

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052529.D
 Acq On : 28 Nov 2018 19:28
 Operator : MD\SY
 Sample : J6030-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01

Quant Time: Nov 29 00:12:58 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	1404061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2132131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1864998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	743263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	707773	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	7.59	113	650396	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.09	98	2572043	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	844912	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

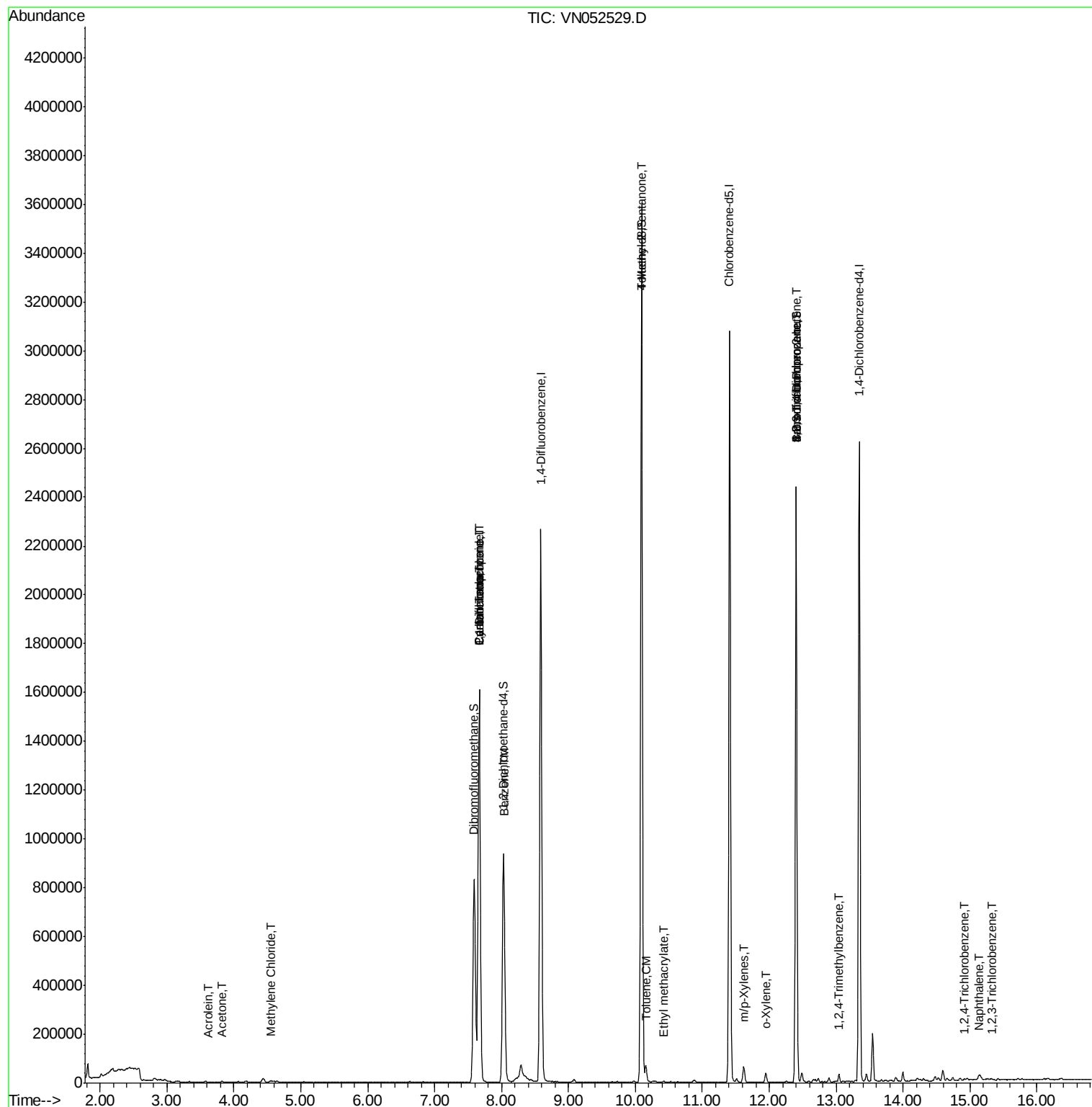
						Qvalue
13) Acrolein	3.62	56	153	33.574	ug/l #	1
16) Acetone	3.82	43	6563	1.628	ug/l	95
20) Methylene Chloride	4.55	84	3672	0.233	ug/l #	84
31) Cyclohexane	7.66	56	29065	0.745	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	95095	4.723	ug/l #	49
38) Carbon Tetrachloride	7.67	117	123187	6.759	ug/l #	15
40) Benzene	8.04	78	180104	3.002	ug/l	100
51) 4-Methyl-2-Pentanone	10.09	43	10014	0.858	ug/l #	1
52) Toluene	10.16	92	28324	0.794	ug/l	97
56) Ethyl methacrylate	10.43	69	95	2.698	ug/l #	1
68) m/p-Xylenes	11.62	106	21493	0.857	ug/l	98
69) o-Xylene	11.95	106	10159	0.417	ug/l	90
71) Bromoform	12.40	173	4876	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	400614	34.953	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	400614	116.726	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	18874	0.405	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	1003	2.901	ug/l #	68
95) Naphthalene	15.13	128	16489	3.977	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	982	2.803	ug/l #	83

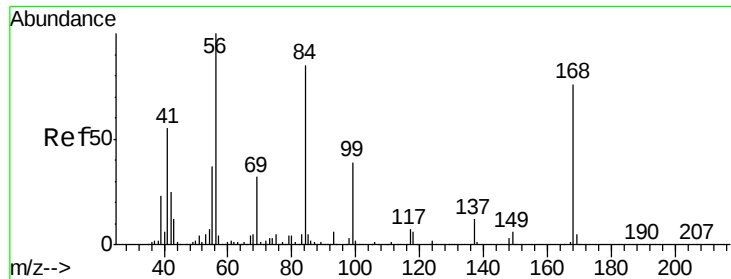
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052529.D

Acq: 28 Nov 2018 19:28

Instrument :

MSVOA_N

ClientSampled :

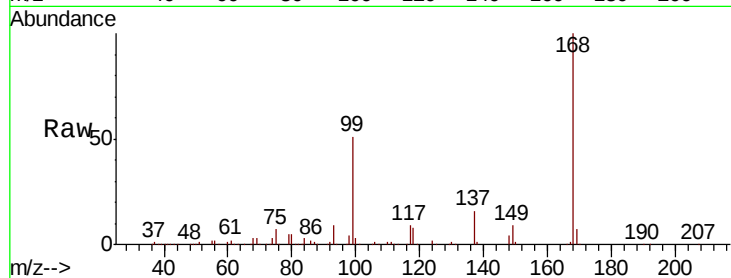
DUP-01

Tot Ion:168 Resp: 1404061

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

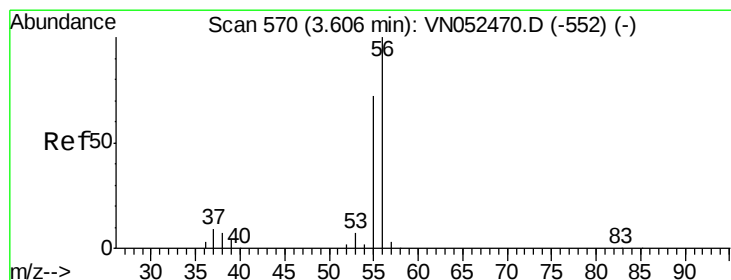
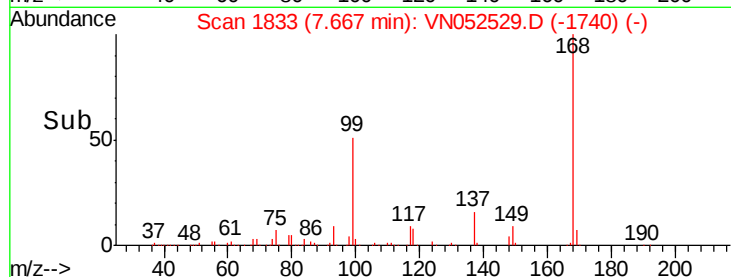
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 33.574 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052529.D

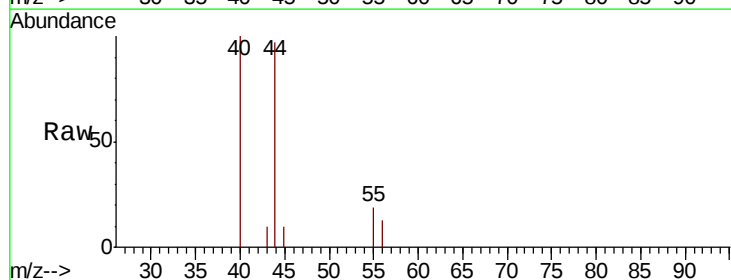
Acq: 28 Nov 2018 19:28

Tgt Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 234.0 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

800

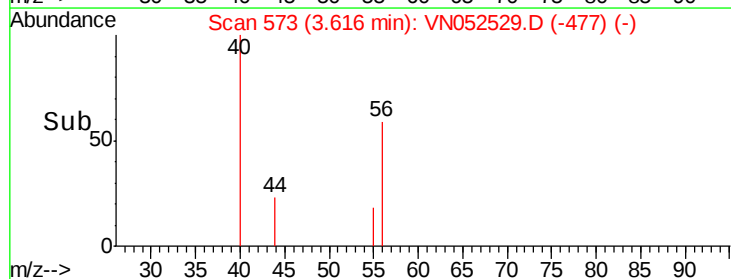
600

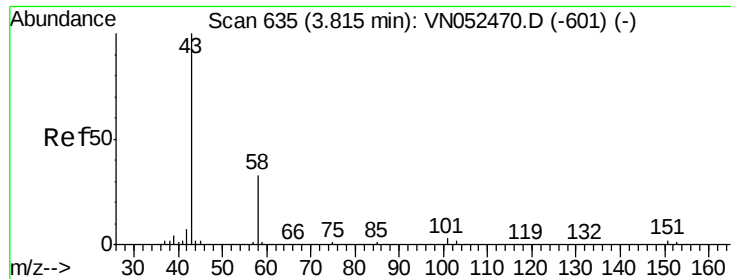
400

200

0

Time-->





#16

Acetone

Concen: 1.628 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052529.D

Acq: 28 Nov 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

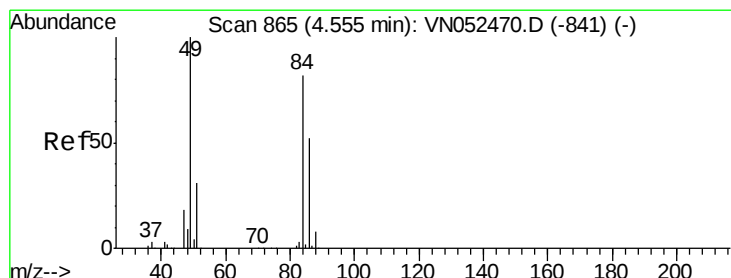
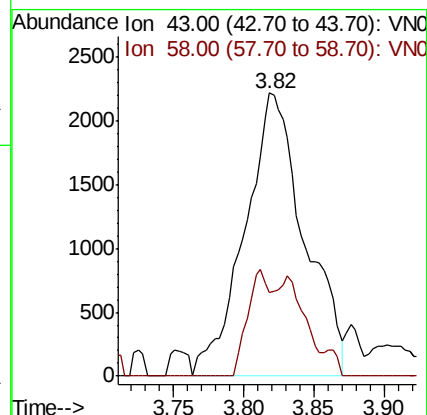
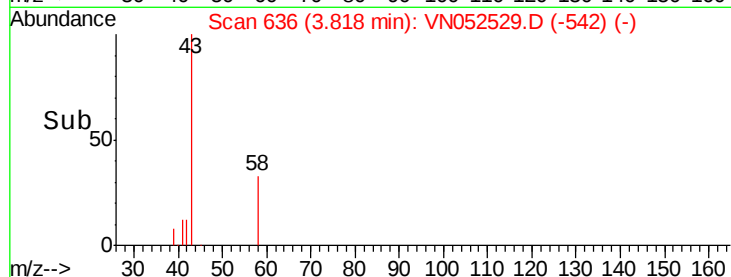
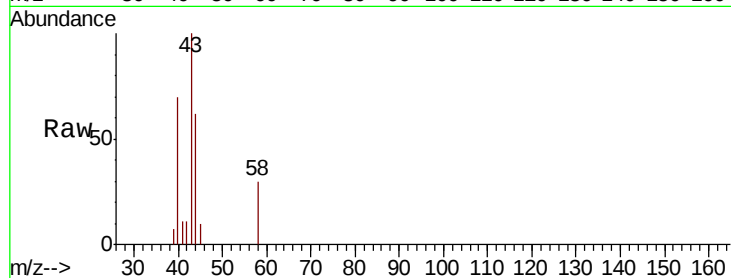
DUP-01

Tot Ion: 43 Resp: 6563

Ion Ratio Lower Upper

43 100

58 29.7 26.0 39.0



#20

Methylene Chloride

Concen: 0.233 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN052529.D

Acq: 28 Nov 2018 19:28

Tgt Ion: 84 Resp: 3672

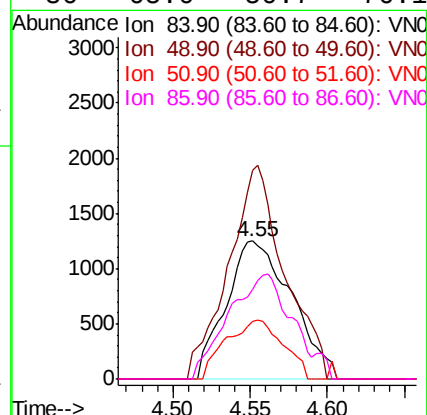
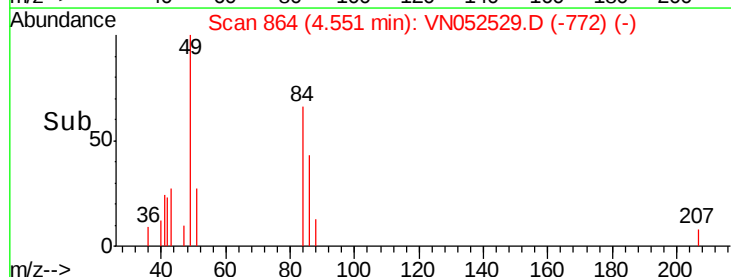
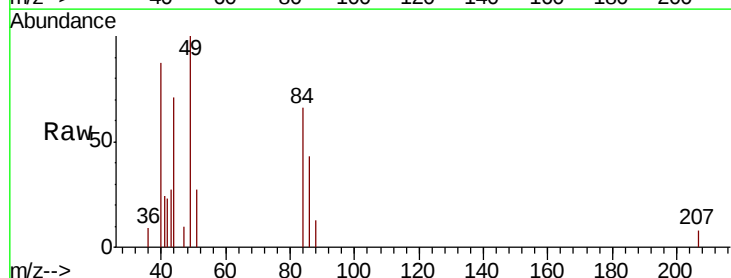
Ion Ratio Lower Upper

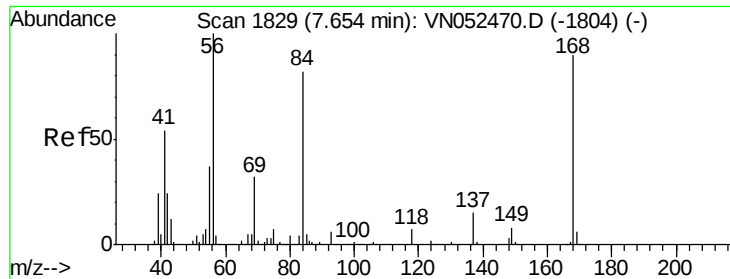
84 100

49 151.3 98.0 147.0#

51 41.4 30.1 45.1

86 65.0 50.7 76.1

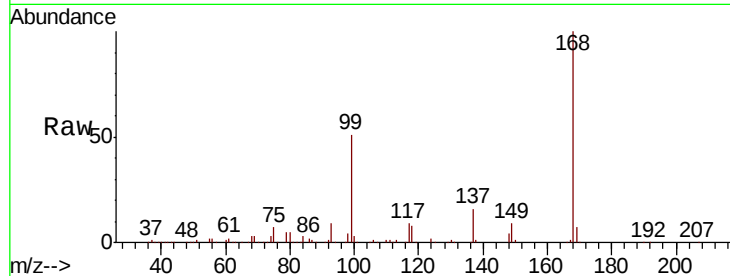




#31
Cyclohexane
Concen: 0.745 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Instrument :
MSVOA_N
ClientSampled :
DUP-01

Tot Ion	56	Resp	29065
Ion Ratio	Lower	Upper	
56	100		
69	166.5	25.8	38.6#
84	141.1	65.3	97.9#

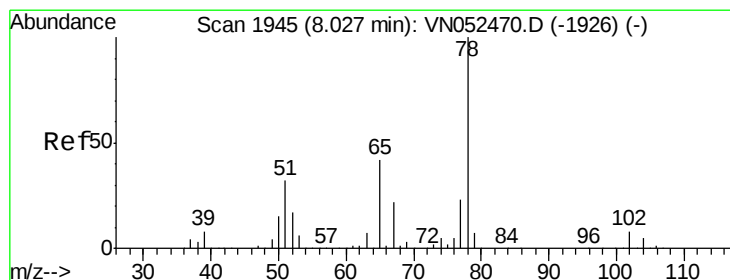
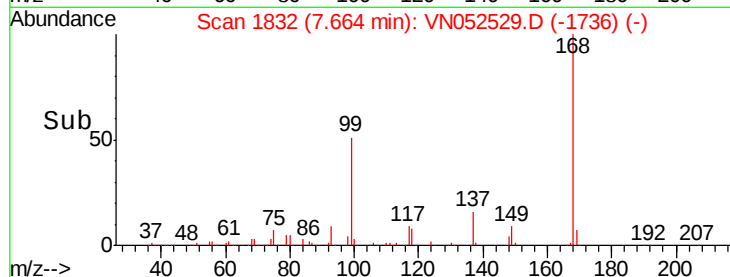
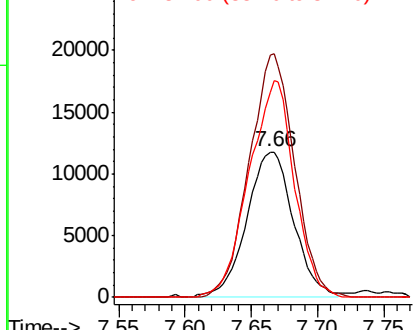


Abundance

Ion 56.00 (55.70 to 56.70): VNO

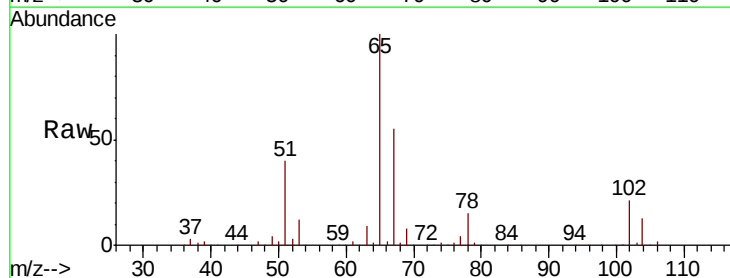
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

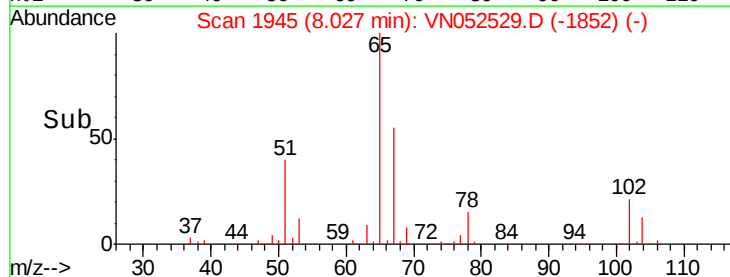
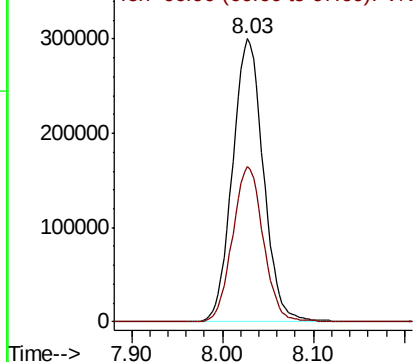
Tgt Ion	65	Resp	707773
Ion Ratio	Lower	Upper	
65	100		
67	54.9	0.0	109.8

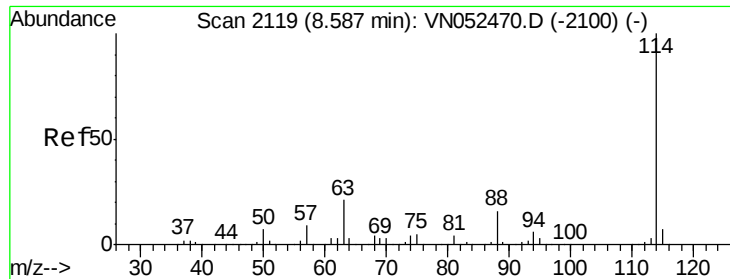


Abundance

Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

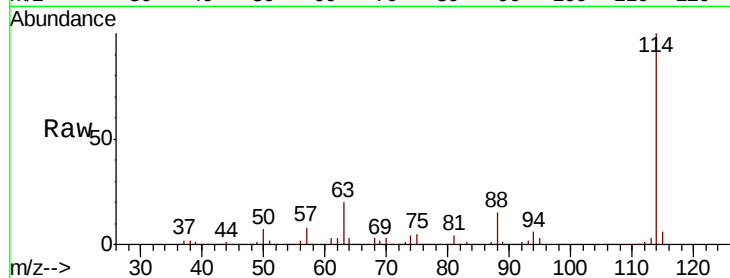




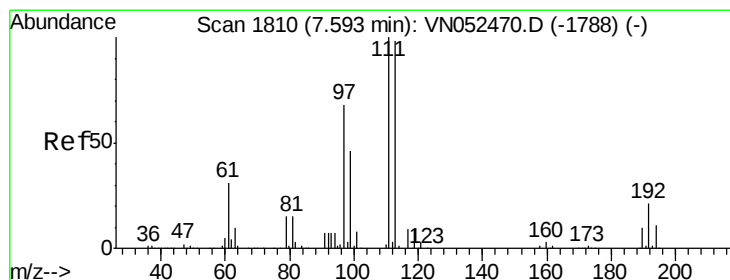
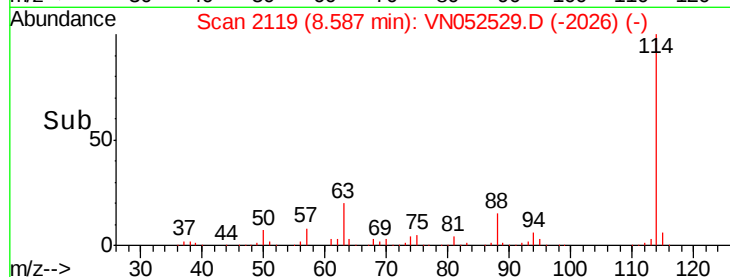
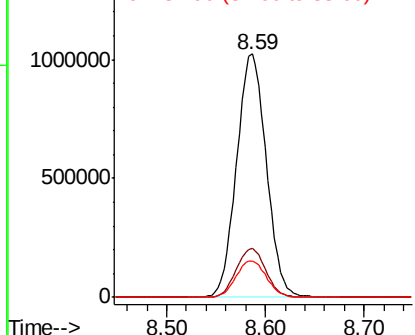
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Instrument :
MSVOA_N
ClientSampleId :
DUP-01

Tot Ion:114 Resp: 2132131
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.8
88 15.1 0.0 31.6

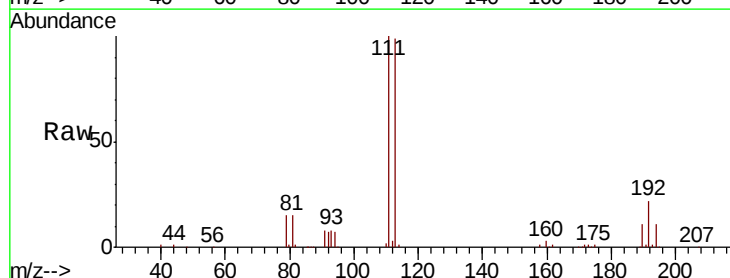


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

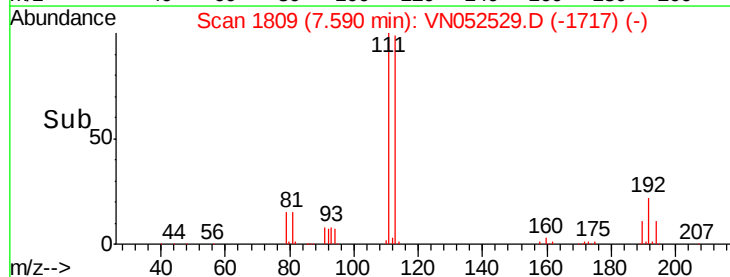
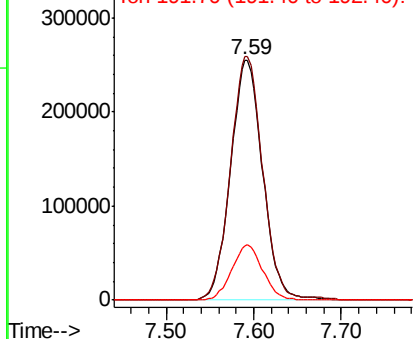


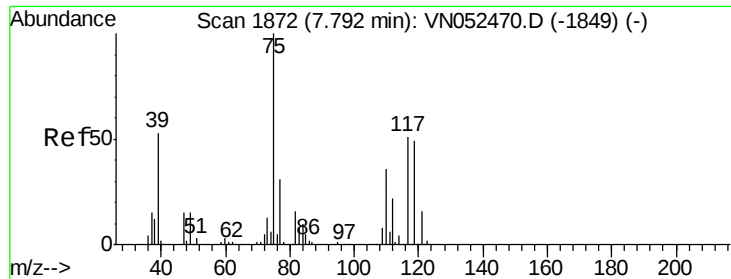
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Tgt Ion:113 Resp: 650396
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 22.2 17.0 25.6



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: 4.723 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052529.D

Acq: 28 Nov 2018 19:28

Instrument :

MSVOA_N

ClientSampled :

DUP-01

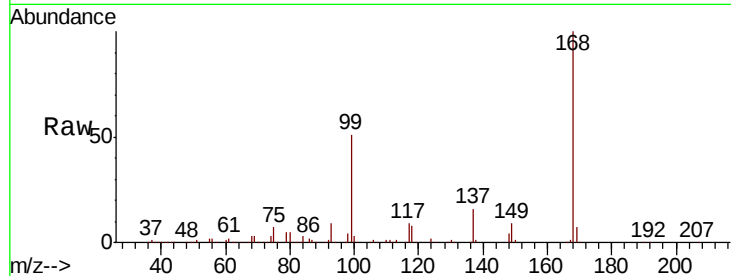
Tot Ion: 75 Resp: 95095

Ion Ratio Lower Upper

75 100

110 8.0 17.5 52.6#

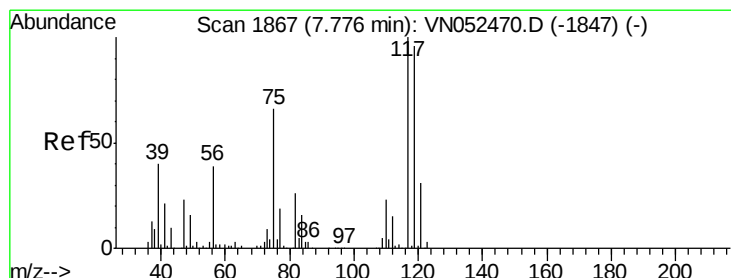
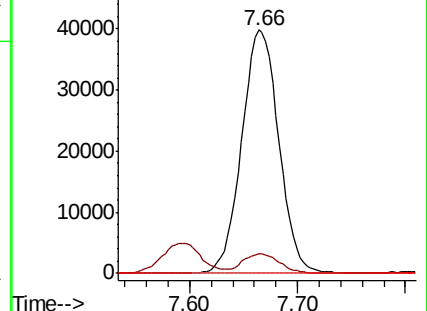
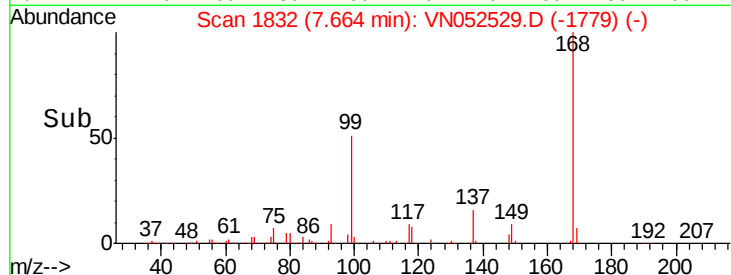
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052529.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052529.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052529.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.759 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052529.D

Acq: 28 Nov 2018 19:28

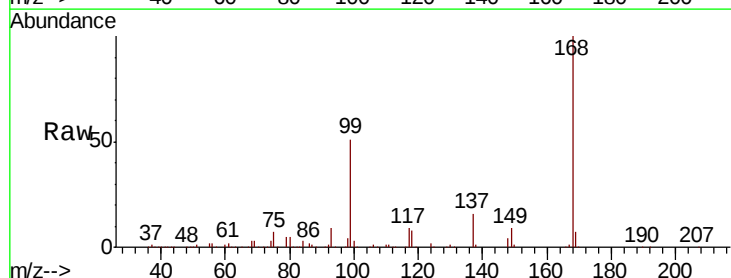
Tgt Ion: 117 Resp: 123187

Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

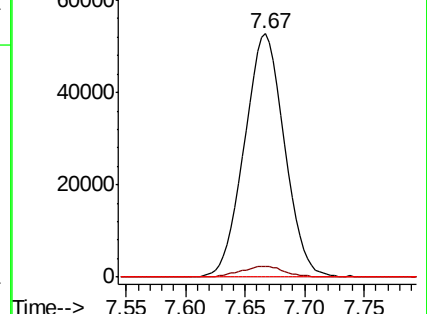
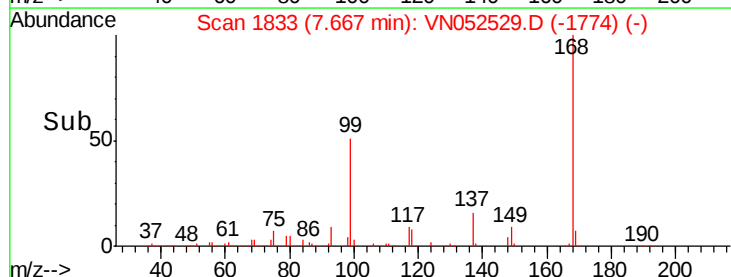
121 0.0 24.9 37.3#

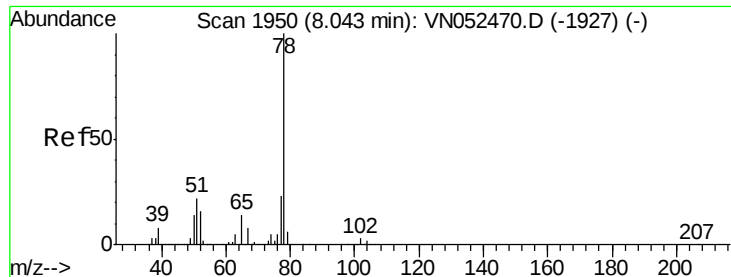


Abundance Ion 116.80 (116.50 to 117.50): VN052529.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052529.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052529.D (-1774) (-)

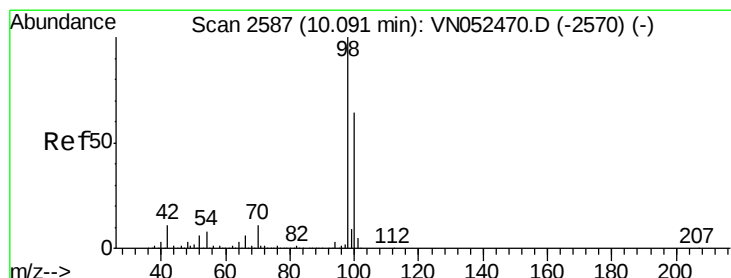
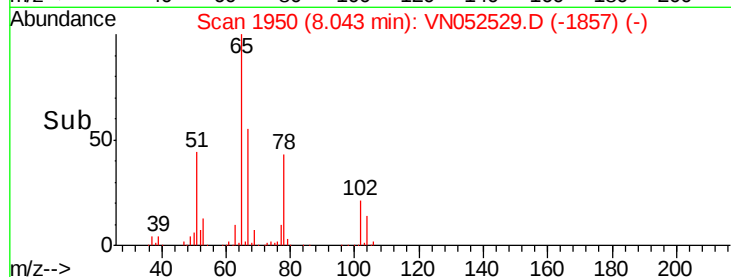
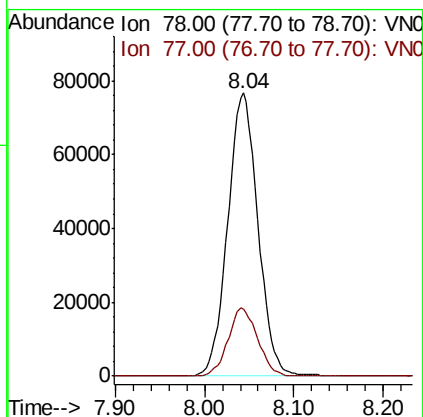
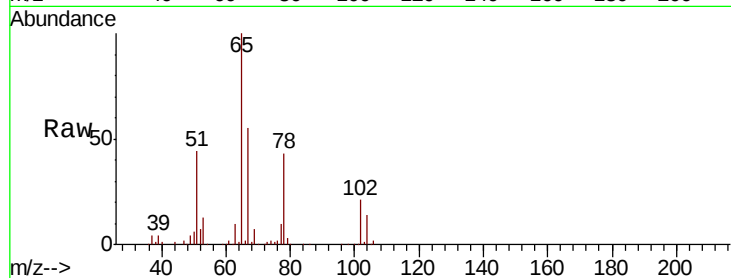




#40
Benzene
Concen: 3.002 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

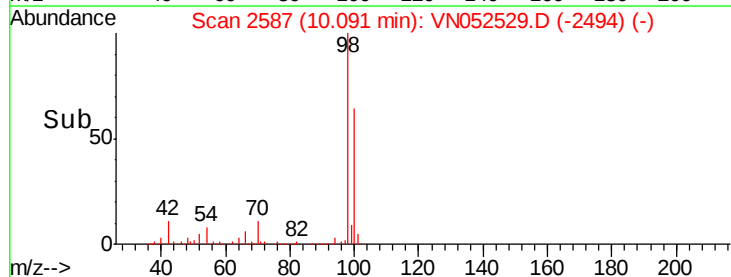
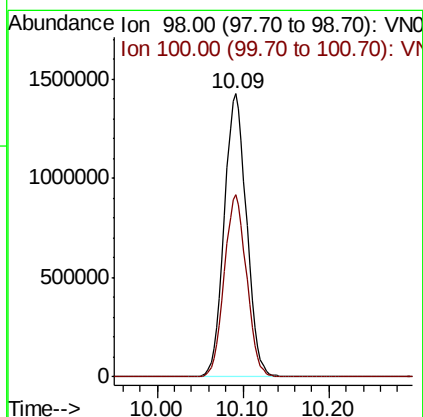
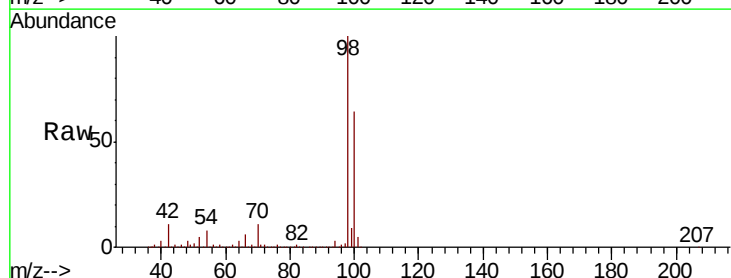
Instrument :
MSVOA_N
ClientSampleId :
DUP-01

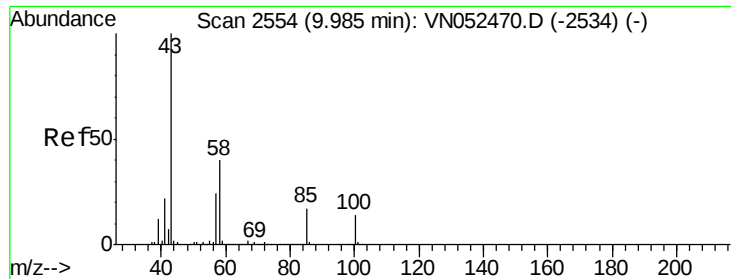
Tot Ion: 78 Resp: 180104
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Tgt Ion: 98 Resp: 2572043
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 0.858 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN052529.D

Acq: 28 Nov 2018 19:28

Instrument :

MSVOA_N

ClientSampled :

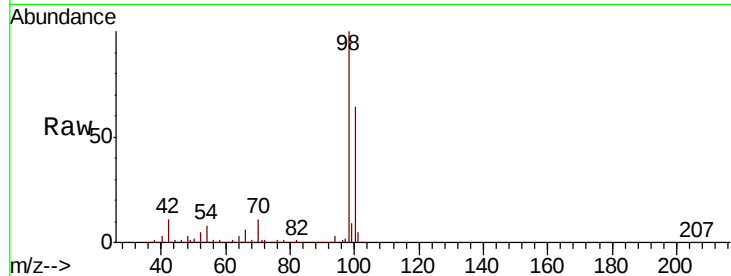
DUP-01

Tot Ion: 43 Resp: 10014

Ion Ratio Lower Upper

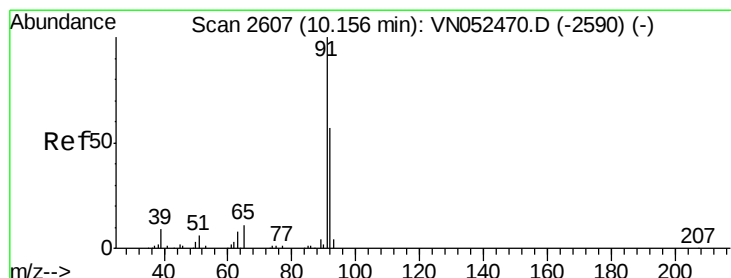
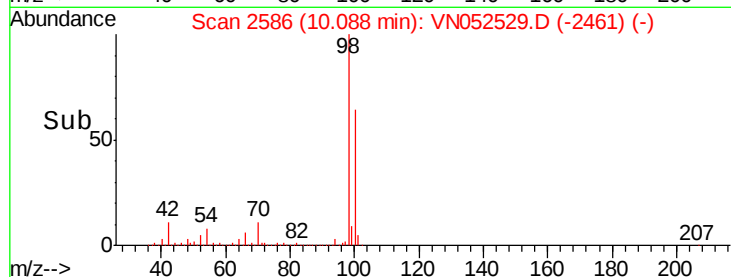
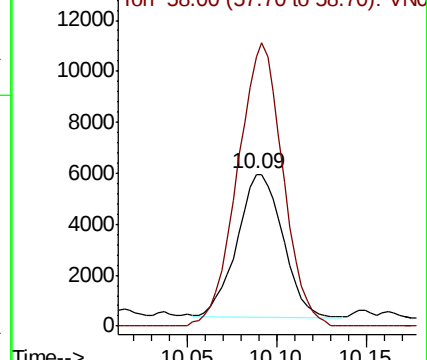
43 100

58 196.9 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.794 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052529.D

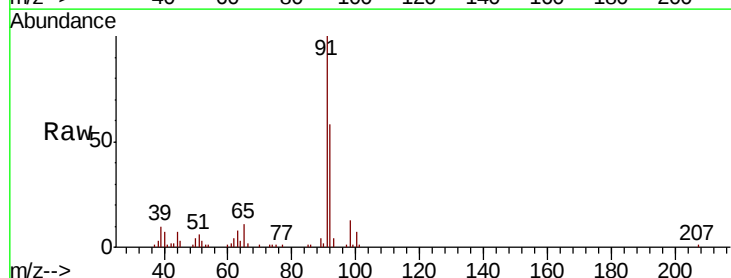
Acq: 28 Nov 2018 19:28

Tgt Ion: 92 Resp: 28324

Ion Ratio Lower Upper

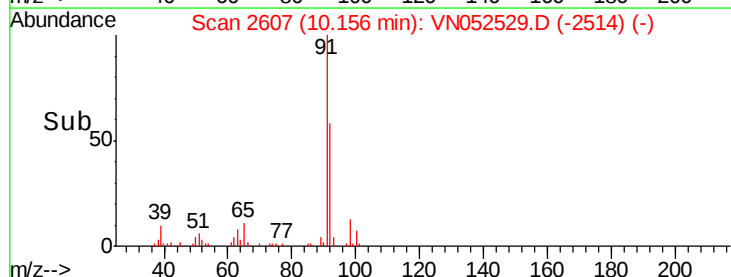
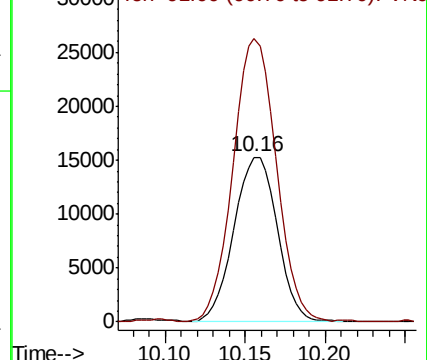
92 100

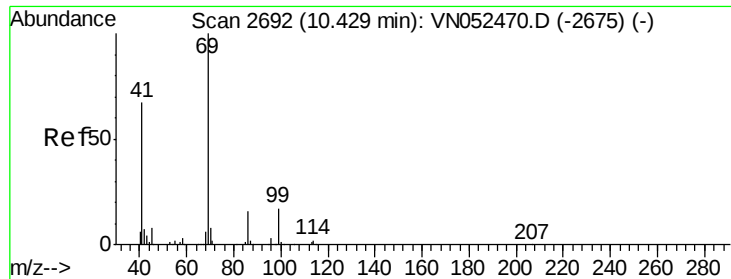
91 171.5 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

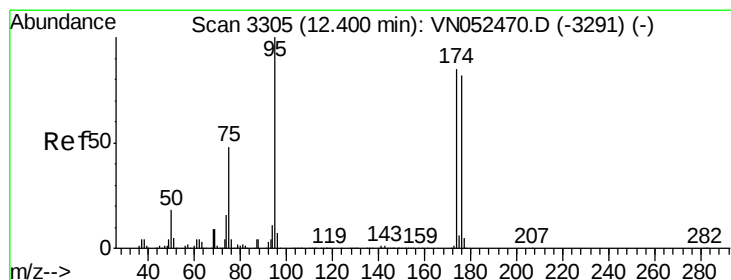
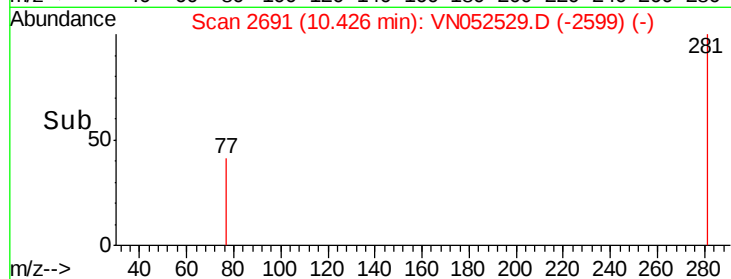
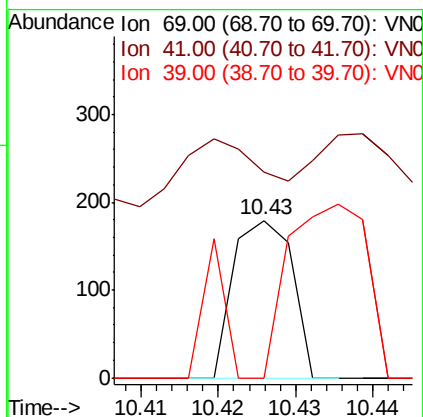
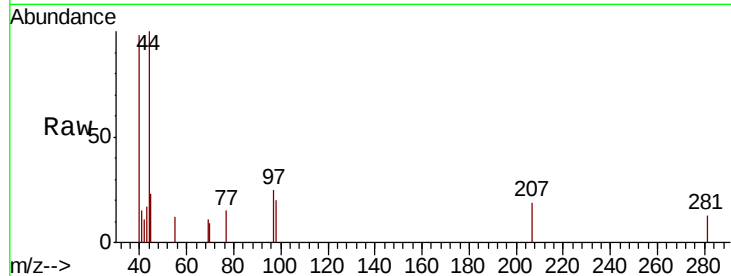




#56
Ethyl methacrylate
Concen: 2.698 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

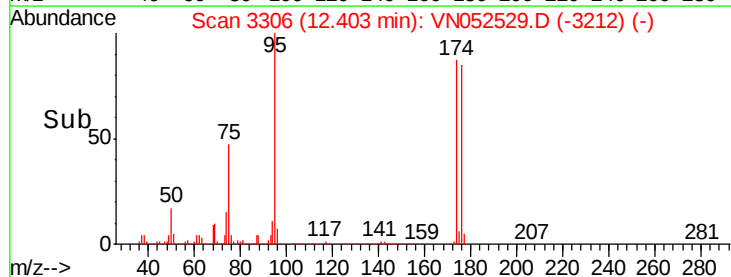
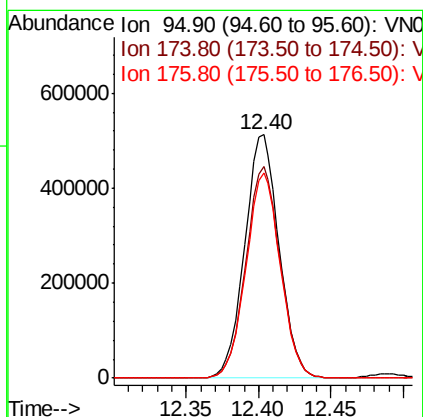
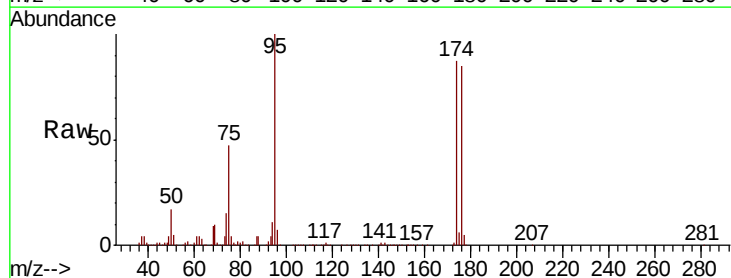
Instrument :
MSVOA_N
ClientSampled :
DUP-01

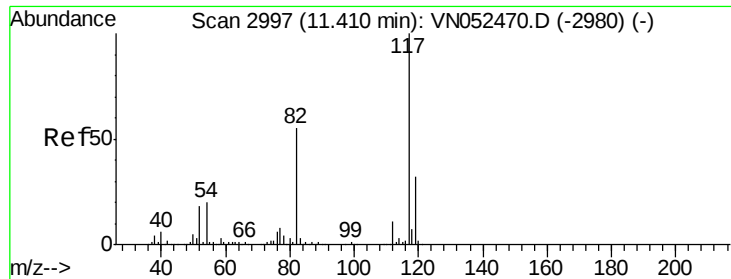
Tot Ion: 69 Resp: 95
Ion Ratio Lower Upper
69 100
41 458.9 52.6 79.0#
39 147.4 25.9 38.9#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Tgt Ion: 95 Resp: 844912
Ion Ratio Lower Upper
95 100
174 87.3 0.0 173.0
176 84.5 0.0 166.2

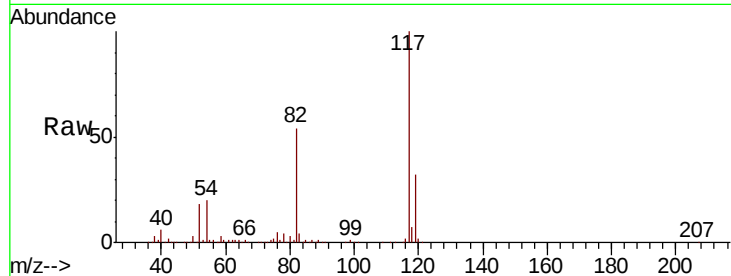




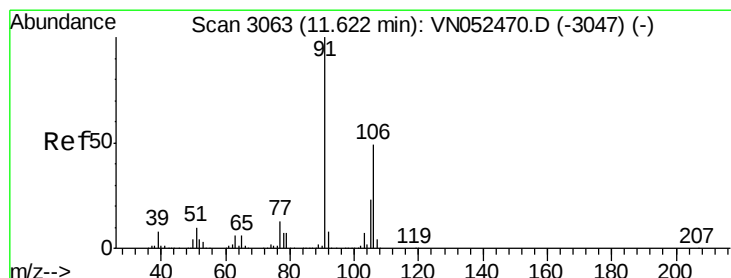
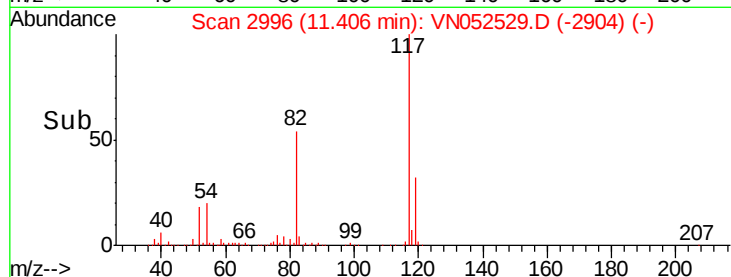
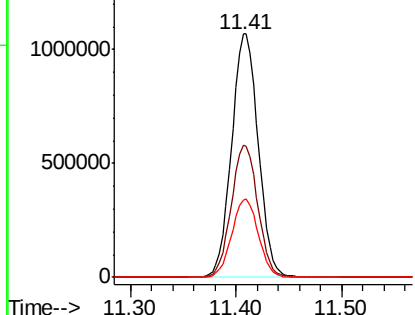
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Instrument :
MSVOA_N
ClientSampled :
DUP-01

Tot Ion:117 Resp: 1864998
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 31.9 25.4 38.2

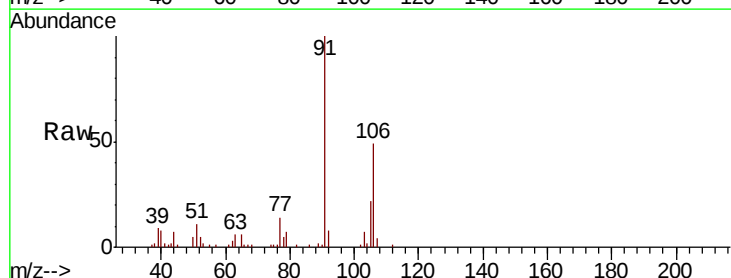


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

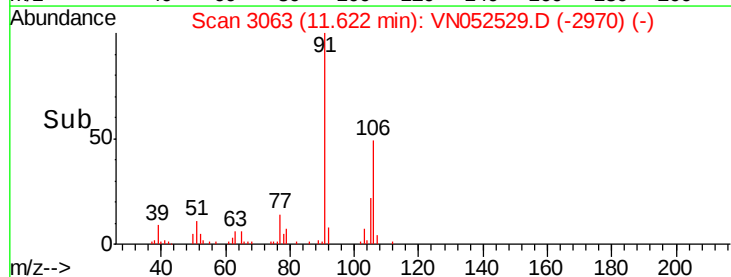
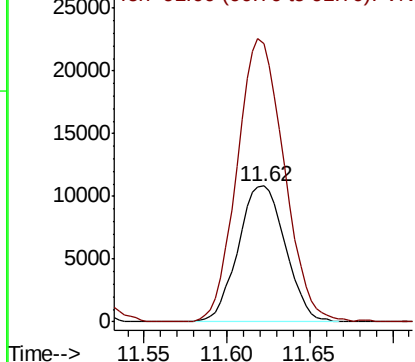


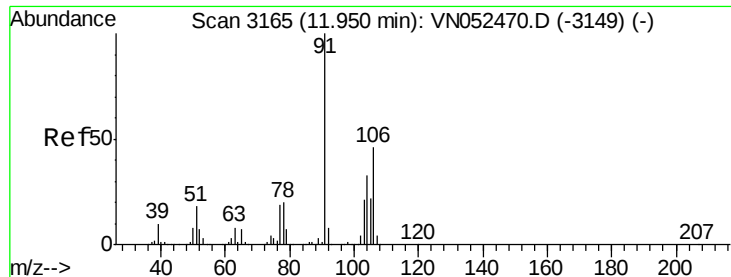
#68
m/p-Xylenes
Concen: 0.857 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Tgt Ion:106 Resp: 21493
Ion Ratio Lower Upper
106 100
91 207.0 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

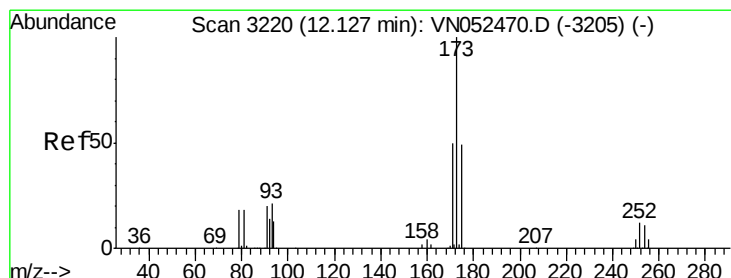
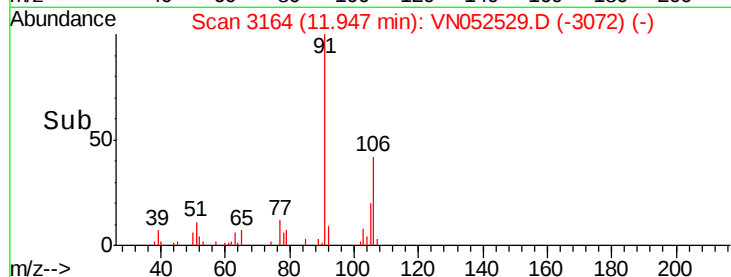
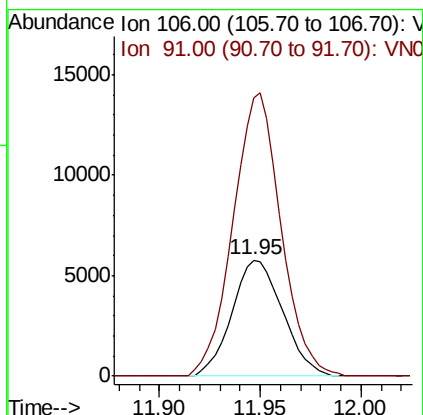
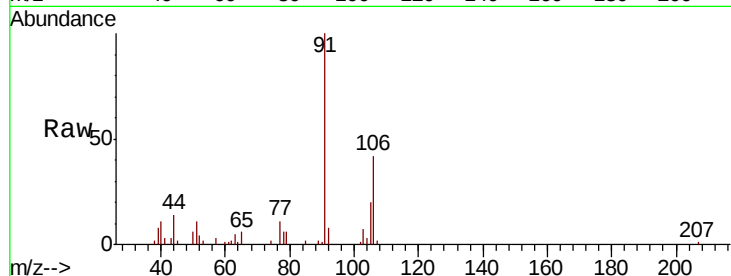




#69
o-Xylene
Concen: 0.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

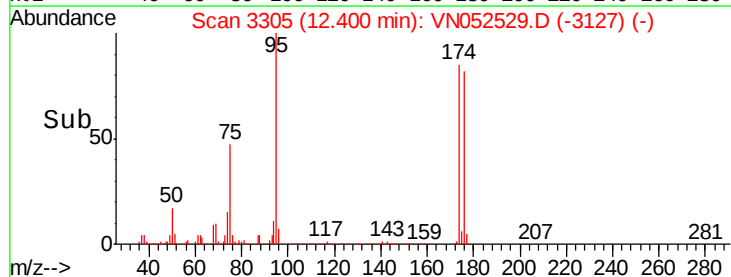
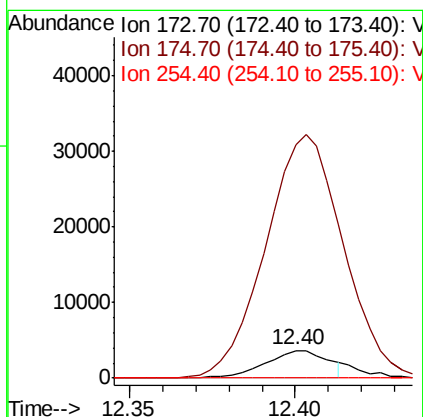
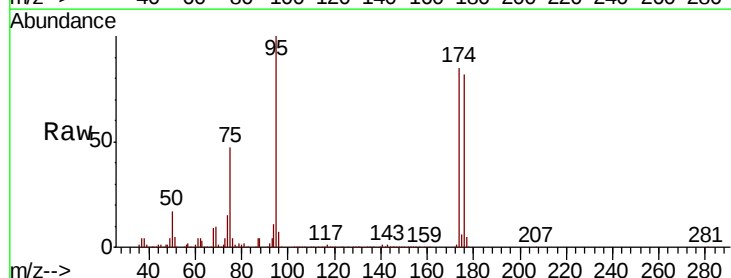
Instrument :
MSVOA_N
ClientSampled :
DUP-01

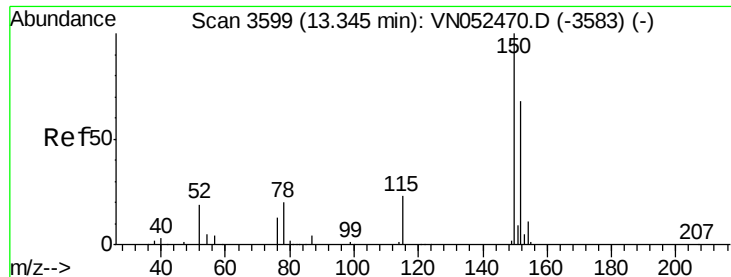
Tot Ion:106 Resp: 10159
Ion Ratio Lower Upper
106 100
91 230.9 107.7 323.1



#71
Bromoform
Concen: 0.551 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052529.D
Acq: 28 Nov 2018 19:28

Tgt Ion:173 Resp: 4876
Ion Ratio Lower Upper
173 100
175 922.4 24.4 73.2#
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: VN052529.D

Acq: 28 Nov 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

DUP-01

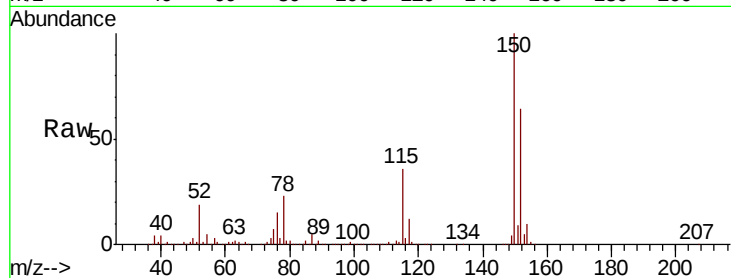
Tot Ion:152 Resp: 743263

Ion Ratio Lower Upper

152 100

115 56.7 28.4 85.2

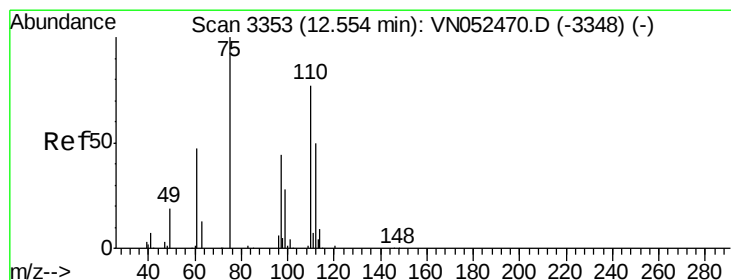
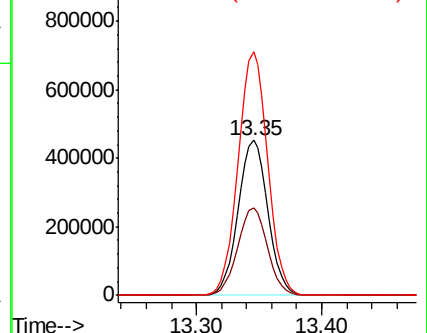
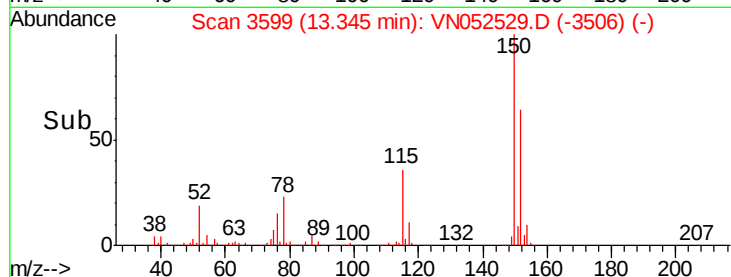
150 156.3 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 34.953 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052529.D

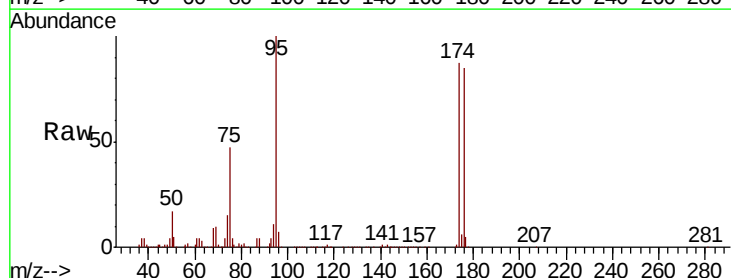
Acq: 28 Nov 2018 19:28

Tgt Ion: 75 Resp: 400614

Ion Ratio Lower Upper

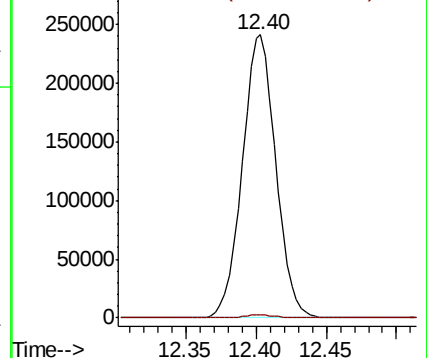
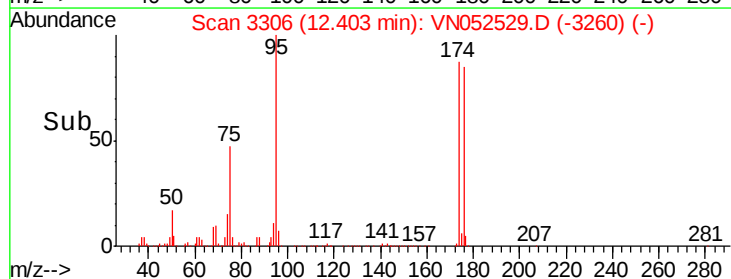
75 100

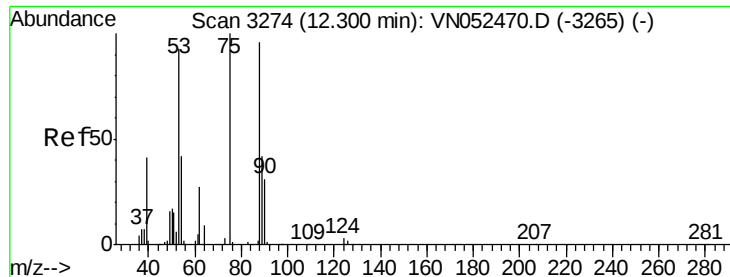
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 116.726 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052529.D

Acq: 28 Nov 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

DUP-01

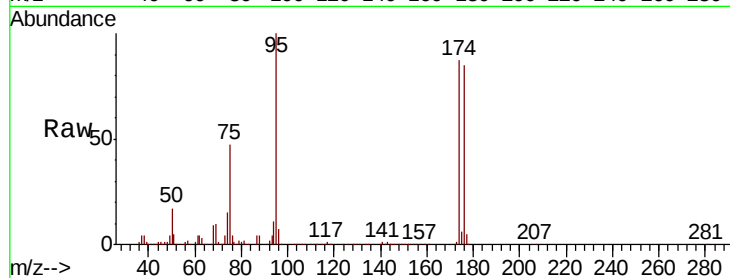
Tot Ion: 75 Resp: 400614

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

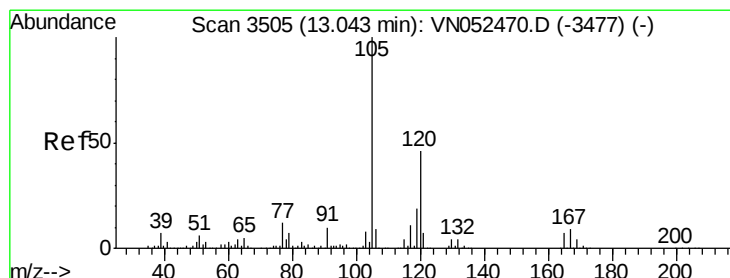
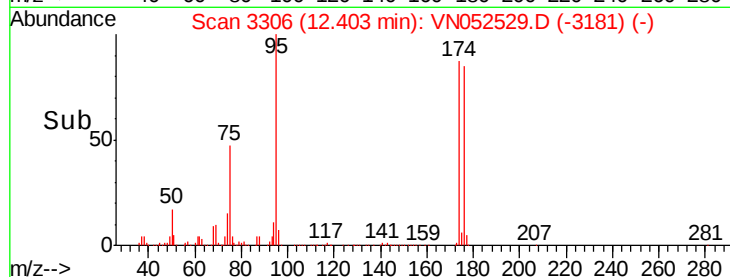
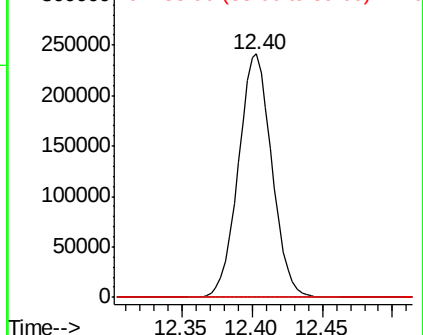
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.405 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN052529.D

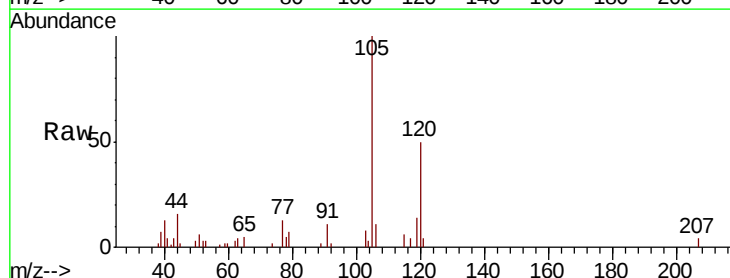
Acq: 28 Nov 2018 19:28

Tgt Ion: 105 Resp: 18874

Ion Ratio Lower Upper

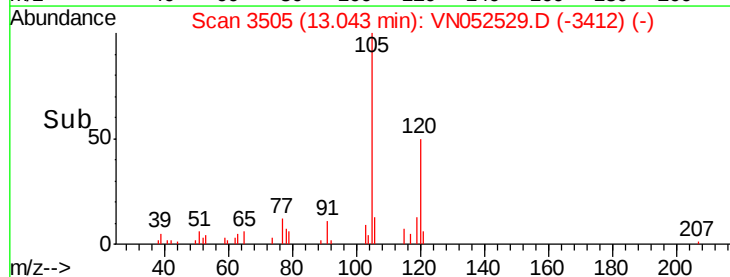
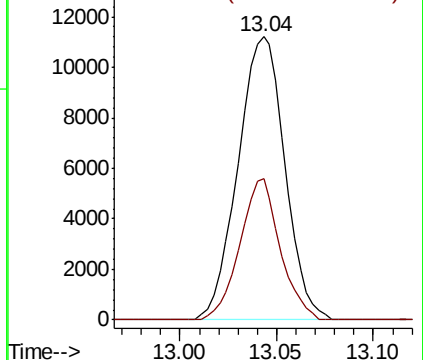
105 100

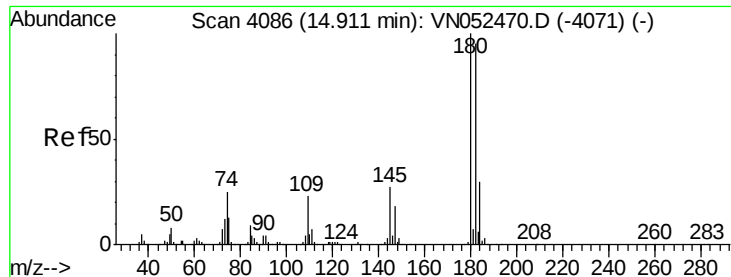
120 42.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

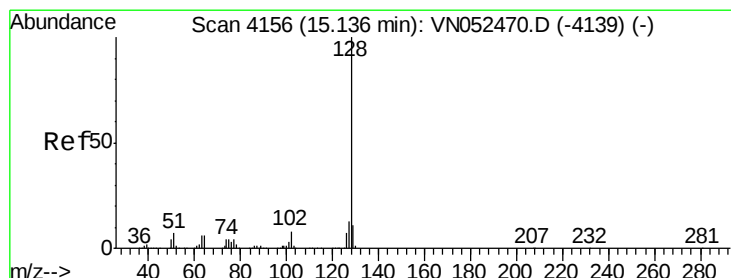
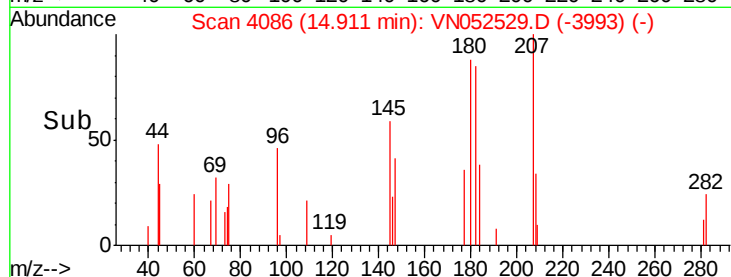
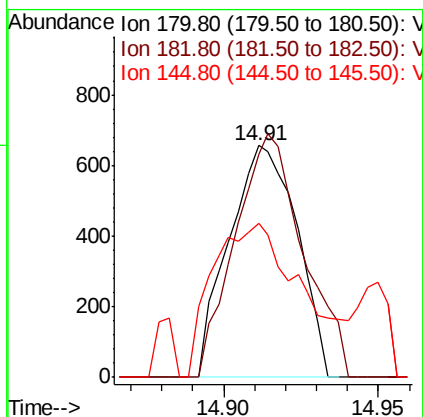
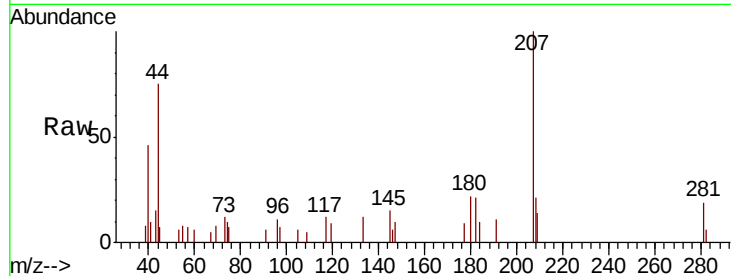




#93
 1,2,4-Trichlorobenzene
 Concen: 2.901 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052529.D
 Acq: 28 Nov 2018 19:28

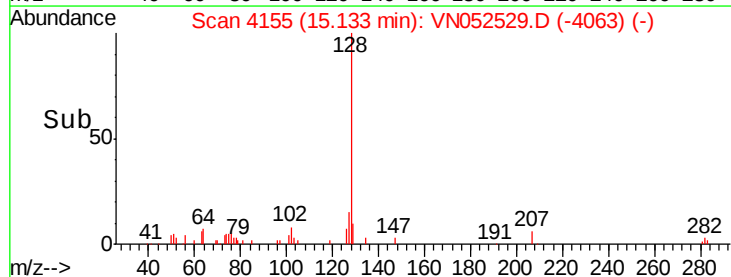
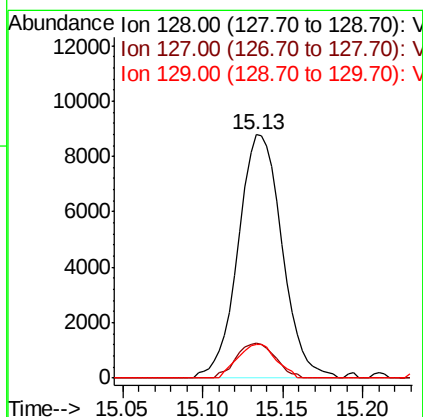
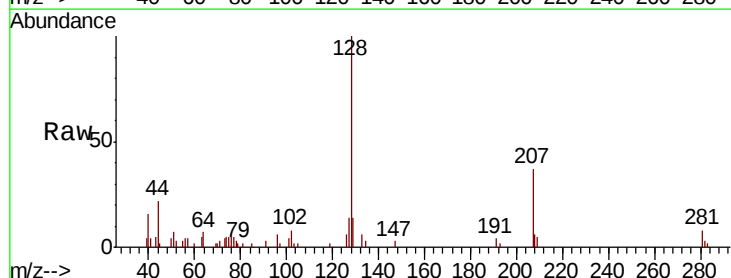
Instrument :
 MSVOA_N
 ClientSampled :
 DUP-01

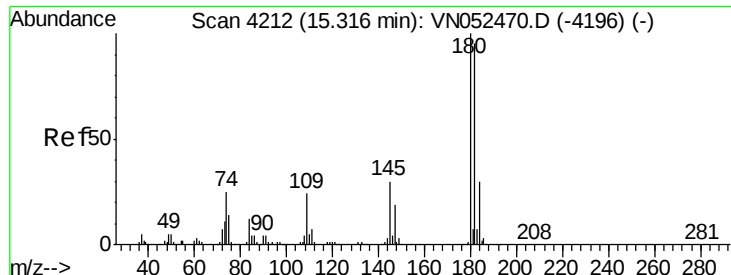
Tot Ion:180 Resp: 1003
 Ion Ratio Lower Upper
 180 100
 182 104.8 47.8 143.4
 145 86.2 14.1 42.3#



#95
 Naphthalene
 Concen: 3.977 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN052529.D
 Acq: 28 Nov 2018 19:28

Tgt Ion:128 Resp: 16489
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.2
 129 12.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.803 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN052529.D
 Acq: 28 Nov 2018 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.8	143.3
145	0.0	15.2	45.5#

