

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057940.D
 Acq On : 11 Sep 2019 21:38
 Operator : JC/SP
 Sample : K4848-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-9-11-19

Quant Time: Sep 12 02:32:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	289078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	318577	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
35) Dibromofluoromethane	7.58	113	215784	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	10.09	98	883310	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.41	95	284406	43.05	ug/l	0.00
Spiked Amount			Recovery	=	86.10%	

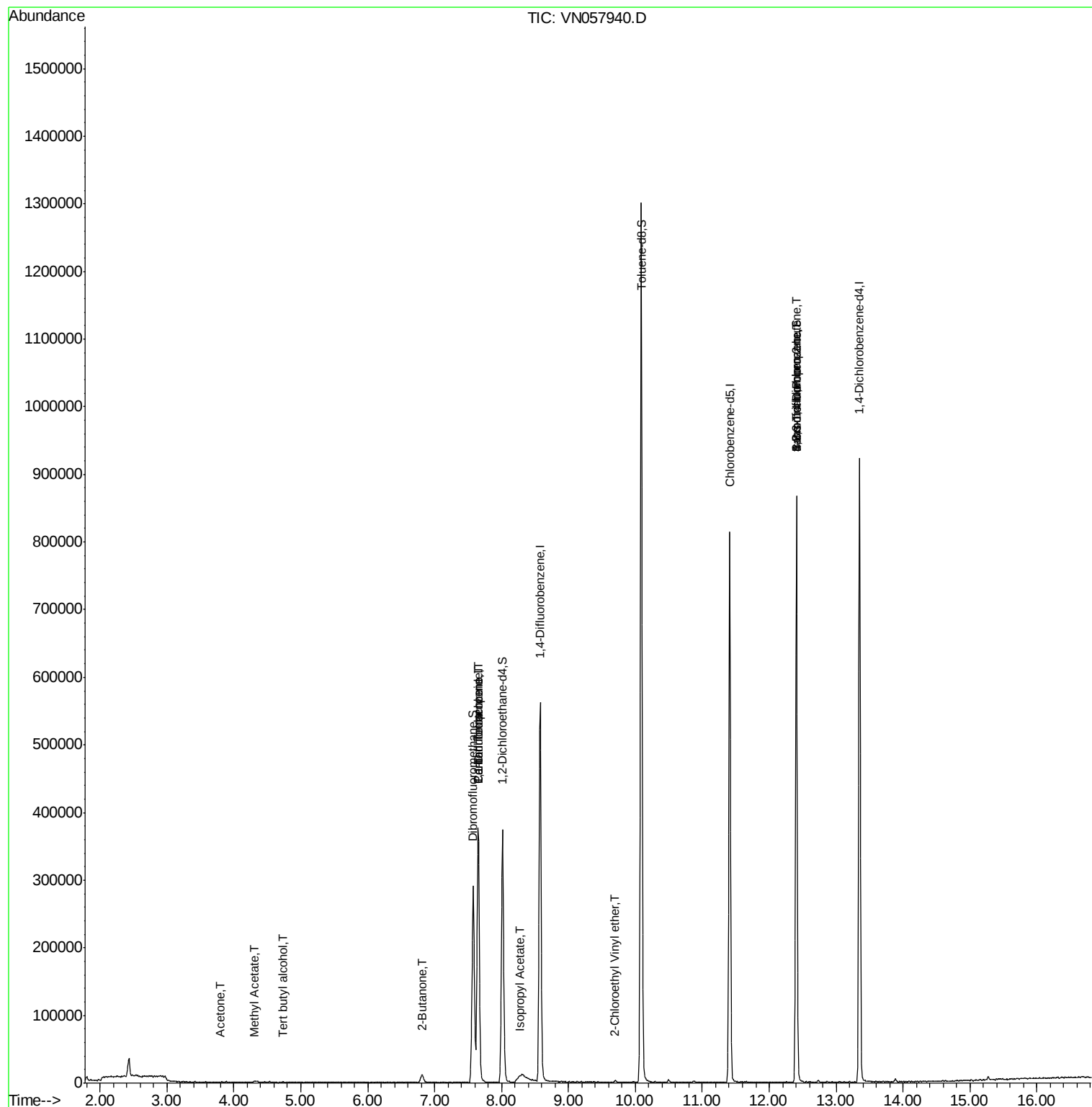
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	64	Below Cal	#	35
11) Tert butyl alcohol	4.74	59	453	0.639	ug/l #	72
16) Acetone	3.80	43	575	0.300	ug/l #	47
18) Methyl Acetate	4.31	43	1866	0.365	ug/l #	53
20) Methylene Chloride	4.53	84	410	Below Cal	#	22
25) 2-Butanone	6.81	43	579	0.208	ug/l #	49
31) Cyclohexane	7.65	56	7679	Below Cal	#	9
36) 1,1-Dichloropropene	7.65	75	25288	4.507	ug/l #	50
38) Carbon Tetrachloride	7.65	117	30522	5.958	ug/l #	16
43) Isopropyl Acetate	8.27	43	10455	1.072	ug/l #	56
58) 2-Chloroethyl Vinyl ether	9.69	63	1131	0.354	ug/l #	77
71) Bromoform	12.41	173	1028	0.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	158068	30.578	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	158068	107.605	ug/l #	6
95) Naphthalene	15.14	128	489	Below Cal	#	69

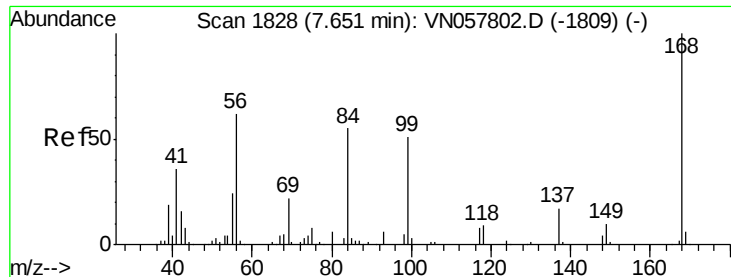
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057940.D

Acq: 11 Sep 2019 21:38

Instrument :

MSVOA_N

ClientSampled :

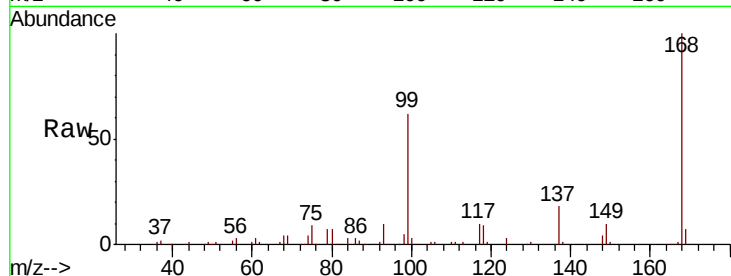
TB-9-11-19

Tgt Ion: 168 Resp: 289078

Ion Ratio Lower Upper

168 100

99 61.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

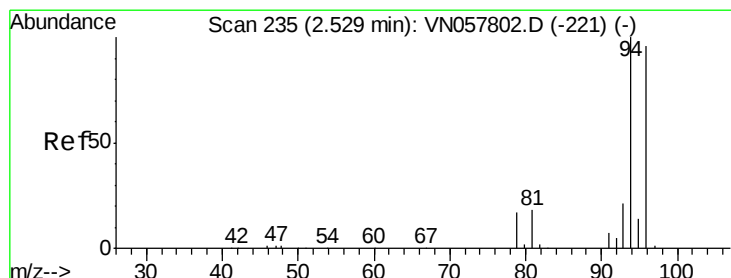
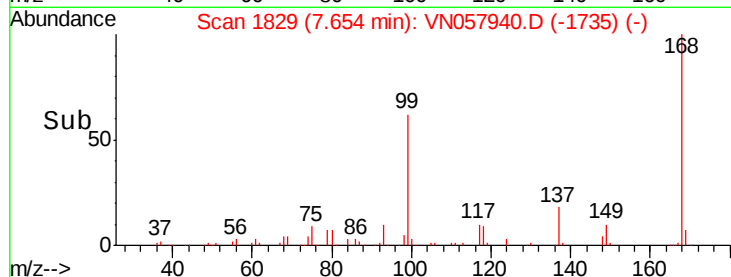
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057940.D

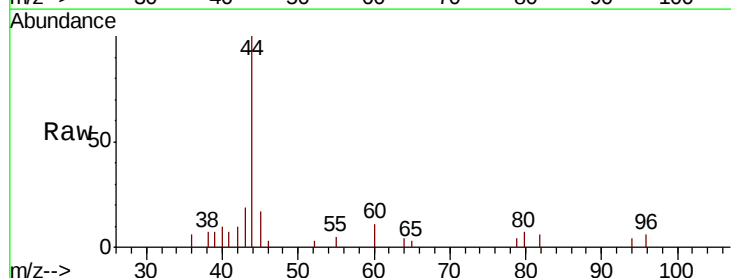
Acq: 11 Sep 2019 21:38

Tgt Ion: 94 Resp: 64

Ion Ratio Lower Upper

94 100

96 32.5 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.55

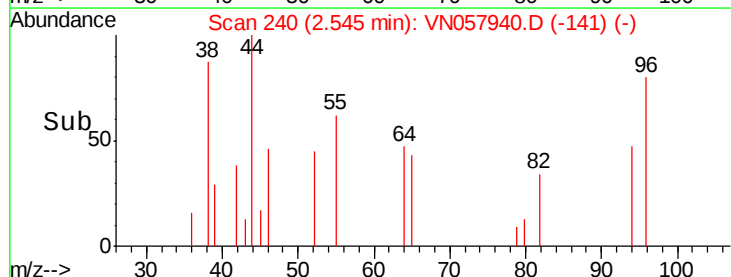
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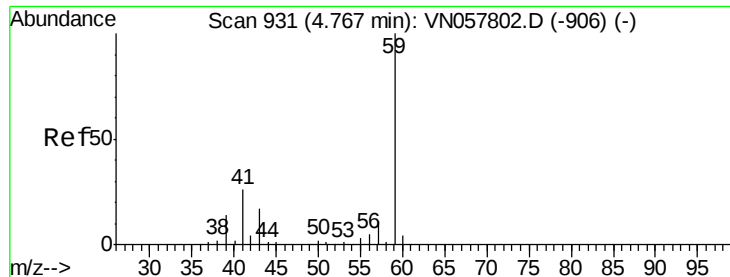
200

100

0

Time-->

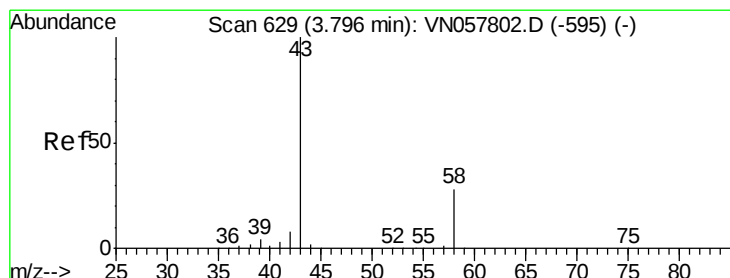
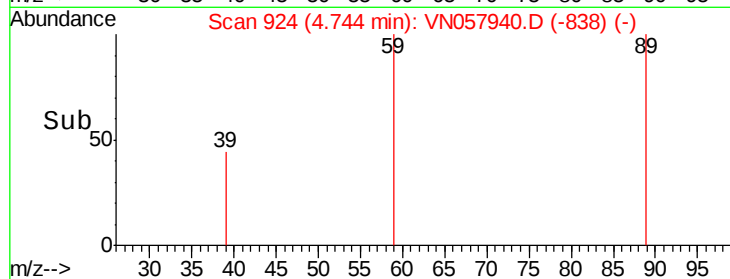
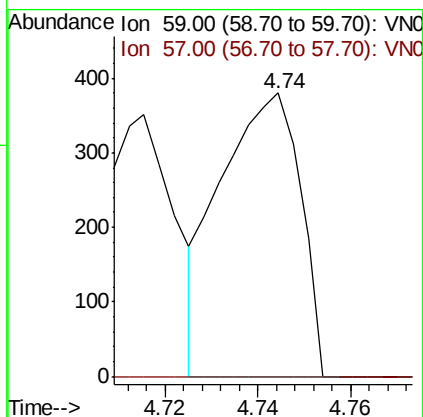
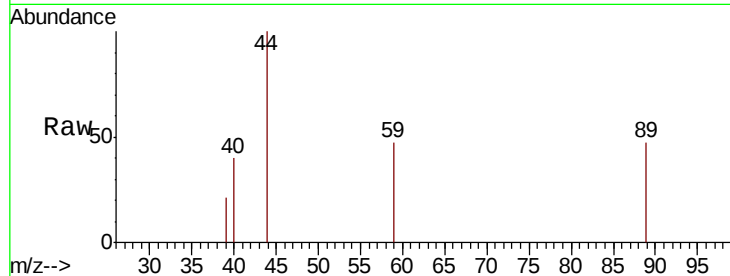




#11
Tert butyl alcohol
Concen: 0.639 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.02 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

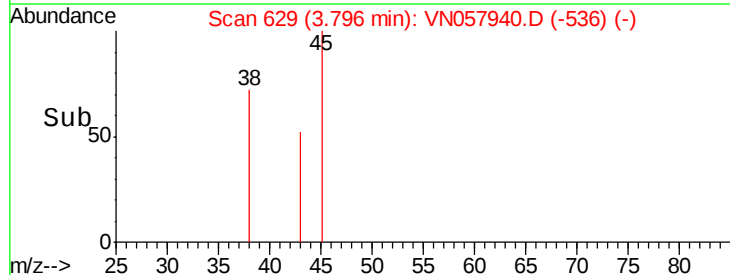
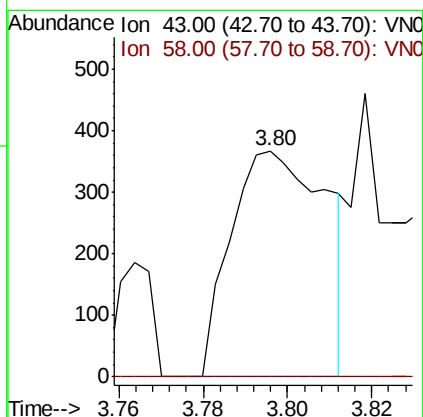
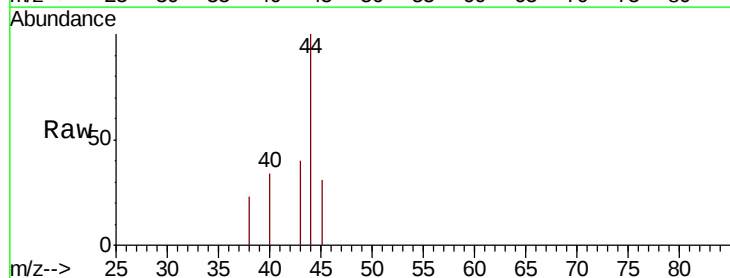
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ClientSampleId :
TB-9-11-19

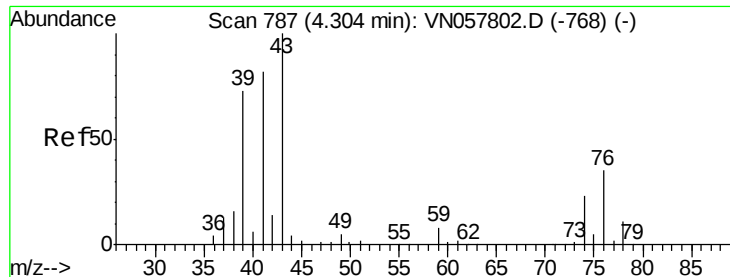
Tgt Ion: 59 Resp: 453
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 0.300 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
58 0.0 22.2 33.2#

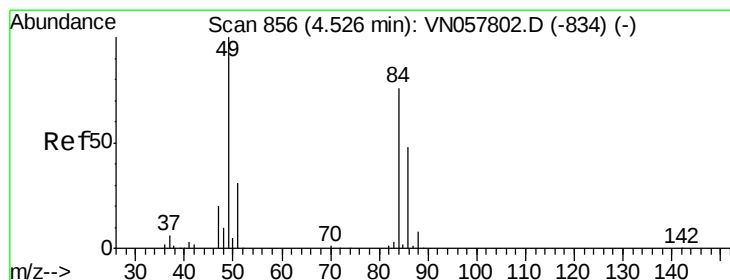
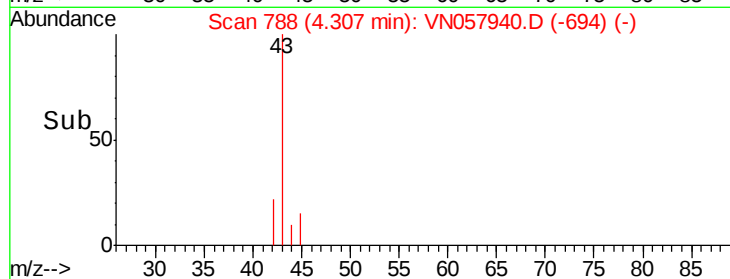
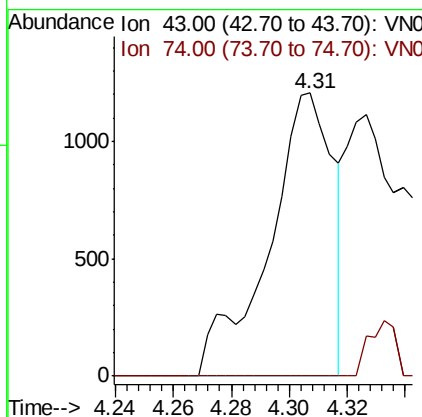
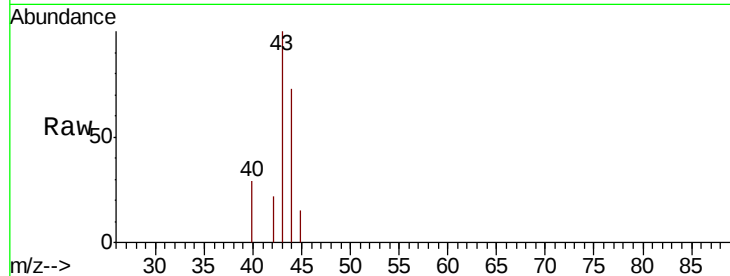




#18
Methyl Acetate
Concen: 0.365 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

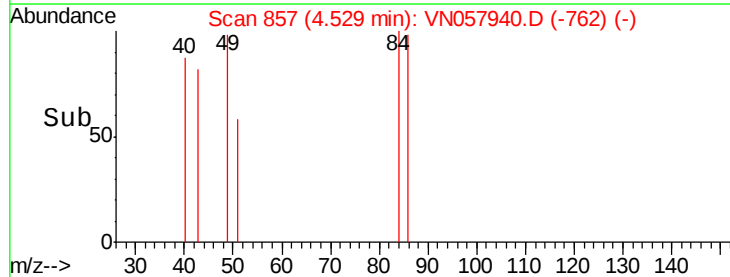
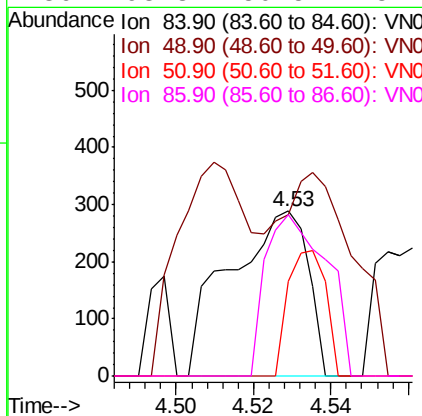
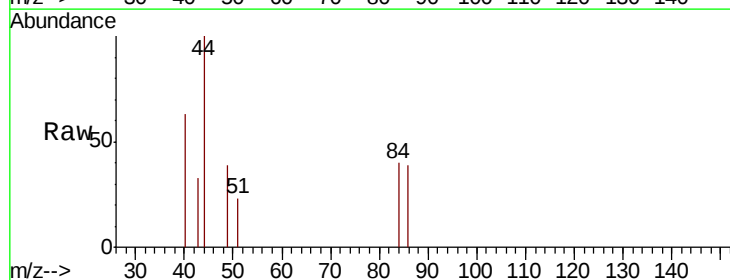
Instrument :
MSVOA_N
ClientSampled :
TB-9-11-19

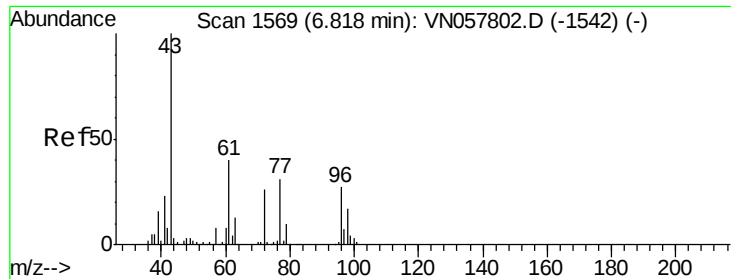
Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

Tgt Ion: 84 Resp: 410
Ion Ratio Lower Upper
84 100
49 3.5 104.8 157.2#
51 58.0 33.0 49.4#
86 98.3 50.5 75.7#





#25

2-Butanone

Concen: 0.208 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN057940.D

Acq: 11 Sep 2019 21:38

Instrument :

MSVOA_N

ClientSampled :

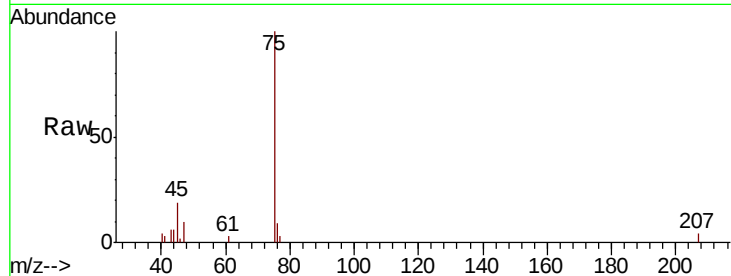
TB-9-11-19

Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

43 100

72 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

400

300

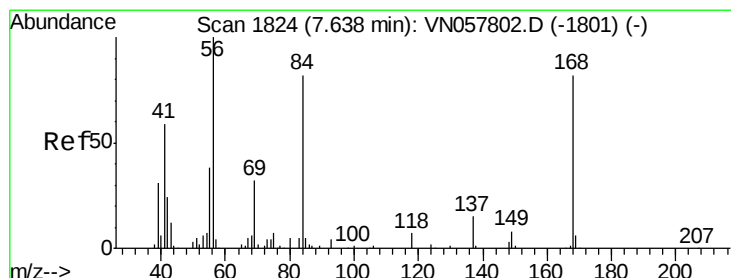
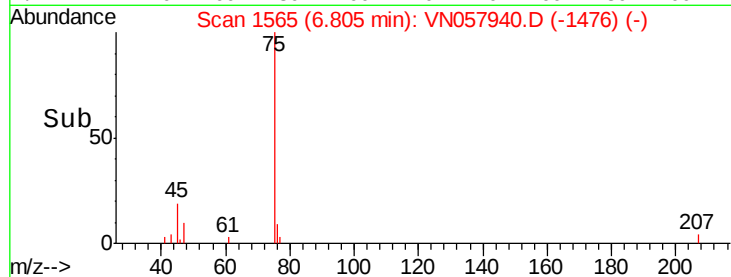
200

100

0

6.80 6.82 6.84

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057940.D

Acq: 11 Sep 2019 21:38

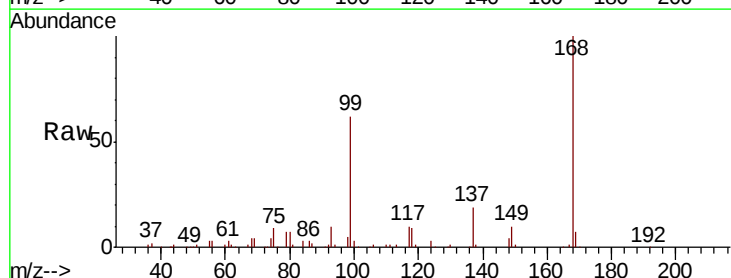
Tgt Ion: 56 Resp: 7679

Ion Ratio Lower Upper

56 100

69 150.7 25.9 38.9#

84 121.4 65.6 98.4#



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

6000

5000

4000

3000

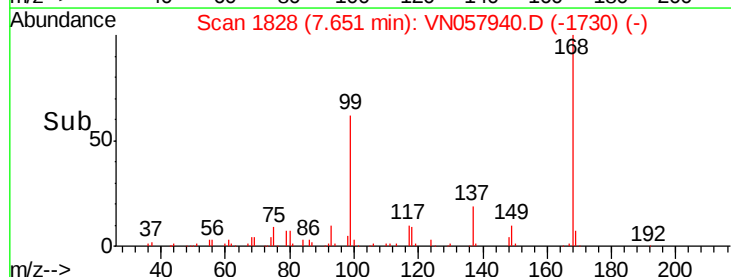
2000

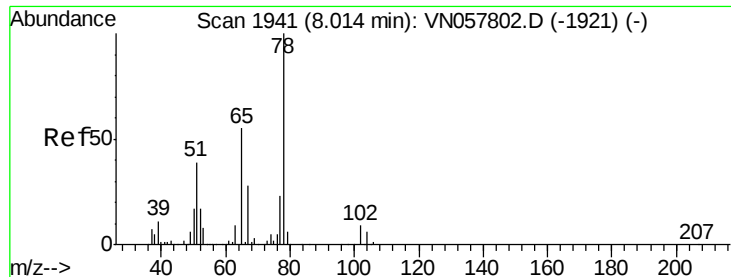
1000

0

7.60 7.65 7.70

Time-->

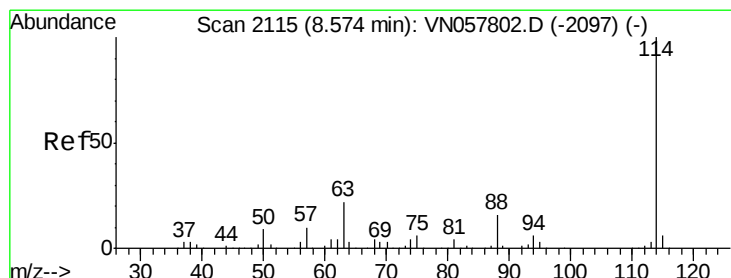
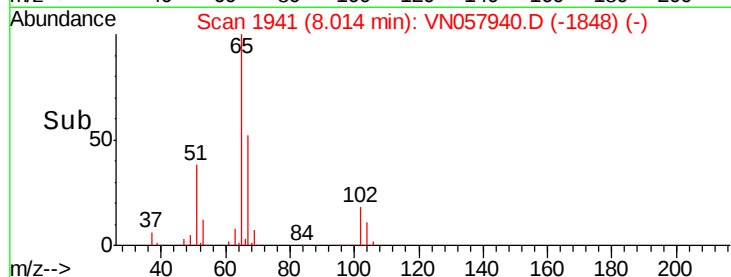
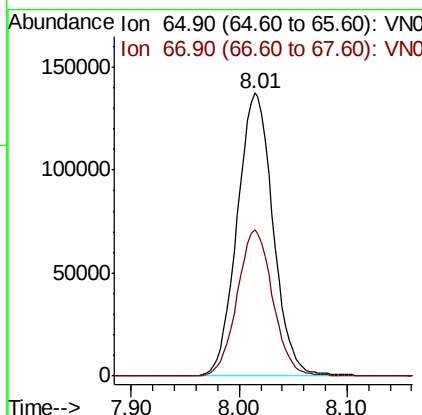
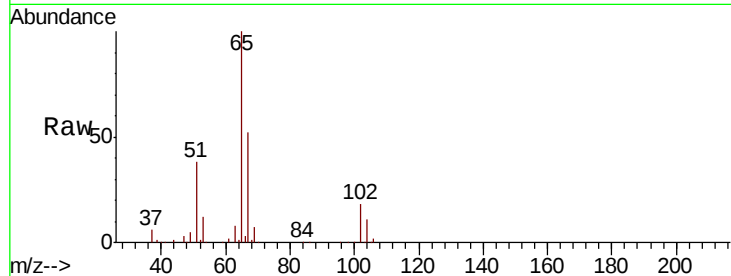




#33
 1,2-Dichloroethane-d4
 Concen: 54.411 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057940.D
 Acq: 11 Sep 2019 21:38

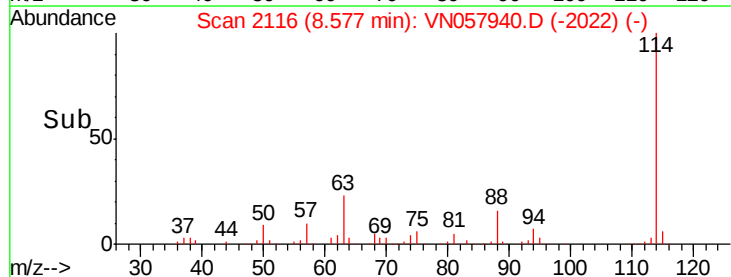
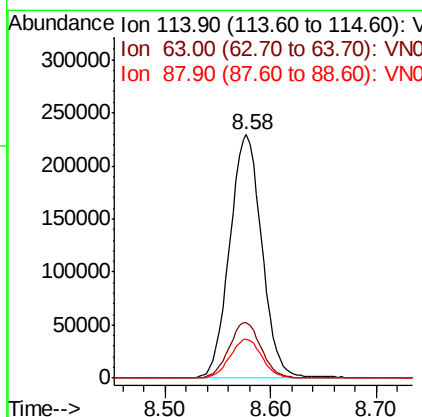
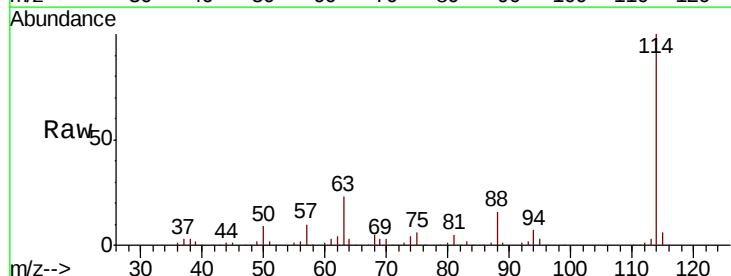
Instrument :
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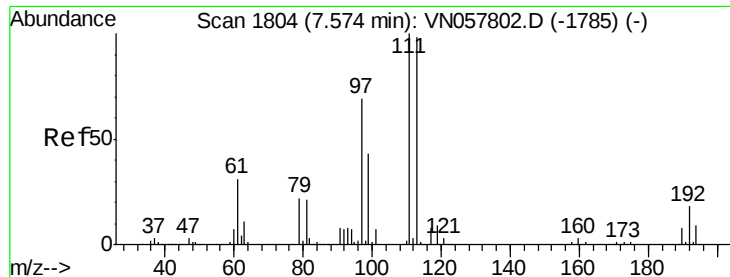
Tgt Ion: 65 Resp: 318577
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057940.D
 Acq: 11 Sep 2019 21:38

Tgt Ion: 114 Resp: 483800
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.0
 88 16.0 0.0 31.4

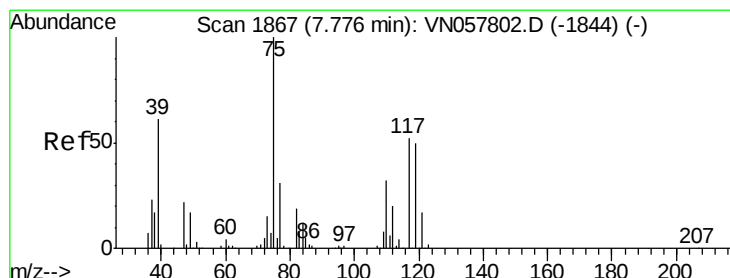
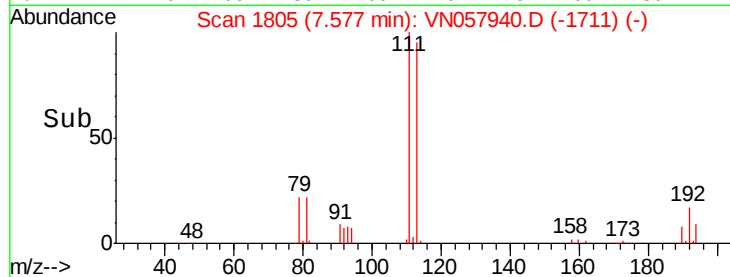
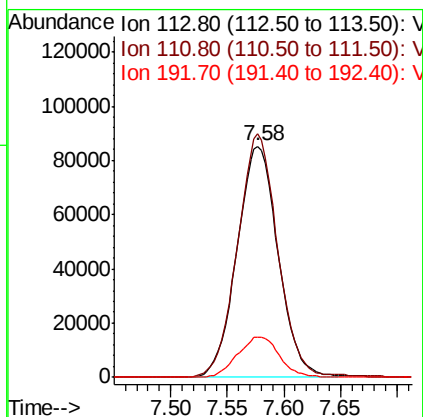
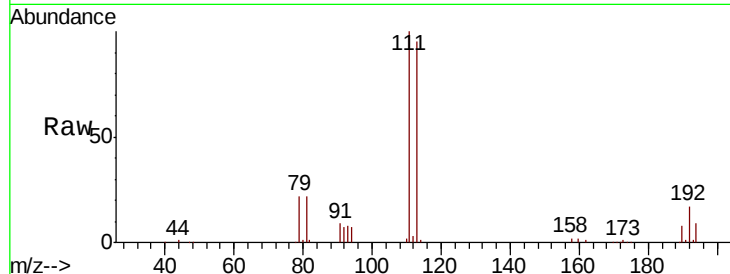




#35
 Dibromofluoromethane
 Concen: 48.325 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057940.D
 Acq: 11 Sep 2019 21:38

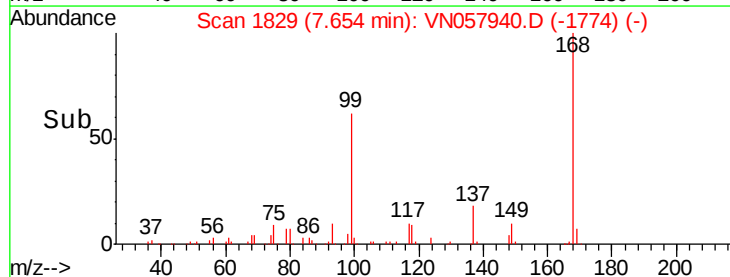
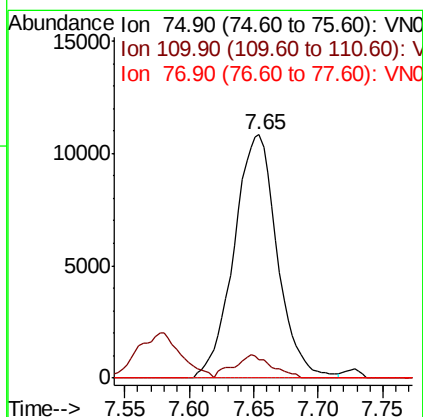
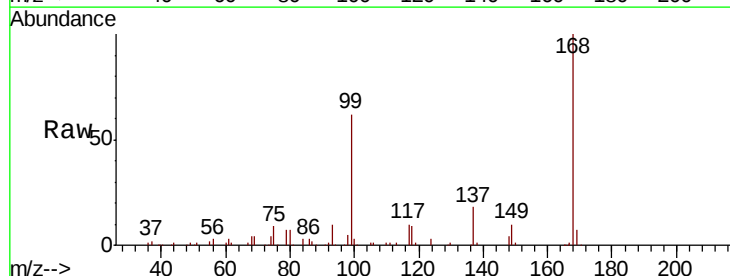
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 TB-9-11-19

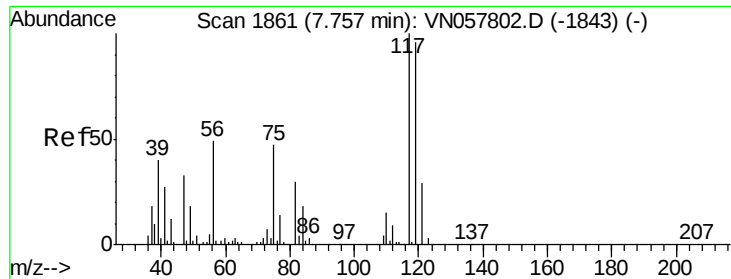
Tgt Ion: 113 Resp: 215784
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.3 121.9
 192 18.0 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.507 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057940.D
 Acq: 11 Sep 2019 21:38

Tgt Ion: 75 Resp: 25288
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.3 48.9#
 77 0.0 25.0 37.4#

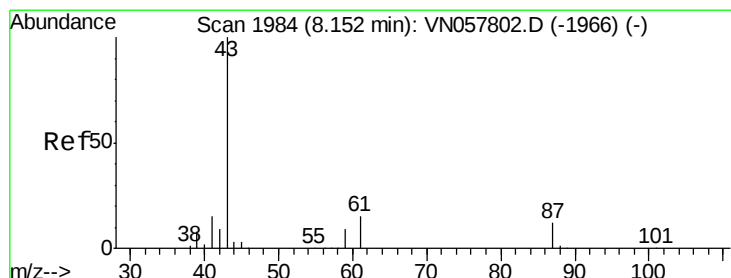
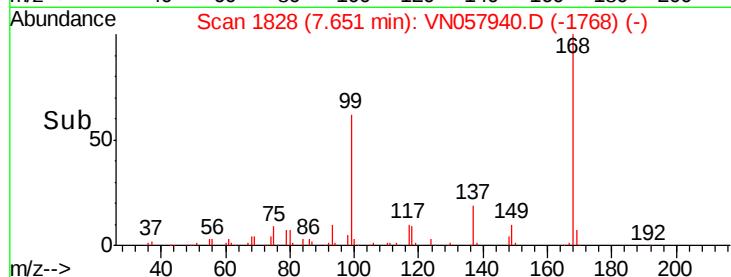
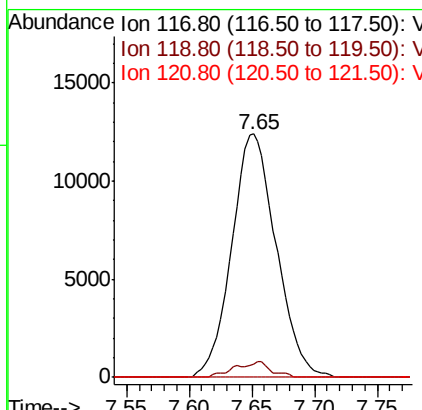
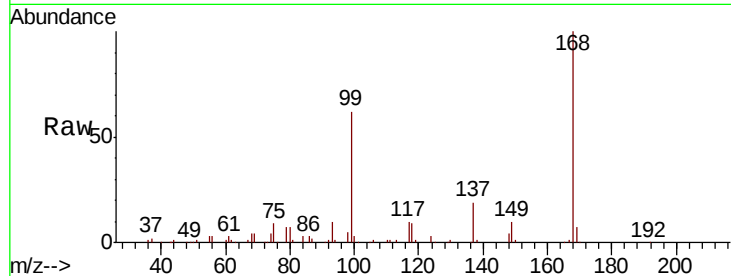




#38
Carbon Tetrachloride
Concen: 5.958 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

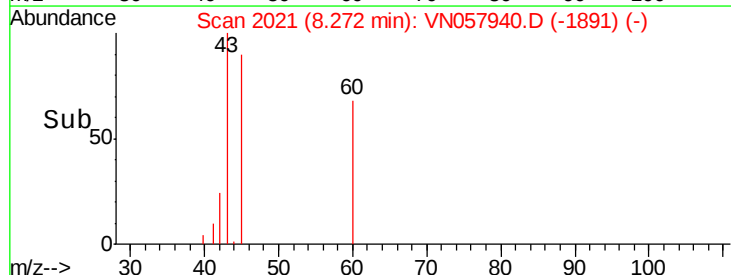
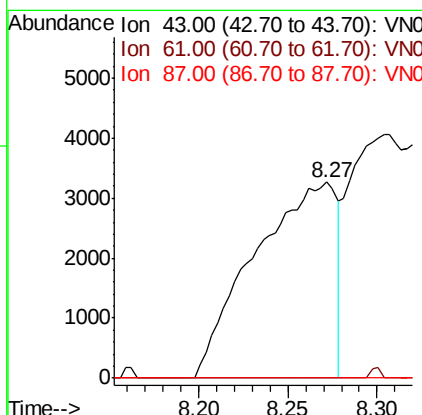
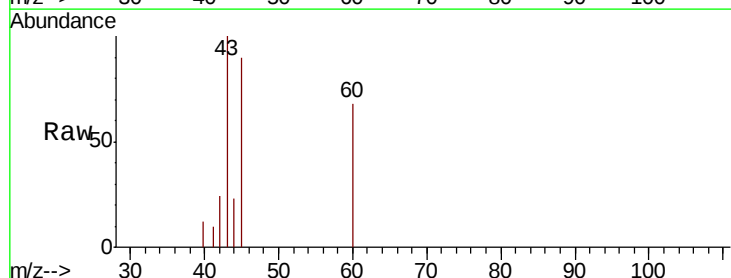
Instrument :
MSVOA_N
ClientSampled :
TB-9-11-19

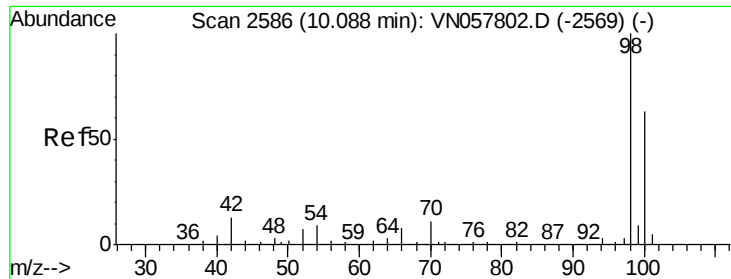
Tgt Ion:117 Resp: 30522
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 1.072 ug/l
RT: 8.27 min Scan# 2021
Delta R.T. 0.12 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

Tgt Ion: 43 Resp: 10455
Ion Ratio Lower Upper
43 100
61 0.0 20.1 30.1#
87 0.0 9.5 14.3#

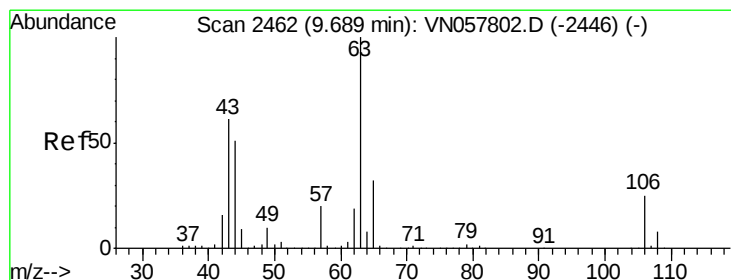
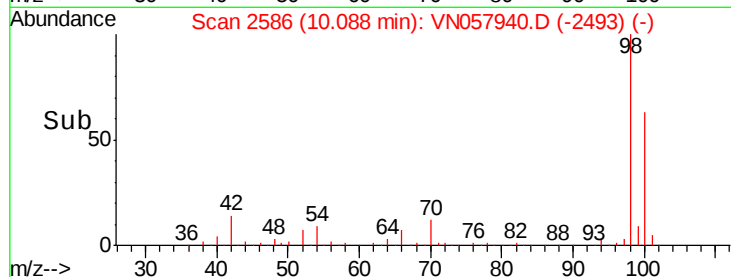
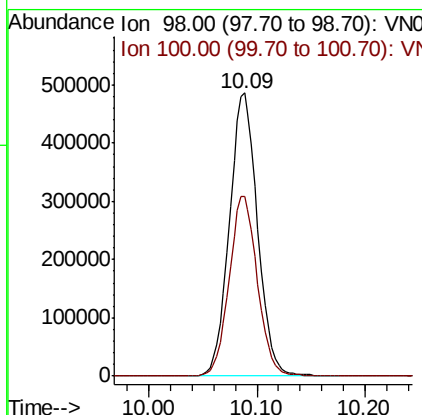
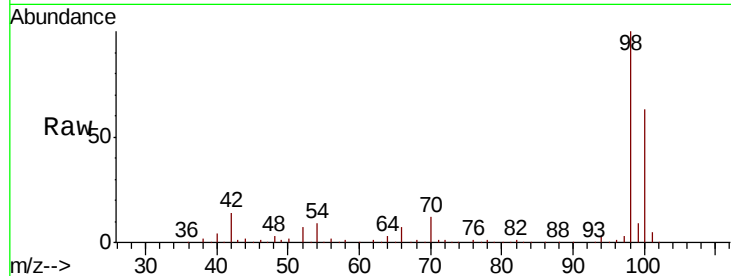




#50
Toluene-d8
Concen: 50.951 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

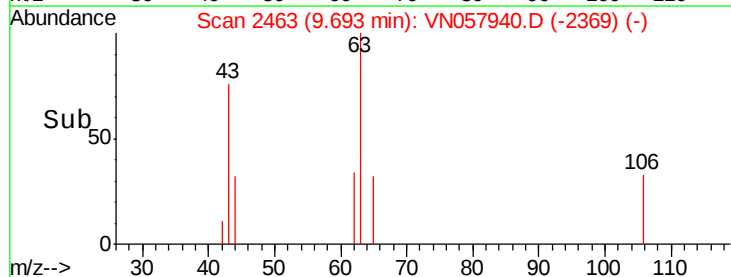
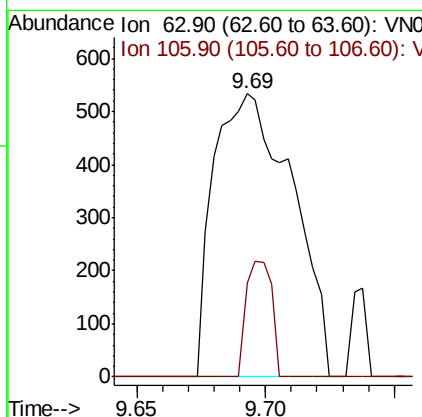
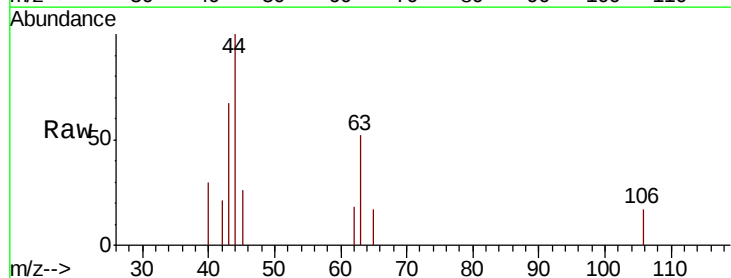
Instrument :
MSVOA_N
ClientSampled :
TB-9-11-19

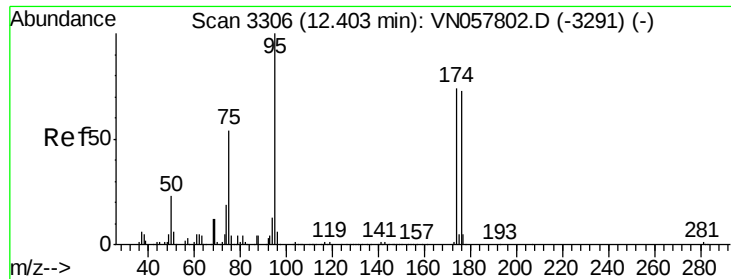
Tgt Ion: 98 Resp: 883310
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#58
2-Chloroethyl Vinyl ether
Concen: 0.354 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

Tgt Ion: 63 Resp: 1131
Ion Ratio Lower Upper
63 100
106 13.4 20.0 30.0#

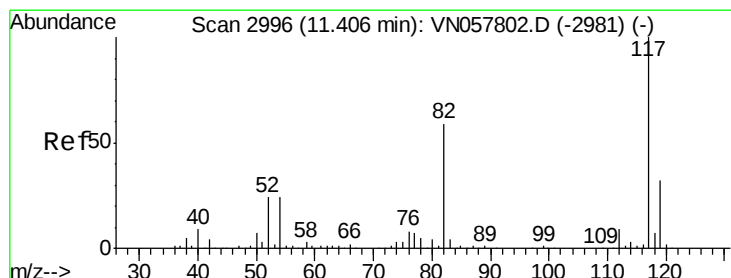
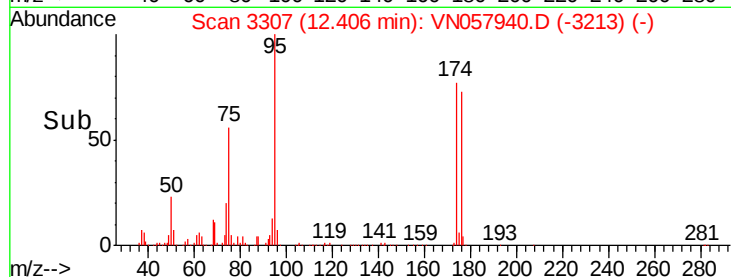
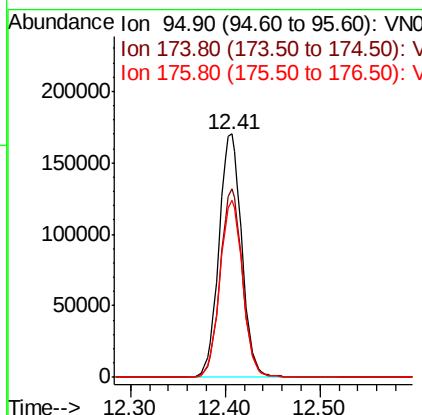
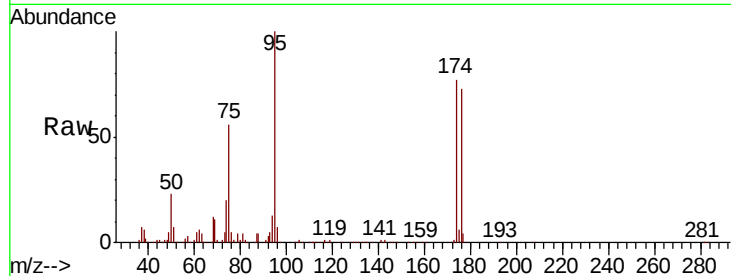




#62
4-Bromofluorobenzene
Concen: 43.048 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

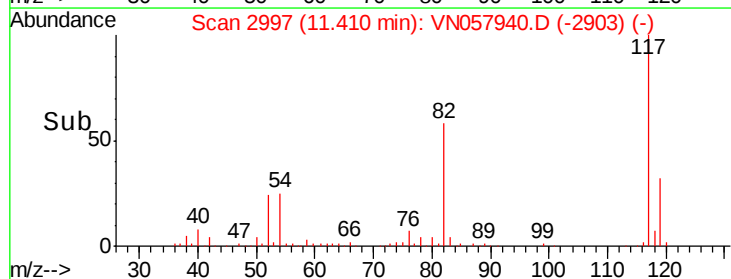
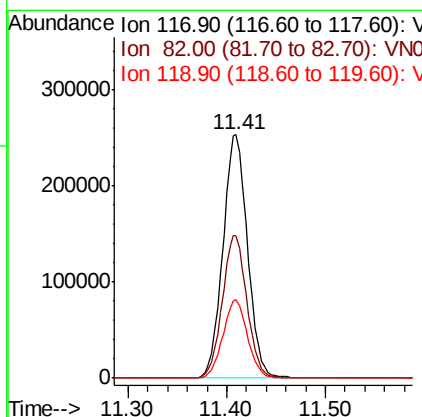
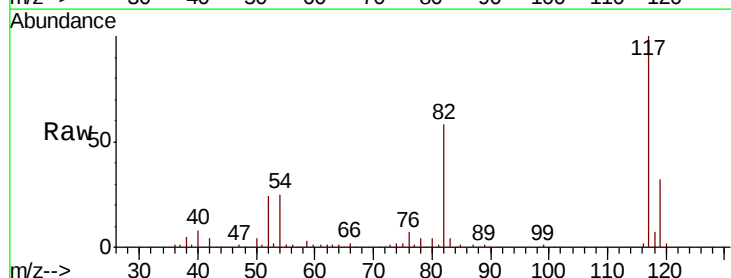
Instrument :
MSVOA_N
ClientSampled :
TB-9-11-19

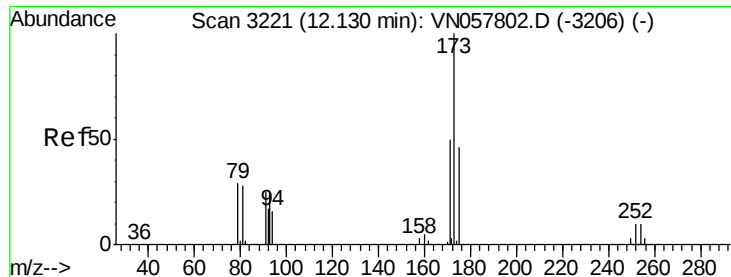
Tgt Ion: 95 Resp: 284406
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.2
176 72.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

Tgt Ion: 117 Resp: 441976
Ion Ratio Lower Upper
117 100
82 58.3 47.2 70.8
119 32.1 25.3 37.9

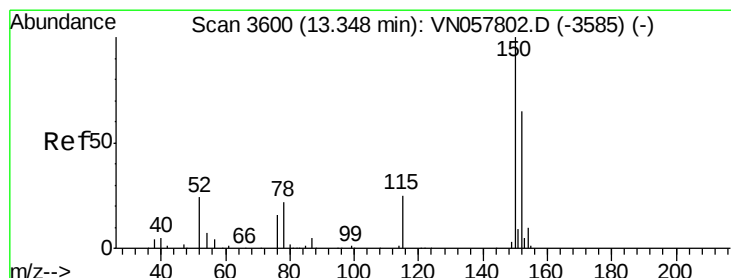
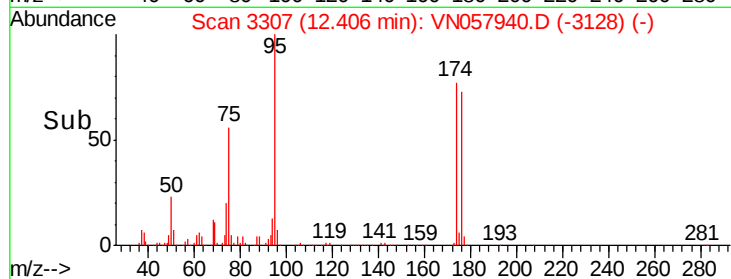
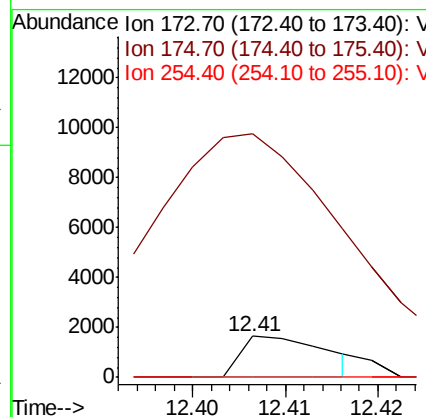
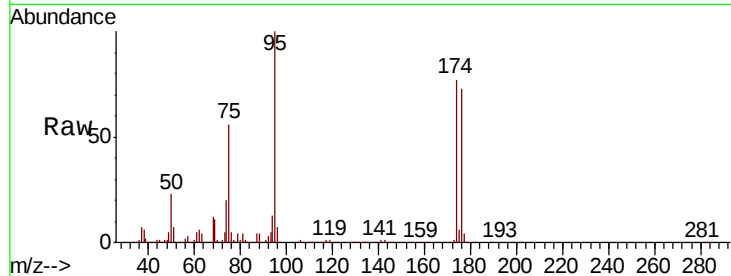




#71
Bromoform
Concen: 0.411 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

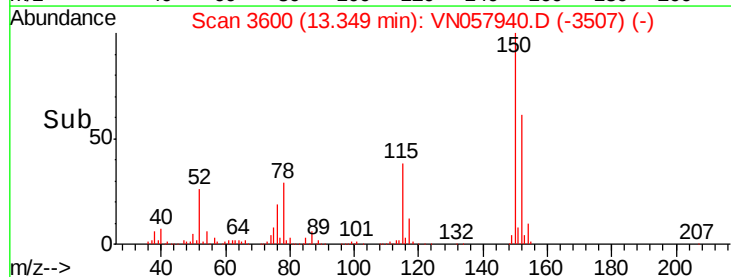
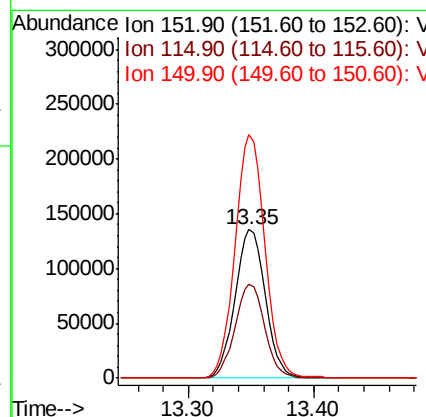
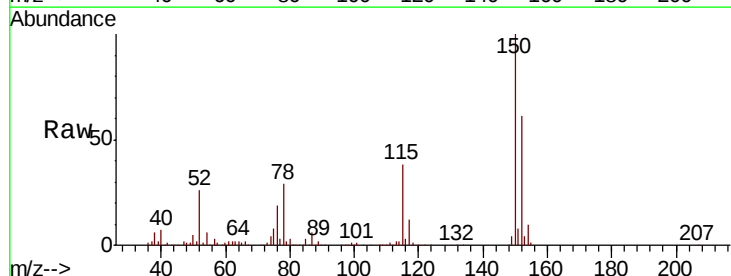
Instrument :
MSVOA_N
ClientSampleId :
TB-9-11-19

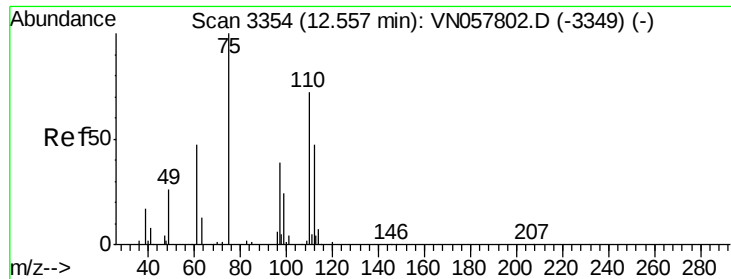
Tgt Ion:173 Resp: 1028
Ion Ratio Lower Upper
173 100
175 1302.7 23.5 70.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

Tgt Ion:152 Resp: 228510
Ion Ratio Lower Upper
152 100
115 61.7 30.3 91.0
150 160.4 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 30.578 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057940.D

Acq: 11 Sep 2019 21:38

Instrument :

MSVOA_N

ClientSampled :

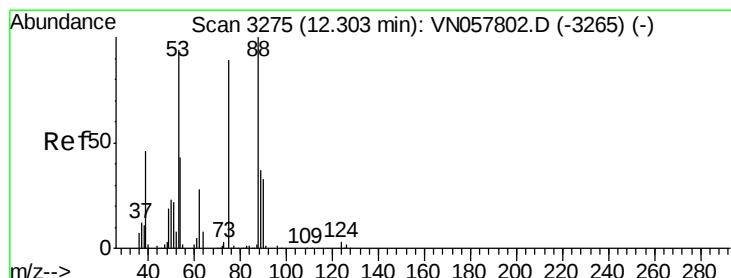
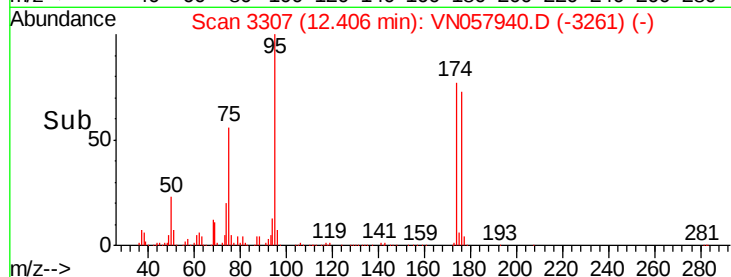
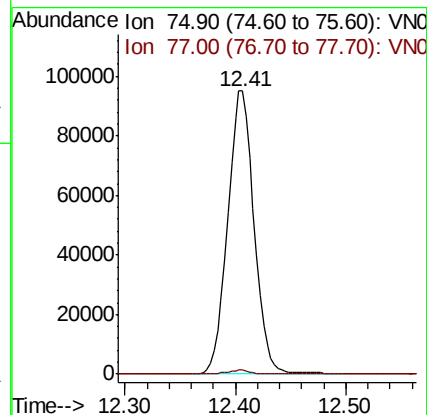
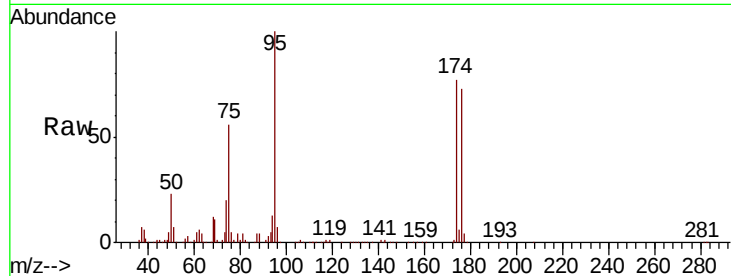
TB-9-11-19

Tgt Ion: 75 Resp: 158068

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.605 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057940.D

Acq: 11 Sep 2019 21:38

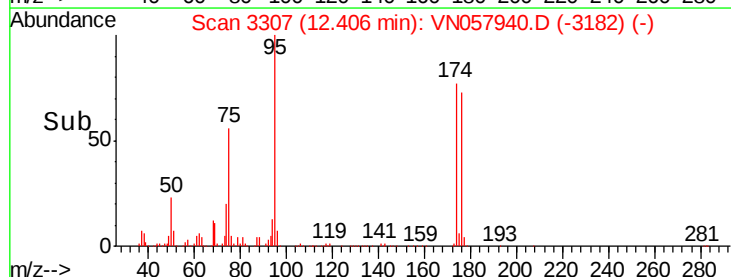
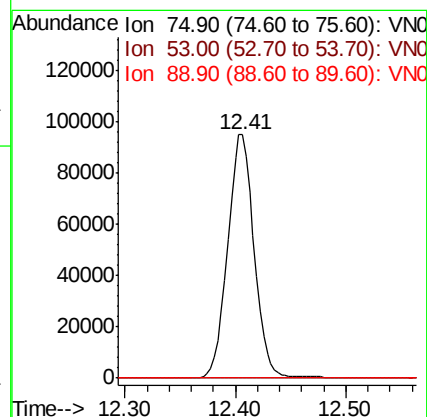
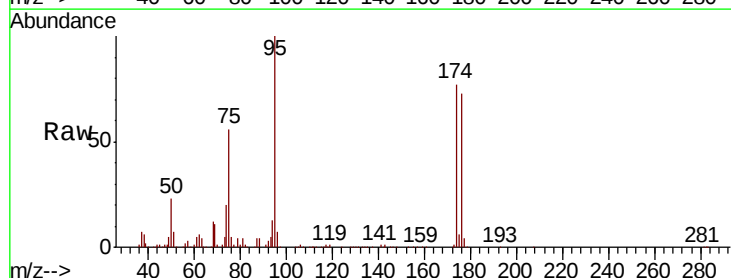
Tgt Ion: 75 Resp: 158068

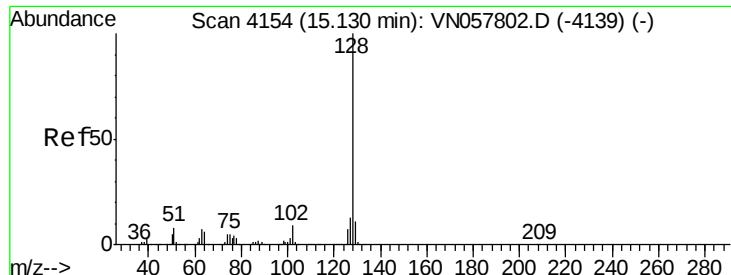
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#

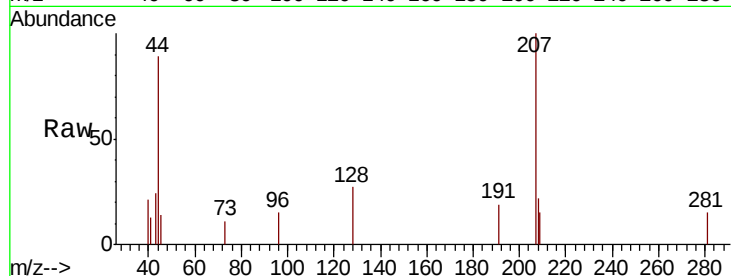




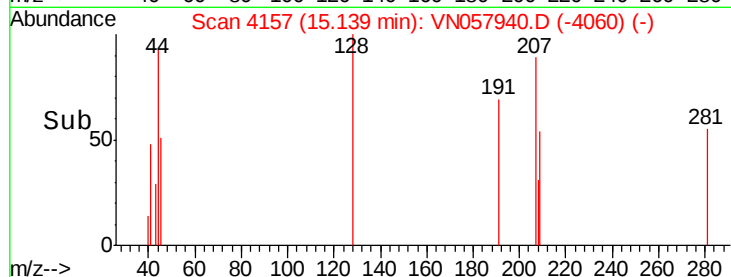
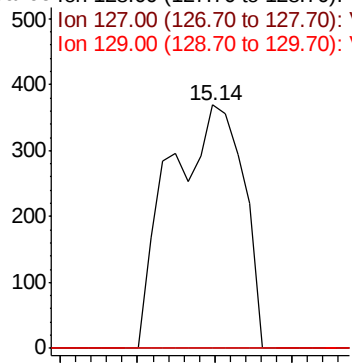
#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN057940.D
Acq: 11 Sep 2019 21:38

Instrument :
MSVOA_N
ClientSampleId :
TB-9-11-19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.12 15.14 15.16