

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

Manual Integrations
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 10/19/2020 11:26:04 AM

Quant Time: Oct 16 02:55:17 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
16) Acetone	3.78	43	46053	39.895	ug/l	95
17) Carbon Disulfide	4.02	76	8450	1.086	ug/l	99
25) 2-Butanone	6.79	43	19014m	10.709	ug/l	
40) Benzene	8.00	78	11970	0.793	ug/l	94
52) Toluene	10.12	92	2674	0.288	ug/l	93
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
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
95) Naphthalene	15.10	128	43584	7.750	ug/l	98

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

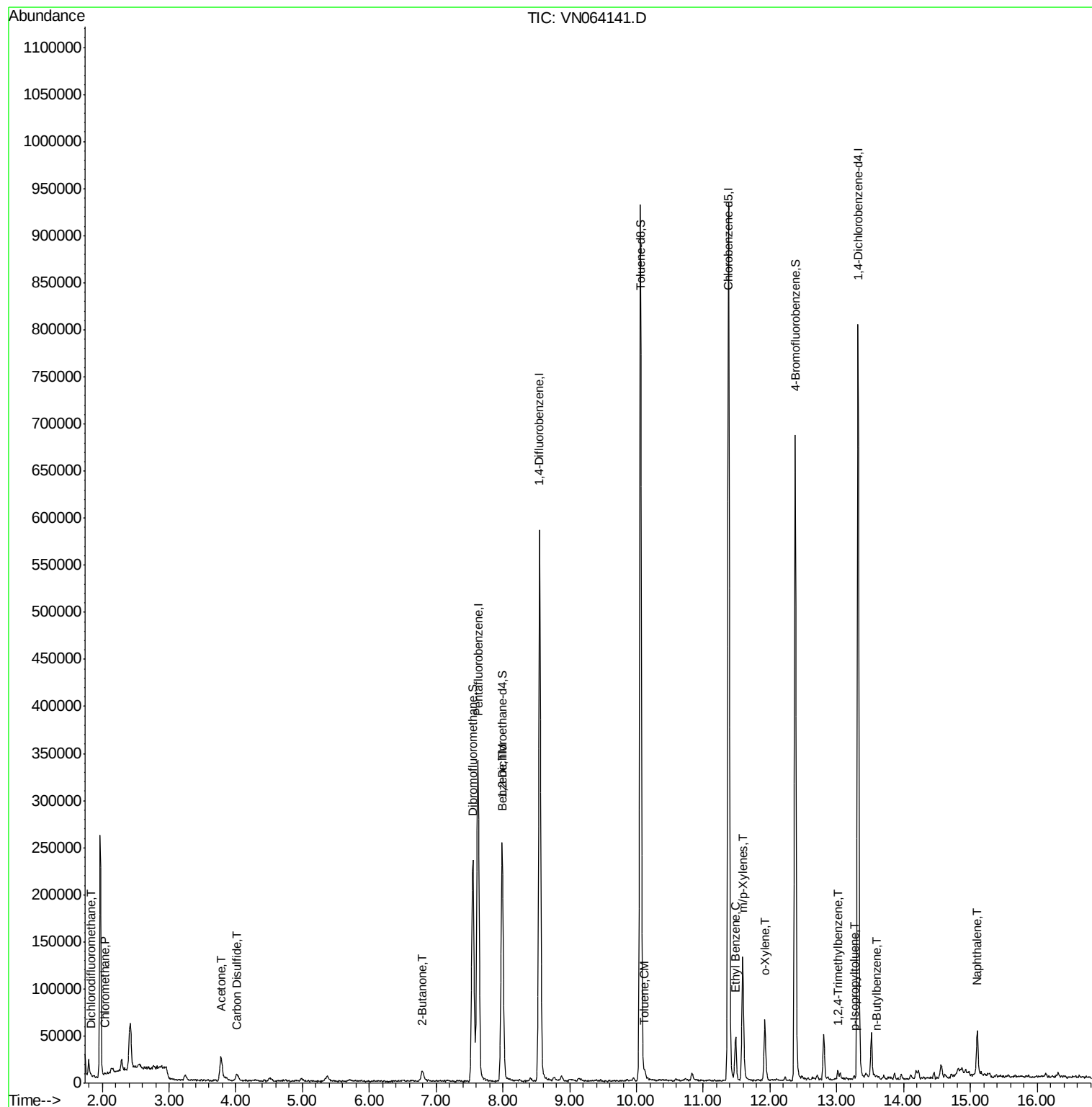
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101520\
Data File : VN064141.D
Acq On : 15 Oct 2020 14:19
Operator : JC/MD
Sample : L4403-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

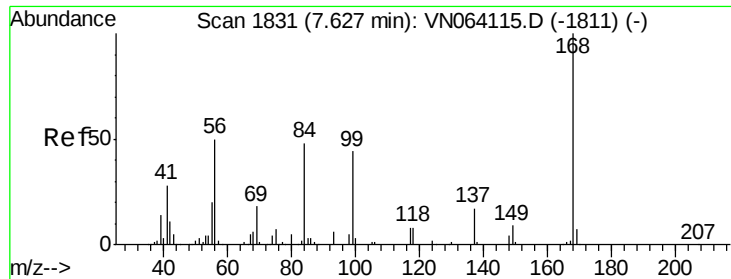
Instrument :
MSVOA_N
ClientSampleId :
SHELL-L15-L14-NORTH

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Quant Time: Oct 16 02:55:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 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: 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

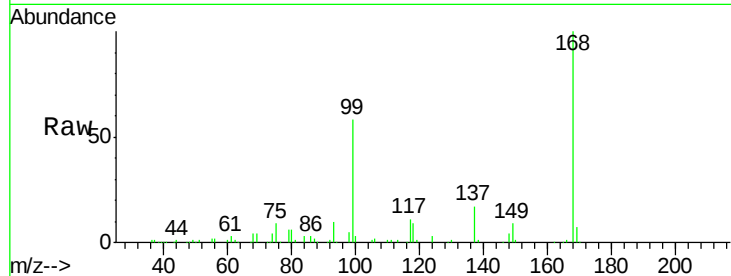
99 58.5 43.6 65.4

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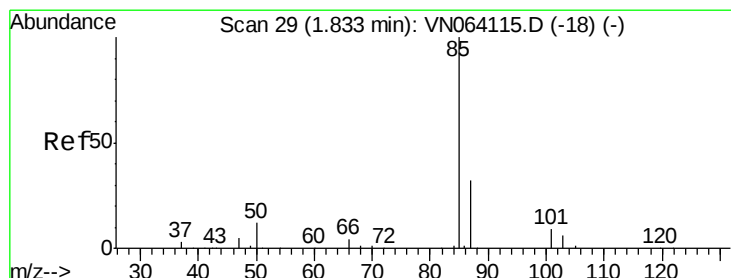
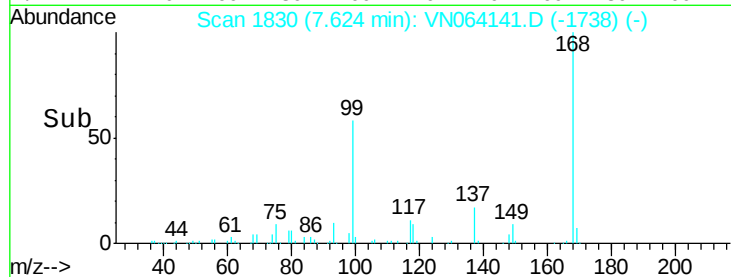
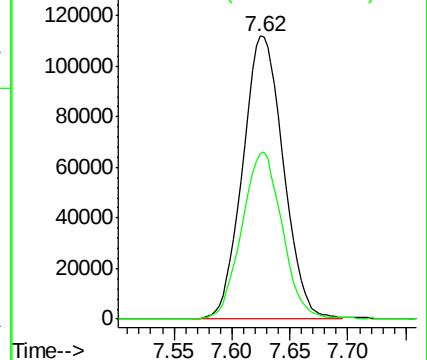
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.325 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064141.D

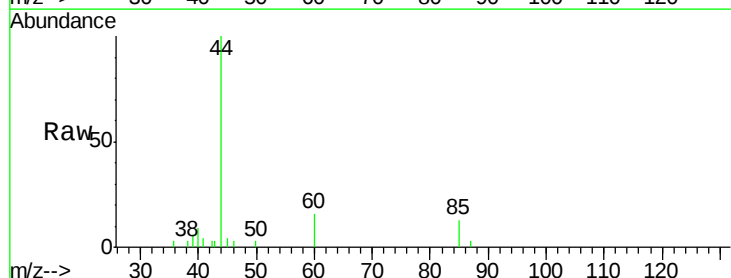
Acq: 15 Oct 2020 14:19

Tgt Ion: 85 Resp: 838

Ion Ratio Lower Upper

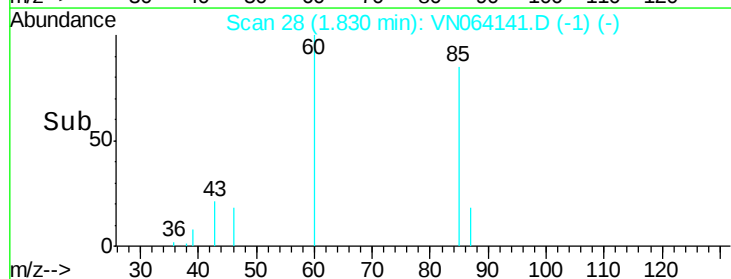
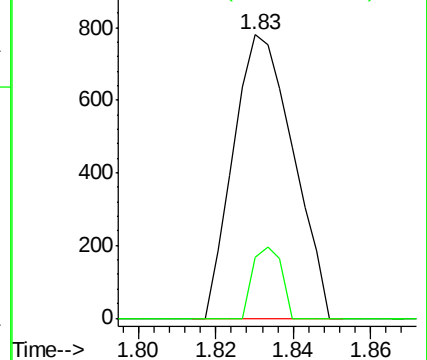
85 100

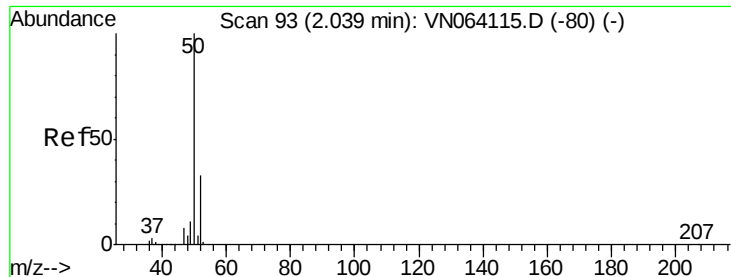
87 21.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#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

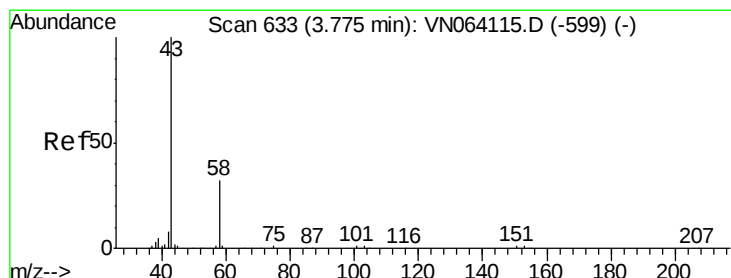
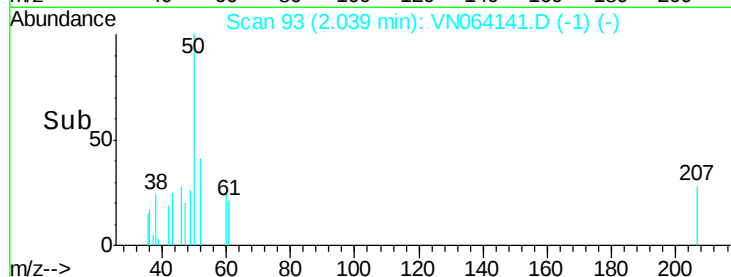
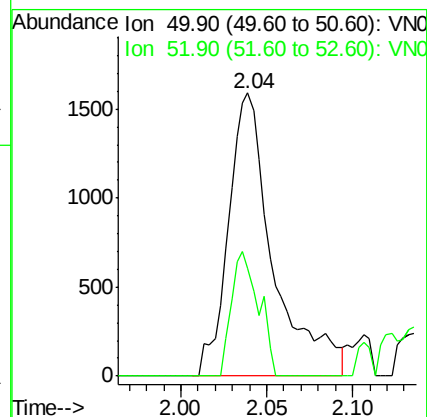
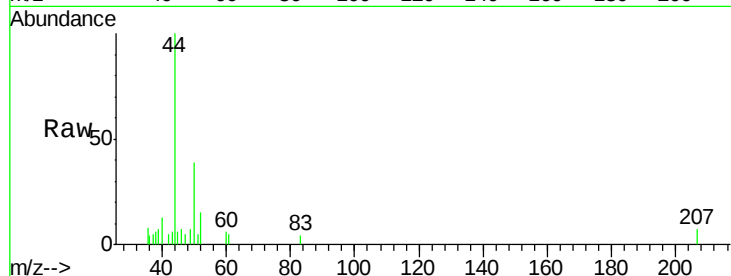
52 38.1 26.1 39.1

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#16

Acetone

Concen: 39.895 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064141.D

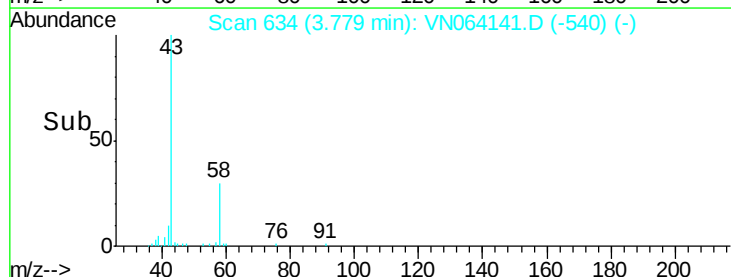
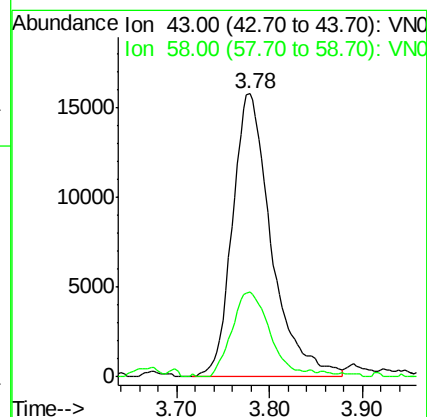
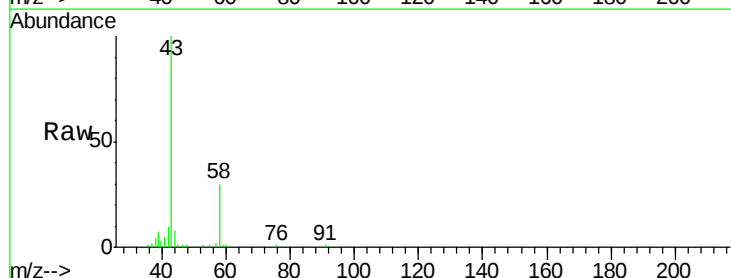
Acq: 15 Oct 2020 14:19

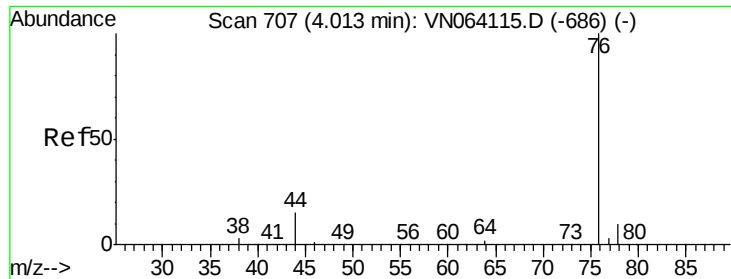
Tgt Ion: 43 Resp: 46053

Ion Ratio Lower Upper

43 100

58 29.0 25.2 37.8





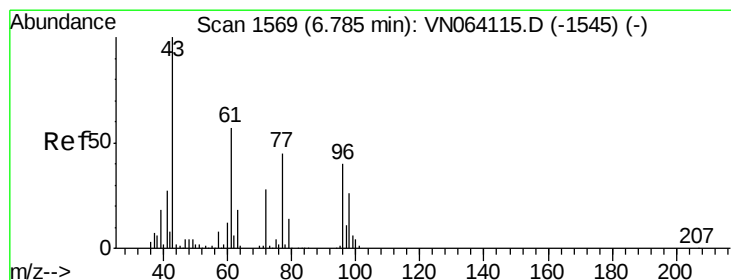
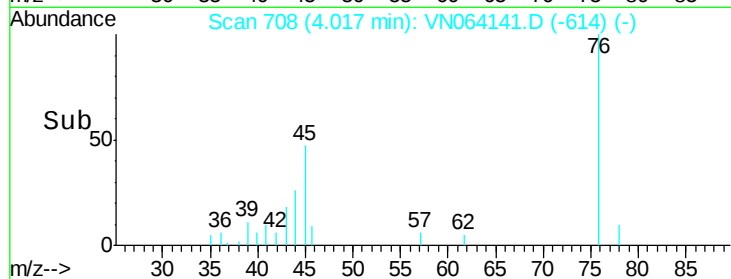
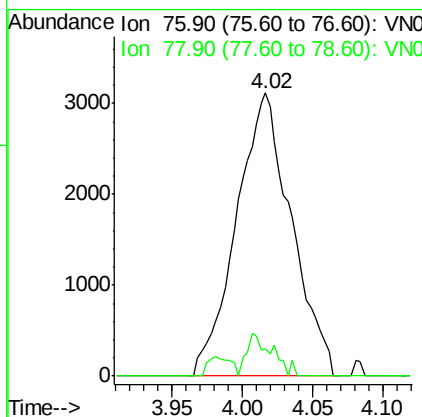
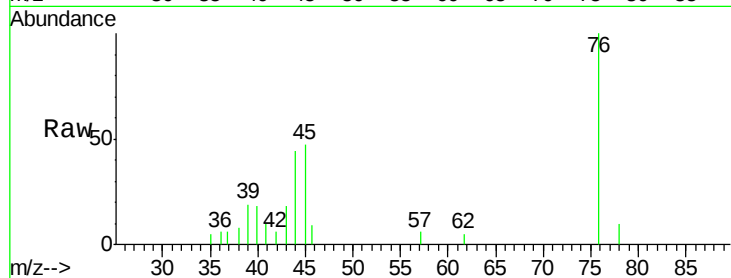
#17
Carbon Disulfide
Concen: 1.086 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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

Tot Ion: 76 Resp: 8450
Ion Ratio Lower Upper
76 100
78 9.8 7.6 11.4

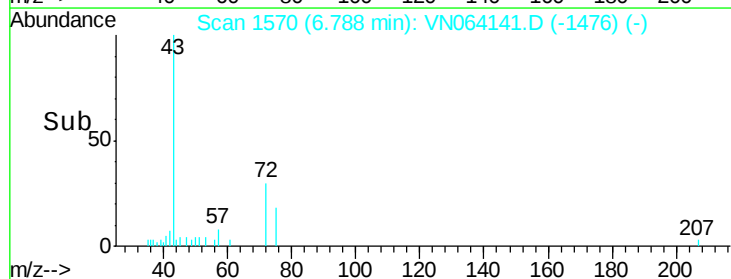
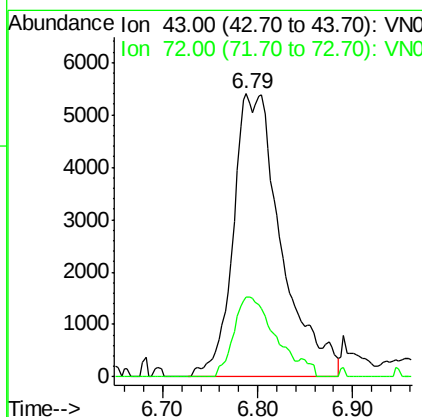
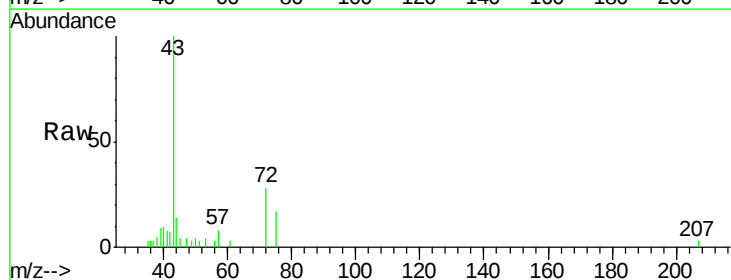
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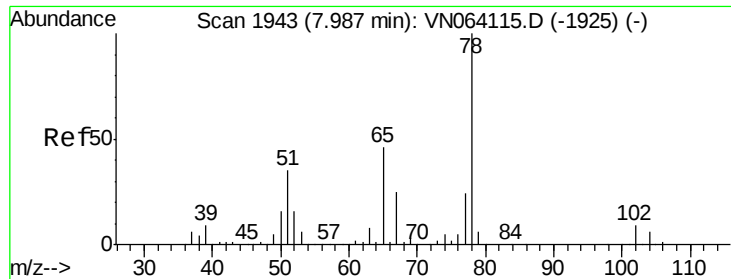
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#25
2-Butanone
Concen: 10.709 ug/l m
RT: 6.79 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion: 43 Resp: 19014
Ion Ratio Lower Upper
43 100
72 28.1 22.2 33.2





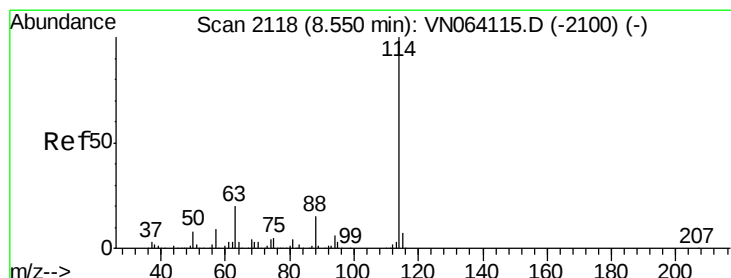
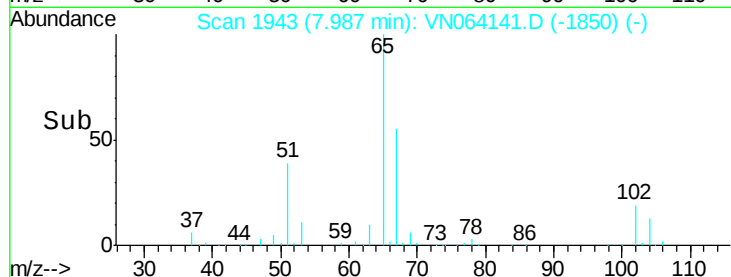
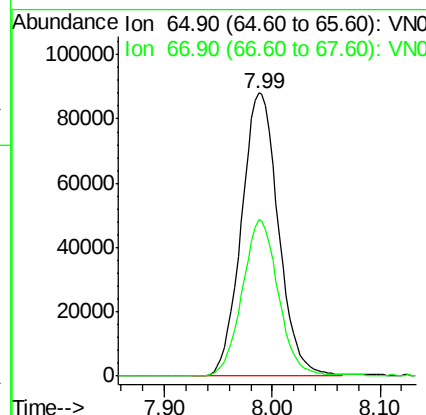
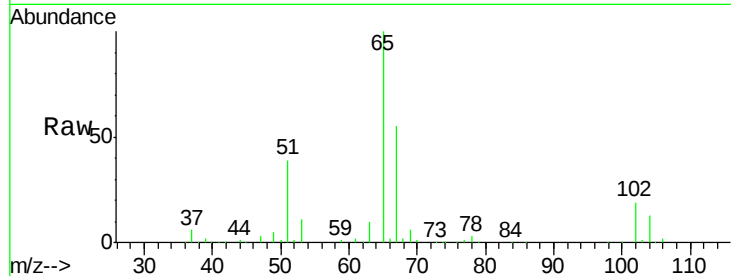
#33
 1,2-Dichloroethane-d4
 Concen: 53.982 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064141.D
 Acq: 15 Oct 2020 14:19

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

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

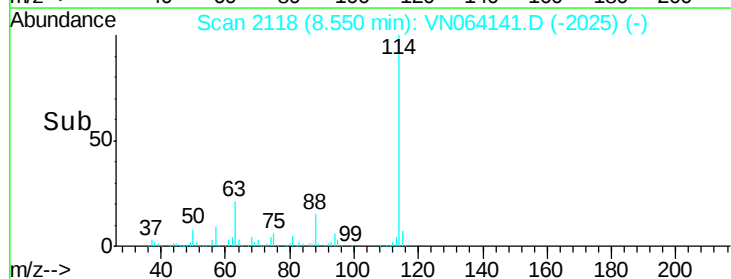
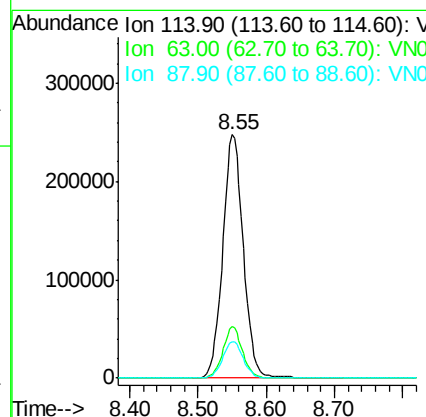
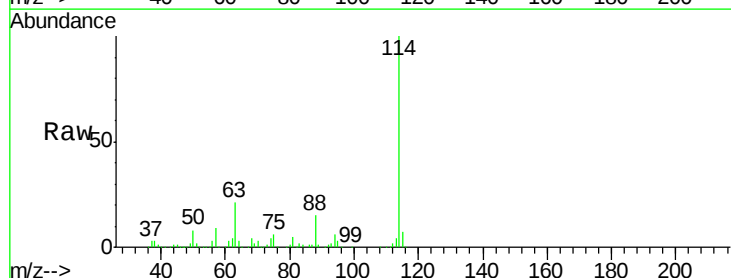
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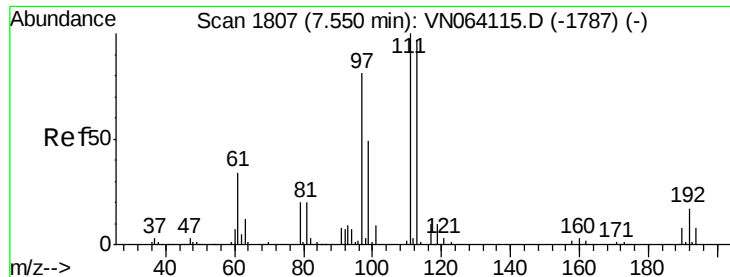
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064141.D
 Acq: 15 Oct 2020 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	517356		
63	21.0	0.0	41.0	
88	15.0	0.0	29.2	





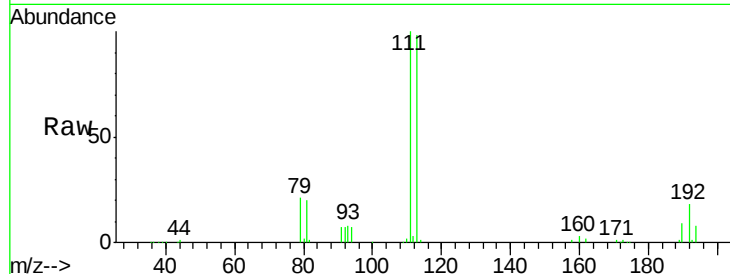
#35
Dibromofluoromethane
Concen: 50.569 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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

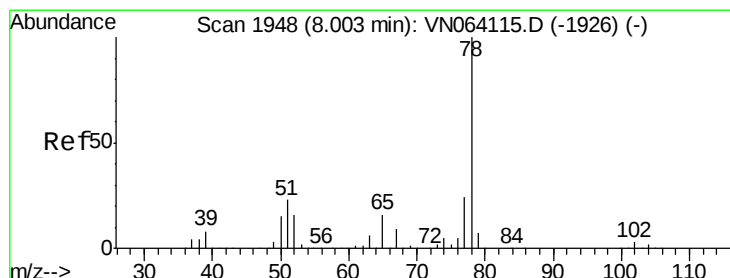
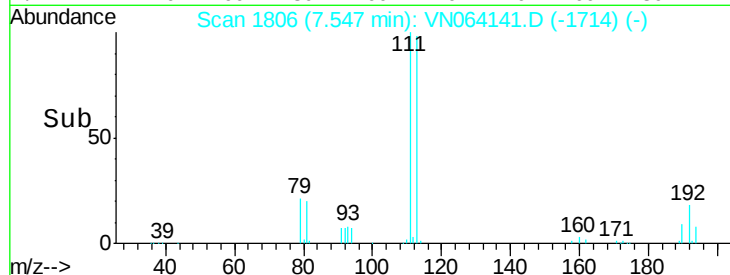
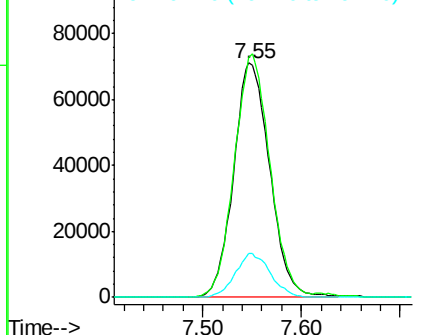
Tot Ion	Ratio	Resp	Lower	Upper
113	100	181081		
111	102.1	81.9	122.9	
192	18.2	14.3	21.5	

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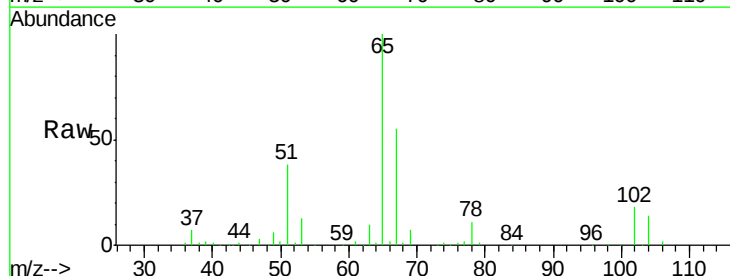


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

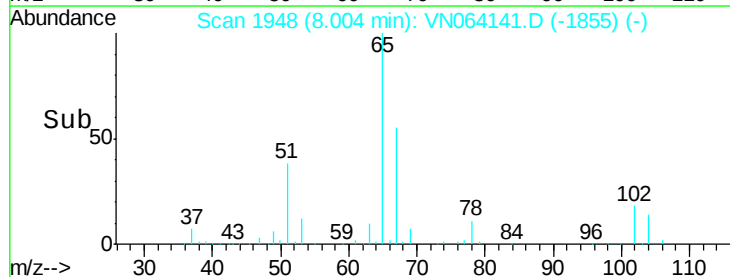
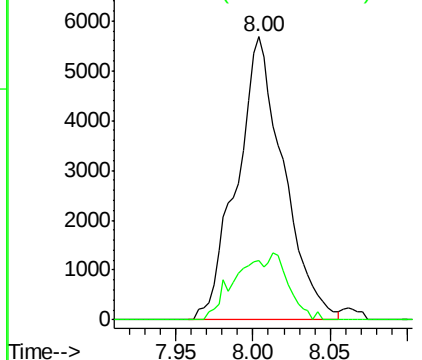


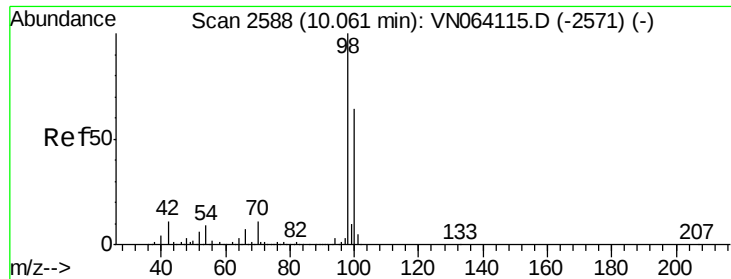
#40
Benzene
Concen: 0.793 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	11970		
77	21.1	19.3	28.9	



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#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

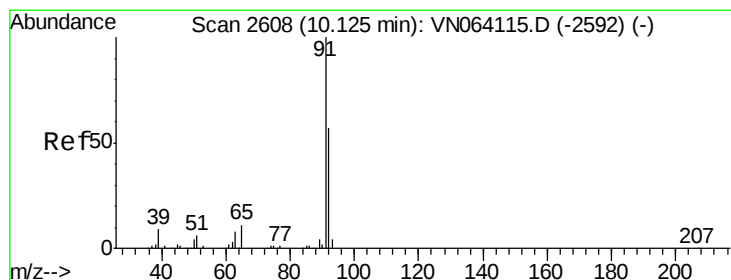
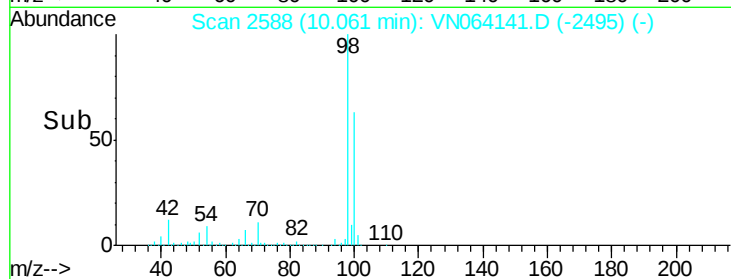
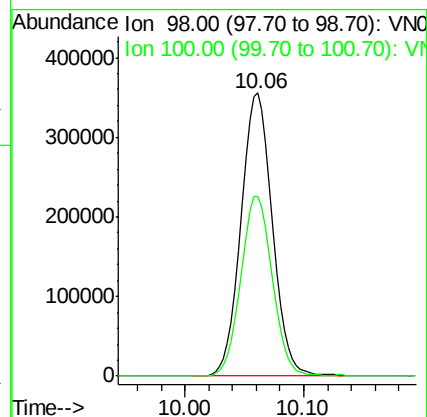
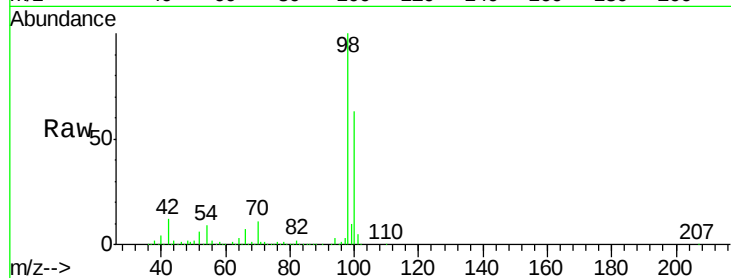
100 63.5 50.8 76.2

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#52

Toluene

Concen: 0.288 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064141.D

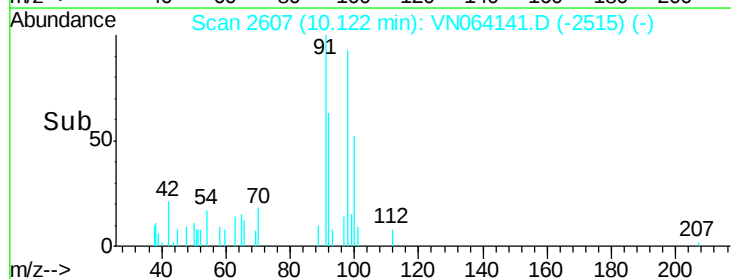
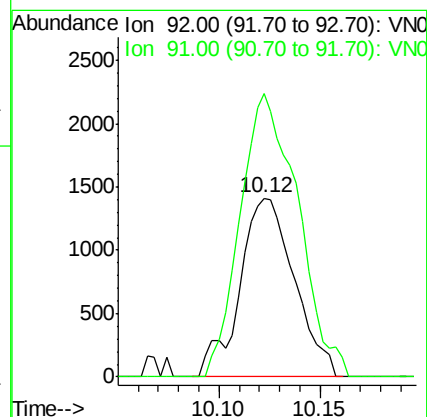
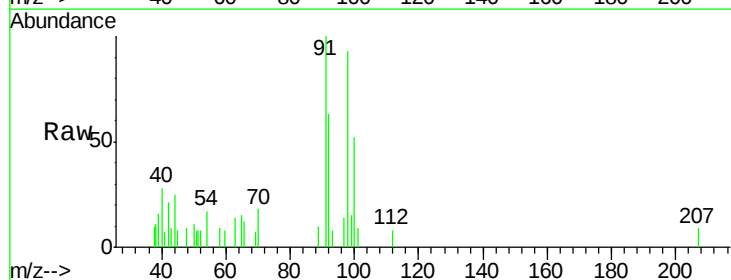
Acq: 15 Oct 2020 14:19

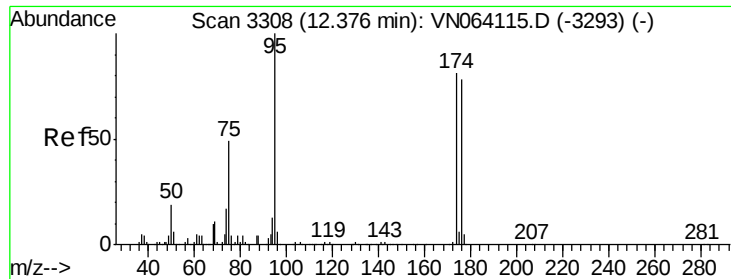
Tgt Ion: 92 Resp: 2674

Ion Ratio Lower Upper

92 100

91 167.1 141.2 211.8





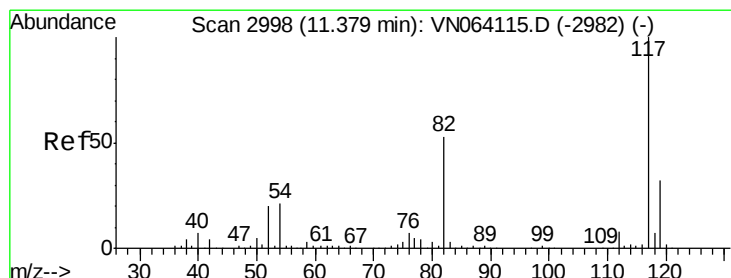
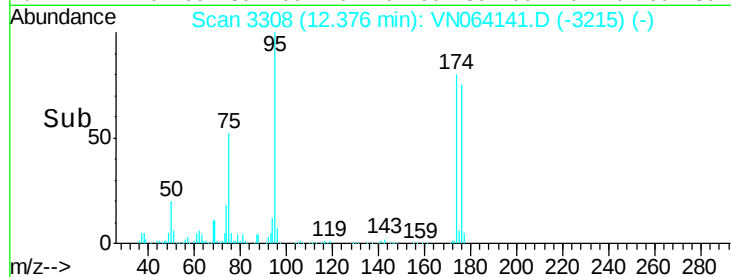
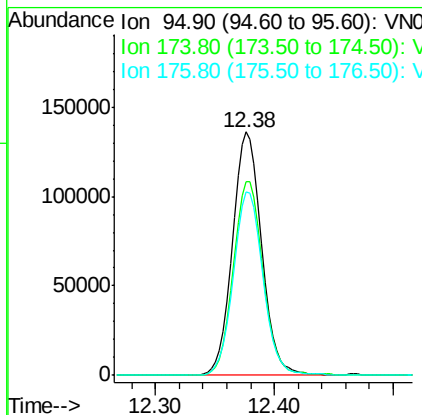
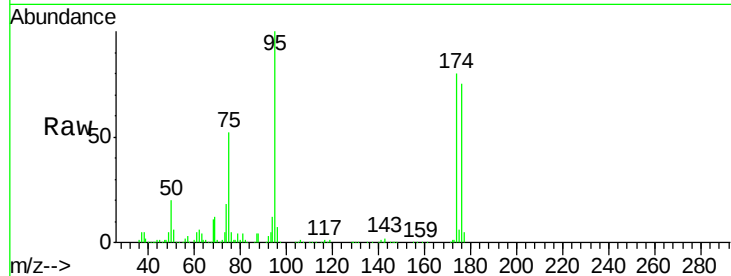
#62
4-Bromofluorobenzene
Concen: 49.823 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	231385		
174	81.1	0.0	164.8	
176	76.7	0.0	157.8	

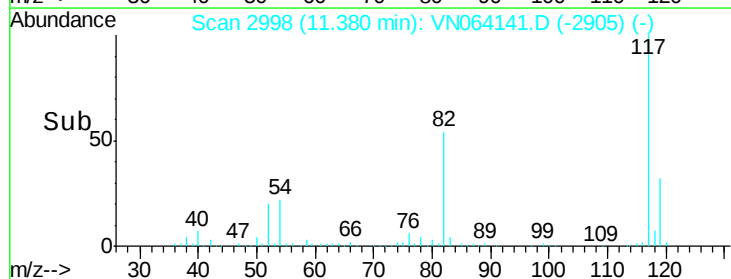
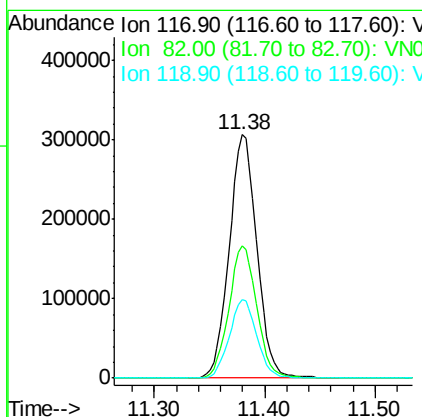
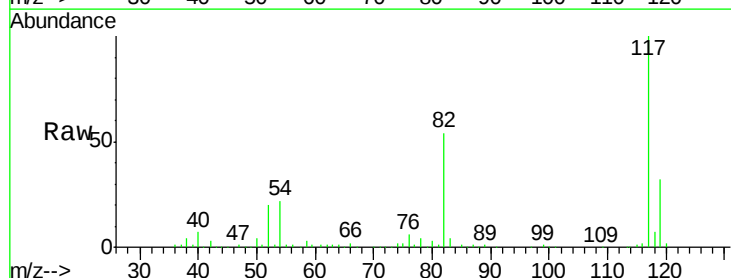
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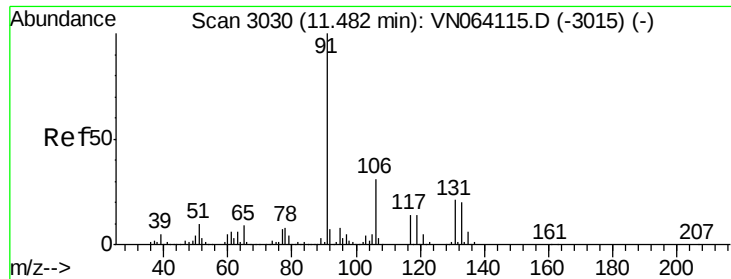
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	534401		
82	54.4	42.6	63.8	
119	32.1	25.5	38.3	





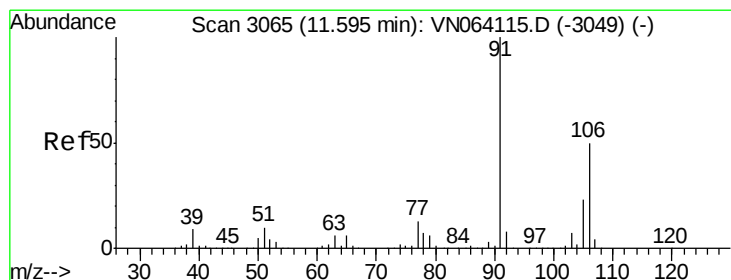
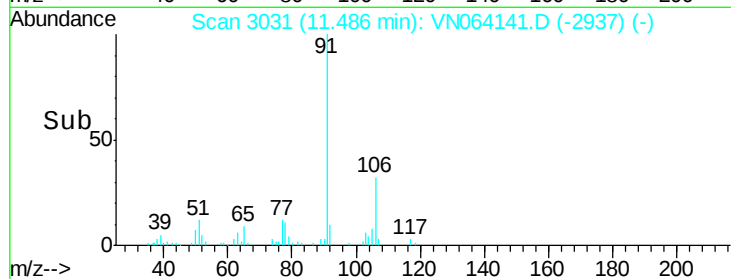
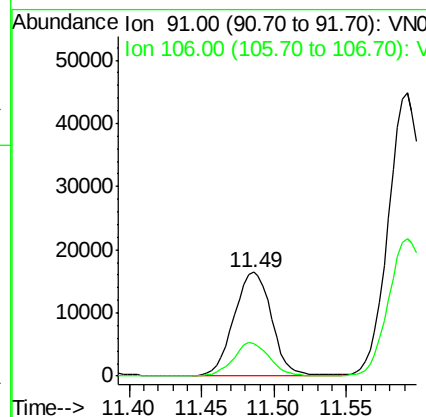
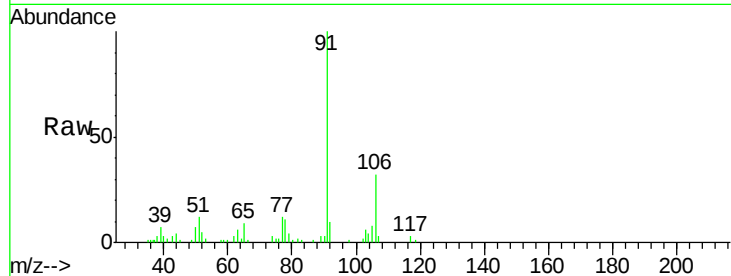
#67
Ethyl Benzene
Concen: 1.596 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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

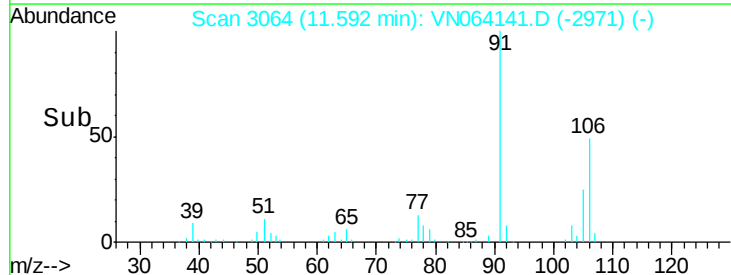
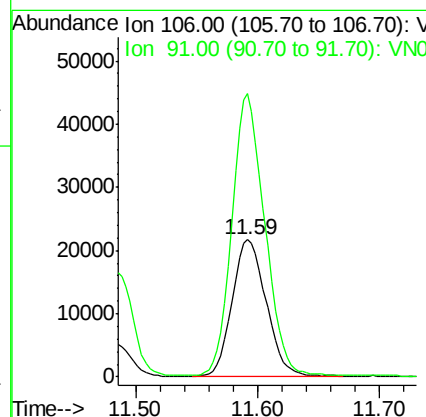
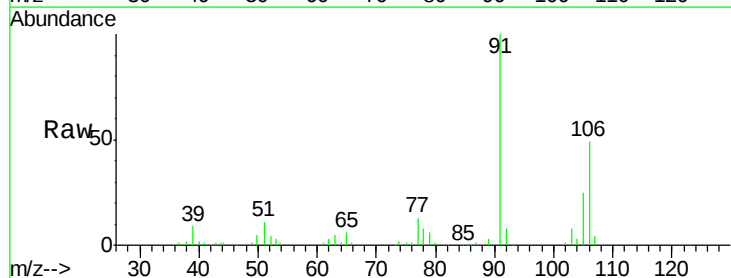
Manual Integrations
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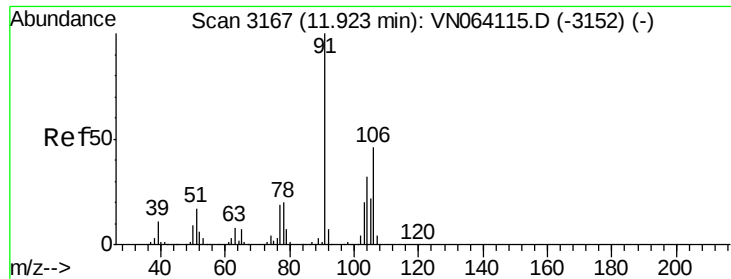
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#68
m/p-Xylenes
Concen: 7.549 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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





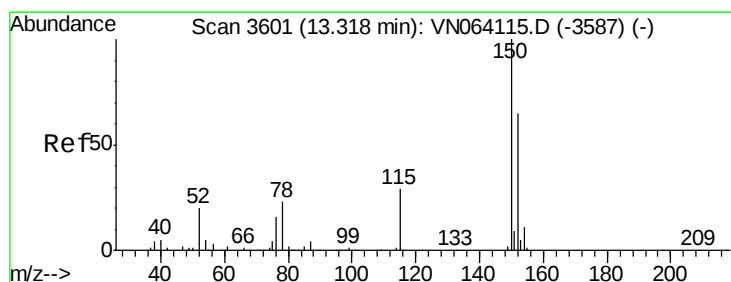
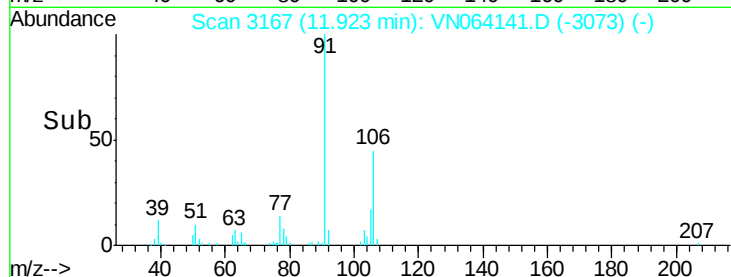
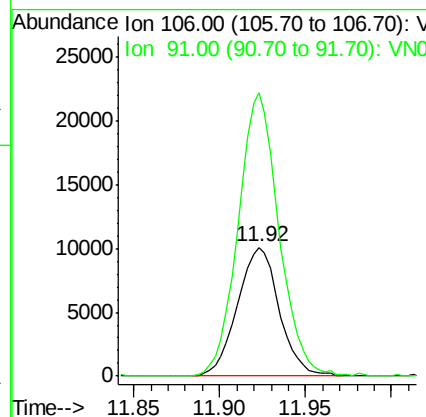
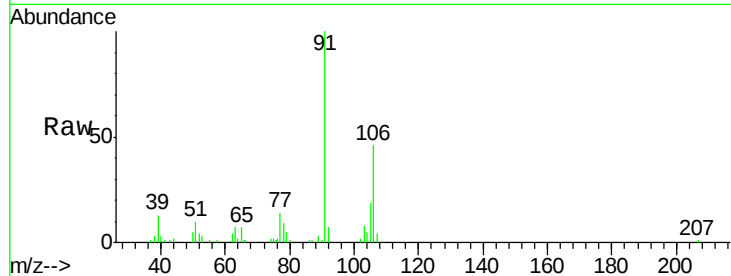
#69
o-Xylene
Concen: 3.809 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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

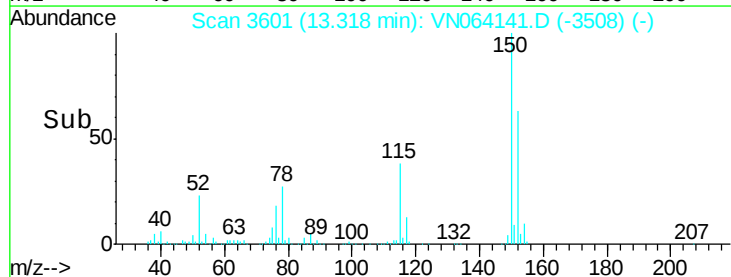
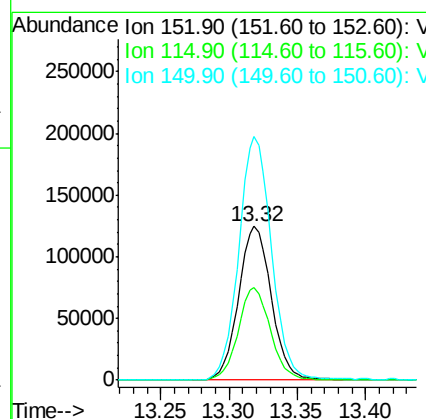
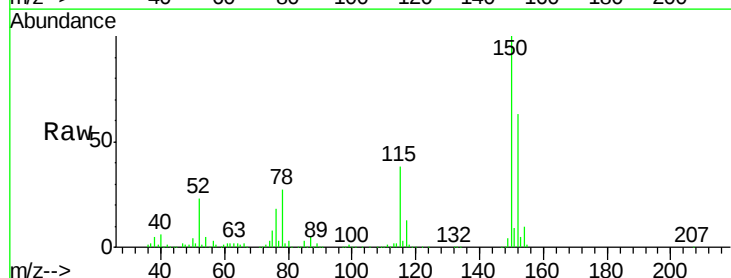
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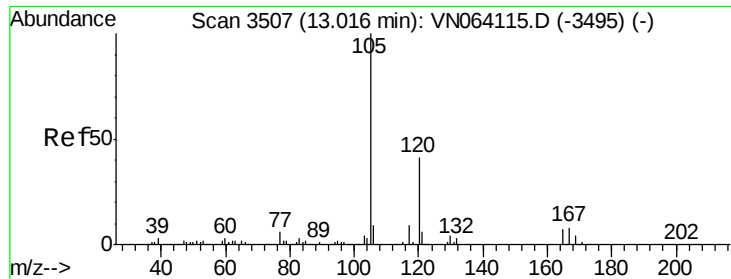
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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





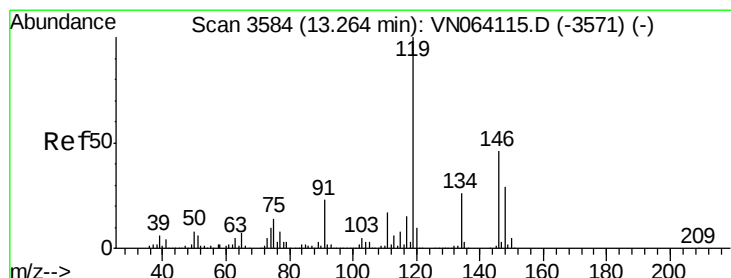
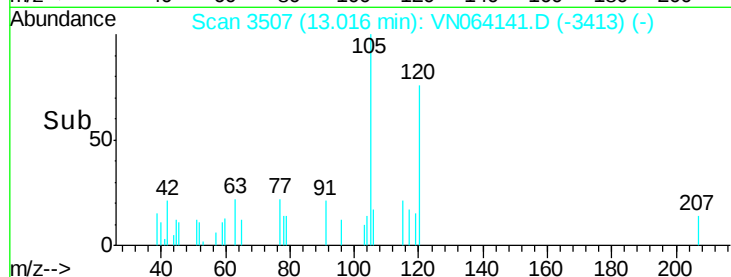
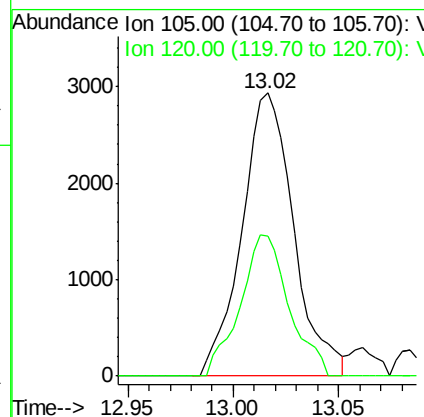
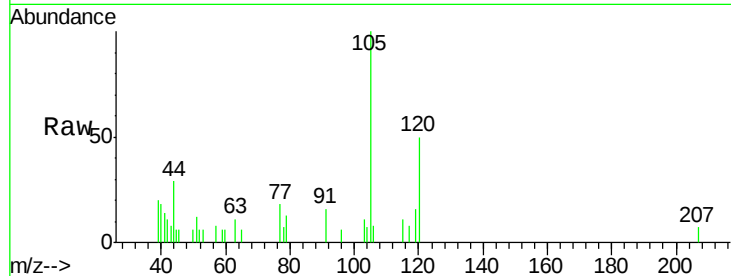
#84
1,2,4-Trimethylbenzene
Concen: 0.581 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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

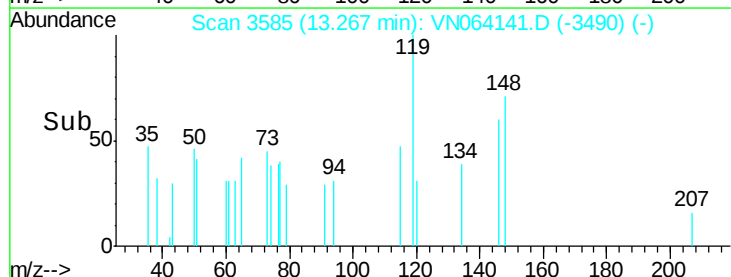
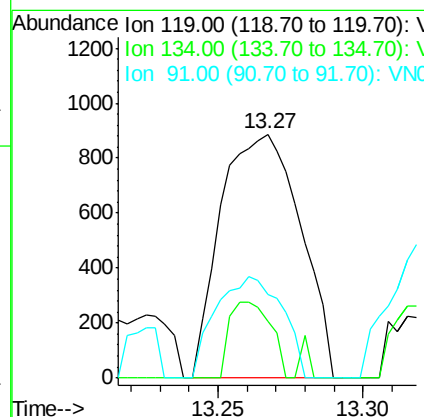
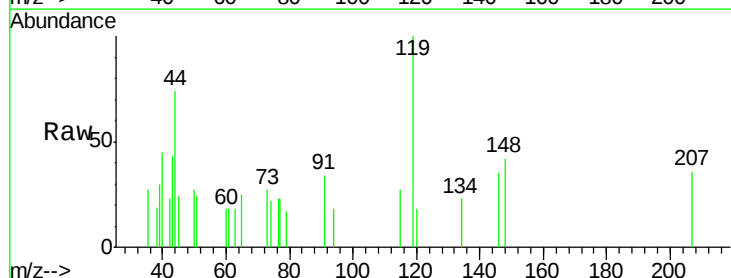
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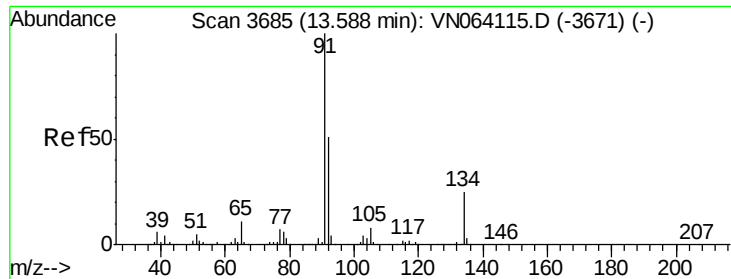
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#86
p-Isopropyltoluene
Concen: 0.799 ug/l
RT: 13.27 min Scan# 3585
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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





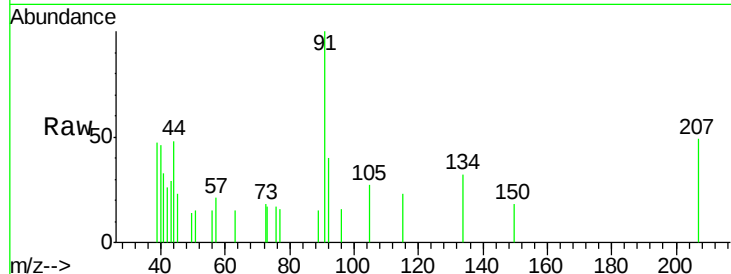
#89
n-Butylbenzene
Concen: 0.218 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064141.D
Acq: 15 Oct 2020 14:19

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

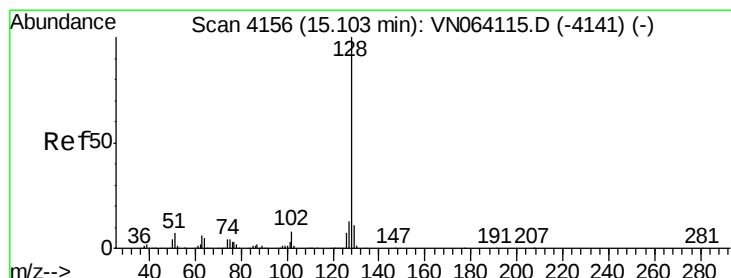
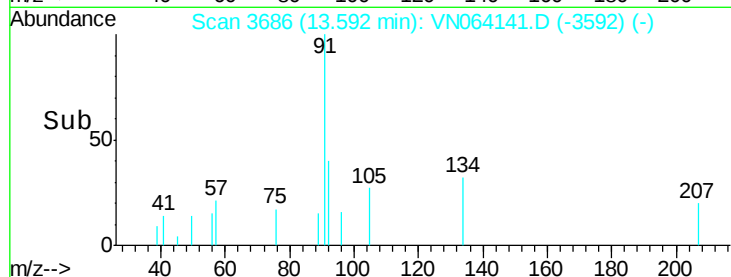
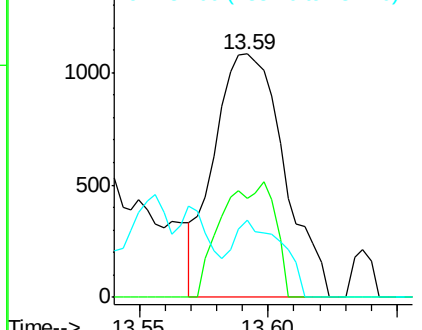
Tot Ion:	91	Resp:	2040
Ion	Ratio	Lower	Upper
91	100		
92	36.3	25.6	76.6
134	22.1	12.6	37.8

Manual Integrations
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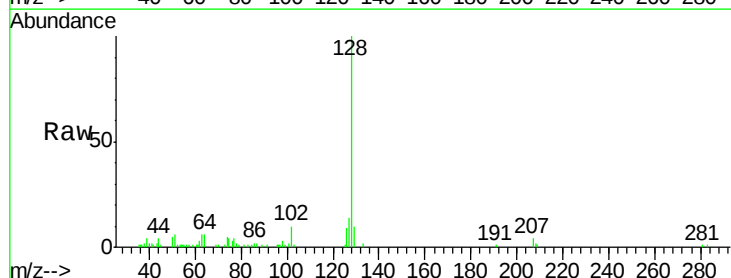


Abundance Ion 91.00 (90.70 to 91.70): VN064141.D (-3671) (-)
Ion 92.00 (91.70 to 92.70): VN064141.D (-3671) (-)
Ion 134.00 (133.70 to 134.70): VN064141.D (-3671) (-)



#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): VN064115.D (-4141) (-)
Ion 127.00 (126.70 to 127.70): VN064115.D (-4141) (-)
Ion 129.00 (128.70 to 129.70): VN064115.D (-4141) (-)

