

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052965.D
 Acq On : 18 Dec 2018 17:04
 Operator : MD\SY
 Sample : J6347-20ME
 Misc : 3.28g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD001-0006-01ME

Quant Time: Dec 19 03:47:46 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	1213056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1838218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1638004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	690399	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	576455	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	409609	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	10.09	98	2243369	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	732540	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	781	1.147	ug/l	90
14) Allyl chloride	4.58	41	65248	3.643	ug/l #	56
15) Acrylonitrile	5.05	53	5255	1.259	ug/l #	19
16) Acetone	3.82	43	7698	3.189	ug/l	99
17) Carbon Disulfide	4.04	76	9019	0.239	ug/l	100
18) Methyl Acetate	4.32	43	39588	4.534	ug/l #	74
20) Methylene Chloride	4.55	84	2798	0.213	ug/l #	82
25) 2-Butanone	6.84	43	1632	0.403	ug/l	90
29) Tetrahydrofuran	7.22	42	3340	1.104	ug/l #	67
31) Cyclohexane	7.65	56	79358	2.731	ug/l #	62
36) 1,1-Dichloropropene	7.66	75	80055	4.537	ug/l #	49
38) Carbon Tetrachloride	7.66	117	104453	6.459	ug/l #	16
39) Methylcyclohexane	9.08	83	178410	8.324	ug/l	96
40) Benzene	8.04	78	14343	0.273	ug/l	98
43) Isopropyl Acetate	8.15	43	15743	Below Cal	#	53
48) Methyl methacrylate	9.08	41	72534	7.589	ug/l #	76
51) 4-Methyl-2-Pentanone	10.09	43	12331	1.293	ug/l #	1
52) Toluene	10.16	92	14610	0.449	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	17137	1.510	ug/l #	20
56) Ethyl methacrylate	10.43	69	6998	0.466	ug/l #	29
59) 2-Hexanone	10.72	43	19154	2.968	ug/l #	29
65) Chlorobenzene	11.43	112	132131	3.639	ug/l	98
67) Ethyl Benzene	11.62	91	7710060	123.472	ug/l #	67
68) m/p-Xylenes	11.62	106	3807705	160.403	ug/l	100
69) o-Xylene	11.95	106	452821	19.879	ug/l	100
70) Styrene	11.95	104	23664	0.637	ug/l #	1
71) Bromoform	12.40	173	4201	0.461	ug/l #	1
73) Isopropylbenzene	12.25	105	45177	0.836	ug/l	99
74) N-amyl acetate	12.05	43	7333	0.489	ug/l #	60
76) 1,2,3-Trichloropropane	12.40	75	343787	29.580	ug/l #	100
78) n-propylbenzene	12.59	91	92397	1.502	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	176152	4.001	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	343787	95.341	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	602829	13.620	ug/l	100

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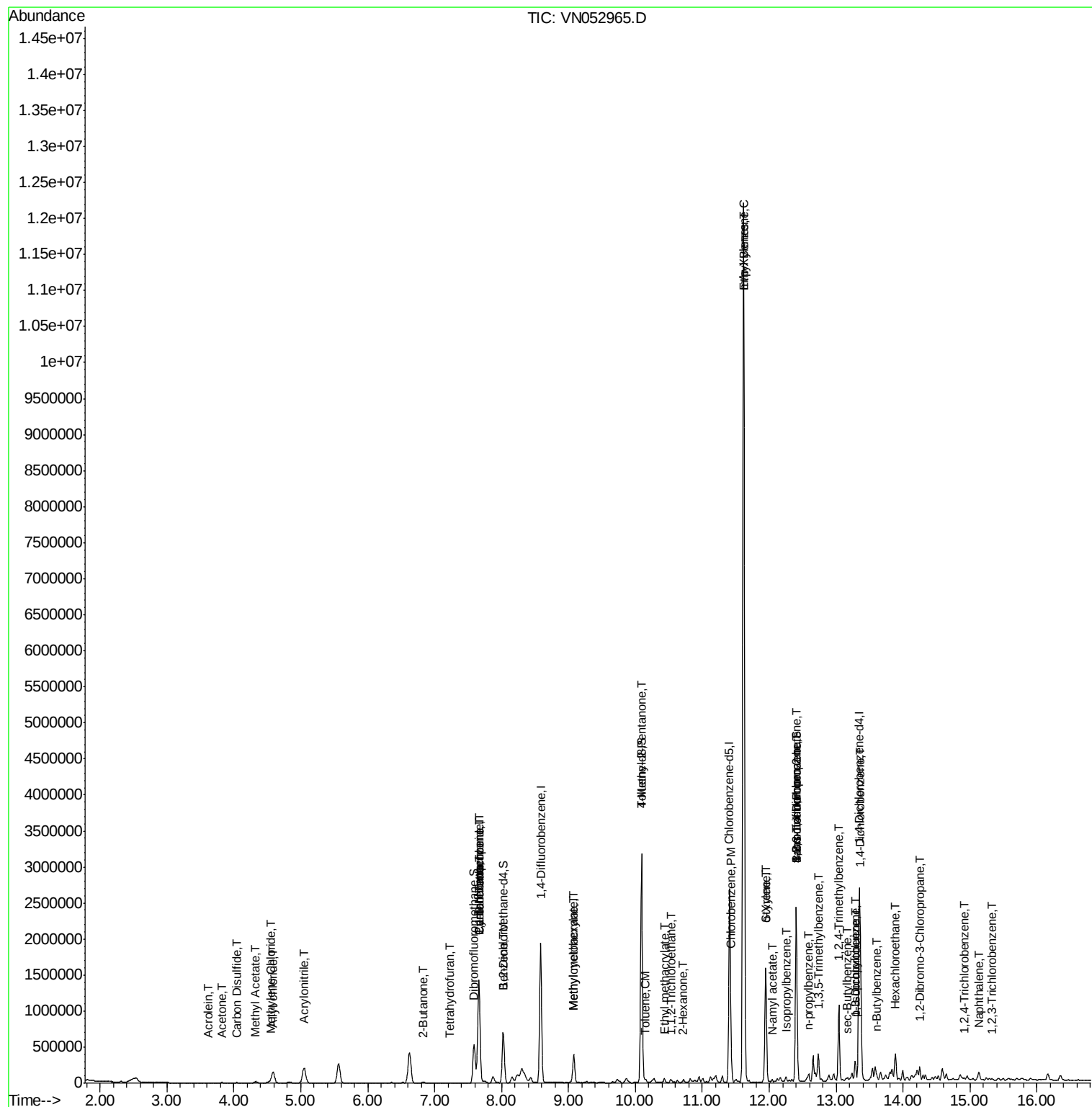
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	20680	0.393	ug/l #	70
86) p-Isopropyltoluene	13.29	119	56869	1.250	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	71866	2.892	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	541869	21.531	ug/l	99
89) n-Butylbenzene	13.62	91	31051	0.793	ug/l #	79
90) Hexachloroethane	13.89	117	10298	1.475	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1006	0.549	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	6601	1.122	ug/l #	62
94) Hexachlorobutadiene	15.01	225	822	Below Cal		91
95) Naphthalene	15.13	128	92861	4.489	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	4146	0.876	ug/l #	14

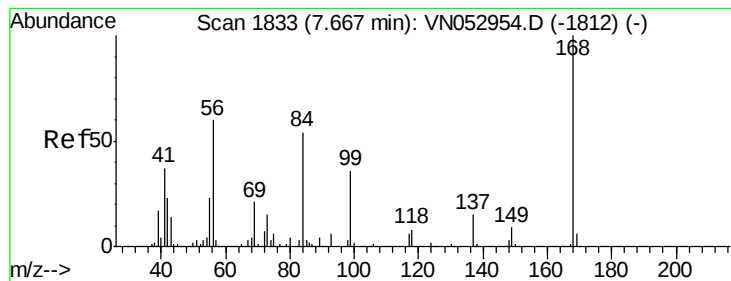
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

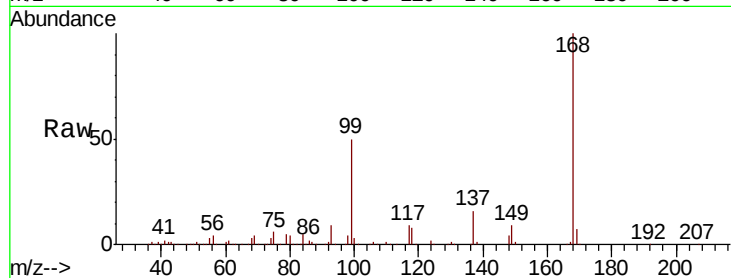
P001-SD001-0006-01ME

Tot Ion:168 Resp: 1213056

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052965.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052965.D (-1740) (-)

7.66

500000

400000

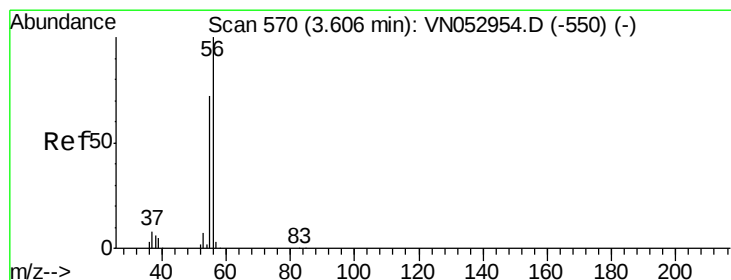
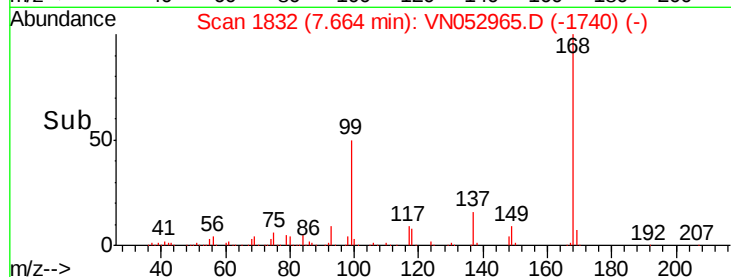
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.147 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052965.D

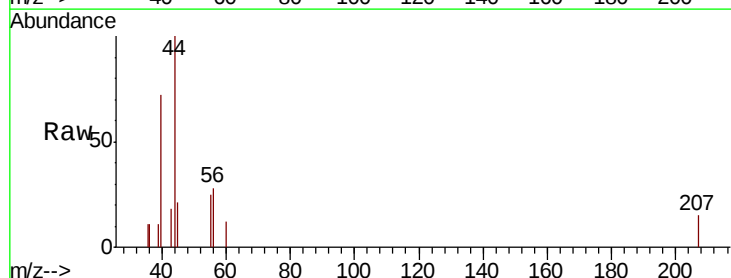
Acq: 18 Dec 2018 17:04

Tgt Ion: 56 Resp: 781

Ion Ratio Lower Upper

56 100

55 79.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN052965.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN052965.D (-477) (-)

3.61

400

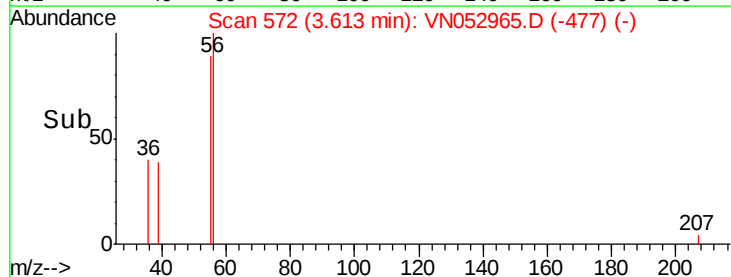
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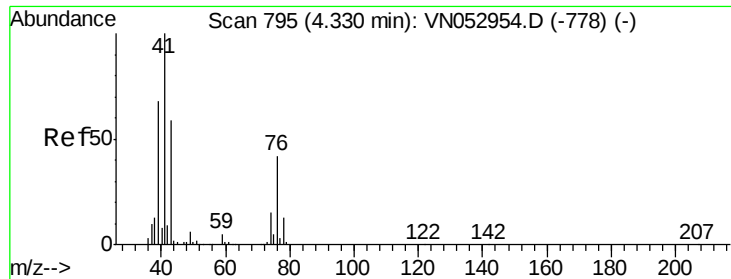
200

100

0

Time-->

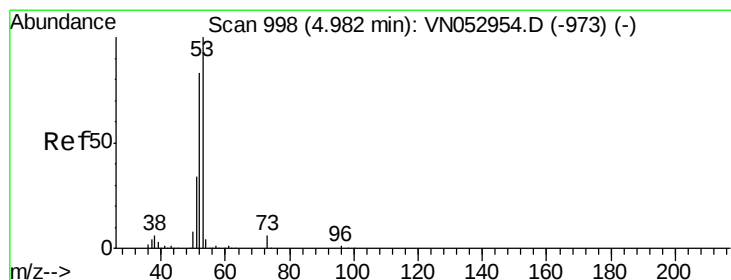
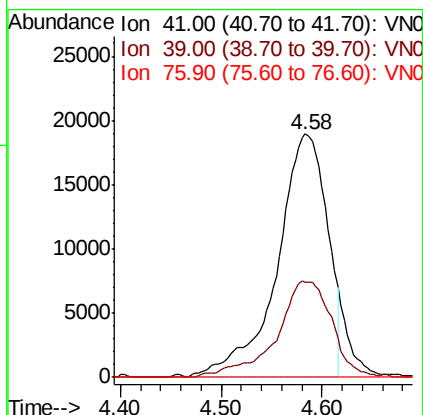
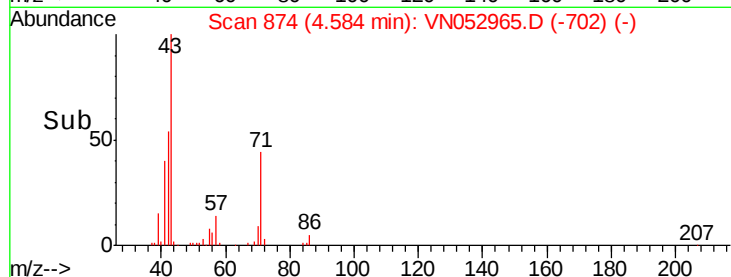
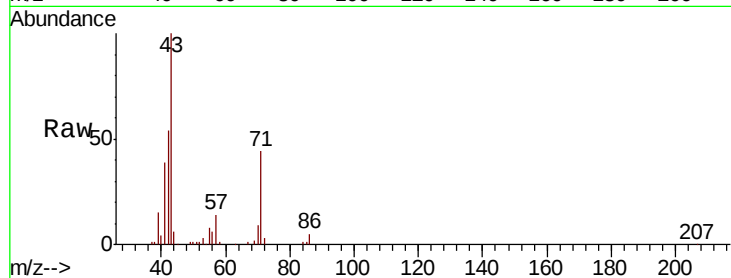




#14
Allvl chloride
Concen: 3.643 ug/l
RT: 4.58 min Scan# 874
Delta R.T. 0.25 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

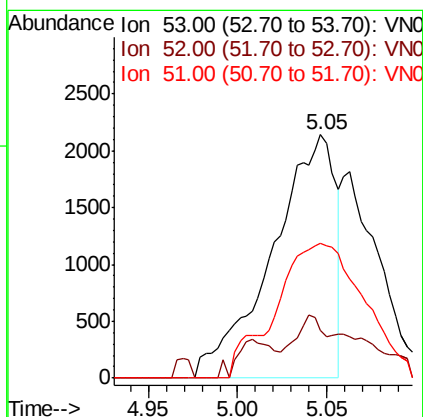
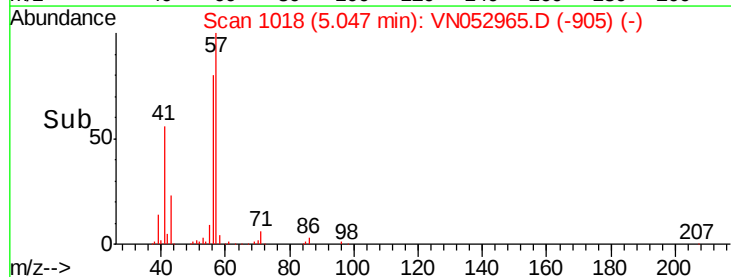
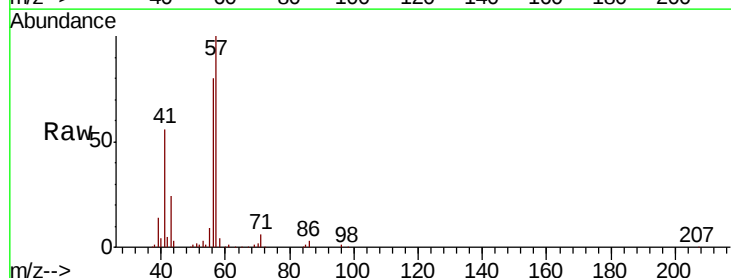
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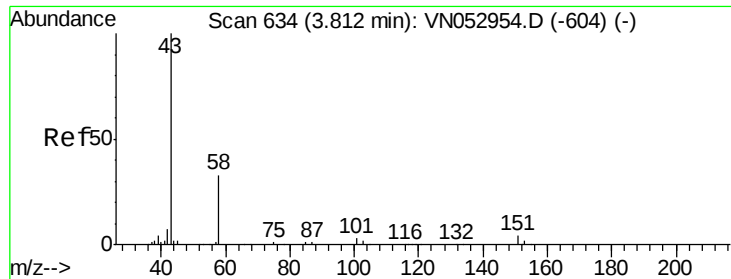
Tot Ion: 41 Resp: 65248
Ion Ratio Lower Upper
41 100
39 41.0 54.1 81.1#
76 0.0 30.3 45.5#



#15
Acrylonitrile
Concen: 1.259 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.06 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

Tgt Ion: 53 Resp: 5255
Ion Ratio Lower Upper
53 100
52 5.8 65.1 97.7#
51 77.2 28.1 42.1#





#16

Acetone

Concen: 3.189 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

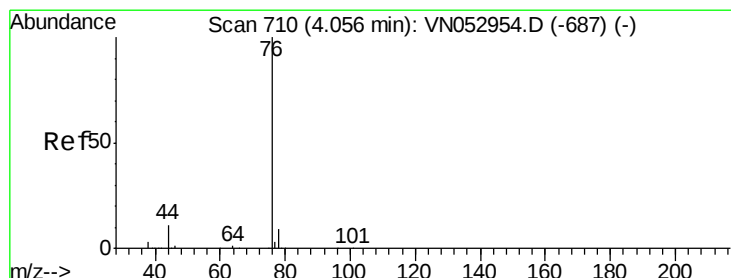
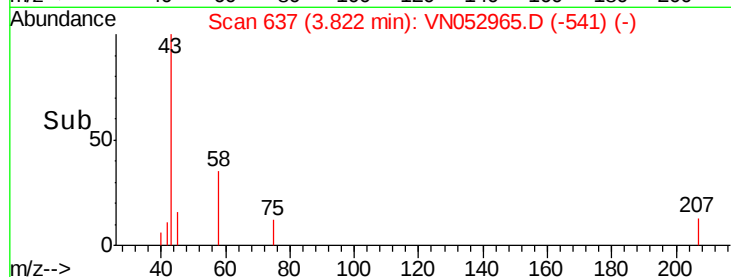
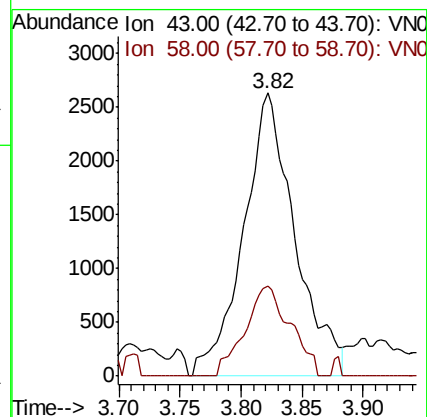
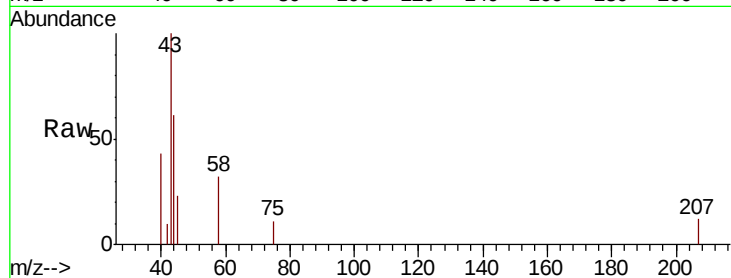
P001-SD001-0006-01ME

Tot Ion: 43 Resp: 7698

Ion Ratio Lower Upper

43 100

58 32.1 25.4 38.0



#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN052965.D

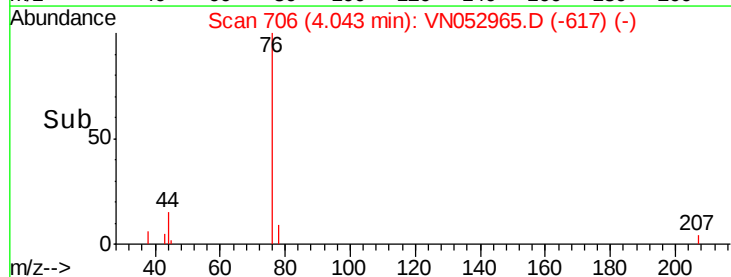
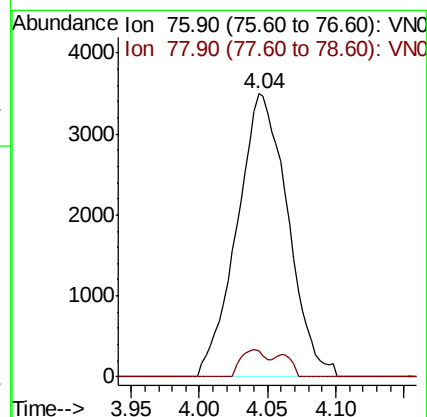
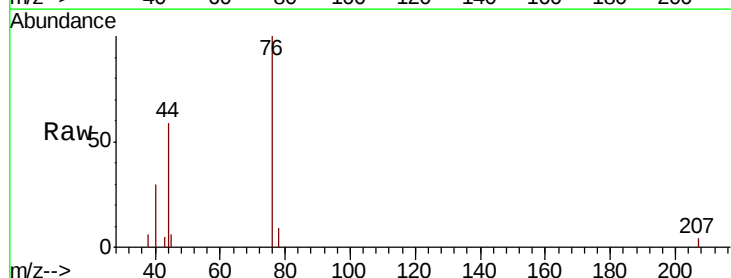
Acq: 18 Dec 2018 17:04

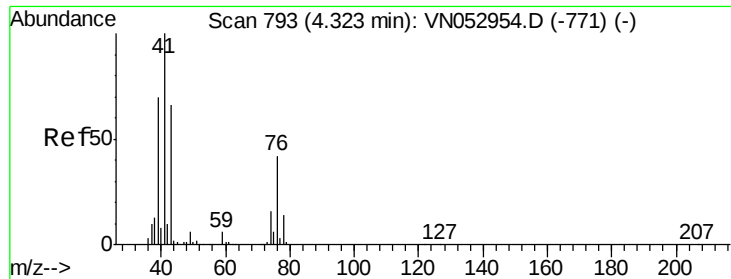
Tgt Ion: 76 Resp: 9019

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

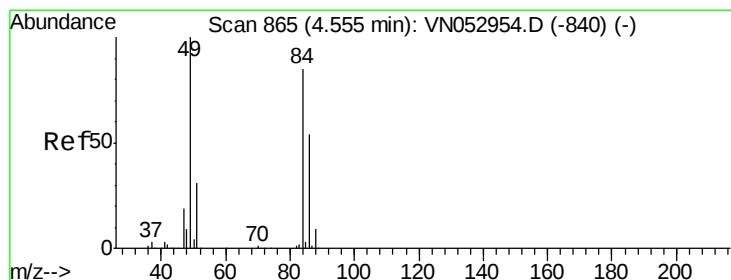
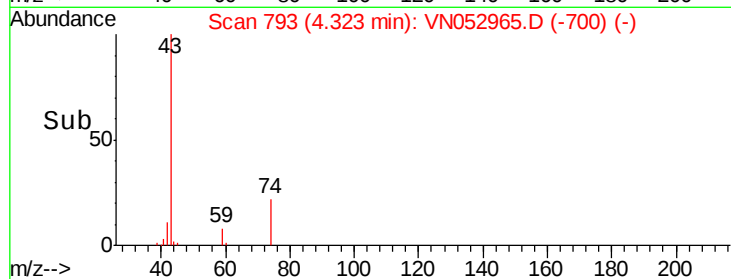
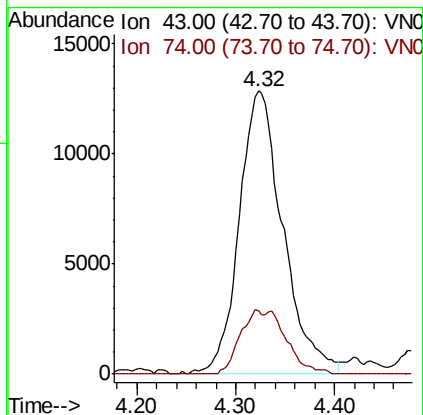
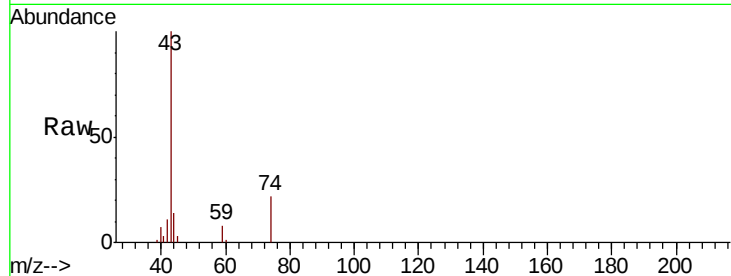




#18
Methyl Acetate
Concen: 4.534 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

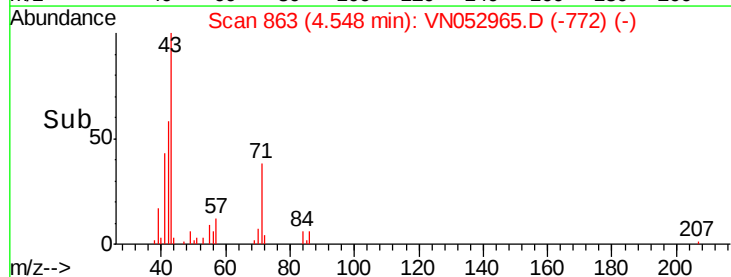
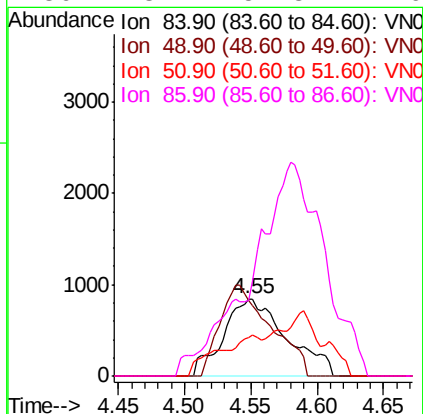
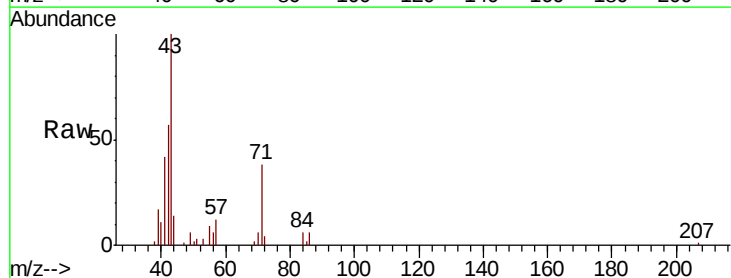
Instrument :
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ClientSampleId :
P001-SD001-0006-01ME

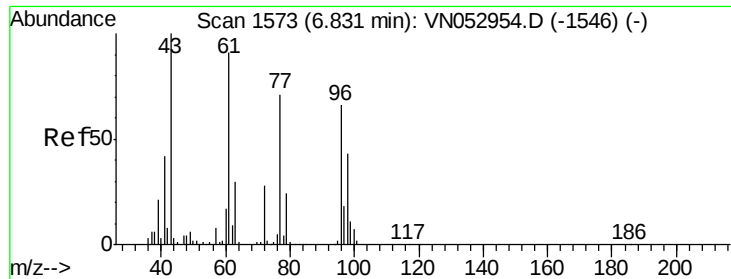
Tot Ion: 43 Resp: 39588
Ion Ratio Lower Upper
43 100
74 11.4 19.2 28.8#



#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

Tgt Ion: 84 Resp: 2798
Ion Ratio Lower Upper
84 100
49 98.2 96.8 145.2
51 50.7 29.9 44.9#
86 73.2 51.8 77.6





#25

2-Butanone

Concen: 0.403 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

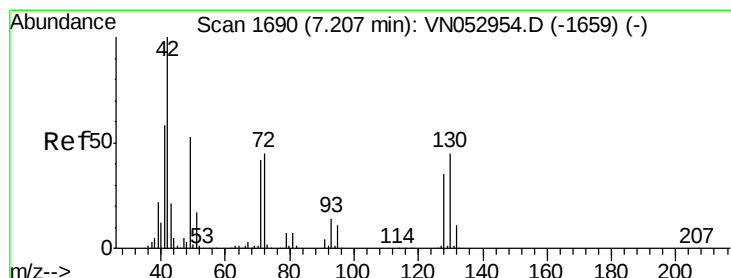
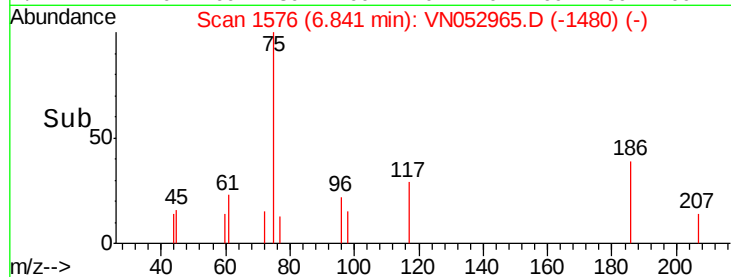
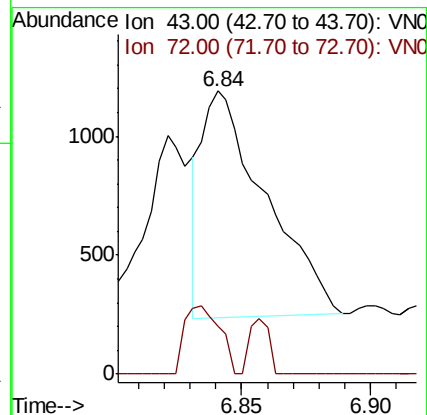
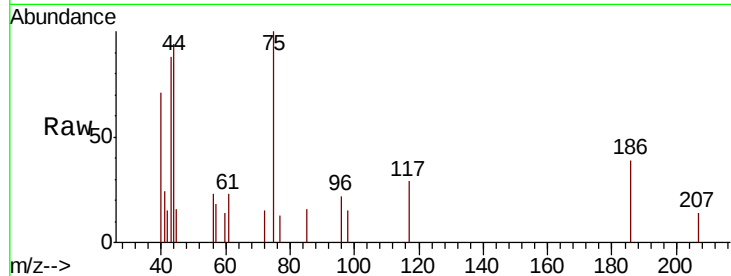
P001-SD001-0006-01ME

Tot Ion: 43 Resp: 1632

Ion Ratio Lower Upper

43 100

72 21.3 21.0 31.6



#29

Tetrahydrofuran

Concen: 1.104 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

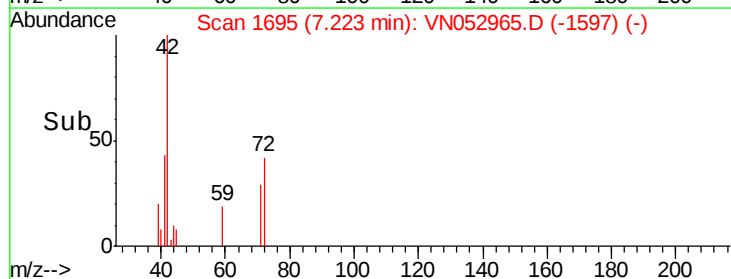
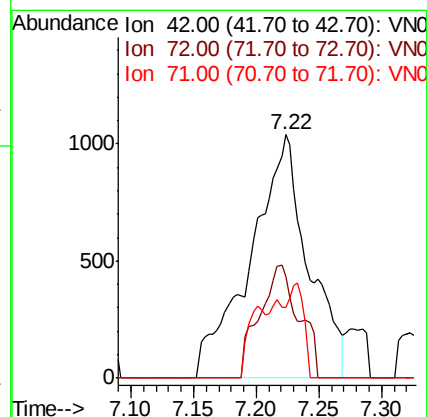
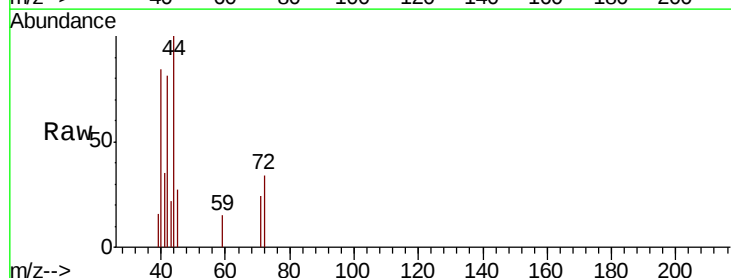
Tgt Ion: 42 Resp: 3340

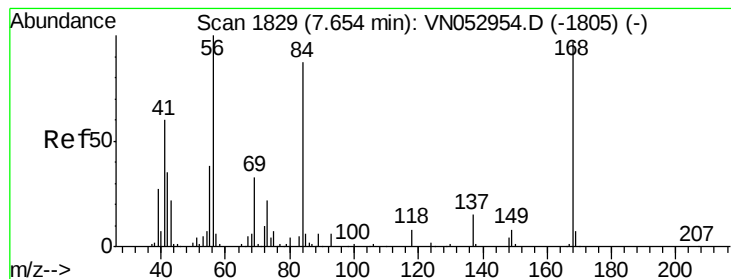
Ion Ratio Lower Upper

42 100

72 31.3 34.7 52.1#

71 10.0 32.3 48.5#





#31

Cyclohexane

Concen: 2.731 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

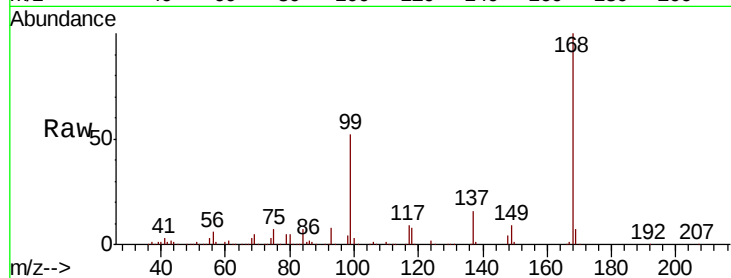
Tot Ion: 56 Resp: 79358

Ion Ratio Lower Upper

56 100

69 72.0 26.6 39.8#

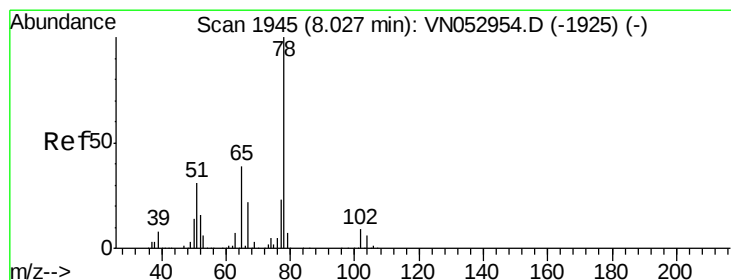
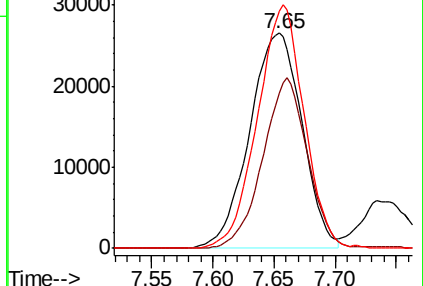
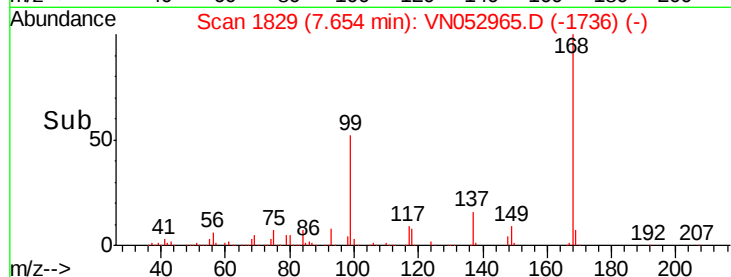
84 110.0 68.4 102.6#



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: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052965.D

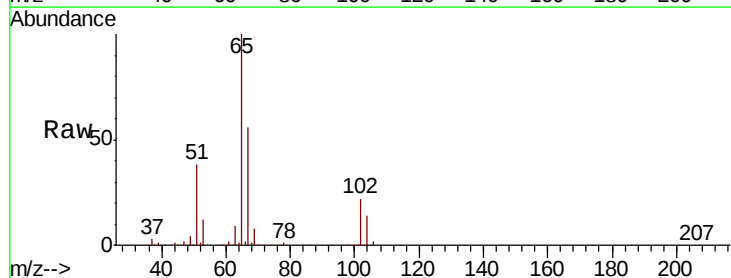
Acq: 18 Dec 2018 17:04

Tgt Ion: 65 Resp: 576455

Ion Ratio Lower Upper

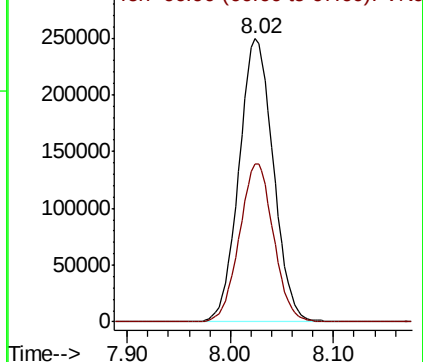
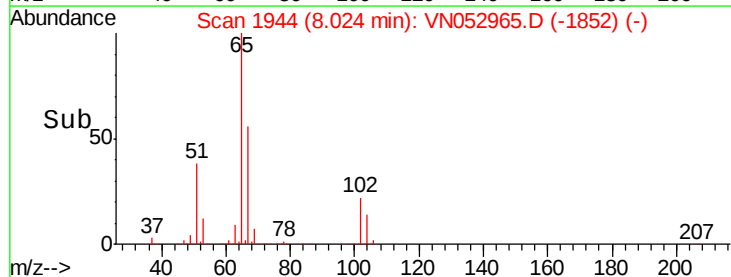
65 100

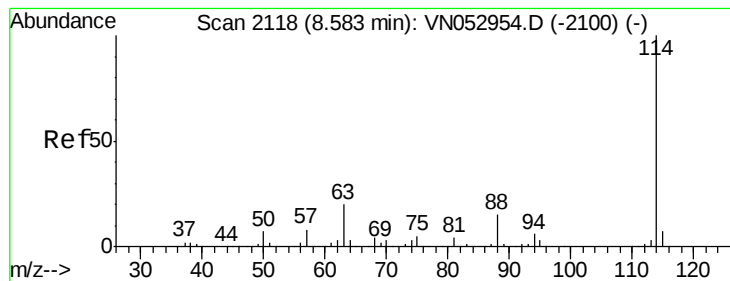
67 55.5 0.0 110.4



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: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

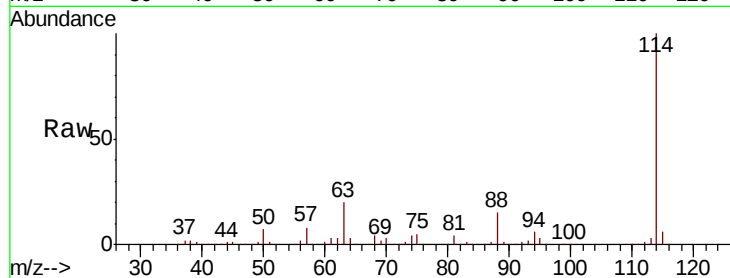
Tot Ion:114 Resp: 1838218

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

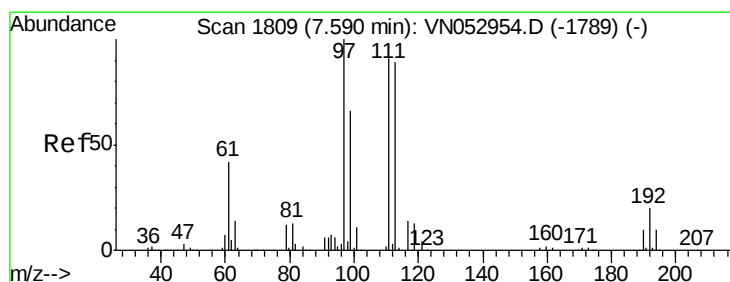
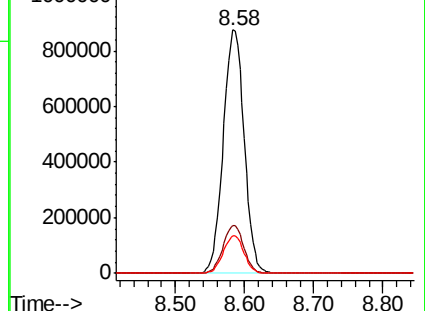
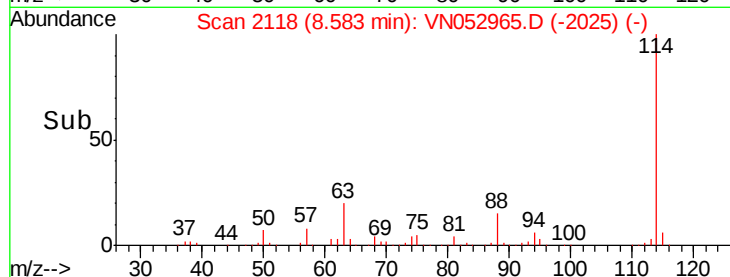
88 15.5 0.0 31.0



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: VN052965.D

Acq: 18 Dec 2018 17:04

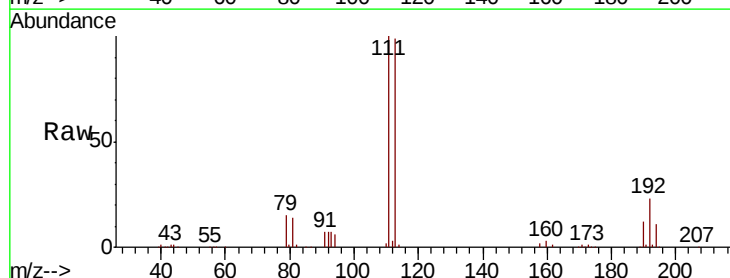
Tgt Ion:113 Resp: 409609

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

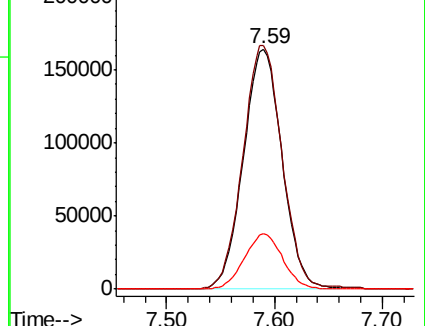
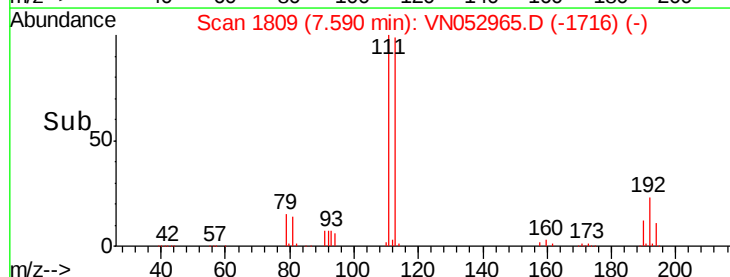
192 22.8 17.5 26.3

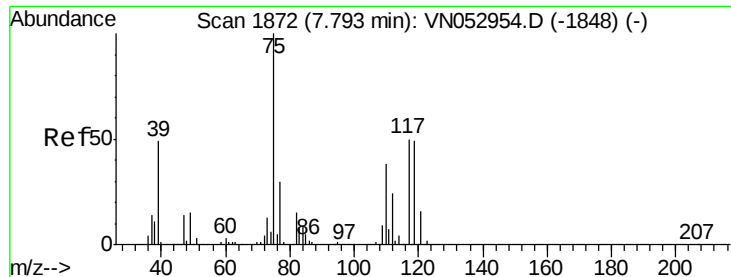


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.537 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

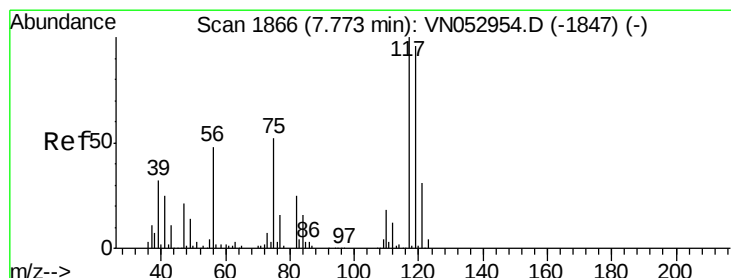
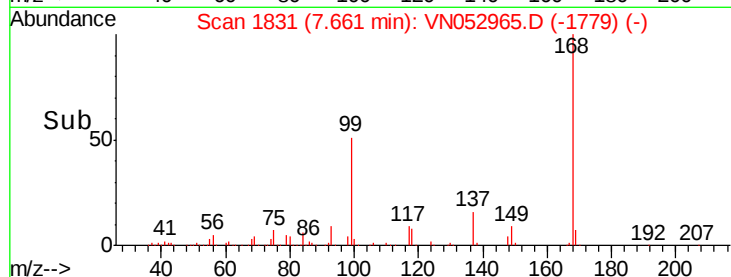
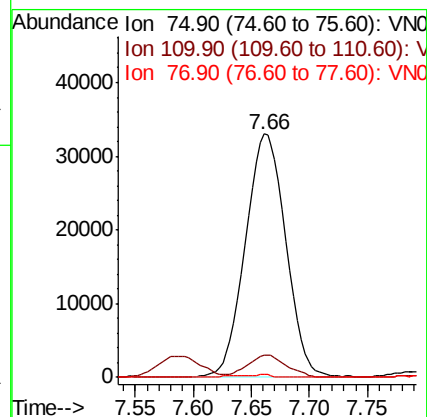
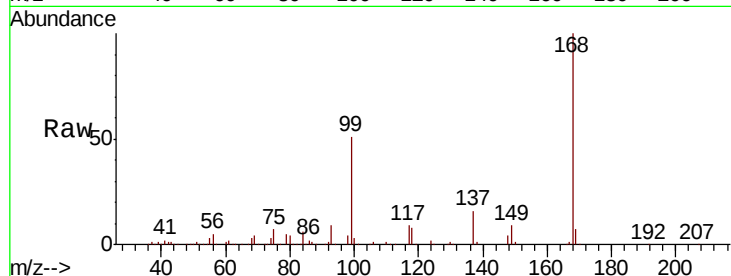
Tot Ion: 75 Resp: 80055

Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

77 0.5 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.459 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

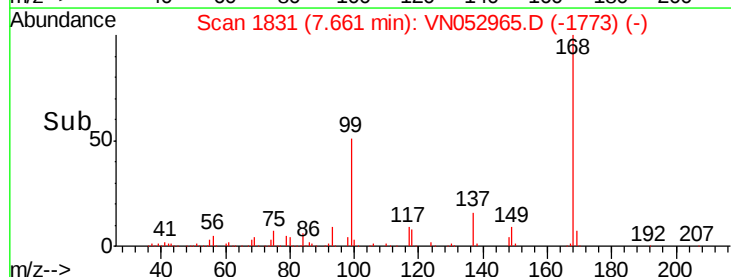
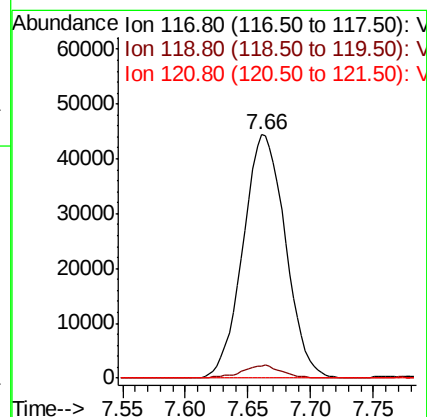
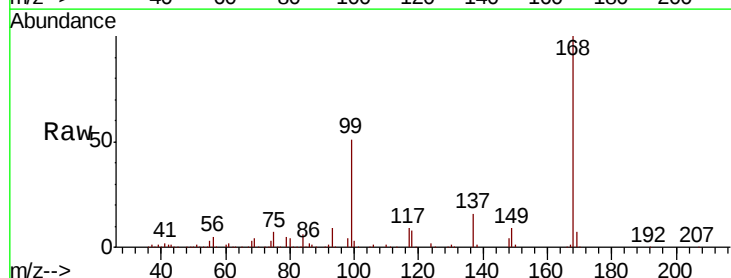
Tgt Ion: 117 Resp: 104453

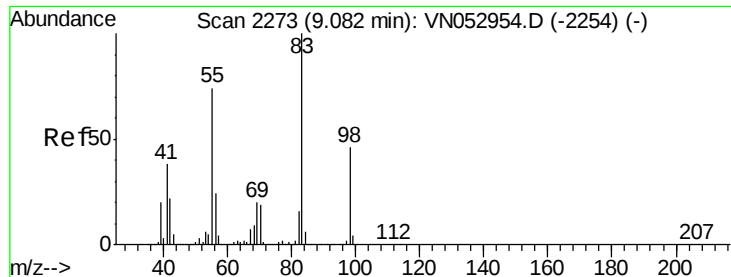
Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

121 0.0 24.9 37.3#

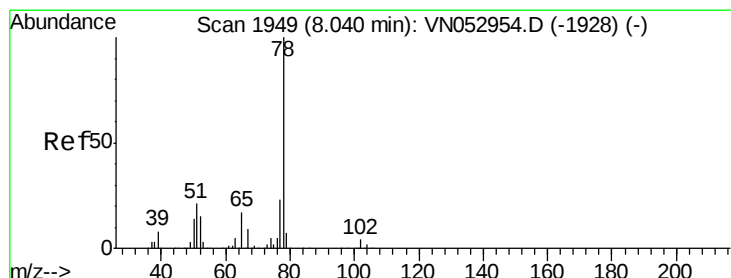
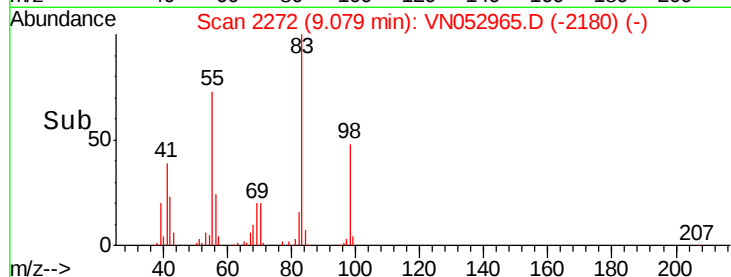
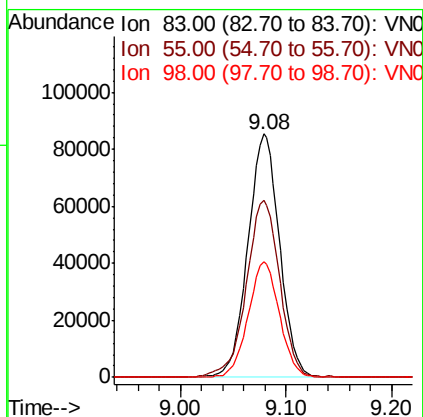
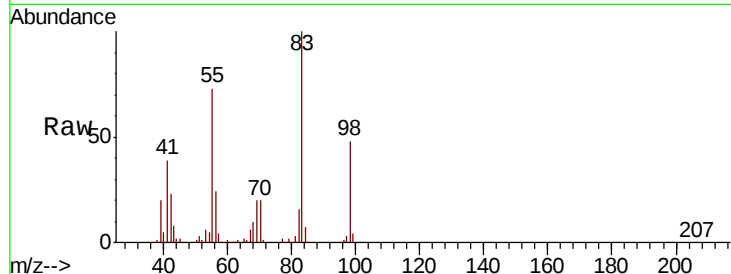




#39
Methvlcvclohexane
Concen: 8.324 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

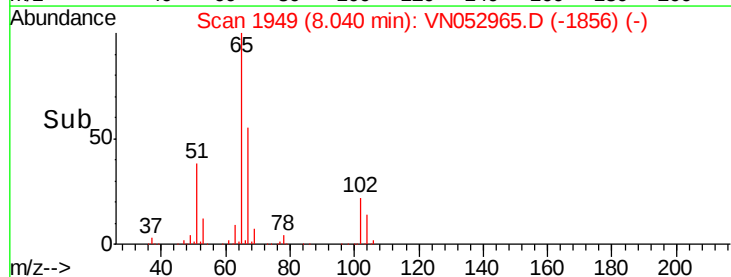
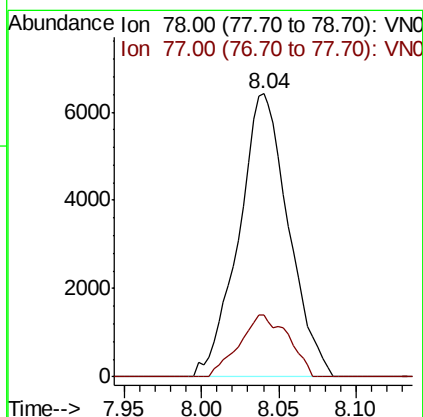
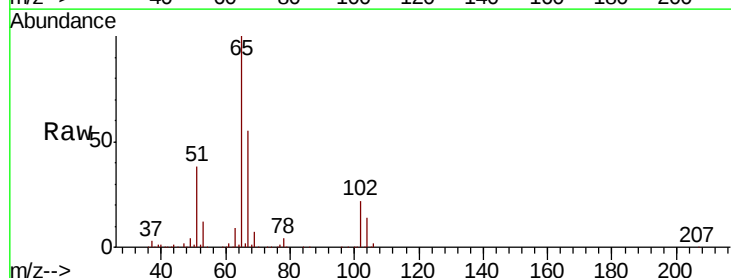
Instrument :
MSVOA_N
ClientSampleId :
P001-SD001-0006-01ME

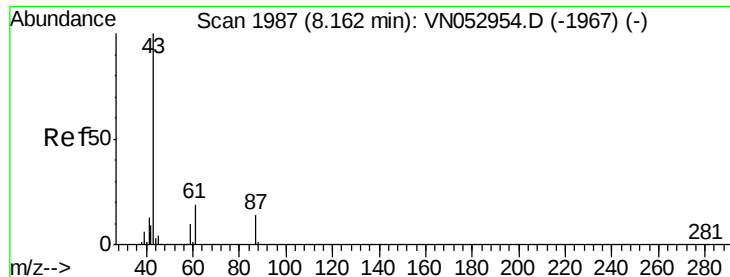
Tot Ion: 83 Resp: 178410
Ion Ratio Lower Upper
83 100
55 72.6 61.3 91.9
98 47.7 37.0 55.4



#40
Benzene
Concen: 0.273 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

Tgt Ion: 78 Resp: 14343
Ion Ratio Lower Upper
78 100
77 22.0 18.5 27.7





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.15 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

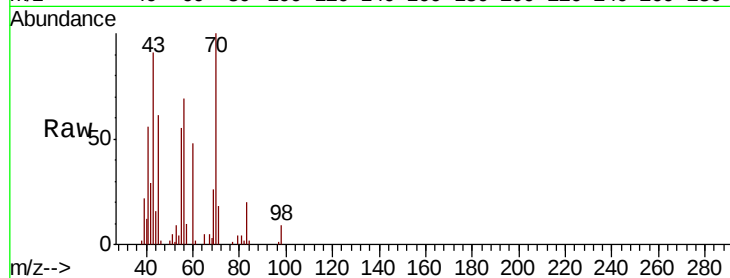
Tot Ion: 43 Resp: 15743

Ion Ratio Lower Upper

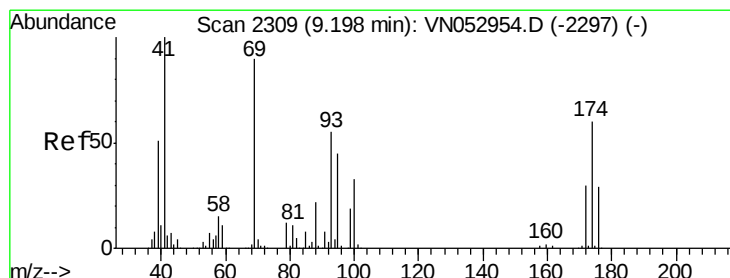
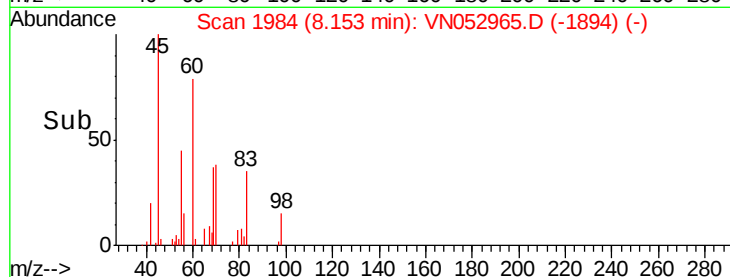
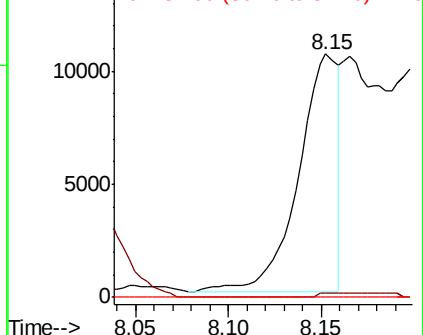
43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



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



#48

Methyl methacrylate

Concen: 7.589 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.12 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

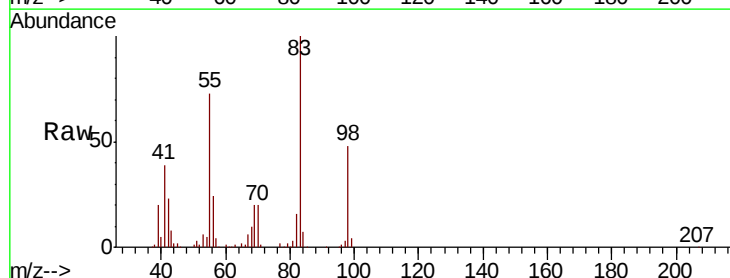
Tgt Ion: 41 Resp: 72534

Ion Ratio Lower Upper

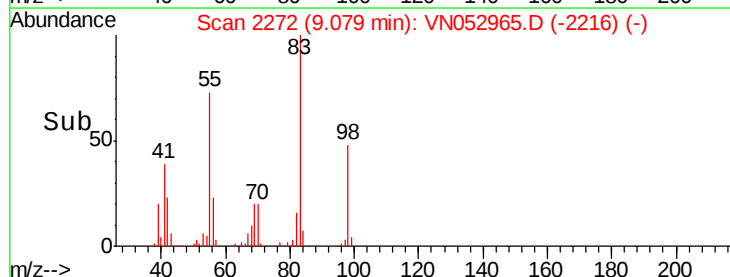
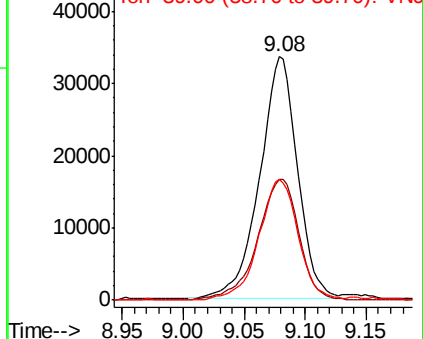
41 100

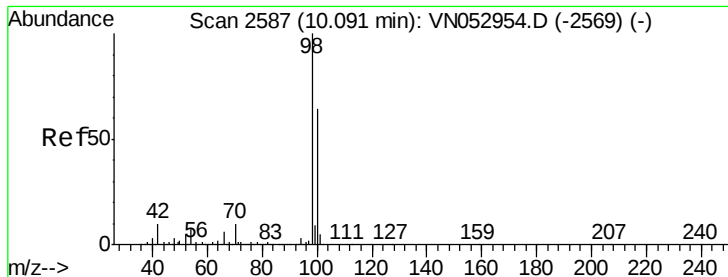
69 54.4 72.2 108.2#

39 52.0 41.9 62.9



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

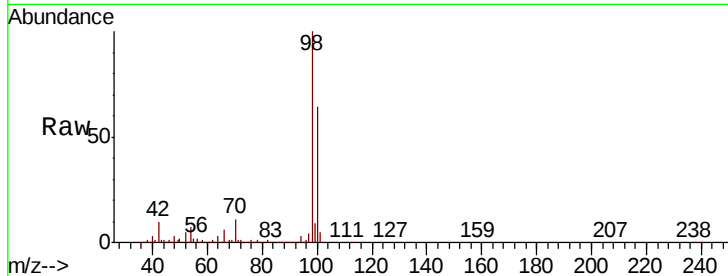
P001-SD001-0006-01ME

Tot Ion: 98 Resp: 2243369

Ion Ratio Lower Upper

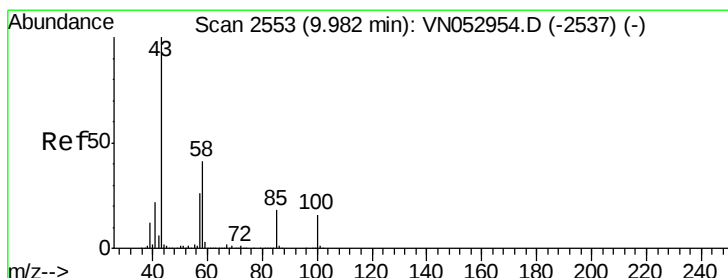
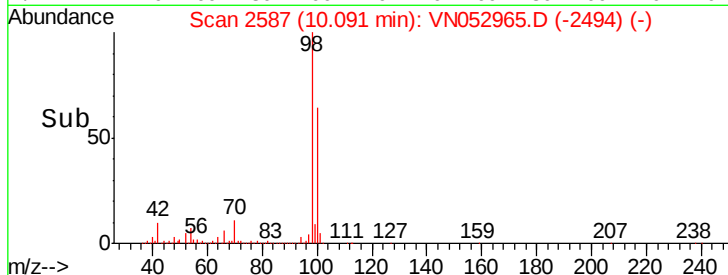
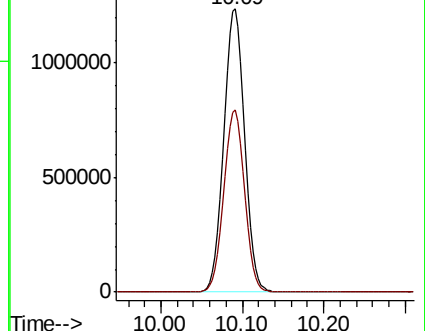
98 100

100 64.4 51.6 77.4



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

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



#51

4-Methyl-2-Pentanone

Concen: 1.293 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN052965.D

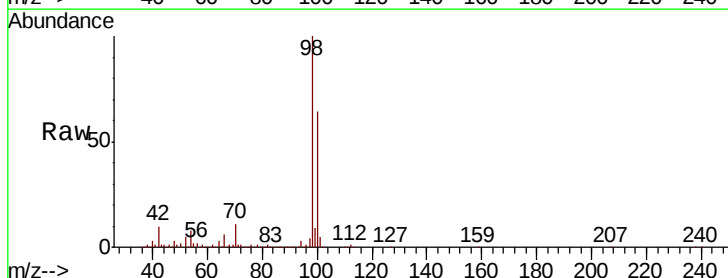
Acq: 18 Dec 2018 17:04

Tgt Ion: 43 Resp: 12331

Ion Ratio Lower Upper

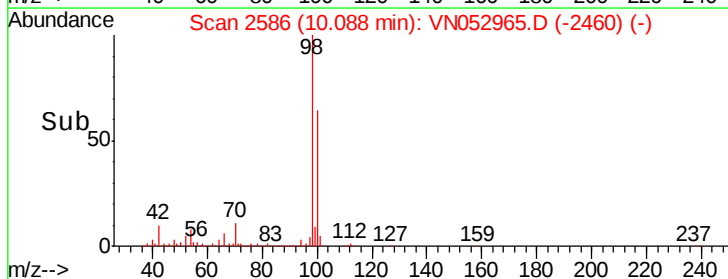
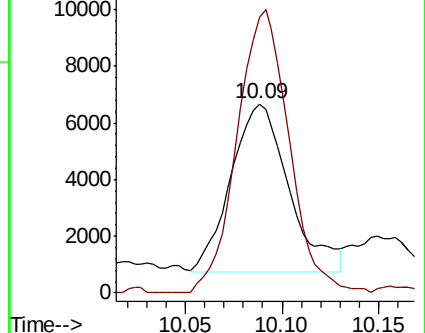
43 100

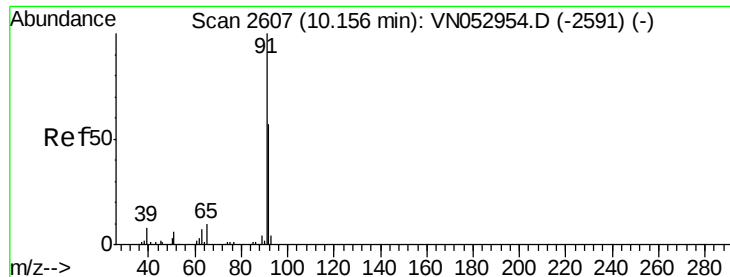
58 151.3 32.2 48.4#



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

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





#52

Toluene

Concen: 0.449 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

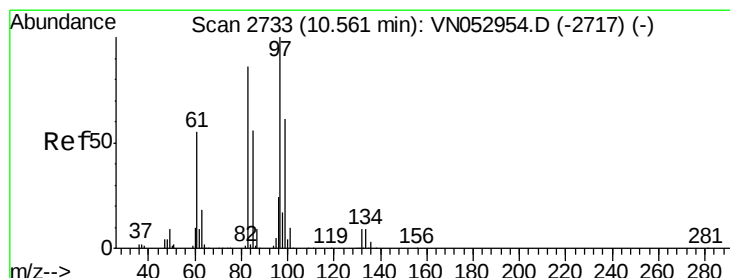
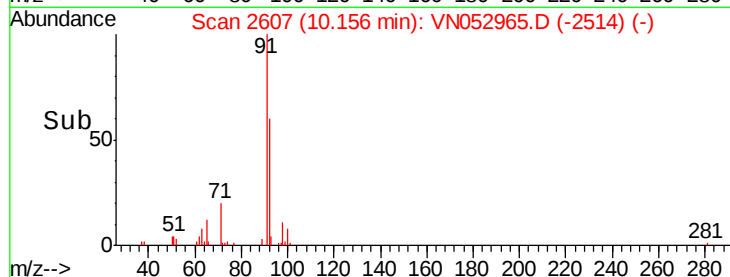
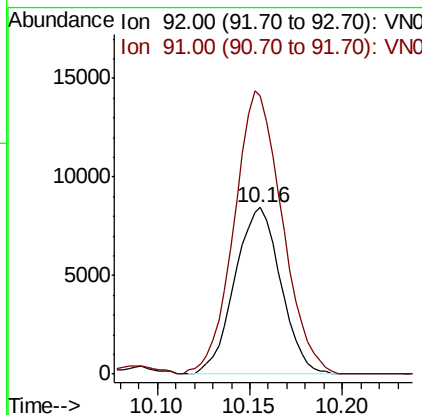
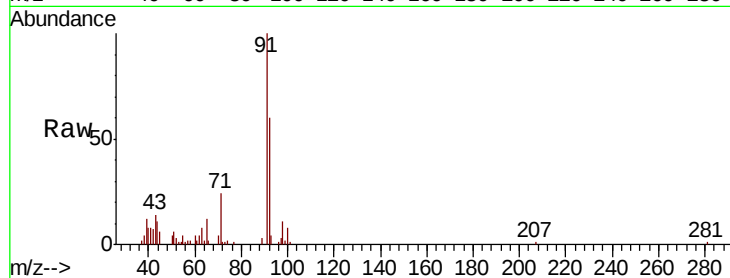
P001-SD001-0006-01ME

Tot Ion: 92 Resp: 14610

Ion Ratio Lower Upper

92 100

91 177.6 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 1.510 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Tgt Ion: 97 Resp: 17137

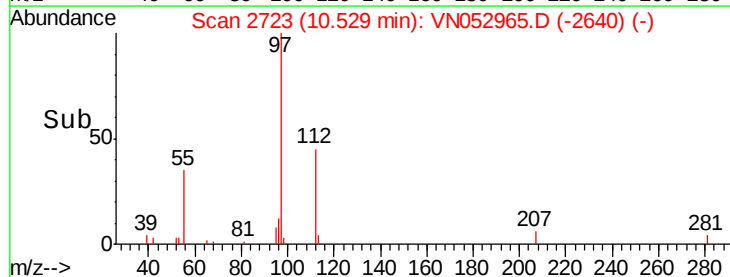
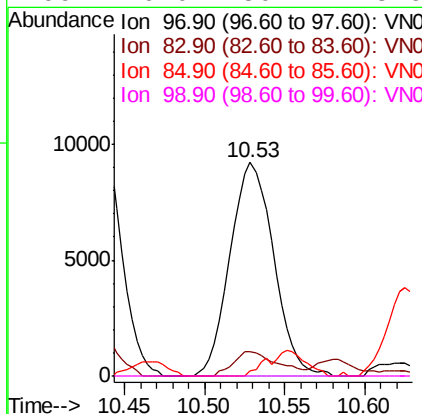
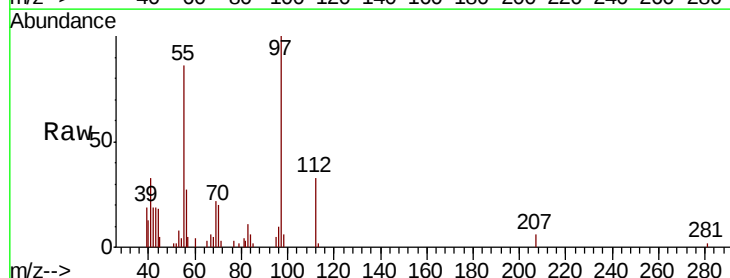
Ion Ratio Lower Upper

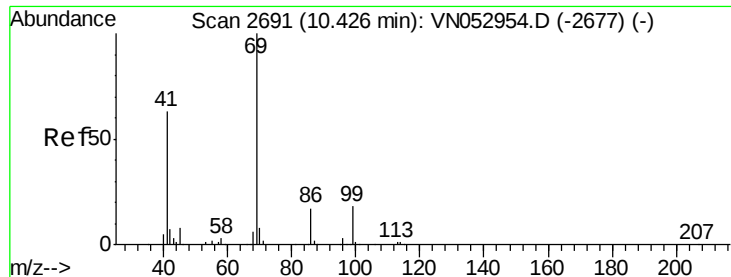
97 100

83 11.5 70.9 106.3#

85 2.3 45.4 68.2#

99 0.0 50.4 75.6#





#56

Ethyl methacrylate

Concen: 0.466 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

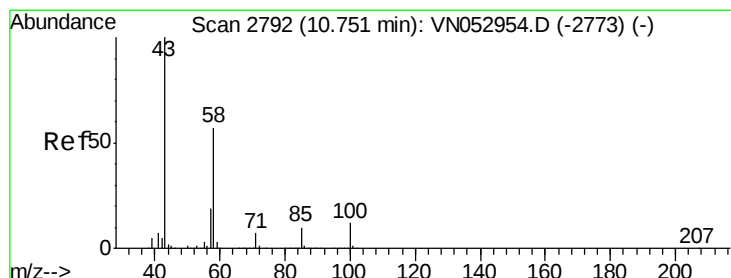
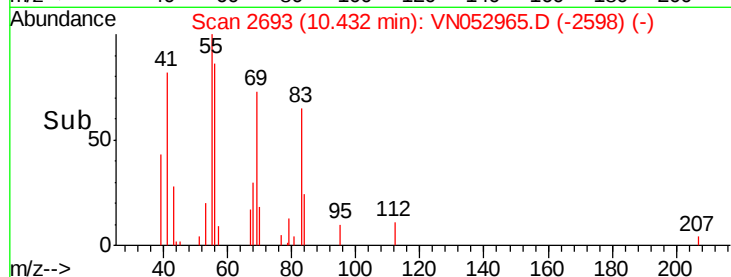
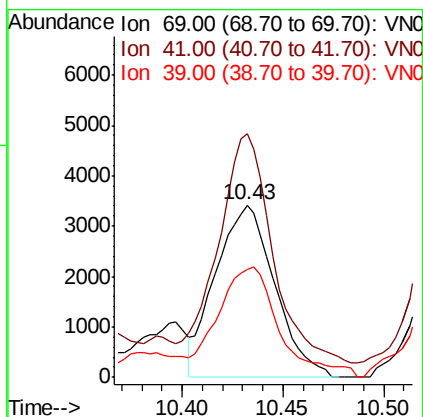
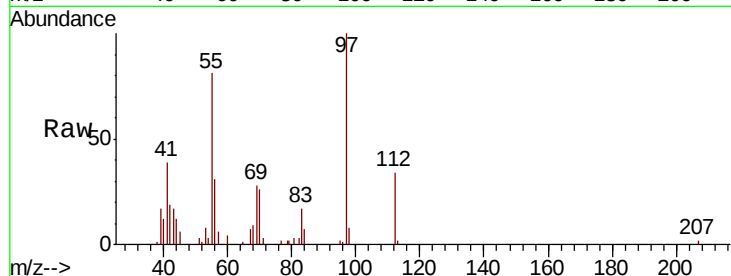
Tot Ion: 69 Resp: 6998

Ion Ratio Lower Upper

69 100

41 122.1 51.7 77.5#

39 66.4 24.6 37.0#



#59

2-Hexanone

Concen: 2.968 ug/l

RT: 10.72 min Scan# 2781

Delta R.T. -0.04 min

Lab File: VN052965.D

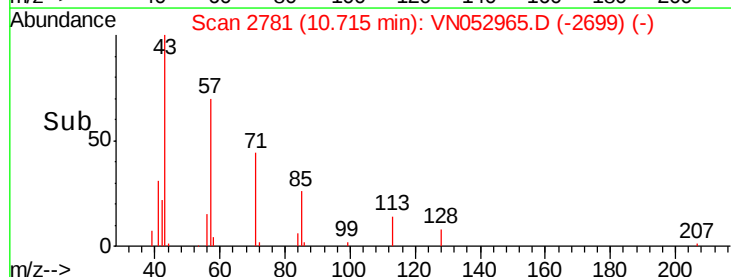
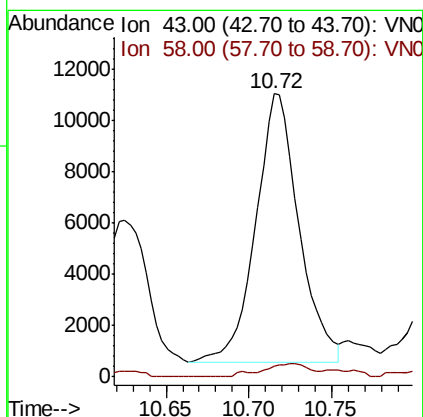
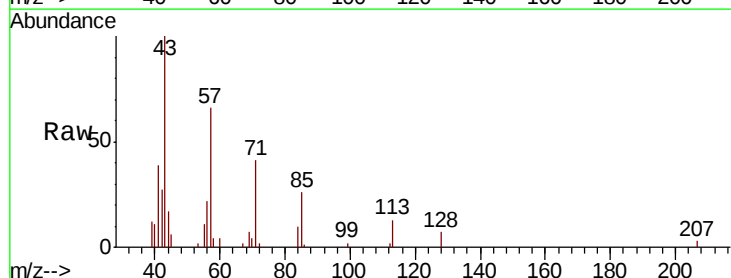
Acq: 18 Dec 2018 17:04

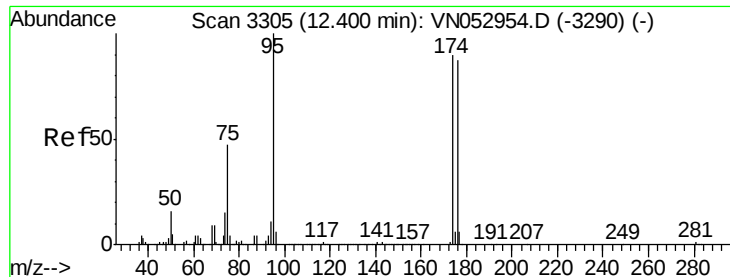
Tgt Ion: 43 Resp: 19154

Ion Ratio Lower Upper

43 100

58 4.5 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

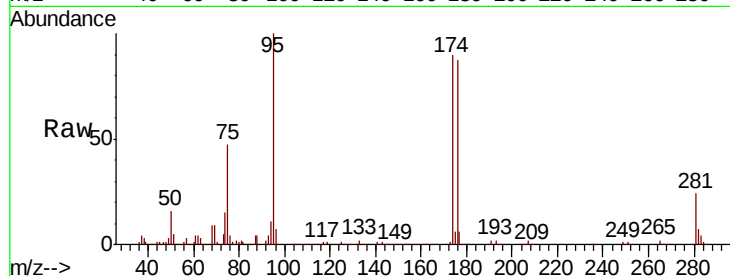
Tot Ion: 95 Resp: 732540

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.8

176 87.2 0.0 173.8

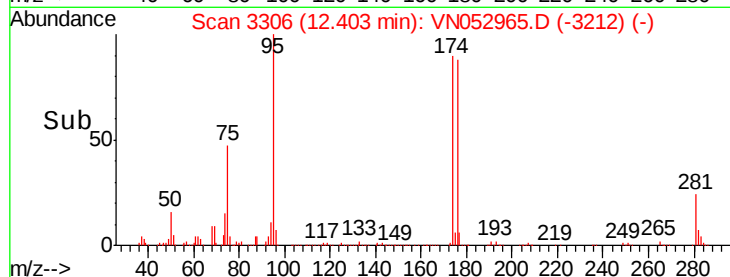


Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

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

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

Time-->

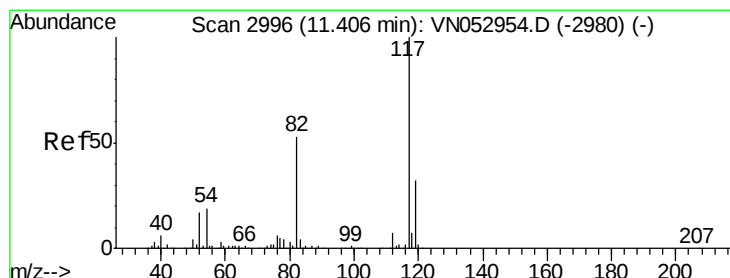


Abundance Ion 94.90 (94.60 to 95.60): VN052965.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052965.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052965.D (-3212) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

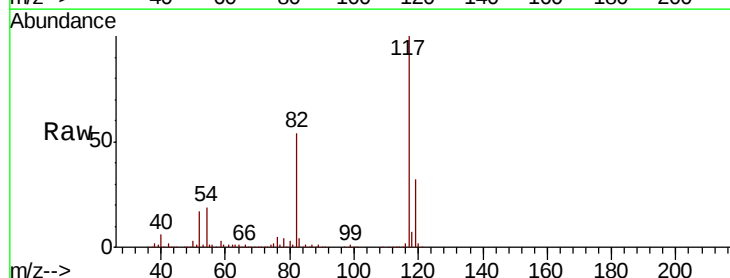
Tgt Ion: 117 Resp: 1638004

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 31.9 25.5 38.3

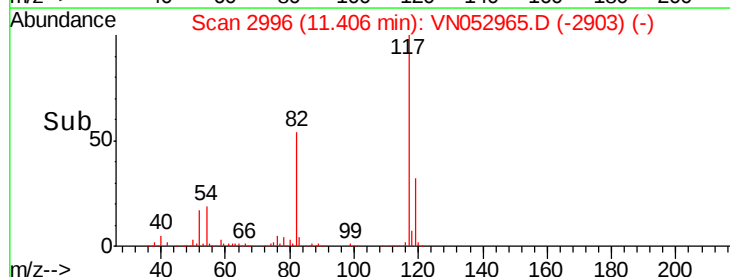


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

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

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

Time-->

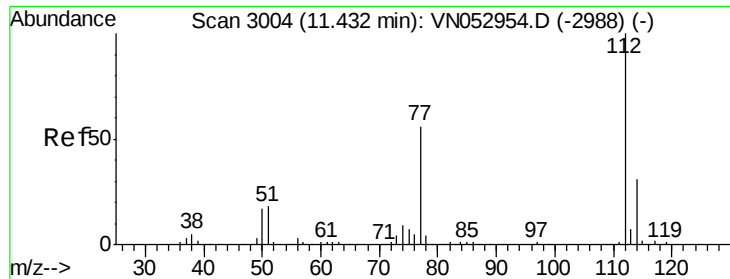


Abundance Ion 116.90 (116.60 to 117.60): VN052965.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052965.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052965.D (-2903) (-)

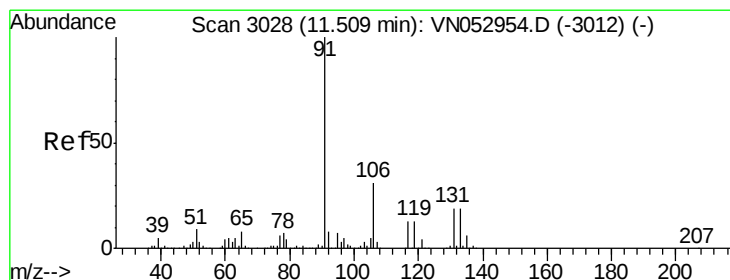
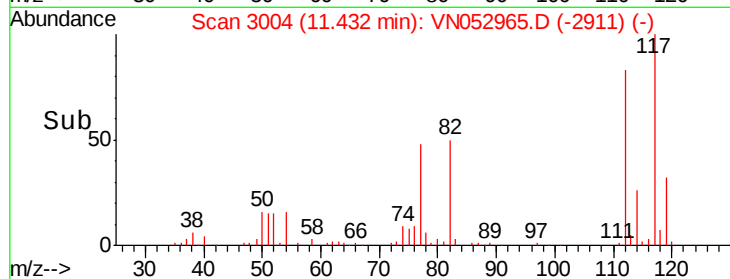
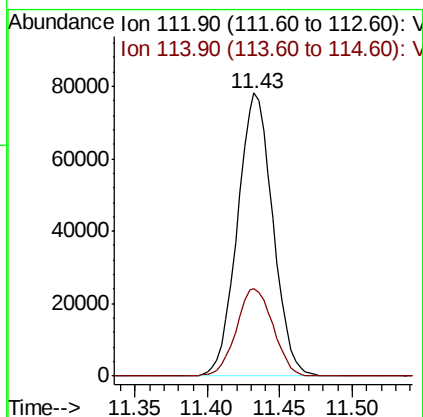
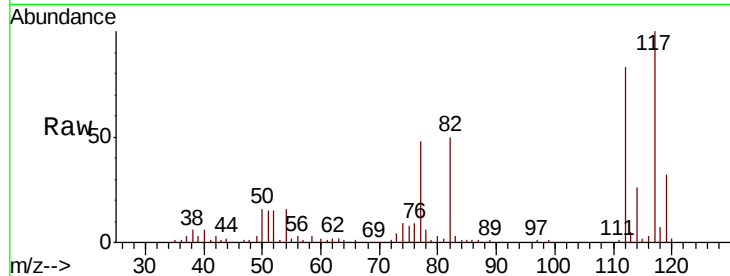
Time-->



#65
Chlorobenzene
Concen: 3.639 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

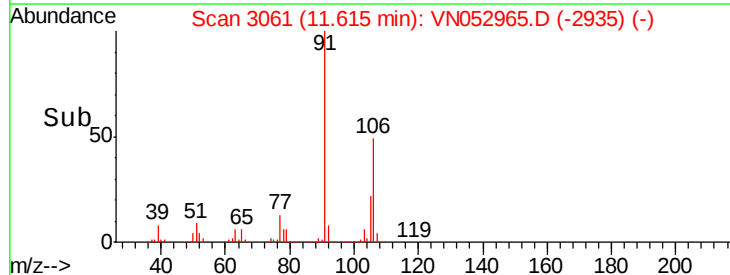
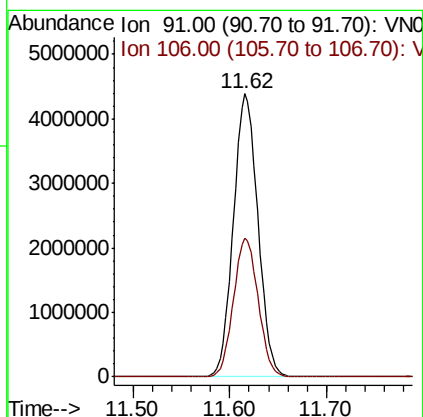
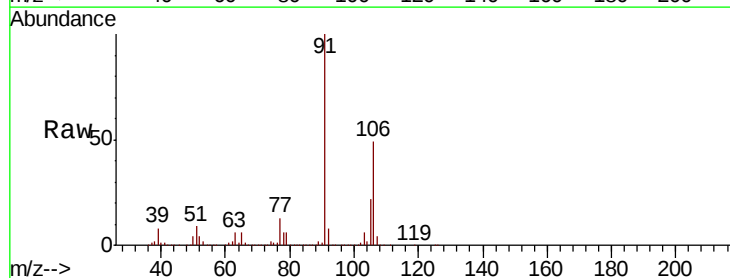
Instrument :
MSVOA_N
ClientSampleId :
P001-SD001-0006-01ME

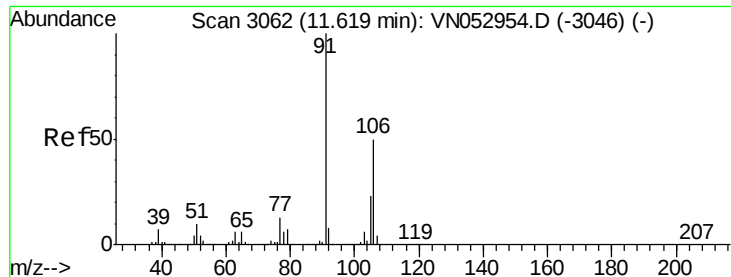
Tot Ion:112 Resp: 132131
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3



#67
Ethyl Benzene
Concen: 123.472 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.11 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

Tgt Ion: 91 Resp: 7710060
Ion Ratio Lower Upper
91 100
106 49.2 24.9 37.3#

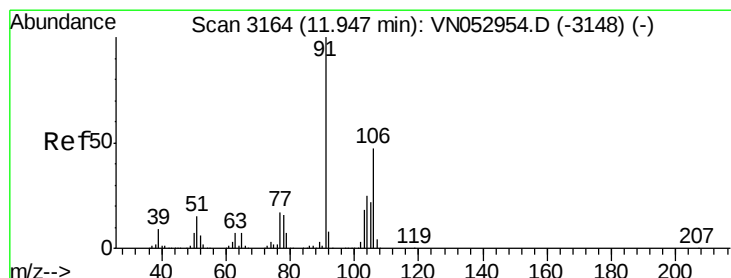
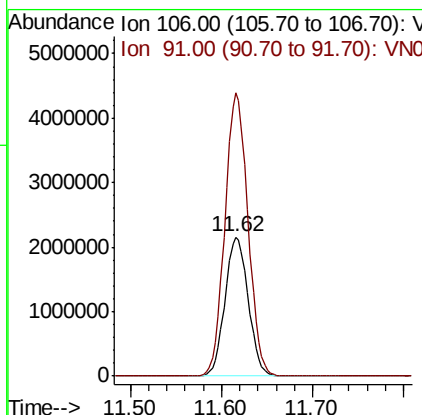
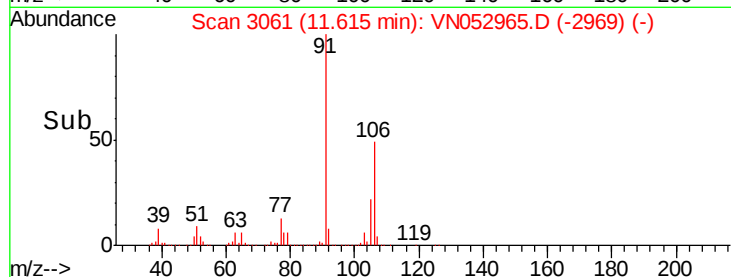
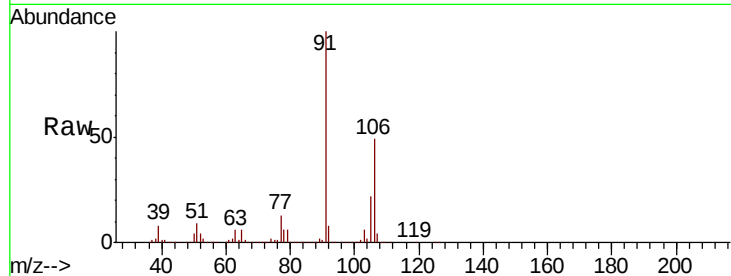




#68
m/p-Xylenes
Concen: 160.403 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

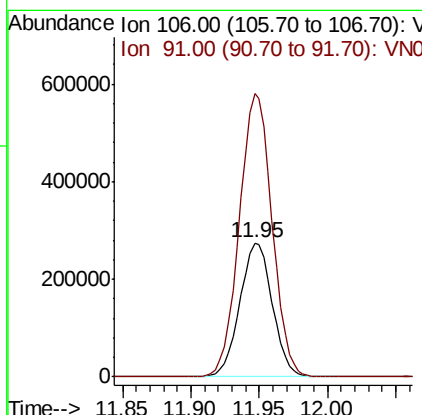
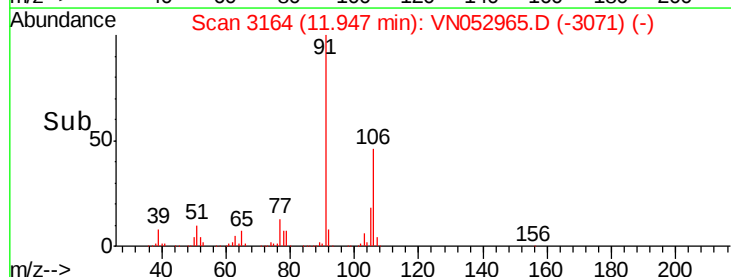
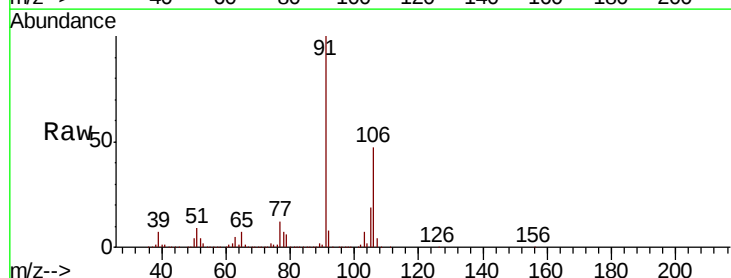
Instrument :
MSVOA_N
ClientSampleId :
P001-SD001-0006-01ME

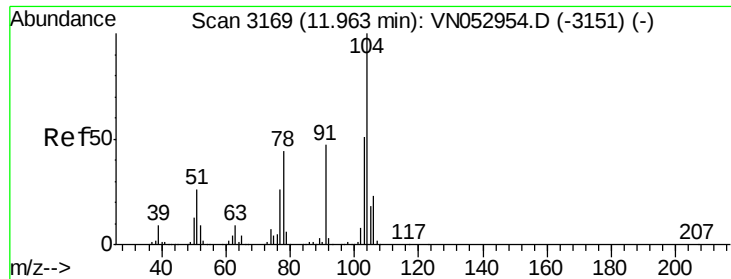
Tot Ion:106 Resp: 3807705
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.4



#69
o-Xylene
Concen: 19.879 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

Tgt Ion:106 Resp: 452821
Ion Ratio Lower Upper
106 100
91 212.8 106.6 319.8

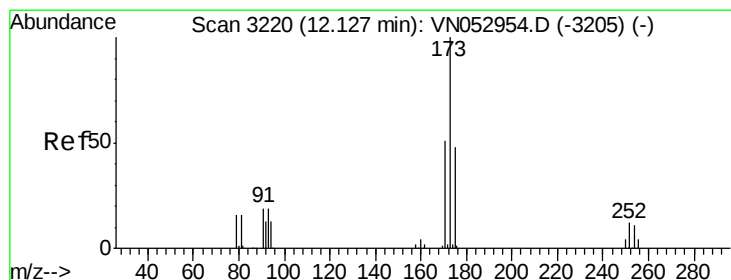
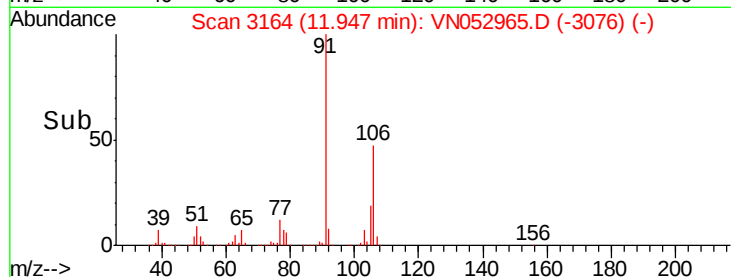
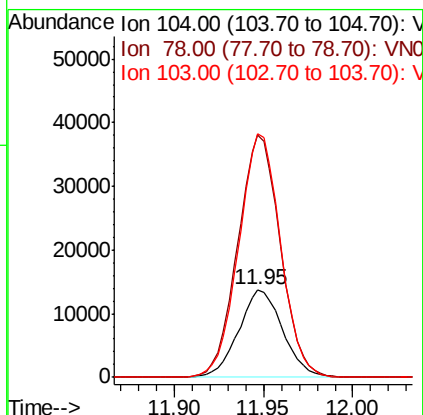
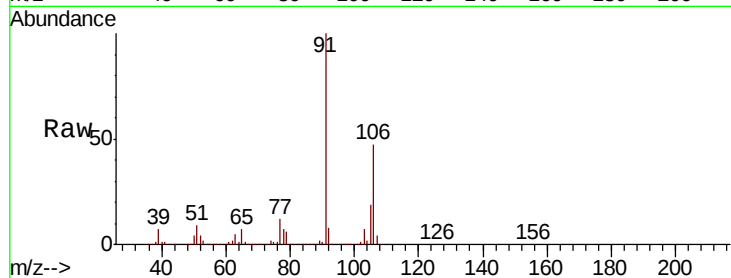




#70
Stvrene
Concen: 0.637 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

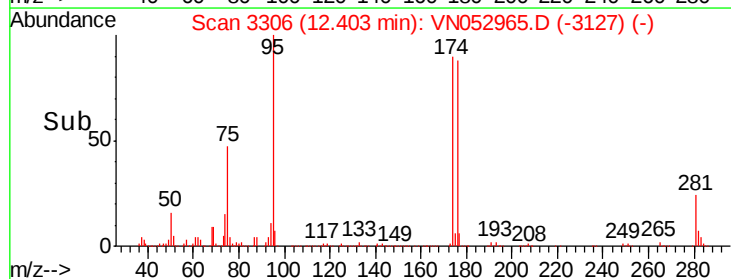
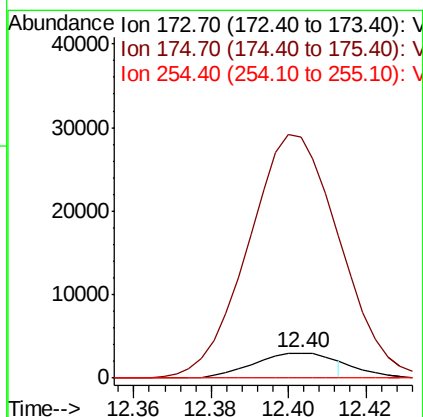
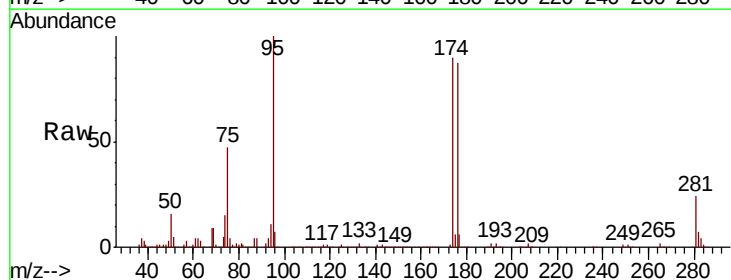
Instrument :
MSVOA_N
ClientSampleId :
P001-SD001-0006-01ME

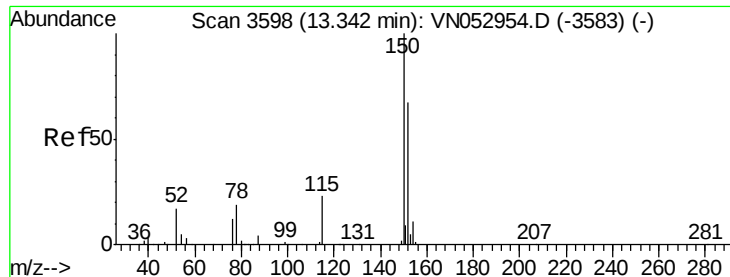
Tot Ion:104 Resp: 23664
Ion Ratio Lower Upper
104 100
78 266.3 38.9 58.3#
103 263.3 44.3 66.5#



#71
Bromoform
Concen: 0.461 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

Tgt Ion:173 Resp: 4201
Ion Ratio Lower Upper
173 100
175 1004.4 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

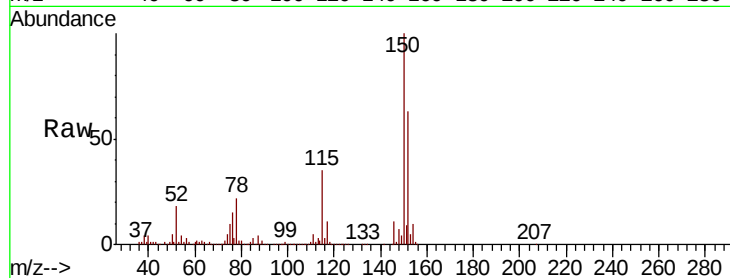
Tot Ion:152 Resp: 690399

Ion Ratio Lower Upper

152 100

115 56.9 28.3 85.0

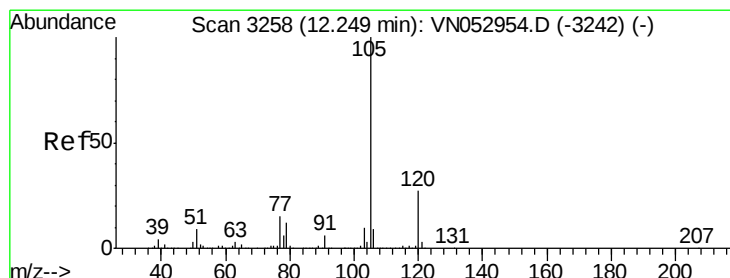
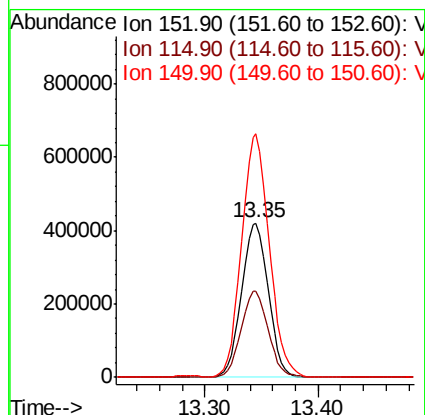
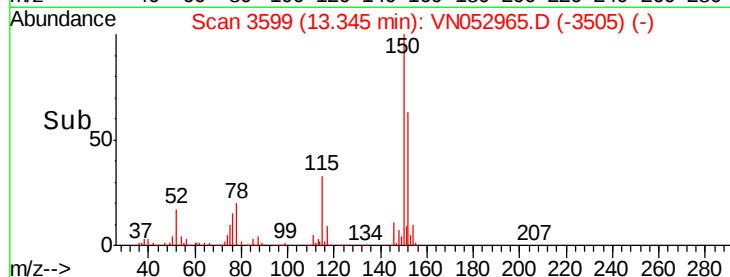
150 163.6 0.0 347.8



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: 0.836 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052965.D

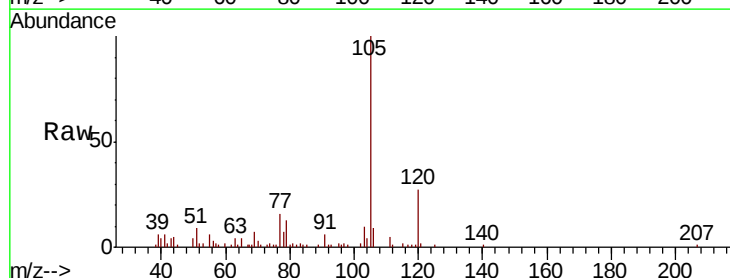
Acq: 18 Dec 2018 17:04

Tgt Ion:105 Resp: 45177

Ion Ratio Lower Upper

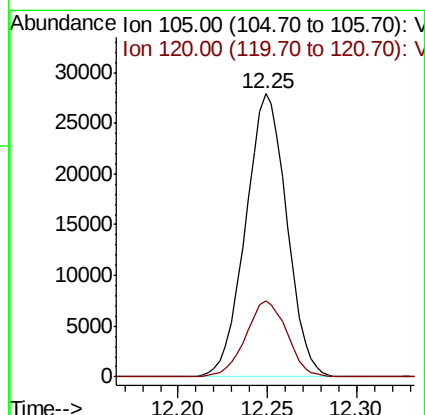
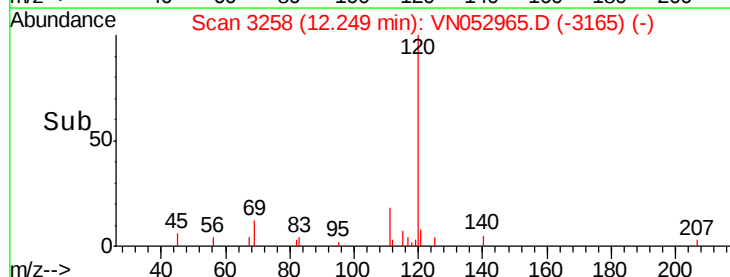
105 100

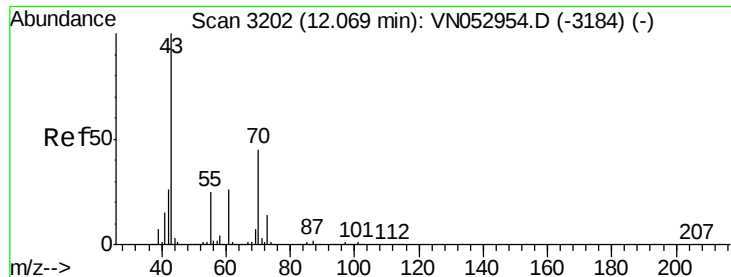
120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 0.489 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

Tot Ion: 43 Resp: 7333

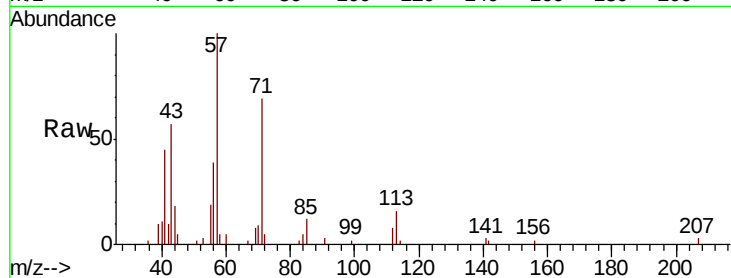
Ion Ratio Lower Upper

43 100

70 14.2 34.2 51.4#

55 15.1 20.3 30.5#

61 0.0 20.0 30.0#

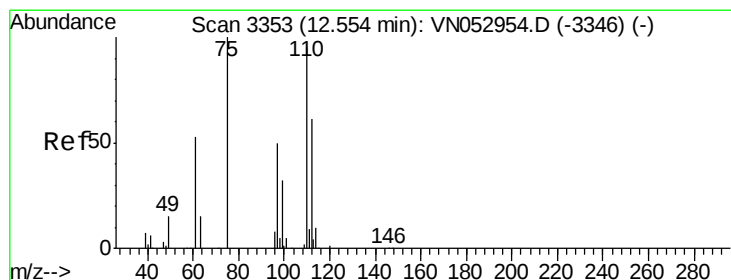
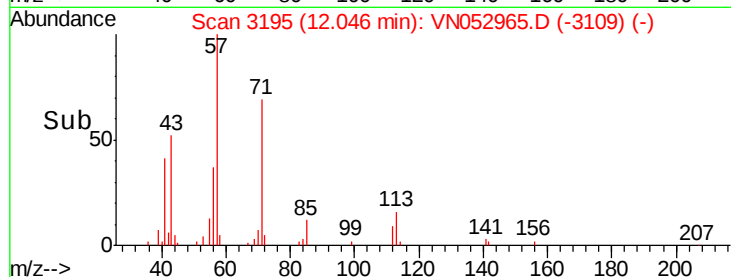
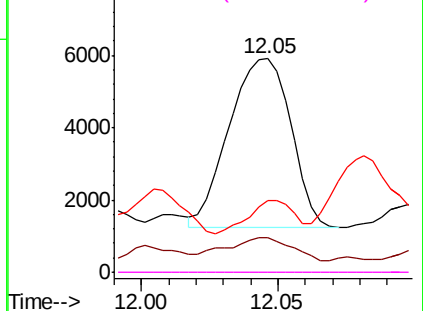


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.580 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052965.D

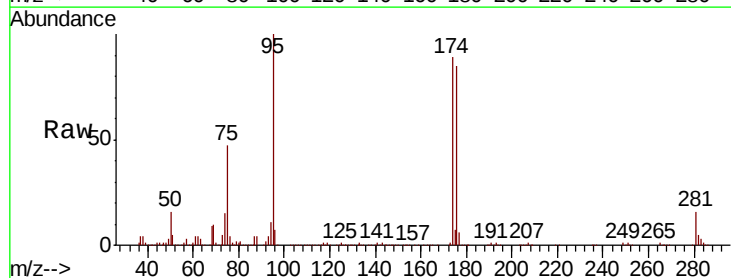
Acq: 18 Dec 2018 17:04

Tgt Ion: 75 Resp: 343787

Ion Ratio Lower Upper

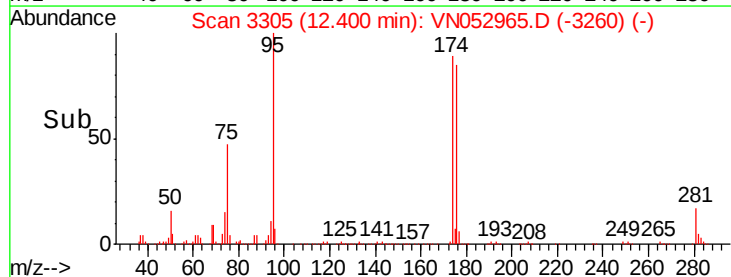
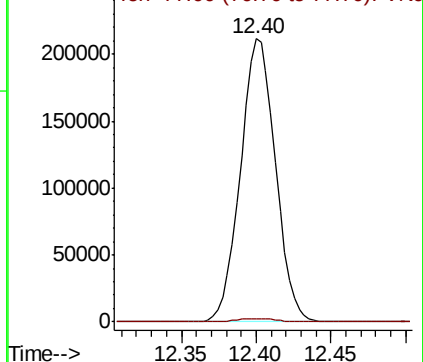
75 100

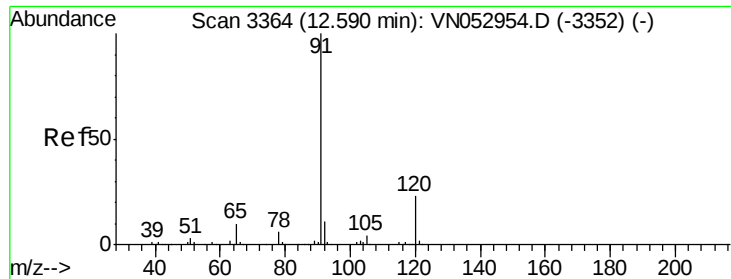
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

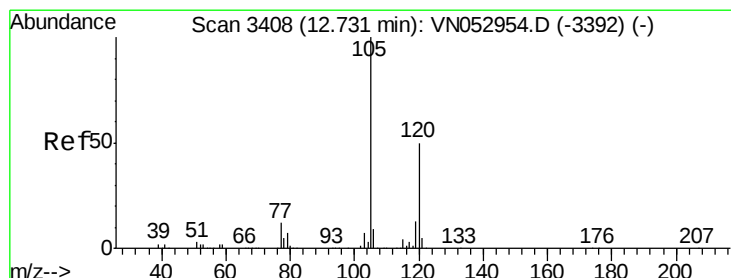
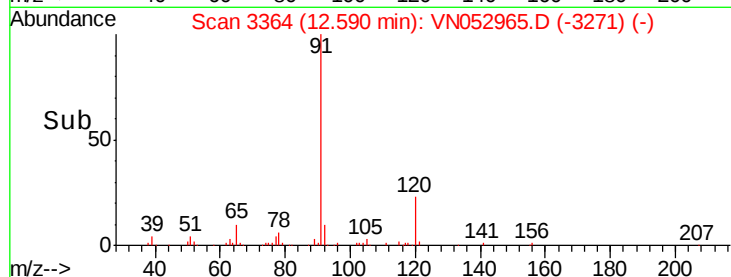
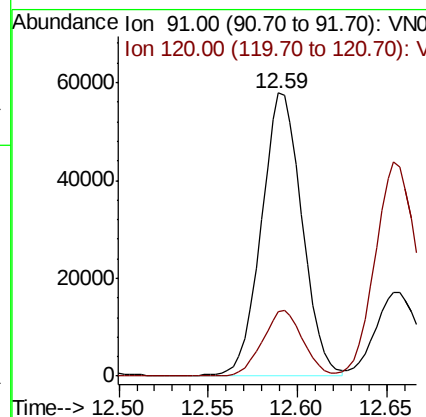
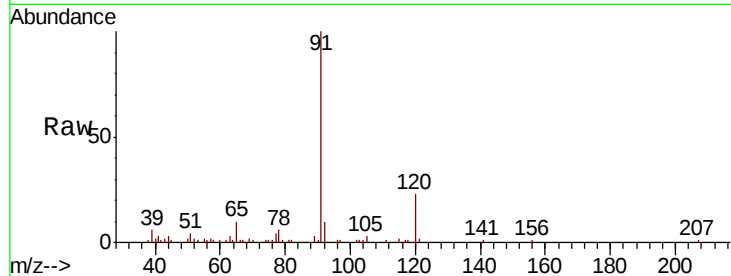




#78
n-propylbenzene
Concen: 1.502 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

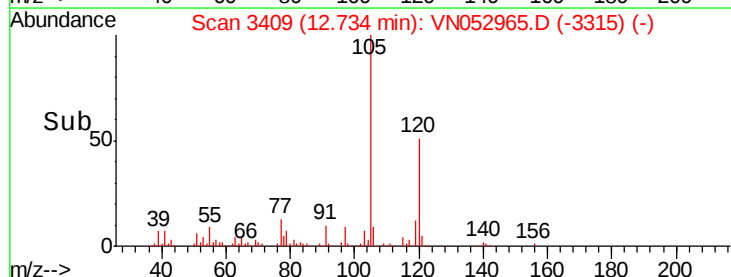
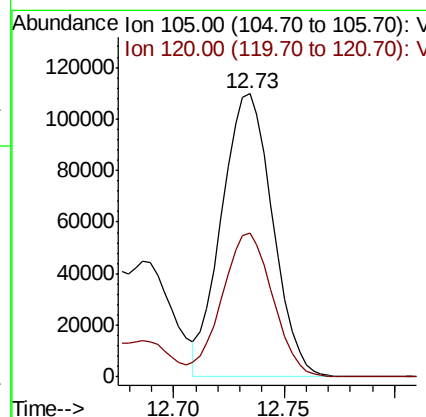
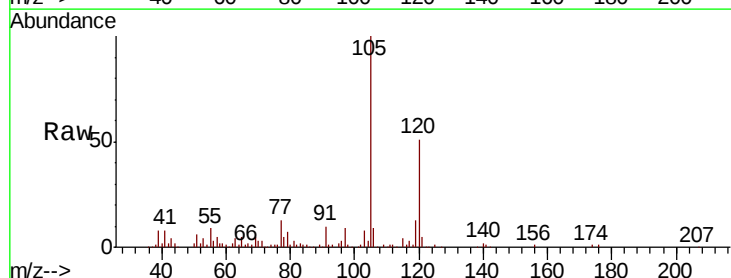
Instrument :
MSVOA_N
ClientSampleId :
P001-SD001-0006-01ME

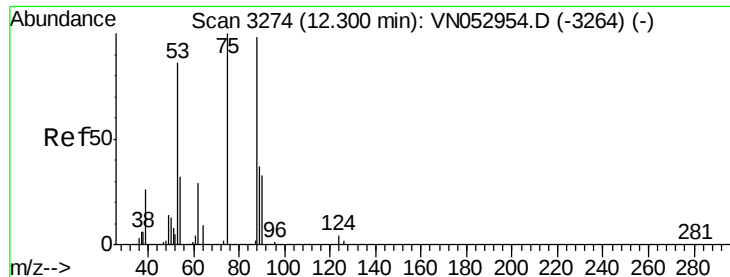
Tot Ion: 91 Resp: 92397
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 4.001 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN052965.D
Acq: 18 Dec 2018 17:04

Tgt Ion: 105 Resp: 176152
Ion Ratio Lower Upper
105 100
120 50.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 95.341 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

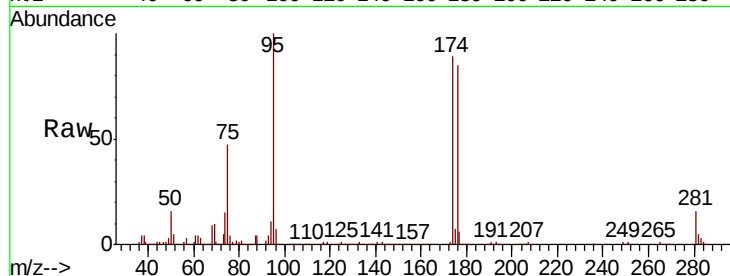
Tot Ion: 75 Resp: 343787

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

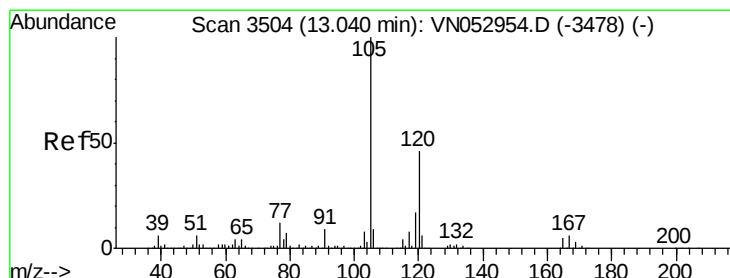
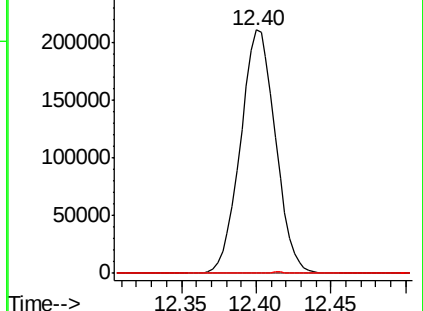
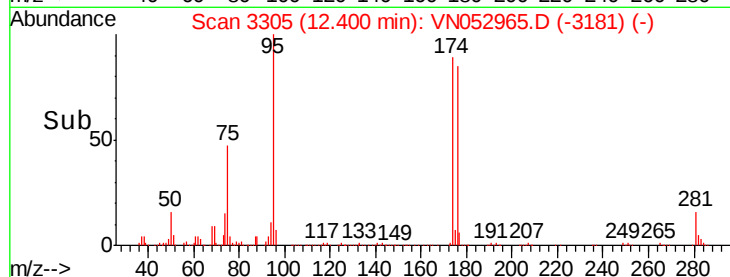
89 0.3 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052965.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052965.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052965.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 13.620 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052965.D

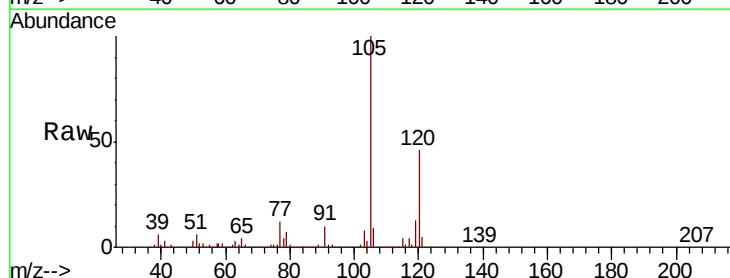
Acq: 18 Dec 2018 17:04

Tgt Ion: 105 Resp: 602829

Ion Ratio Lower Upper

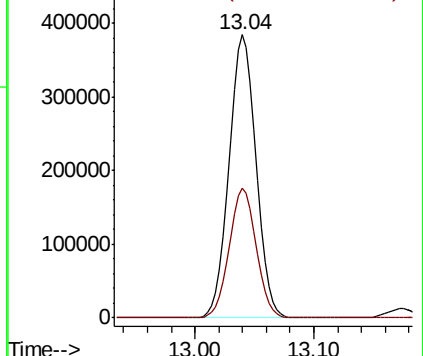
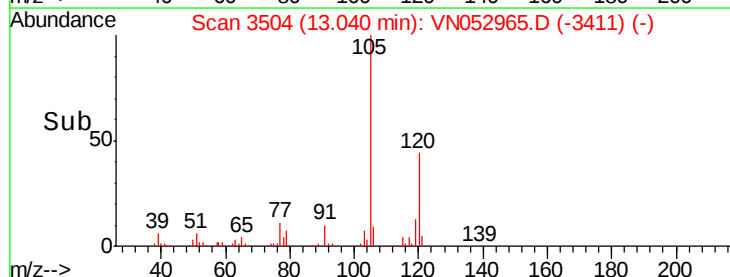
105 100

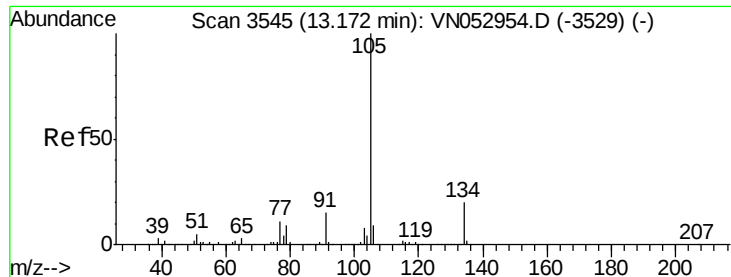
120 45.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN052965.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN052965.D (-3411) (-)

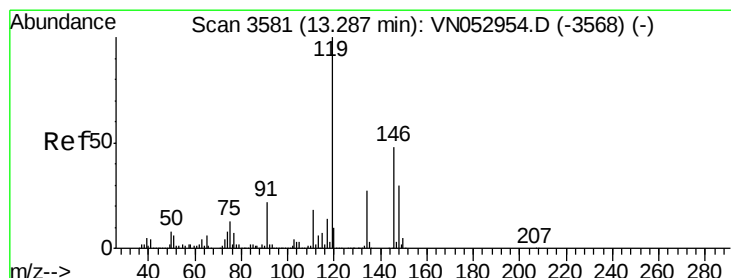
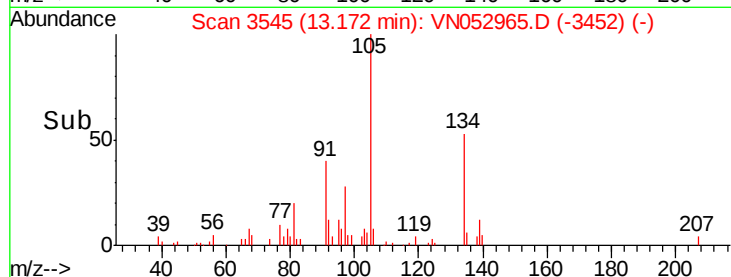
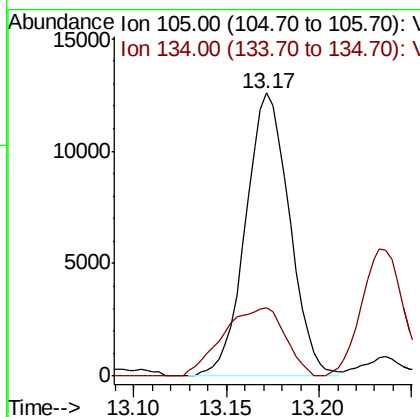
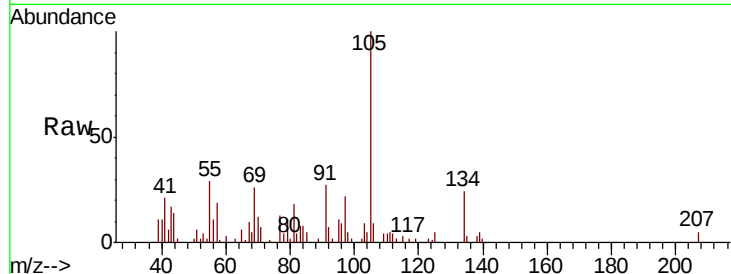




#85
 sec-Butylbenzene
 Concen: 0.393 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052965.D
 Acq: 18 Dec 2018 17:04

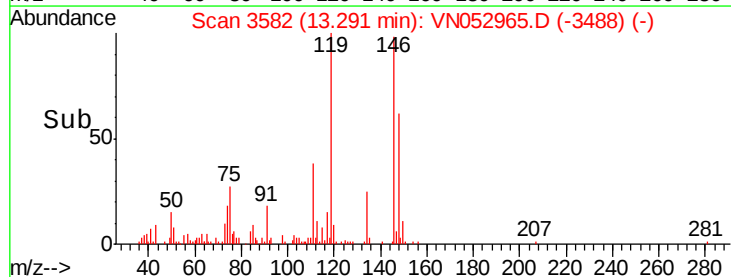
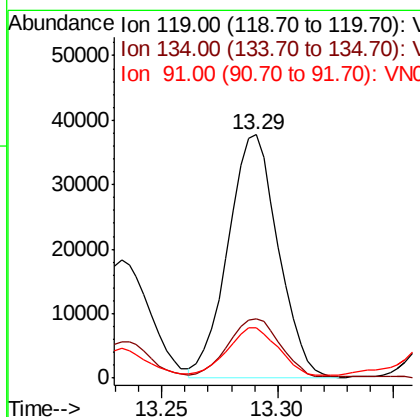
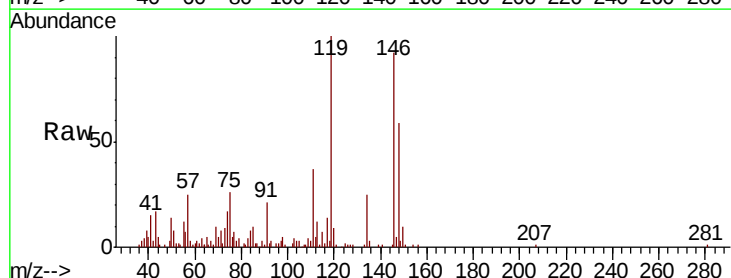
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD001-0006-01ME

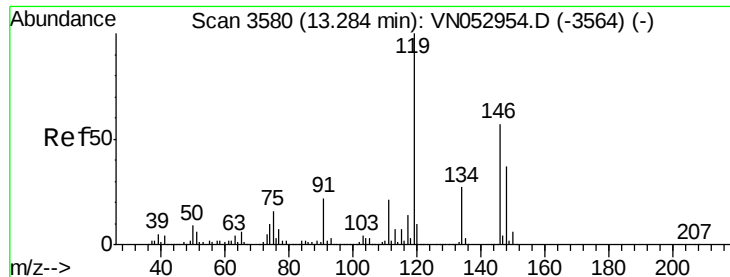
Tot Ion:105 Resp: 20680
 Ion Ratio Lower Upper
 105 100
 134 34.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 1.250 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052965.D
 Acq: 18 Dec 2018 17:04

Tgt Ion:119 Resp: 56869
 Ion Ratio Lower Upper
 119 100
 134 24.9 13.4 40.2
 91 20.4 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 2.892 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

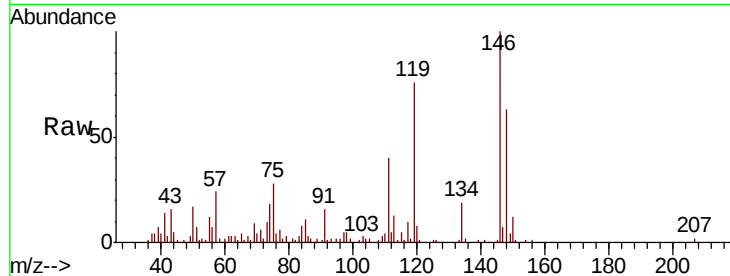
Tot Ion:146 Resp: 71866

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.1

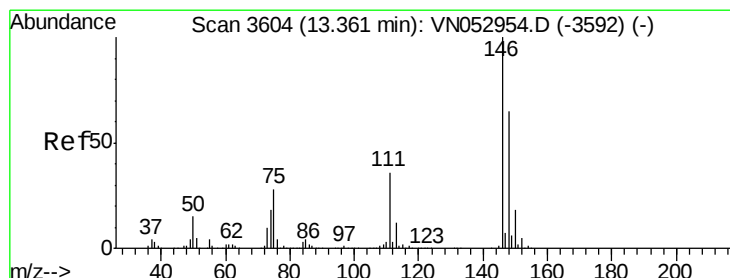
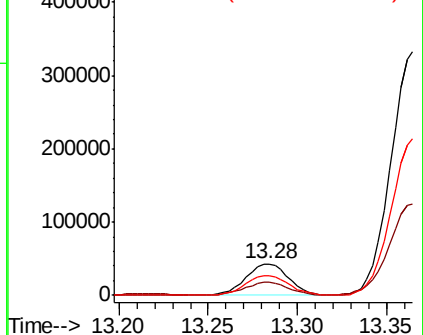
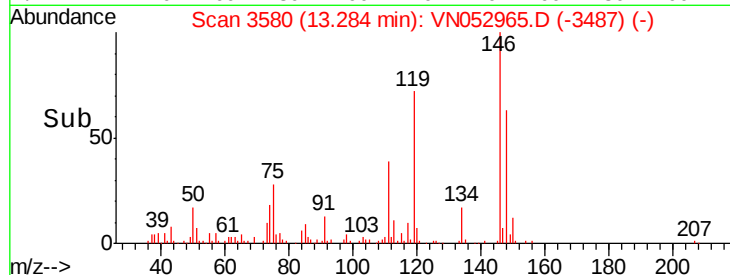
148 64.2 32.0 96.0



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: 21.531 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

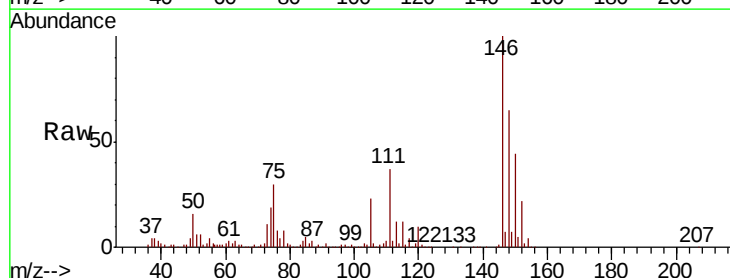
Tgt Ion:146 Resp: 541869

Ion Ratio Lower Upper

146 100

111 38.6 18.6 55.8

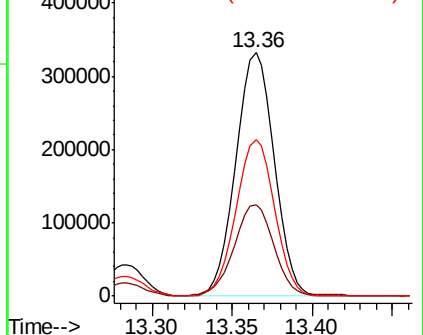
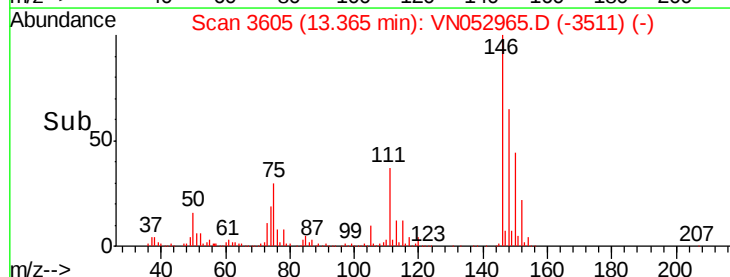
148 64.8 32.1 96.5

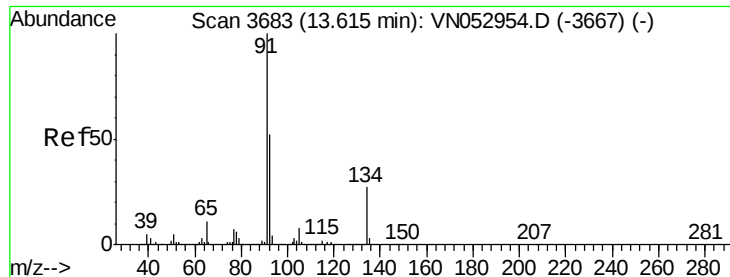


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.793 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

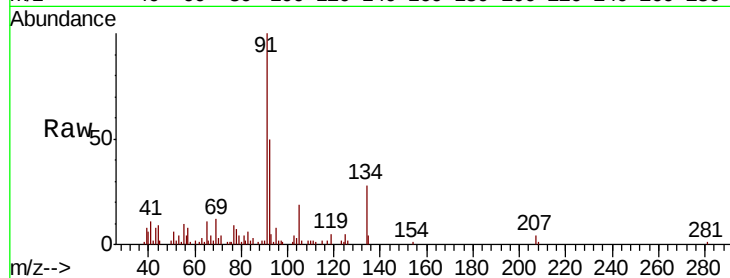
Tot Ion: 91 Resp: 31051

Ion Ratio Lower Upper

91 100

92 56.9 26.3 78.9

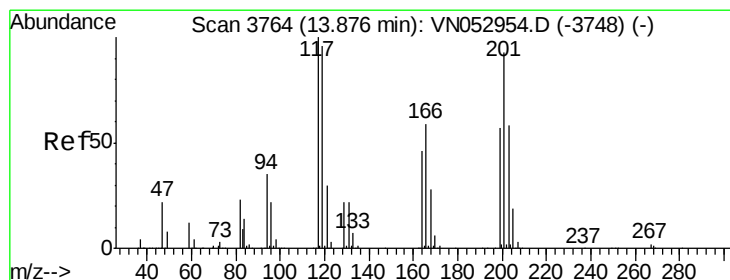
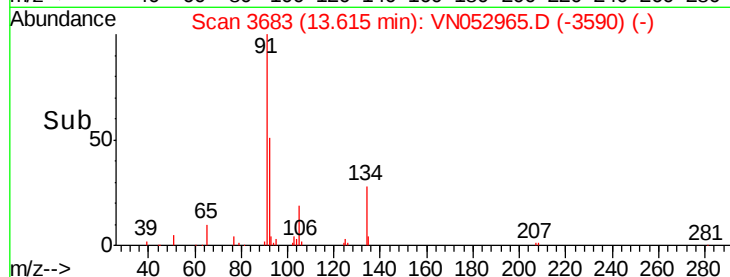
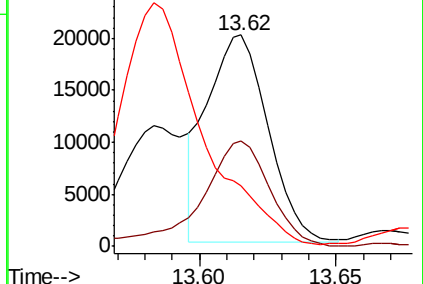
134 0.0 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 1.475 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052965.D

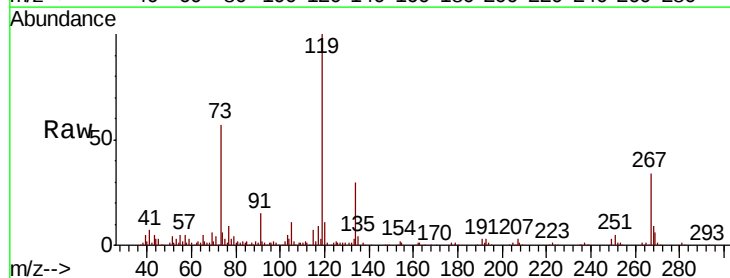
Acq: 18 Dec 2018 17:04

Tgt Ion: 117 Resp: 10298

Ion Ratio Lower Upper

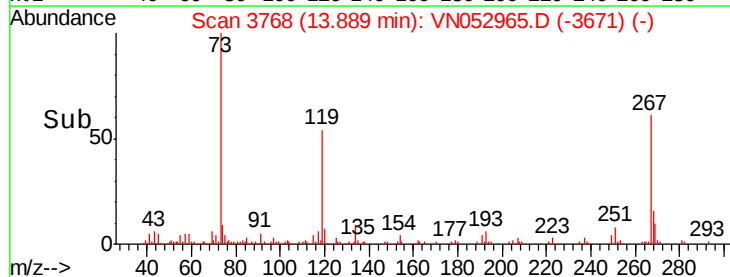
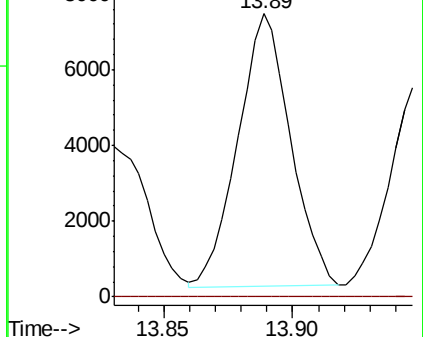
117 100

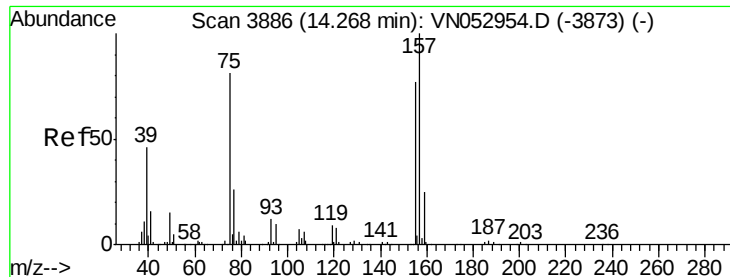
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0

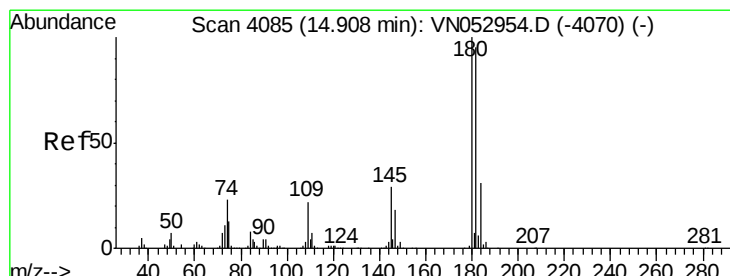
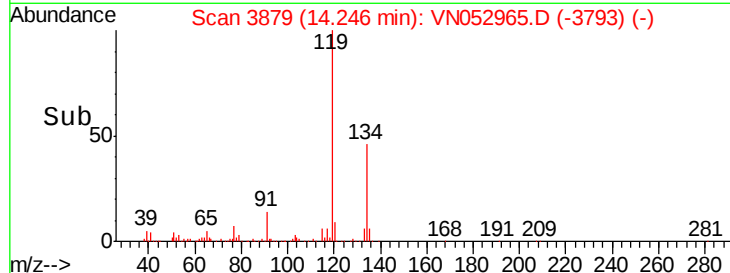
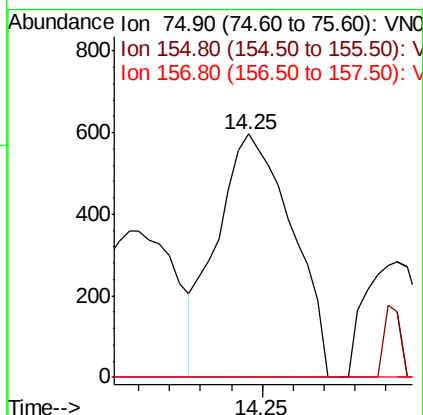
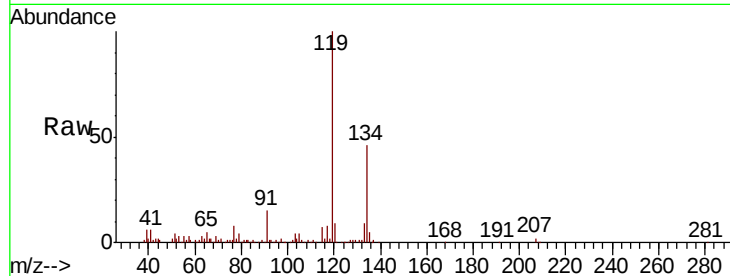




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.549 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.02 min
 Lab File: VN052965.D
 Acq: 18 Dec 2018 17:04

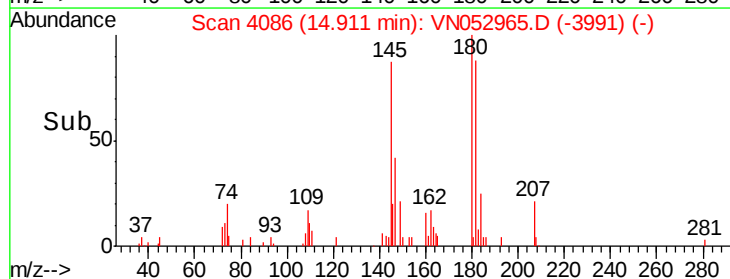
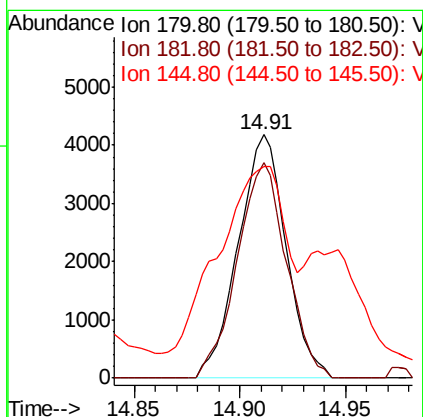
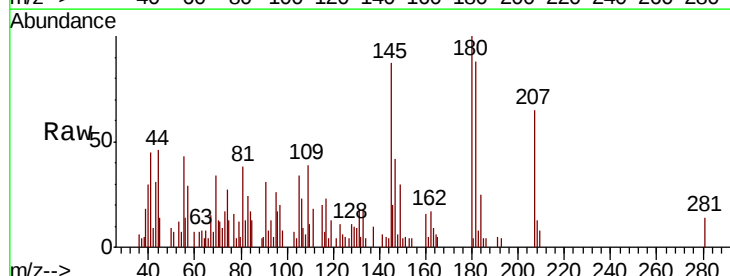
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD001-0006-01ME

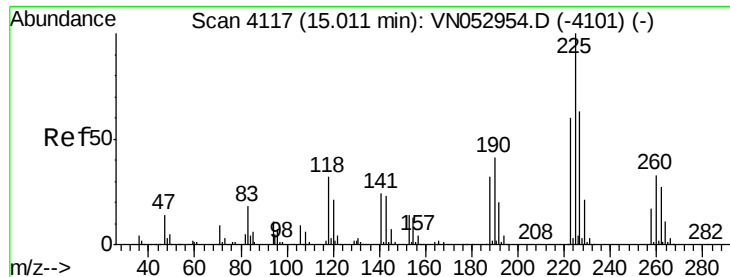
Tot Ion: 75 Resp: 1006
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.2 144.6#
 157 0.0 61.2 183.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.122 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052965.D
 Acq: 18 Dec 2018 17:04

Tgt Ion: 180 Resp: 6601
 Ion Ratio Lower Upper
 180 100
 182 91.1 47.8 143.3
 145 106.9 14.2 42.6#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

Instrument :

MSVOA_N

ClientSampleId :

P001-SD001-0006-01ME

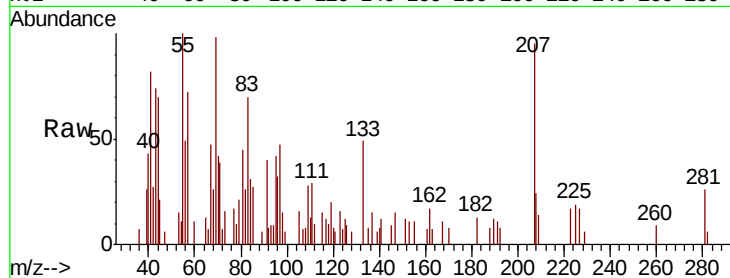
Tot Ion:225 Resp: 822

Ion Ratio Lower Upper

225 100

223 69.5 31.5 94.5

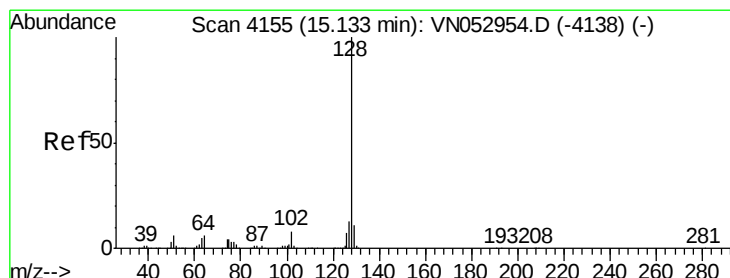
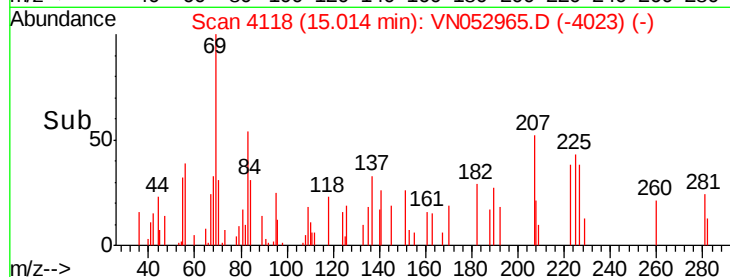
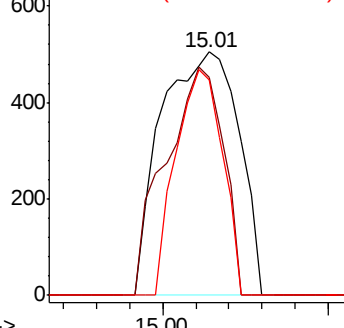
227 55.6 31.9 95.7



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: 4.489 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052965.D

Acq: 18 Dec 2018 17:04

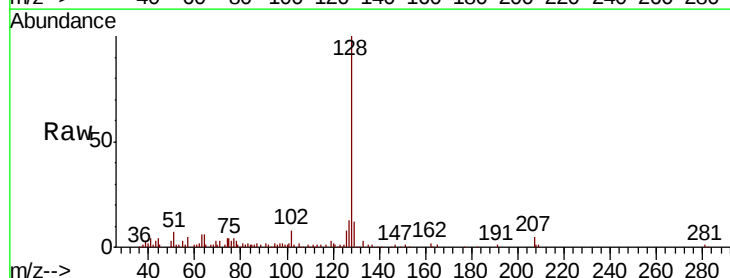
Tgt Ion:128 Resp: 92861

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

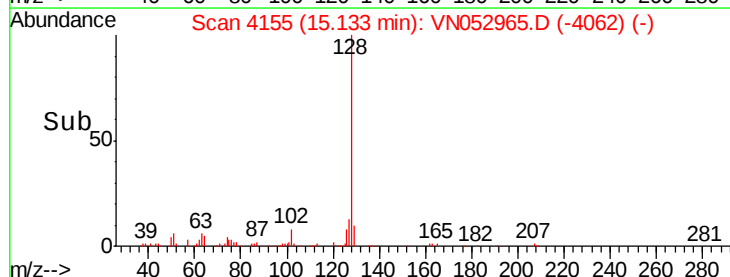
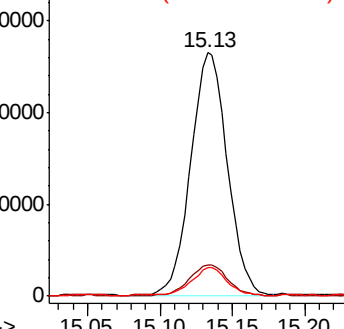
129 11.6 8.6 13.0

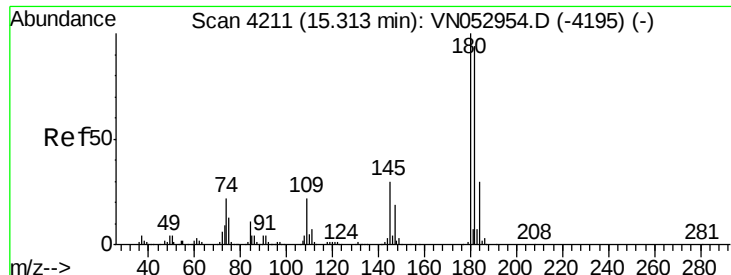


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

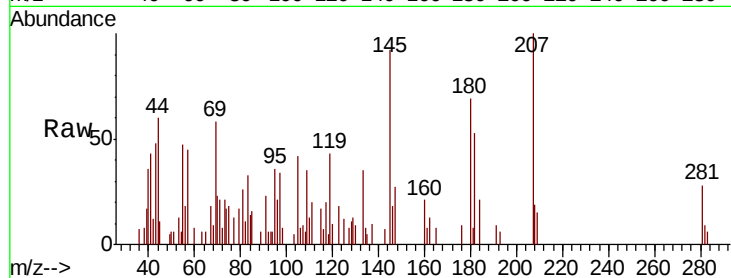




#96
 1,2,3-Trichlorobenzene
 Concen: 0.876 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052965.D
 Acq: 18 Dec 2018 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD001-0006-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.4	47.9	143.7
145	213.0	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

