

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
 Data File : VN053102.D
 Acq On : 21 Dec 2018 15:18
 Operator : MD\SY
 Sample : J6377-03ME
 Misc : 2.80µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

Quant Time: Dec 22 01:17:17 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	7.66	168	1140258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1720251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1567997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	743792	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	548664	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	7.59	113	443568	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
50) Toluene-d8	10.09	98	2118005	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.40	95	744319	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	3741	0.237	ug/l #	91
13) Acrolein	3.61	56	675	1.054	ug/l	86
14) Allyl chloride	4.58	41	637668	37.879	ug/l #	57
15) Acrylonitrile	5.05	53	66469	16.946	ug/l #	41
16) Acetone	3.81	43	2031	0.895	ug/l	90
18) Methyl Acetate	4.58	43	1632901	156.419	ug/l #	51
20) Methylene Chloride	4.54	84	4299	0.347	ug/l #	6
25) 2-Butanone	6.62	43	345142	90.645	ug/l #	49
26) 2,2-Dichloropropane	6.63	77	26335	1.616	ug/l #	51
29) Tetrahydrofuran	7.21	42	1759	0.619	ug/l #	86
31) Cyclohexane	7.65	56	650273	32.095	ug/l	99
36) 1,1-Dichloropropene	7.66	75	75169	4.553	ug/l #	57
37) Ethyl Acetate	6.82	43	5047	0.548	ug/l #	79
38) Carbon Tetrachloride	7.66	117	98798	6.528	ug/l #	15
39) Methylcyclohexane	9.08	83	1107203	55.200	ug/l	97
40) Benzene	8.04	78	14638	0.298	ug/l	97
43) Isopropyl Acetate	8.15	43	62831	2.531	ug/l #	53
45) 1,2-Dichloropropane	9.08	63	8233	0.644	ug/l #	1
47) Bromodichloromethane	9.27	83	3379	0.213	ug/l #	25
48) Methyl methacrylate	9.27	41	19957	2.231	ug/l #	45
51) 4-Methyl-2-Pentanone	10.09	43	15019	1.683	ug/l #	1
52) Toluene	10.16	92	16015	0.526	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	48995	4.613	ug/l #	19
56) Ethyl methacrylate	10.43	69	14222	1.012	ug/l #	19
59) 2-Hexanone	10.72	43	38461	6.368	ug/l #	29
65) Chlorobenzene	11.44	112	763670	21.971	ug/l	99
71) Bromoform	12.41	173	5045	0.578	ug/l #	1
73) Isopropylbenzene	12.25	105	193046	3.317	ug/l	99
74) N-amyl acetate	12.05	43	21523	1.332	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	392810	31.372	ug/l #	100
78) n-propylbenzene	12.59	91	368183	5.555	ug/l	99
79) 2-Chlorotoluene	12.66	91	137188	3.339	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	587188	12.379	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	392810	101.116	ug/l #	15

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

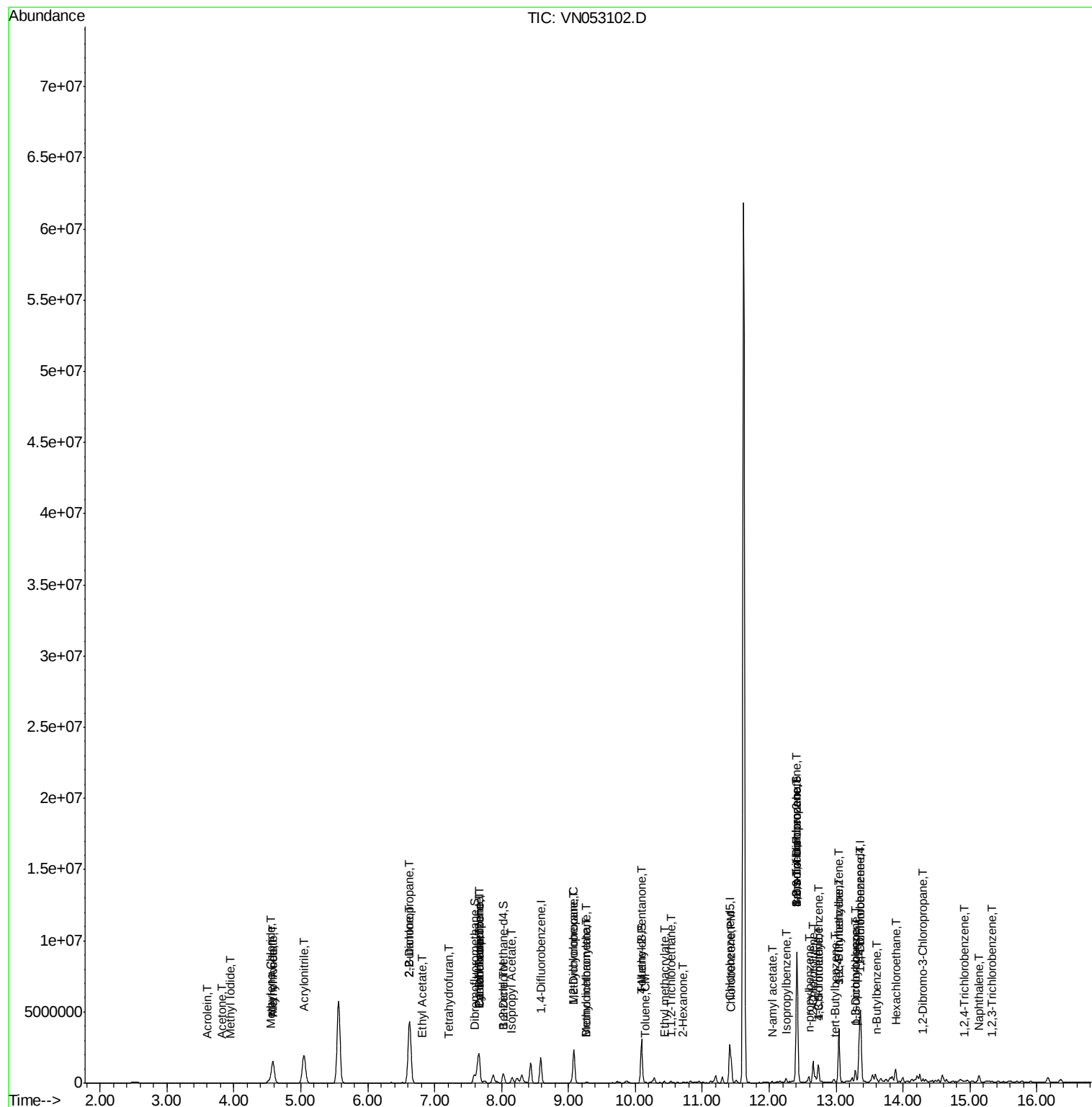
82) 4-Chlorotoluene	12.73	91	49381	1.228	ug/l #	42
83) tert-Butylbenzene	12.99	119	10475	0.250	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.04	105	2172823	45.566	ug/l	99
85) sec-Butylbenzene	13.04	105	2172823	38.292	ug/l #	56
86) p-Isopropyltoluene	13.29	119	280854	5.728	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	138448	5.171	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1710473	63.086	ug/l	100
89) n-Butylbenzene	13.62	91	78802	1.868	ug/l #	73
90) Hexachloroethane	13.89	117	28154	3.742	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.30	75	709	0.359	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	10498	1.373	ug/l #	27
94) Hexachlorobutadiene	15.01	225	2090	Below Cal		87
95) Naphthalene	15.14	128	411676	14.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	9769	1.312	ug/l #	11

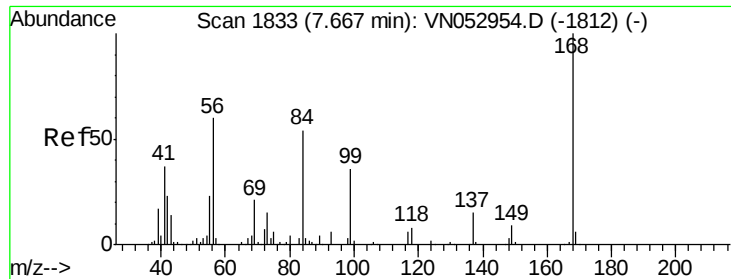
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

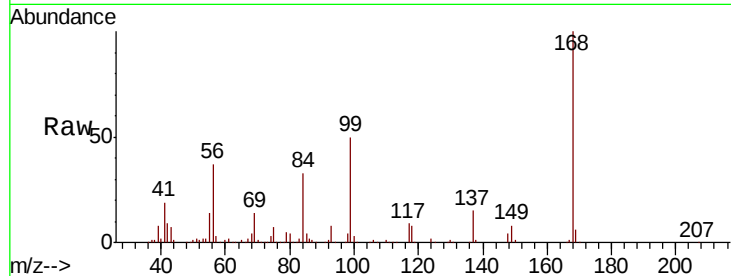
P001-SD014-0006-01ME

Tot Ion:168 Resp: 1140258

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

500000

400000

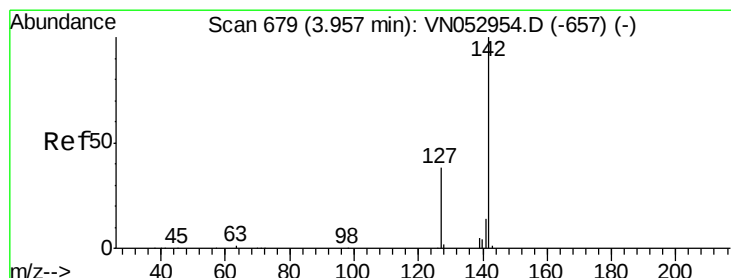
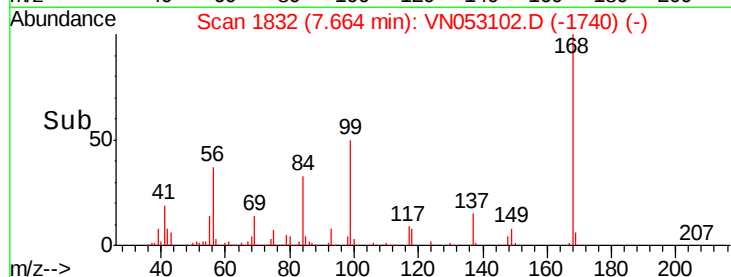
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 0.237 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

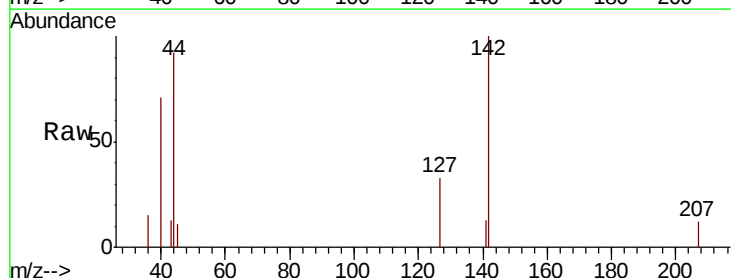
Tgt Ion:142 Resp: 3741

Ion Ratio Lower Upper

142 100

127 35.4 31.0 46.6

141 6.4 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

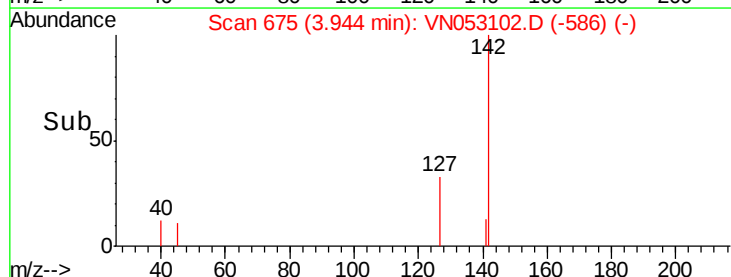
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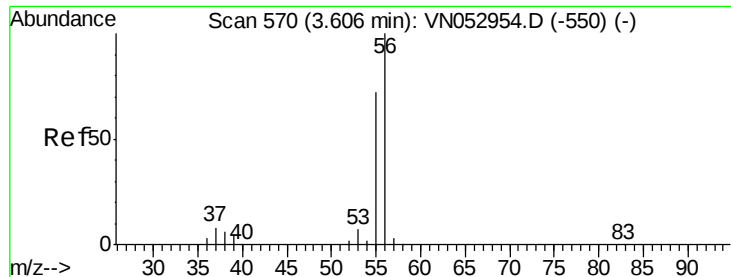
1000

500

0

Time-->

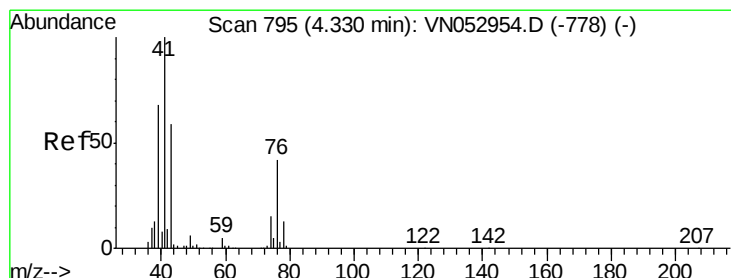
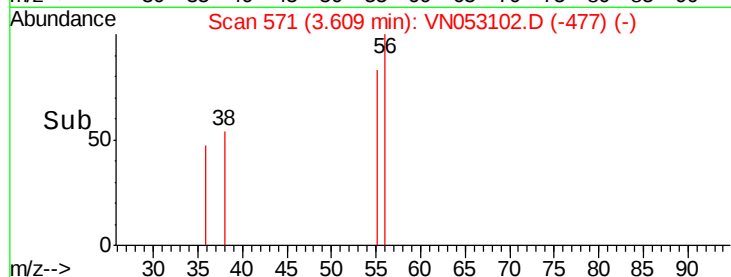
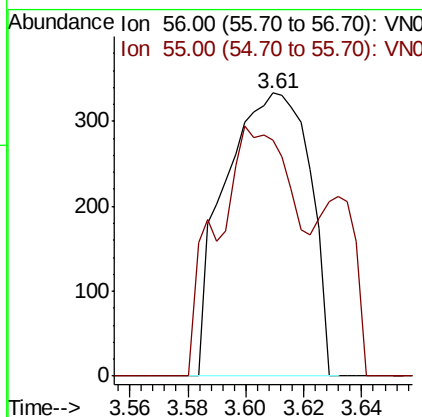
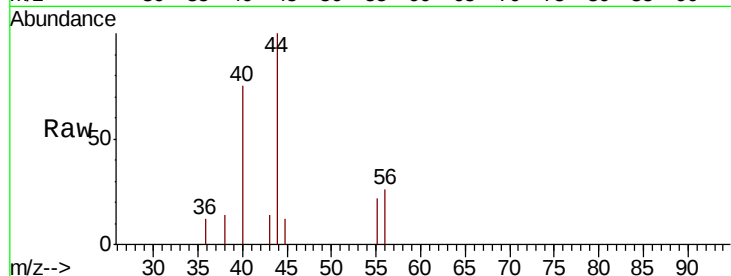




#13
 Acrolein
 Concen: 1.054 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

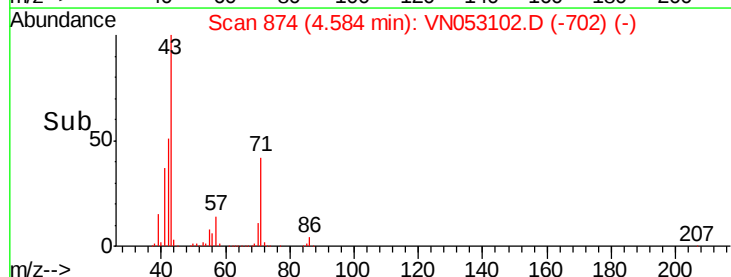
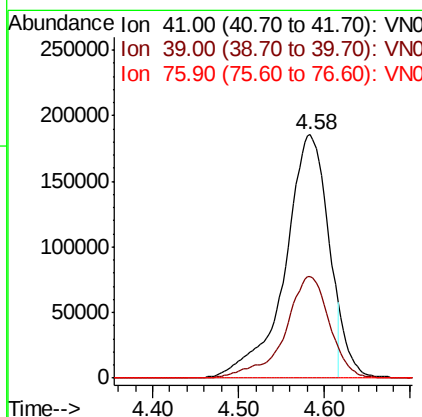
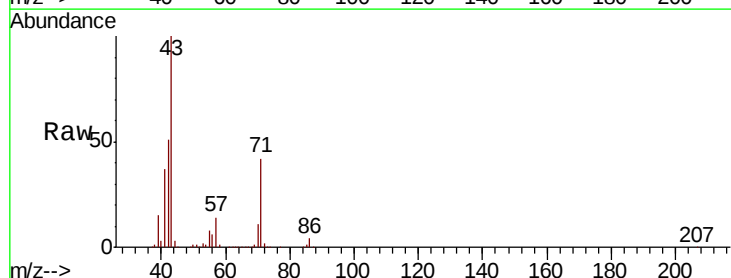
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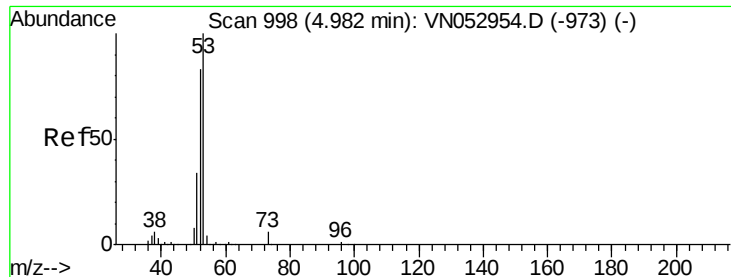
Tot Ion: 56 Resp: 675
 Ion Ratio Lower Upper
 56 100
 55 82.2 56.6 85.0



#14
 Allyl chloride
 Concen: 37.879 ug/l
 RT: 4.58 min Scan# 874
 Delta R.T. 0.25 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion: 41 Resp: 637668
 Ion Ratio Lower Upper
 41 100
 39 41.6 54.1 81.1#
 76 0.0 30.3 45.5#





#15

Acrylonitrile

Concen: 16.946 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD014-0006-01ME

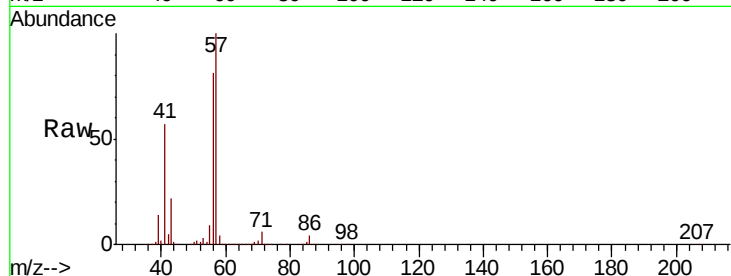
Tot Ion: 53 Resp: 66469

Ion Ratio Lower Upper

53 100

52 20.1 65.1 97.7#

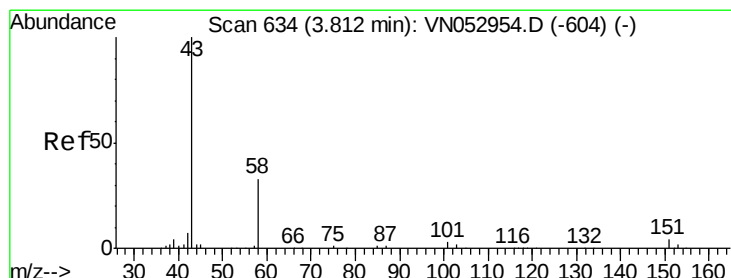
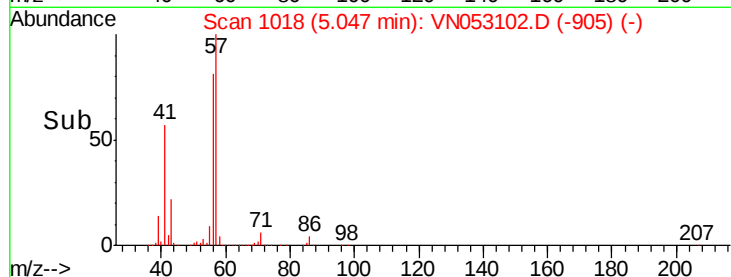
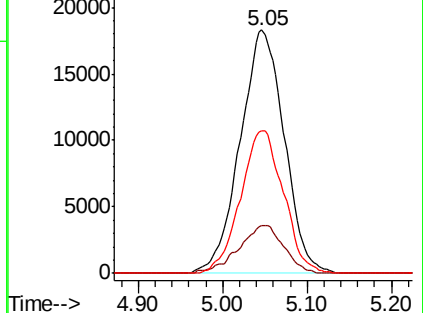
51 56.8 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 0.895 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053102.D

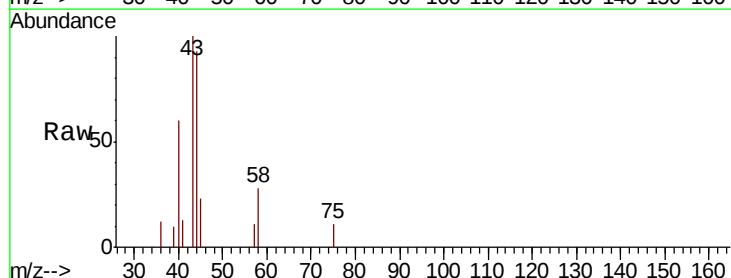
Acq: 21 Dec 2018 15:18

Tgt Ion: 43 Resp: 2031

Ion Ratio Lower Upper

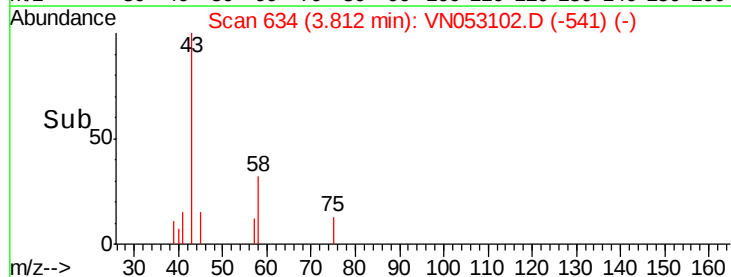
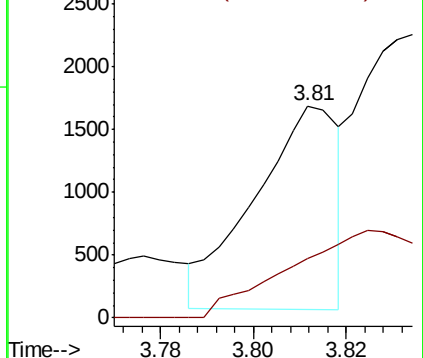
43 100

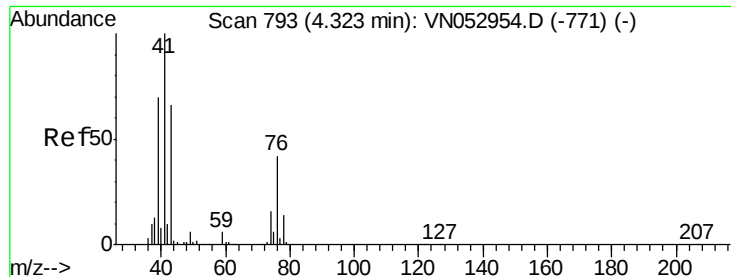
58 37.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

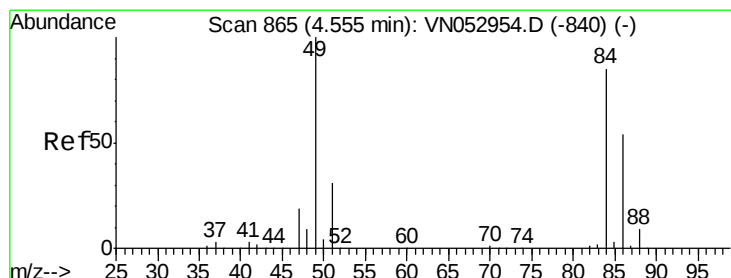
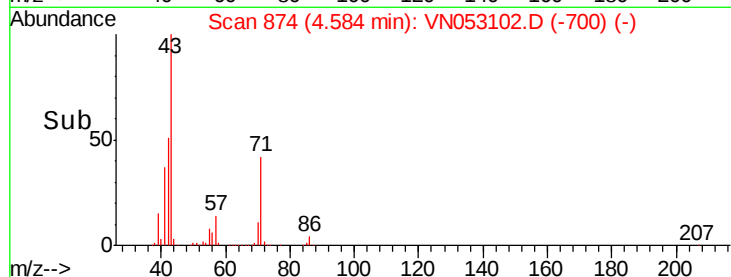
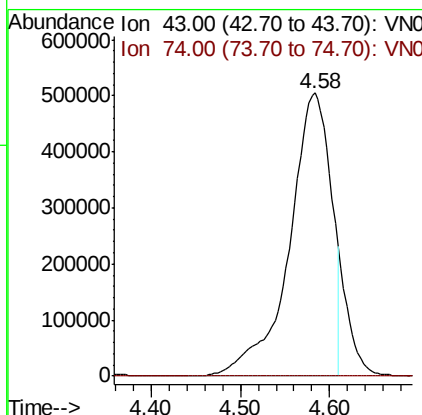
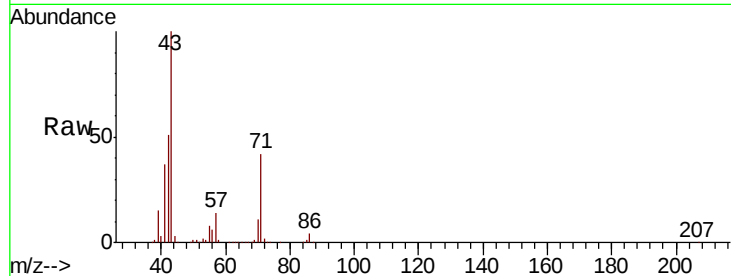




#18
Methyl Acetate
Concen: 156.419 ug/l
RT: 4.58 min Scan# 874
Delta R.T. 0.26 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

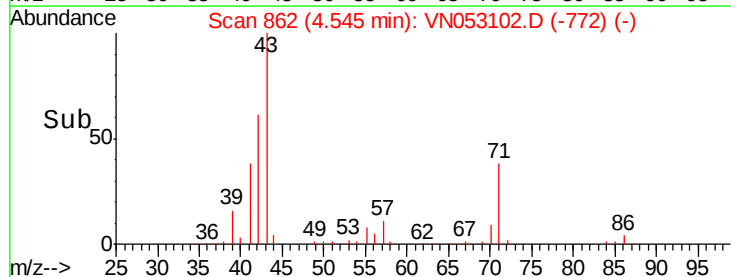
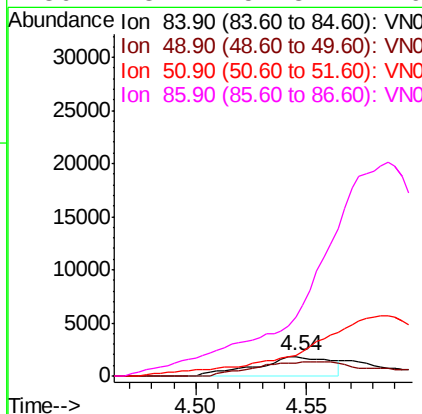
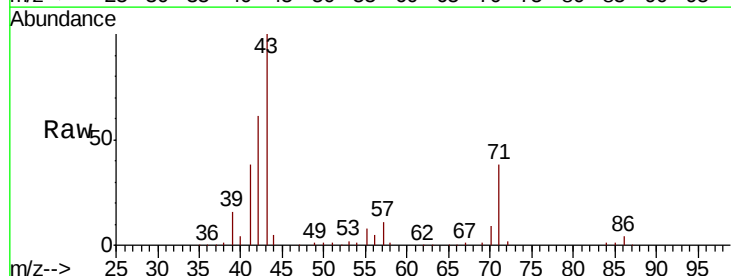
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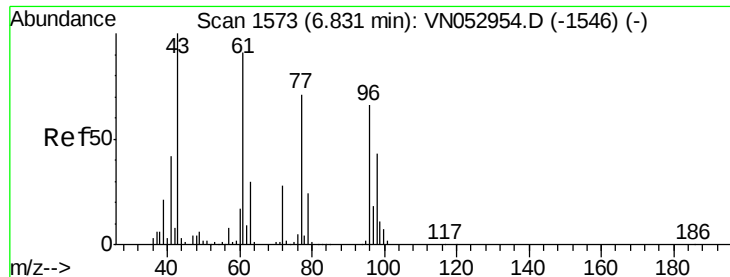
Tot Ion: 43 Resp: 1632901
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

Tgt Ion: 84 Resp: 4299
Ion Ratio Lower Upper
84 100
49 68.8 96.8 145.2#
51 79.0 29.9 44.9#
86 218.4 51.8 77.6#





#25

2-Butanone

Concen: 90.645 ug/l

RT: 6.62 min Scan# 1508

Delta R.T. -0.21 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

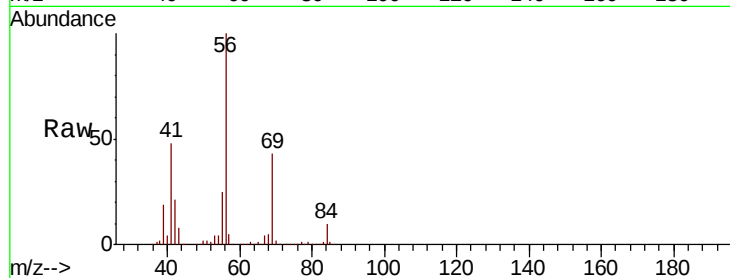
P001-SD014-0006-01ME

Tot Ion: 43 Resp: 345142

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.62

120000

100000

80000

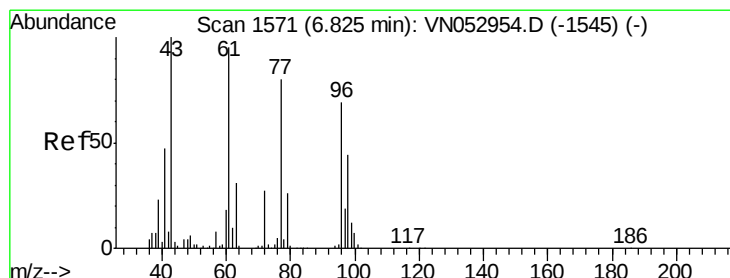
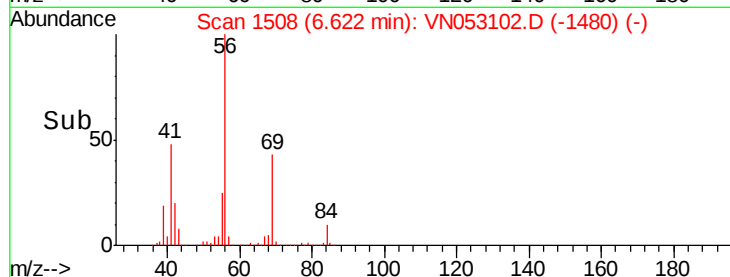
60000

40000

20000

0

Time--> 6.50 6.60 6.70



#26

2,2-Dichloropropane

Concen: 1.616 ug/l

RT: 6.63 min Scan# 1509

Delta R.T. -0.20 min

Lab File: VN053102.D

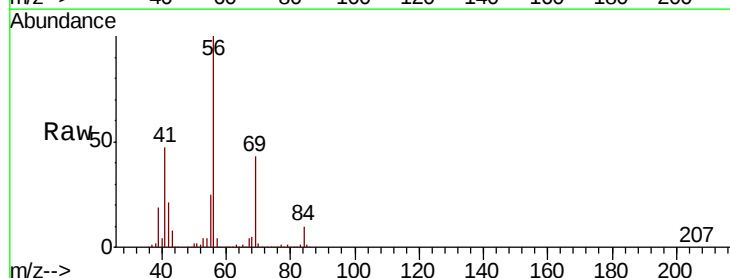
Acq: 21 Dec 2018 15:18

Tgt Ion: 77 Resp: 26335

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.63

8000

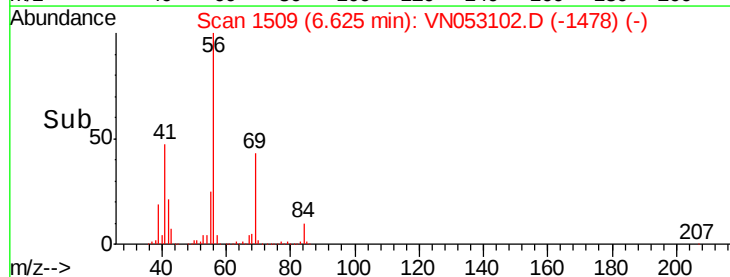
6000

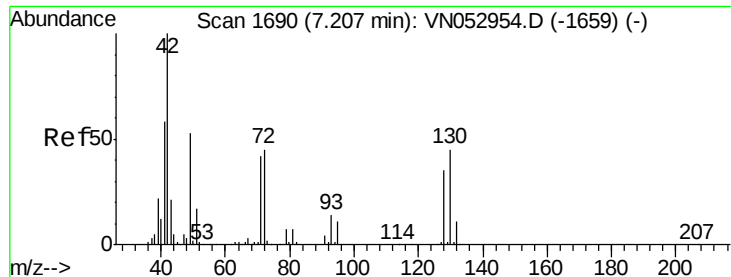
4000

2000

0

Time--> 6.50 6.55 6.60 6.65 6.70

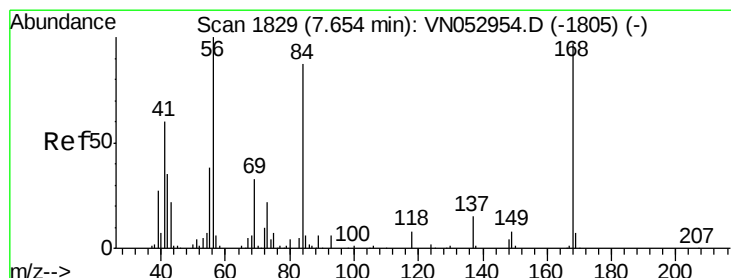
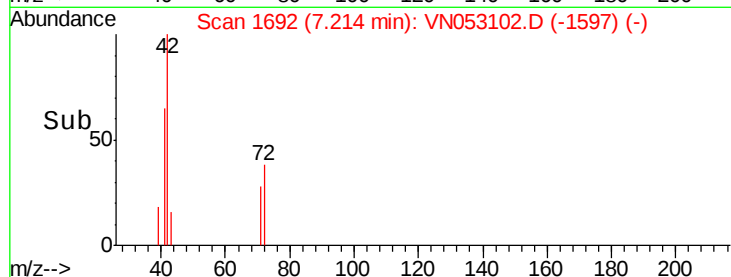
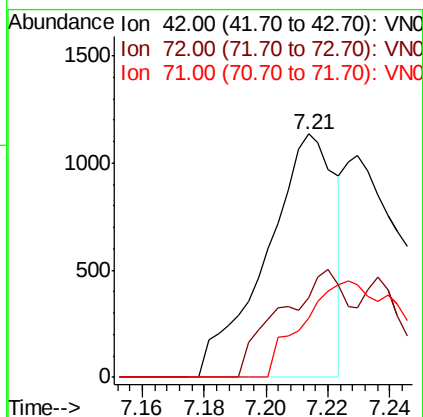
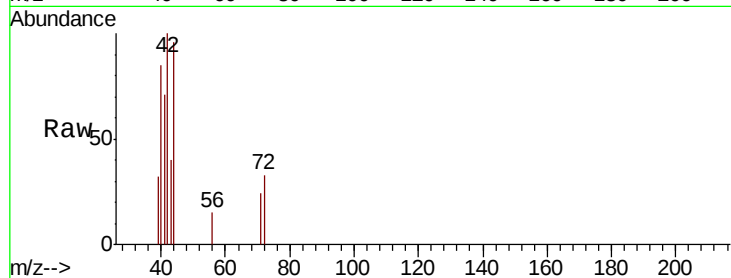




#29
Tetrahydrofuran
Concen: 0.619 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

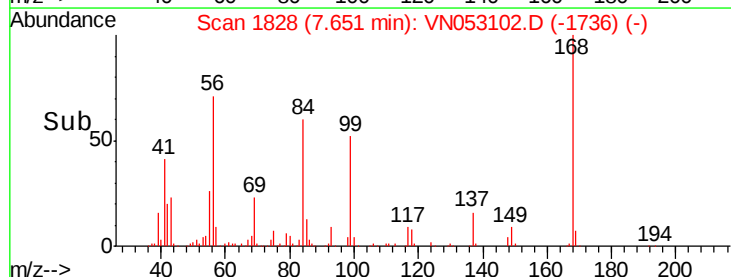
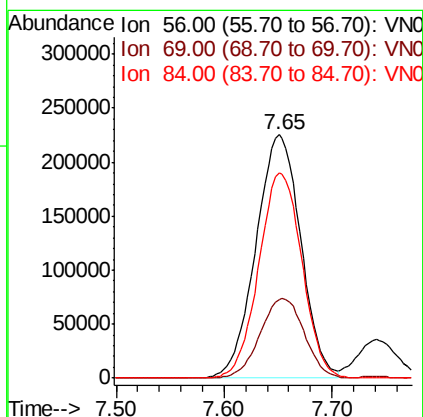
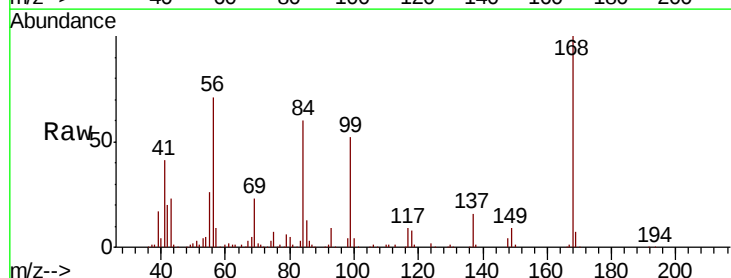
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ClientSampleId :
P001-SD014-0006-01ME

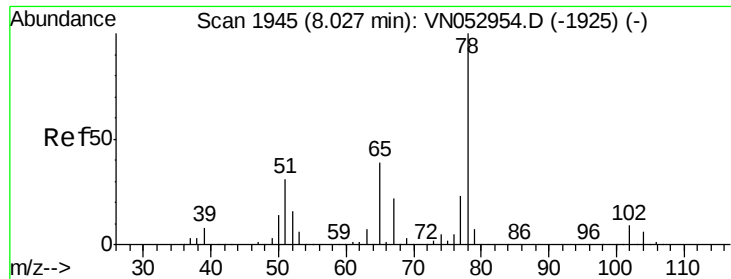
Tot Ion: 42 Resp: 1759
Ion Ratio Lower Upper
42 100
72 44.5 34.7 52.1
71 57.5 32.3 48.5#



#31
Cyclohexane
Concen: 32.095 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

Tgt Ion: 56 Resp: 650273
Ion Ratio Lower Upper
56 100
69 32.2 26.6 39.8
84 84.5 68.4 102.6

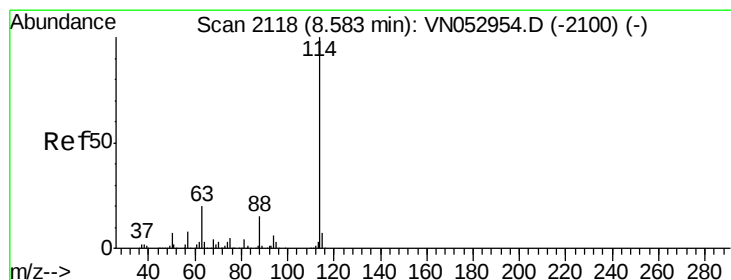
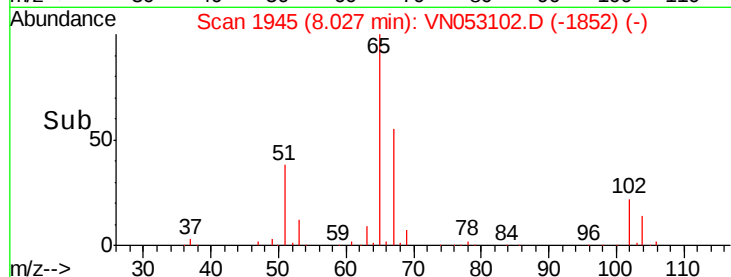
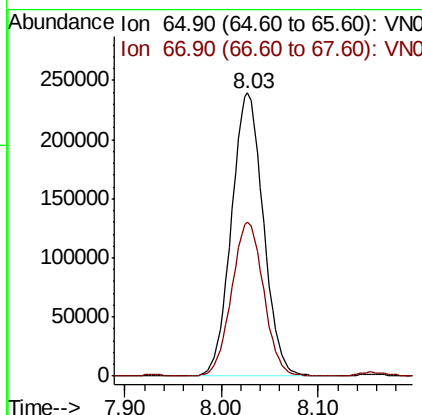
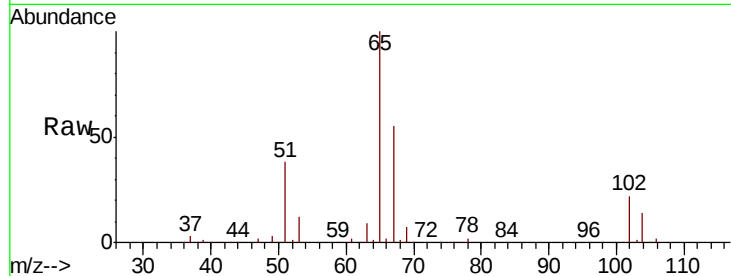




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

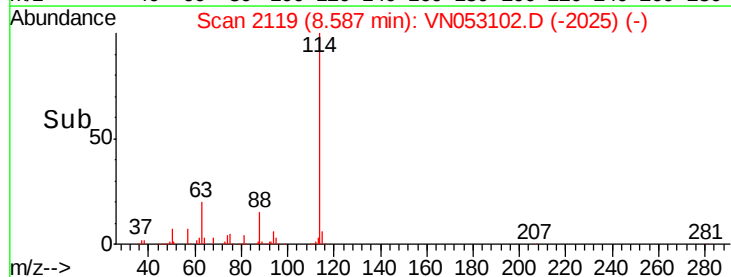
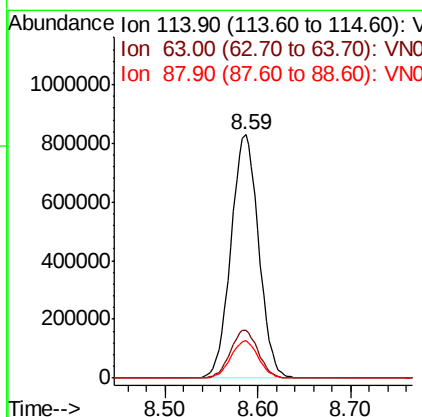
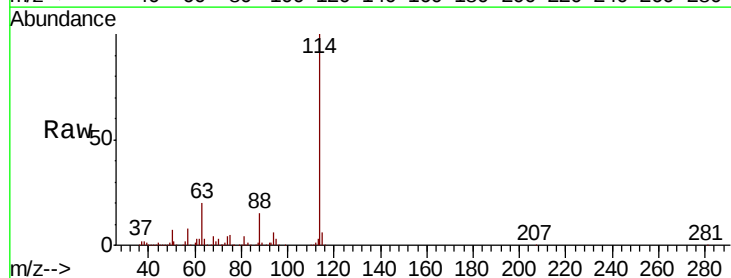
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

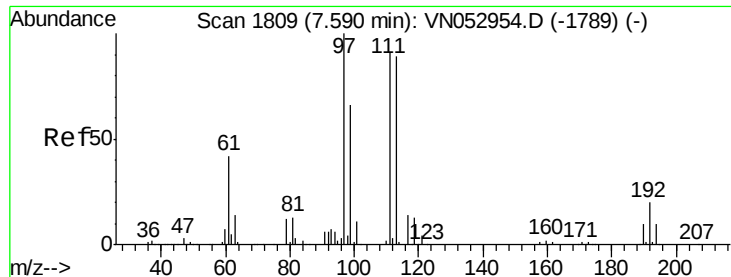
Tot Ion: 65 Resp: 548664
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion: 114 Resp: 1720251
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.2 0.0 31.0

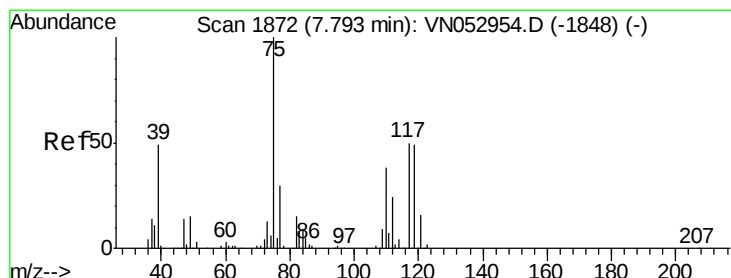
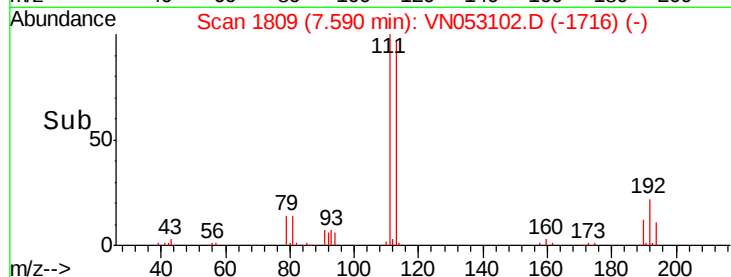
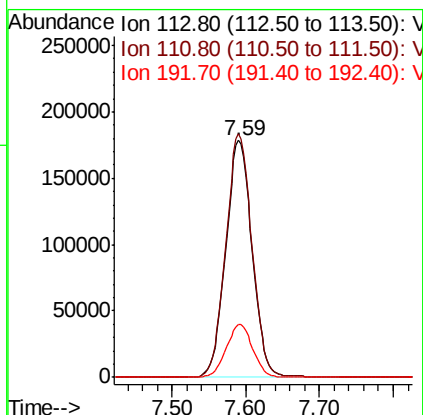
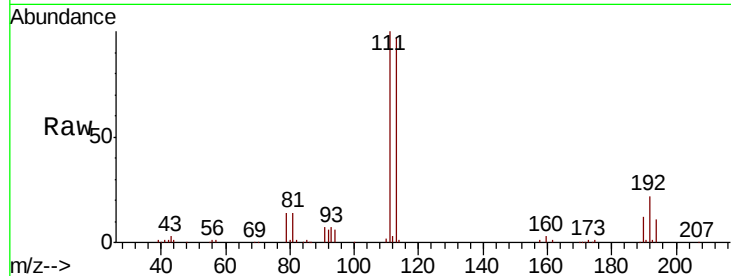




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

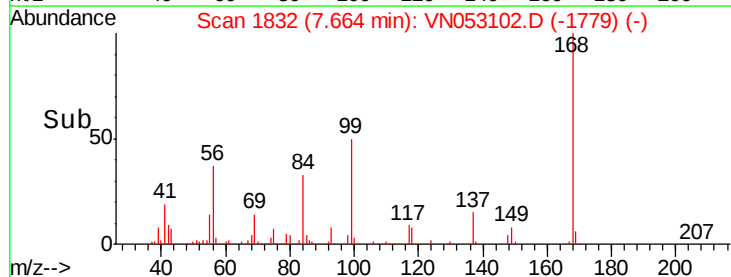
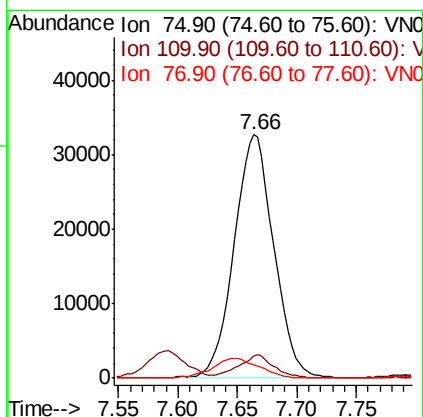
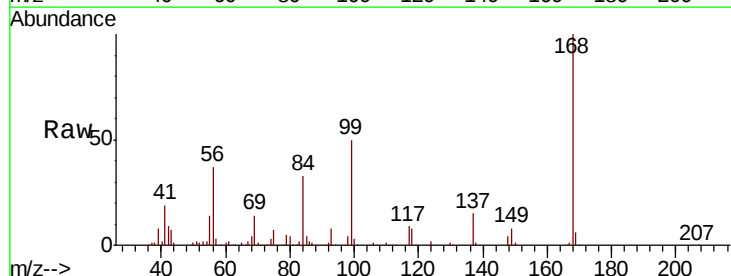
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

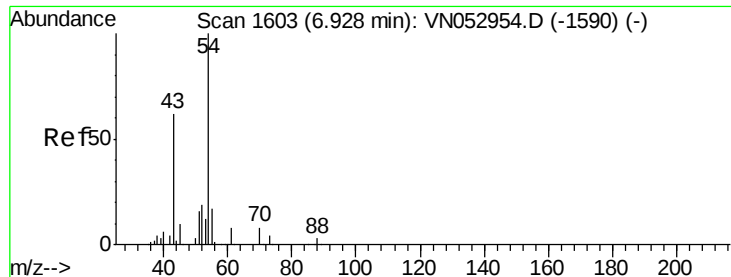
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	22.3	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	9.6	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.548 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.11 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD014-0006-01ME

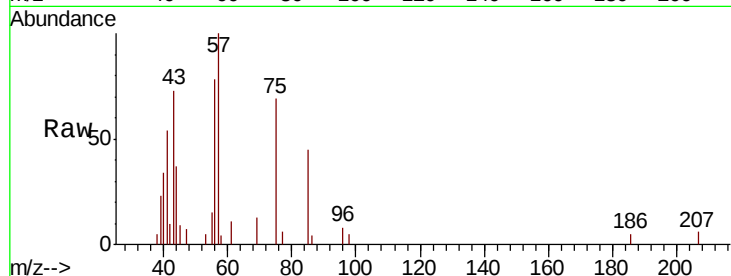
Tot Ion: 43 Resp: 5047

Ion Ratio Lower Upper

43 100

61 21.3 11.8 17.6#

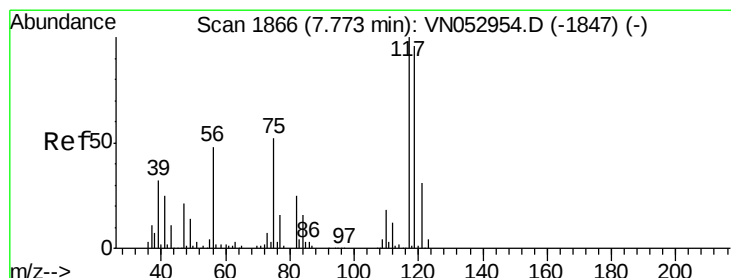
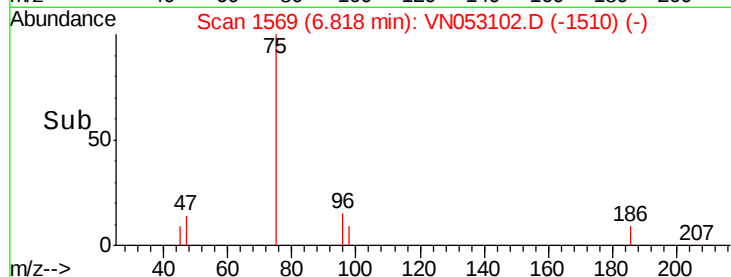
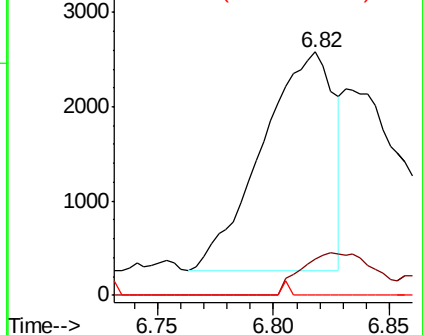
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN053102.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN053102.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053102.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 6.528 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

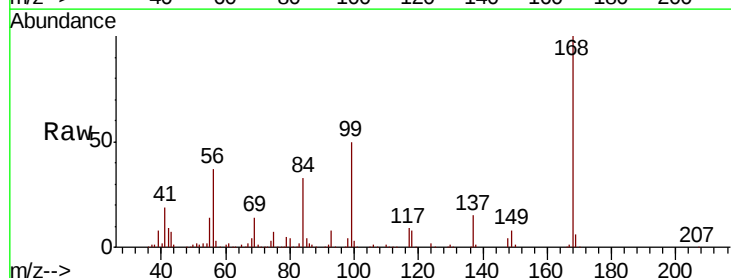
Tgt Ion: 117 Resp: 98798

Ion Ratio Lower Upper

117 100

119 4.6 77.1 115.7#

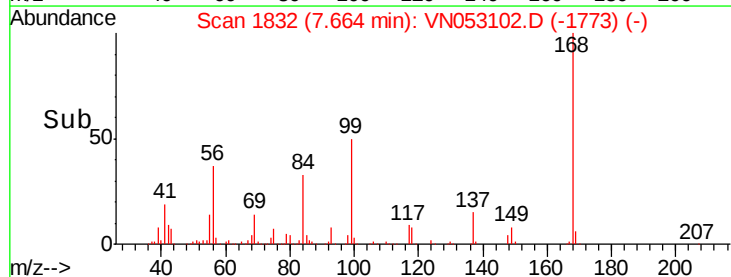
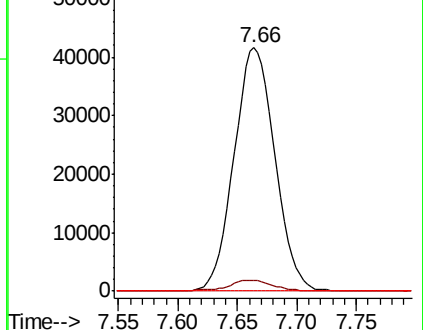
121 0.0 24.9 37.3#

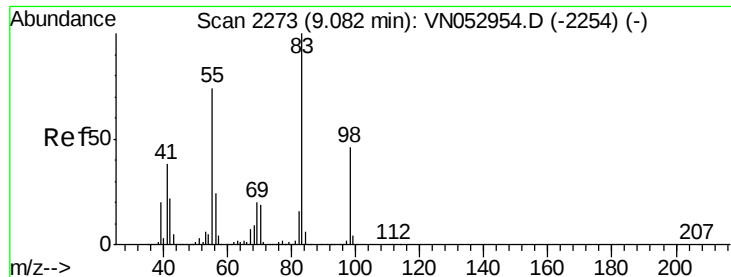


Abundance Ion 116.80 (116.50 to 117.50): VN053102.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053102.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053102.D (-1773) (-)

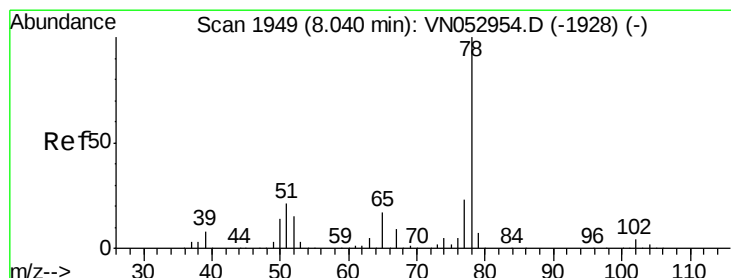
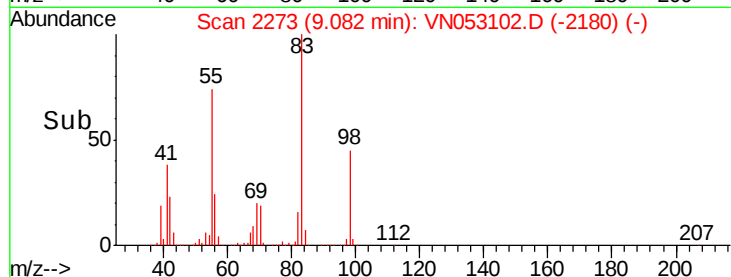
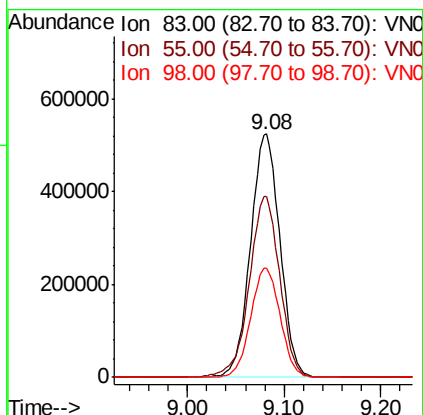
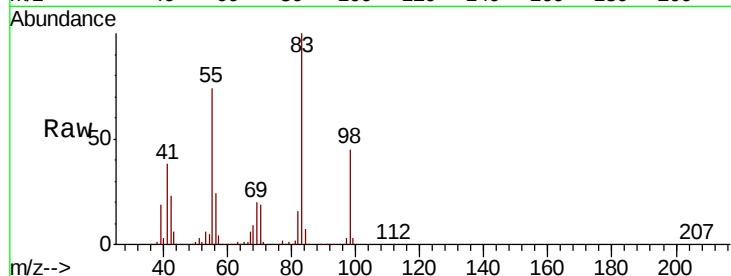




#39
Methvlcvclohexane
Concen: 55.200 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

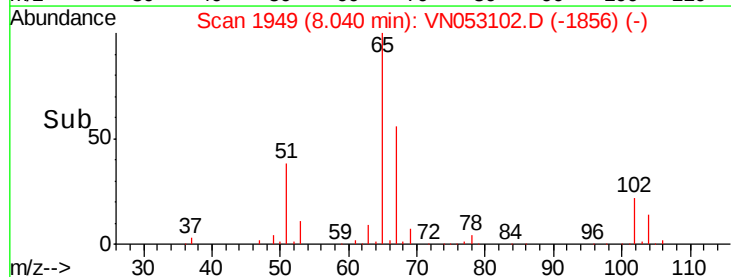
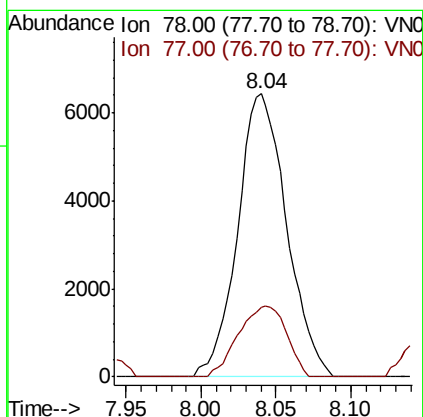
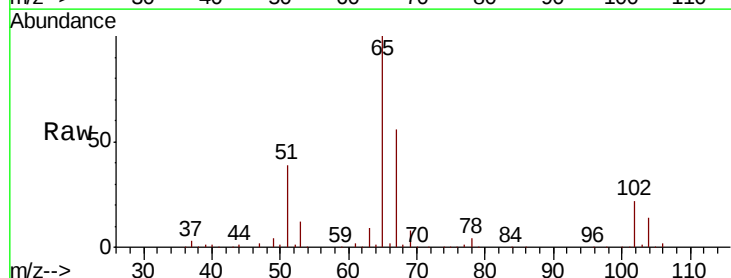
Instrument :
MSVOA_N
ClientSampleId :
P001-SD014-0006-01ME

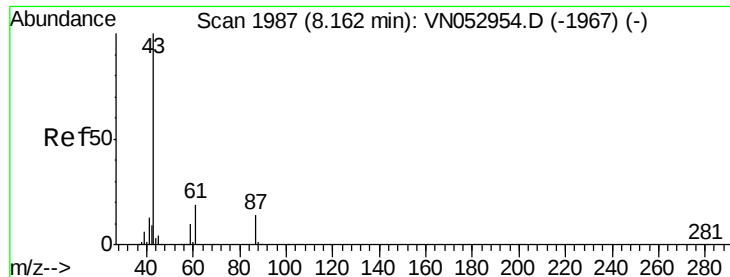
Tot Ion: 83 Resp: 1107203
Ion Ratio Lower Upper
83 100
55 74.1 61.3 91.9
98 45.0 37.0 55.4



#40
Benzene
Concen: 0.298 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

Tgt Ion: 78 Resp: 14638
Ion Ratio Lower Upper
78 100
77 24.5 18.5 27.7





#43

Isopropyl Acetate

Concen: 2.531 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD014-0006-01ME

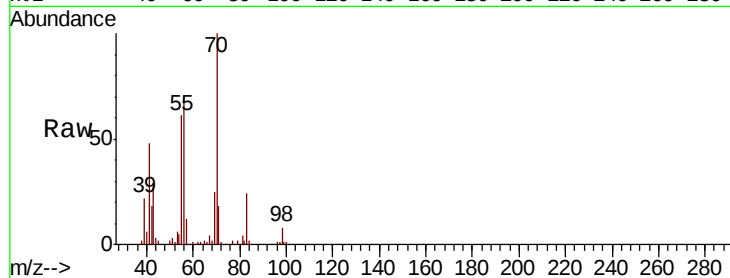
Tot Ion: 43 Resp: 62831

Ion Ratio Lower Upper

43 100

61 0.6 22.9 34.3#

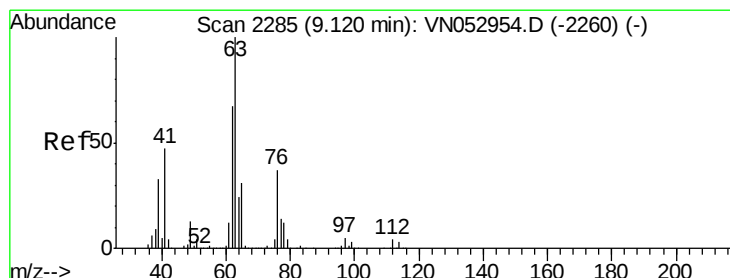
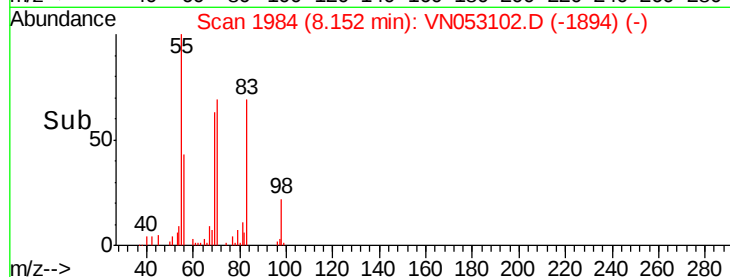
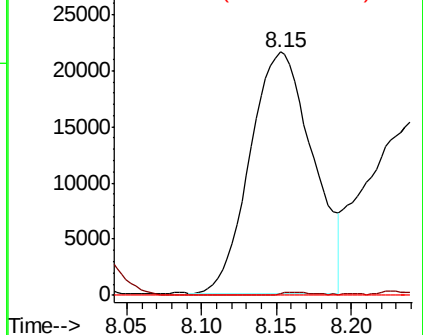
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053102.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN053102.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN053102.D (-1967) (-)



#45

1,2-Dichloropropane

Concen: 0.644 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN053102.D

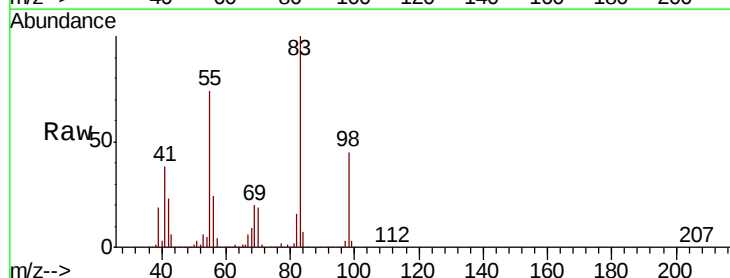
Acq: 21 Dec 2018 15:18

Tgt Ion: 63 Resp: 8233

Ion Ratio Lower Upper

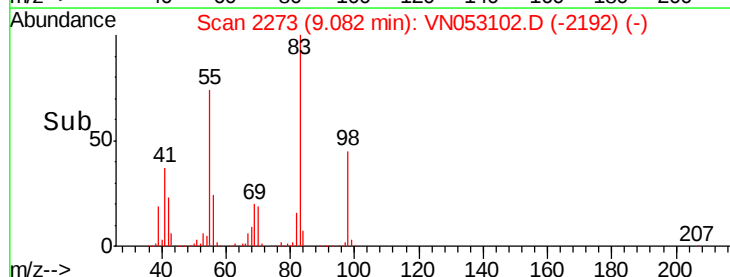
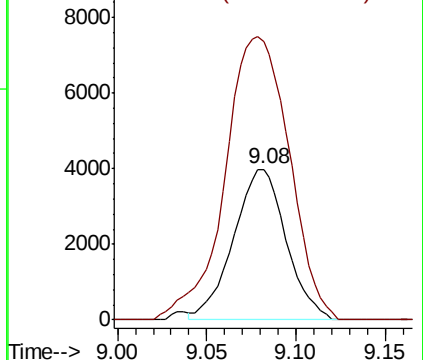
63 100

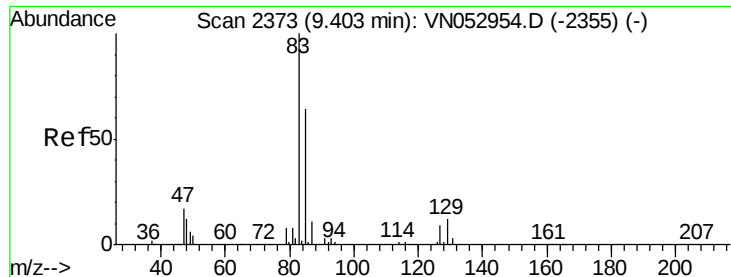
65 184.8 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN053102.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053102.D (-2192) (-)

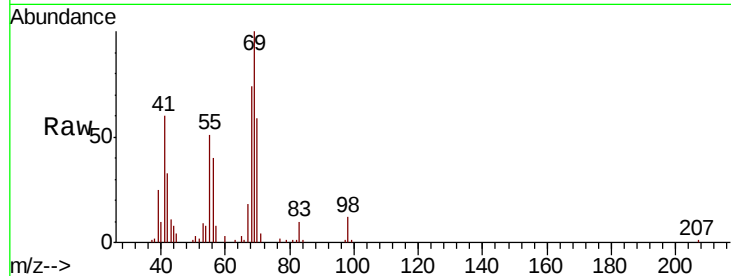




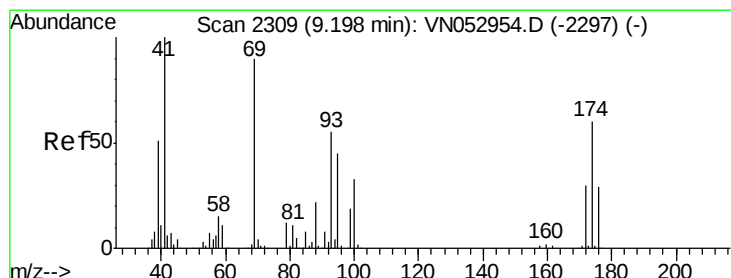
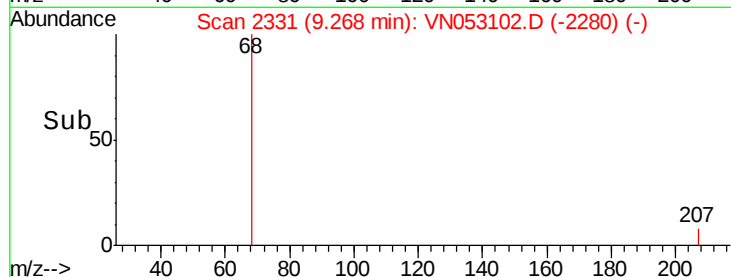
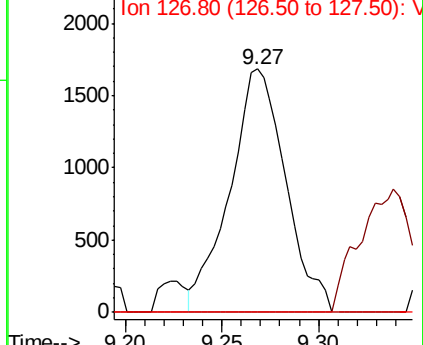
#47
Bromodichloromethane
Concen: 0.213 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. -0.14 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD014-0006-01ME

Tot Ion: 83 Resp: 3379
Ion Ratio Lower Upper
83 100
85 0.0 51.6 77.4#
127 0.0 7.1 10.7#

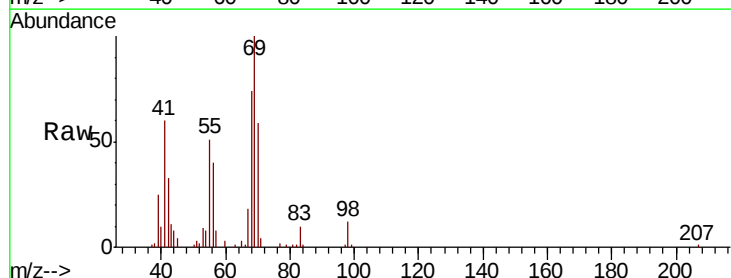


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

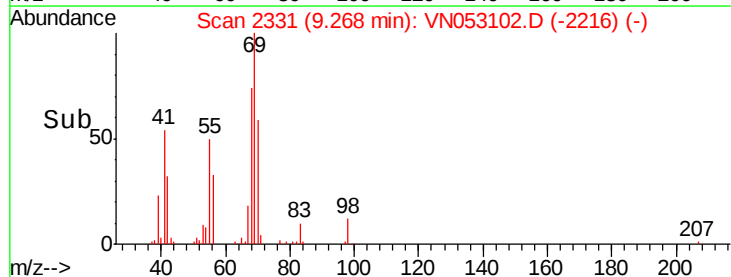
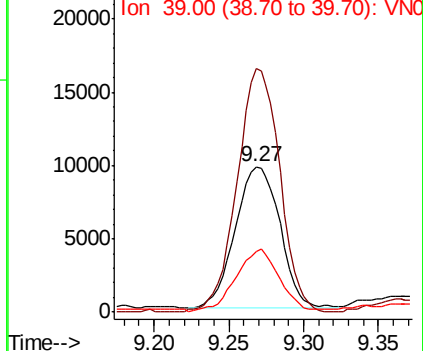


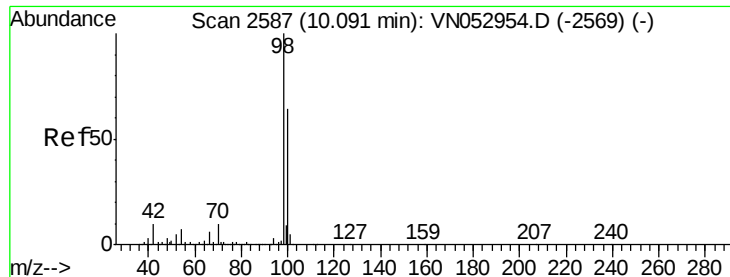
#48
Methyl methacrylate
Concen: 2.231 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

Tgt Ion: 41 Resp: 19957
Ion Ratio Lower Upper
41 100
69 165.3 72.2 108.2#
39 43.8 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

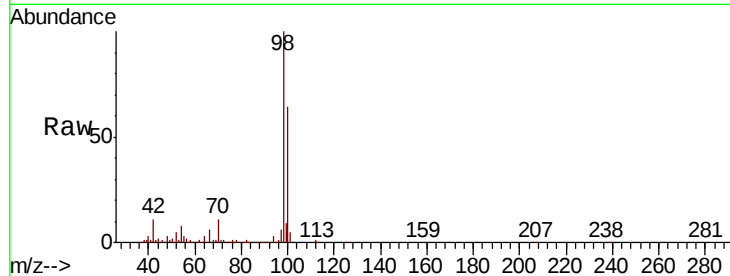
P001-SD014-0006-01ME

Tot Ion: 98 Resp: 2118005

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)

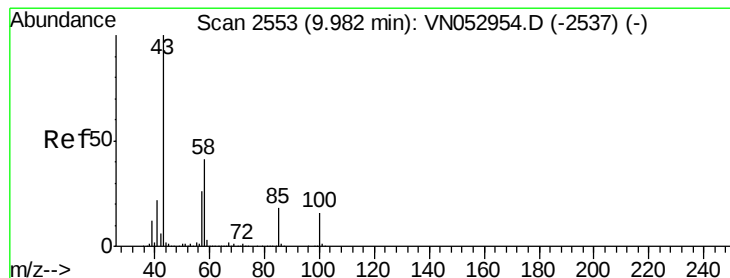
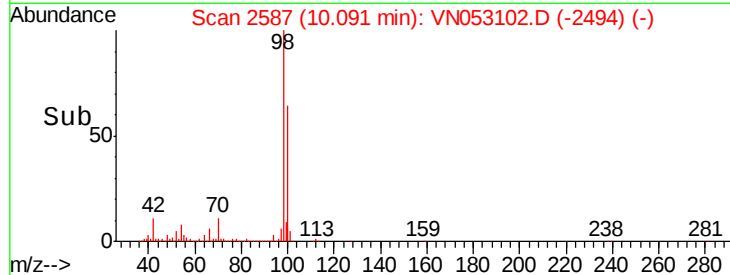
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.683 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN053102.D

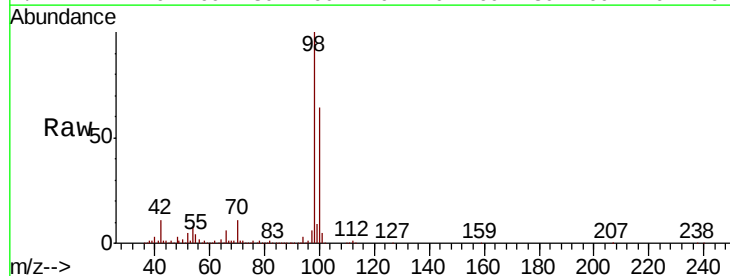
Acq: 21 Dec 2018 15:18

Tgt Ion: 43 Resp: 15019

Ion Ratio Lower Upper

43 100

58 109.9 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2537) (-)

10.09

10000

8000

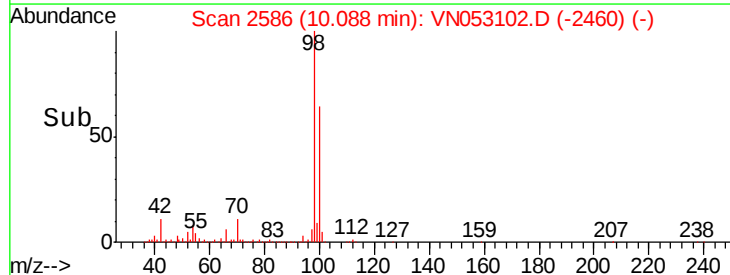
6000

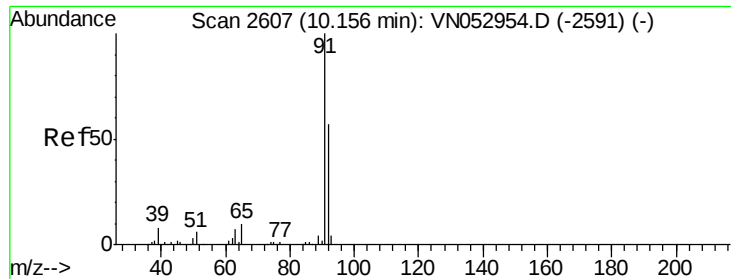
4000

2000

0

Time-->





#52

Toluene

Concen: 0.526 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

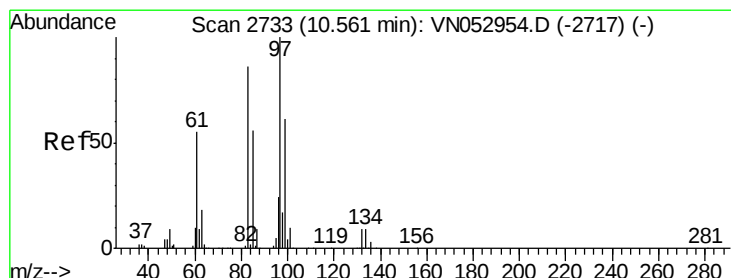
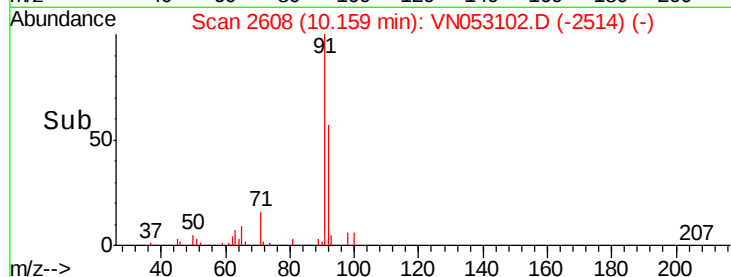
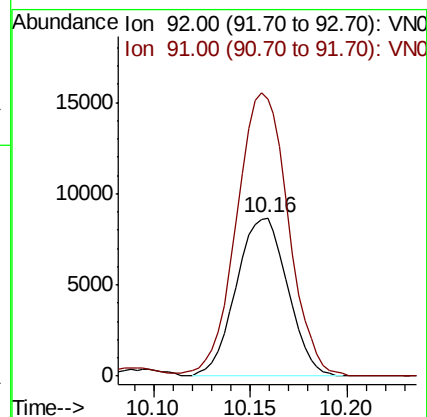
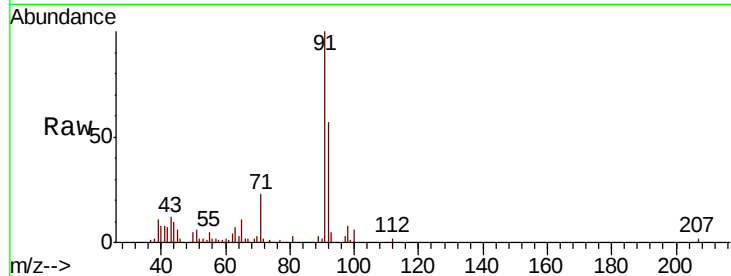
P001-SD014-0006-01ME

Tot Ion: 92 Resp: 16015

Ion Ratio Lower Upper

92 100

91 181.0 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 4.613 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Tgt Ion: 97 Resp: 48995

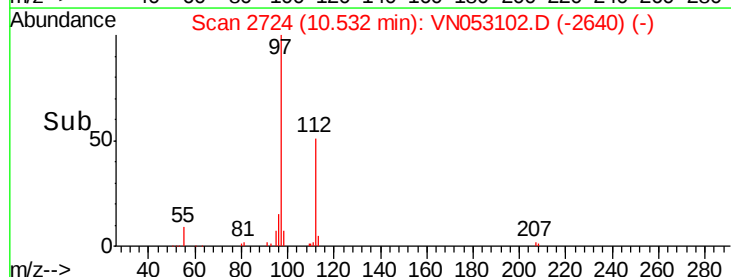
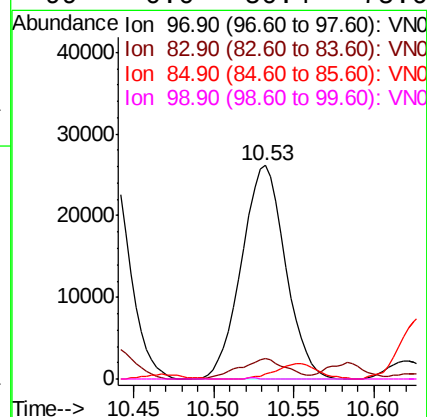
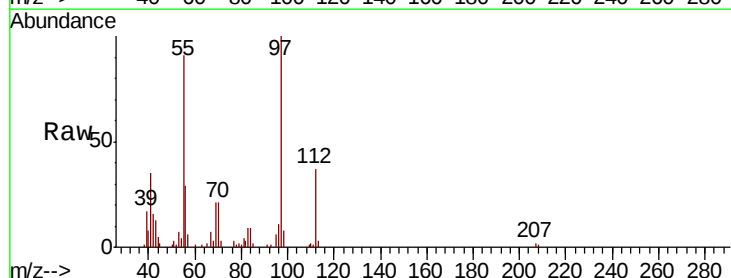
Ion Ratio Lower Upper

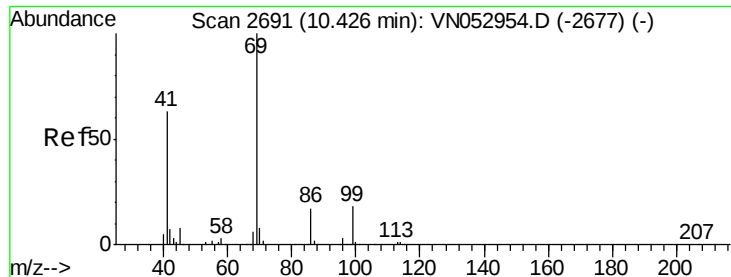
97 100

83 9.4 70.9 106.3#

85 1.5 45.4 68.2#

99 0.0 50.4 75.6#





#56

Ethyl methacrylate

Concen: 1.012 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD014-0006-01ME

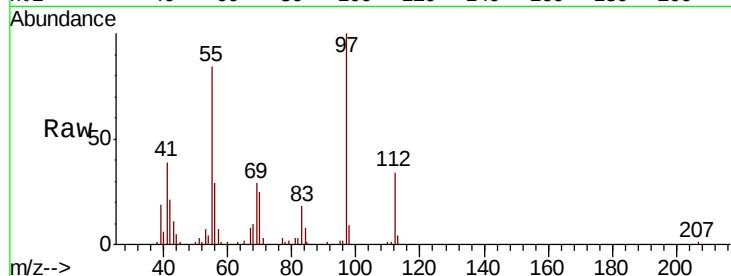
Tot Ion: 69 Resp: 14222

Ion Ratio Lower Upper

69 100

41 139.9 51.7 77.5#

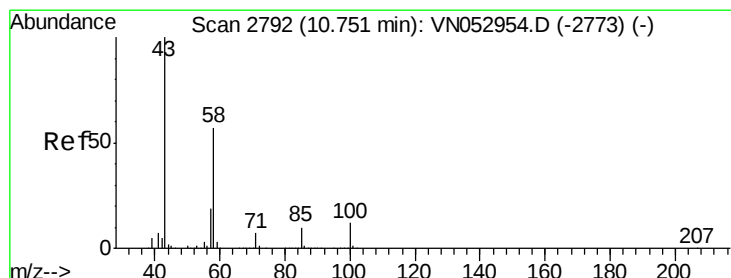
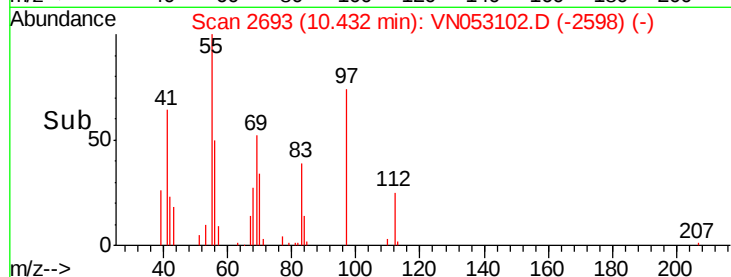
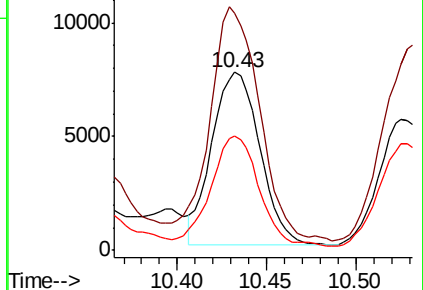
39 58.6 24.6 37.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 6.368 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN053102.D

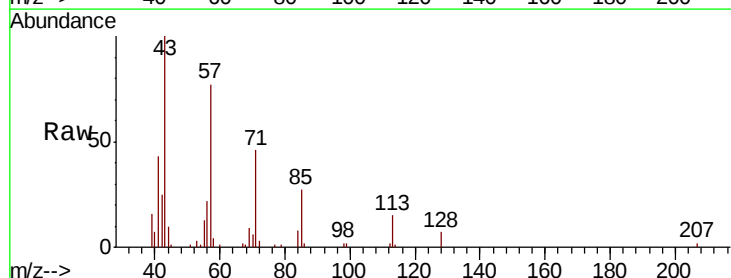
Acq: 21 Dec 2018 15:18

Tgt Ion: 43 Resp: 38461

Ion Ratio Lower Upper

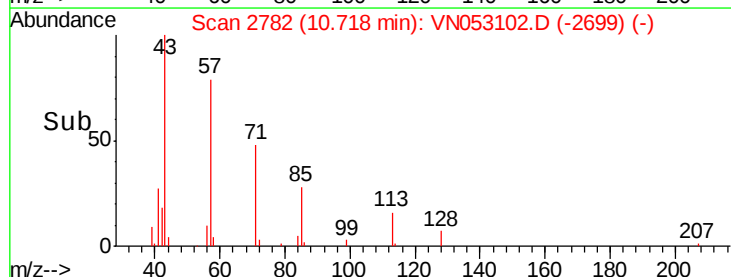
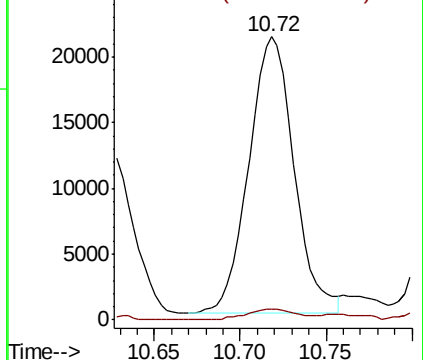
43 100

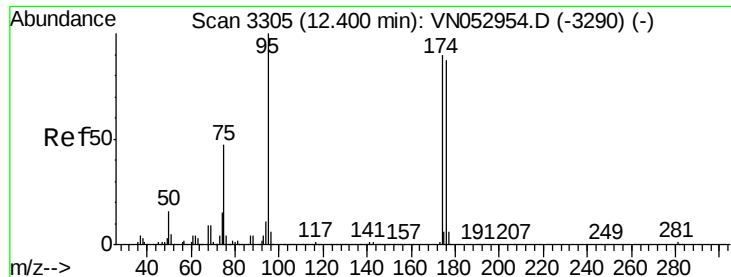
58 4.3 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

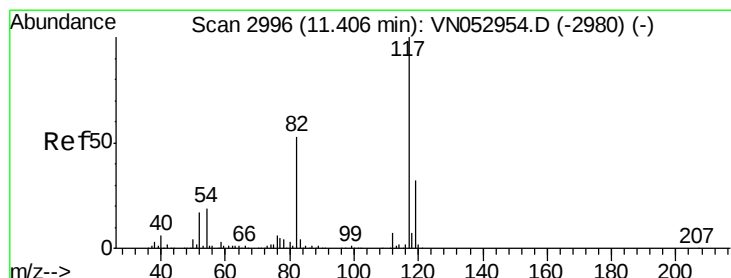
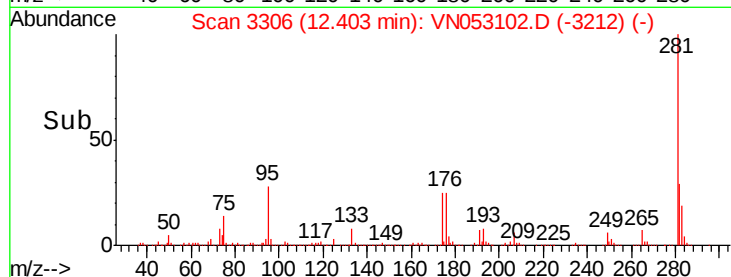
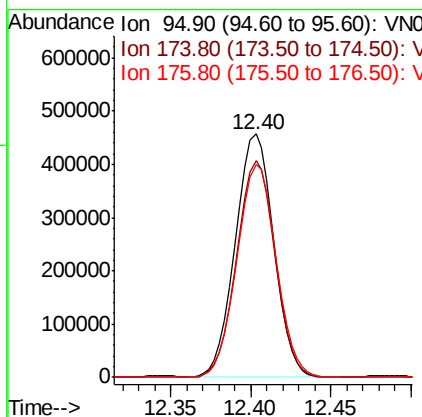
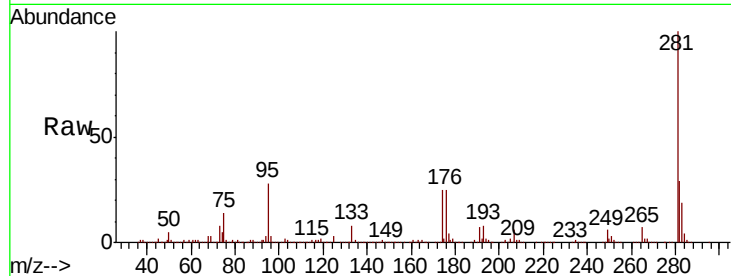




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

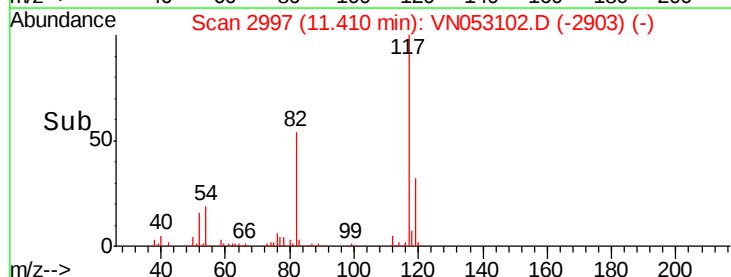
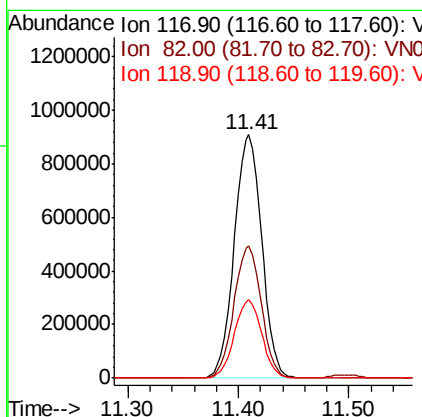
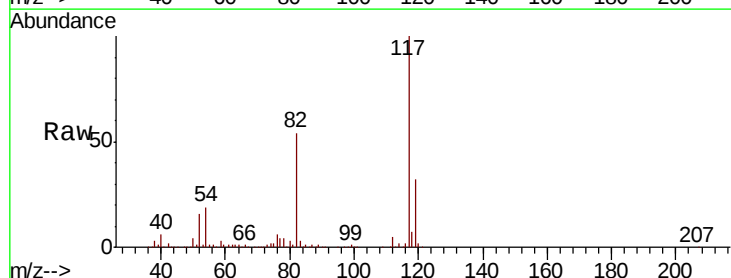
Instrument :
MSVOA_N
ClientSampleId :
P001-SD014-0006-01ME

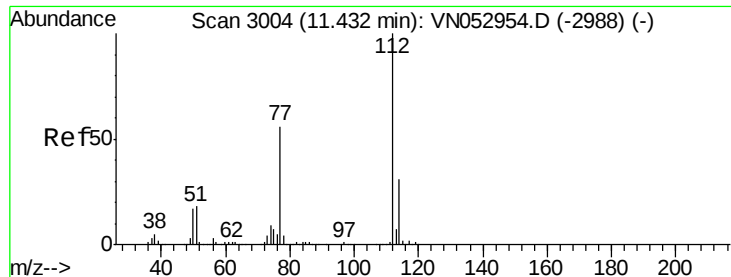
Tot Ion: 95 Resp: 744319
Ion Ratio Lower Upper
95 100
174 89.4 0.0 178.8
176 89.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

Tgt Ion: 117 Resp: 1567997
Ion Ratio Lower Upper
117 100
82 54.2 42.8 64.2
119 32.0 25.5 38.3

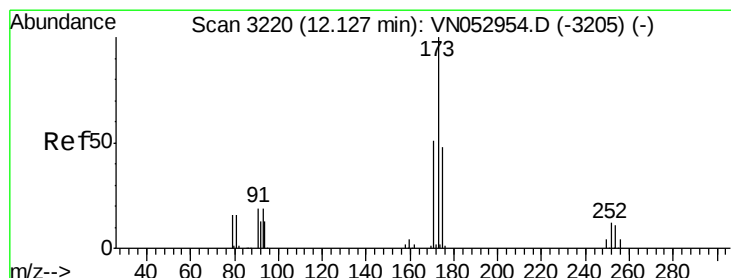
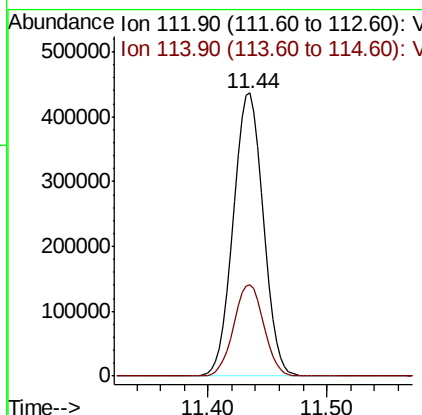
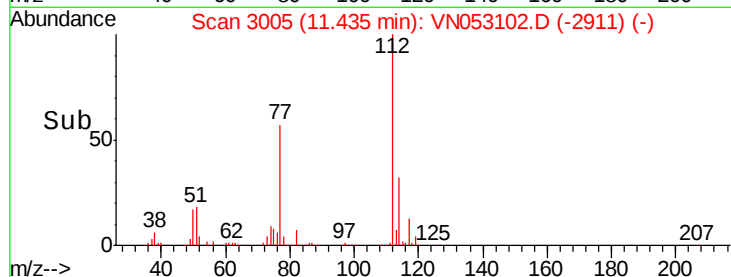
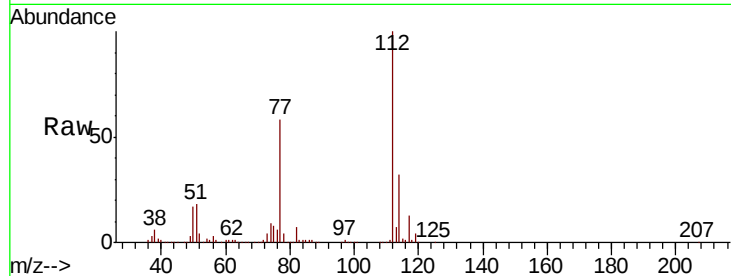




#65
Chlorobenzene
Concen: 21.971 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

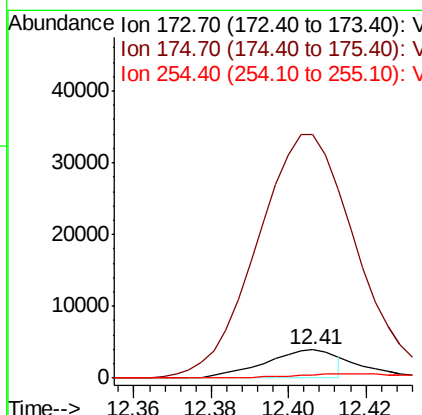
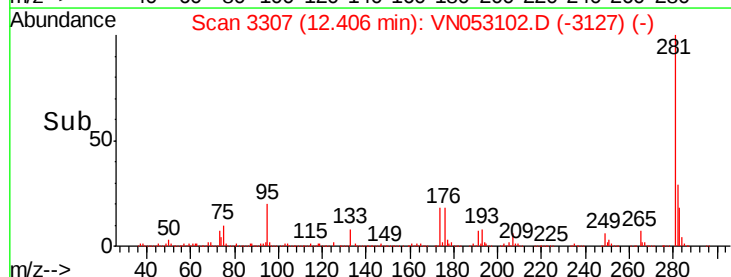
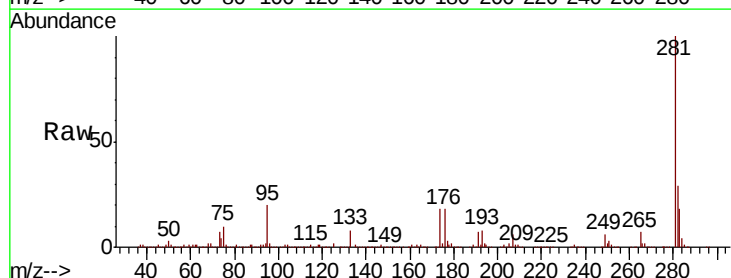
Instrument :
MSVOA_N
ClientSampleId :
P001-SD014-0006-01ME

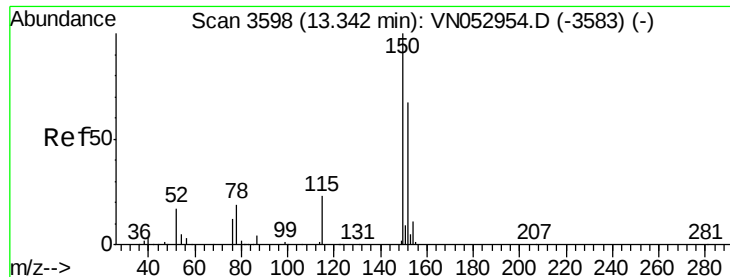
Tot Ion:112 Resp: 763670
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3



#71
Bromoform
Concen: 0.578 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN053102.D
Acq: 21 Dec 2018 15:18

Tgt Ion:173 Resp: 5045
Ion Ratio Lower Upper
173 100
175 943.7 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD014-0006-01ME

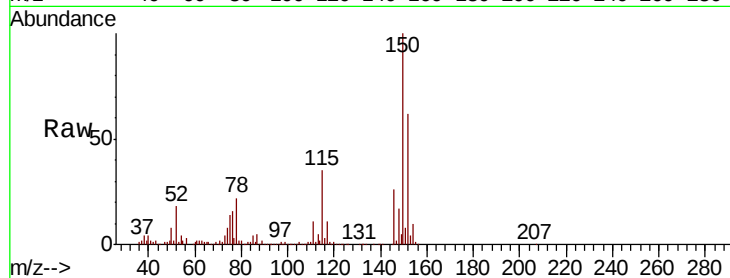
Tot Ion:152 Resp: 743792

Ion Ratio Lower Upper

152 100

115 59.0 28.3 85.0

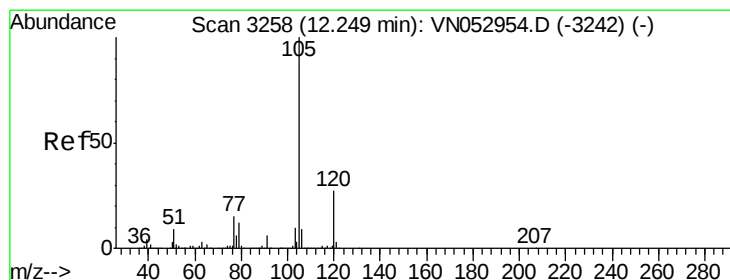
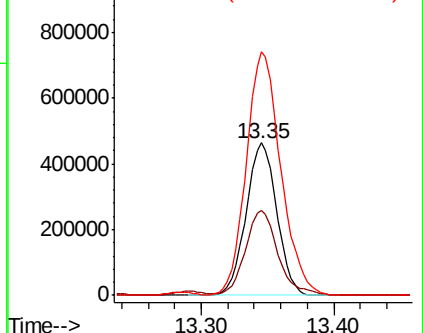
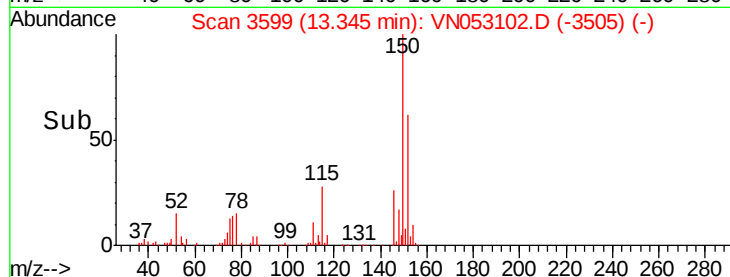
150 179.7 0.0 347.8



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



#73

Isopropylbenzene

Concen: 3.317 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053102.D

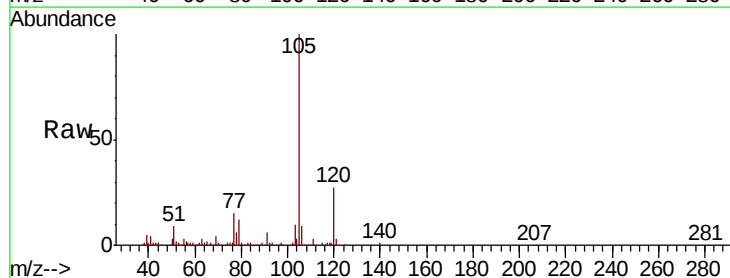
Acq: 21 Dec 2018 15:18

Tgt Ion:105 Resp: 193046

Ion Ratio Lower Upper

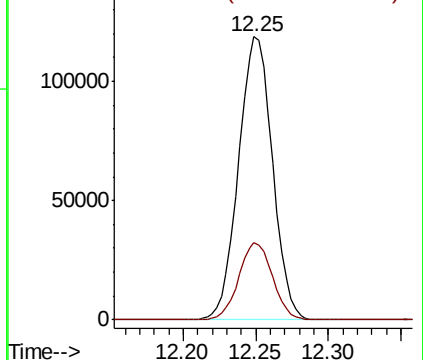
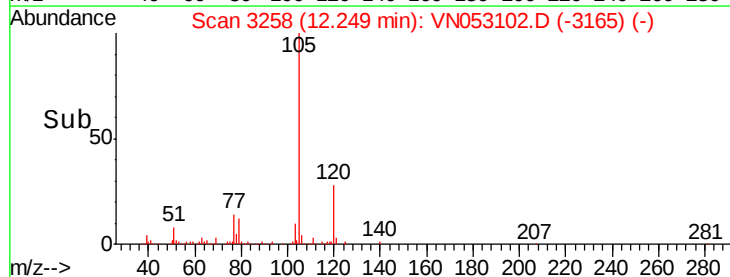
105 100

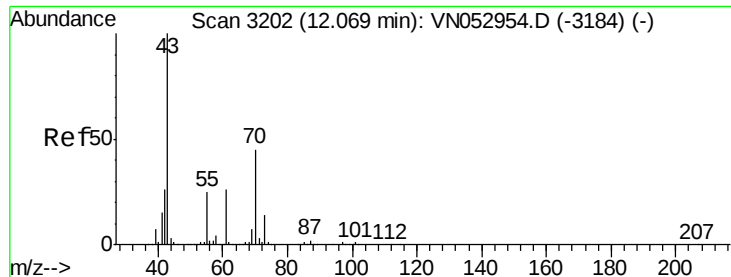
120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 1.332 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD014-0006-01ME

Tot Ion: 43 Resp: 21523

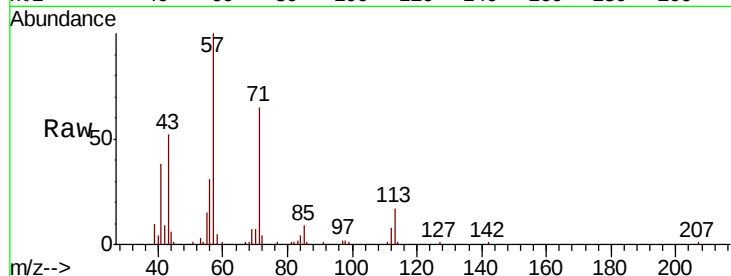
Ion Ratio Lower Upper

43 100

70 12.6 34.2 51.4#

55 12.9 20.3 30.5#

61 0.0 20.0 30.0#

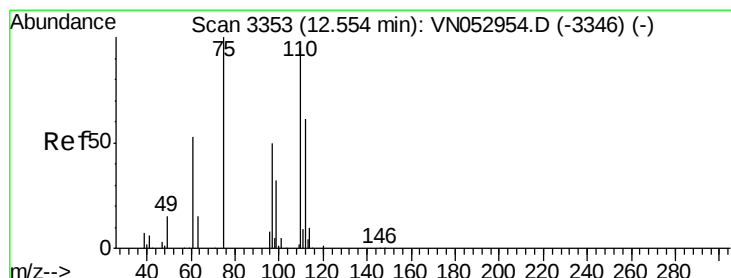
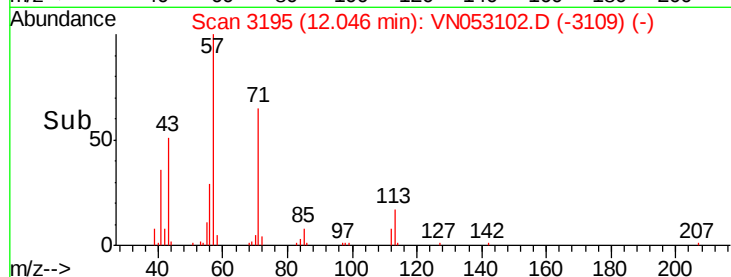
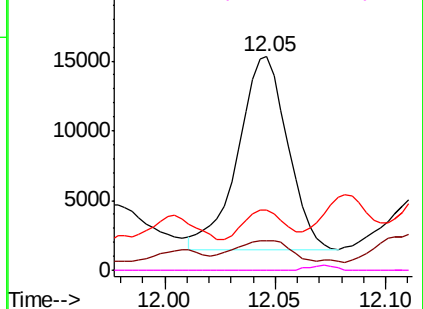


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.372 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053102.D

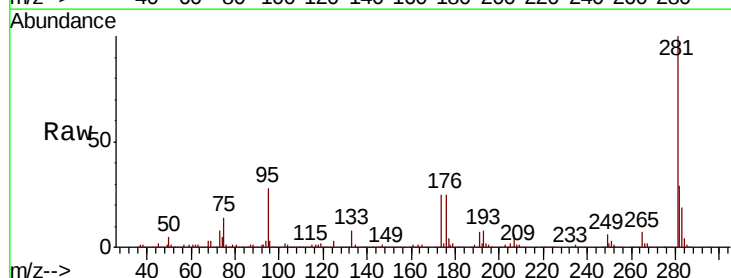
Acq: 21 Dec 2018 15:18

Tgt Ion: 75 Resp: 392810

Ion Ratio Lower Upper

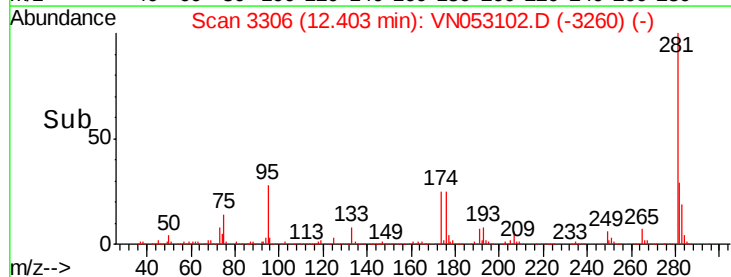
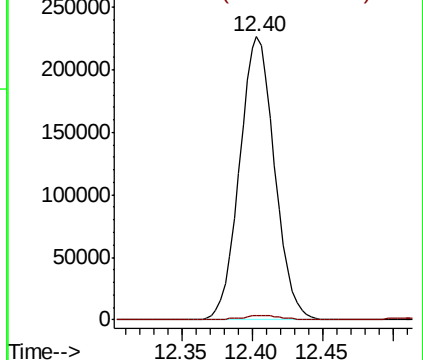
75 100

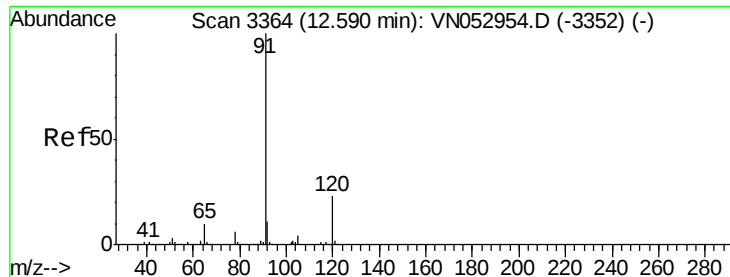
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 5.555 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

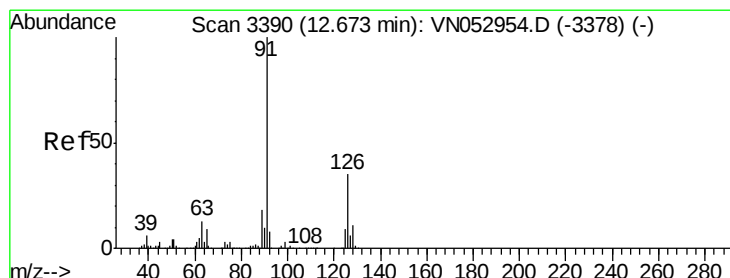
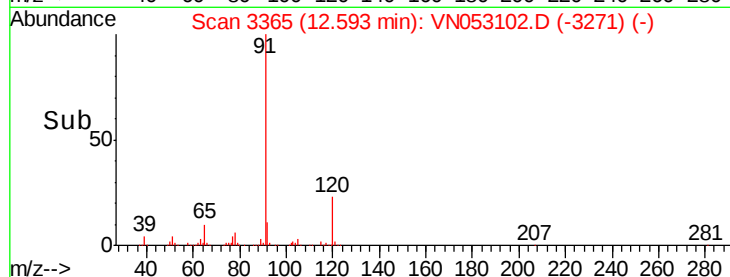
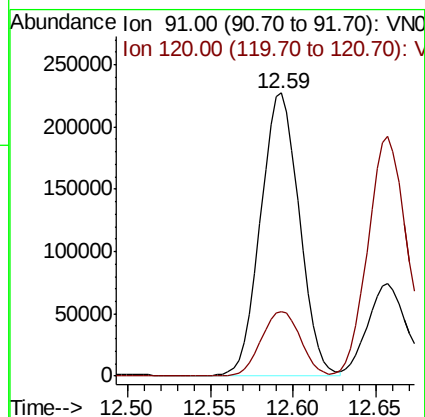
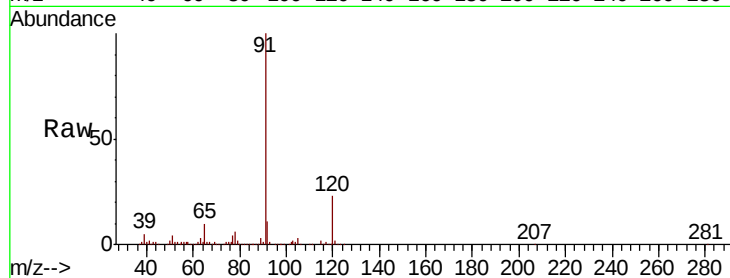
P001-SD014-0006-01ME

Tot Ion: 91 Resp: 368183

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5



#79

2-Chlorotoluene

Concen: 3.339 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053102.D

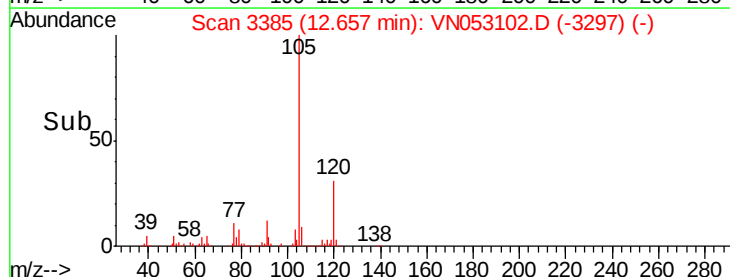
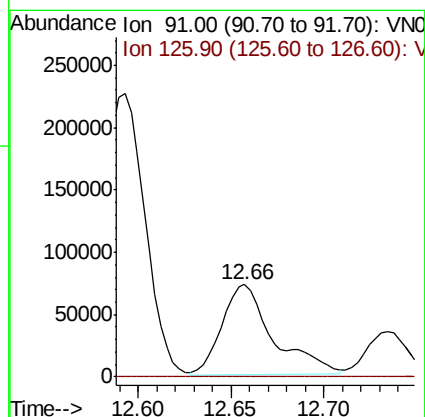
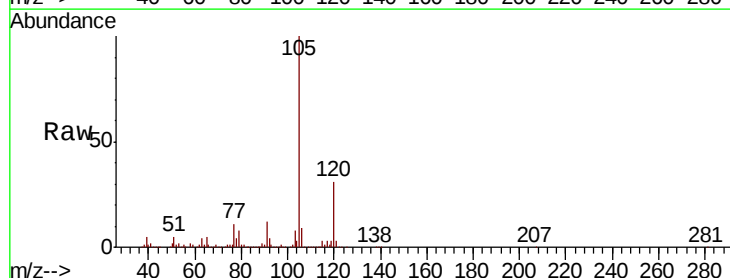
Acq: 21 Dec 2018 15:18

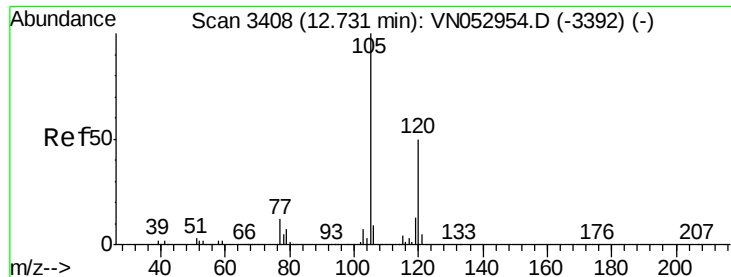
Tgt Ion: 91 Resp: 137188

Ion Ratio Lower Upper

91 100

126 0.7 17.4 52.3#

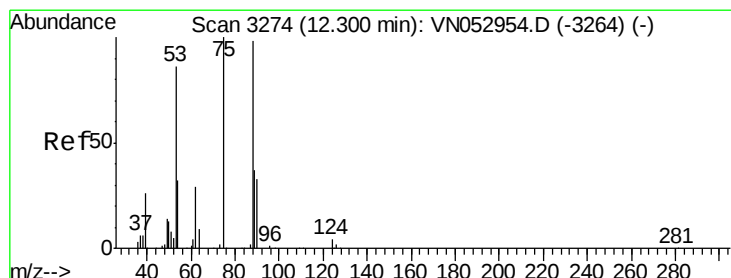
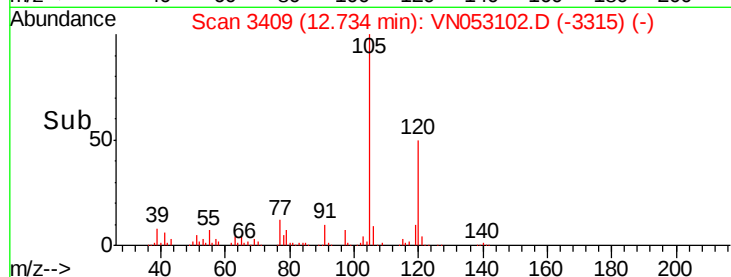
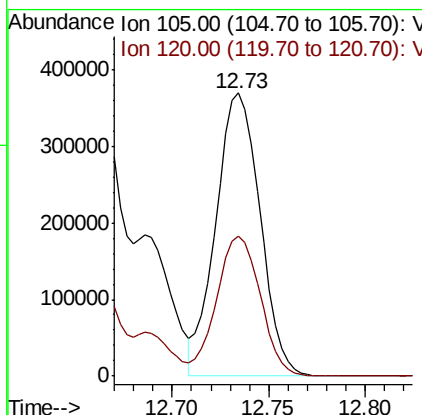
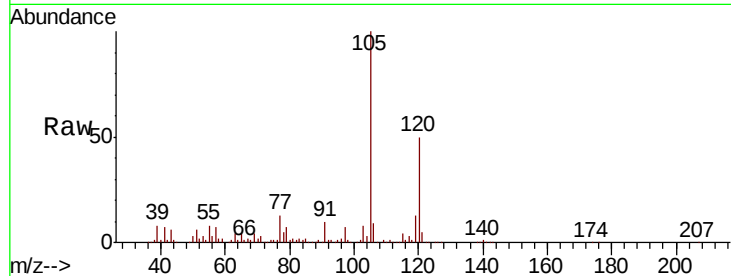




#80
 1,3,5-Trimethylbenzene
 Concen: 12.379 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

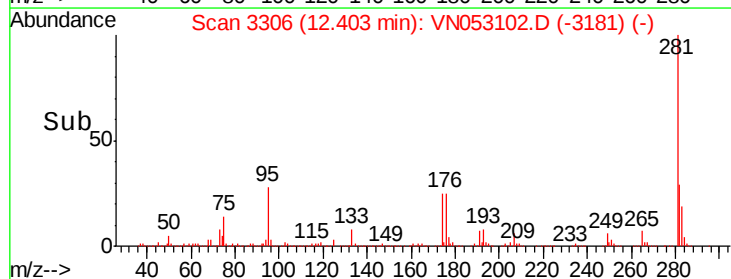
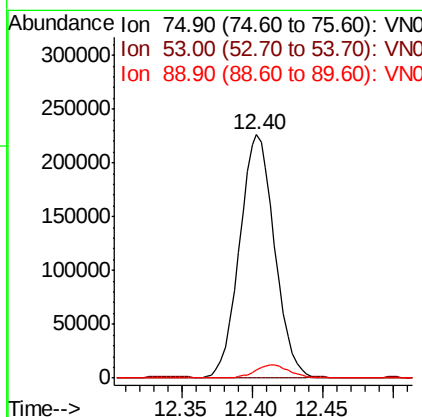
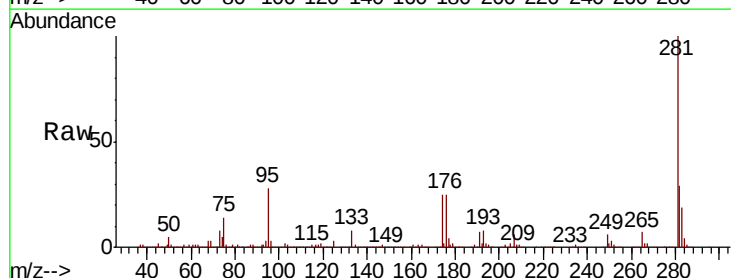
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

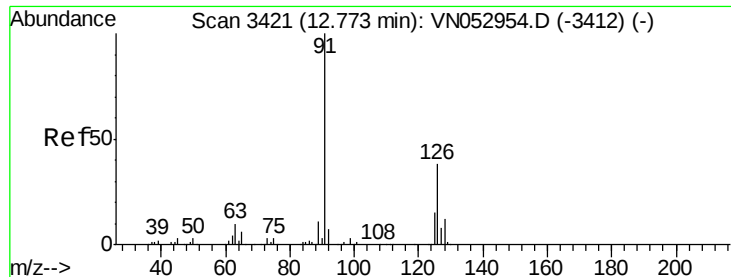
Tot Ion:105 Resp: 587188
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.116 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion: 75 Resp: 392810
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 5.3 36.1 54.1#





#82

4-Chlorotoluene

Concen: 1.228 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

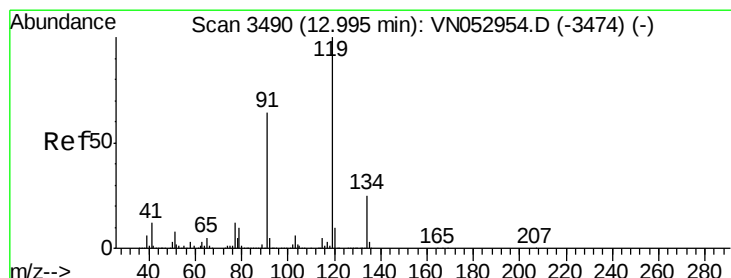
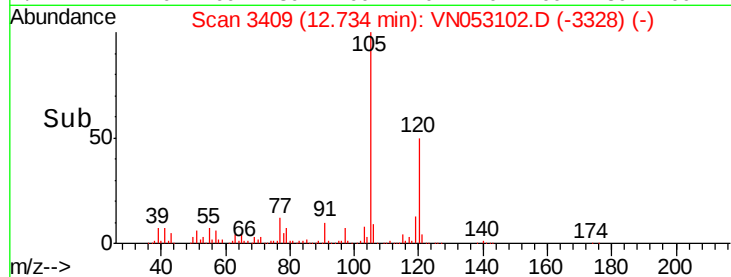
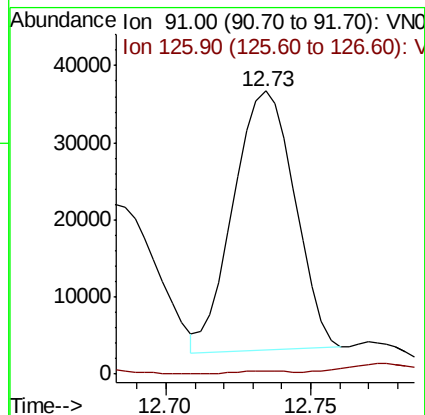
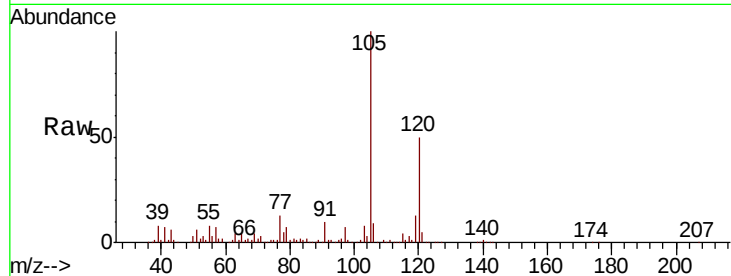
P001-SD014-0006-01ME

Tot Ion: 91 Resp: 49381

Ion Ratio Lower Upper

91 100

126 1.0 17.3 51.7#



#83

tert-Butylbenzene

Concen: 0.250 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

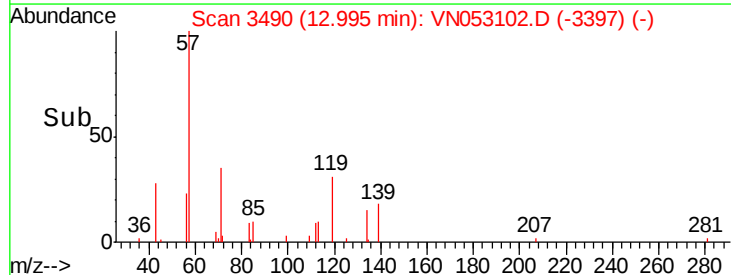
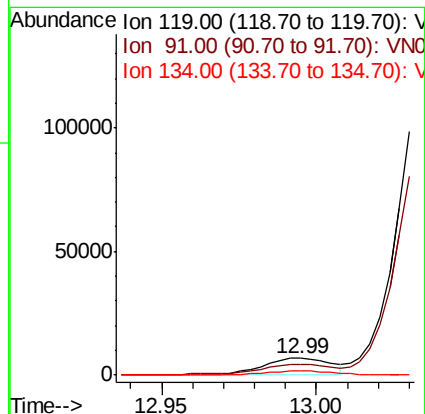
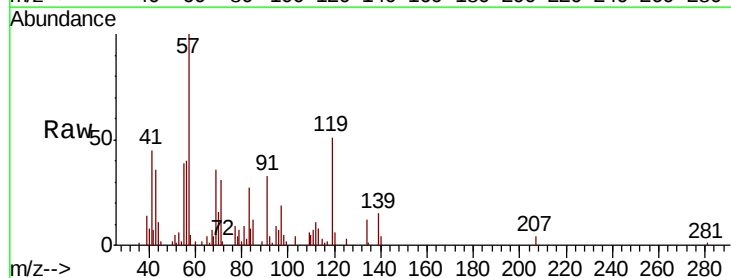
Tgt Ion: 119 Resp: 10475

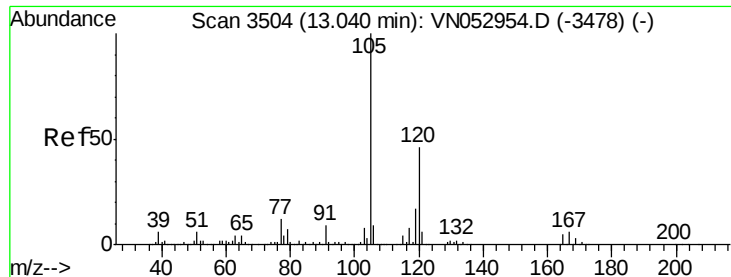
Ion Ratio Lower Upper

119 100

91 0.0 31.9 95.5#

134 25.0 12.8 38.4

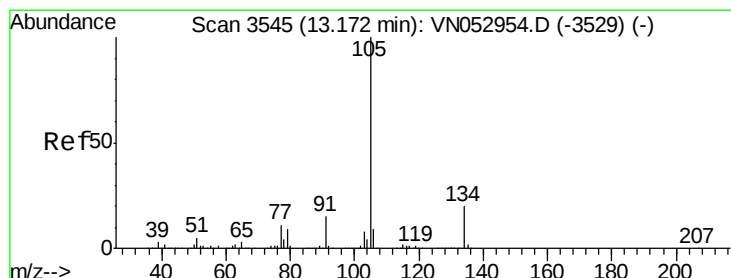
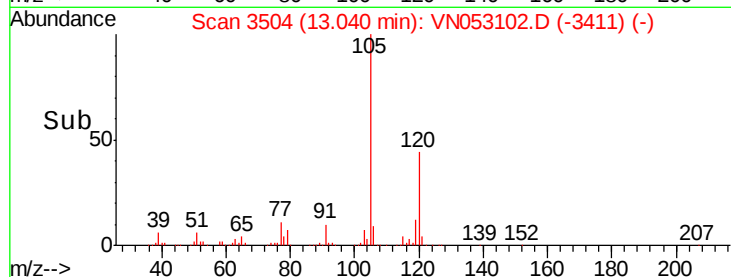
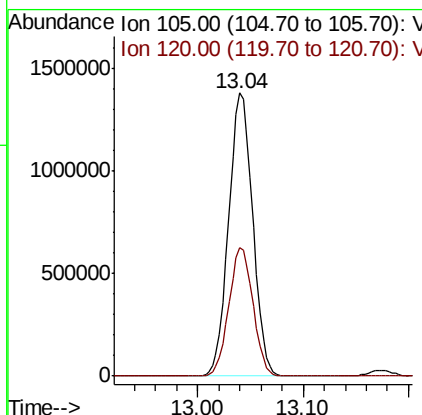
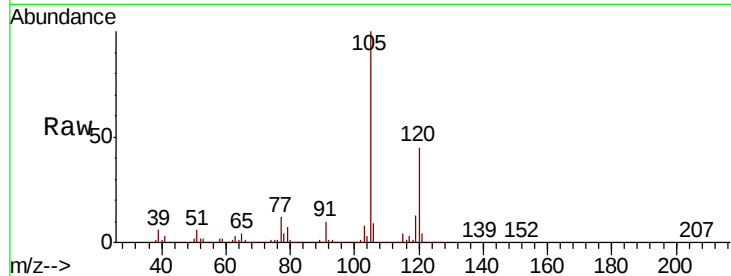




#84
 1,2,4-Trimethylbenzene
 Concen: 45.566 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

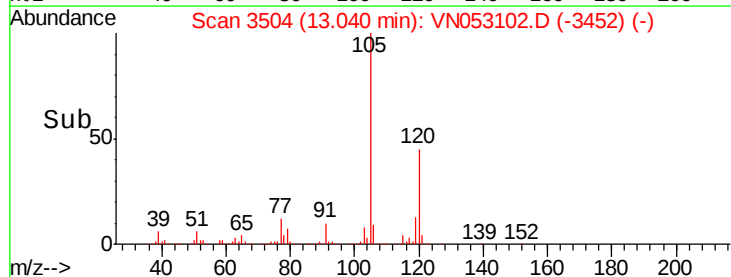
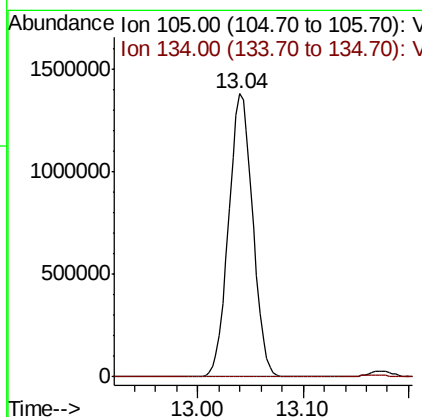
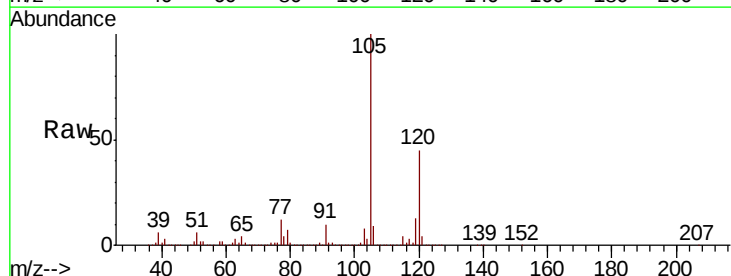
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

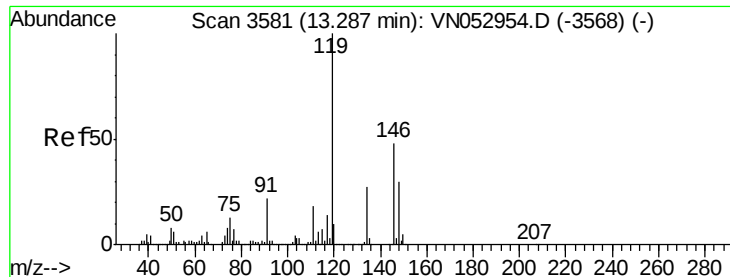
Tot Ion:105 Resp: 2172823
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 38.292 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion:105 Resp: 2172823
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#

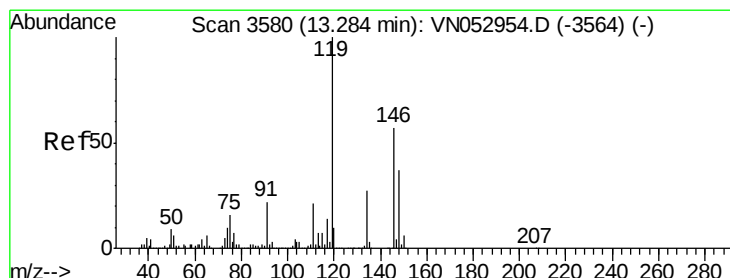
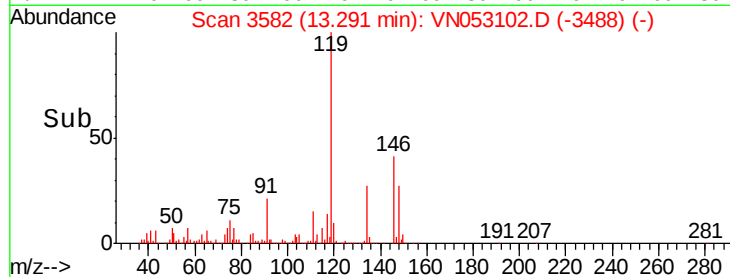
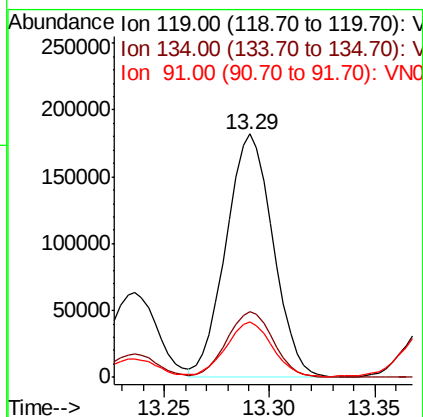
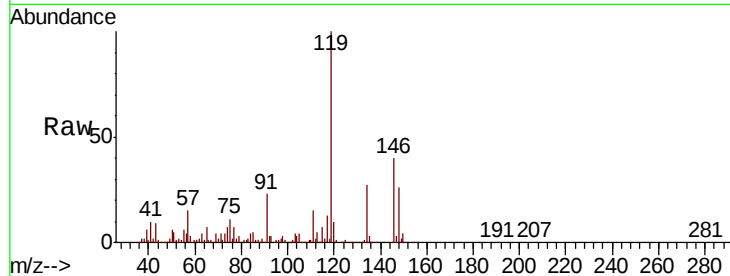




#86
 p-Isopropyltoluene
 Concen: 5.728 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

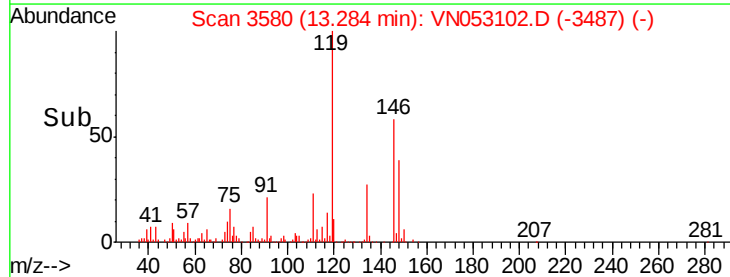
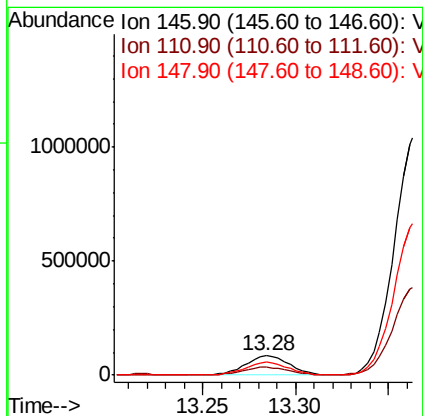
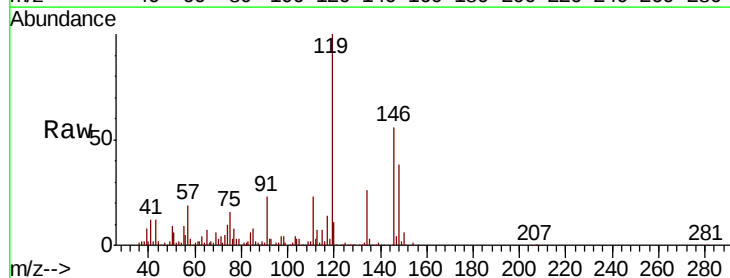
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

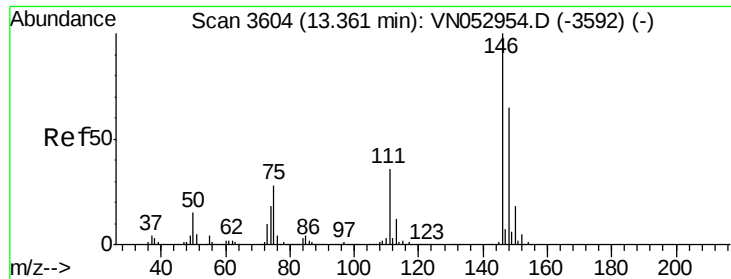
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	22.0	11.1	33.3



#87
 1,3-Dichlorobenzene
 Concen: 5.171 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.8	32.0	96.0

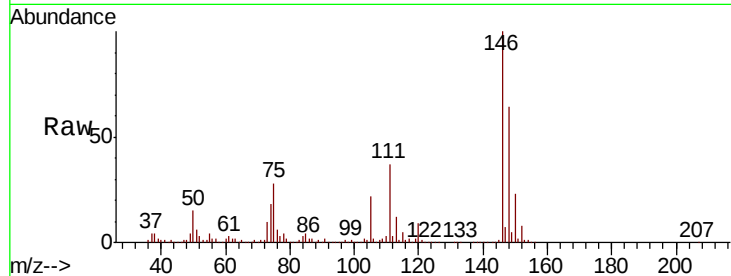




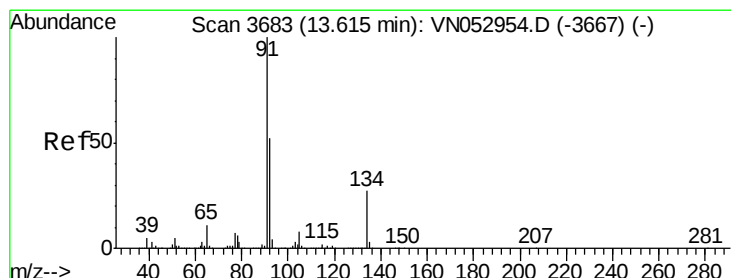
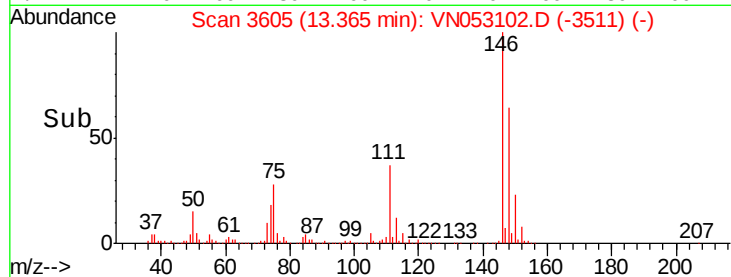
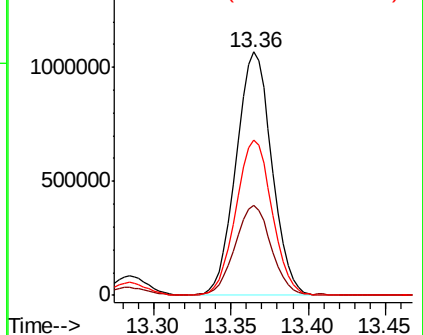
#88
 1,4-Dichlorobenzene
 Concen: 63.086 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

Tot Ion:146 Resp: 1710473
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 64.5 32.1 96.5

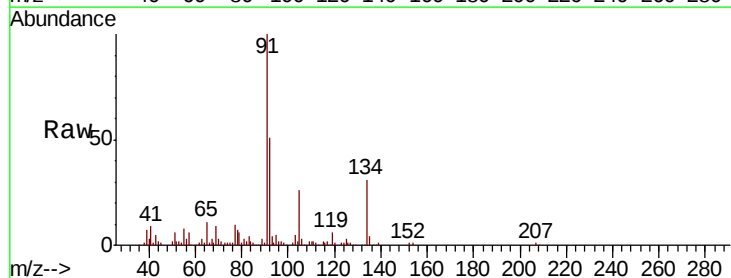


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

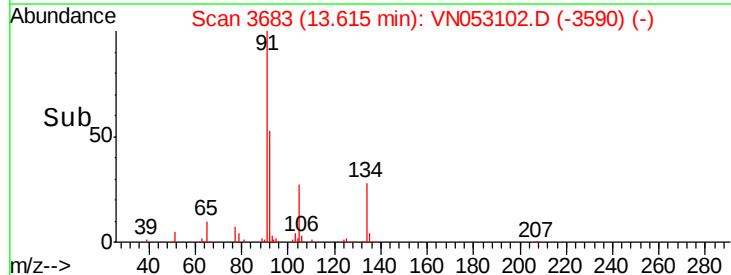
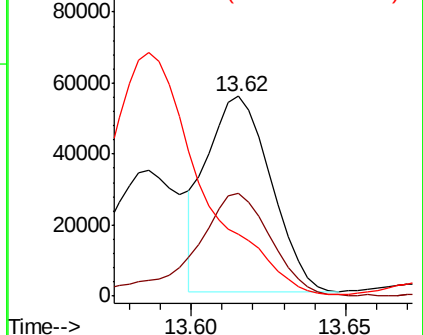


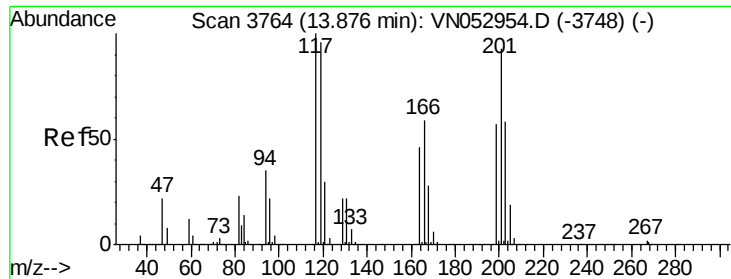
#89
 n-Butylbenzene
 Concen: 1.868 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion: 91 Resp: 78802
 Ion Ratio Lower Upper
 91 100
 92 62.9 26.3 78.9
 134 0.0 13.3 39.8#



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





#90

Hexachloroethane

Concen: 3.742 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

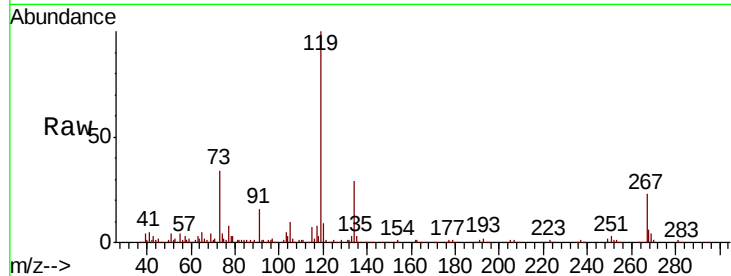
P001-SD014-0006-01ME

Tot Ion:117 Resp: 28154

Ion Ratio Lower Upper

117 100

201 0.3 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

20000

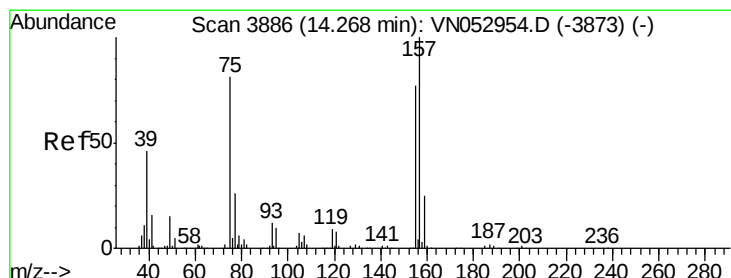
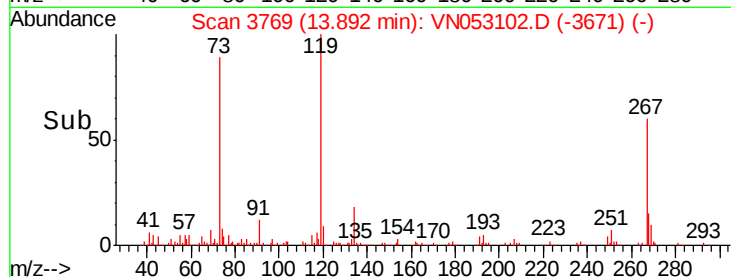
15000

10000

5000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.359 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

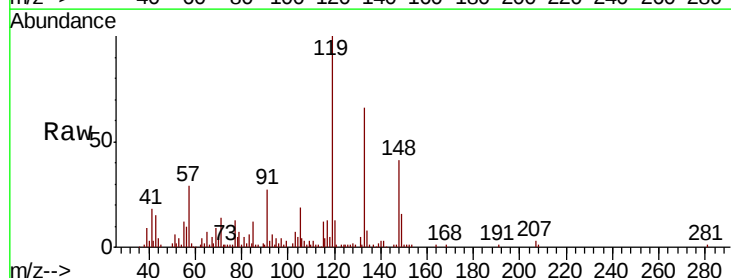
Tgt Ion: 75 Resp: 709

Ion Ratio Lower Upper

75 100

155 8.9 48.2 144.6#

157 0.0 61.2 183.5#



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

800

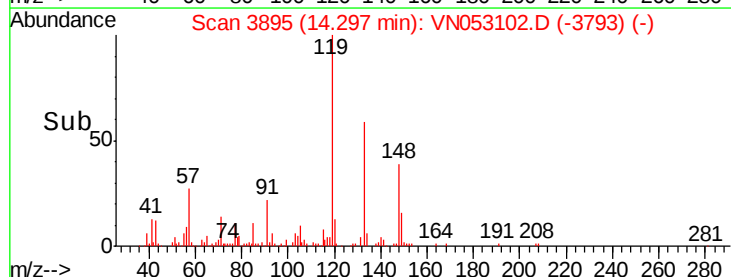
600

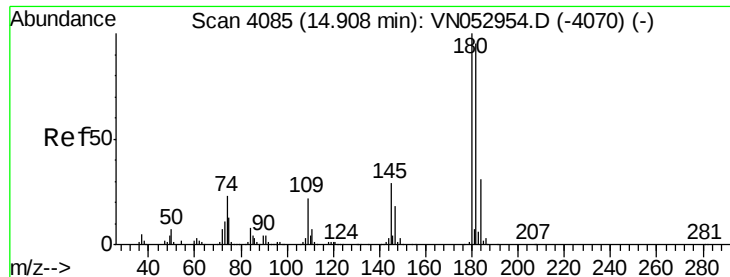
400

200

0

Time-->

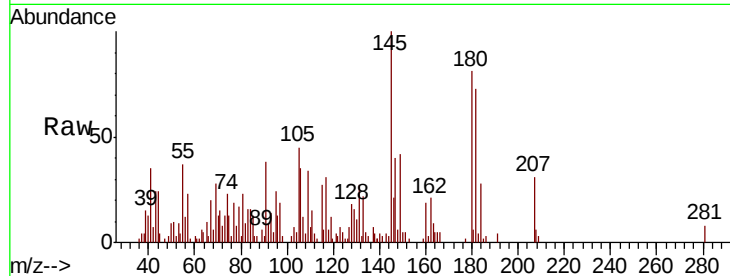




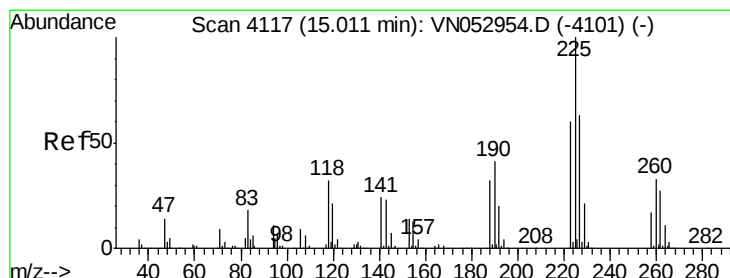
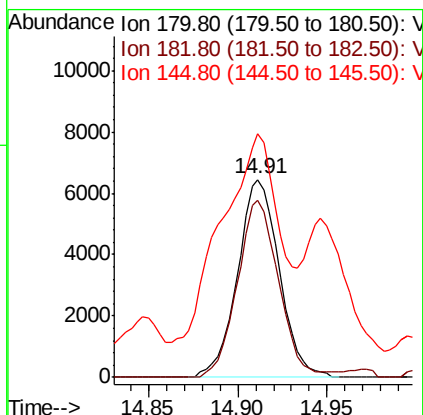
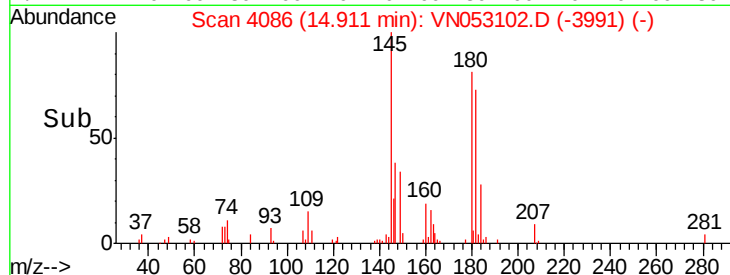
#93
 1,2,4-Trichlorobenzene
 Concen: 1.373 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD014-0006-01ME

Tot Ion:180 Resp: 10498
 Ion Ratio Lower Upper
 180 100
 182 88.4 47.8 143.3
 145 183.8 14.2 42.6#

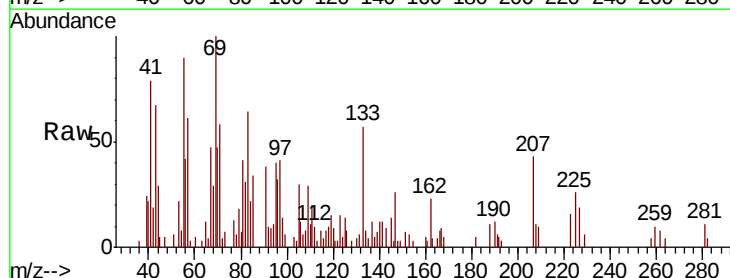


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

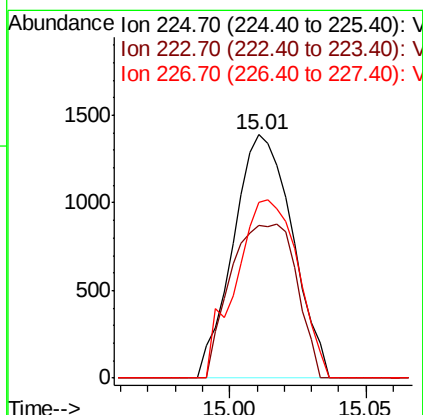
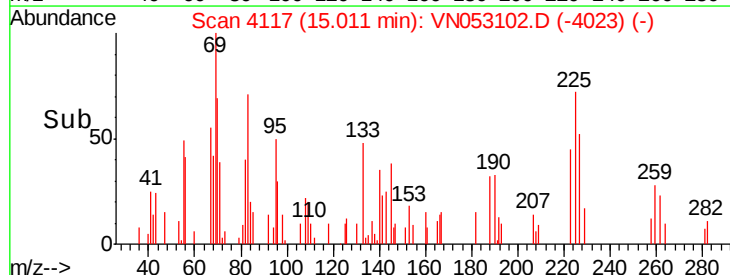


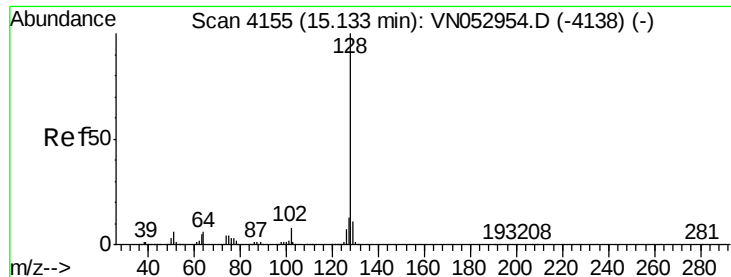
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053102.D
 Acq: 21 Dec 2018 15:18

Tgt Ion:225 Resp: 2090
 Ion Ratio Lower Upper
 225 100
 223 70.6 31.5 94.5
 227 76.9 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 14.901 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD014-0006-01ME

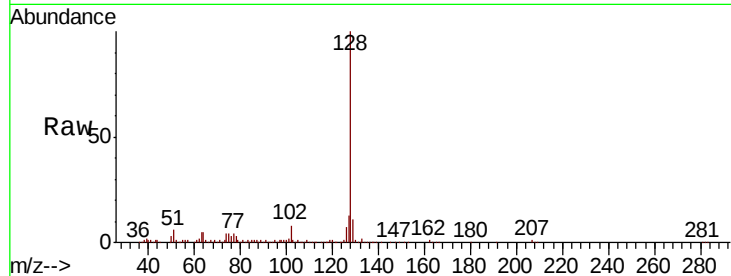
Tot Ion:128 Resp: 411676

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

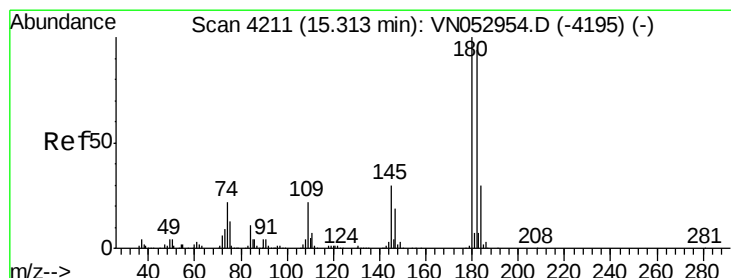
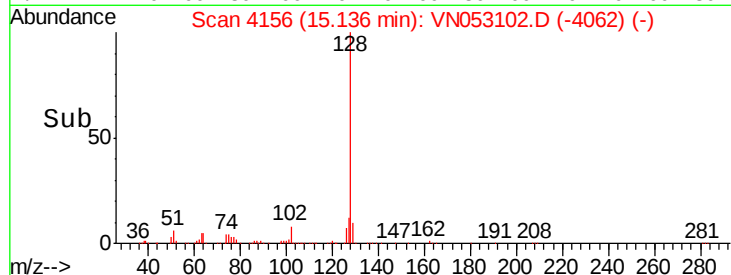
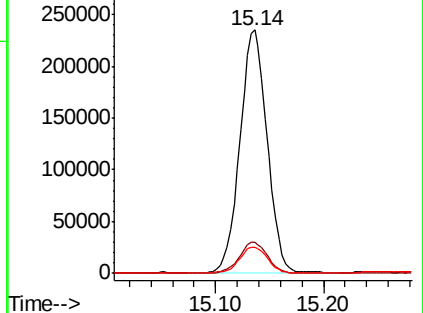
129 10.9 8.6 13.0



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: 1.312 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053102.D

Acq: 21 Dec 2018 15:18

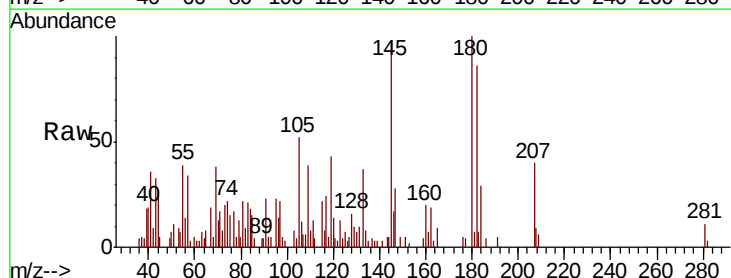
Tgt Ion:180 Resp: 9769

Ion Ratio Lower Upper

180 100

182 107.7 47.9 143.7

145 212.1 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

