

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082620\
 Data File : VN063141.D
 Acq On : 26 Aug 2020 18:35
 Operator : JC/MD
 Sample : L3792-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

Quant Time: Aug 27 02:07:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	159182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	265524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130165	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	96240	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
35) Dibromofluoromethane	7.55	113	85183	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	10.06	98	340102	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.38	95	130768	55.76	ug/l	0.00
Spiked Amount			Recovery	=	111.52%	

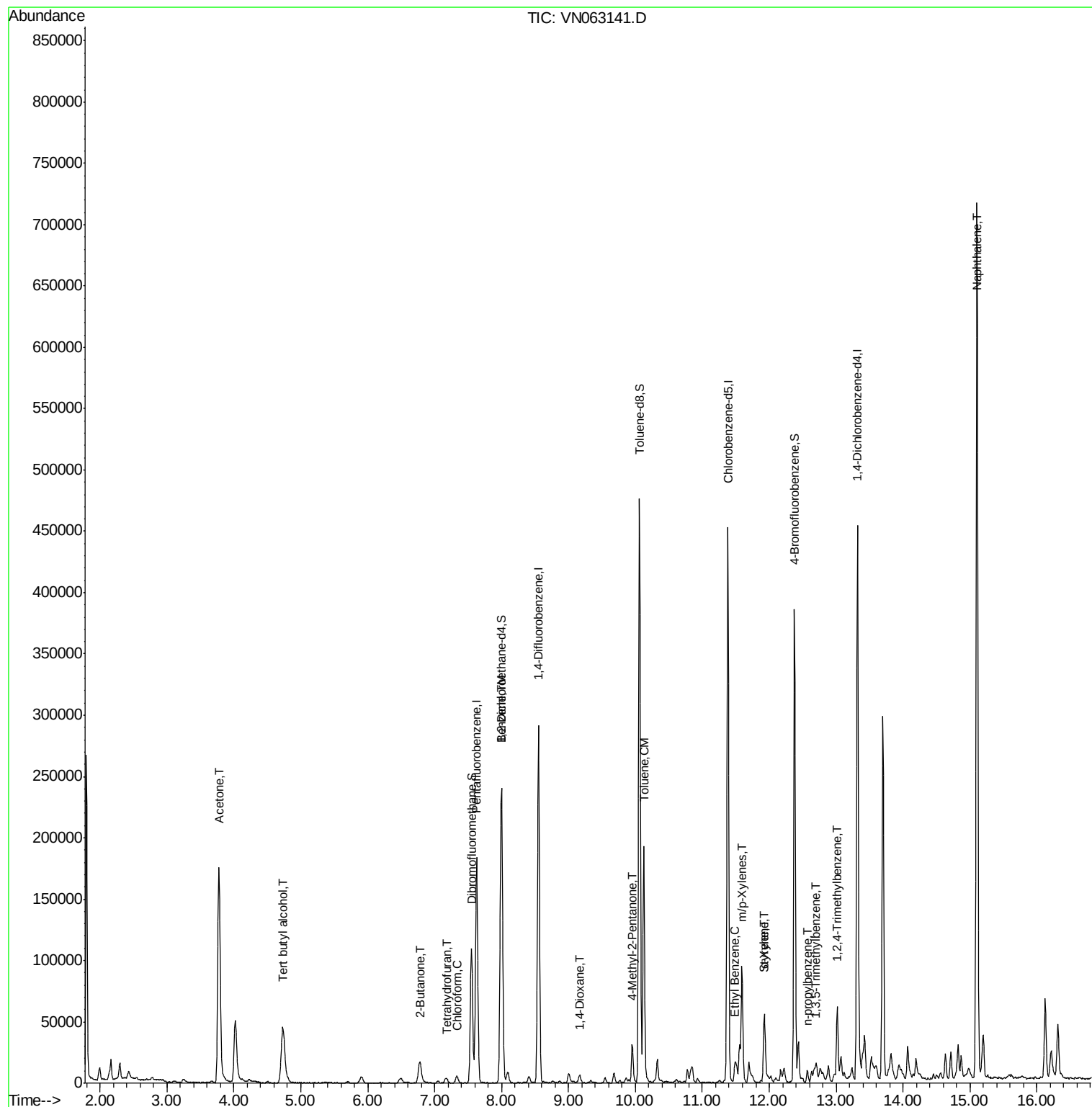
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	92737	347.032	ug/l	100
16) Acetone	3.78	43	298802	512.006	ug/l	98
25) 2-Butanone	6.79	43	12827	12.806	ug/l	94
29) Tetrahydrofuran	7.18	42	2316	3.583	ug/l #	75
30) Chloroform	7.33	83	6842	2.249	ug/l	99
40) Benzene	8.00	78	173659	23.400	ug/l	99
49) 1,4-Dioxane	9.17	88	4012	119.753	ug/l	87
51) 4-Methyl-2-Pentanone	9.95	43	23867	10.395	ug/l	95
52) Toluene	10.13	92	85311	19.056	ug/l	100
67) Ethyl Benzene	11.49	91	16225	1.764	ug/l #	88
68) m/p-Xylenes	11.59	106	29856	8.736	ug/l	99
69) o-Xylene	11.92	106	13639	4.156	ug/l	95
70) Styrene	11.94	104	13560	3.926	ug/l	92
78) n-propylbenzene	12.57	91	4531	0.446	ug/l #	57
80) 1,3,5-Trimethylbenzene	12.71	105	4553	0.618	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	34614	4.822	ug/l	99
95) Naphthalene	15.10	128	615185	110.728	ug/l	99

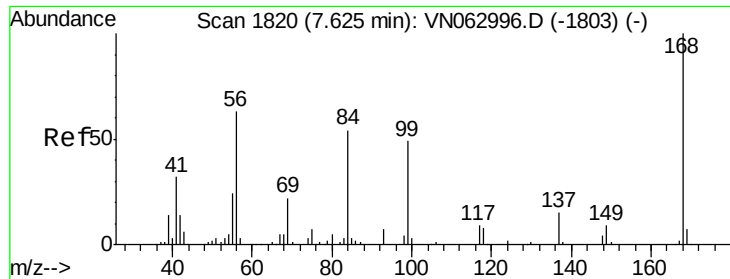
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063141.D

Acq: 26 Aug 2020 18:35

Instrument :

MSVOA_N

ClientSampleId :

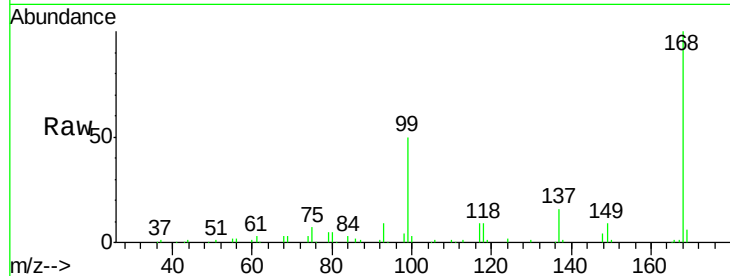
COMP-3

Tot Ion:168 Resp: 159182

Ion Ratio Lower Upper

168 100

99 49.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

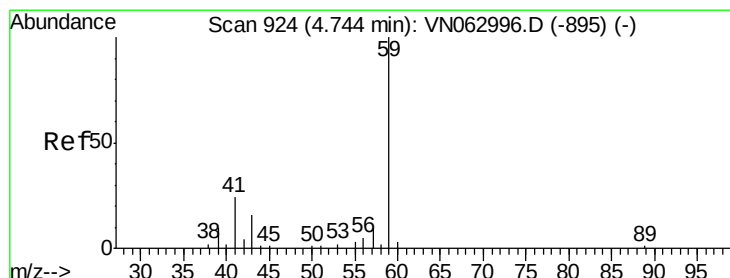
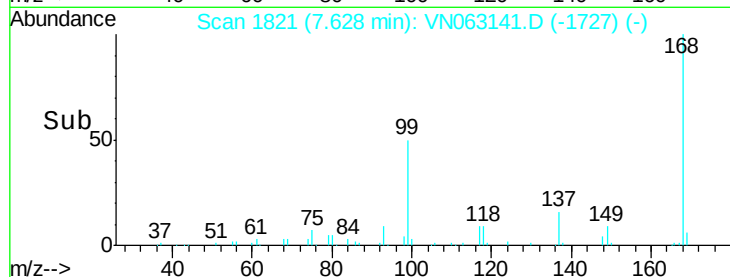
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 347.032 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.01 min

Lab File: VN063141.D

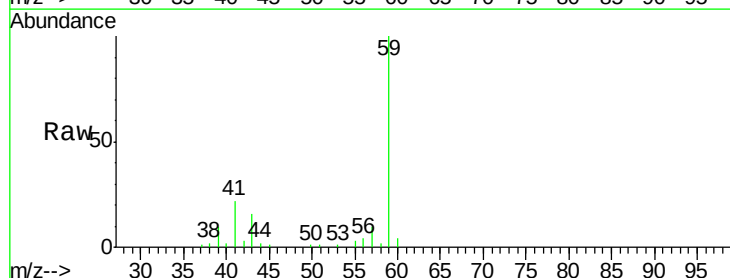
Acq: 26 Aug 2020 18:35

Tgt Ion: 59 Resp: 92737

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

25000

20000

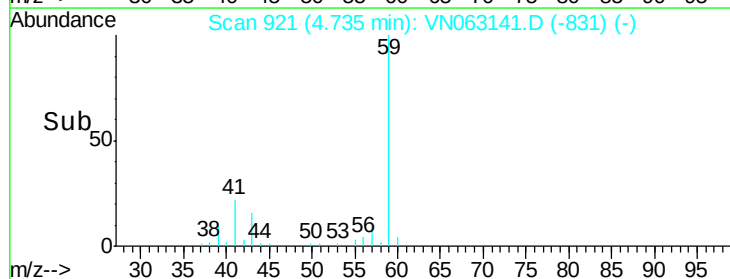
15000

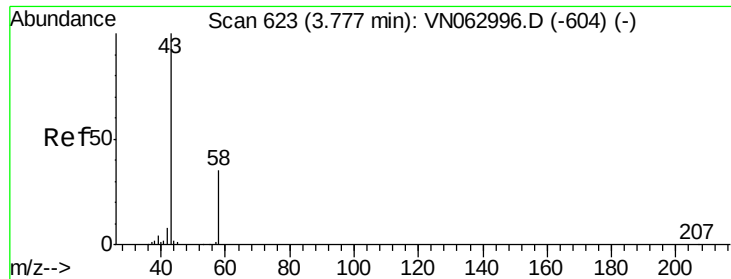
10000

5000

0

Time--> 4.60 4.70 4.80 4.90





#16

Acetone

Concen: 512.006 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063141.D

Acq: 26 Aug 2020 18:35

Instrument :

MSVOA_N

ClientSampled :

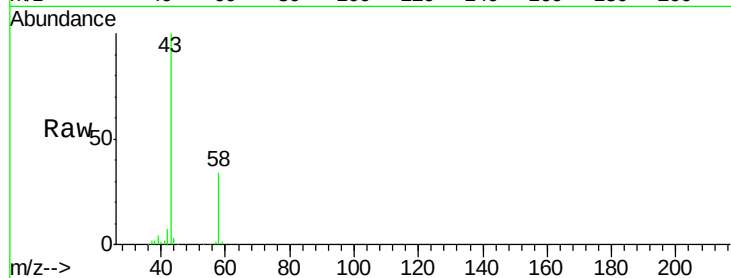
COMP-3

Tot Ion: 43 Resp: 298802

Ion Ratio Lower Upper

43 100

58 33.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

120000

100000

80000

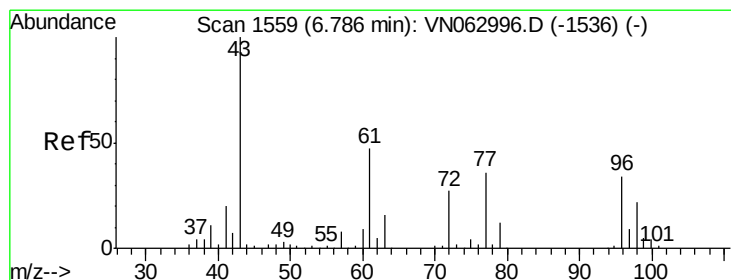
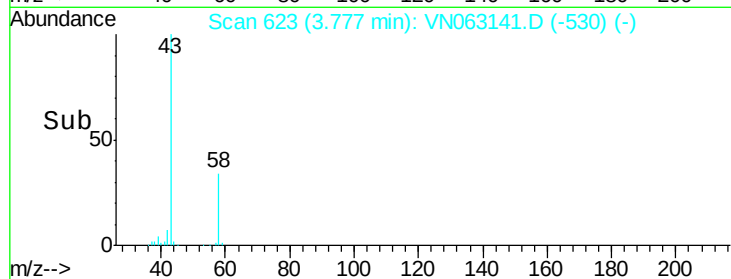
60000

40000

20000

0

Time-->



#25

2-Butanone

Concen: 12.806 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN063141.D

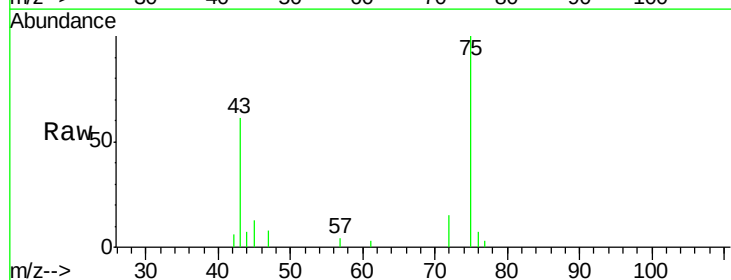
Acq: 26 Aug 2020 18:35

Tgt Ion: 43 Resp: 12827

Ion Ratio Lower Upper

43 100

72 23.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

4000

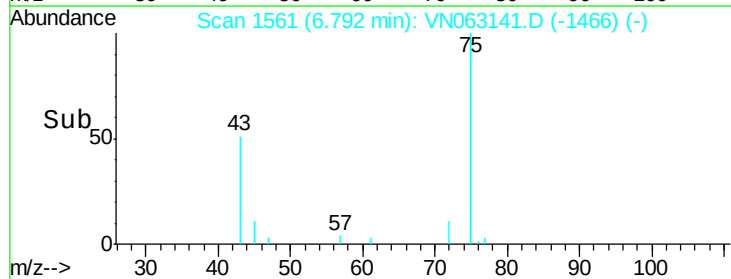
3000

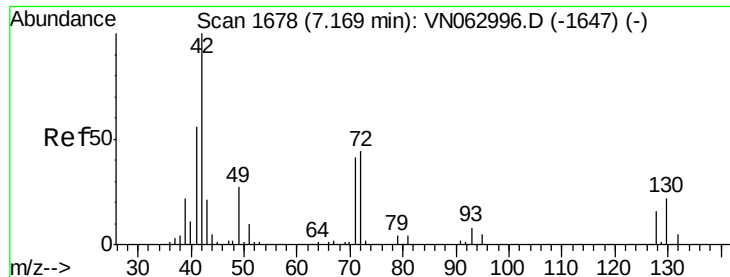
2000

1000

0

Time-->





#29

Tetrahydrofuran

Concen: 3.583 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN063141.D

Acq: 26 Aug 2020 18:35

Instrument :

MSVOA_N

ClientSampled :

COMP-3

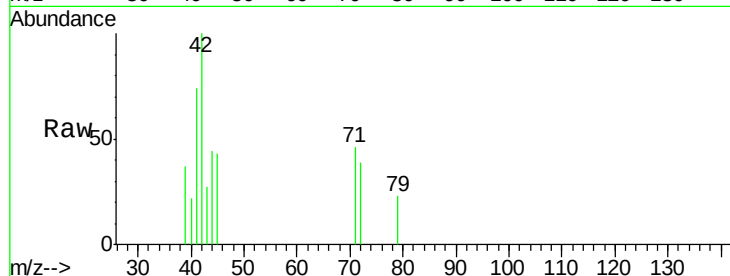
Tot Ion: 42 Resp: 2316

Ion Ratio Lower Upper

42 100

72 32.3 34.6 52.0#

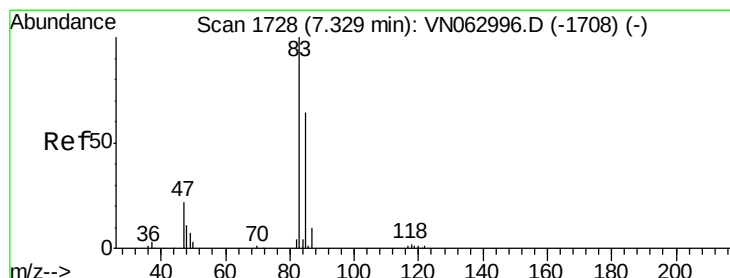
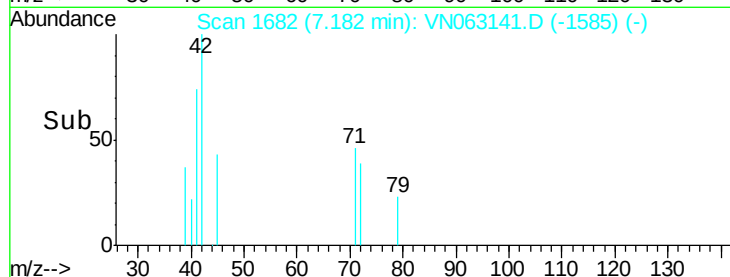
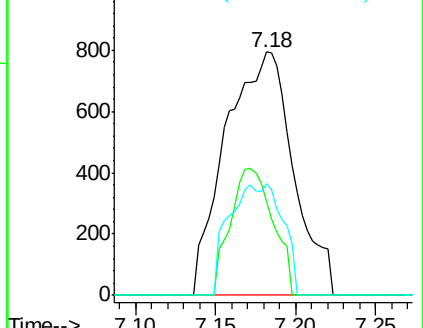
71 19.3 32.3 48.5#



Abundance Ion 42.00 (41.70 to 42.70): VN062996.D (-1647) (-)

Ion 72.00 (71.70 to 72.70): VN062996.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN062996.D (-1647) (-)



#30

Chloroform

Concen: 2.249 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN063141.D

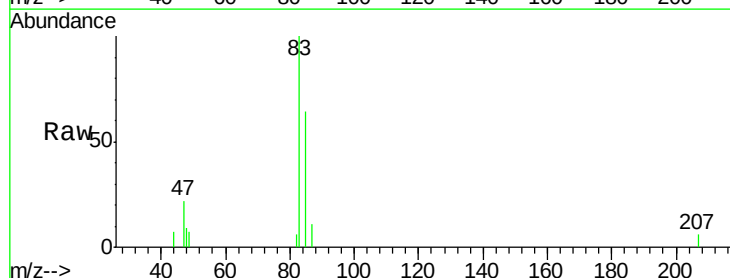
Acq: 26 Aug 2020 18:35

Tgt Ion: 83 Resp: 6842

Ion Ratio Lower Upper

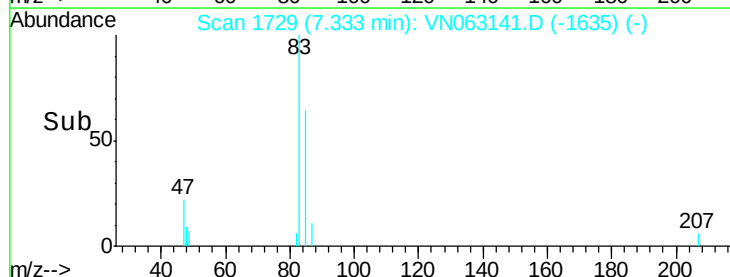
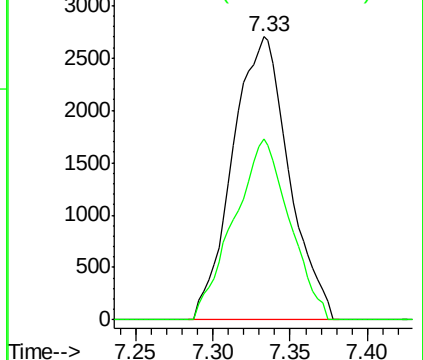
83 100

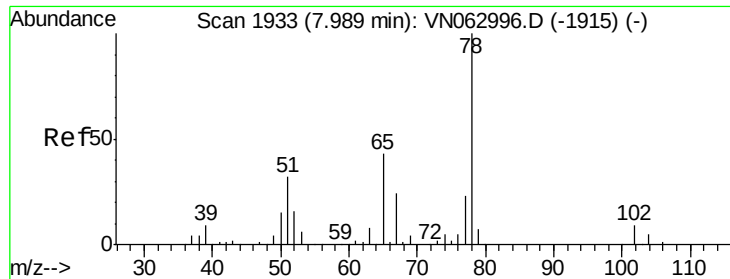
85 63.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VN062996.D (-1708) (-)

Ion 84.90 (84.60 to 85.60): VN062996.D (-1708) (-)

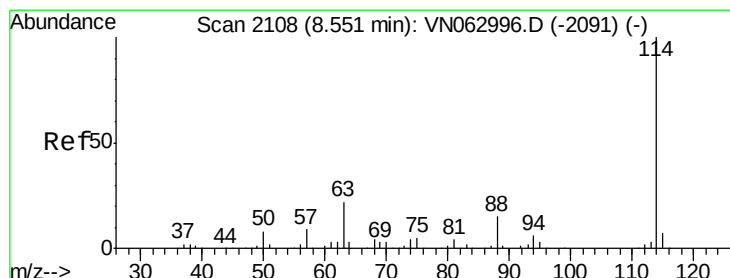
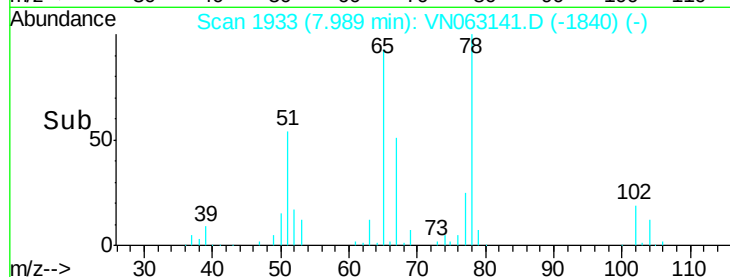
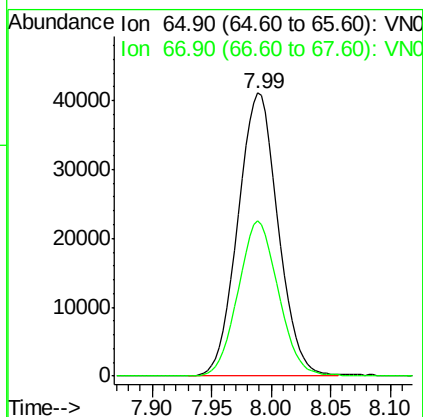
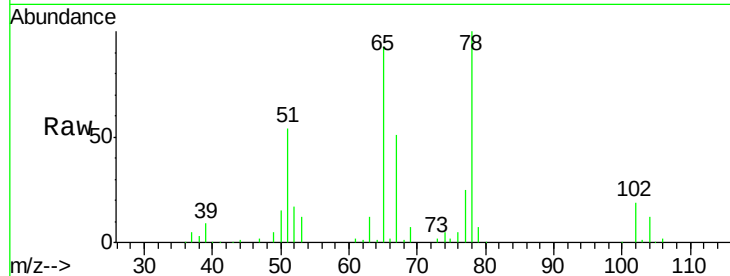




#33
 1,2-Dichloroethane-d4
 Concen: 51.012 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063141.D
 Acq: 26 Aug 2020 18:35

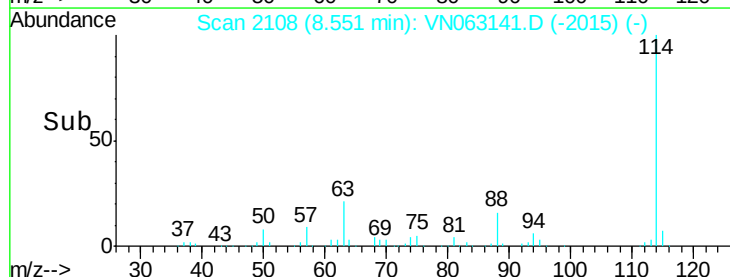
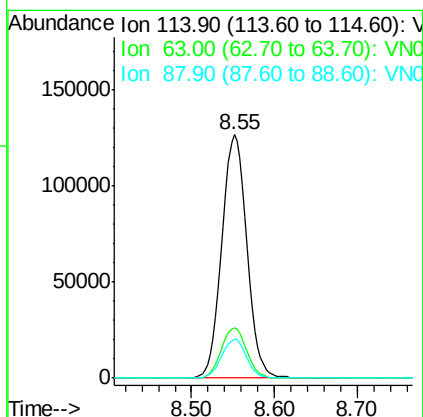
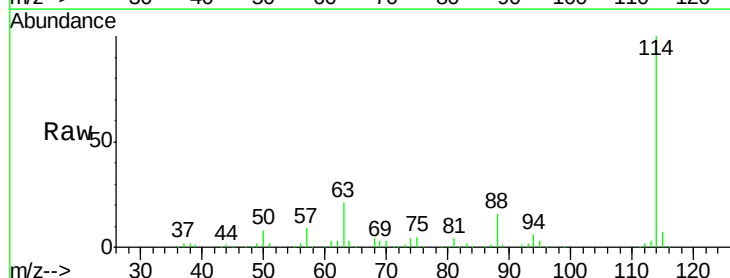
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

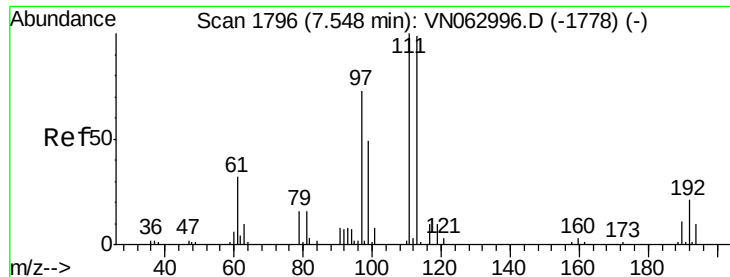
Tot Ion: 65 Resp: 96240
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063141.D
 Acq: 26 Aug 2020 18:35

Tgt Ion: 114 Resp: 265524
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.2
 88 16.0 0.0 30.6

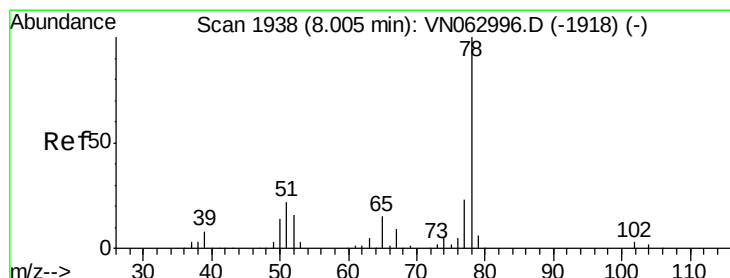
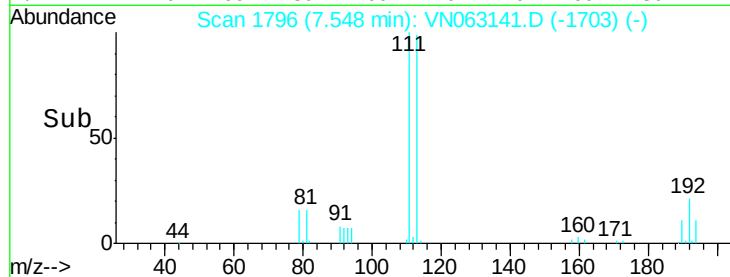
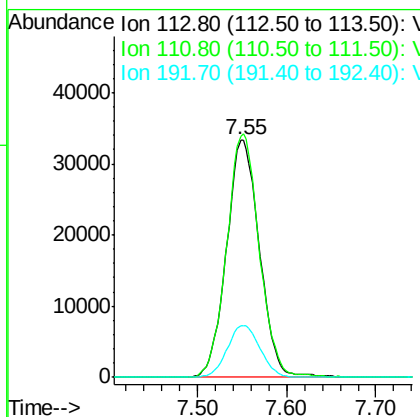
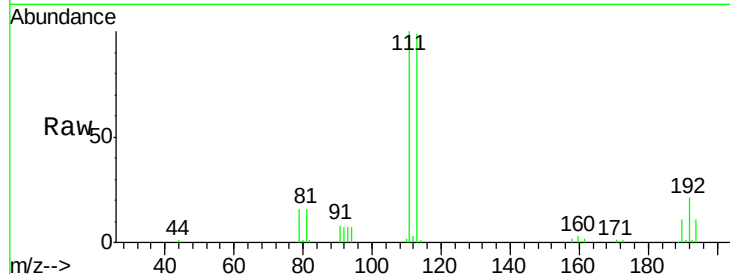




#35
Dibromofluoromethane
Concen: 49.235 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

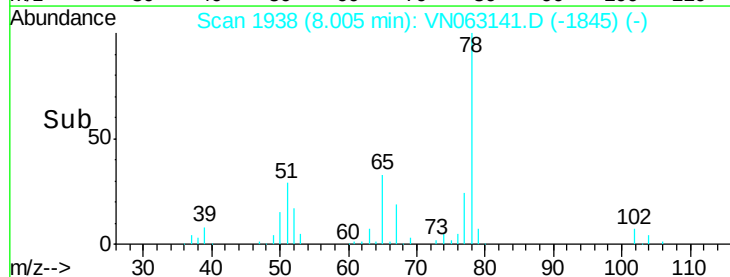
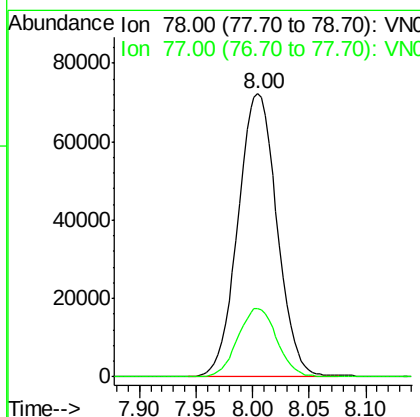
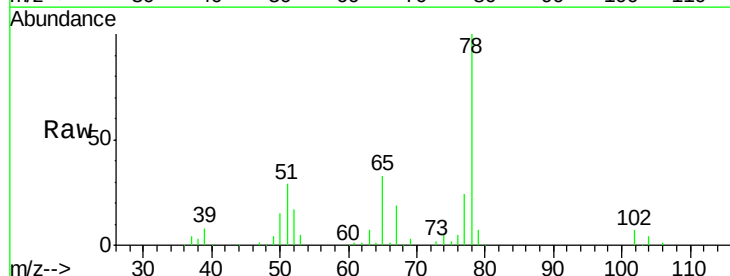
Instrument :
MSVOA_N
ClientSampled :
COMP-3

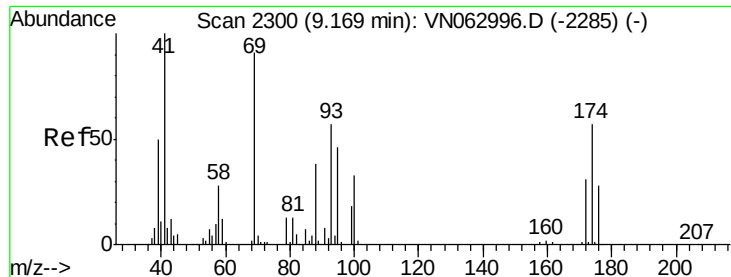
Tot Ion:113 Resp: 85183
Ion Ratio Lower Upper
113 100
111 101.5 81.7 122.5
192 21.7 17.5 26.3



#40
Benzene
Concen: 23.400 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Tgt Ion: 78 Resp: 173659
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2

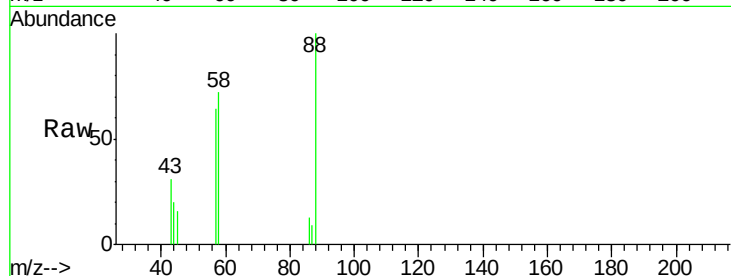




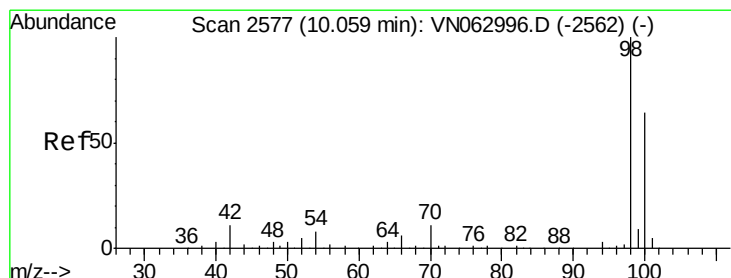
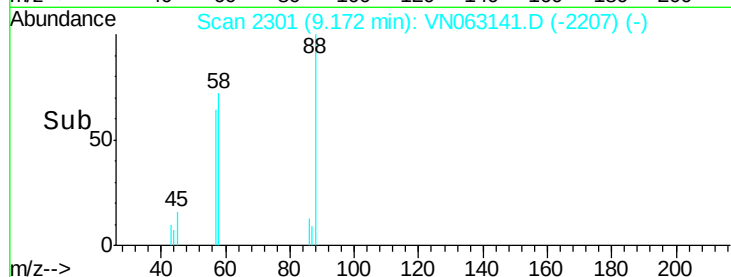
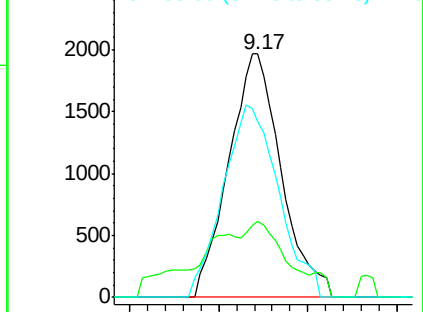
#49
1,4-Dioxane
Concen: 119.753 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion: 88 Resp: 4012
Ion Ratio Lower Upper
88 100
43 26.9 25.2 37.8
58 83.5 56.7 85.1

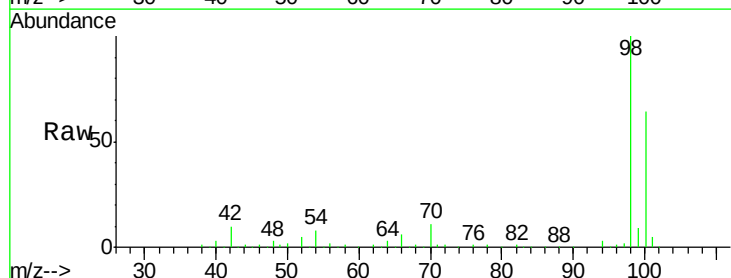


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

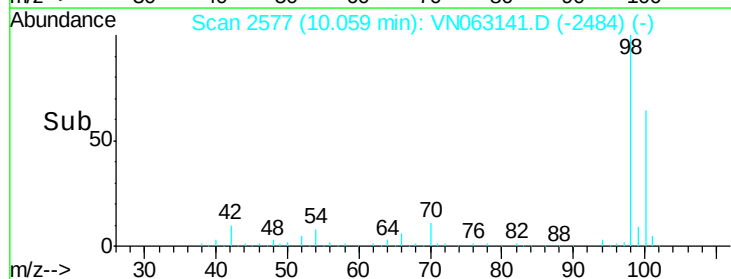
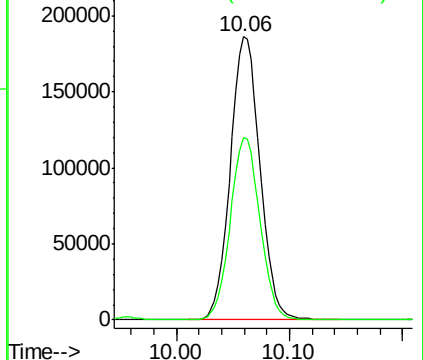


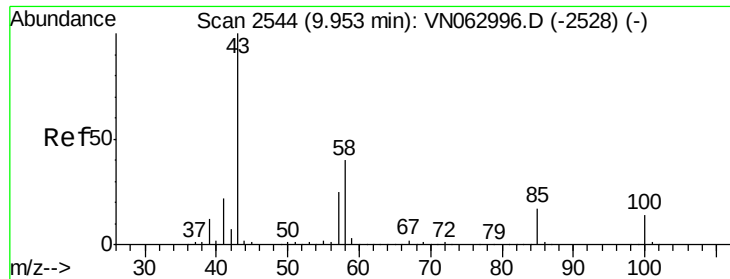
#50
Toluene-d8
Concen: 51.177 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Tgt Ion: 98 Resp: 340102
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 10.395 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063141.D

Acq: 26 Aug 2020 18:35

Instrument :

MSVOA_N

ClientSampled :

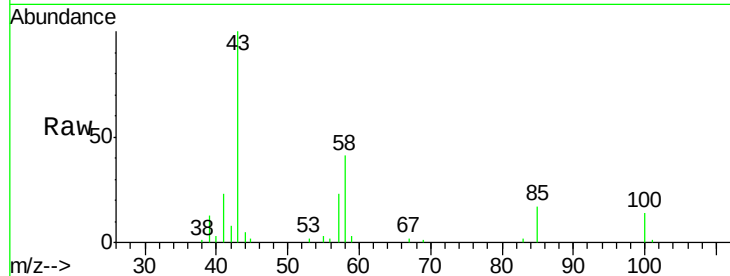
COMP-3

Tot Ion: 43 Resp: 23867

Ion Ratio Lower Upper

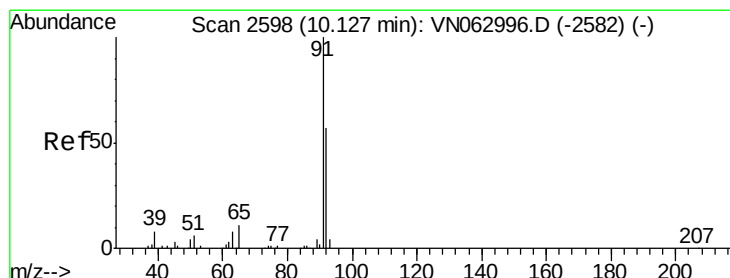
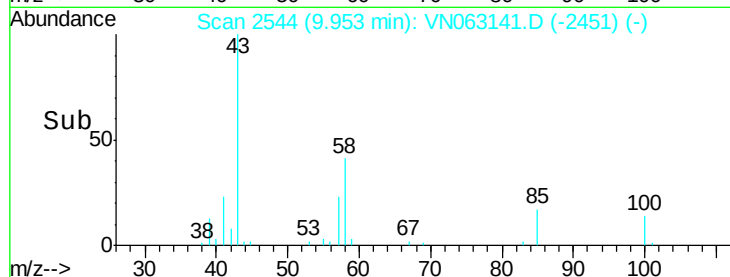
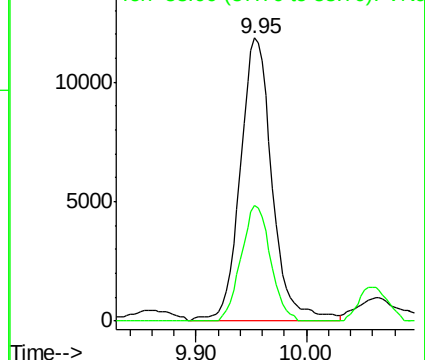
43 100

58 37.3 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.056 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063141.D

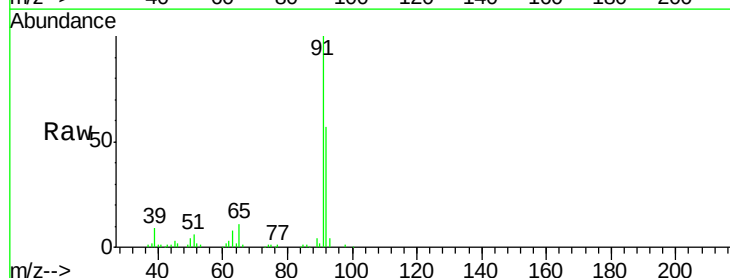
Acq: 26 Aug 2020 18:35

Tgt Ion: 92 Resp: 85311

Ion Ratio Lower Upper

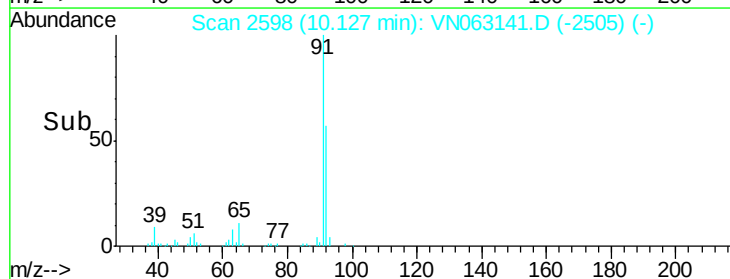
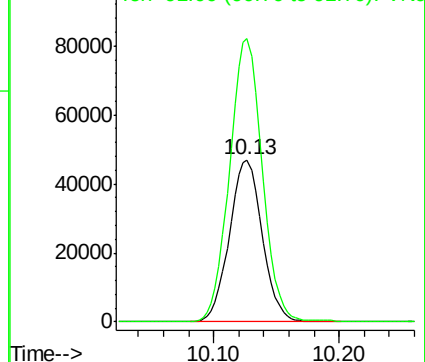
92 100

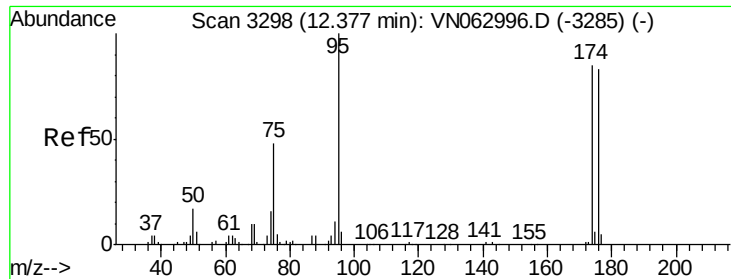
91 174.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

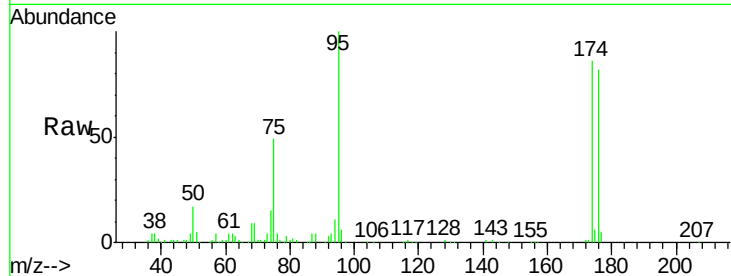




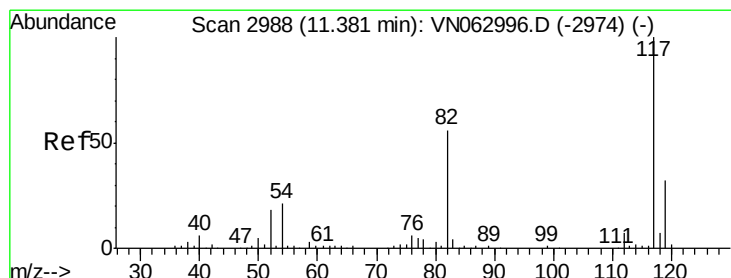
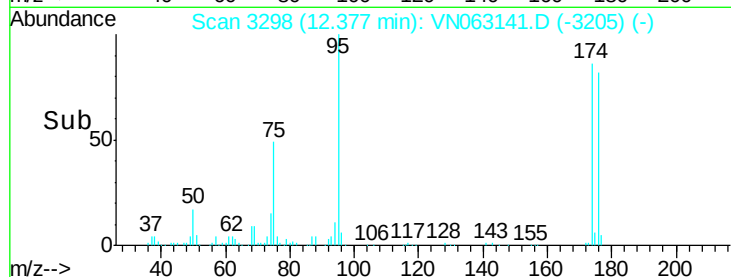
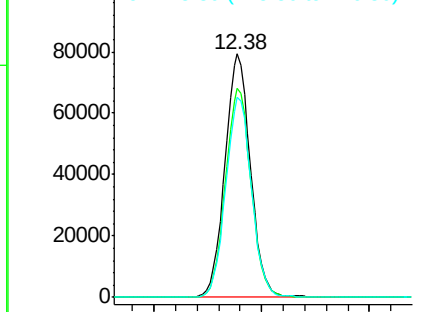
#62
4-Bromofluorobenzene
Concen: 55.762 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion	95	Resp	130768
Ion Ratio	Lower	Upper	
95	100		
174	86.2	0.0	170.8
176	82.9	0.0	164.8

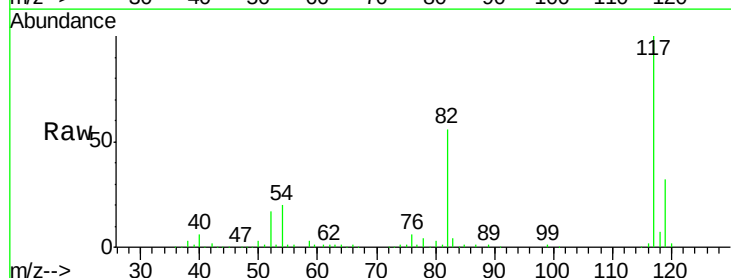


Abundance Ion 94.90 (94.60 to 95.60): VN063141.D (-3205) (-)

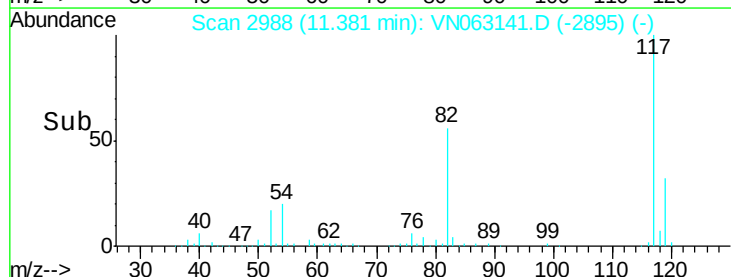
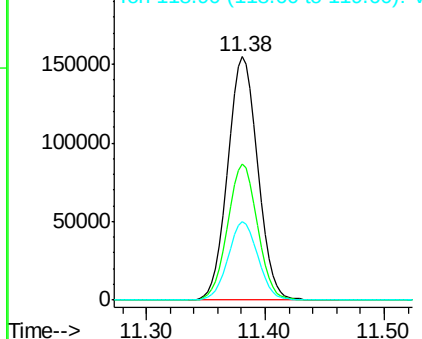


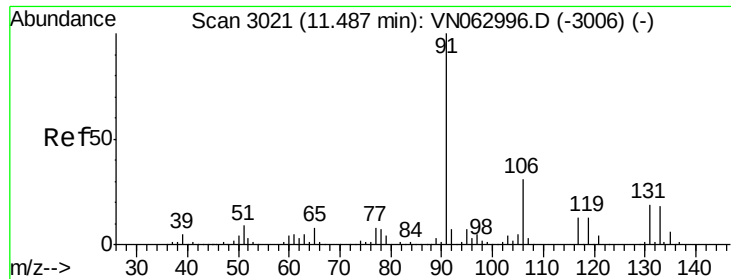
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Tgt Ion	117	Resp	270964
Ion Ratio	Lower	Upper	
117	100		
82	55.8	44.5	66.7
119	32.0	25.5	38.3



Abundance Ion 116.90 (116.60 to 117.60): VN063141.D (-2895) (-)

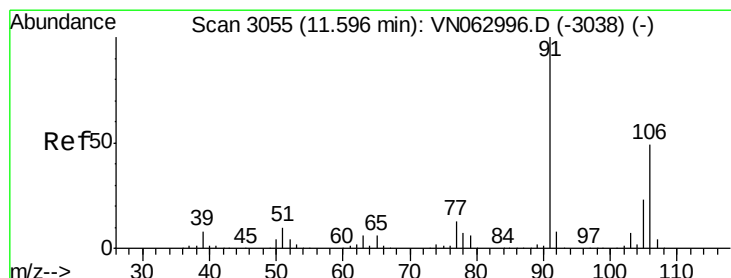
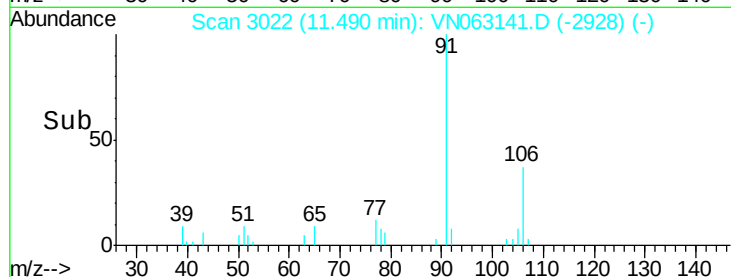
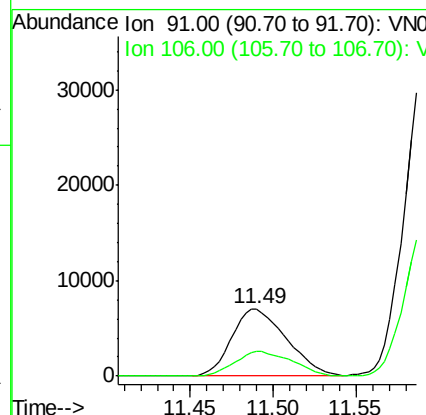
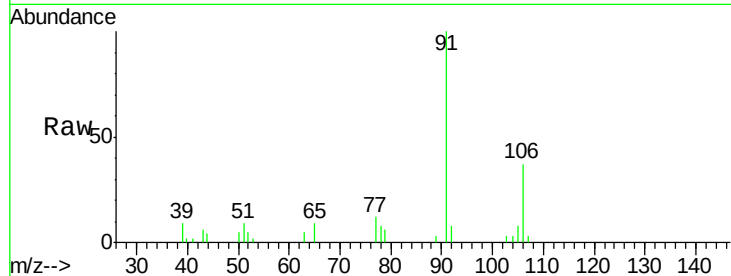




#67
Ethyl Benzene
Concen: 1.764 ug/l
RT: 11.49 min Scan# 3022
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

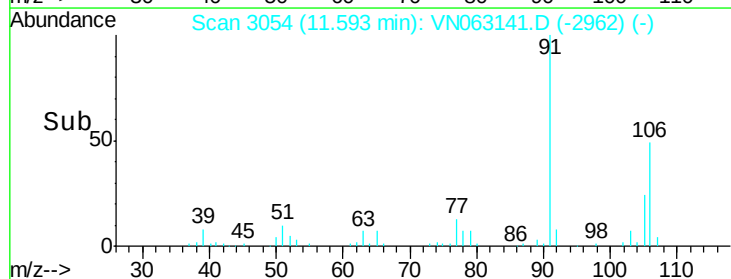
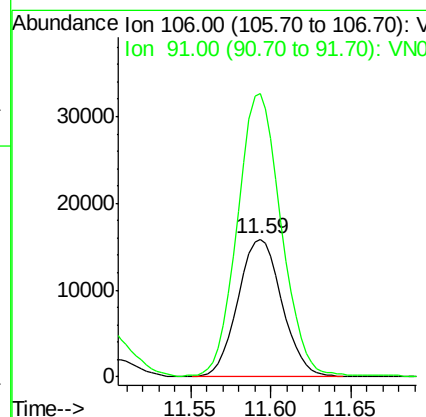
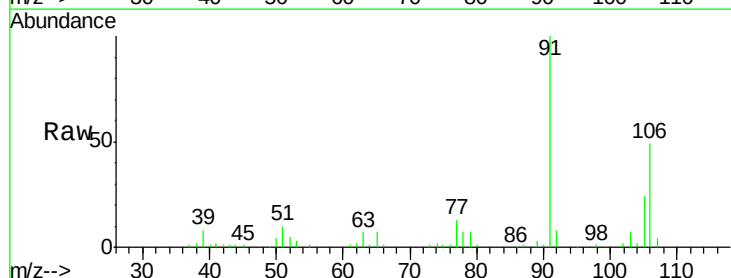
Instrument :
MSVOA_N
ClientSampled :
COMP-3

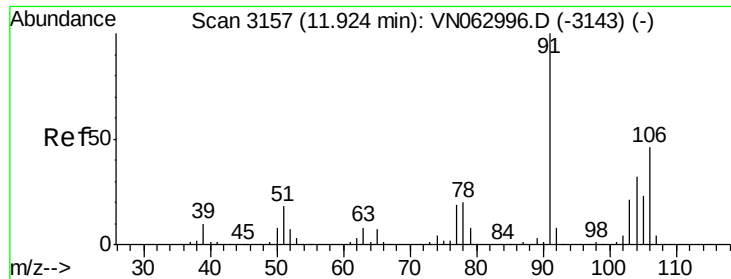
Tot Ion: 91 Resp: 16225
Ion Ratio Lower Upper
91 100
106 37.3 24.6 37.0#



#68
m/p-Xylenes
Concen: 8.736 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Tgt Ion: 106 Resp: 29856
Ion Ratio Lower Upper
106 100
91 205.4 163.0 244.4

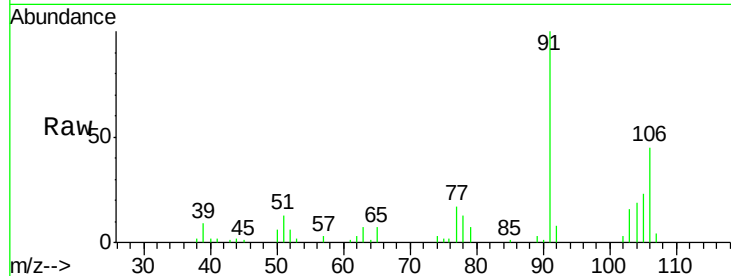




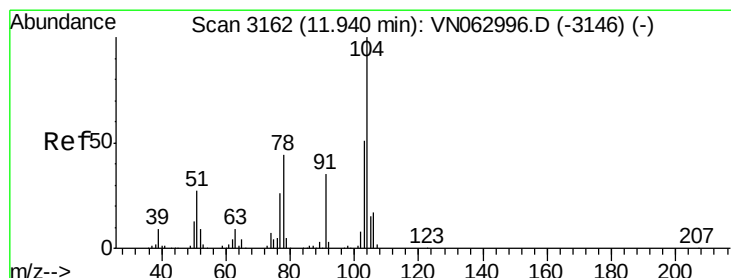
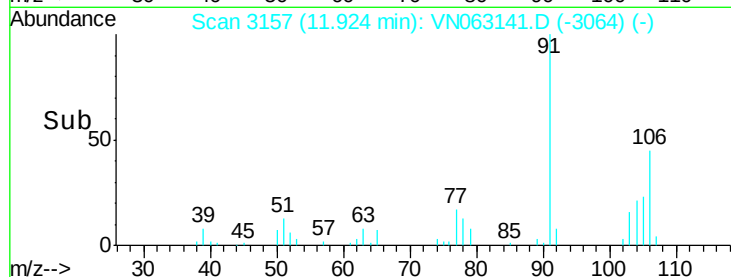
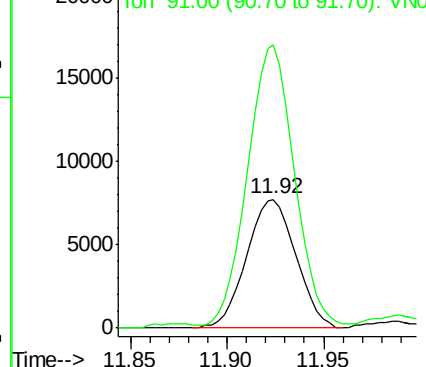
#69
o-Xylene
Concen: 4.156 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion:106 Resp: 13639
Ion Ratio Lower Upper
106 100
91 205.9 107.3 321.9

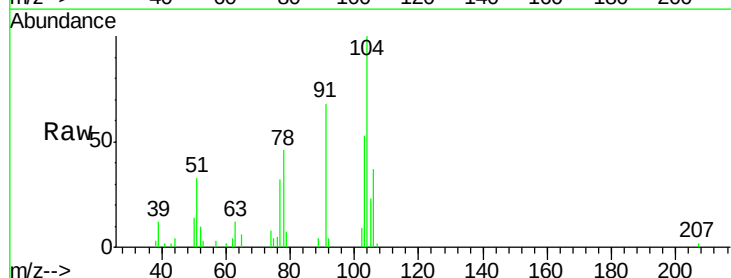


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

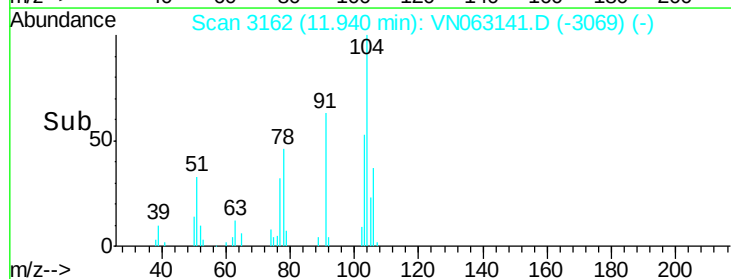
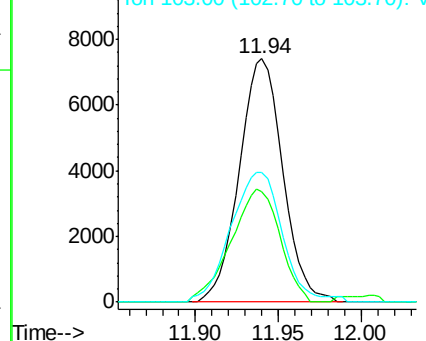


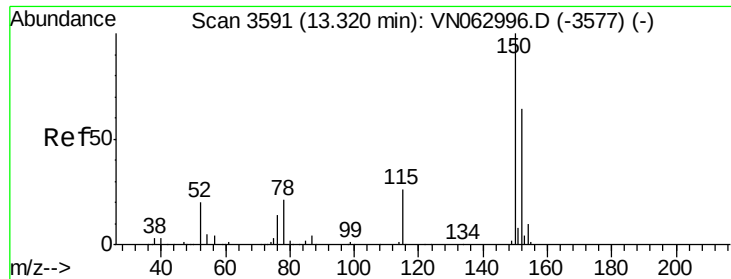
#70
Styrene
Concen: 3.926 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Tgt Ion:104 Resp: 13560
Ion Ratio Lower Upper
104 100
78 51.8 39.0 58.6
103 63.1 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

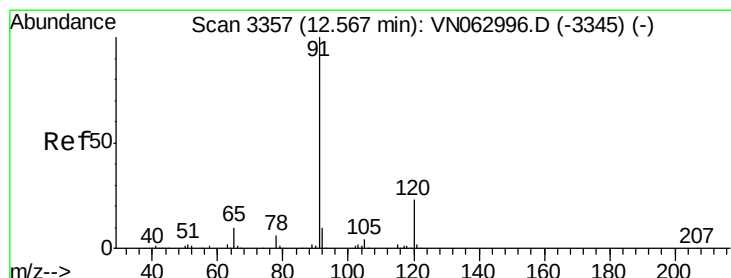
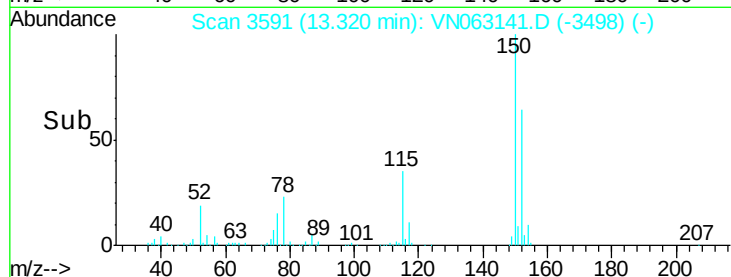
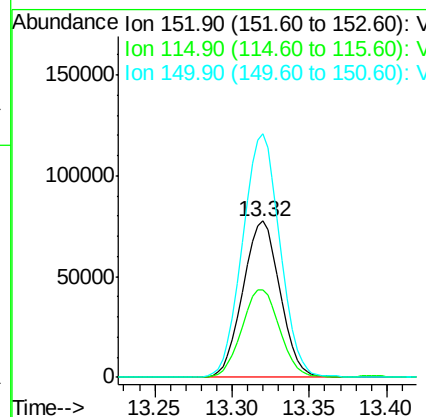
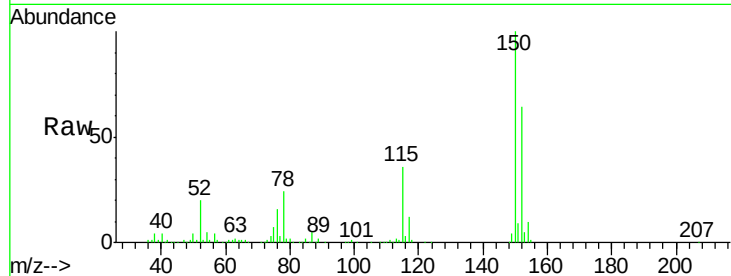




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN063141.D
 Acq: 26 Aug 2020 18:35

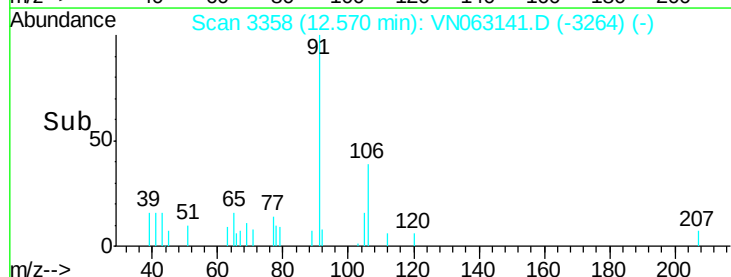
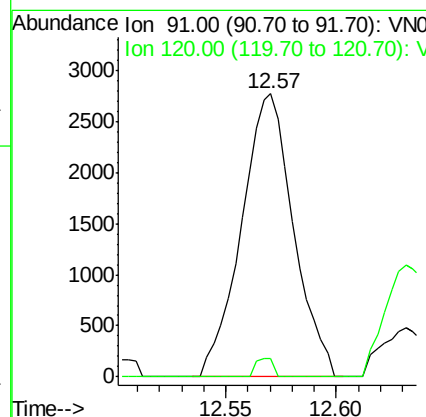
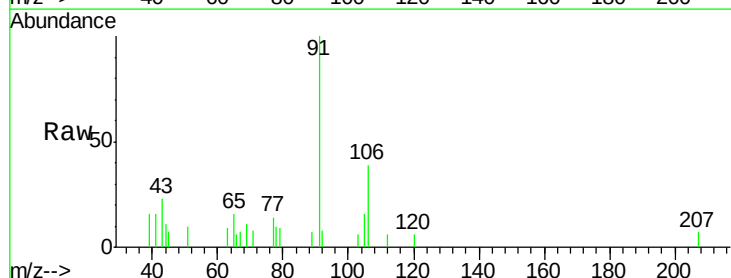
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

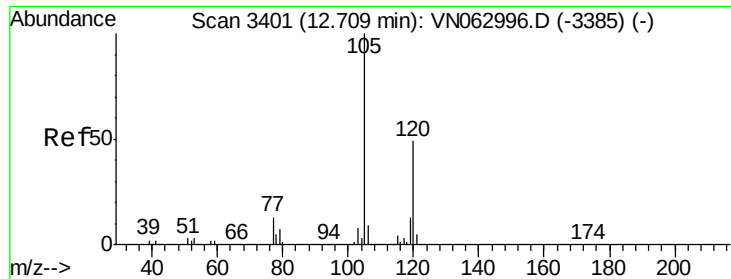
Tot Ion:152 Resp: 130165
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.7 86.3
 150 156.8 0.0 348.8



#78
 n-propylbenzene
 Concen: 0.446 ug/l
 RT: 12.57 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VN063141.D
 Acq: 26 Aug 2020 18:35

Tgt Ion: 91 Resp: 4531
 Ion Ratio Lower Upper
 91 100
 120 2.1 11.4 34.1#





#80

1,3,5-Trimethylbenzene

Concen: 0.618 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN063141.D

Acq: 26 Aug 2020 18:35

Instrument :

MSVOA_N

ClientSampled :

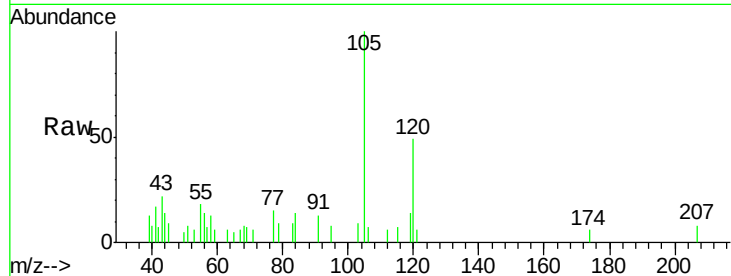
COMP-3

Tot Ion:105 Resp: 4553

Ion Ratio Lower Upper

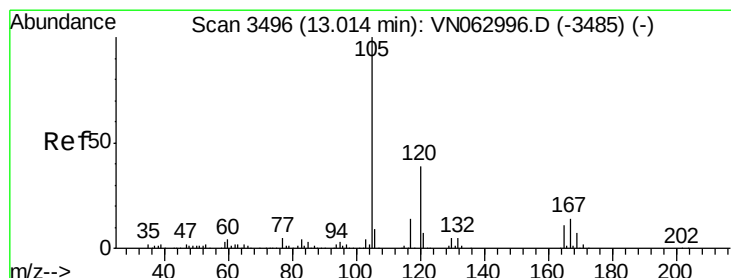
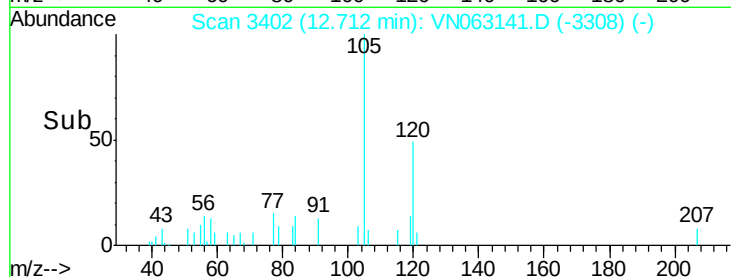
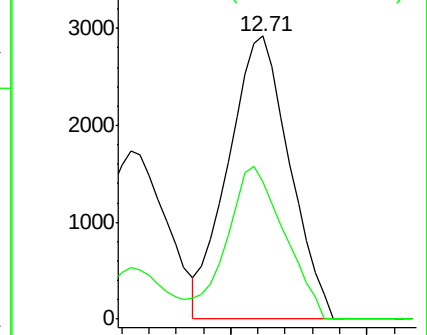
105 100

120 51.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.822 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN063141.D

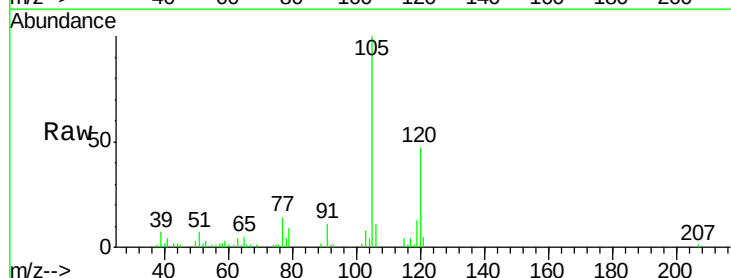
Acq: 26 Aug 2020 18:35

Tgt Ion:105 Resp: 34614

Ion Ratio Lower Upper

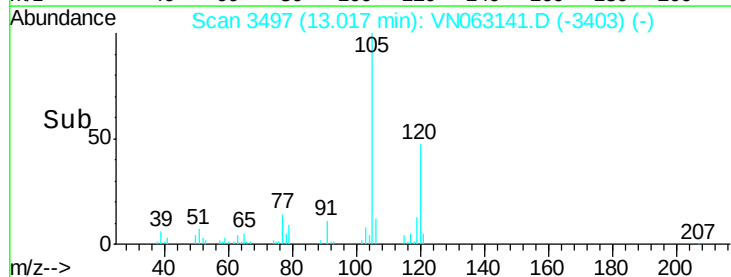
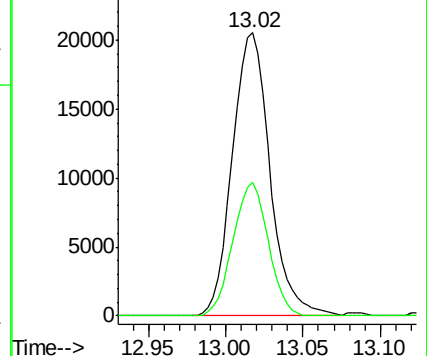
105 100

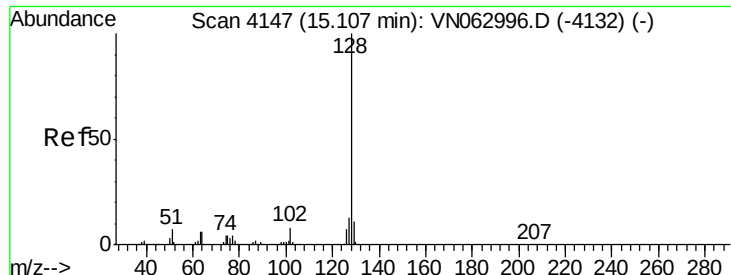
120 44.1 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

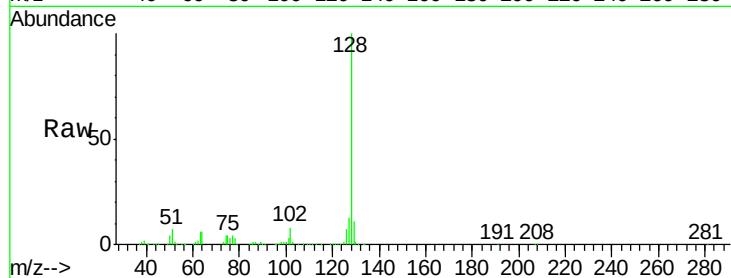




#95
Naphthalene
Concen: 110.728 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063141.D
Acq: 26 Aug 2020 18:35

Instrument :
MSVOA_N
ClientSampleId :
COMP-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.9	13.3



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

