

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052568.D
 Acq On : 29 Nov 2018 16:38
 Operator : MD\SY
 Sample : J6083-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Quant Time: Nov 30 00:27:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1404944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2148602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1887029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	732357	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	725132	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	7.59	113	660024	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.09	98	2626095	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	834448	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

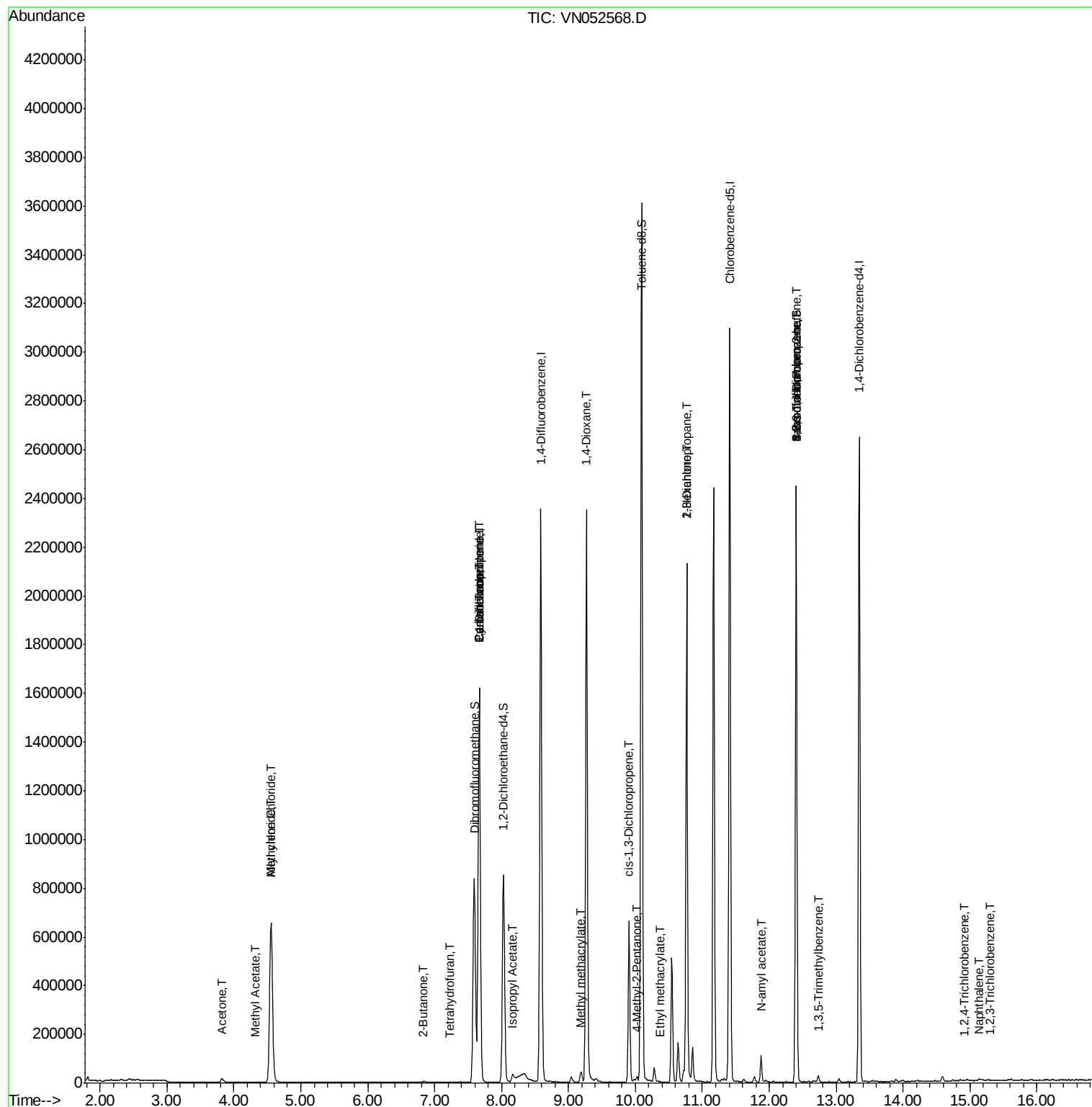
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.55	41	18170	0.801	ug/l #	27
16) Acetone	3.82	43	26014	6.447	ug/l	100
18) Methyl Acetate	4.33	43	5598	0.484	ug/l #	62
20) Methylene Chloride	4.55	84	512672	32.470	ug/l	98
25) 2-Butanone	6.83	43	1527	0.267	ug/l #	50
29) Tetrahydrofuran	7.22	42	1952	0.529	ug/l #	64
31) Cyclohexane	7.67	56	24385	0.565	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	96073	4.735	ug/l #	49
38) Carbon Tetrachloride	7.67	117	124545	6.781	ug/l #	16
43) Isopropyl Acetate	8.16	43	47532	2.268	ug/l #	83
48) Methyl methacrylate	9.18	41	16050	1.469	ug/l #	13
49) 1,4-Dioxane	9.26	88	102	0.899	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	18198	1.548	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	123470	5.535	ug/l #	63
56) Ethyl methacrylate	10.36	69	144	2.701	ug/l #	25
57) 1,3-Dichloropropane	10.77	76	21700	0.972	ug/l #	43
59) 2-Hexanone	10.77	43	305652	38.734	ug/l #	51
71) Bromoform	12.40	173	4394	0.491	ug/l #	1
74) N-amyl acetate	11.88	43	33937	2.338	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	400298	35.445	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	12167	0.266	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	400298	118.371	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	416	2.860	ug/l #	29
95) Naphthalene	15.14	128	5806	3.625	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	302	2.751	ug/l #	53

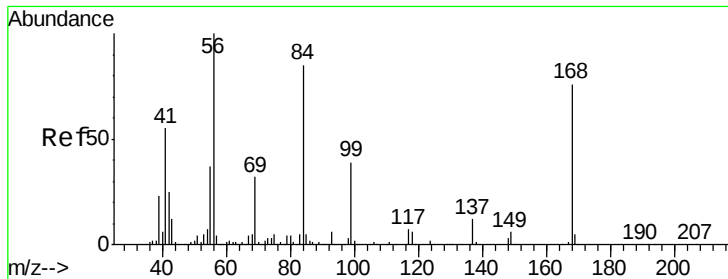
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112918\
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Quant Time: Nov 30 00:27:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

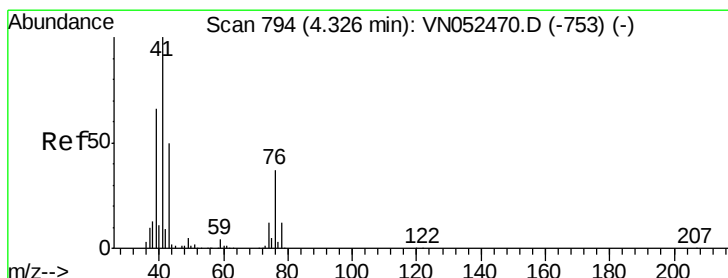
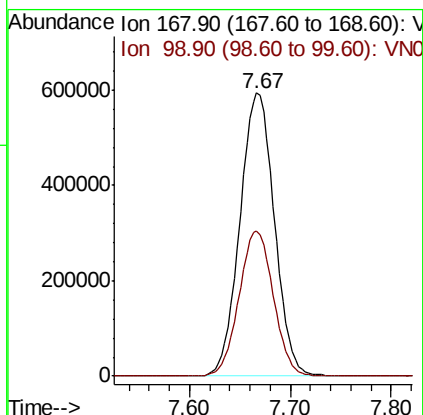
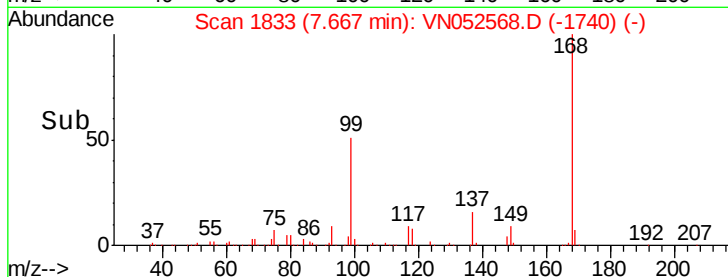
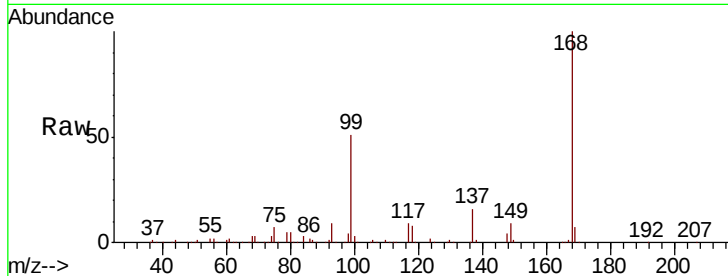
WC-3

Tot Ion:168 Resp: 1404944

Ion Ratio Lower Upper

168 100

99 51.5 41.7 62.5



#14

Allyl chloride

Concen: 0.801 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.22 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

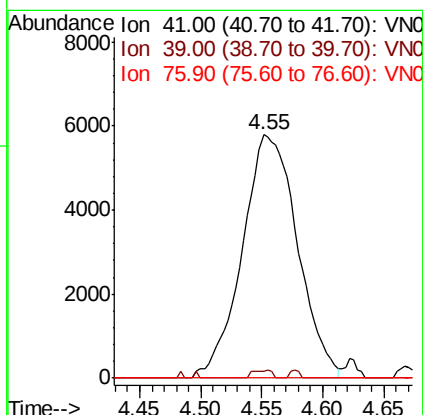
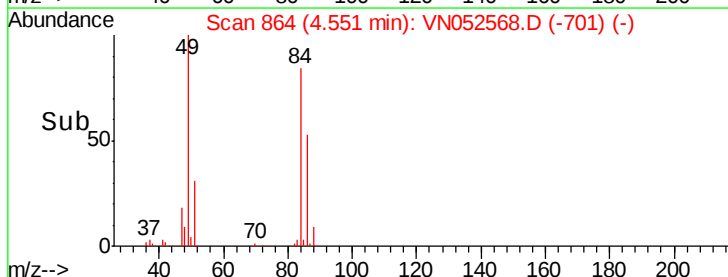
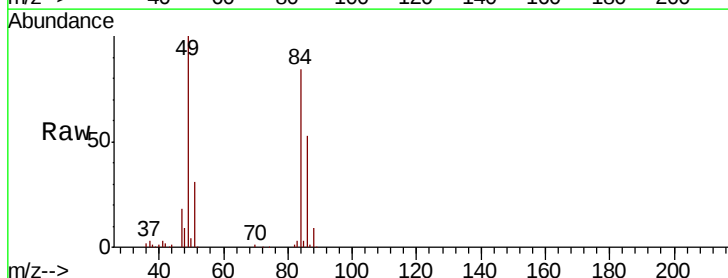
Tgt Ion: 41 Resp: 18170

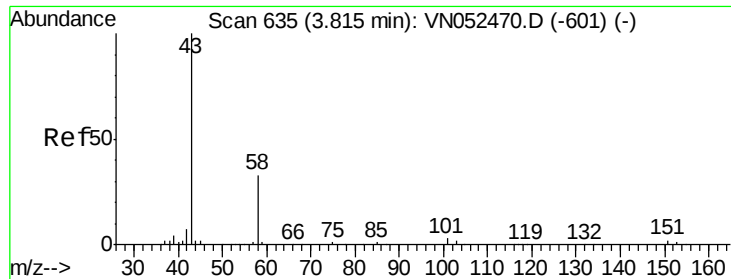
Ion Ratio Lower Upper

41 100

39 0.5 50.6 76.0#

76 0.0 27.4 41.2#





#16

Acetone

Concen: 6.447 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

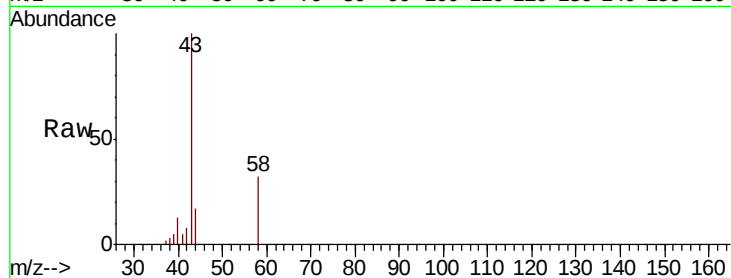
WC-3

Tot Ion: 43 Resp: 26014

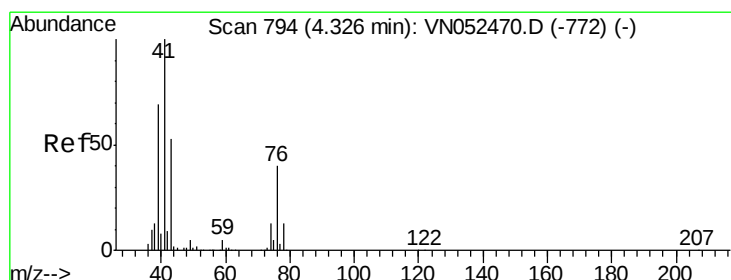
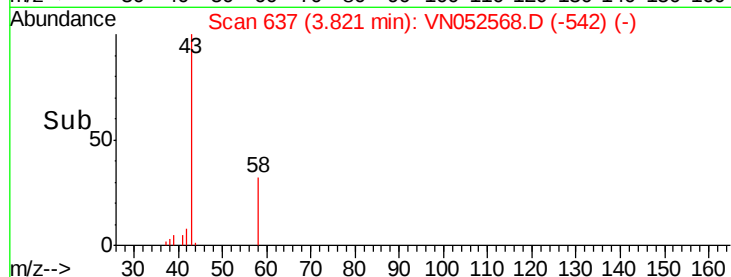
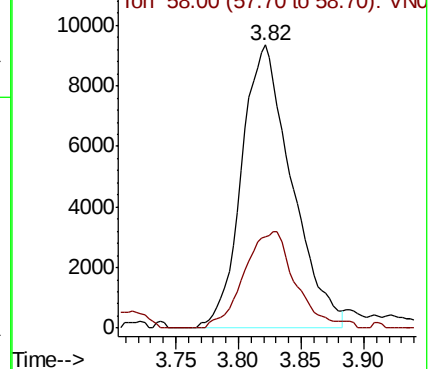
Ion Ratio Lower Upper

43 100

58 32.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)



#18

Methyl Acetate

Concen: 0.484 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052568.D

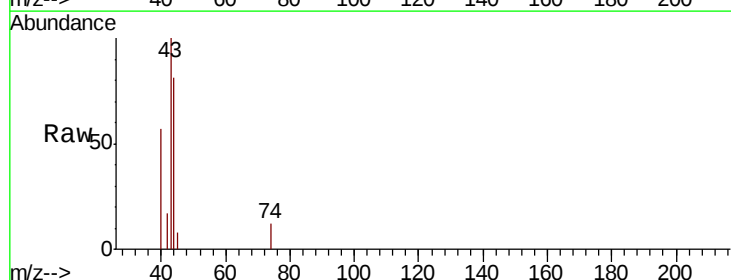
Acq: 29 Nov 2018 16:38

Tgt Ion: 43 Resp: 5598

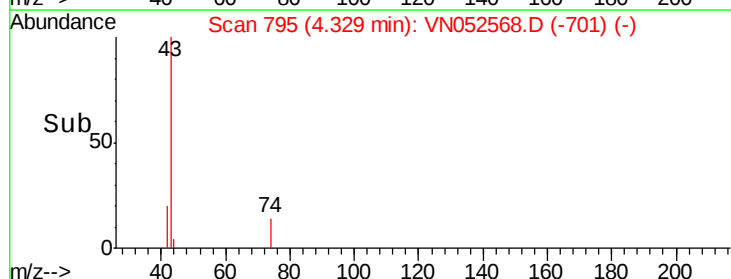
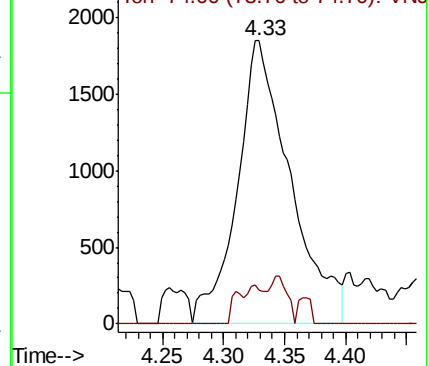
Ion Ratio Lower Upper

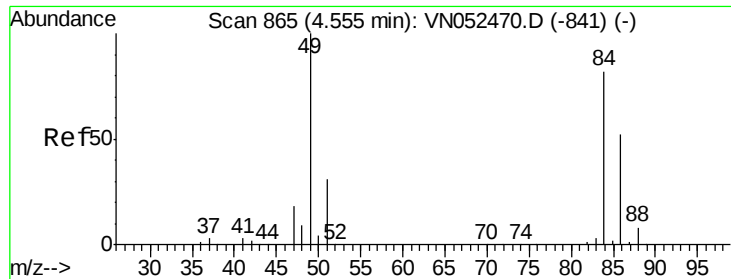
43 100

74 4.6 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)



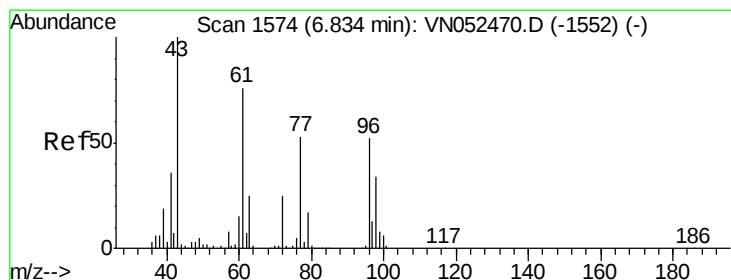
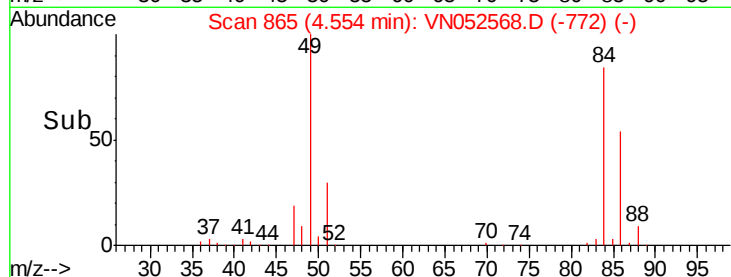
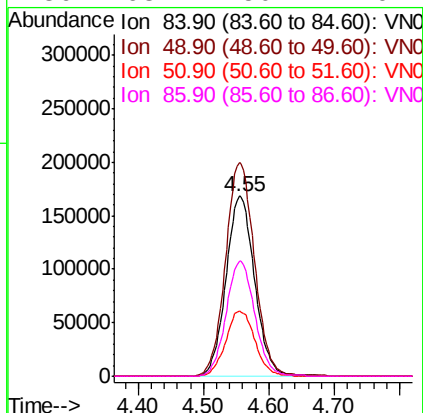
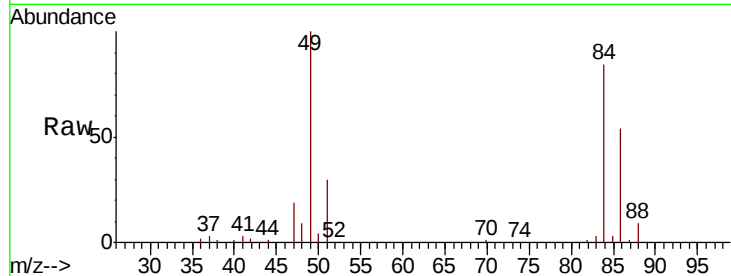


#20
Methylene Chloride
Concen: 32.470 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052568.D
Acq: 29 Nov 2018 16:38

Instrument :
MSVOA_N
ClientSampled :
WC-3

Tot Ion: 84 Resp: 512672

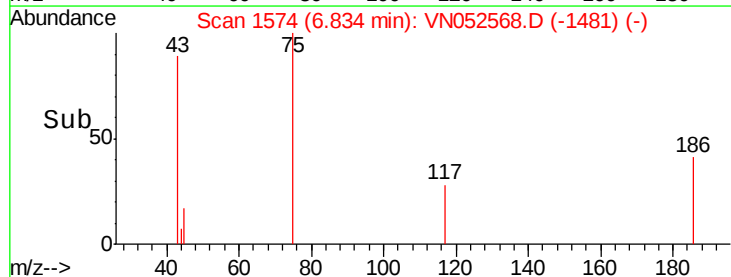
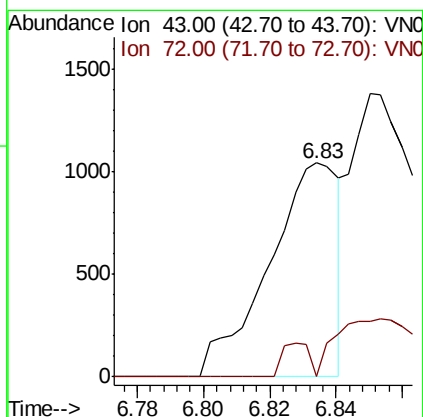
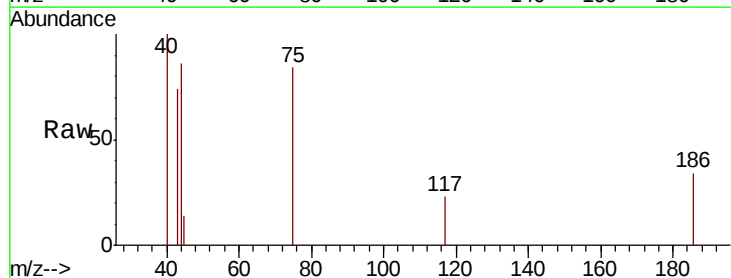
Ion	Ratio	Lower	Upper
84	100		
49	118.6	98.0	147.0
51	36.1	30.1	45.1
86	63.7	50.7	76.1

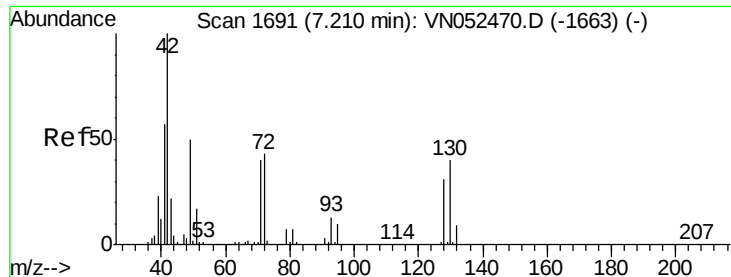


#25
2-Butanone
Concen: 0.267 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052568.D
Acq: 29 Nov 2018 16:38

Tgt Ion: 43 Resp: 1527

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.1	30.1#





#29

Tetrahydrofuran

Concen: 0.529 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

WC-3

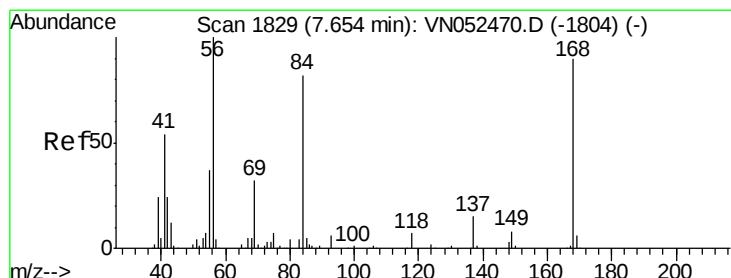
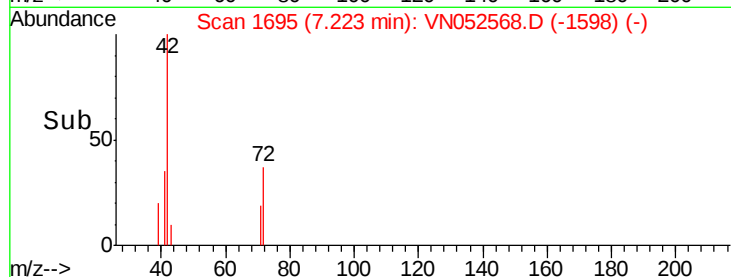
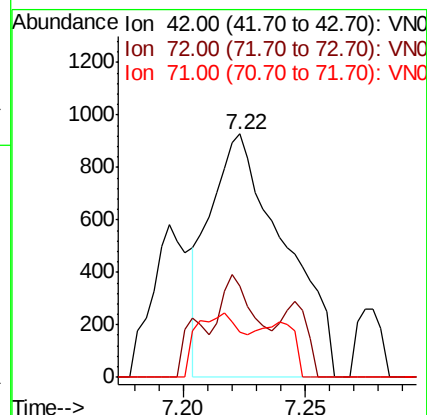
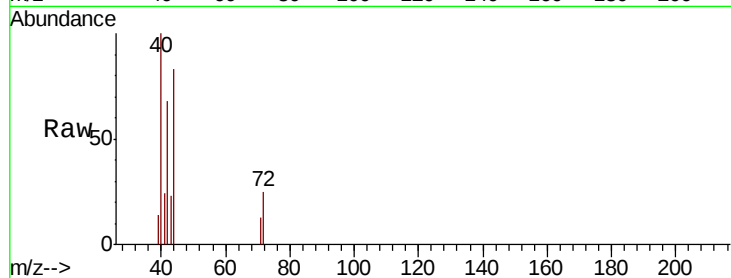
Tot Ion: 42 Resp: 1952

Ion Ratio Lower Upper

42 100

72 21.2 33.3 49.9#

71 16.0 32.0 48.0#



#31

Cyclohexane

Concen: 0.565 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

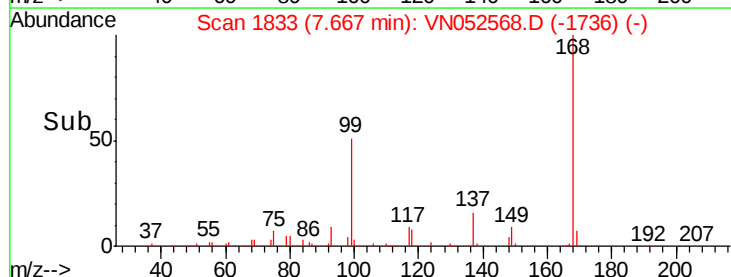
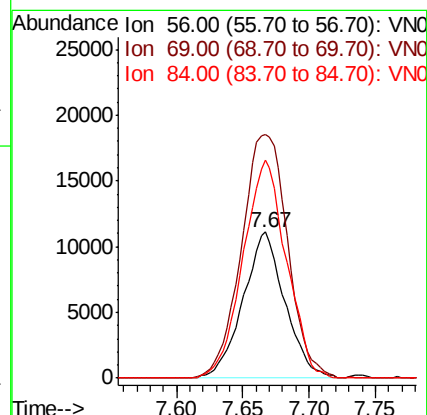
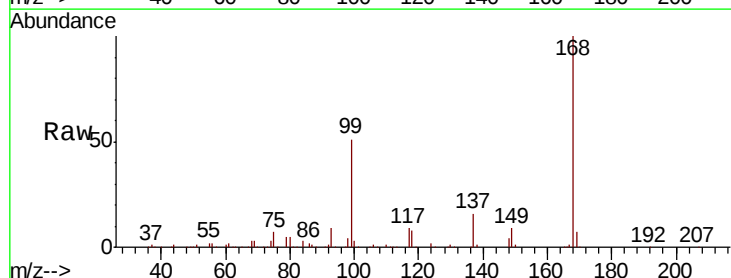
Tgt Ion: 56 Resp: 24385

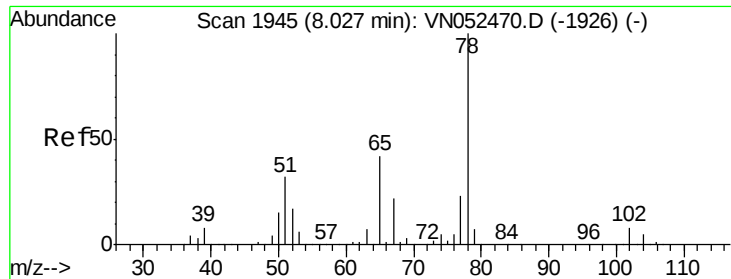
Ion Ratio Lower Upper

56 100

69 166.9 25.8 38.6#

84 149.2 65.3 97.9#

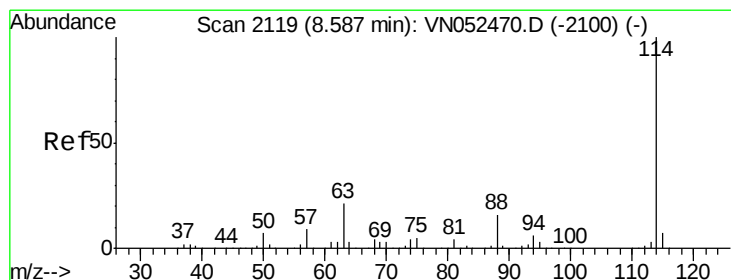
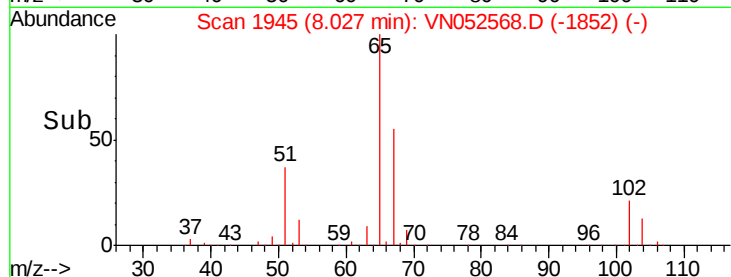
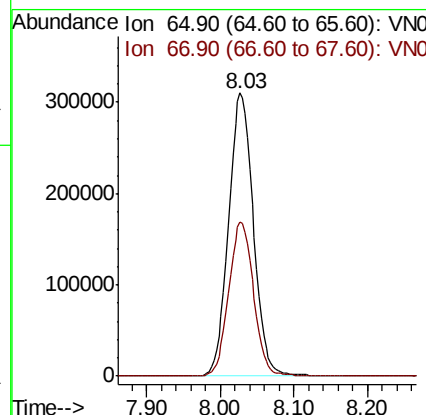
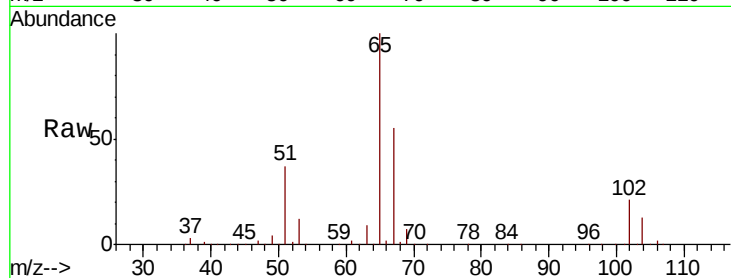




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

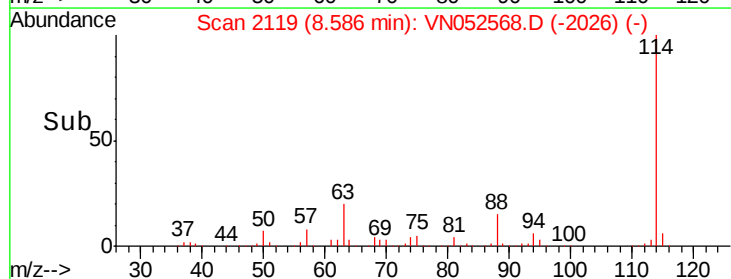
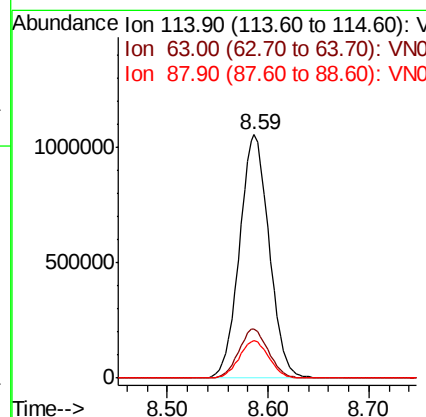
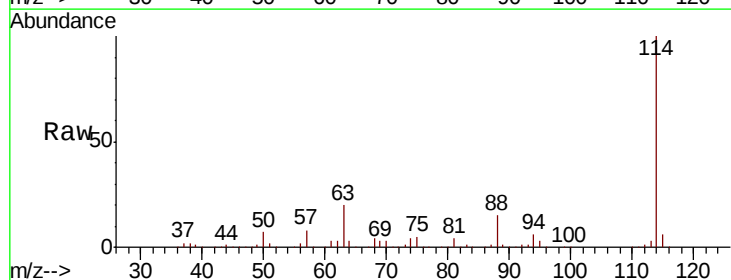
Instrument :
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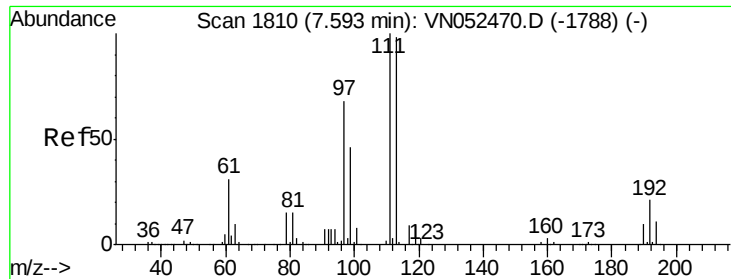
Tot Ion: 65 Resp: 725132
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

Tgt Ion: 114 Resp: 2148602
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.4 0.0 31.6

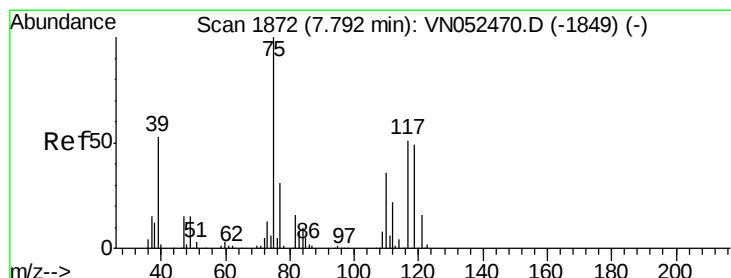
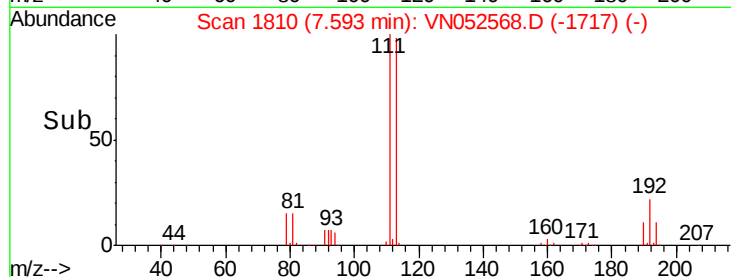
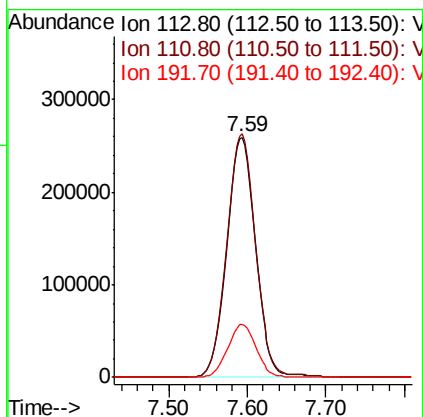
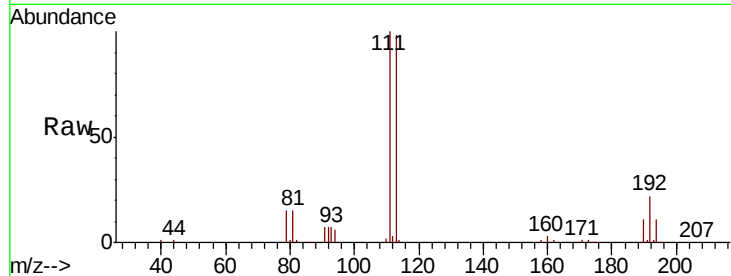




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

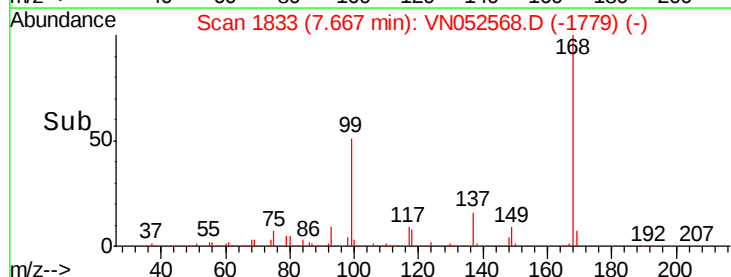
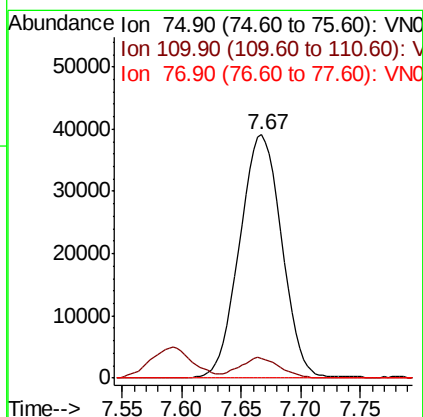
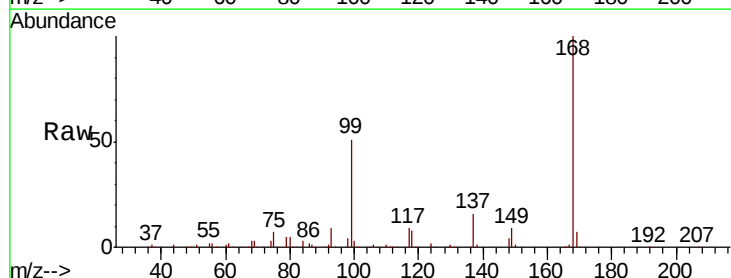
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

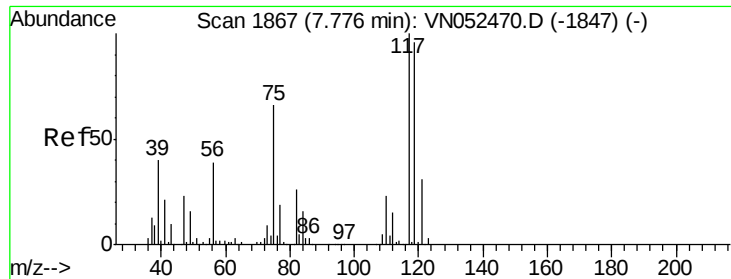
Tot Ion:113 Resp: 660024
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.0 123.0
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

Tgt Ion: 75 Resp: 96073
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.5 52.6#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.781 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

WC-3

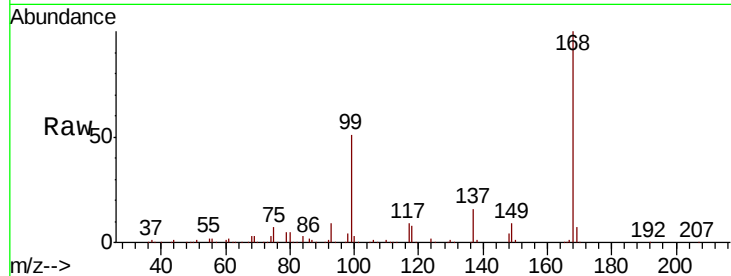
Tot Ion:117 Resp: 124545

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

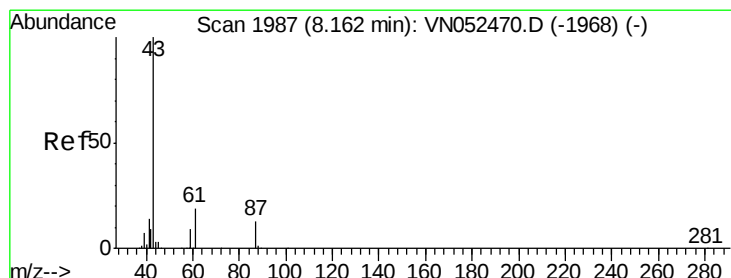
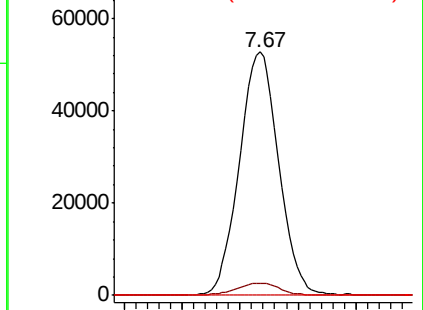
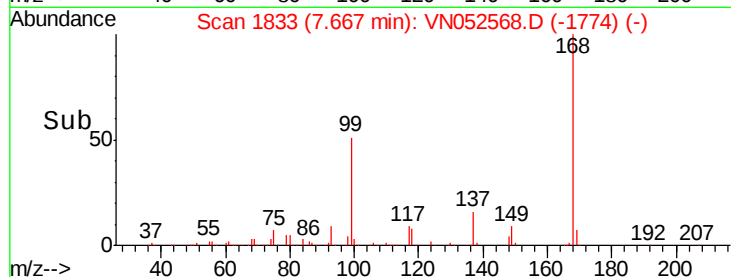
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.268 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

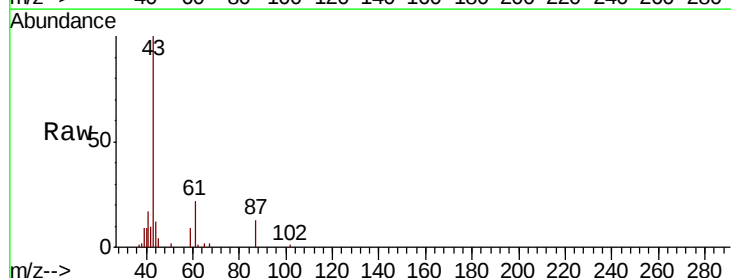
Tgt Ion: 43 Resp: 47532

Ion Ratio Lower Upper

43 100

61 18.6 24.1 36.1#

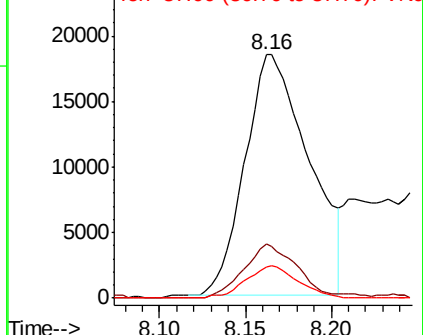
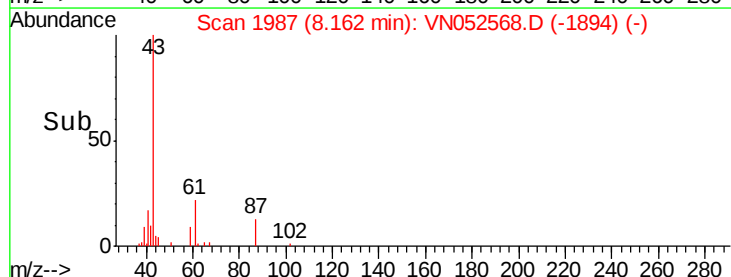
87 10.8 10.6 15.8

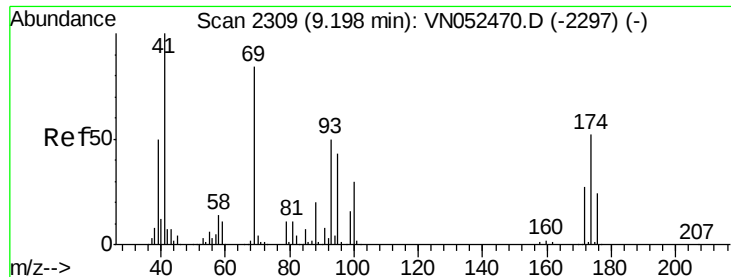


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

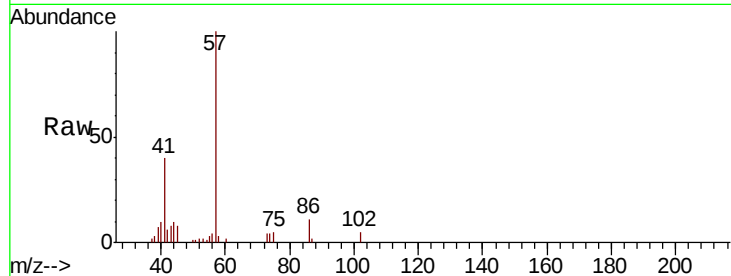




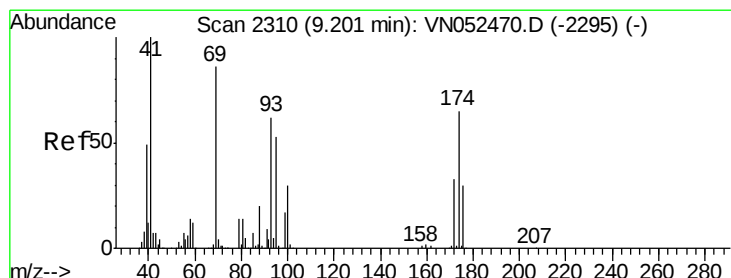
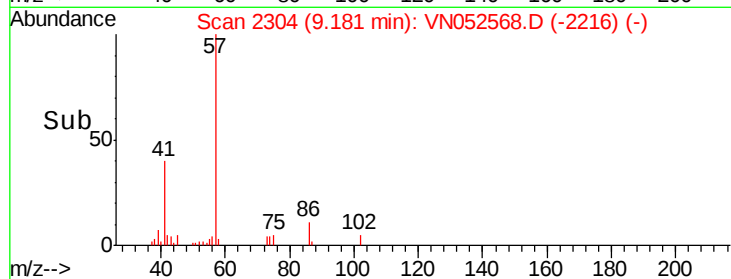
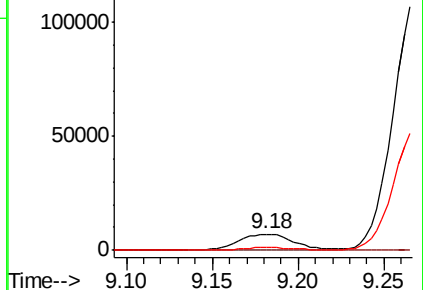
#48
Methyl methacrylate
Concen: 1.469 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052568.D
Acq: 29 Nov 2018 16:38

Instrument :
MSVOA_N
ClientSampled :
WC-3

Tot Ion: 41 Resp: 16050
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#

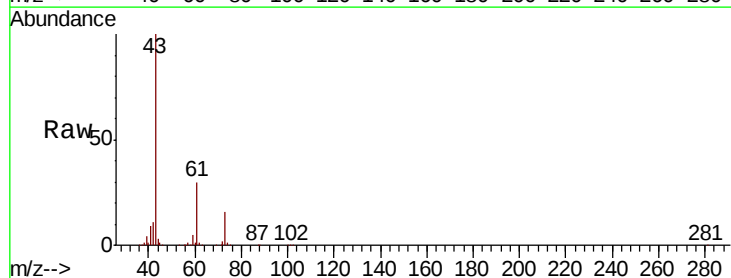


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

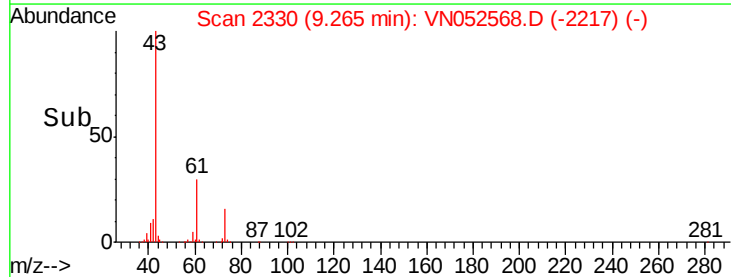
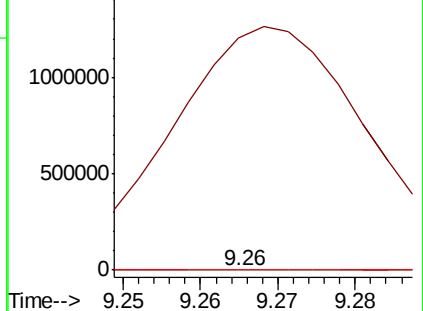


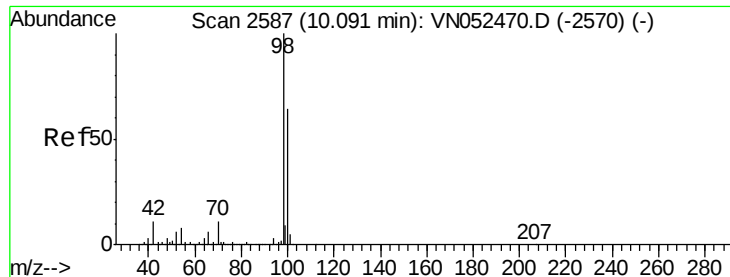
#49
1,4-Dioxane
Concen: 0.899 ug/l
RT: 9.26 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN052568.D
Acq: 29 Nov 2018 16:38

Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 2309836.3 26.4 39.6#
58 10362.7 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 0.899 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

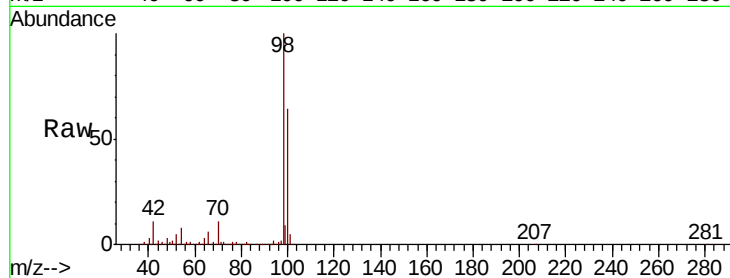
WC-3

Tot Ion: 98 Resp: 2626095

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

10.09

1500000

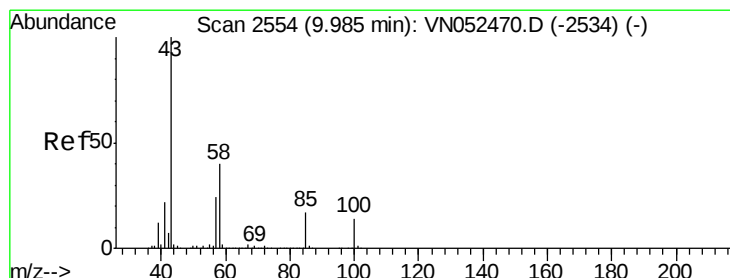
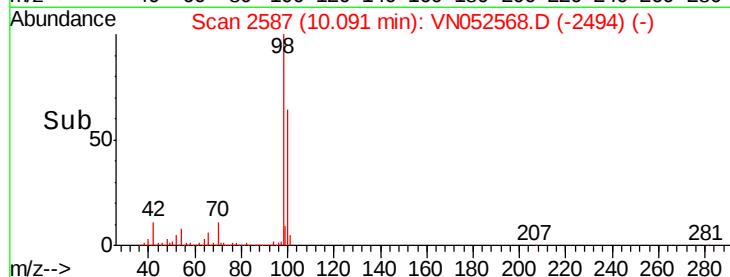
1000000

500000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.548 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052568.D

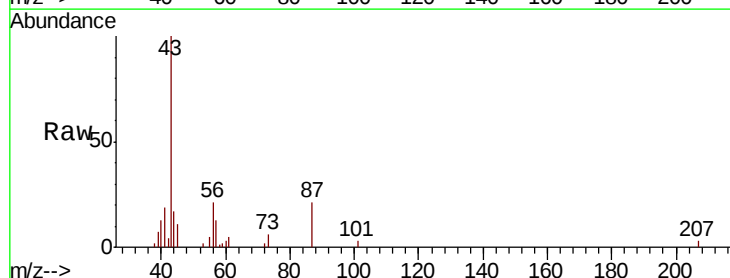
Acq: 29 Nov 2018 16:38

Tgt Ion: 43 Resp: 18198

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

10.03

12000

10000

8000

6000

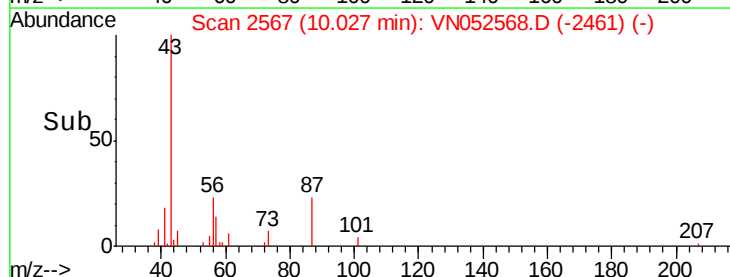
4000

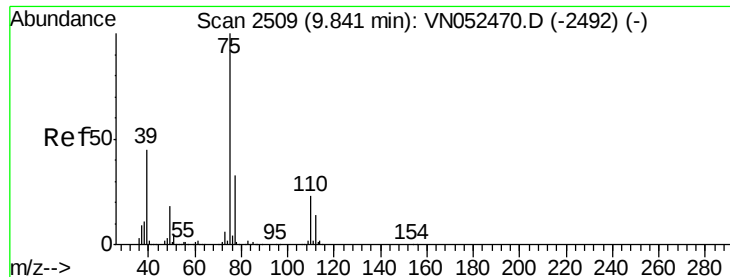
2000

0

10.00 10.05

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.535 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

WC-3

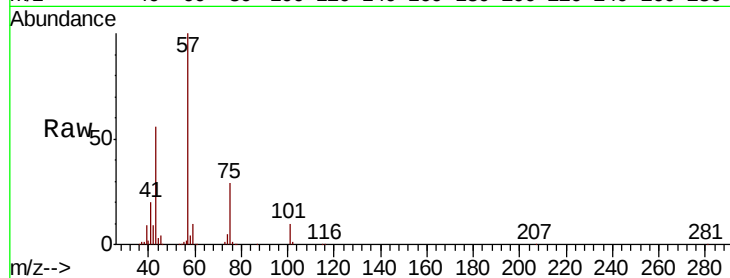
Tot Ion: 75 Resp: 123470

Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

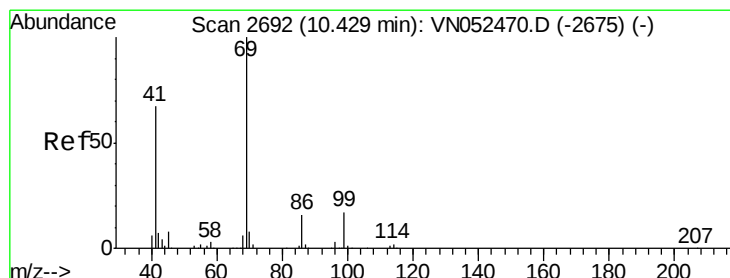
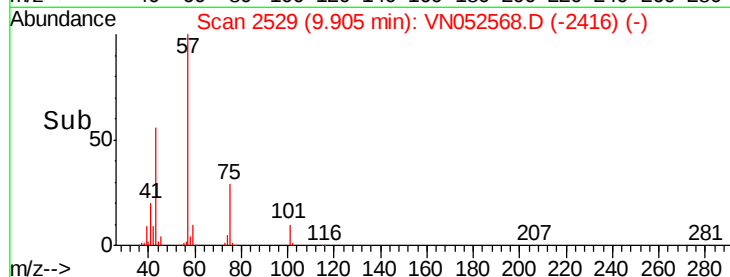
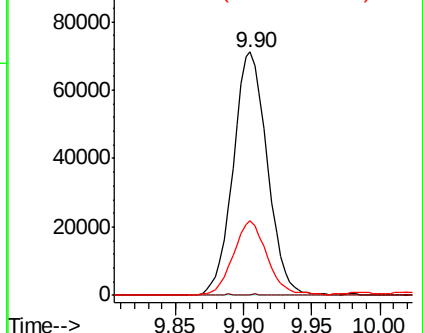
39 30.3 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.701 ug/l

RT: 10.36 min Scan# 2672

Delta R.T. -0.06 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

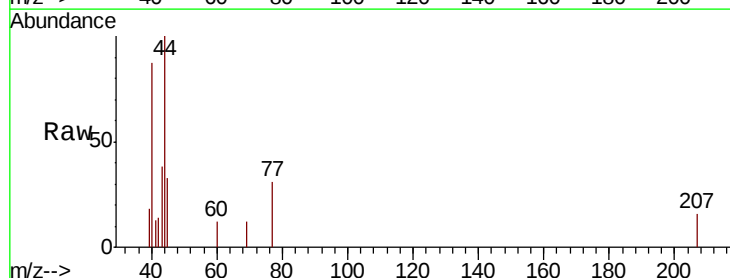
Tgt Ion: 69 Resp: 144

Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

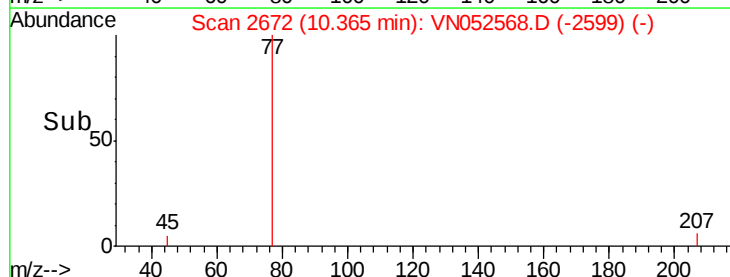
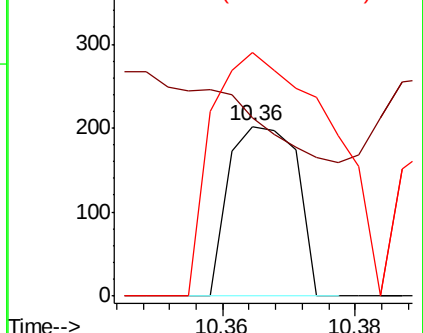
39 0.0 25.9 38.9#

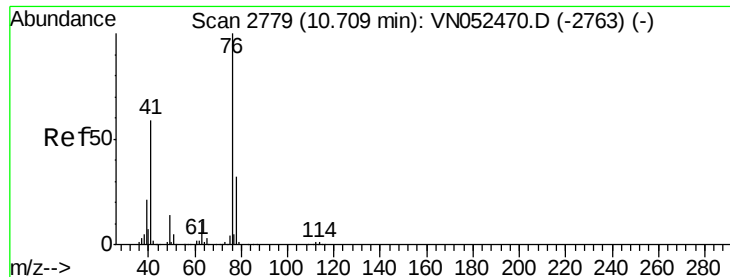


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

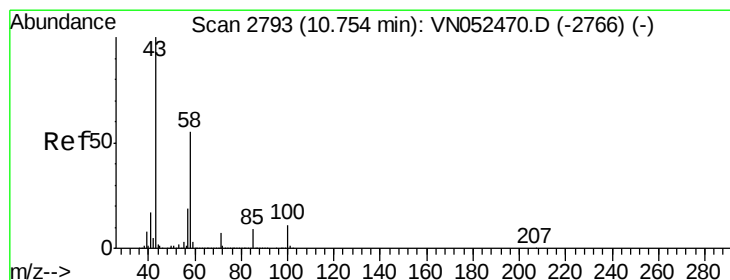
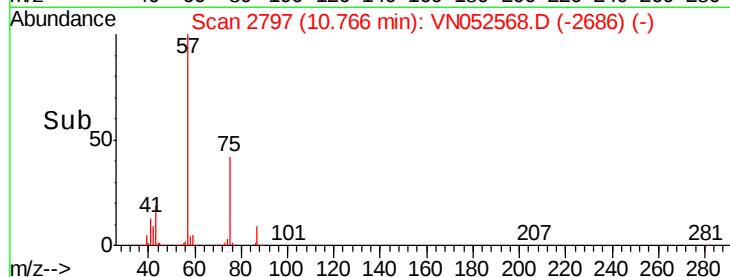
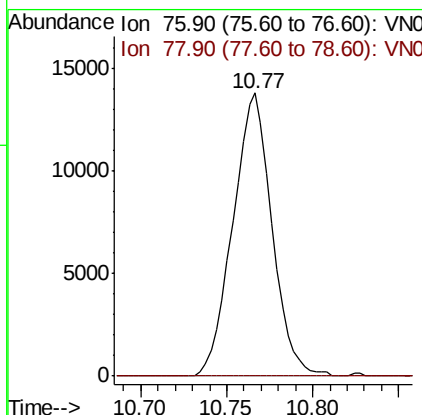
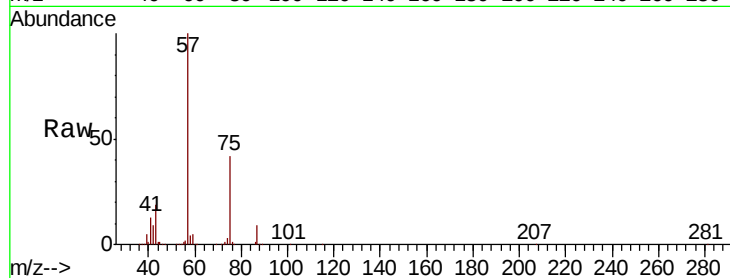




#57
 1,3-Dichloropropane
 Concen: 0.972 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

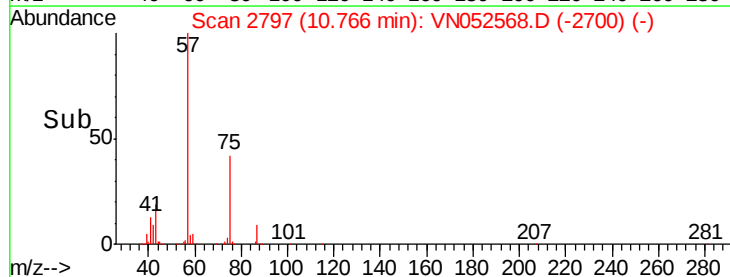
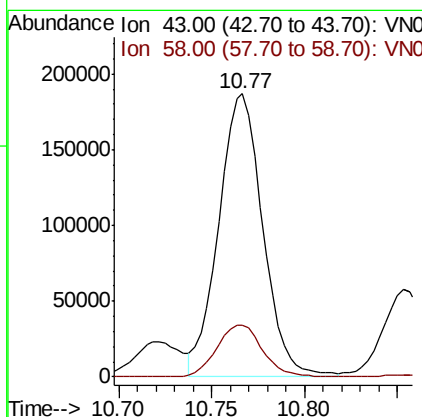
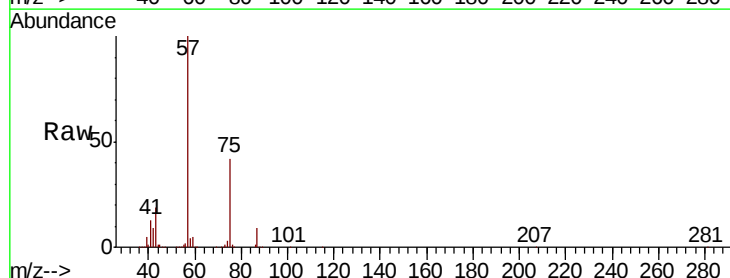
Instrument :
 MSVOA_N
 ClientSampled :
 WC-3

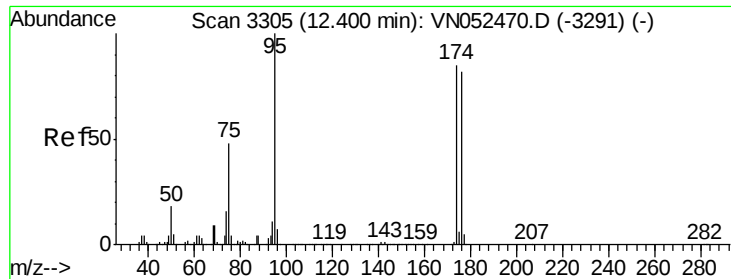
Tot Ion: 76 Resp: 21700
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 38.734 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

Tgt Ion: 43 Resp: 305652
 Ion Ratio Lower Upper
 43 100
 58 19.5 27.4 82.0#

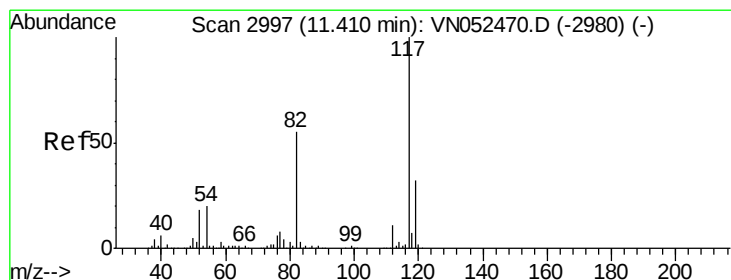
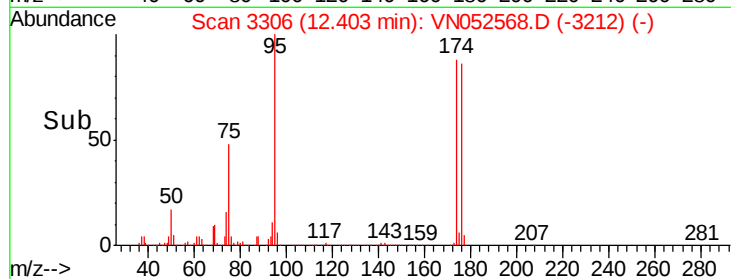
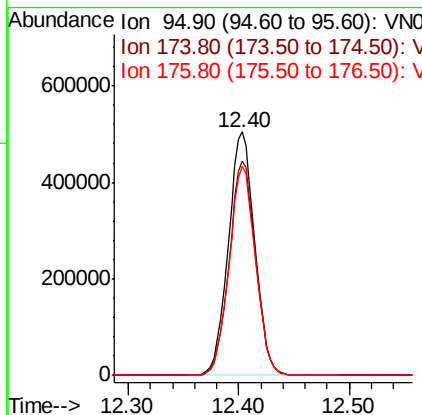
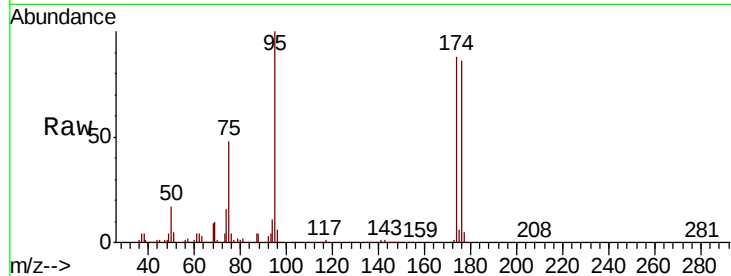




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052568.D
Acq: 29 Nov 2018 16:38

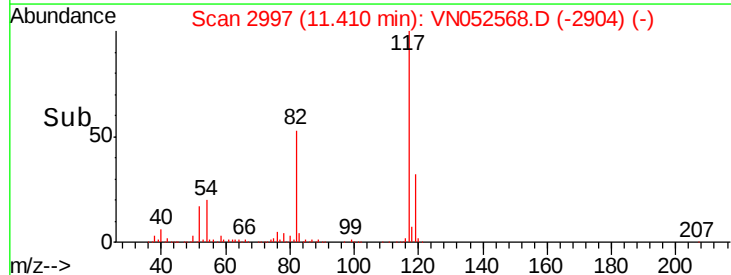
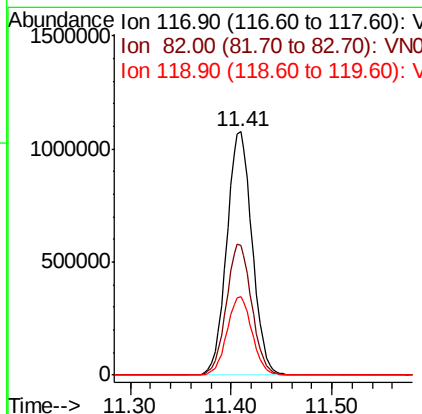
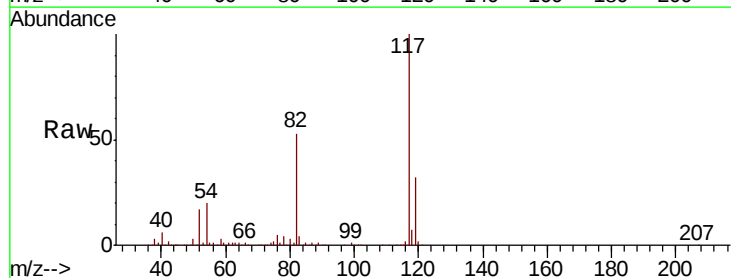
Instrument :
MSVOA_N
ClientSampleId :
WC-3

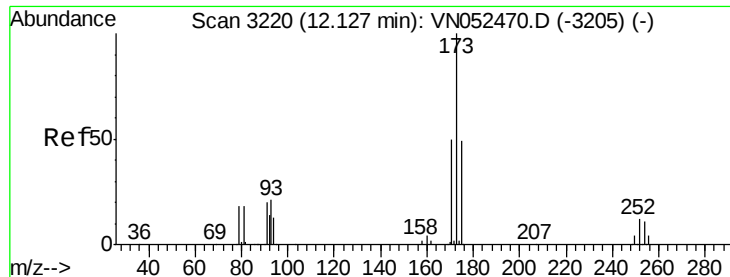
Tot Ion: 95 Resp: 834448
Ion Ratio Lower Upper
95 100
174 88.4 0.0 173.0
176 85.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052568.D
Acq: 29 Nov 2018 16:38

Tgt Ion: 117 Resp: 1887029
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.0 25.4 38.2





#71

Bromoform

Concen: 0.491 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

WC-3

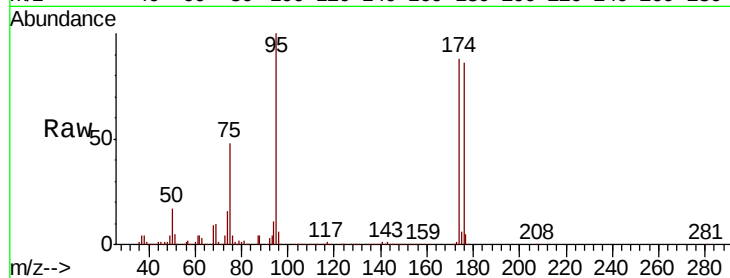
Tot Ion:173 Resp: 4394

Ion Ratio Lower Upper

173 100

175 1025.3 24.4 73.2#

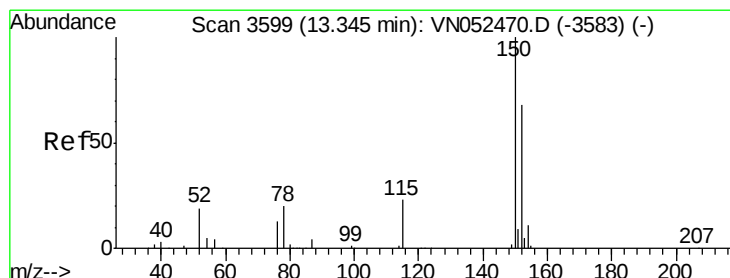
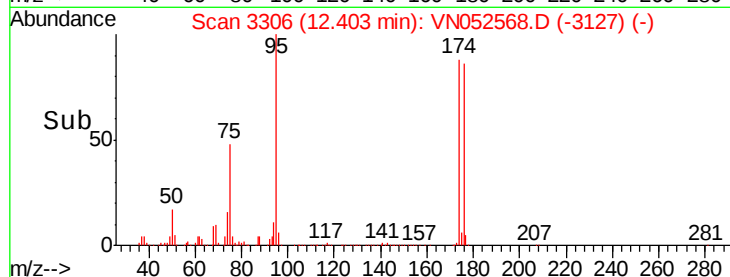
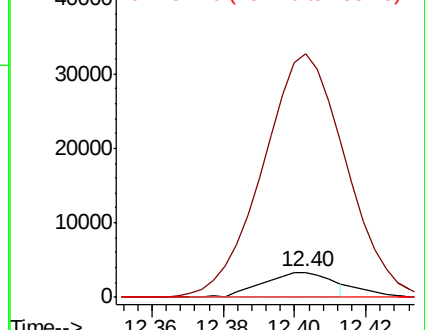
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

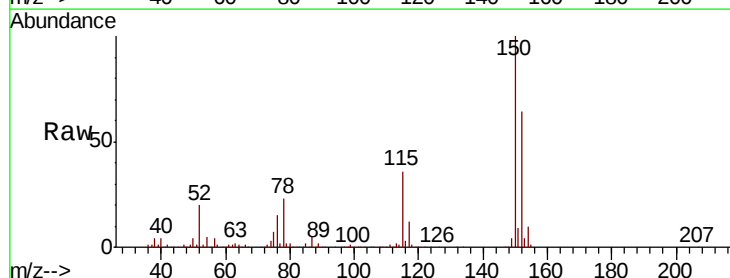
Tgt Ion:152 Resp: 732357

Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.2

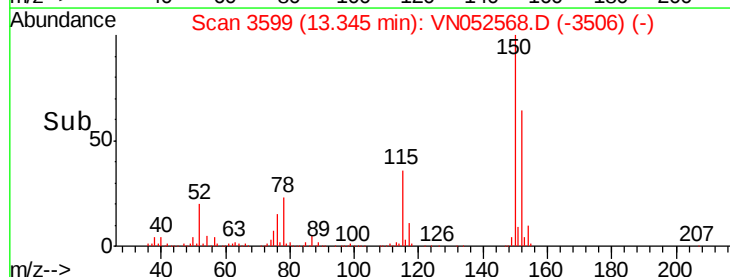
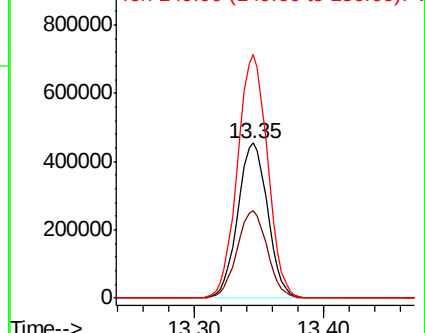
150 158.0 0.0 346.0

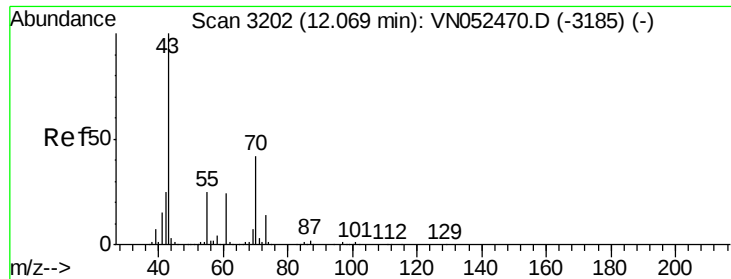


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.338 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

WC-3

Tot Ion: 43 Resp: 33937

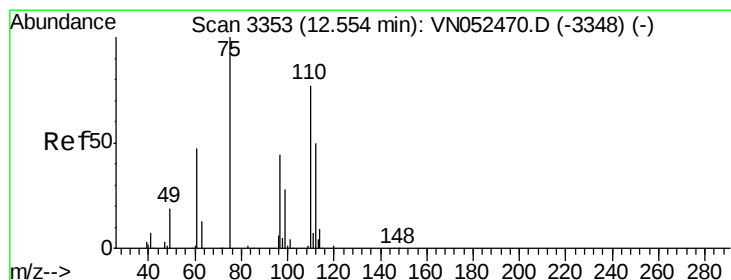
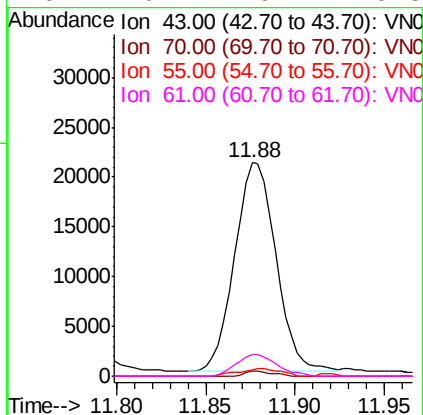
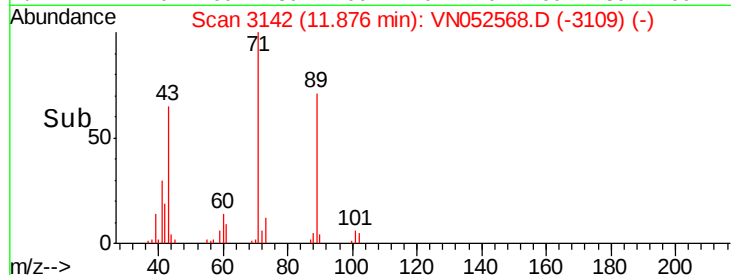
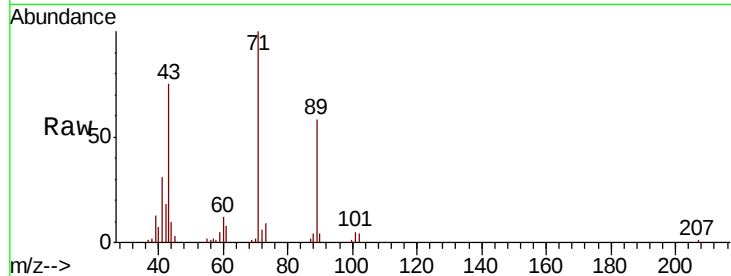
Ion Ratio Lower Upper

43 100

70 1.6 33.8 50.8#

55 3.7 20.0 30.0#

61 10.1 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 35.445 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052568.D

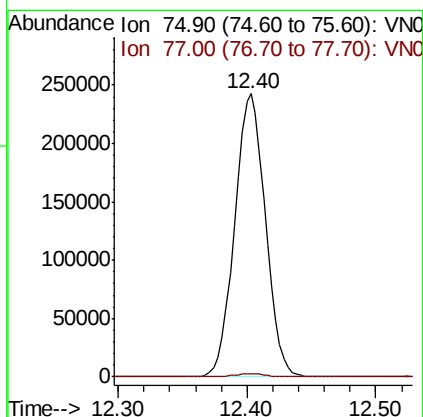
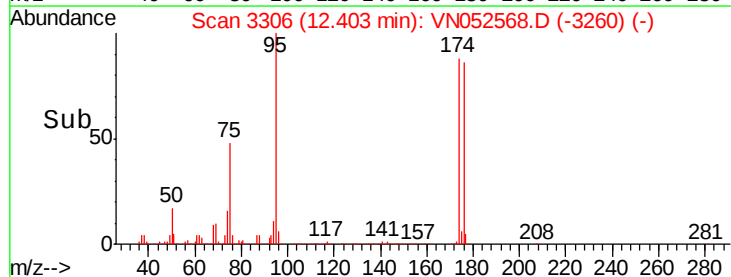
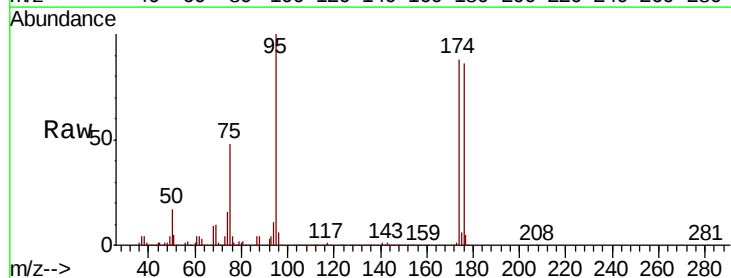
Acq: 29 Nov 2018 16:38

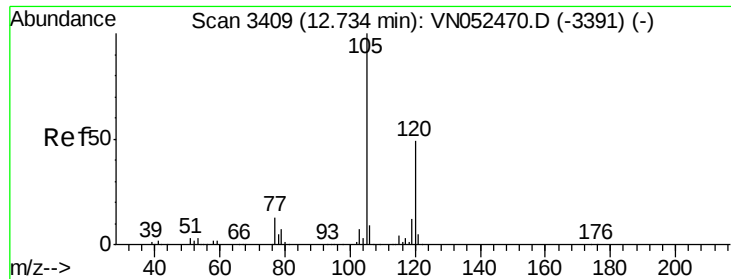
Tgt Ion: 75 Resp: 400298

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.266 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

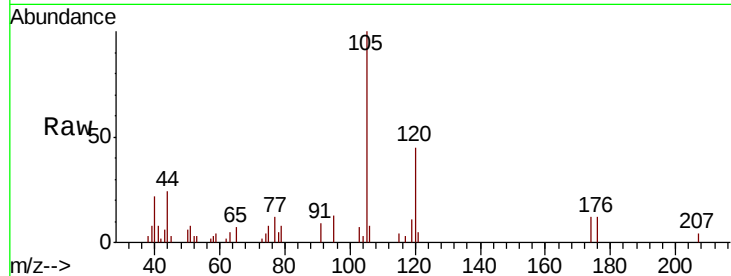
WC-3

Tot Ion:105 Resp: 12167

Ion Ratio Lower Upper

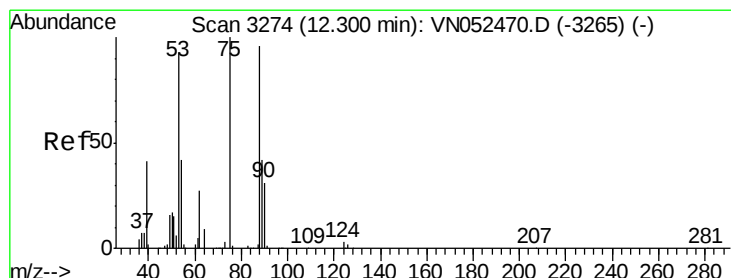
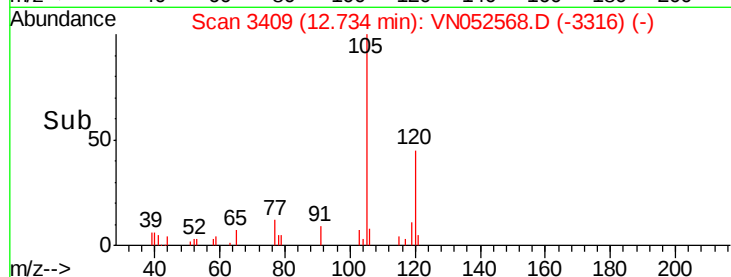
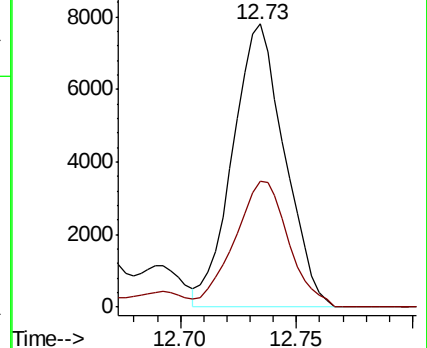
105 100

120 46.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 118.371 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052568.D

Acq: 29 Nov 2018 16:38

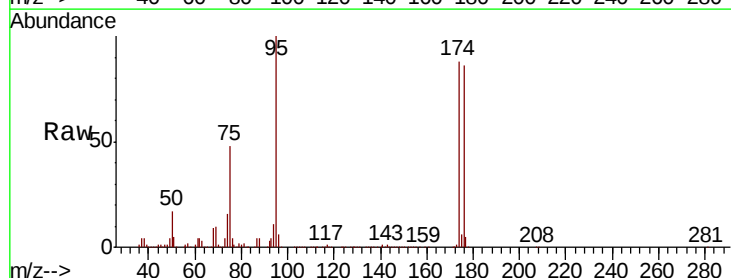
Tgt Ion: 75 Resp: 400298

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

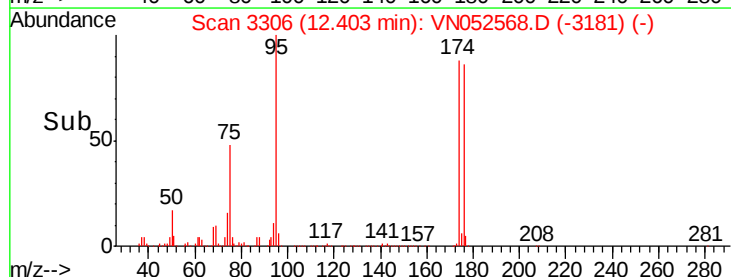
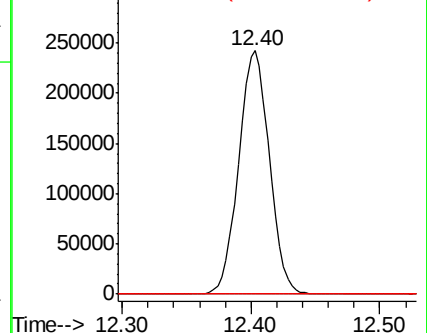
89 0.0 35.4 53.2#

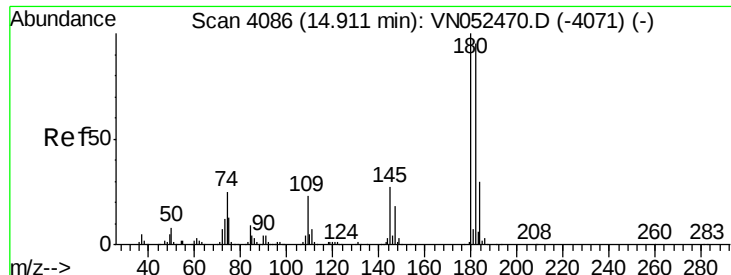


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

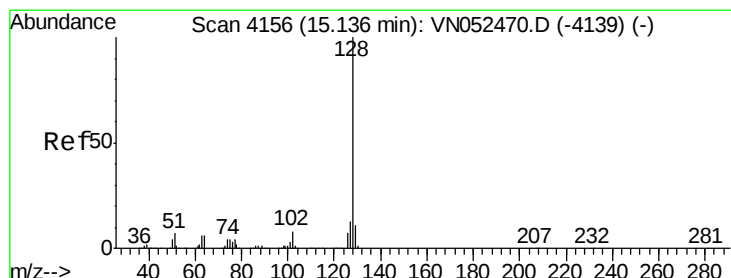
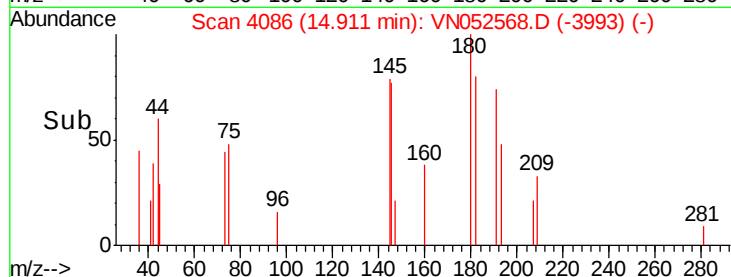
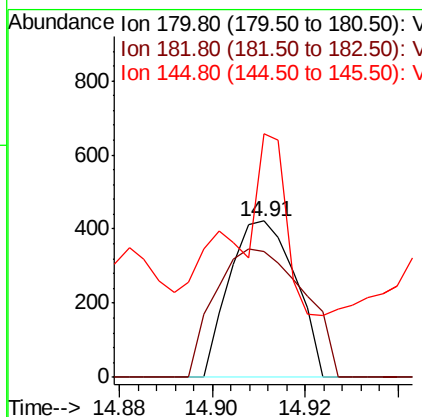
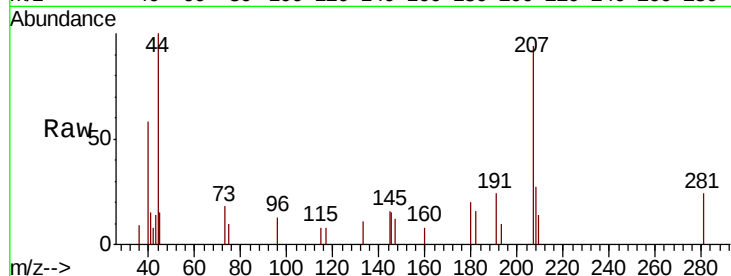




#93
 1,2,4-Trichlorobenzene
 Concen: 2.860 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

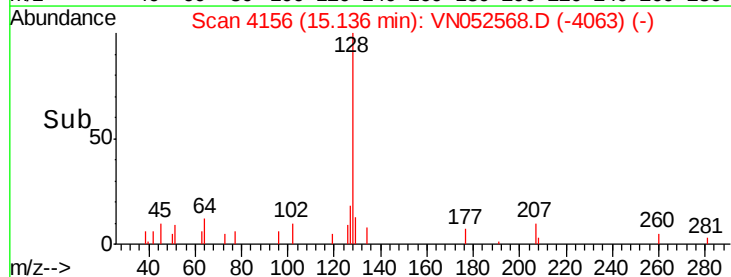
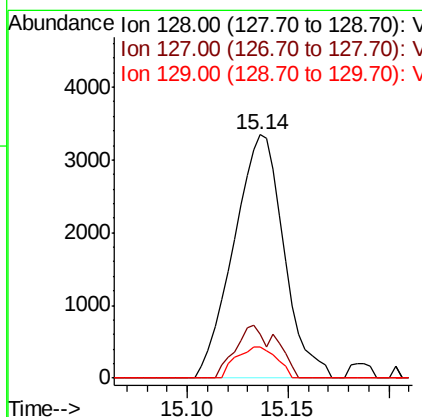
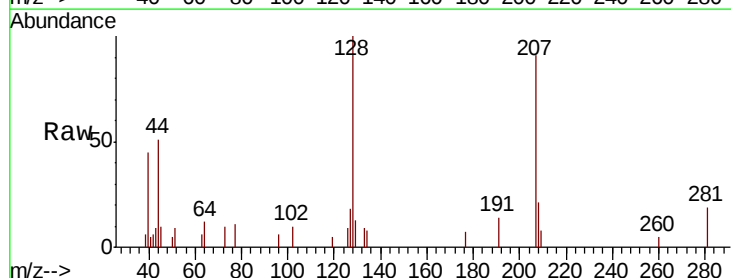
Instrument :
 MSVOA_N
 ClientSampled :
 WC-3

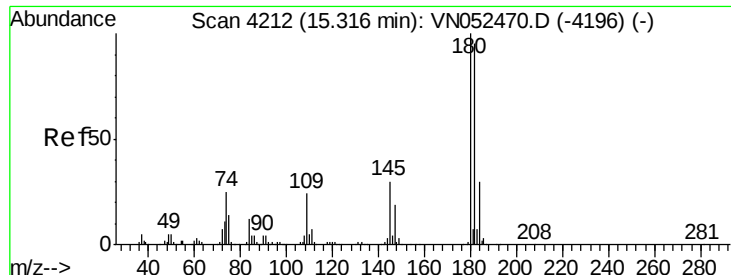
Tot Ion:180 Resp: 416
 Ion Ratio Lower Upper
 180 100
 182 110.6 47.8 143.4
 145 165.9 14.1 42.3#



#95
 Naphthalene
 Concen: 3.625 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

Tgt Ion:128 Resp: 5806
 Ion Ratio Lower Upper
 128 100
 127 17.8 10.2 15.2#
 129 10.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.751 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052568.D
 Acq: 29 Nov 2018 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Tot Ion	Ratio	Lower	Upper
180	100		
182	120.9	47.8	143.3
145	92.7	15.2	45.5

