

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053143.D
 Acq On : 22 Dec 2018 19:52
 Operator : MD\SY
 Sample : J6446-01 10X
 Misc : 3.72g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS022-0612-02

Quant Time: Dec 23 23:08:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1219958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1876603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1713116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	788029	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	595860	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	7.59	113	499049	58.22	ug/l	0.00
Spiked Amount			Recovery	=	116.44%	
50) Toluene-d8	10.09	98	2303676	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	817235	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	

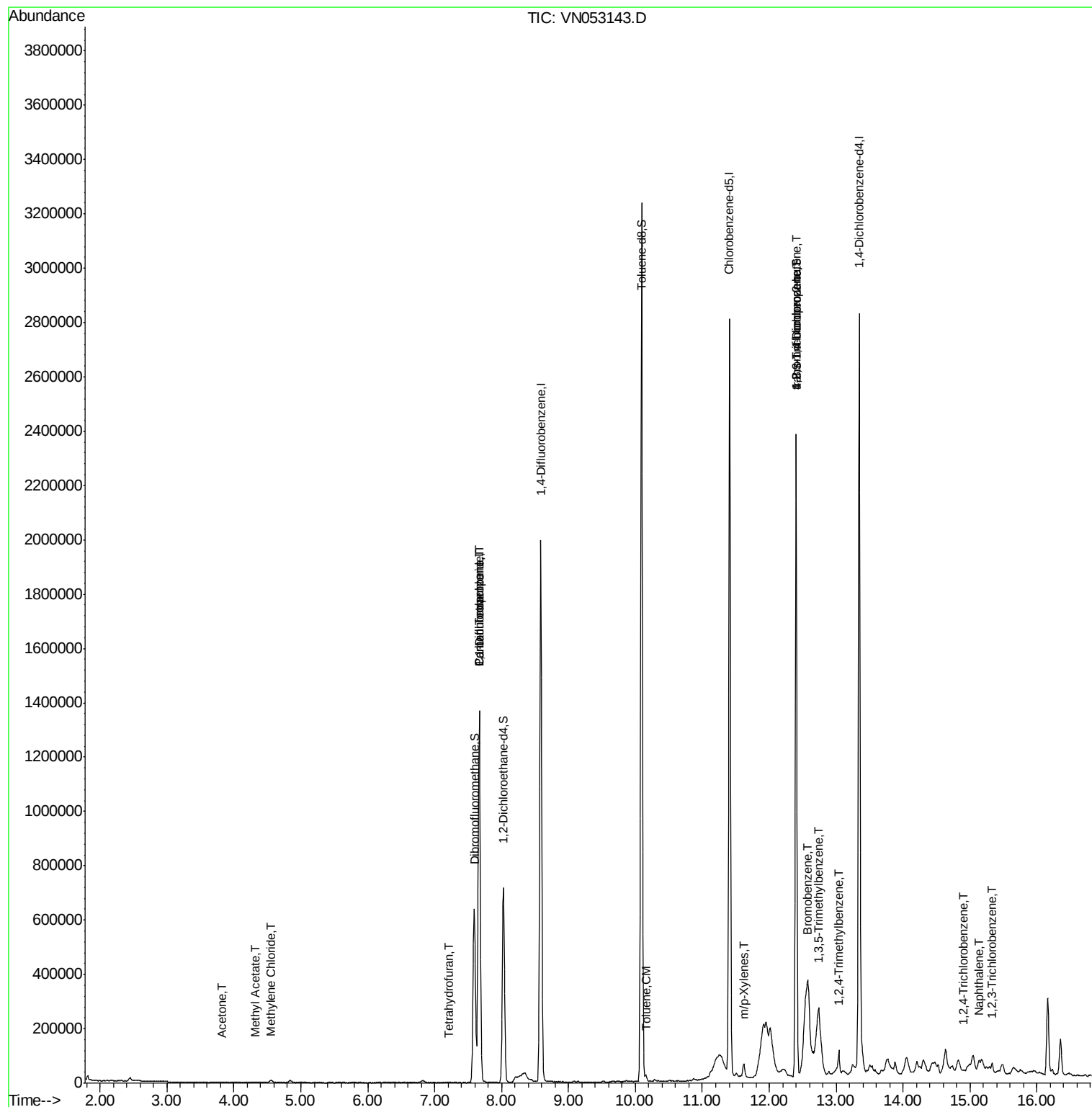
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	2135	0.880	ug/l #	70
18) Methyl Acetate	4.32	43	3079	1.266	ug/l #	89
20) Methylene Chloride	4.55	84	7171	0.542	ug/l #	82
29) Tetrahydrofuran	7.21	42	655	0.215	ug/l #	34
31) Cyclohexane	7.66	56	19367	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	79394	4.408	ug/l #	49
38) Carbon Tetrachloride	7.67	117	103824	6.289	ug/l #	15
43) Isopropyl Acetate	8.21	43	13526	Below Cal	#	53
52) Toluene	10.16	92	8255	0.249	ug/l	86
68) m/p-Xylenes	11.62	106	16233	0.654	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	379520	28.609	ug/l #	100
77) Bromobenzene	12.57	156	500878	31.252	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	17233	0.343	ug/l	78
81) trans-1,4-Dichloro-2-buten	12.40	75	379520	92.211	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	44977	0.890	ug/l	100
93) 1,2,4-Trichlorobenzene	14.91	180	768	0.650	ug/l #	27
95) Naphthalene	15.13	128	29371	2.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96	0.515	ug/l #	1

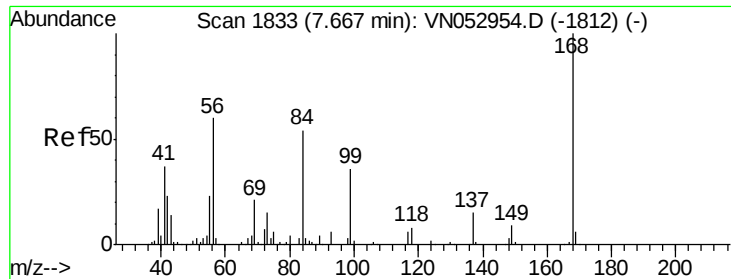
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053143.D

Acq: 22 Dec 2018 19:52

Instrument :

MSVOA_N

ClientSampleId :

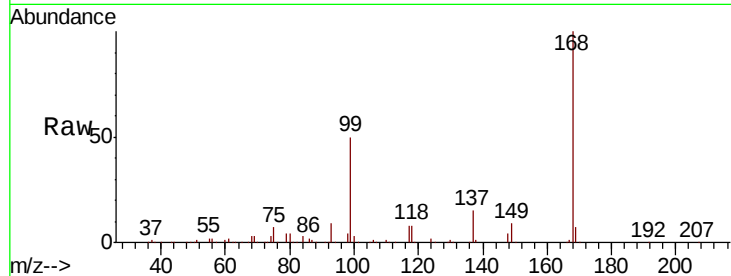
P001-SS022-0612-02

Tot Ion:168 Resp: 1219958

Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053143.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053143.D (-1740) (-)

7.67

600000

500000

400000

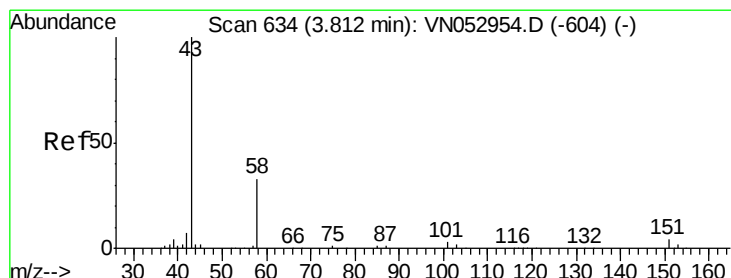
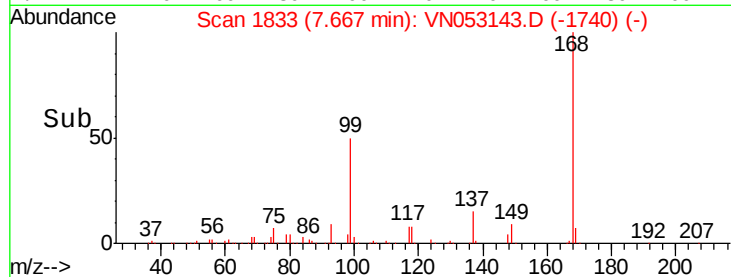
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 0.880 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053143.D

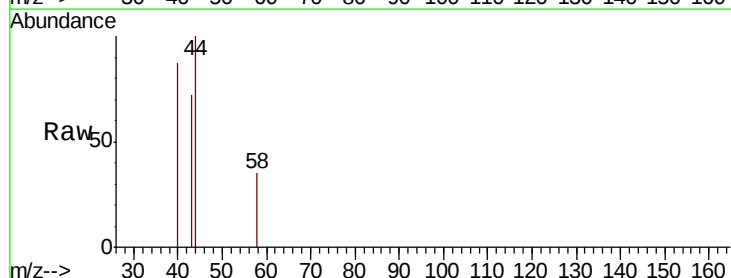
Acq: 22 Dec 2018 19:52

Tgt Ion: 43 Resp: 2135

Ion Ratio Lower Upper

43 100

58 48.3 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN053143.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053143.D (-541) (-)

3.82

800

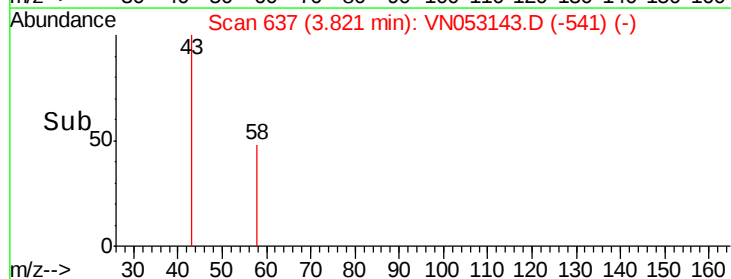
600

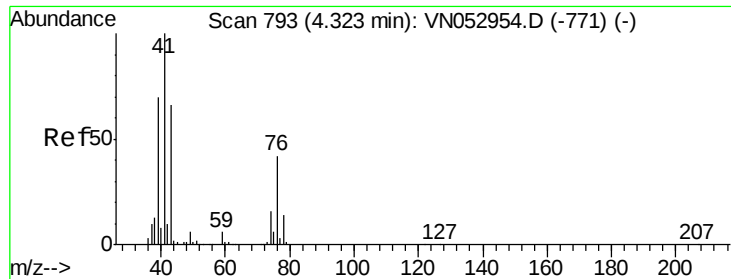
400

200

0

Time-->

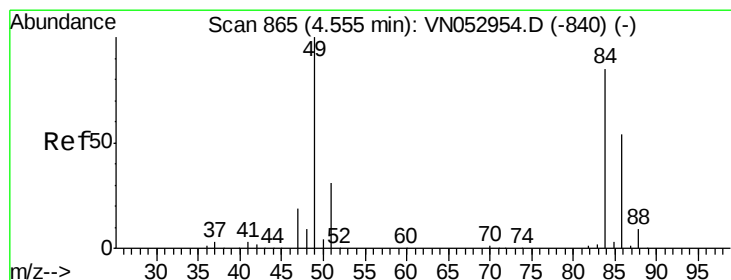
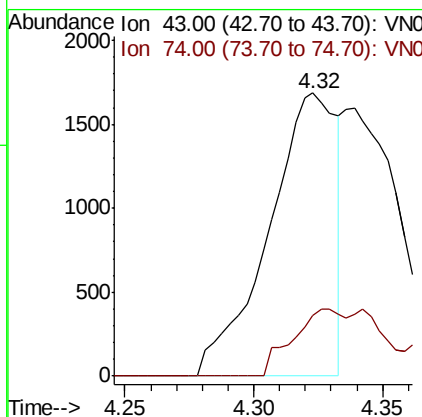
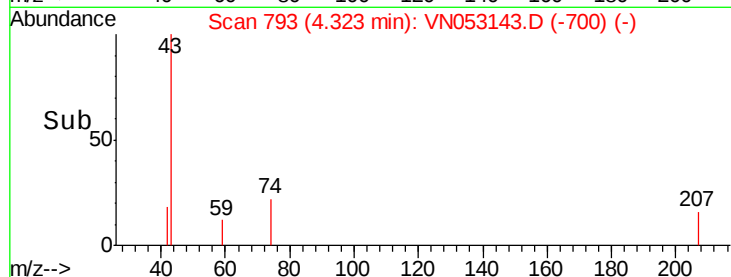
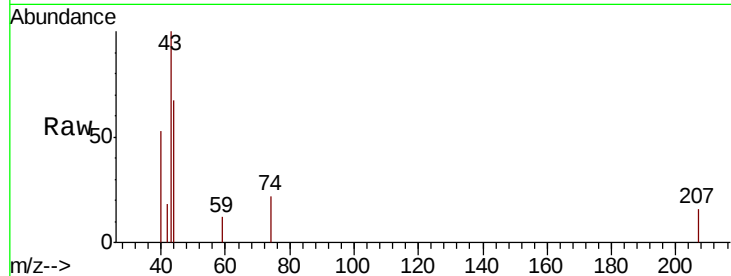




#18
Methyl Acetate
Concen: 1.266 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053143.D
Acq: 22 Dec 2018 19:52

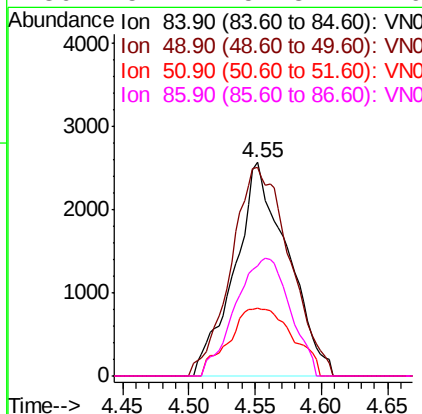
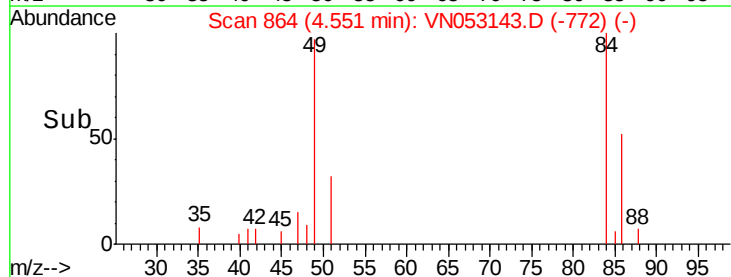
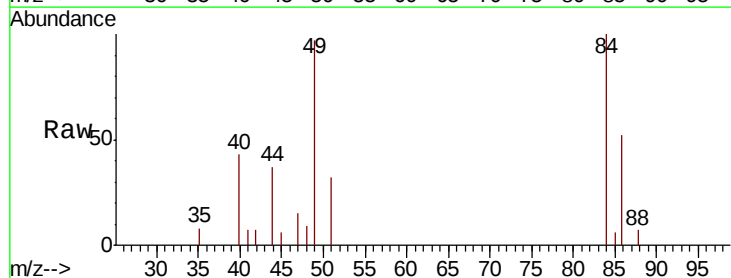
Instrument :
MSVOA_N
ClientSampleId :
P001-SS022-0612-02

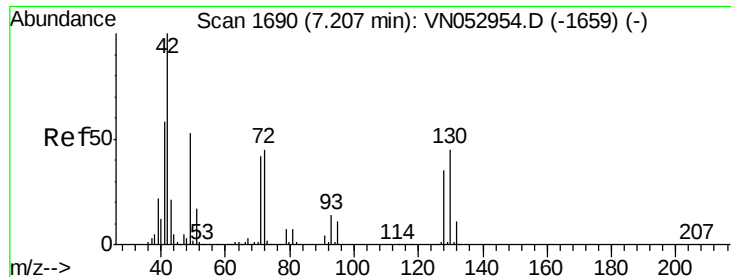
Tot Ion: 43 Resp: 3079
Ion Ratio Lower Upper
43 100
74 18.4 19.2 28.8#



#20
Methylene Chloride
Concen: 0.542 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053143.D
Acq: 22 Dec 2018 19:52

Tgt Ion: 84 Resp: 7171
Ion Ratio Lower Upper
84 100
49 97.5 96.8 145.2
51 31.6 29.9 44.9
86 51.7 51.8 77.6#

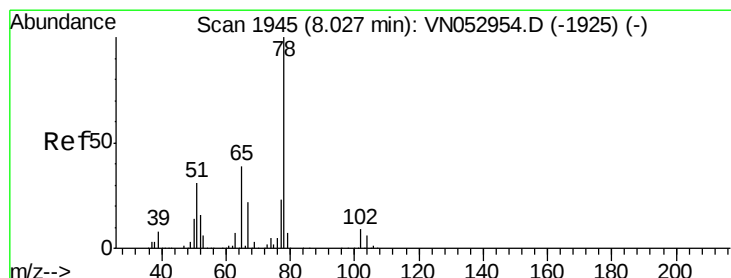
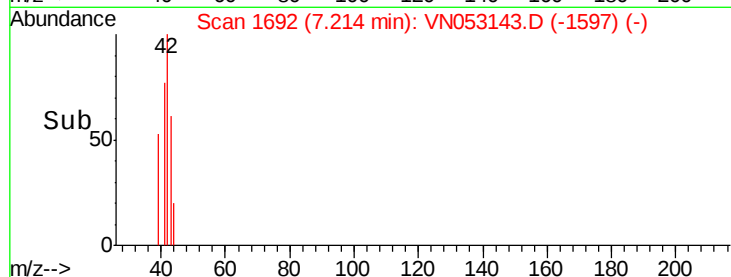
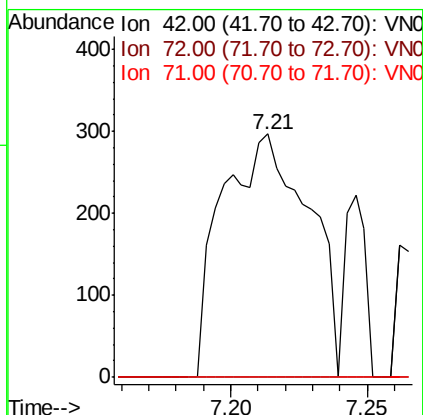
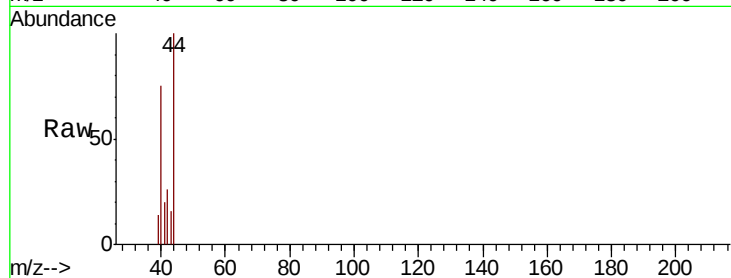




#29
Tetrahydrofuran
Concen: 0.215 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053143.D
Acq: 22 Dec 2018 19:52

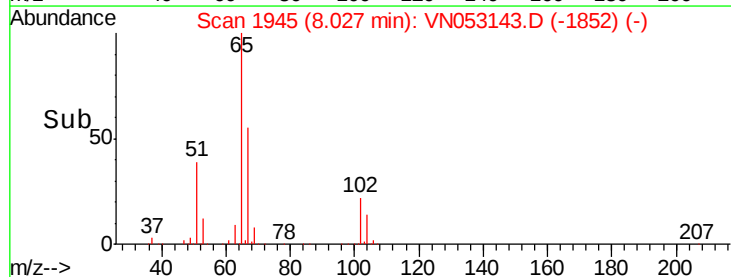
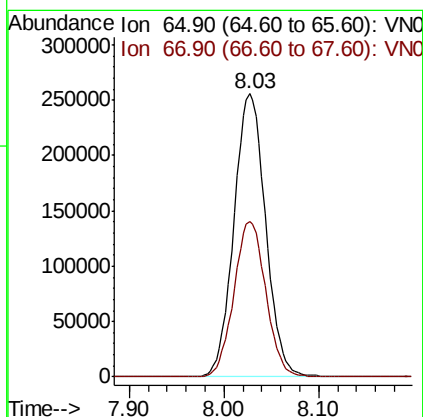
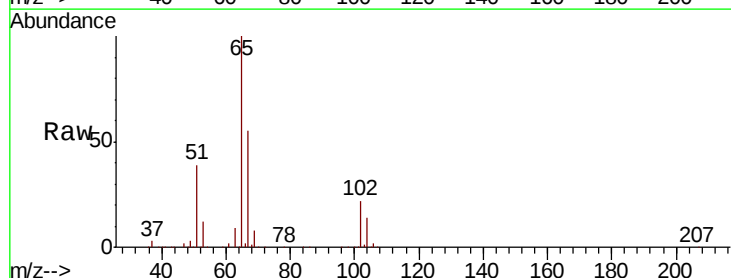
Instrument :
MSVOA_N
ClientSampleId :
P001-SS022-0612-02

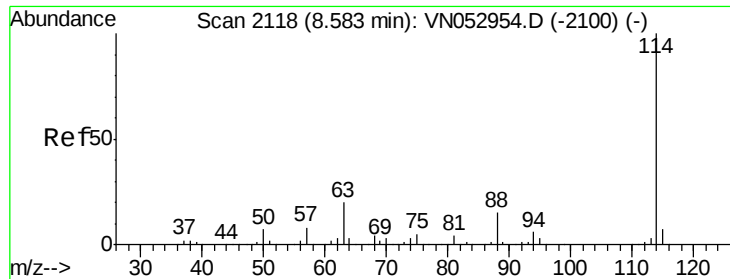
Tot Ion: 42 Resp: 655
Ion Ratio Lower Upper
42 100
72 0.0 34.7 52.1#
71 0.0 32.3 48.5#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053143.D
Acq: 22 Dec 2018 19:52

Tgt Ion: 65 Resp: 595860
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.4

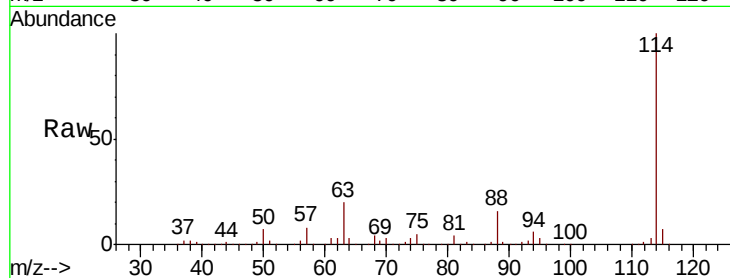




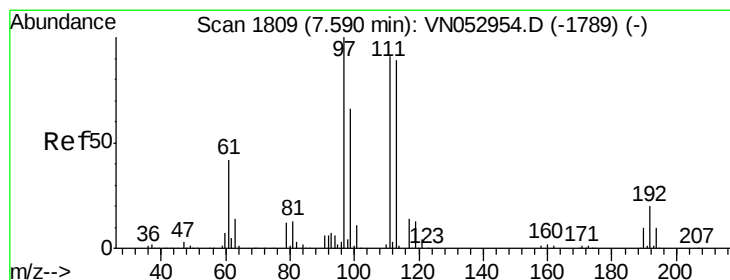
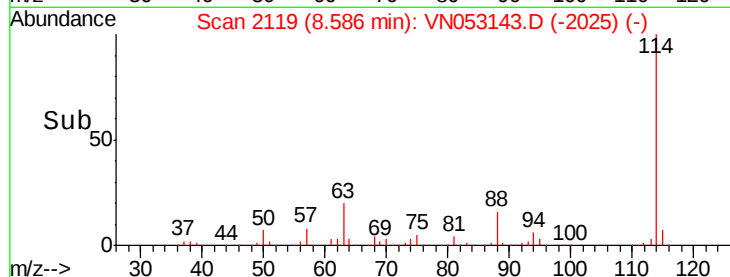
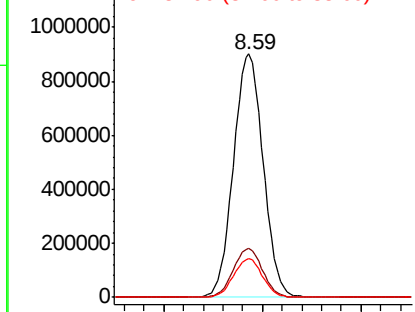
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS022-0612-02

Tot Ion:114 Resp: 1876603
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.8 0.0 31.0

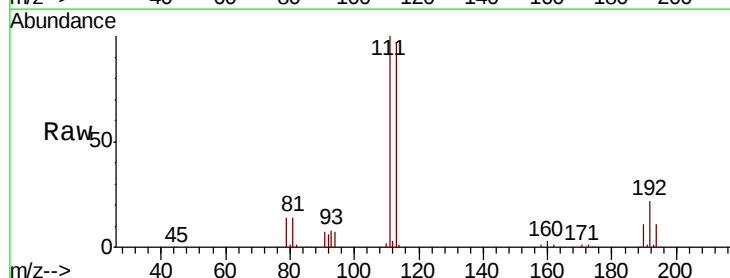


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

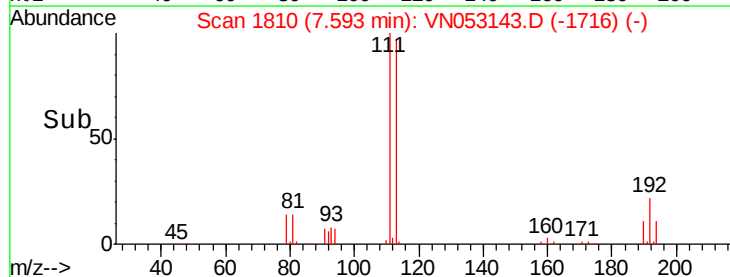
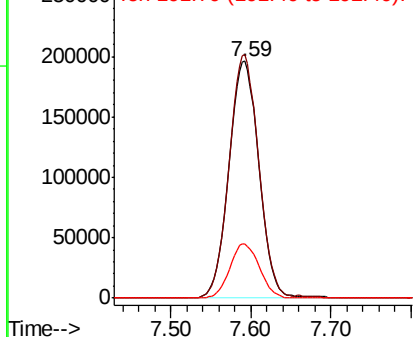


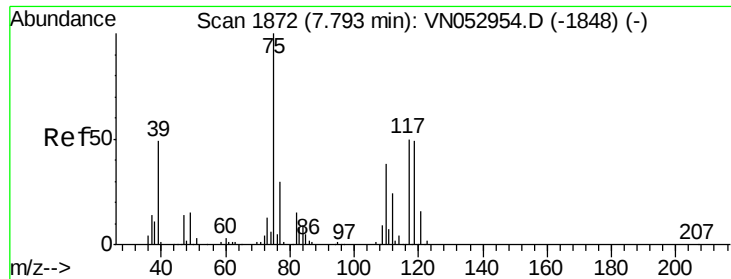
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Tgt Ion:113 Resp: 499049
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.0 124.4
 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

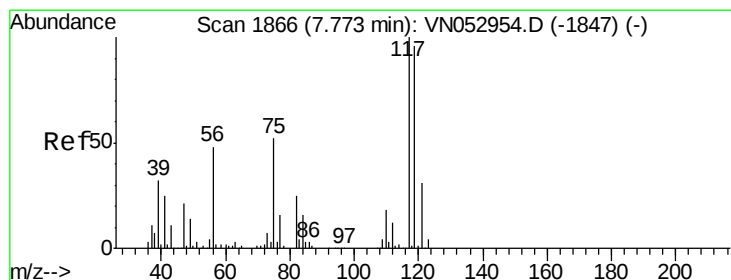
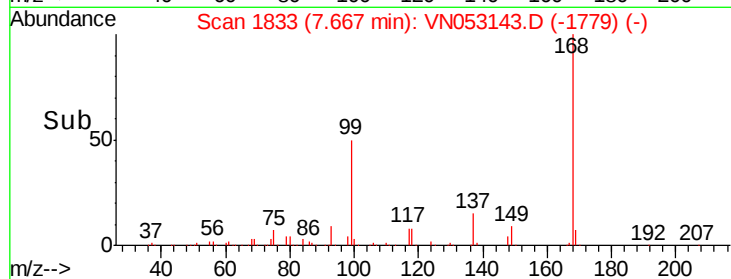
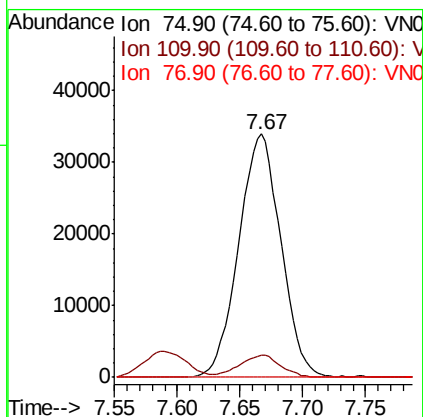
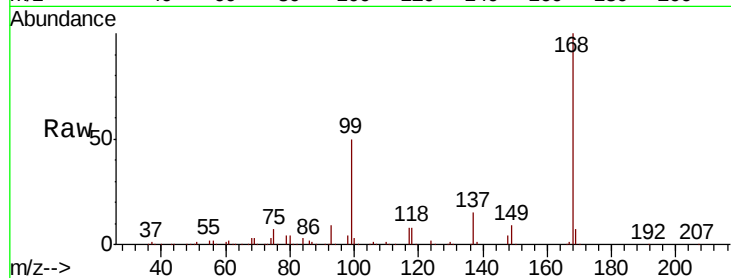




#36
 1,1-Dichloropropene
 Concen: 4.408 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

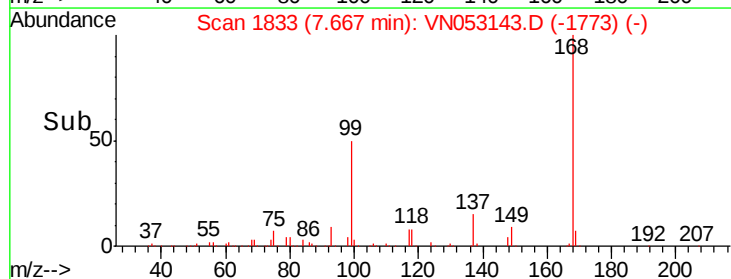
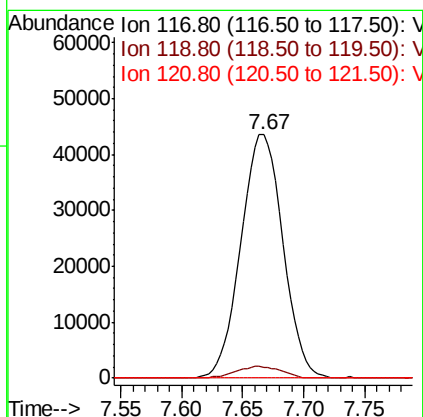
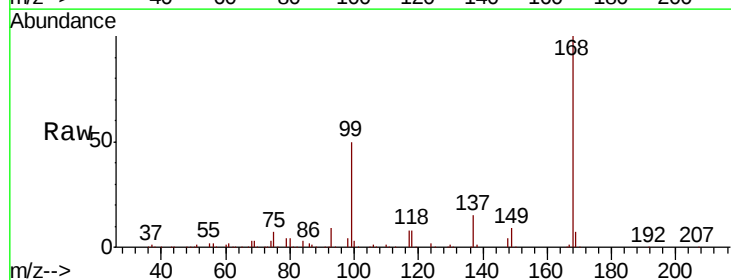
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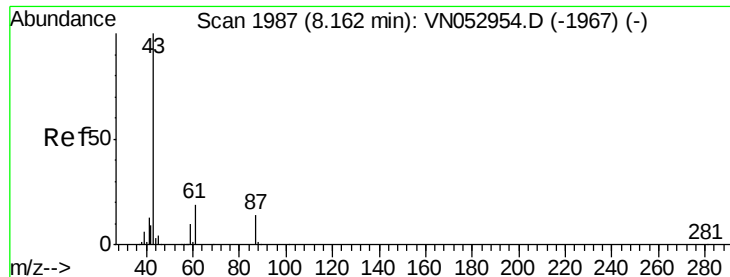
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.289 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.1	115.7#
121	0.0	24.9	37.3#



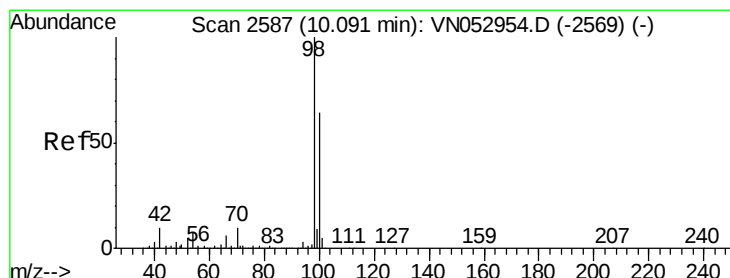
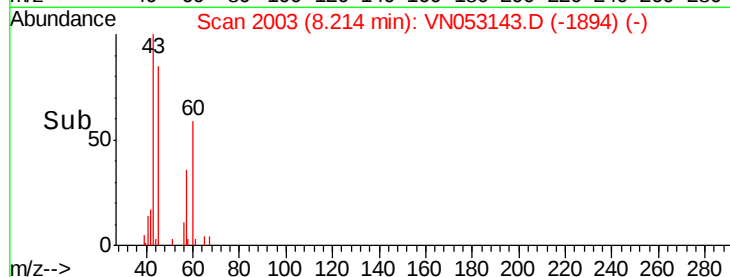
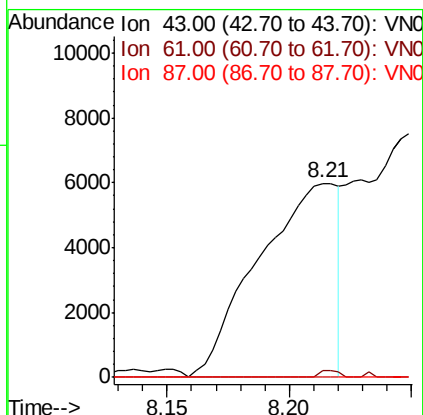
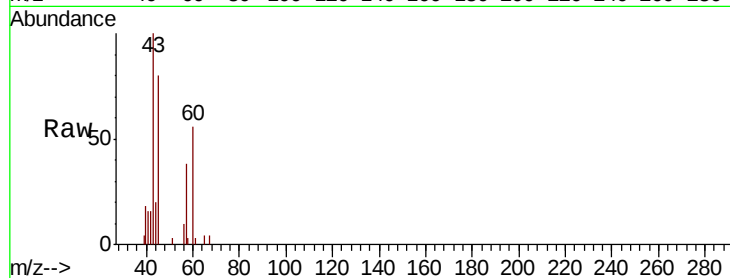


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.21 min Scan# 2003
 Delta R.T. 0.05 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Instrument :
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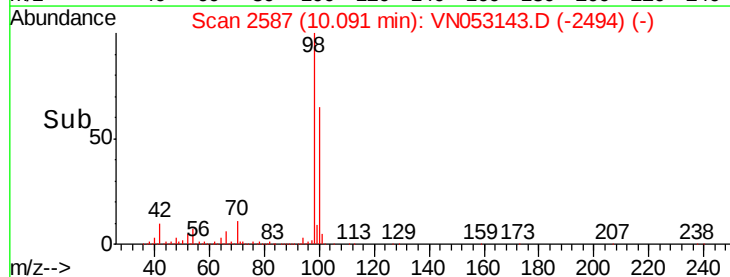
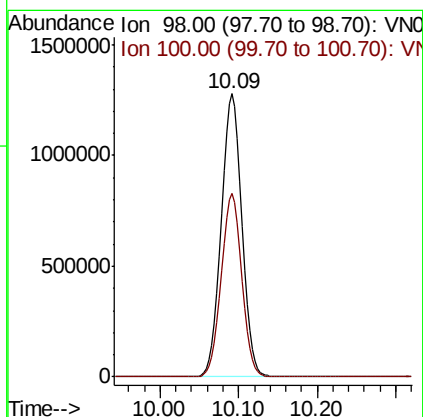
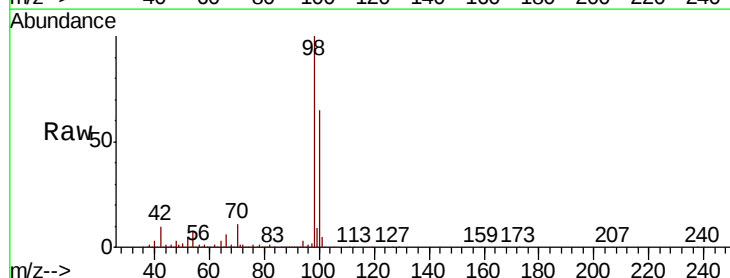
Tot Ion	43	Resp	13526
Ion Ratio	Lower	Upper	
43	100		
61	0.0	22.9	34.3#
87	0.0	10.6	15.8#

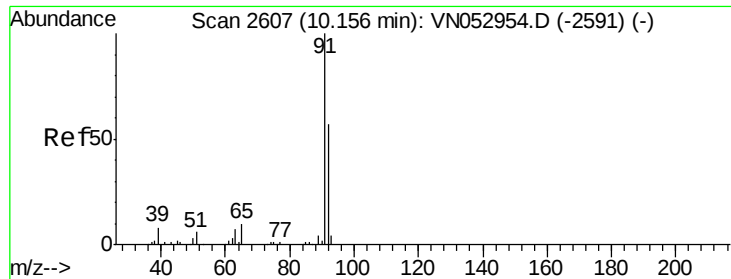


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Tgt Ion	98	Resp	2303676
Ion Ratio	Lower	Upper	
98	100		
100	64.5	51.6	77.4





#52

Toluene

Concen: 0.249 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053143.D

Acq: 22 Dec 2018 19:52

Instrument :

MSVOA_N

ClientSampleId :

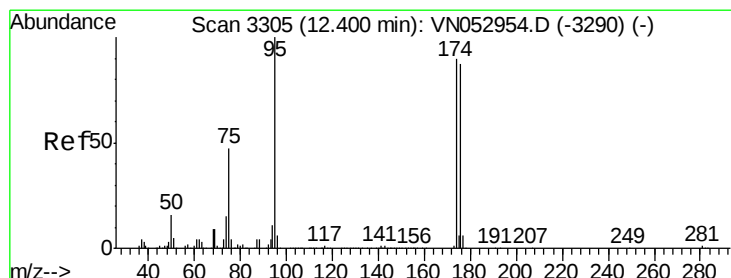
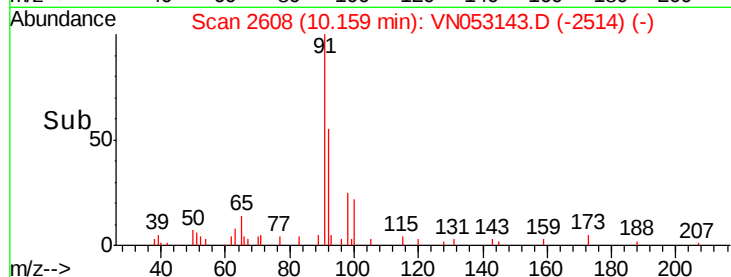
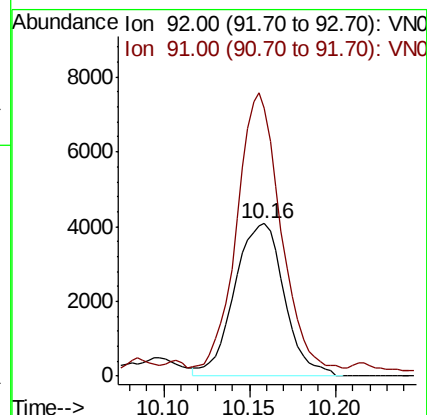
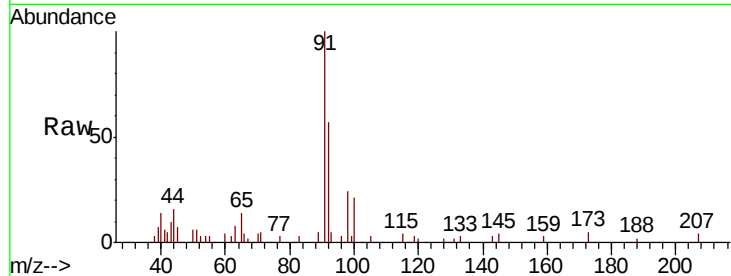
P001-SS022-0612-02

Tot Ion: 92 Resp: 8255

Ion Ratio Lower Upper

92 100

91 155.6 139.8 209.6



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053143.D

Acq: 22 Dec 2018 19:52

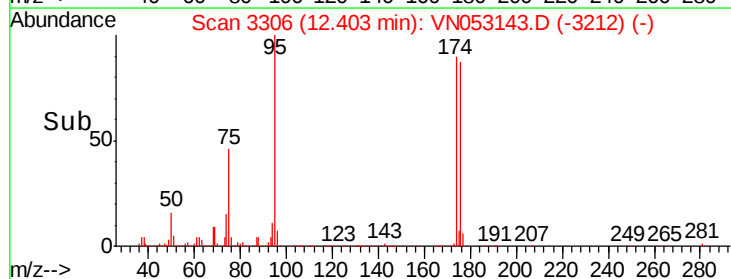
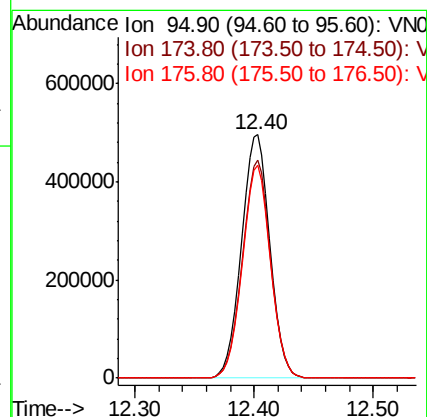
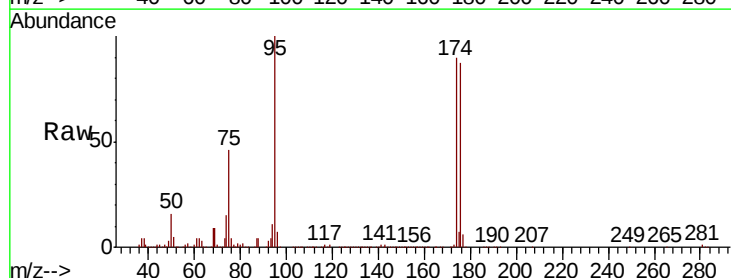
Tgt Ion: 95 Resp: 817235

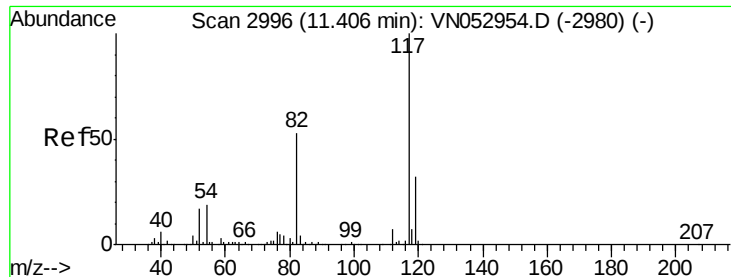
Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.8

176 86.5 0.0 173.8

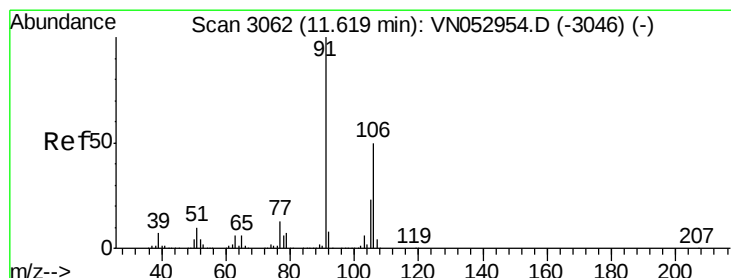
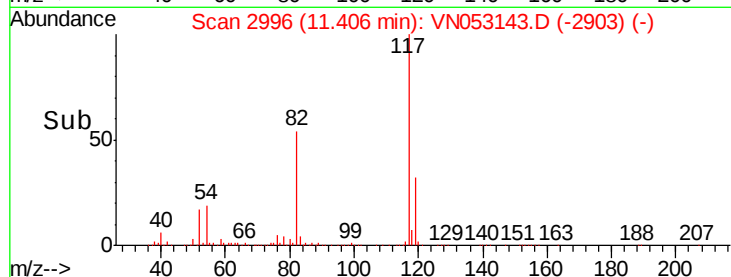
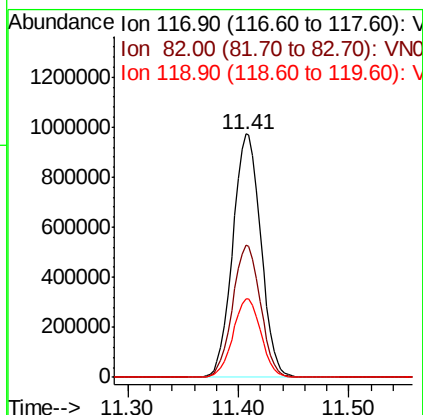
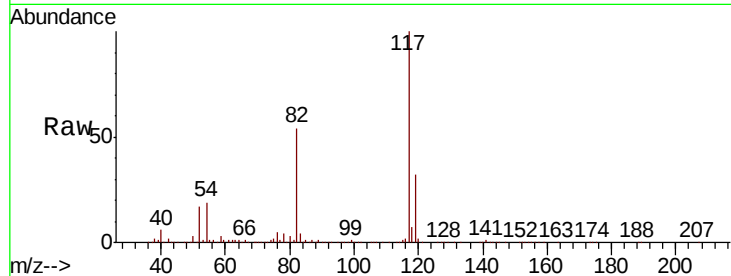




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053143.D
Acq: 22 Dec 2018 19:52

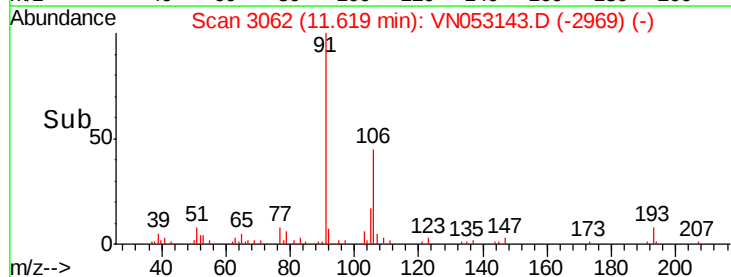
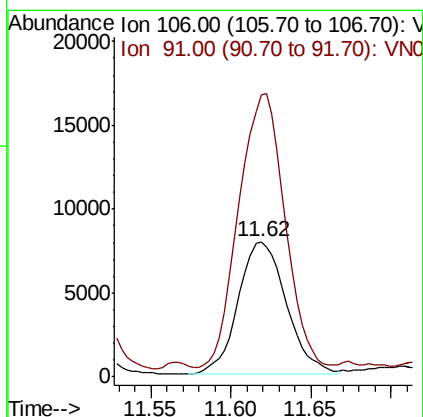
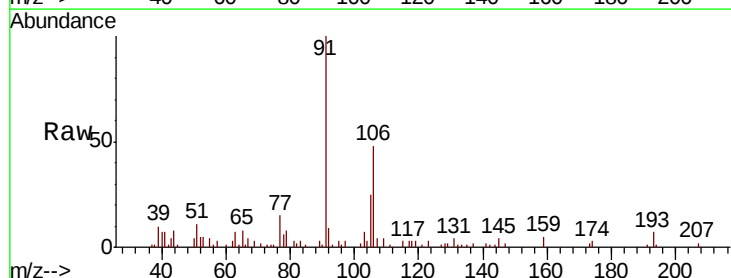
Instrument :
MSVOA_N
ClientSampleId :
P001-SS022-0612-02

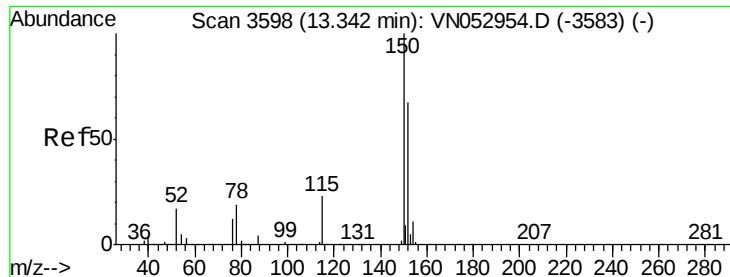
Tot Ion:117 Resp: 1713116
Ion Ratio Lower Upper
117 100
82 54.2 42.8 64.2
119 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 0.654 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053143.D
Acq: 22 Dec 2018 19:52

Tgt Ion:106 Resp: 16233
Ion Ratio Lower Upper
106 100
91 196.8 162.2 243.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053143.D

Acq: 22 Dec 2018 19:52

Instrument :

MSVOA_N

ClientSampleId :

P001-SS022-0612-02

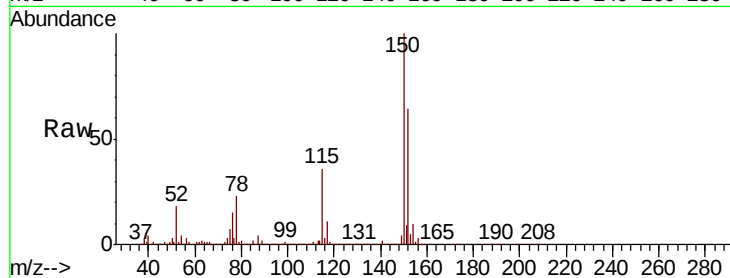
Tot Ion:152 Resp: 788029

Ion Ratio Lower Upper

152 100

115 57.7 28.3 85.0

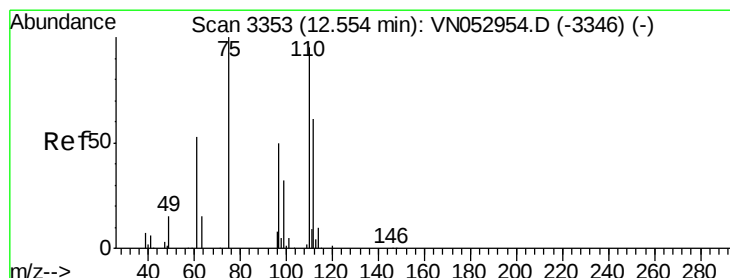
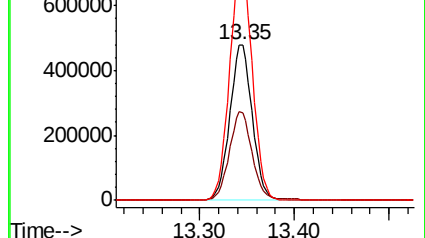
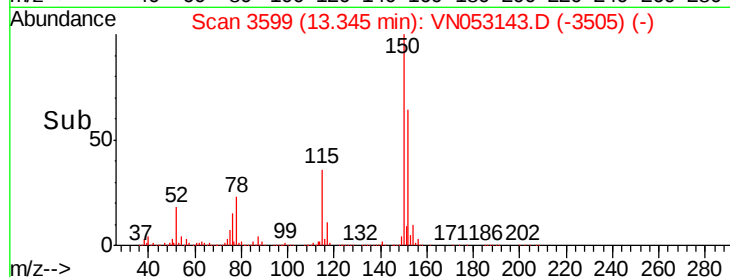
150 155.1 0.0 347.8



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



#76

1,2,3-Trichloropropane

Concen: 28.609 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053143.D

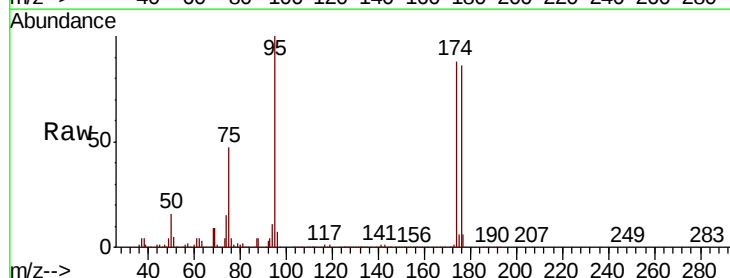
Acq: 22 Dec 2018 19:52

Tgt Ion: 75 Resp: 379520

Ion Ratio Lower Upper

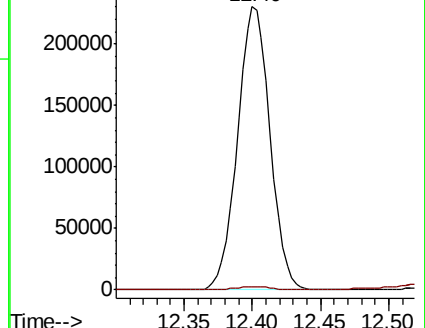
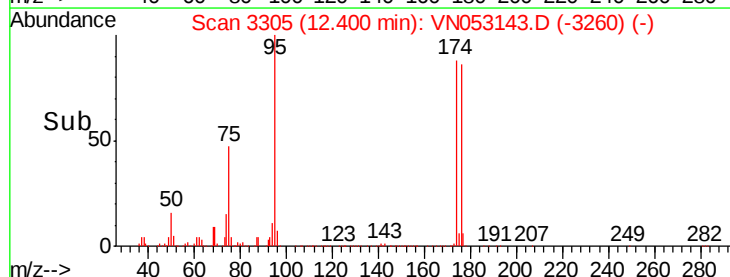
75 100

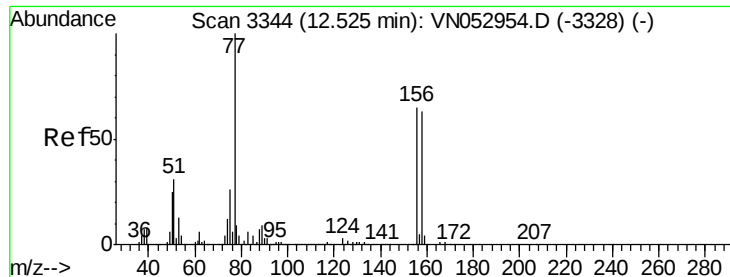
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 31.252 ug/l

RT: 12.57 min Scan# 3359

Delta R.T. 0.05 min

Lab File: VN053143.D

Acq: 22 Dec 2018 19:52

Instrument :

MSVOA_N

ClientSampleId :

P001-SS022-0612-02

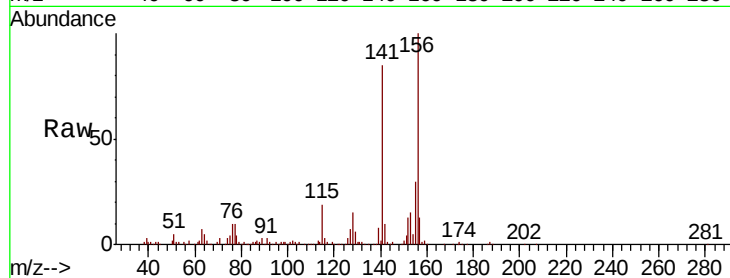
Tot Ion:156 Resp: 500878

Ion Ratio Lower Upper

156 100

77 6.9 91.3 273.8#

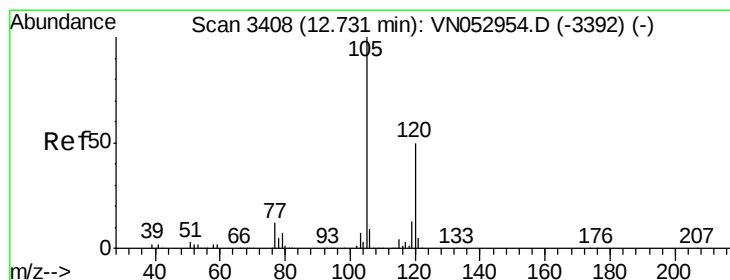
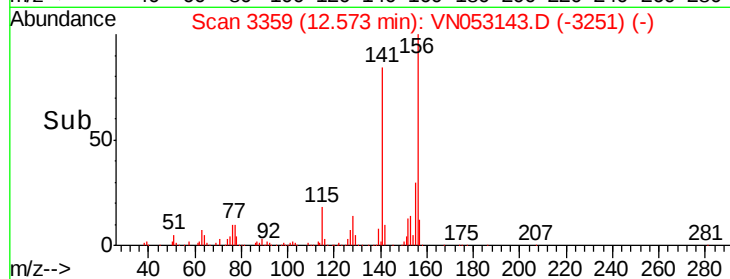
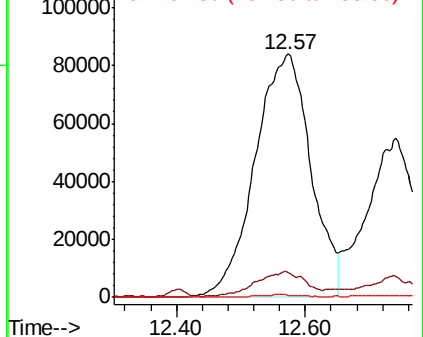
158 0.3 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.343 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053143.D

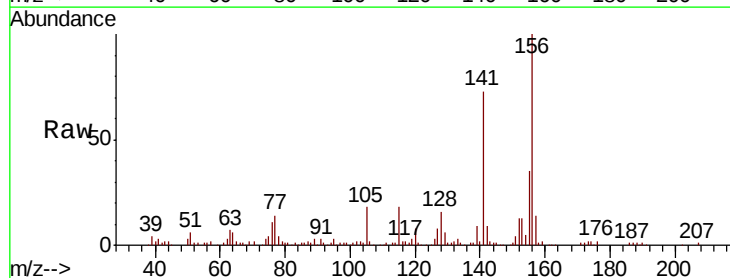
Acq: 22 Dec 2018 19:52

Tgt Ion:105 Resp: 17233

Ion Ratio Lower Upper

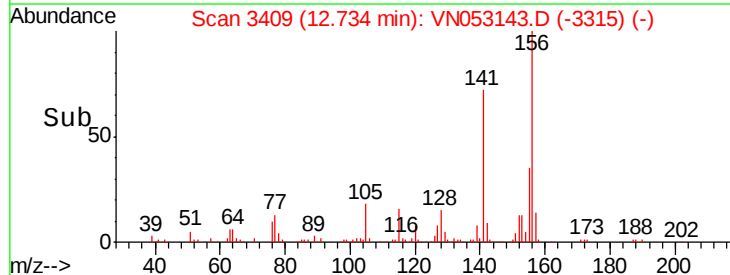
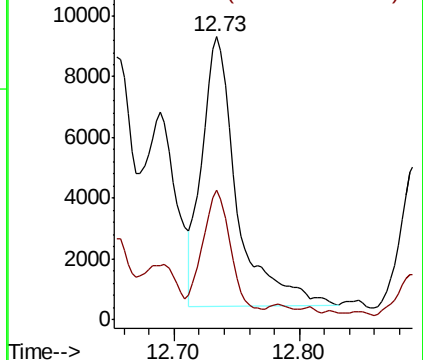
105 100

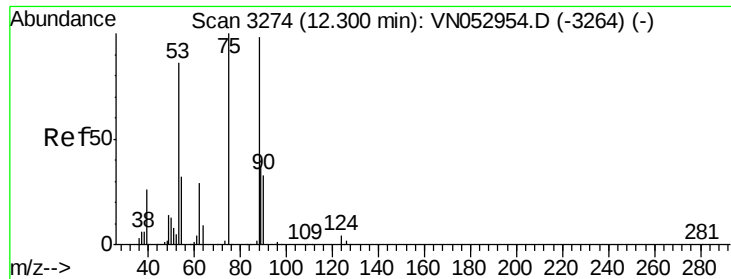
120 33.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 92.211 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053143.D

Acq: 22 Dec 2018 19:52

Instrument :

MSVOA_N

ClientSampleId :

P001-SS022-0612-02

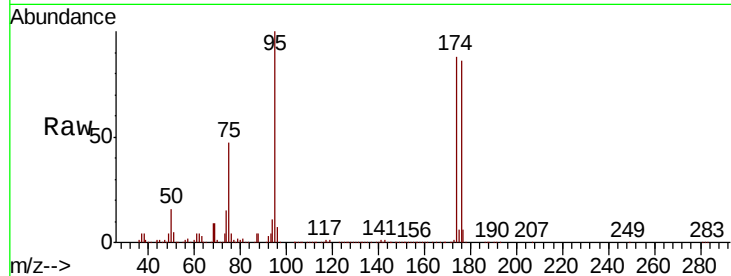
Tot Ion: 75 Resp: 379520

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

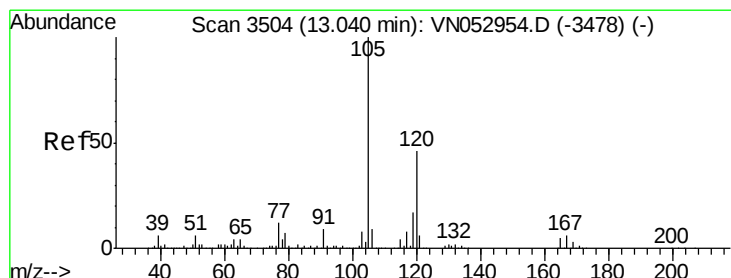
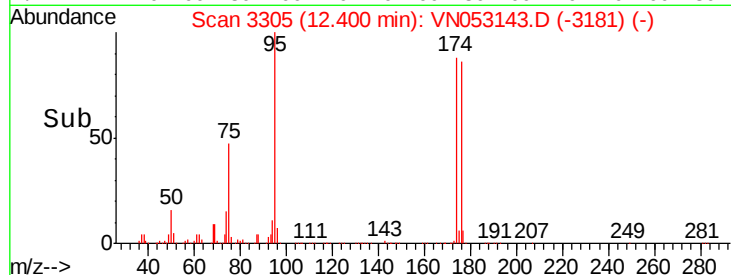
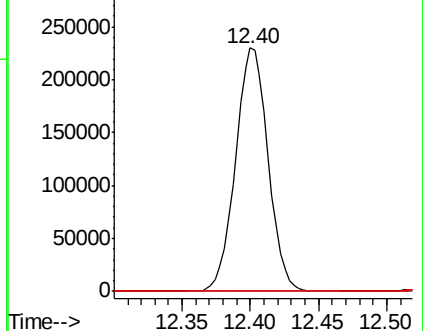
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052954.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052954.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.890 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053143.D

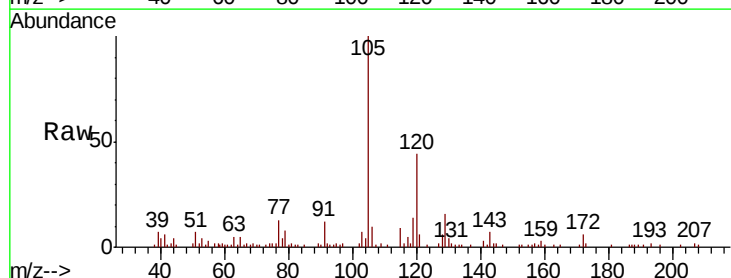
Acq: 22 Dec 2018 19:52

Tgt Ion: 105 Resp: 44977

Ion Ratio Lower Upper

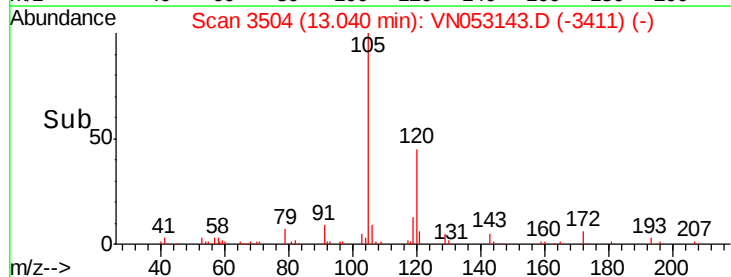
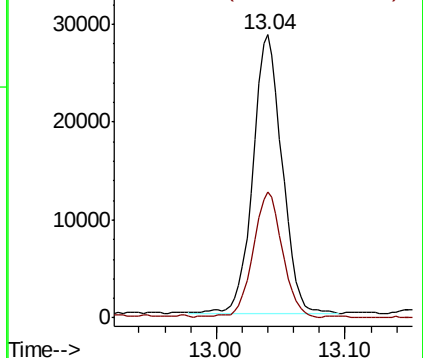
105 100

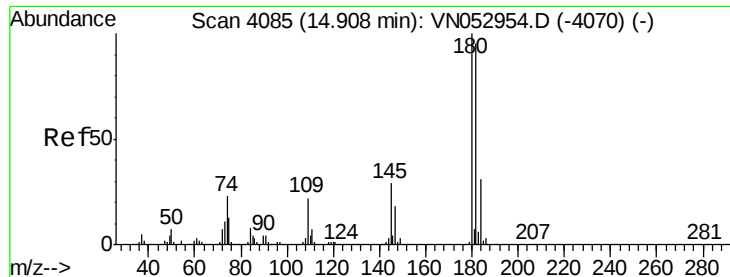
120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3478) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3478) (-)

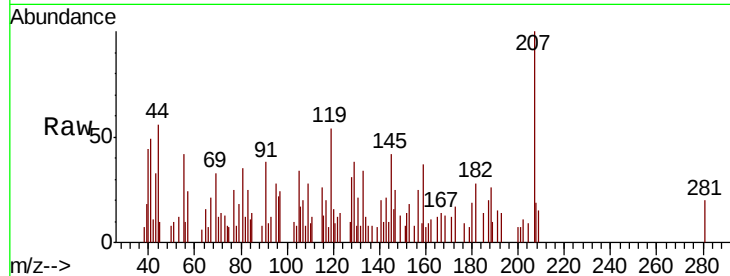




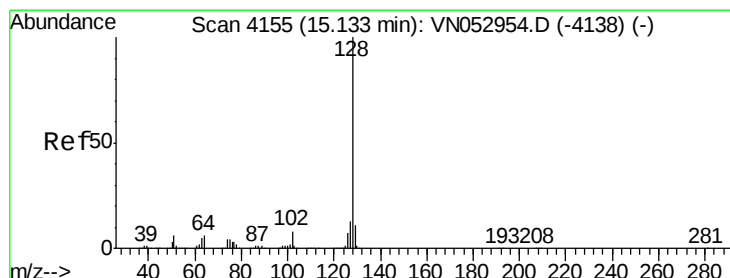
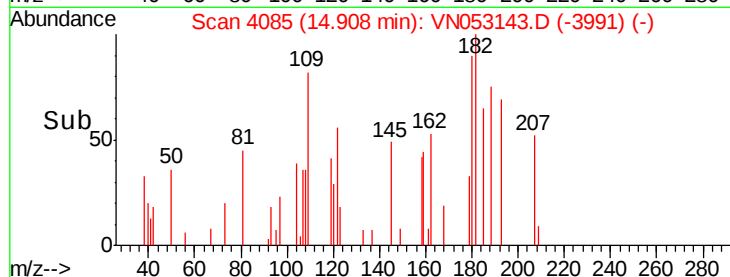
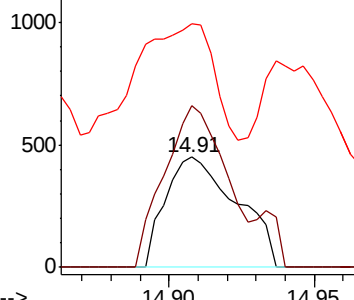
#93
 1,2,4-Trichlorobenzene
 Concen: 0.650 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS022-0612-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	142.1	47.8	143.3
145	112.8	14.2	42.6

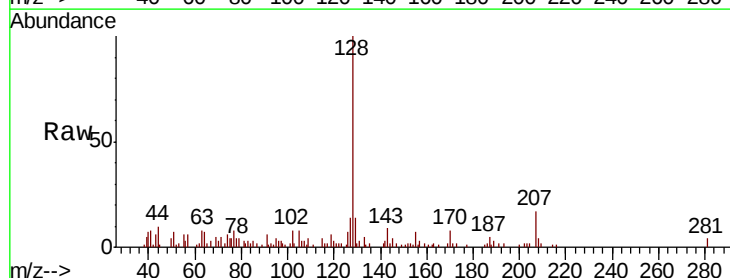


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

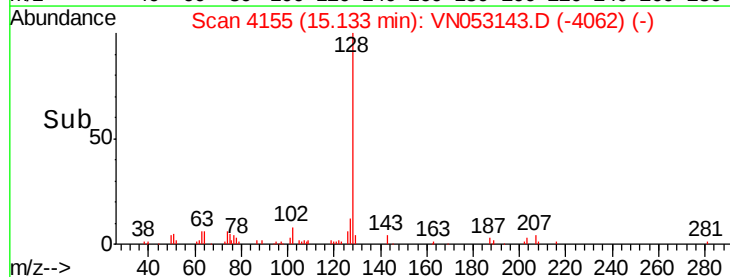
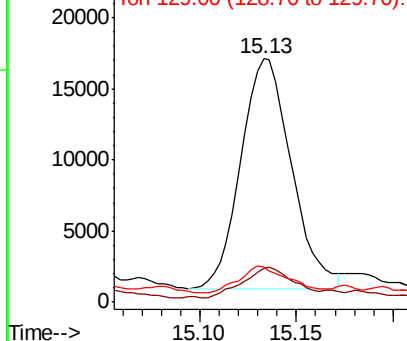


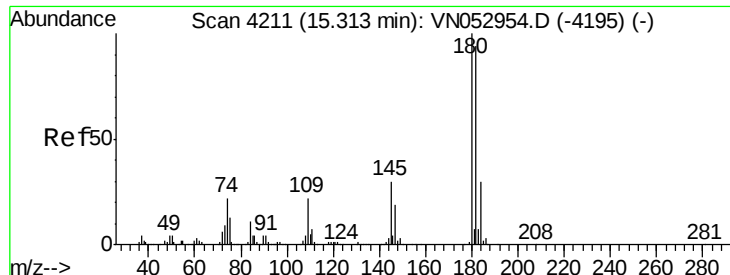
#95
 Naphthalene
 Concen: 2.073 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.2	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

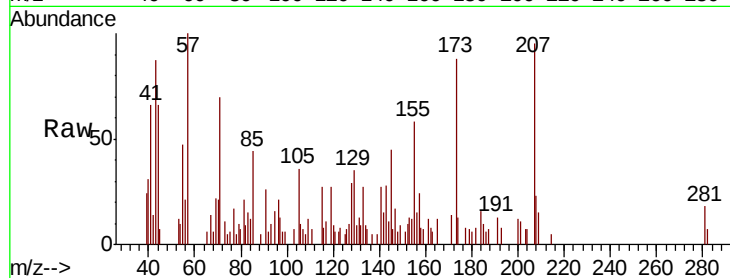




#96
 1,2,3-Trichlorobenzene
 Concen: 0.515 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053143.D
 Acq: 22 Dec 2018 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS022-0612-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	252.1	47.9	143.7#
145	1449.0	15.0	45.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

