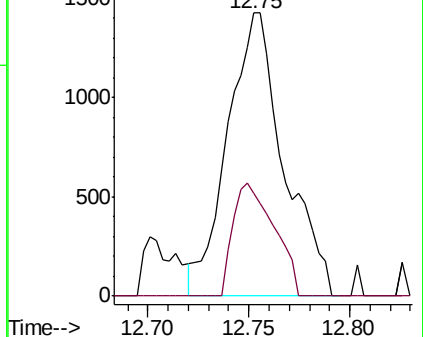
91 100

126 29.5 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN063201.D (-3425) (-)

Ion 125.90 (125.60 to 126.60): VN063201.D (-3425) (-)



#85

sec-Butylbenzene

Concen: 0.205 ug/l

RT: 13.15 min Scan# 3549

Delta R.T. 0.00 min

Lab File: VN063201.D

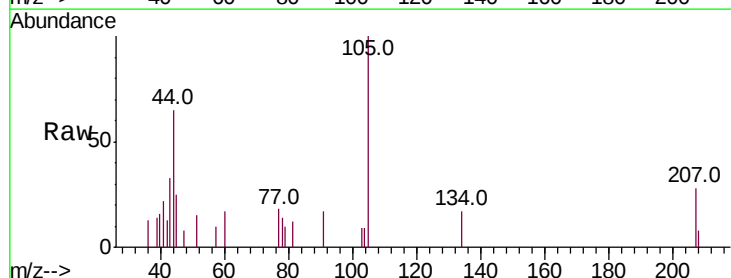
Acq: 2 Sep 2020 17:52

Tgt Ion:105 Resp: 3691

Ion Ratio Lower Upper

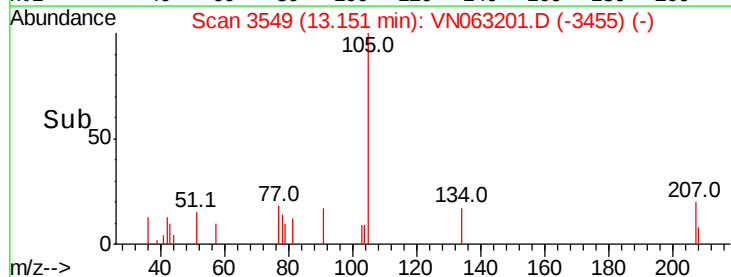
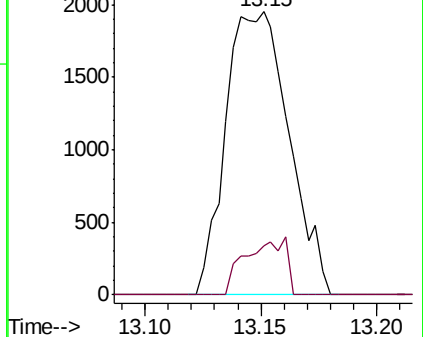
105 100

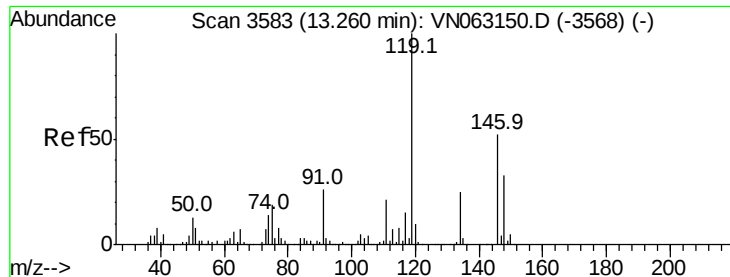
134 12.8 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): VN063201.D (-3548) (-)

Ion 134.00 (133.70 to 134.70): VN063201.D (-3548) (-)

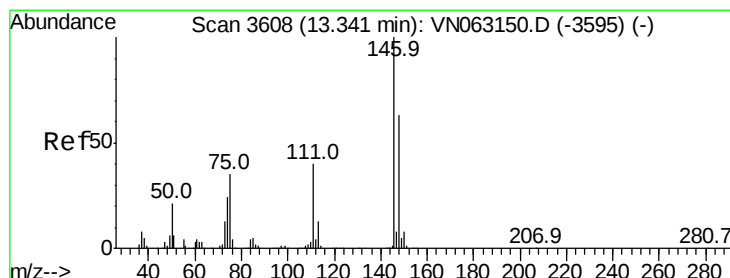
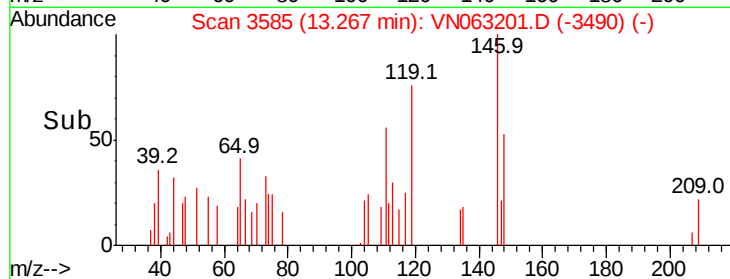
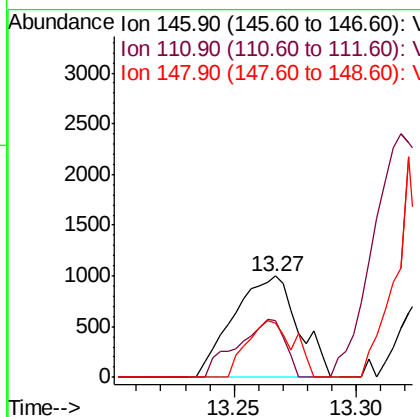
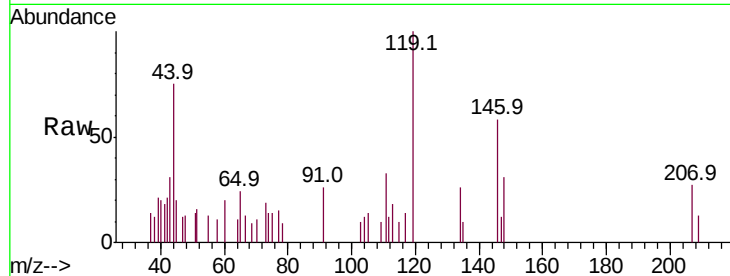




#87
 1,3-Dichlorobenzene
 Concen: 0.228 ug/l
 RT: 13.27 min Scan# 3585
 Delta R.T. 0.01 min
 Lab File: VN063201.D
 Acq: 2 Sep 2020 17:52

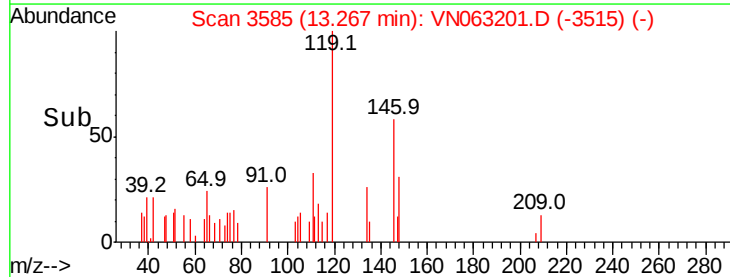
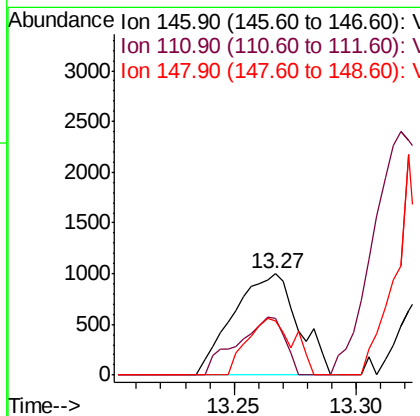
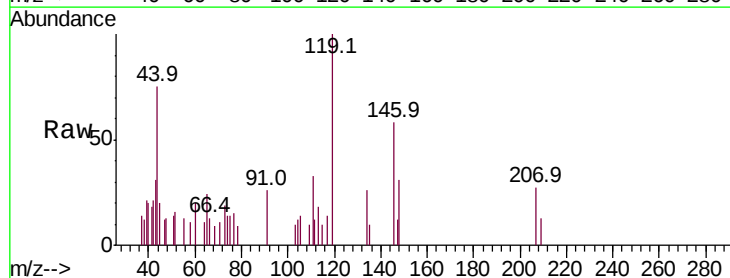
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-090120

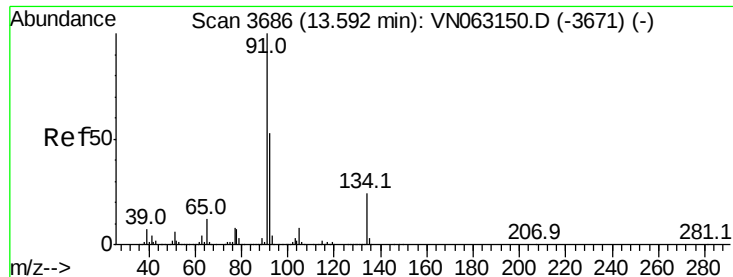
Tot Ion:146 Resp: 1828
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.3 63.7
 148 40.1 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.27 min Scan# 3585
 Delta R.T. -0.07 min
 Lab File: VN063201.D
 Acq: 2 Sep 2020 17:52

Tgt Ion:146 Resp: 1828
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.5 61.5
 148 40.1 31.9 95.7

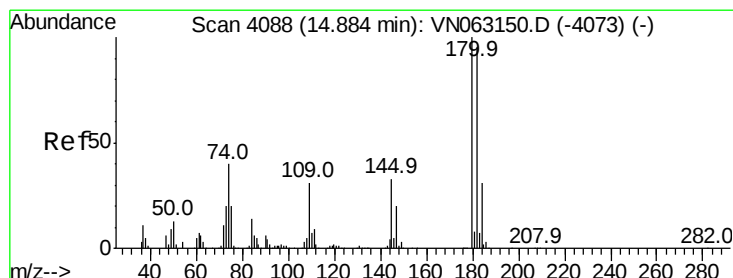
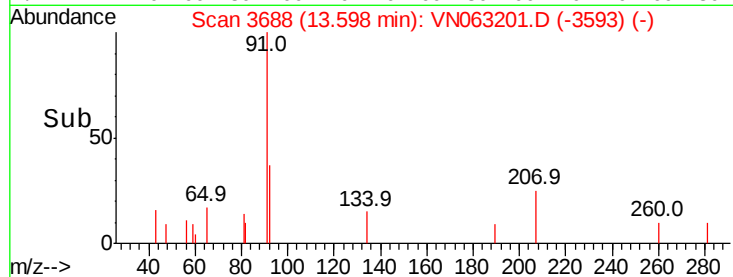
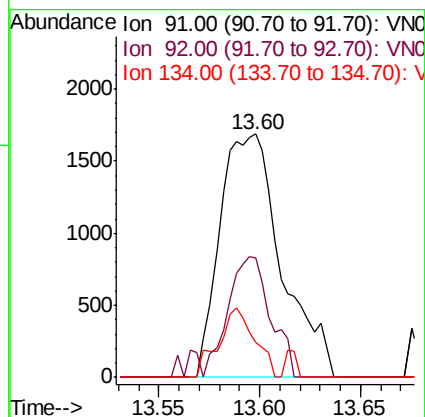
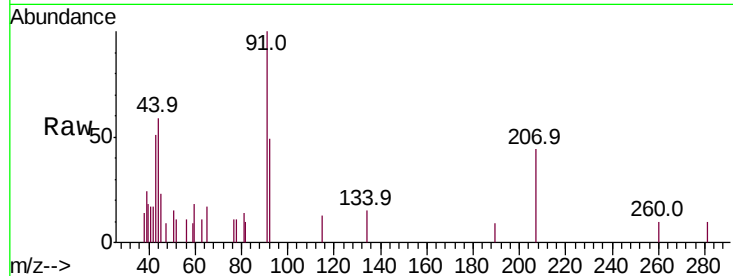




#89
n-Butylbenzene
Concen: 0.243 ug/l
RT: 13.60 min Scan# 3688
Delta R.T. 0.01 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

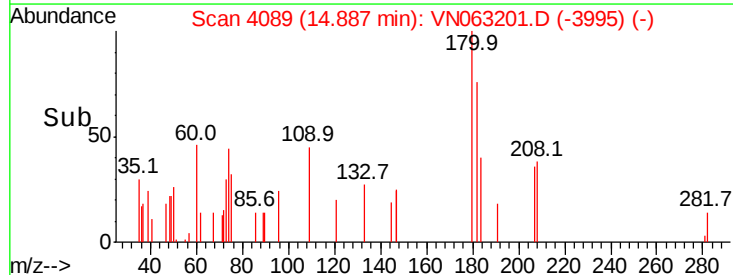
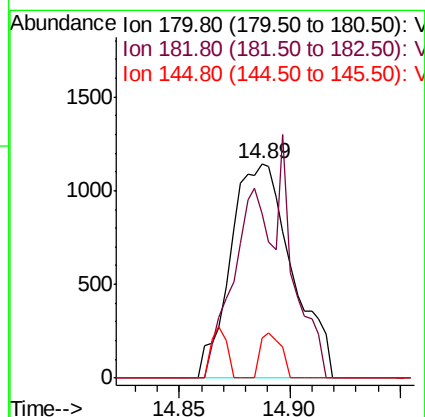
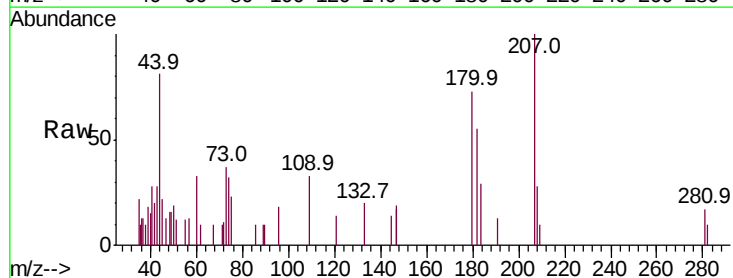
Instrument :
MSVOA_N
ClientSampleId :
OK-03-090120

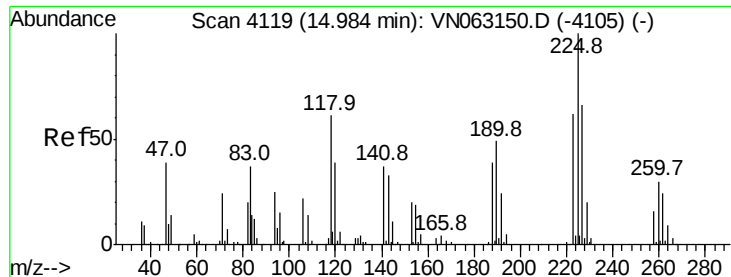
Tot Ion: 91 Resp: 3582
Ion Ratio Lower Upper
91 100
92 34.6 26.3 78.8
134 16.6 12.0 36.0



#93
1,2,4-Trichlorobenzene
Concen: 0.508 ug/l
RT: 14.89 min Scan# 4089
Delta R.T. 0.00 min
Lab File: VN063201.D
Acq: 2 Sep 2020 17:52

Tgt Ion: 180 Resp: 2211
Ion Ratio Lower Upper
180 100
182 55.9 47.5 142.5
145 7.1 16.6 49.8#





#94

Hexachlorobutadiene

Concen: 0.413 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

OK-03-090120

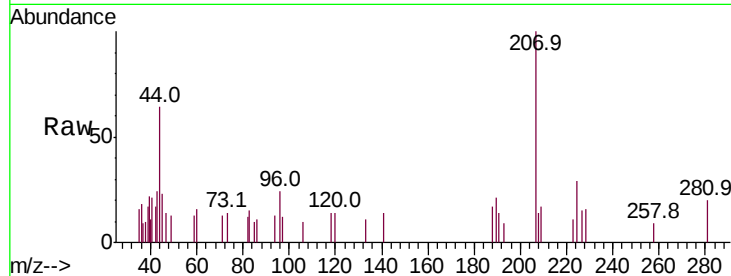
Tot Ion:225 Resp: 671

Ion Ratio Lower Upper

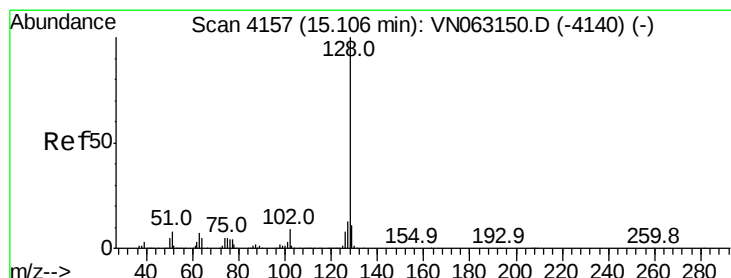
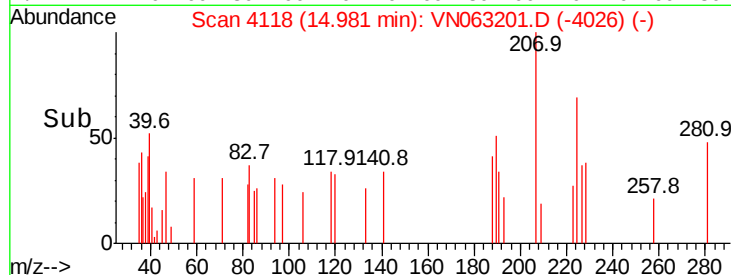
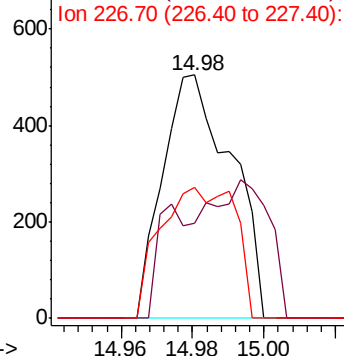
225 100

223 18.6 30.9 92.7#

227 58.7 32.9 98.7



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: 0.648 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.00 min

Lab File: VN063201.D

Acq: 2 Sep 2020 17:52

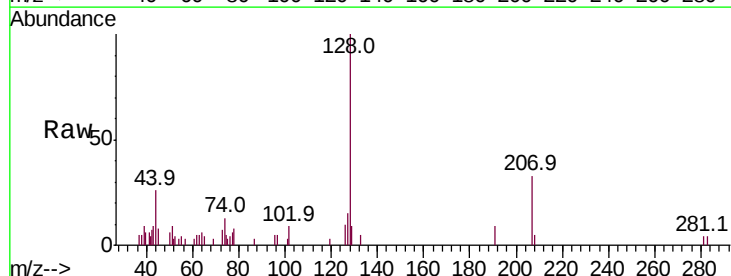
Tgt Ion:128 Resp: 9397

Ion Ratio Lower Upper

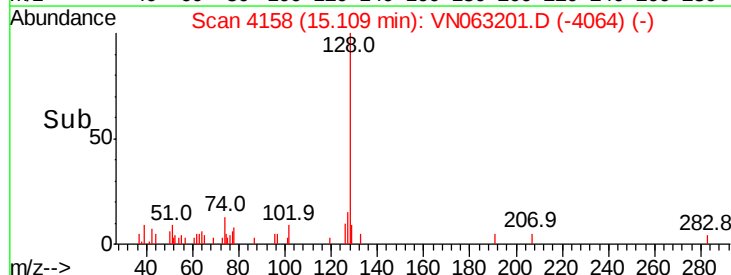
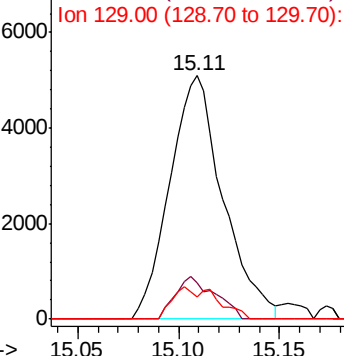
128 100

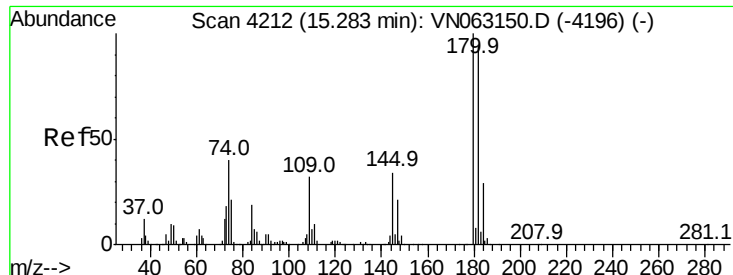
127 13.1 10.5 15.7

129 6.0 8.6 13.0#



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: 0.598 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN063201.D
 Acq: 2 Sep 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-090120

Tot Ion:180 Resp: 2532
 Ion Ratio Lower Upper
 180 100
 182 77.0 47.5 142.5
 145 36.0 17.3 52.0

