

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056831.D
 Acq On : 19 Jul 2019 14:54
 Operator : JC/SP
 Sample : K2646-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

Quant Time: Jul 20 00:10:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	258803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	457052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231750	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	149967	52.39	ug/l	0.00
Spiked Amount						
			Recovery	=	104.78%	
35) Dibromofluoromethane	7.59	113	134026	47.12	ug/l	0.00
Spiked Amount						
			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	594746	54.14	ug/l	0.00
Spiked Amount						
			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.40	95	240863	65.02	ug/l	0.00
Spiked Amount						
			Recovery	=	130.04%	

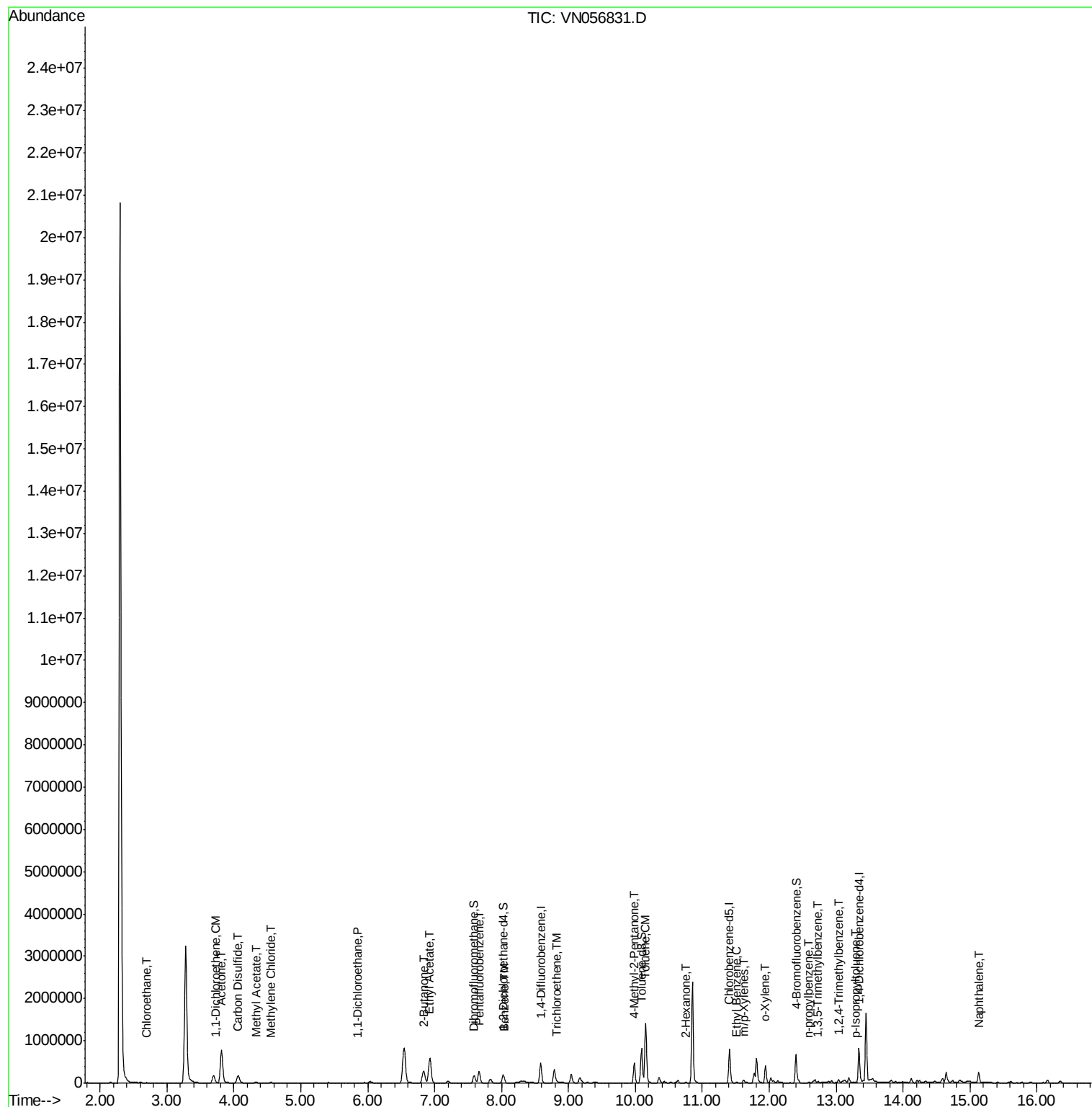
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.70	64	6643	3.623	ug/l	97
12) 1,1-Dichloroethene	3.74	96	1086	0.446	ug/l #	68
16) Acetone	3.82	43	1284292	973.530	ug/l	99
17) Carbon Disulfide	4.05	76	45175	7.027	ug/l	100
18) Methyl Acetate	4.33	43	48628	15.746	ug/l	99
20) Methylene Chloride	4.55	84	11714	4.063	ug/l	90
24) 1,1-Dichloroethane	5.85	63	13876	2.882	ug/l	98
25) 2-Butanone	6.84	43	444660	230.549	ug/l	99
37) Ethyl Acetate	6.93	43	966098	231.764	ug/l	97
40) Benzene	8.04	78	6703	0.517	ug/l	98
44) Trichloroethene	8.83	130	1790	0.509	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	330467	77.860	ug/l	99
52) Toluene	10.15	92	647999	84.198	ug/l	99
59) 2-Hexanone	10.75	43	15488	5.086	ug/l	94
67) Ethyl Benzene	11.51	91	17777	0.972	ug/l	97
68) m/p-Xylenes	11.62	106	23905	3.498	ug/l	98
69) o-Xylene	11.95	106	12256	1.824	ug/l	90
78) n-propylbenzene	12.59	91	8323	0.401	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	12364	0.781	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	49019	3.168	ug/l	99
86) p-Isopropyltoluene	13.29	119	9074	0.569	ug/l	93
95) Naphthalene	15.13	128	213649	20.175	ug/l	100

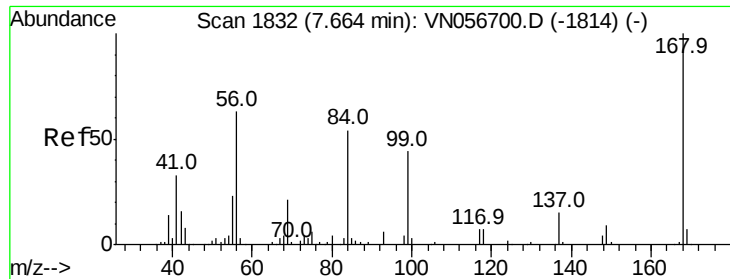
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

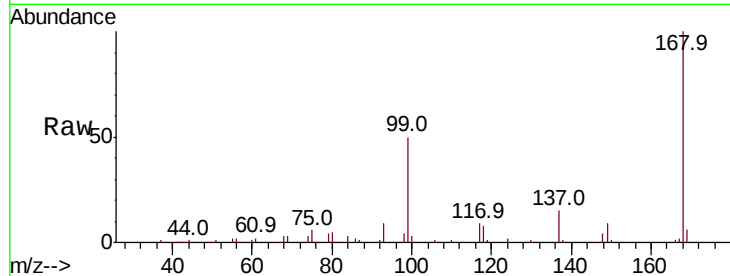
COMP-3

Tot Ion:168 Resp: 258803

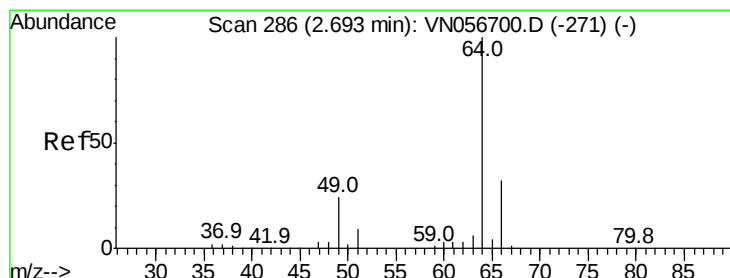
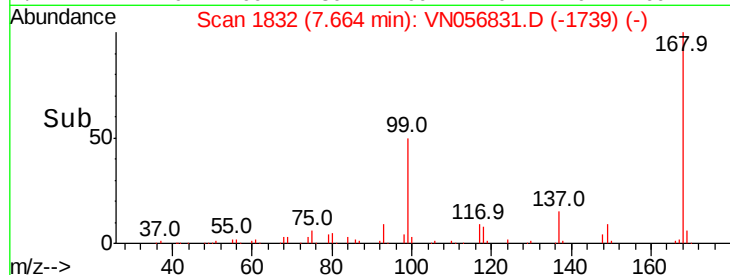
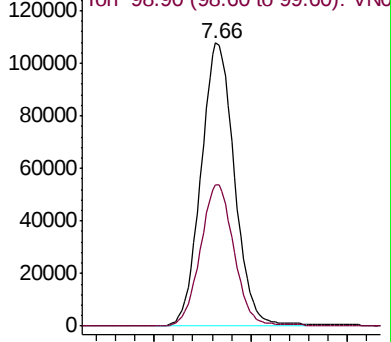
Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056831.D (-1739) (-)



#6

Chloroethane

Concen: 3.623 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056831.D

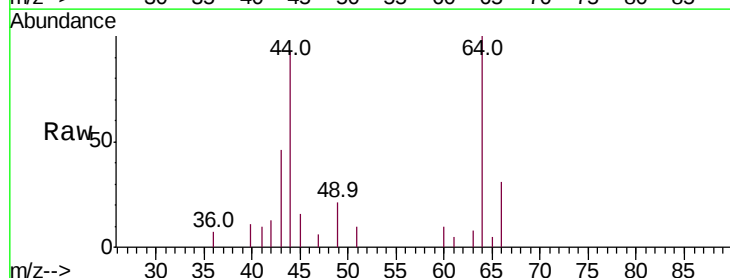
Acq: 19 Jul 2019 14:54

Tgt Ion: 64 Resp: 6643

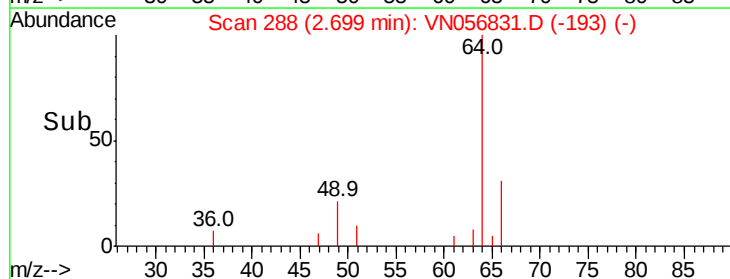
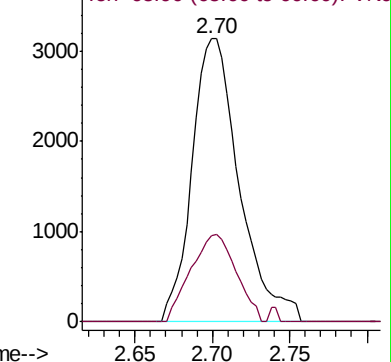
Ion Ratio Lower Upper

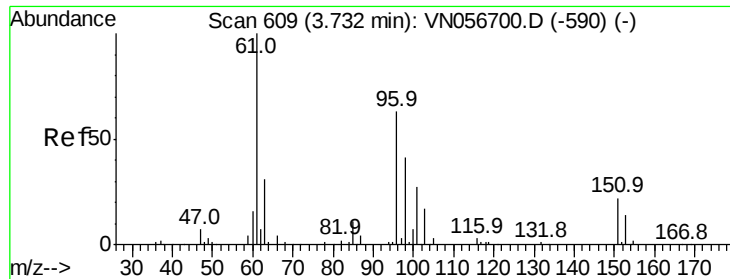
64 100

66 30.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN056831.D (-193) (-)





#12

1,1-Dichloroethene

Concen: 0.446 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

COMP-3

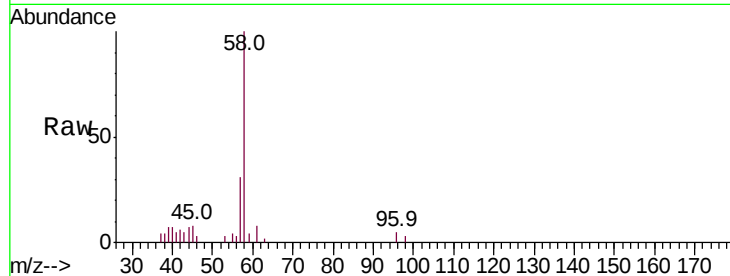
Tot Ion: 96 Resp: 1086

Ion Ratio Lower Upper

96 100

61 102.8 126.6 189.8#

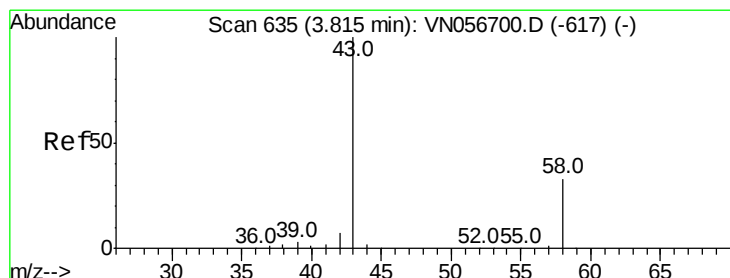
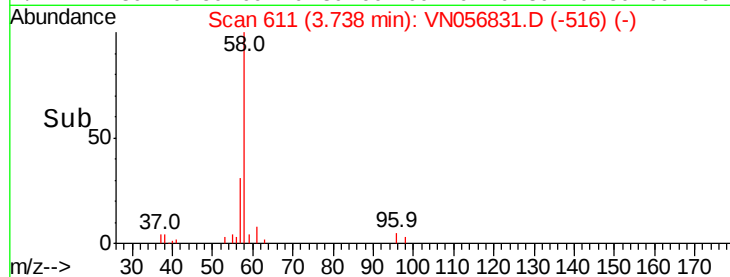
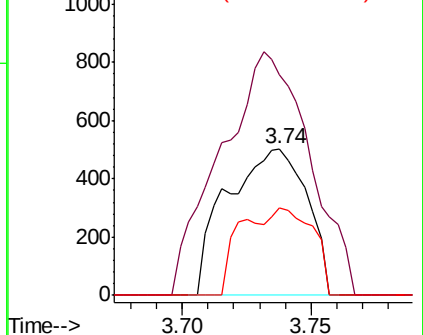
98 59.4 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#16

Acetone

Concen: 973.530 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056831.D

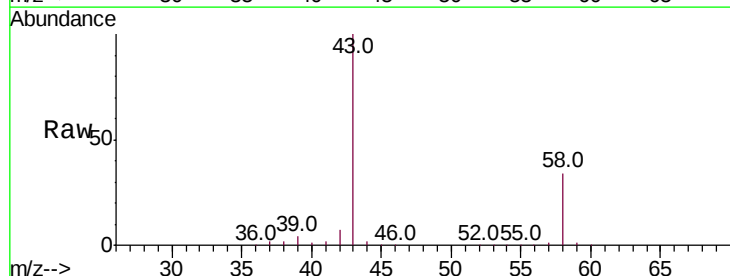
Acq: 19 Jul 2019 14:54

Tgt Ion: 43 Resp: 1284292

Ion Ratio Lower Upper

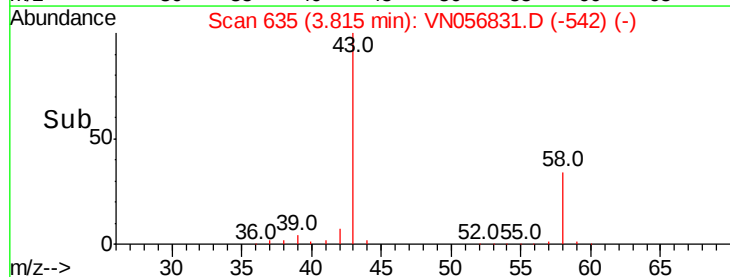
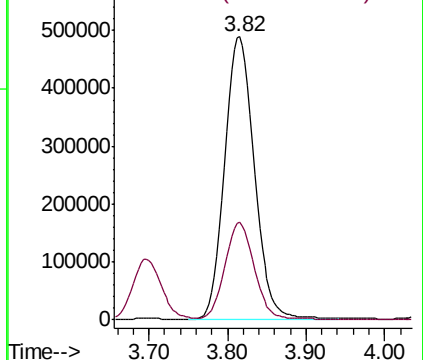
43 100

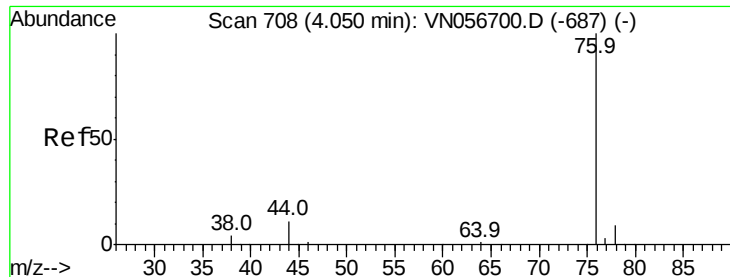
58 34.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

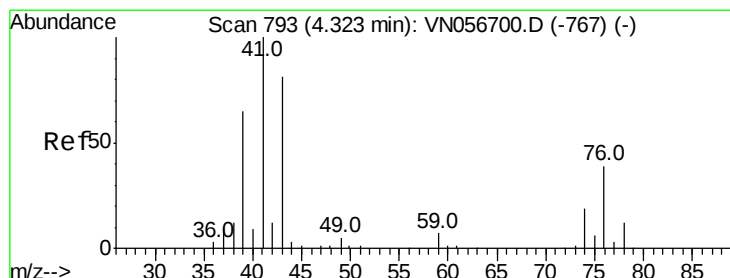
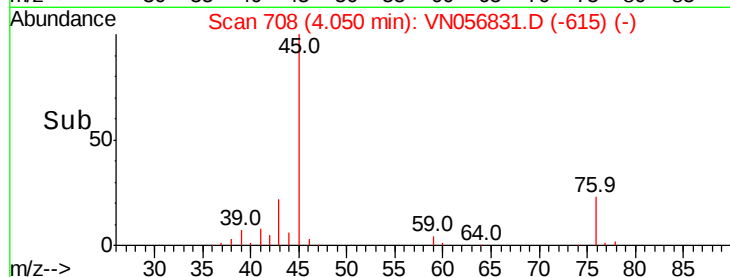
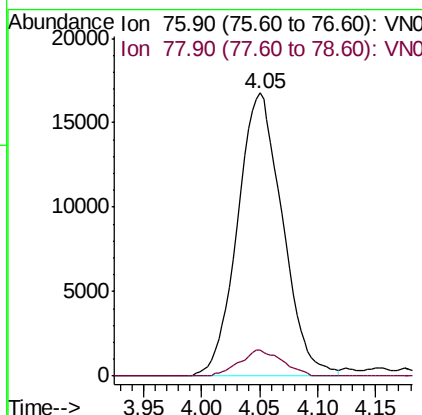
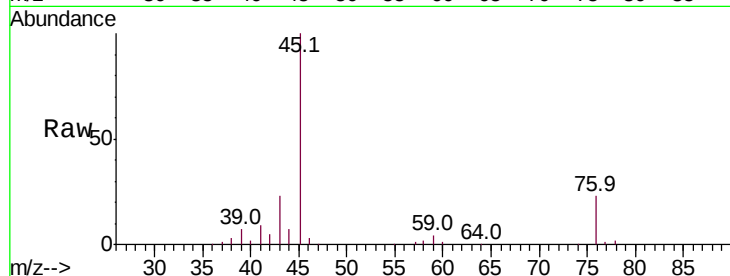




#17
Carbon Disulfide
Concen: 7.027 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

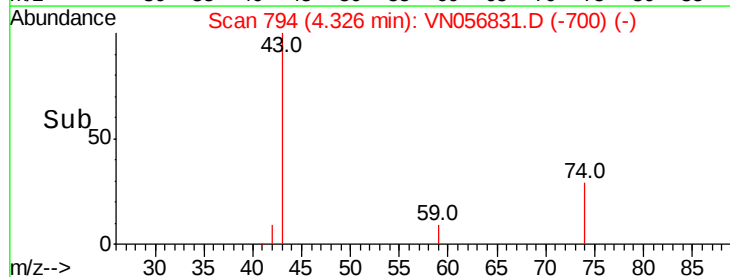
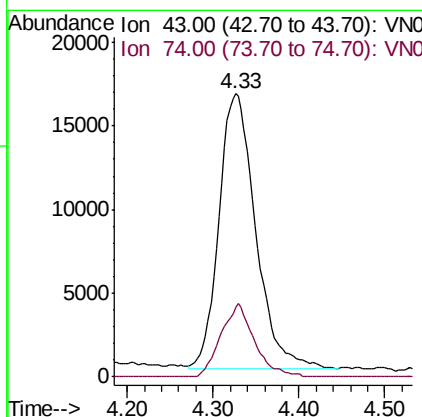
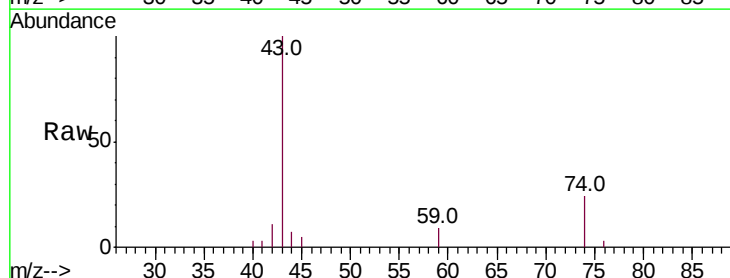
Instrument :
MSVOA_N
ClientSampled :
COMP-3

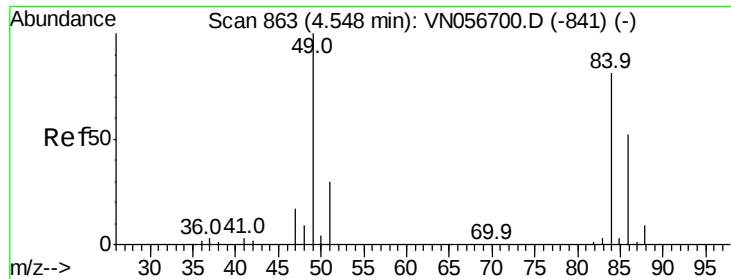
Tot Ion: 76 Resp: 45175
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 15.746 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 43 Resp: 48628
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3



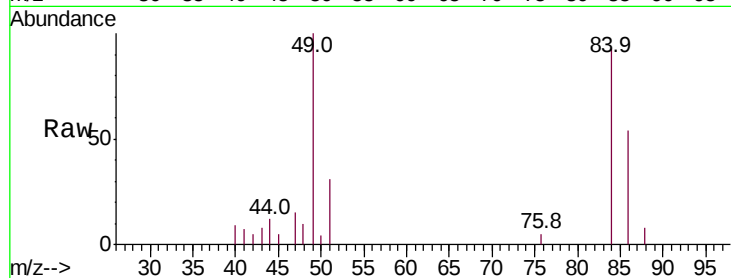


#20
Methvlene Chloride
Concen: 4.063 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :
COMP-3

Tot Ion: 84 Resp: 11714

Ion	Ratio	Lower	Upper
84	100		
49	107.8	98.2	147.4
51	33.5	29.6	44.4
86	58.7	51.0	76.4



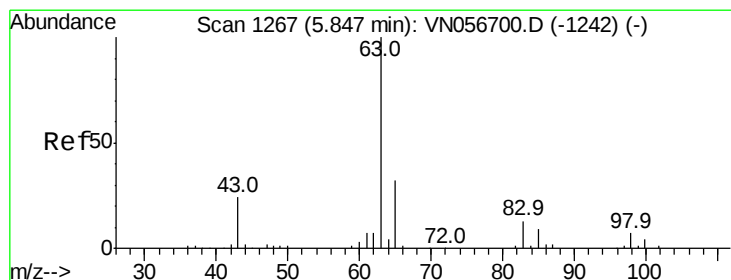
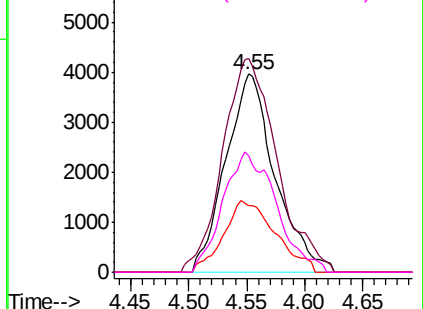
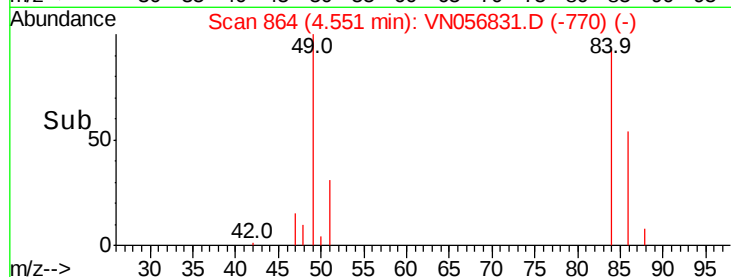
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

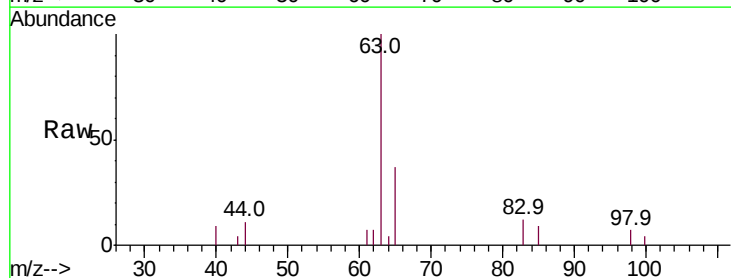
Ion 85.90 (85.60 to 86.60): VN0



#24
1,1-Dichloroethane
Concen: 2.882 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 63 Resp: 13876

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.9
100	4.5	2.0	5.8

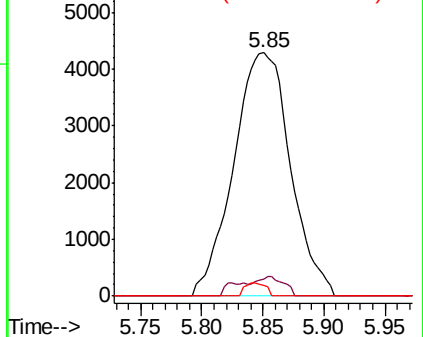
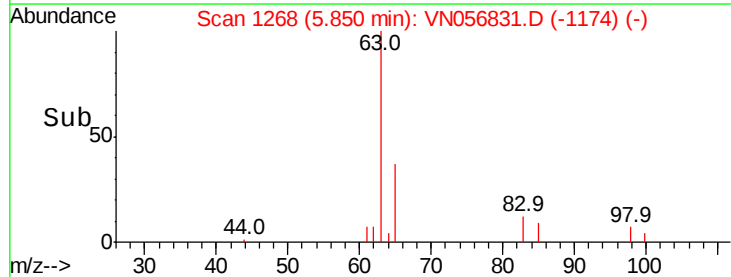


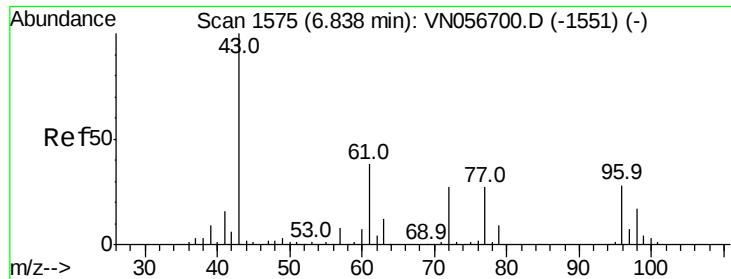
Abundance

Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

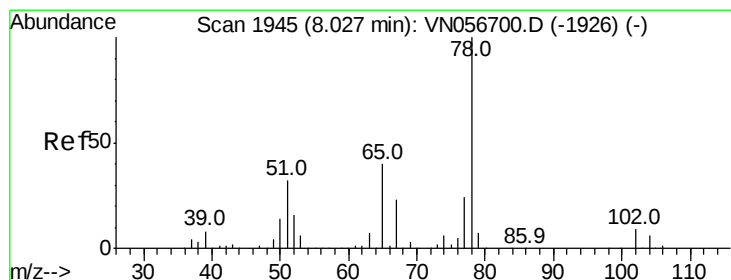
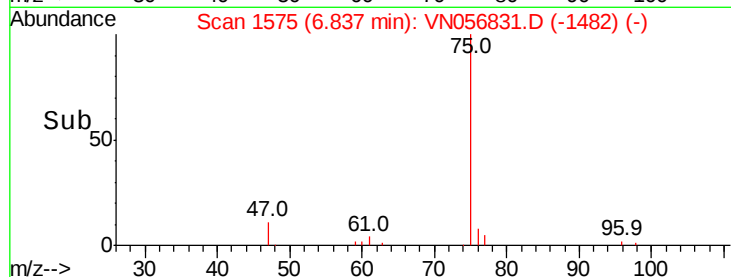
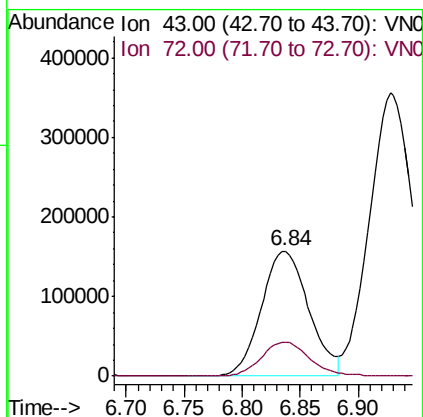
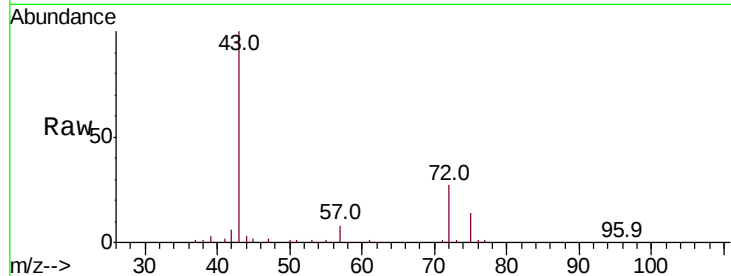




#25
2-Butanone
Concen: 230.549 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

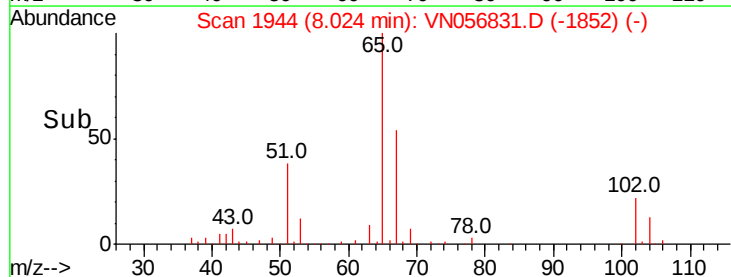
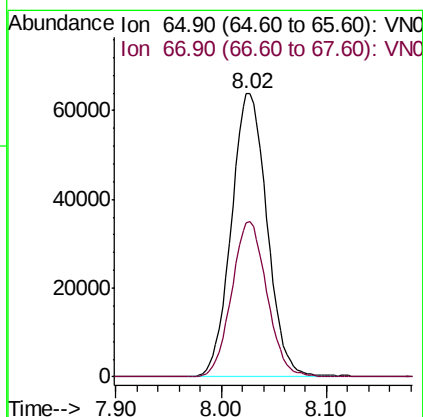
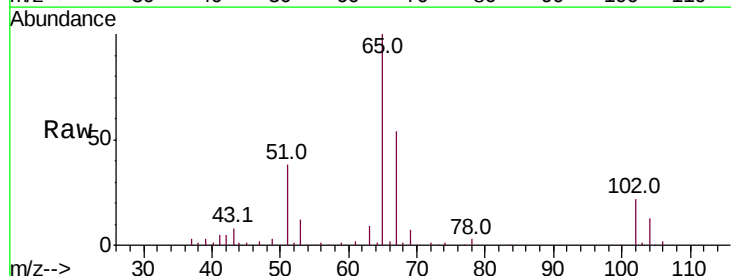
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ClientSampled :
COMP-3

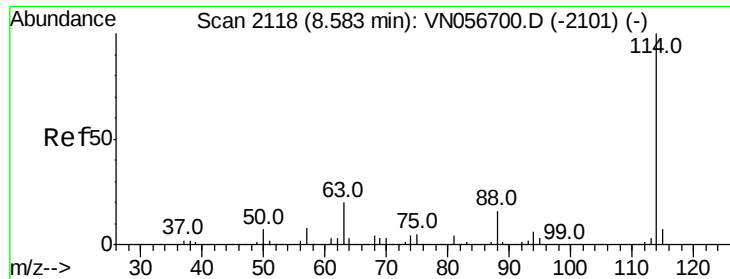
Tot Ion: 43 Resp: 444660
Ion Ratio Lower Upper
43 100
72 27.0 21.2 31.8



#33
1,2-Dichloroethane-d4
Concen: 52.386 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 65 Resp: 149967
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.0

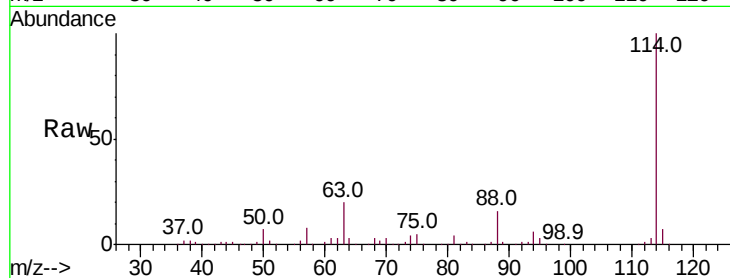




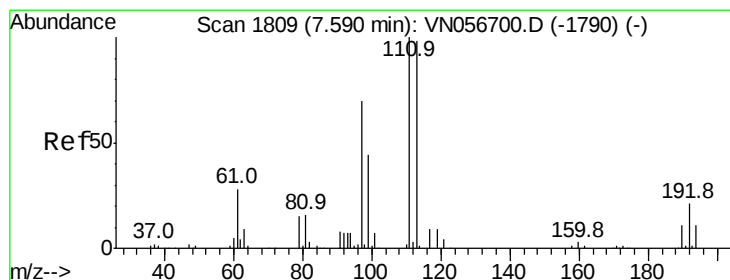
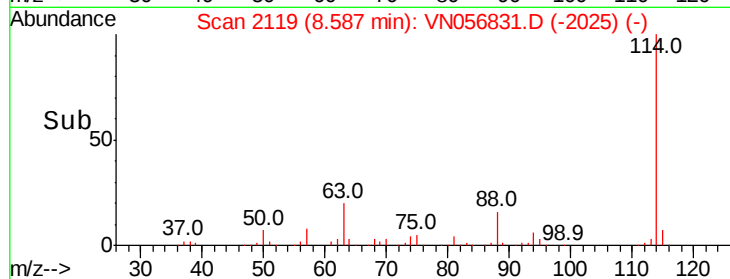
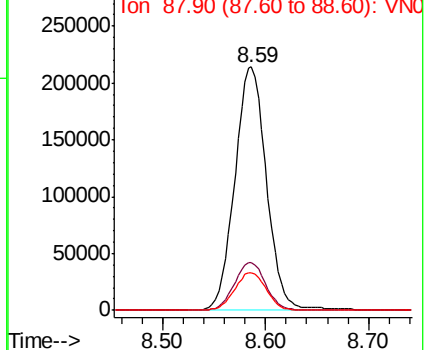
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-3

Tot Ion:114 Resp: 457052
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.6 0.0 31.2

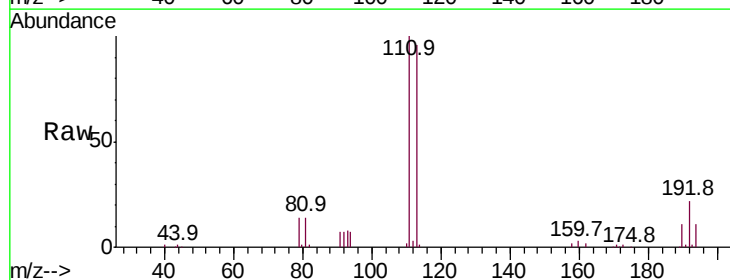


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

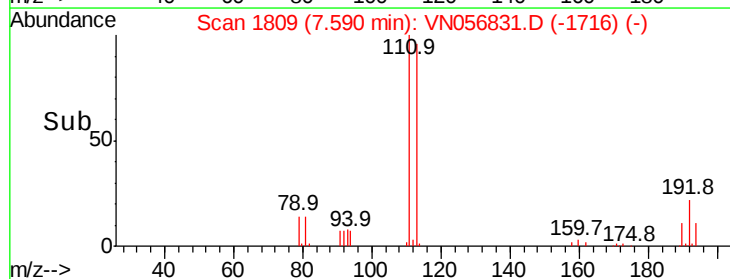
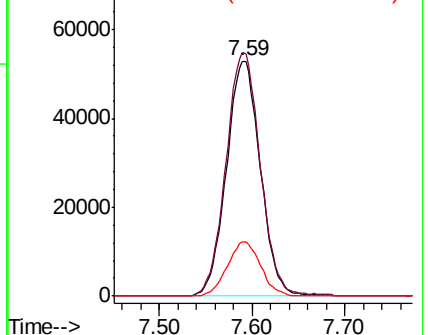


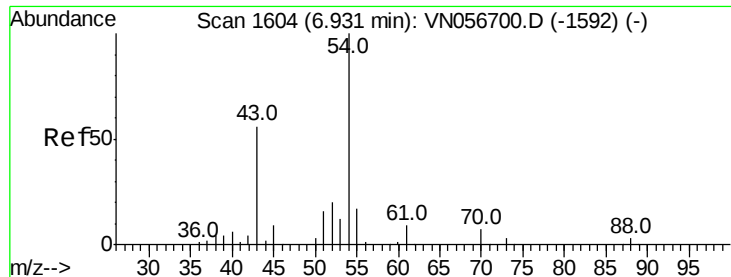
#35
 Dibromofluoromethane
 Concen: 47.120 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Tgt Ion:113 Resp: 134026
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.8 122.6
 192 22.6 17.5 26.3



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

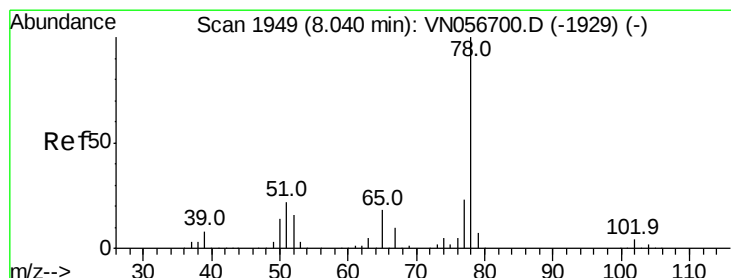
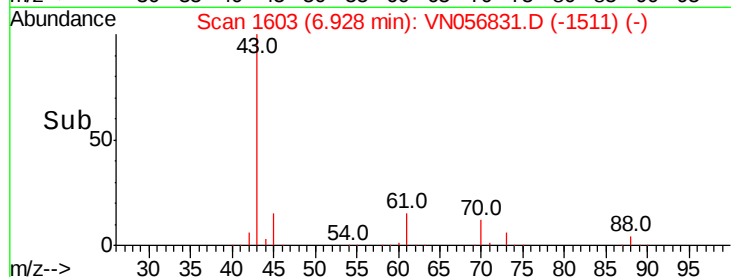
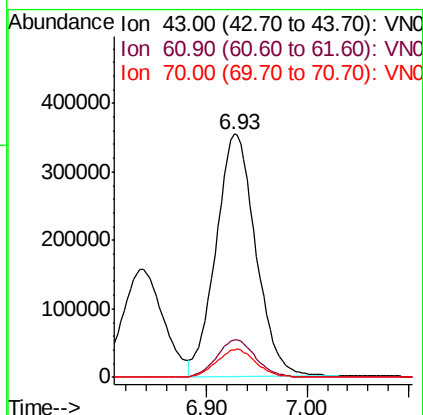
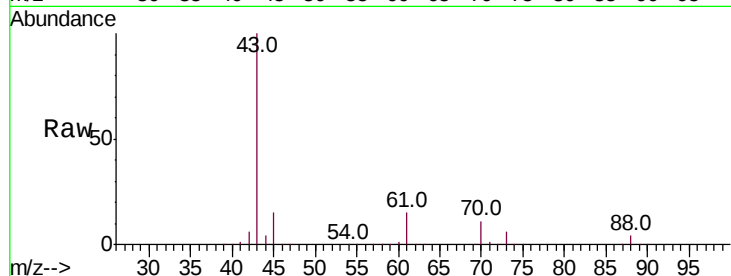




#37
Ethyl Acetate
Concen: 231.764 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

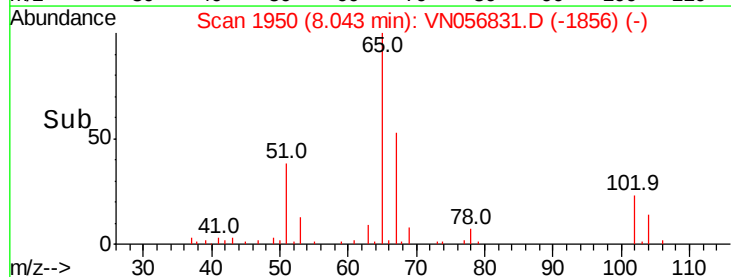
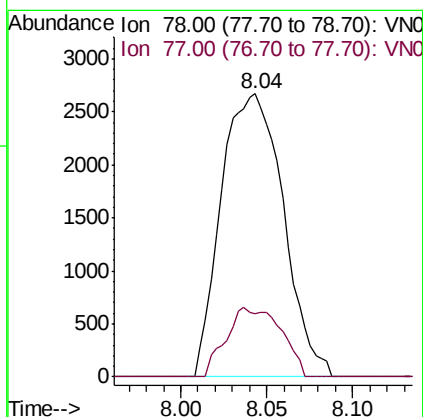
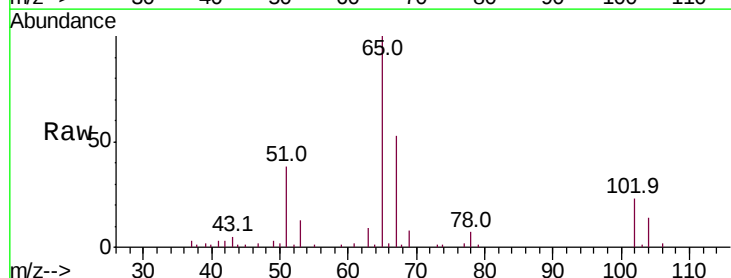
Instrument :
MSVOA_N
ClientSampled :
COMP-3

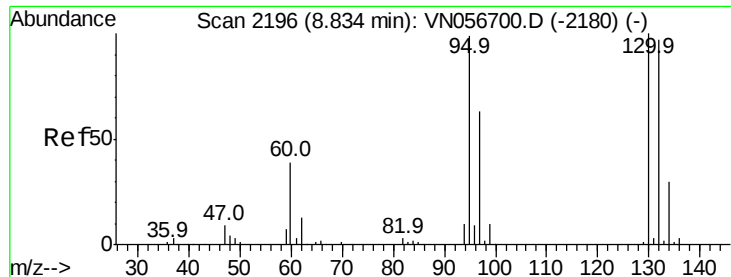
Tot Ion: 43 Resp: 966098
Ion Ratio Lower Upper
43 100
61 15.3 11.3 16.9
70 11.6 8.5 12.7



#40
Benzene
Concen: 0.517 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 78 Resp: 6703
Ion Ratio Lower Upper
78 100
77 22.1 18.6 27.8





#44

Trichloroethene

Concen: 0.509 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampled :

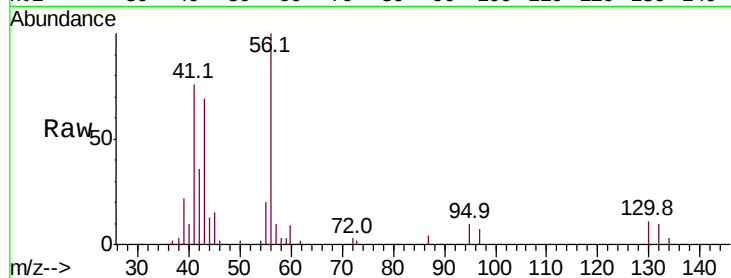
COMP-3

Tot Ion:130 Resp: 1790

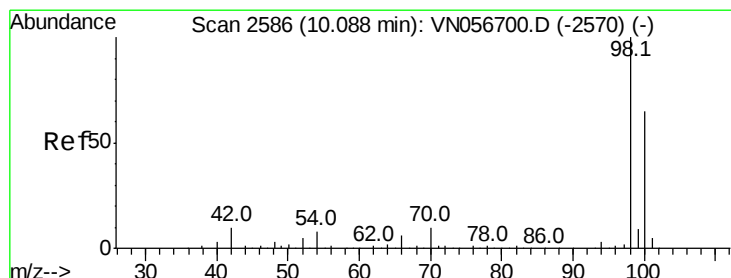
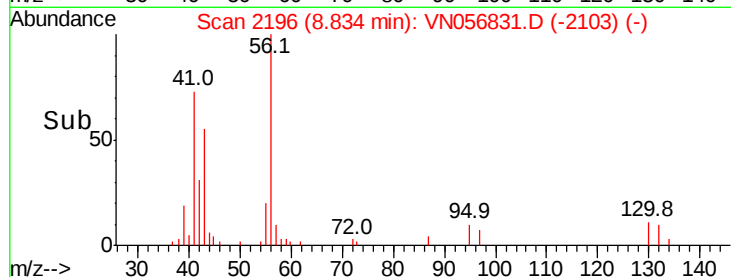
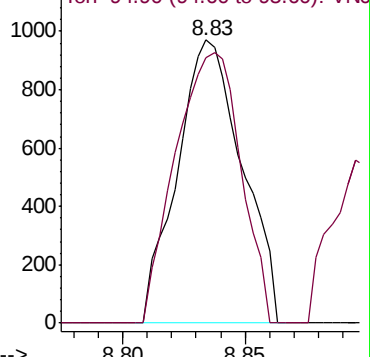
Ion Ratio Lower Upper

130 100

95 93.6 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056700.D (-2180) (-)



#50

Toluene-d8

Concen: 54.139 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056831.D

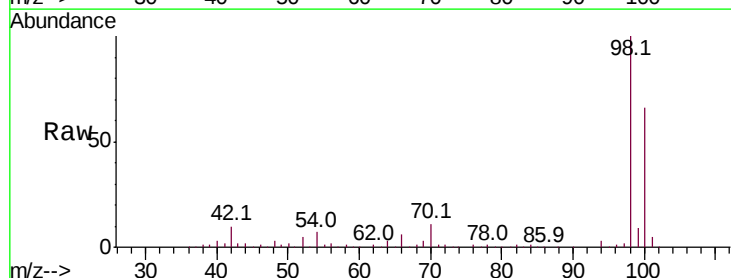
Acq: 19 Jul 2019 14:54

Tgt Ion: 98 Resp: 594746

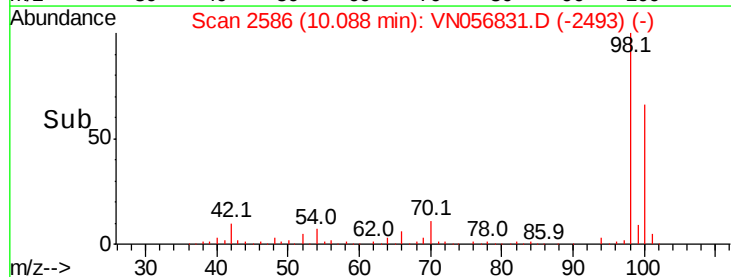
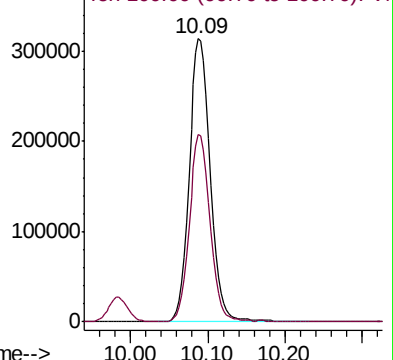
Ion Ratio Lower Upper

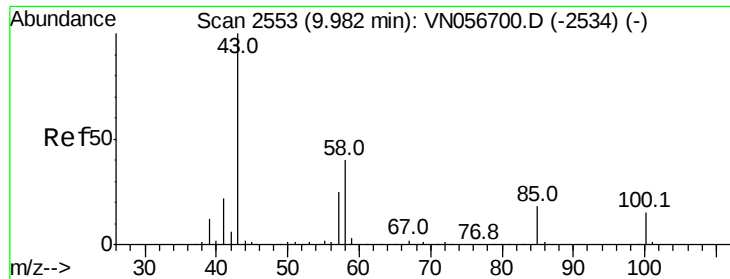
98 100

100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 77.860 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

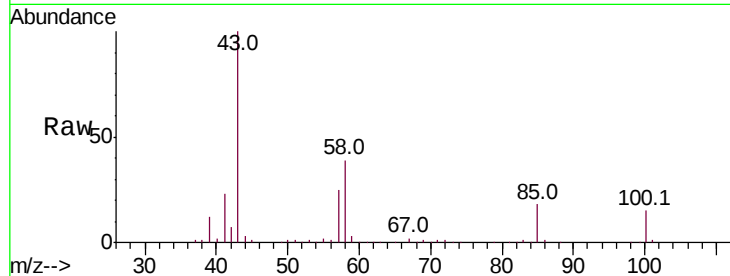
COMP-3

Tot Ion: 43 Resp: 330467

Ion Ratio Lower Upper

43 100

58 39.6 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN056700.D (-2534) (-)

9.98

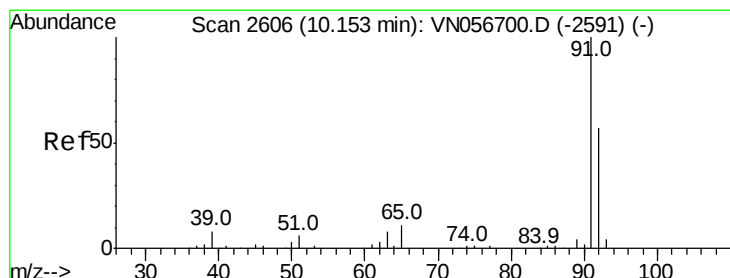
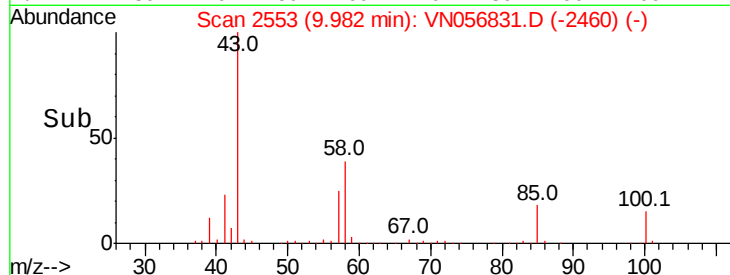
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 84.198 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056831.D

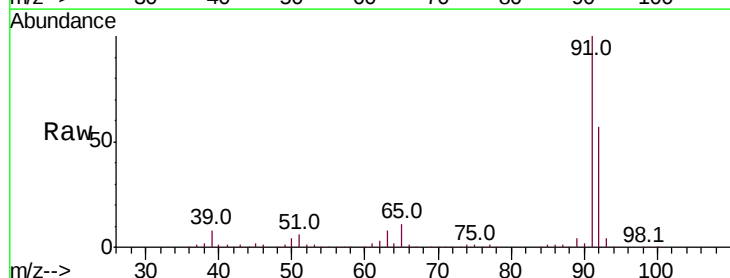
Acq: 19 Jul 2019 14:54

Tgt Ion: 92 Resp: 647999

Ion Ratio Lower Upper

92 100

91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN056700.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN056700.D (-2591) (-)

10.15

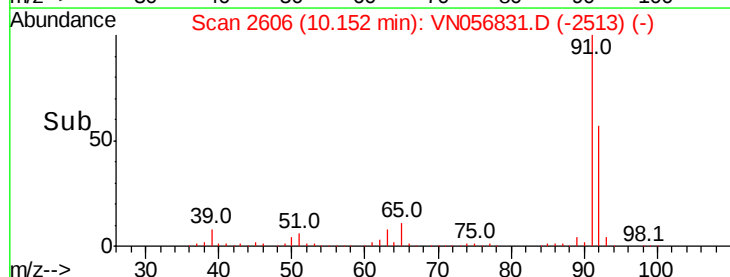
600000

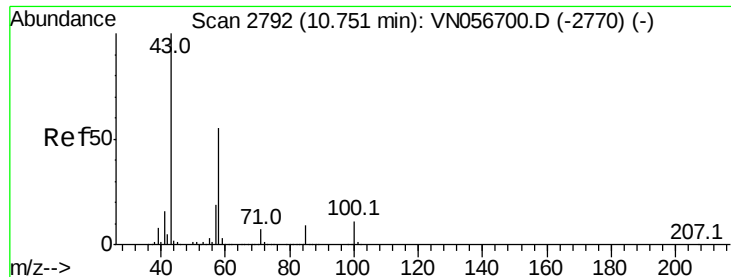
400000

200000

0

Time-->

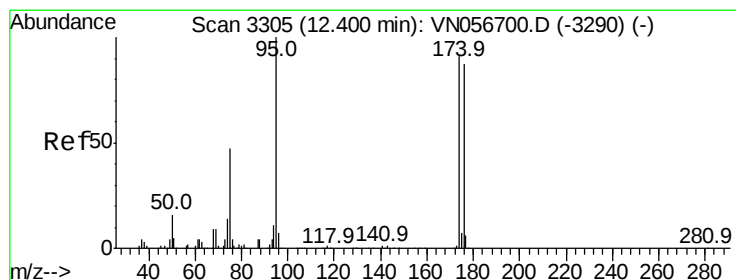
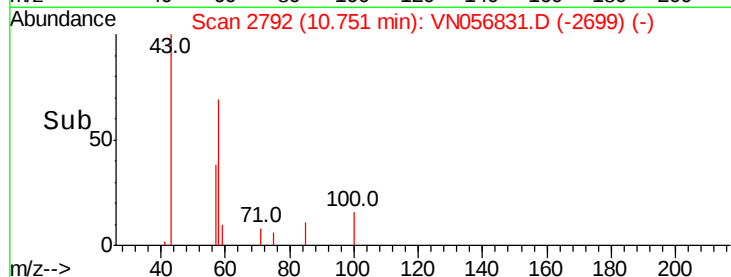
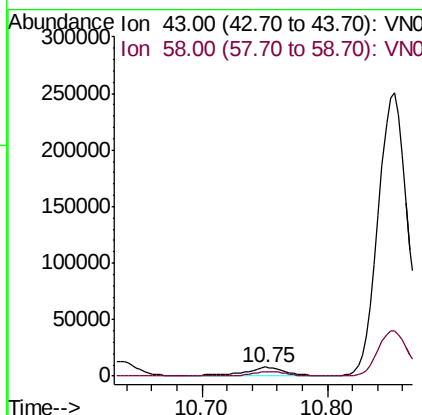
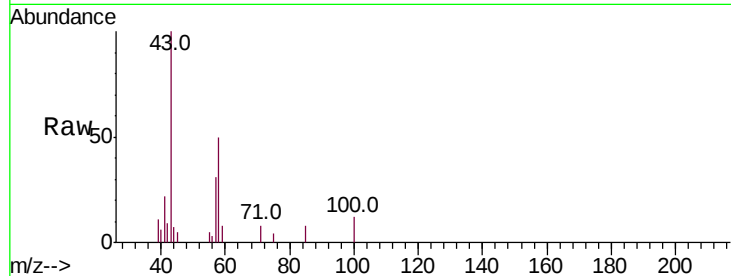




#59
2-Hexanone
Concen: 5.086 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

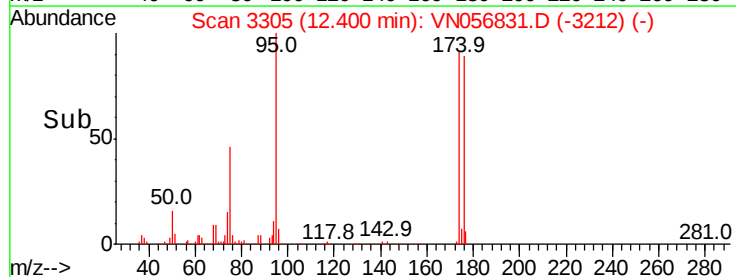
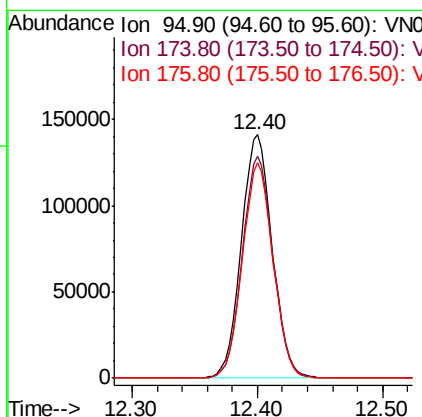
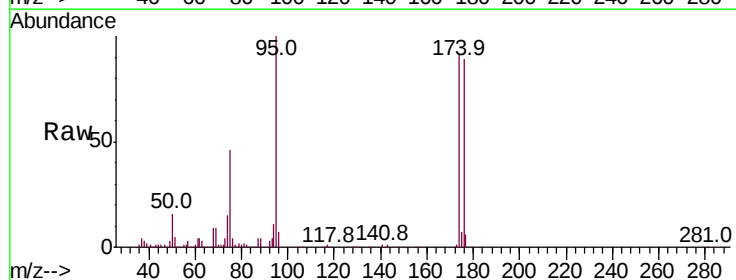
Instrument :
MSVOA_N
ClientSampled :
COMP-3

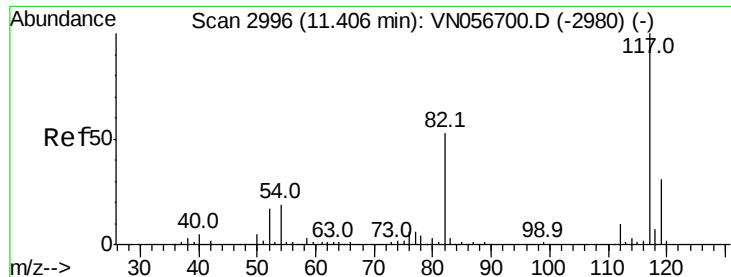
Tot Ion: 43 Resp: 15488
Ion Ratio Lower Upper
43 100
58 51.3 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 65.016 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 95 Resp: 240863
Ion Ratio Lower Upper
95 100
174 91.0 0.0 180.0
176 88.2 0.0 173.2

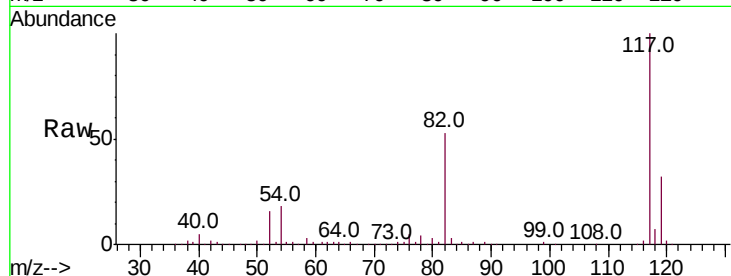




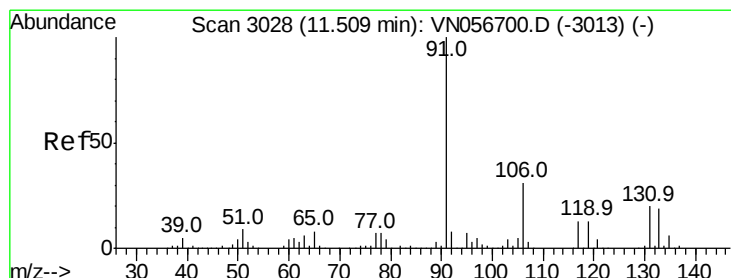
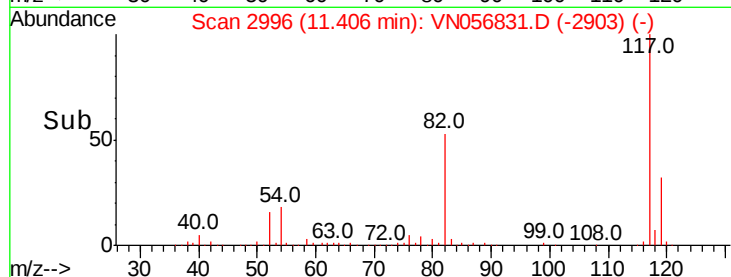
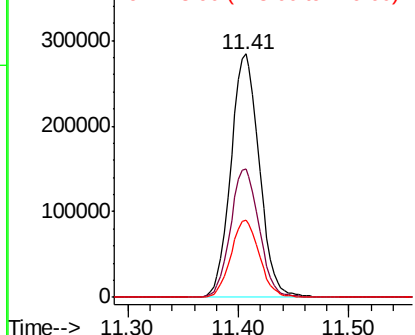
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tot Ion:117 Resp: 508856
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.2
119 31.7 25.2 37.8

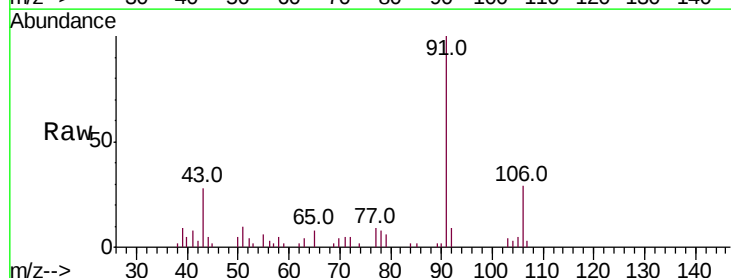


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

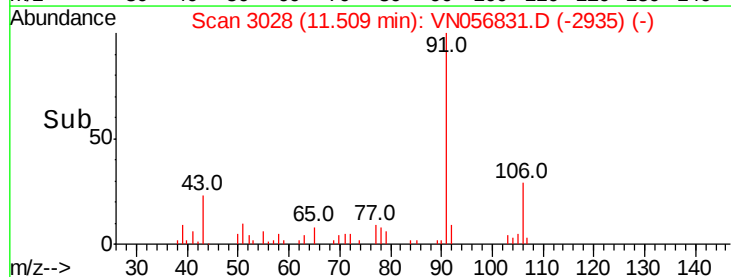
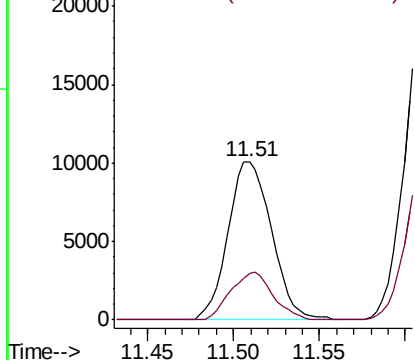


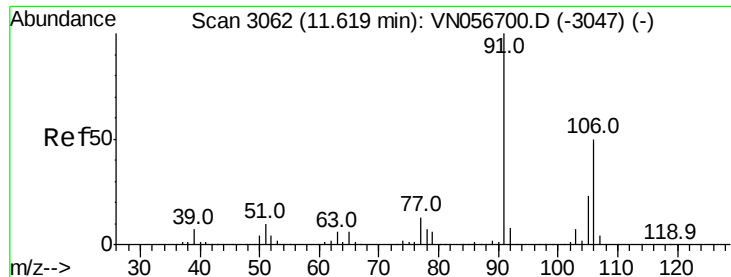
#67
Ethyl Benzene
Concen: 0.972 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 91 Resp: 17777
Ion Ratio Lower Upper
91 100
106 29.5 24.8 37.2



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

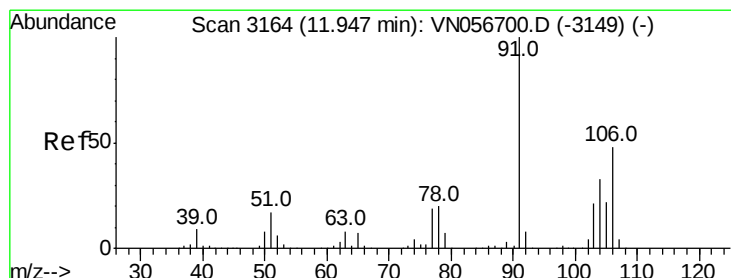
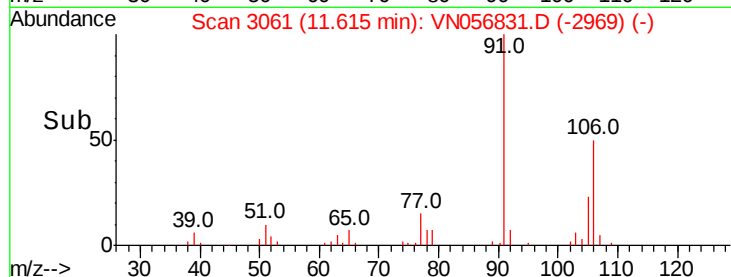
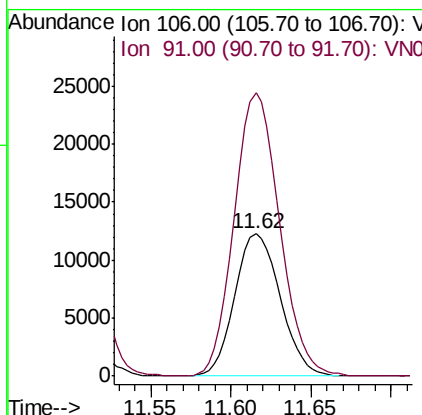
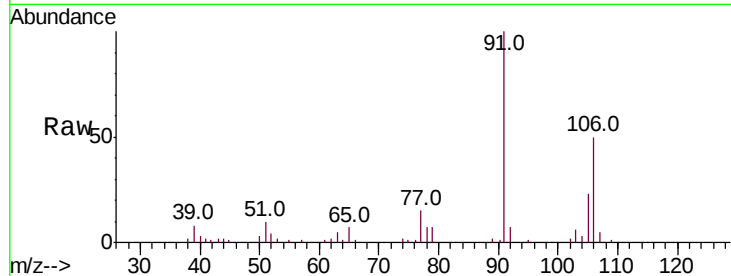




#68
m/p-Xylenes
Concen: 3.498 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

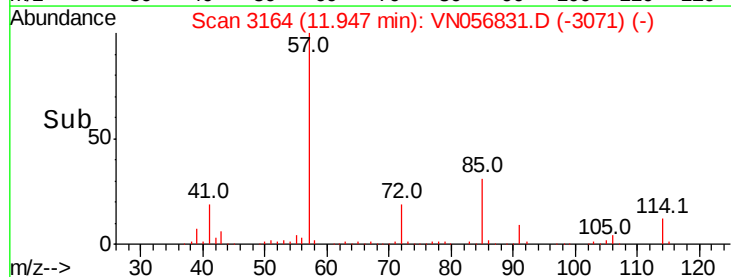
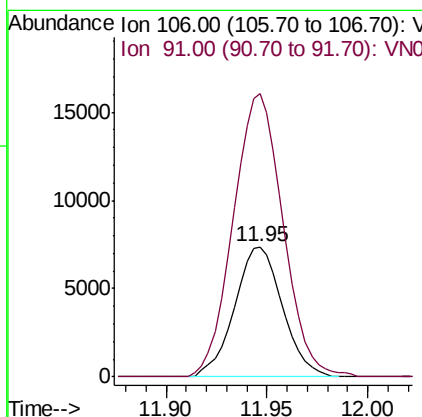
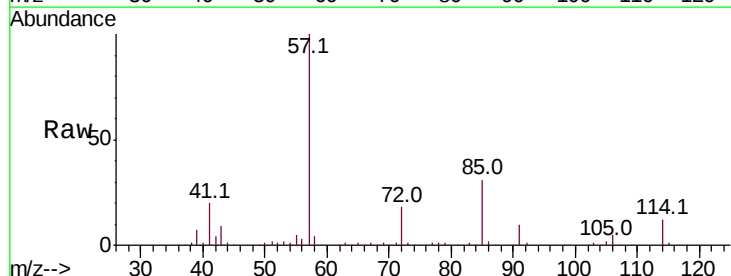
Instrument :
MSVOA_N
ClientSampled :
COMP-3

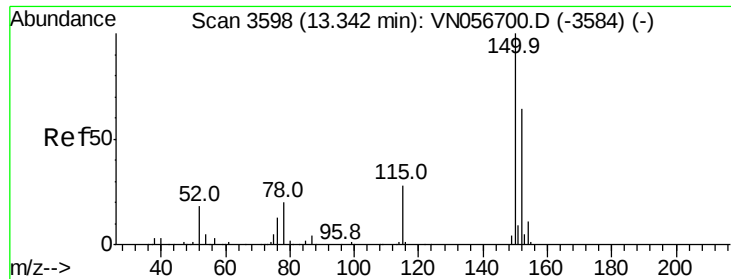
Tot Ion:106 Resp: 23905
Ion Ratio Lower Upper
106 100
91 197.9 160.5 240.7



#69
o-Xylene
Concen: 1.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion:106 Resp: 12256
Ion Ratio Lower Upper
106 100
91 226.2 105.6 316.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

COMP-3

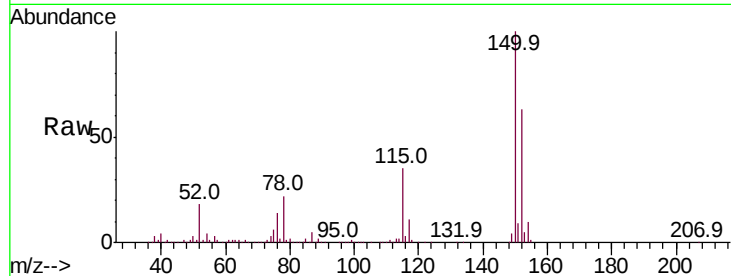
Tot Ion:152 Resp: 231750

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

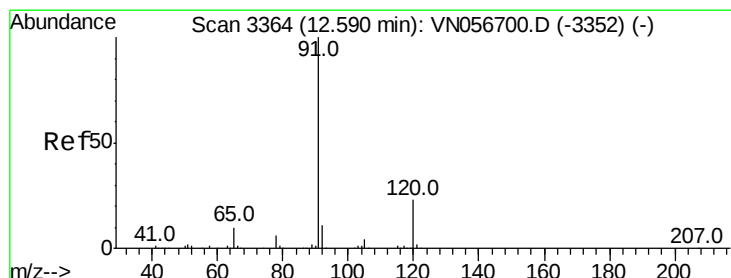
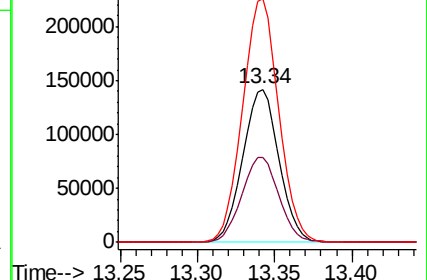
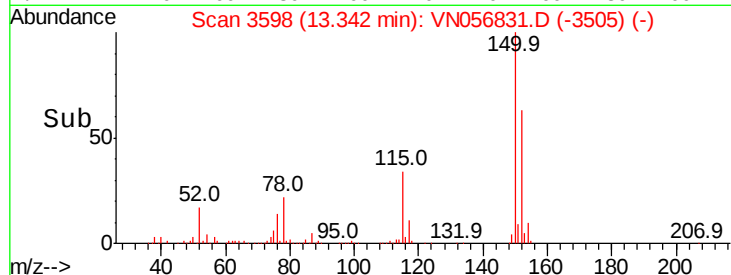
150 158.5 0.0 345.8



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



#78

n-propylbenzene

Concen: 0.401 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056831.D

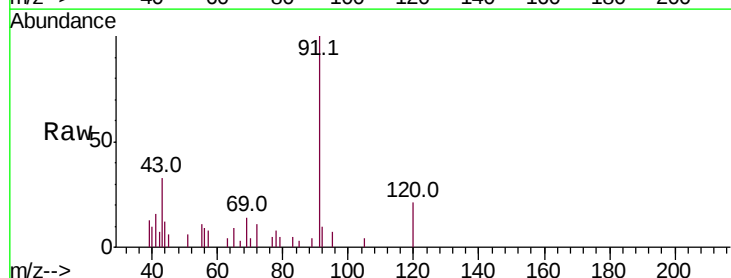
Acq: 19 Jul 2019 14:54

Tgt Ion: 91 Resp: 8323

Ion Ratio Lower Upper

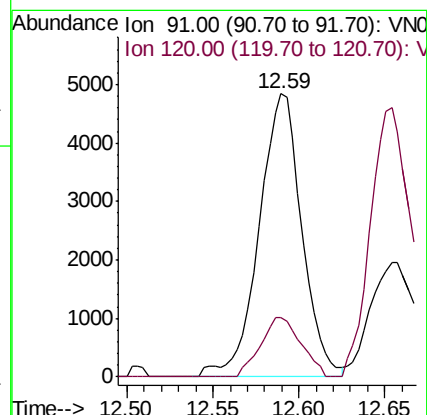
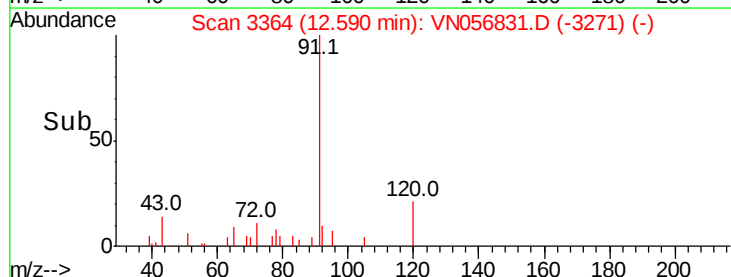
91 100

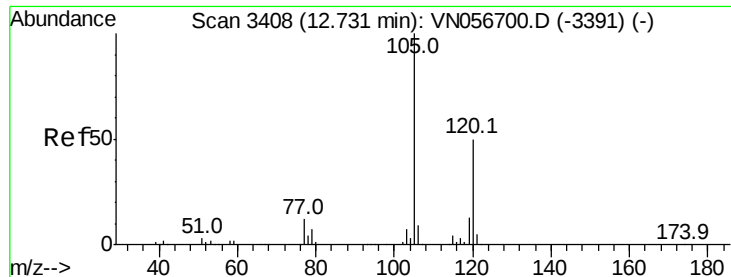
120 19.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.781 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

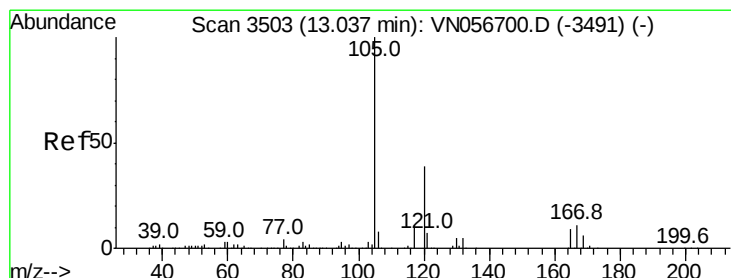
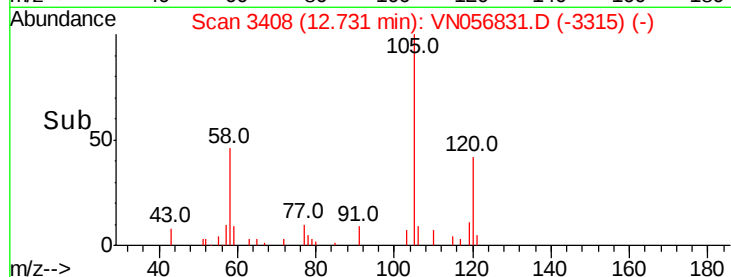
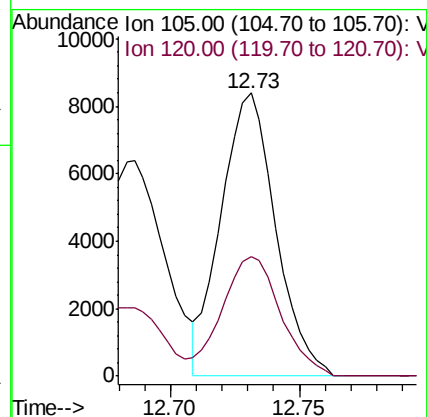
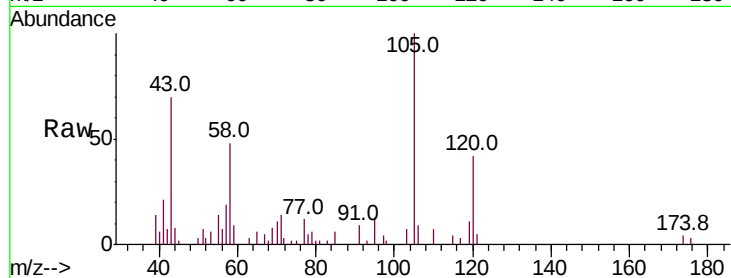
COMP-3

Tot Ion:105 Resp: 12364

Ion Ratio Lower Upper

105 100

120 46.0 24.8 74.3



#84

1,2,4-Trimethylbenzene

Concen: 3.168 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056831.D

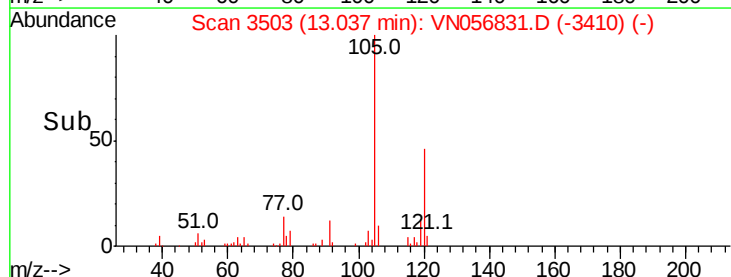
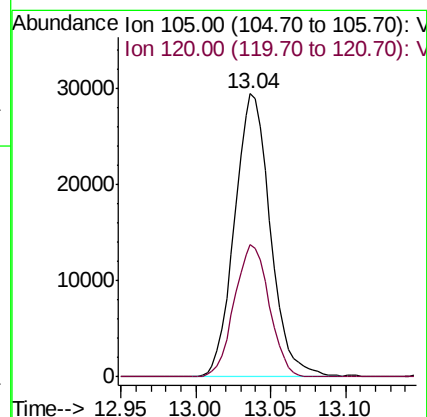
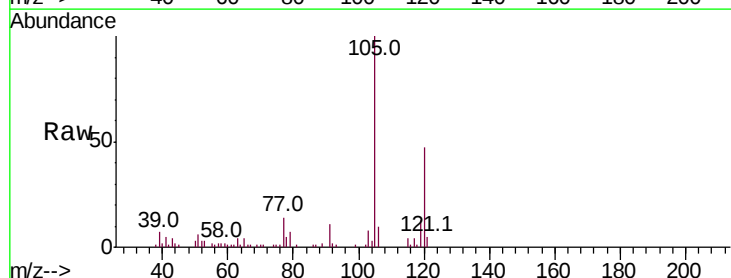
Acq: 19 Jul 2019 14:54

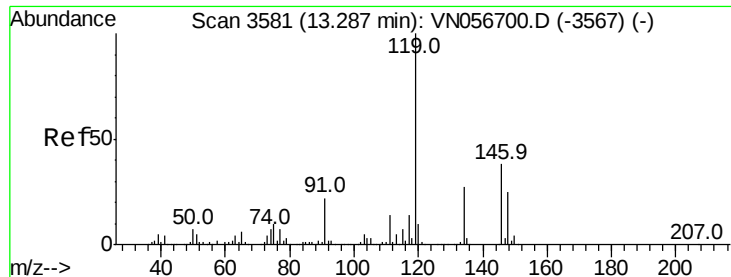
Tgt Ion:105 Resp: 49019

Ion Ratio Lower Upper

105 100

120 45.5 22.9 68.8

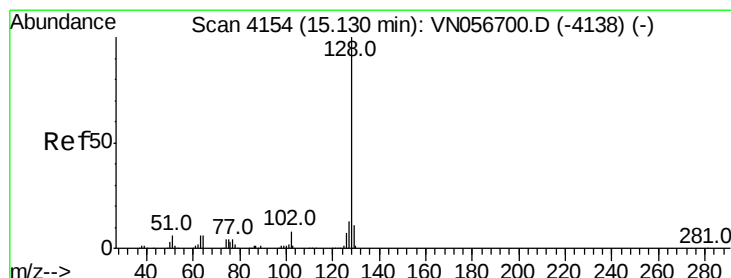
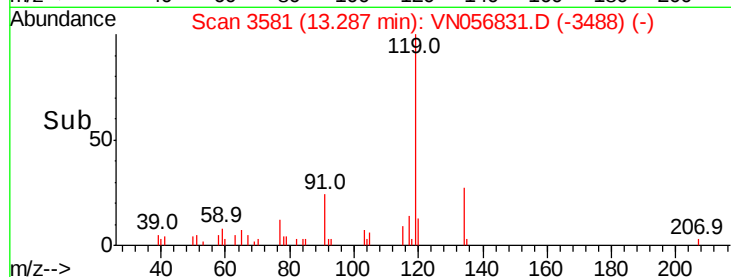
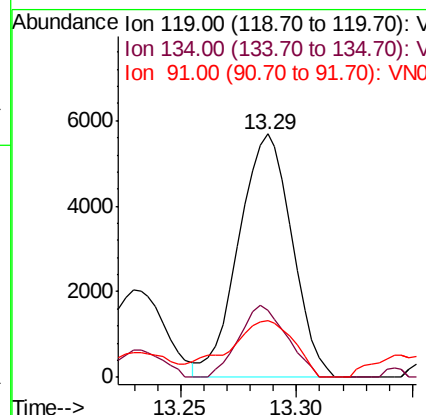
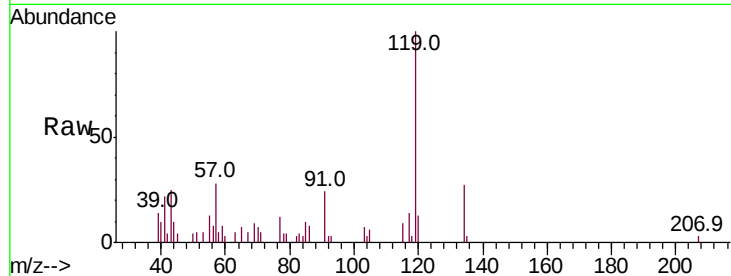




#86
 p-Isopropyltoluene
 Concen: 0.569 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

Tot Ion:119 Resp: 9074
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.6 40.7
 91 28.8 11.2 33.5



#95
 Naphthalene
 Concen: 20.175 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Tgt Ion:128 Resp: 213649
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.3 15.5
 129 11.0 8.7 13.1

