

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052033.D
 Acq On : 26 Oct 2018 17:27
 Operator : MD\SY
 Sample : PB114195ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195ZHE#10

Quant Time: Oct 26 23:26:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1191596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1732515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1643339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	765890	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	593282	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	
35) Dibromofluoromethane	7.59	113	637577	57.67	ug/l	0.00
Spiked Amount			Recovery	=	115.34%	
50) Toluene-d8	10.09	98	2356916	59.00	ug/l	0.00
Spiked Amount			Recovery	=	118.00%	
62) 4-Bromofluorobenzene	12.40	95	756821	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	

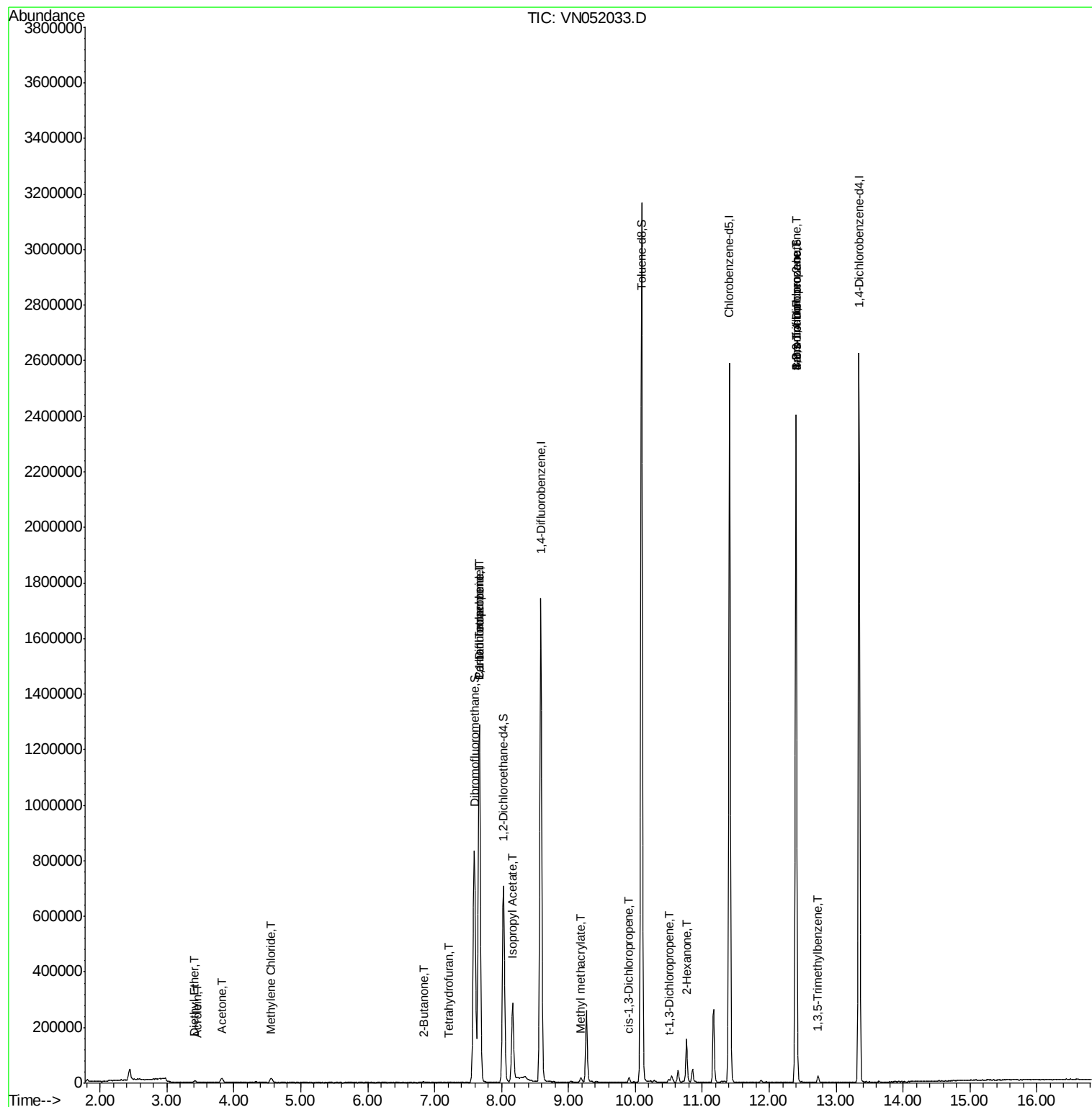
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	3188	0.659	ug/l	81
13) Acrolein	3.46	56	29	37.350	ug/l #	14
16) Acetone	3.82	43	27292	15.609	ug/l	96
18) Methyl Acetate	4.33	43	5337	Below Cal	#	61
20) Methylene Chloride	4.55	84	12425	1.211	ug/l	87
25) 2-Butanone	6.84	43	1300	0.522	ug/l	98
29) Tetrahydrofuran	7.21	42	417	0.247	ug/l #	42
31) Cyclohexane	7.66	56	17258	Below Cal	#	30
36) 1,1-Dichloropropene	7.67	75	67280	5.062	ug/l #	47
37) Ethyl Acetate	6.91	43	99	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	102805	6.738	ug/l #	16
43) Isopropyl Acetate	8.17	43	323732	29.086	ug/l	98
48) Methyl methacrylate	9.18	41	7407	1.377	ug/l #	8
53) t-1,3-Dichloropropene	10.50	75	100	1.251	ug/l #	43
54) cis-1,3-Dichloropropene	9.91	75	3101	0.218	ug/l #	69
59) 2-Hexanone	10.76	43	18604	4.523	ug/l #	59
71) Bromoform	12.40	173	6535	4.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	358595	45.327	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	10425	0.268	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	358595	142.648	ug/l #	12

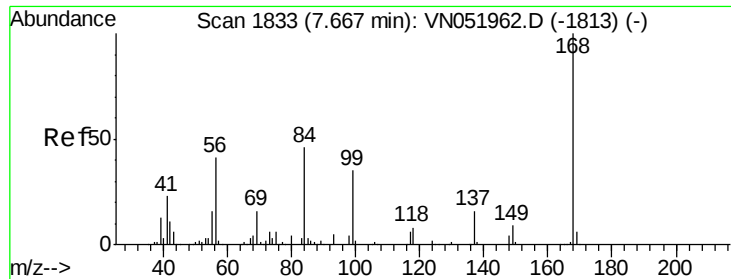
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 24 10:12:55 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

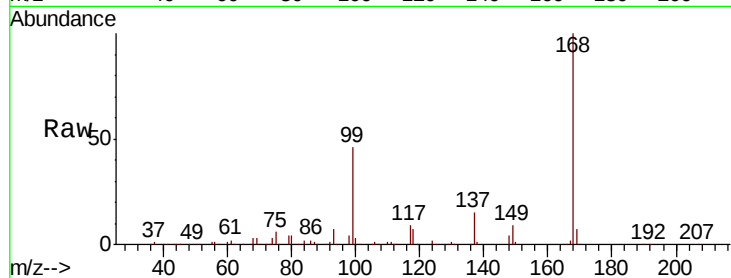
PB114195ZHE#10

Tot Ion:168 Resp: 1191596

Ion Ratio Lower Upper

168 100

99 45.8 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

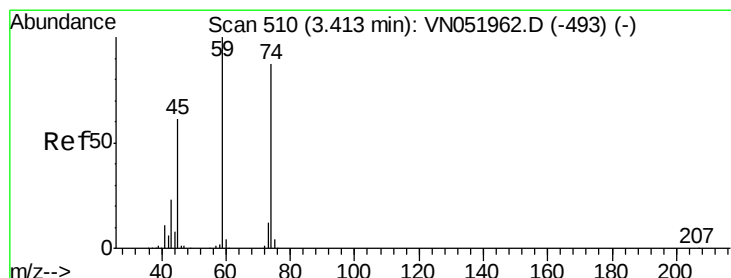
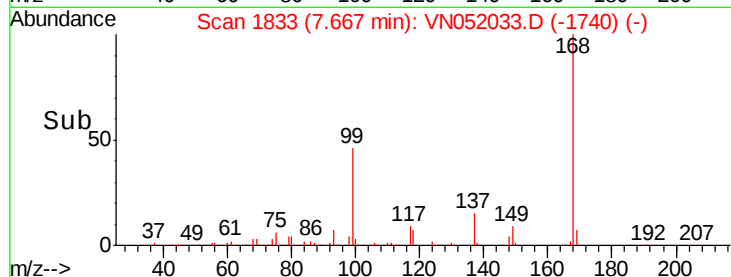
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.659 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052033.D

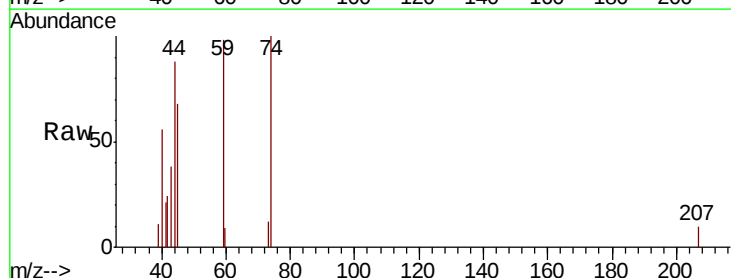
Acq: 26 Oct 2018 17:27

Tgt Ion: 74 Resp: 3188

Ion Ratio Lower Upper

74 100

45 87.0 35.5 106.5



Abundance Ion 74.00 (73.70 to 74.70): VN051962.D (-493) (-)

Ion 45.00 (44.70 to 45.70): VN051962.D (-493) (-)

3.42

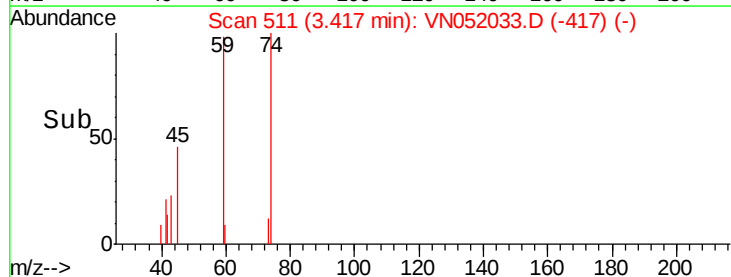
1500

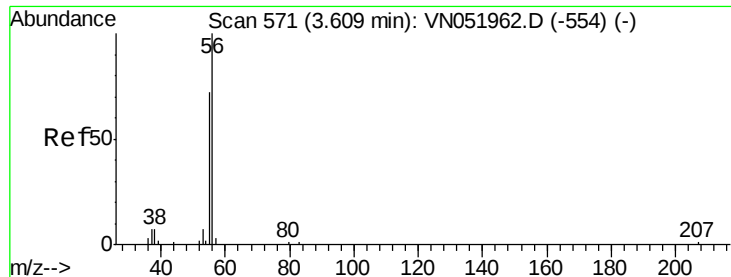
1000

500

0

Time-->





#13

Acrolein

Concen: 37.350 ug/l

RT: 3.46 min Scan# 523

Delta R.T. -0.15 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

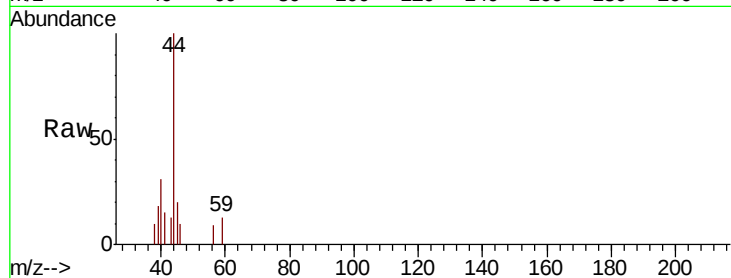
PB114195ZHE#10

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

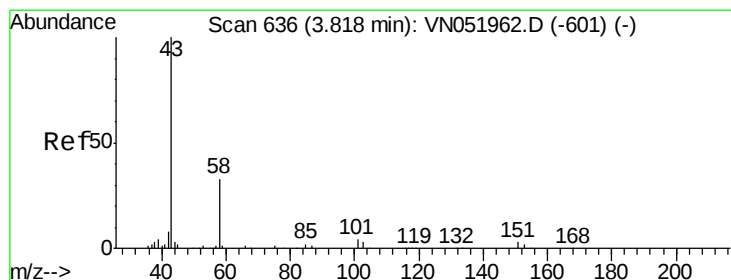
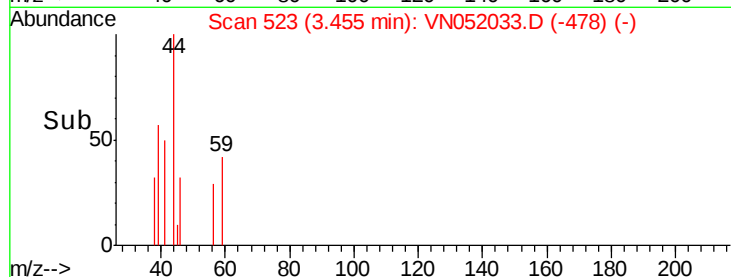
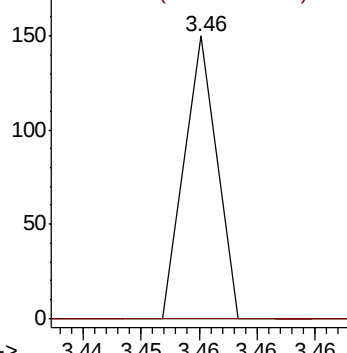
56 100

55 0.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 15.609 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052033.D

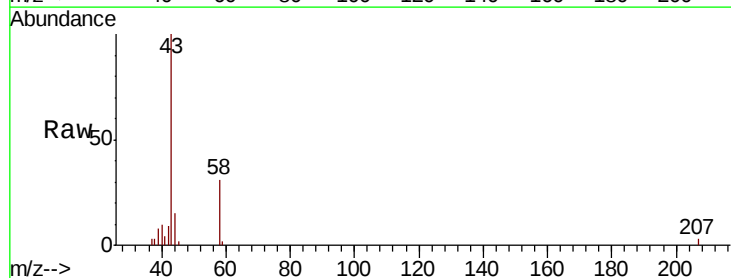
Acq: 26 Oct 2018 17:27

Tgt Ion: 43 Resp: 27292

Ion Ratio Lower Upper

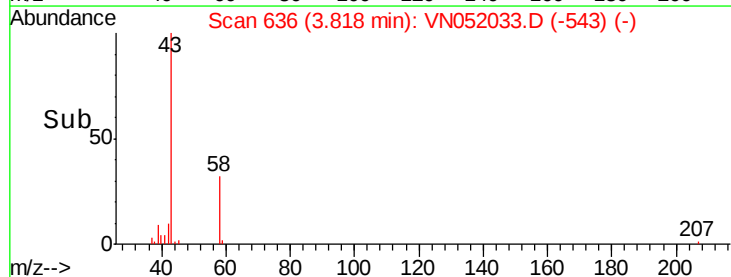
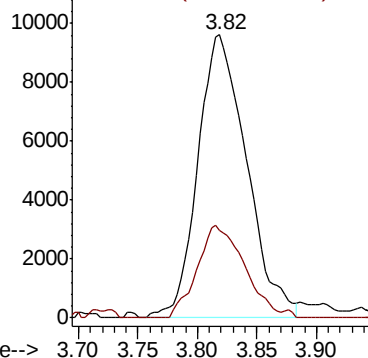
43 100

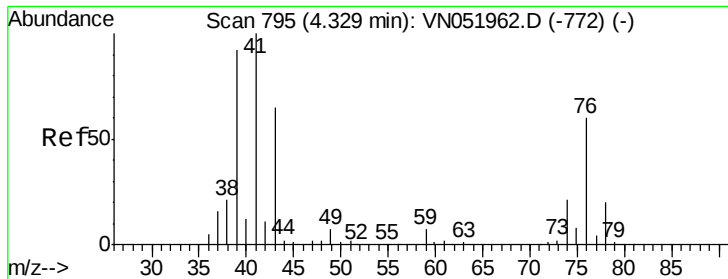
58 31.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

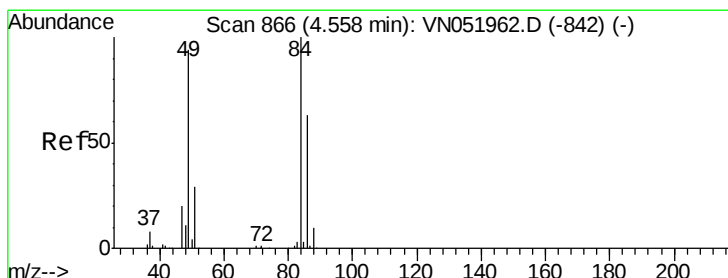
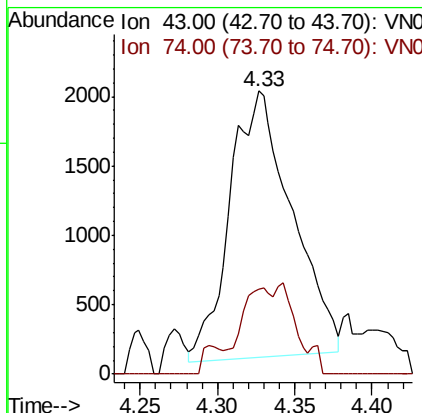
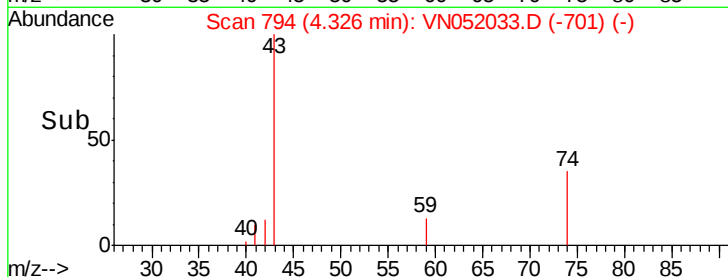
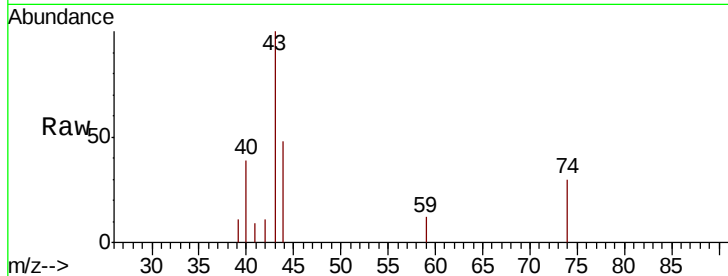




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

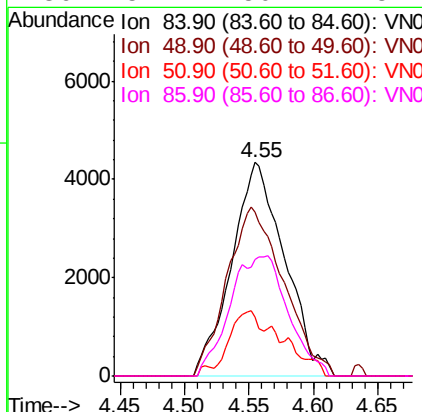
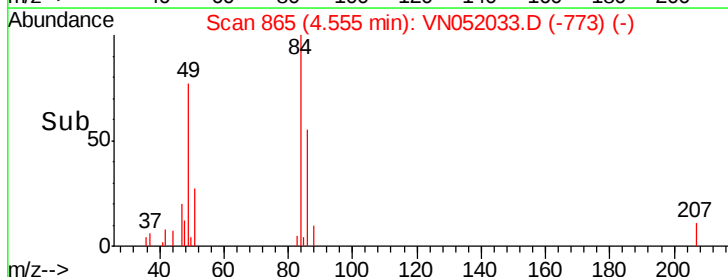
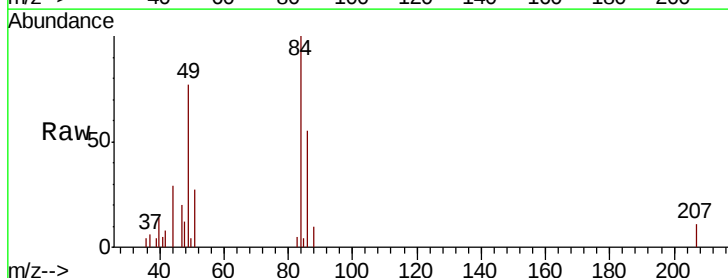
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#10

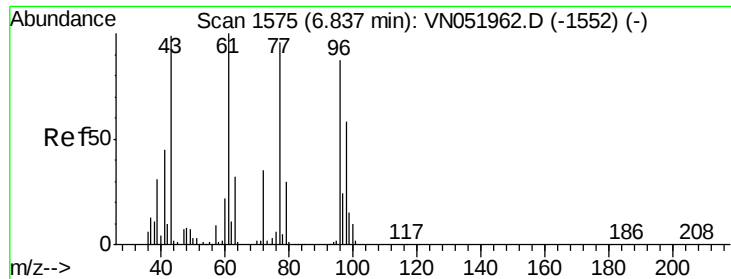
Tot Ion: 43 Resp: 5337
Ion Ratio Lower Upper
43 100
74 10.6 25.7 38.5#



#20
Methylene Chloride
Concen: 1.211 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Tgt Ion: 84 Resp: 12425
Ion Ratio Lower Upper
84 100
49 77.0 75.4 113.0
51 27.4 23.1 34.7
86 54.7 50.2 75.4





#25

2-Butanone

Concen: 0.522 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

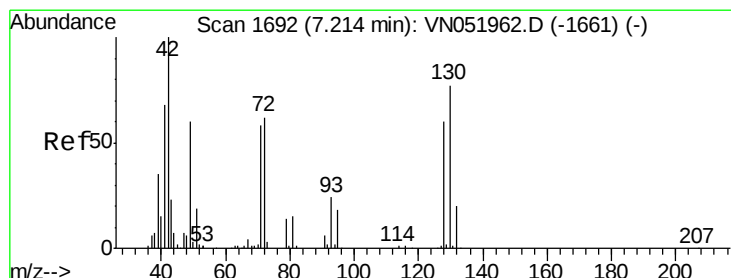
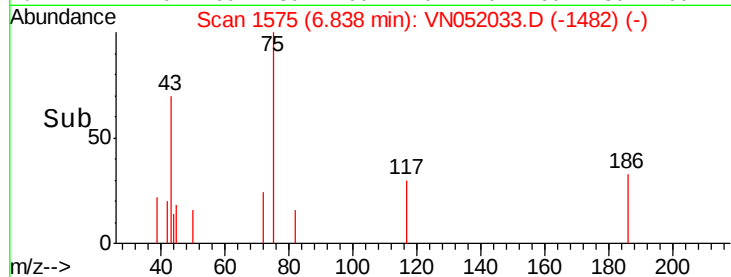
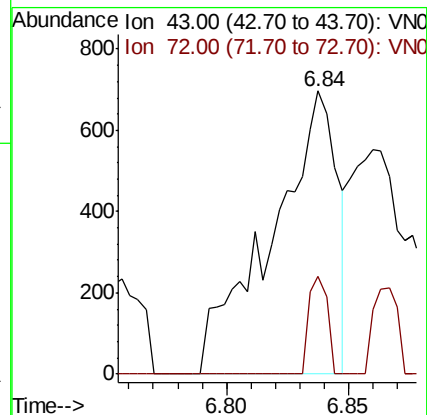
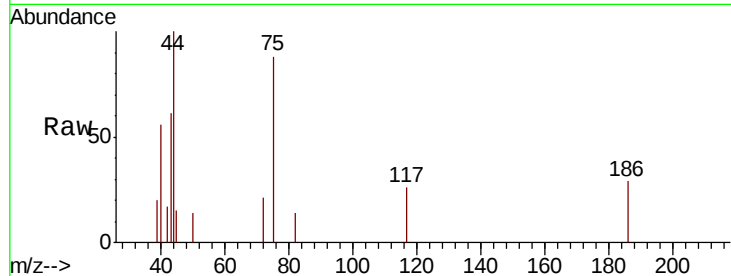
PB114195ZHE#10

Tot Ion: 43 Resp: 1300

Ion Ratio Lower Upper

43 100

72 34.4 28.5 42.7



#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

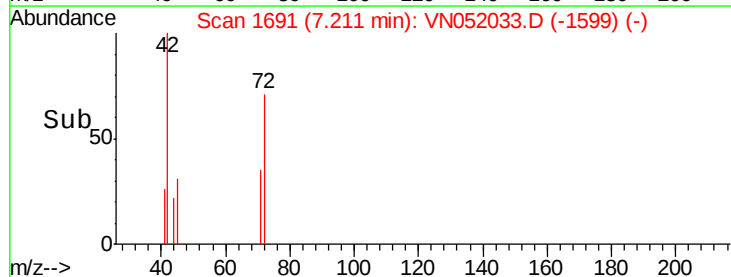
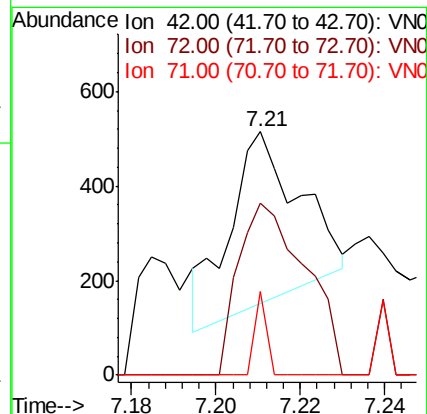
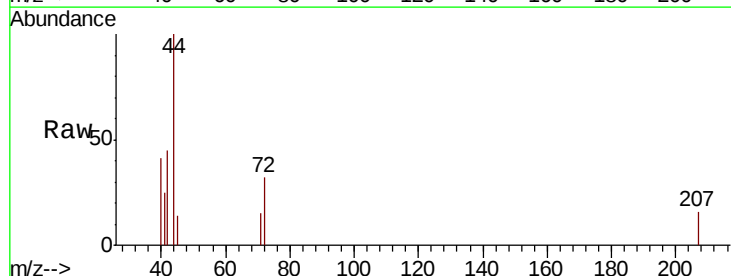
Tgt Ion: 42 Resp: 417

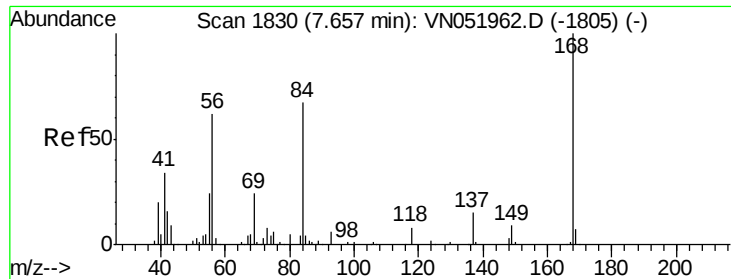
Ion Ratio Lower Upper

42 100

72 96.6 47.5 71.3#

71 8.2 45.4 68.2#

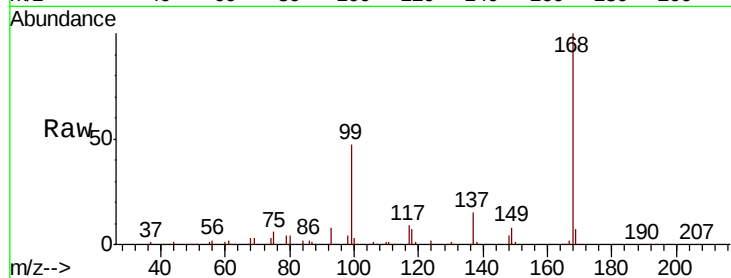




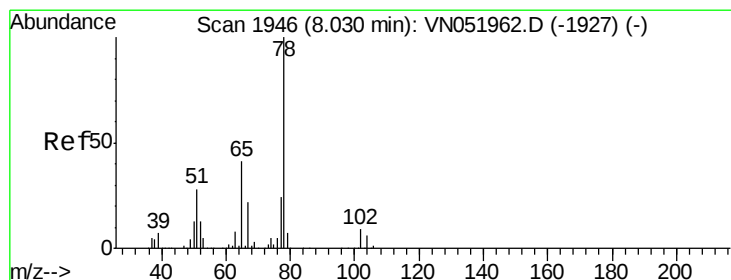
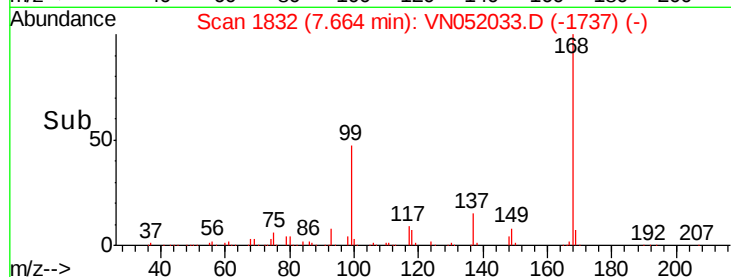
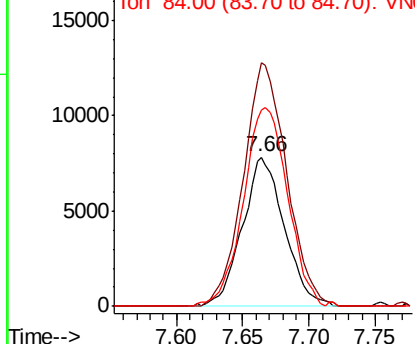
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#10

Tot Ion: 56 Resp: 17258
Ion Ratio Lower Upper
56 100
69 163.0 31.2 46.8#
84 131.0 86.3 129.5#

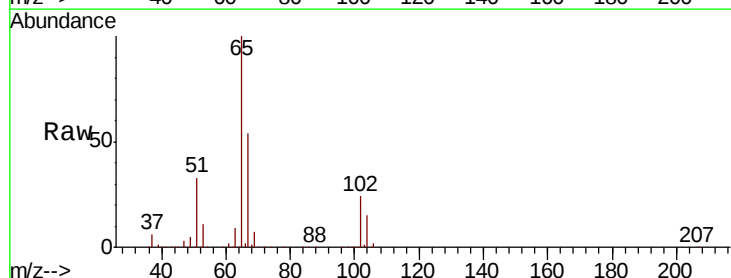


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

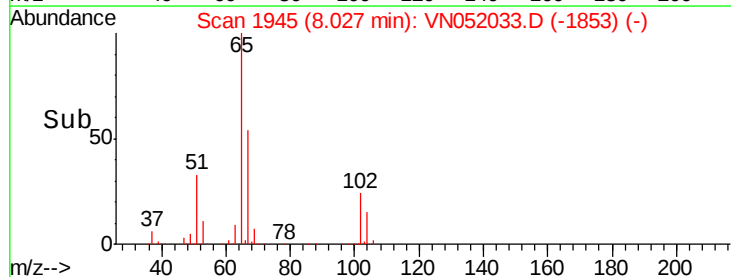
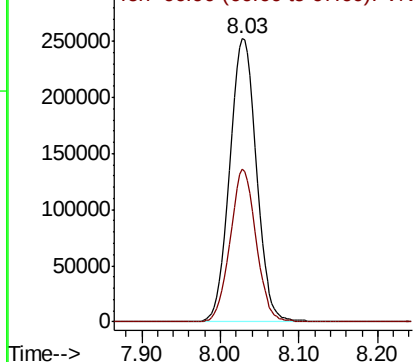


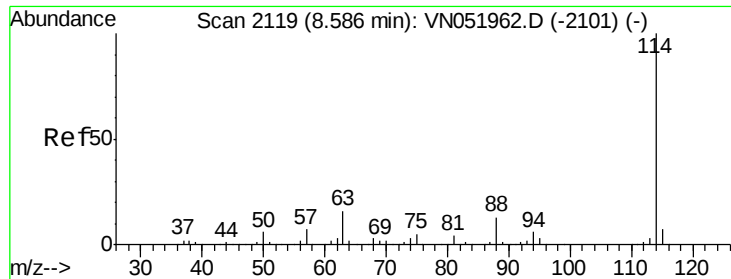
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Tgt Ion: 65 Resp: 593282
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

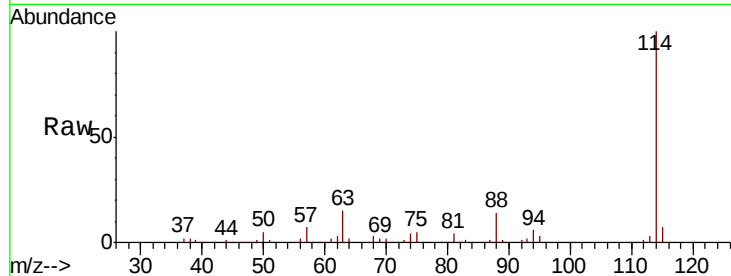




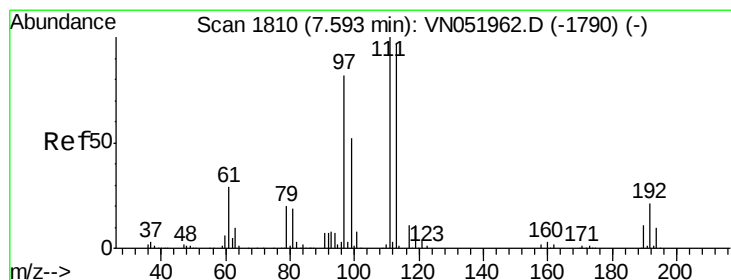
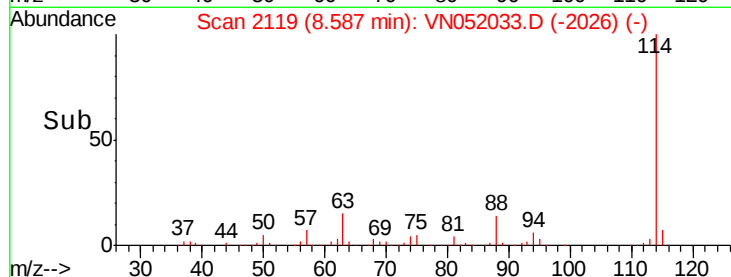
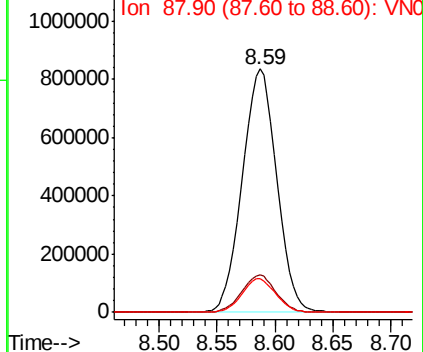
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052033.D
 Acq: 26 Oct 2018 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195ZHE#10

Tot Ion:114 Resp: 1732515
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.2
 88 13.7 0.0 27.0

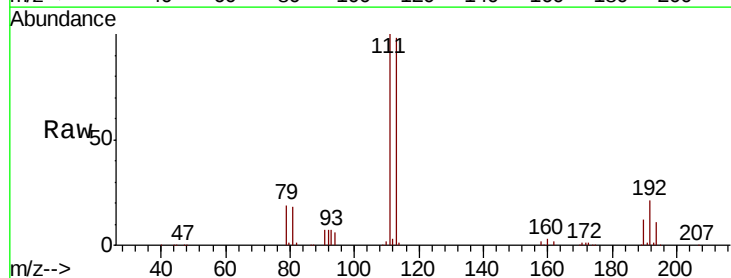


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

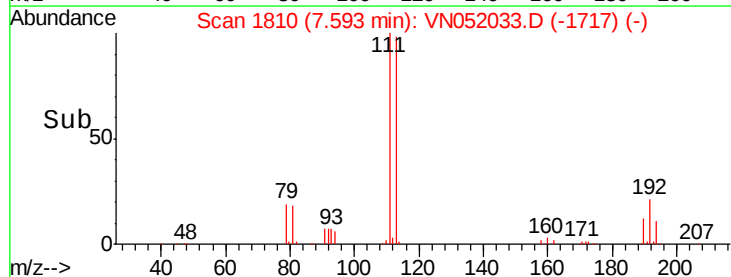
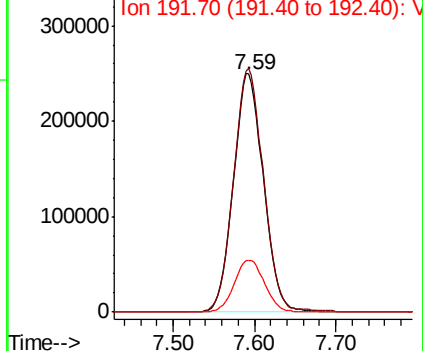


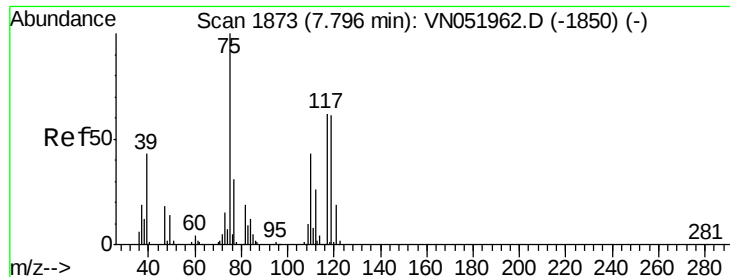
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052033.D
 Acq: 26 Oct 2018 17:27

Tgt Ion:113 Resp: 637577
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 22.1 17.2 25.8



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: 5.062 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#10

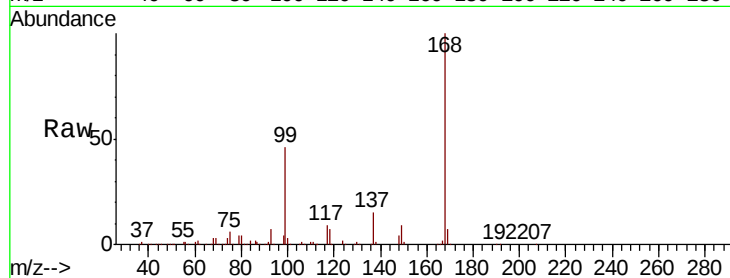
Tot Ion: 75 Resp: 67280

Ion Ratio Lower Upper

75 100

110 10.6 20.9 62.8#

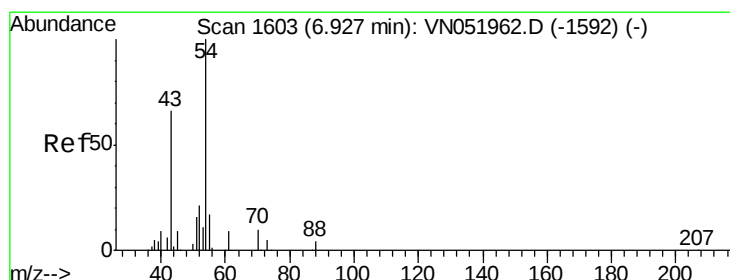
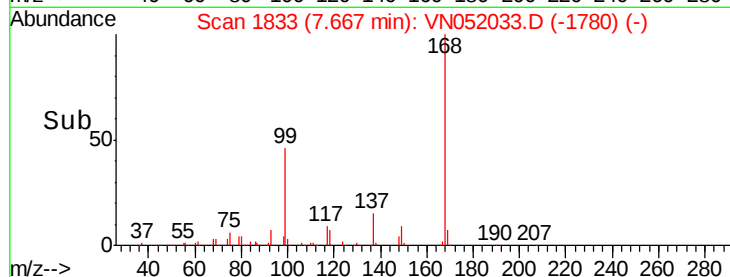
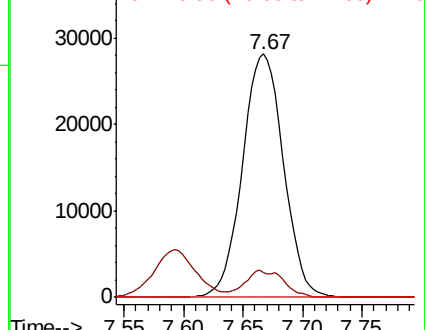
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN051962.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN051962.D (-1850) (-)



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.91 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

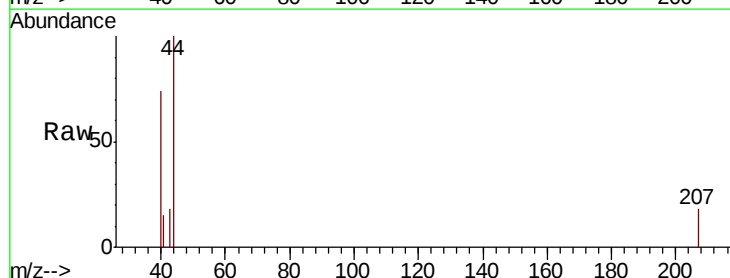
Tgt Ion: 43 Resp: 99

Ion Ratio Lower Upper

43 100

61 0.0 13.5 20.3#

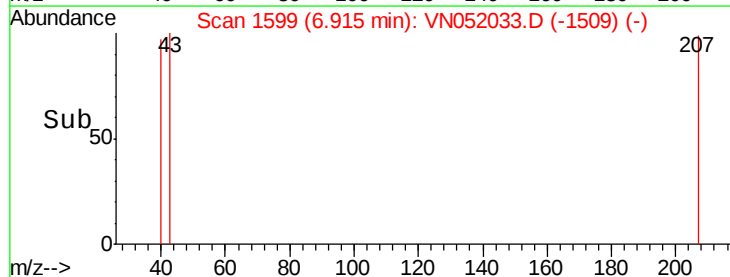
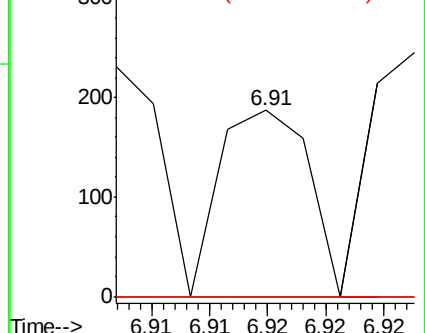
70 0.0 9.8 14.6#

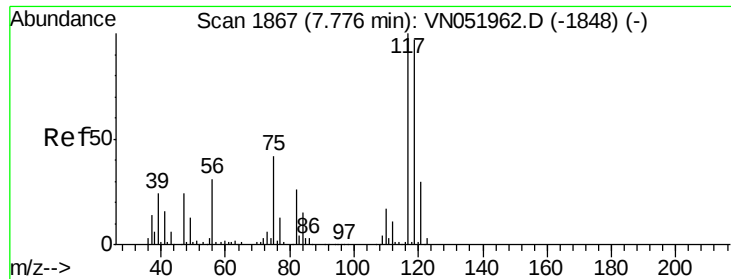


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051962.D (-1592) (-)

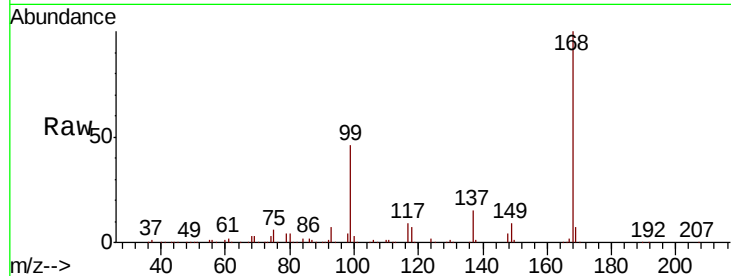




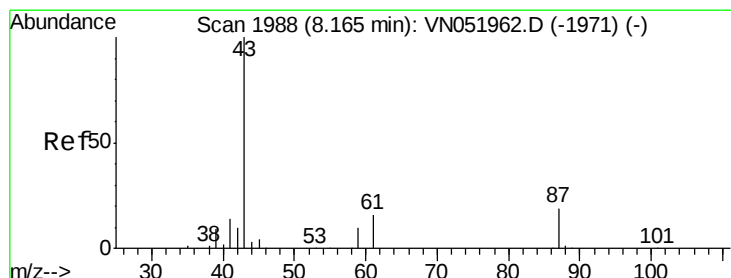
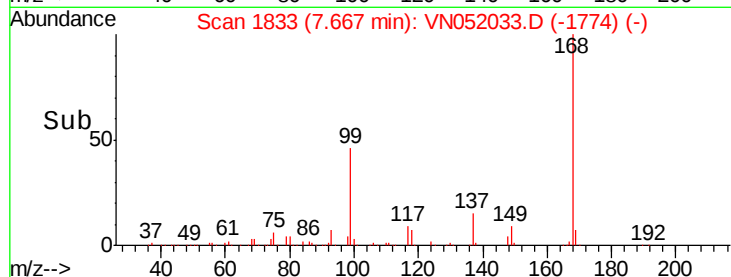
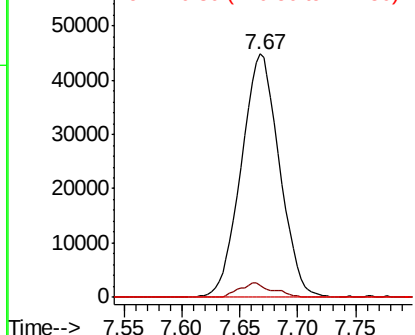
#38
Carbon Tetrachloride
Concen: 6.738 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#10

Tot Ion:117 Resp: 102805
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 24.2 36.4#

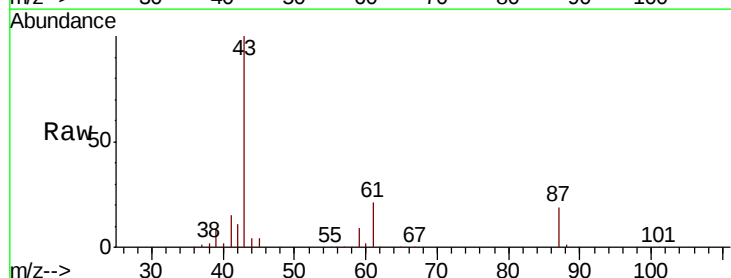


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

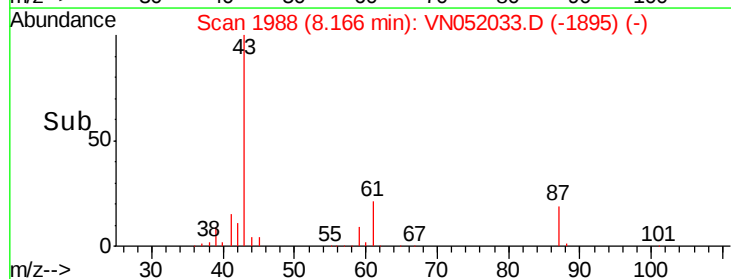
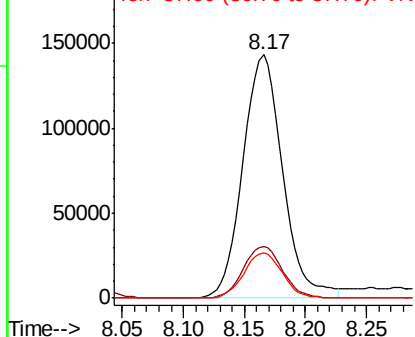


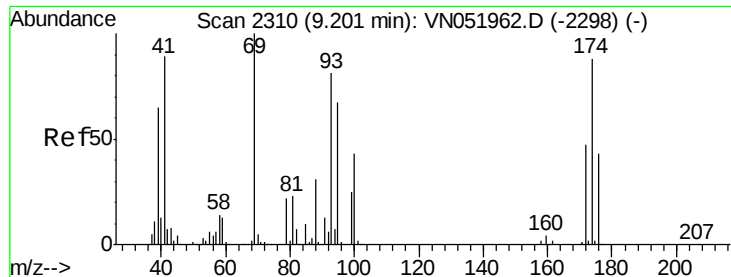
#43
Isopropyl Acetate
Concen: 29.086 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Tgt Ion: 43 Resp: 323732
Ion Ratio Lower Upper
43 100
61 20.9 17.2 25.8
87 17.9 15.2 22.8



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

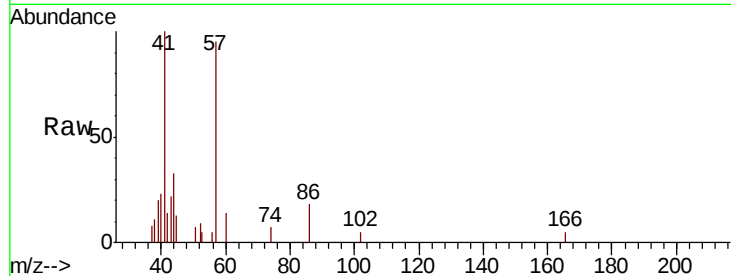




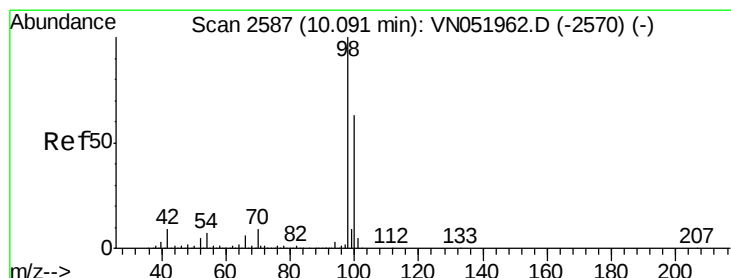
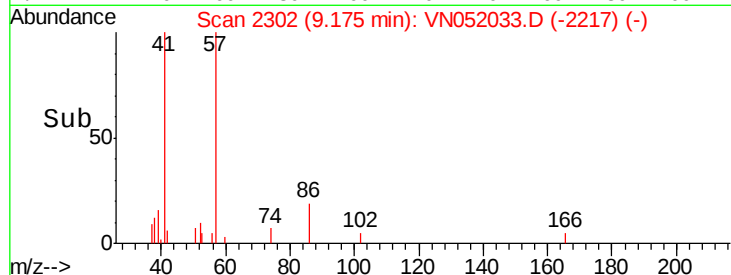
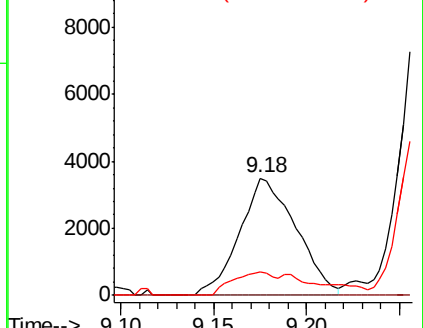
#48
Methvl methacrylate
Concen: 1.377 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.03 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#10

Tot Ion: 41 Resp: 7407
Ion Ratio Lower Upper
41 100
69 0.0 92.2 138.4#
39 15.0 60.2 90.4#

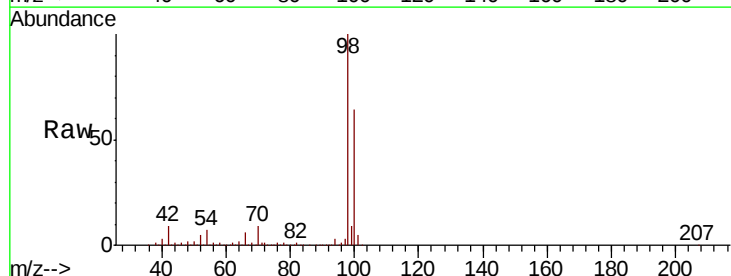


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

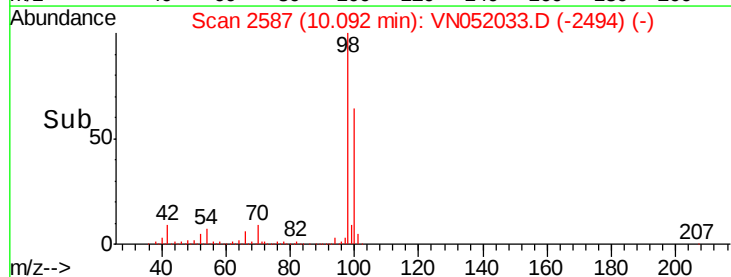
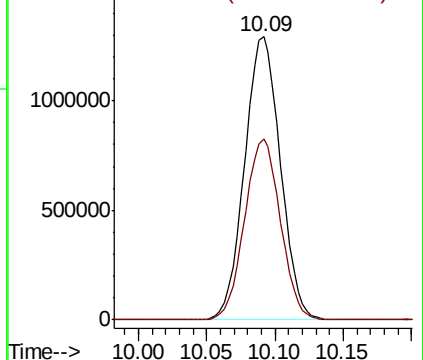


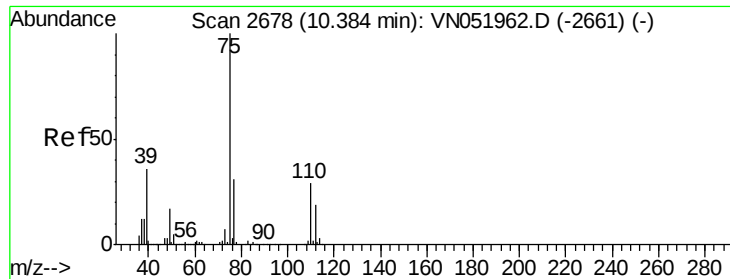
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Tgt Ion: 98 Resp: 2356916
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.251 ug/l

RT: 10.50 min Scan# 2715

Delta R.T. 0.12 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

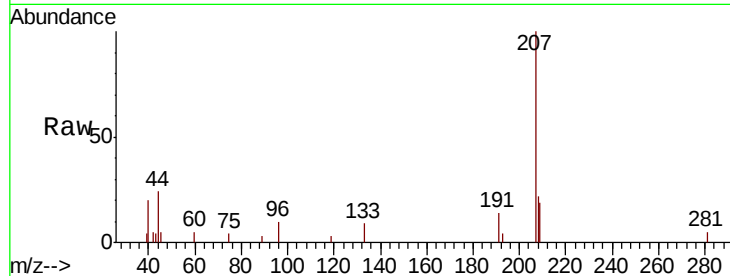
PB114195ZHE#10

Tot Ion: 75 Resp: 100

Ion Ratio Lower Upper

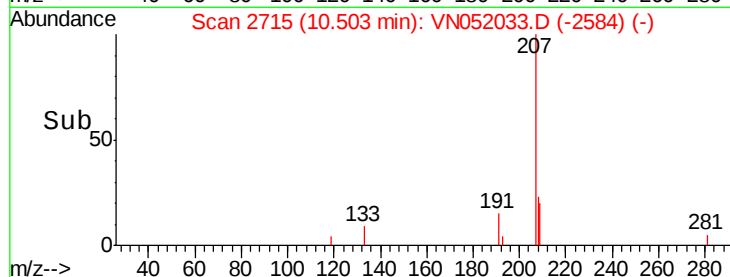
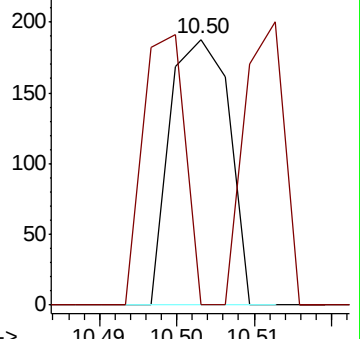
75 100

77 0.0 25.0 37.4#

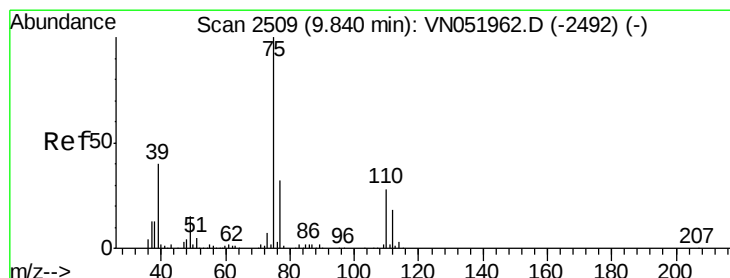


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.218 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

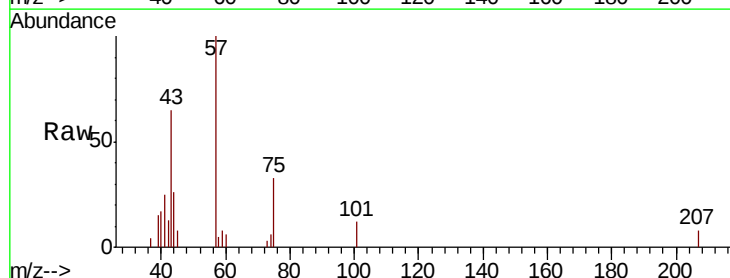
Tgt Ion: 75 Resp: 3101

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

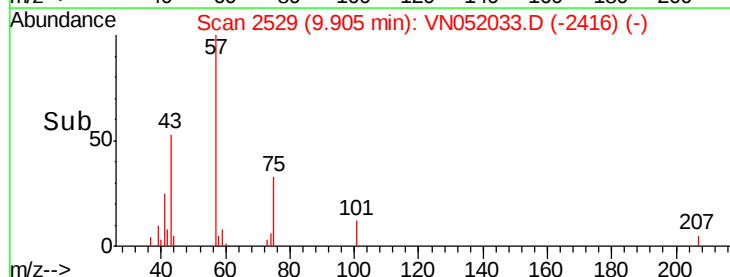
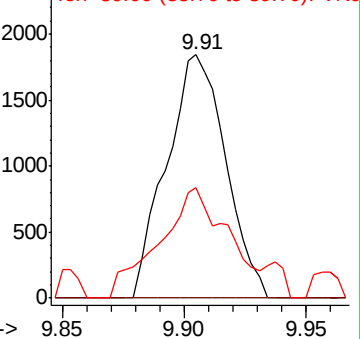
39 33.7 32.0 48.0



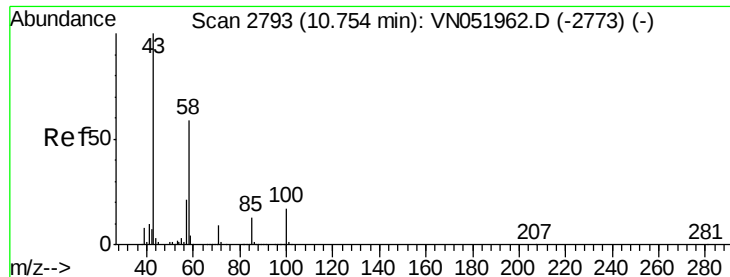
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



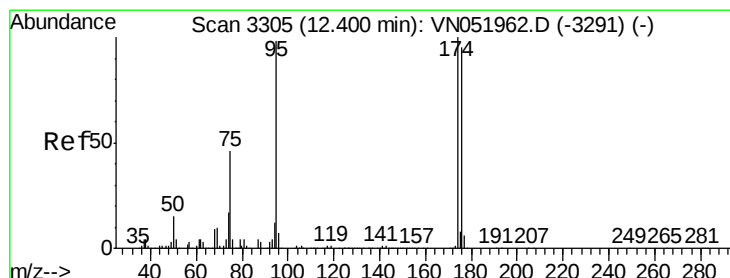
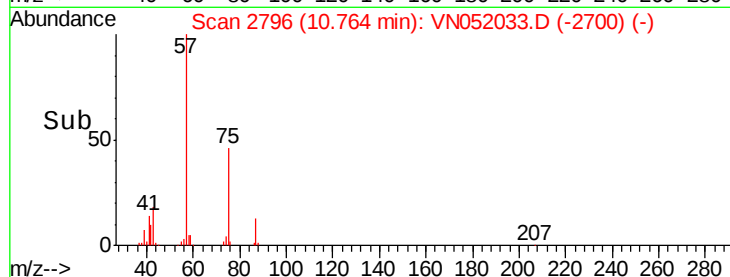
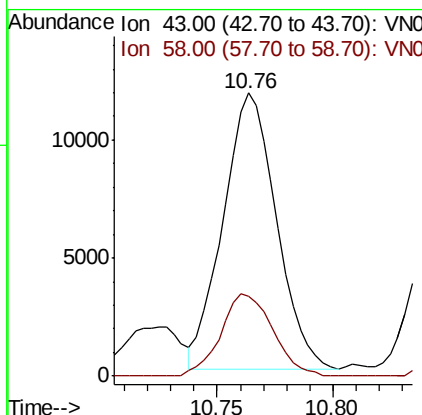
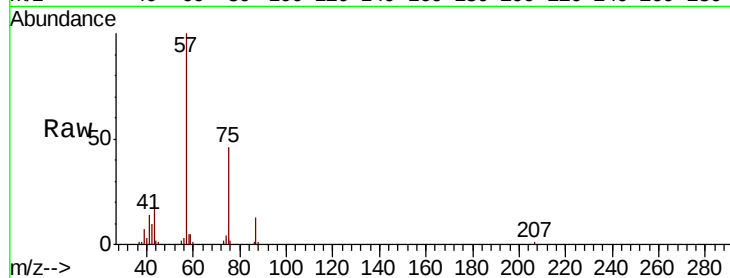
Time-->



#59
2-Hexanone
Concen: 4.523 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

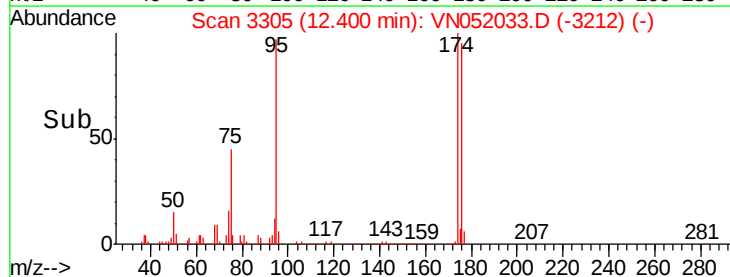
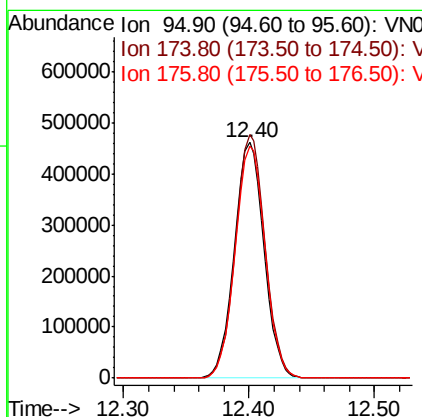
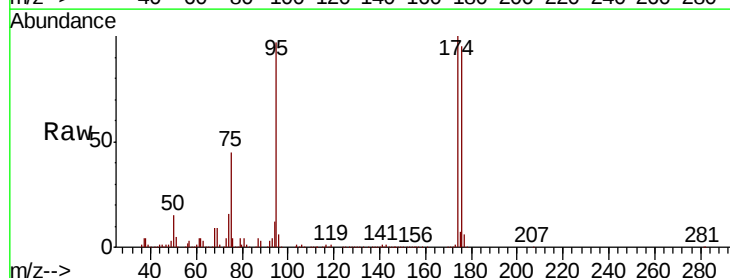
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#10

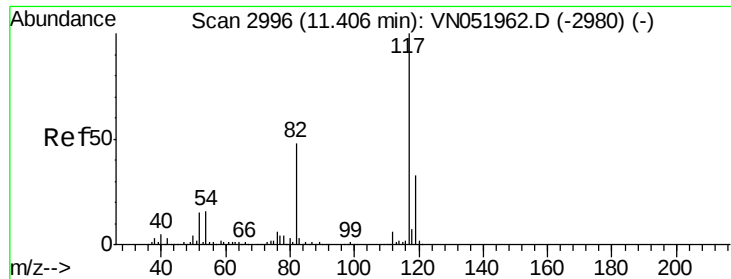
Tot Ion: 43 Resp: 18604
Ion Ratio Lower Upper
43 100
58 29.1 29.9 89.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Tgt Ion: 95 Resp: 756821
Ion Ratio Lower Upper
95 100
174 103.4 0.0 206.0
176 99.4 0.0 198.0

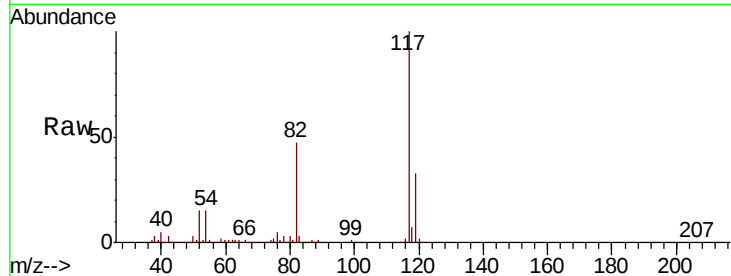




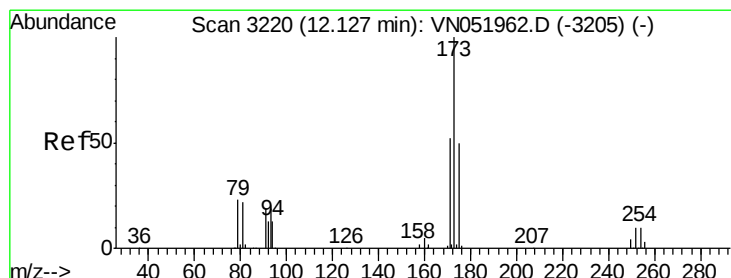
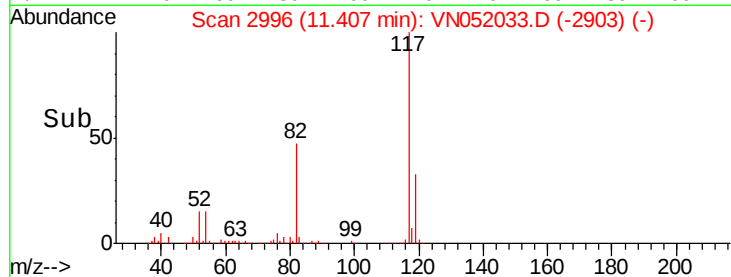
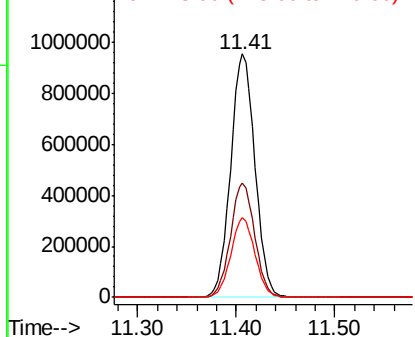
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#10

Tot Ion:117 Resp: 1643339
Ion Ratio Lower Upper
117 100
82 46.8 38.1 57.1
119 32.5 26.4 39.6

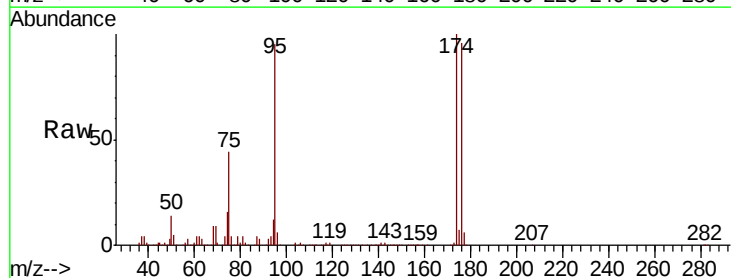


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

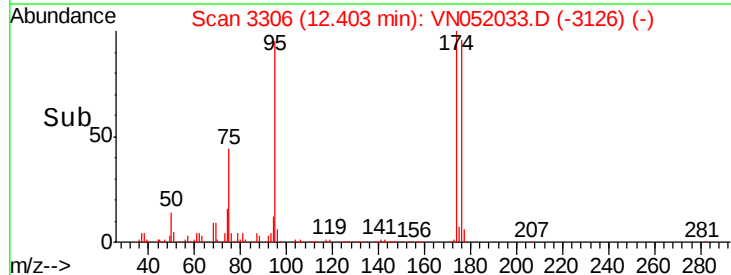
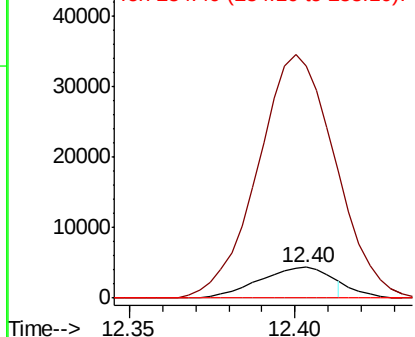


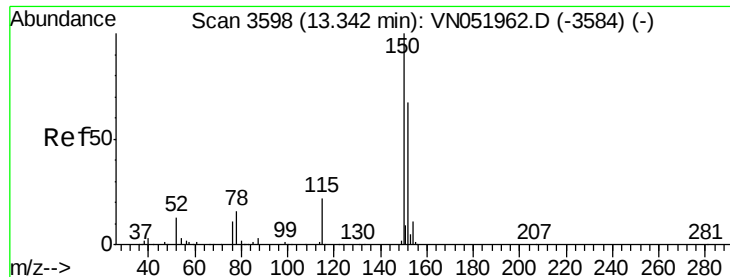
#71
Bromoform
Concen: 4.379 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052033.D
Acq: 26 Oct 2018 17:27

Tgt Ion:173 Resp: 6535
Ion Ratio Lower Upper
173 100
175 776.8 24.6 74.0#
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#10

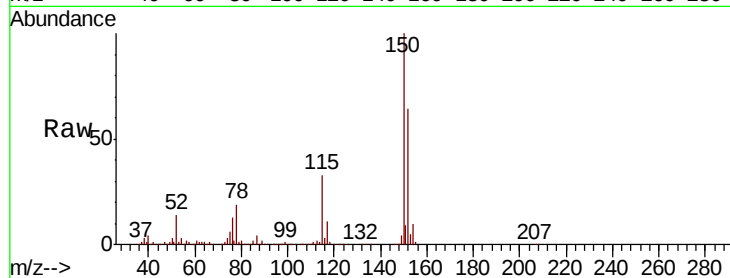
Tot Ion:152 Resp: 765890

Ion Ratio Lower Upper

152 100

115 52.6 25.8 77.3

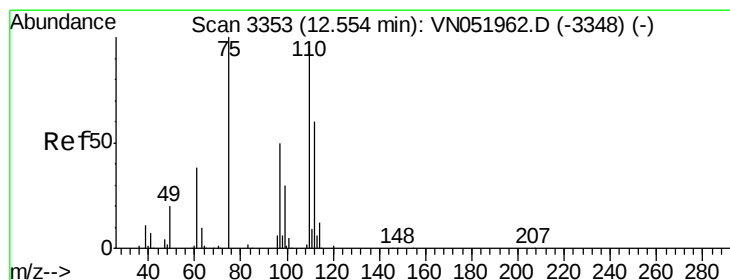
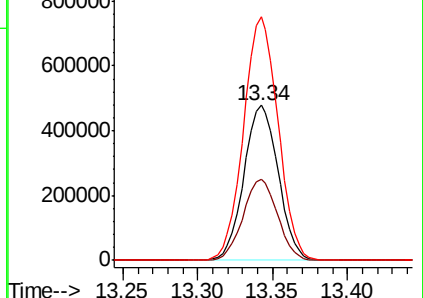
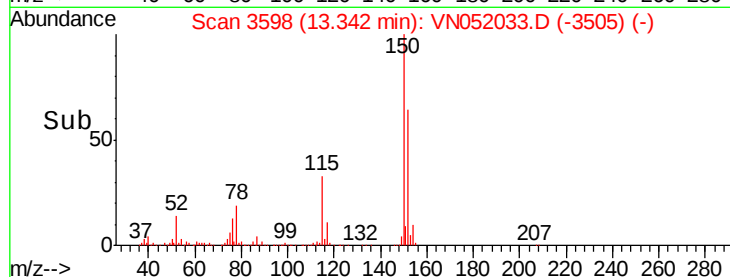
150 157.6 0.0 344.4



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: 45.327 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052033.D

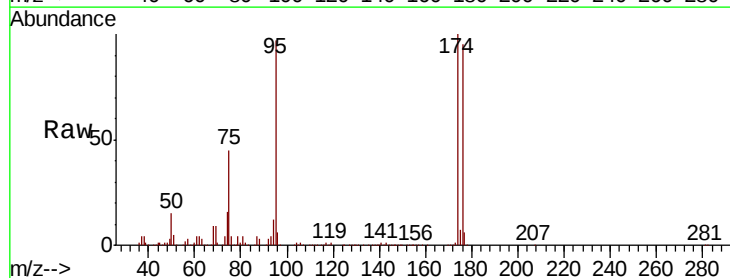
Acq: 26 Oct 2018 17:27

Tgt Ion: 75 Resp: 358595

Ion Ratio Lower Upper

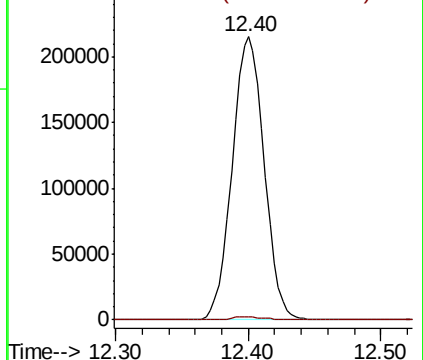
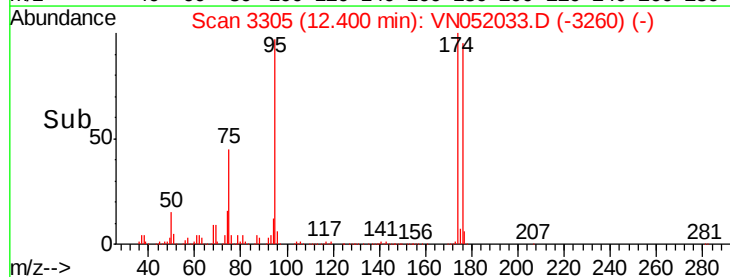
75 100

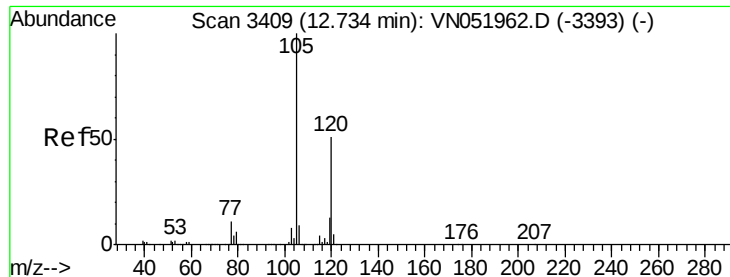
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

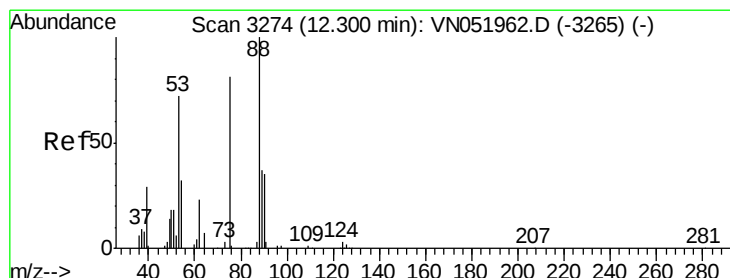
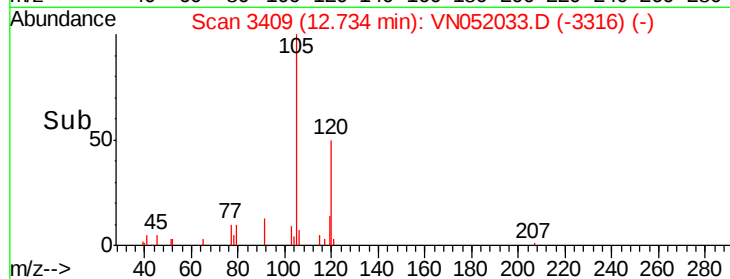
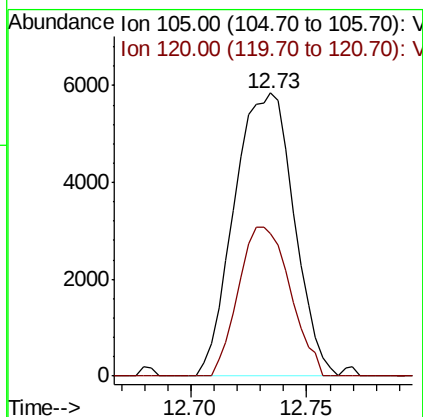
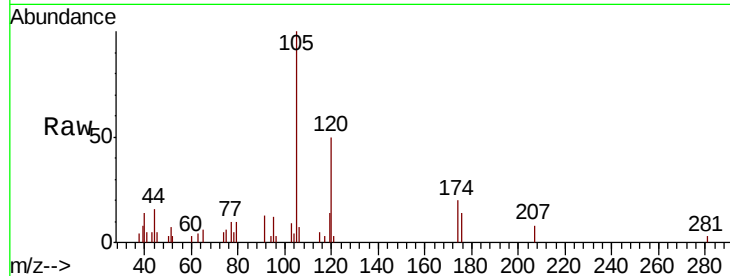




#80
 1,3,5-Trimethylbenzene
 Concen: 0.268 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052033.D
 Acq: 26 Oct 2018 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195ZHE#10

Tot Ion:105 Resp: 10425
 Ion Ratio Lower Upper
 105 100
 120 45.6 25.7 77.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.648 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052033.D
 Acq: 26 Oct 2018 17:27

Tgt Ion: 75 Resp: 358595
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.5 110.3#
 89 0.0 41.6 62.4#

