

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053020.D
 Acq On : 19 Dec 2018 19:17
 Operator : MD\SY
 Sample : J6378-15ME
 Misc : 5.02µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0612-01ME

Quant Time: Dec 20 05:24:07 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	1265655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1891524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1648512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	684169	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	584766	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
35) Dibromofluoromethane	7.59	113	449603	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	10.09	98	2350693	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	722401	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	2383	0.219	ug/l	94
13) Acrolein	3.61	56	305	0.429	ug/l #	27
14) Allyl chloride	4.59	41	395338	21.157	ug/l #	56
15) Acrylonitrile	5.05	53	45504	10.452	ug/l #	34
16) Acetone	3.82	43	8264	3.282	ug/l #	88
18) Methyl Acetate	4.32	43	35563	4.042	ug/l	99
20) Methylene Chloride	4.56	84	6207	0.452	ug/l #	1
25) 2-Butanone	6.82	43	10460	2.475	ug/l #	49
31) Cyclohexane	7.65	56	207705	8.471	ug/l #	93
36) 1,1-Dichloropropene	7.66	75	81762	4.503	ug/l #	51
37) Ethyl Acetate	6.82	43	10460	1.032	ug/l #	76
38) Carbon Tetrachloride	7.66	117	109678	6.591	ug/l #	16
39) Methylcyclohexane	9.08	83	492060	22.311	ug/l	100
43) Isopropyl Acetate	8.15	43	50663	1.571	ug/l #	53
45) 1,2-Dichloropropane	9.08	63	3776	0.268	ug/l #	1
48) Methyl methacrylate	9.27	41	11987	1.219	ug/l #	38
51) 4-Methyl-2-Pentanone	10.08	43	16836	1.715	ug/l #	1
52) Toluene	10.16	92	25043	0.748	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	42653	3.653	ug/l #	20
56) Ethyl methacrylate	10.43	69	14687	0.950	ug/l #	19
59) 2-Hexanone	10.72	43	96791	14.575	ug/l #	29
65) Chlorobenzene	11.43	112	391229	10.706	ug/l	99
67) Ethyl Benzene	11.51	91	645321	10.269	ug/l	99
68) m/p-Xylenes	11.62	106	14253353	596.608	ug/l #	1
69) o-Xylene	11.95	106	238516	10.404	ug/l	100
70) Styrene	11.95	104	13847	0.370	ug/l #	1
71) Bromoform	12.41	173	5094	0.555	ug/l #	1
73) Isopropylbenzene	12.25	105	249745	4.665	ug/l	100
74) N-amyl acetate	12.04	43	60051	4.041	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	16769	1.597	ug/l #	71
76) 1,2,3-Trichloropropane	12.40	75	383461	33.294	ug/l #	100
77) Bromobenzene	12.55	156	16680	1.199	ug/l #	1
78) n-propylbenzene	12.59	91	465971	7.643	ug/l	99
79) 2-Chlorotoluene	12.65	91	136088	3.601	ug/l #	42

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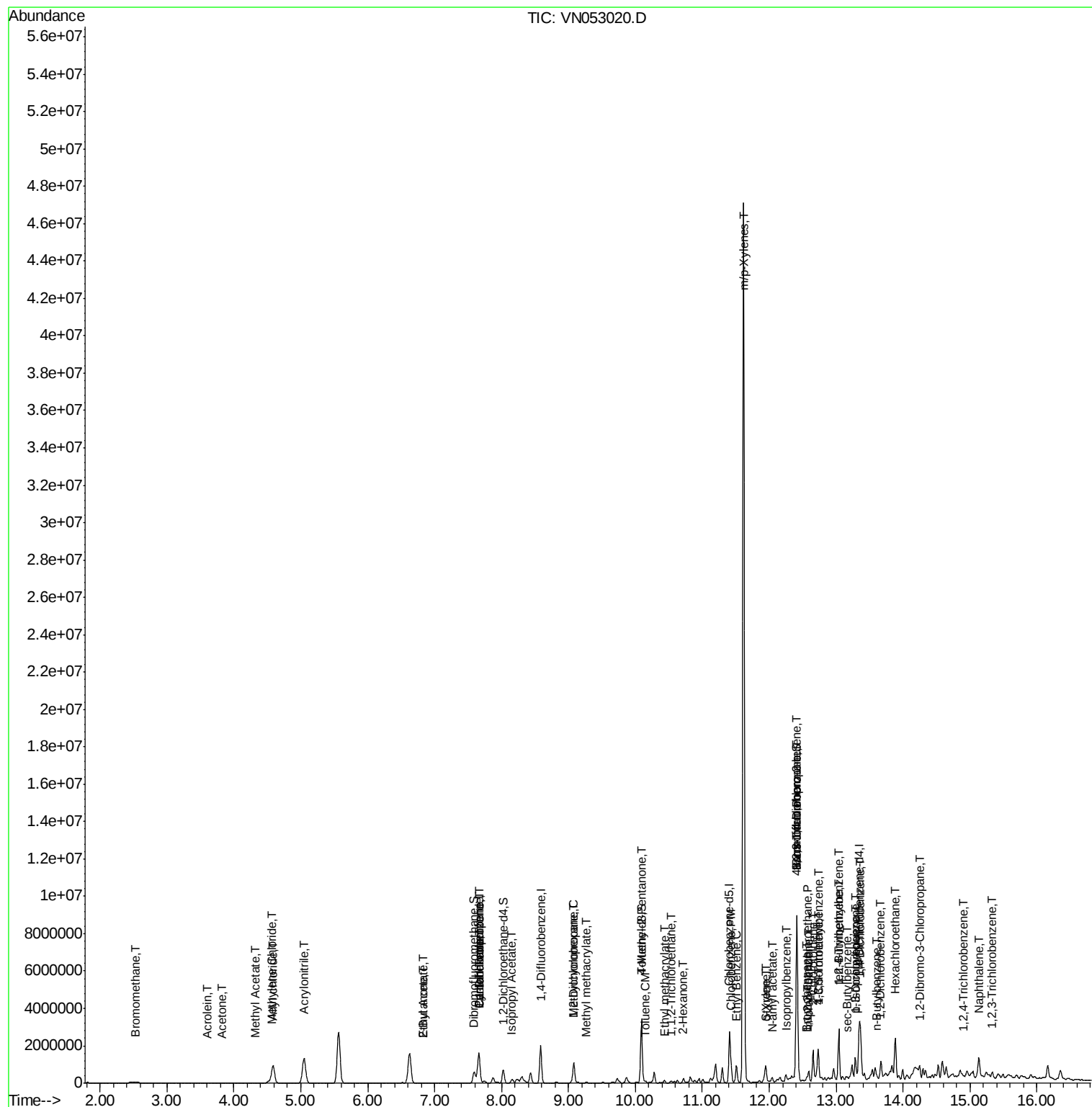
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	574637	13.170	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	383461	107.312	ug/l #	14
82) 4-Chlorotoluene	12.73	91	59470	1.608	ug/l #	43
83) tert-Butylbenzene	13.04	119	196824	5.101	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	1589492	36.238	ug/l	100
85) sec-Butylbenzene	13.17	105	63031	1.208	ug/l #	69
86) p-Isopropyltoluene	13.29	119	427339	9.475	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77065	3.129	ug/l	90
88) 1,4-Dichlorobenzene	13.36	146	766565	30.736	ug/l	98
89) n-Butylbenzene	13.61	91	92236	2.377	ug/l #	77
90) Hexachloroethane	13.89	117	34388	4.969	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	20602	0.889	ug/l #	28
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2802	1.543	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	7942	1.235	ug/l #	1
94) Hexachlorobutadiene	15.01	225	2118	Below Cal		91
95) Naphthalene	15.13	128	898639	33.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	12290	1.608	ug/l #	69

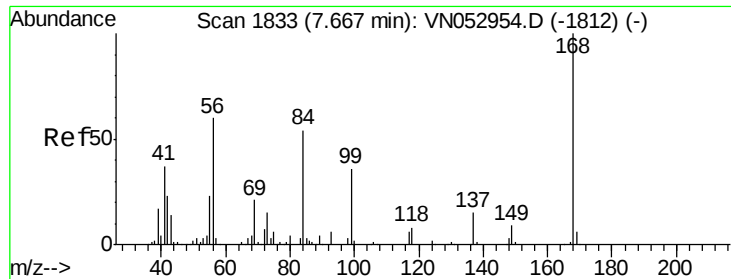
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

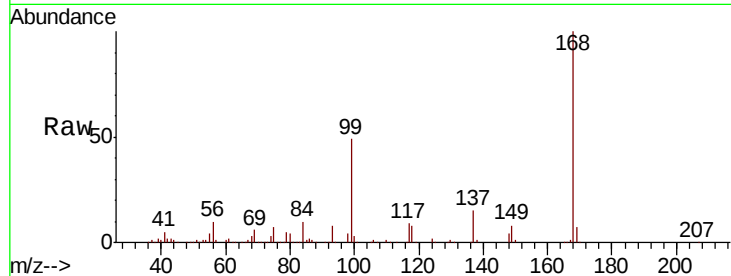
P001-SD013-0612-01ME

Tot Ion:168 Resp: 1265655

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053020.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053020.D (-1740) (-)

7.66

600000

500000

400000

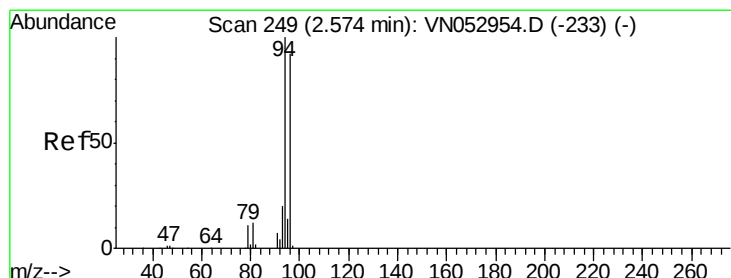
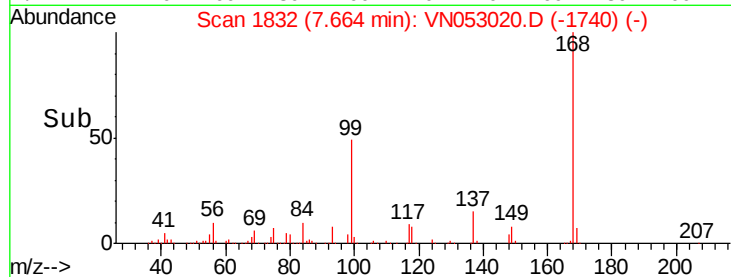
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.219 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.05 min

Lab File: VN053020.D

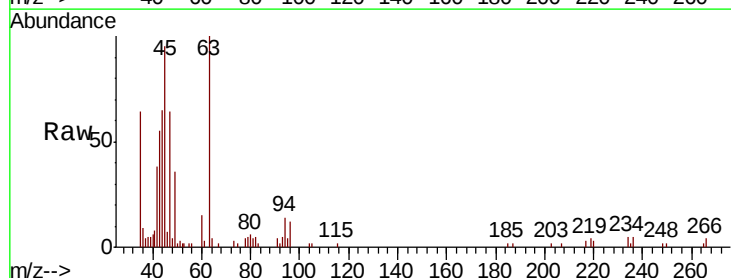
Acq: 19 Dec 2018 19:17

Tgt Ion: 94 Resp: 2383

Ion Ratio Lower Upper

94 100

96 88.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN053020.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN053020.D (-156) (-)

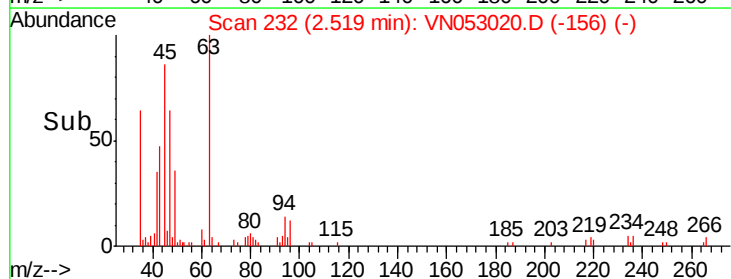
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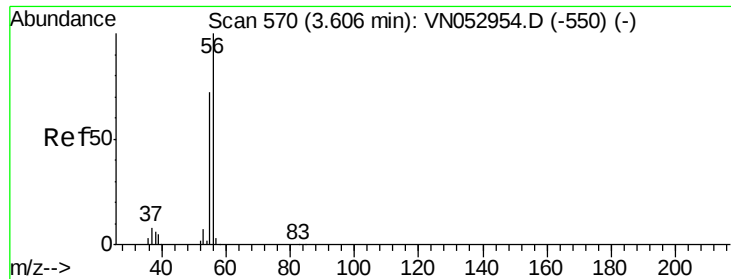
1000

500

0

Time-->





#13

Acrolein

Concen: 0.429 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

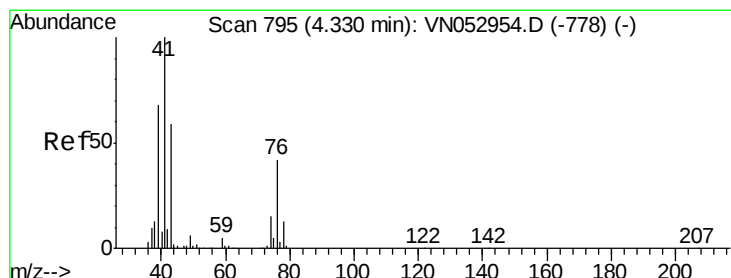
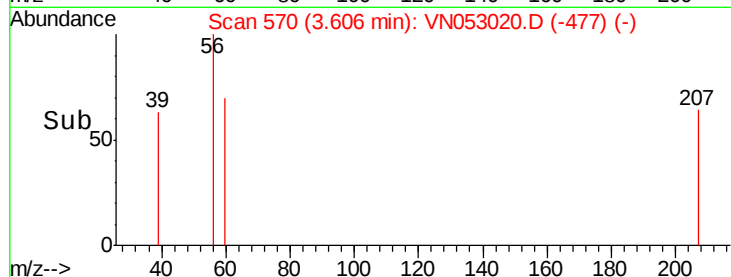
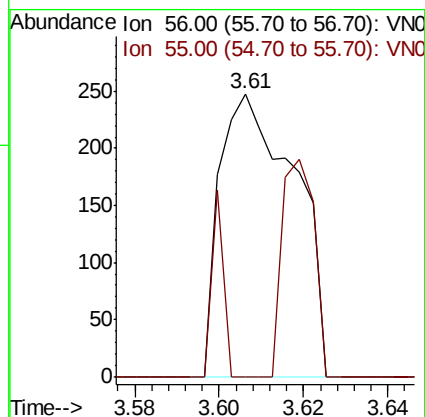
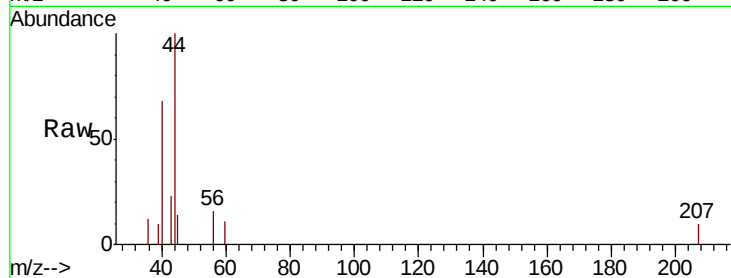
P001-SD013-0612-01ME

Tot Ion: 56 Resp: 305

Ion Ratio Lower Upper

56 100

55 10.5 56.6 85.0#



#14

Allyl chloride

Concen: 21.157 ug/l

RT: 4.59 min Scan# 875

Delta R.T. 0.26 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

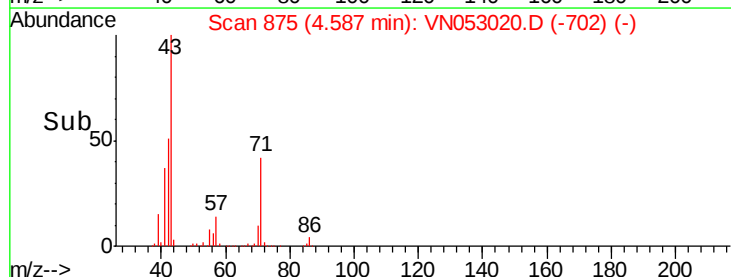
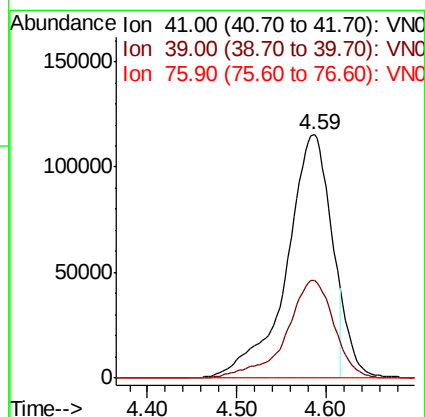
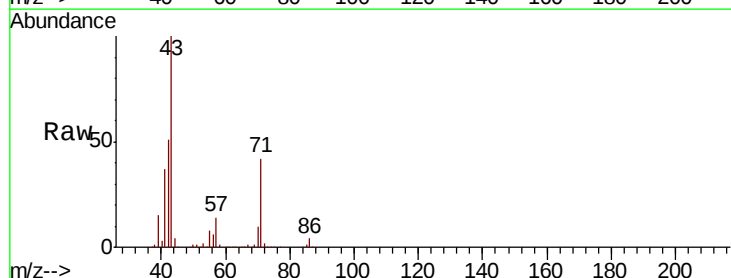
Tgt Ion: 41 Resp: 395338

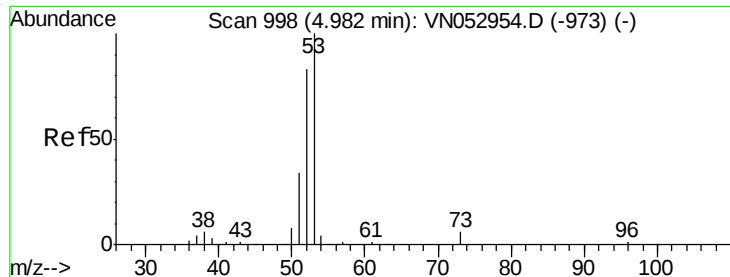
Ion Ratio Lower Upper

41 100

39 40.7 54.1 81.1#

76 0.0 30.3 45.5#





#15

Acrylonitrile

Concen: 10.452 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

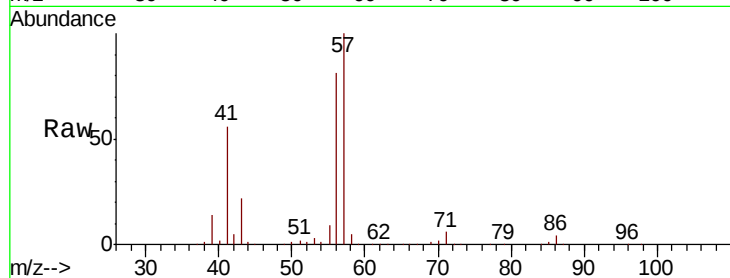
Tot Ion: 53 Resp: 45504

Ion Ratio Lower Upper

53 100

52 10.7 65.1 97.7#

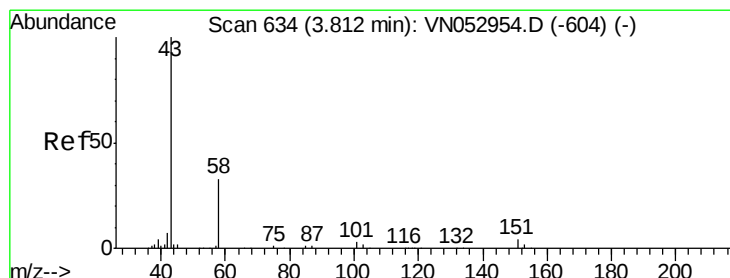
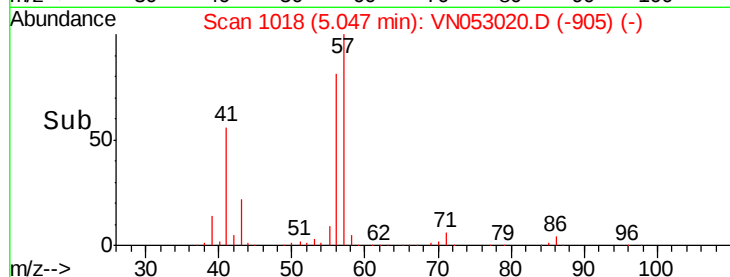
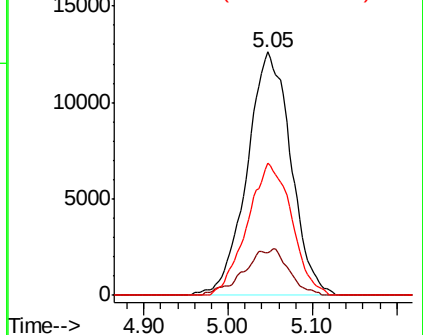
51 54.9 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN053020.D (-1018) (-)

Ion 52.00 (51.70 to 52.70): VN053020.D (-1018) (-)

Ion 51.00 (50.70 to 51.70): VN053020.D (-1018) (-)



#16

Acetone

Concen: 3.282 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053020.D

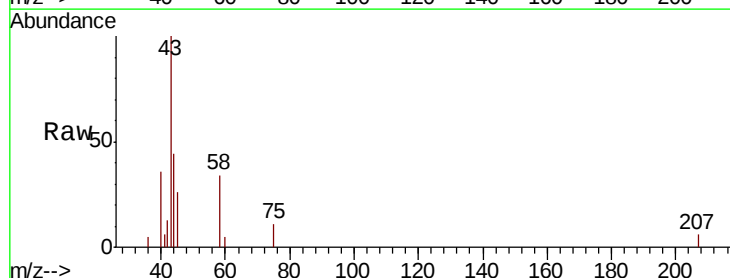
Acq: 19 Dec 2018 19:17

Tgt Ion: 43 Resp: 8264

Ion Ratio Lower Upper

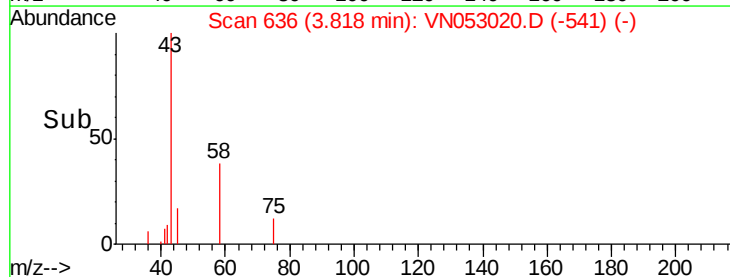
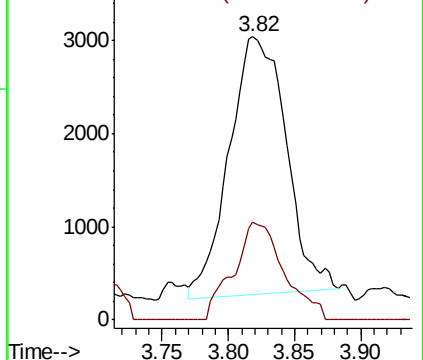
43 100

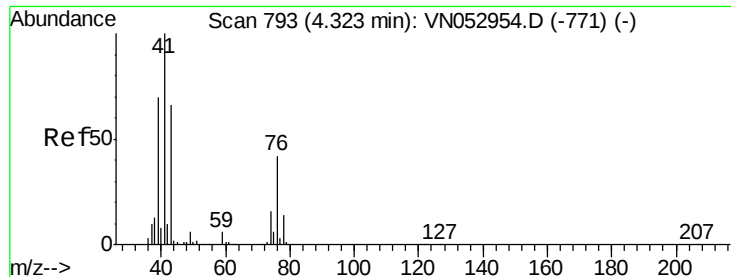
58 38.5 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN053020.D (-636) (-)

Ion 58.00 (57.70 to 58.70): VN053020.D (-636) (-)

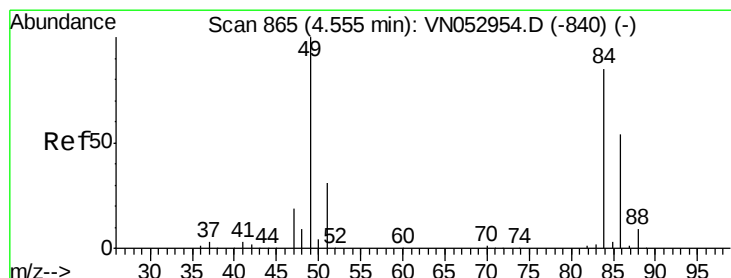
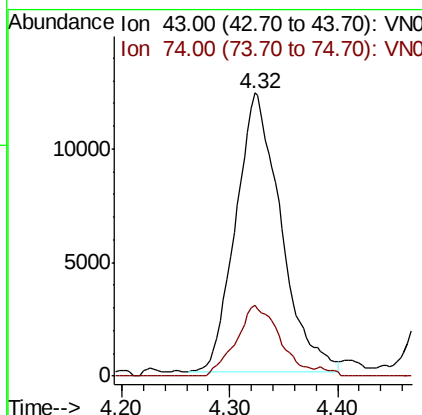
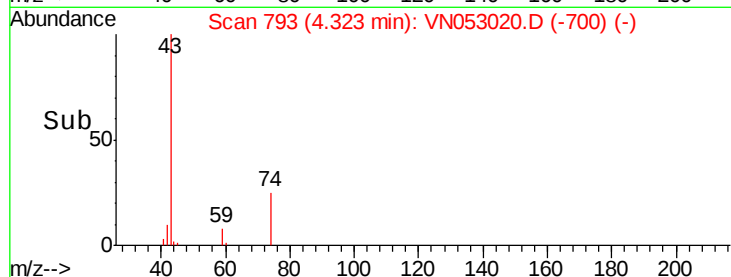
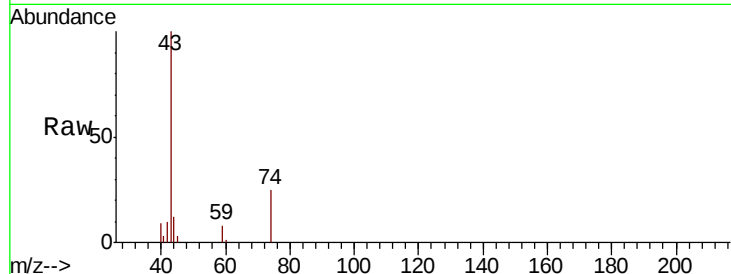




#18
Methyl Acetate
Concen: 4.042 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

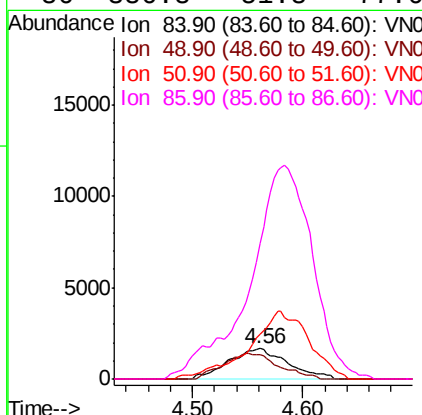
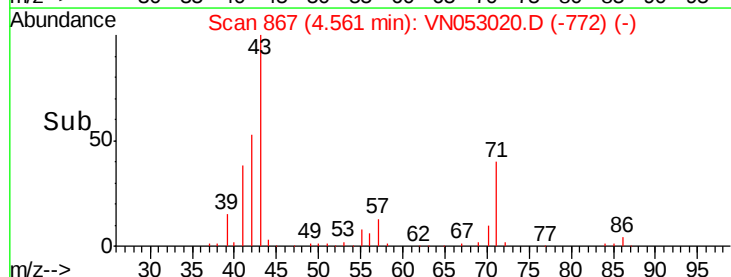
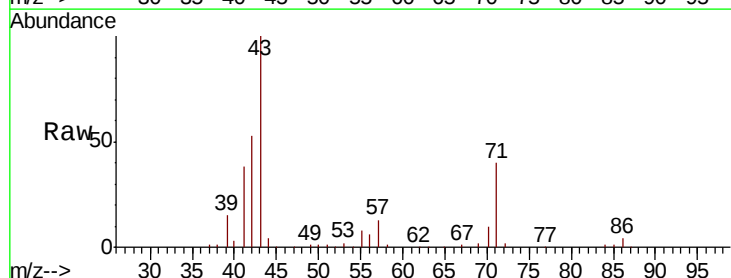
Instrument :
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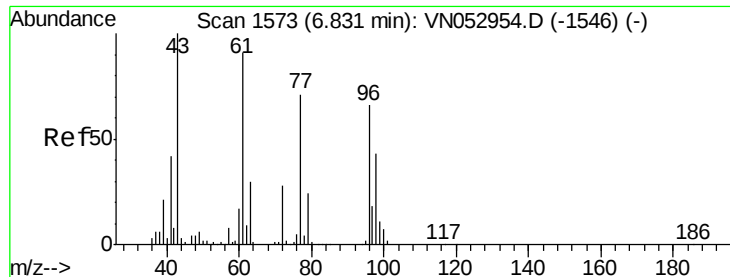
Tot Ion: 43 Resp: 35563
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8



#20
Methylene Chloride
Concen: 0.452 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion: 84 Resp: 6207
Ion Ratio Lower Upper
84 100
49 79.9 96.8 145.2#
51 136.8 29.9 44.9#
86 386.8 51.8 77.6#





#25

2-Butanone

Concen: 2.475 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

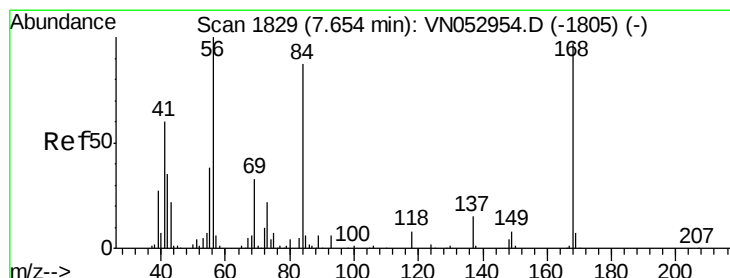
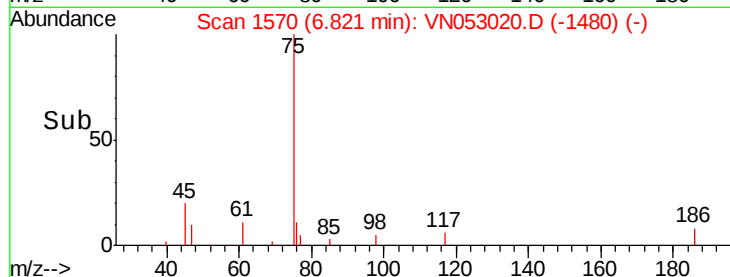
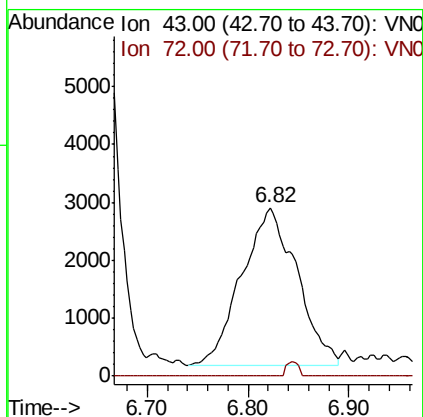
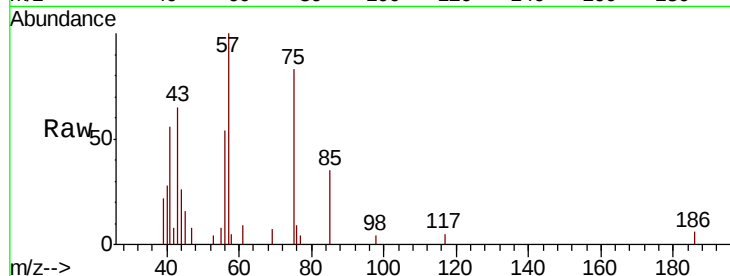
P001-SD013-0612-01ME

Tot Ion: 43 Resp: 10460

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#31

Cyclohexane

Concen: 8.471 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

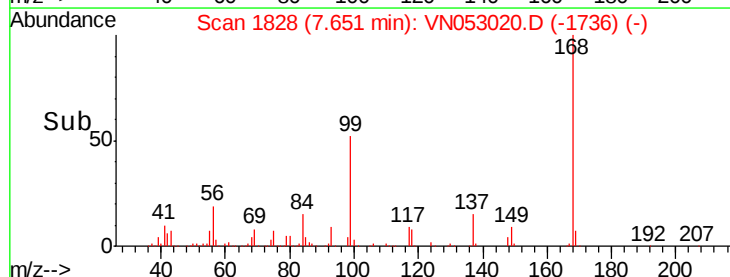
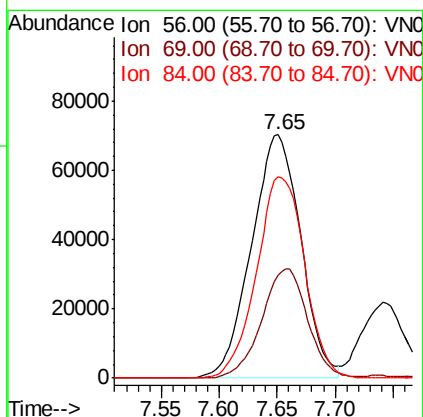
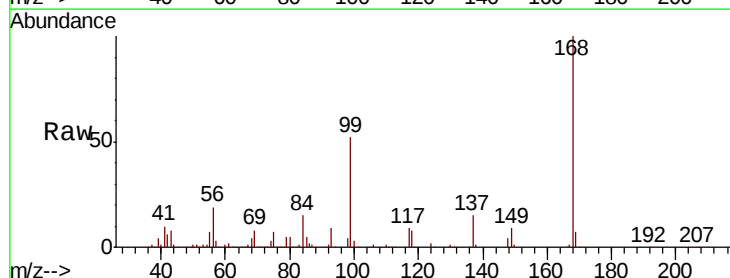
Tgt Ion: 56 Resp: 207705

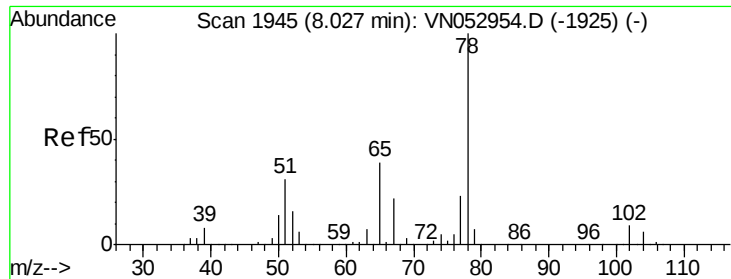
Ion Ratio Lower Upper

56 100

69 42.2 26.6 39.8#

84 82.8 68.4 102.6

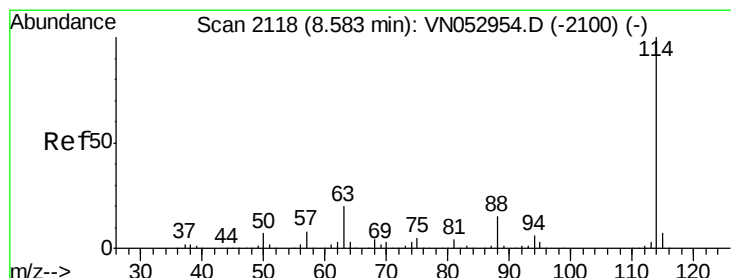
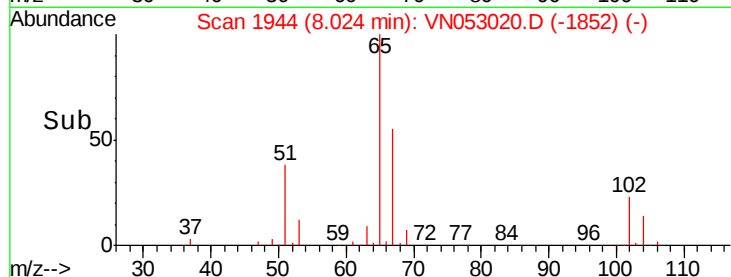
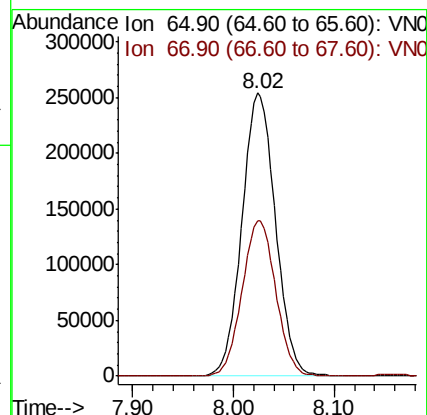
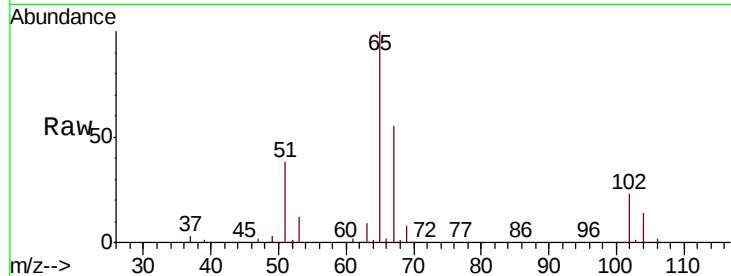




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

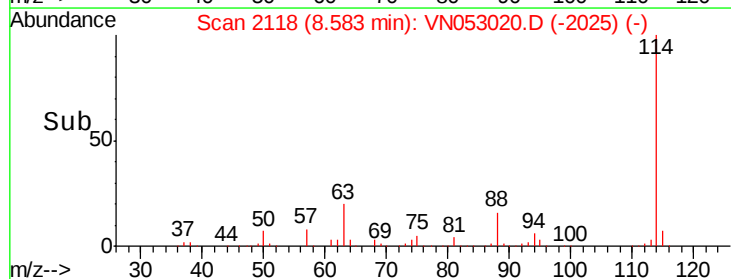
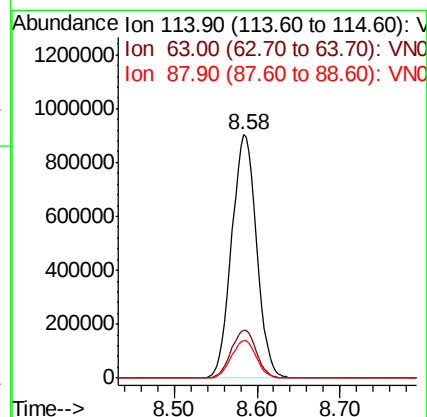
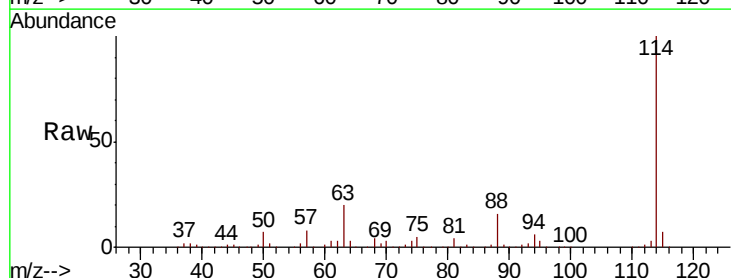
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0612-01ME

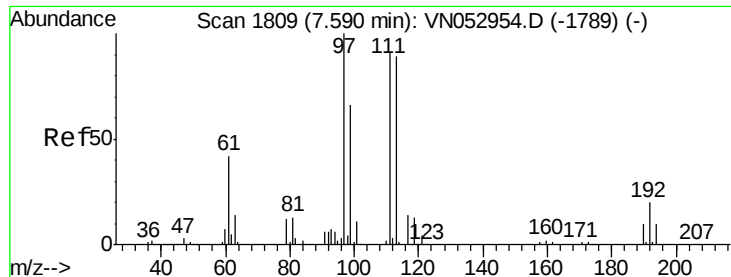
Tot Ion: 65 Resp: 584766
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

Tgt Ion: 114 Resp: 1891524
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.6 0.0 31.0

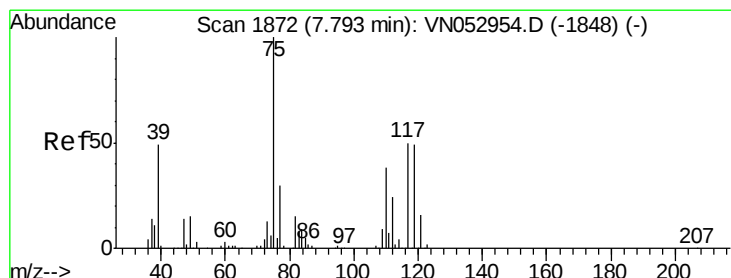
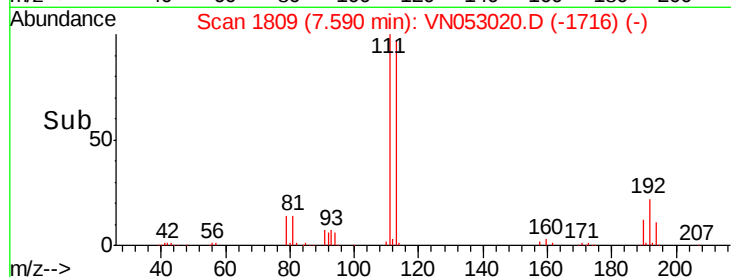
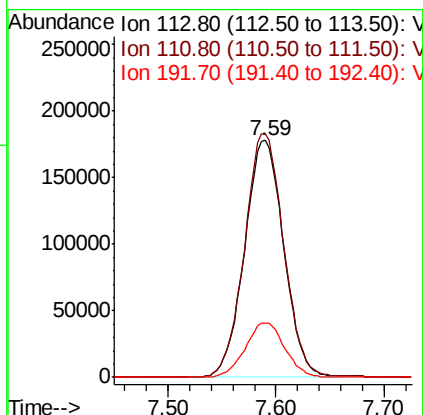
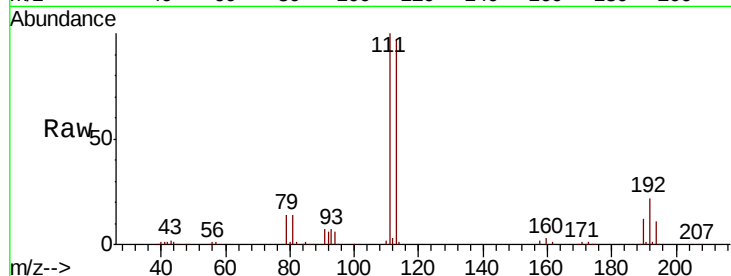




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

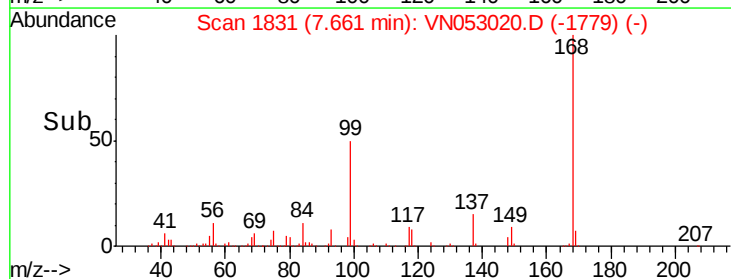
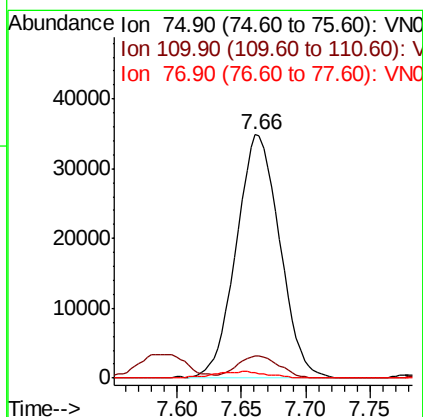
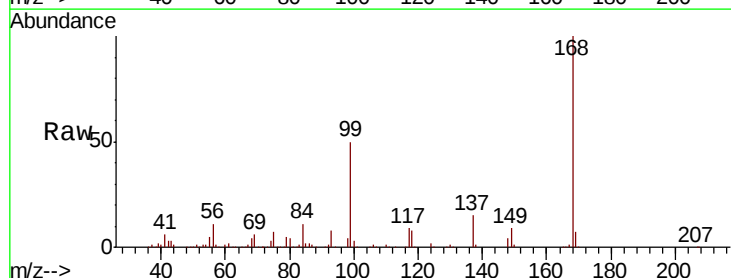
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0612-01ME

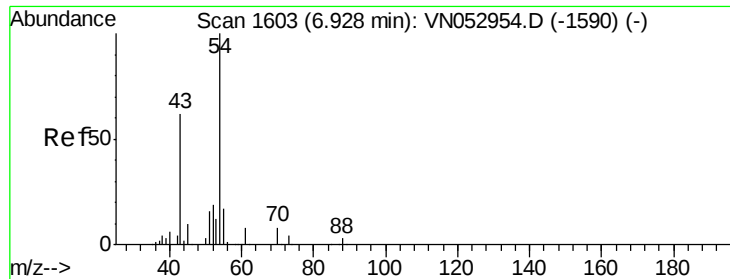
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.4
192	23.1	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.503 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	3.1	24.9	37.3#

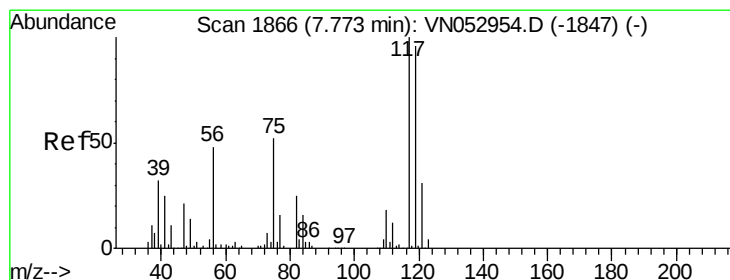
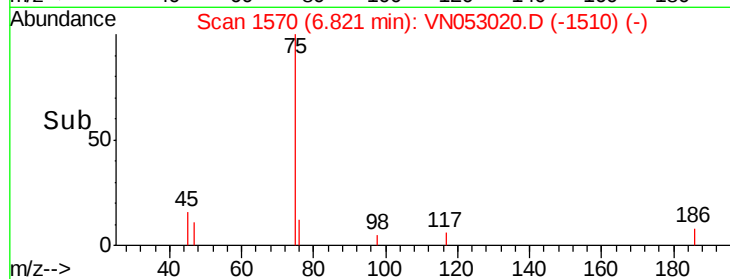
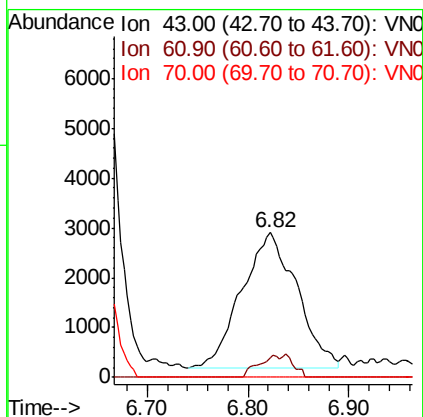
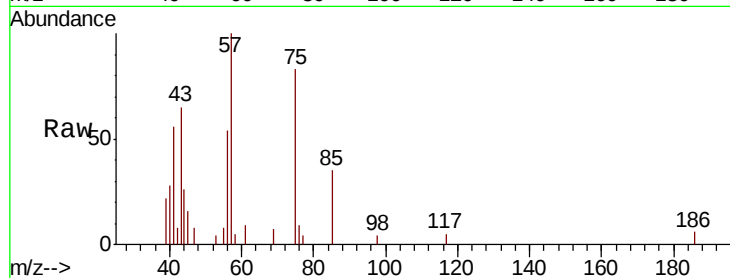




#37
Ethyl Acetate
Concen: 1.032 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.11 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

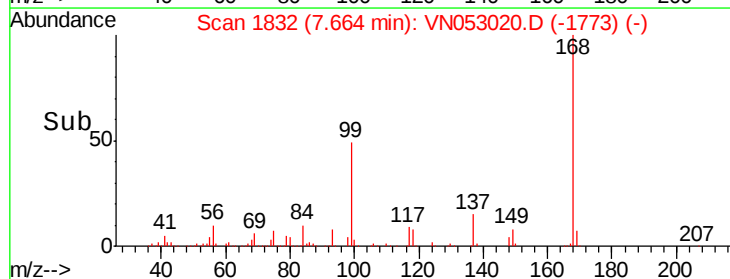
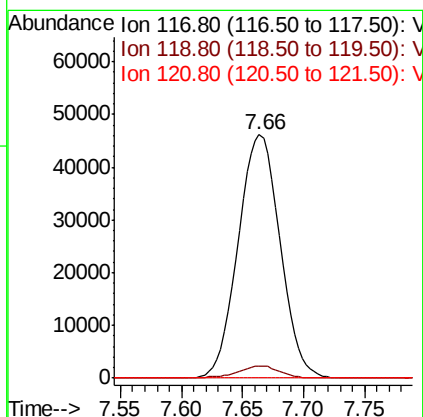
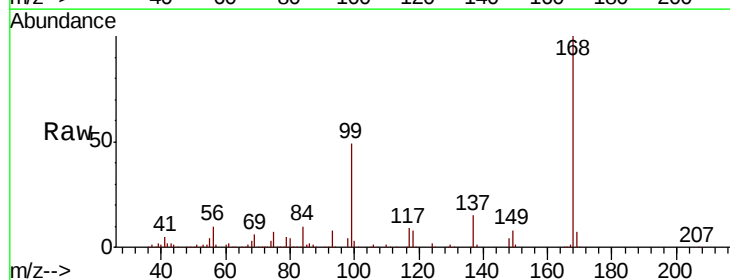
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

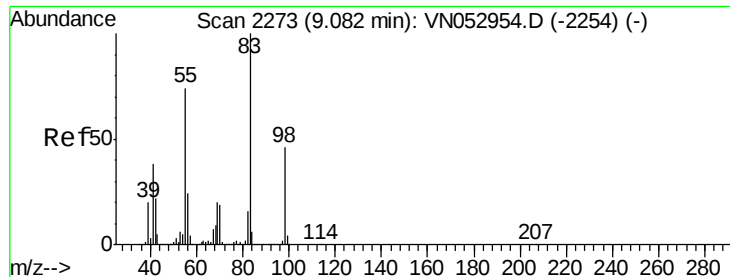
Tot Ion: 43 Resp: 10460
Ion Ratio Lower Upper
43 100
61 6.2 11.8 17.6#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.591 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion: 117 Resp: 109678
Ion Ratio Lower Upper
117 100
119 5.2 77.1 115.7#
121 0.0 24.9 37.3#

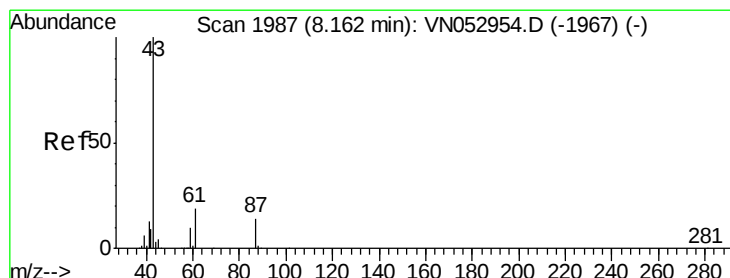
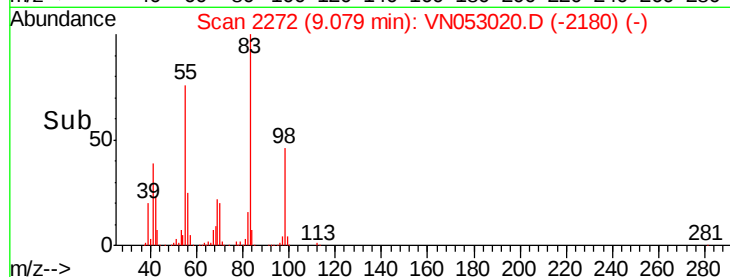
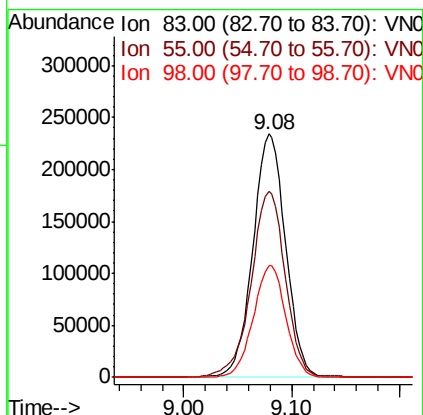
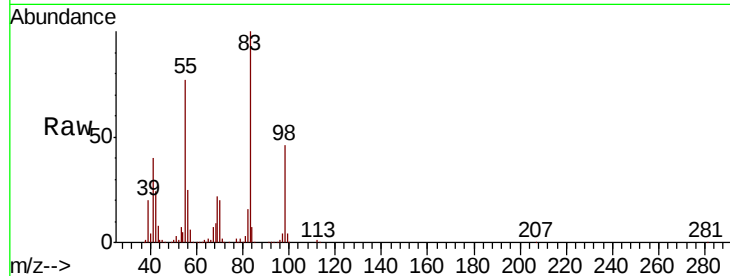




#39
Methylcyclohexane
Concen: 22.311 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

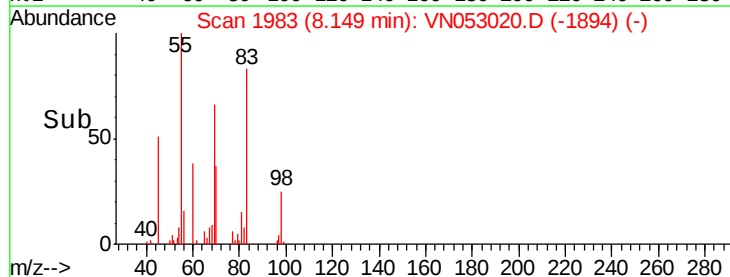
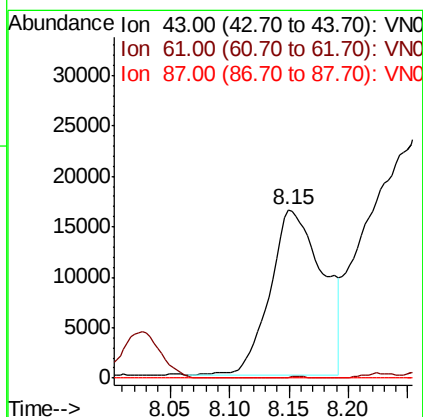
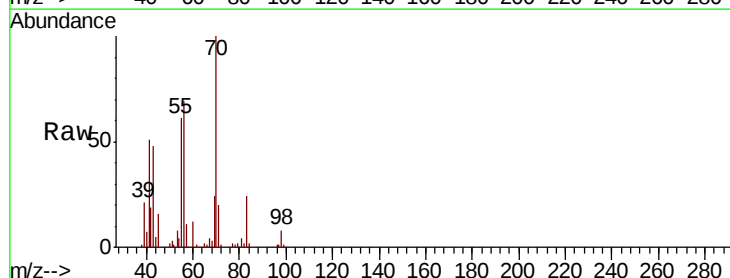
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

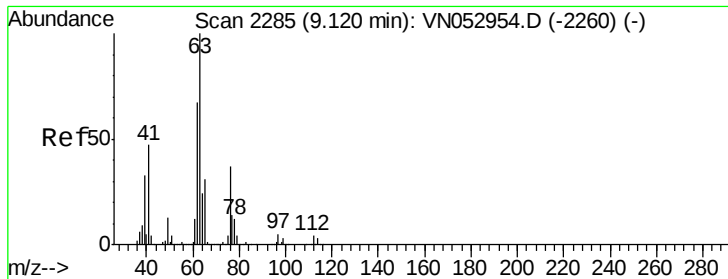
Tot Ion: 83 Resp: 492060
Ion Ratio Lower Upper
83 100
55 76.4 61.3 91.9
98 45.8 37.0 55.4



#43
Isopropyl Acetate
Concen: 1.571 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.01 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion: 43 Resp: 50663
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 10.6 15.8#





#45

1,2-Dichloropropane

Concen: 0.268 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.04 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

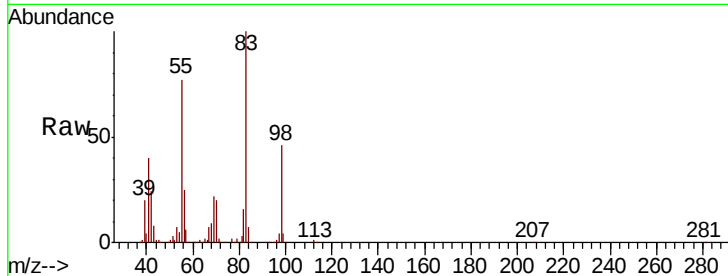
P001-SD013-0612-01ME

Tot Ion: 63 Resp: 3776

Ion Ratio Lower Upper

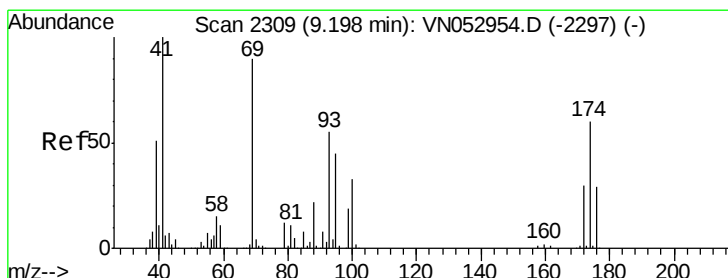
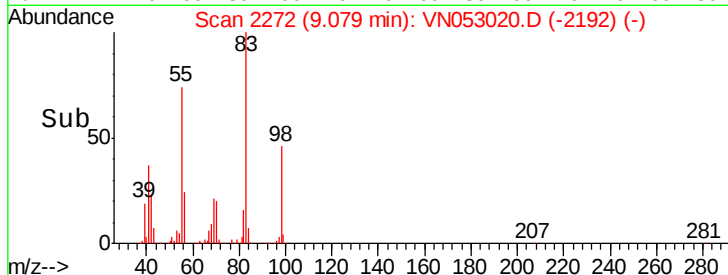
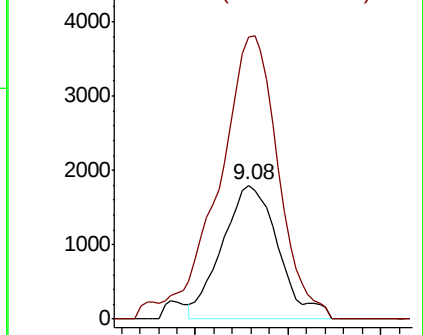
63 100

65 210.5 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 1.219 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

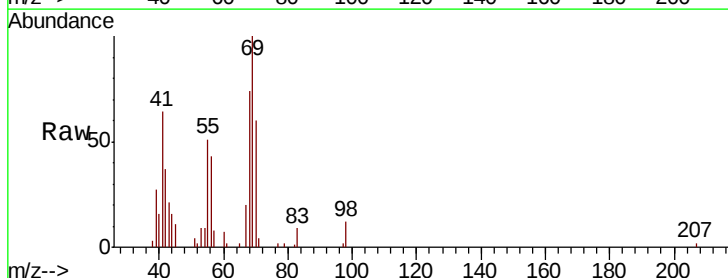
Tgt Ion: 41 Resp: 11987

Ion Ratio Lower Upper

41 100

69 174.0 72.2 108.2#

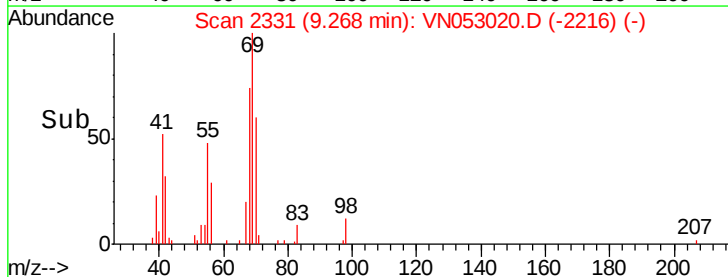
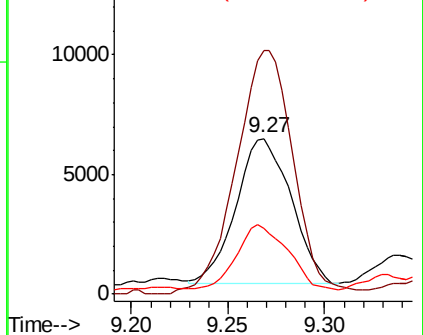
39 41.4 41.9 62.9#

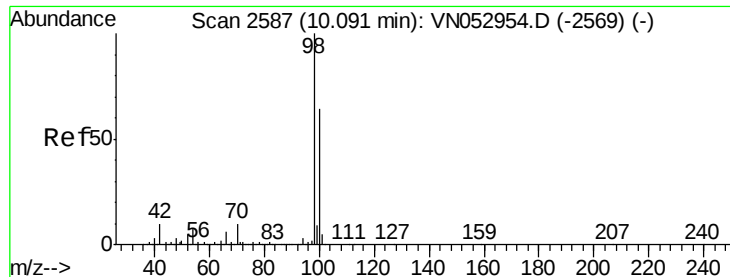


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

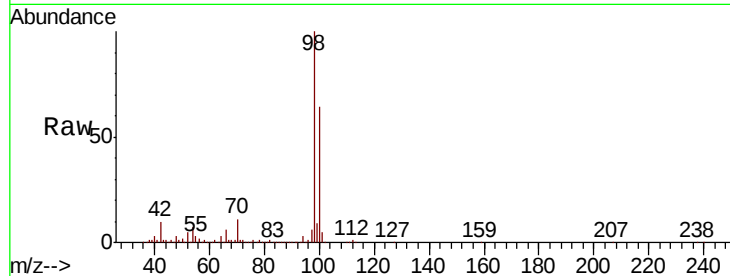
P001-SD013-0612-01ME

Tot Ion: 98 Resp: 2350693

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053020.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053020.D (-2494) (-)

10.09

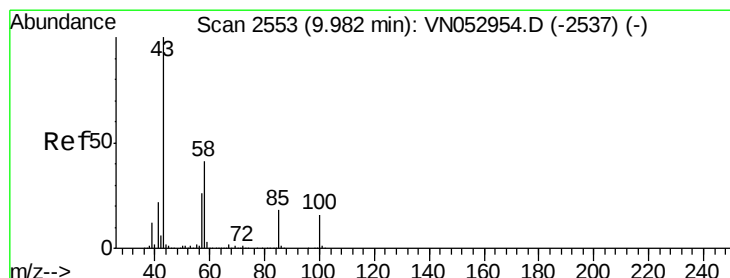
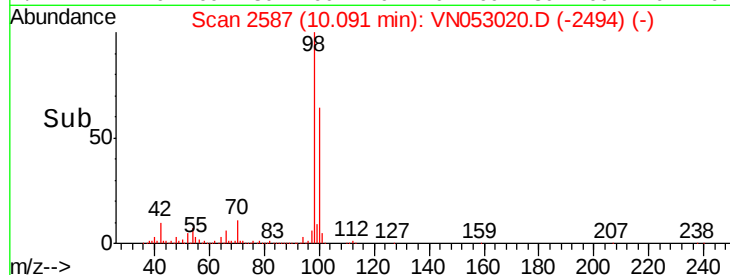
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.715 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN053020.D

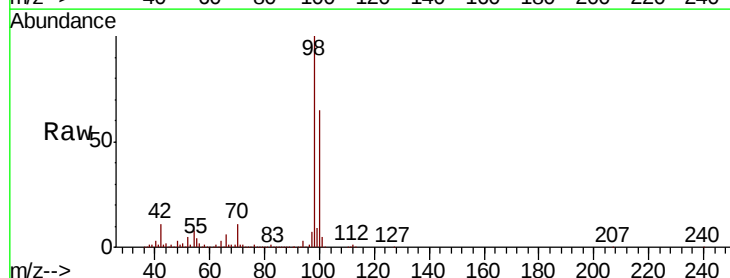
Acq: 19 Dec 2018 19:17

Tgt Ion: 43 Resp: 16836

Ion Ratio Lower Upper

43 100

58 109.5 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053020.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053020.D (-2460) (-)

10.08

10000

8000

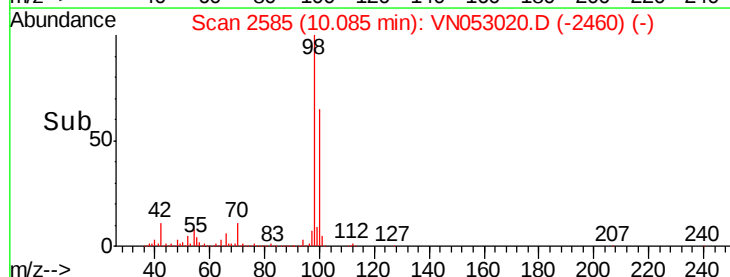
6000

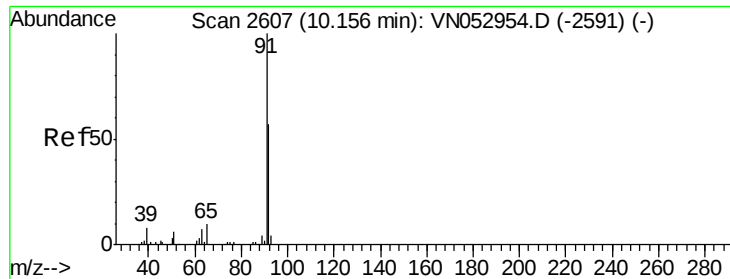
4000

2000

0

Time-->





#52

Toluene

Concen: 0.748 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

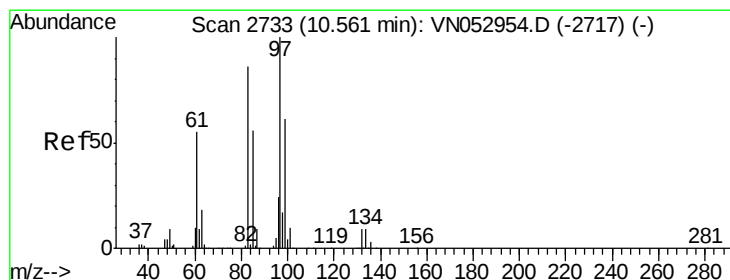
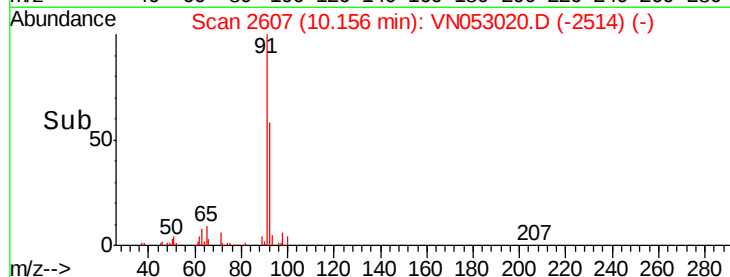
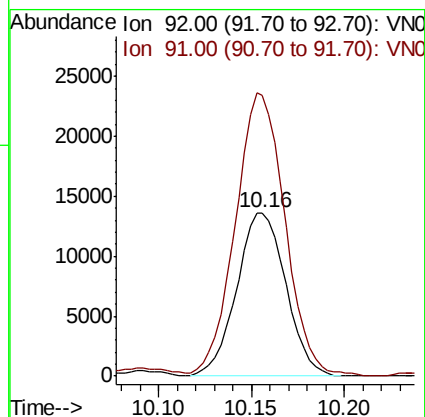
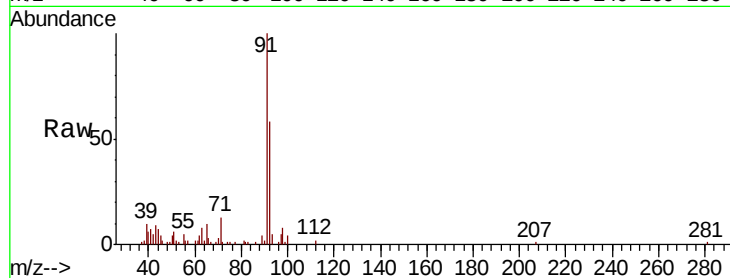
P001-SD013-0612-01ME

Tot Ion: 92 Resp: 25043

Ion Ratio Lower Upper

92 100

91 175.9 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 3.653 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Tgt Ion: 97 Resp: 42653

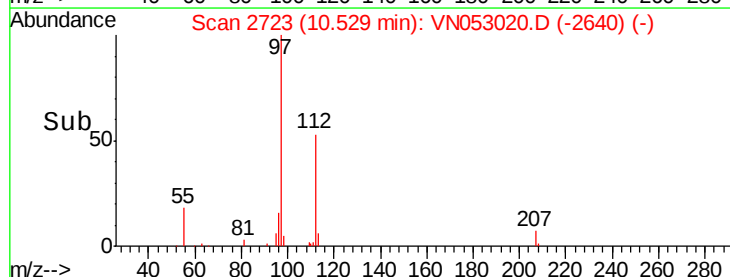
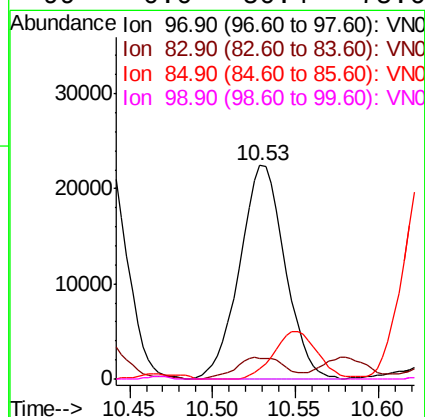
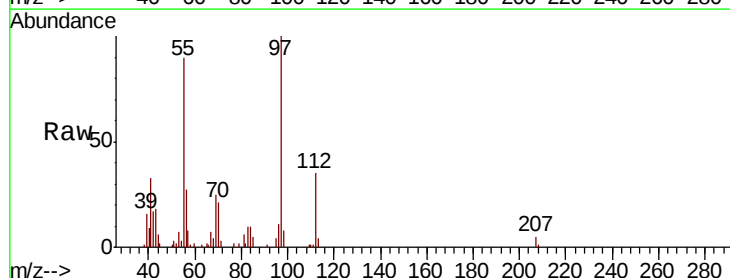
Ion Ratio Lower Upper

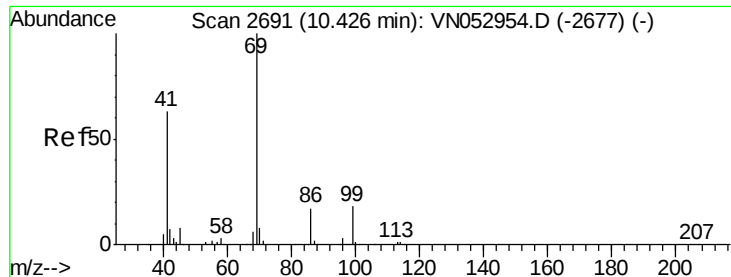
97 100

83 9.8 70.9 106.3#

85 3.7 45.4 68.2#

99 0.0 50.4 75.6#





#56

Ethyl methacrylate

Concen: 0.950 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

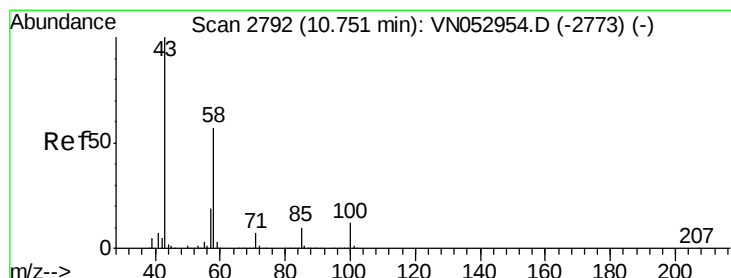
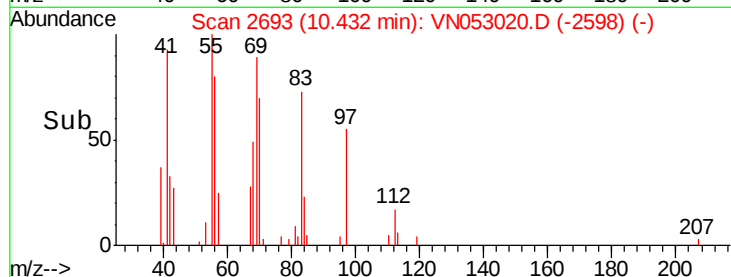
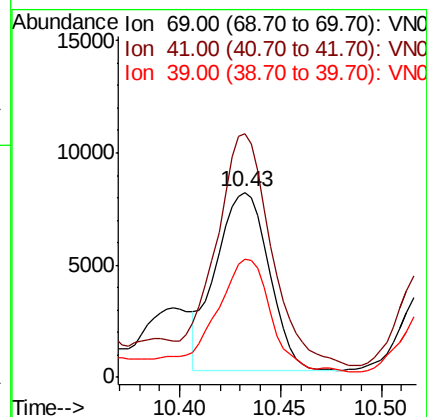
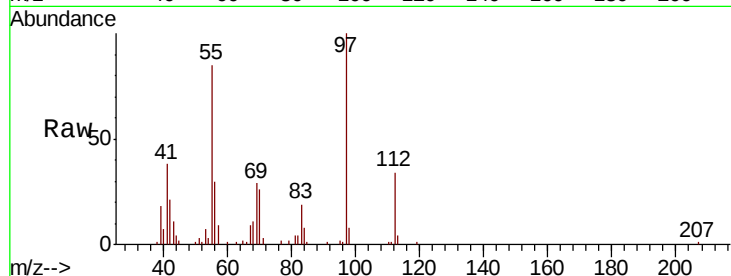
Tot Ion: 69 Resp: 14687

Ion Ratio Lower Upper

69 100

41 135.7 51.7 77.5#

39 64.3 24.6 37.0#



#59

2-Hexanone

Concen: 14.575 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN053020.D

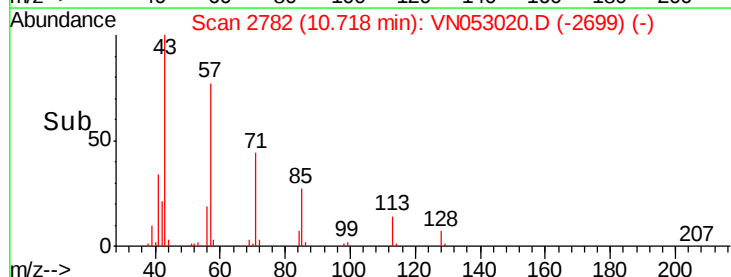
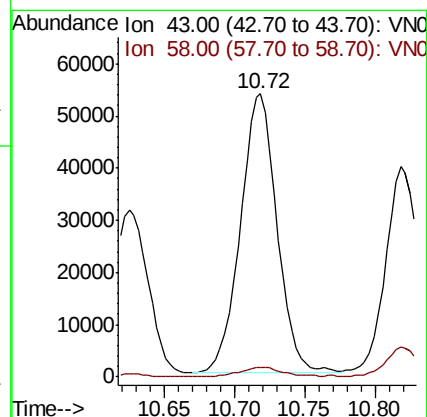
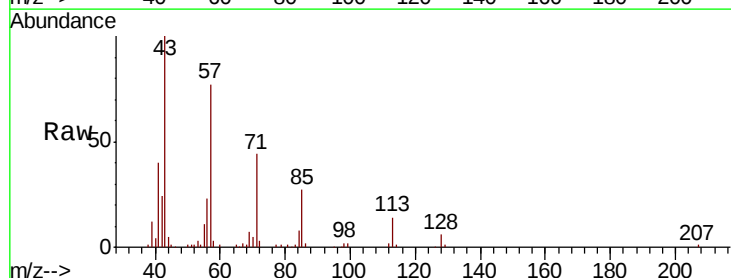
Acq: 19 Dec 2018 19:17

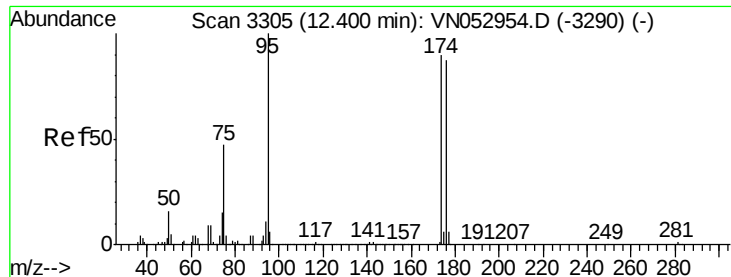
Tgt Ion: 43 Resp: 96791

Ion Ratio Lower Upper

43 100

58 4.2 28.1 84.3#

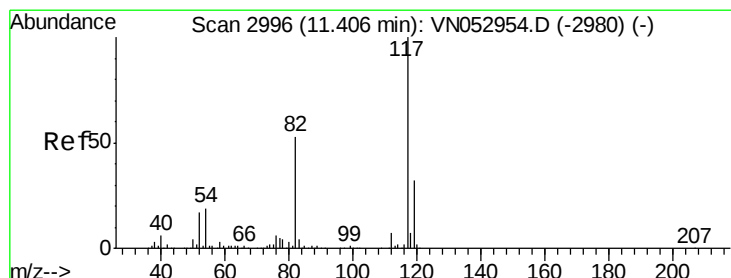
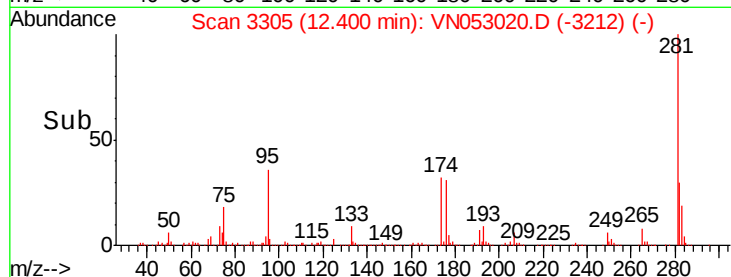
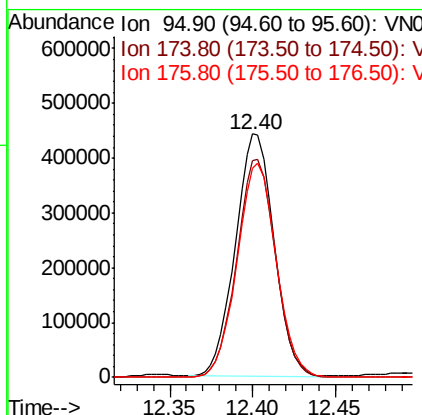
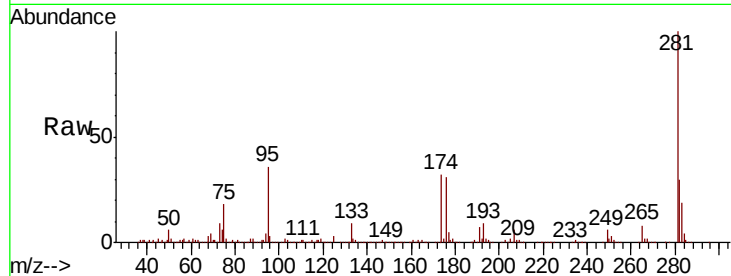




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

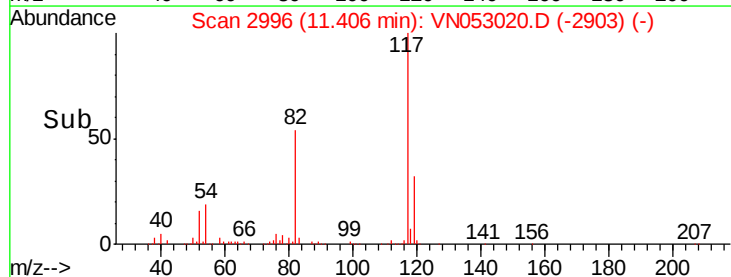
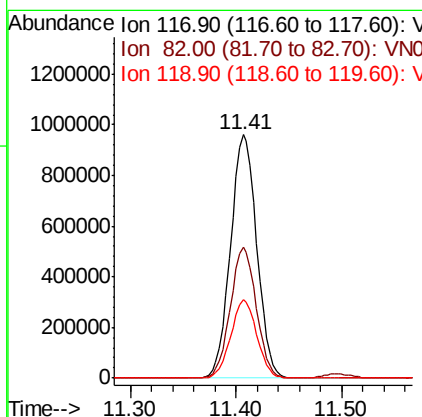
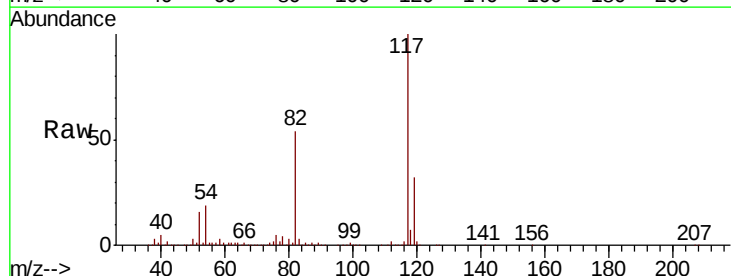
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

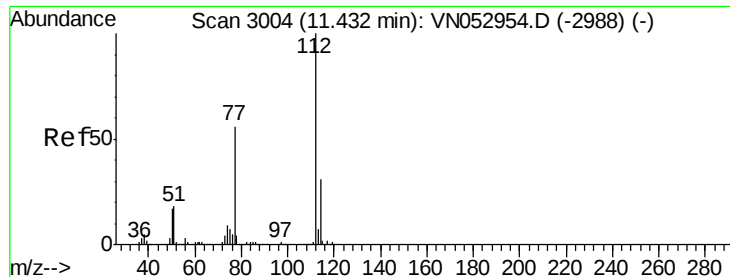
Tot Ion: 95 Resp: 722401
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.8
176 89.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion: 117 Resp: 1648512
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.0 25.5 38.3





#65

Chlorobenzene

Concen: 10.706 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

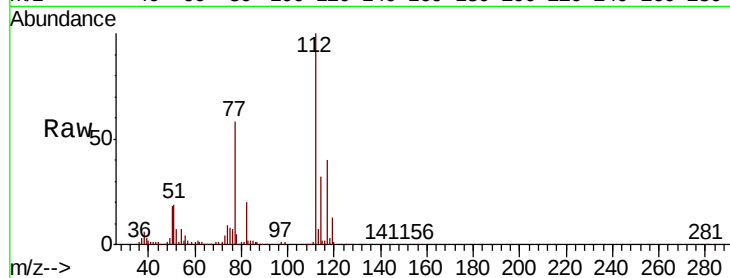
P001-SD013-0612-01ME

Tot Ion:112 Resp: 391229

Ion Ratio Lower Upper

112 100

114 32.2 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

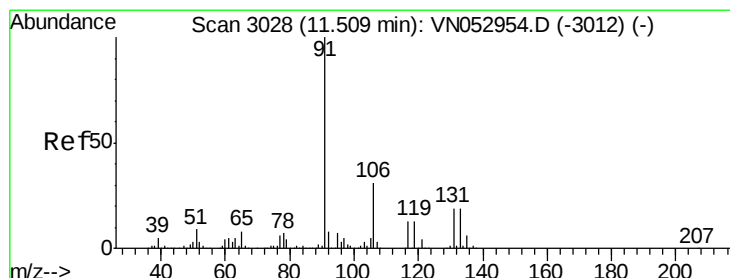
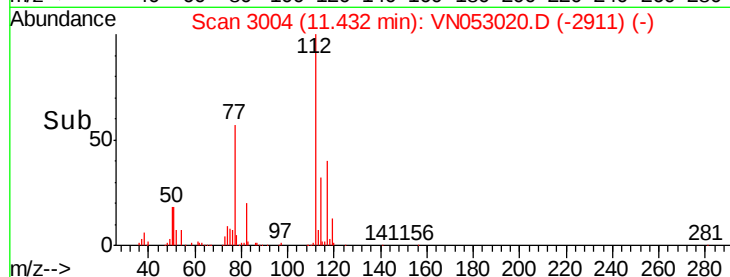
150000

100000

50000

0

Time-->



#67

Ethyl Benzene

Concen: 10.269 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053020.D

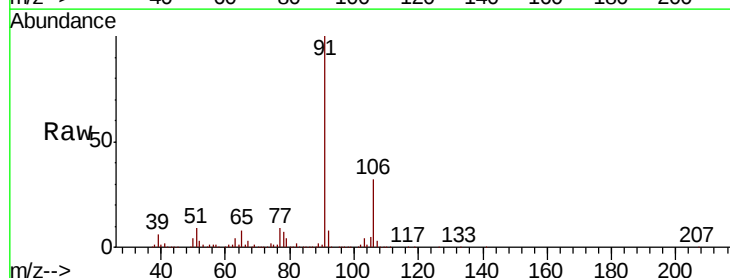
Acq: 19 Dec 2018 19:17

Tgt Ion: 91 Resp: 645321

Ion Ratio Lower Upper

91 100

106 31.7 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1e+07

8000000

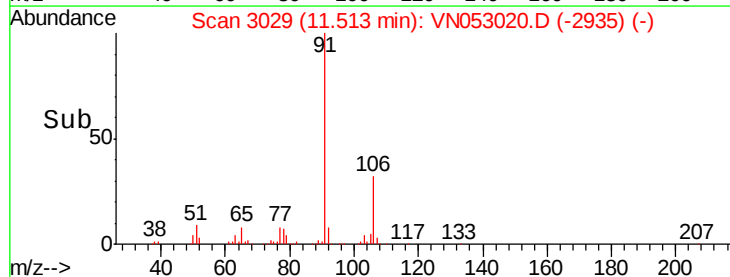
6000000

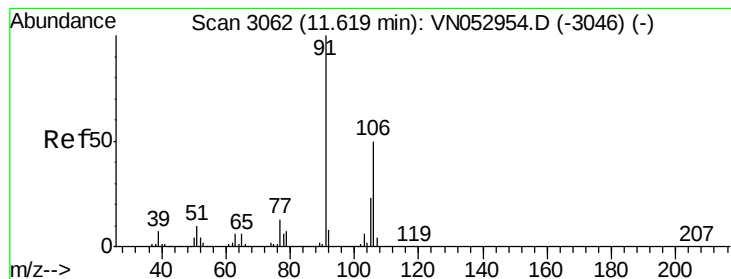
4000000

2000000

0

Time-->





#68

m/p-Xylenes

Concen: 596.608 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

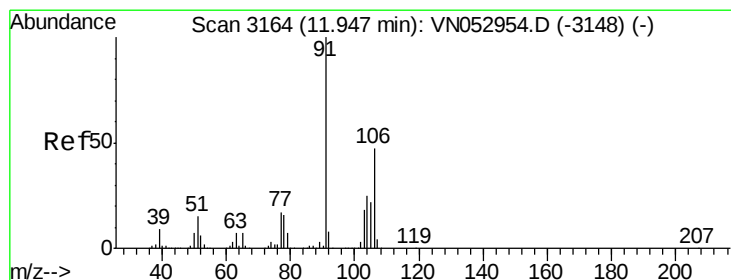
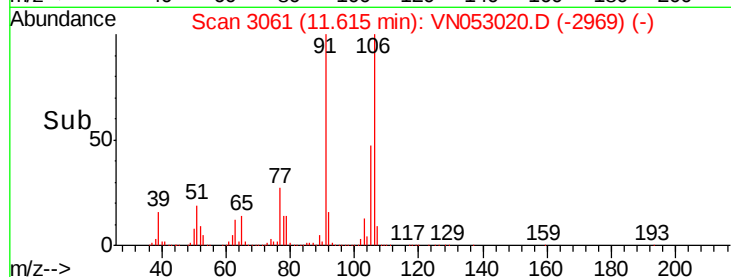
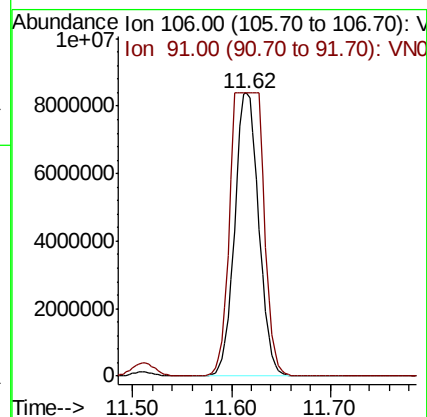
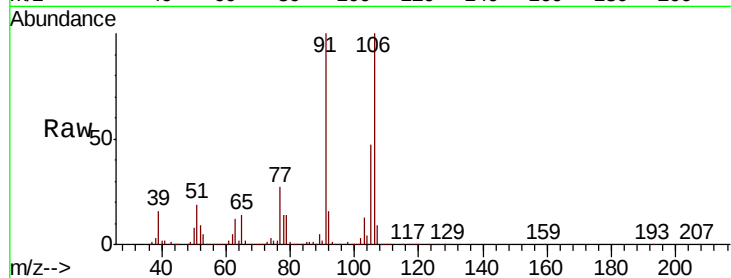
P001-SD013-0612-01ME

Tot Ion:106 Resp:14253353

Ion Ratio Lower Upper

106 100

91 0.0 162.2 243.4#



#69

o-Xylene

Concen: 10.404 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053020.D

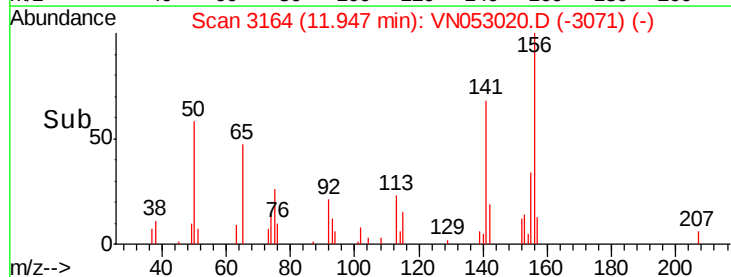
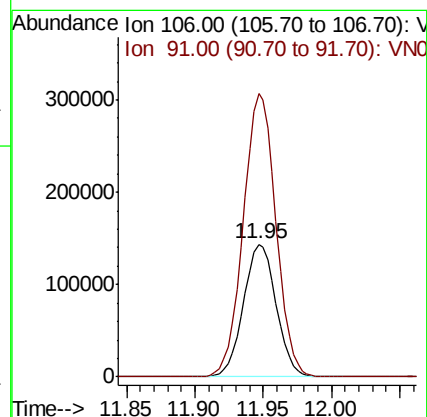
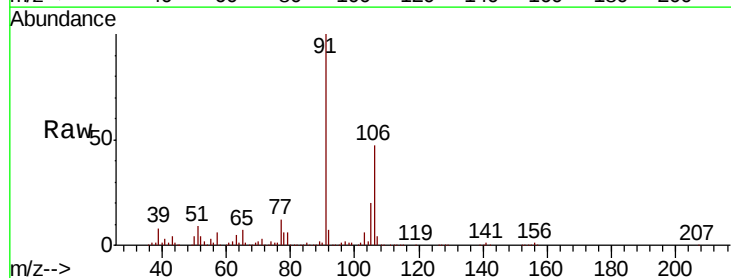
Acq: 19 Dec 2018 19:17

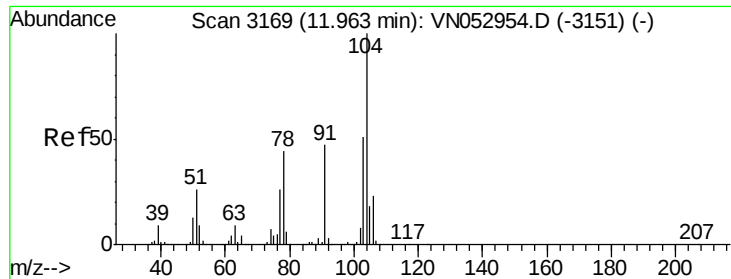
Tgt Ion:106 Resp: 238516

Ion Ratio Lower Upper

106 100

91 212.8 106.6 319.8





#70

Stvrene

Concen: 0.370 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

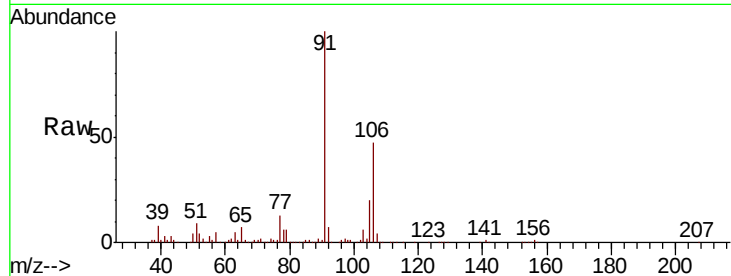
Tot Ion:104 Resp: 13847

Ion Ratio Lower Upper

104 100

78 240.0 38.9 58.3#

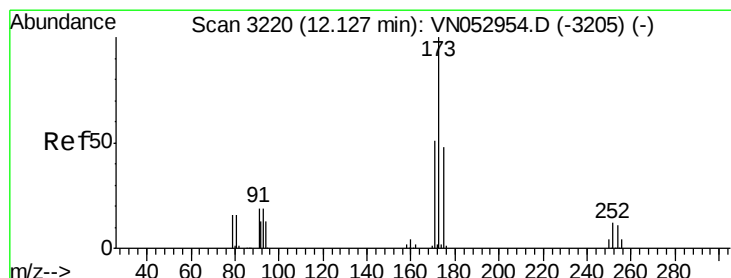
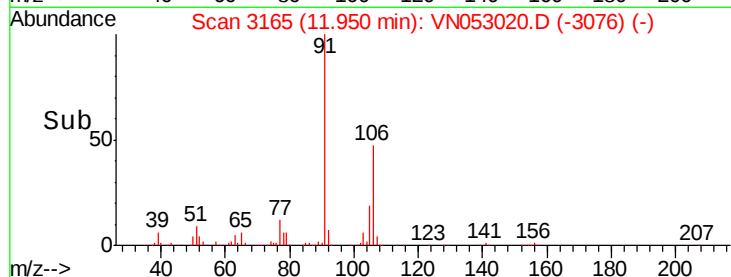
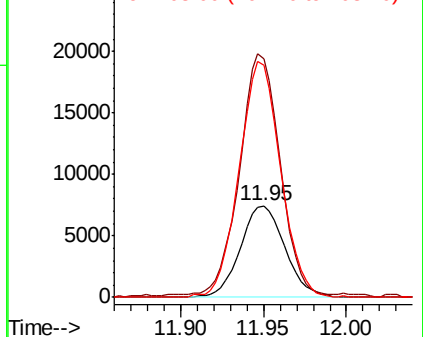
103 239.9 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.555 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

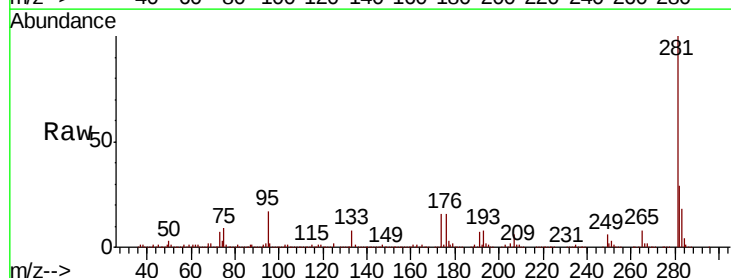
Tgt Ion:173 Resp: 5094

Ion Ratio Lower Upper

173 100

175 908.9 24.3 72.9#

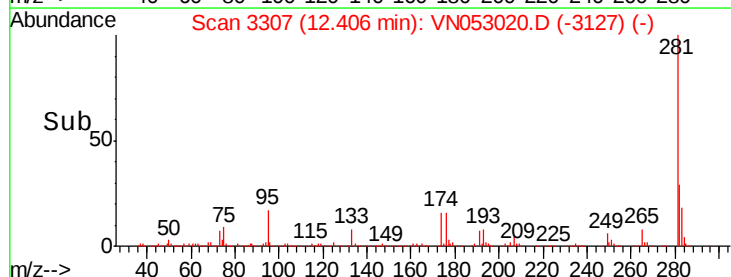
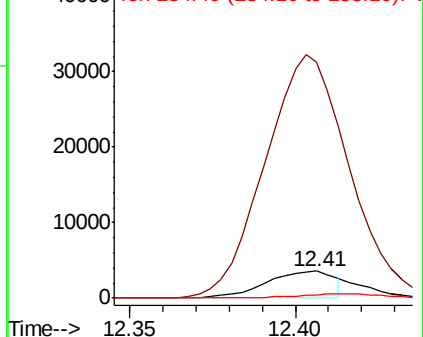
254 0.0 0.1 0.1#

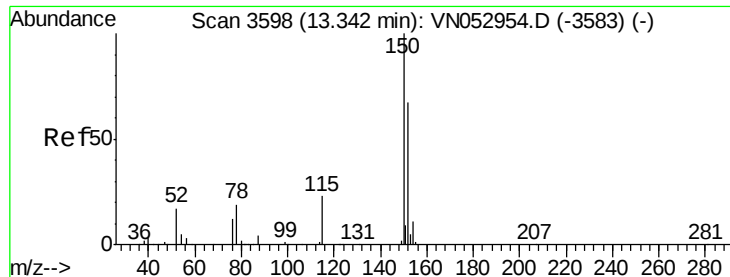


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

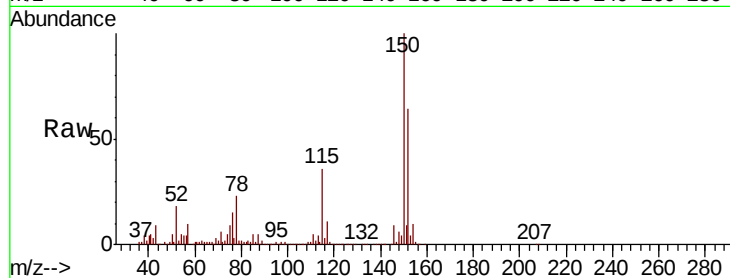
Tot Ion:152 Resp: 684169

Ion Ratio Lower Upper

152 100

115 59.1 28.3 85.0

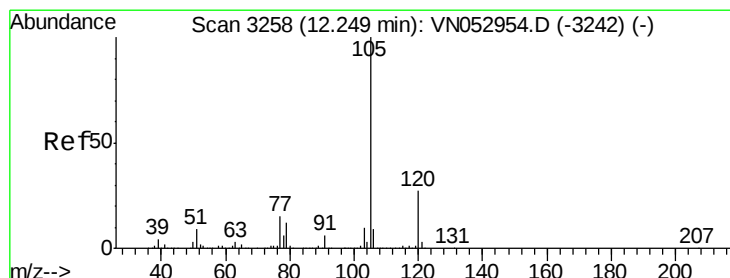
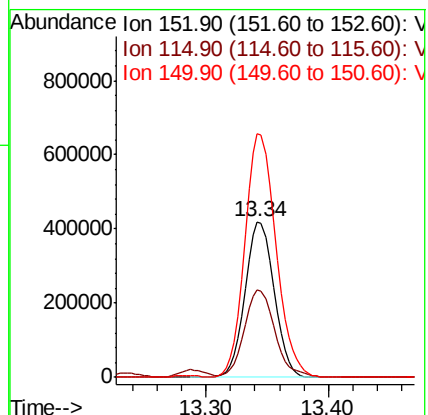
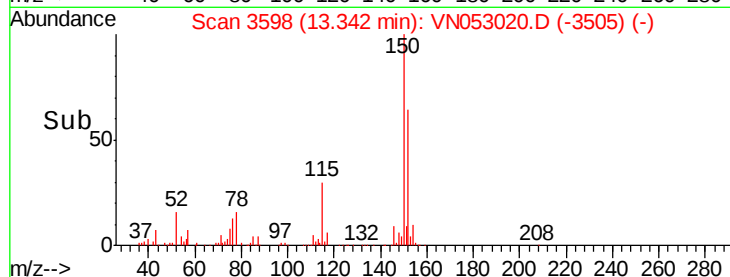
150 168.1 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 4.665 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053020.D

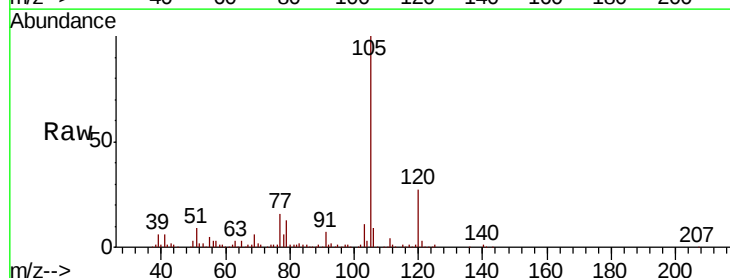
Acq: 19 Dec 2018 19:17

Tgt Ion:105 Resp: 249745

Ion Ratio Lower Upper

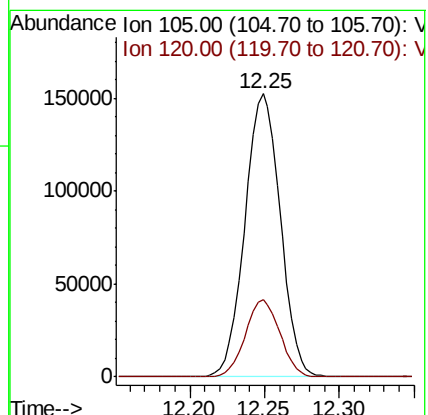
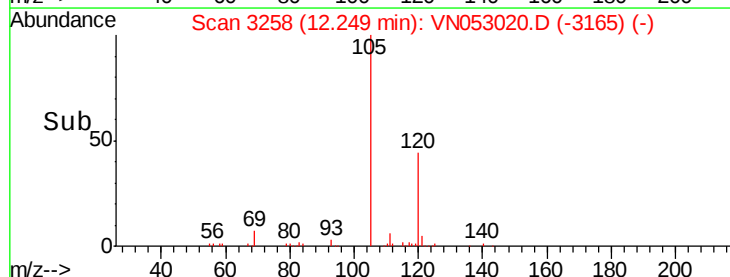
105 100

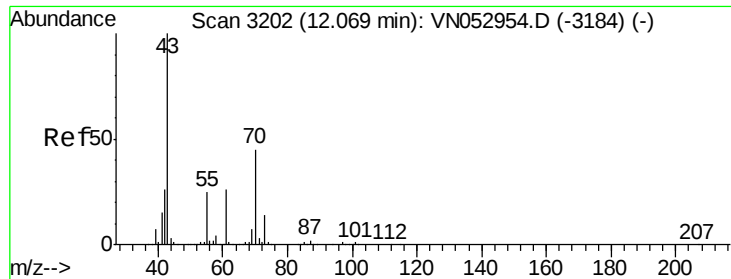
120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 4.041 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

Tot Ion: 43 Resp: 60051

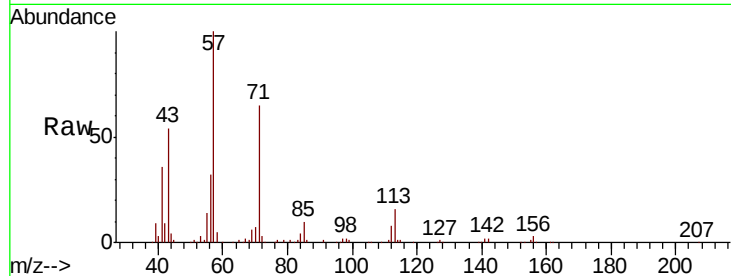
Ion Ratio Lower Upper

43 100

70 11.8 34.2 51.4#

55 9.6 20.3 30.5#

61 0.0 20.0 30.0#

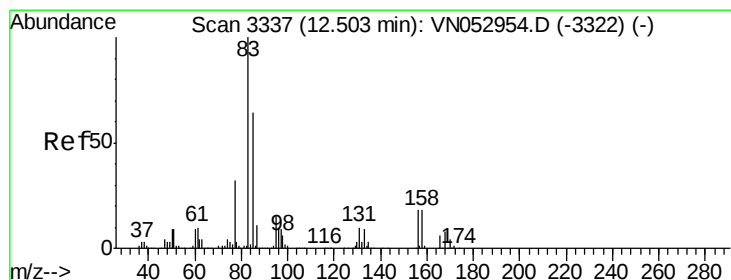
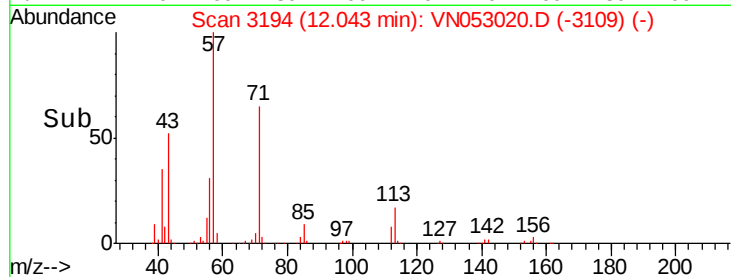
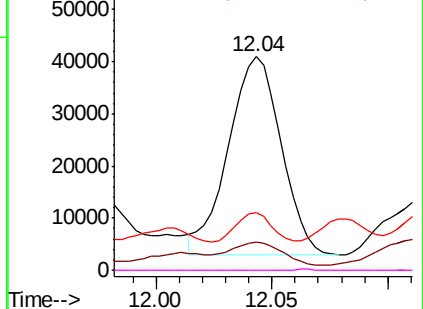


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.597 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.06 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

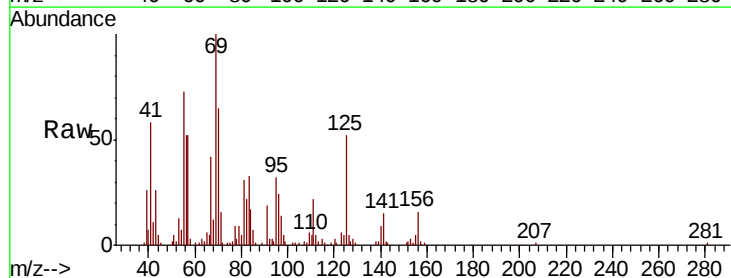
Tgt Ion: 83 Resp: 16769

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

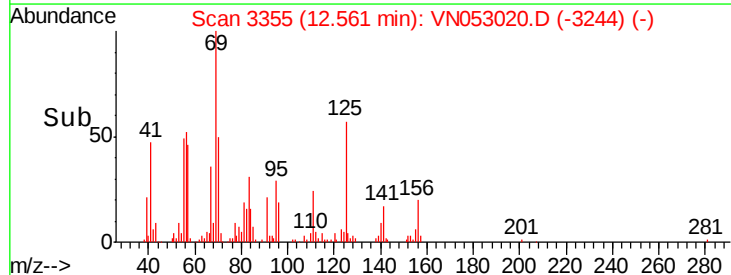
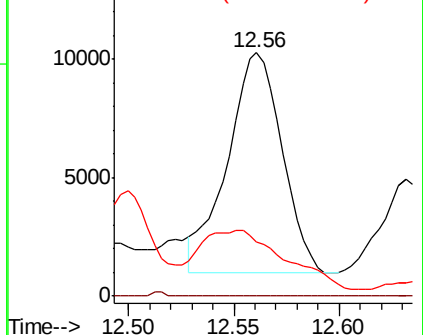
85 41.6 32.4 97.0

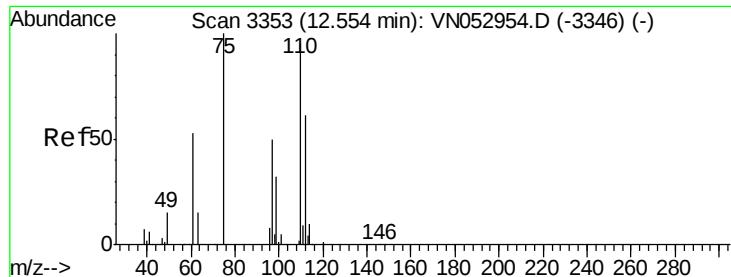


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.294 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

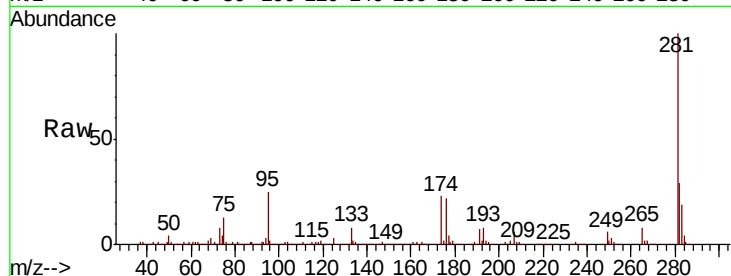
P001-SD013-0612-01ME

Tot Ion: 75 Resp: 383461

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

12.40

250000

200000

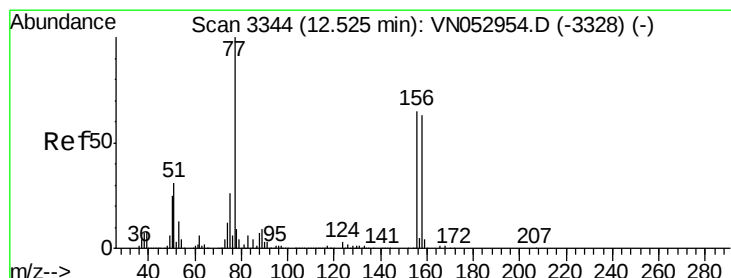
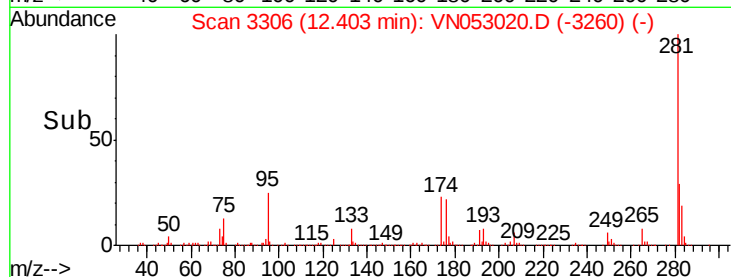
150000

100000

50000

0

Time--> 12.30 12.35 12.40 12.45



#77

Bromobenzene

Concen: 1.199 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.03 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

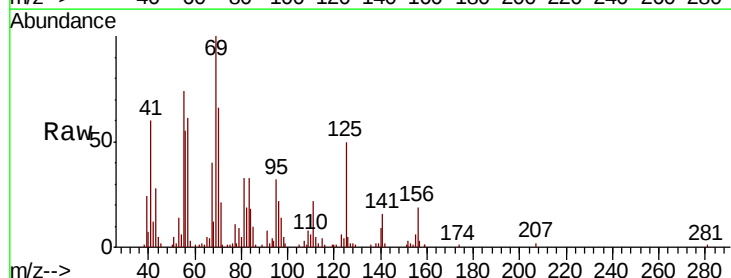
Tgt Ion: 156 Resp: 16680

Ion Ratio Lower Upper

156 100

77 0.0 91.3 273.8#

158 5.9 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

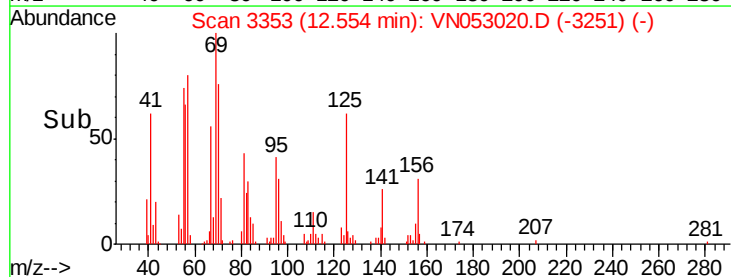
15000

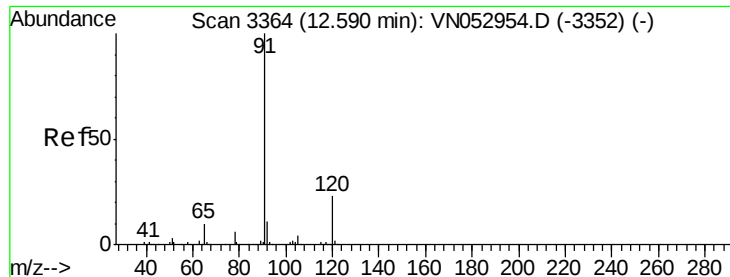
10000

5000

0

Time--> 12.40 12.50





#78

n-propylbenzene

Concen: 7.643 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

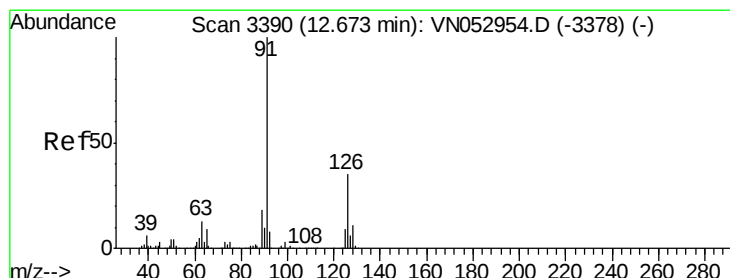
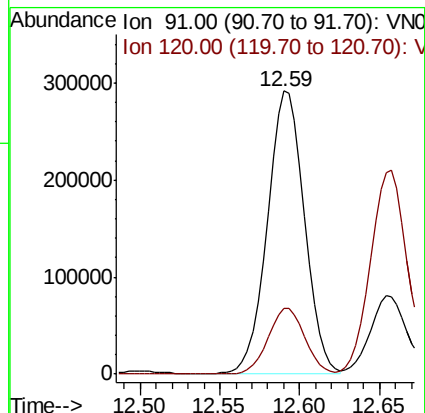
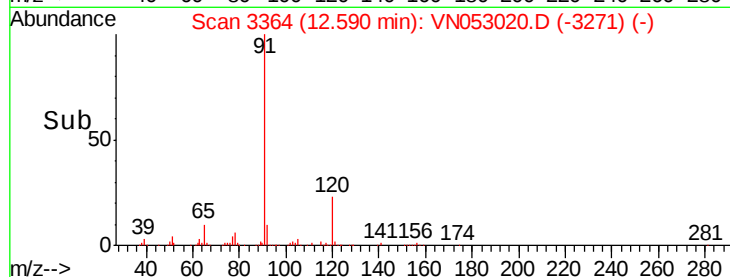
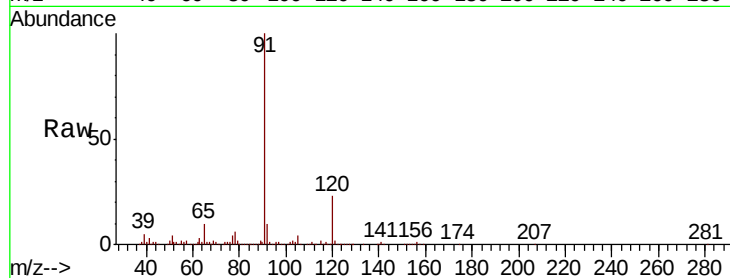
P001-SD013-0612-01ME

Tot Ion: 91 Resp: 465971

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5



#79

2-Chlorotoluene

Concen: 3.601 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN053020.D

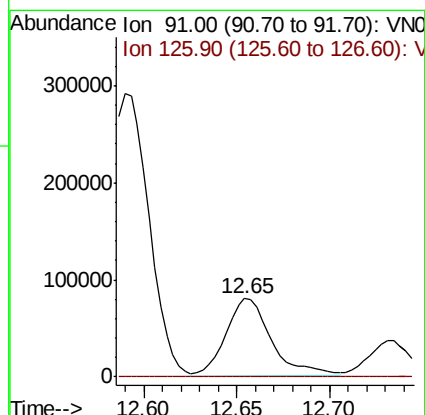
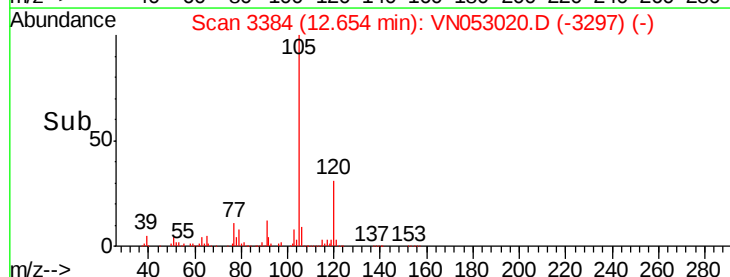
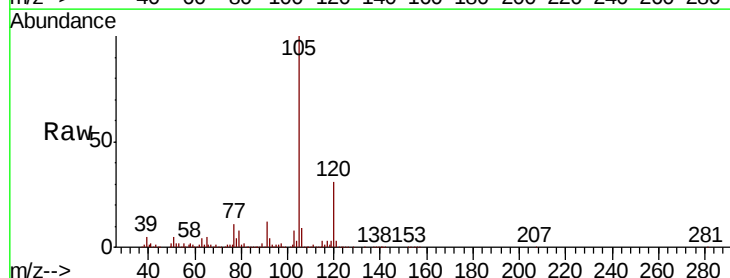
Acq: 19 Dec 2018 19:17

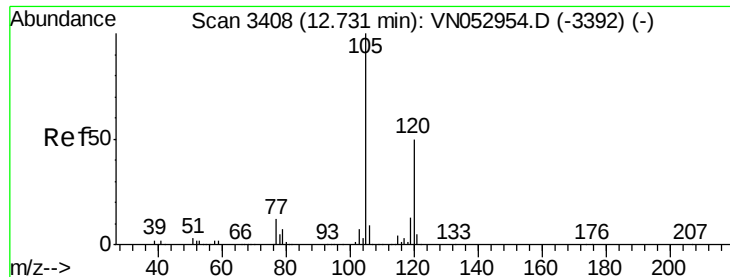
Tgt Ion: 91 Resp: 136088

Ion Ratio Lower Upper

91 100

126 1.1 17.4 52.3#





#80

1,3,5-Trimethylbenzene

Concen: 13.170 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

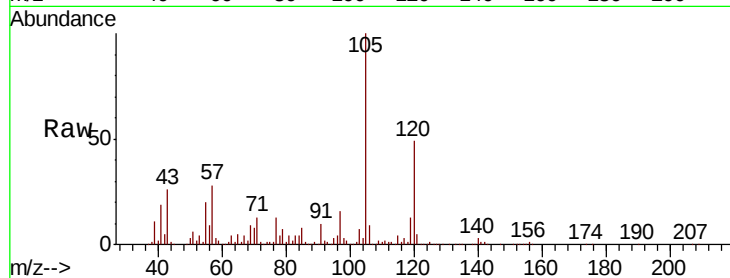
P001-SD013-0612-01ME

Tot Ion:105 Resp: 574637

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

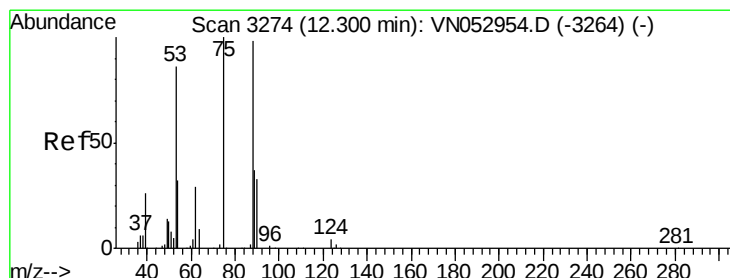
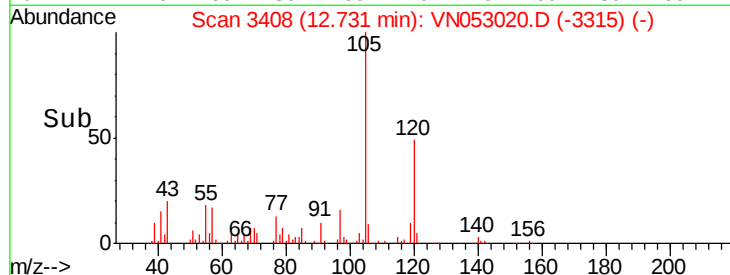
400000

200000

0

12.70 12.75 12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 107.312 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

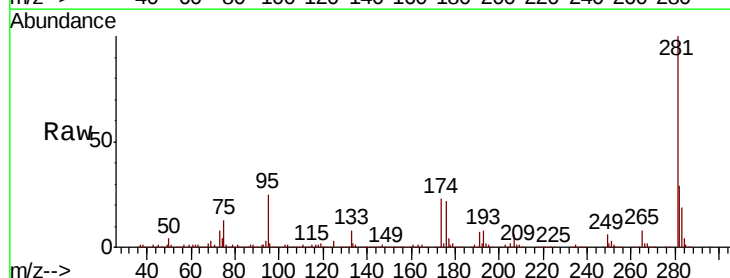
Tgt Ion: 75 Resp: 383461

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 4.8 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

300000

250000

200000

150000

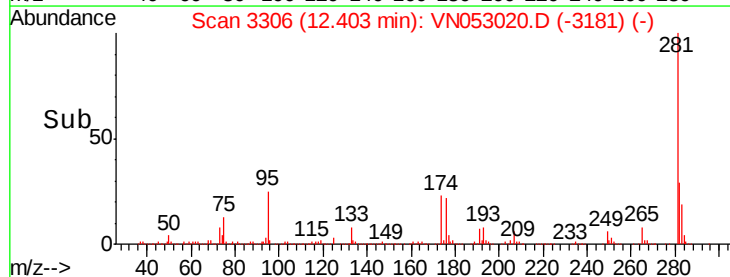
100000

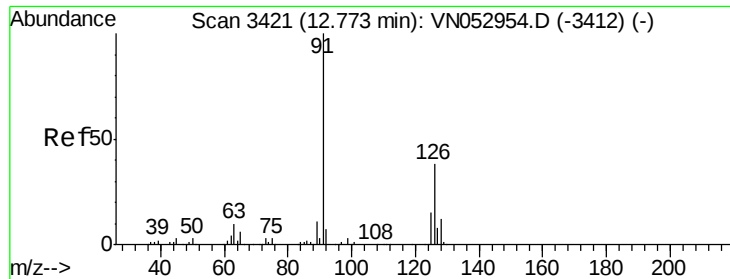
50000

0

12.30 12.35 12.40 12.45

Time-->





#82

4-Chlorotoluene

Concen: 1.608 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

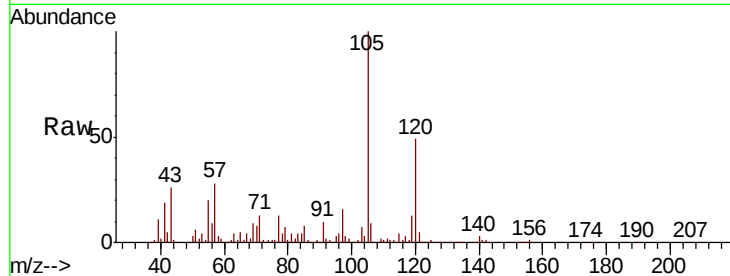
P001-SD013-0612-01ME

Tot Ion: 91 Resp: 59470

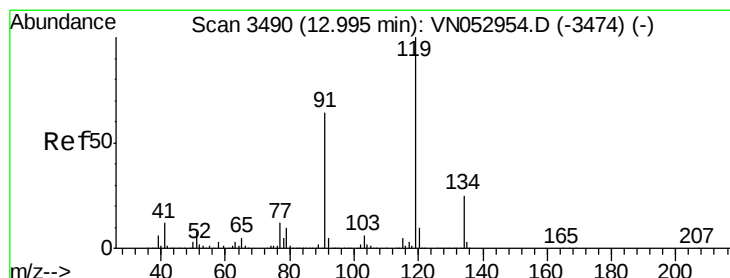
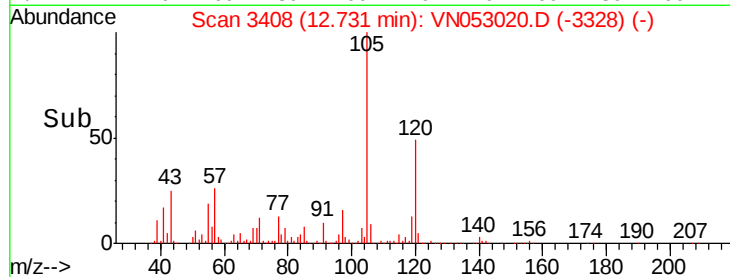
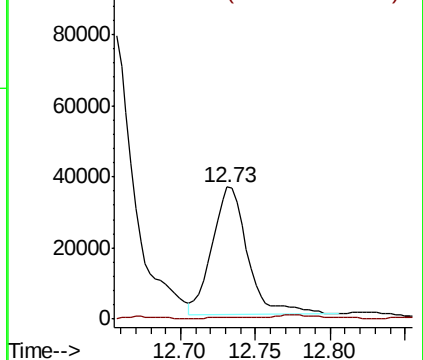
Ion Ratio Lower Upper

91 100

126 1.9 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN053020.D (-3328) (-)



#83

tert-Butylbenzene

Concen: 5.101 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.04 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

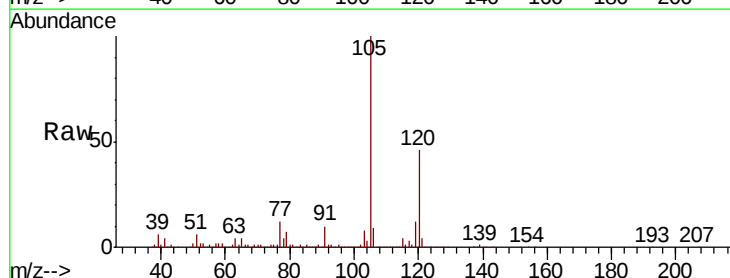
Tgt Ion: 119 Resp: 196824

Ion Ratio Lower Upper

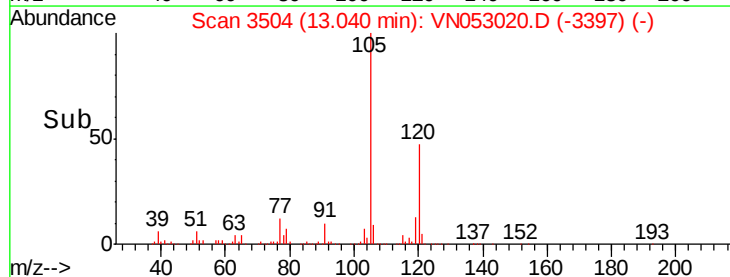
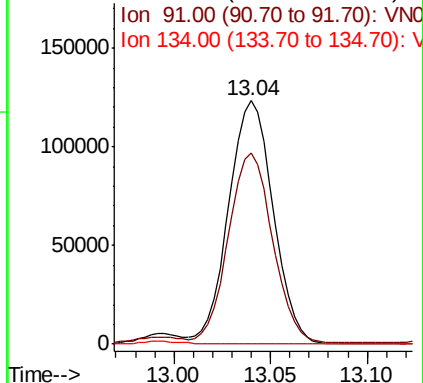
119 100

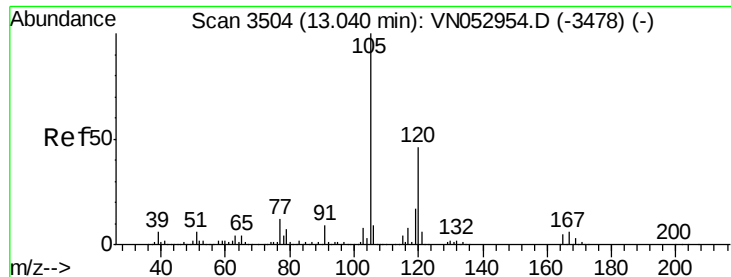
91 77.5 31.9 95.5

134 0.0 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): VN053020.D (-3397) (-)





#84

1,2,4-Trimethylbenzene

Concen: 36.238 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

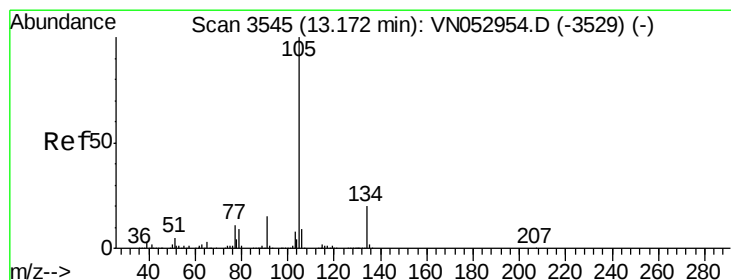
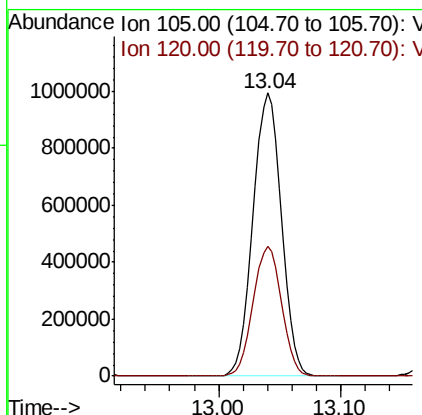
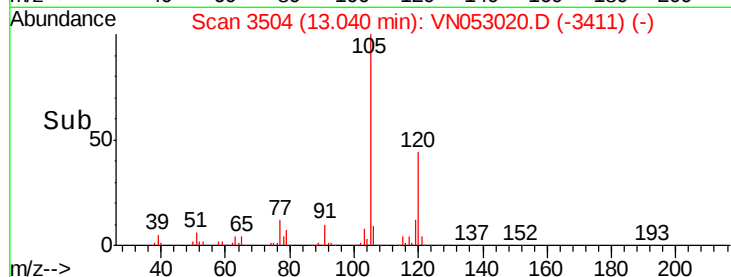
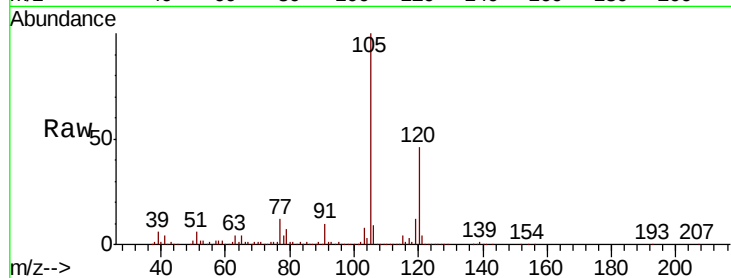
P001-SD013-0612-01ME

Tot Ion:105 Resp: 1589492

Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.8



#85

sec-Butylbenzene

Concen: 1.208 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053020.D

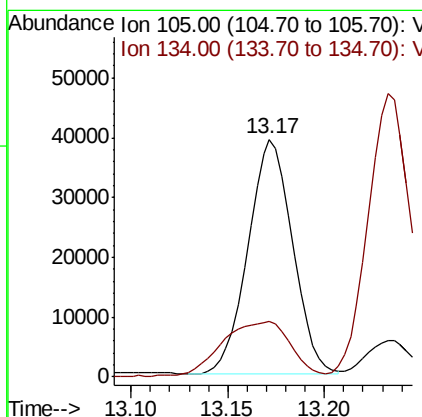
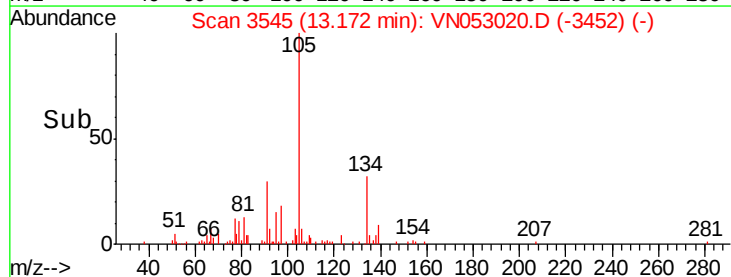
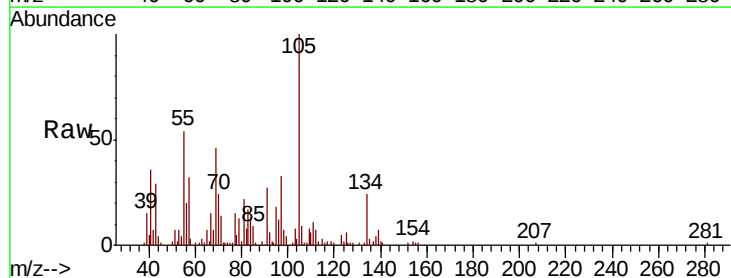
Acq: 19 Dec 2018 19:17

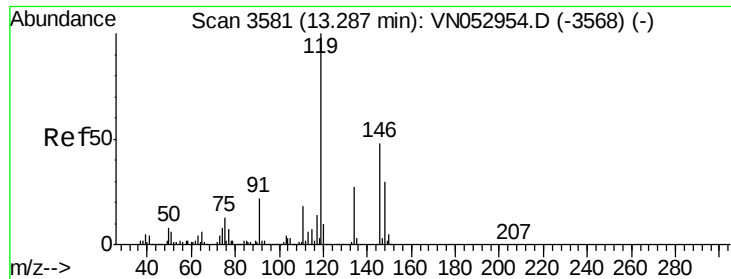
Tgt Ion:105 Resp: 63031

Ion Ratio Lower Upper

105 100

134 34.6 10.1 30.3#

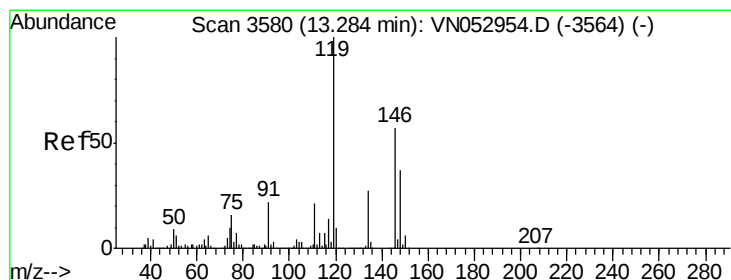
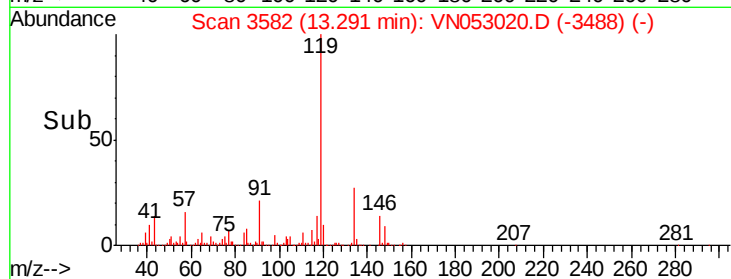
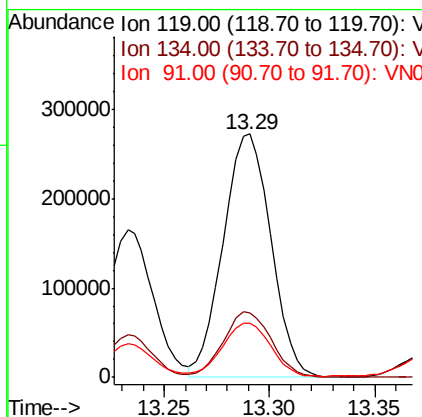
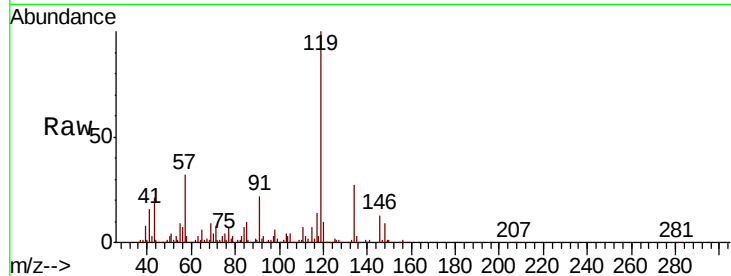




#86
 p-Isopropyltoluene
 Concen: 9.475 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

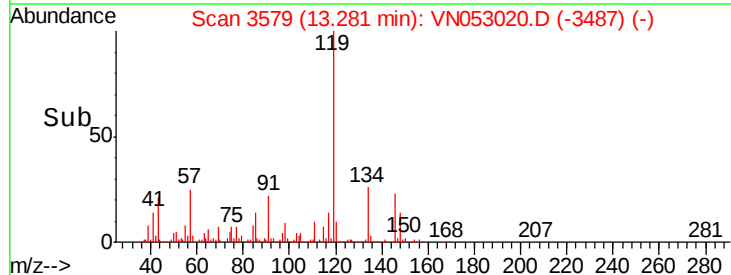
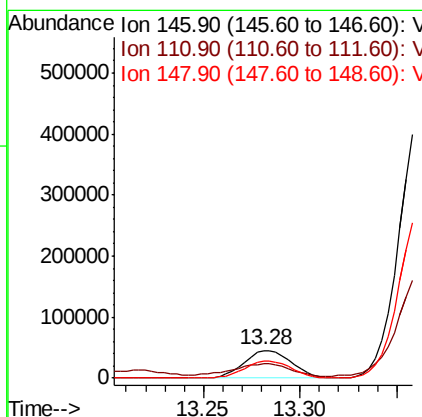
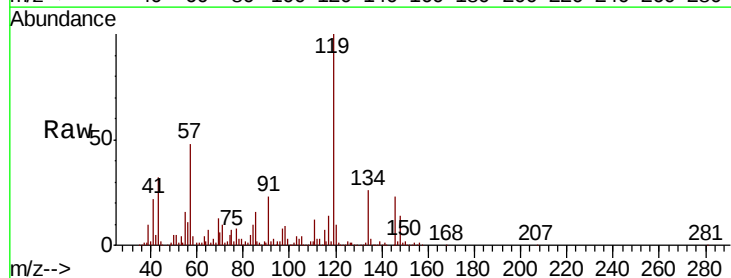
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0612-01ME

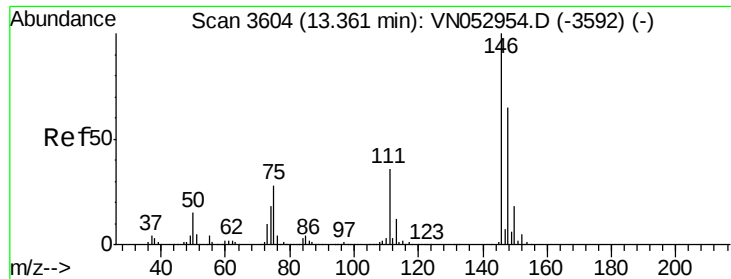
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	22.1	11.1	33.3



#87
 1,3-Dichlorobenzene
 Concen: 3.129 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.8	19.1	57.1
148	62.8	32.0	96.0





#88

1,4-Dichlorobenzene

Concen: 30.736 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

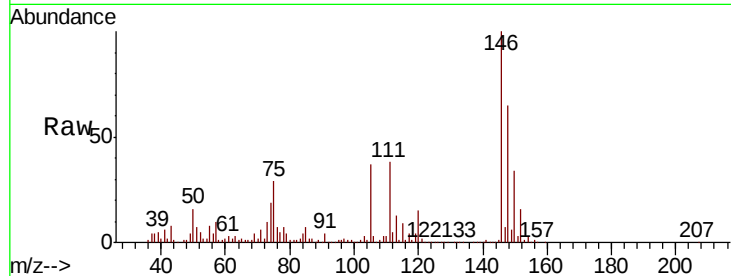
Tot Ion:146 Resp: 766565

Ion Ratio Lower Upper

146 100

111 39.4 18.6 55.8

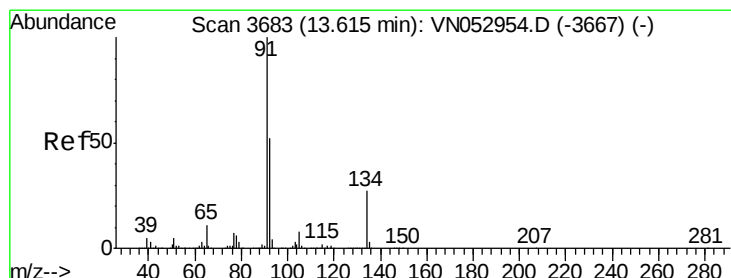
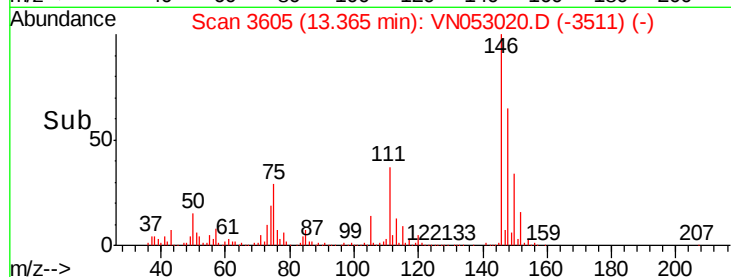
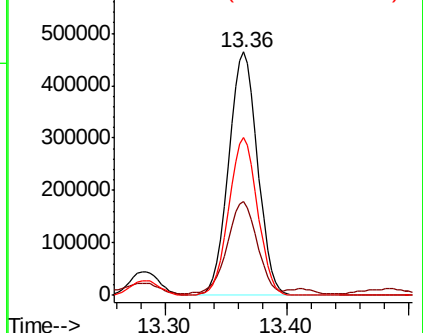
148 64.6 32.1 96.5



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: 2.377 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

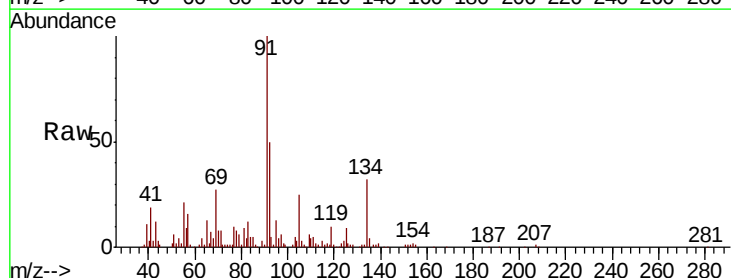
Tgt Ion: 91 Resp: 92236

Ion Ratio Lower Upper

91 100

92 58.7 26.3 78.9

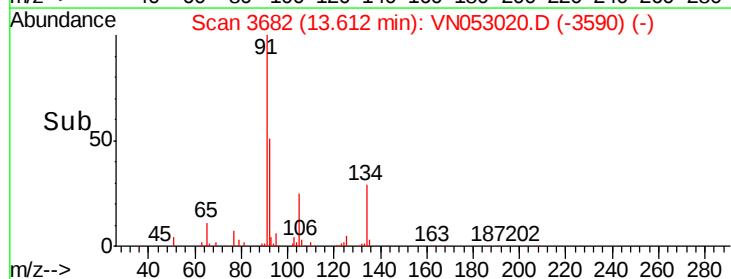
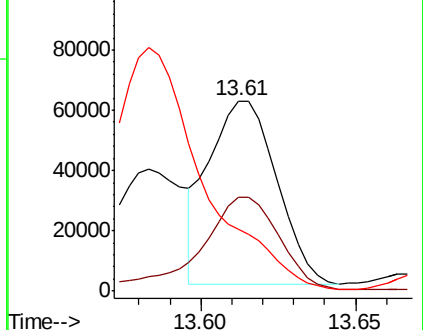
134 0.0 13.3 39.8#

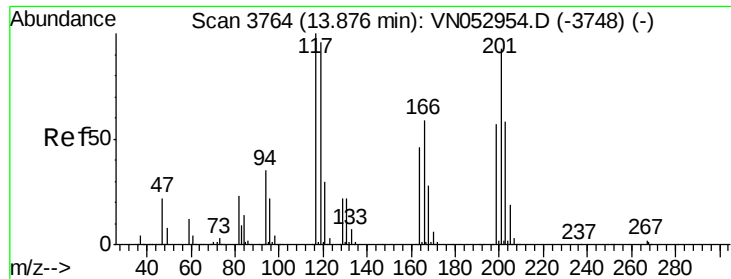


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

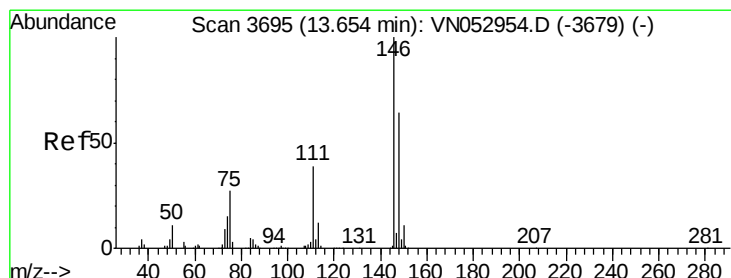
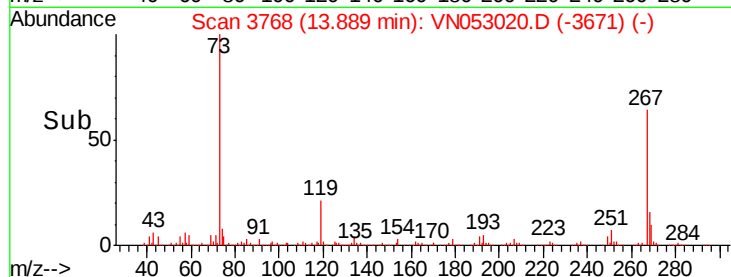
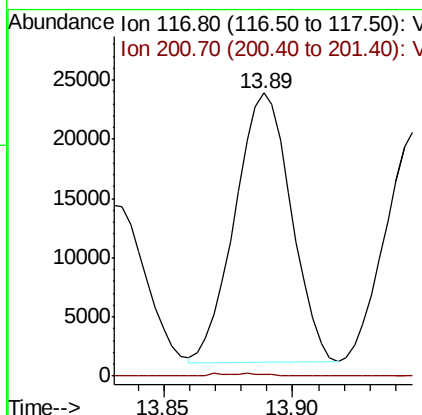
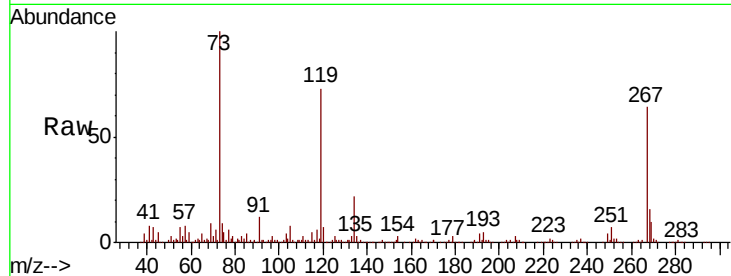




#90
Hexachloroethane
Concen: 4.969 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

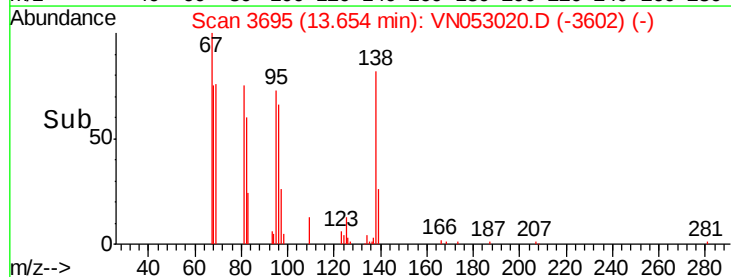
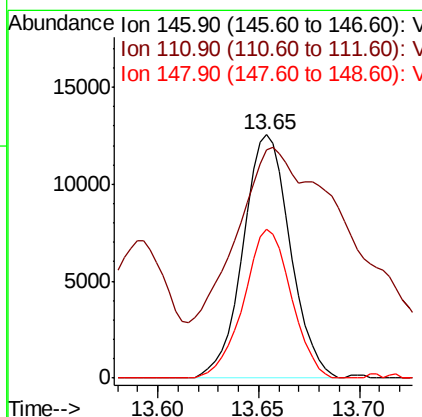
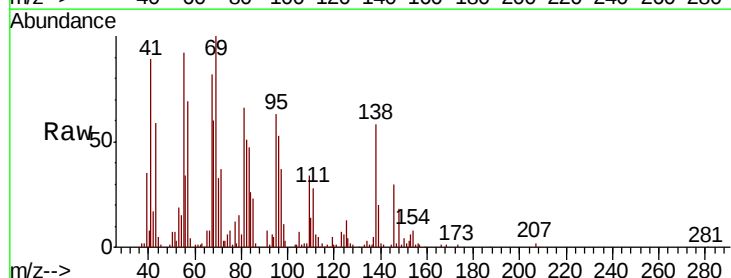
Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

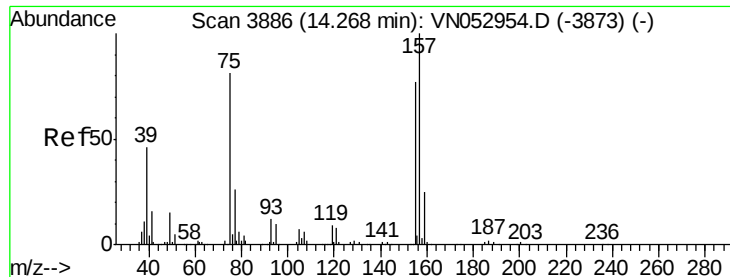
Tot Ion:117 Resp: 34388
Ion Ratio Lower Upper
117 100
201 0.4 45.7 137.1#



#91
1,2-Dichlorobenzene
Concen: 0.889 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion:146 Resp: 20602
Ion Ratio Lower Upper
146 100
111 152.4 19.7 59.0#
148 61.4 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.543 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

P001-SD013-0612-01ME

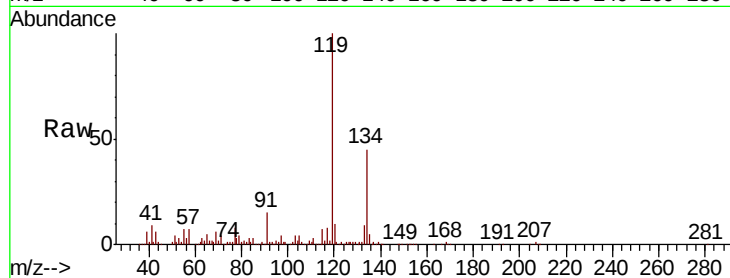
Tot Ion: 75 Resp: 2802

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 7.9 61.2 183.5#

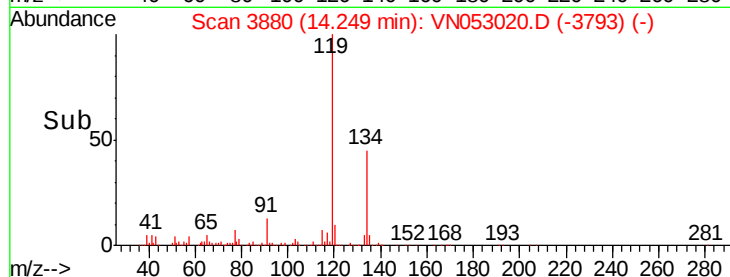


Abundance Ion 74.90 (74.60 to 75.60): VN053020.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN053020.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN053020.D (-3793) (-)

Time-->

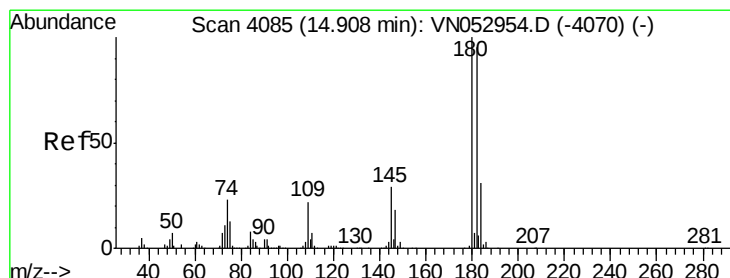


Abundance Ion 74.90 (74.60 to 75.60): VN053020.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN053020.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN053020.D (-3793) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.235 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053020.D

Acq: 19 Dec 2018 19:17

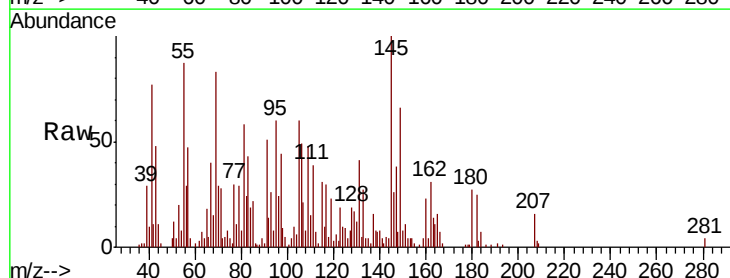
Tgt Ion: 180 Resp: 7942

Ion Ratio Lower Upper

180 100

182 97.1 47.8 143.3

145 534.3 14.2 42.6#

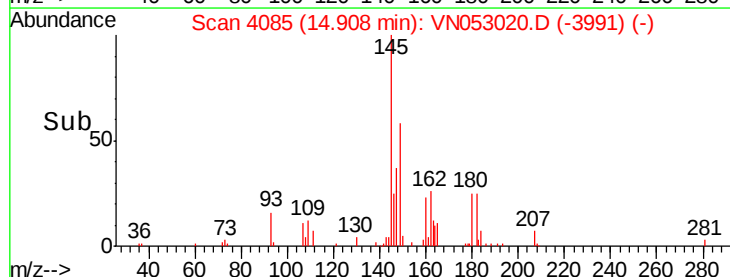


Abundance Ion 179.80 (179.50 to 180.50): VN053020.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN053020.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN053020.D (-3991) (-)

Time-->

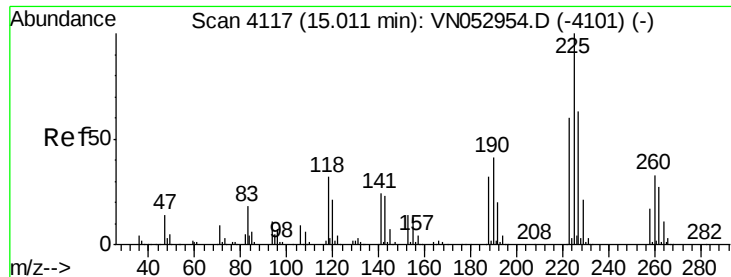


Abundance Ion 179.80 (179.50 to 180.50): VN053020.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN053020.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN053020.D (-3991) (-)

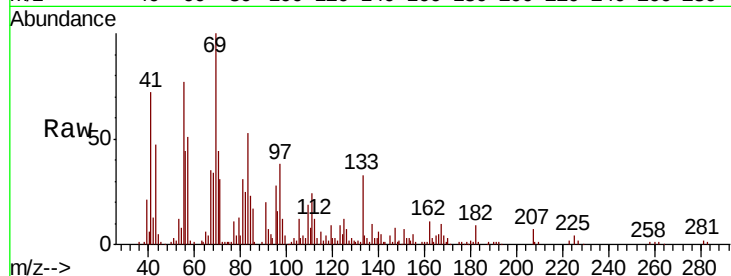
Time-->



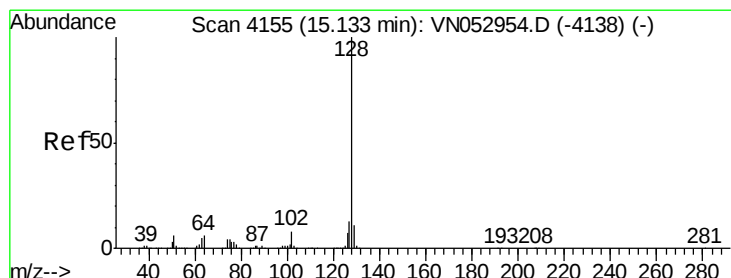
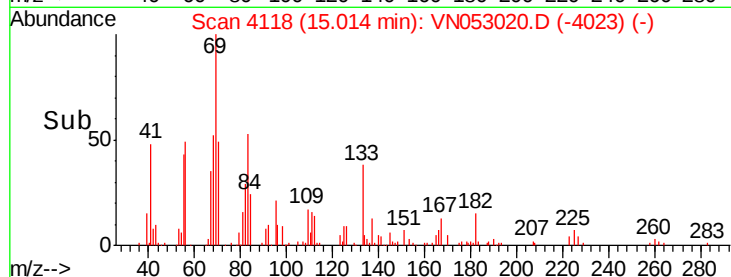
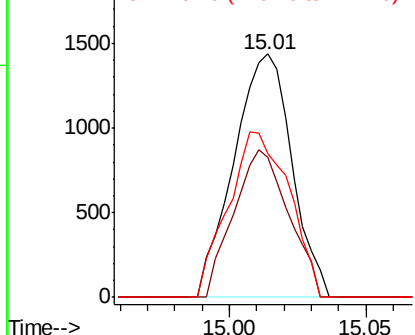
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
P001-SD013-0612-01ME

Tot Ion:225 Resp: 2118
Ion Ratio Lower Upper
225 100
223 57.5 31.5 94.5
227 71.6 31.9 95.7

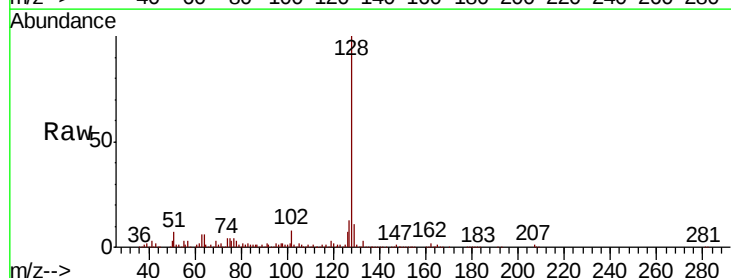


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

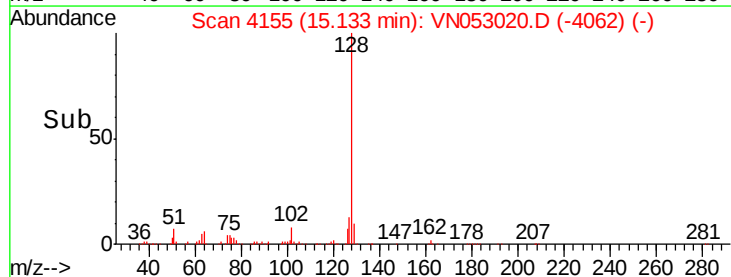
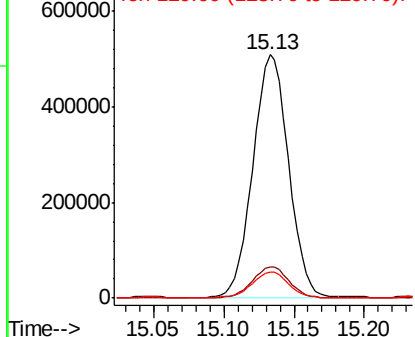


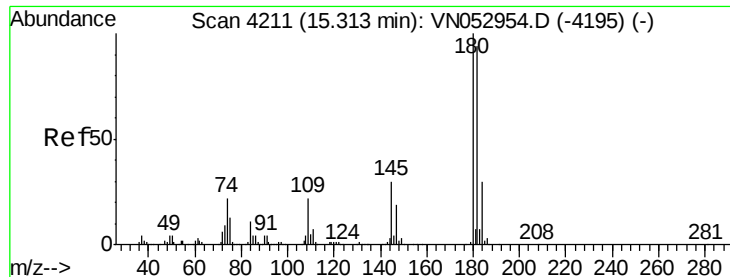
#95
Naphthalene
Concen: 33.787 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053020.D
Acq: 19 Dec 2018 19:17

Tgt Ion:128 Resp: 898639
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.8 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: 1.608 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053020.D
 Acq: 19 Dec 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD013-0612-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	73.0	47.9	143.7
145	0.0	15.0	45.0#

