

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052022.D
 Acq On : 26 Oct 2018 12:33
 Operator : MD\SY
 Sample : PB114195TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195TB

Quant Time: Oct 26 23:21:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1179939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1722307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1636496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	744140	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	601947	57.28	ug/l	0.00
Spiked Amount			Recovery	=	114.56%	
35) Dibromofluoromethane	7.59	113	643698	58.57	ug/l	0.00
Spiked Amount			Recovery	=	117.14%	
50) Toluene-d8	10.09	98	2363737	59.52	ug/l	0.00
Spiked Amount			Recovery	=	119.04%	
62) 4-Bromofluorobenzene	12.40	95	740212	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	186	0.342	ug/l #	72
13) Acrolein	3.61	56	433	38.449	ug/l	86
15) Acrylonitrile	5.01	53	690	0.301	ug/l #	33
16) Acetone	3.82	43	10782	6.227	ug/l	91
17) Carbon Disulfide	4.06	76	5864	0.286	ug/l #	93
18) Methyl Acetate	4.34	43	6430	Below Cal		90
20) Methylene Chloride	4.55	84	14591	1.437	ug/l #	96
25) 2-Butanone	6.85	43	2014	0.816	ug/l #	84
29) Tetrahydrofuran	7.22	42	805	0.481	ug/l #	47
31) Cyclohexane	7.66	56	18976	Below Cal	#	41
36) 1,1-Dichloropropene	7.67	75	68629	5.195	ug/l #	47
37) Ethyl Acetate	6.92	43	175	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	102065	6.729	ug/l #	15
43) Isopropyl Acetate	8.17	43	336361	30.400	ug/l	99
48) Methyl methacrylate	9.18	41	8176	1.529	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	2095	0.344	ug/l #	32
53) t-1,3-Dichloropropene	10.37	75	361	1.270	ug/l #	78
59) 2-Hexanone	10.76	43	22994	5.623	ug/l #	52
60) Dibromochloromethane	10.90	129	108	1.986	ug/l #	11
71) Bromoform	12.40	173	6652	4.394	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	354500	46.119	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8346	0.220	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	354500	145.109	ug/l #	12
87) 1,3-Dichlorobenzene	13.28	146	5228	0.218	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	5228	0.221	ug/l	96
89) n-Butylbenzene	13.62	91	8413	0.251	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	5482	0.236	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	730	0.488	ug/l	65
93) 1,2,4-Trichlorobenzene	14.90	180	12959	0.944	ug/l	95
94) Hexachlorobutadiene	15.01	225	5058	0.717	ug/l	91
95) Naphthalene	15.13	128	23697	0.795	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	12232	0.932	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

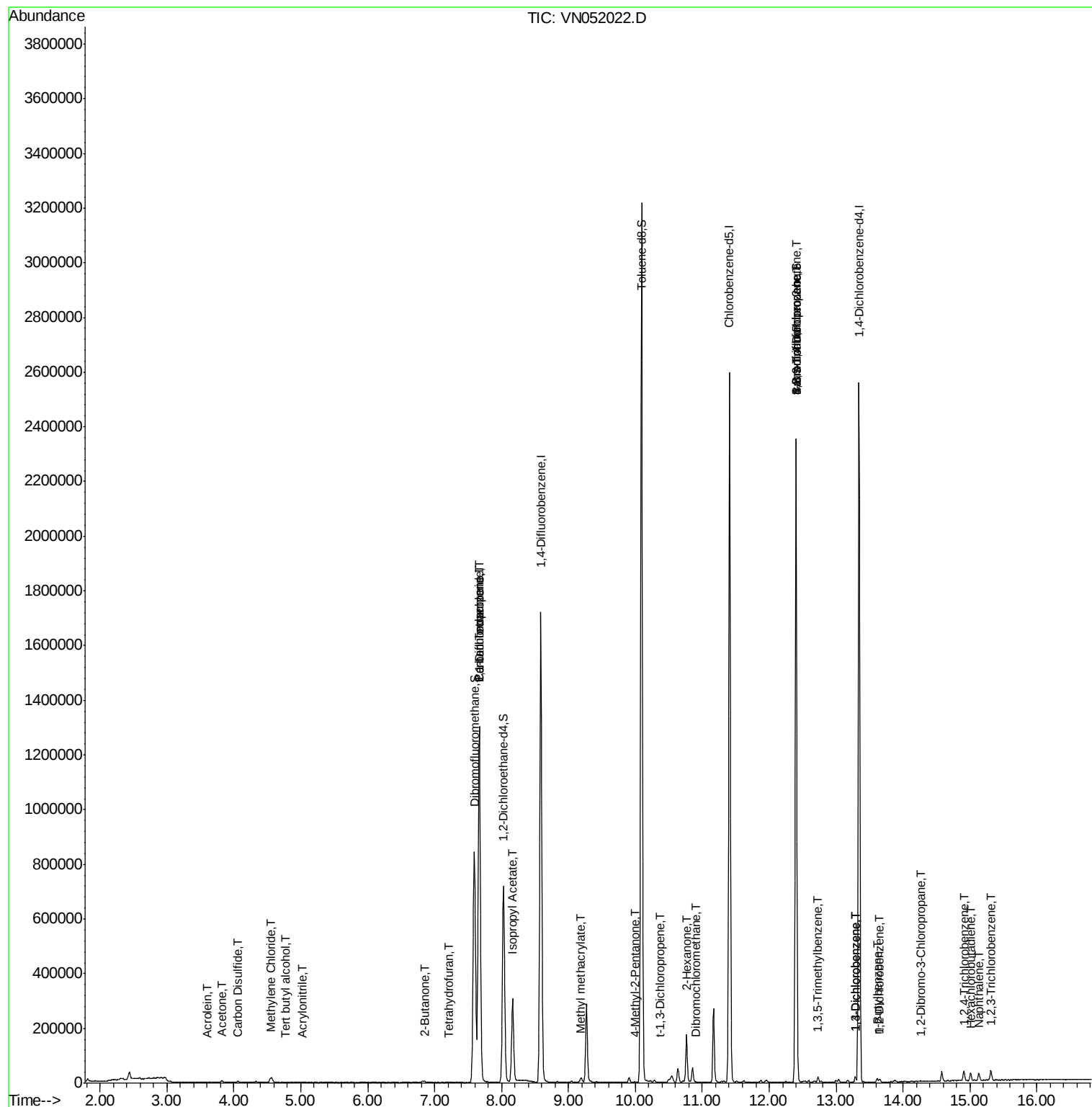
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

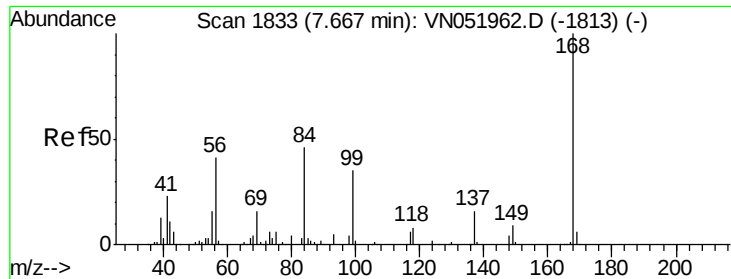
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampled :

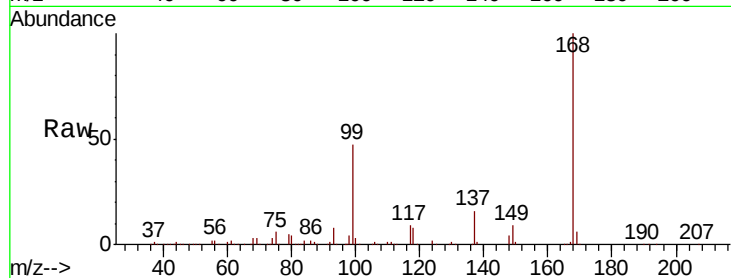
PB114195TB

Tot Ion:168 Resp: 1179939

Ion Ratio Lower Upper

168 100

99 46.6 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

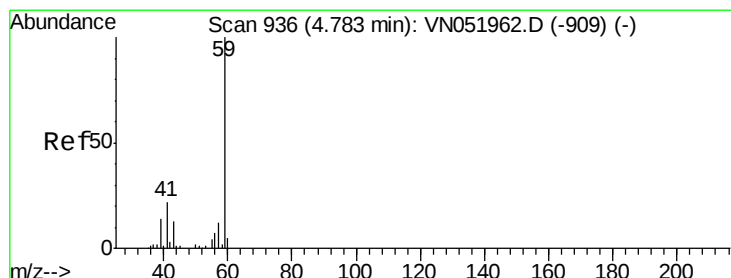
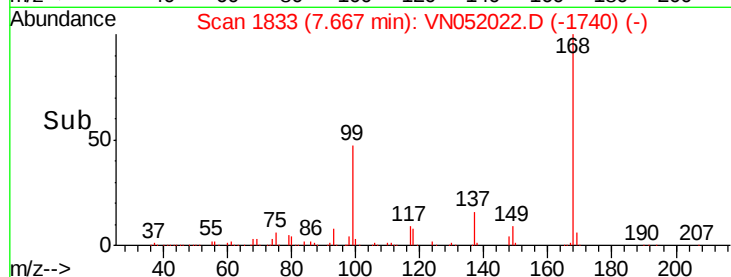
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.342 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.02 min

Lab File: VN052022.D

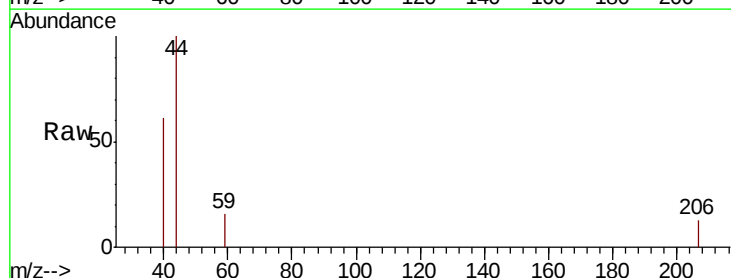
Acq: 26 Oct 2018 12:33

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

250

200

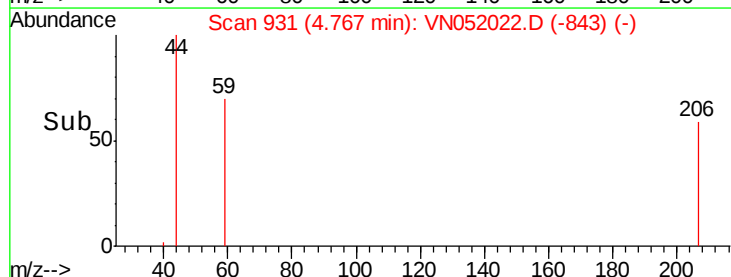
150

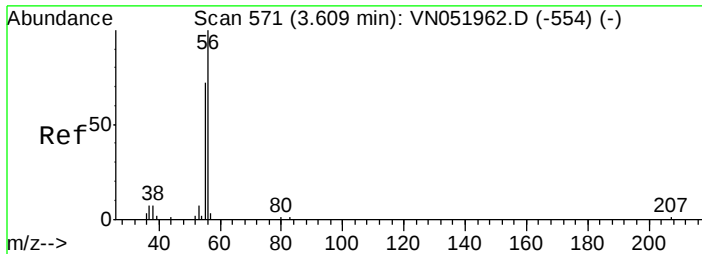
100

50

0

Time-->

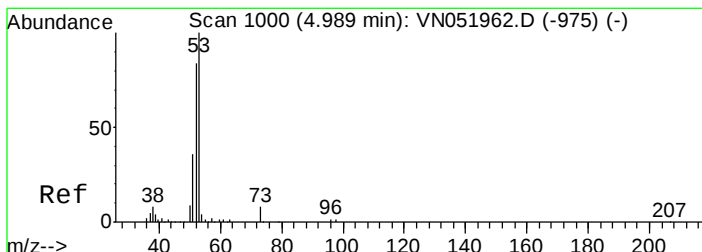
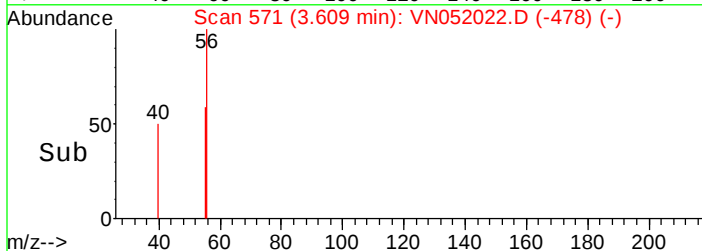
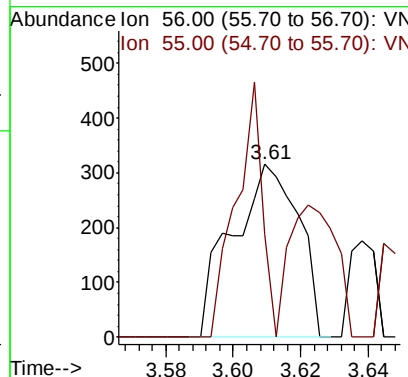
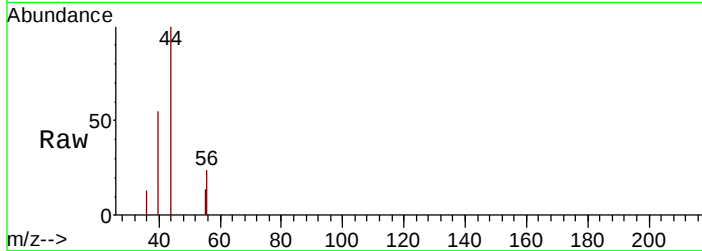




#13
Acrolein
Concen: 38.449 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

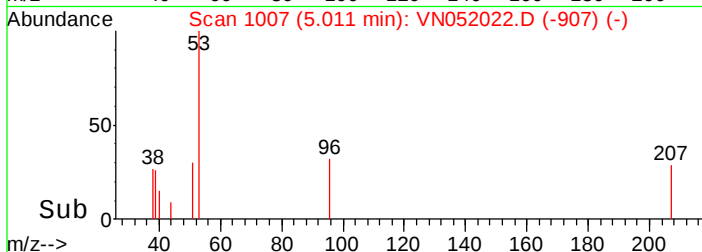
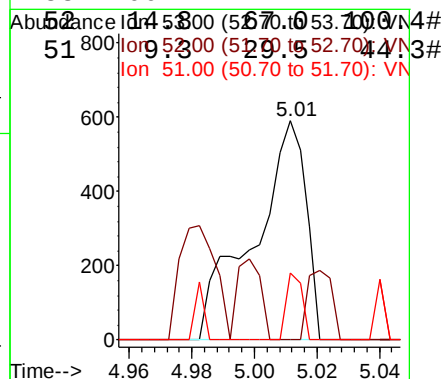
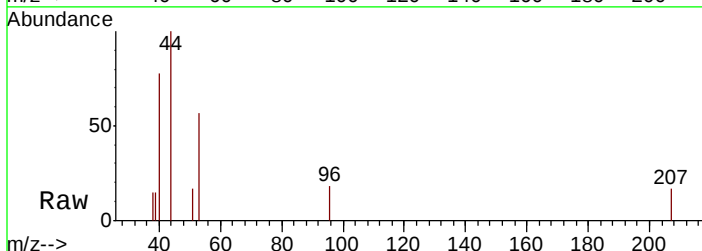
Instrument :
MSVOA_N
ClientSampleId :
PB114195TB

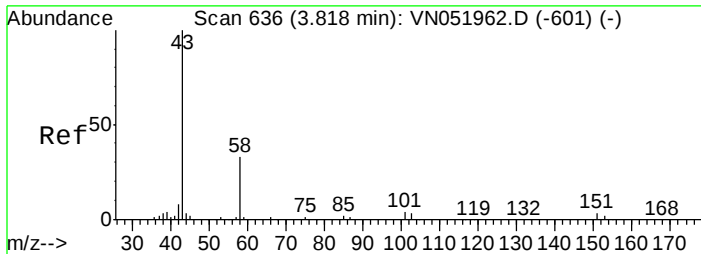
Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
55 58.9 56.6 84.8



#15
Acrylonitrile
Concen: 0.301 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion: 53 Resp: 690
Ion Ratio Lower Upper
53 100





#16

Acetone

Concen: 6.227 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

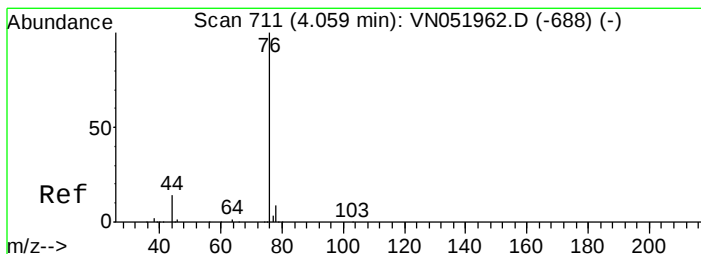
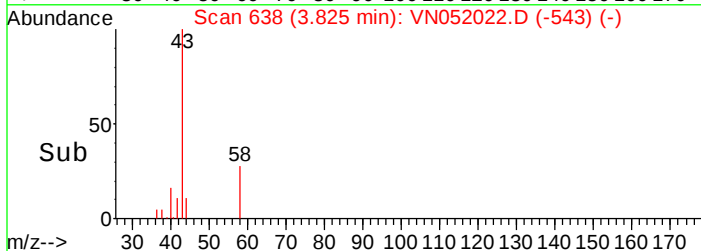
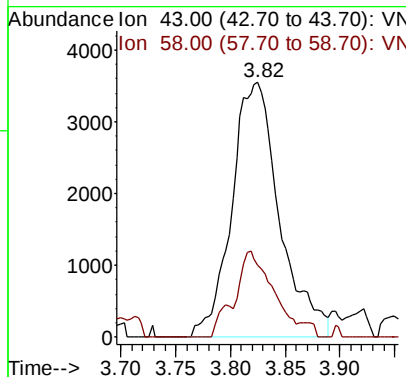
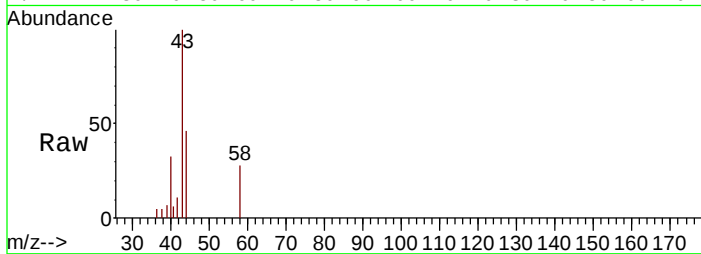
PB114195TB

Tot Ion: 43 Resp: 10782

Ion Ratio Lower Upper

43 100

58 28.2 26.7 40.1



#17

Carbon Disulfide

Concen: 0.286 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Tgt Ion: 76 Resp: 5864

Ion Ratio Lower Upper

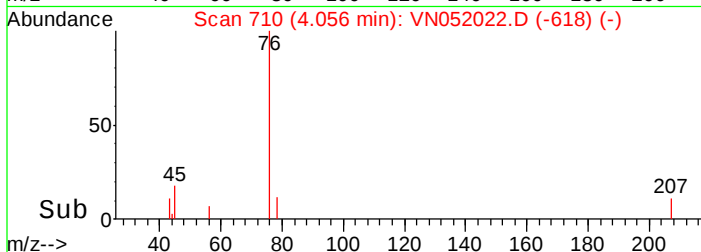
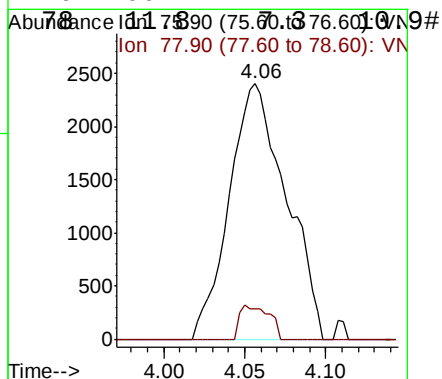
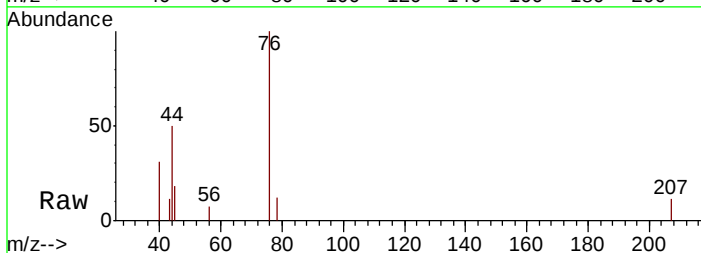
76 100

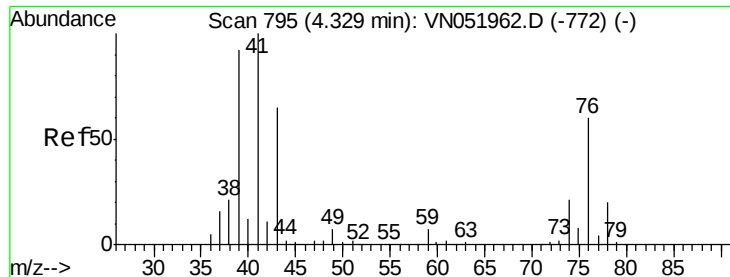
44 11.8 9.3 14.9

56 1.3 0.8 1.9

77 0.1 0.1 0.1

103 0.1 0.1 0.1

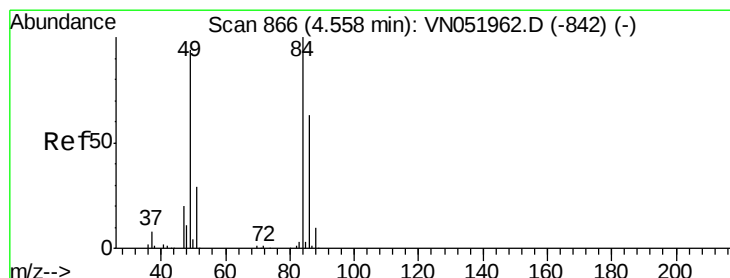
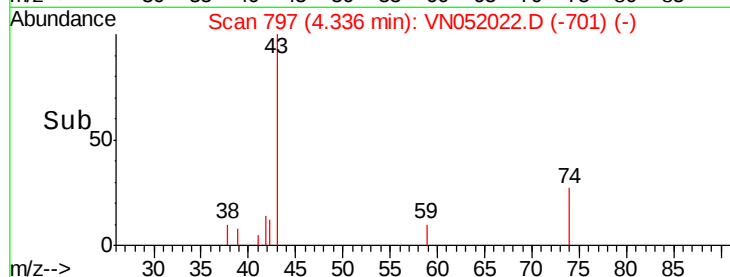
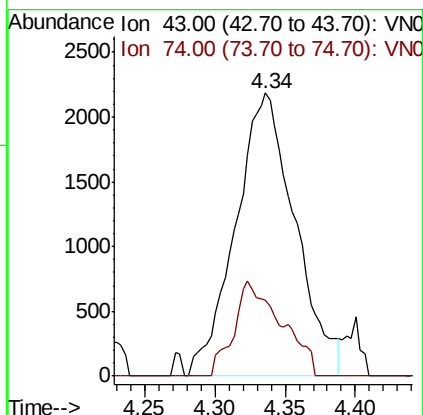
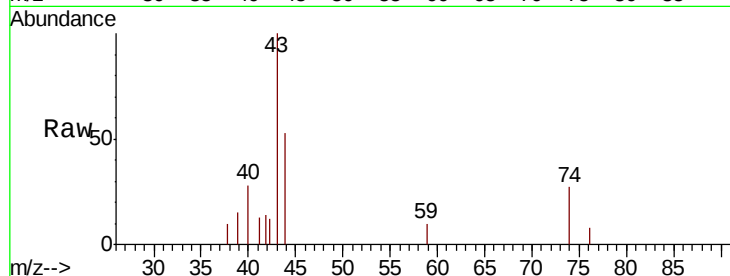




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

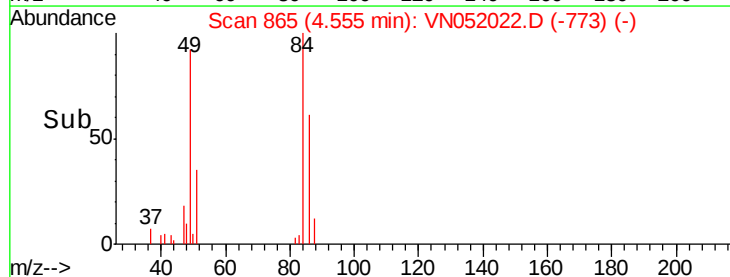
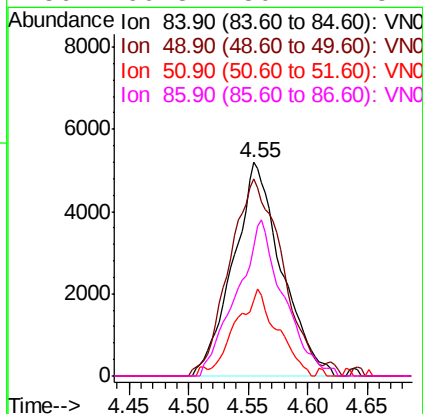
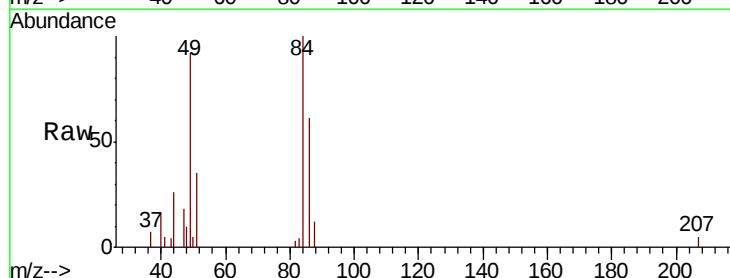
Instrument :
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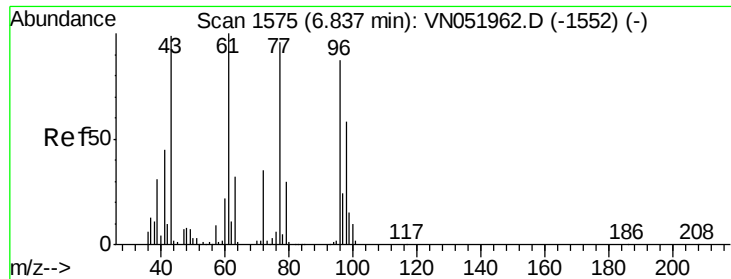
Tot Ion: 43 Resp: 6430
Ion Ratio Lower Upper
43 100
74 26.7 25.7 38.5



#20
Methylene Chloride
Concen: 1.437 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion: 84 Resp: 14591
Ion Ratio Lower Upper
84 100
49 92.1 75.4 113.0
51 35.3 23.1 34.7#
86 60.8 50.2 75.4





#25

2-Butanone

Concen: 0.816 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

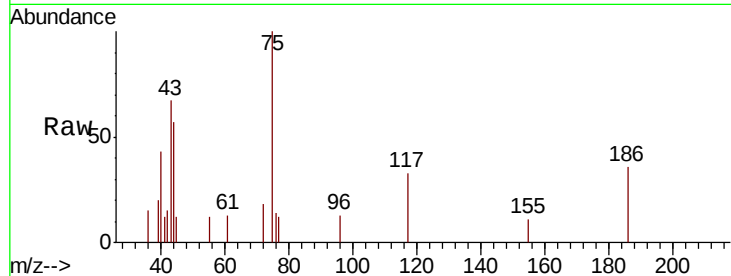
PB114195TB

Tot Ion: 43 Resp: 2014

Ion Ratio Lower Upper

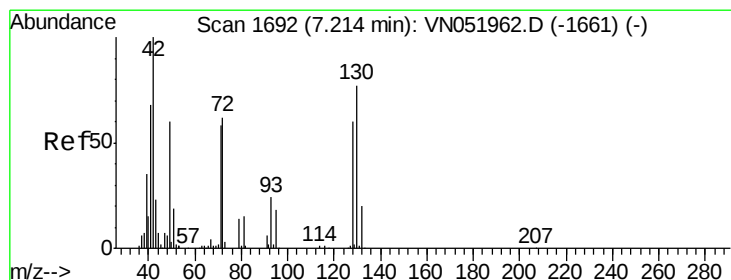
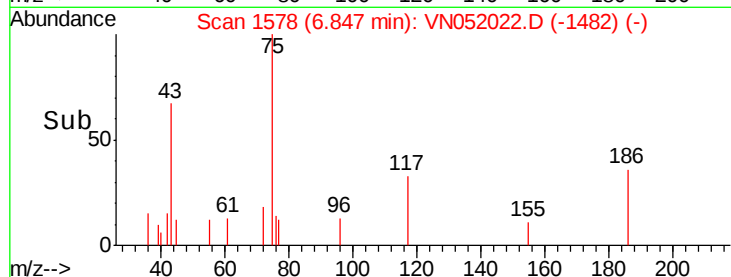
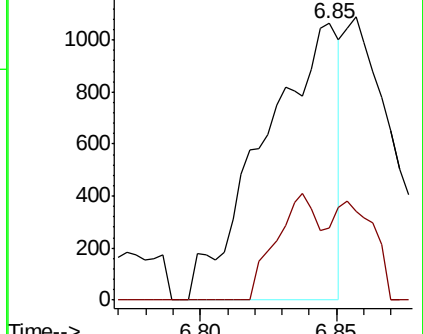
43 100

72 26.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.481 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

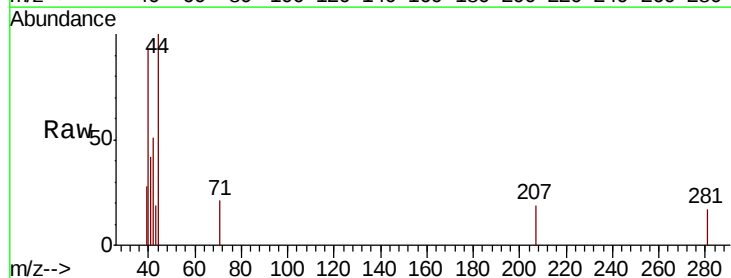
Tgt Ion: 42 Resp: 805

Ion Ratio Lower Upper

42 100

72 11.3 47.5 71.3#

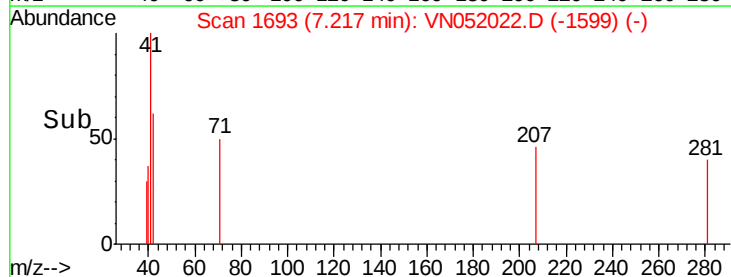
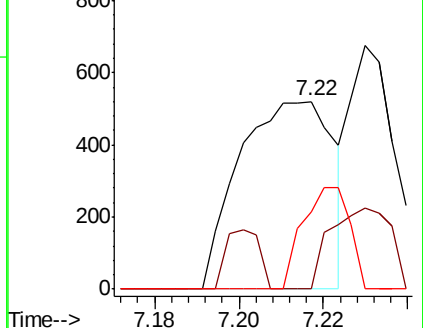
71 27.0 45.4 68.2#

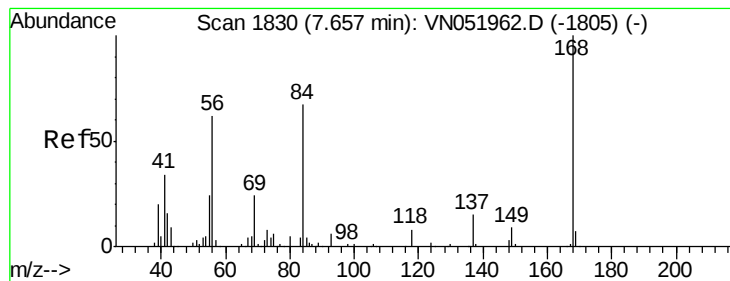


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

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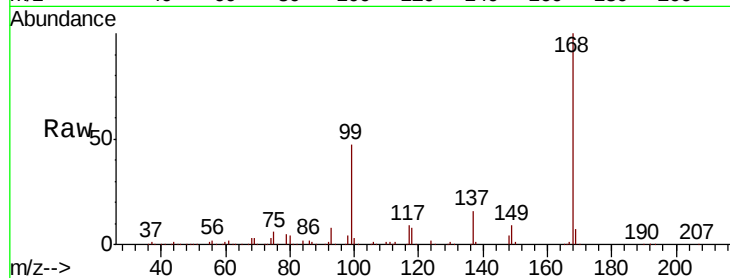
Tot Ion: 56 Resp: 18976

Ion Ratio Lower Upper

56 100

69 147.6 31.2 46.8#

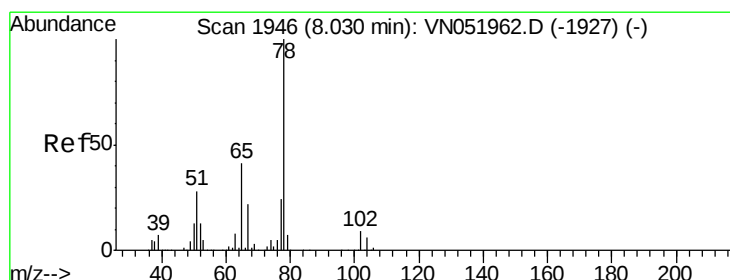
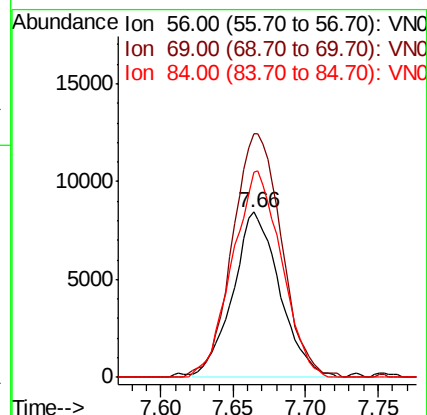
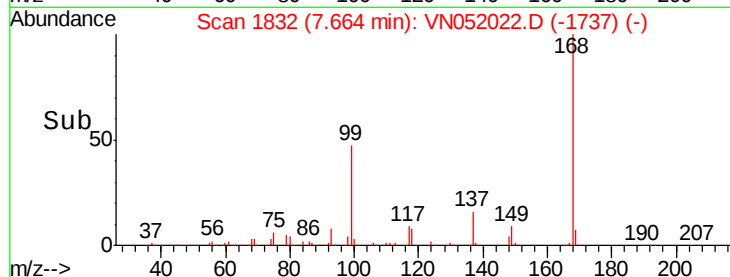
84 124.6 86.3 129.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052022.D

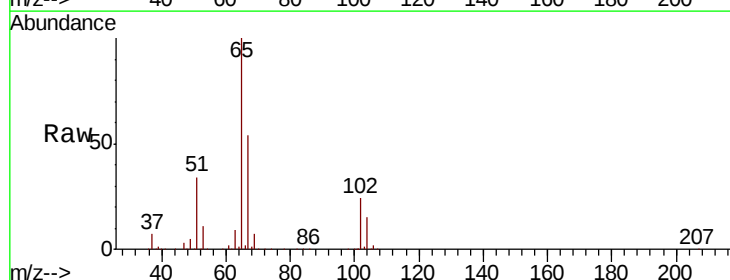
Acq: 26 Oct 2018 12:33

Tgt Ion: 65 Resp: 601947

Ion Ratio Lower Upper

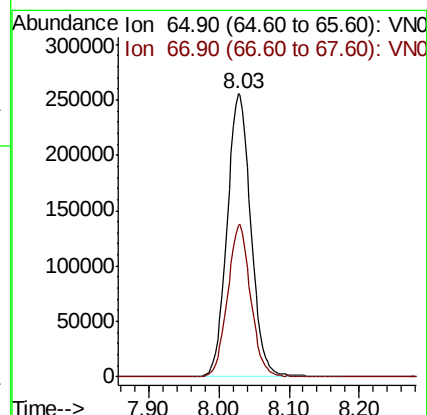
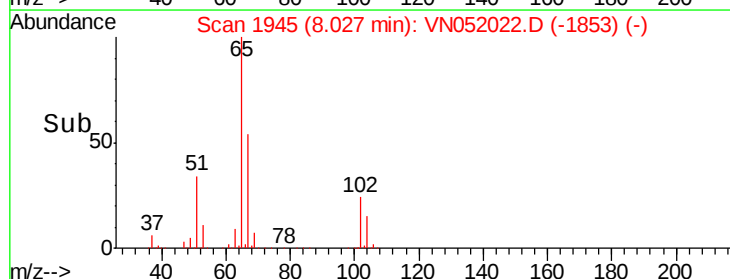
65 100

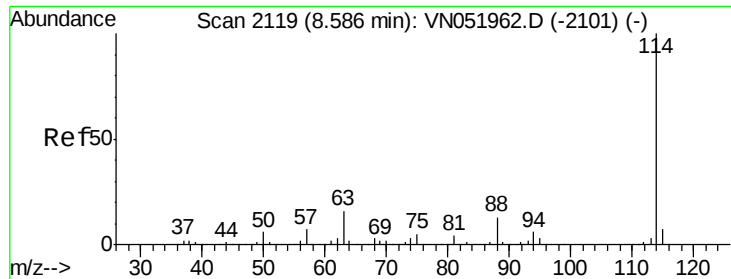
67 52.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

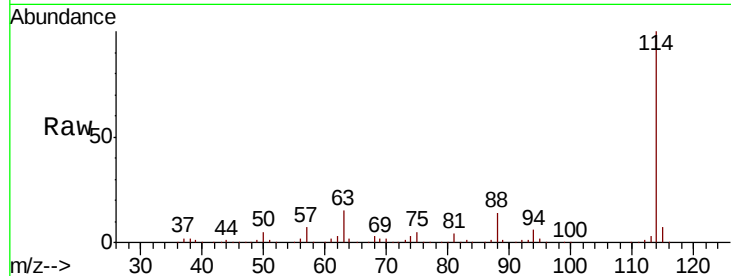




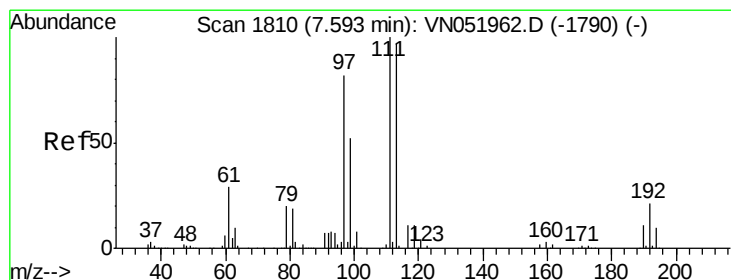
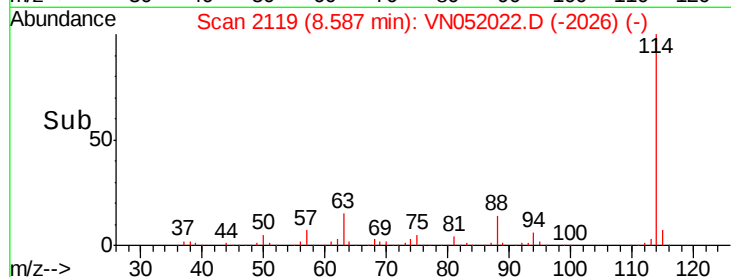
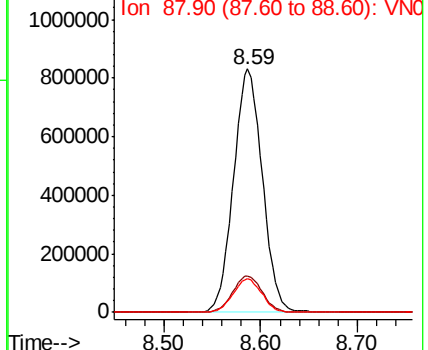
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
PB114195TB

Tot Ion:114 Resp: 1722307
Ion Ratio Lower Upper
114 100
63 15.0 0.0 31.2
88 13.8 0.0 27.0

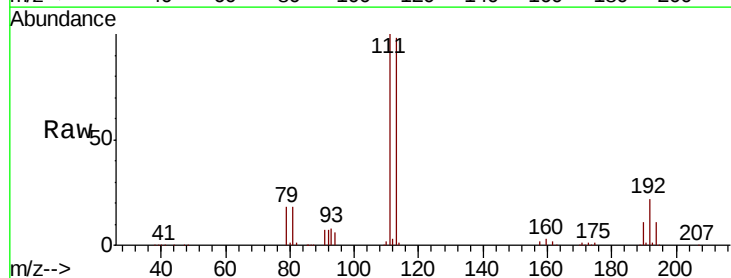


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

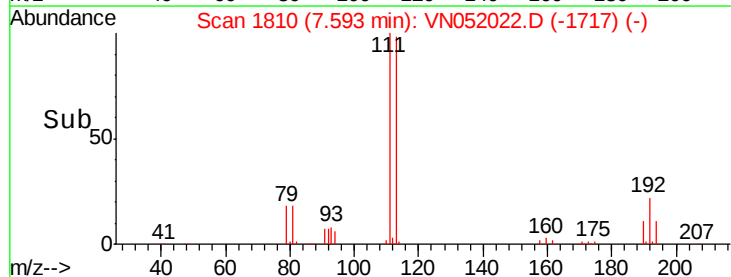
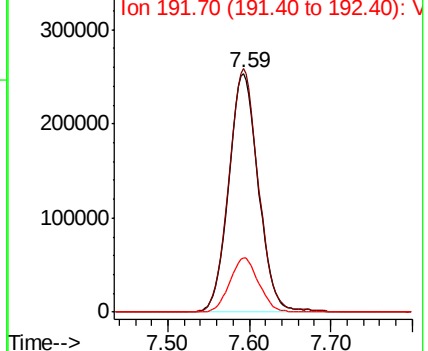


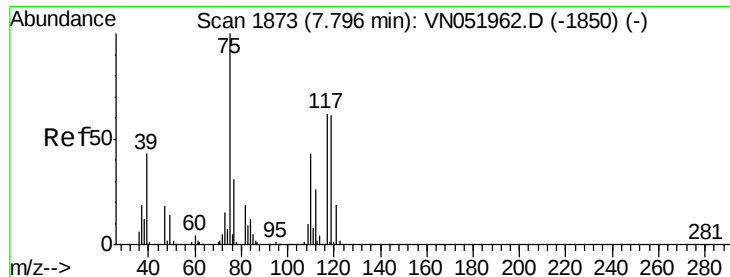
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion:113 Resp: 643698
Ion Ratio Lower Upper
113 100
111 101.8 80.7 121.1
192 22.2 17.2 25.8



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: 5.195 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB114195TB

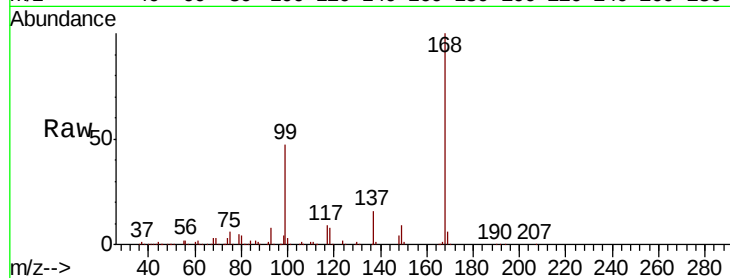
Tot Ion: 75 Resp: 68629

Ion Ratio Lower Upper

75 100

110 9.8 20.9 62.8#

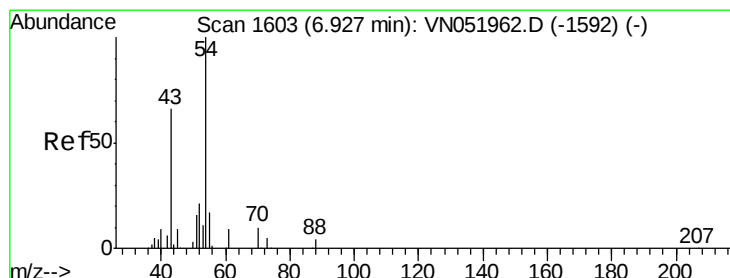
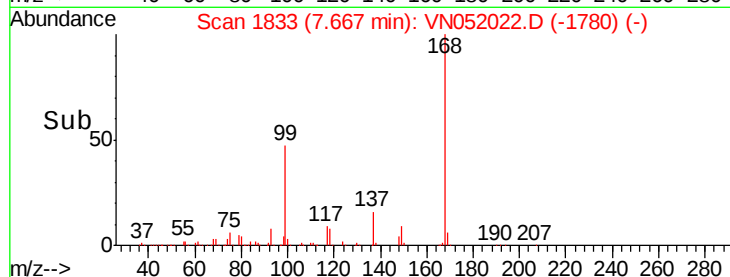
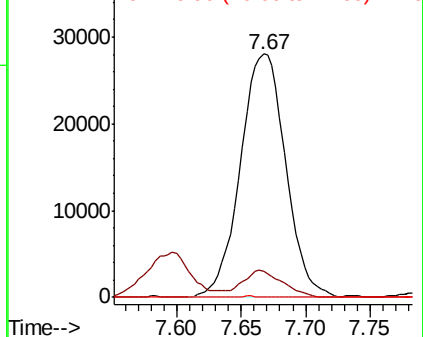
77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.92 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

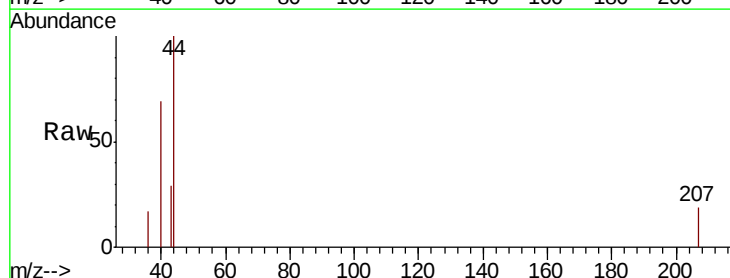
Tgt Ion: 43 Resp: 175

Ion Ratio Lower Upper

43 100

61 0.0 13.5 20.3#

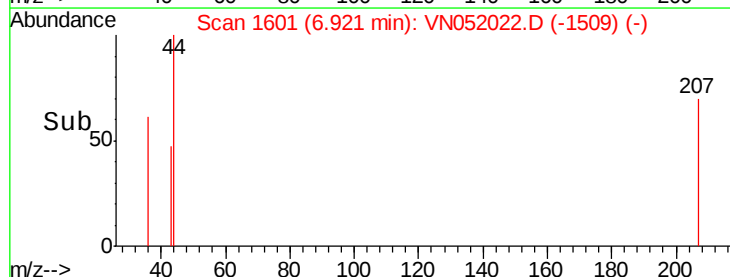
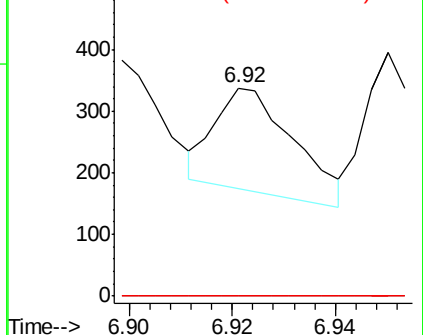
70 0.0 9.8 14.6#

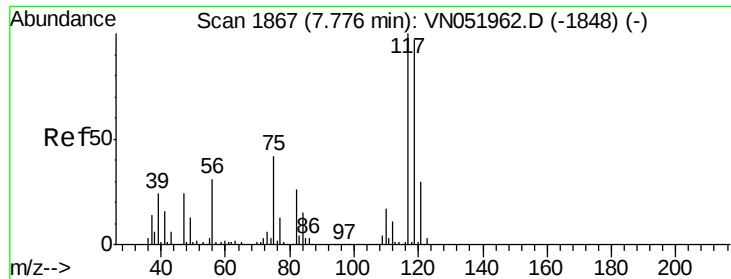


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

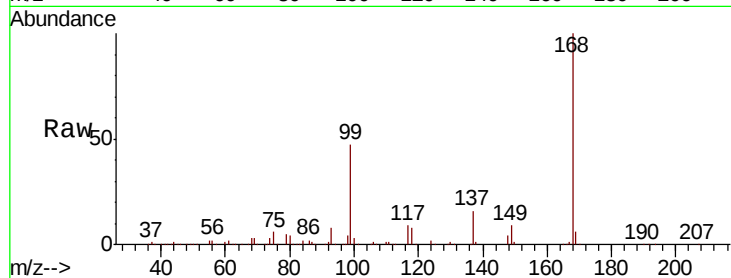




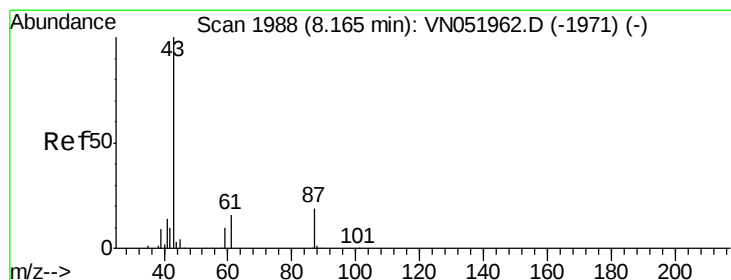
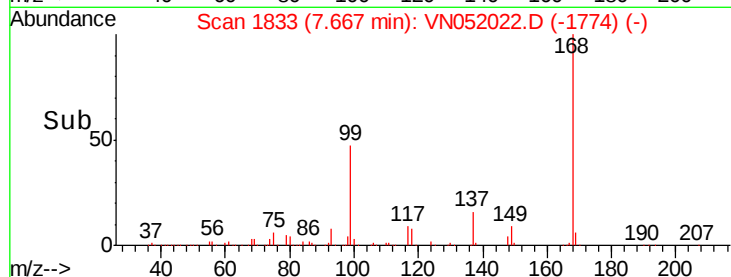
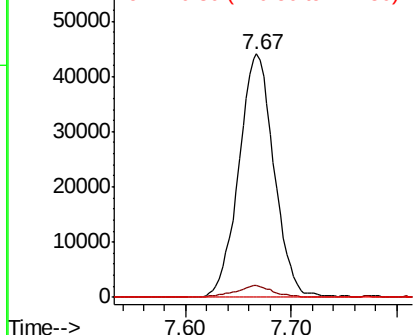
#38
Carbon Tetrachloride
Concen: 6.729 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
PB114195TB

Tot Ion:117 Resp: 102065
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 24.2 36.4#

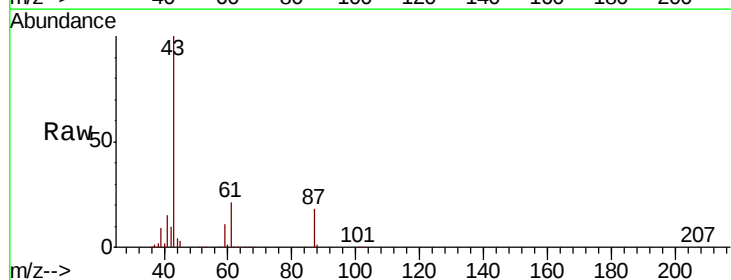


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

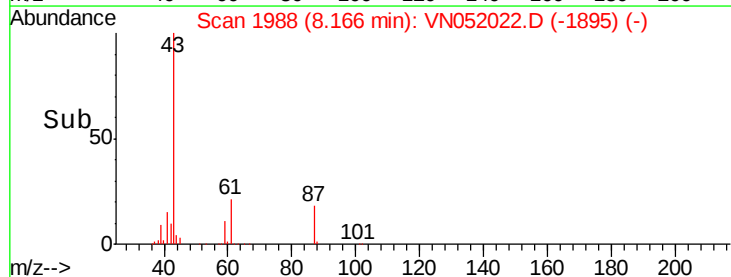
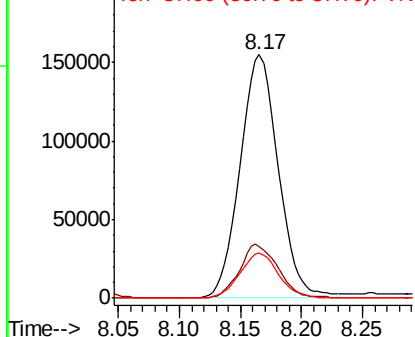


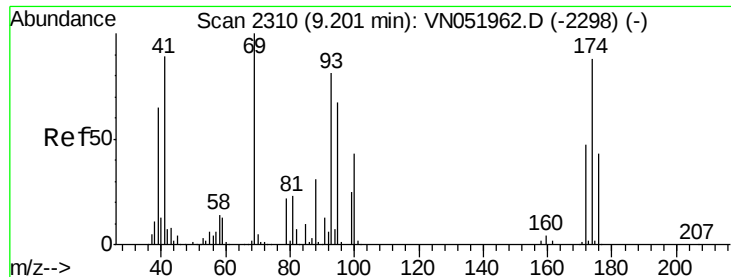
#43
Isopropyl Acetate
Concen: 30.400 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion: 43 Resp: 336361
Ion Ratio Lower Upper
43 100
61 22.2 17.2 25.8
87 18.8 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

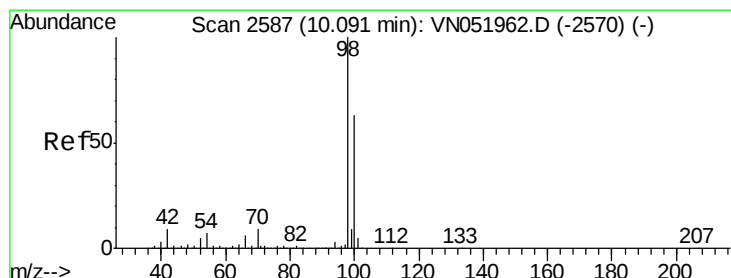
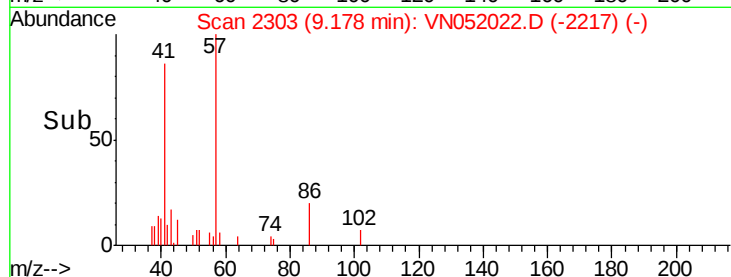
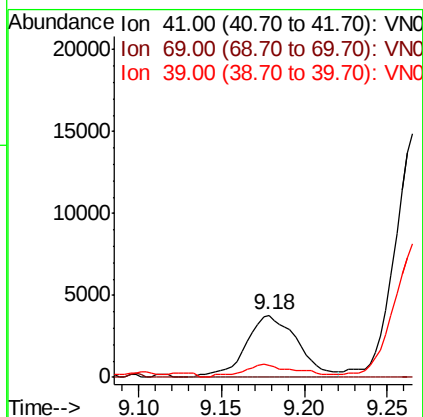
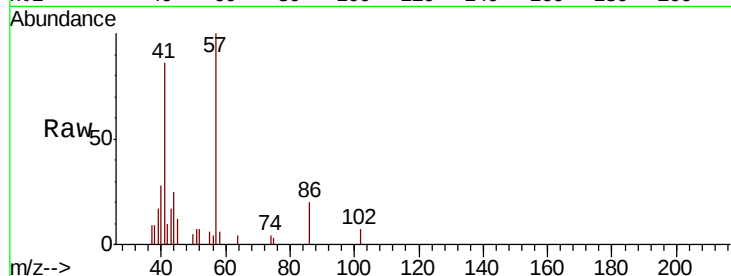




#48
Methvl methacrylate
Concen: 1.529 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

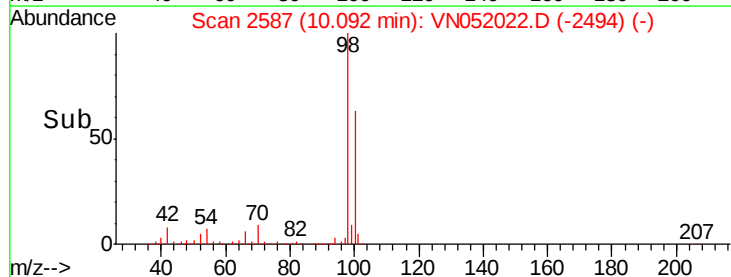
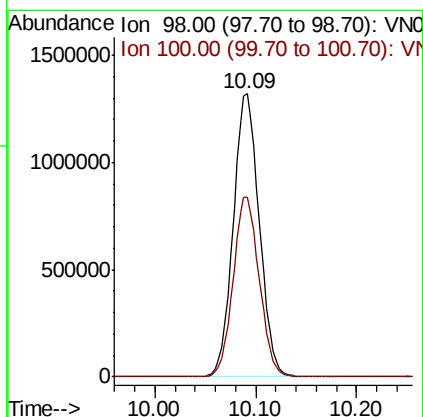
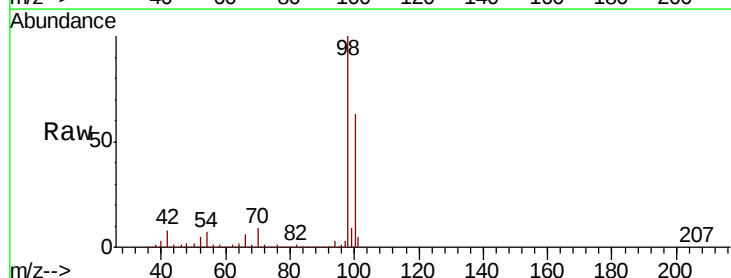
Instrument :
MSVOA_N
ClientSampleId :
PB114195TB

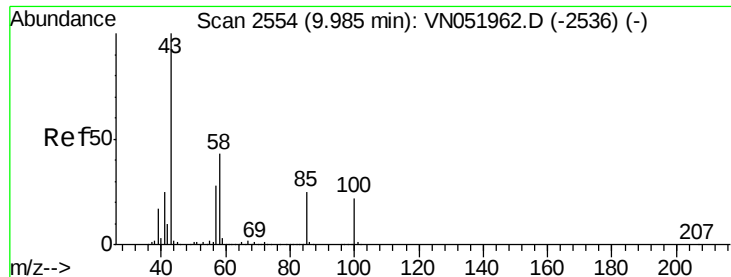
Tot Ion: 41 Resp: 8176
Ion Ratio Lower Upper
41 100
69 0.0 92.2 138.4#
39 23.0 60.2 90.4#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion: 98 Resp: 2363737
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

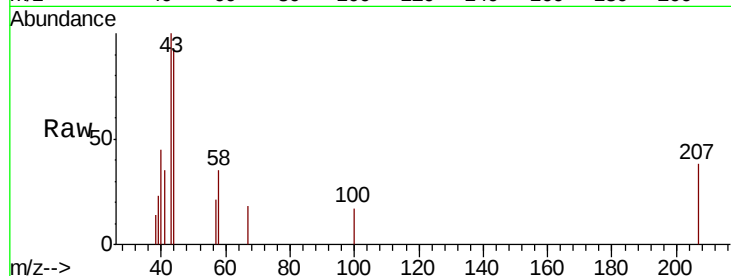




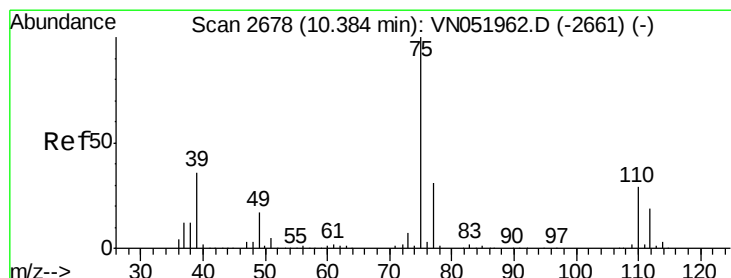
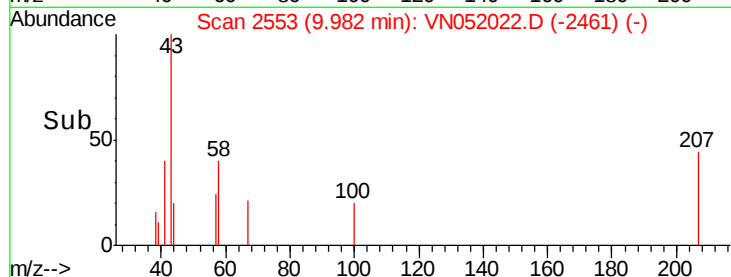
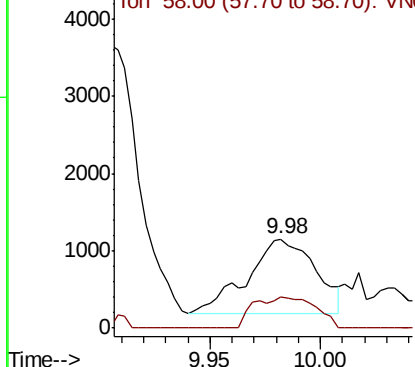
#51
4-Methyl-2-Pentanone
Concen: 0.344 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Instrument :
MSVOA_N
ClientSampled :
PB114195TB

Tot Ion: 43 Resp: 2095
Ion Ratio Lower Upper
43 100
58 0.0 34.8 52.2#

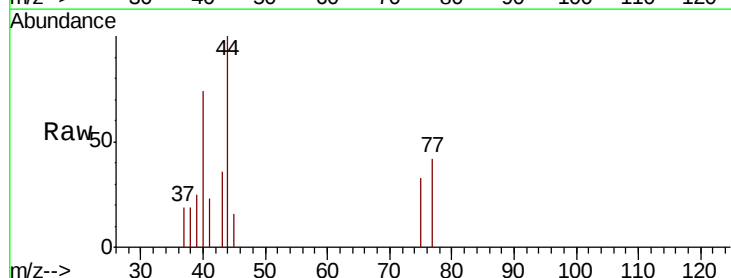


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

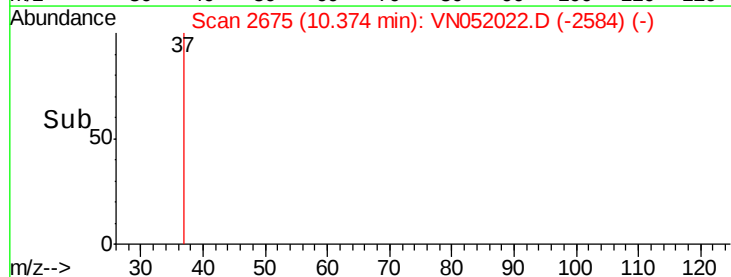
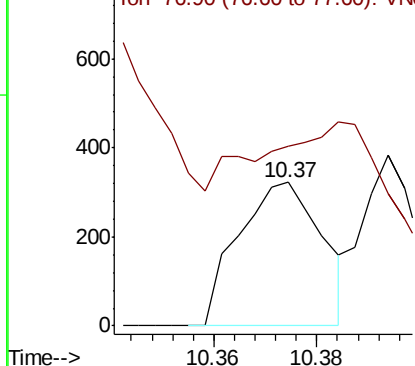


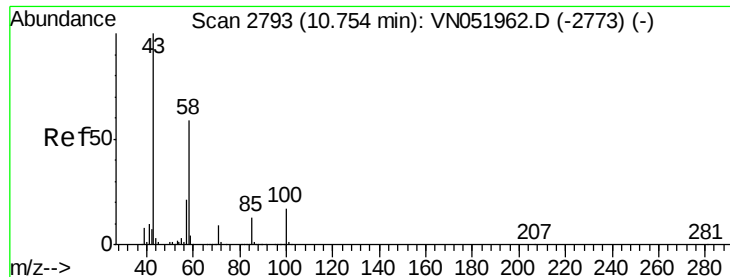
#53
t-1,3-Dichloropropene
Concen: 1.270 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.01 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion: 75 Resp: 361
Ion Ratio Lower Upper
75 100
77 18.9 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0

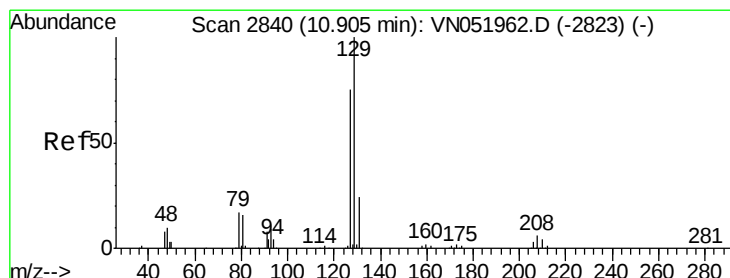
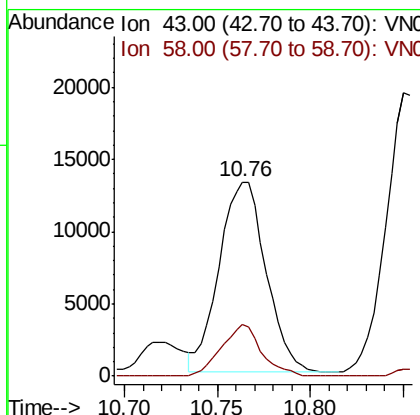
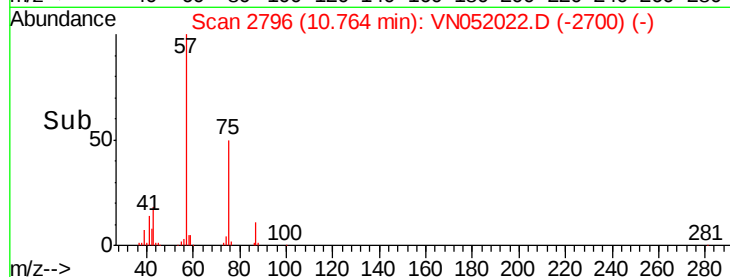
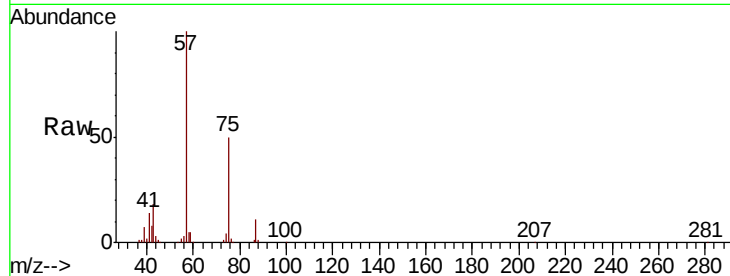




#59
2-Hexanone
Concen: 5.623 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

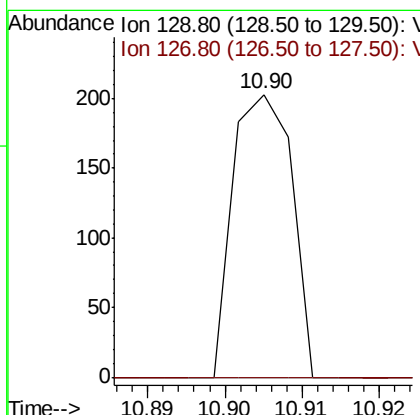
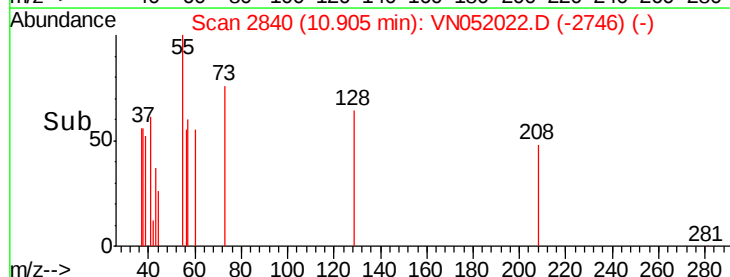
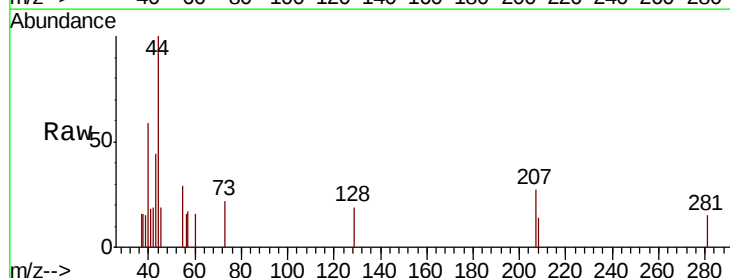
Instrument :
MSVOA_N
ClientSampleId :
PB114195TB

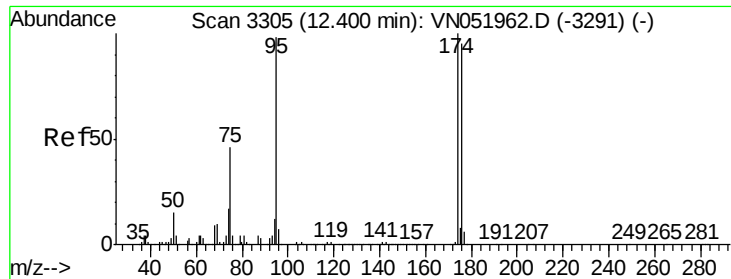
Tot Ion: 43 Resp: 22994
Ion Ratio Lower Upper
43 100
58 23.3 29.9 89.8#



#60
Dibromochloromethane
Concen: 1.986 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion: 129 Resp: 108
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#

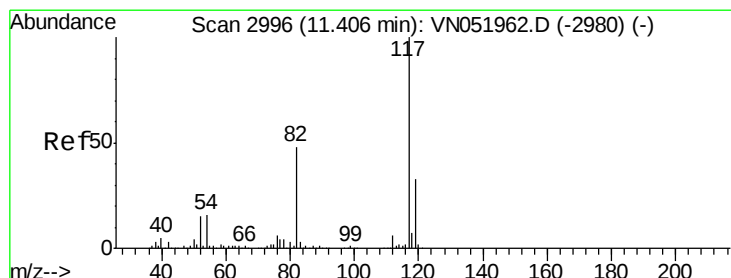
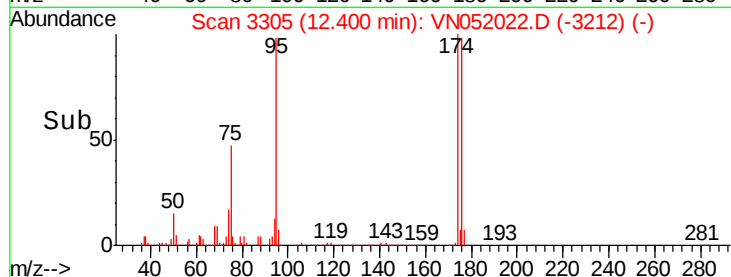
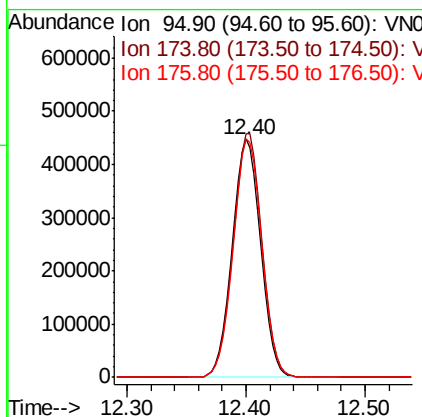
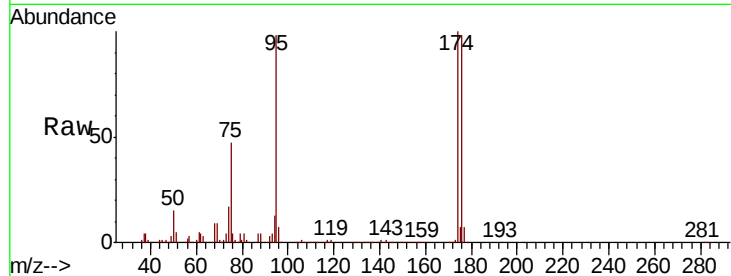




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

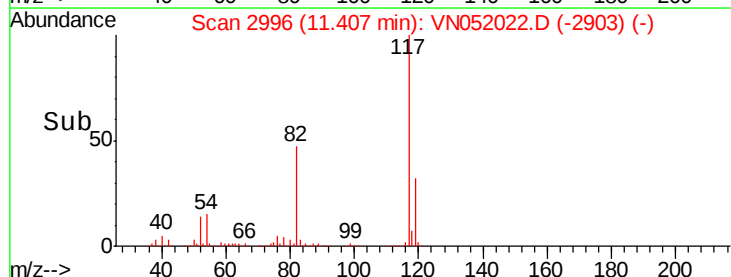
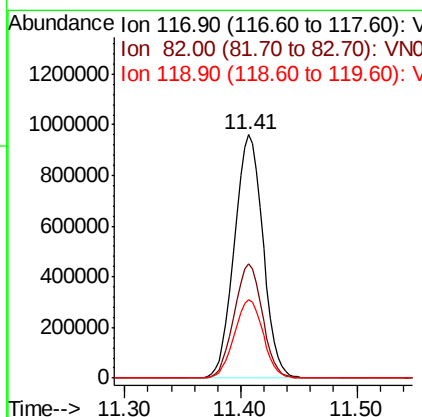
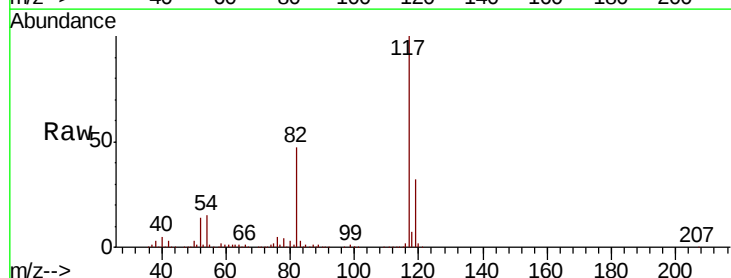
Instrument :
MSVOA_N
ClientSampleId :
PB114195TB

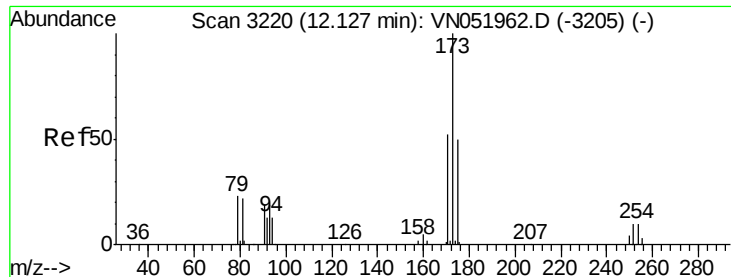
Tot Ion: 95 Resp: 740212
Ion Ratio Lower Upper
95 100
174 103.4 0.0 206.0
176 100.5 0.0 198.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052022.D
Acq: 26 Oct 2018 12:33

Tgt Ion: 117 Resp: 1636496
Ion Ratio Lower Upper
117 100
82 46.9 38.1 57.1
119 32.3 26.4 39.6





#71

Bromoform

Concen: 4.394 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB114195TB

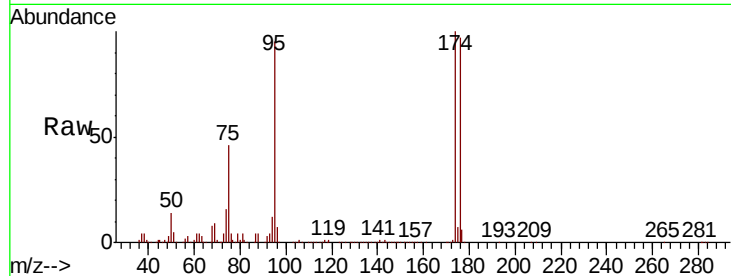
Tot Ion:173 Resp: 6652

Ion Ratio Lower Upper

173 100

175 759.0 24.6 74.0#

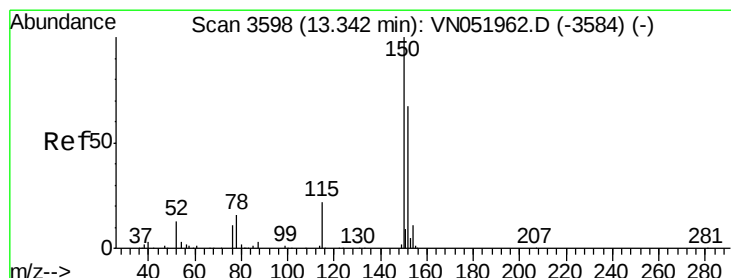
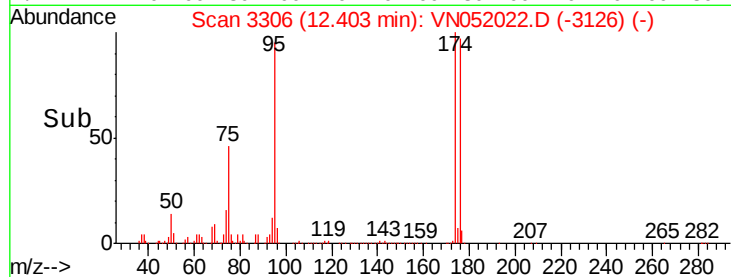
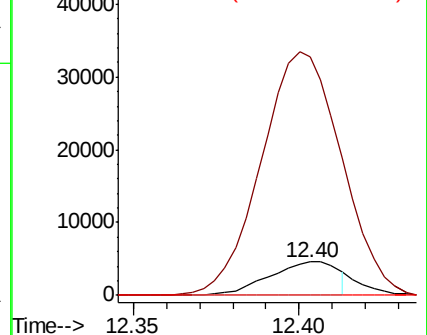
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

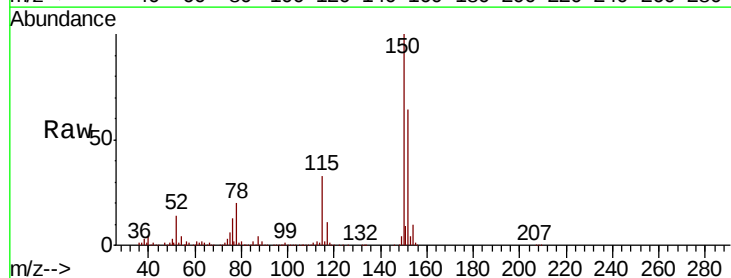
Tgt Ion:152 Resp: 744140

Ion Ratio Lower Upper

152 100

115 52.5 25.8 77.3

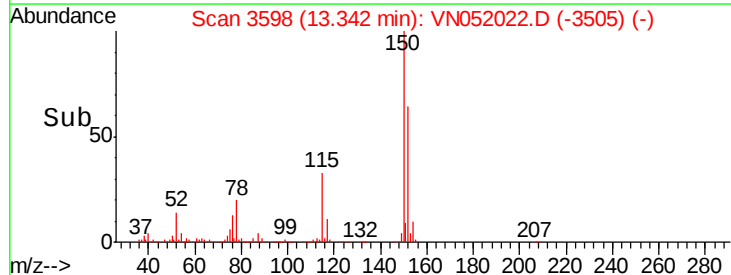
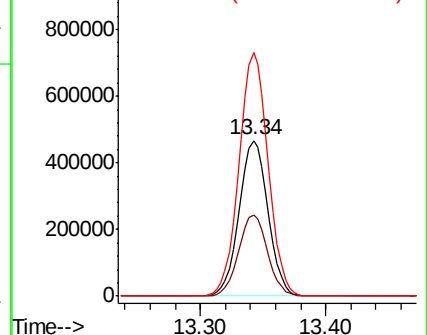
150 157.1 0.0 344.4

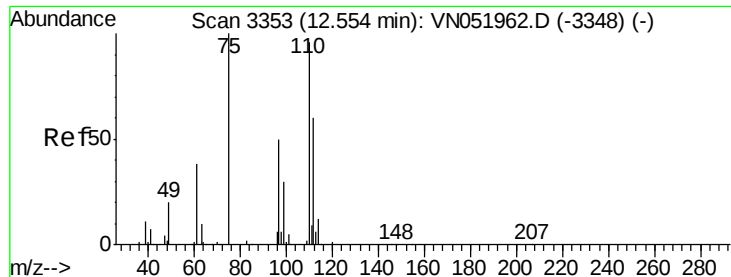


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 46.119 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

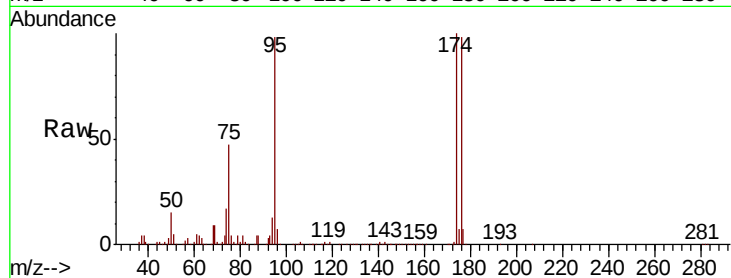
PB114195TB

Tot Ion: 75 Resp: 354500

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

250000

200000

150000

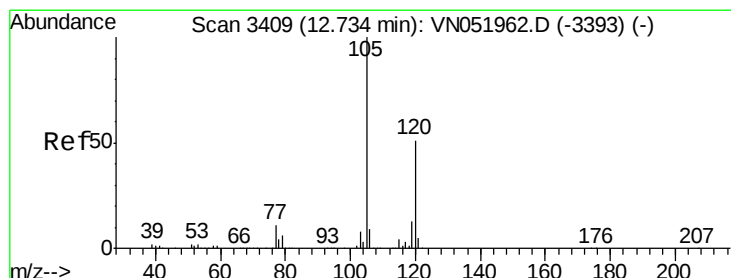
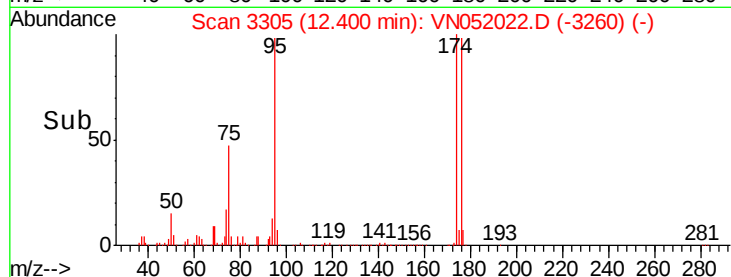
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.220 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052022.D

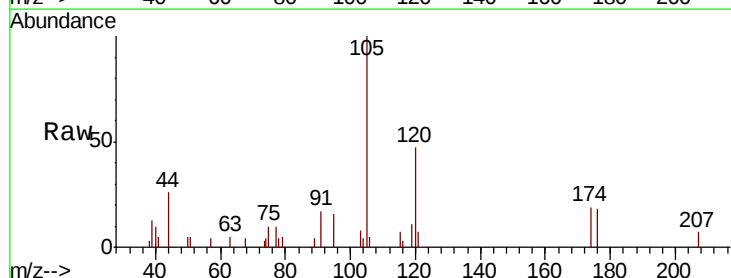
Acq: 26 Oct 2018 12:33

Tgt Ion: 105 Resp: 8346

Ion Ratio Lower Upper

105 100

120 47.7 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VN051962.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051962.D (-3393) (-)

6000

5000

4000

3000

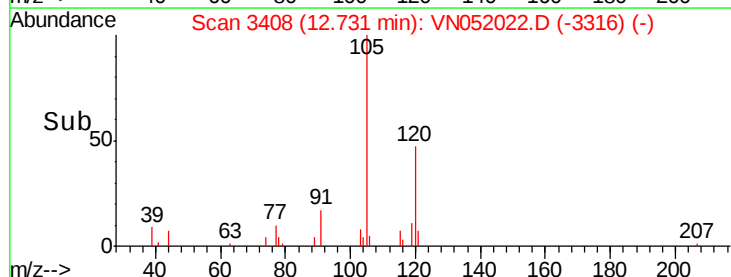
2000

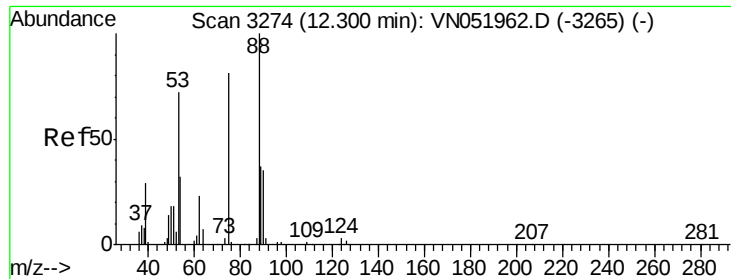
1000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 145.109 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB114195TB

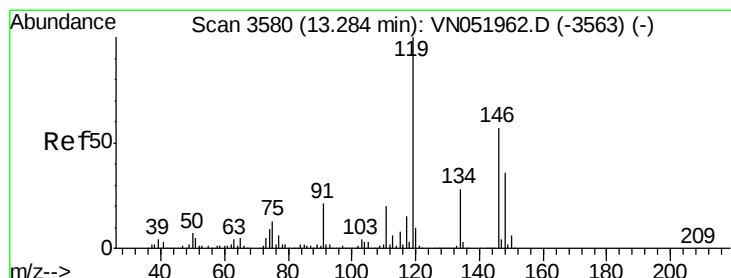
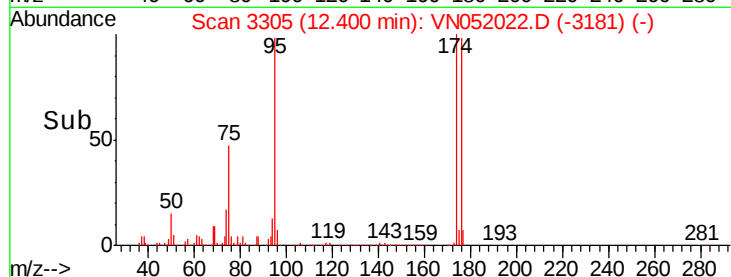
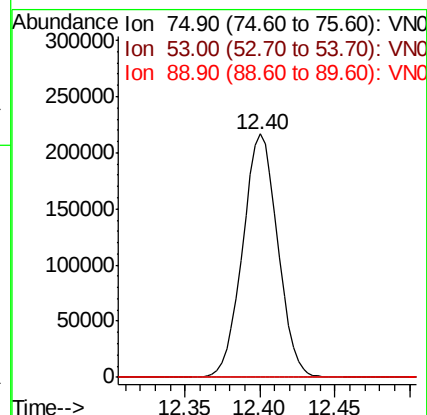
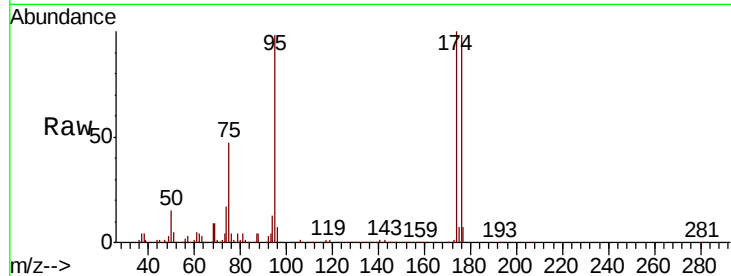
Tot Ion: 75 Resp: 354500

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#



#87

1,3-Dichlorobenzene

Concen: 0.218 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

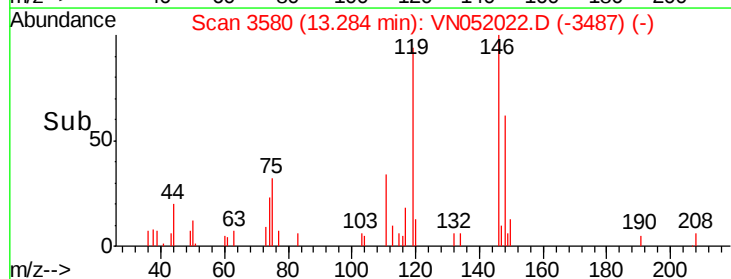
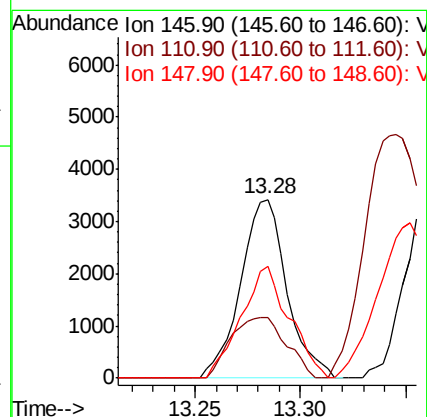
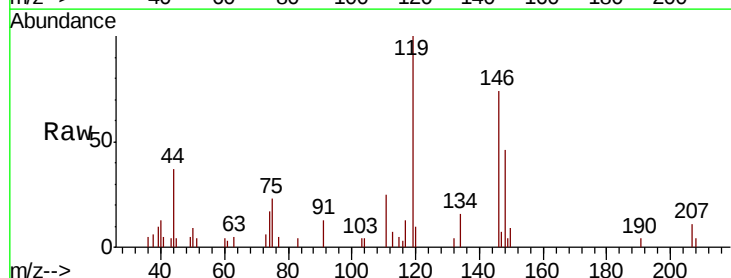
Tgt Ion: 146 Resp: 5228

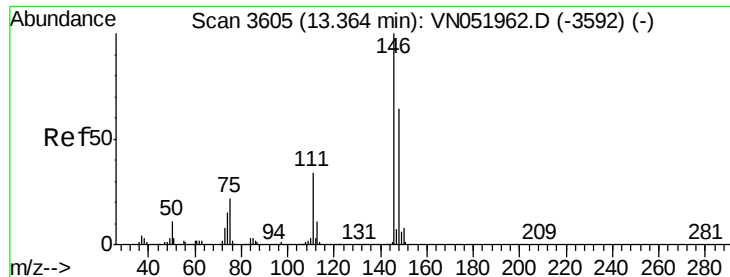
Ion Ratio Lower Upper

146 100

111 40.7 17.6 52.8

148 64.9 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 0.221 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB114195TB

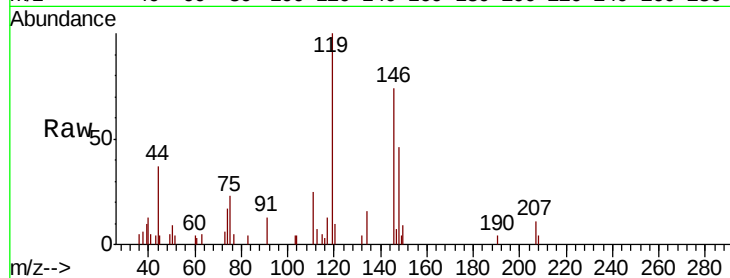
Tot Ion:146 Resp: 5228

Ion Ratio Lower Upper

146 100

111 40.7 17.3 51.7

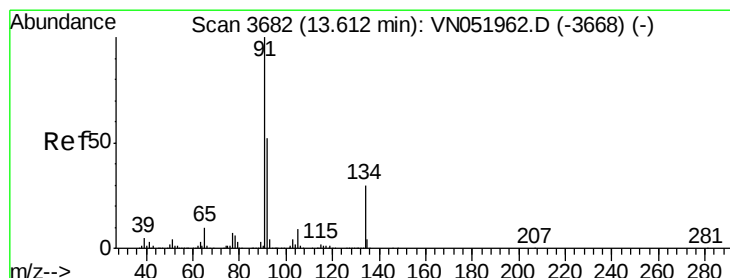
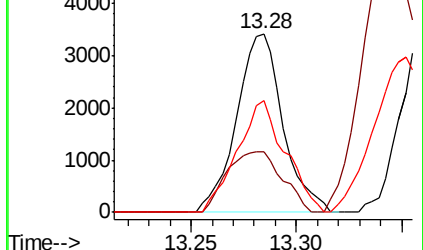
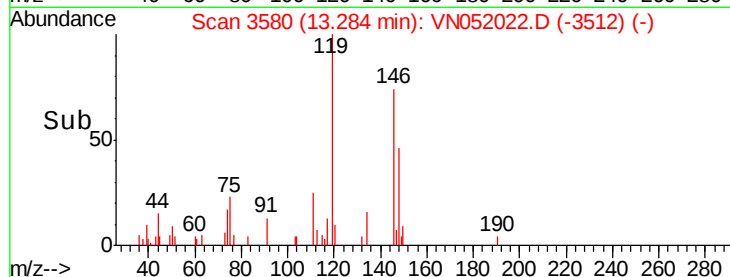
148 64.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.251 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

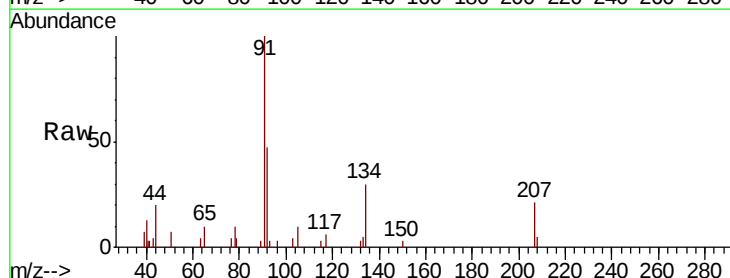
Tgt Ion: 91 Resp: 8413

Ion Ratio Lower Upper

91 100

92 44.5 25.9 77.8

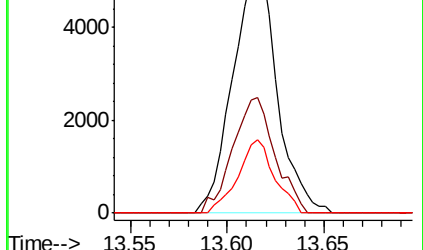
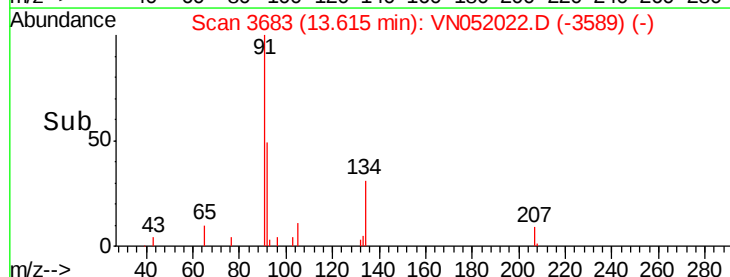
134 24.6 15.2 45.6

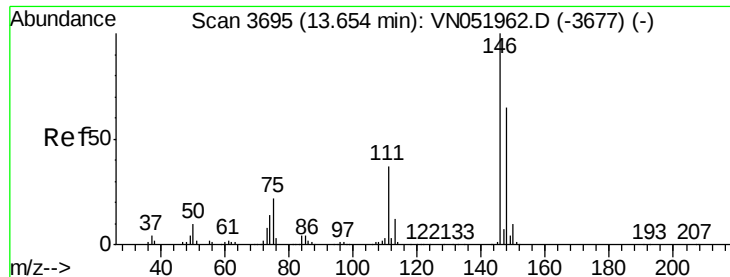


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.236 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB114195TB

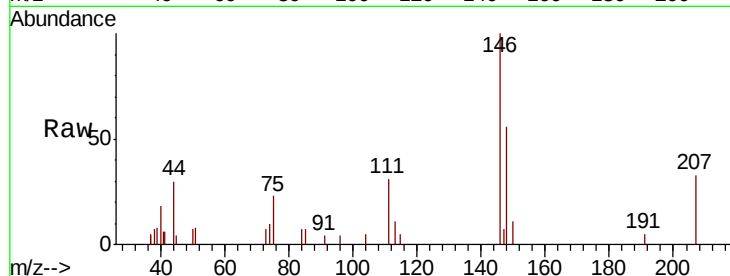
Tot Ion:146 Resp: 5482

Ion Ratio Lower Upper

146 100

111 38.1 18.3 54.9

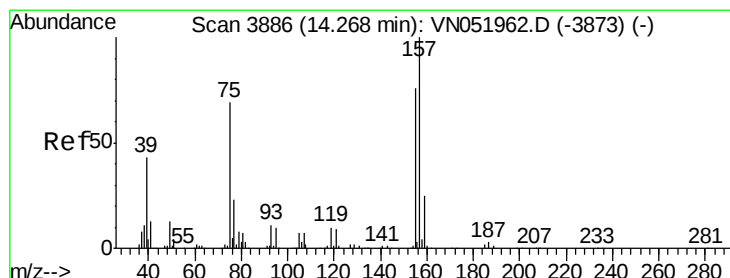
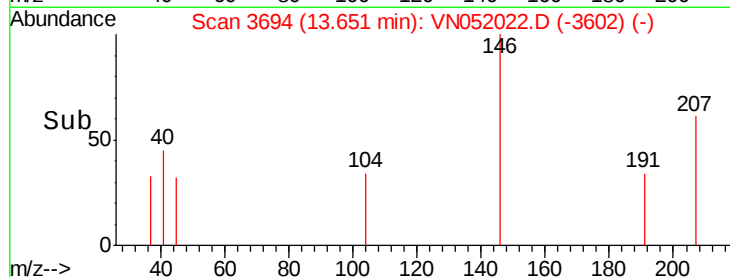
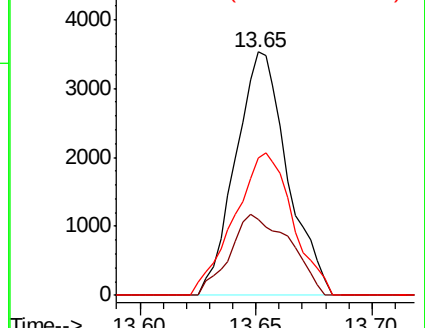
148 65.9 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.488 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

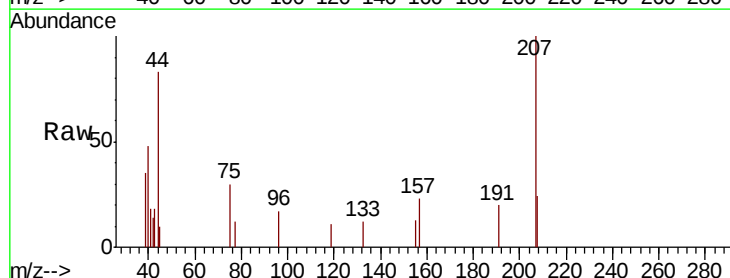
Tgt Ion: 75 Resp: 730

Ion Ratio Lower Upper

75 100

155 97.8 56.0 167.9

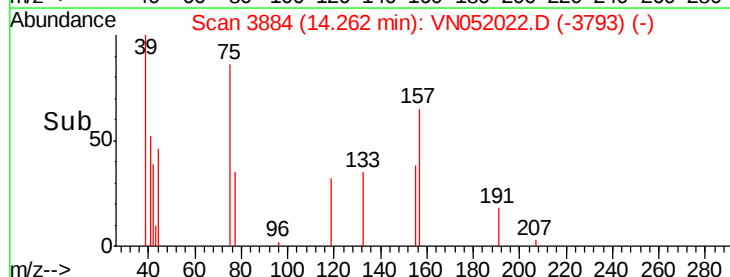
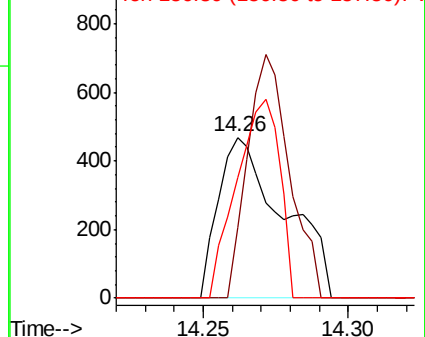
157 82.2 73.9 221.6

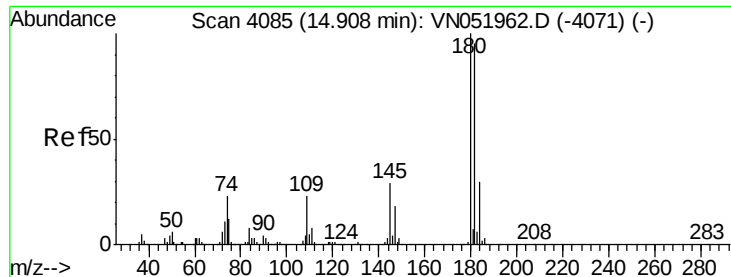


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

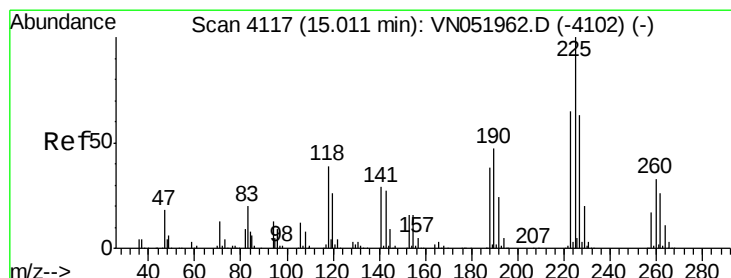
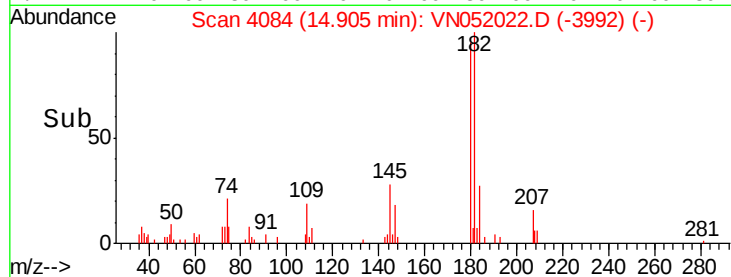
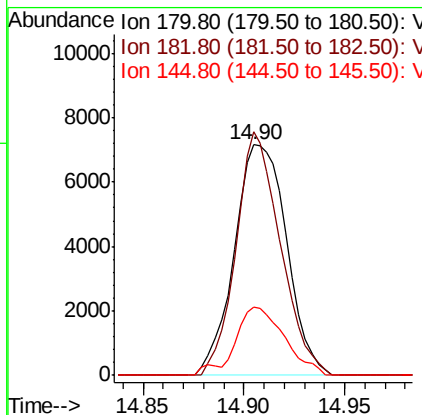
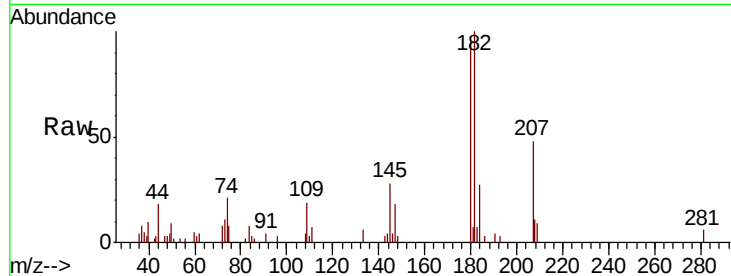




#93
 1,2,4-Trichlorobenzene
 Concen: 0.944 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN052022.D
 Acq: 26 Oct 2018 12:33

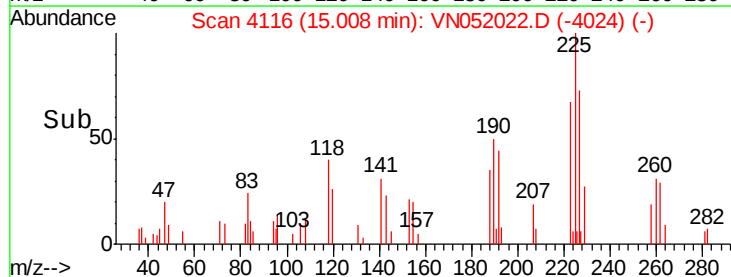
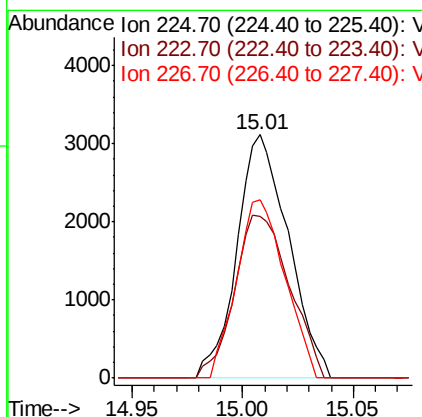
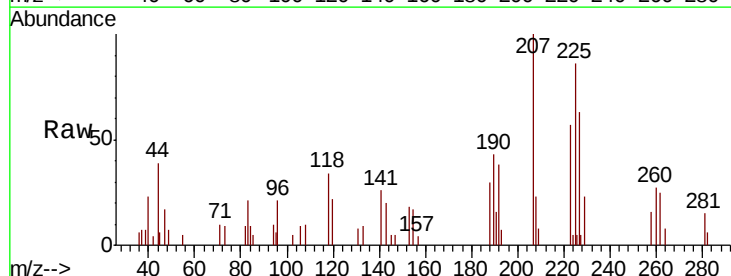
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195TB

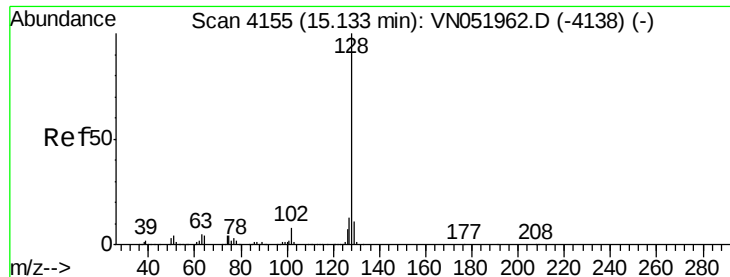
Tot Ion	Ratio	Lower	Upper
180	100		
182	89.9	47.8	143.4
145	27.9	14.5	43.5



#94
 Hexachlorobutadiene
 Concen: 0.717 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052022.D
 Acq: 26 Oct 2018 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.6	31.8	95.4
227	68.7	31.4	94.2





#95

Naphthalene

Concen: 0.795 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB114195TB

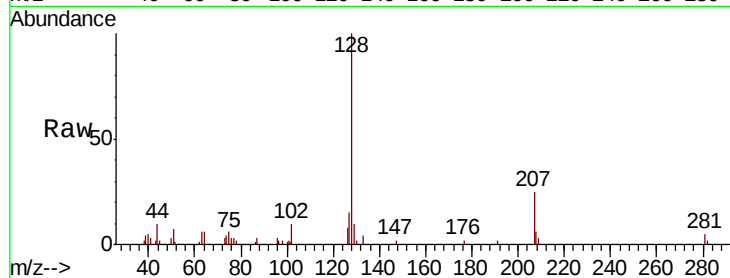
Tot Ion:128 Resp: 23697

Ion Ratio Lower Upper

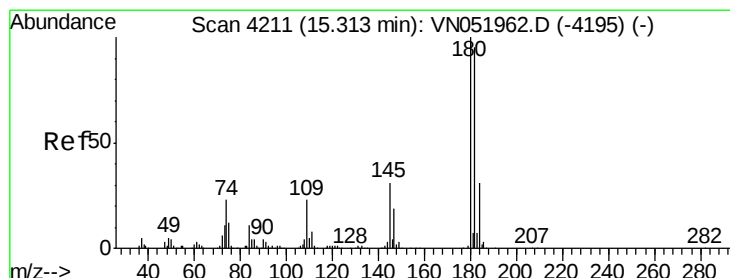
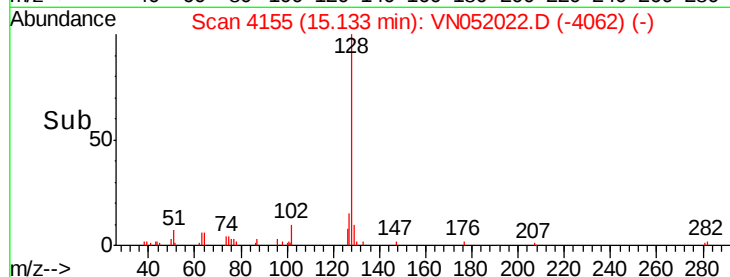
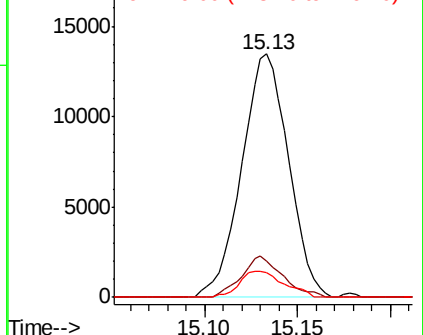
128 100

127 14.9 10.3 15.5

129 10.1 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: 0.932 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052022.D

Acq: 26 Oct 2018 12:33

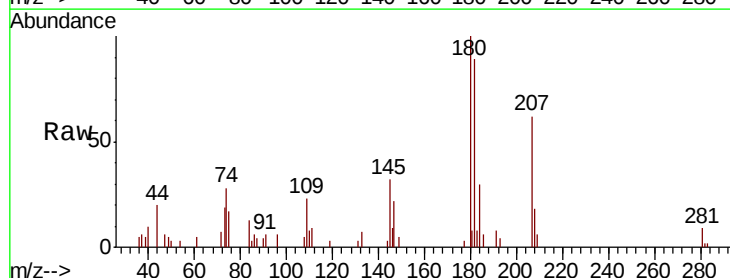
Tgt Ion:180 Resp: 12232

Ion Ratio Lower Upper

180 100

182 100.9 47.9 143.6

145 31.3 15.4 46.2



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

