

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052295.D
 Acq On : 13 Nov 2018 19:03
 Operator : MD\SY
 Sample : PB114744ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:11:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	320008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	536003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	433618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	135226	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	217350	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	7.59	113	169858	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.09	98	658606	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.40	95	176417	40.15	ug/l	0.00
Spiked Amount			Recovery	=	80.30%	

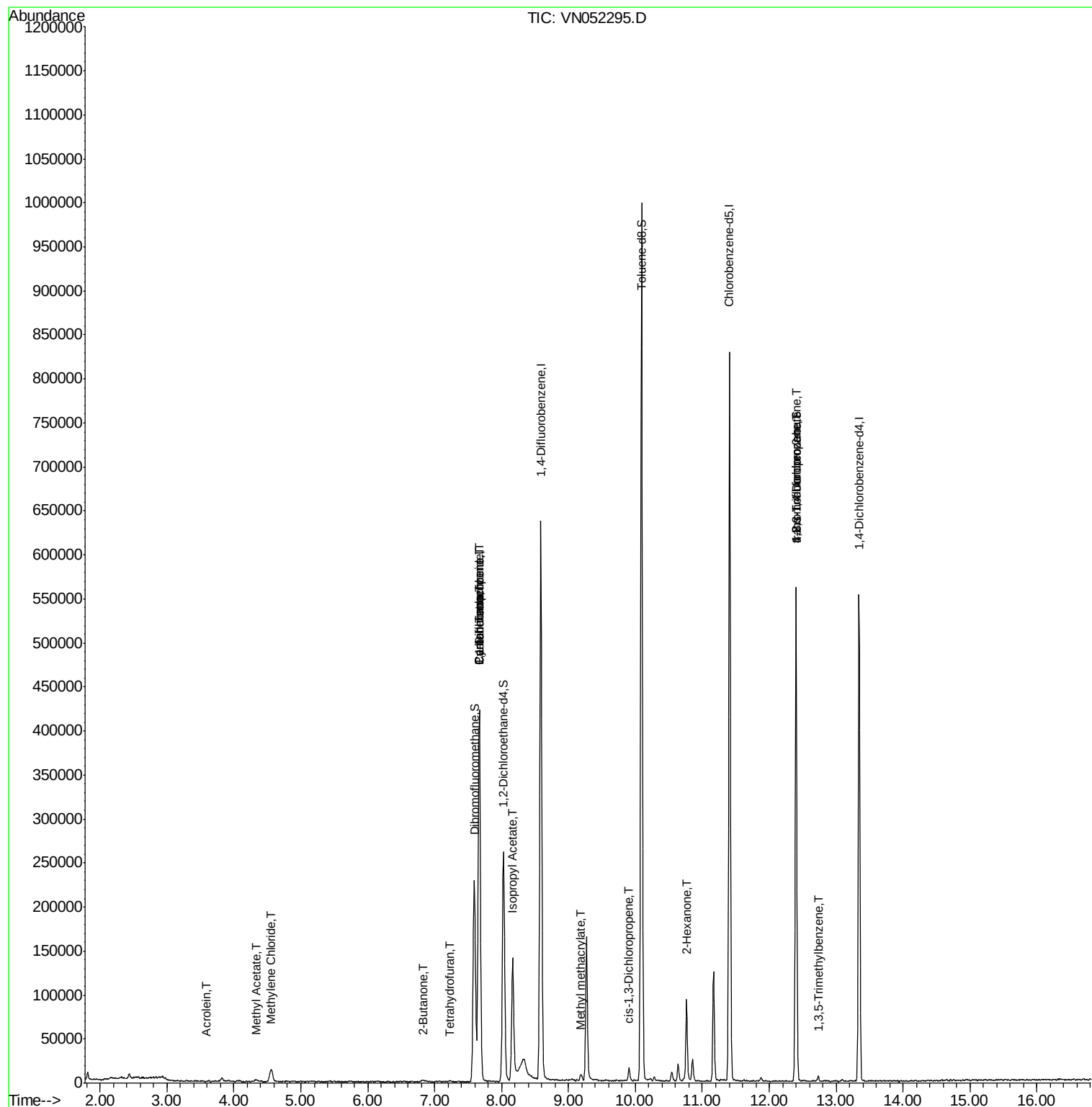
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	29	34.171	ug/l #	12
16) Acetone	3.82	43	6153	Below Cal	#	70
18) Methyl Acetate	4.33	43	3178	0.869	ug/l #	90
20) Methylene Chloride	4.56	84	9403	2.357	ug/l	98
25) 2-Butanone	6.83	43	832	0.446	ug/l #	52
29) Tetrahydrofuran	7.23	42	906	0.746	ug/l #	64
31) Cyclohexane	7.66	56	9436	0.713	ug/l #	42
36) 1,1-Dichloropropene	7.66	75	28865	5.335	ug/l #	51
38) Carbon Tetrachloride	7.67	117	34334	7.003	ug/l #	17
43) Isopropyl Acetate	8.17	43	176591	24.898	ug/l	97
48) Methyl methacrylate	9.19	41	3766	1.008	ug/l #	15
54) cis-1,3-Dichloropropene	9.90	75	2062	0.344	ug/l #	63
59) 2-Hexanone	10.77	43	14777	5.374	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	100443	41.982	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2022	0.230	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	100443	143.305	ug/l #	8

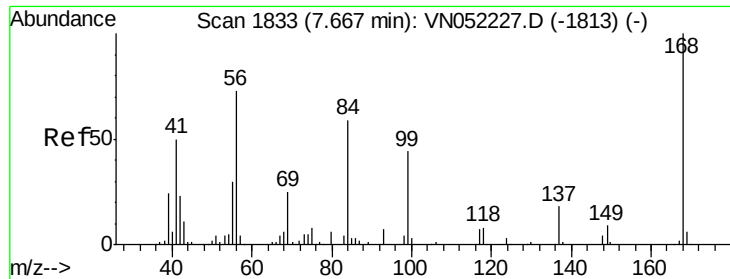
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 12 00:34:27 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: VN052295.D

Acq: 13 Nov 2018 19:03

Instrument :

MSVOA_N

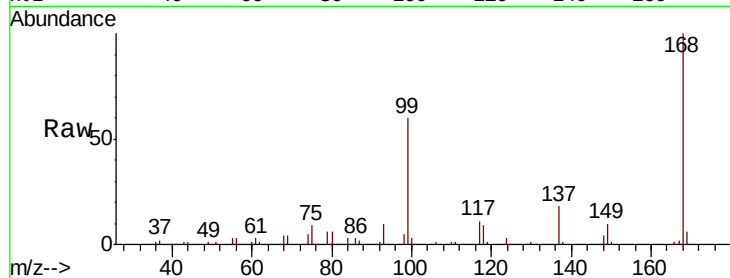
ClientSampleId :

Tot Ion:168 Resp: 320008

Ion Ratio Lower Upper

168 100

99 60.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

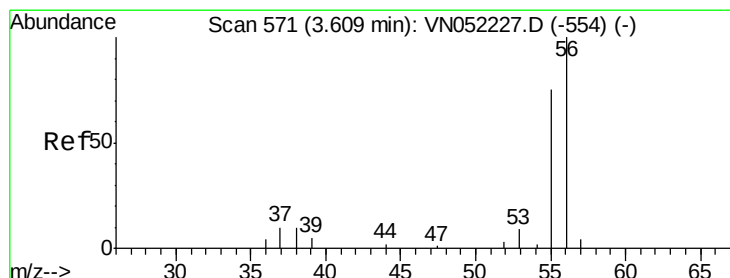
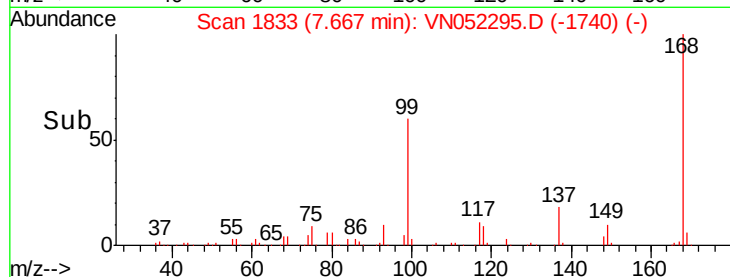
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 34.171 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.02 min

Lab File: VN052295.D

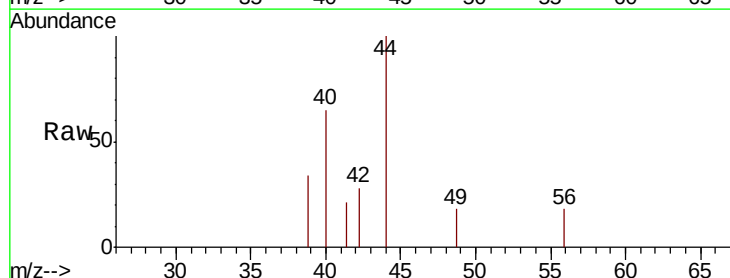
Acq: 13 Nov 2018 19:03

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.59

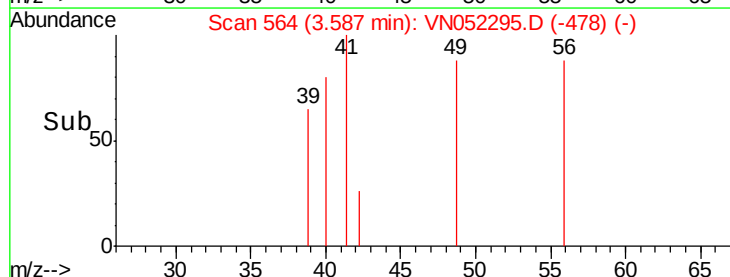
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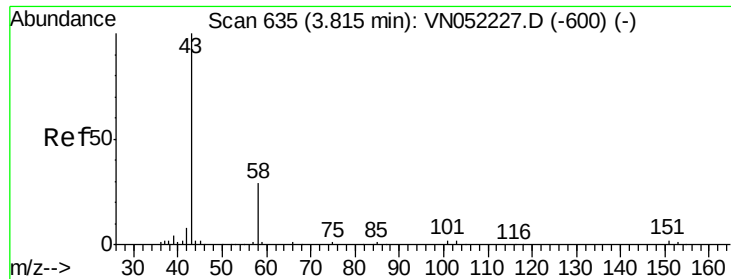
100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

Instrument :

MSVOA_N

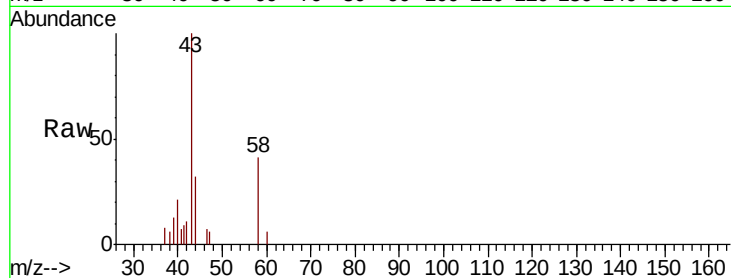
ClientSampled :

Tot Ion: 43 Resp: 6153

Ion Ratio Lower Upper

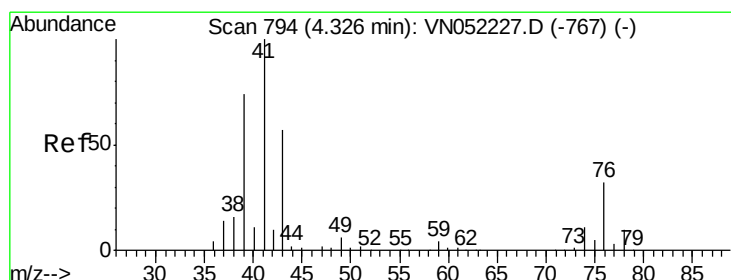
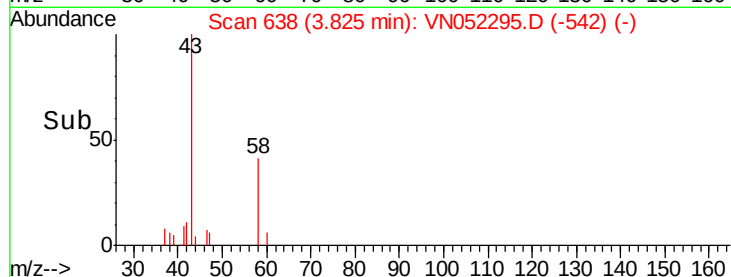
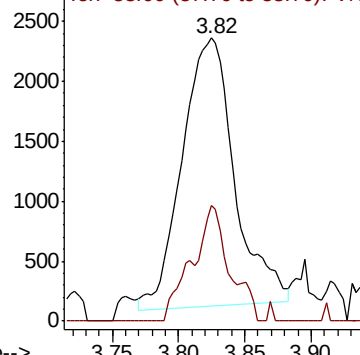
43 100

58 44.6 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.869 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052295.D

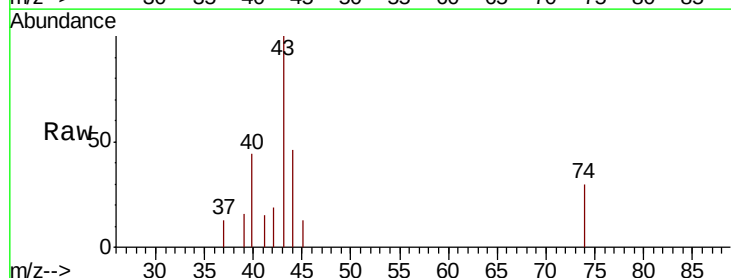
Acq: 13 Nov 2018 19:03

Tgt Ion: 43 Resp: 3178

Ion Ratio Lower Upper

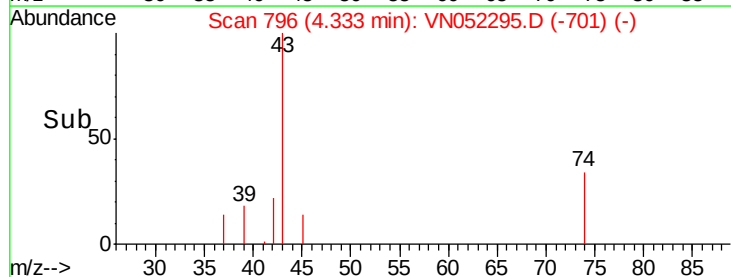
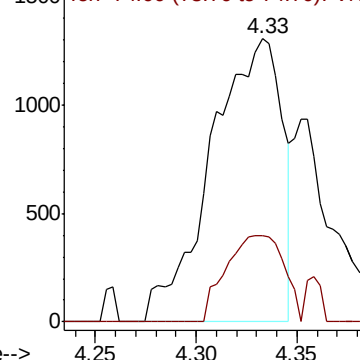
43 100

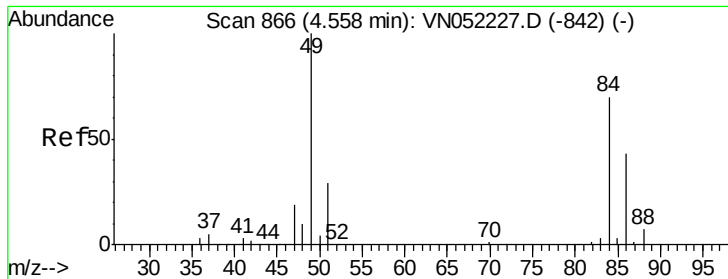
74 24.9 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

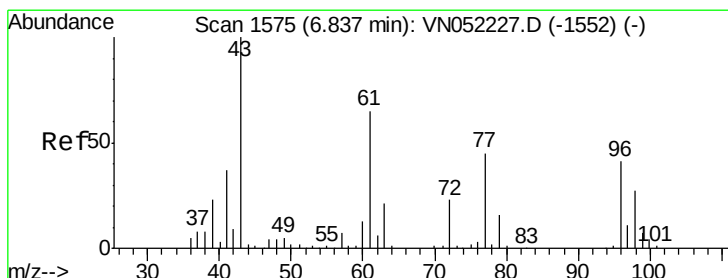
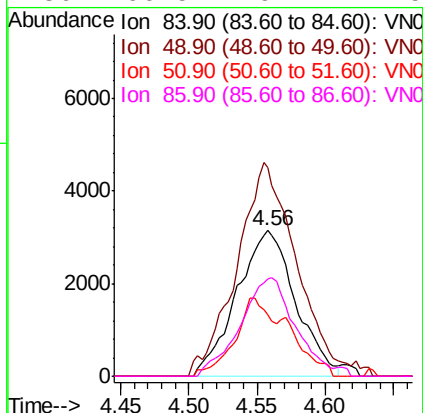
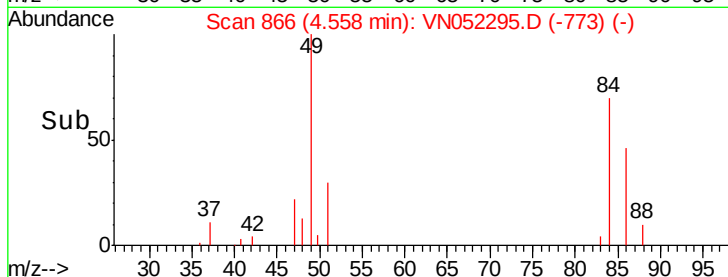
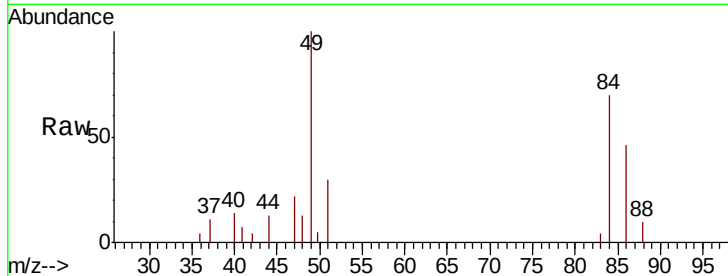




#20
Methylene Chloride
Concen: 2.357 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

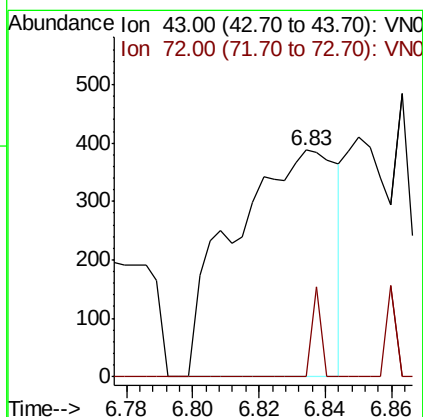
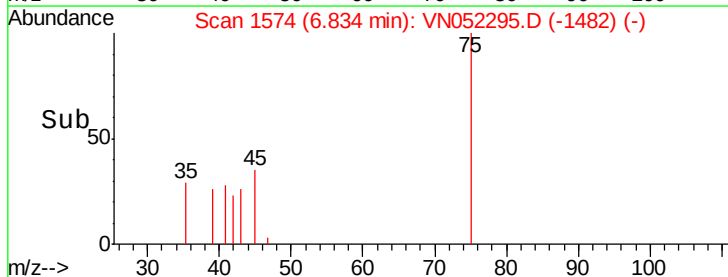
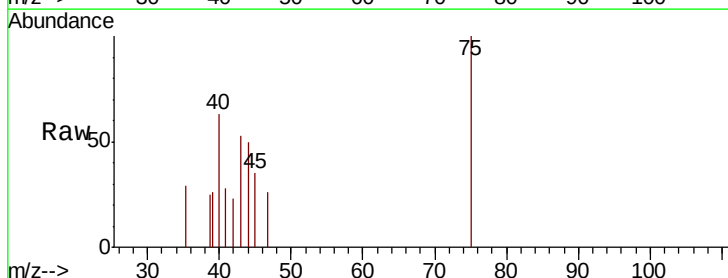
Instrument :
MSVOA_N
ClientSampled :

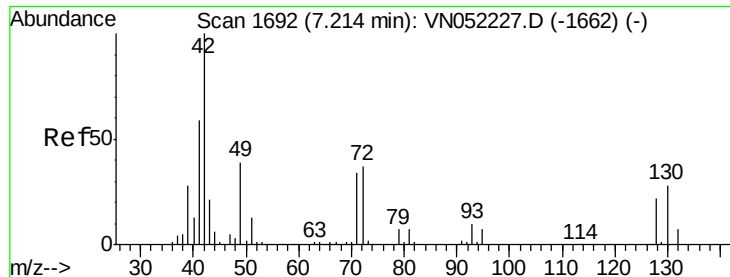
Tot Ion: 84 Resp: 9403
Ion Ratio Lower Upper
84 100
49 143.1 114.8 172.2
51 42.5 33.1 49.7
86 66.5 49.7 74.5



#25
2-Butanone
Concen: 0.446 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

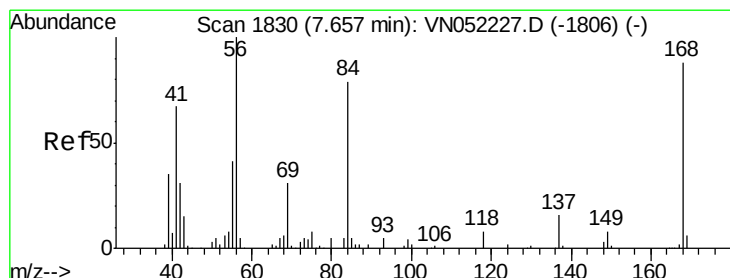
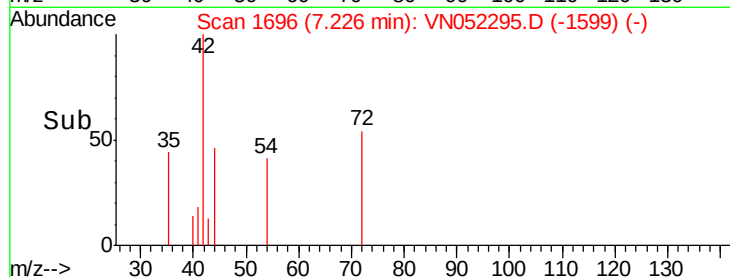
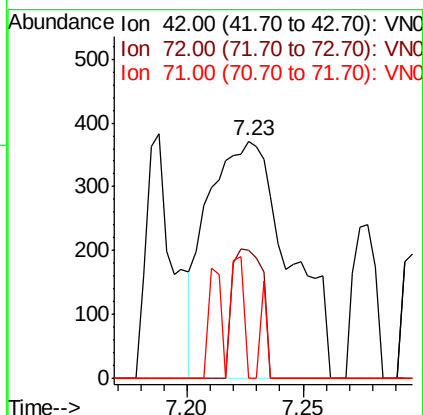
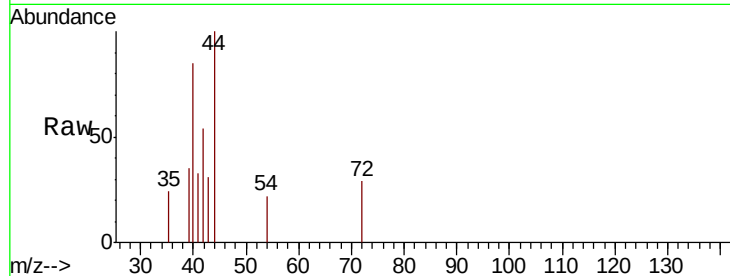




#29
Tetrahydrofuran
Concen: 0.746 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

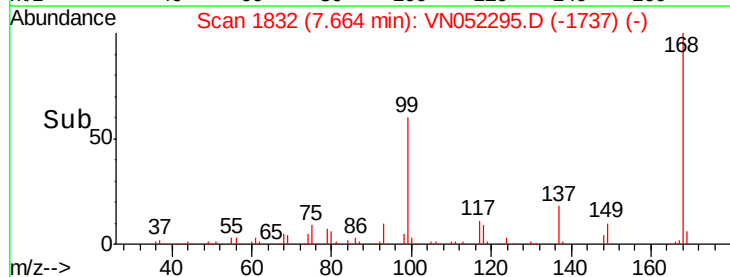
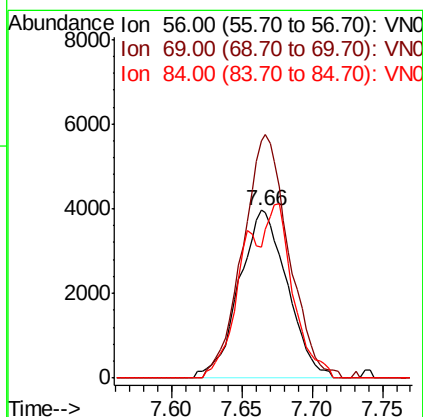
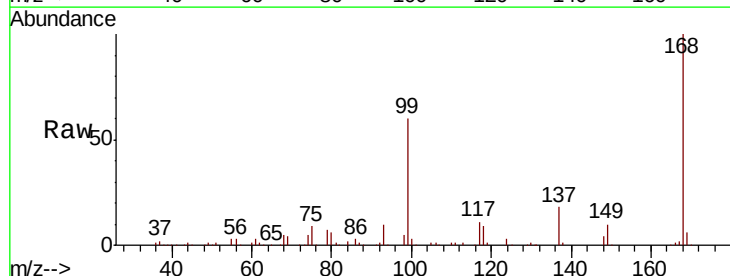
Instrument :
MSVOA_N
ClientSampled :

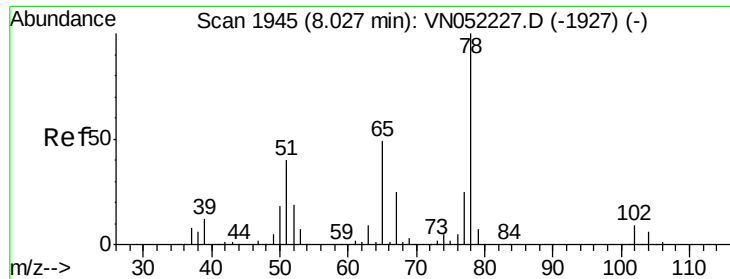
Tot Ion: 42 Resp: 906
Ion Ratio Lower Upper
42 100
72 20.0 28.6 43.0#
71 7.9 27.1 40.7#



#31
Cyclohexane
Concen: 0.713 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

Tgt Ion: 56 Resp: 9436
Ion Ratio Lower Upper
56 100
69 141.3 24.8 37.2#
84 77.7 63.1 94.7

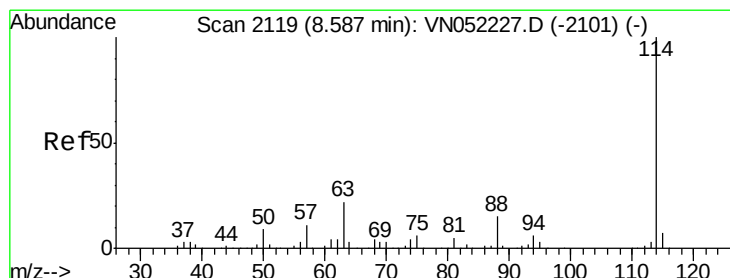
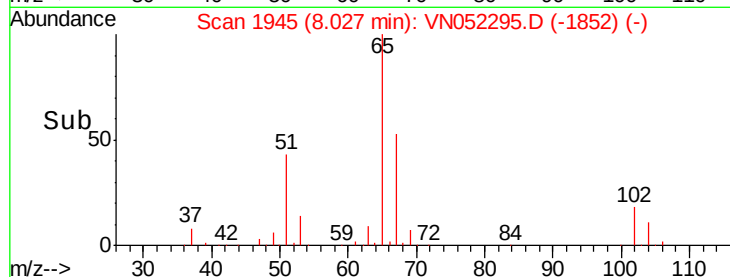
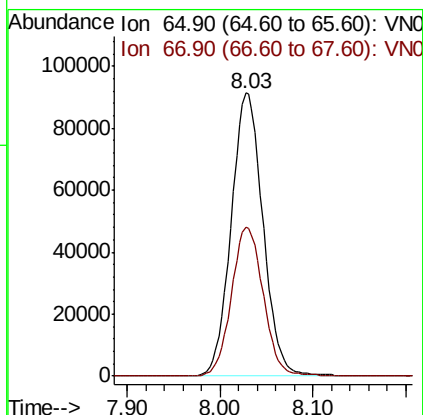
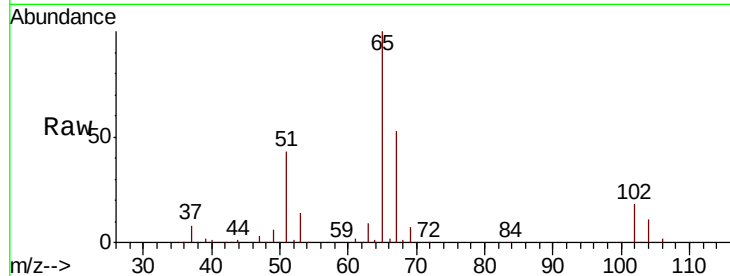




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052295.D
 Acq: 13 Nov 2018 19:03

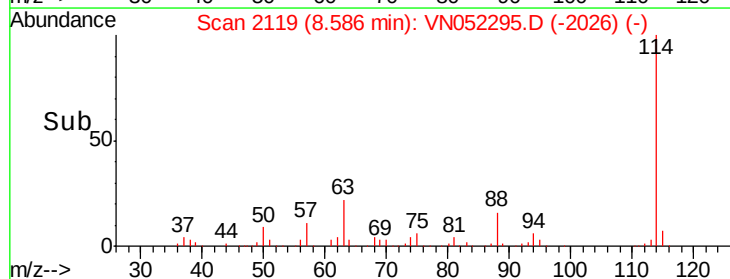
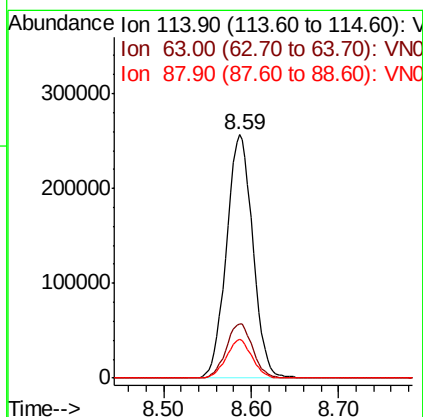
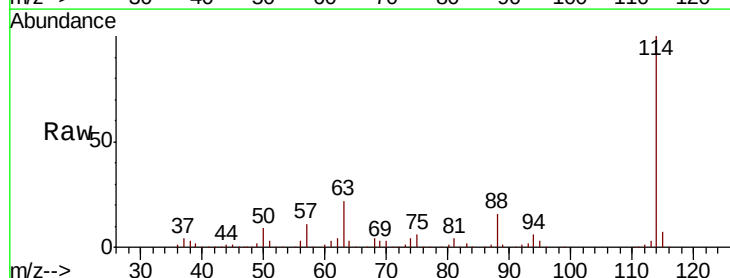
Instrument :
 MSVOA_N
 ClientSampleId :

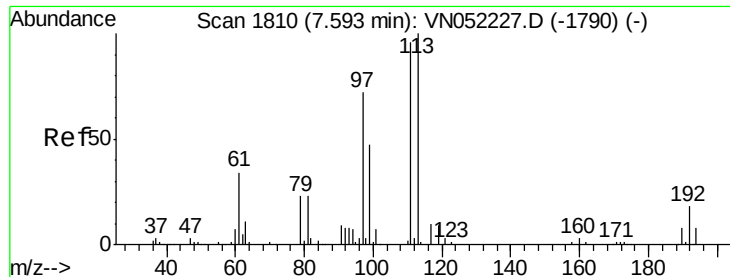
Tot Ion: 65 Resp: 217350
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052295.D
 Acq: 13 Nov 2018 19:03

Tgt Ion: 114 Resp: 536003
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :

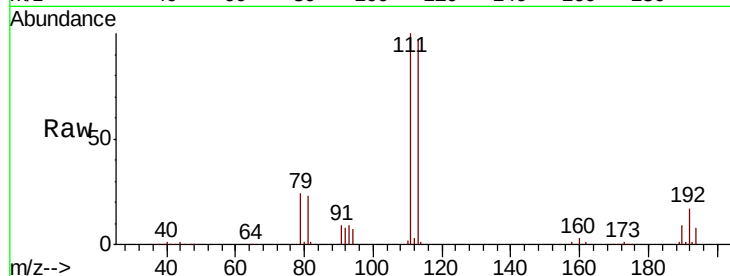
Tot Ion:113 Resp: 169858

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.2	120.4
192	17.1	14.1	21.1

113 100

111 102.1 80.2 120.4

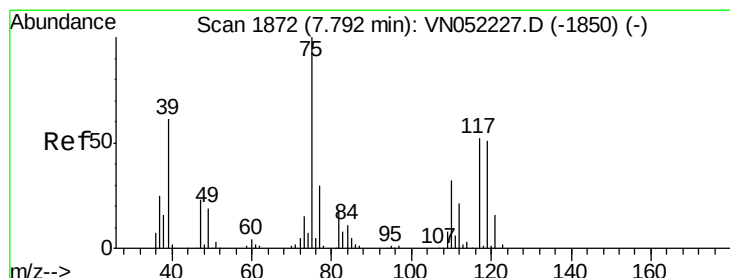
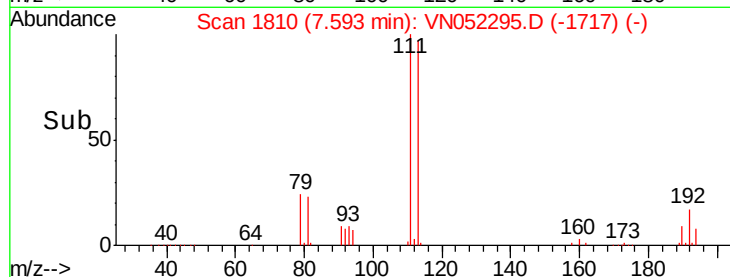
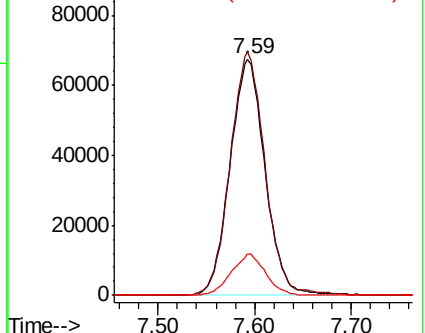
192 17.1 14.1 21.1



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: 5.335 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

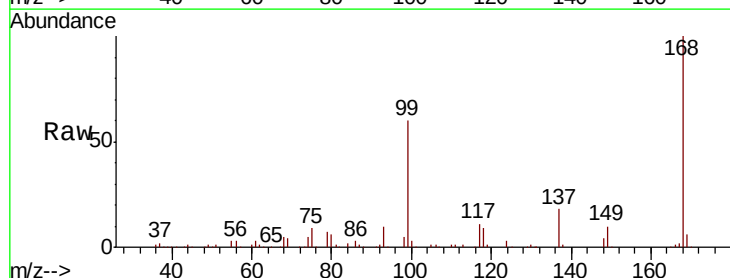
Tgt Ion: 75 Resp: 28865

Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.4	49.4#
77	0.0	23.9	35.9#

75 100

110 8.1 16.4 49.4#

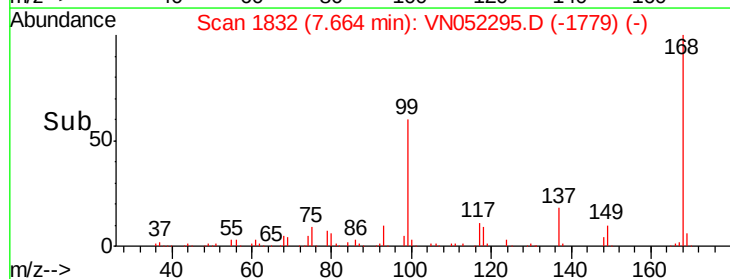
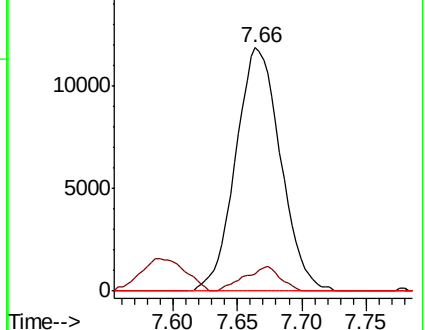
77 0.0 23.9 35.9#

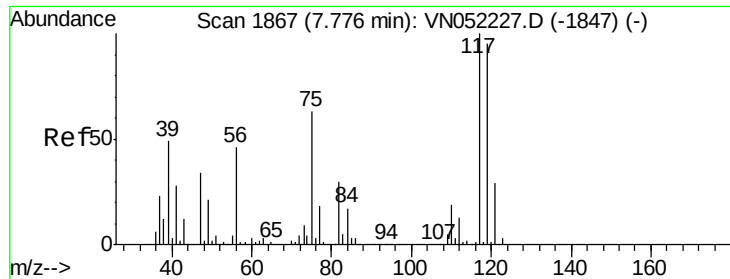


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

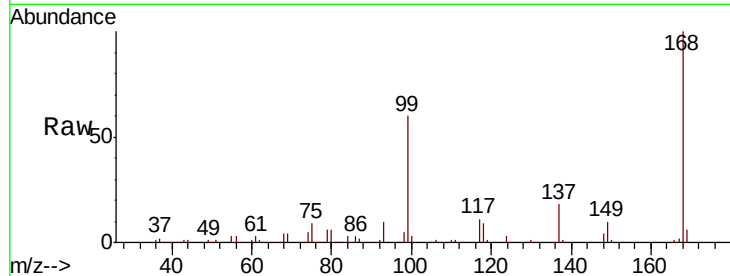




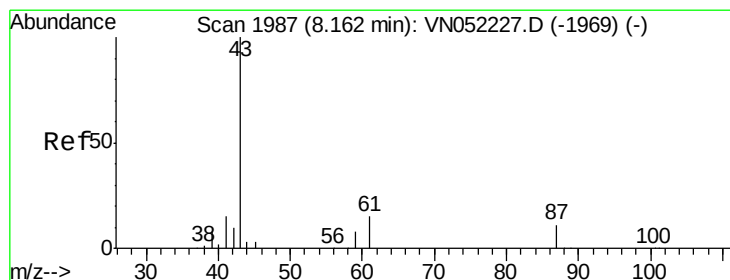
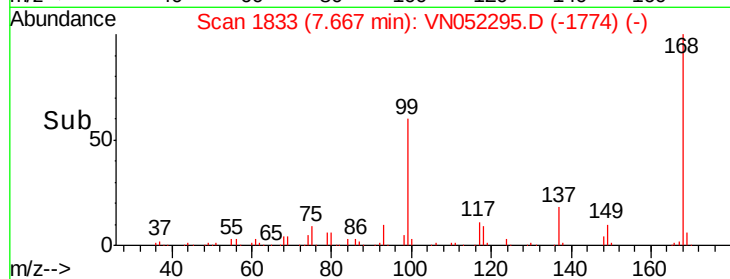
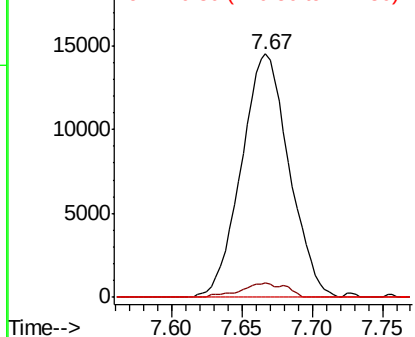
#38
Carbon Tetrachloride
Concen: 7.003 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 34334
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.8#
121 0.0 23.4 35.2#

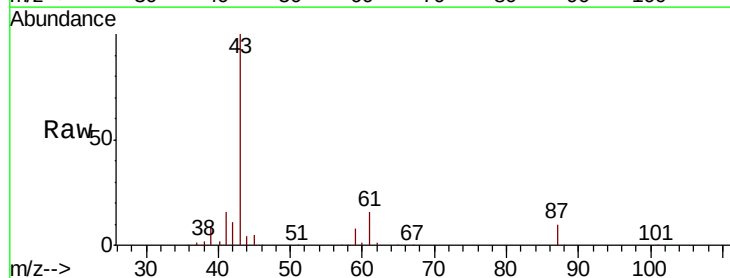


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

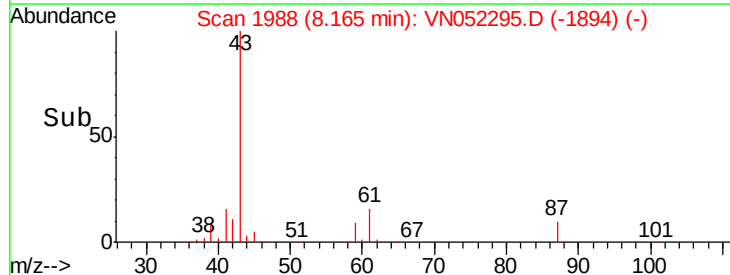
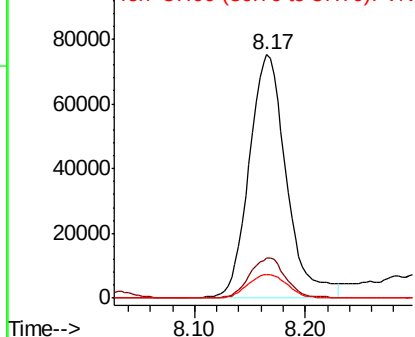


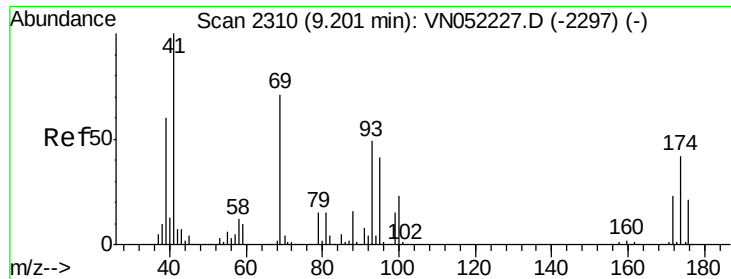
#43
Isopropyl Acetate
Concen: 24.898 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

Tgt Ion: 43 Resp: 176591
Ion Ratio Lower Upper
43 100
61 16.0 14.2 21.4
87 10.3 8.4 12.6



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

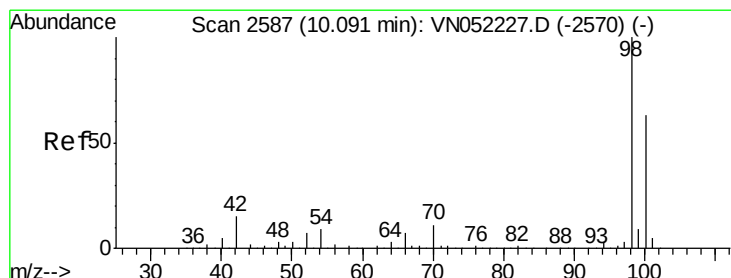
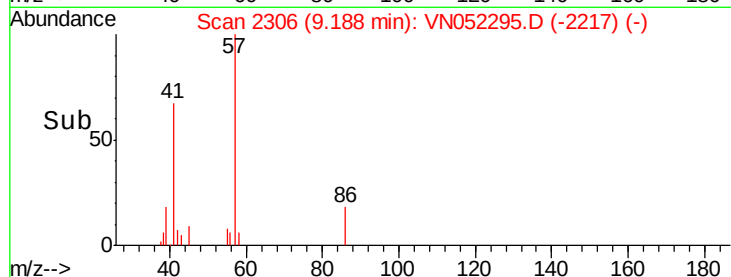
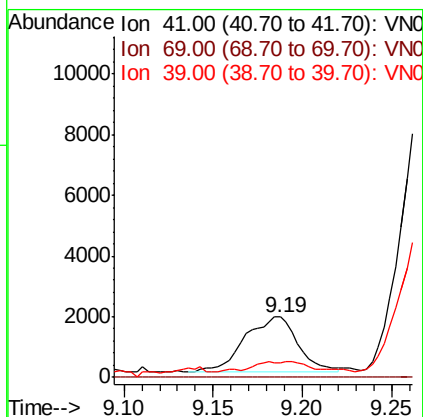
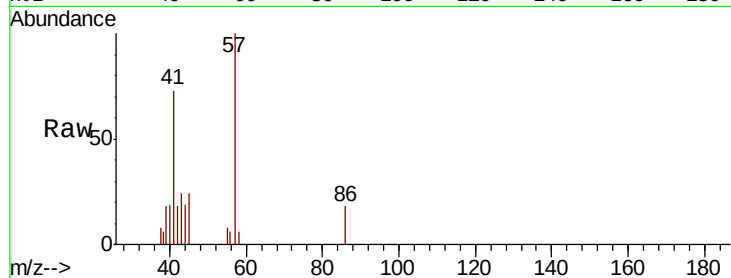




#48
Methvl methacrylate
Concen: 1.008 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

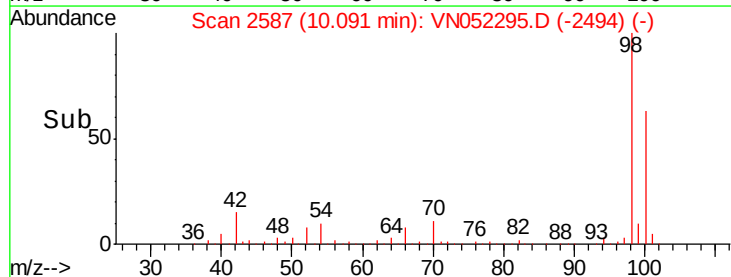
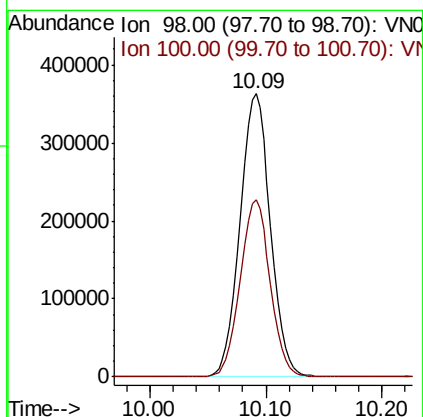
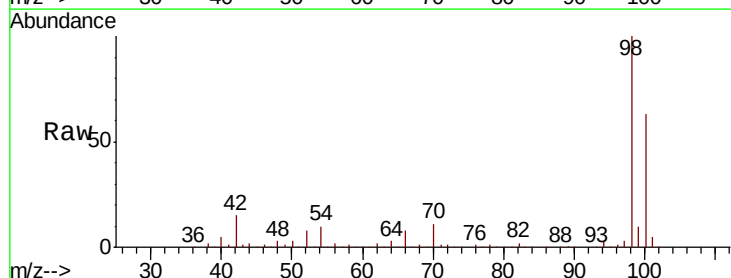
Instrument :
MSVOA_N
ClientSampled :

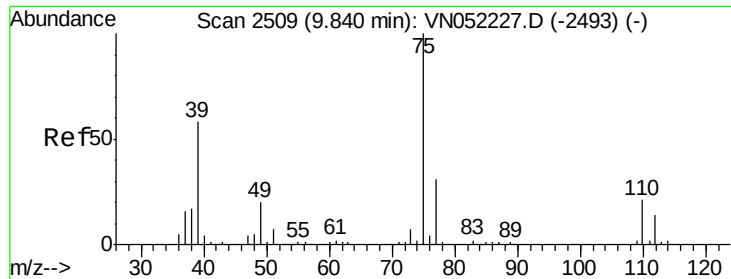
Tot Ion: 41 Resp: 3766
Ion Ratio Lower Upper
41 100
69 0.0 58.8 88.2#
39 0.0 50.7 76.1#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

Tgt Ion: 98 Resp: 658606
Ion Ratio Lower Upper
98 100
100 61.9 50.2 75.2





#54

cis-1,3-Dichloropropene

Concen: 0.344 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

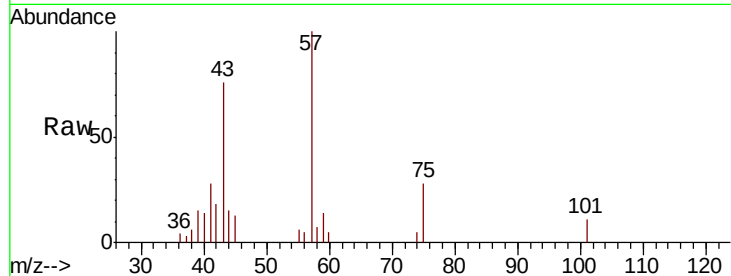
Tot Ion: 75 Resp: 2062

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

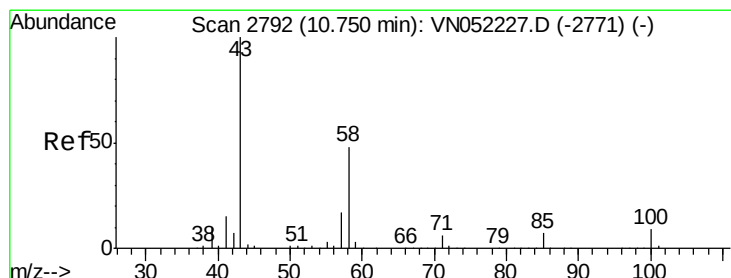
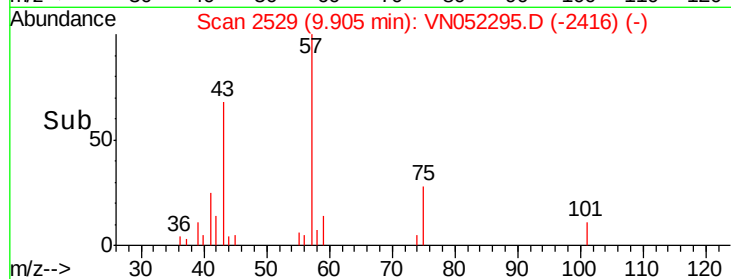
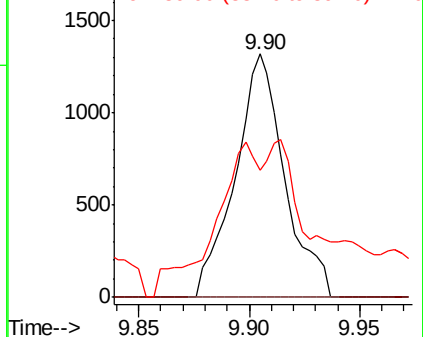
39 39.0 46.6 70.0#



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



#59

2-Hexanone

Concen: 5.374 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052295.D

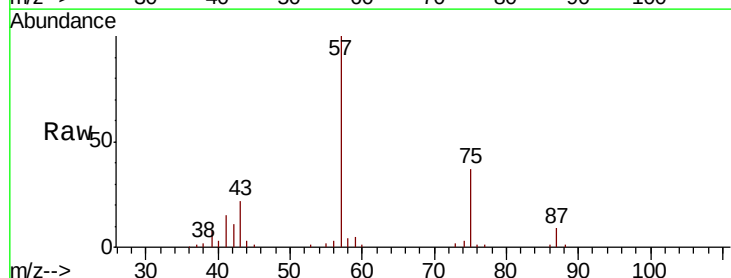
Acq: 13 Nov 2018 19:03

Tgt Ion: 43 Resp: 14777

Ion Ratio Lower Upper

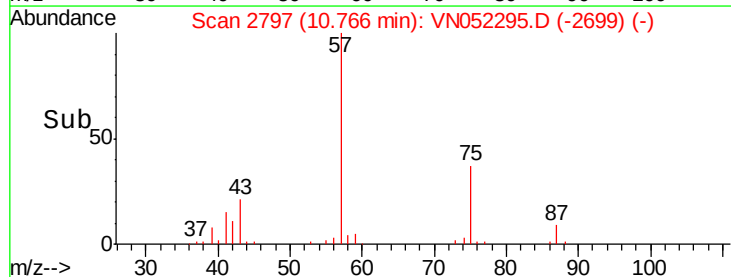
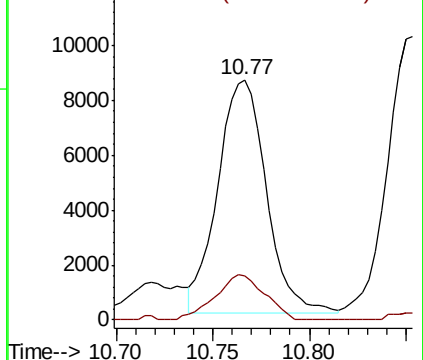
43 100

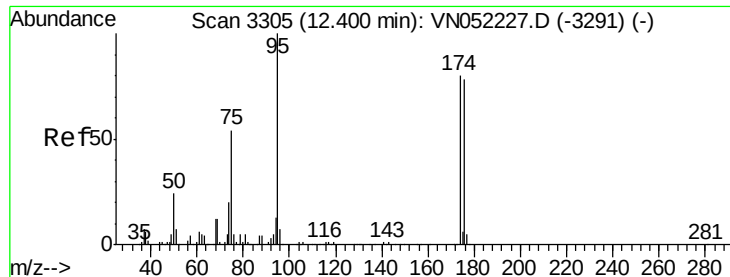
58 19.7 24.1 72.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

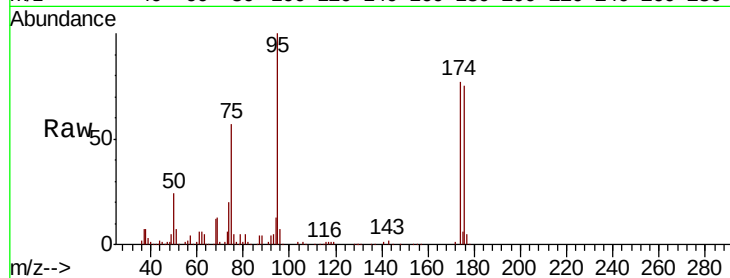
Tot Ion: 95 Resp: 176417

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.4

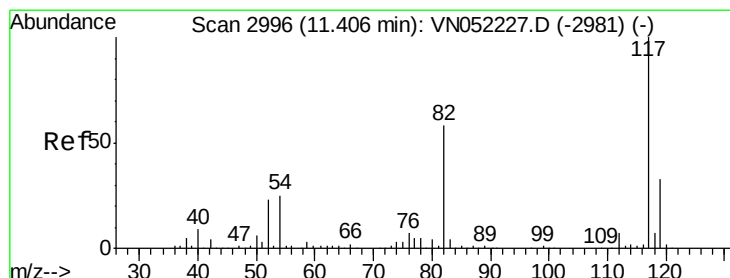
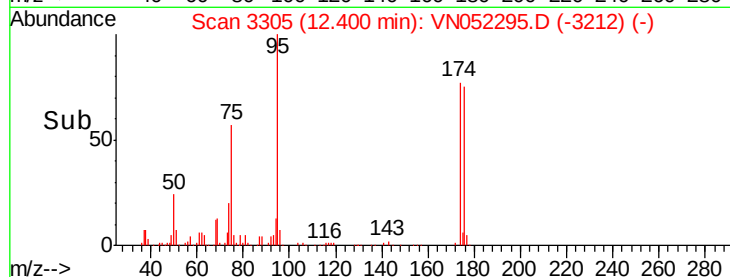
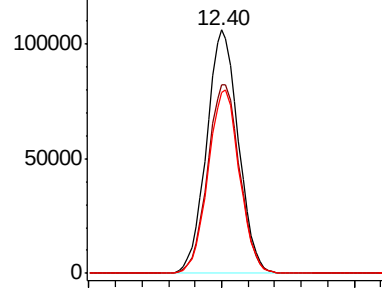
176 74.8 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052227.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052227.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052227.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

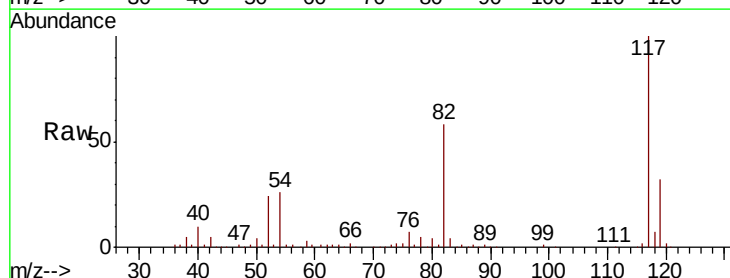
Tgt Ion: 117 Resp: 433618

Ion Ratio Lower Upper

117 100

82 57.8 46.2 69.2

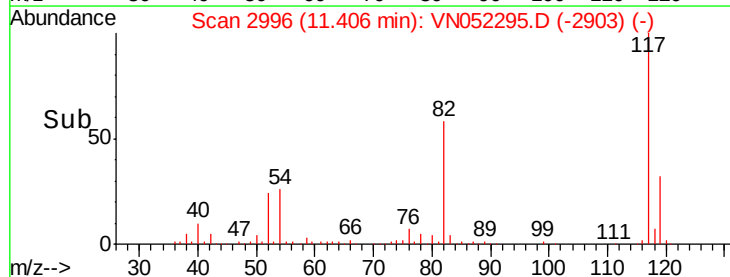
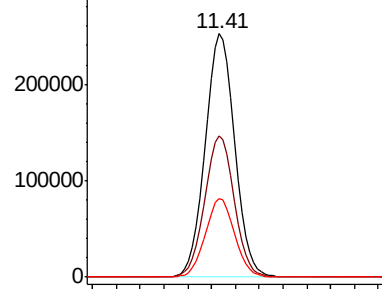
119 32.4 26.2 39.4

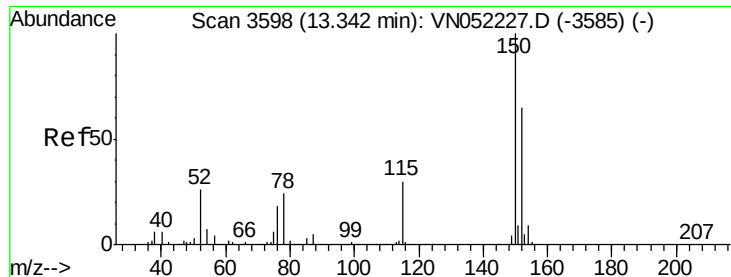


Abundance Ion 116.90 (116.60 to 117.60): VN052227.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052227.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052227.D (-2981) (-)



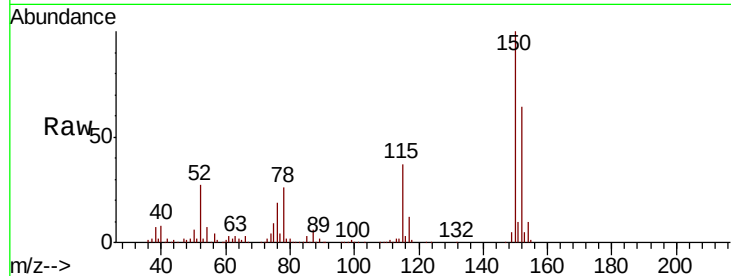


#72

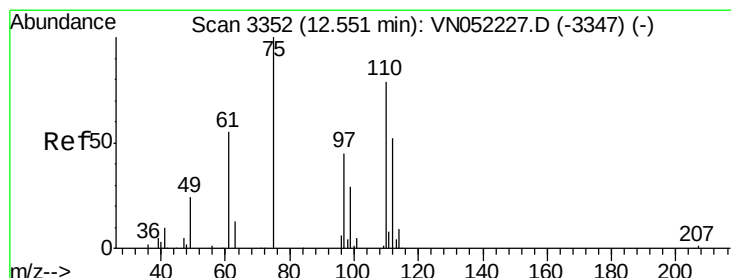
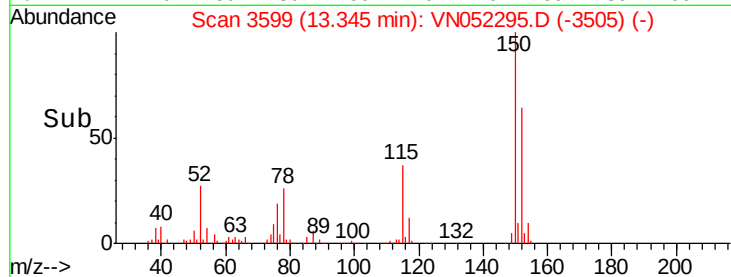
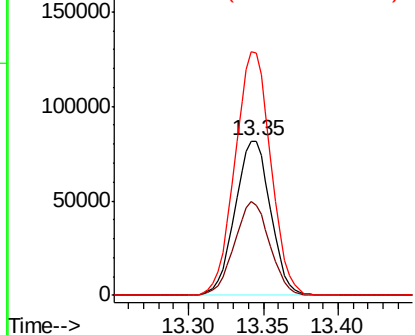
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.8	89.5
150	158.5	0.0	350.2



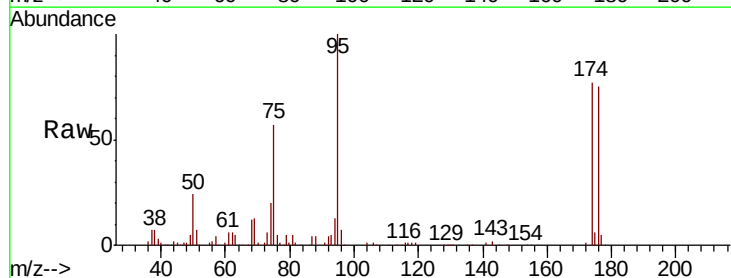
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



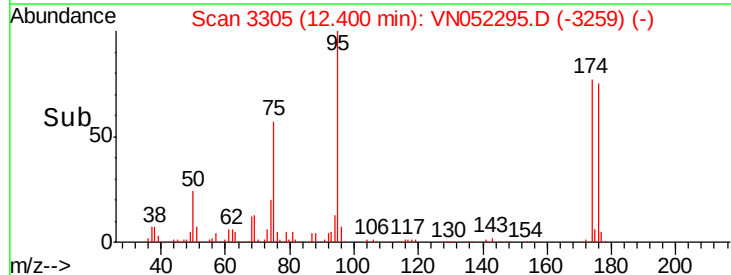
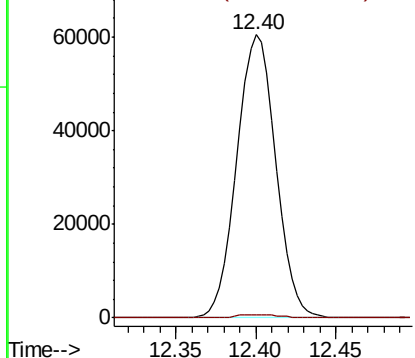
#76

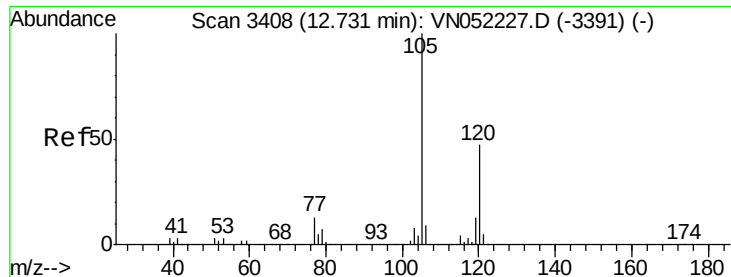
1,2,3-Trichloropropane
Concen: 41.982 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052295.D
Acq: 13 Nov 2018 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.230 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

Instrument :

MSVOA_N

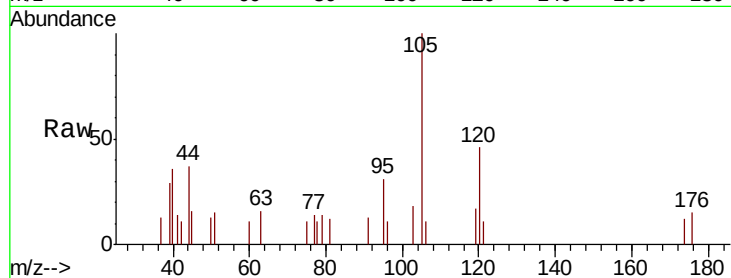
ClientSampled :

Tot Ion:105 Resp: 2022

Ion Ratio Lower Upper

105 100

120 55.5 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

1500

1000

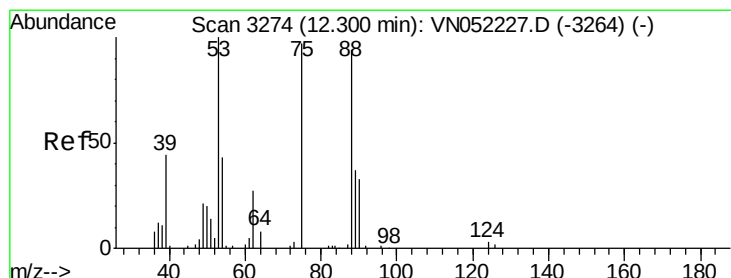
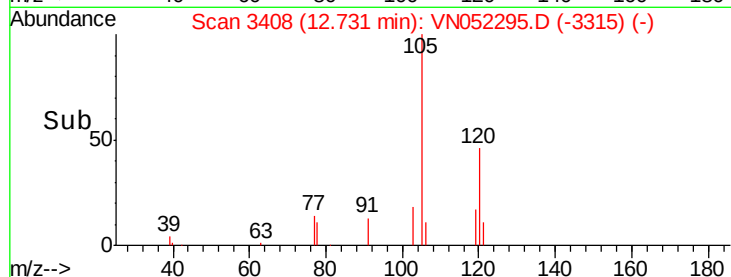
500

0

Time-->

12.70

12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 143.305 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052295.D

Acq: 13 Nov 2018 19:03

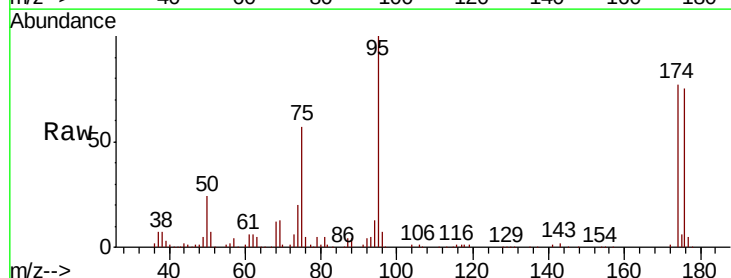
Tgt Ion: 75 Resp: 100443

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 33.7 50.5#



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

12.40

80000

60000

40000

20000

0

Time-->

12.35

12.40

12.45

