

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052969.D
 Acq On : 18 Dec 2018 18:51
 Operator : MD\SY
 Sample : J6347-05ME 20X
 Misc : 3.88g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

Quant Time: Dec 19 03:49:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1347717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2033018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1851151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	806524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	638612	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
35) Dibromofluoromethane	7.59	113	466921	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.09	98	2507616	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	848697	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	208	0.275	ug/l #	1
14) Allyl chloride	4.60	41	83641	4.204	ug/l #	58
15) Acrylonitrile	5.07	53	10533	2.272	ug/l #	32
16) Acetone	3.82	43	4226	1.576	ug/l	89
18) Methyl Acetate	4.60	43	198898	17.010	ug/l #	51
25) 2-Butanone	6.63	43	40157	8.923	ug/l #	49
27) cis-1,2-Dichloroethene	6.83	96	4003	0.256	ug/l	91
31) Cyclohexane	7.66	56	87326	2.695	ug/l #	63
36) 1,1-Dichloropropene	7.66	75	87020	4.459	ug/l #	49
38) Carbon Tetrachloride	7.67	117	116866	6.534	ug/l #	15
39) Methylcyclohexane	9.08	83	160729	6.780	ug/l	100
43) Isopropyl Acetate	8.33	43	340026	15.407	ug/l #	53
48) Methyl methacrylate	9.27	41	3150	0.298	ug/l #	37
51) 4-Methyl-2-Pentanone	10.09	43	10990	1.042	ug/l #	1
52) Toluene	10.16	92	11095963	308.424	ug/l #	1
53) t-1,3-Dichloropropene	10.16	75	118619	6.026	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	8584	0.684	ug/l #	21
59) 2-Hexanone	10.72	43	9628	1.349	ug/l #	25
65) Chlorobenzene	11.43	112	33568	0.818	ug/l	100
67) Ethyl Benzene	11.51	91	3979412	56.390	ug/l	100
68) m/p-Xylenes	11.62	106	9468231	352.932	ug/l #	1
69) o-Xylene	11.95	106	2181725	84.750	ug/l	99
70) Styrene	11.95	104	105476	2.513	ug/l #	1
71) Bromoform	12.40	173	4423	0.429	ug/l #	1
73) Isopropylbenzene	12.25	105	96997	1.537	ug/l	97
74) N-amyl acetate	12.04	43	7687	0.439	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	403833	29.744	ug/l #	100
78) n-propylbenzene	12.59	91	187895	2.614	ug/l	98
79) 2-Chlorotoluene	12.66	91	45872	1.030	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	207865	4.041	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	403833	95.868	ug/l #	12
82) 4-Chlorotoluene	12.73	91	17126	0.393	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.04	105	671612	12.989	ug/l	99
85) sec-Butylbenzene	13.17	105	20355	0.331	ug/l #	67

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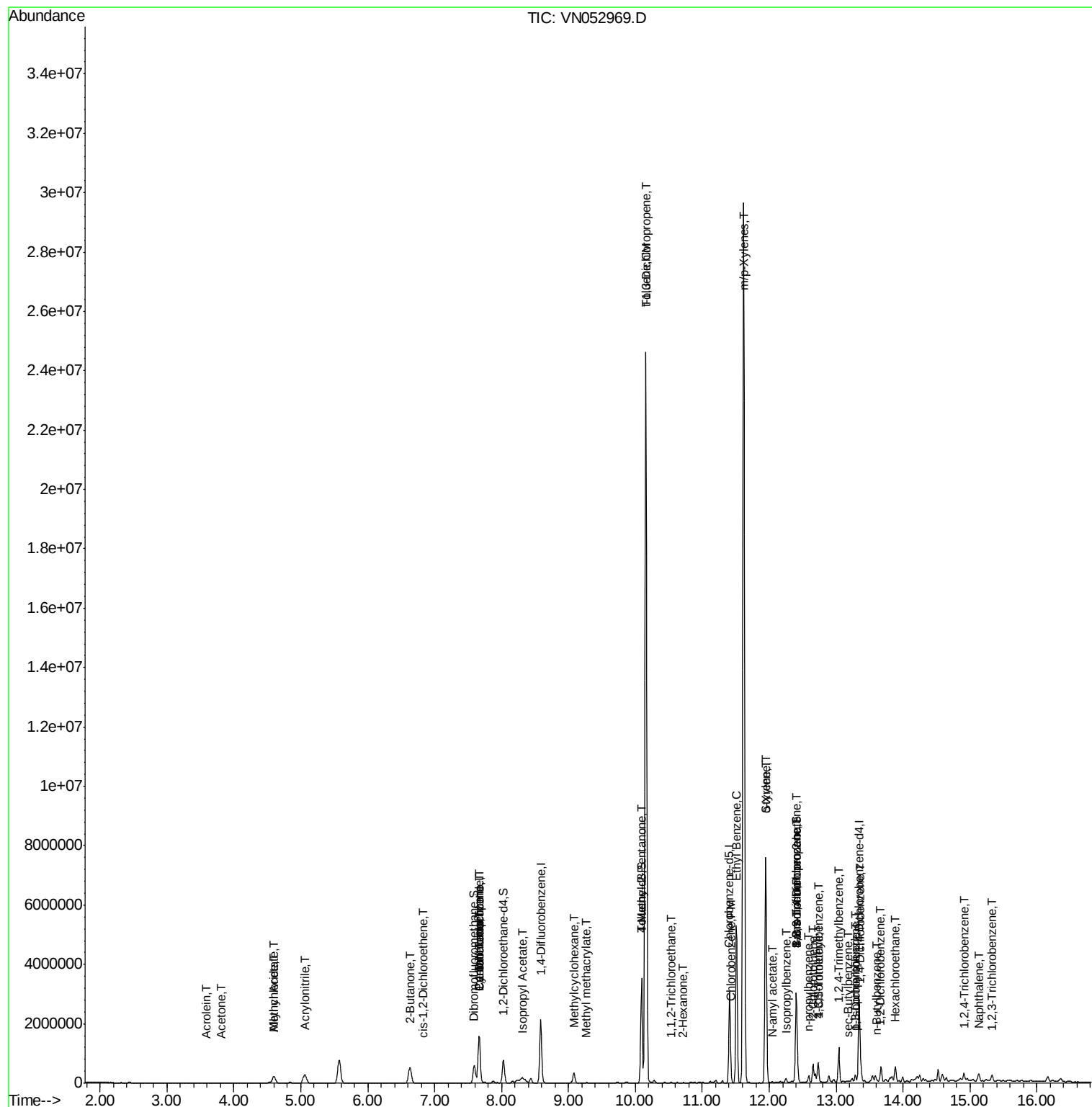
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.29	119	101320	1.906	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	9566	0.329	ug/l	90
88) 1,4-Dichlorobenzene	13.36	146	85127	2.895	ug/l	90
89) n-Butylbenzene	13.62	91	33951	0.742	ug/l #	78
90) Hexachloroethane	13.89	117	12623	1.547	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	34942	1.279	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	87245	6.551	ug/l	93
94) Hexachlorobutadiene	15.02	225	162	Below Cal	#	19
95) Naphthalene	15.13	128	214760	7.764	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	28821	2.696	ug/l #	84

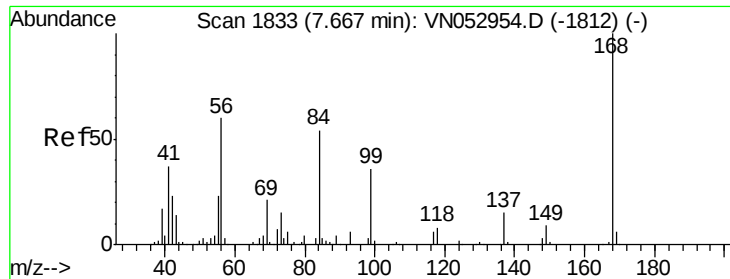
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

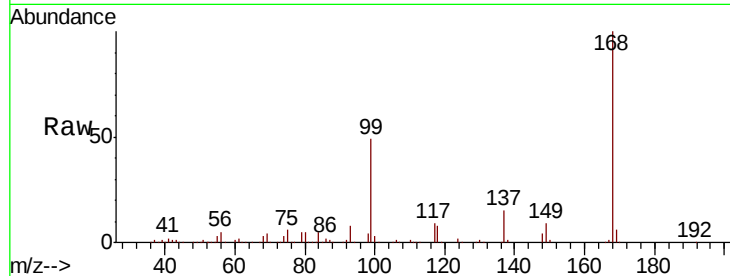
P001-SD002-0612-01ME

Tot Ion:168 Resp: 1347717

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.67

600000

500000

400000

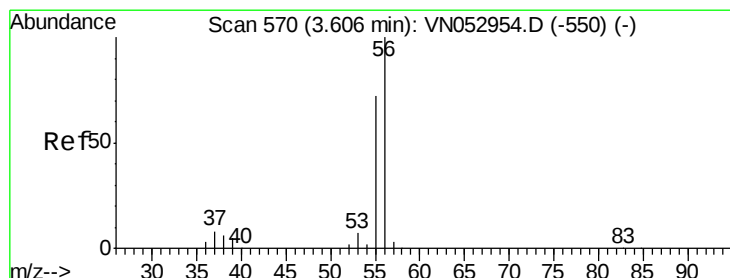
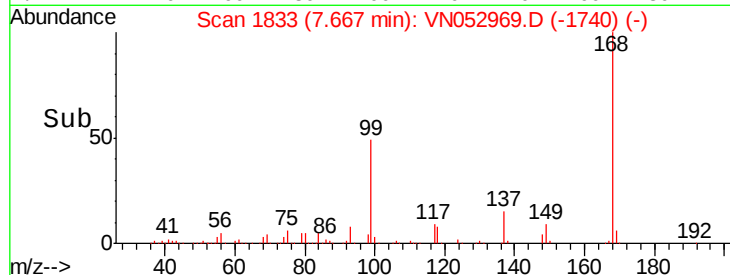
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.275 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN052969.D

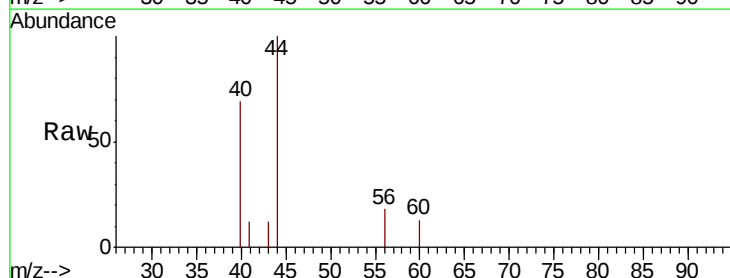
Acq: 18 Dec 2018 18:51

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 152.9 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052954.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN052954.D (-550) (-)

3.60

300

250

200

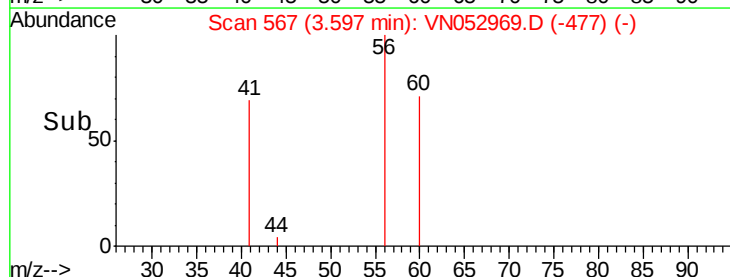
150

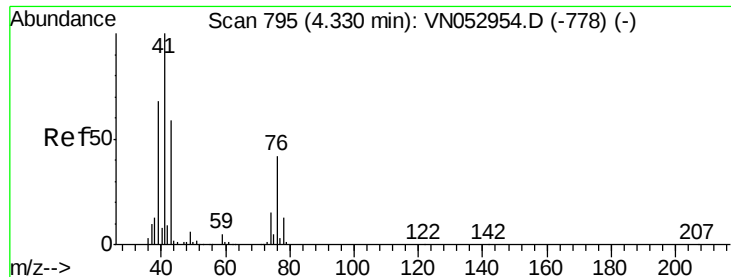
100

50

0

Time-->

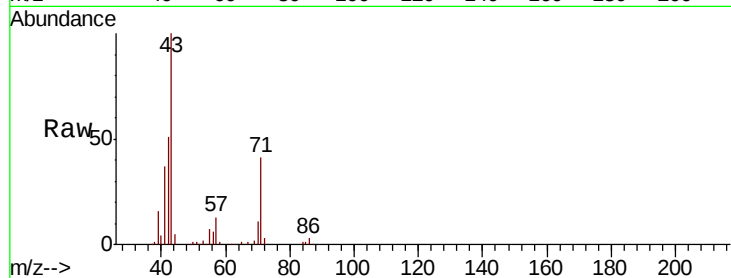




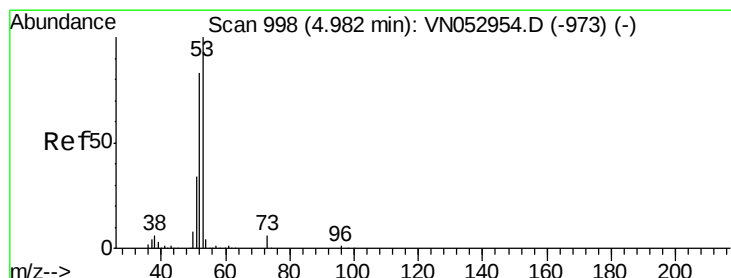
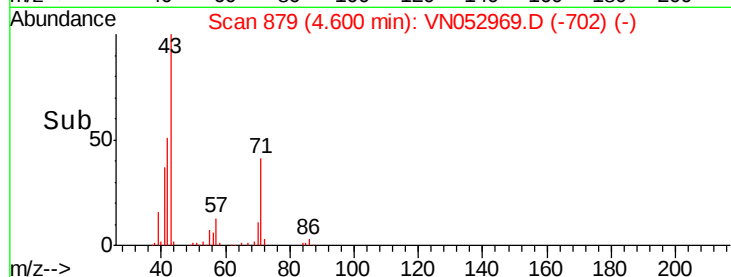
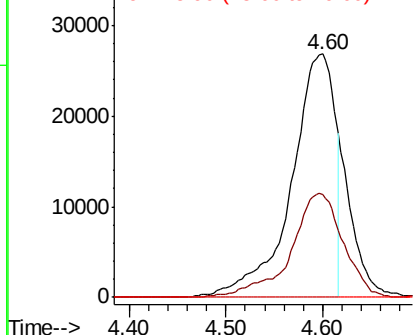
#14
Allvl chloride
Concen: 4.204 ug/l
RT: 4.60 min Scan# 879
Delta R.T. 0.27 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

Tot Ion: 41 Resp: 83641
Ion Ratio Lower Upper
41 100
39 42.8 54.1 81.1#
76 0.0 30.3 45.5#

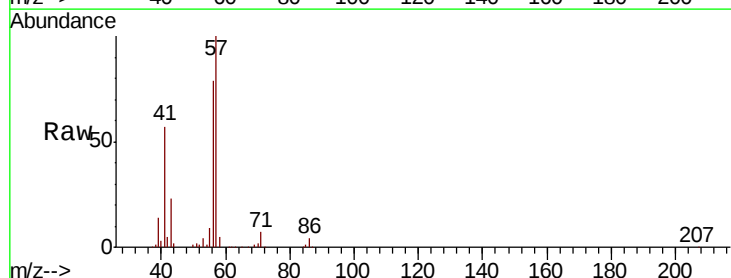


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

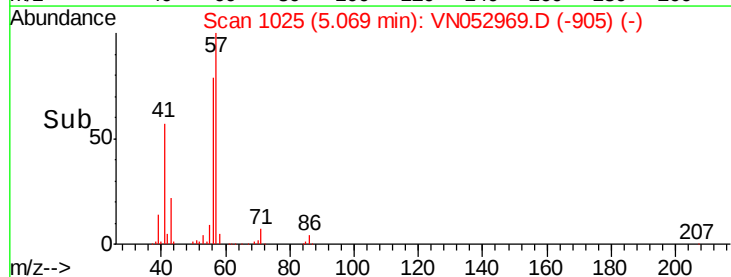
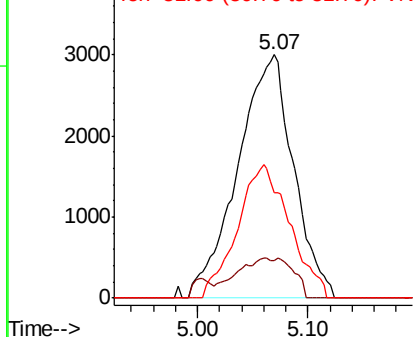


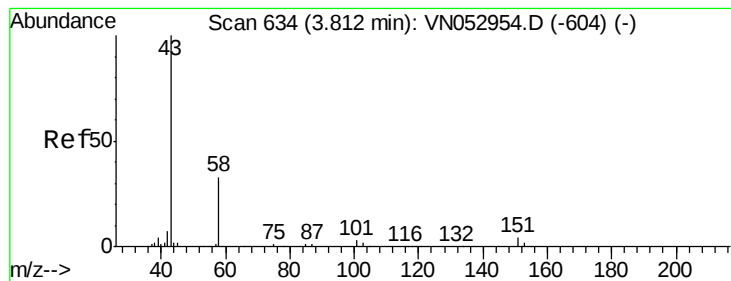
#15
Acrylonitrile
Concen: 2.272 ug/l
RT: 5.07 min Scan# 1025
Delta R.T. 0.09 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion: 53 Resp: 10533
Ion Ratio Lower Upper
53 100
52 5.3 65.1 97.7#
51 51.4 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO





#16

Acetone

Concen: 1.576 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

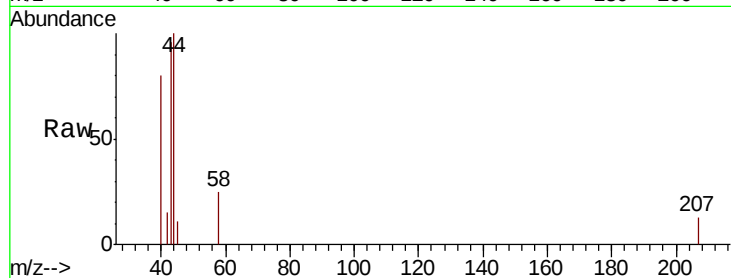
P001-SD002-0612-01ME

Tot Ion: 43 Resp: 4226

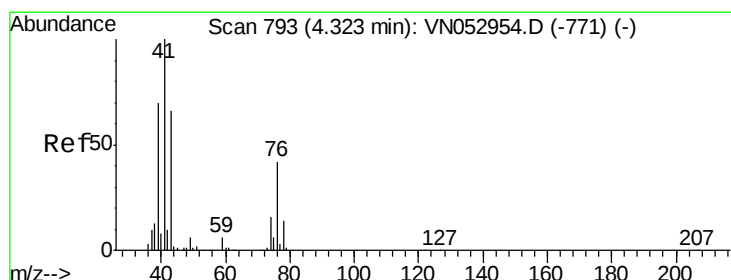
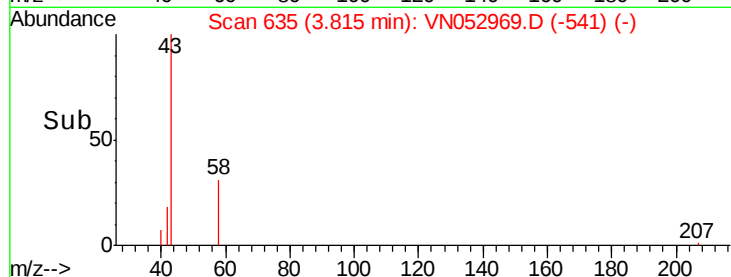
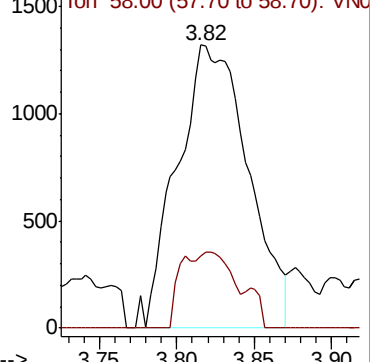
Ion Ratio Lower Upper

43 100

58 25.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)



#18

Methyl Acetate

Concen: 17.010 ug/l

RT: 4.60 min Scan# 879

Delta R.T. 0.28 min

Lab File: VN052969.D

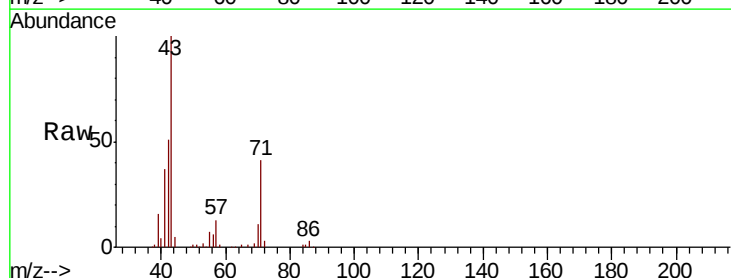
Acq: 18 Dec 2018 18:51

Tgt Ion: 43 Resp: 198898

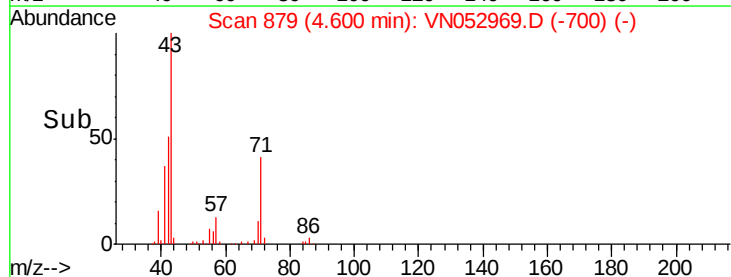
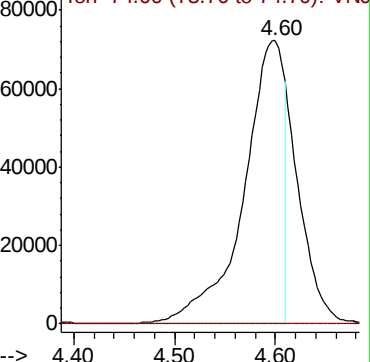
Ion Ratio Lower Upper

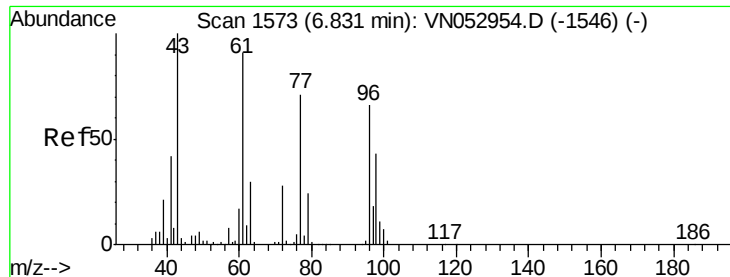
43 100

74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)





#25

2-Butanone

Concen: 8.923 ug/l

RT: 6.63 min Scan# 1511

Delta R.T. -0.20 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

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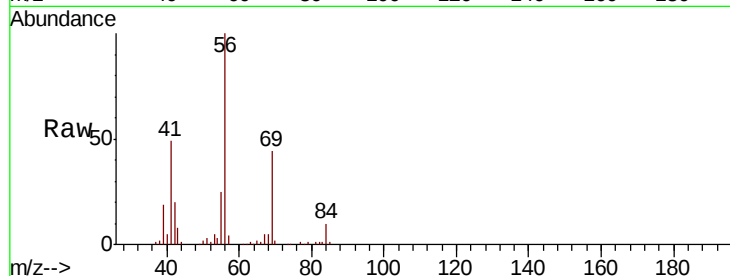
P001-SD002-0612-01ME

Tot Ion: 43 Resp: 40157

Ion Ratio Lower Upper

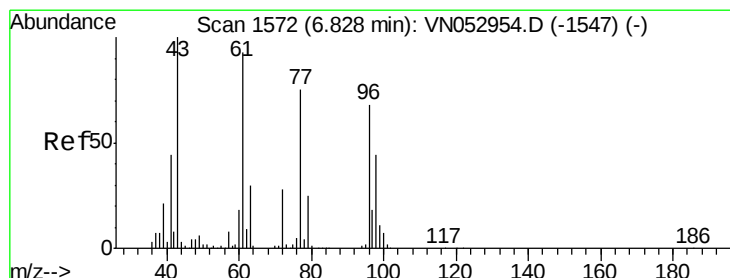
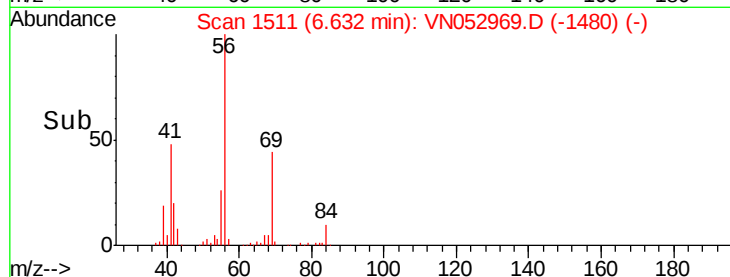
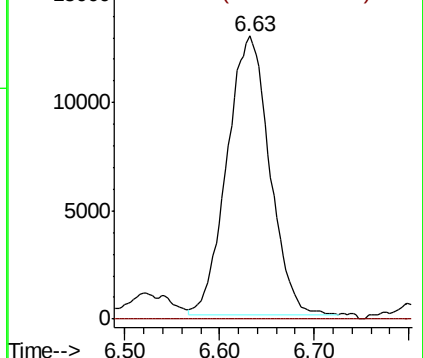
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052969.D (-1511) (-)

Ion 72.00 (71.70 to 72.70): VN052969.D (-1511) (-)



#27

cis-1,2-Dichloroethene

Concen: 0.256 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

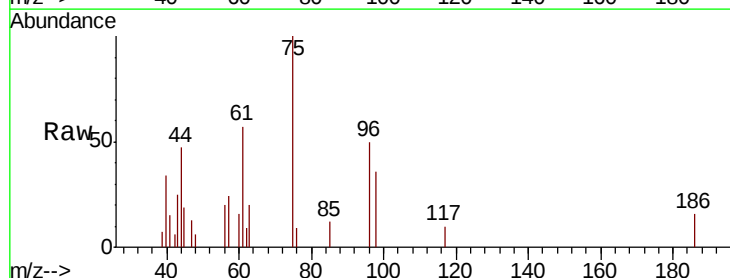
Tgt Ion: 96 Resp: 4003

Ion Ratio Lower Upper

96 100

61 128.6 0.0 284.2

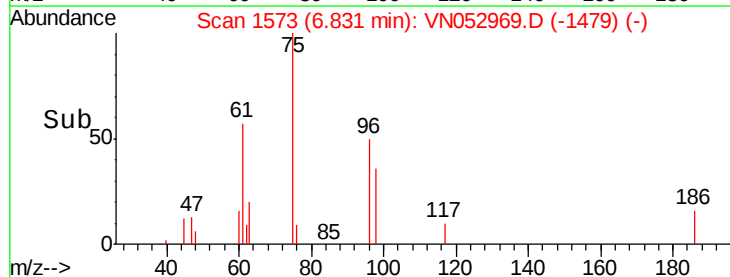
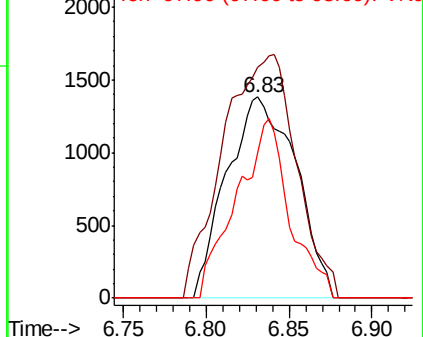
98 68.8 0.0 129.2

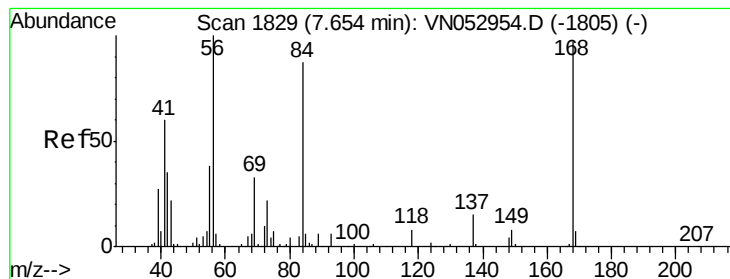


Abundance Ion 95.90 (95.60 to 96.60): VN052969.D (-1573) (-)

Ion 60.90 (60.60 to 61.60): VN052969.D (-1573) (-)

Ion 97.90 (97.60 to 98.60): VN052969.D (-1573) (-)





#31

Cyclohexane

Concen: 2.695 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

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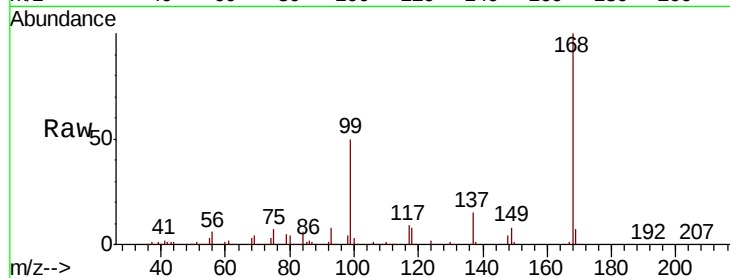
Tot Ion: 56 Resp: 87326

Ion Ratio Lower Upper

56 100

69 77.7 26.6 39.8#

84 104.3 68.4 102.6#

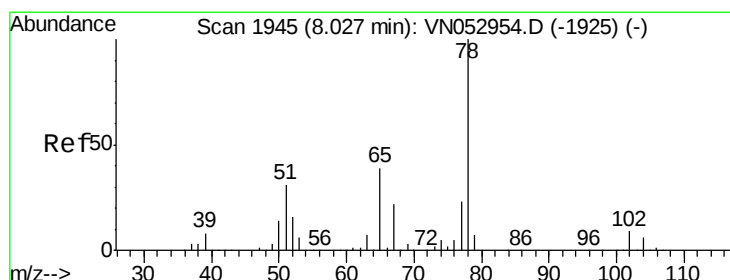
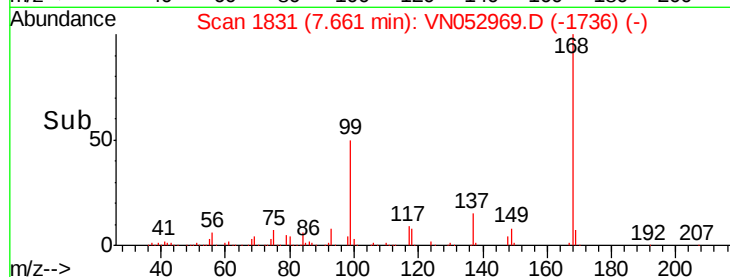
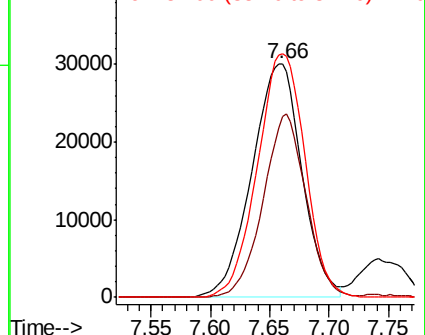


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052969.D

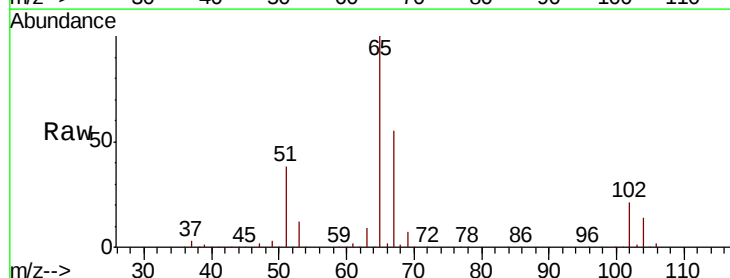
Acq: 18 Dec 2018 18:51

Tgt Ion: 65 Resp: 638612

Ion Ratio Lower Upper

65 100

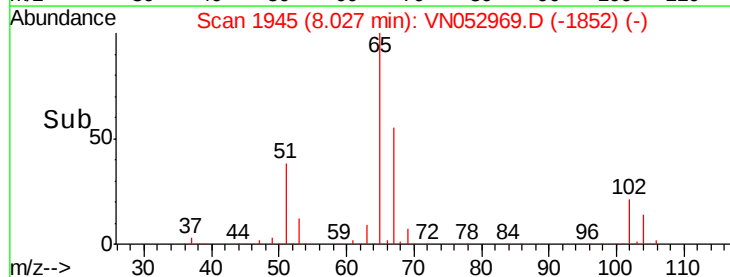
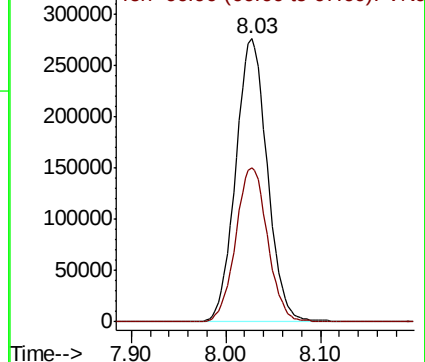
67 55.2 0.0 110.4

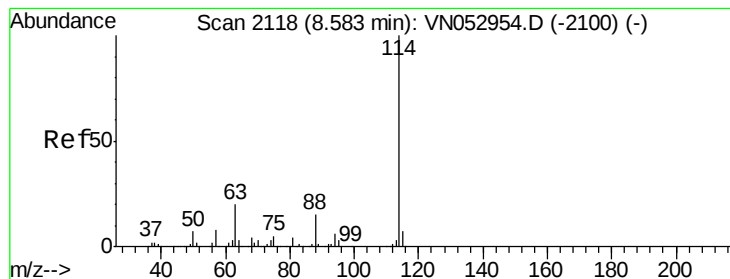


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052969.D

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ClientSampleId :

P001-SD002-0612-01ME

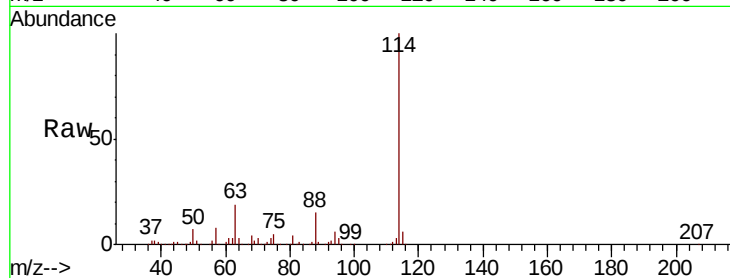
Tot Ion:114 Resp: 2033018

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

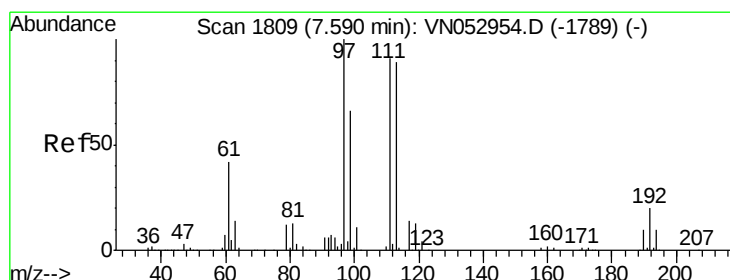
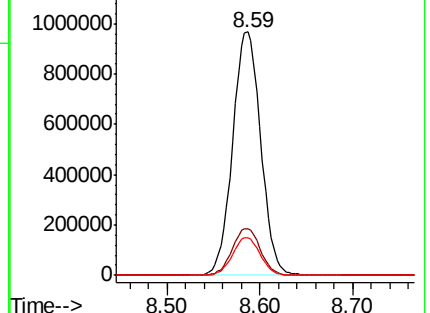
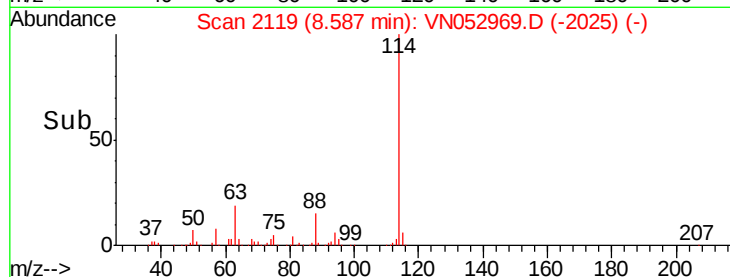
88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

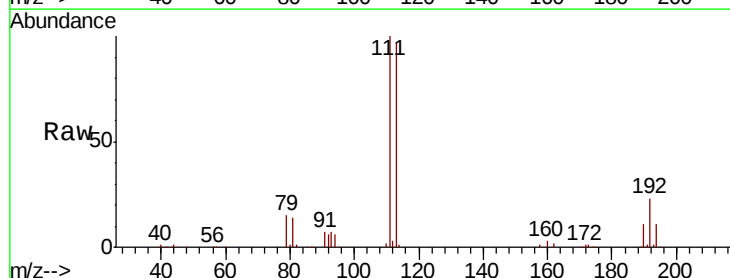
Tgt Ion:113 Resp: 466921

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

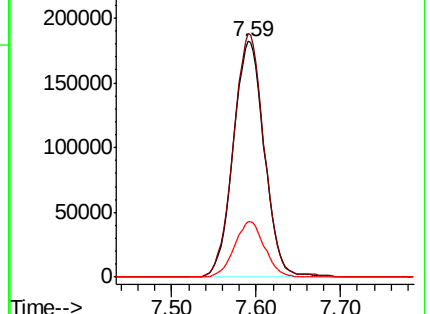
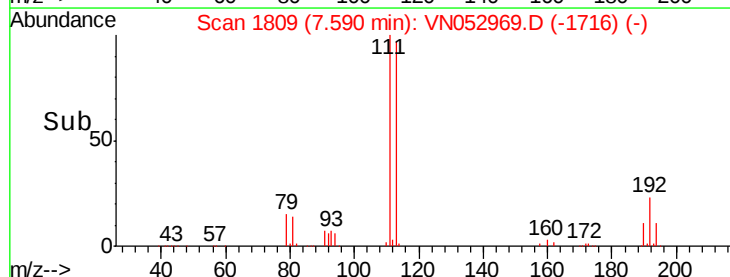
192 22.8 17.5 26.3

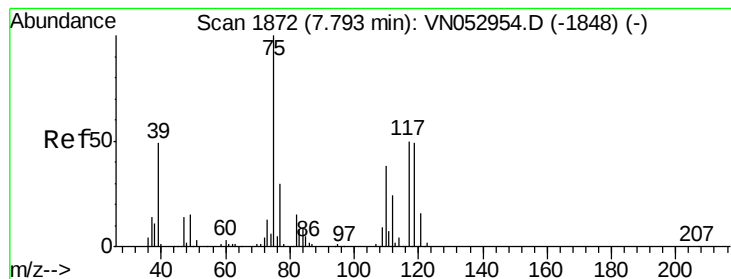


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0612-01ME

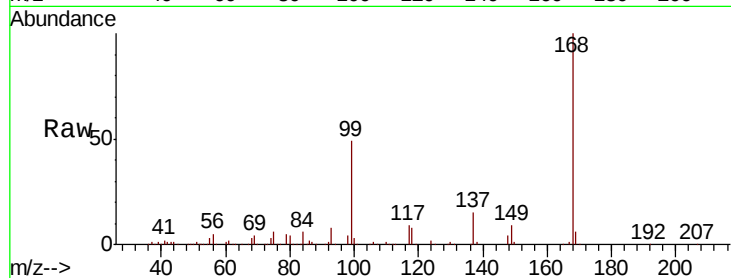
Tot Ion: 75 Resp: 87020

Ion Ratio Lower Upper

75 100

110 9.0 18.2 54.6#

77 0.5 24.9 37.3#

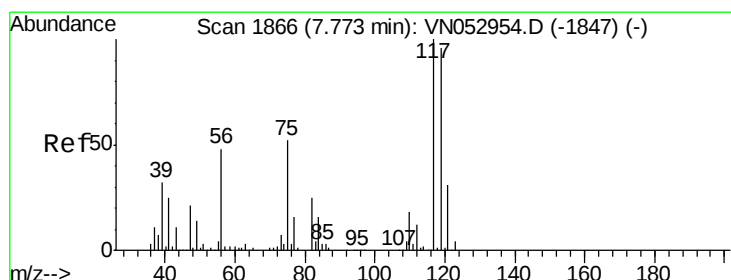
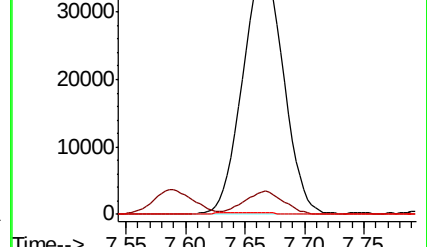
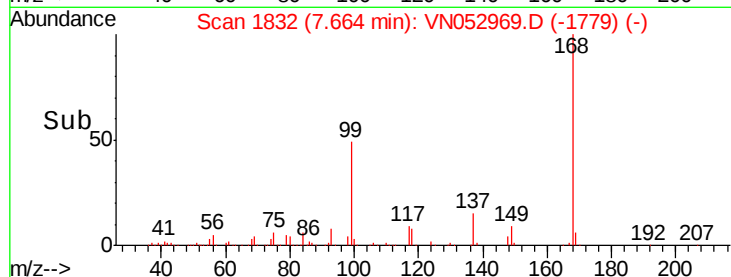


Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN052954.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN052954.D (-1848) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.534 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

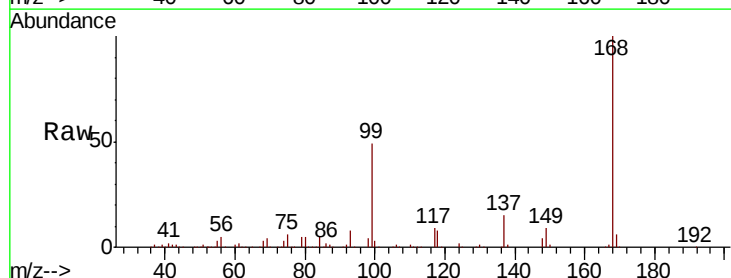
Tgt Ion: 117 Resp: 116866

Ion Ratio Lower Upper

117 100

119 4.6 77.1 115.7#

121 0.0 24.9 37.3#

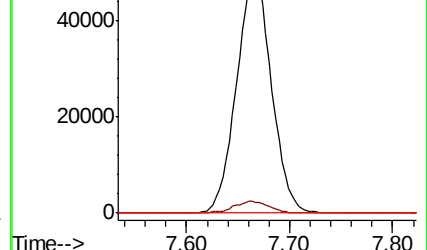
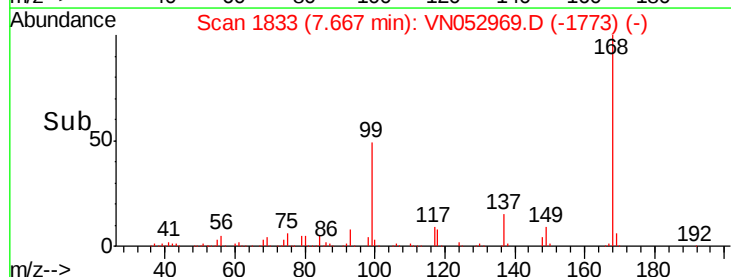


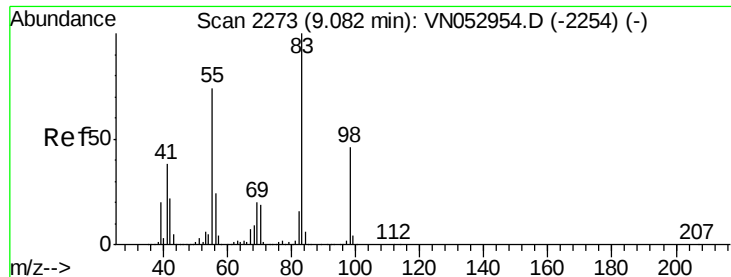
Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052954.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052954.D (-1847) (-)

Time-->

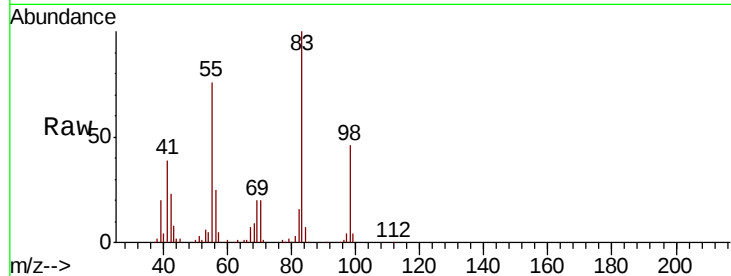




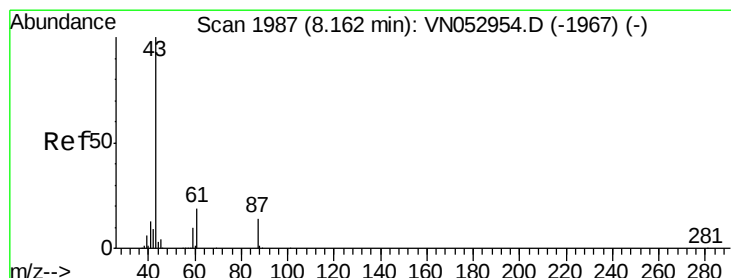
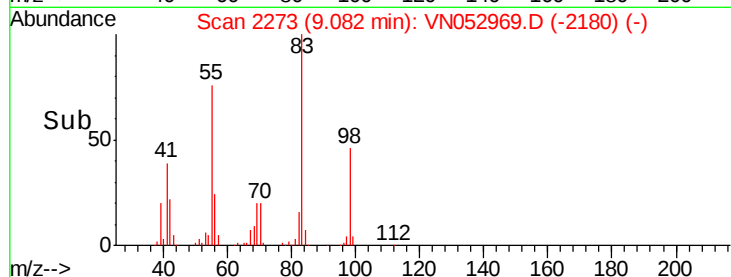
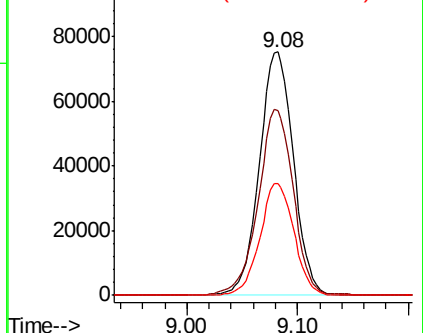
#39
Methylcyclohexane
Concen: 6.780 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

Tot Ion: 83 Resp: 160729
Ion Ratio Lower Upper
83 100
55 76.1 61.3 91.9
98 46.2 37.0 55.4

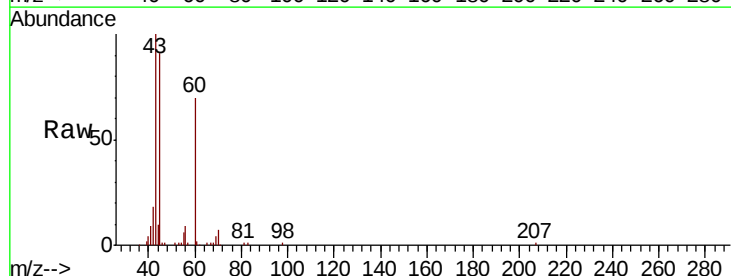


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

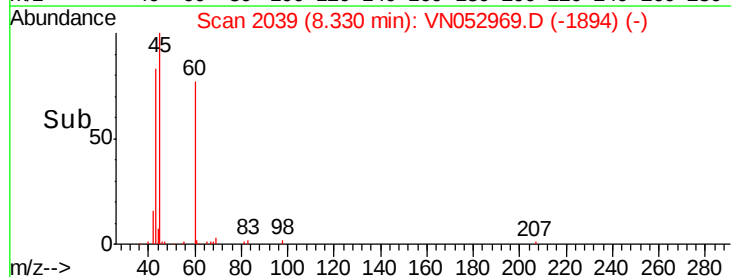
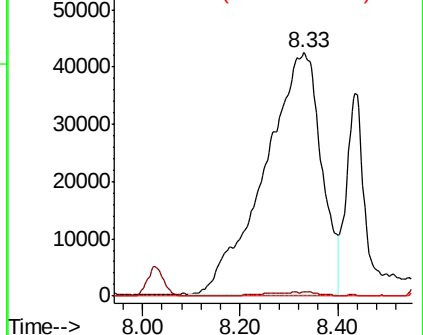


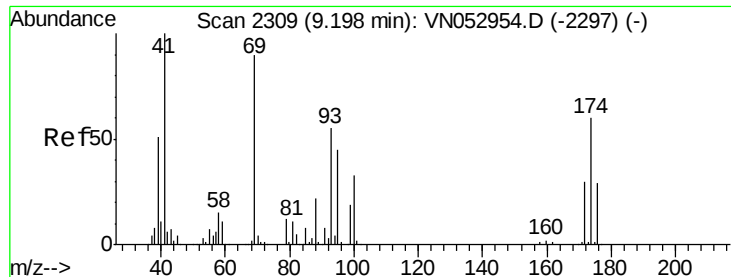
#43
Isopropyl Acetate
Concen: 15.407 ug/l
RT: 8.33 min Scan# 2039
Delta R.T. 0.17 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion: 43 Resp: 340026
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

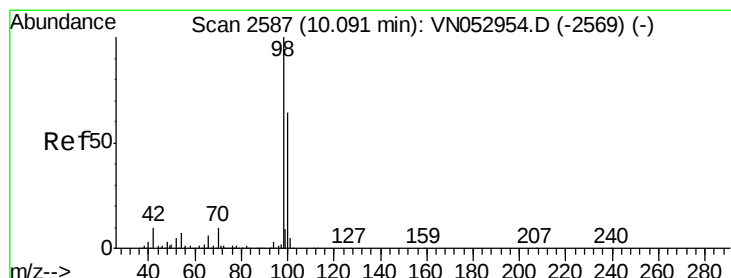
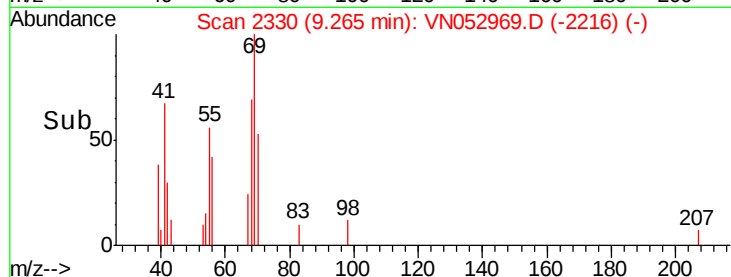
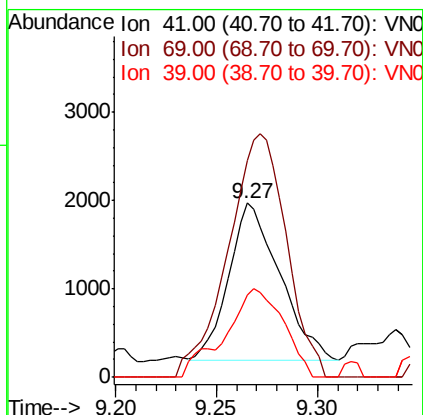
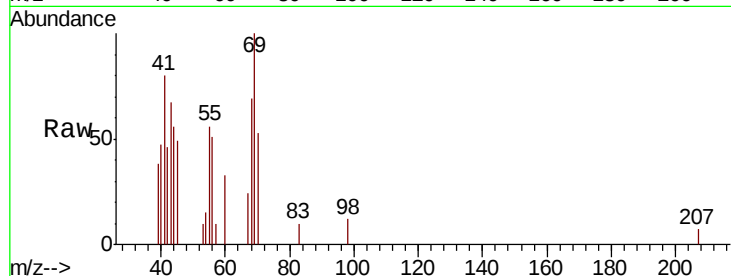




#48
Methvl methacrylate
Concen: 0.298 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

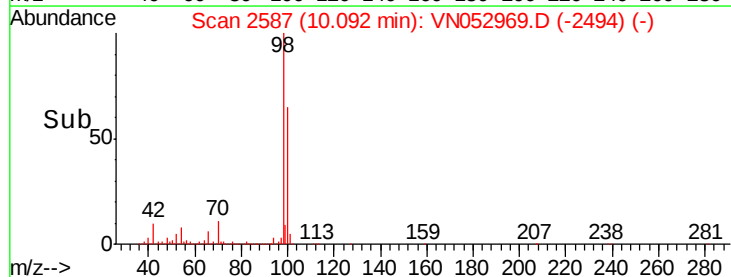
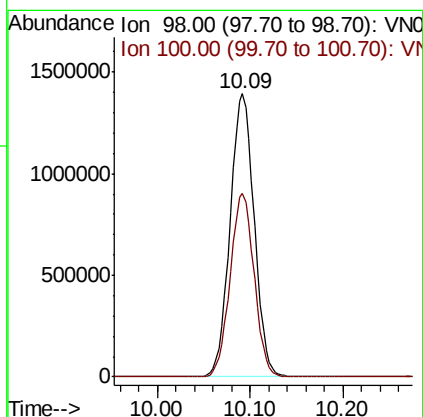
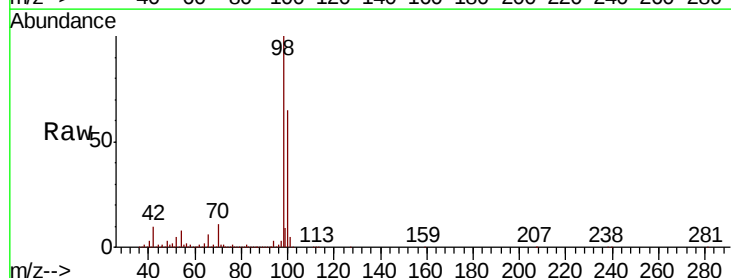
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

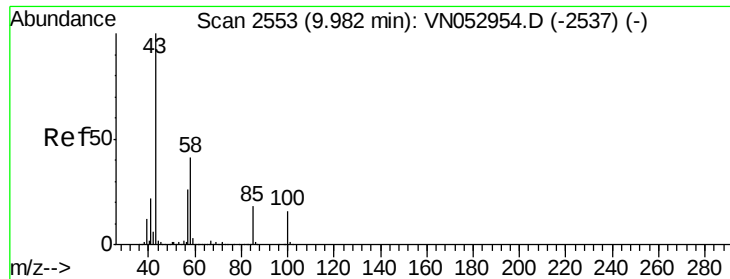
Tot Ion: 41 Resp: 3150
Ion Ratio Lower Upper
41 100
69 175.8 72.2 108.2#
39 64.1 41.9 62.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion: 98 Resp: 2507616
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.042 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

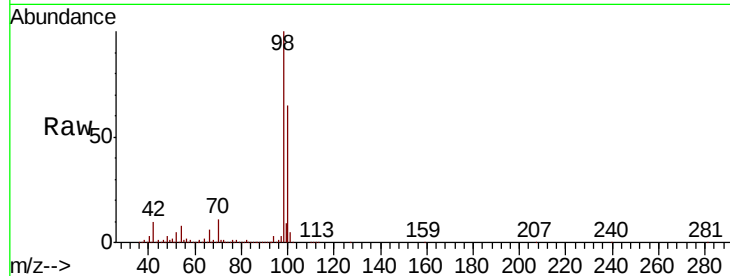
P001-SD002-0612-01ME

Tot Ion: 43 Resp: 10990

Ion Ratio Lower Upper

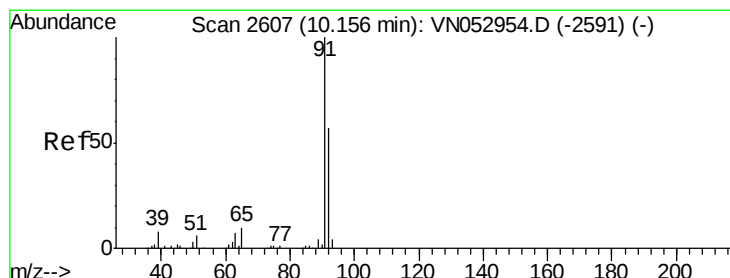
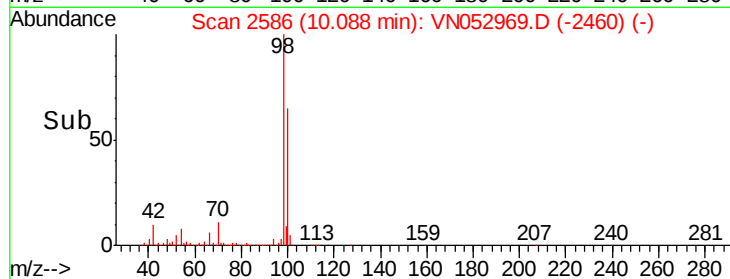
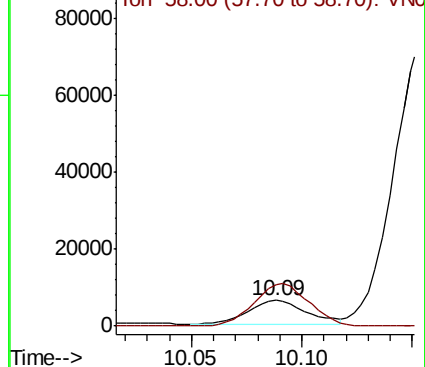
43 100

58 175.7 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 308.424 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052969.D

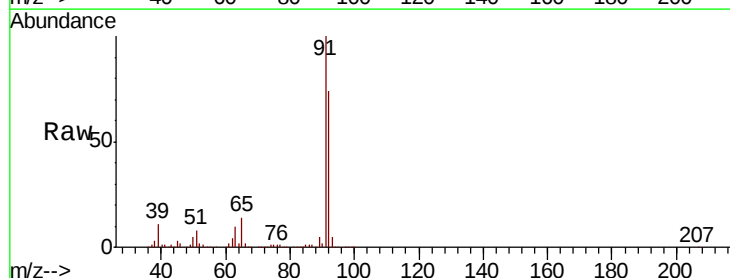
Acq: 18 Dec 2018 18:51

Tgt Ion: 92 Resp: 11095963

Ion Ratio Lower Upper

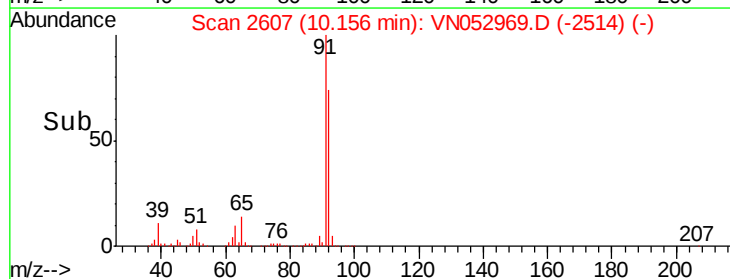
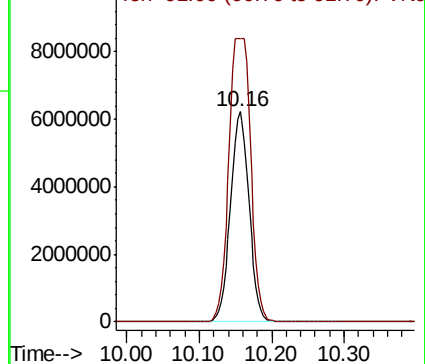
92 100

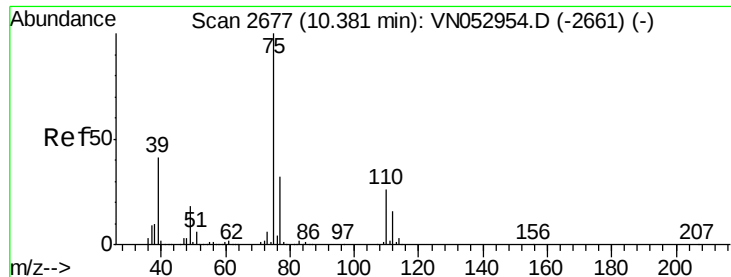
91 0.0 139.8 209.6#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

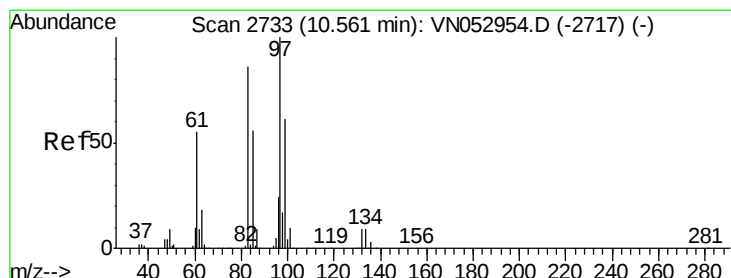
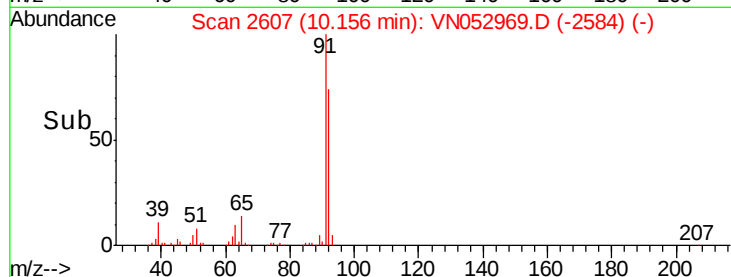
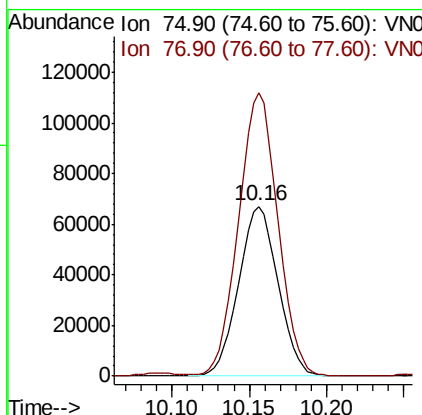
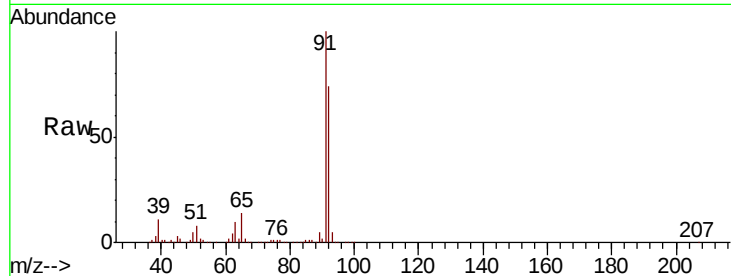




#53
t-1,3-Dichloropropene
Concen: 6.026 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.22 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

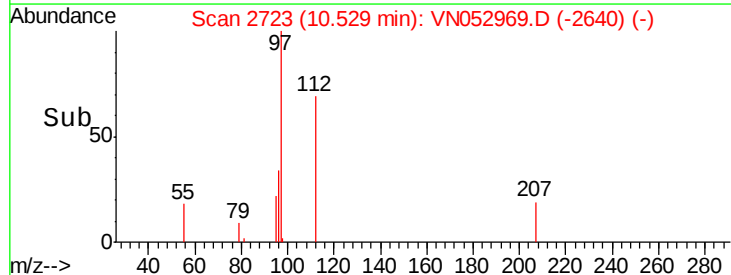
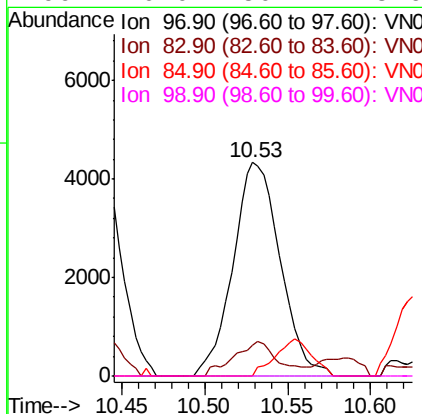
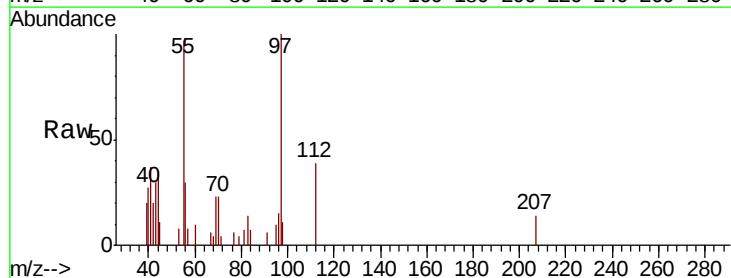
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

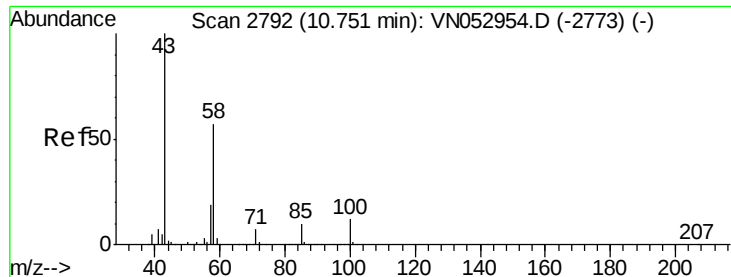
Tot Ion: 75 Resp: 118619
Ion Ratio Lower Upper
75 100
77 166.1 25.6 38.4#



#55
1,1,2-Trichloroethane
Concen: 0.684 ug/l
RT: 10.53 min Scan# 2723
Delta R.T. -0.03 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion: 97 Resp: 8584
Ion Ratio Lower Upper
97 100
83 14.2 70.9 106.3#
85 0.0 45.4 68.2#
99 0.0 50.4 75.6#

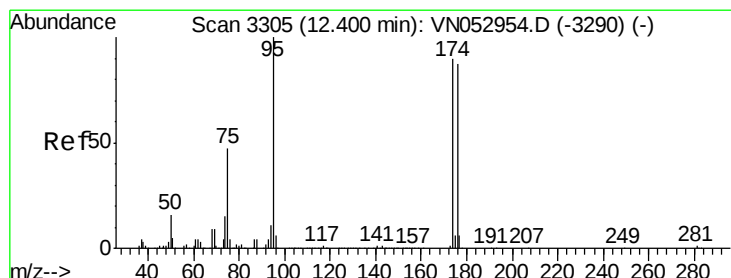
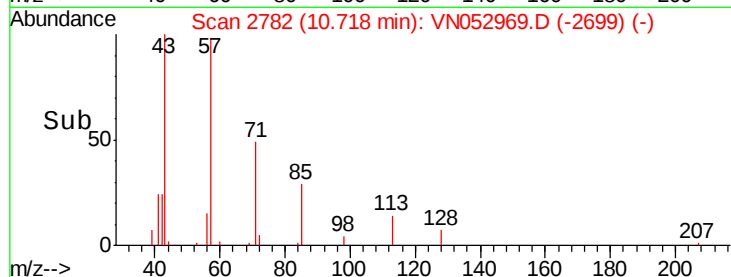
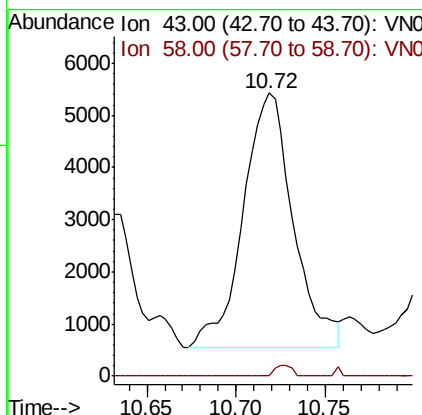
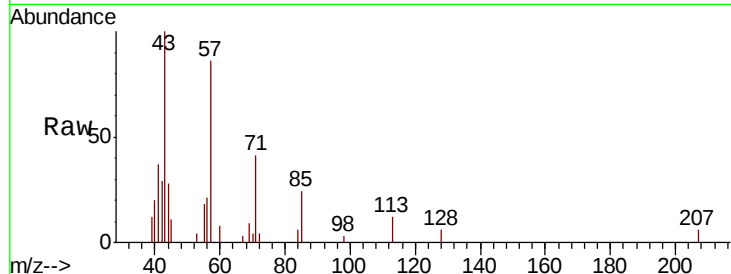




#59
2-Hexanone
Concen: 1.349 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

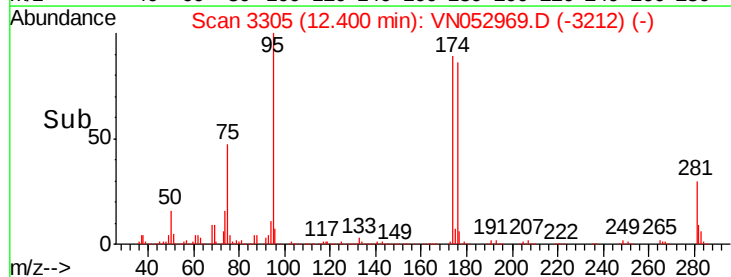
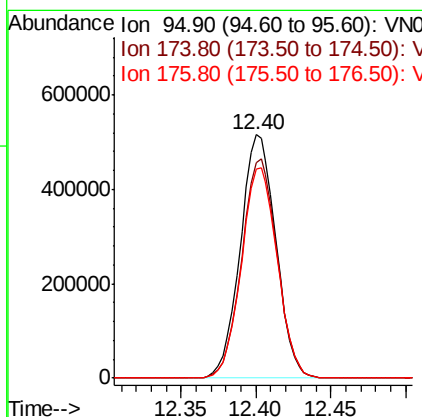
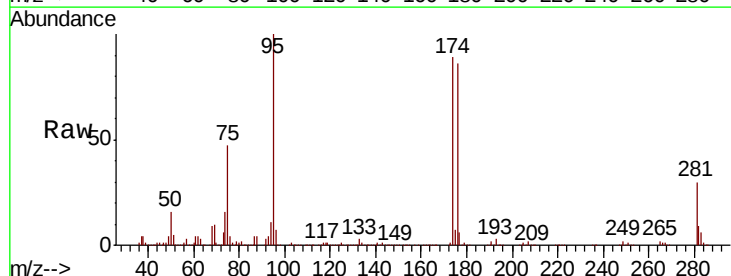
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

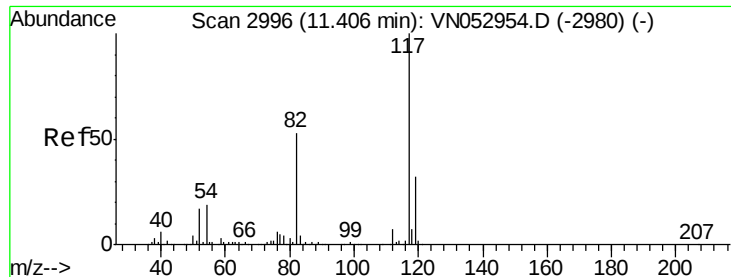
Tot Ion: 43 Resp: 9628
Ion Ratio Lower Upper
43 100
58 1.5 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion: 95 Resp: 848697
Ion Ratio Lower Upper
95 100
174 90.2 0.0 178.8
176 87.7 0.0 173.8

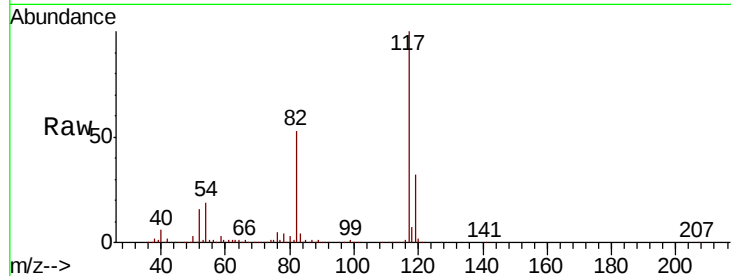




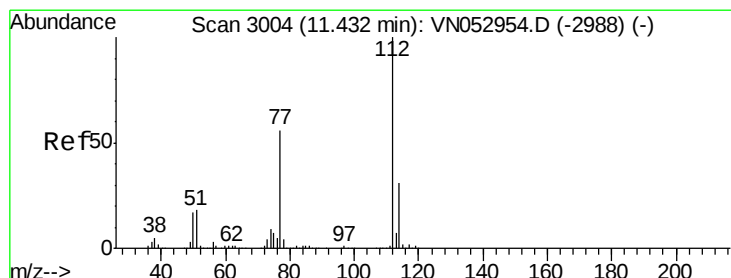
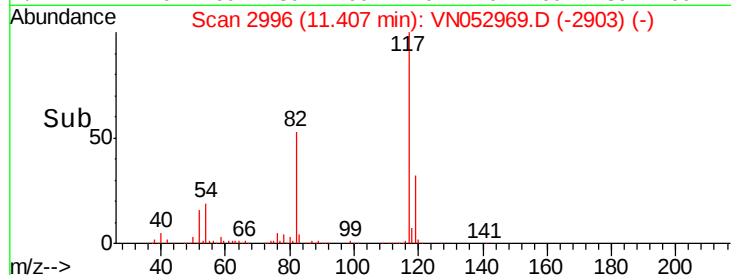
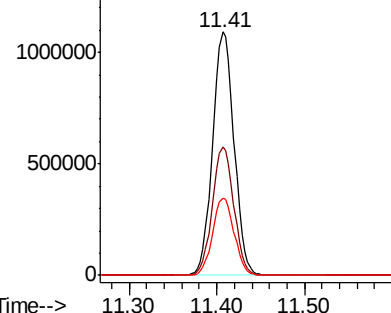
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

Tot Ion:117 Resp: 1851151
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 31.7 25.5 38.3

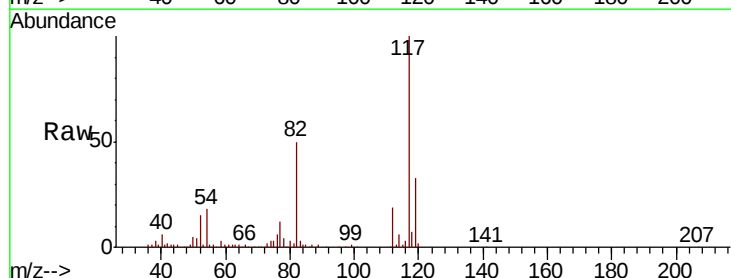


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

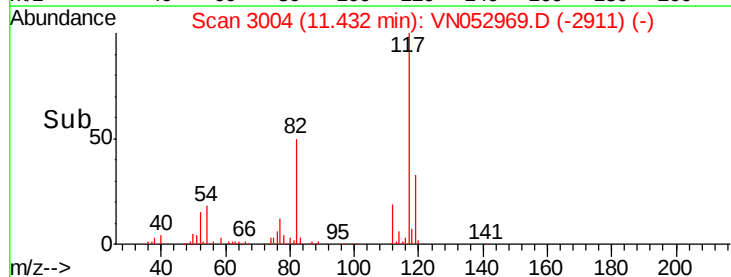
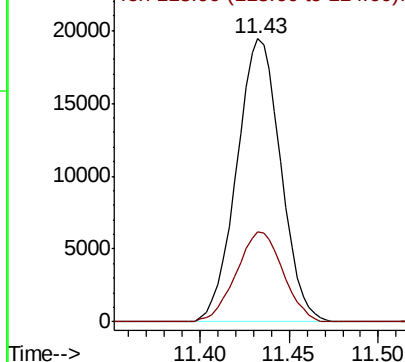


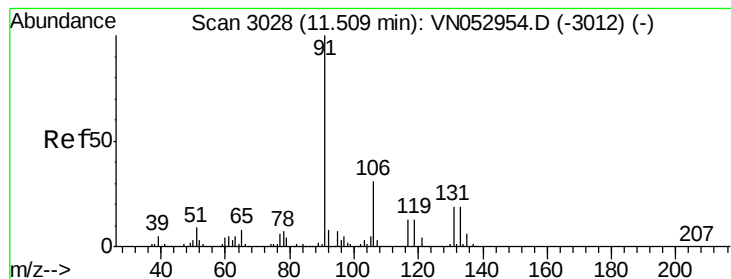
#65
Chlorobenzene
Concen: 0.818 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion:112 Resp: 33568
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 56.390 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

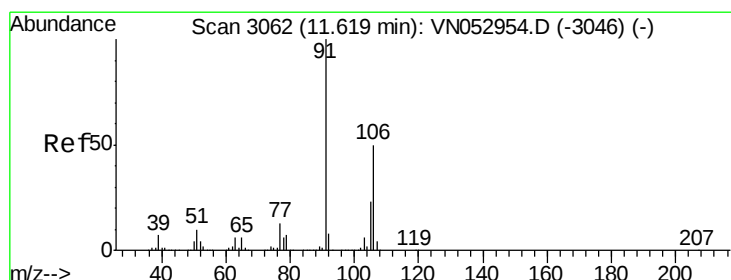
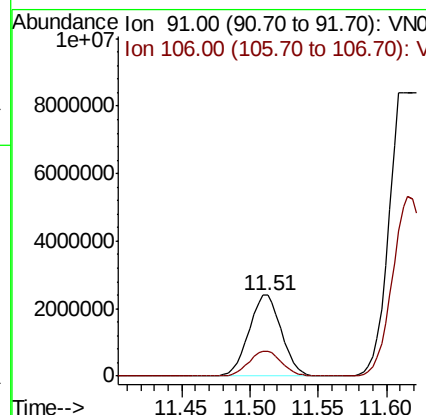
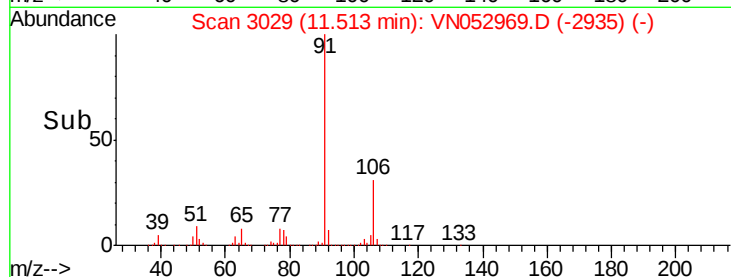
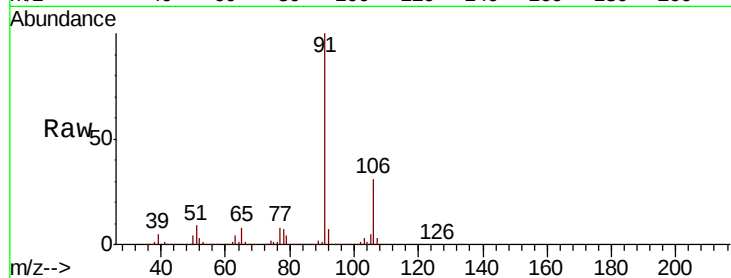
P001-SD002-0612-01ME

Tot Ion: 91 Resp: 3979412

Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3



#68

m/p-Xylenes

Concen: 352.932 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN052969.D

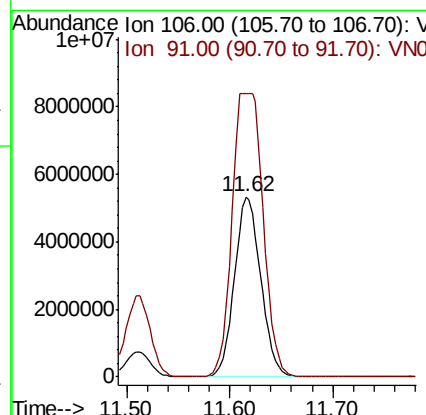
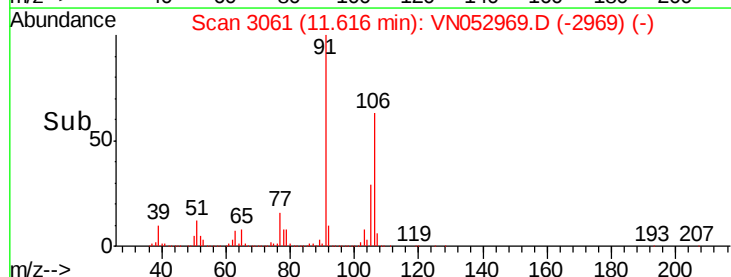
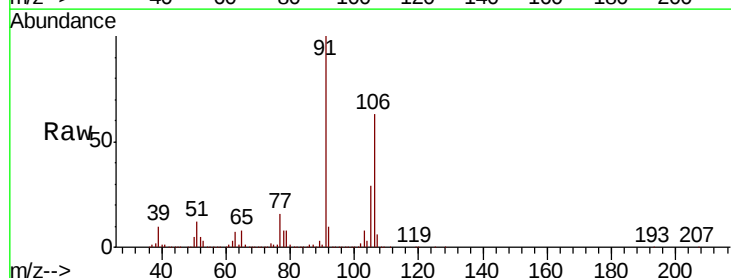
Acq: 18 Dec 2018 18:51

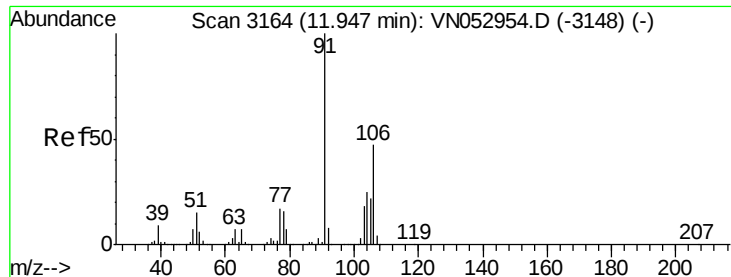
Tgt Ion:106 Resp: 9468231

Ion Ratio Lower Upper

106 100

91 0.0 162.2 243.4#

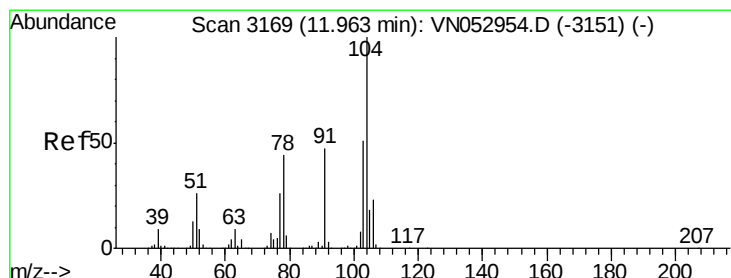
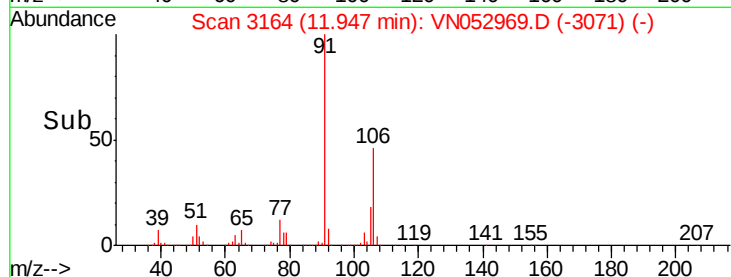
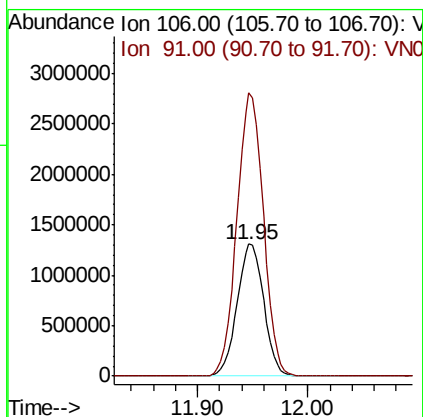
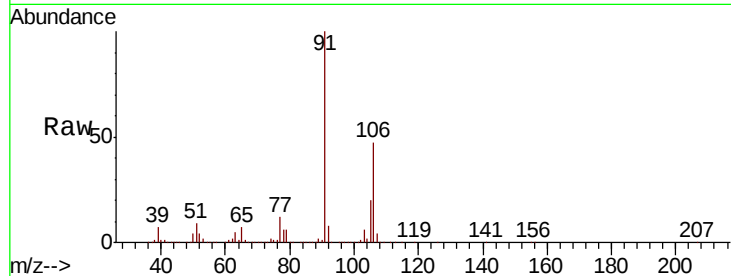




#69
o-Xylene
Concen: 84.750 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

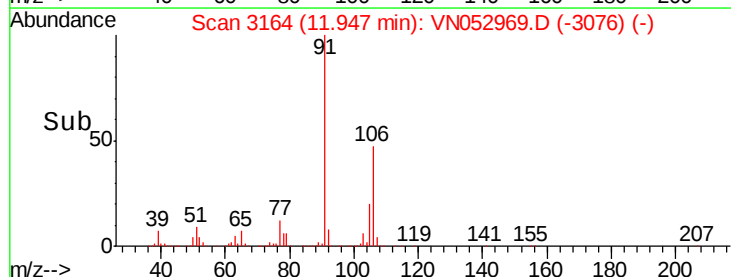
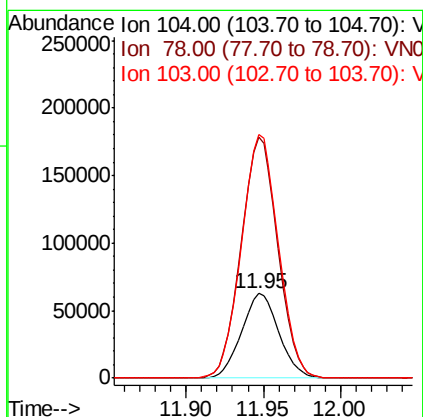
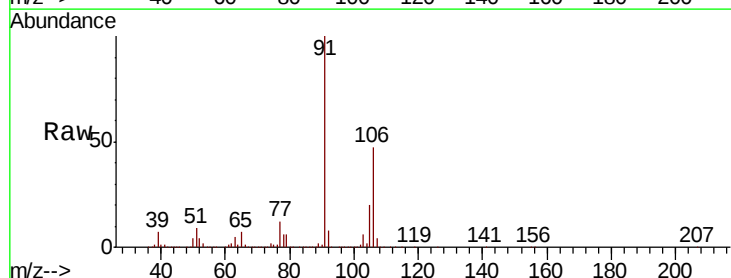
Instrument :
MSVOA_N
ClientSampleId :
P001-SD002-0612-01ME

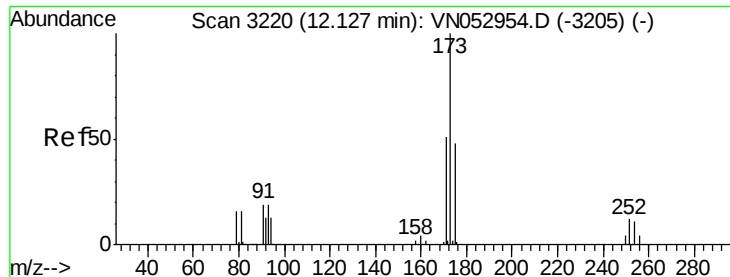
Tot Ion:106 Resp: 2181725
Ion Ratio Lower Upper
106 100
91 214.2 106.6 319.8



#70
Styrene
Concen: 2.513 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN052969.D
Acq: 18 Dec 2018 18:51

Tgt Ion:104 Resp: 105476
Ion Ratio Lower Upper
104 100
78 279.8 38.9 58.3#
103 283.5 44.3 66.5#





#71

Bromoform

Concen: 0.429 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0612-01ME

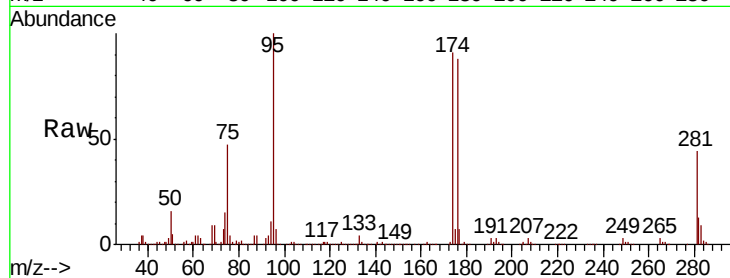
Tot Ion:173 Resp: 4423

Ion Ratio Lower Upper

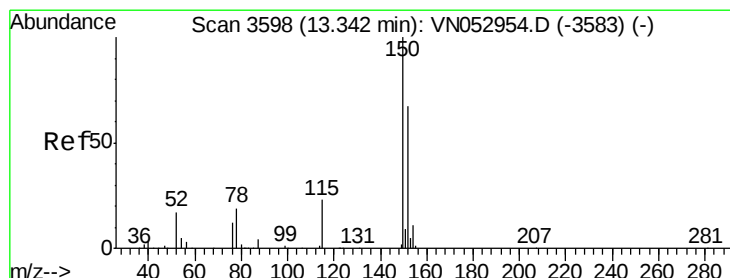
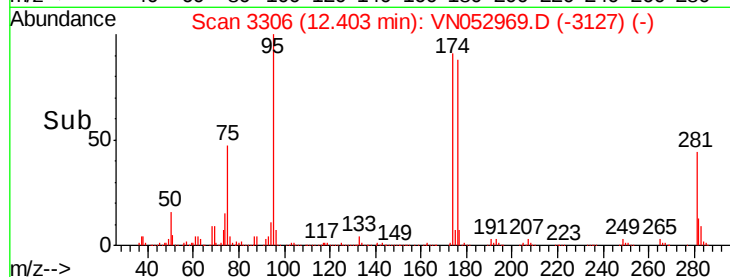
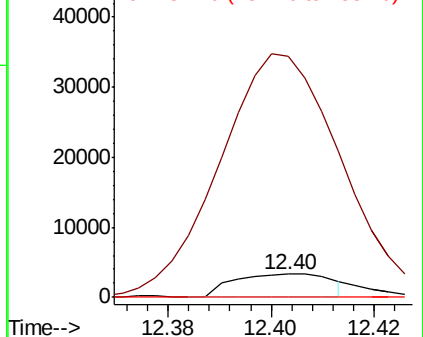
173 100

175 1130.6 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: VN052969.D

Acq: 18 Dec 2018 18:51

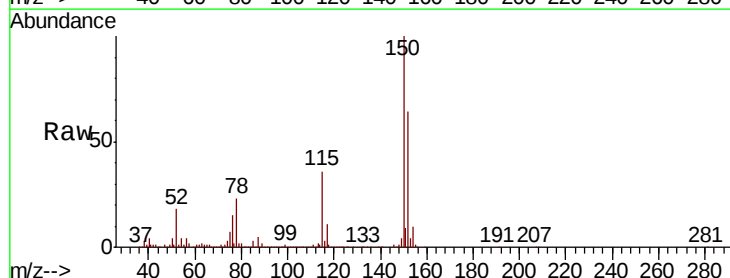
Tgt Ion:152 Resp: 806524

Ion Ratio Lower Upper

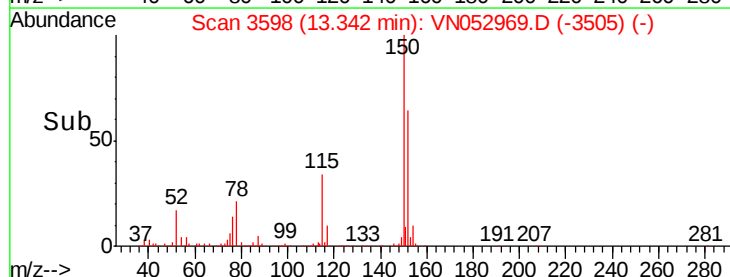
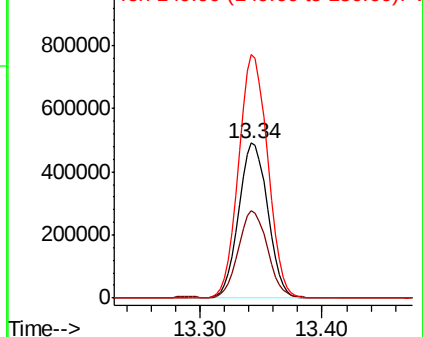
152 100

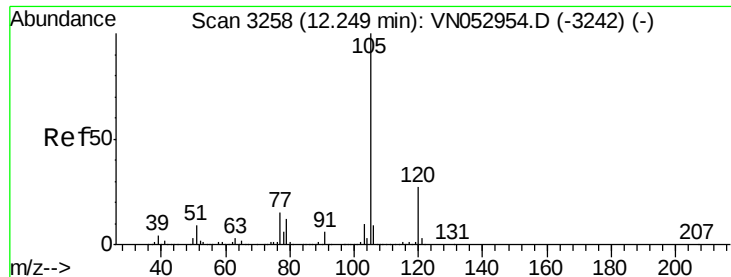
115 56.9 28.3 85.0

150 157.4 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: 1.537 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

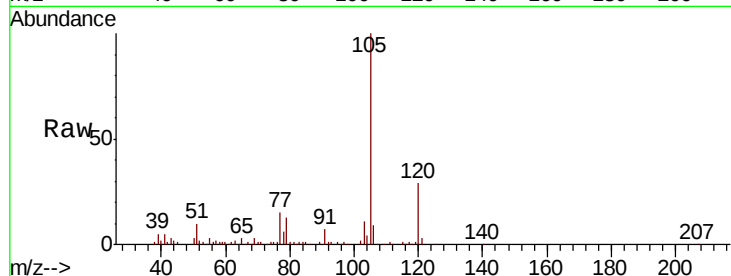
P001-SD002-0612-01ME

Tot Ion:105 Resp: 96997

Ion Ratio Lower Upper

105 100

120 28.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

60000

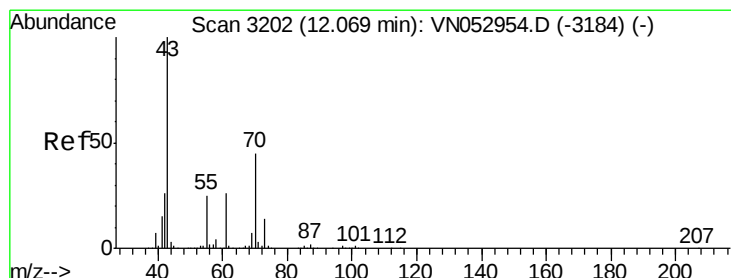
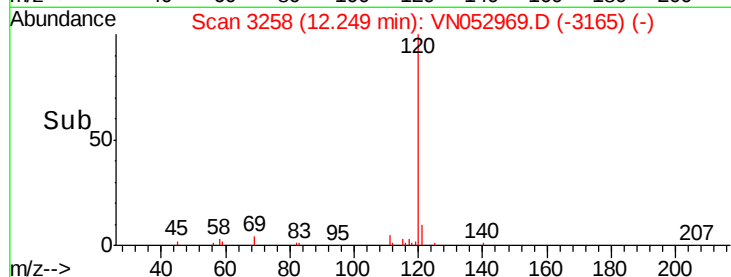
40000

20000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 0.439 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Tgt Ion: 43 Resp: 7687

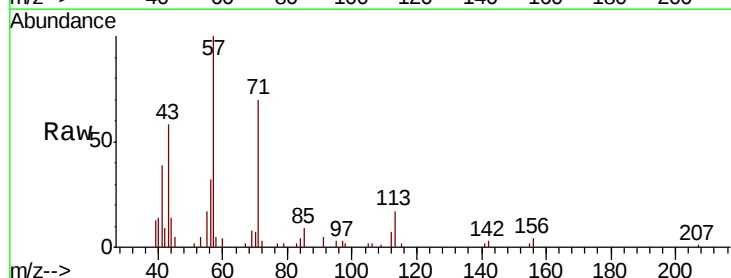
Ion Ratio Lower Upper

43 100

70 6.0 34.2 51.4#

55 7.5 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

8000

6000

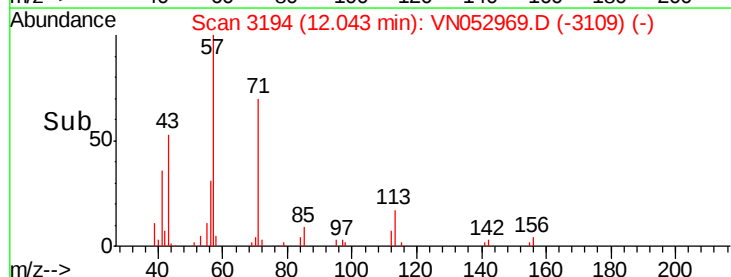
4000

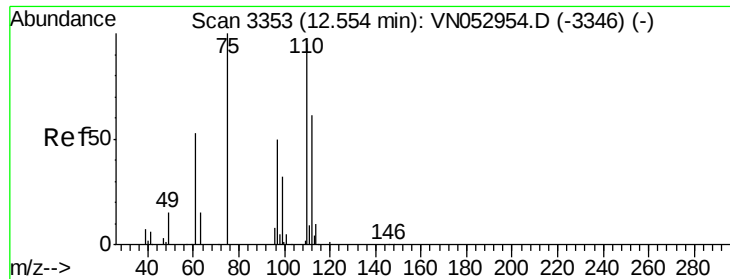
2000

0

Time-->

12.00 12.05 12.10





#76

1,2,3-Trichloropropane

Concen: 29.744 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

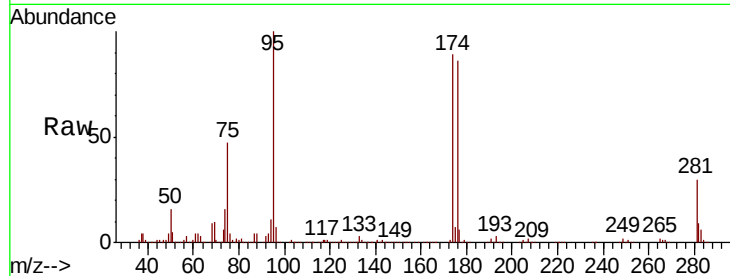
P001-SD002-0612-01ME

Tot Ion: 75 Resp: 403833

Ion Ratio Lower Upper

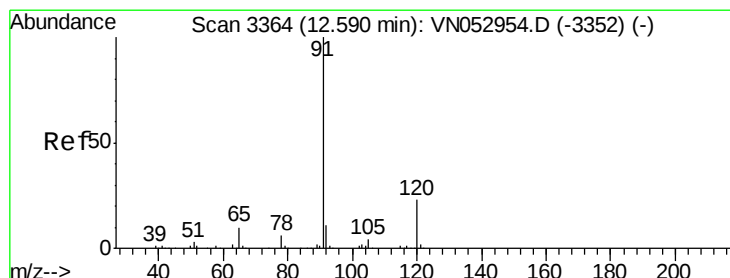
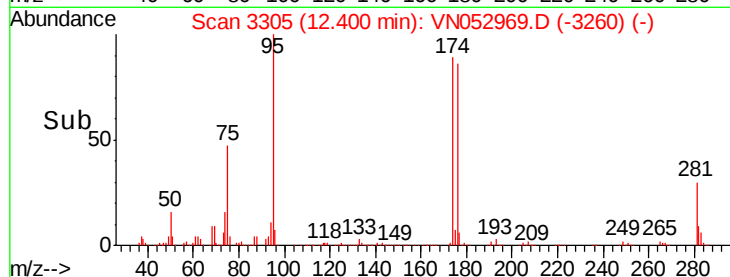
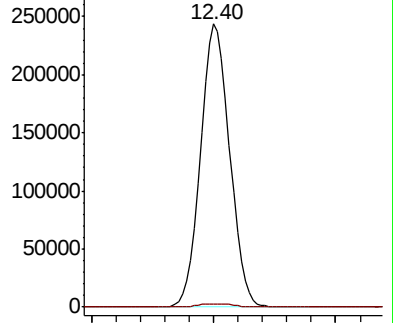
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 2.614 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052969.D

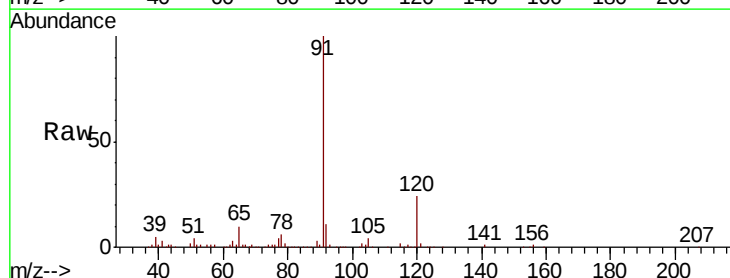
Acq: 18 Dec 2018 18:51

Tgt Ion: 91 Resp: 187895

Ion Ratio Lower Upper

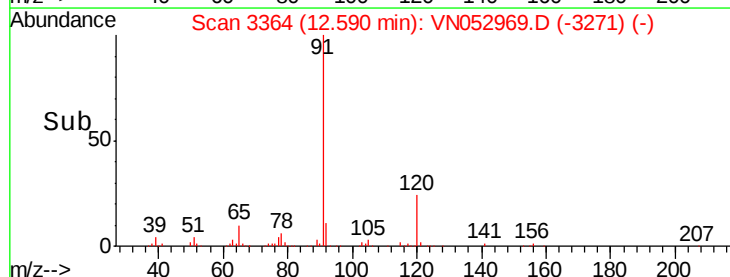
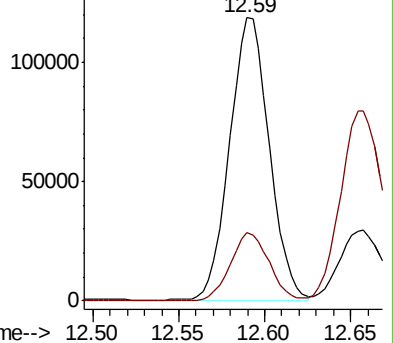
91 100

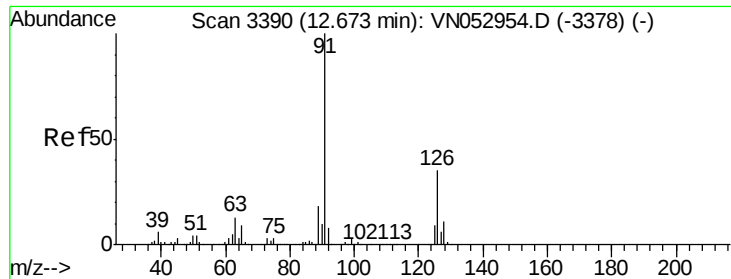
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.030 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

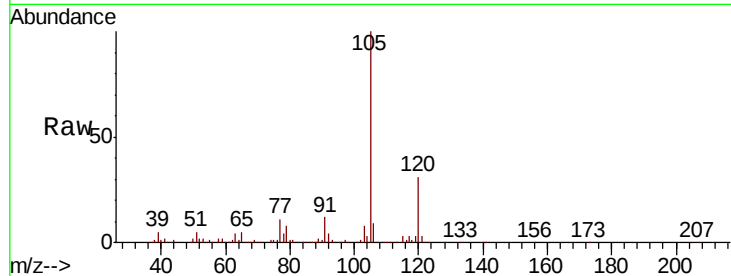
P001-SD002-0612-01ME

Tot Ion: 91 Resp: 45872

Ion Ratio Lower Upper

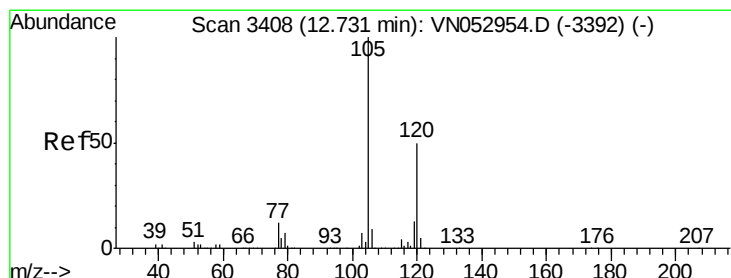
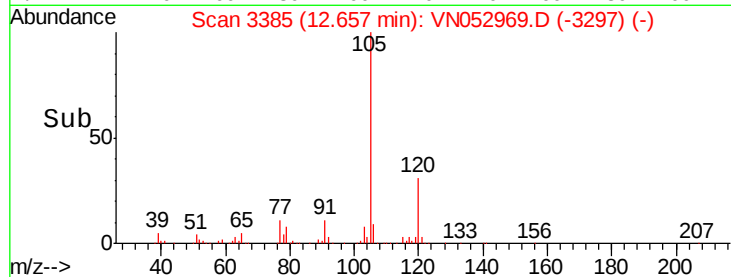
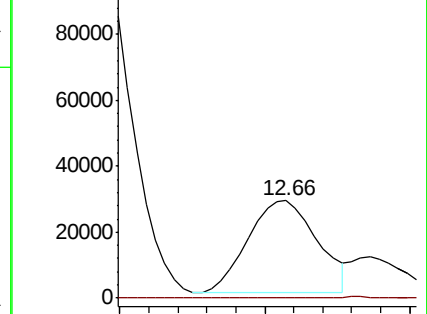
91 100

126 0.5 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.041 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052969.D

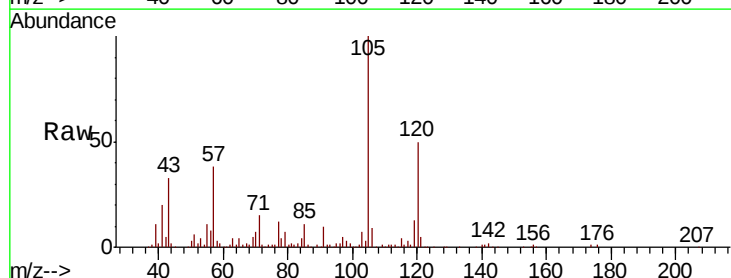
Acq: 18 Dec 2018 18:51

Tgt Ion: 105 Resp: 207865

Ion Ratio Lower Upper

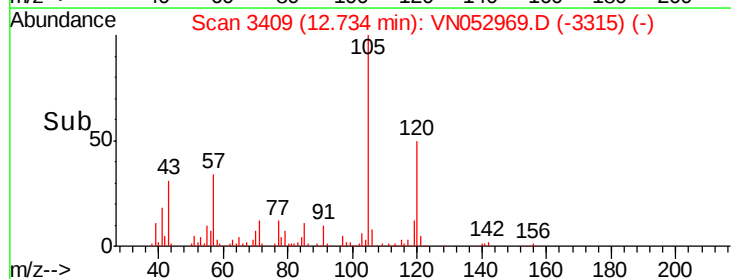
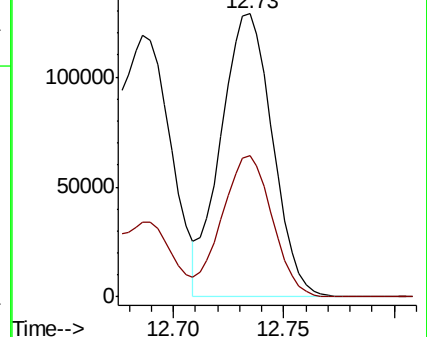
105 100

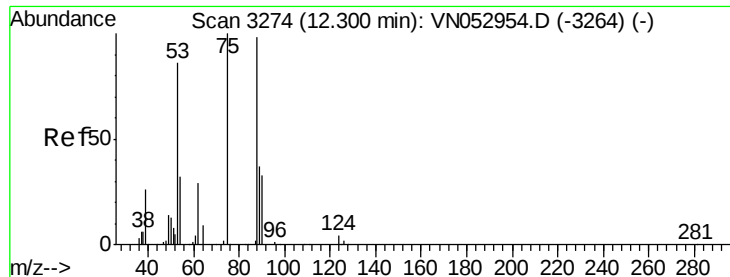
120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 95.868 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0612-01ME

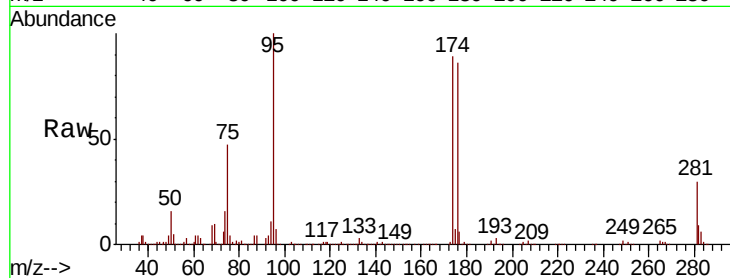
Tot Ion: 75 Resp: 403833

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

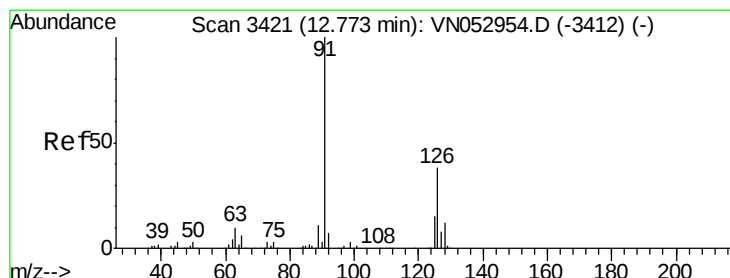
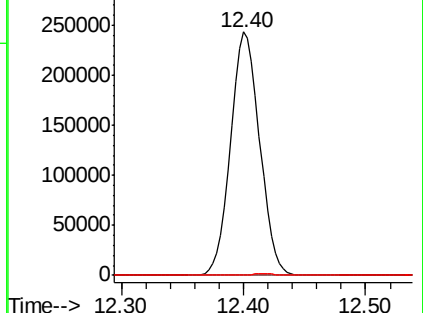
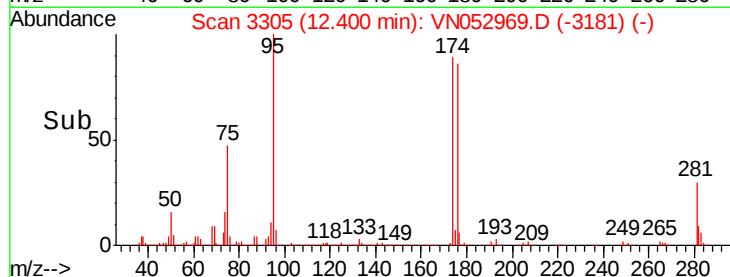
89 0.5 36.1 54.1#



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: 0.393 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN052969.D

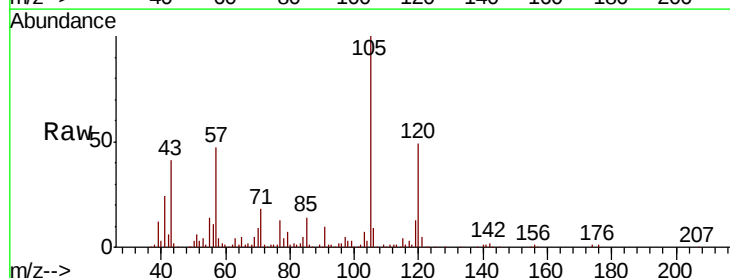
Acq: 18 Dec 2018 18:51

Tgt Ion: 91 Resp: 17126

Ion Ratio Lower Upper

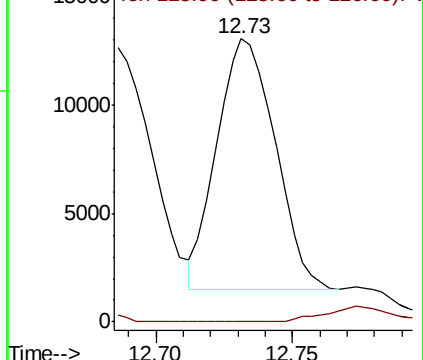
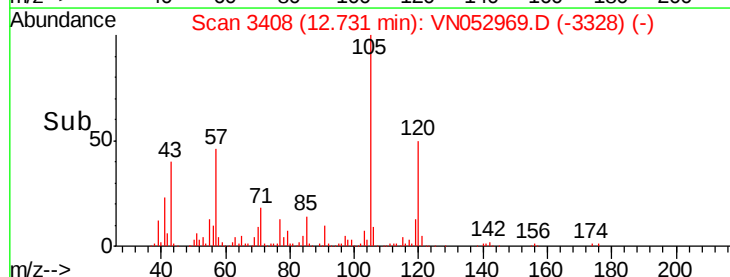
91 100

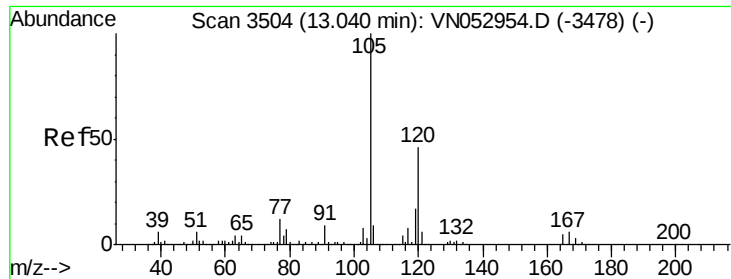
126 0.0 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

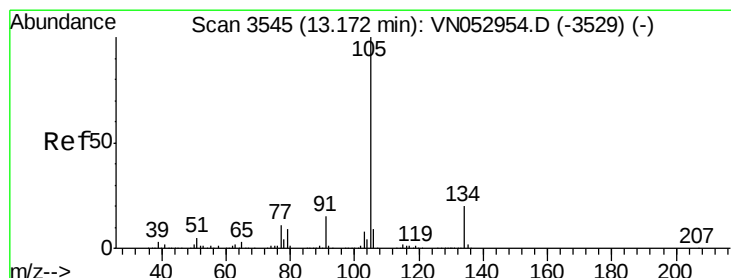
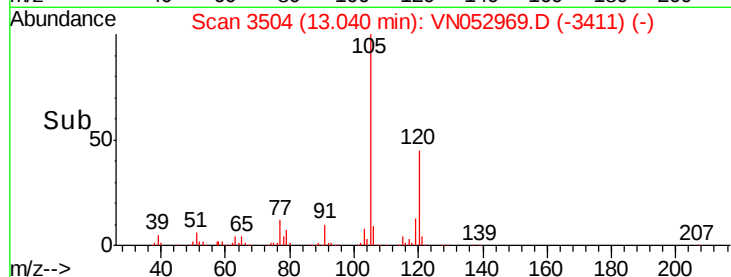
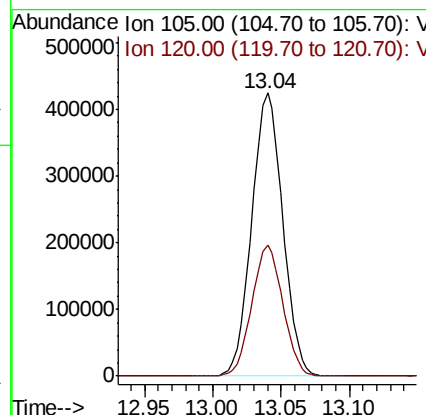
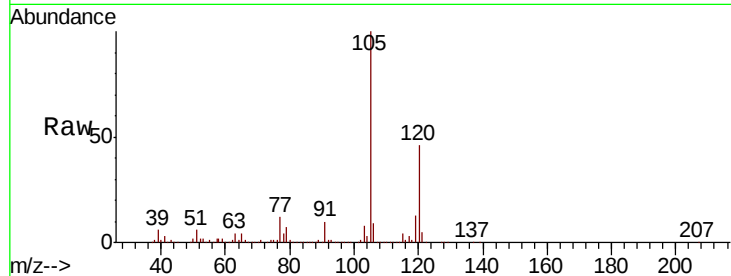




#84
 1,2,4-Trimethylbenzene
 Concen: 12.989 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

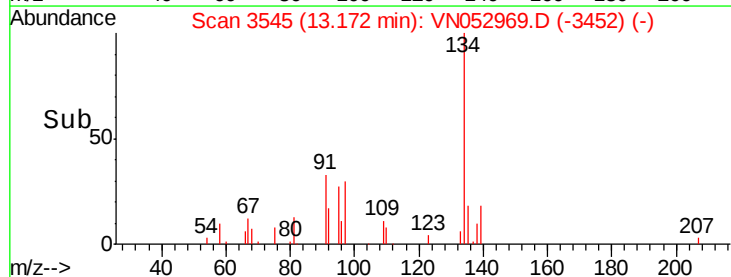
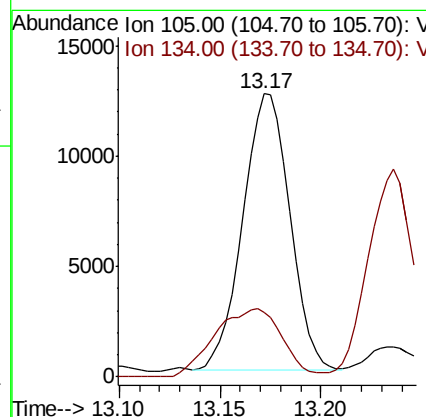
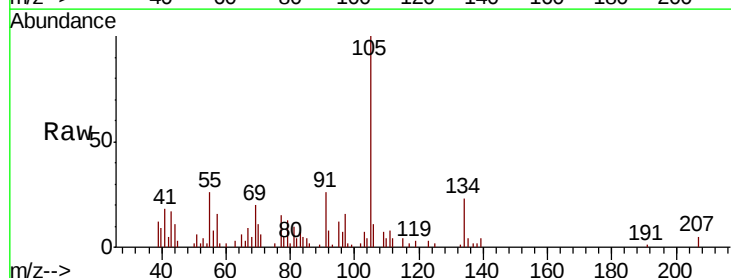
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

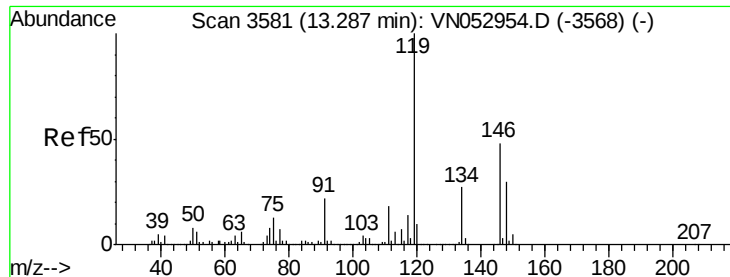
Tot Ion:105 Resp: 671612
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 0.331 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Tgt Ion:105 Resp: 20355
 Ion Ratio Lower Upper
 105 100
 134 35.3 10.1 30.3#

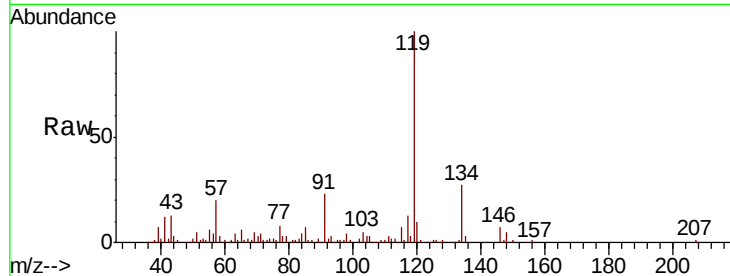




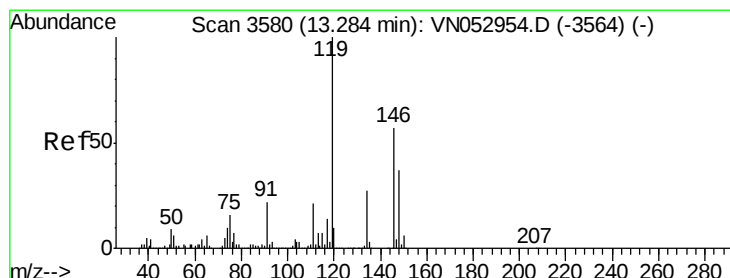
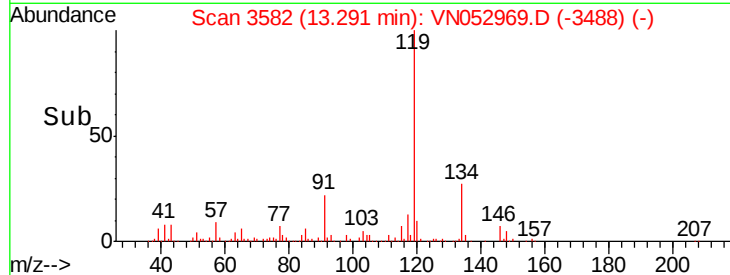
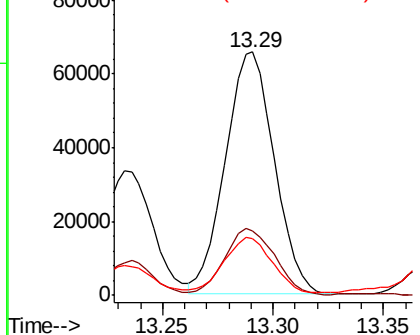
#86
 p-Isopropyltoluene
 Concen: 1.906 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.2	13.4	40.2
91	22.4	11.1	33.3

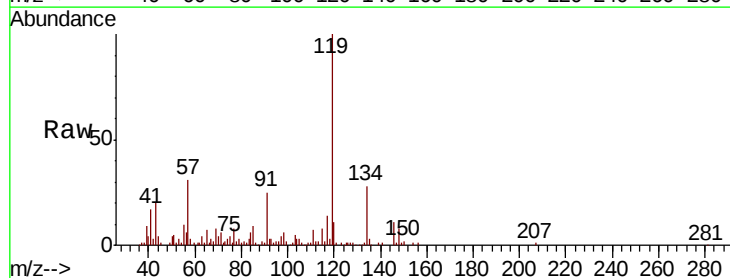


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

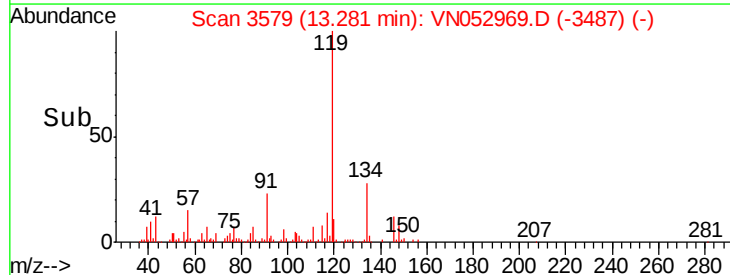
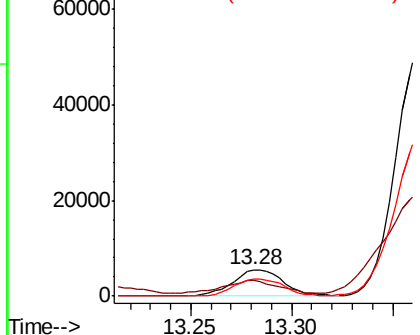


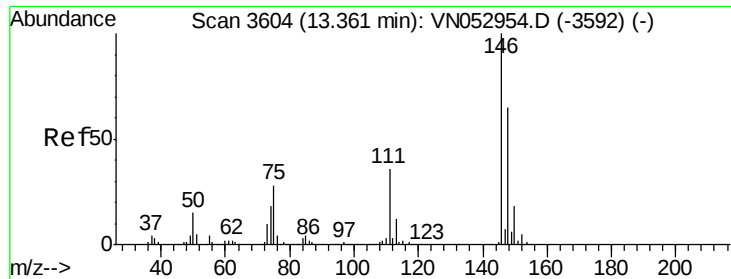
#87
 1,3-Dichlorobenzene
 Concen: 0.329 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.0	19.1	57.1
148	64.5	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

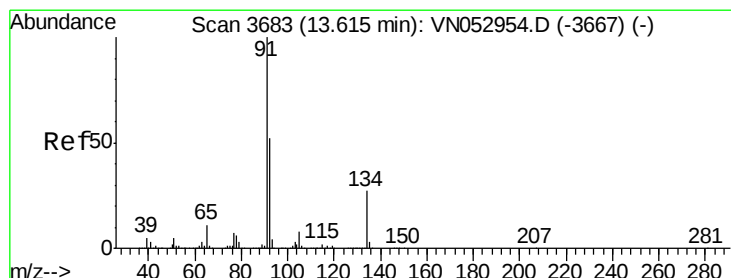
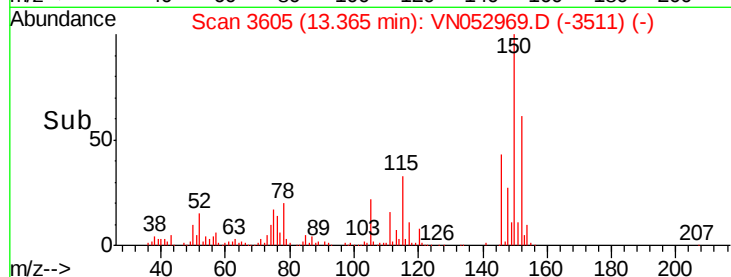
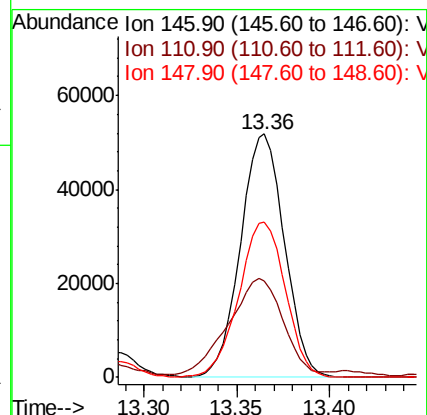
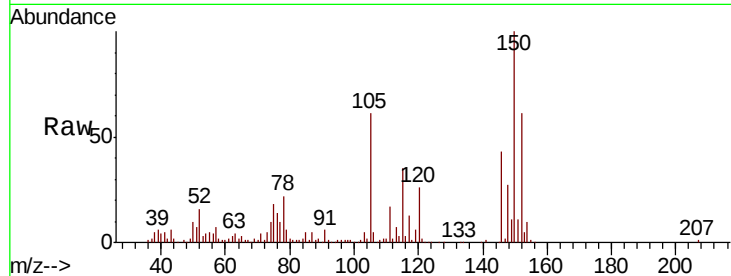




#88
 1,4-Dichlorobenzene
 Concen: 2.895 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

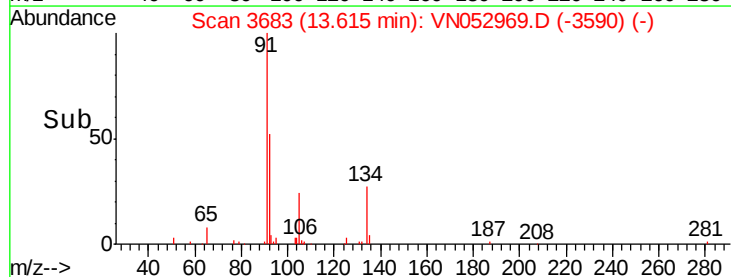
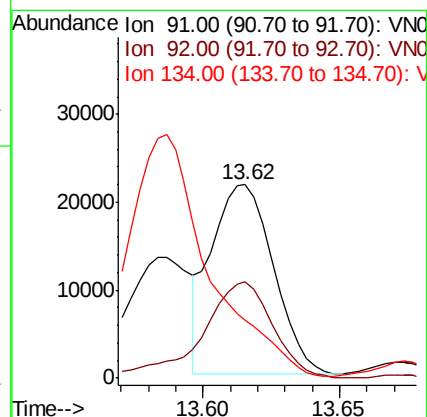
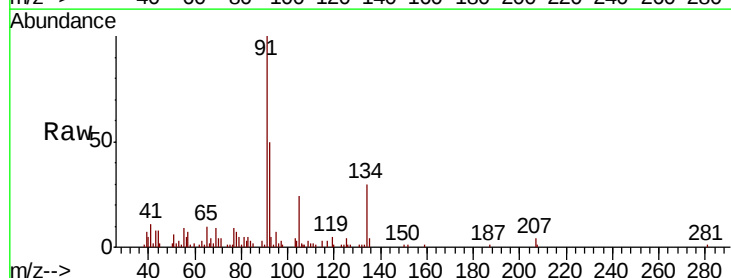
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

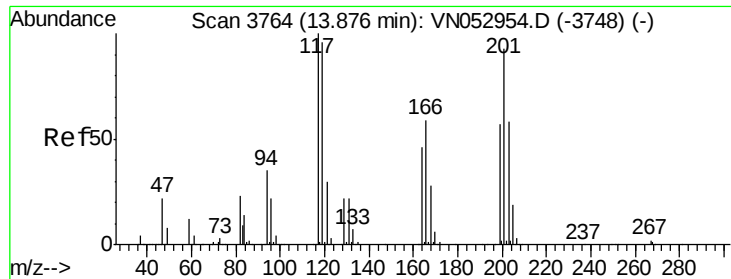
Tot Ion:146 Resp: 85127
 Ion Ratio Lower Upper
 146 100
 111 48.4 18.6 55.8
 148 67.8 32.1 96.5



#89
 n-Butylbenzene
 Concen: 0.742 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Tgt Ion: 91 Resp: 33951
 Ion Ratio Lower Upper
 91 100
 92 57.8 26.3 78.9
 134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 1.547 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

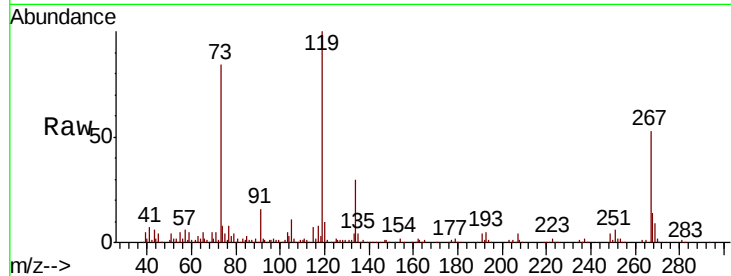
P001-SD002-0612-01ME

Tot Ion:117 Resp: 12623

Ion Ratio Lower Upper

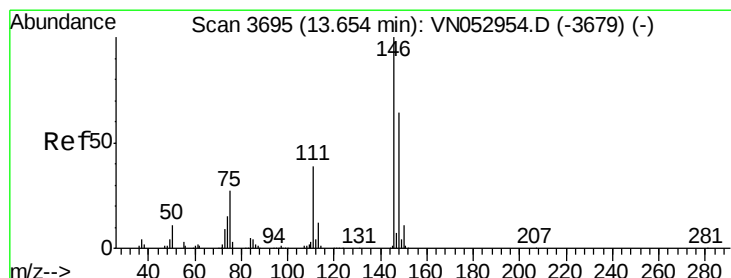
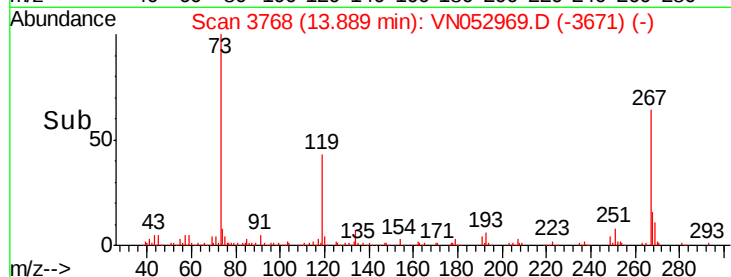
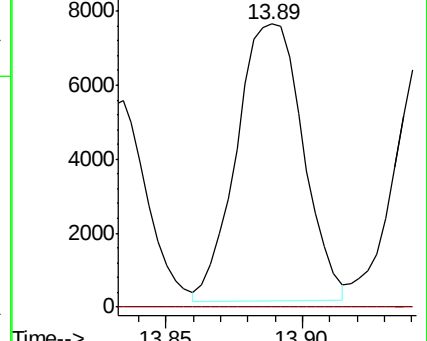
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.279 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

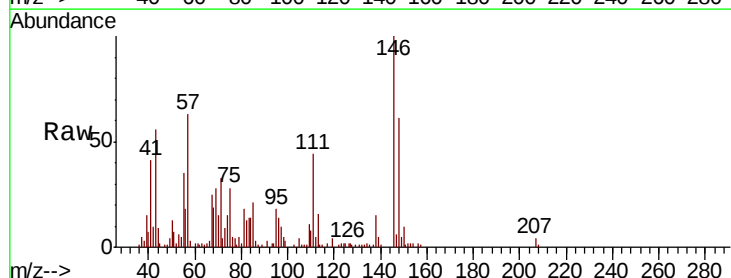
Tgt Ion:146 Resp: 34942

Ion Ratio Lower Upper

146 100

111 51.1 19.7 59.0

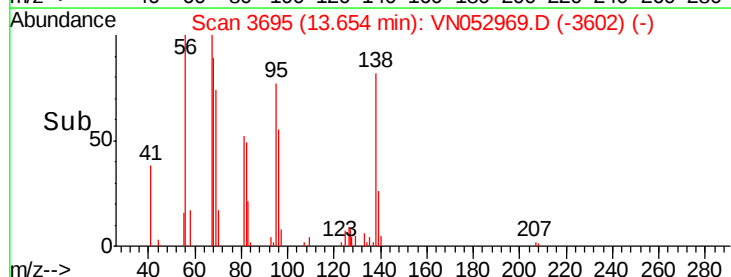
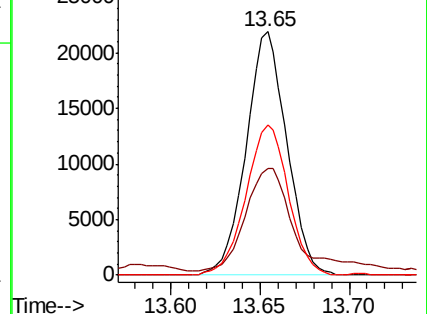
148 64.1 32.0 96.0

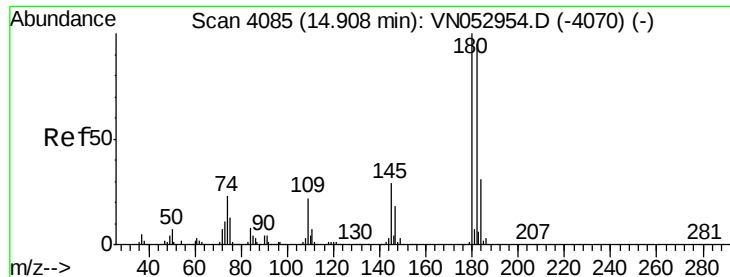


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

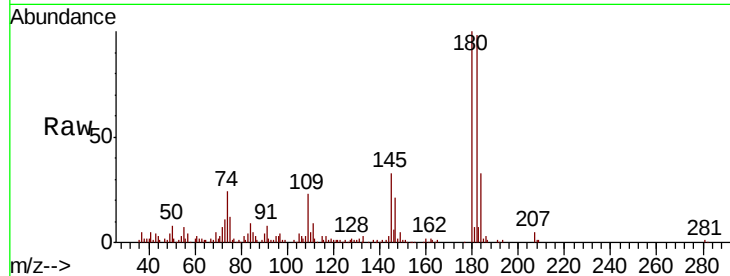




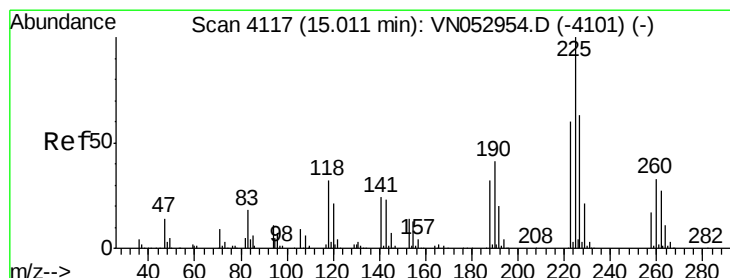
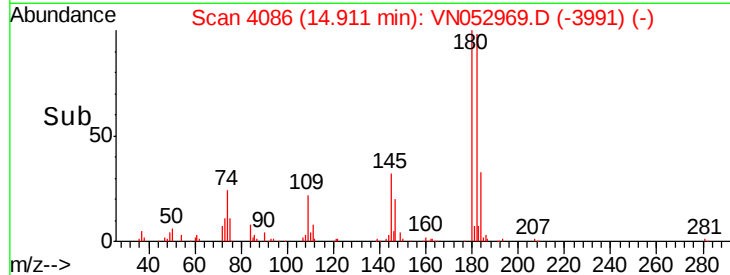
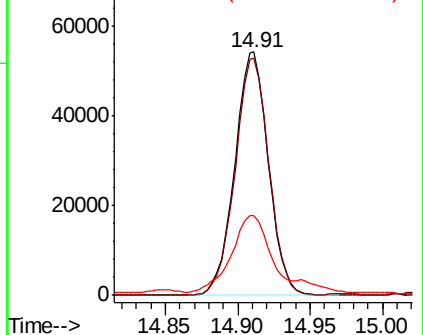
#93
 1,2,4-Trichlorobenzene
 Concen: 6.551 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD002-0612-01ME

Tot Ion:180 Resp: 87245
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.8 143.3
 145 40.7 14.2 42.6

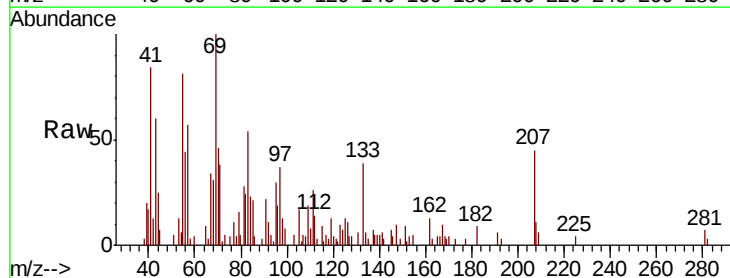


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

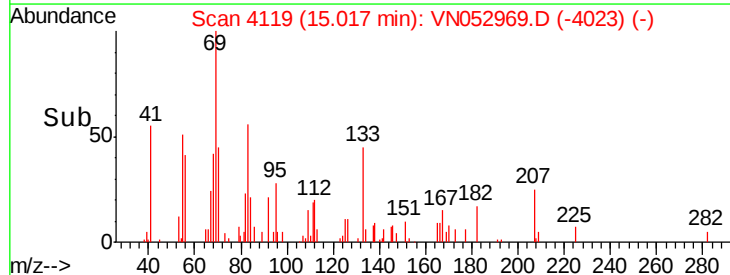
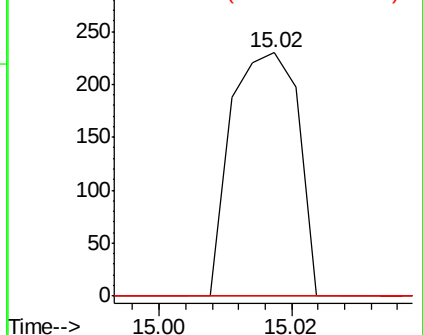


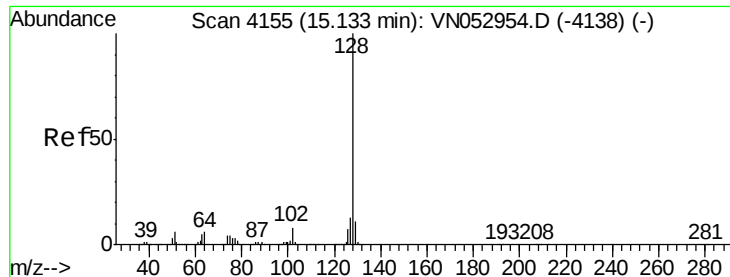
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN052969.D
 Acq: 18 Dec 2018 18:51

Tgt Ion:225 Resp: 162
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.5 94.5#
 227 0.0 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: 7.764 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

P001-SD002-0612-01ME

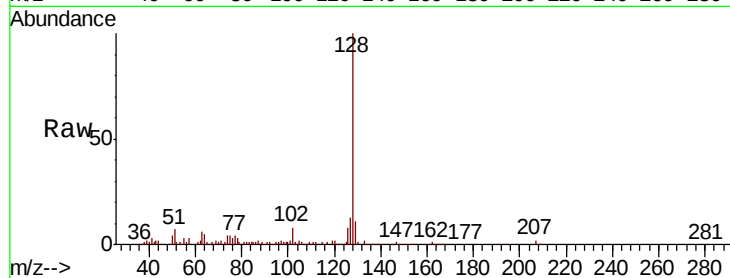
Tot Ion:128 Resp: 214760

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

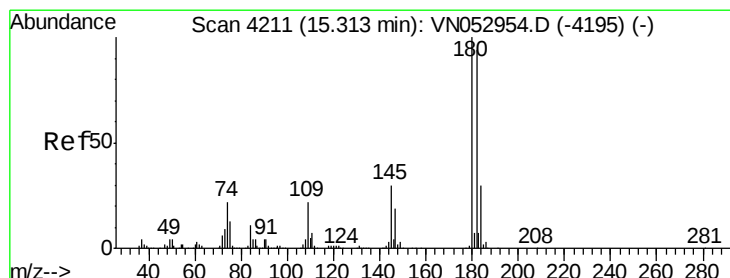
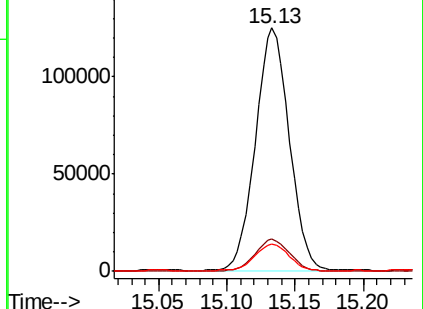
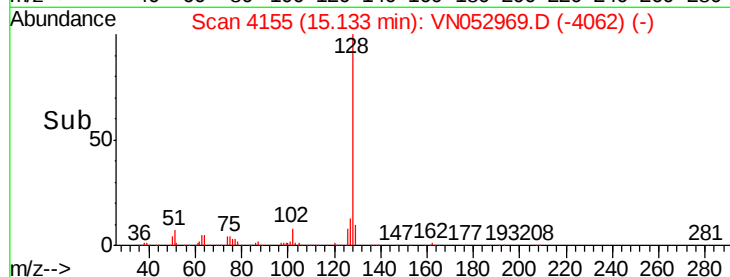
129 11.3 8.6 13.0



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: 2.696 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052969.D

Acq: 18 Dec 2018 18:51

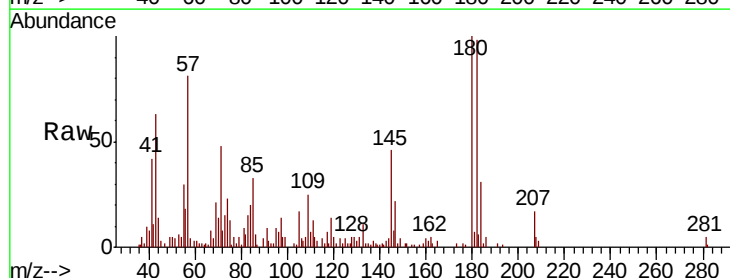
Tgt Ion:180 Resp: 28821

Ion Ratio Lower Upper

180 100

182 99.0 47.9 143.7

145 59.7 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

