

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064141.D
 Acq On : 15 Oct 2020 14:19
 Operator : JC/MD
 Sample : L4403-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SHELL-L15-L14-NORTH

Quant Time: Oct 16 02:23:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	273255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	517356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	534401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	210084	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.55	113	181081	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.06	98	650572	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.38	95	231385	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	838	0.325	ug/l	81
3) Chloromethane	2.04	50	2905	0.906	ug/l	90
5) Bromomethane	2.55	94	2171	0.725	ug/l	86
11) Tert butyl alcohol	4.73	59	204	0.473	ug/l #	91
13) Acrolein	3.57	56	504	1.424	ug/l #	22
16) Acetone	3.78	43	46053	39.895	ug/l	95
17) Carbon Disulfide	4.02	76	8450	1.086	ug/l	99
18) Methyl Acetate	4.27	43	645	0.223	ug/l #	71
20) Methylene Chloride	4.50	84	1045	0.293	ug/l #	65
25) 2-Butanone	6.79	43	7989	4.500	ug/l	99
29) Tetrahydrofuran	7.17	42	278	0.268	ug/l #	89
31) Cyclohexane	7.63	56	7415	1.724	ug/l #	29
36) 1,1-Dichloropropene	7.62	75	22620	4.536	ug/l #	49
38) Carbon Tetrachloride	7.63	117	29243	5.454	ug/l #	16
40) Benzene	8.00	78	11970	0.793	ug/l	94
49) 1,4-Dioxane	9.18	88	29	0.563	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	1863	0.429	ug/l #	85
52) Toluene	10.12	92	2674	0.288	ug/l	93
56) Ethyl methacrylate	10.34	69	31	2.304	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.67	63	67	12.242	ug/l #	48
59) 2-Hexanone	10.58	43	327	6.932	ug/l	64
67) Ethyl Benzene	11.49	91	30087	1.596	ug/l	99
68) m/p-Xylenes	11.59	106	42566	7.549	ug/l	96
69) o-Xylene	11.92	106	17092	3.809	ug/l	99
70) Styrene	11.93	104	4653	2.385	ug/l #	32
71) Bromoform	12.38	173	2481	2.900	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	121267	24.829	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	121267	75.857	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.02	105	5023	0.581	ug/l	98
86) p-Isopropyltoluene	13.27	119	1693	0.799	ug/l	79
89) n-Butylbenzene	13.59	91	2040	0.218	ug/l	84
93) 1,2,4-Trichlorobenzene	14.89	180	1014	3.465	ug/l #	38
94) Hexachlorobutadiene	14.99	225	502	0.310	ug/l	92
95) Naphthalene	15.10	128	43584	7.750	ug/l	98

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QLast Update : Thu Oct 15 01:16:44 2020
Response via : Initial Calibration

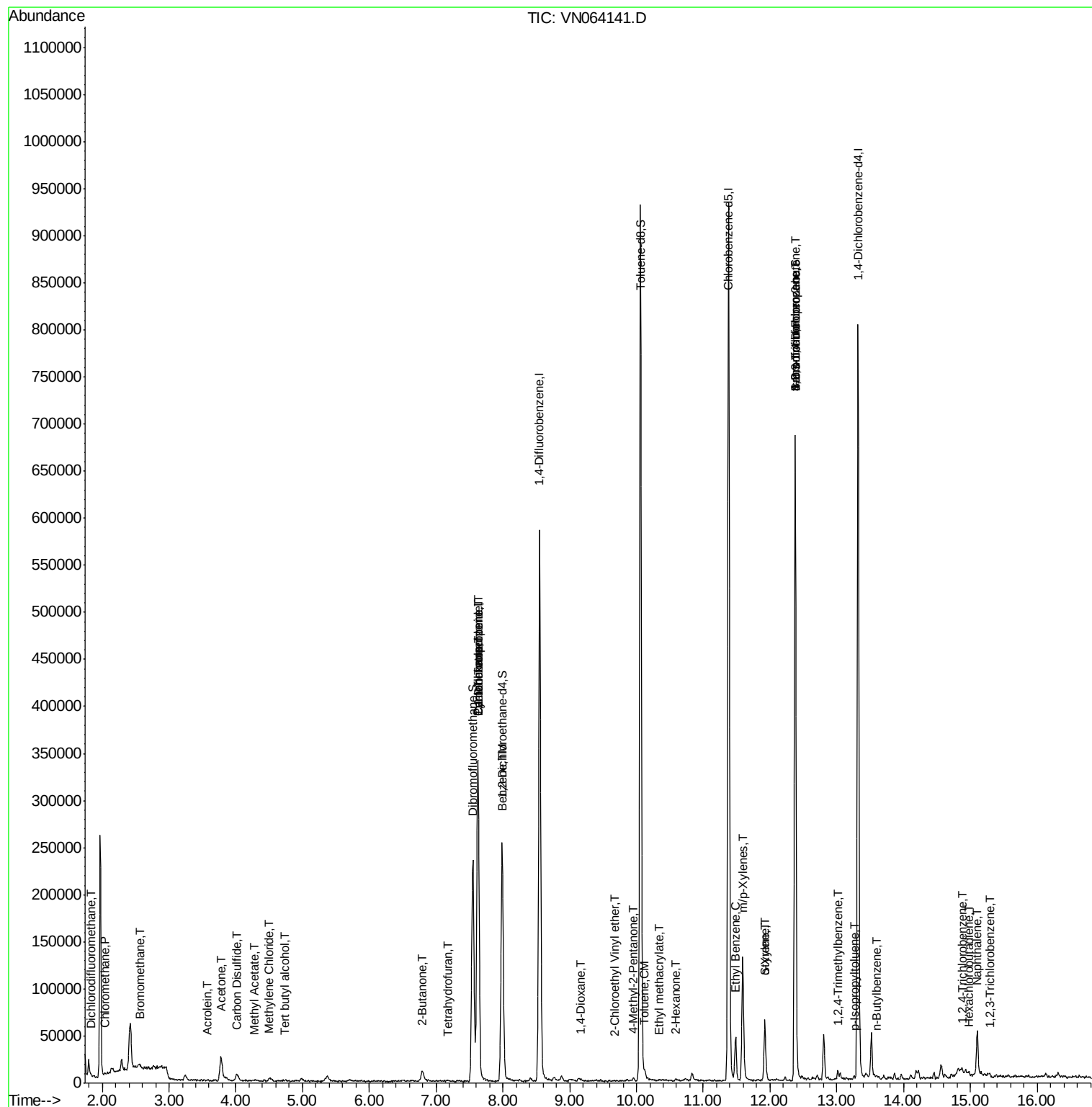
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.28	180	830	3.046	ug/l #	39

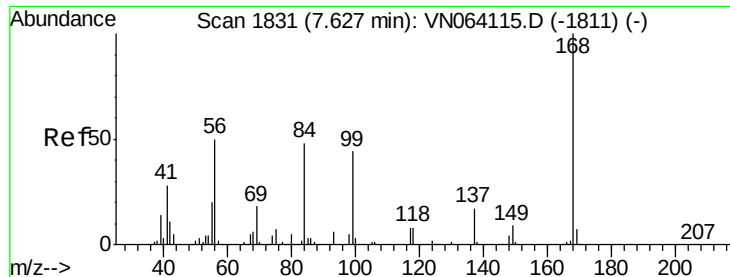
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101520\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

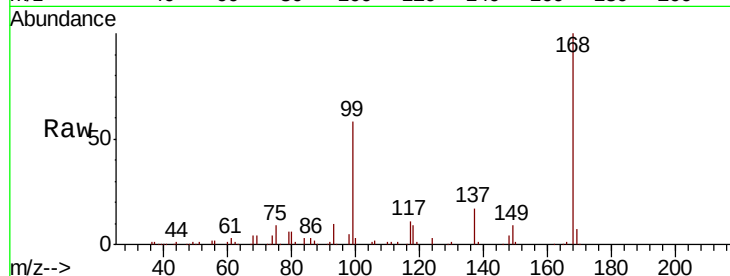
SHELL-L15-L14-NORTH

Tot Ion:168 Resp: 273255

Ion Ratio Lower Upper

168 100

99 58.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

120000

100000

80000

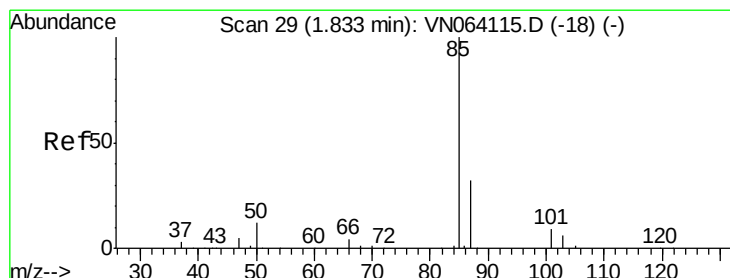
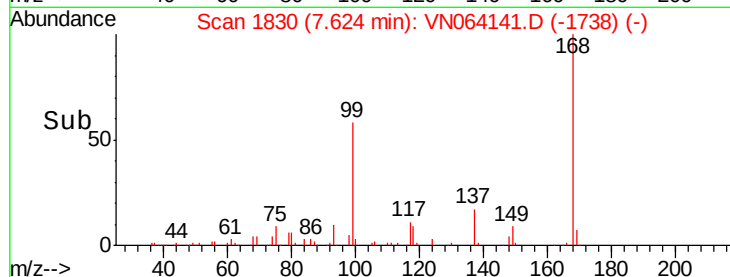
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.325 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064141.D

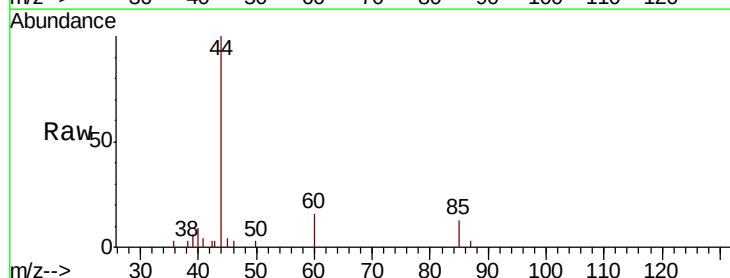
Acq: 15 Oct 2020 14:19

Tgt Ion: 85 Resp: 838

Ion Ratio Lower Upper

85 100

87 21.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

800

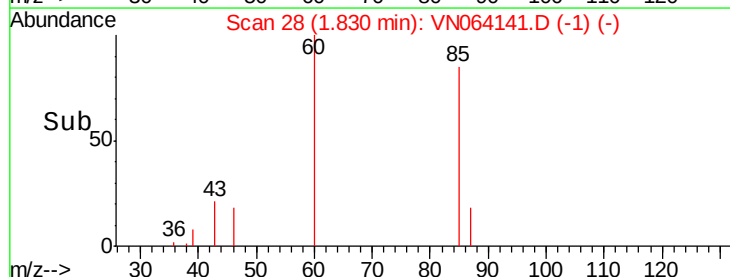
600

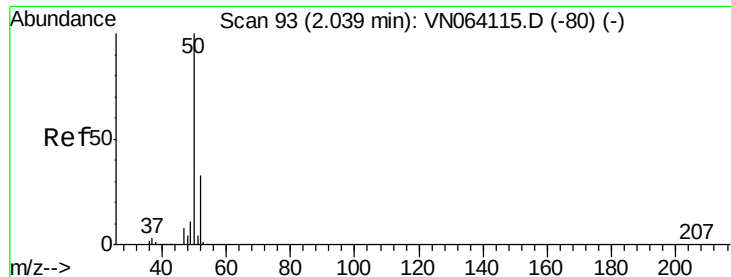
400

200

0

Time-->





#3

Chloromethane

Concen: 0.906 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

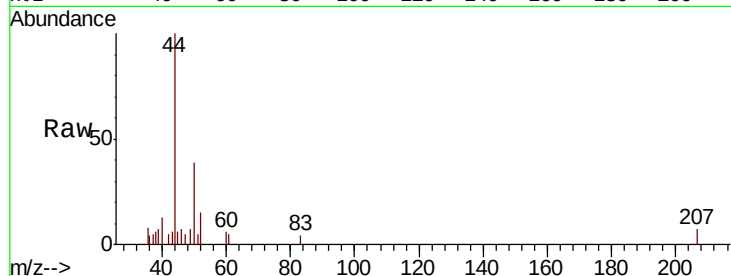
SHELL-L15-L14-NORTH

Tot Ion: 50 Resp: 2905

Ion Ratio Lower Upper

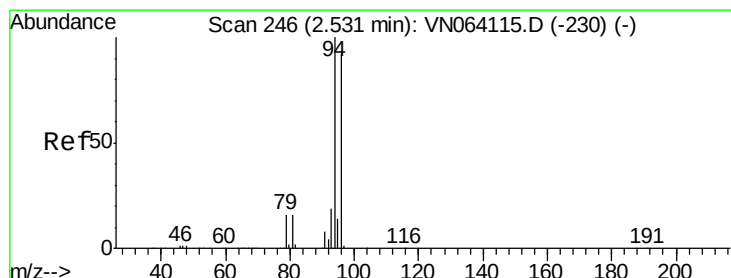
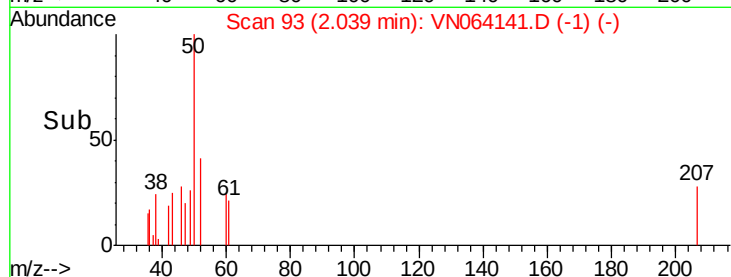
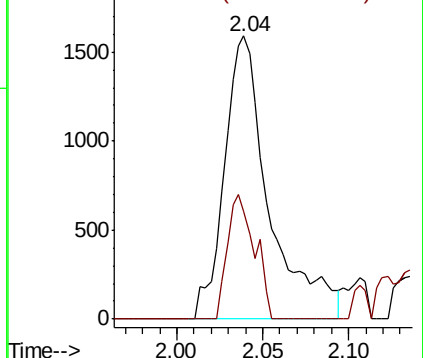
50 100

52 38.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#5

Bromomethane

Concen: 0.725 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.02 min

Lab File: VN064141.D

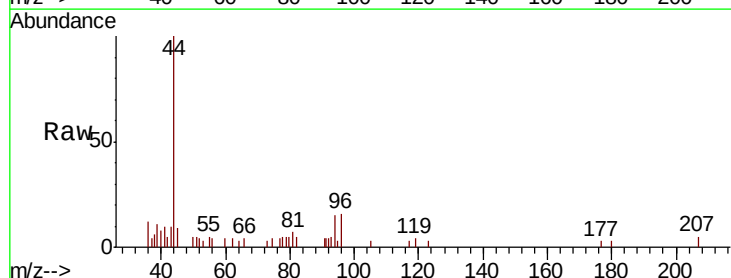
Acq: 15 Oct 2020 14:19

Tgt Ion: 94 Resp: 2171

Ion Ratio Lower Upper

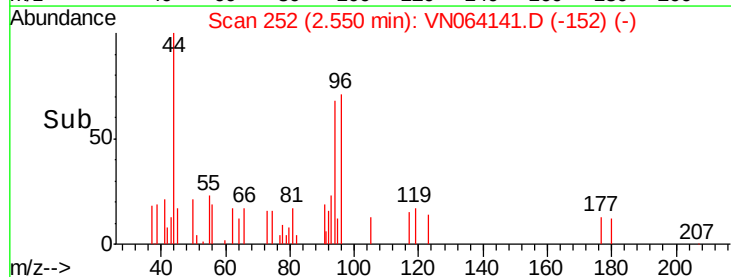
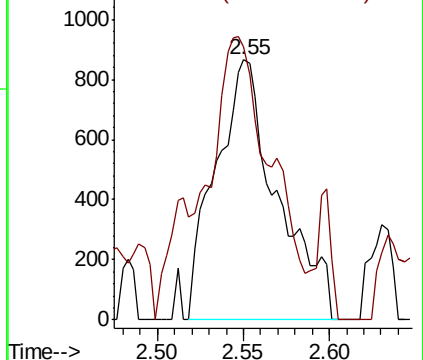
94 100

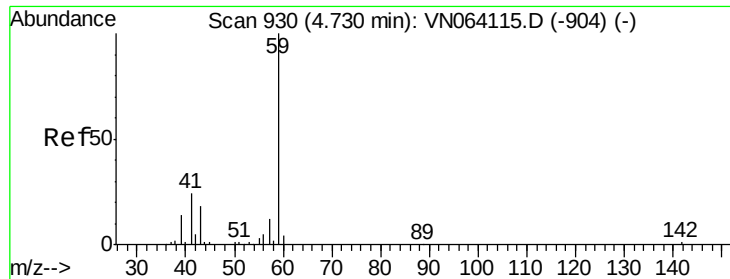
96 105.0 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

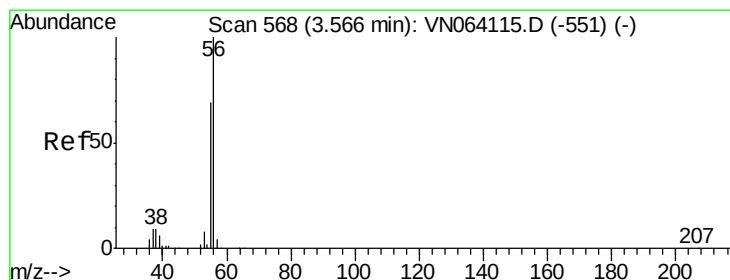
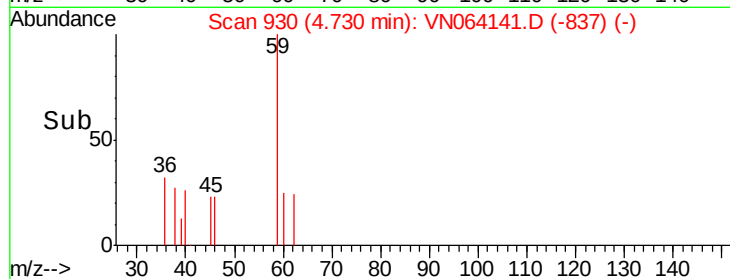
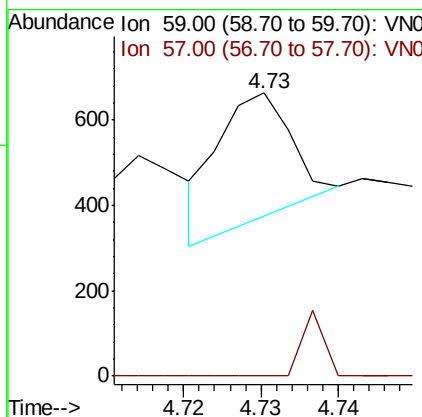
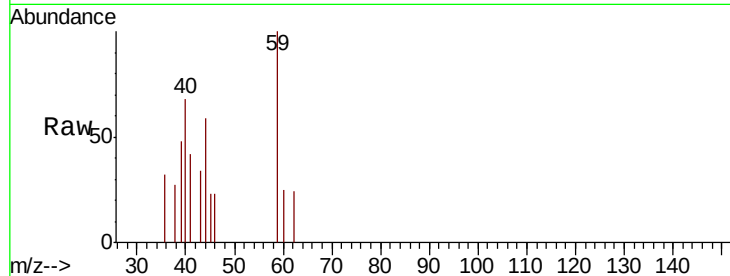




#11
Tert butyl alcohol
Concen: 0.473 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

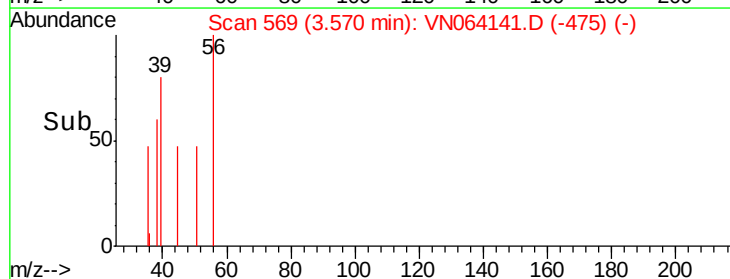
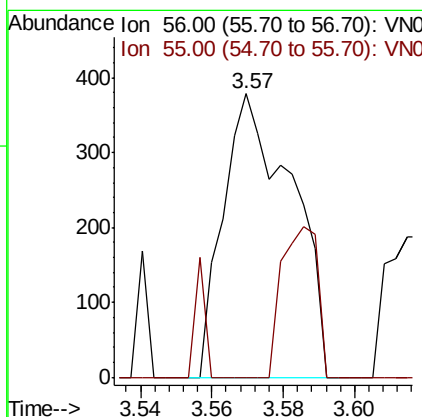
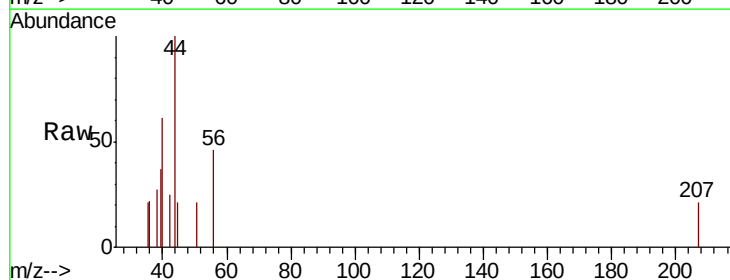
Instrument :
MSVOA_N
ClientSampleId :
SHELL-L15-L14-NORTH

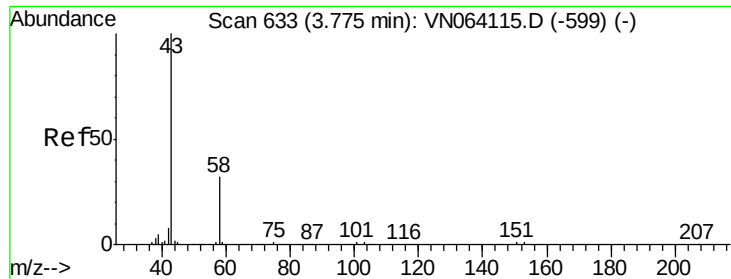
Tot Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 14.7 8.9 13.3#



#13
Acrolein
Concen: 1.424 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion: 56 Resp: 504
Ion Ratio Lower Upper
56 100
55 6.2 55.8 83.6#





#16

Acetone

Concen: 39.895 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

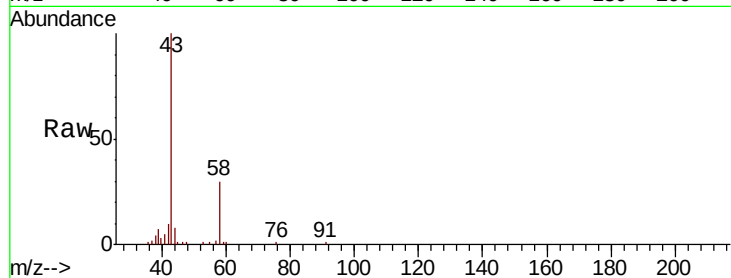
SHELL-L15-L14-NORTH

Tot Ion: 43 Resp: 46053

Ion Ratio Lower Upper

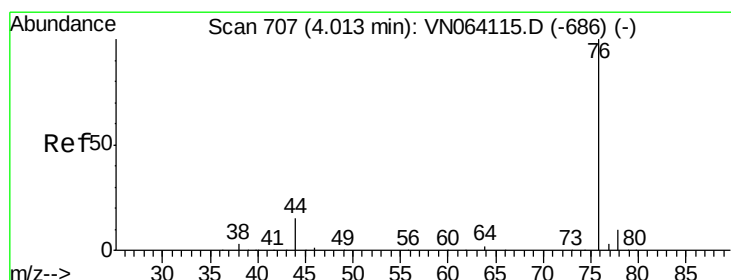
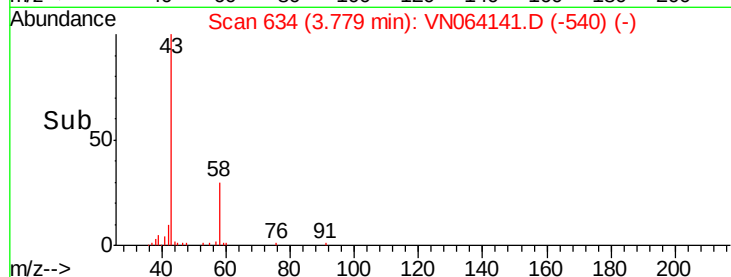
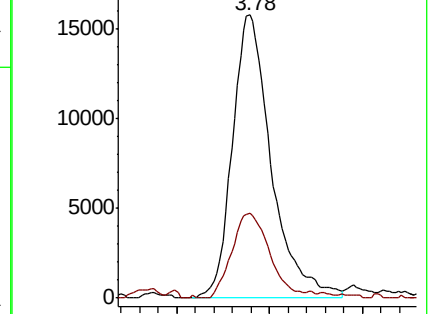
43 100

58 29.0 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN064141.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN064141.D (-599) (-)



#17

Carbon Disulfide

Concen: 1.086 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN064141.D

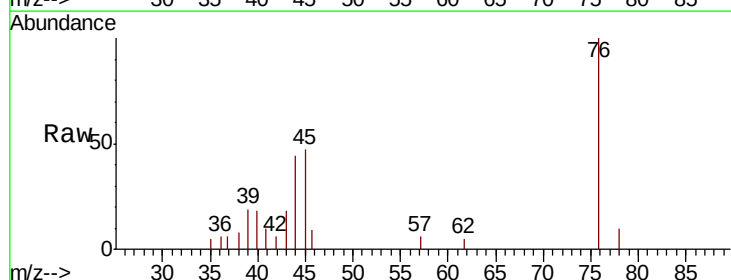
Acq: 15 Oct 2020 14:19

Tgt Ion: 76 Resp: 8450

Ion Ratio Lower Upper

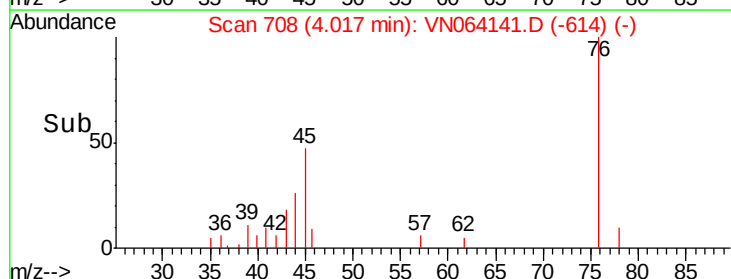
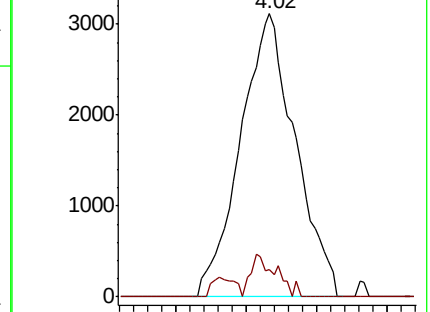
76 100

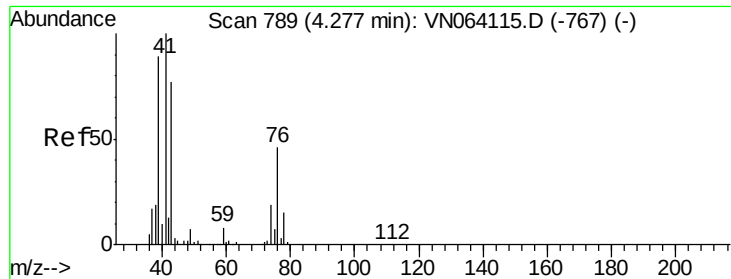
78 9.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN064141.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN064141.D (-686) (-)

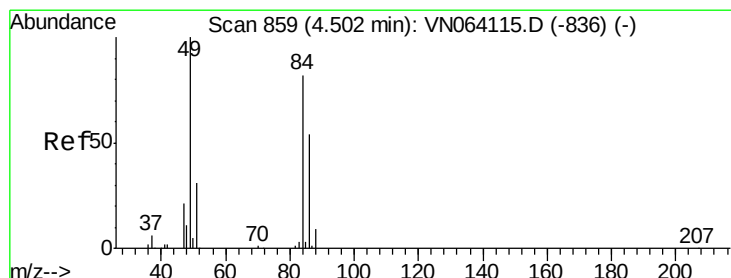
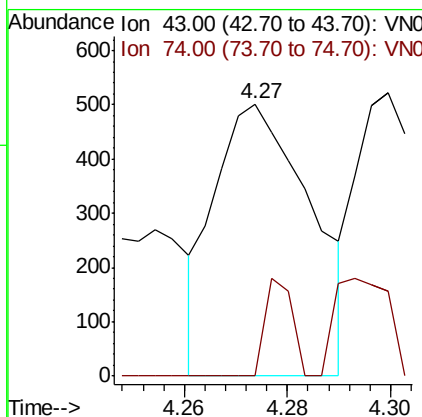
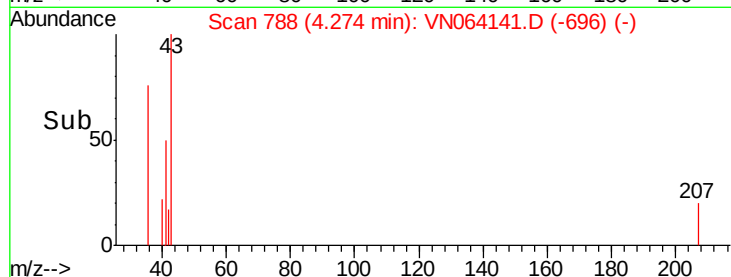
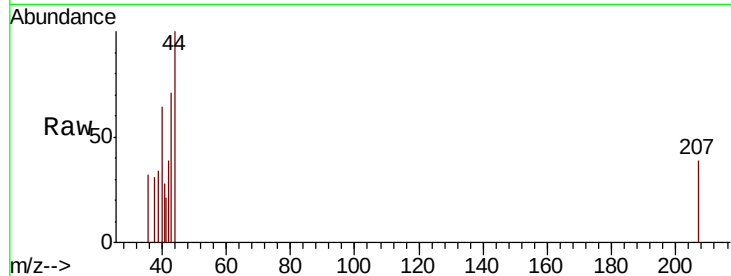




#18
Methyl Acetate
Concen: 0.223 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

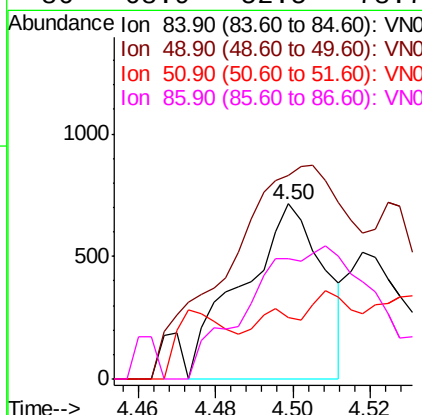
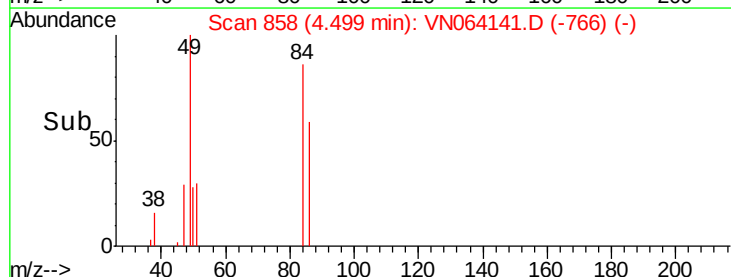
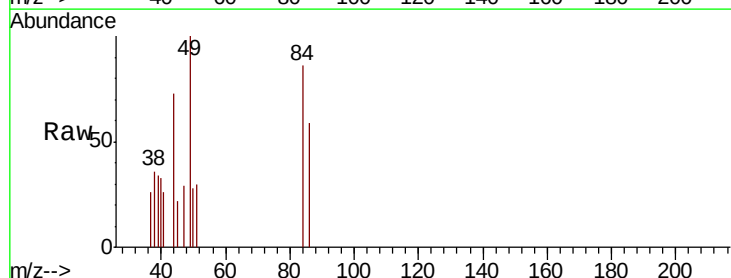
Instrument :
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SHELL-L15-L14-NORTH

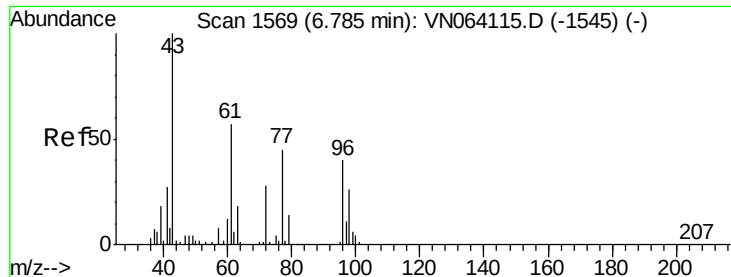
Tot Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
74 10.1 19.7 29.5#



#20
Methylene Chloride
Concen: 0.293 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion: 84 Resp: 1045
Ion Ratio Lower Upper
84 100
49 72.1 97.4 146.0#
51 0.0 29.7 44.5#
86 68.9 52.5 78.7





#25

2-Butanone

Concen: 4.500 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

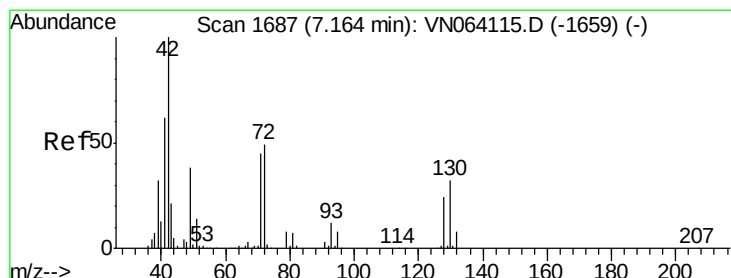
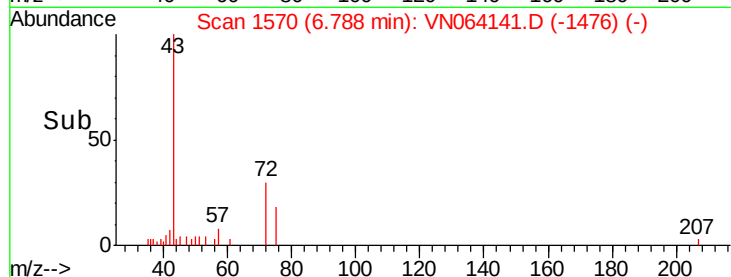
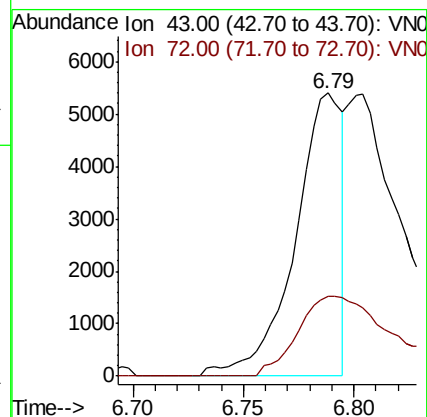
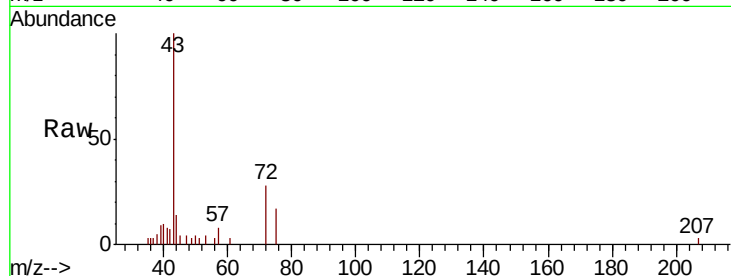
SHELL-L15-L14-NORTH

Tot Ion: 43 Resp: 7989

Ion Ratio Lower Upper

43 100

72 28.1 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.268 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

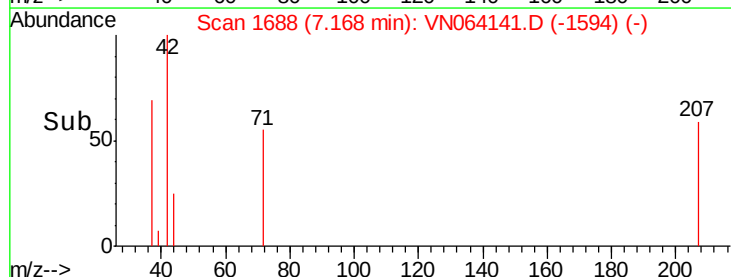
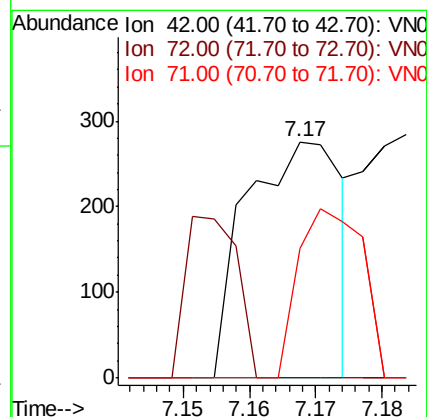
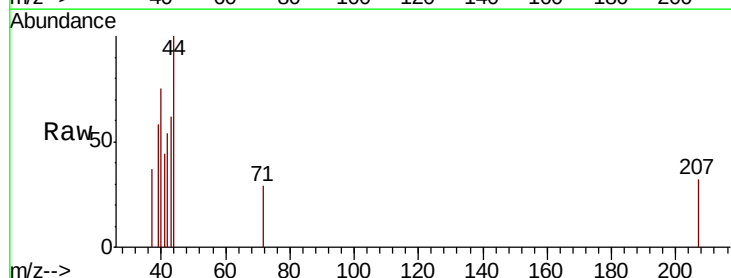
Tgt Ion: 42 Resp: 278

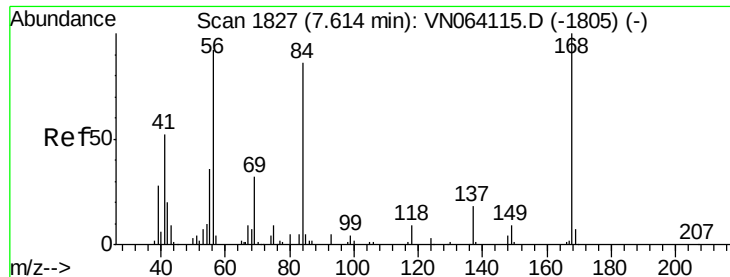
Ion Ratio Lower Upper

42 100

72 36.7 37.8 56.6#

71 48.2 35.3 52.9

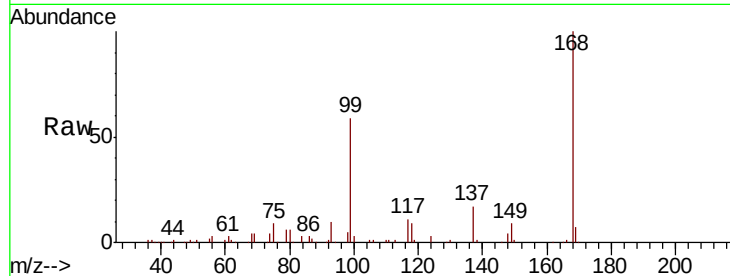




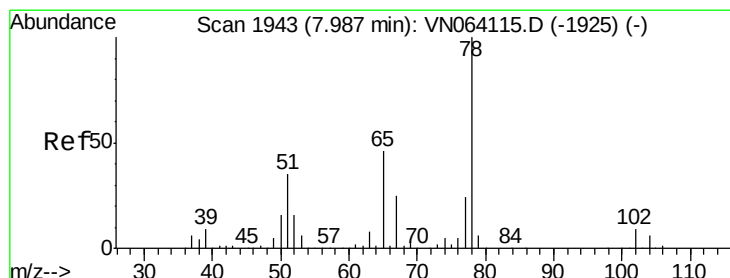
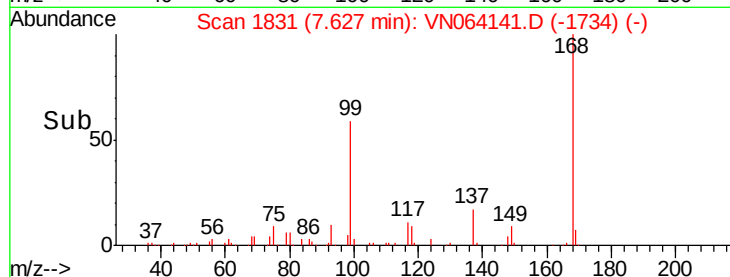
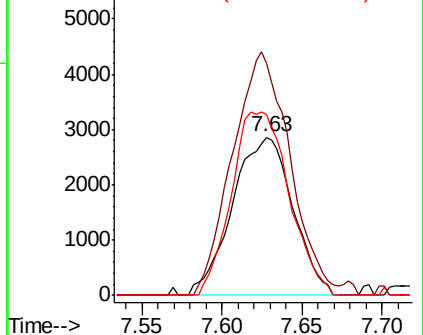
#31
Cyclohexane
Concen: 1.724 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Instrument :
MSVOA_N
ClientSampleId :
SHELL-L15-L14-NORTH

Tot Ion: 56 Resp: 7415
Ion Ratio Lower Upper
56 100
69 146.8 27.8 41.6#
84 114.7 73.2 109.8#

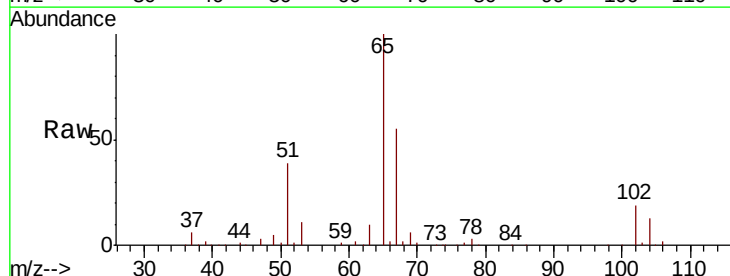


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

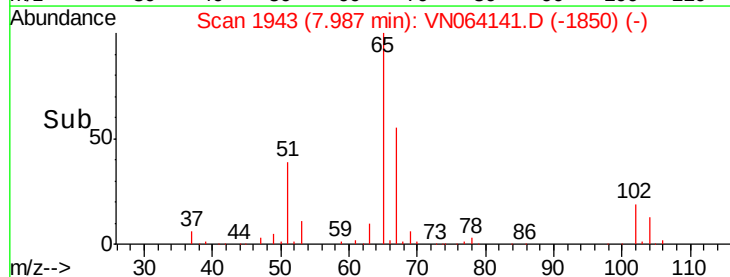
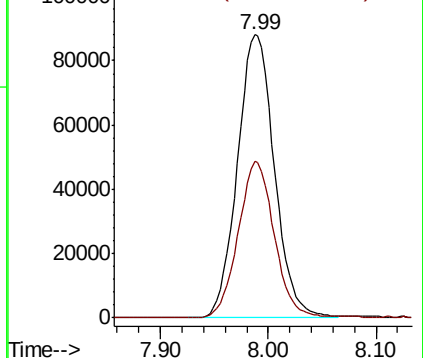


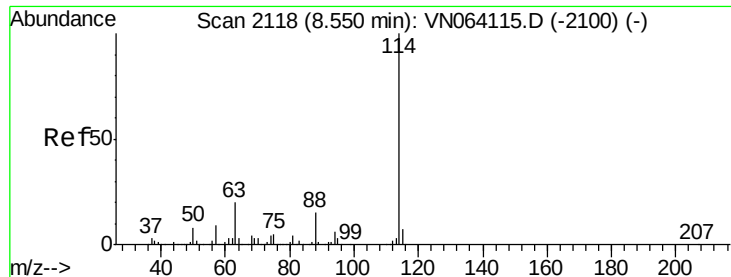
#33
1,2-Dichloroethane-d4
Concen: 53.982 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion: 65 Resp: 210084
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.6



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: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

SHELL-L15-L14-NORTH

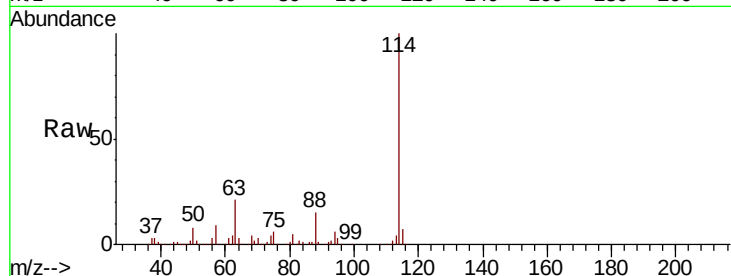
Tot Ion:114 Resp: 517356

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

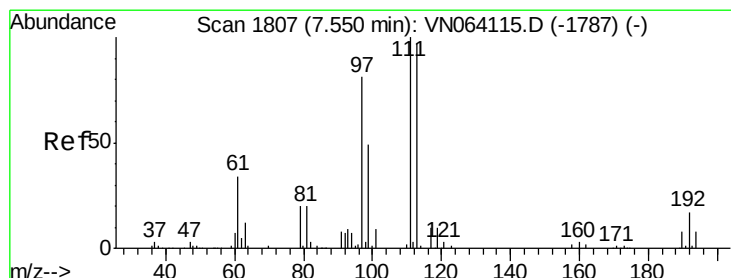
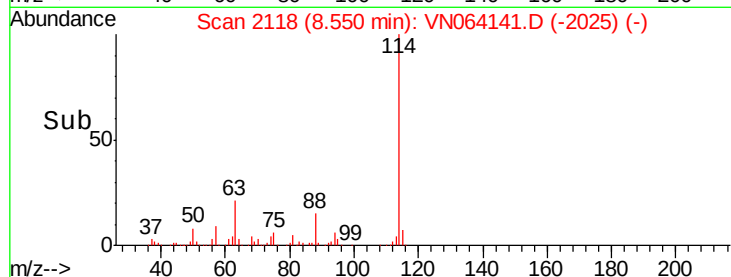
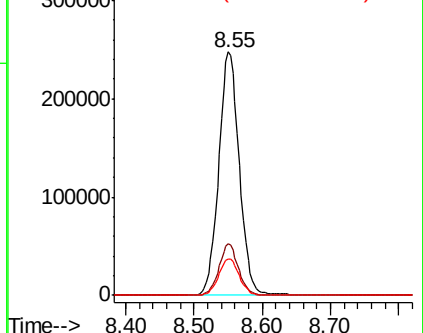
88 15.0 0.0 29.2



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: 50.569 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

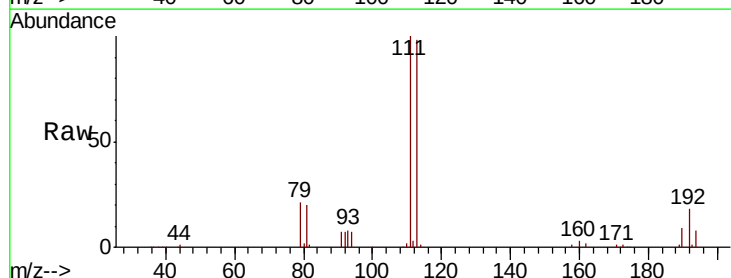
Tgt Ion:113 Resp: 181081

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

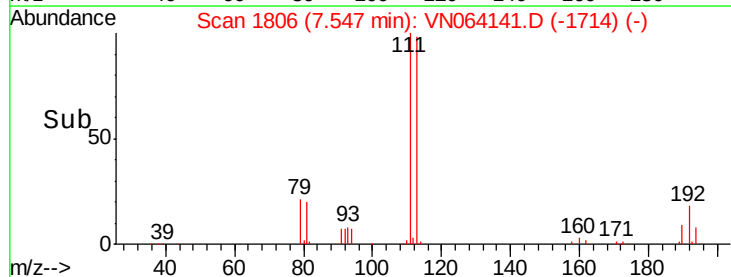
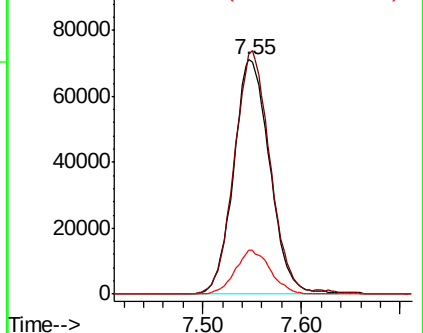
192 18.2 14.3 21.5

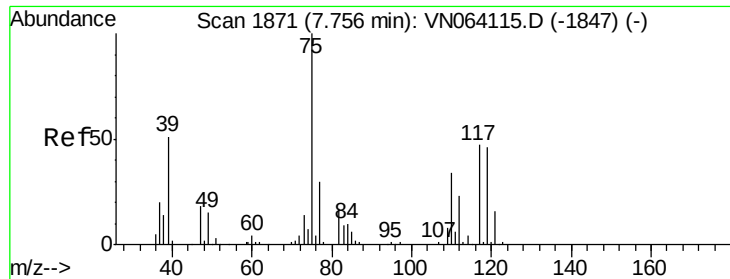


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

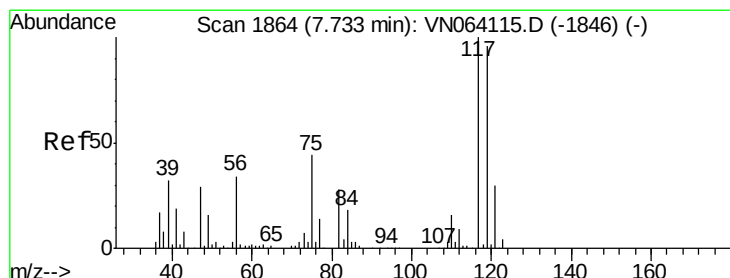
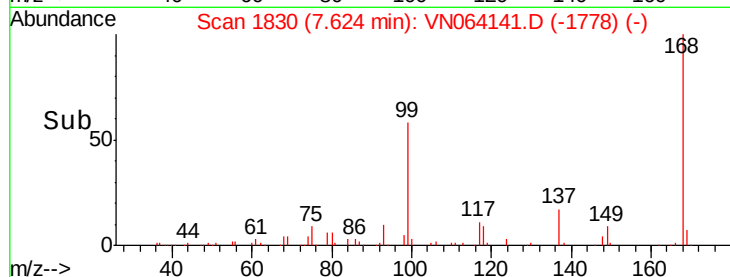
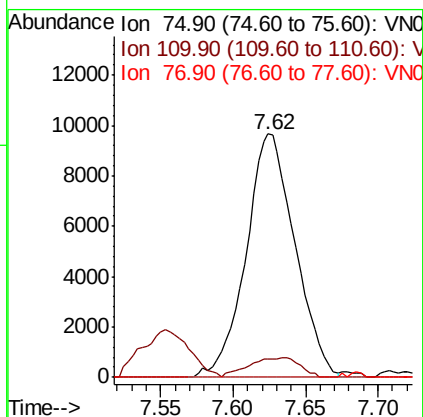
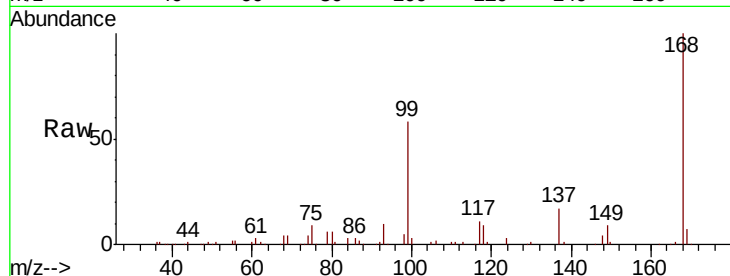




#36
 1,1-Dichloropropene
 Concen: 4.536 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064141.D
 Acq: 15 Oct 2020 14:19

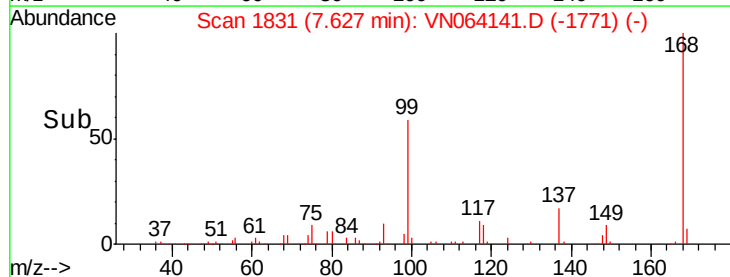
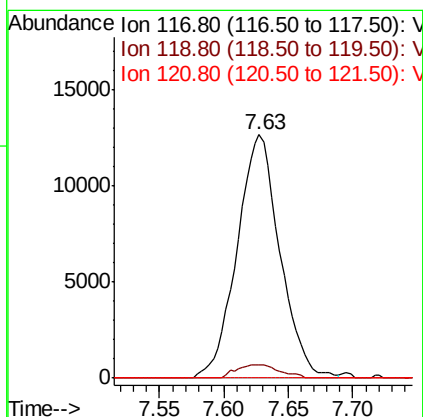
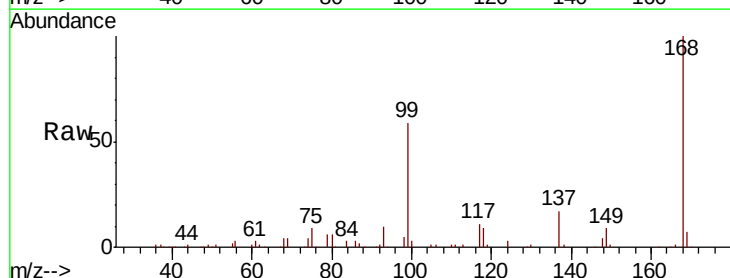
Instrument :
 MSVOA_N
 ClientSampleId :
 SHELL-L15-L14-NORTH

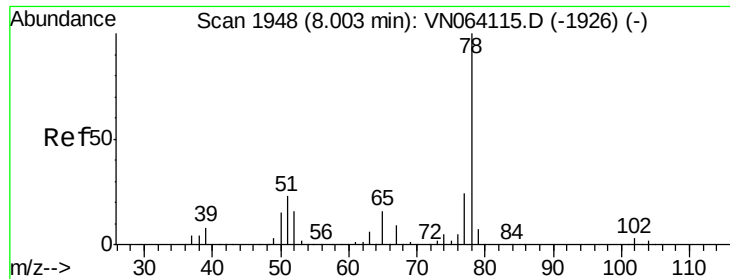
Tot Ion	75	Resp	22620
Ion Ratio	Lower	Upper	
75	100		
110	8.4	17.8	53.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.454 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064141.D
 Acq: 15 Oct 2020 14:19

Tgt Ion	117	Resp	29243
Ion Ratio	Lower	Upper	
117	100		
119	5.2	77.0	115.4#
121	0.0	24.2	36.4#





#40

Benzene

Concen: 0.793 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

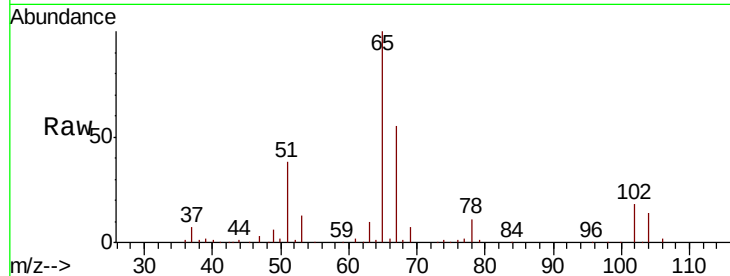
SHELL-L15-L14-NORTH

Tot Ion: 78 Resp: 11970

Ion Ratio Lower Upper

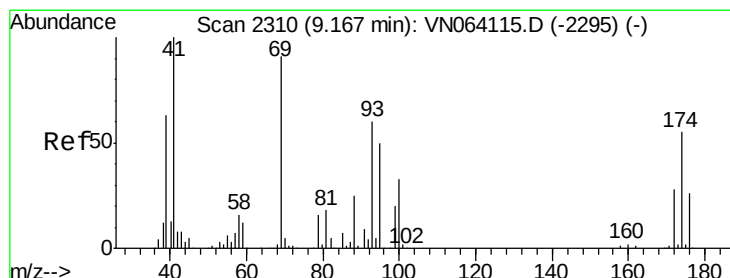
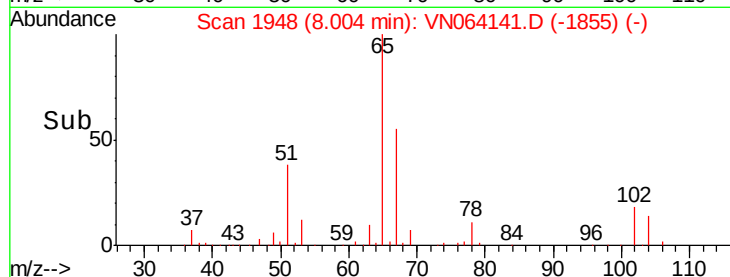
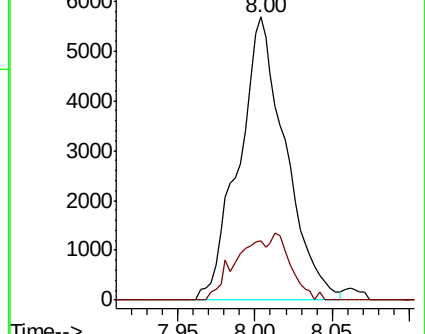
78 100

77 21.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

1,4-Dioxane

Concen: 0.563 ug/l

RT: 9.18 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

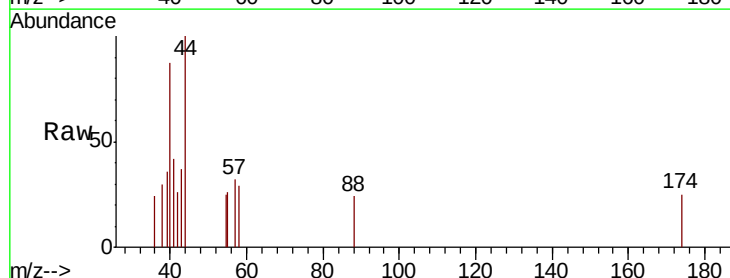
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 989.7 27.2 40.8#

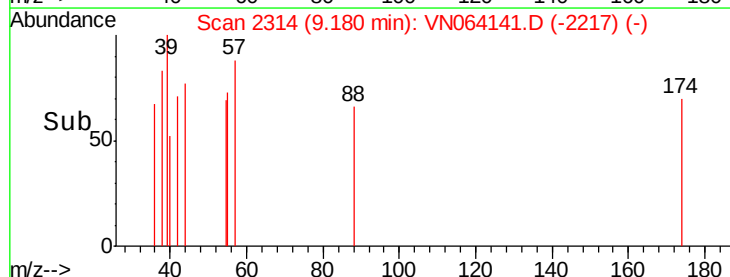
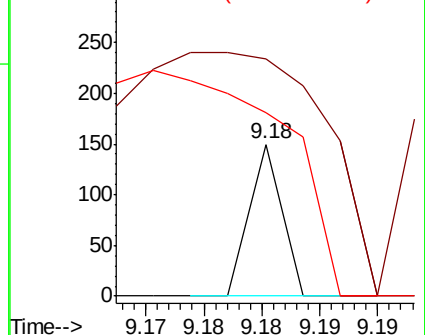
58 1234.5 52.6 78.8#

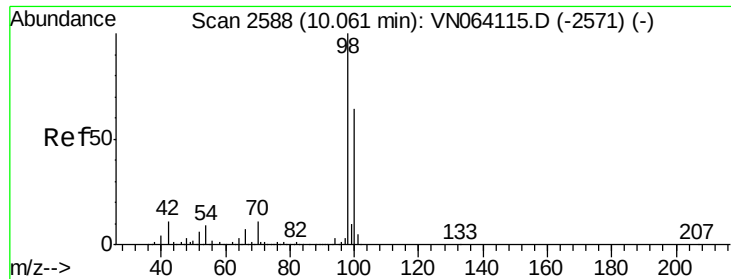


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 48.151 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

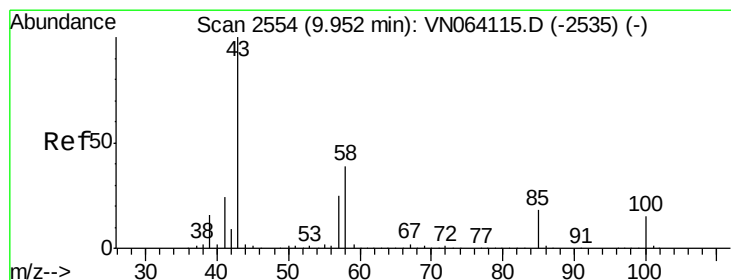
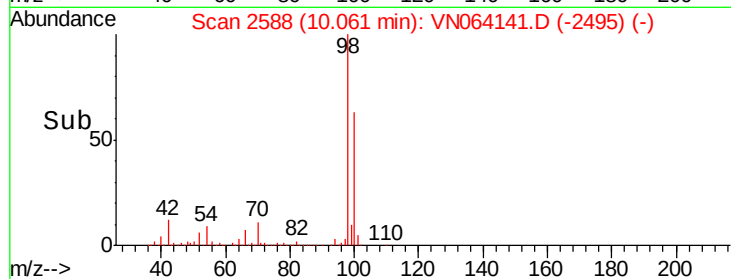
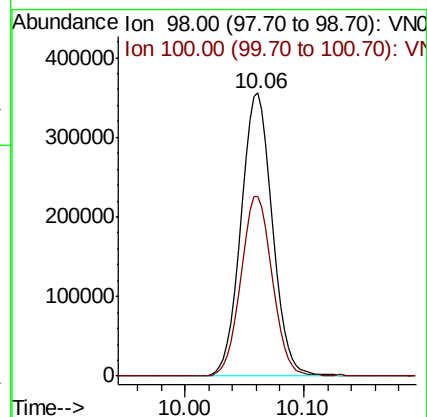
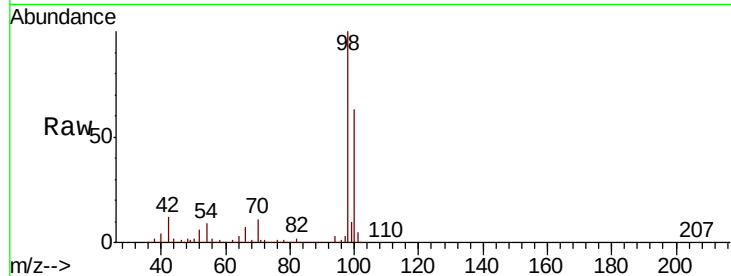
SHELL-L15-L14-NORTH

Tot Ion: 98 Resp: 650572

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 0.429 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064141.D

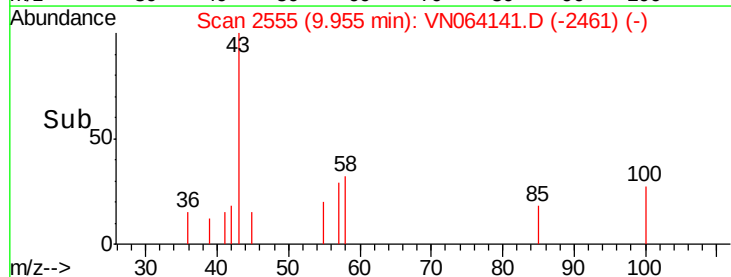
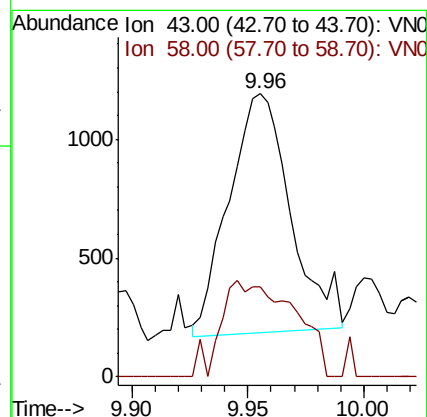
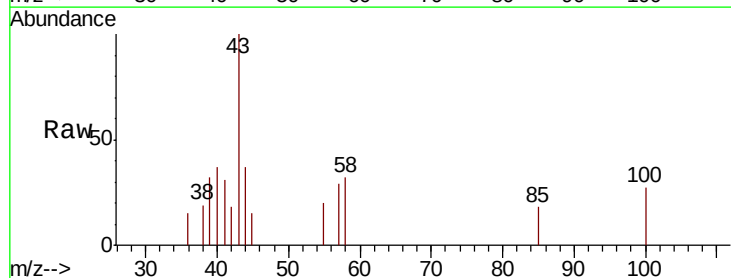
Acq: 15 Oct 2020 14:19

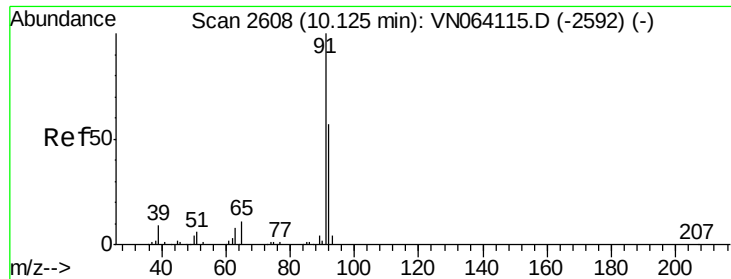
Tgt Ion: 43 Resp: 1863

Ion Ratio Lower Upper

43 100

58 48.0 31.2 46.8#





#52

Toluene

Concen: 0.288 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

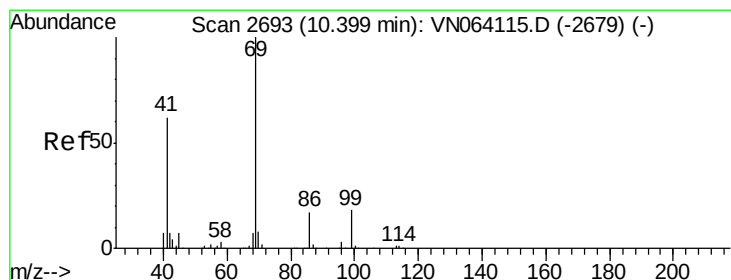
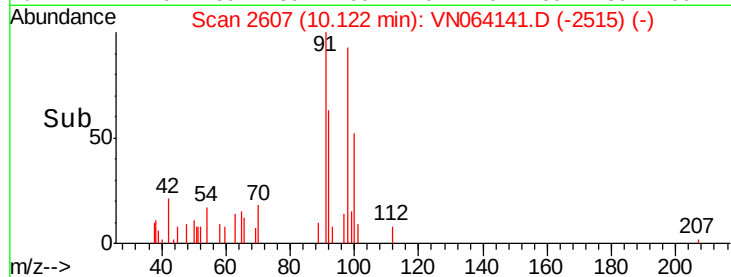
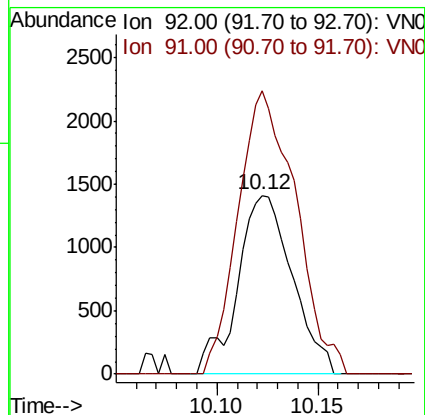
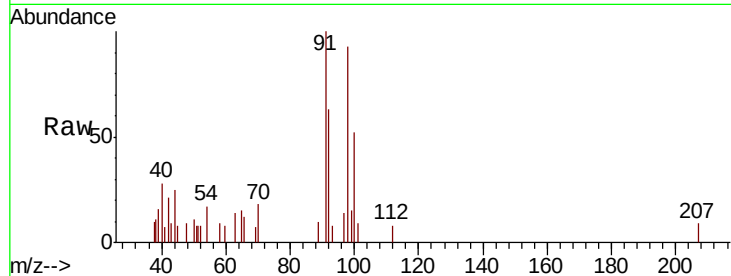
SHELL-L15-L14-NORTH

Tot Ion: 92 Resp: 2674

Ion Ratio Lower Upper

92 100

91 167.1 141.2 211.8



#56

Ethyl methacrylate

Concen: 2.304 ug/l

RT: 10.34 min Scan# 2675

Delta R.T. -0.06 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

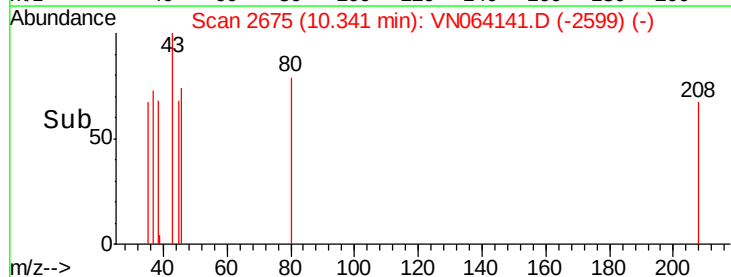
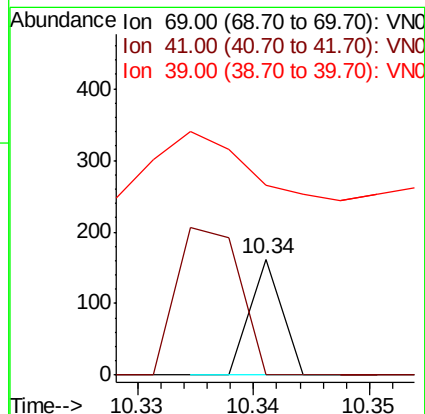
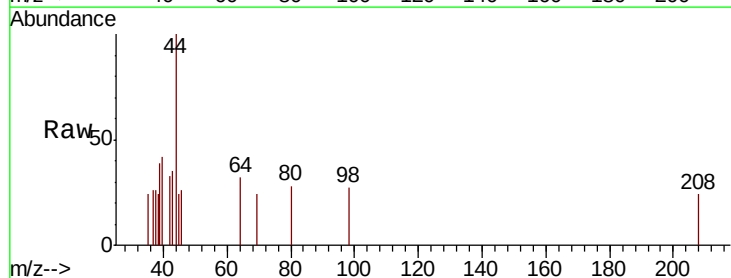
Tgt Ion: 69 Resp: 31

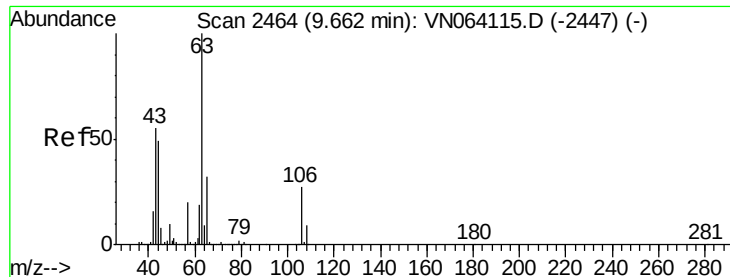
Ion Ratio Lower Upper

69 100

41 248.4 49.3 73.9#

39 158.1 32.7 49.1#





#58

2-Chloroethyl Vinyl ether

Concen: 12.242 ug/l

RT: 9.67 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

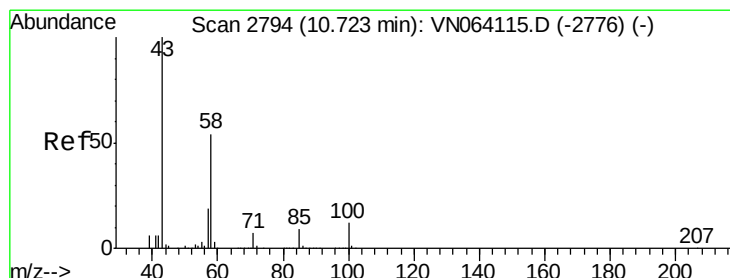
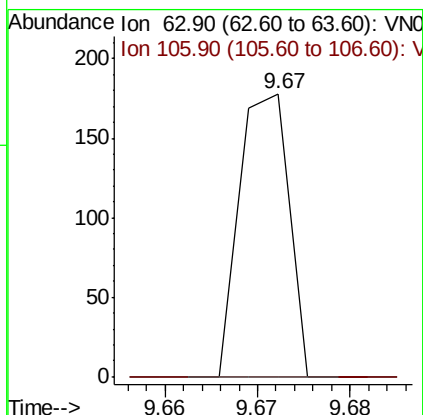
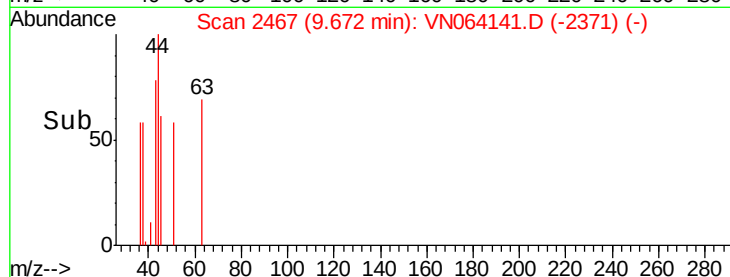
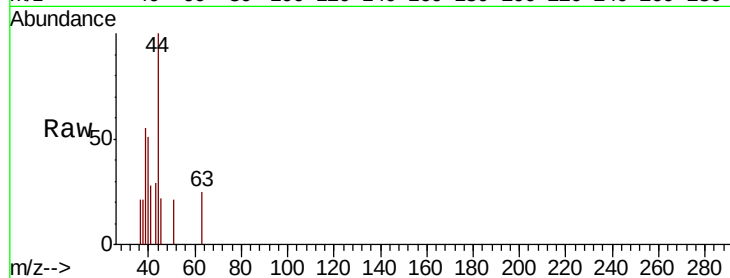
SHELL-L15-L14-NORTH

Tot Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.6#



#59

2-Hexanone

Concen: 6.932 ug/l

RT: 10.58 min Scan# 2748

Delta R.T. -0.15 min

Lab File: VN064141.D

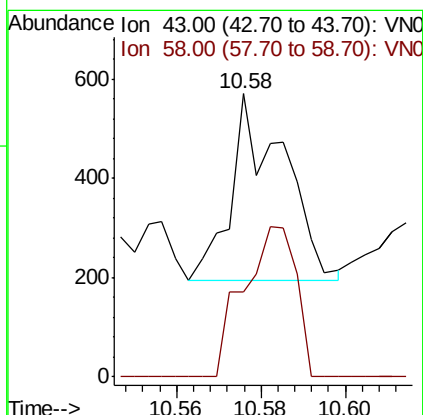
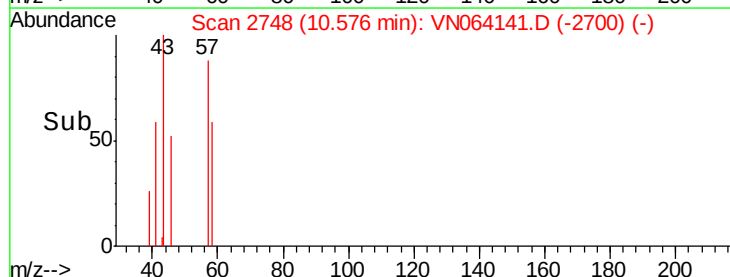
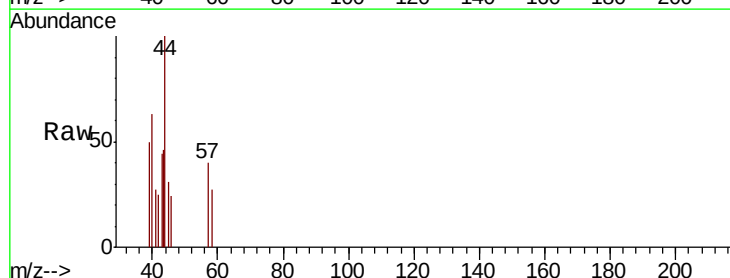
Acq: 15 Oct 2020 14:19

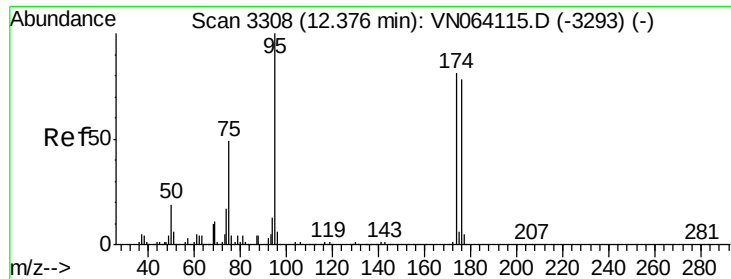
Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

43 100

58 80.1 27.2 81.6

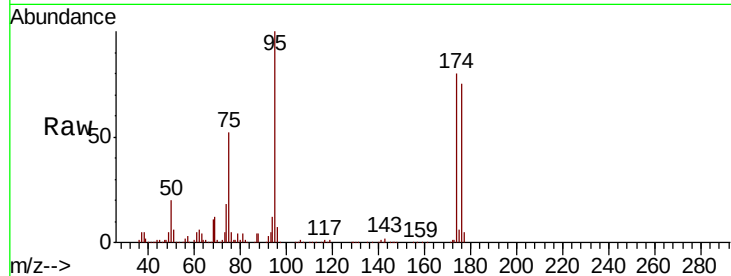




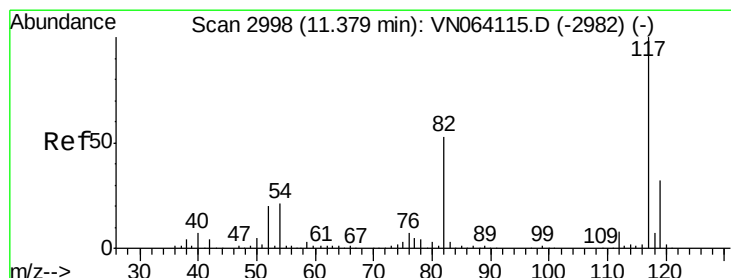
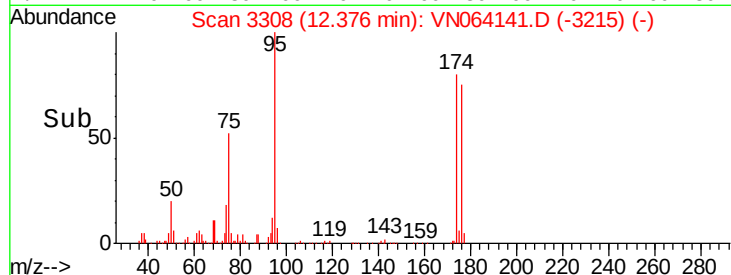
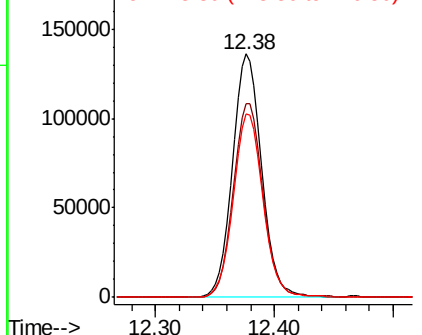
#62
4-Bromofluorobenzene
Concen: 49.823 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Instrument :
MSVOA_N
ClientSampleId :
SHELL-L15-L14-NORTH

Tot Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	164.8
176	76.7	0.0	157.8

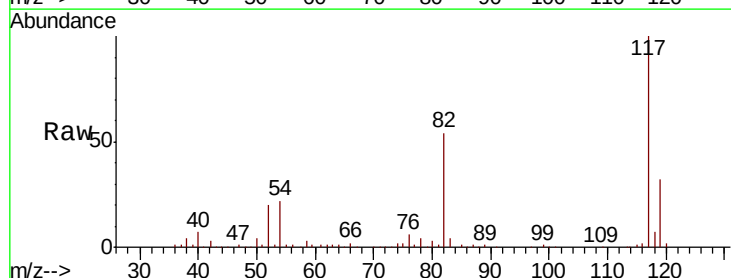


Abundance Ion 94.90 (94.60 to 95.60): VN064115.D (-3293) (-)
Ion 173.80 (173.50 to 174.50): VN064115.D (-3293) (-)
Ion 175.80 (175.50 to 176.50): VN064115.D (-3293) (-)

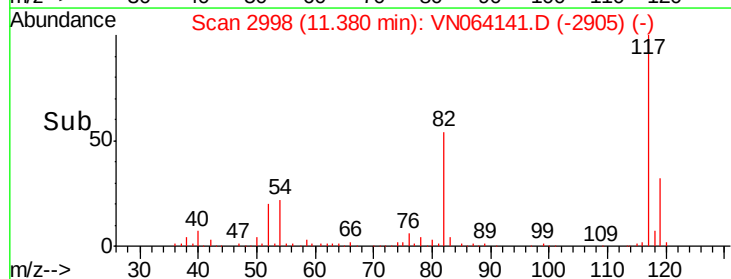
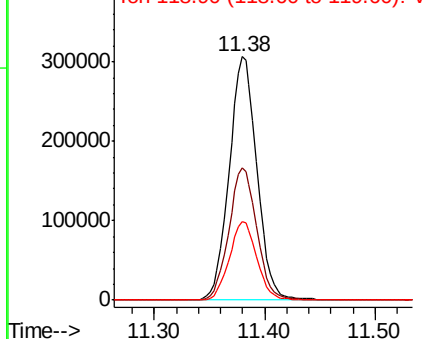


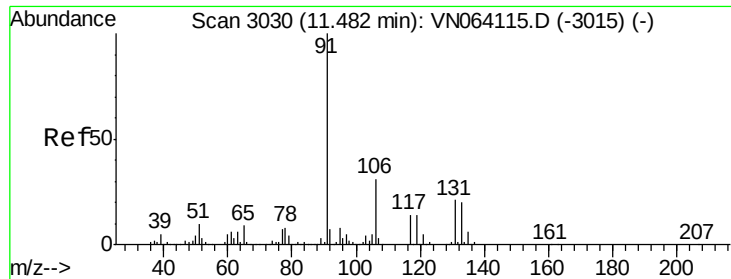
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.6	63.8
119	32.1	25.5	38.3



Abundance Ion 116.90 (116.60 to 117.60): VN064115.D (-2982) (-)
Ion 82.00 (81.70 to 82.70): VN064115.D (-2982) (-)
Ion 118.90 (118.60 to 119.60): VN064115.D (-2982) (-)

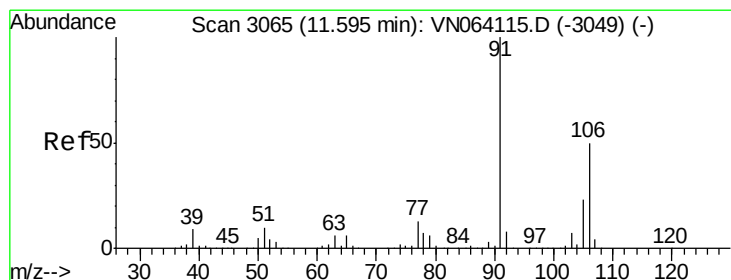
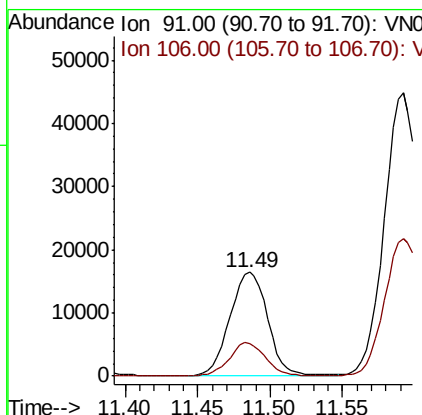
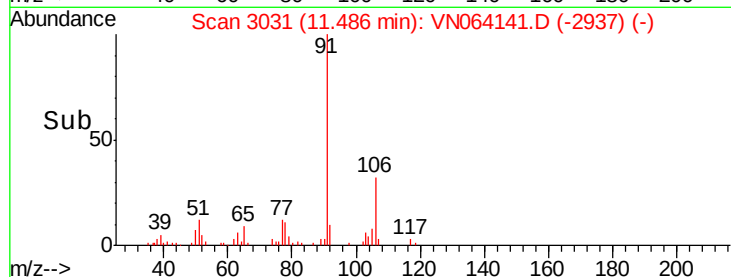
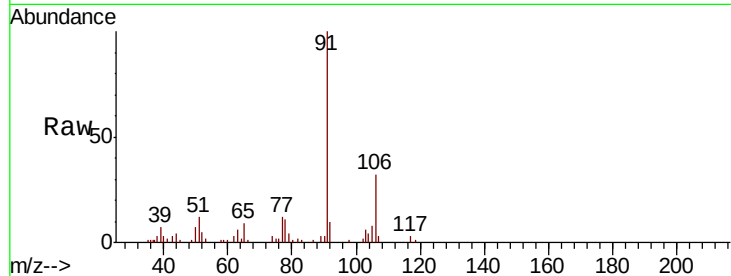




#67
Ethyl Benzene
Concen: 1.596 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

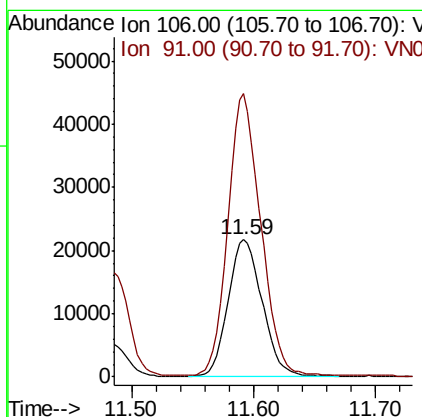
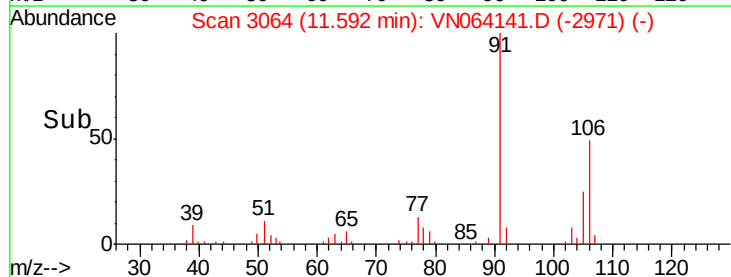
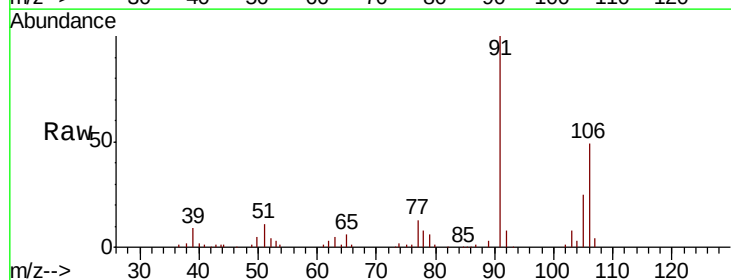
Instrument :
MSVOA_N
ClientSampleId :
SHELL-L15-L14-NORTH

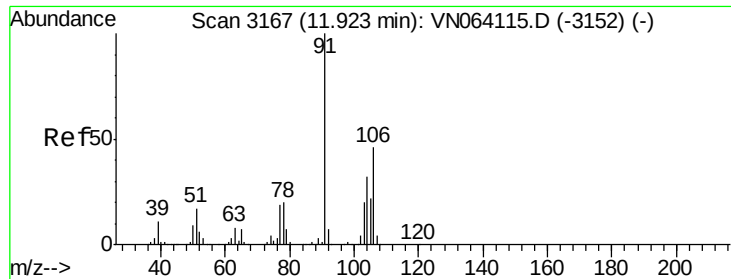
Tot Ion: 91 Resp: 30087
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1



#68
m/p-Xylenes
Concen: 7.549 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion: 106 Resp: 42566
Ion Ratio Lower Upper
106 100
91 196.5 162.1 243.1

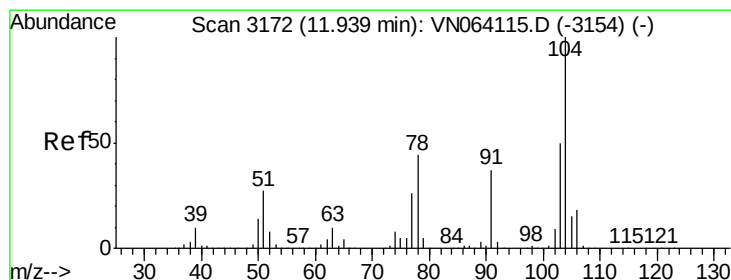
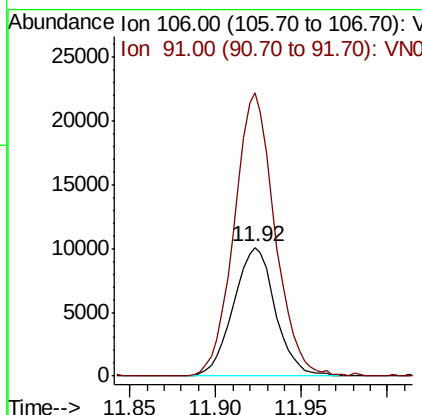
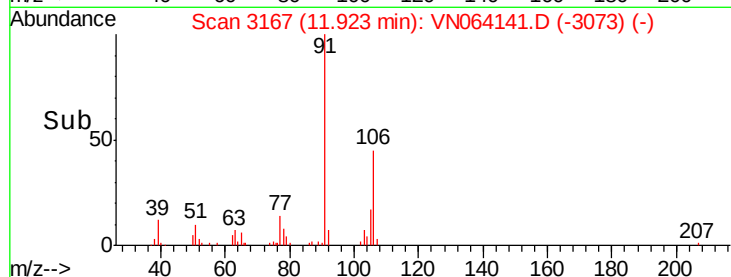
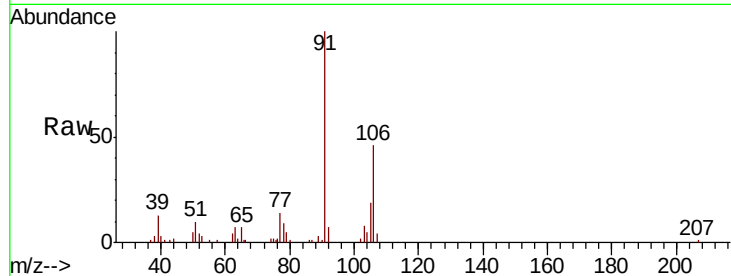




#69
o-Xylene
Concen: 3.809 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

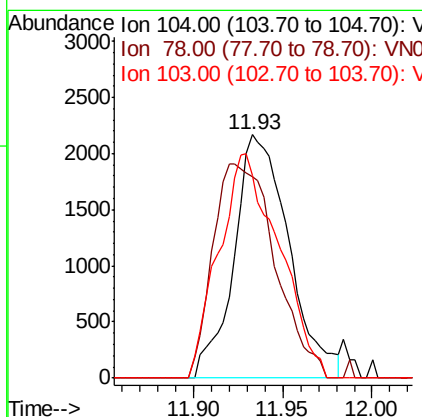
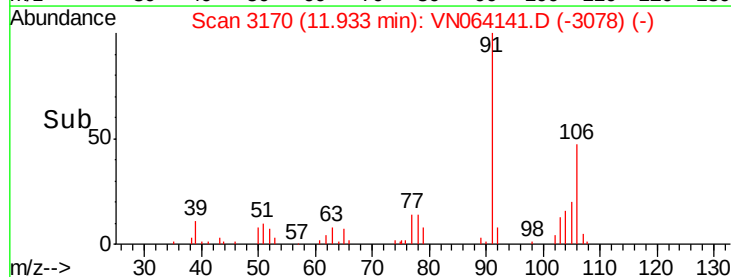
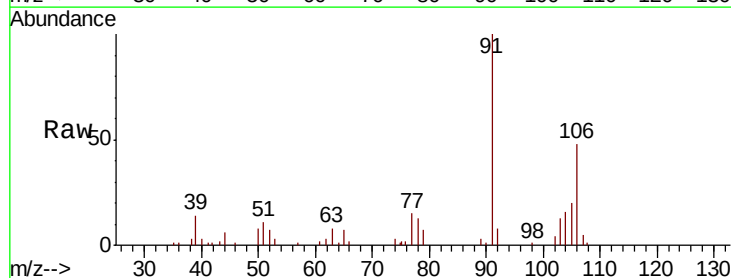
Instrument :
MSVOA_N
ClientSampleId :
SHELL-L15-L14-NORTH

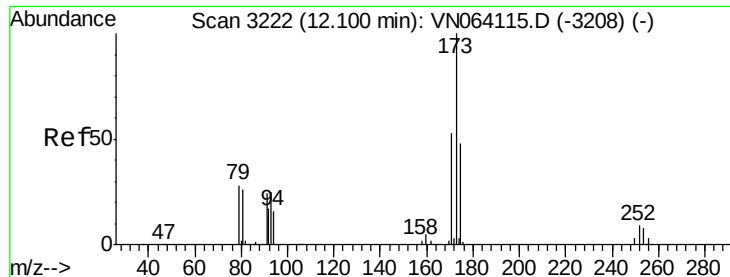
Tot Ion:106 Resp: 17092
Ion Ratio Lower Upper
106 100
91 214.0 107.6 322.8



#70
Styrene
Concen: 2.385 ug/l
RT: 11.93 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion:104 Resp: 4653
Ion Ratio Lower Upper
104 100
78 99.6 39.7 59.5#
103 100.7 44.2 66.2#





#71

Bromoform

Concen: 2.900 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

SHELL-L15-L14-NORTH

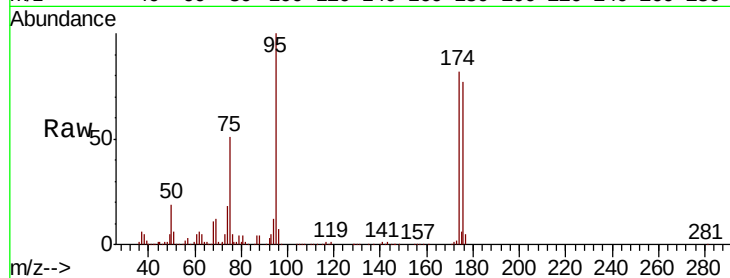
Tot Ion:173 Resp: 2481

Ion Ratio Lower Upper

173 100

175 480.4 23.4 70.2#

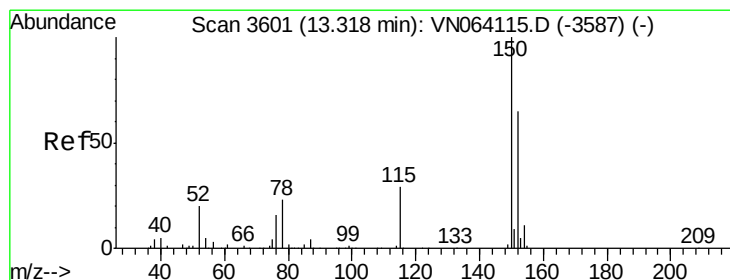
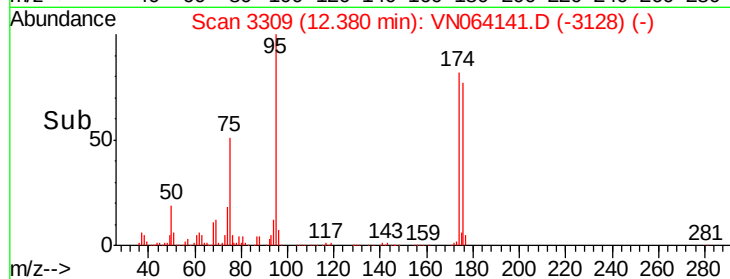
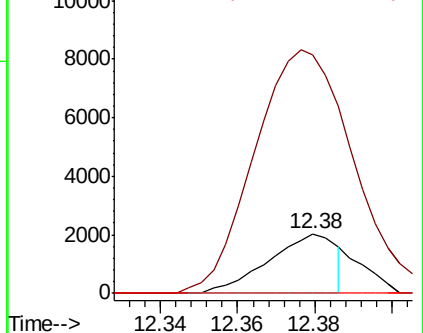
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

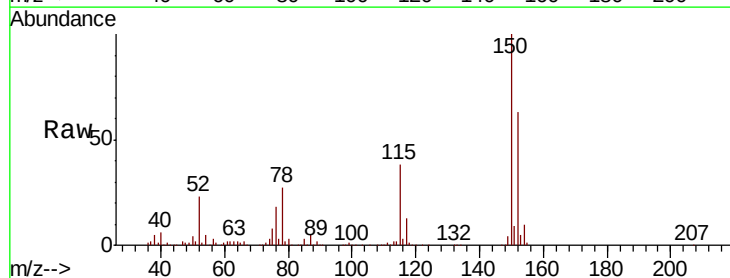
Tgt Ion:152 Resp: 208181

Ion Ratio Lower Upper

152 100

115 58.5 29.3 87.8

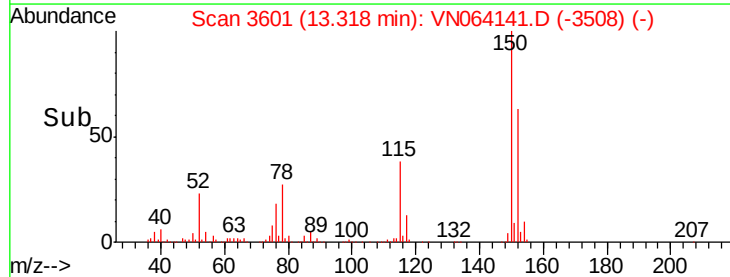
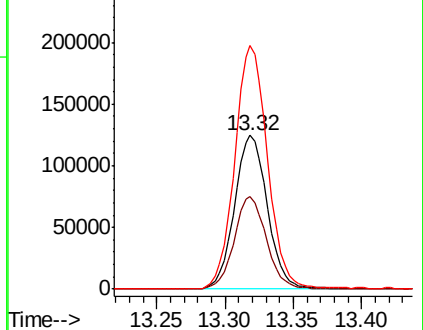
150 158.1 0.0 346.0

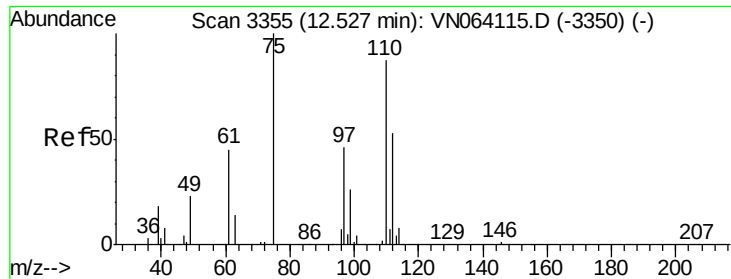


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.829 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

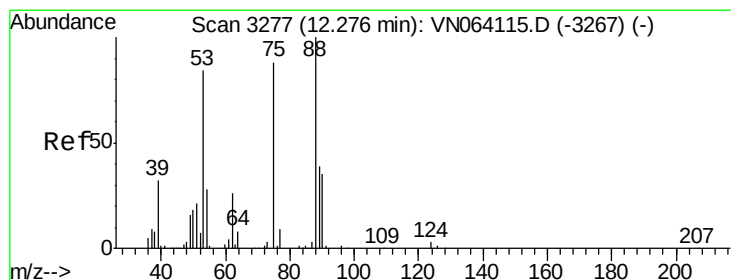
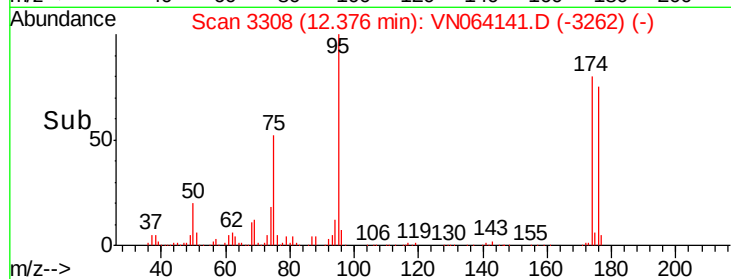
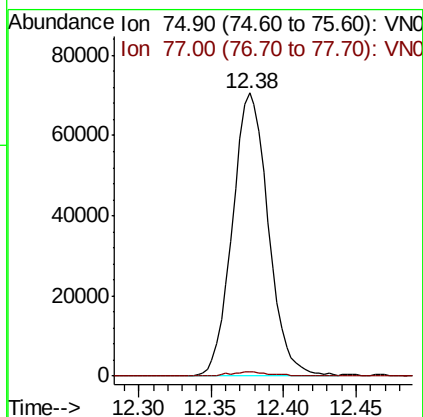
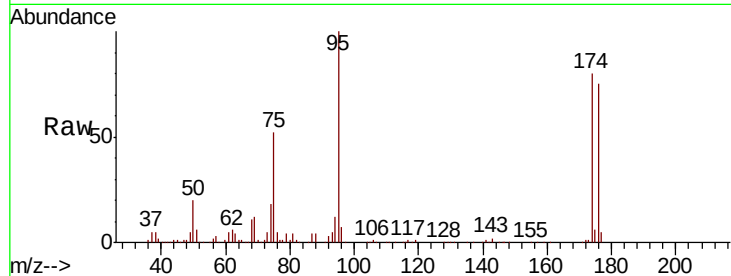
SHELL-L15-L14-NORTH

Tot Ion: 75 Resp: 121267

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.857 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

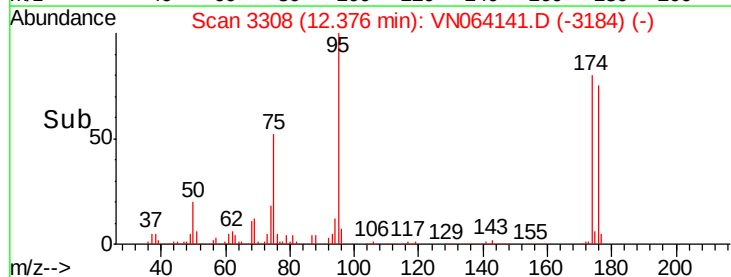
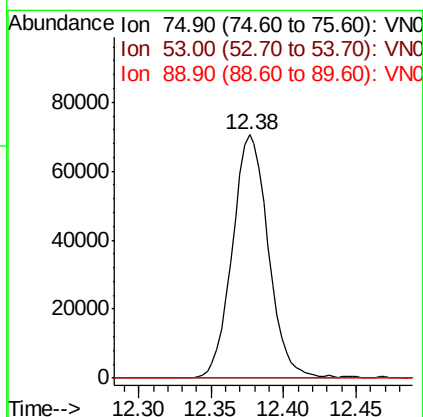
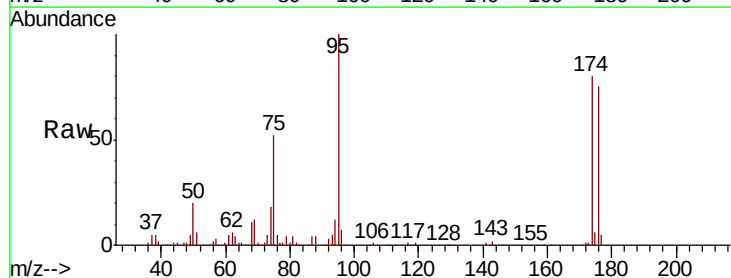
Tgt Ion: 75 Resp: 121267

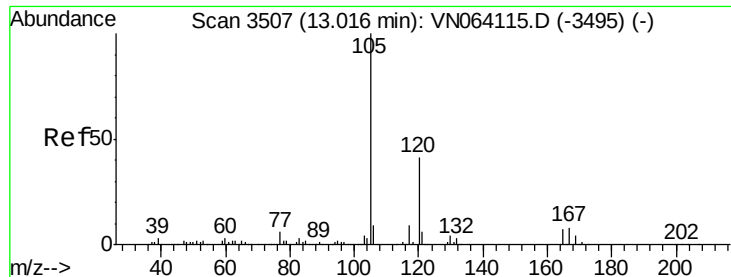
Ion Ratio Lower Upper

75 100

53 0.2 75.7 113.5#

89 0.0 36.6 55.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.581 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

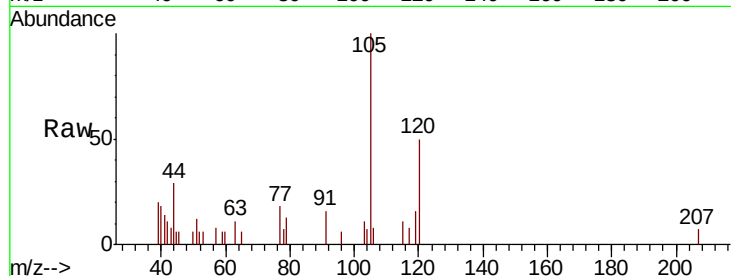
SHELL-L15-L14-NORTH

Tot Ion:105 Resp: 5023

Ion Ratio Lower Upper

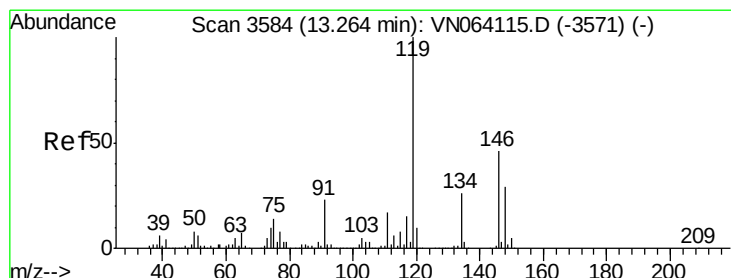
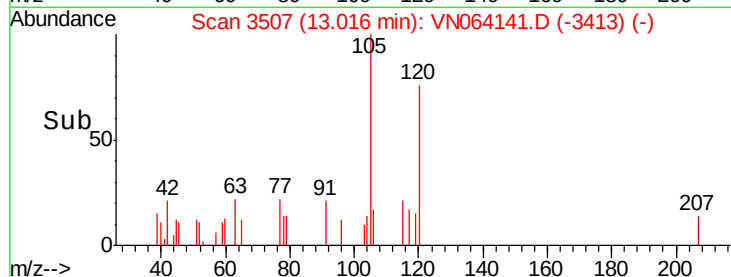
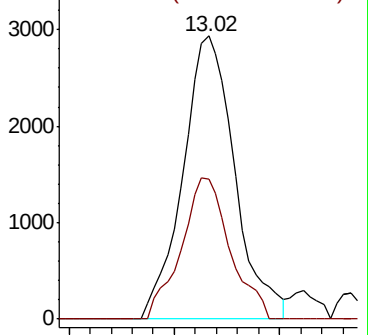
105 100

120 46.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 0.799 ug/l

RT: 13.27 min Scan# 3585

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

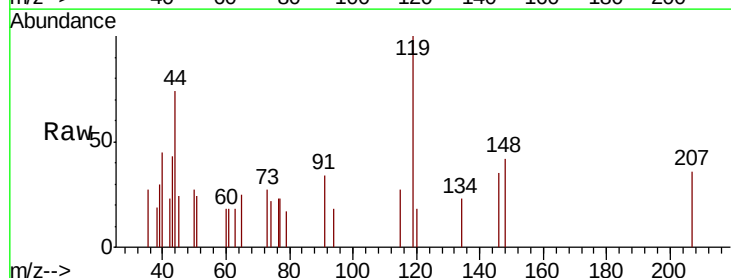
Tgt Ion:119 Resp: 1693

Ion Ratio Lower Upper

119 100

134 15.9 13.2 39.5

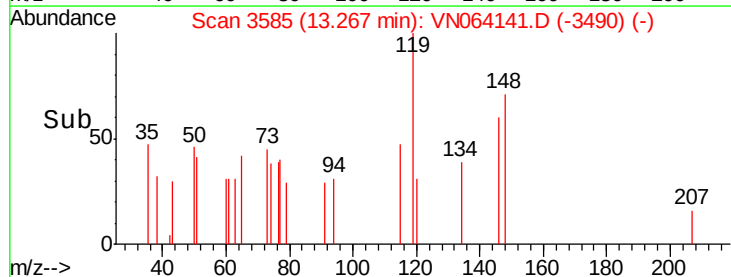
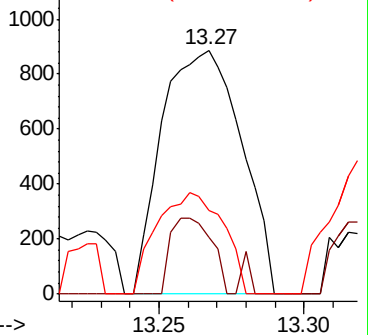
91 34.7 12.0 36.1

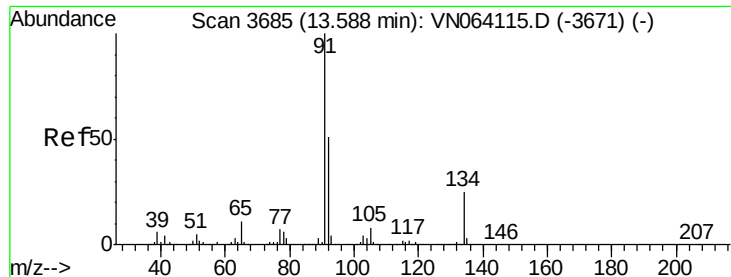


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.218 ug/l

RT: 13.59 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

SHELL-L15-L14-NORTH

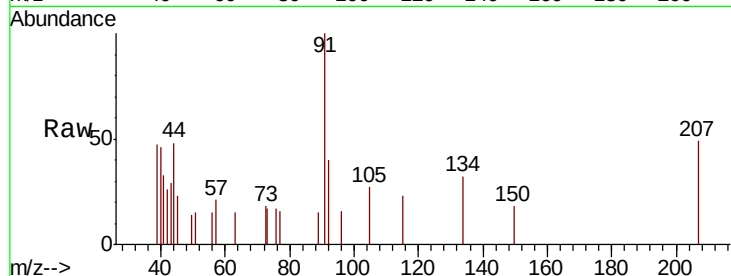
Tot Ion: 91 Resp: 2040

Ion Ratio Lower Upper

91 100

92 36.3 25.6 76.6

134 22.1 12.6 37.8

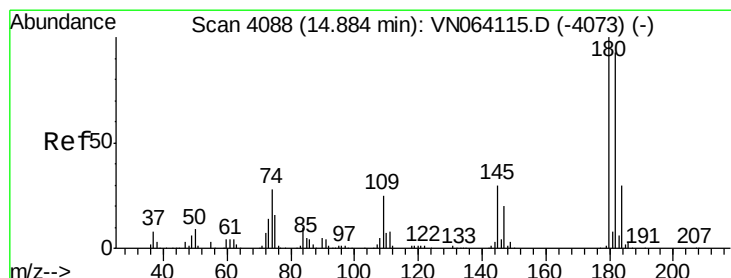
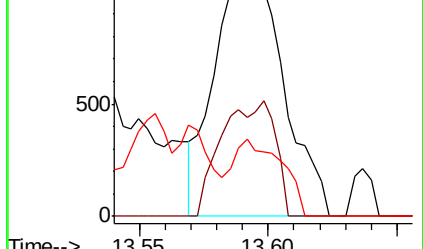
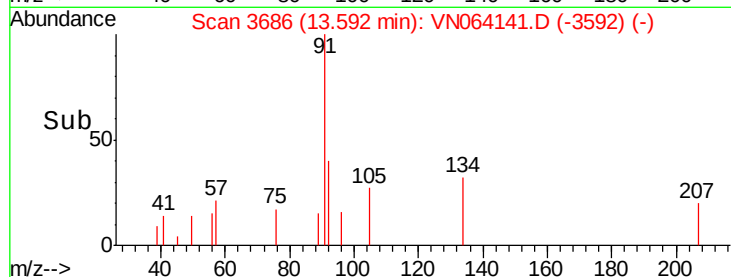


Abundance Ion 91.00 (90.70 to 91.70): VN064115.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064115.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064115.D (-3671) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.465 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

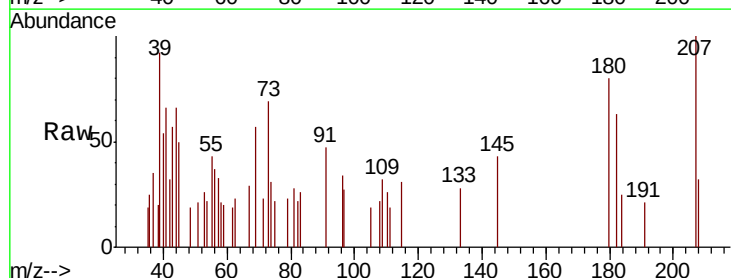
Tgt Ion: 180 Resp: 1014

Ion Ratio Lower Upper

180 100

182 40.2 45.8 137.4#

145 78.0 15.4 46.1#

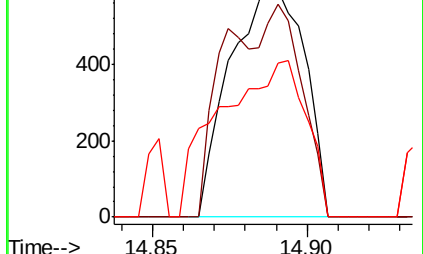
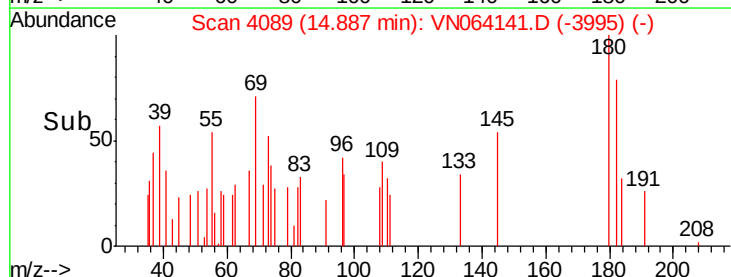


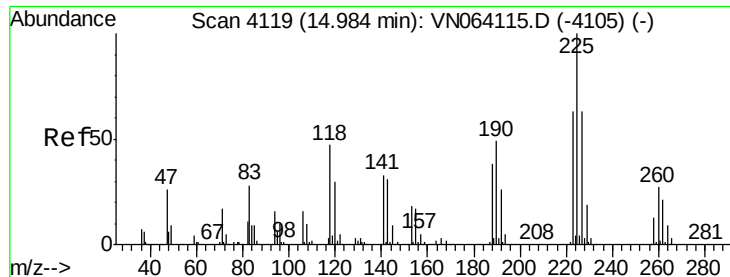
Abundance Ion 179.80 (179.50 to 180.50): VN064115.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN064115.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN064115.D (-4073) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.310 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

SHELL-L15-L14-NORTH

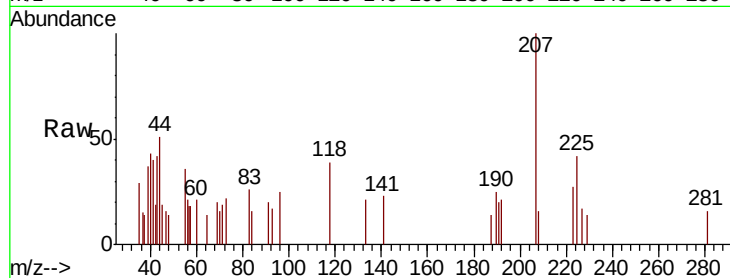
Tot Ion:225 Resp: 502

Ion Ratio Lower Upper

225 100

223 55.8 32.3 96.9

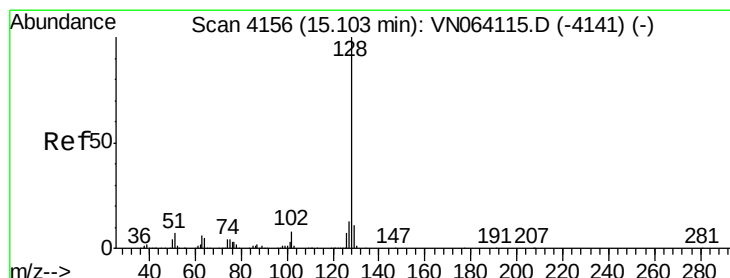
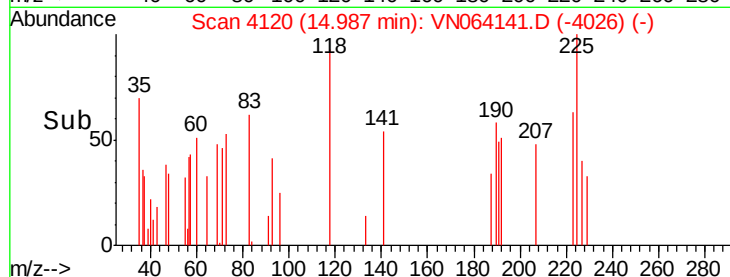
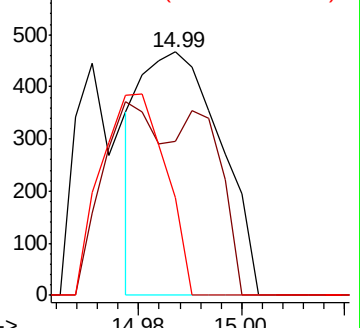
227 66.7 31.6 94.8



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: 7.750 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064141.D

Acq: 15 Oct 2020 14:19

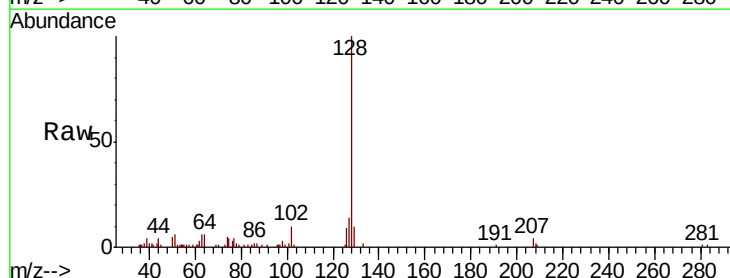
Tgt Ion:128 Resp: 43584

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

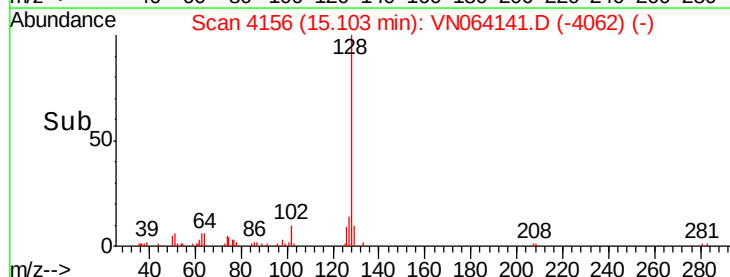
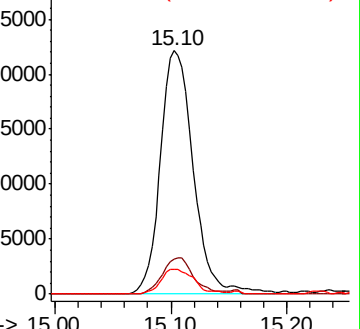
129 10.4 8.5 12.7

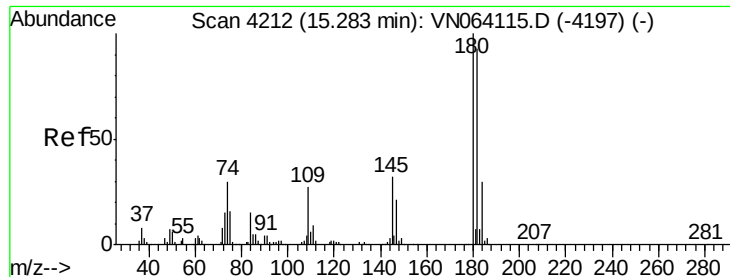


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.046 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN064141.D
 Acq: 15 Oct 2020 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 SHELL-L15-L14-NORTH

Tot Ion	Ratio	Lower	Upper
180	100		
182	130.2	46.6	139.8
145	101.7	16.1	48.2

