

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053018.D
 Acq On : 19 Dec 2018 18:23
 Operator : MD\SY
 Sample : J6347-14ME
 Misc : 4.62µL/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0006-01ME

Quant Time: Dec 20 05:23:08 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	1196220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1803334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1590621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	705111	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	561334	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	7.59	113	428894	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	10.09	98	2215663	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	724872	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.59	41	318735	18.048	ug/l #	56
15) Acrylonitrile	5.05	53	39702	9.648	ug/l #	32
16) Acetone	3.82	43	5804	2.439	ug/l	93
18) Methyl Acetate	4.33	43	34664	4.137	ug/l	96
20) Methylene Chloride	4.55	84	3350	0.258	ug/l #	34
25) 2-Butanone	6.82	43	8955	2.242	ug/l #	49
26) 2,2-Dichloropropane	6.62	77	10425	0.610	ug/l #	51
29) Tetrahydrofuran	7.22	42	2708	0.908	ug/l #	60
31) Cyclohexane	7.65	56	187490	8.042	ug/l #	94
36) 1,1-Dichloropropene	7.66	75	79594	4.598	ug/l #	50
37) Ethyl Acetate	6.82	43	8955	0.927	ug/l #	70
38) Carbon Tetrachloride	7.66	117	102241	6.444	ug/l #	15
39) Methylcyclohexane	9.08	83	455223	21.650	ug/l	99
43) Isopropyl Acetate	8.15	43	44311	1.353	ug/l #	53
45) 1,2-Dichloropropane	9.08	63	3695	0.276	ug/l #	1
48) Methyl methacrylate	9.27	41	10657	1.137	ug/l #	39
51) 4-Methyl-2-Pentanone	10.09	43	16447	1.758	ug/l #	6
52) Toluene	10.16	92	37495	1.175	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	38897	3.494	ug/l #	19
56) Ethyl methacrylate	10.43	69	13382	0.908	ug/l #	17
59) 2-Hexanone	10.72	43	74403	11.752	ug/l #	29
65) Chlorobenzene	11.43	112	503126	14.269	ug/l	99
68) m/p-Xylenes	11.61	106	15197405	659.276	ug/l #	1
69) o-Xylene	11.95	106	36713	1.660	ug/l	94
71) Bromoform	12.40	173	4654	0.525	ug/l #	1
73) Isopropylbenzene	12.25	105	265718	4.816	ug/l	100
74) N-amyl acetate	12.04	43	50811	3.317	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	16044	1.482	ug/l #	68
76) 1,2,3-Trichloropropane	12.40	75	365573	30.799	ug/l #	100
78) n-propylbenzene	12.59	91	484121	7.705	ug/l	100
79) 2-Chlorotoluene	12.65	91	139123	3.572	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	649763	14.450	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	365573	99.267	ug/l #	14
82) 4-Chlorotoluene	12.73	91	65347	1.714	ug/l #	41

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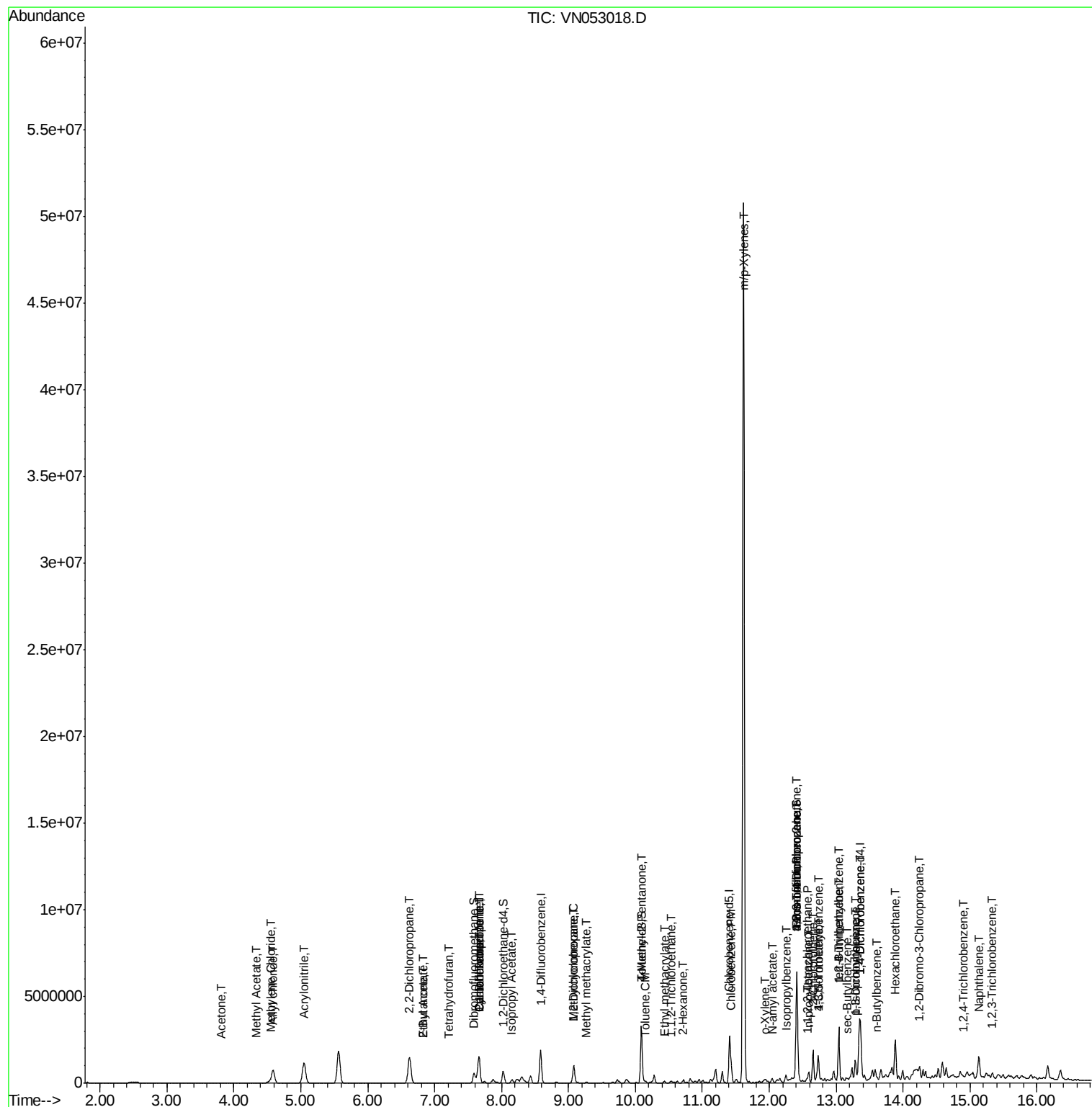
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	219919	5.530	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	1787975	39.553	ug/l	100
85) sec-Butylbenzene	13.17	105	57974	1.078	ug/l #	62
86) p-Isopropyltoluene	13.29	119	410839	8.839	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	97917	3.858	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	975276	37.943	ug/l	98
89) n-Butylbenzene	13.62	91	74679	1.868	ug/l #	72
90) Hexachloroethane	13.89	117	35749	5.012	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2625	1.403	ug/l #	31
93) 1,2,4-Trichlorobenzene	14.91	180	2400	0.783	ug/l #	1
95) Naphthalene	15.13	128	999475	36.372	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	681	0.567	ug/l #	1

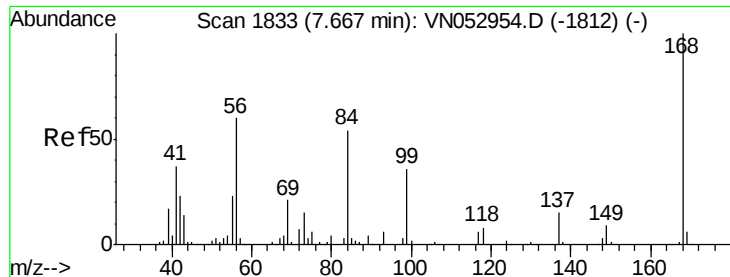
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

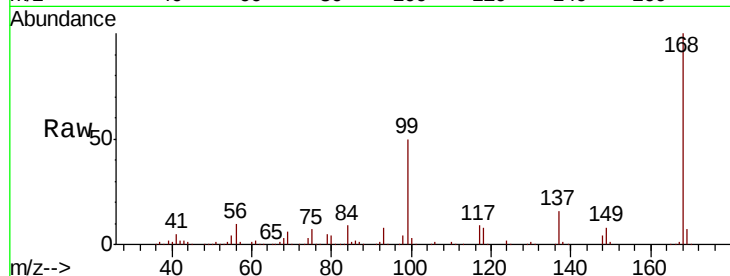
P001-SD013-0006-01ME

Tot Ion:168 Resp: 1196220

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

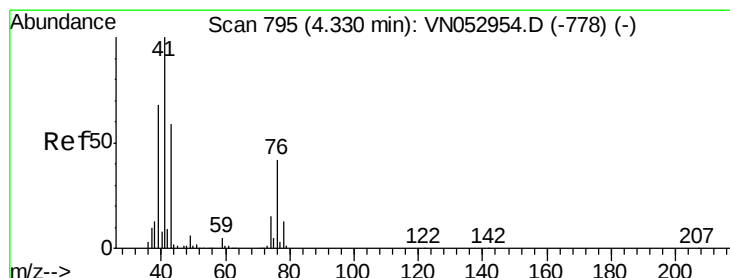
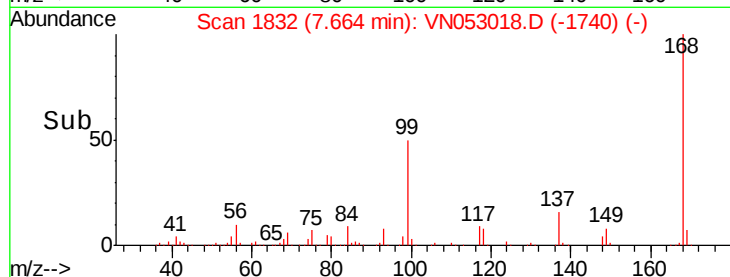
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 18.048 ug/l

RT: 4.59 min Scan# 875

Delta R.T. 0.26 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

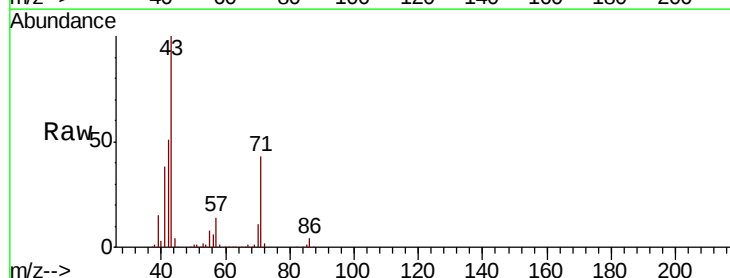
Tgt Ion: 41 Resp: 318735

Ion Ratio Lower Upper

41 100

39 41.1 54.1 81.1#

76 0.0 30.3 45.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

120000

100000

80000

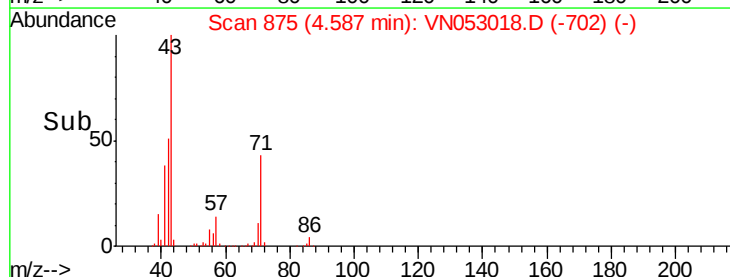
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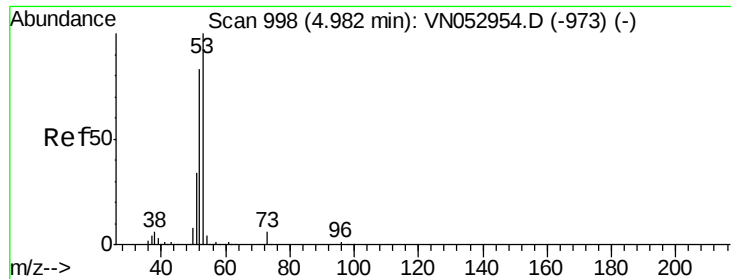
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 9.648 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.07 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0006-01ME

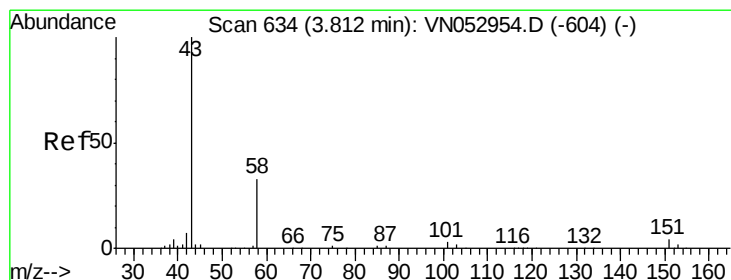
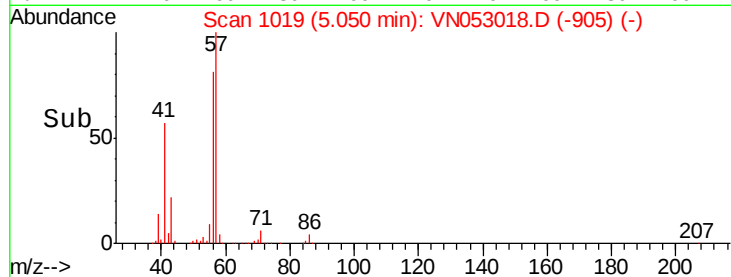
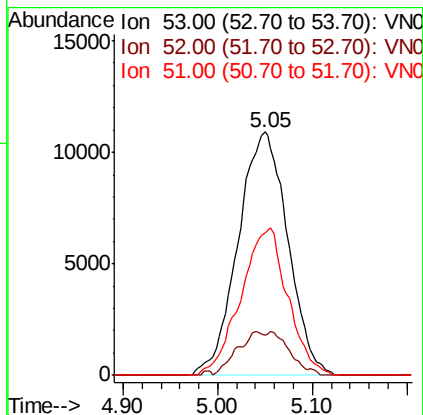
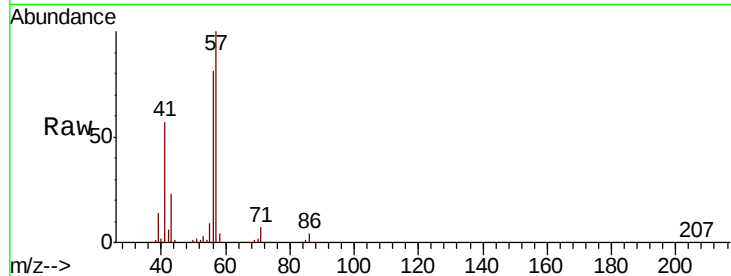
Tot Ion: 53 Resp: 39702

Ion Ratio Lower Upper

53 100

52 9.9 65.1 97.7#

51 57.3 28.1 42.1#



#16

Acetone

Concen: 2.439 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053018.D

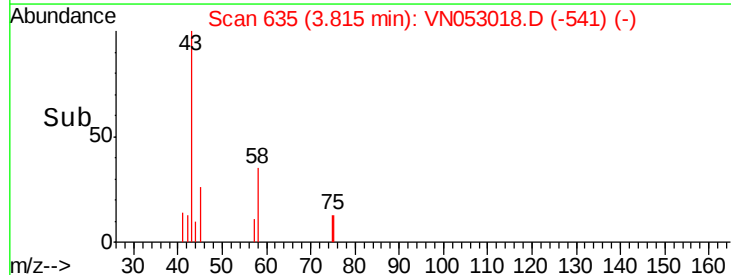
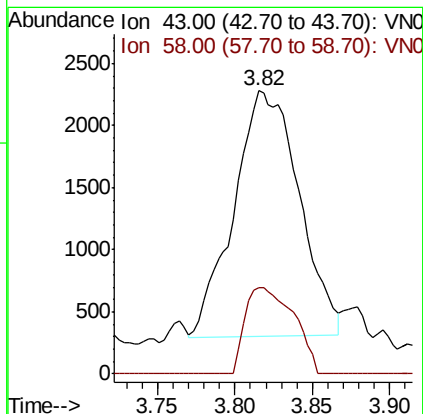
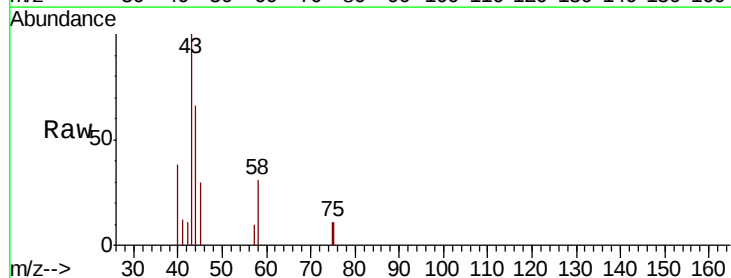
Acq: 19 Dec 2018 18:23

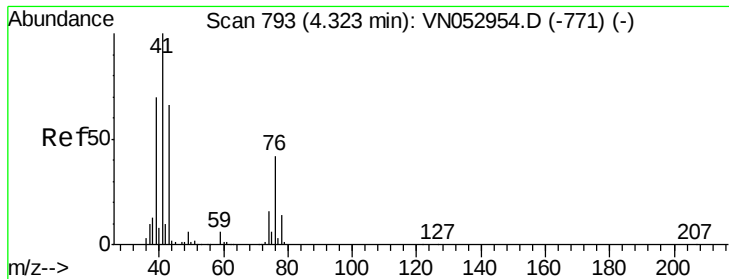
Tgt Ion: 43 Resp: 5804

Ion Ratio Lower Upper

43 100

58 35.4 25.4 38.0

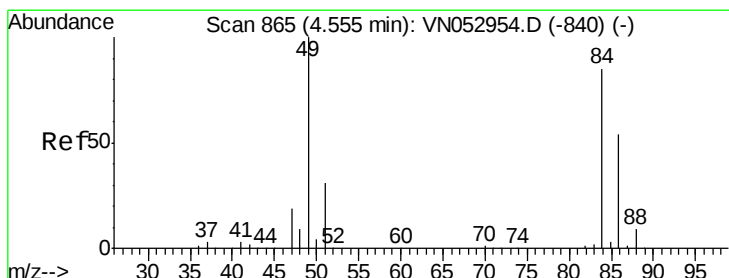
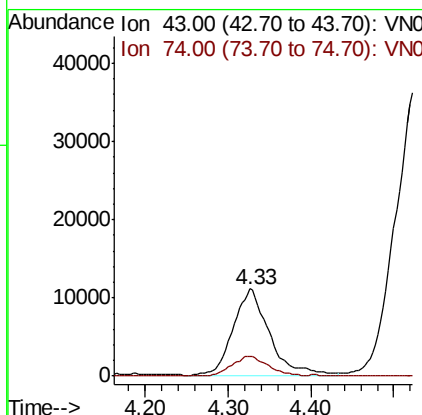
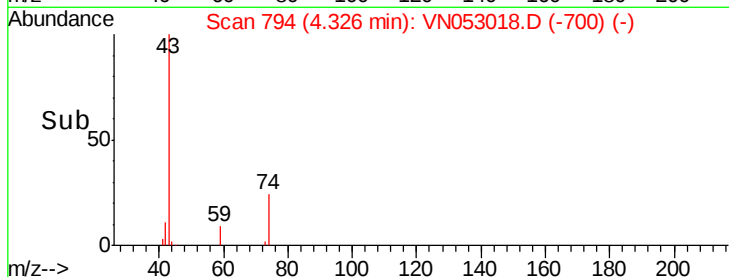
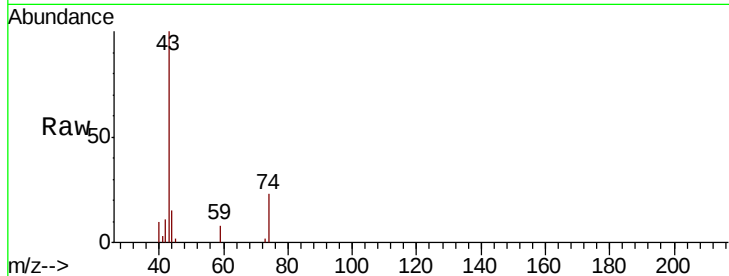




#18
Methyl Acetate
Concen: 4.137 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

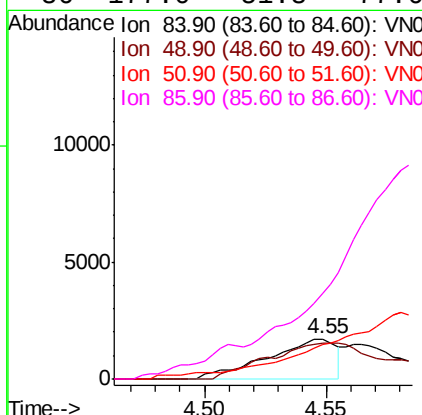
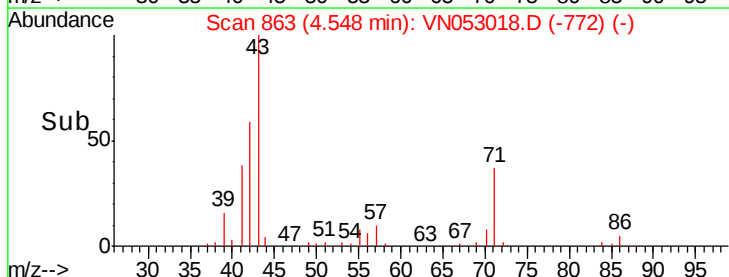
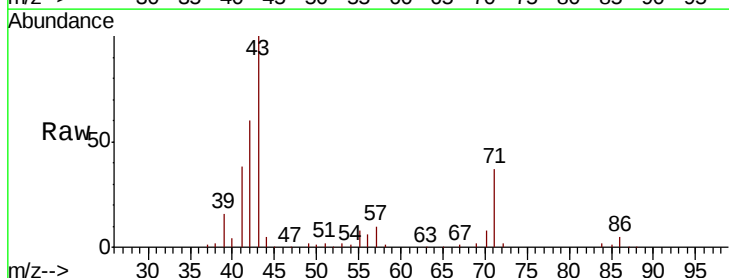
Instrument :
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P001-SD013-0006-01ME

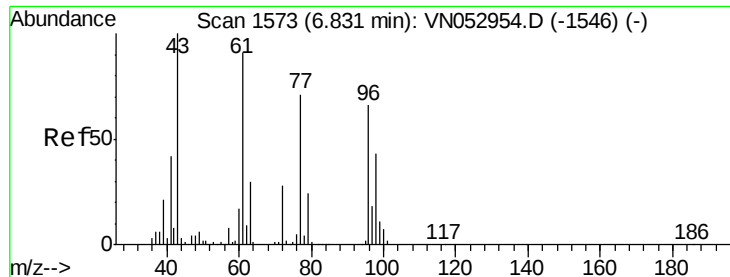
Tot Ion: 43 Resp: 34664
Ion Ratio Lower Upper
43 100
74 22.1 19.2 28.8



#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Tgt Ion: 84 Resp: 3350
Ion Ratio Lower Upper
84 100
49 89.0 96.8 145.2#
51 71.3 29.9 44.9#
86 177.0 51.8 77.6#





#25

2-Butanone

Concen: 2.242 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

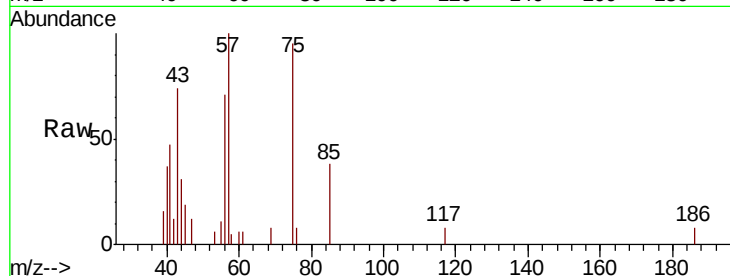
P001-SD013-0006-01ME

Tot Ion: 43 Resp: 8955

Ion Ratio Lower Upper

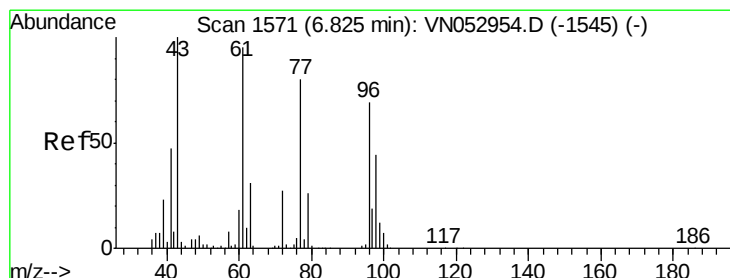
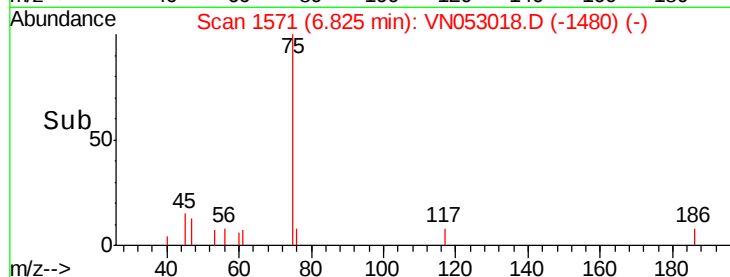
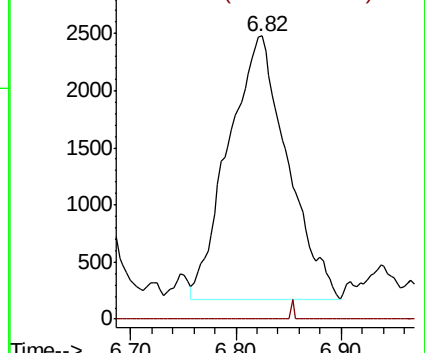
43 100

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



#26

2,2-Dichloropropane

Concen: 0.610 ug/l

RT: 6.62 min Scan# 1508

Delta R.T. -0.20 min

Lab File: VN053018.D

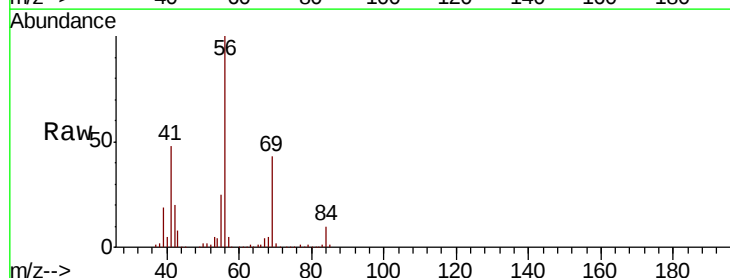
Acq: 19 Dec 2018 18:23

Tgt Ion: 77 Resp: 10425

Ion Ratio Lower Upper

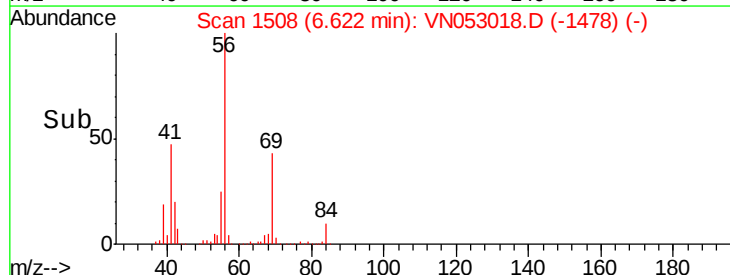
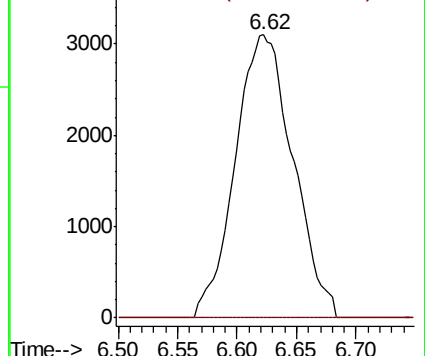
77 100

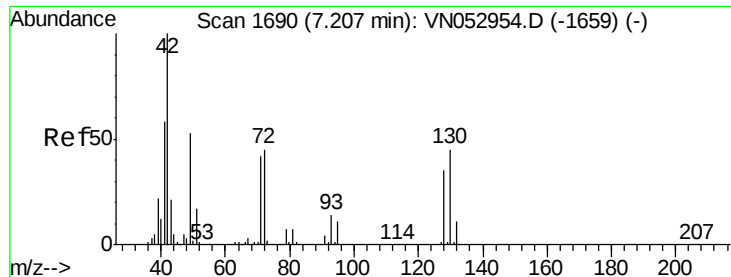
97 0.0 11.9 35.9#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#29

Tetrahydrofuran

Concen: 0.908 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VN053018.D

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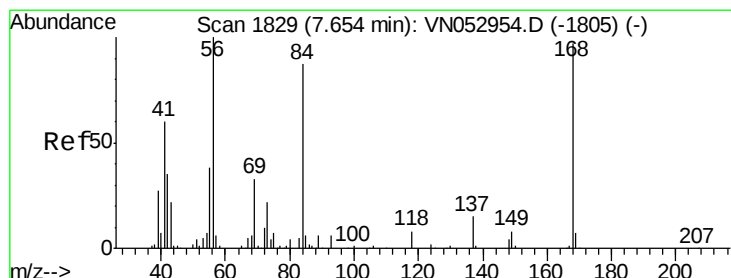
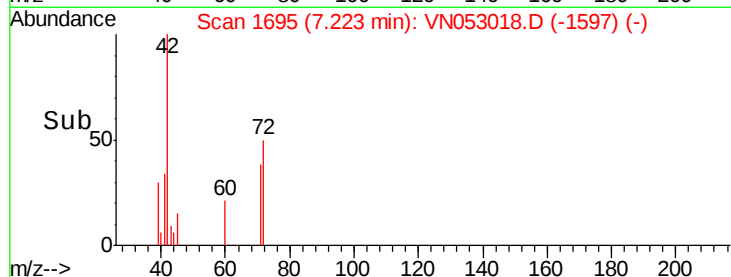
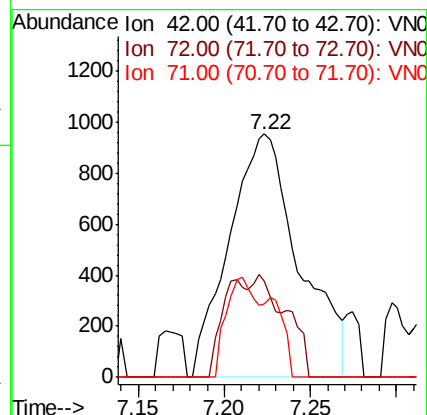
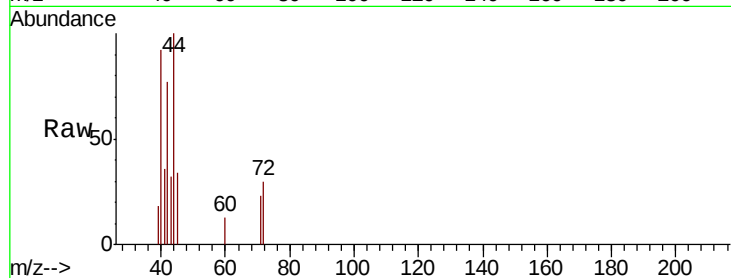
Tot Ion: 42 Resp: 2708

Ion Ratio Lower Upper

42 100

72 15.4 34.7 52.1#

71 17.6 32.3 48.5#



#31

Cyclohexane

Concen: 8.042 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

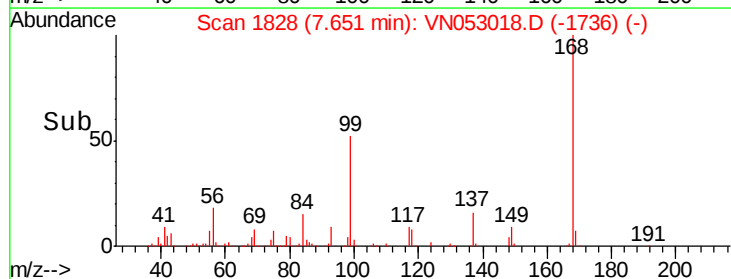
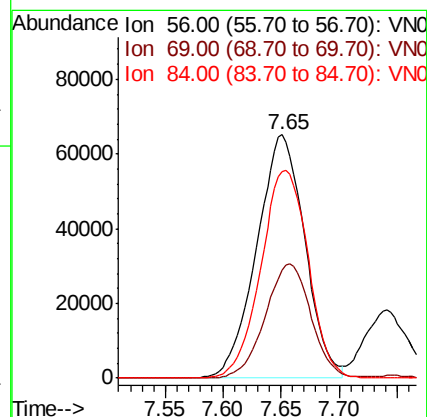
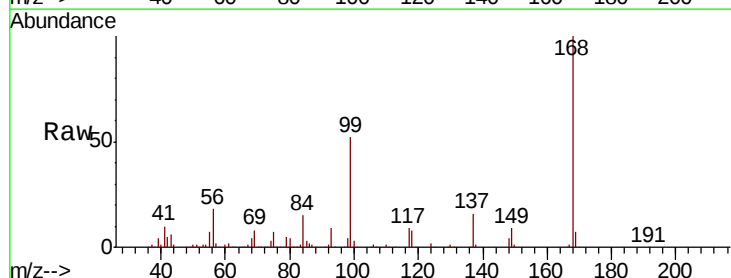
Tgt Ion: 56 Resp: 187490

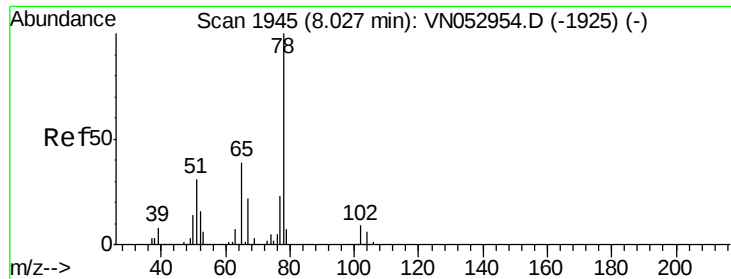
Ion Ratio Lower Upper

56 100

69 44.3 26.6 39.8#

84 84.6 68.4 102.6





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

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ClientSampleId :

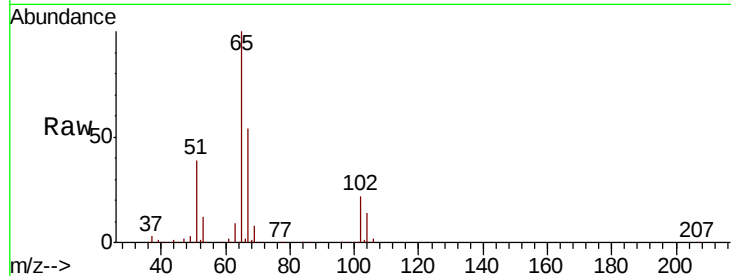
P001-SD013-0006-01ME

Tot Ion: 65 Resp: 561334

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052954.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN052954.D (-1925) (-)

8.02

250000

200000

150000

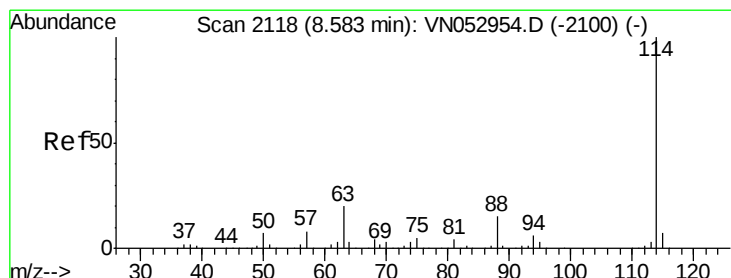
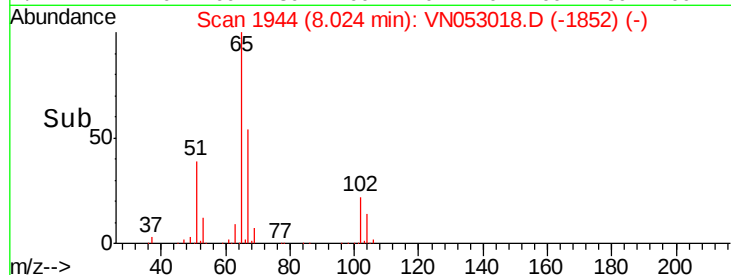
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

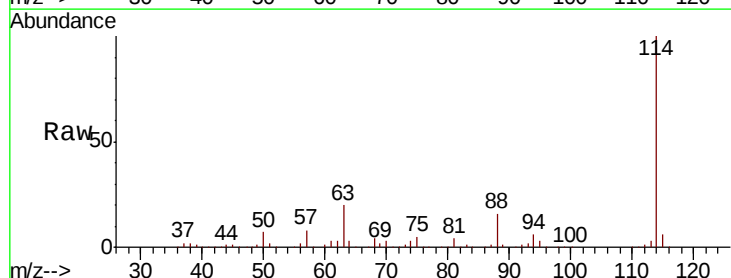
Tgt Ion:114 Resp: 1803334

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN052954.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN052954.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN052954.D (-2100) (-)

8.58

1200000

1000000

800000

600000

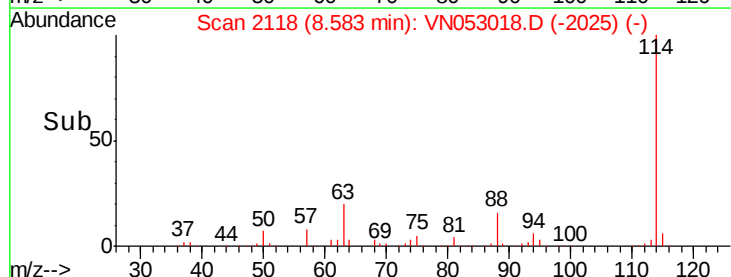
400000

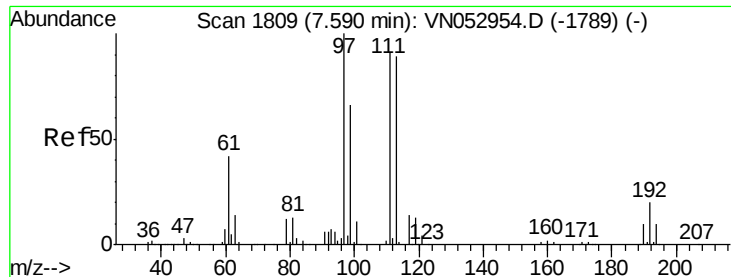
200000

0

8.50 8.60 8.70

Time-->

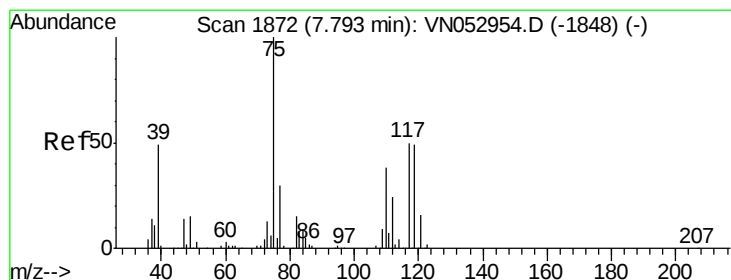
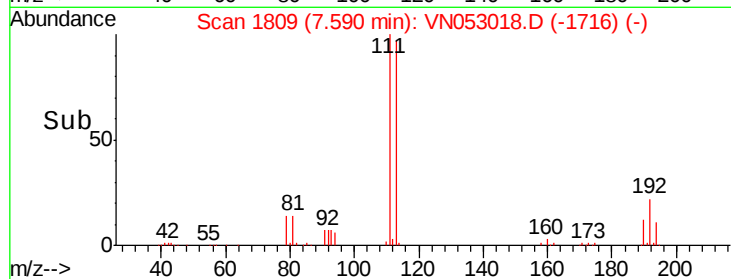
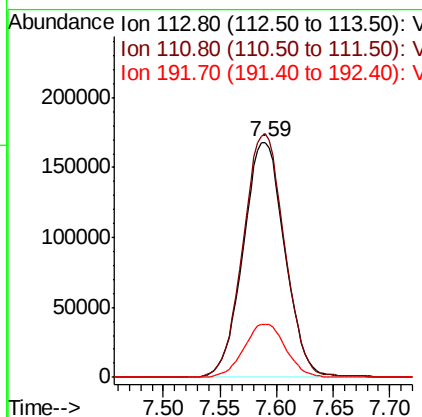
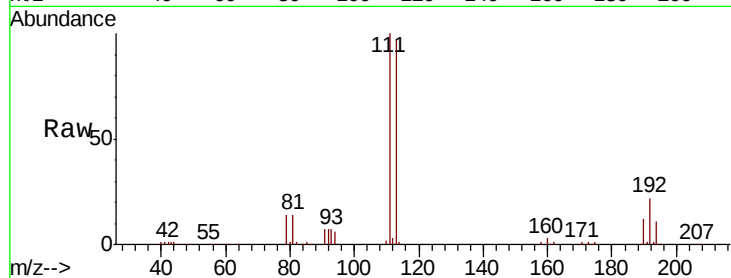




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

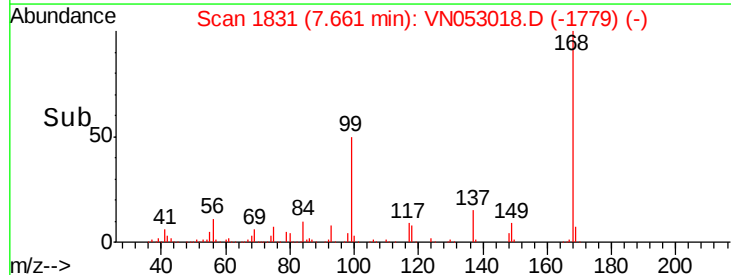
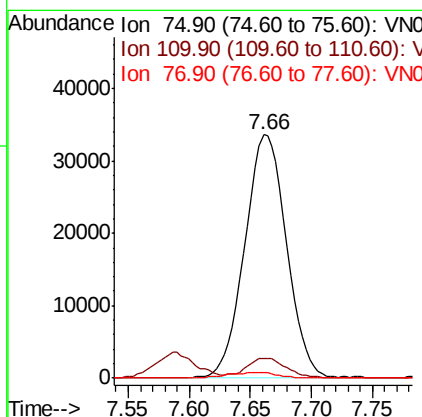
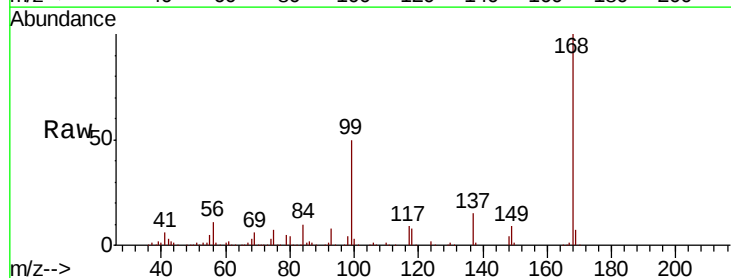
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0006-01ME

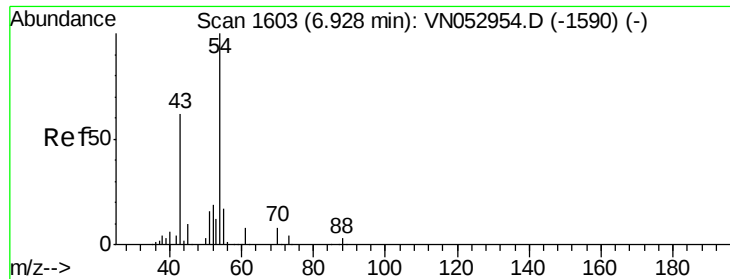
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.4
192	22.8	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.598 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.2	54.6#
77	2.7	24.9	37.3#

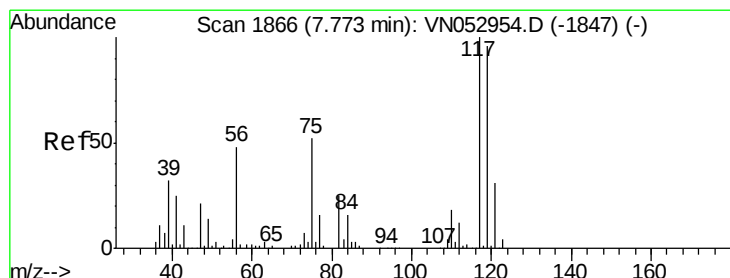
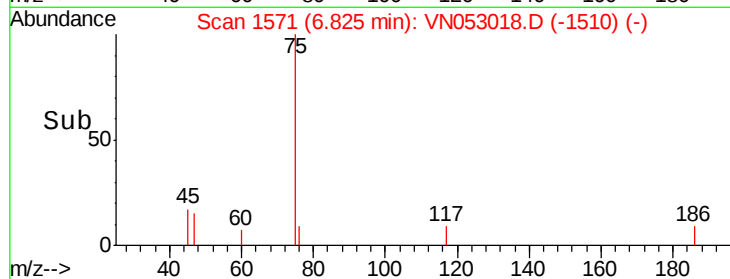
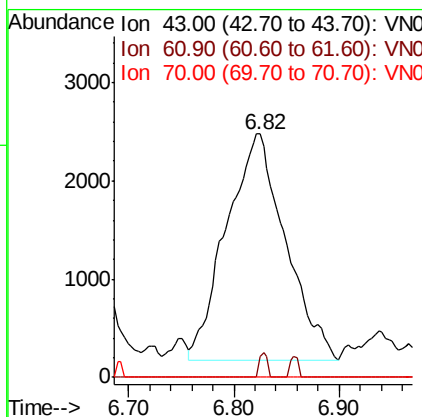
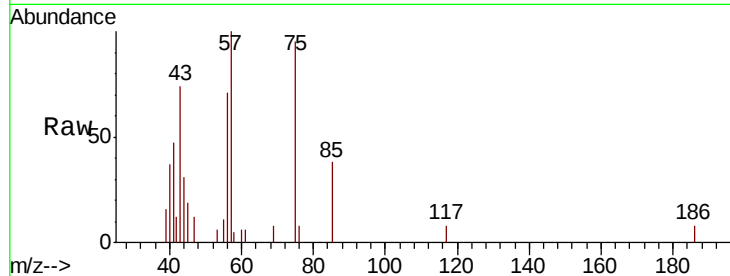




#37
Ethyl Acetate
Concen: 0.927 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.10 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

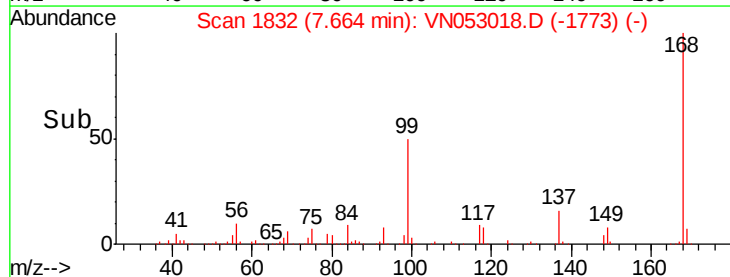
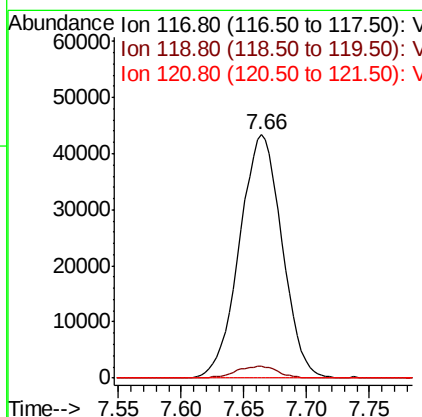
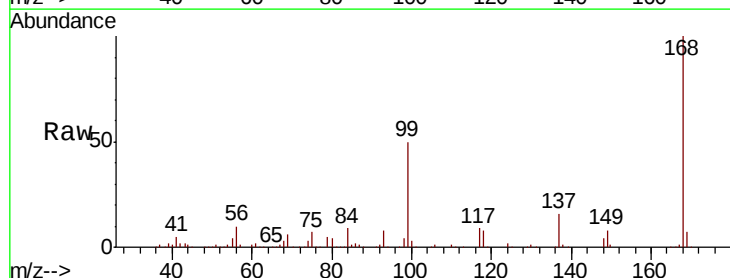
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0006-01ME

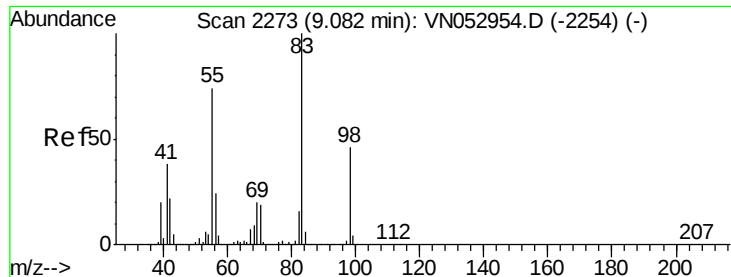
Tot Ion: 43 Resp: 8955
Ion Ratio Lower Upper
43 100
61 1.5 11.8 17.6#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.444 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Tgt Ion: 117 Resp: 102241
Ion Ratio Lower Upper
117 100
119 4.7 77.1 115.7#
121 0.0 24.9 37.3#

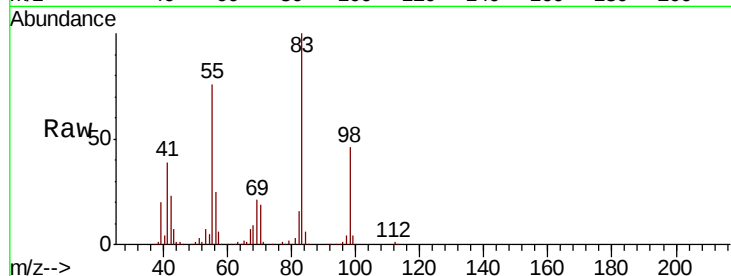




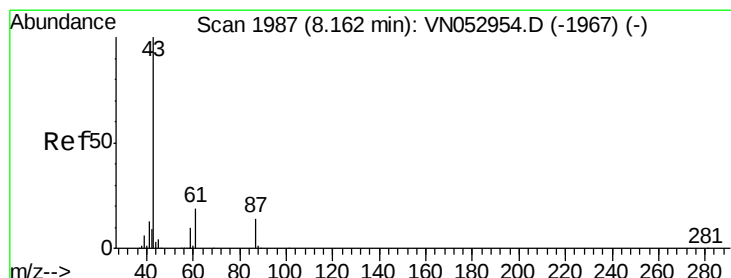
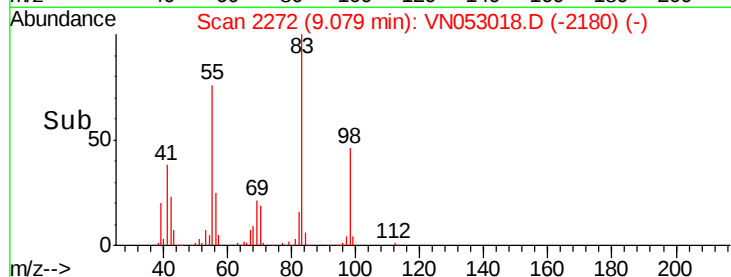
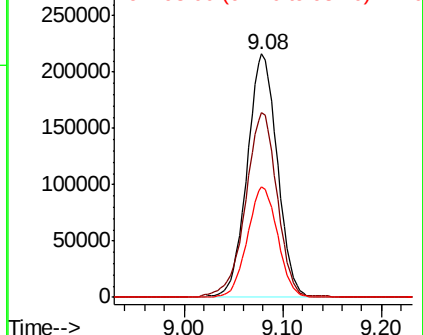
#39
Methvlcvclohexane
Concen: 21.650 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0006-01ME

Tot Ion: 83 Resp: 455223
Ion Ratio Lower Upper
83 100
55 75.9 61.3 91.9
98 45.6 37.0 55.4

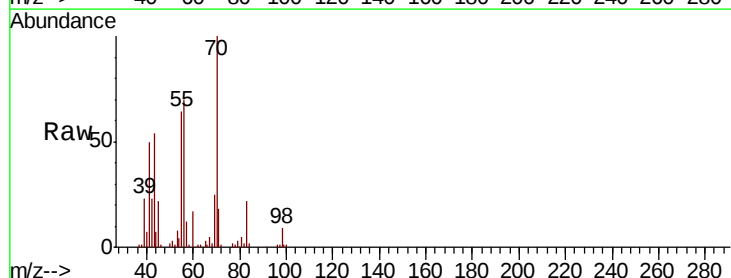


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

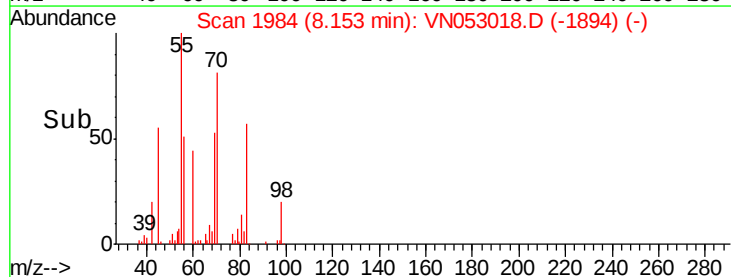
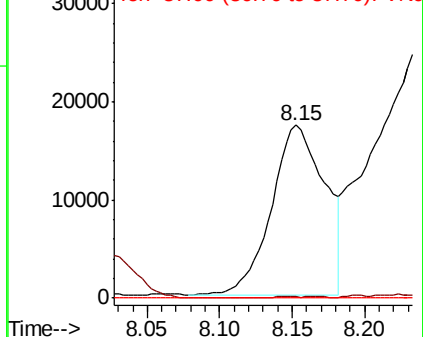


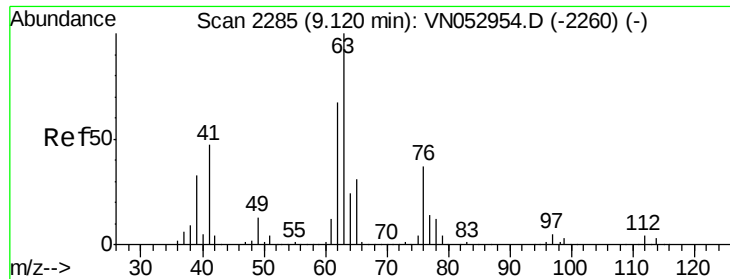
#43
Isopropyl Acetate
Concen: 1.353 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.01 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Tgt Ion: 43 Resp: 44311
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

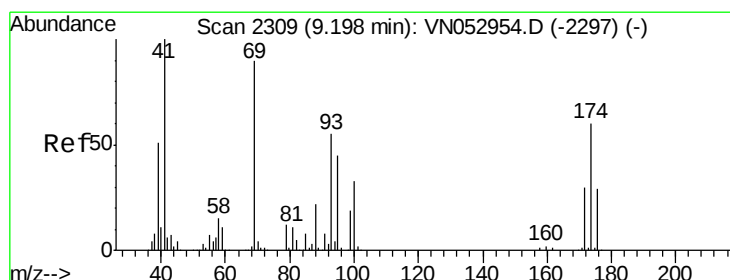
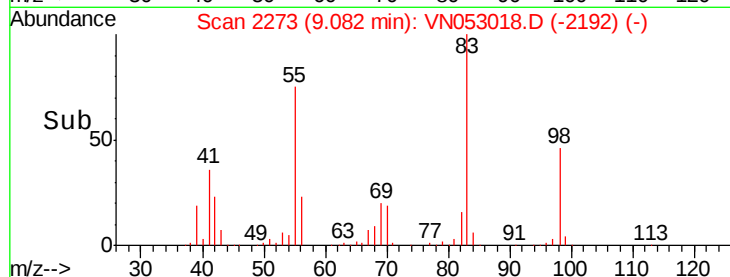
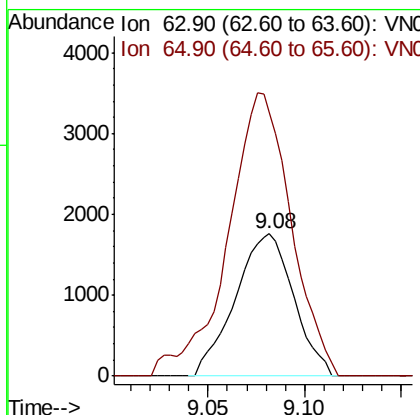
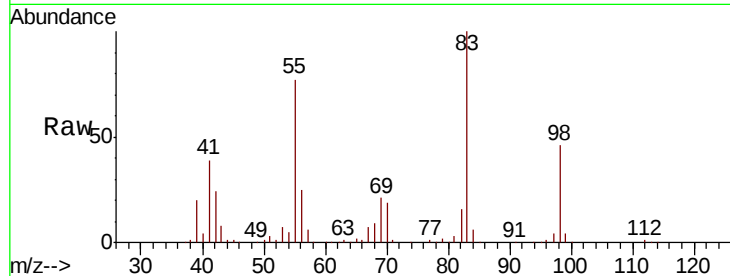




#45
 1,2-Dichloropropane
 Concen: 0.276 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.04 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

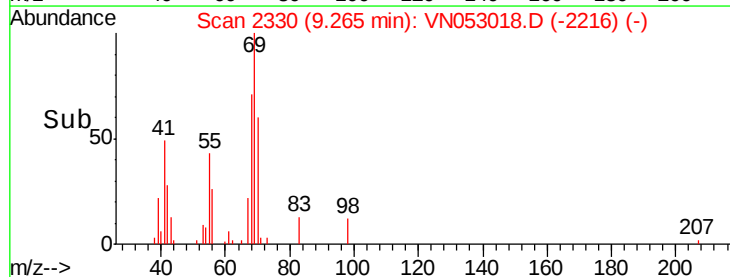
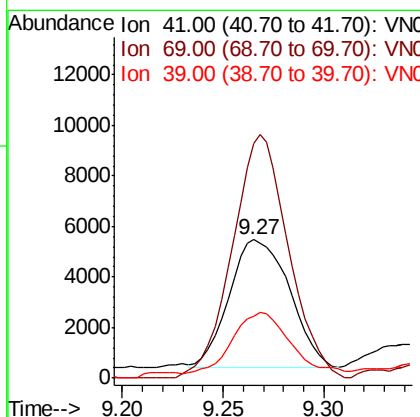
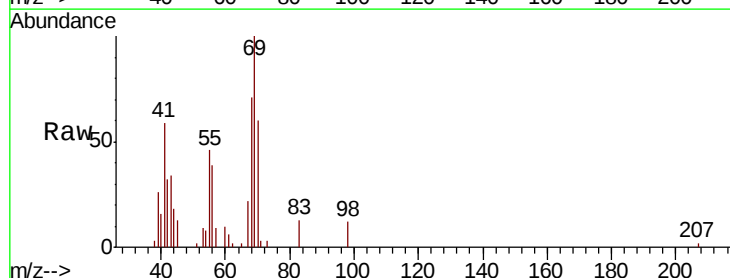
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0006-01ME

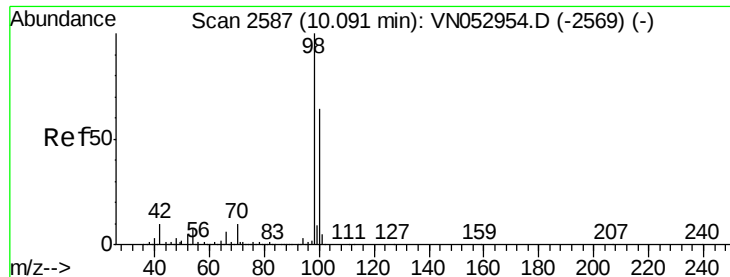
Tot Ion: 63 Resp: 3695
 Ion Ratio Lower Upper
 63 100
 65 185.2 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.137 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.07 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

Tgt Ion: 41 Resp: 10657
 Ion Ratio Lower Upper
 41 100
 69 174.9 72.2 108.2#
 39 44.7 41.9 62.9





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

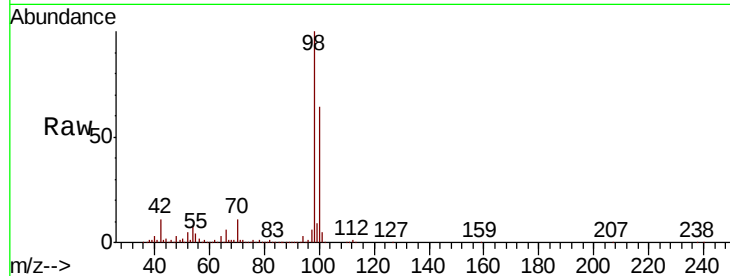
P001-SD013-0006-01ME

Tot Ion: 98 Resp: 2215663

Ion Ratio Lower Upper

98 100

100 64.2 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) (-)

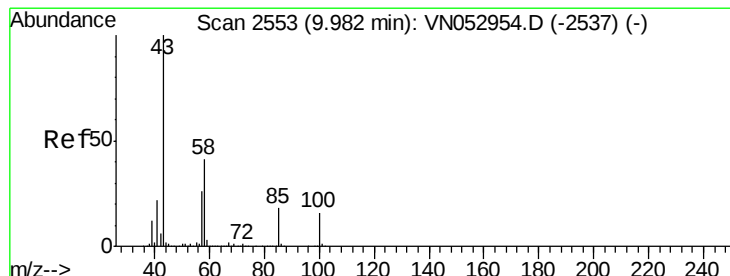
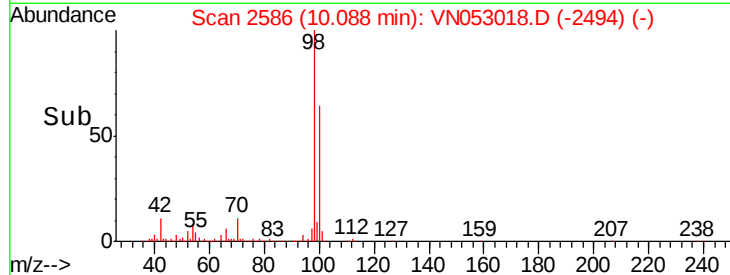
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.758 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN053018.D

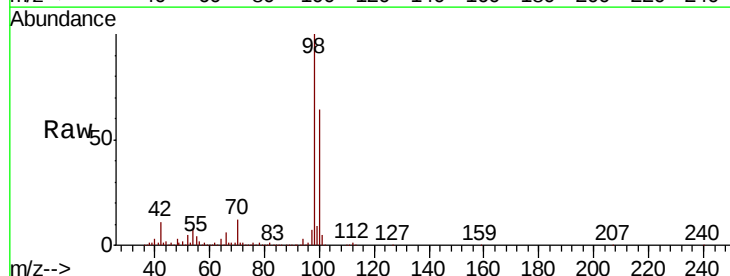
Acq: 19 Dec 2018 18:23

Tgt Ion: 43 Resp: 16447

Ion Ratio Lower Upper

43 100

58 98.8 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

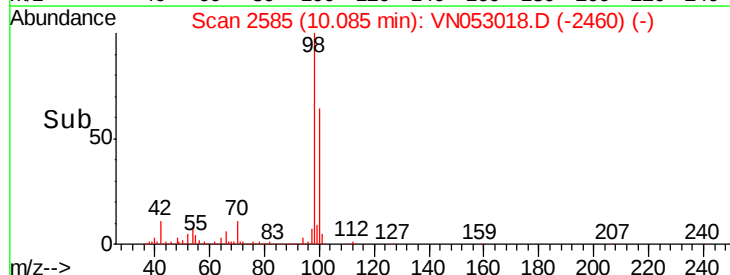
6000

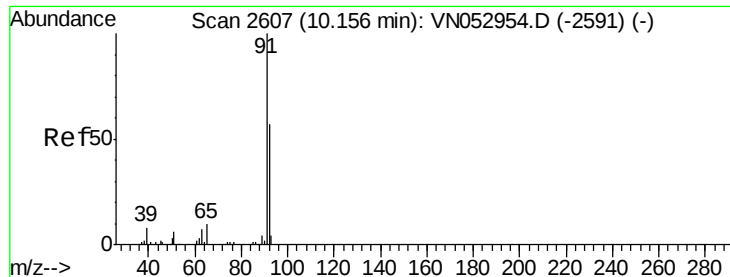
4000

2000

0

Time-->





#52

Toluene

Concen: 1.175 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

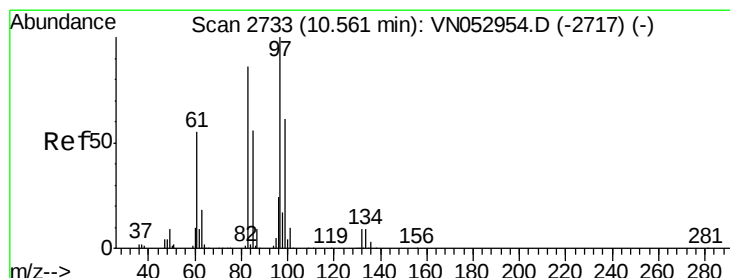
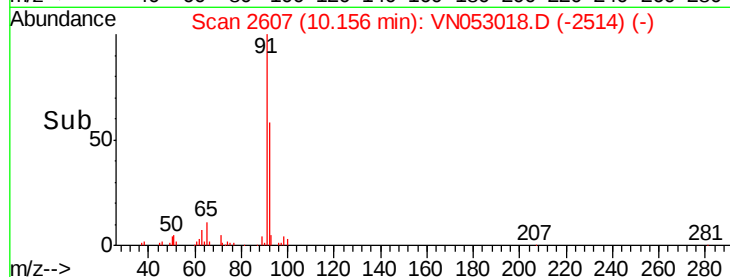
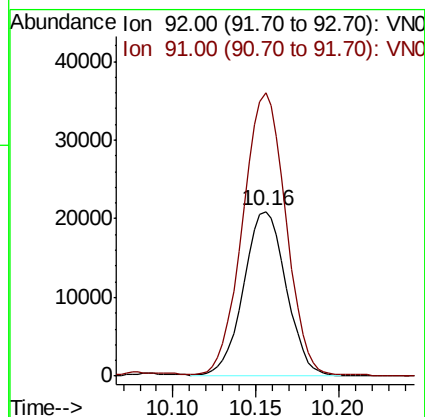
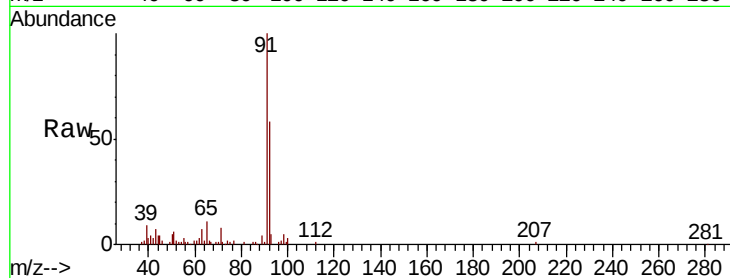
P001-SD013-0006-01ME

Tot Ion: 92 Resp: 37495

Ion Ratio Lower Upper

92 100

91 171.0 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 3.494 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Tgt Ion: 97 Resp: 38897

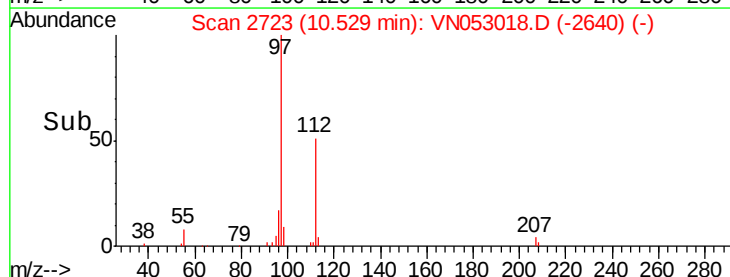
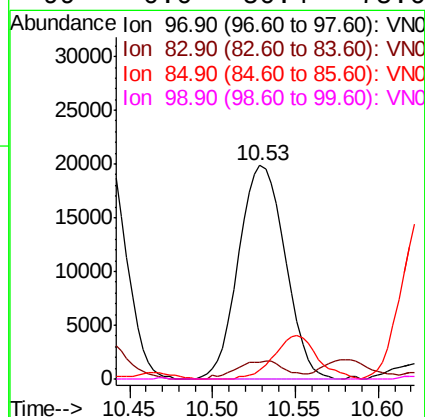
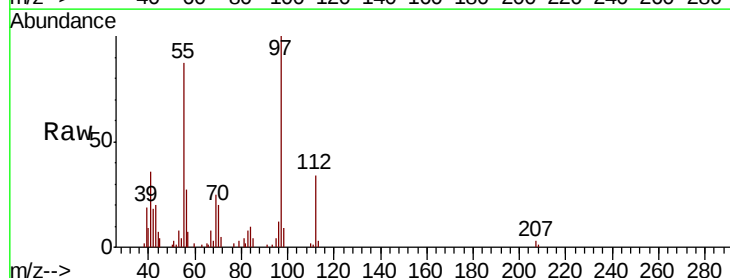
Ion Ratio Lower Upper

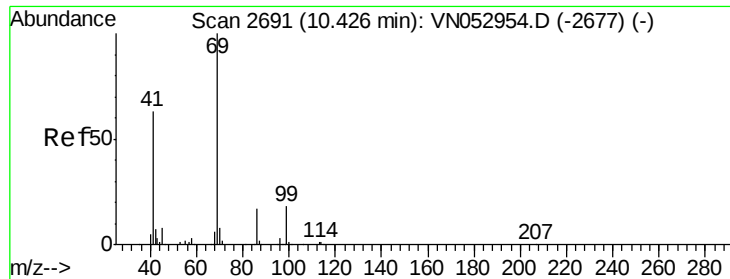
97 100

83 8.0 70.9 106.3#

85 3.6 45.4 68.2#

99 0.0 50.4 75.6#

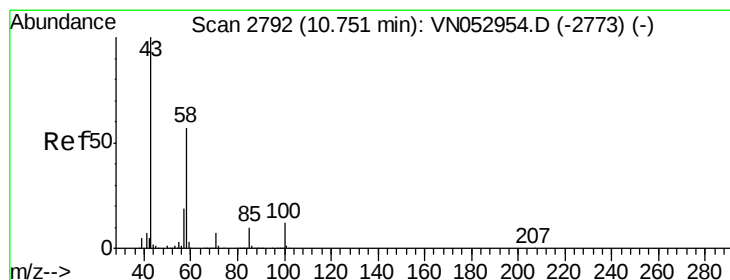
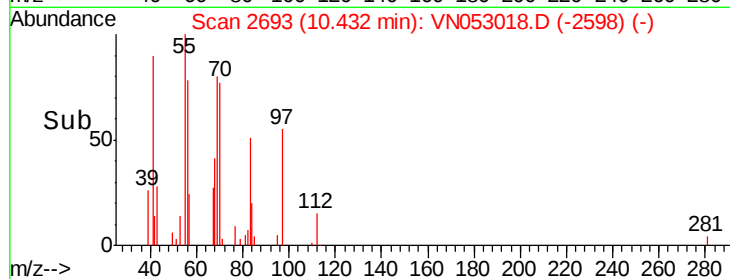
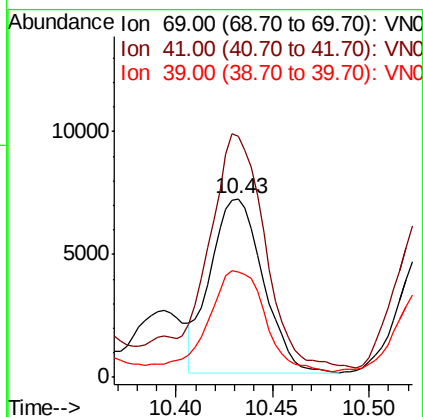
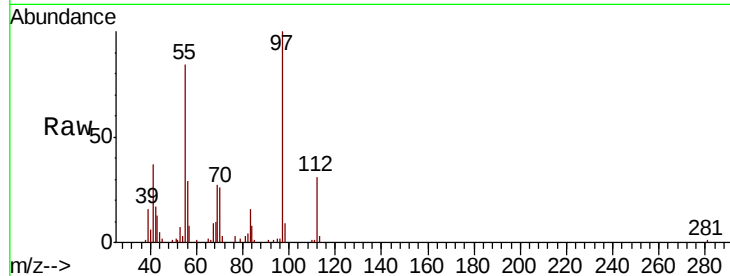




#56
Ethyl methacrylate
Concen: 0.908 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.01 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

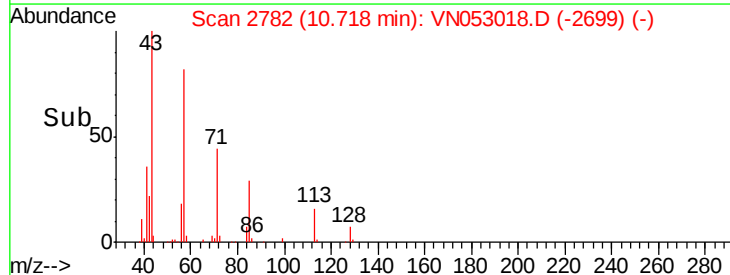
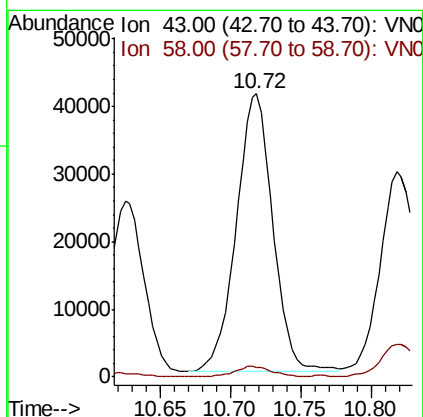
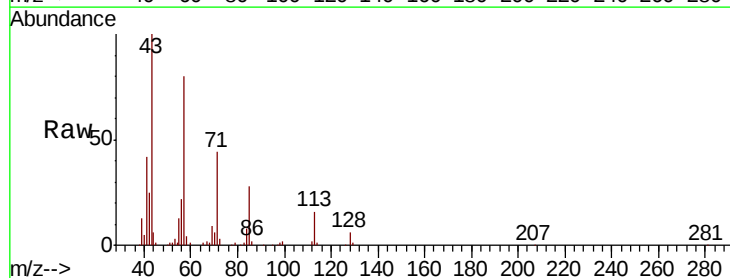
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0006-01ME

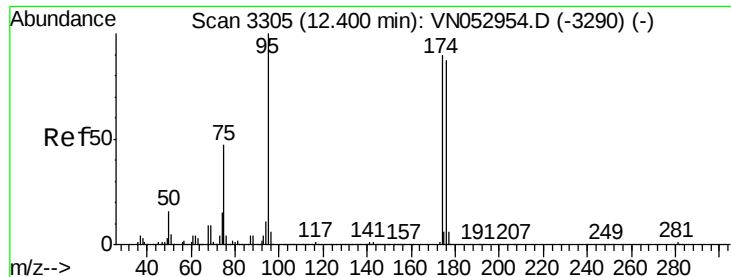
Tot Ion: 69 Resp: 13382
Ion Ratio Lower Upper
69 100
41 139.4 51.7 77.5#
39 62.3 24.6 37.0#



#59
2-Hexanone
Concen: 11.752 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Tgt Ion: 43 Resp: 74403
Ion Ratio Lower Upper
43 100
58 4.0 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0006-01ME

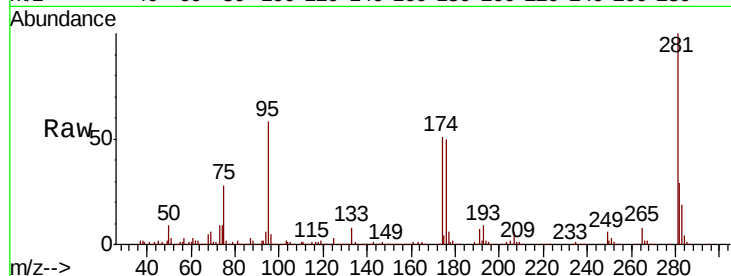
Tot Ion: 95 Resp: 724872

Ion Ratio Lower Upper

95 100

174 88.8 0.0 178.8

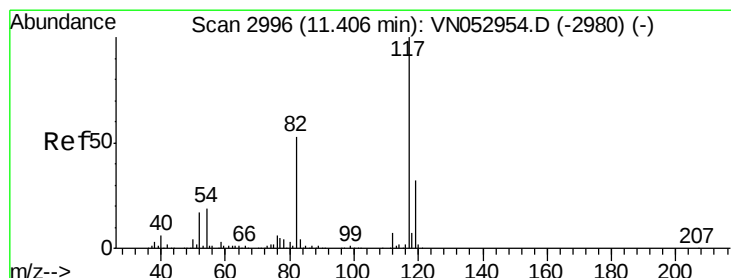
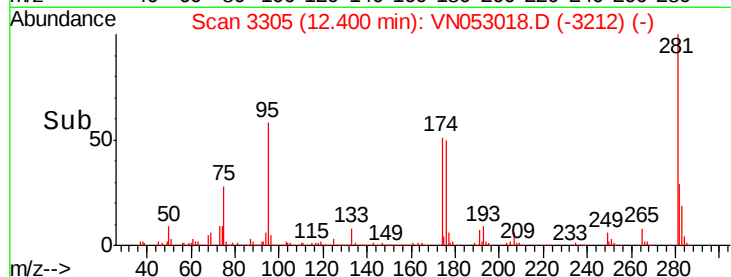
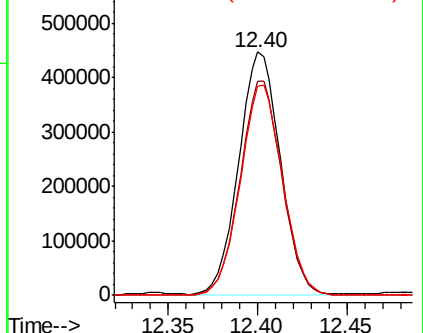
176 88.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

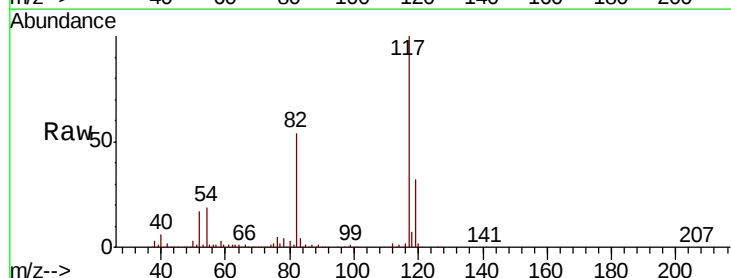
Tgt Ion: 117 Resp: 1590621

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

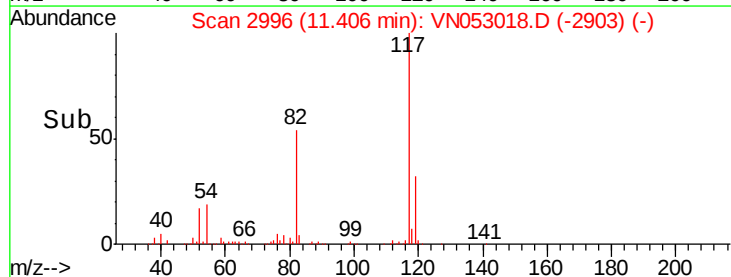
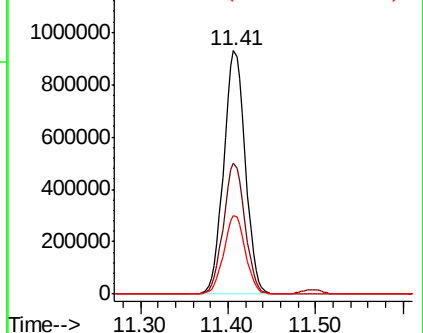
119 32.3 25.5 38.3

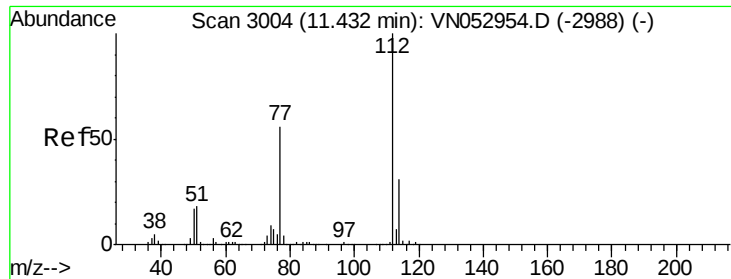


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

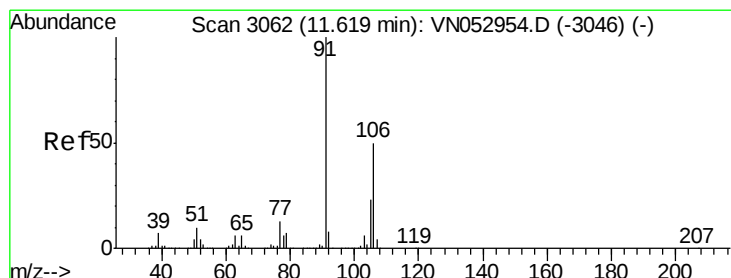
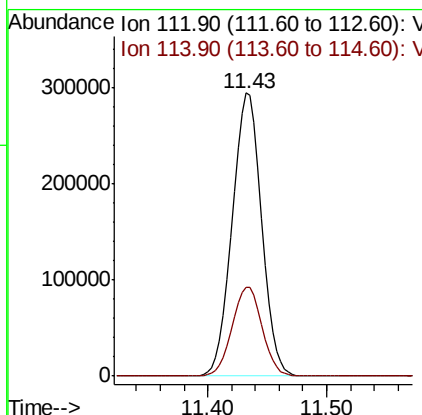
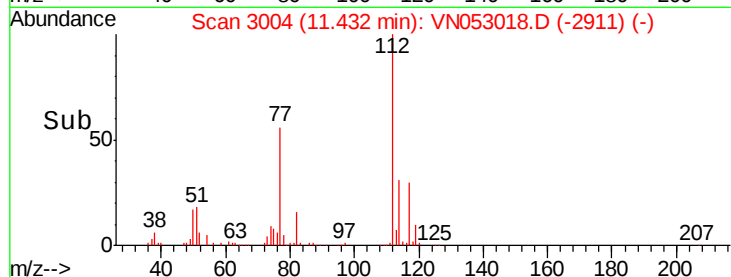
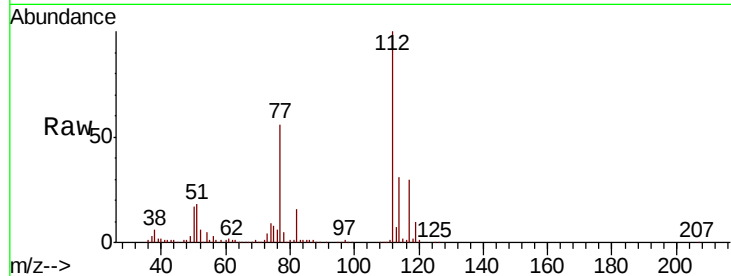




#65
Chlorobenzene
Concen: 14.269 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

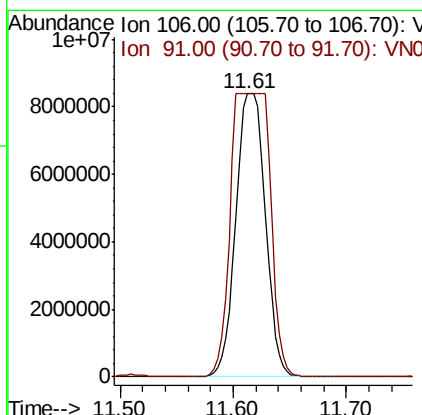
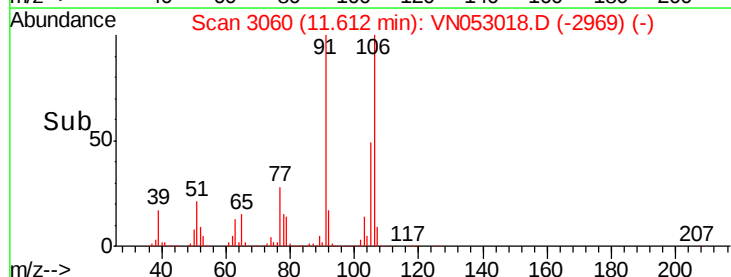
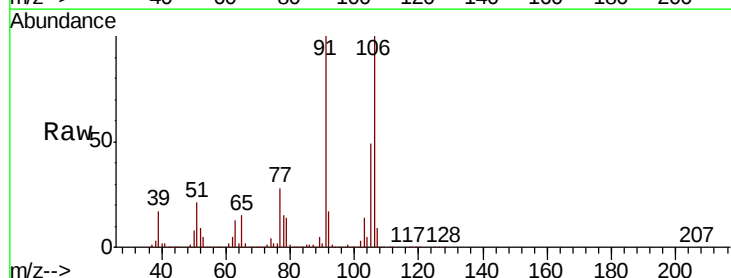
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0006-01ME

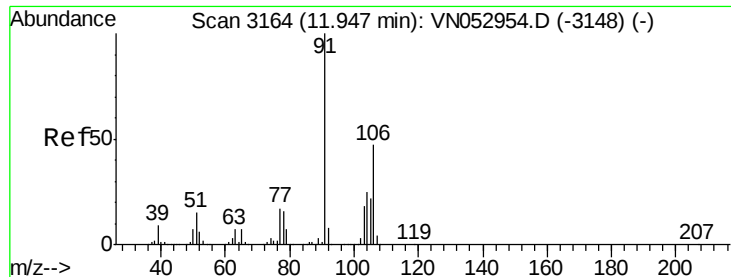
Tot Ion:112 Resp: 503126
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 659.276 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Tgt Ion:106 Resp:15197405
Ion Ratio Lower Upper
106 100
91 0.0 162.2 243.4#

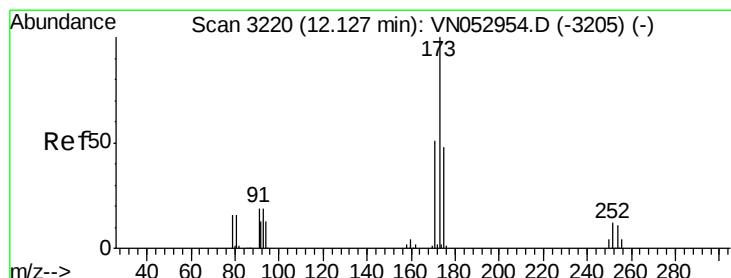
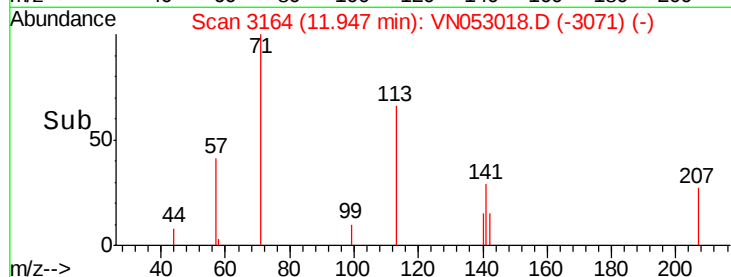
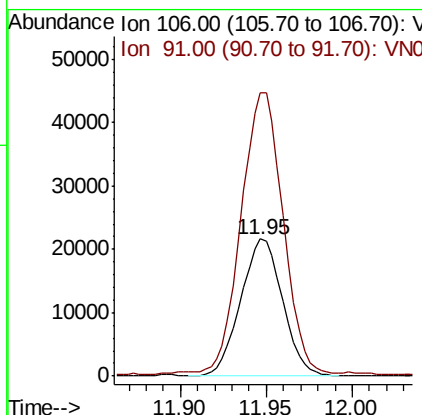
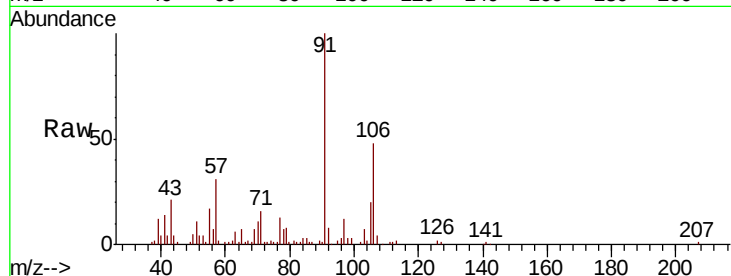




#69
o-Xylene
Concen: 1.660 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

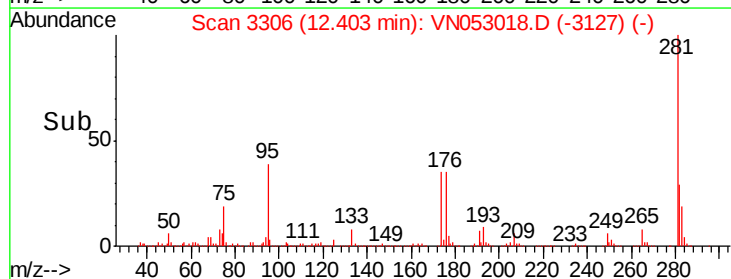
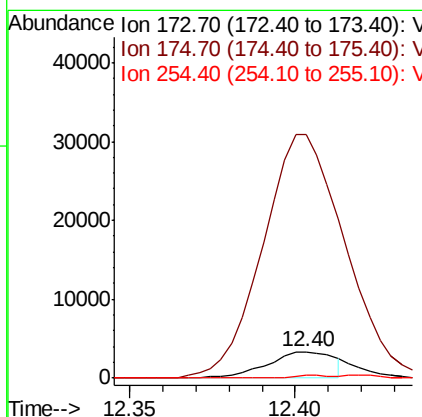
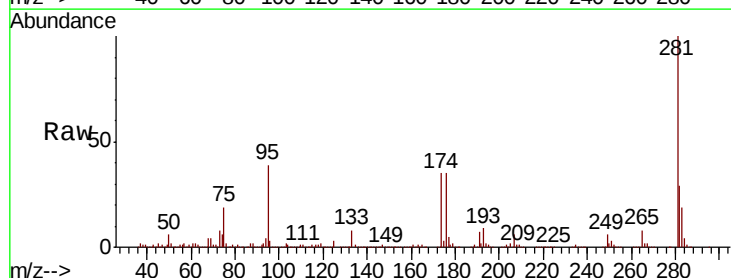
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0006-01ME

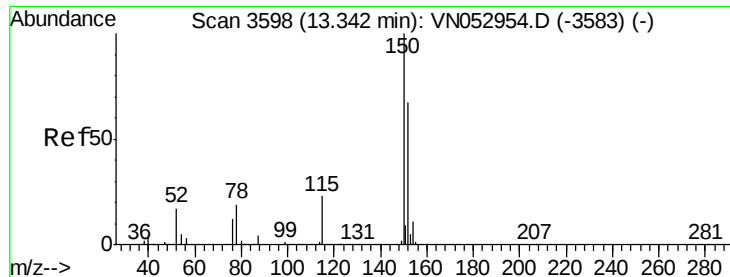
Tot Ion:106 Resp: 36713
Ion Ratio Lower Upper
106 100
91 204.0 106.6 319.8



#71
Bromoform
Concen: 0.525 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Tgt Ion:173 Resp: 4654
Ion Ratio Lower Upper
173 100
175 958.0 24.3 72.9#
254 5.2 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: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0006-01ME

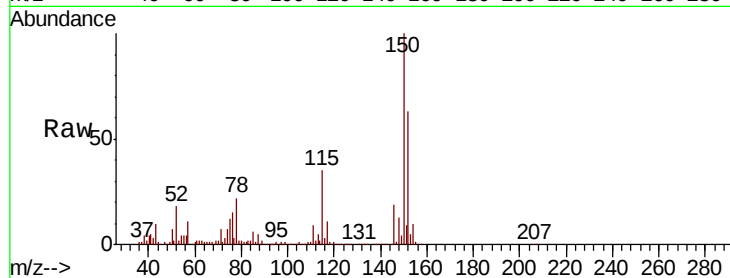
Tot Ion:152 Resp: 705111

Ion Ratio Lower Upper

152 100

115 58.2 28.3 85.0

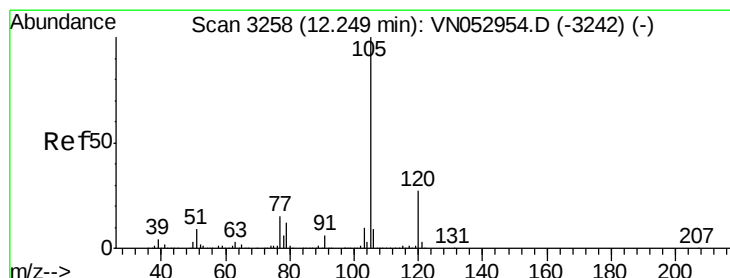
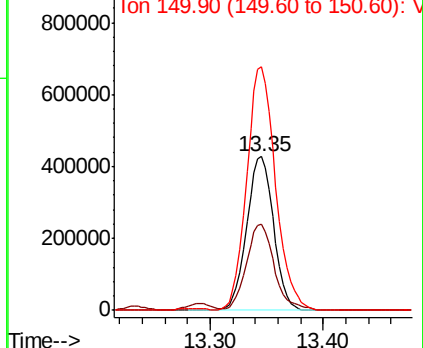
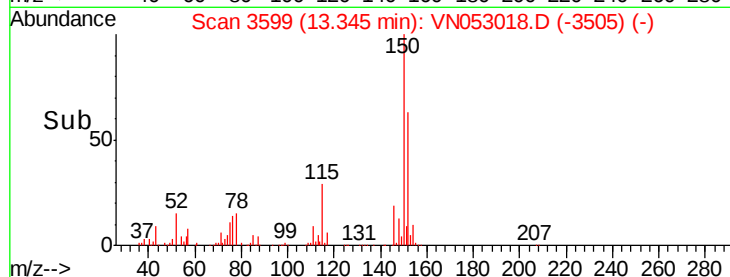
150 170.0 0.0 347.8



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: 4.816 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053018.D

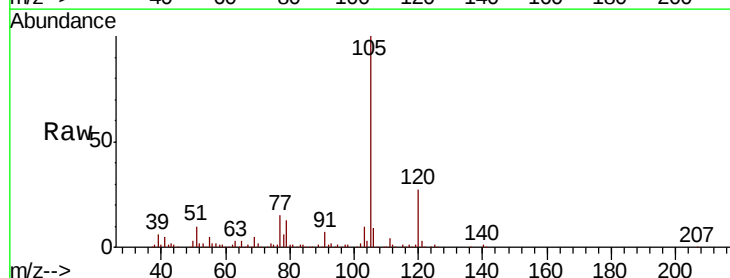
Acq: 19 Dec 2018 18:23

Tgt Ion:105 Resp: 265718

Ion Ratio Lower Upper

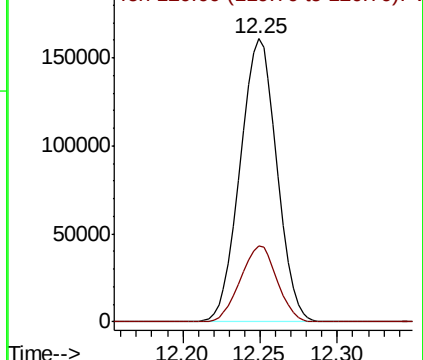
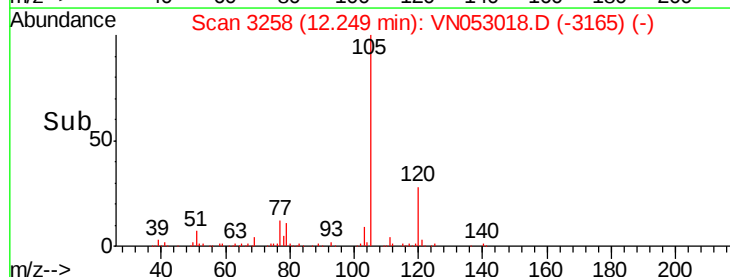
105 100

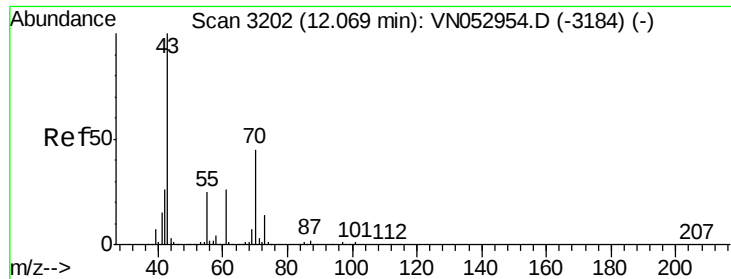
120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.317 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0006-01ME

Tot Ion: 43 Resp: 50811

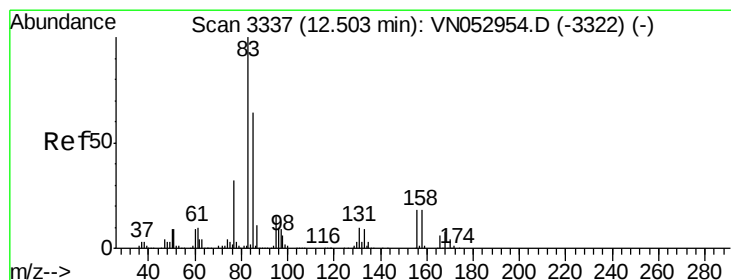
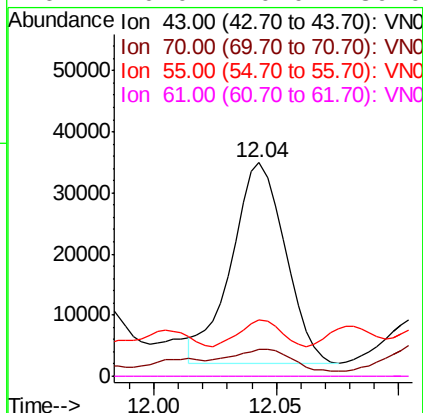
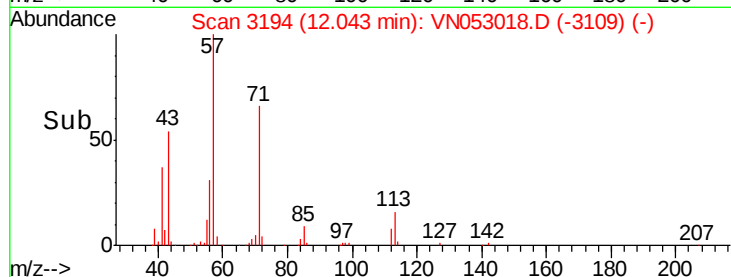
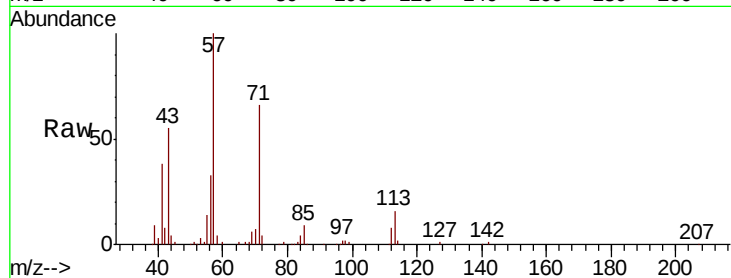
Ion Ratio Lower Upper

43 100

70 11.8 34.2 51.4#

55 10.5 20.3 30.5#

61 0.0 20.0 30.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.482 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.06 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

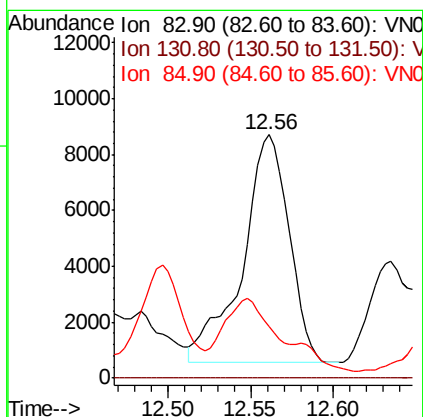
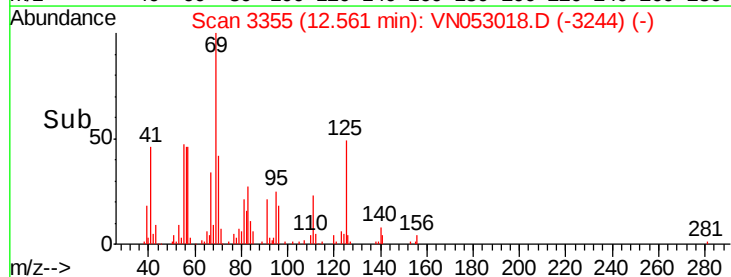
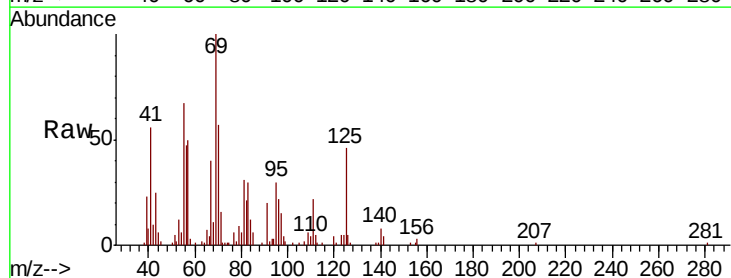
Tgt Ion: 83 Resp: 16044

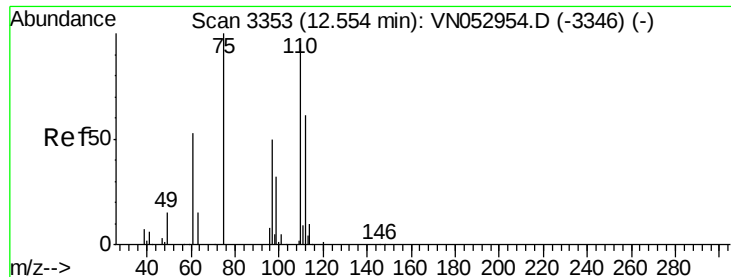
Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 39.2 32.4 97.0





#76

1,2,3-Trichloropropane

Concen: 30.799 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

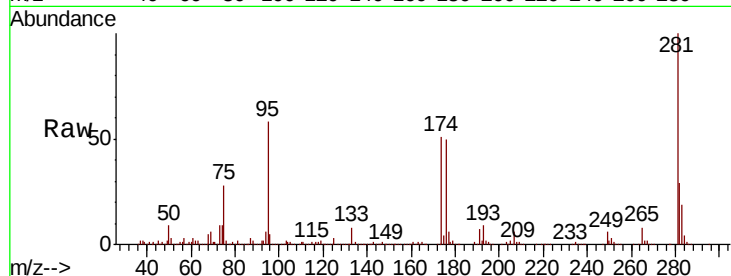
P001-SD013-0006-01ME

Tot Ion: 75 Resp: 365573

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN052954.D (-3346) (-)

12.40

200000

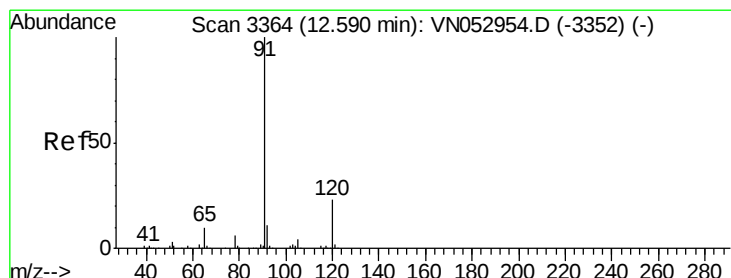
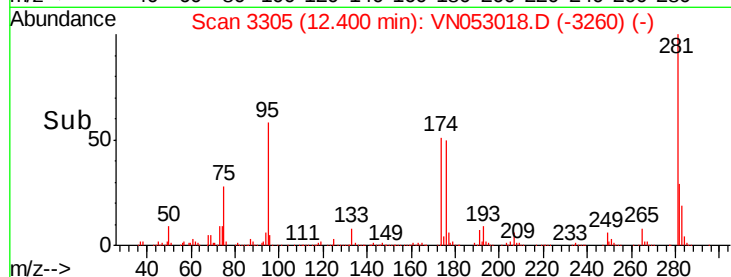
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 7.705 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053018.D

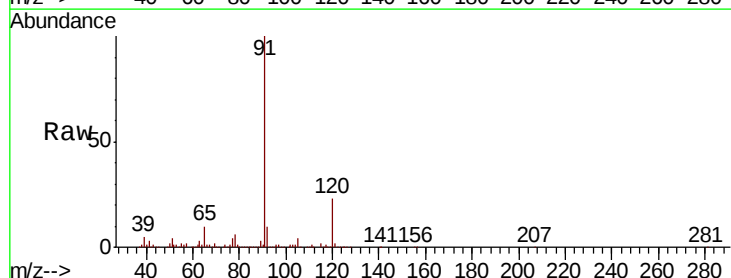
Acq: 19 Dec 2018 18:23

Tgt Ion: 91 Resp: 484121

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3352) (-)

12.59

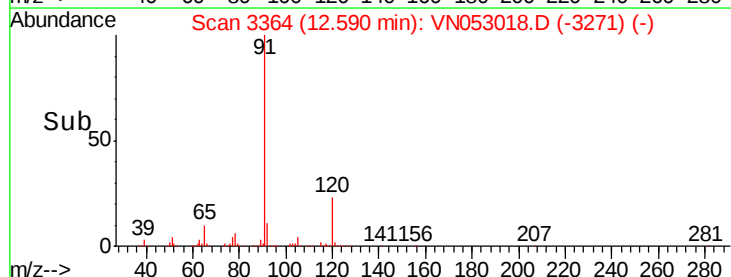
300000

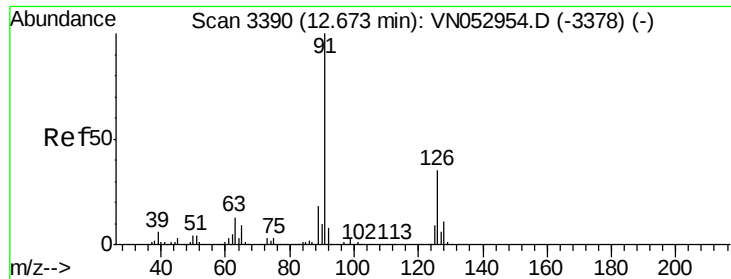
200000

100000

0

Time-->

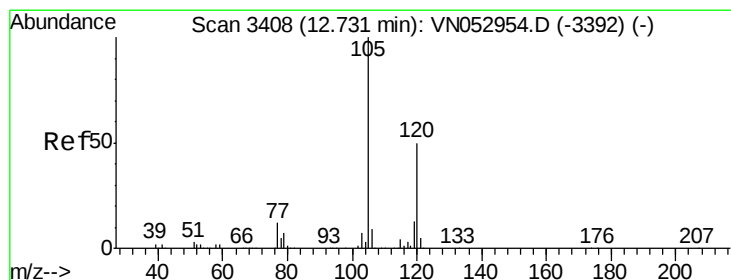
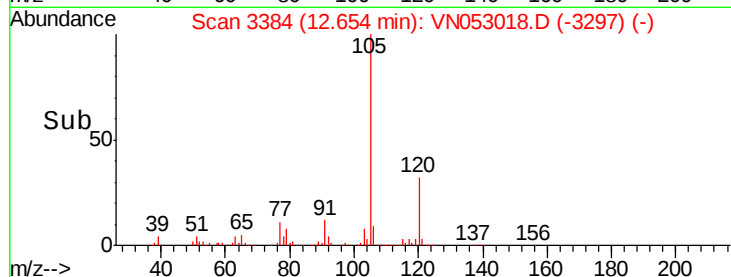
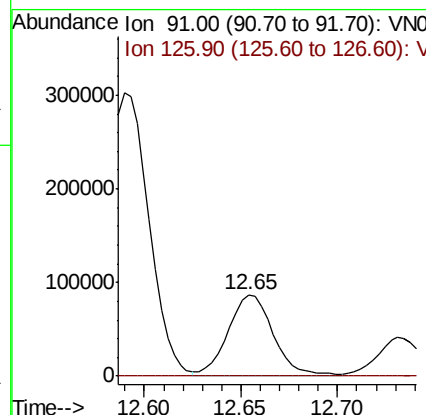
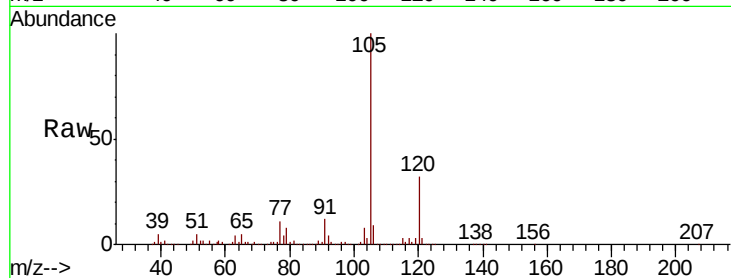




#79
 2-Chlorotoluene
 Concen: 3.572 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

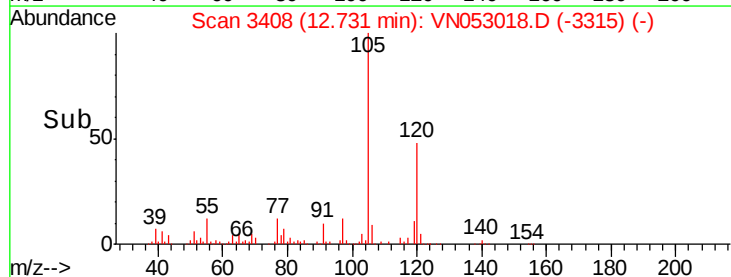
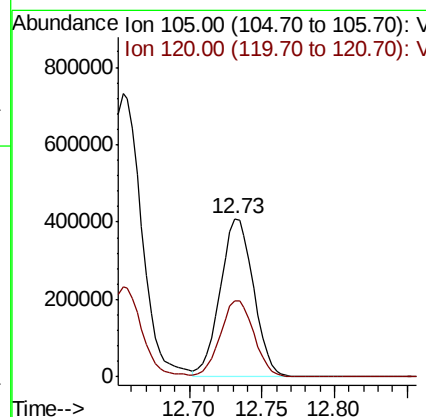
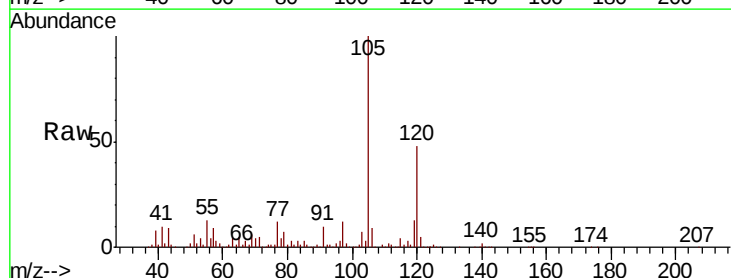
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0006-01ME

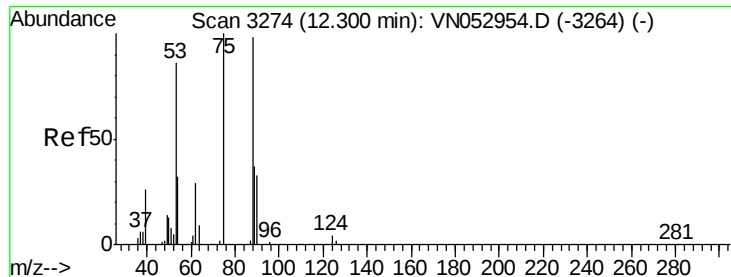
Tot Ion: 91 Resp: 139123
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 14.450 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

Tgt Ion: 105 Resp: 649763
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 99.267 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0006-01ME

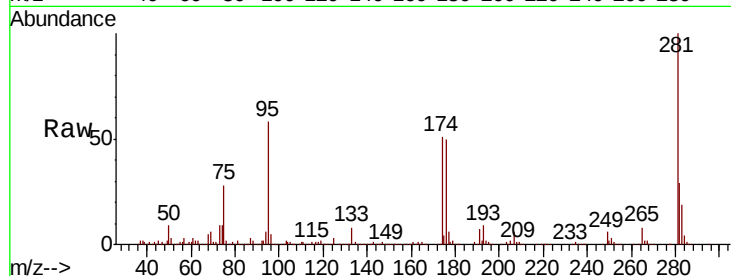
Tot Ion: 75 Resp: 365573

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

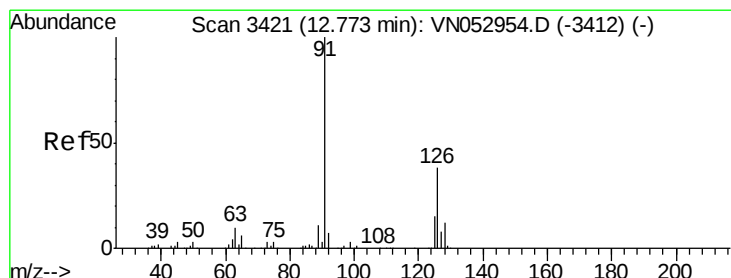
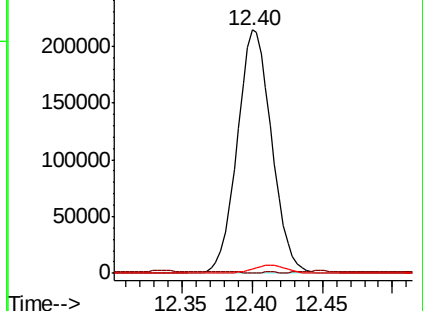
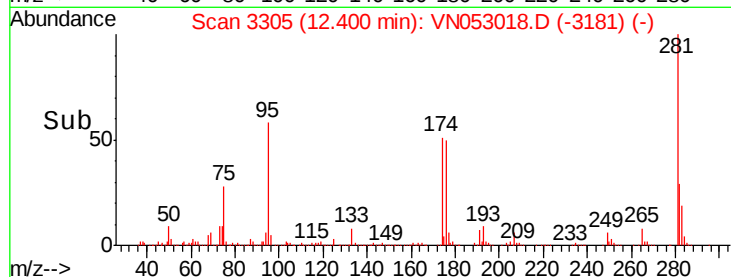
89 3.4 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.714 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053018.D

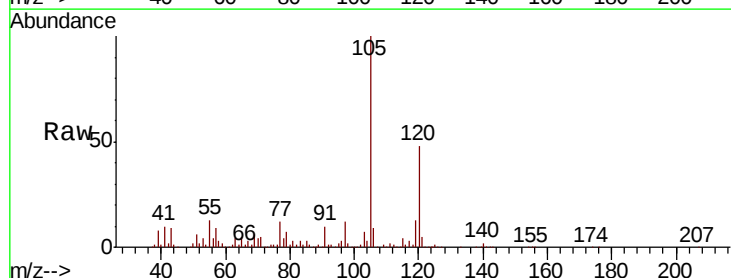
Acq: 19 Dec 2018 18:23

Tgt Ion: 91 Resp: 65347

Ion Ratio Lower Upper

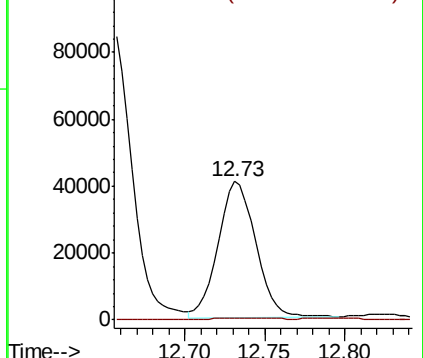
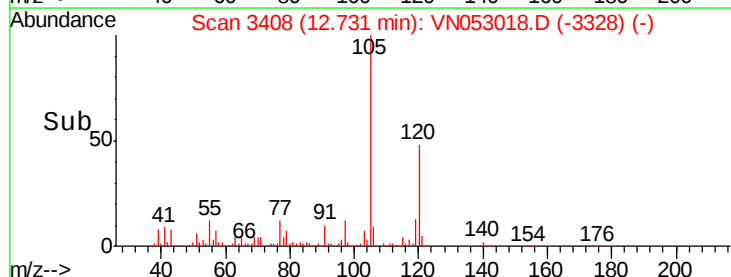
91 100

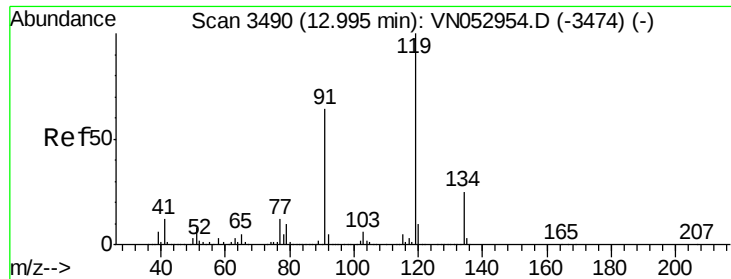
126 0.3 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

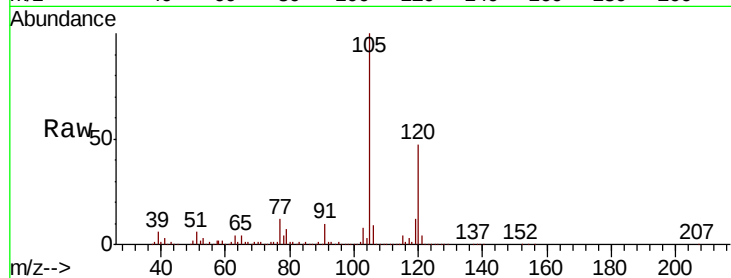




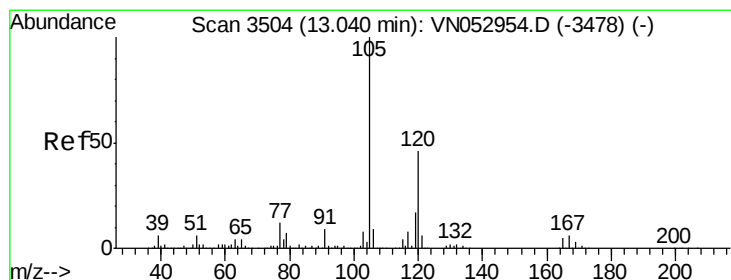
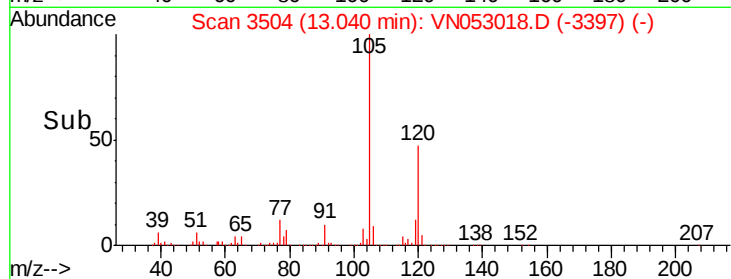
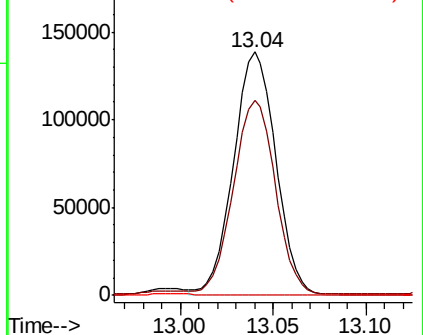
#83
 tert-Butylbenzene
 Concen: 5.530 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.04 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0006-01ME

Tot Ion:119 Resp: 219919
 Ion Ratio Lower Upper
 119 100
 91 79.5 31.9 95.5
 134 0.0 12.8 38.4#

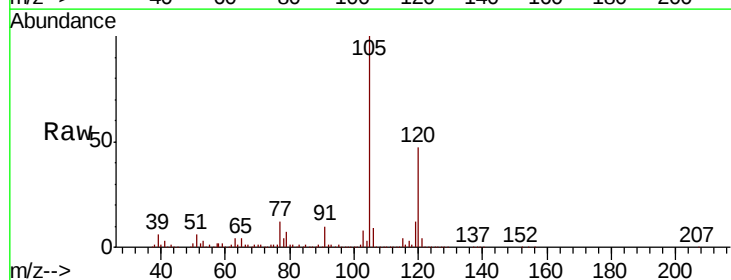


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

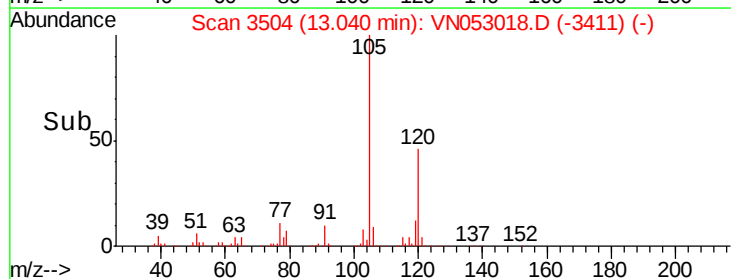
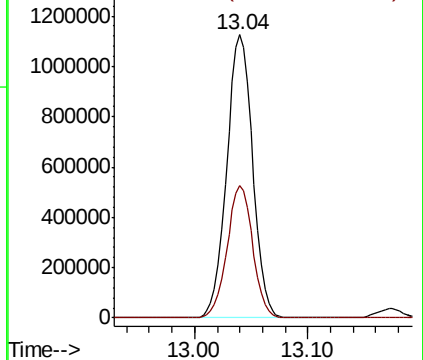


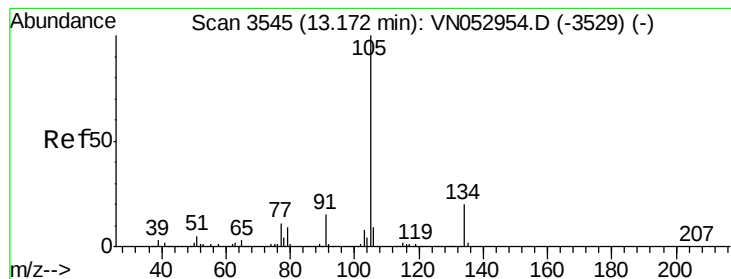
#84
 1,2,4-Trimethylbenzene
 Concen: 39.553 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

Tgt Ion:105 Resp: 1787975
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.078 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

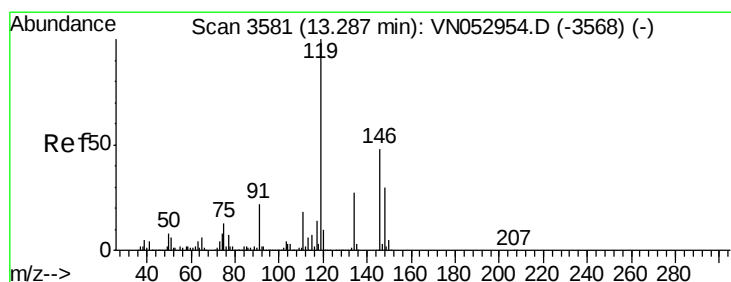
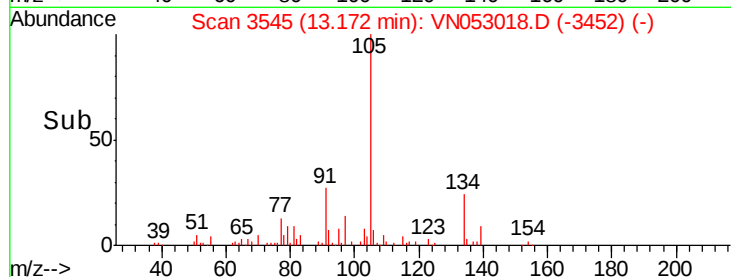
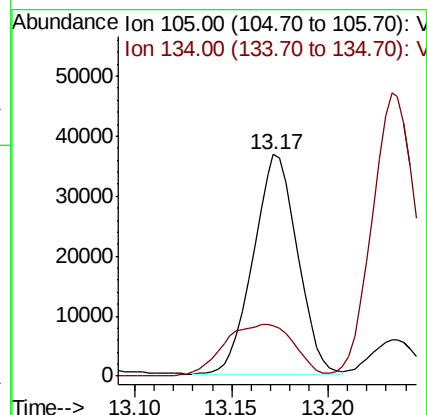
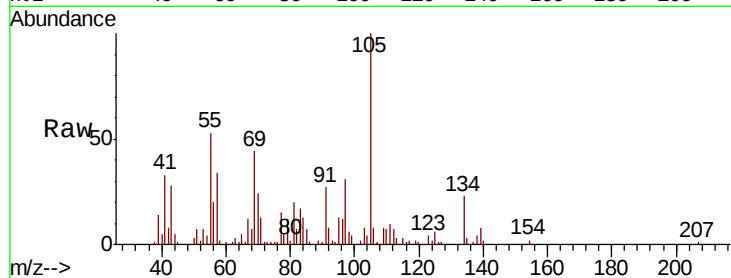
P001-SD013-0006-01ME

Tot Ion:105 Resp: 57974

Ion Ratio Lower Upper

105 100

134 37.5 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 8.839 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

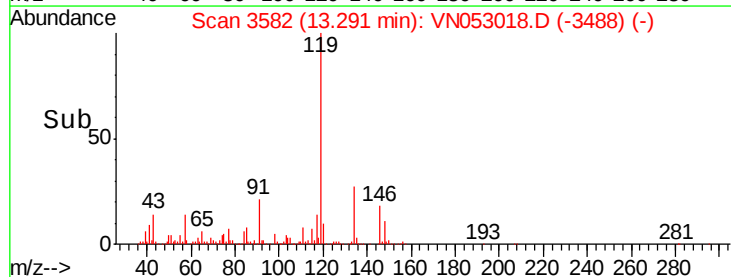
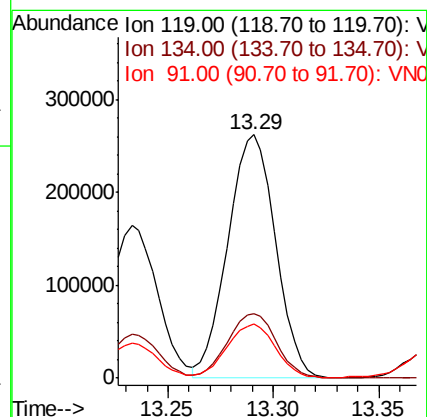
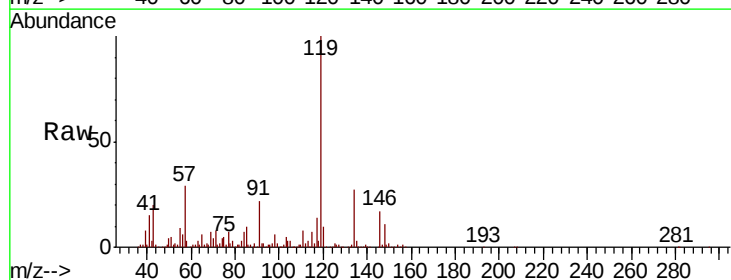
Tgt Ion:119 Resp: 410839

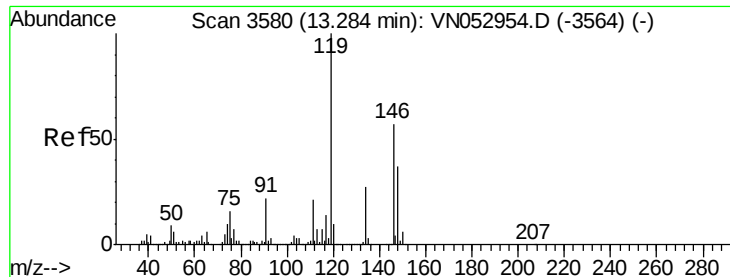
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 3.858 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0006-01ME

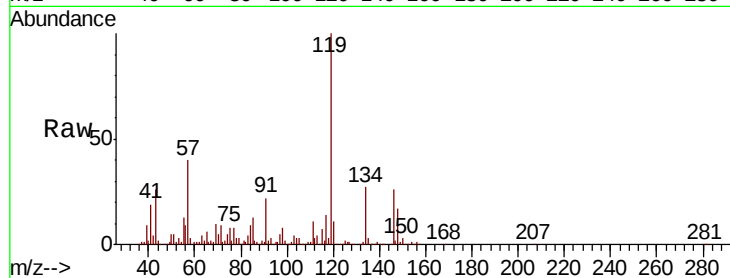
Tot Ion:146 Resp: 97917

Ion Ratio Lower Upper

146 100

111 48.1 19.1 57.1

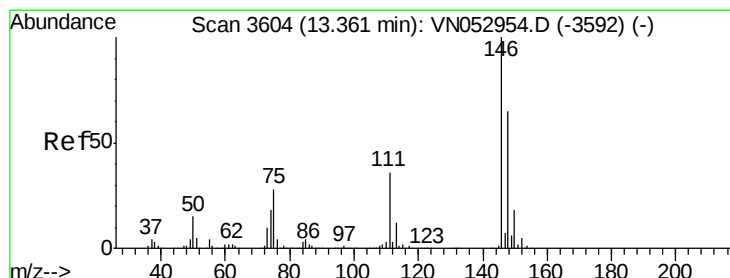
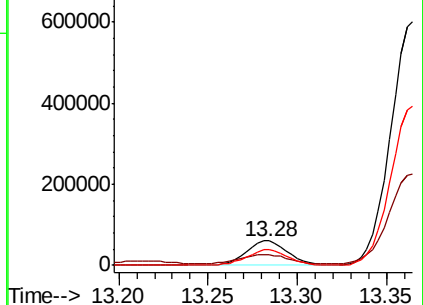
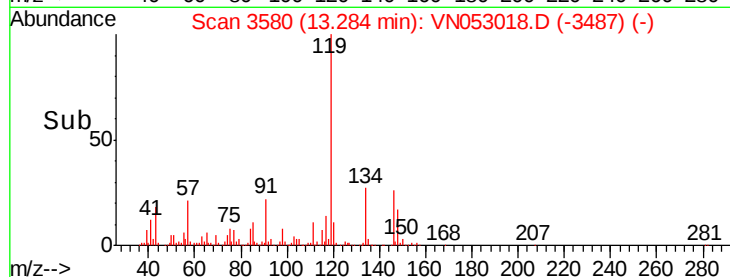
148 64.0 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 37.943 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

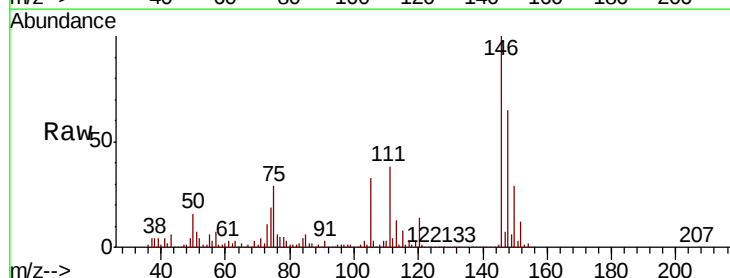
Tgt Ion:146 Resp: 975276

Ion Ratio Lower Upper

146 100

111 38.8 18.6 55.8

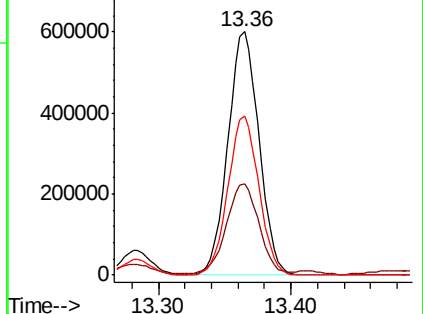
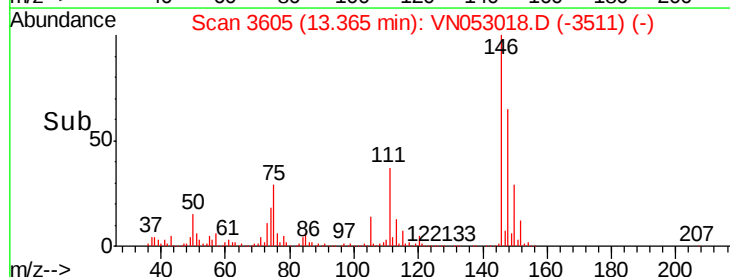
148 65.2 32.1 96.5

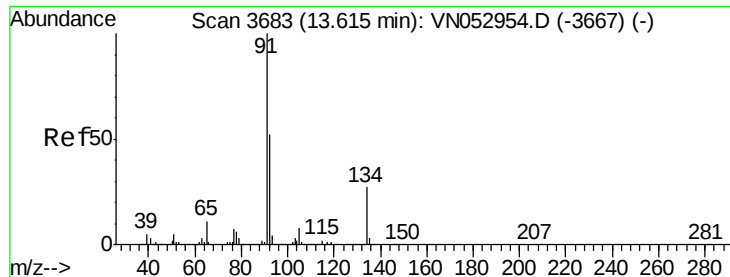


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

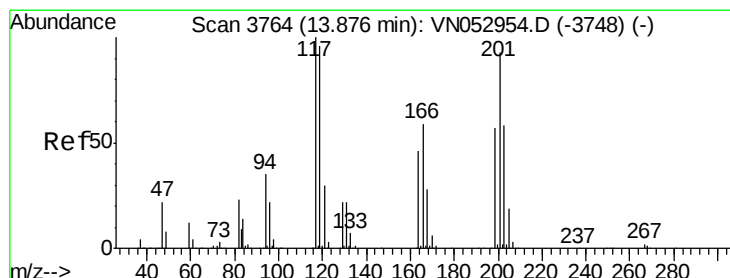
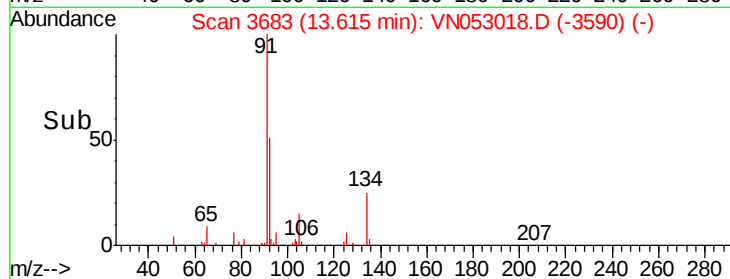
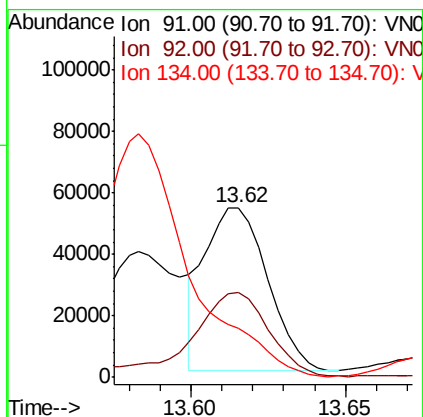
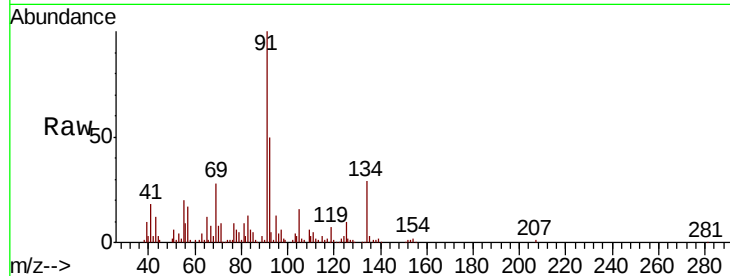




#89
n-Butylbenzene
Concen: 1.868 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

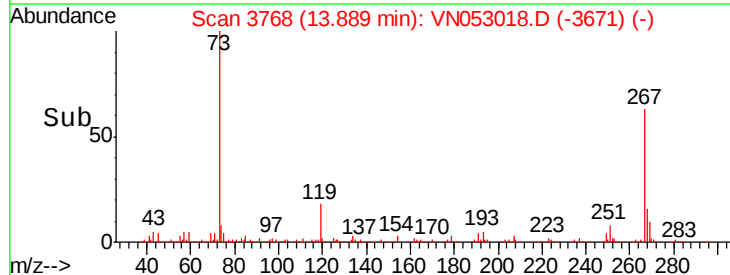
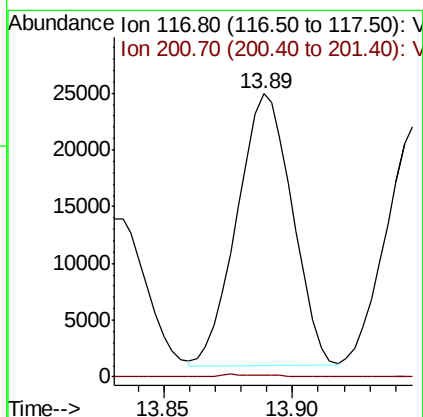
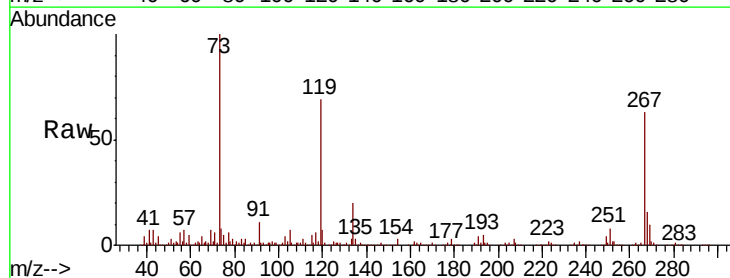
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0006-01ME

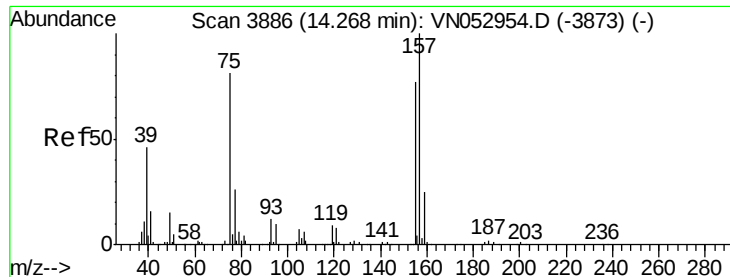
Tot Ion: 91 Resp: 74679
Ion Ratio Lower Upper
91 100
92 64.4 26.3 78.9
134 0.0 13.3 39.8#



#90
Hexachloroethane
Concen: 5.012 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN053018.D
Acq: 19 Dec 2018 18:23

Tgt Ion: 117 Resp: 35749
Ion Ratio Lower Upper
117 100
201 0.8 45.7 137.1#

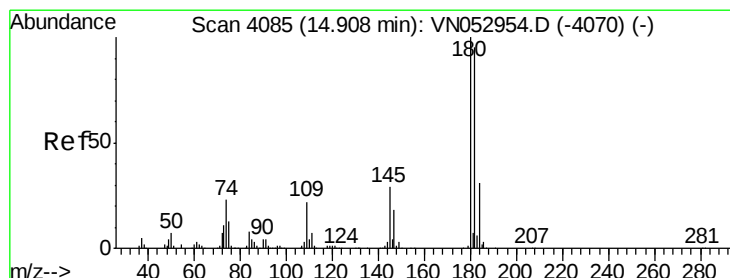
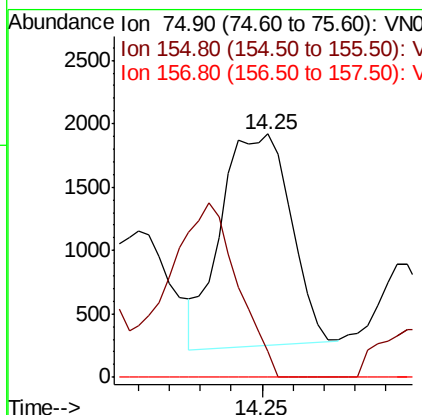
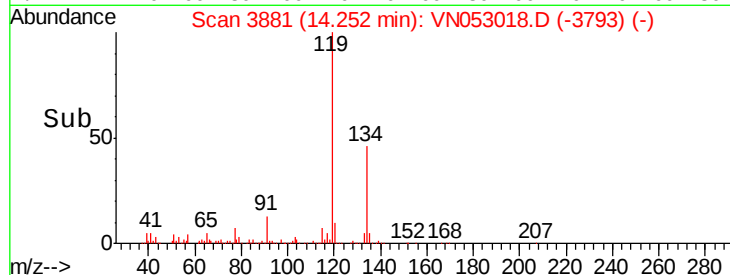
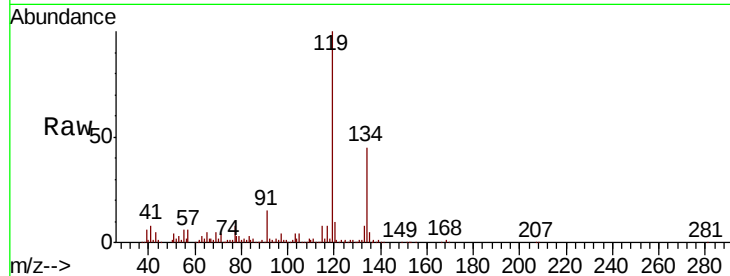




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.403 ug/l
 RT: 14.25 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

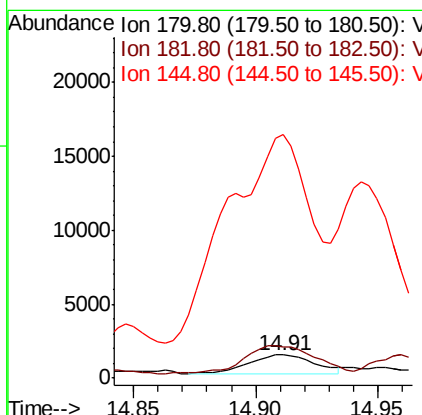
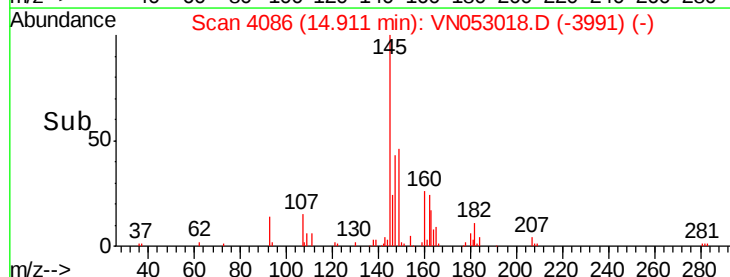
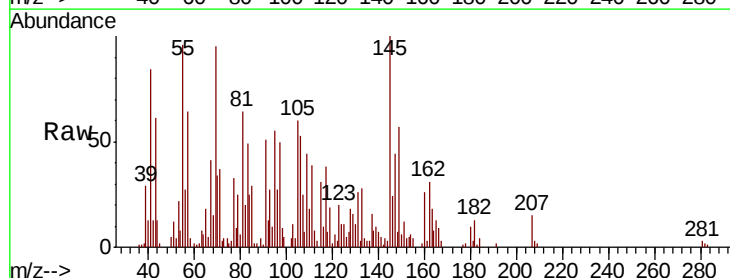
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0006-01ME

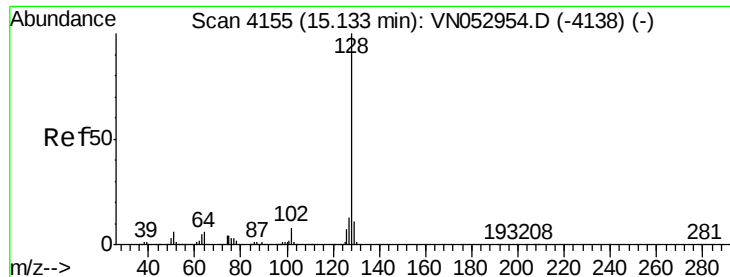
Tot Ion: 75 Resp: 2625
 Ion Ratio Lower Upper
 75 100
 155 78.4 48.2 144.6
 157 0.0 61.2 183.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.783 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053018.D
 Acq: 19 Dec 2018 18:23

Tgt Ion: 180 Resp: 2400
 Ion Ratio Lower Upper
 180 100
 182 164.9 47.8 143.3#
 145 1768.6 14.2 42.6#





#95

Naphthalene

Concen: 36.372 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0006-01ME

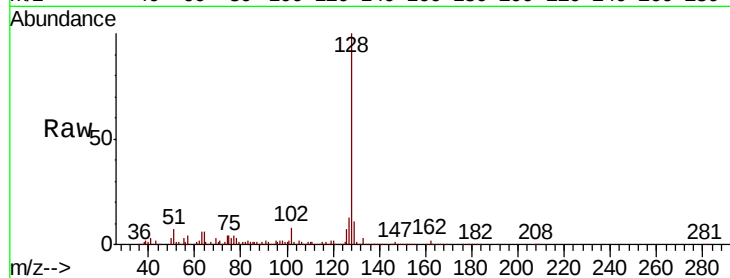
Tot Ion:128 Resp: 999475

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

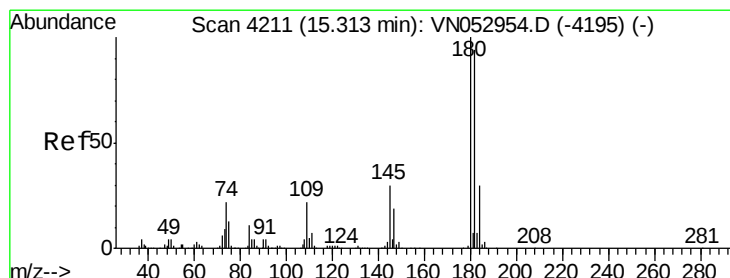
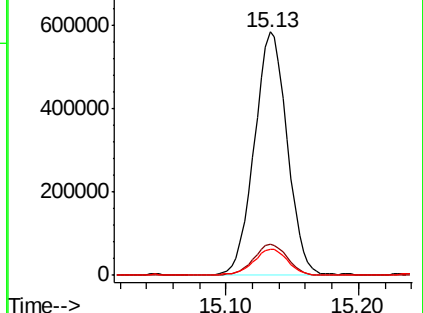
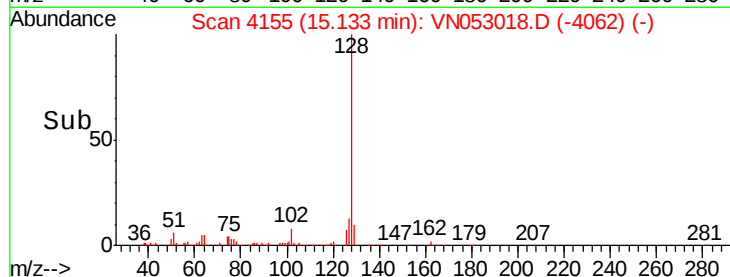
129 11.0 8.6 13.0



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: 0.567 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN053018.D

Acq: 19 Dec 2018 18:23

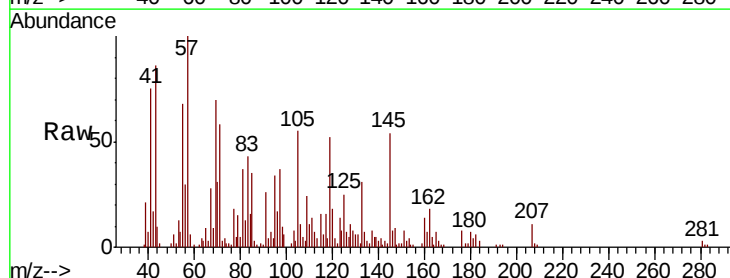
Tgt Ion:180 Resp: 681

Ion Ratio Lower Upper

180 100

182 259.6 47.9 143.7#

145 0.0 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

