

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052925.D
 Acq On : 17 Dec 2018 14:17
 Operator : MD\SY
 Sample : J6438-16 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:44:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1332693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2047296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1775726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667173	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	673574	47.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.06%	
35) Dibromofluoromethane	7.59	113	516467	45.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.38%	
50) Toluene-d8	10.09	98	2490441	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	785330	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	

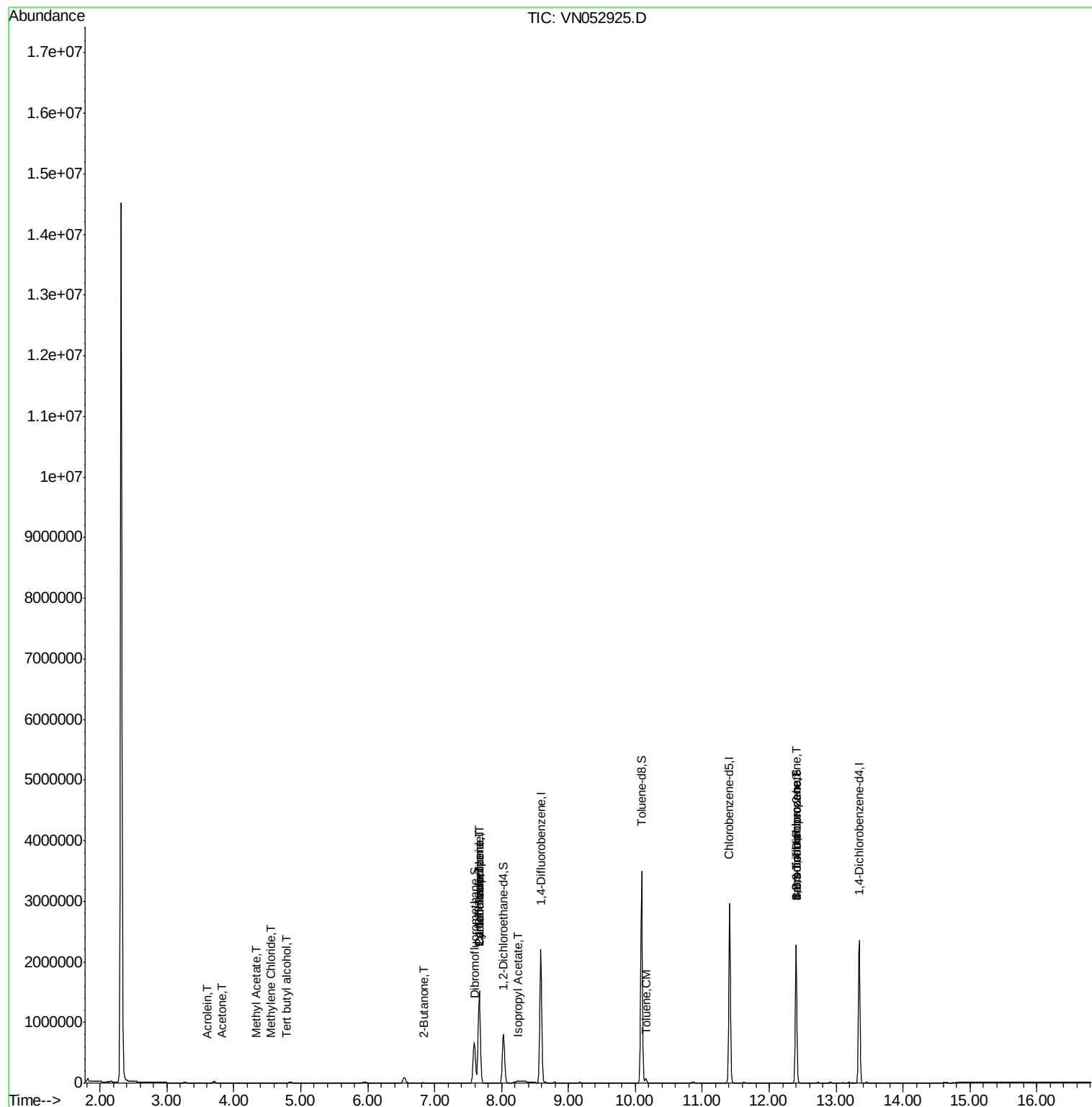
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	275	0.347	ug/l #	74
13) Acrolein	3.61	56	232	0.311	ug/l #	14
16) Acetone	3.82	43	7527	2.365	ug/l #	84
18) Methyl Acetate	4.33	43	4044	0.346	ug/l #	71
20) Methylene Chloride	4.55	84	3303	0.231	ug/l #	76
25) 2-Butanone	6.84	43	2780	0.563	ug/l #	89
31) Cyclohexane	7.67	56	22024	0.341	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	88482	4.693	ug/l #	44
38) Carbon Tetrachloride	7.67	117	118911	6.852	ug/l #	16
43) Isopropyl Acetate	8.23	43	31590	1.360	ug/l #	53
52) Toluene	10.16	92	28787	0.840	ug/l	100
71) Bromoform	12.40	173	4801	0.552	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	368146	37.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	368146	120.148	ug/l #	12

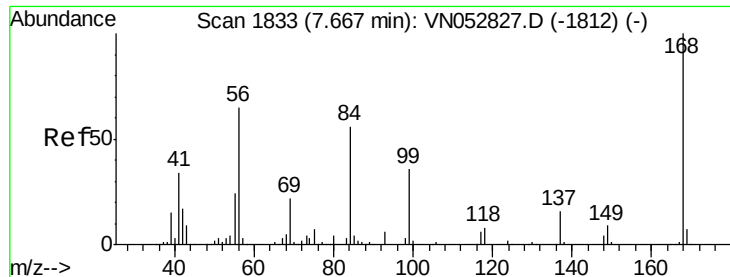
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 13 01:08:35 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: VN052925.D

Acq: 17 Dec 2018 14:17

Instrument :

MSVOA_N

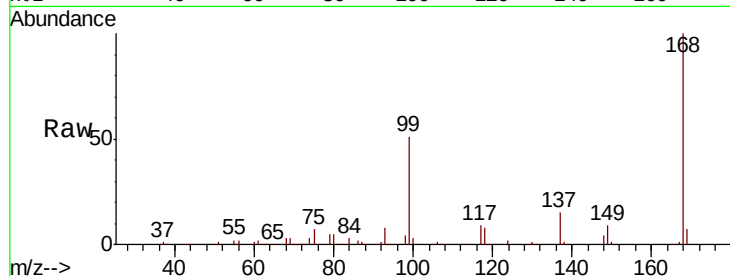
ClientSampleId :

Tot Ion:168 Resp: 1332693

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

600000

500000

400000

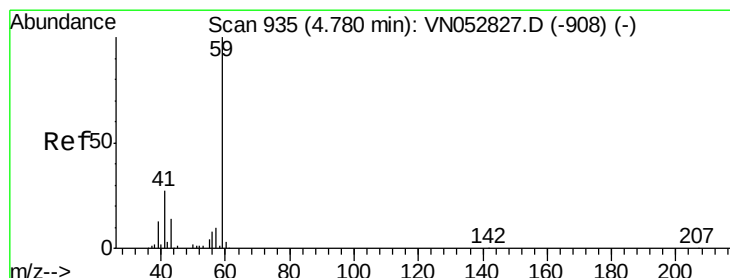
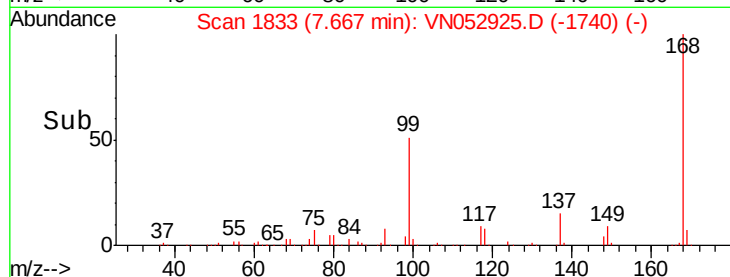
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.347 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052925.D

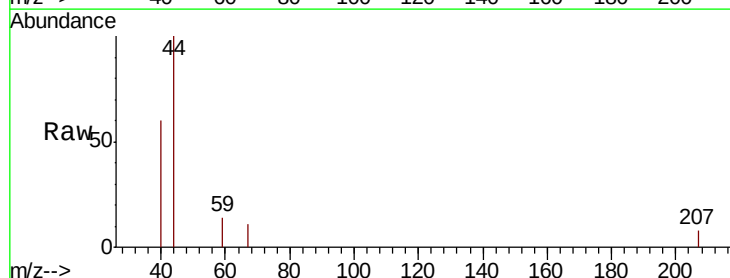
Acq: 17 Dec 2018 14:17

Tgt Ion: 59 Resp: 275

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052827.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN052827.D (-908) (-)

4.78

300

250

200

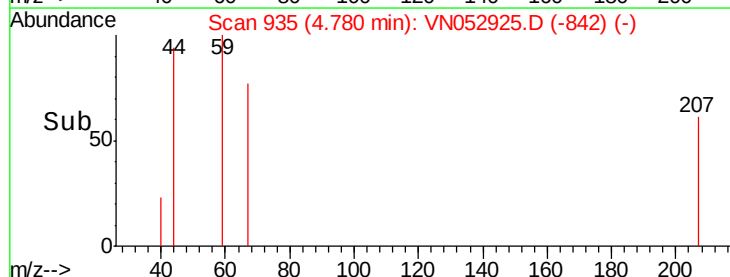
150

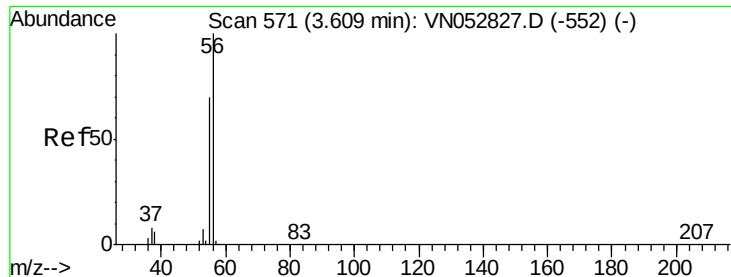
100

50

0

Time-->





#13

Acrolein

Concen: 0.311 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

Instrument :

MSVOA_N

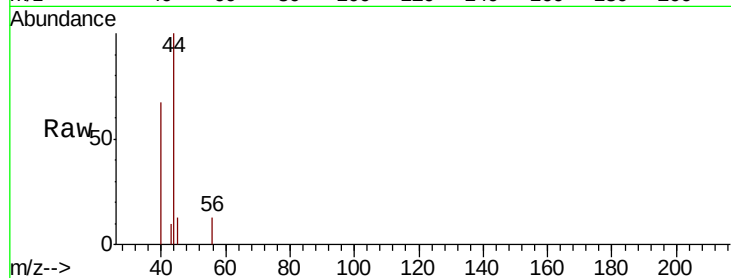
ClientSampled :

Tot Ion: 56 Resp: 232

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

250

200

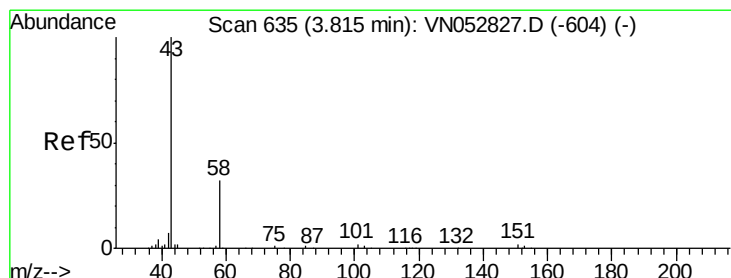
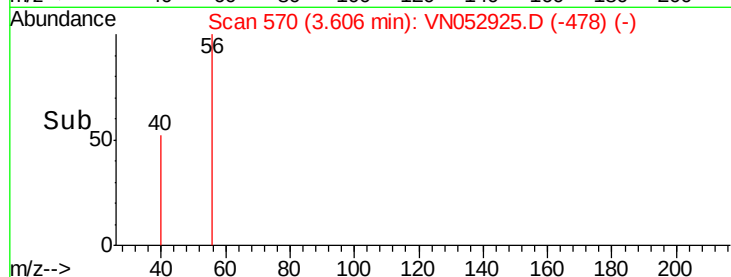
150

100

50

0

Time-->



#16

Acetone

Concen: 2.365 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052925.D

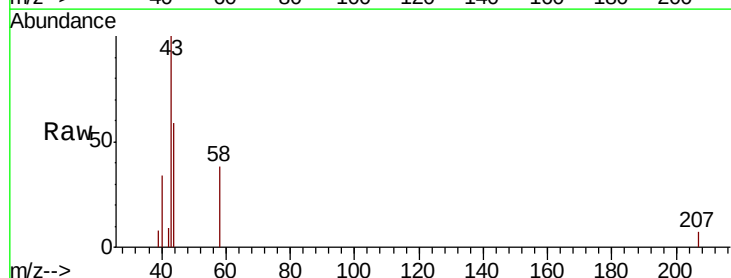
Acq: 17 Dec 2018 14:17

Tgt Ion: 43 Resp: 7527

Ion Ratio Lower Upper

43 100

58 40.6 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

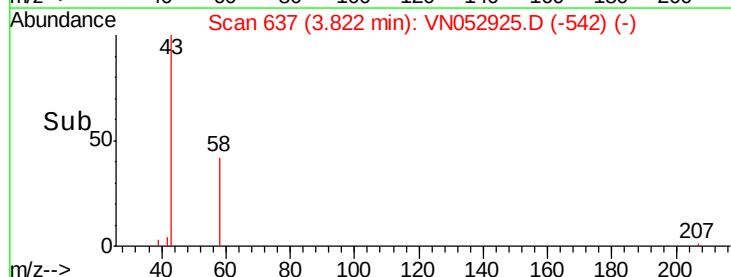
6000

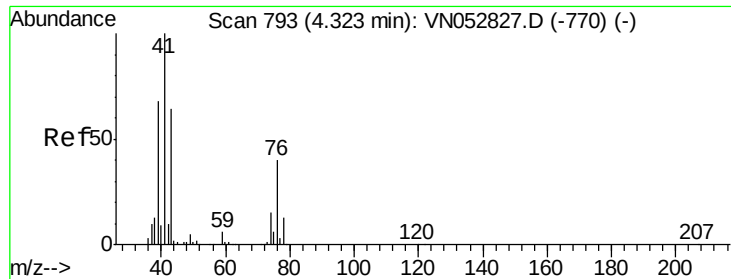
4000

2000

0

Time-->

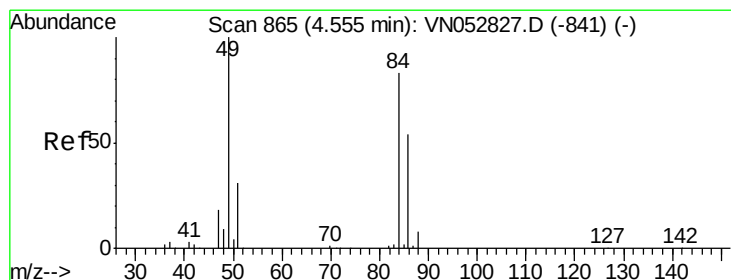
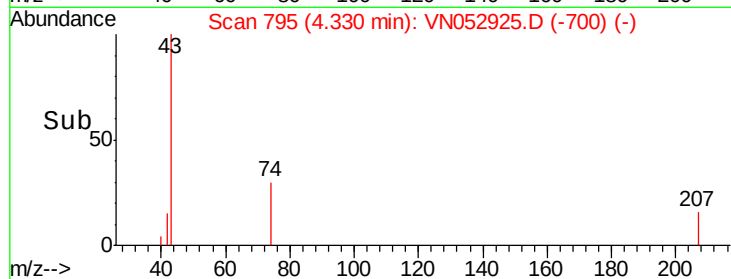
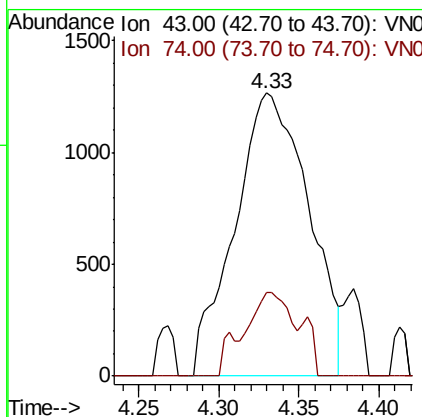
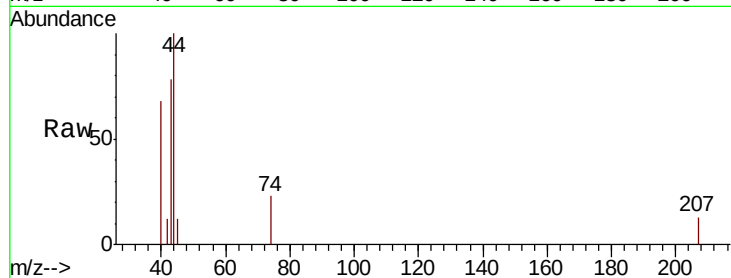




#18
Methyl Acetate
Concen: 0.346 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052925.D
Acq: 17 Dec 2018 14:17

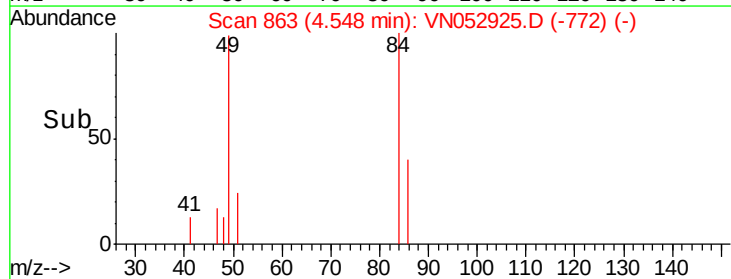
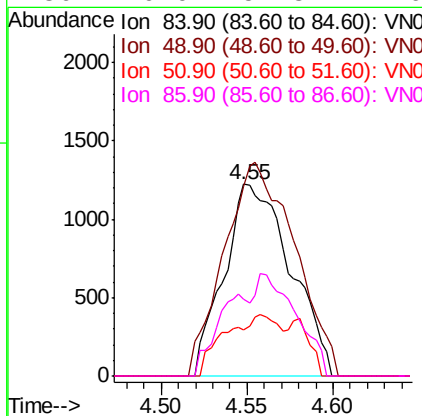
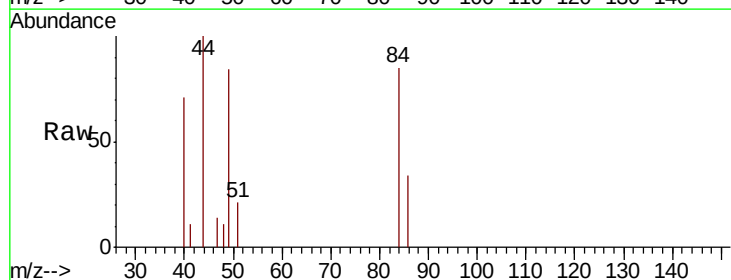
Instrument :
MSVOA_N
ClientSampled :

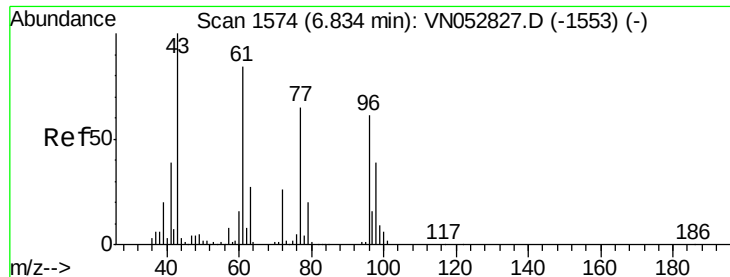
Tot Ion: 43 Resp: 4044
Ion Ratio Lower Upper
43 100
74 9.5 19.2 28.8#



#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052925.D
Acq: 17 Dec 2018 14:17

Tgt Ion: 84 Resp: 3303
Ion Ratio Lower Upper
84 100
49 98.8 96.8 145.2
51 24.3 29.9 44.9#
86 40.0 51.8 77.6#





#25

2-Butanone

Concen: 0.563 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

Instrument :

MSVOA_N

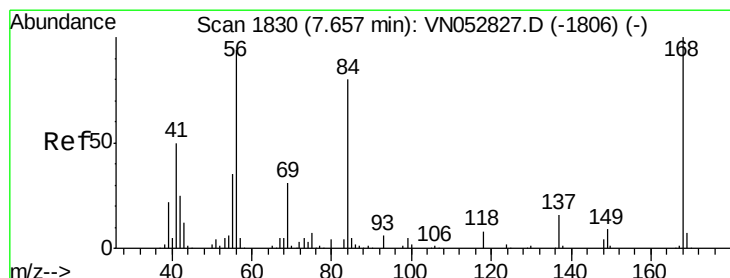
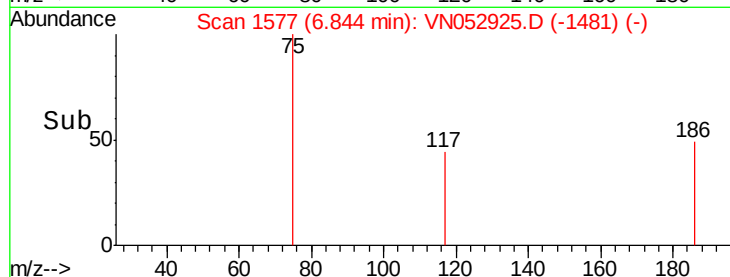
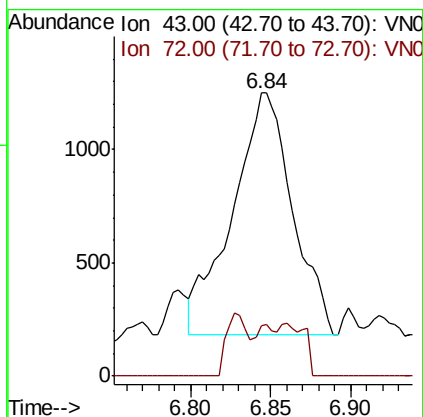
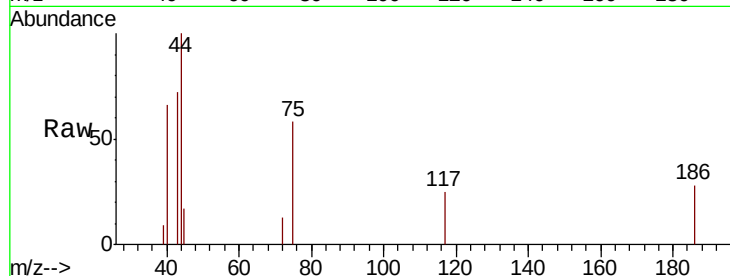
ClientSampled :

Tot Ion: 43 Resp: 2780

Ion Ratio Lower Upper

43 100

72 20.7 21.0 31.6#



#31

Cyclohexane

Concen: 0.341 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

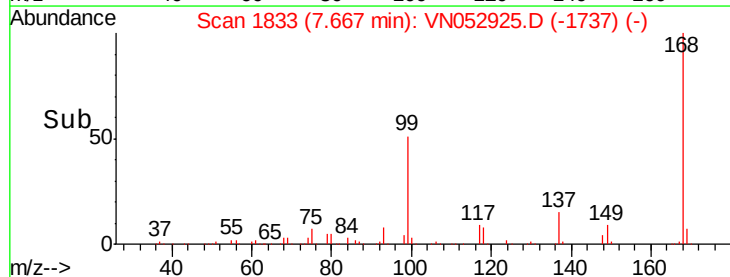
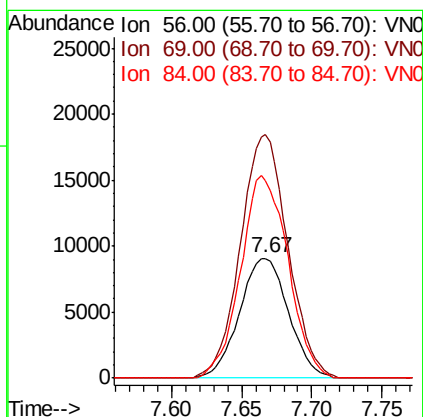
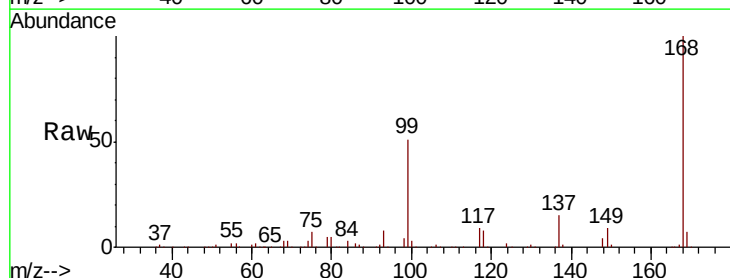
Tgt Ion: 56 Resp: 22024

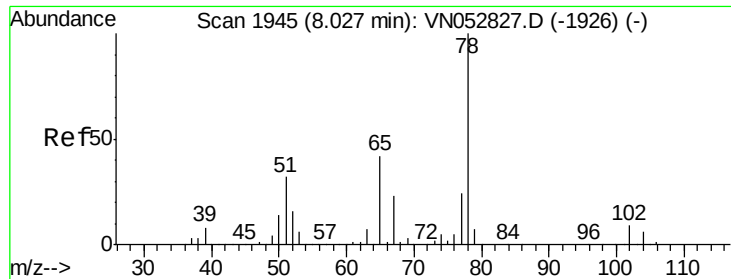
Ion Ratio Lower Upper

56 100

69 202.9 26.6 39.8#

84 164.9 68.4 102.6#

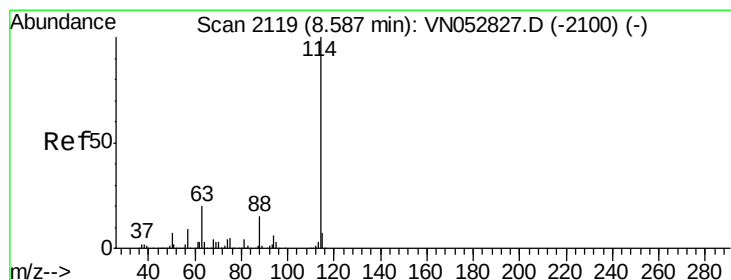
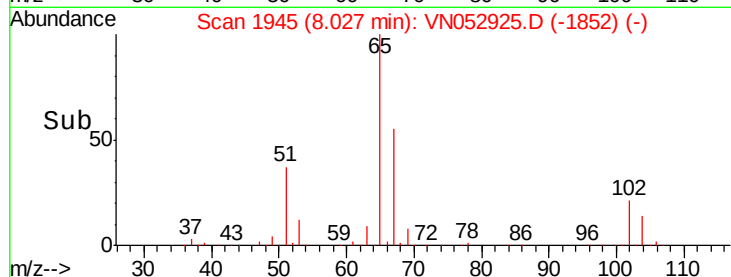
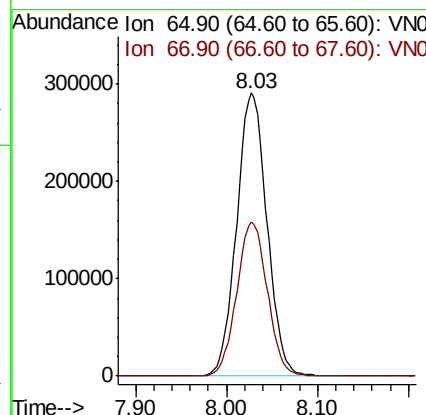
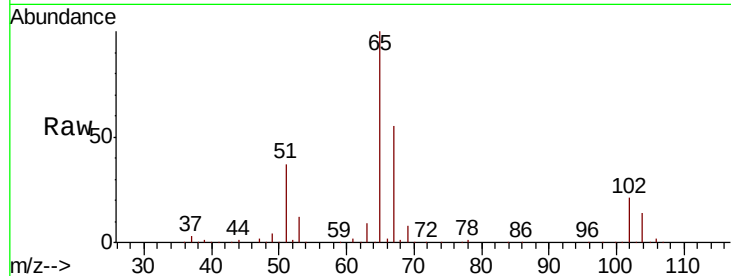




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052925.D
 Acq: 17 Dec 2018 14:17

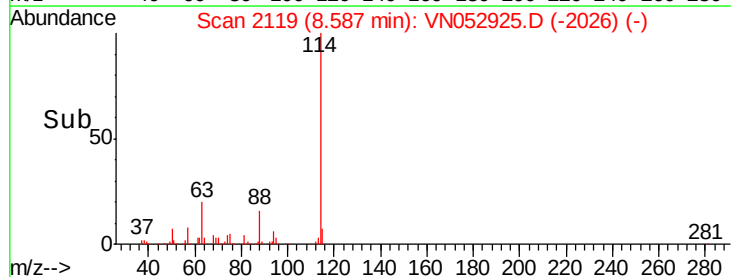
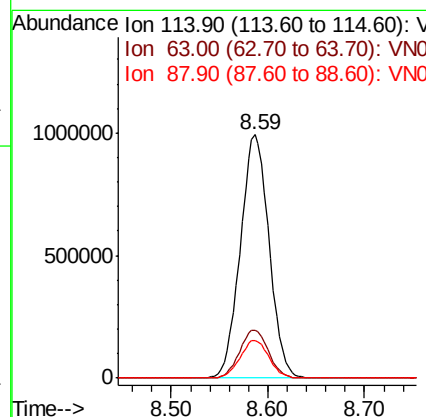
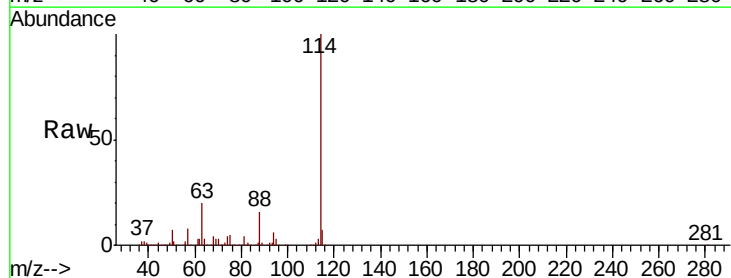
Instrument :
 MSVOA_N
 ClientSampleId :

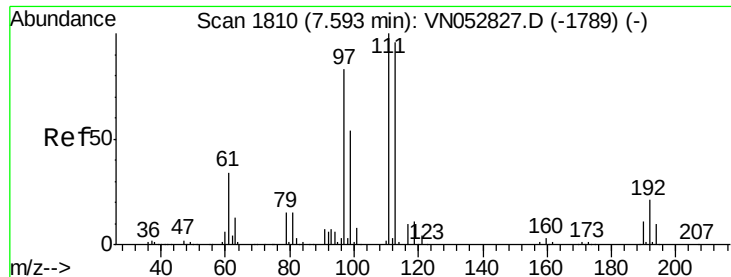
Tot Ion: 65 Resp: 673574
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052925.D
 Acq: 17 Dec 2018 14:17

Tgt Ion: 114 Resp: 2047296
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.6 0.0 31.0

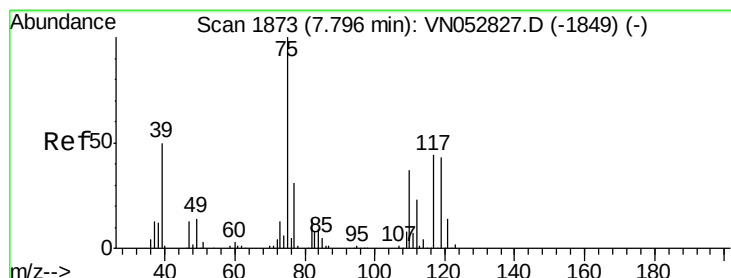
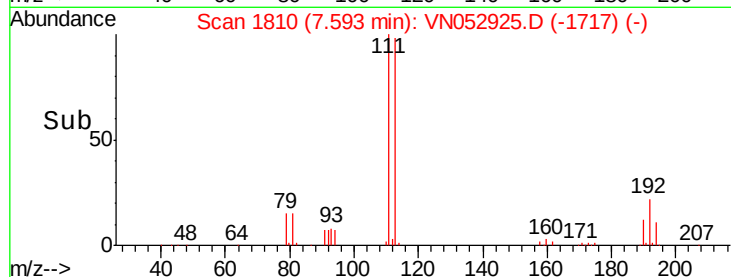
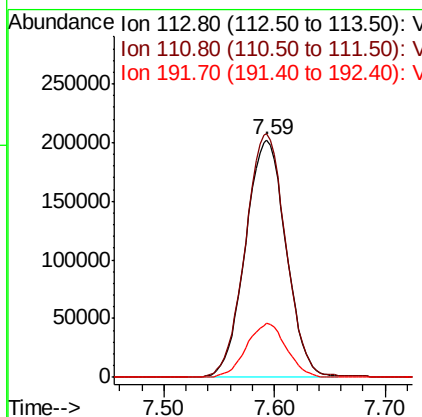
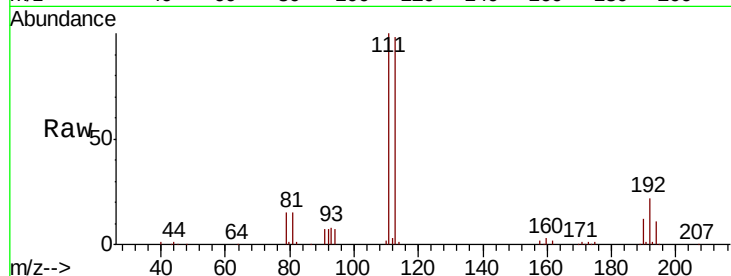




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052925.D
 Acq: 17 Dec 2018 14:17

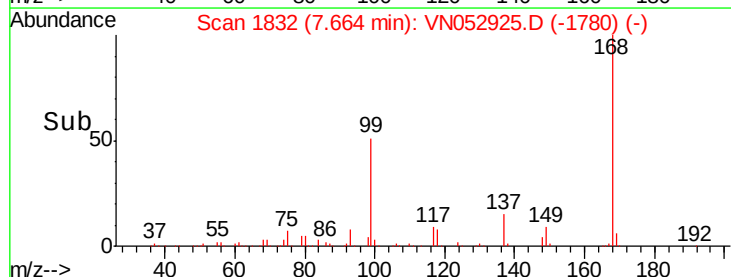
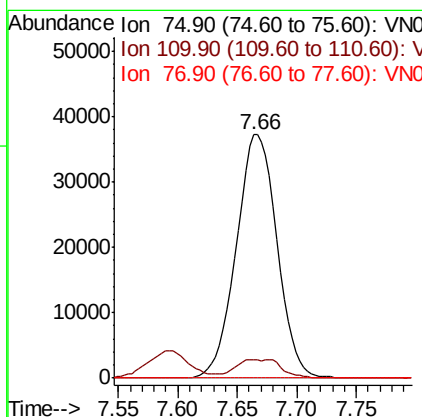
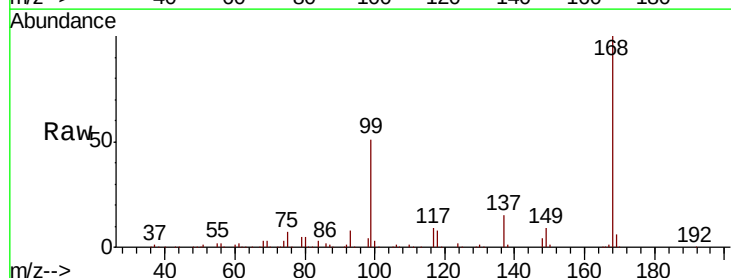
Instrument :
 MSVOA_N
 ClientSampled :

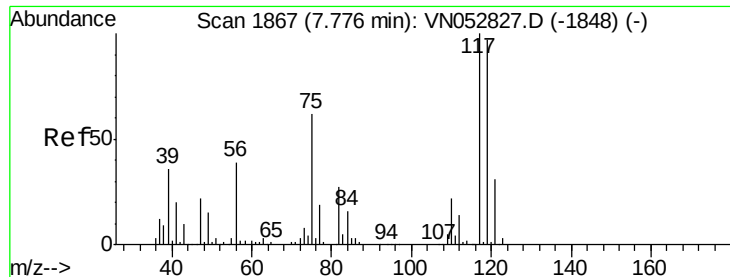
Tot Ion:113 Resp: 516467
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.4
 192 22.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.693 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052925.D
 Acq: 17 Dec 2018 14:17

Tgt Ion: 75 Resp: 88482
 Ion Ratio Lower Upper
 75 100
 110 3.6 18.2 54.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.852 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

Instrument :

MSVOA_N

ClientSampled :

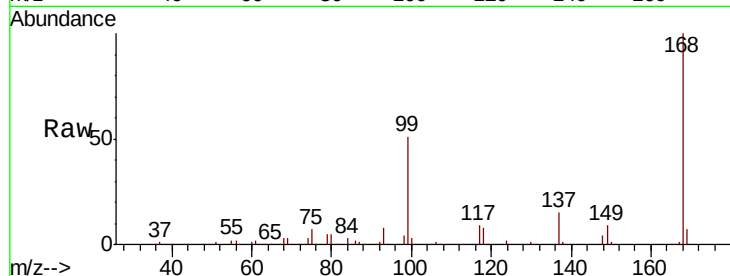
Tot Ion:117 Resp: 118911

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

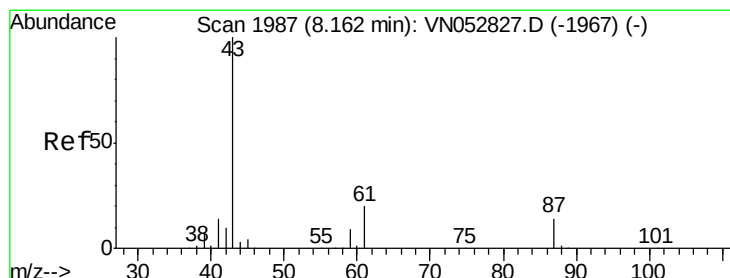
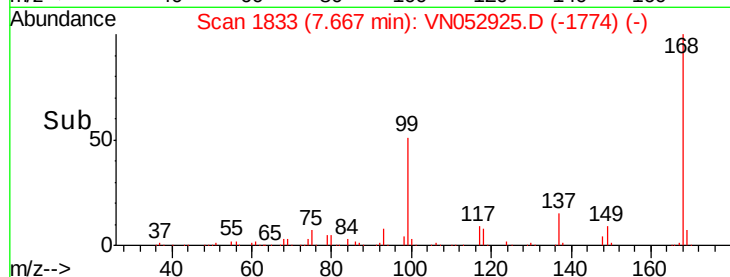
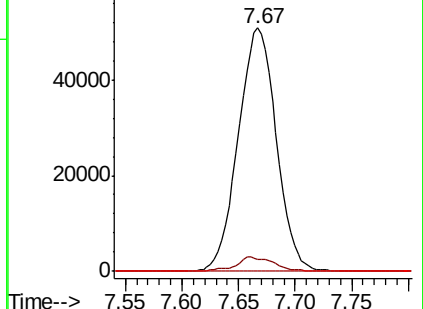
121 0.0 24.9 37.3#



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: 1.360 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

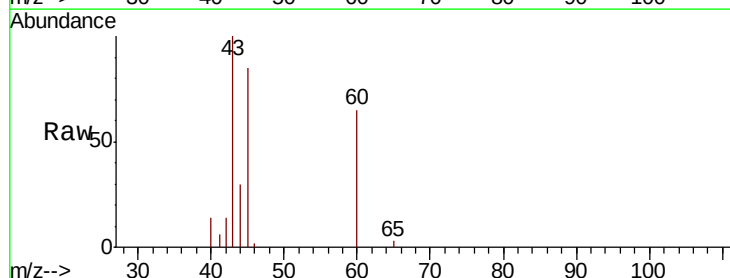
Tgt Ion: 43 Resp: 31590

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

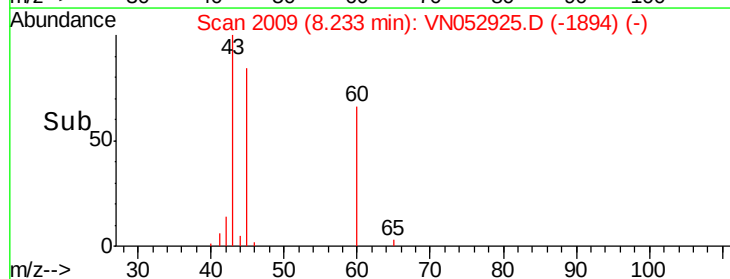
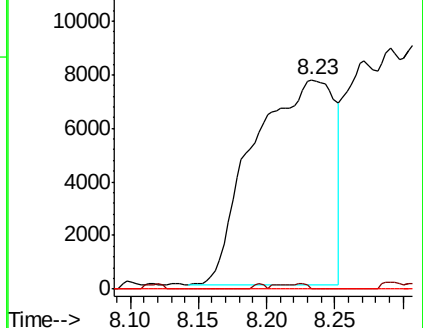
87 0.0 10.6 15.8#

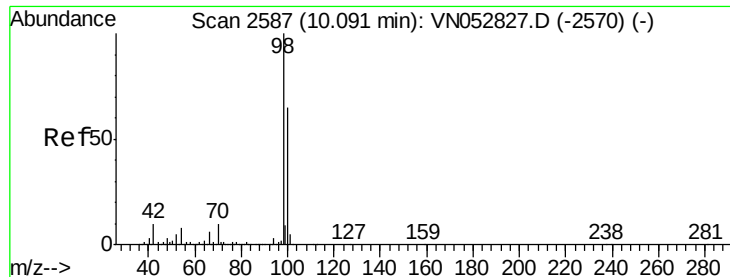


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

Instrument :

MSVOA_N

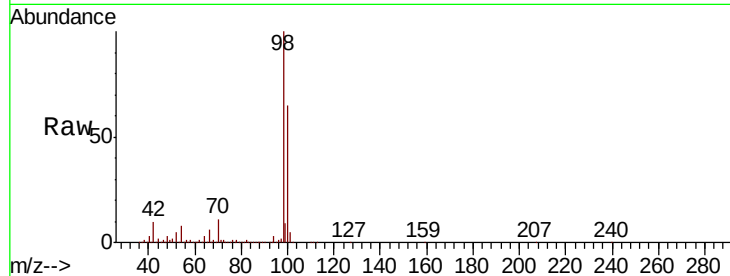
ClientSampleId :

Tot Ion: 98 Resp: 2490441

Ion Ratio Lower Upper

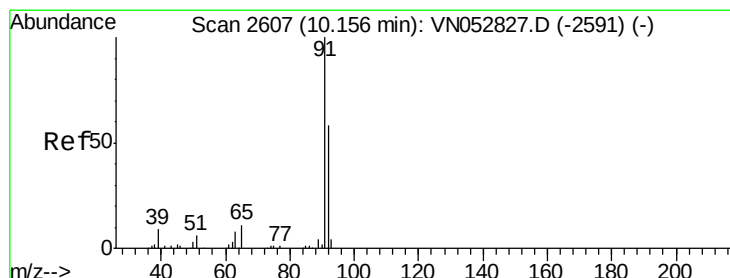
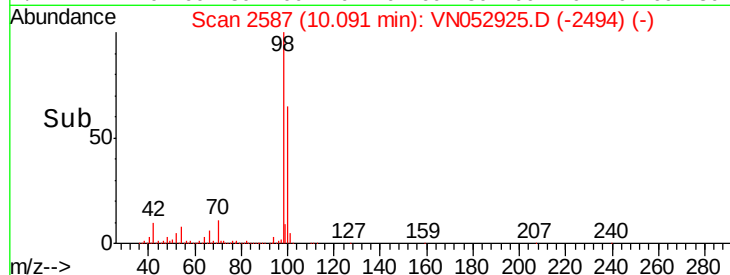
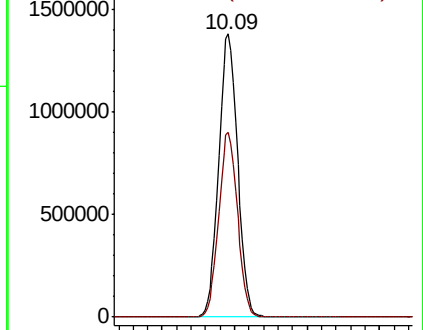
98 100

100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 0.840 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN052925.D

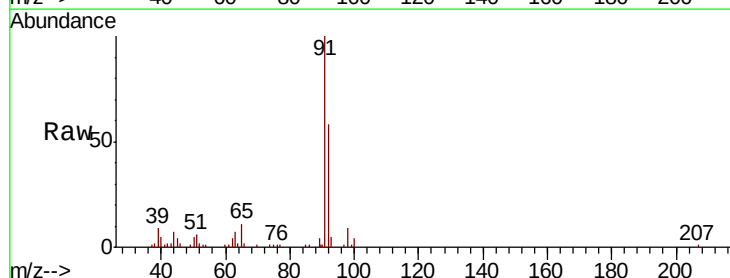
Acq: 17 Dec 2018 14:17

Tgt Ion: 92 Resp: 28787

Ion Ratio Lower Upper

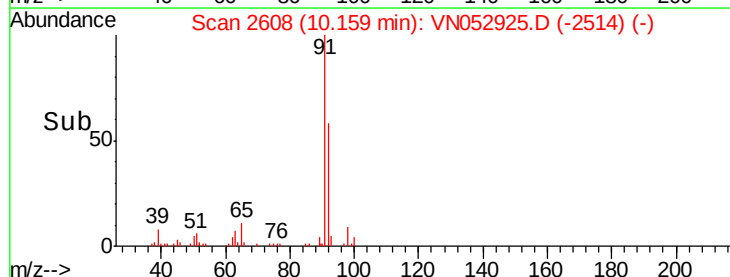
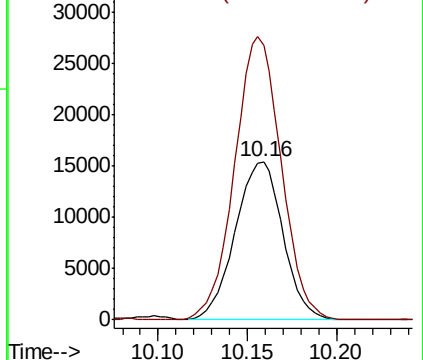
92 100

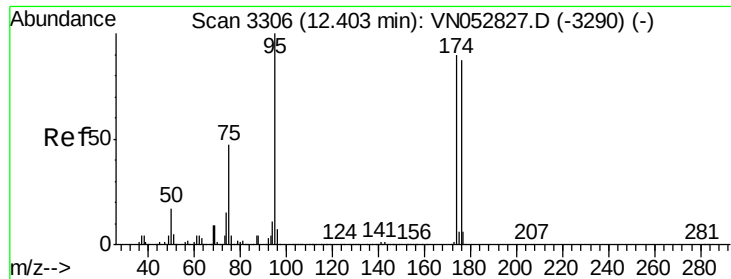
91 175.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

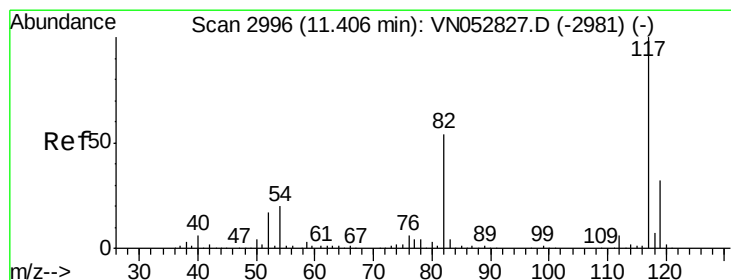
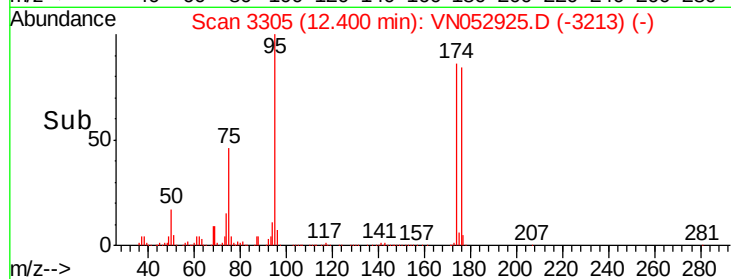
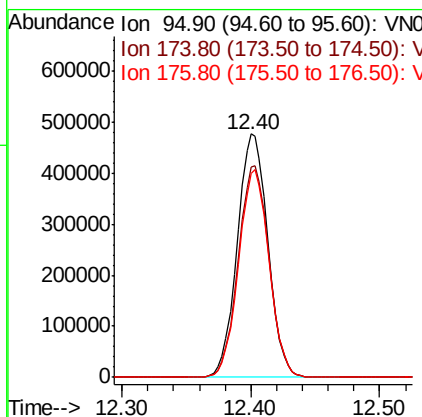
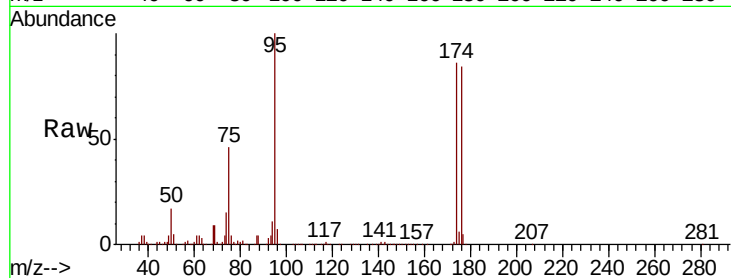




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052925.D
Acq: 17 Dec 2018 14:17

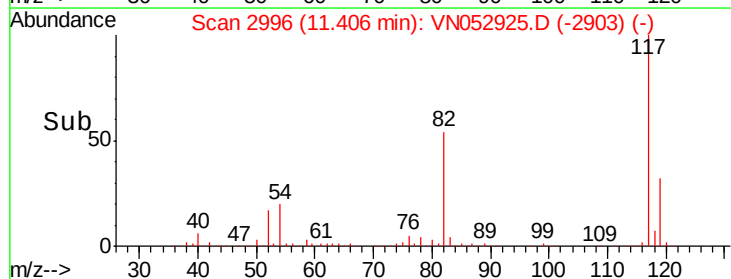
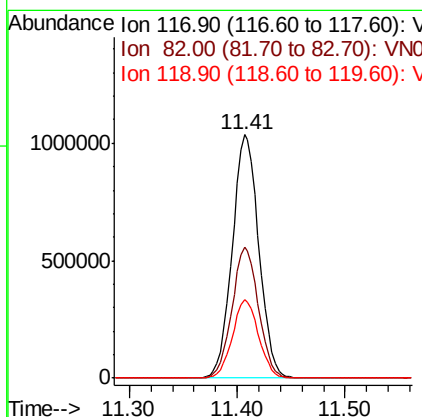
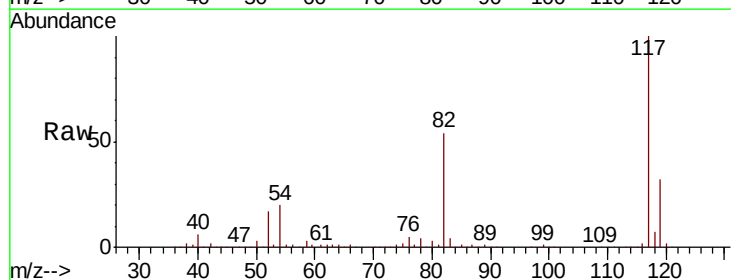
Instrument :
MSVOA_N
ClientSampleId :

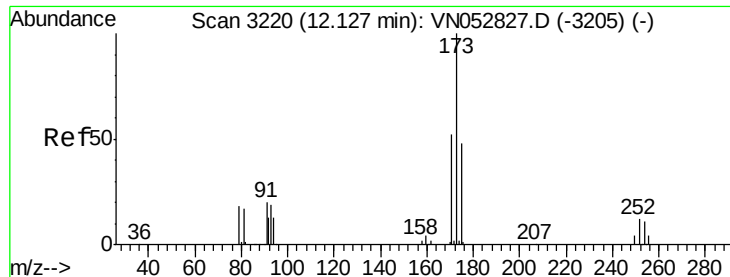
Tot Ion: 95 Resp: 785330
Ion Ratio Lower Upper
95 100
174 87.7 0.0 178.8
176 85.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052925.D
Acq: 17 Dec 2018 14:17

Tgt Ion: 117 Resp: 1775726
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.0 25.5 38.3





#71

Bromoform

Concen: 0.552 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

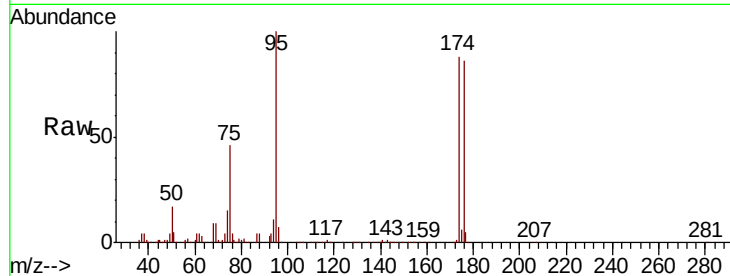
Tot Ion:173 Resp: 4801

Ion Ratio Lower Upper

173 100

175 909.4 24.3 72.9#

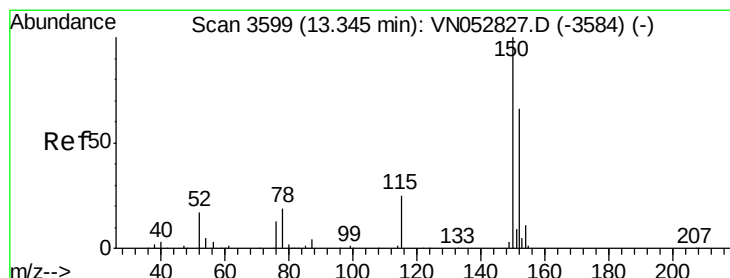
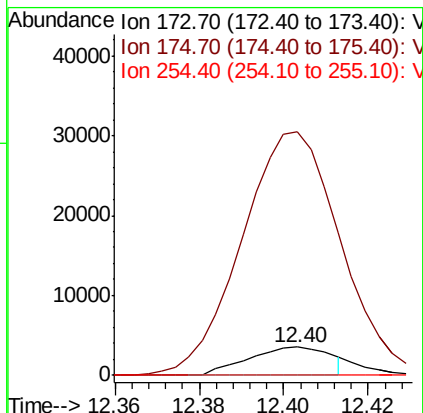
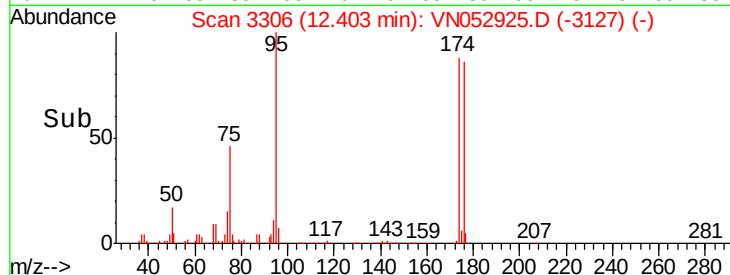
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

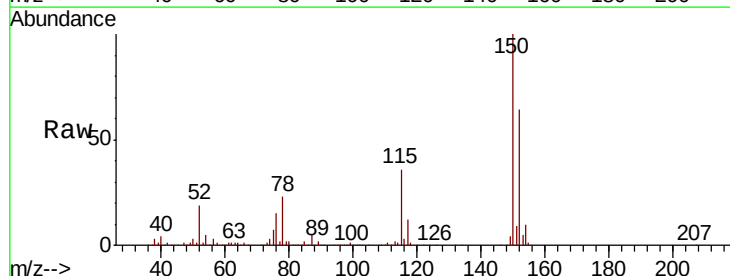
Tgt Ion:152 Resp: 667173

Ion Ratio Lower Upper

152 100

115 55.9 28.3 85.0

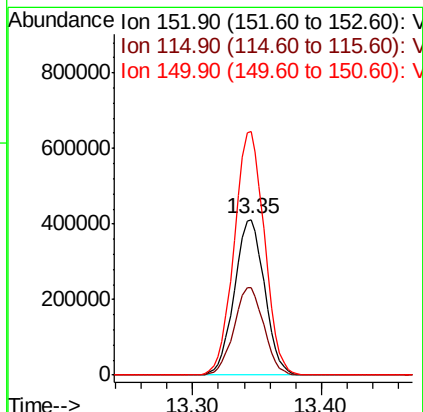
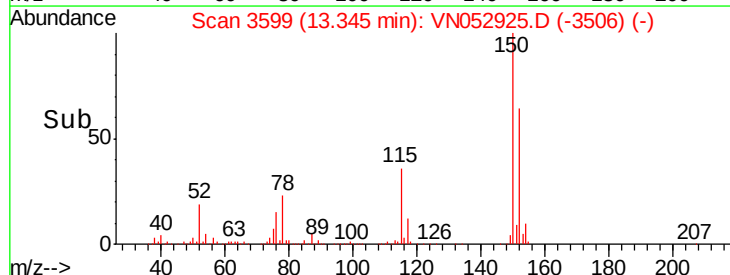
150 157.1 0.0 347.8

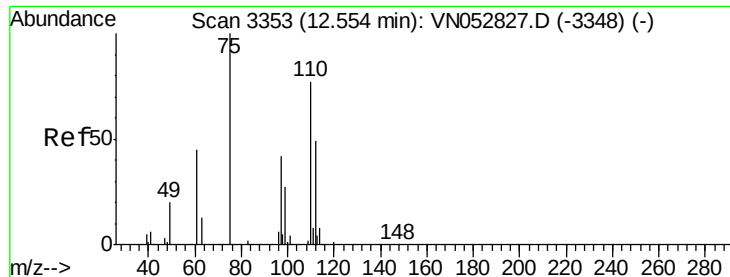


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.400 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

Instrument :

MSVOA_N

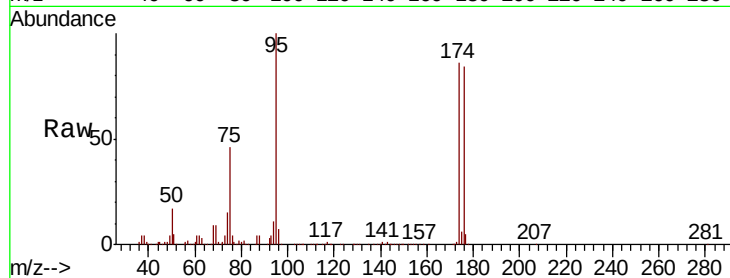
ClientSampled :

Tot Ion: 75 Resp: 368146

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

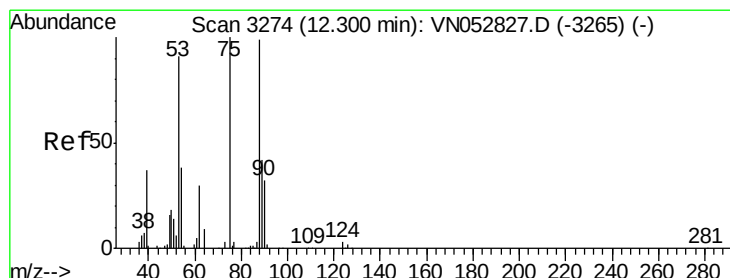
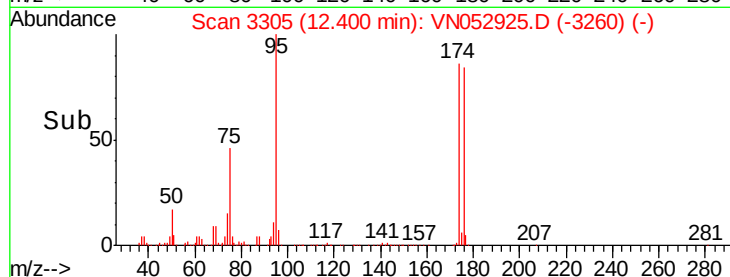
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 120.148 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052925.D

Acq: 17 Dec 2018 14:17

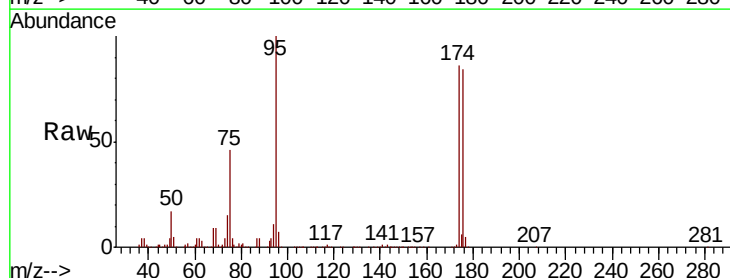
Tgt Ion: 75 Resp: 368146

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

150000

100000

50000

0

Time-->

