

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057965.D
 Acq On : 12 Sep 2019 13:04
 Operator : JC/SP
 Sample : K4806-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Quant Time: Sep 13 04:44:22 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	273472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	467171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	223035	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	310033	55.97	ug/l	0.00
Spiked Amount			Recovery	=	111.94%	
35) Dibromofluoromethane	7.58	113	217823	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.09	98	845766	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.41	95	281393	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	

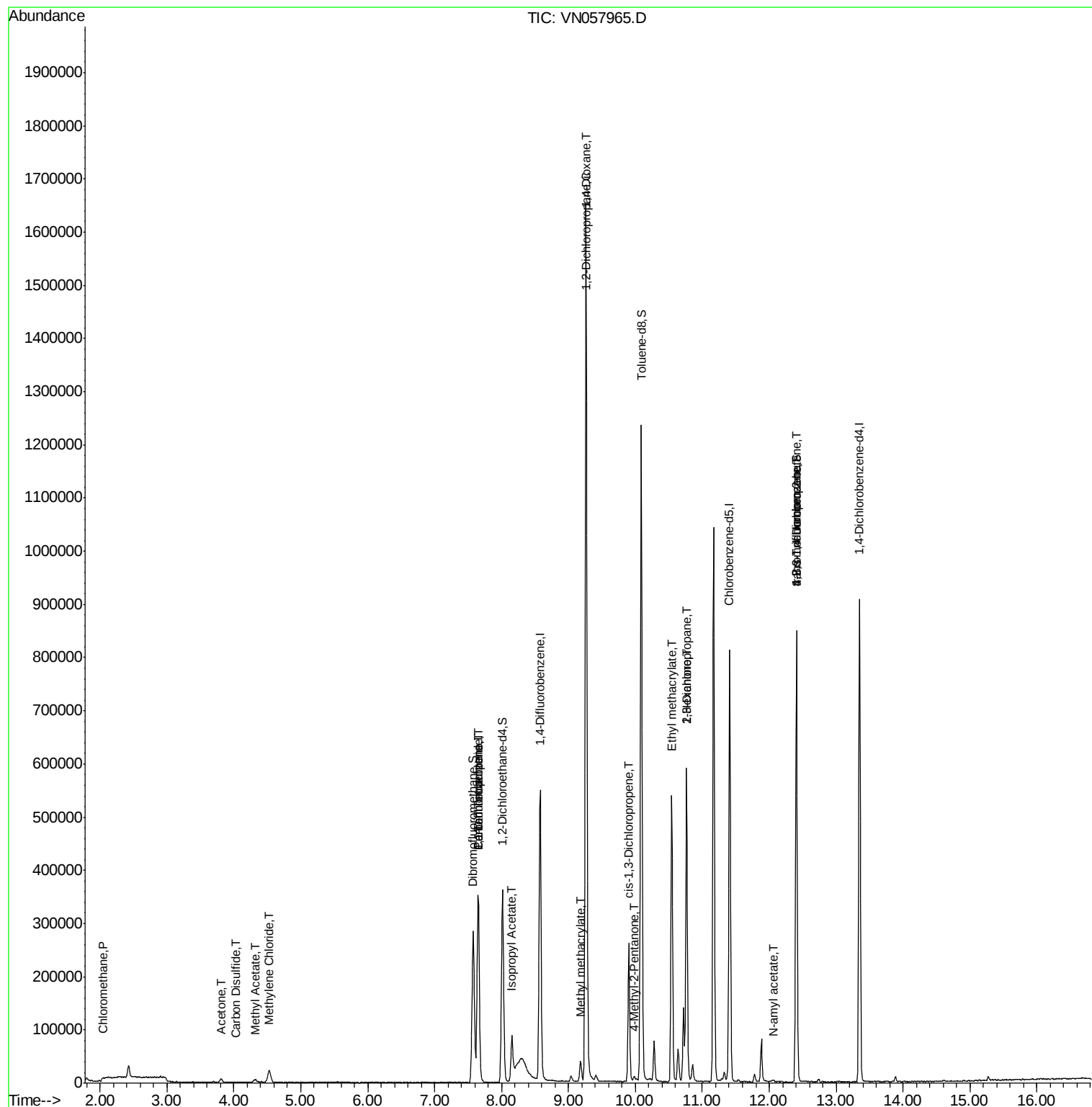
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1175	0.305	ug/l #	78
5) Bromomethane	2.51	94	90	Below Cal	#	2
16) Acetone	3.80	43	10554	5.812	ug/l	96
17) Carbon Disulfide	4.03	76	206	0.204	ug/l #	75
18) Methyl Acetate	4.32	43	7938	1.640	ug/l	94
20) Methylene Chloride	4.53	84	16879	3.744	ug/l	95
31) Cyclohexane	7.65	56	7424	Below Cal	#	9
36) 1,1-Dichloropropene	7.65	75	24330	4.491	ug/l #	47
38) Carbon Tetrachloride	7.65	117	28059	5.672	ug/l #	15
43) Isopropyl Acetate	8.16	43	113090	12.013	ug/l #	89
45) 1,2-Dichloropropane	9.27	63	2055	0.433	ug/l #	44
48) Methyl methacrylate	9.18	41	5794	1.213	ug/l #	13
49) 1,4-Dioxane	9.25	88	123	1.523	ug/l #	23
51) 4-Methyl-2-Pentanone	9.98	43	6871	1.233	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	44104	6.623	ug/l #	69
56) Ethyl methacrylate	10.54	69	2241	0.342	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	6205	0.827	ug/l #	43
59) 2-Hexanone	10.76	43	90849	21.758	ug/l #	53
74) N-amyl acetate	12.05	43	2378	0.316	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	156780	31.074	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156780	109.349	ug/l #	6
95) Naphthalene	15.14	128	1714	Below Cal	#	87

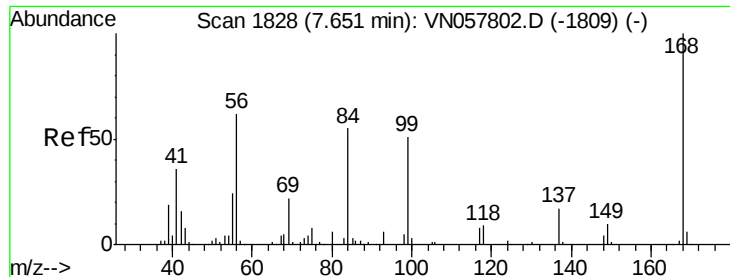
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
Data File : VN057965.D
Acq On : 12 Sep 2019 13:04
Operator : JC/SP
Sample : K4806-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Quant Time: Sep 13 04:44:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

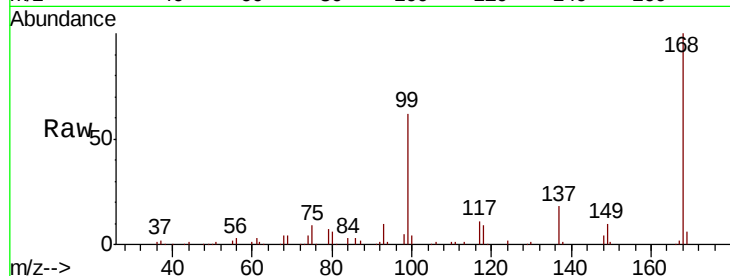
DRUM-COMP

Tgt Ion:168 Resp: 273472

Ion Ratio Lower Upper

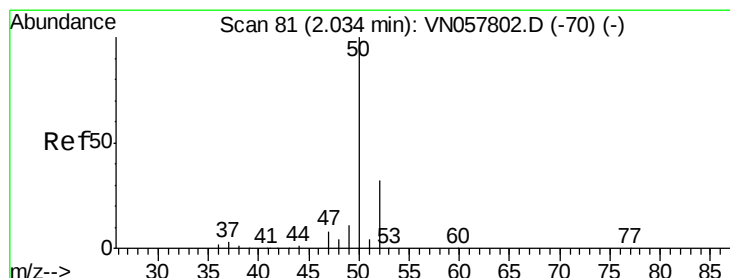
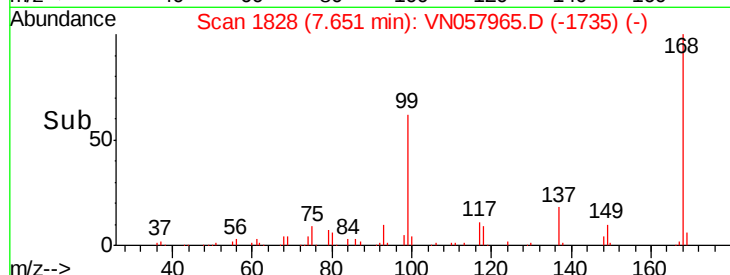
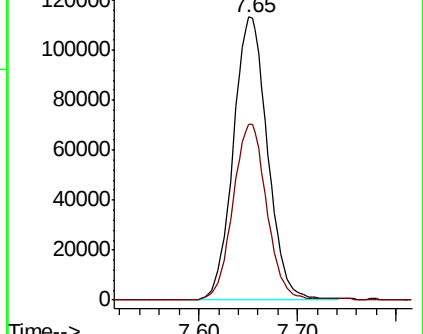
168 100

99 62.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057965.D

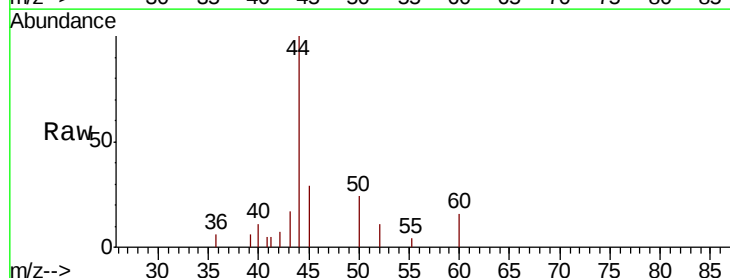
Acq: 12 Sep 2019 13:04

Tgt Ion: 50 Resp: 1175

Ion Ratio Lower Upper

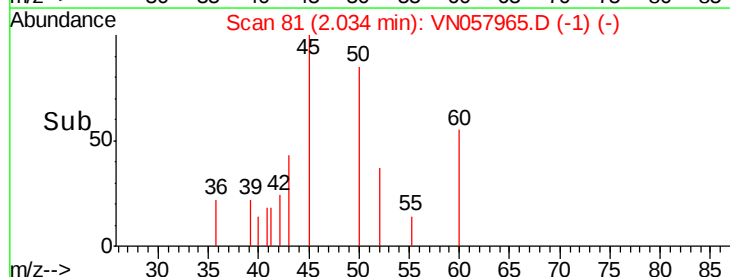
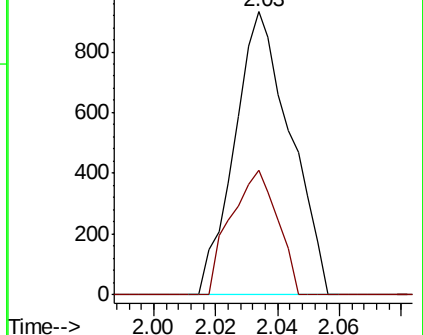
50 100

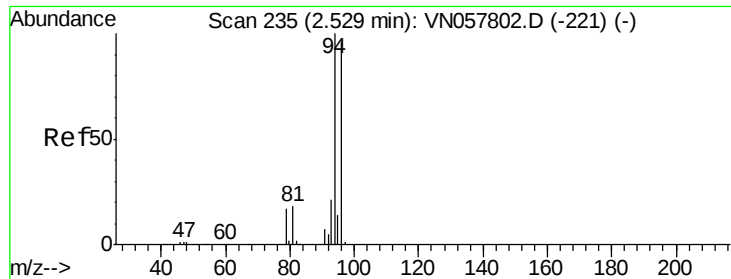
52 43.9 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: Below Cal

RT: 2.51 min Scan# 228

Delta R.T. -0.02 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

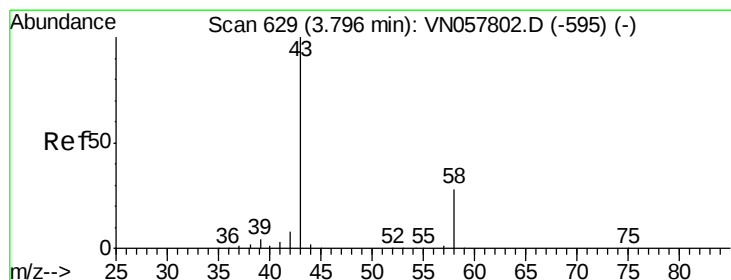
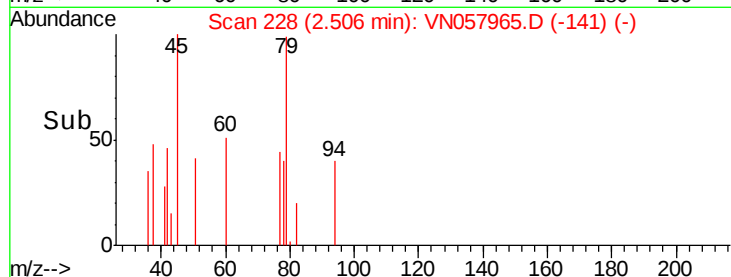
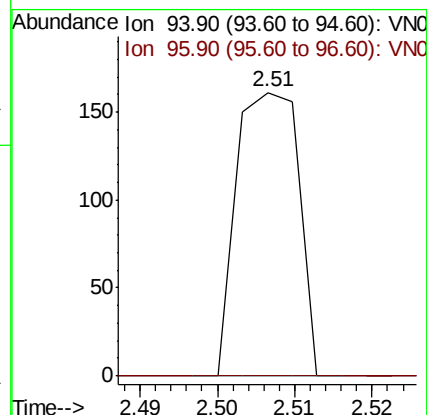
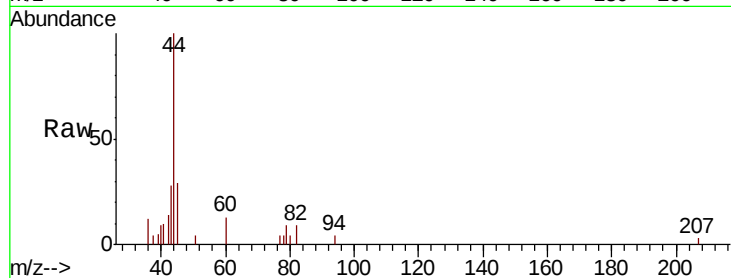
DRUM-COMP

Tgt Ion: 94 Resp: 90

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



#16

Acetone

Concen: 5.812 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057965.D

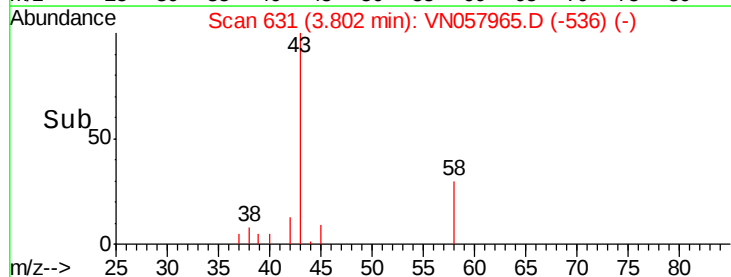
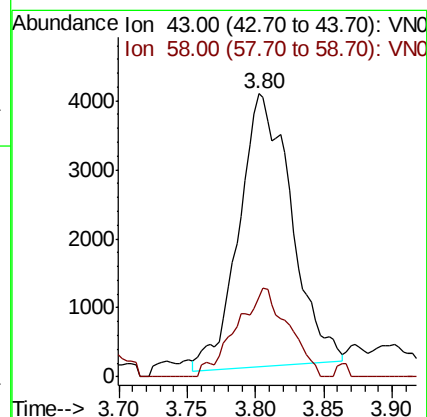
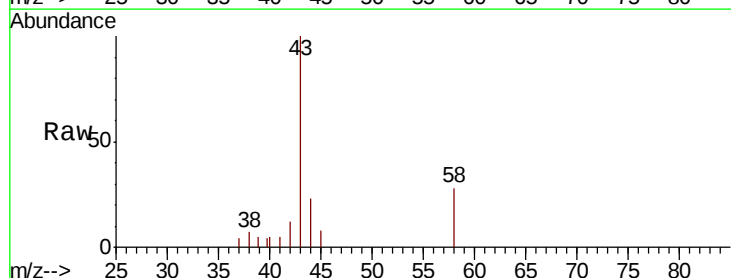
Acq: 12 Sep 2019 13:04

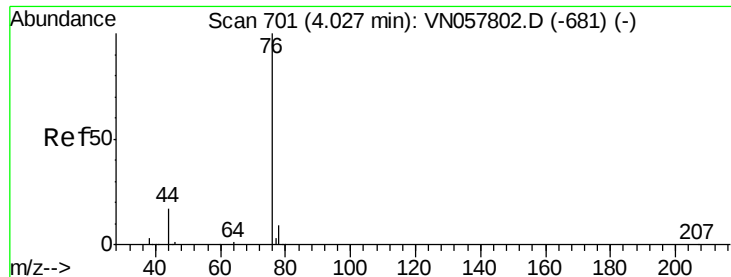
Tgt Ion: 43 Resp: 10554

Ion Ratio Lower Upper

43 100

58 29.7 22.2 33.2

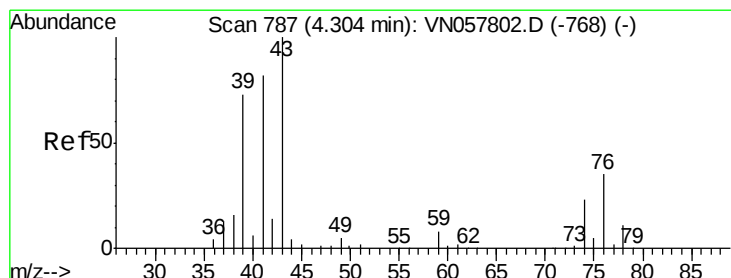
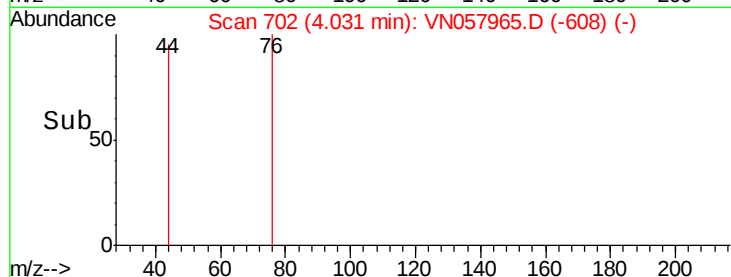
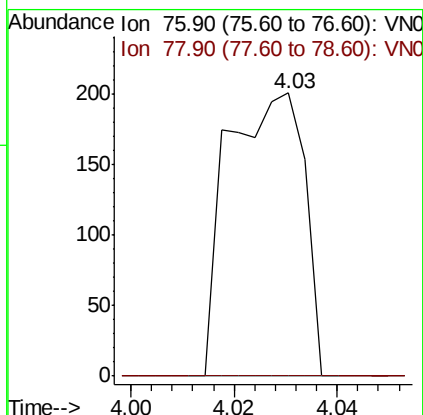
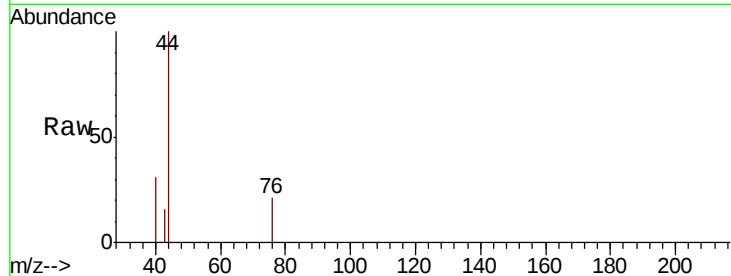




#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

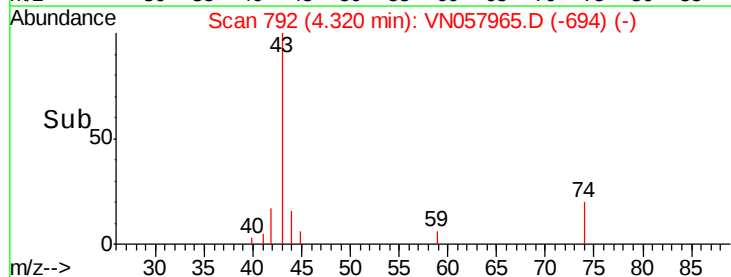
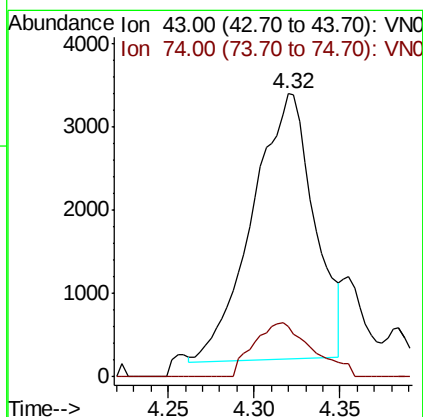
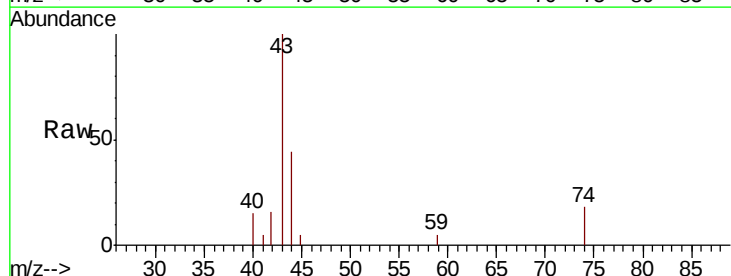
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

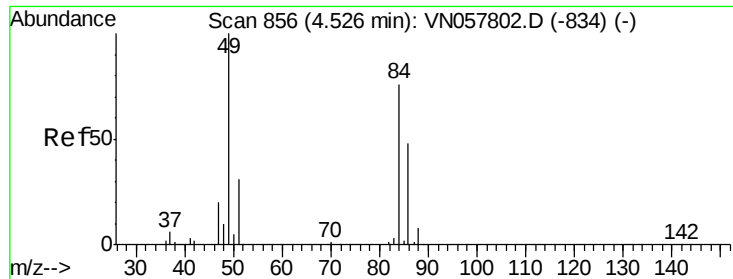
Tgt Ion: 76 Resp: 206
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 1.640 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

Tgt Ion: 43 Resp: 7938
Ion Ratio Lower Upper
43 100
74 19.4 17.9 26.9

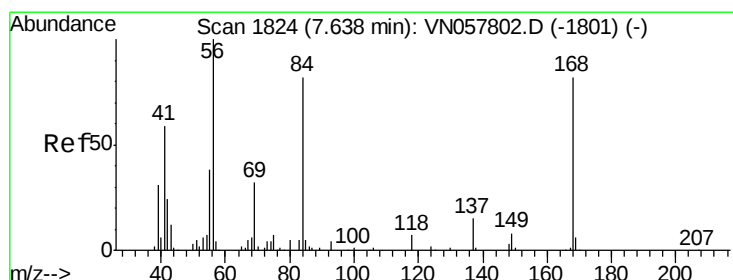
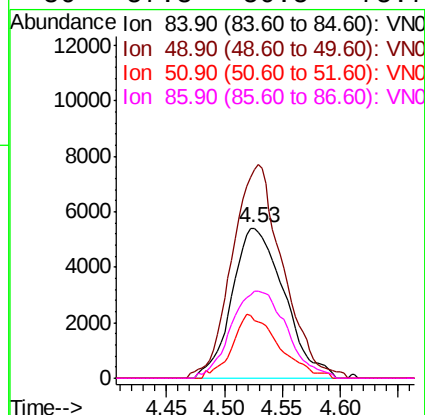
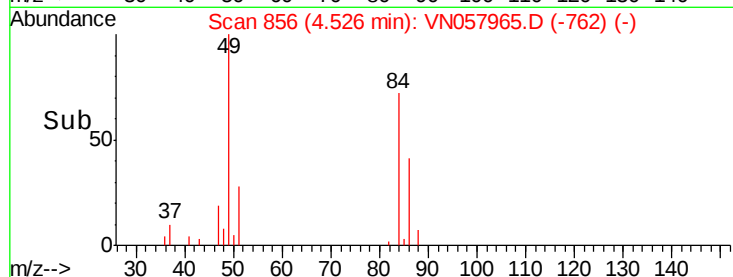
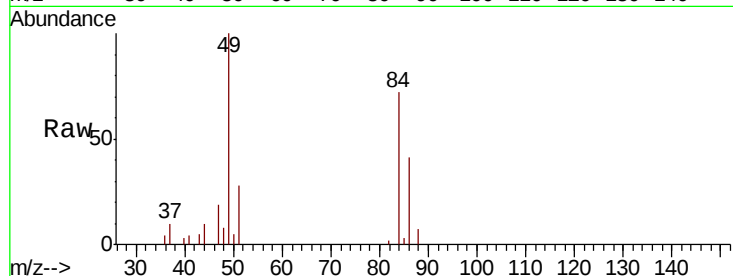




#20
Methylene Chloride
Concen: 3.744 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

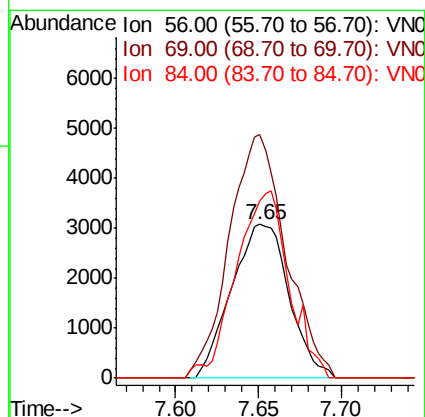
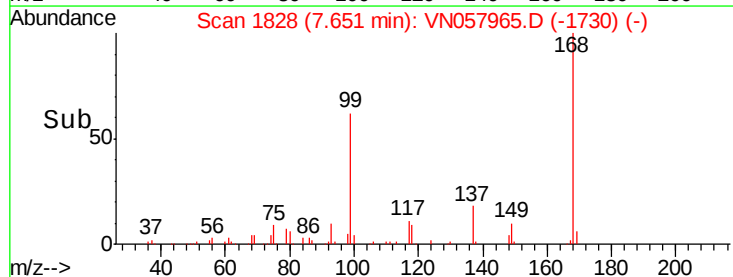
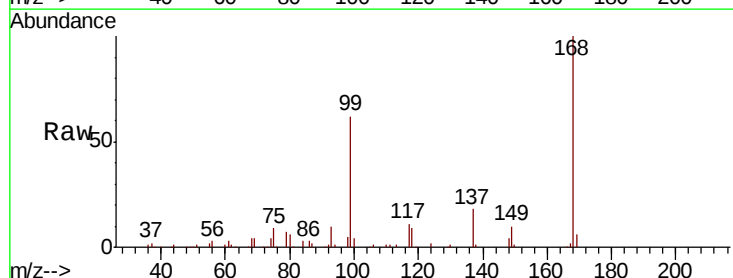
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

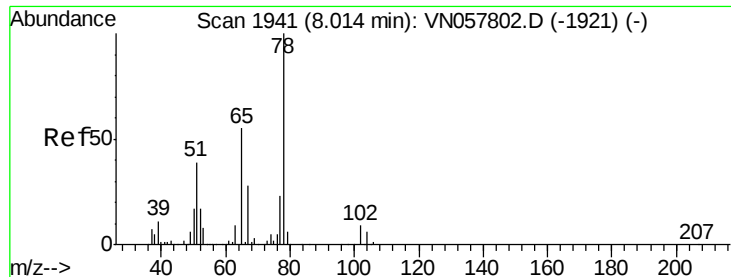
Tgt Ion:	84	Resp:	16879
Ion	Ratio	Lower	Upper
84	100		
49	136.1	104.8	157.2
51	38.6	33.0	49.4
86	57.8	50.5	75.7



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

Tgt Ion:	56	Resp:	7424
Ion	Ratio	Lower	Upper
56	100		
69	158.4	25.9	38.9#
84	115.6	65.6	98.4#

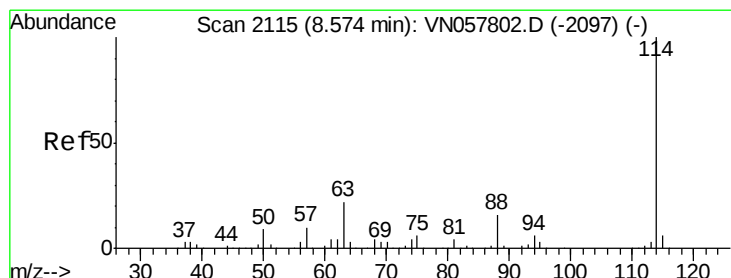
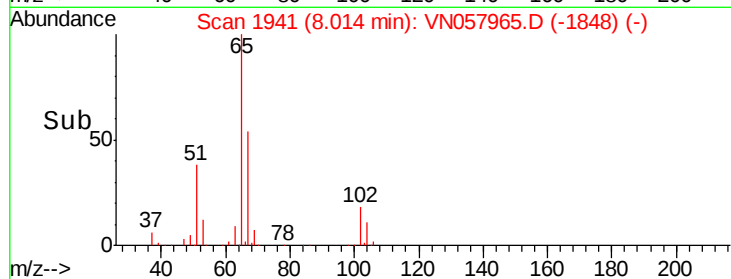
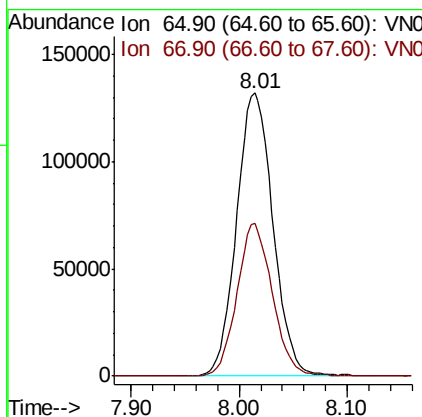
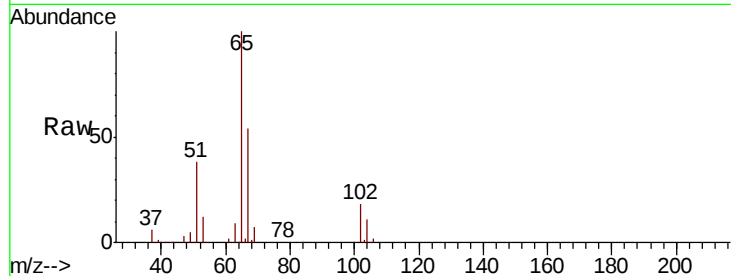




#33
 1,2-Dichloroethane-d4
 Concen: 55.973 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057965.D
 Acq: 12 Sep 2019 13:04

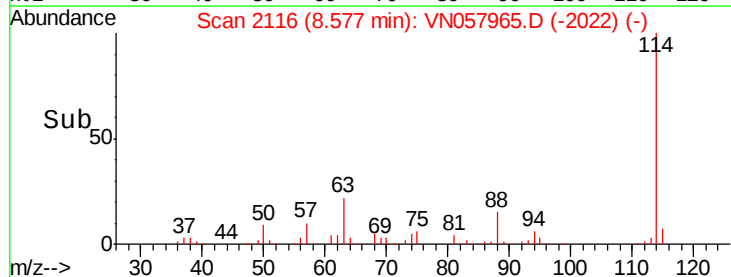
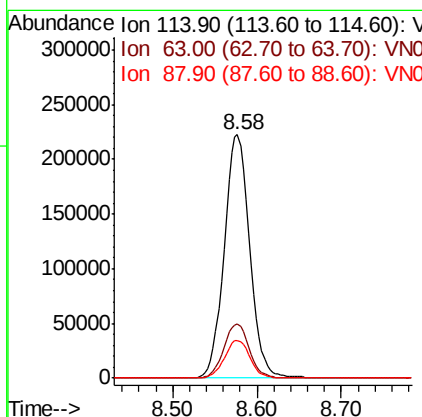
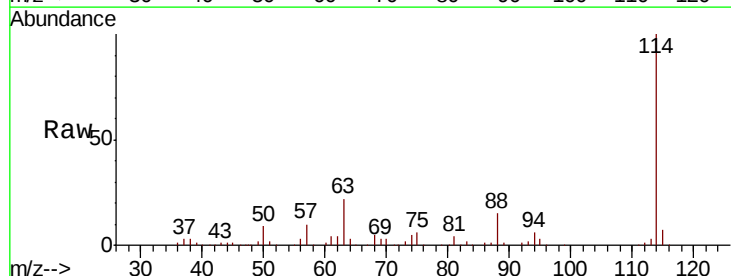
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

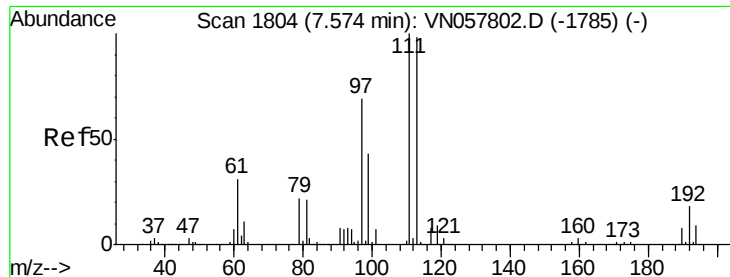
Tgt Ion: 65 Resp: 310033
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057965.D
 Acq: 12 Sep 2019 13:04

Tgt Ion: 114 Resp: 467171
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.0
 88 15.4 0.0 31.4

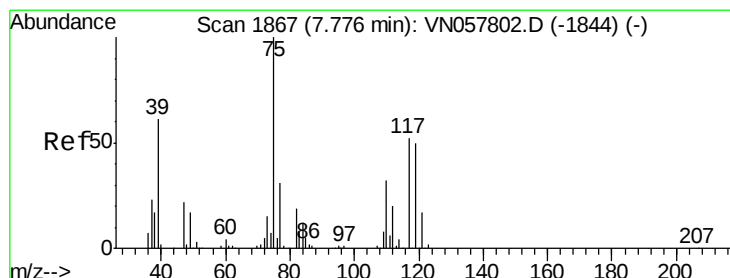
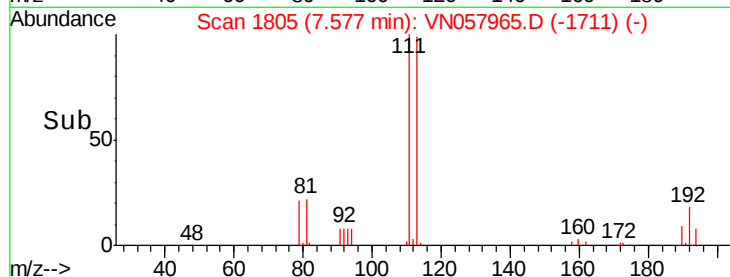
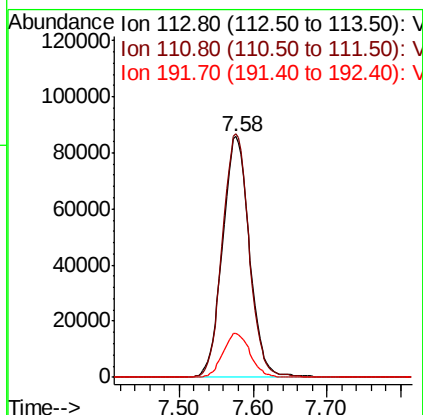
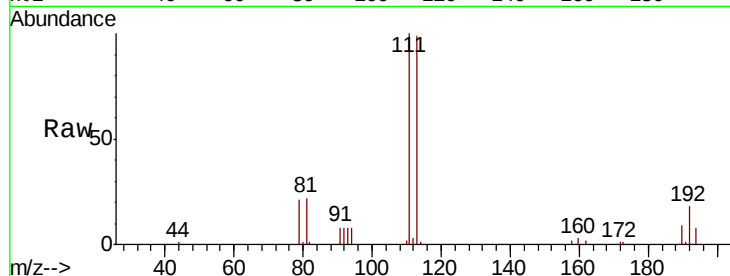




#35
 Dibromofluoromethane
 Concen: 50.518 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057965.D
 Acq: 12 Sep 2019 13:04

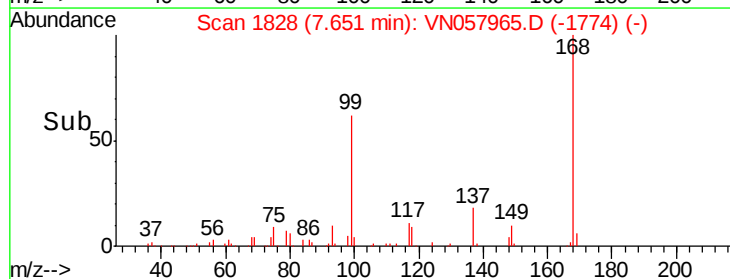
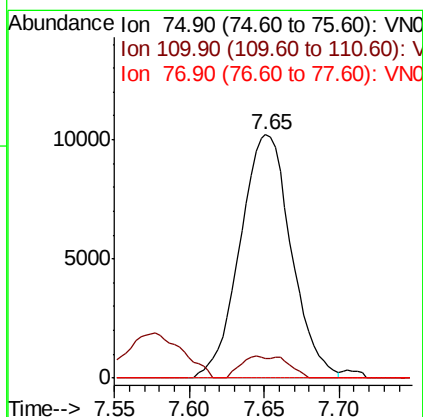
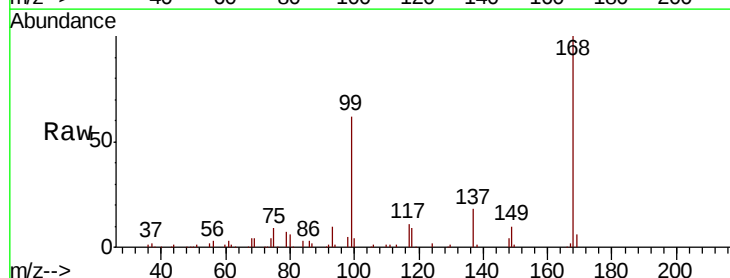
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

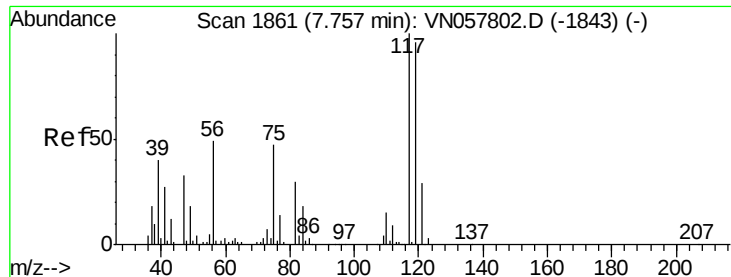
Tgt Ion: 113 Resp: 217823
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.3 121.9
 192 18.4 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.491 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057965.D
 Acq: 12 Sep 2019 13:04

Tgt Ion: 75 Resp: 24330
 Ion Ratio Lower Upper
 75 100
 110 5.1 16.3 48.9#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.672 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

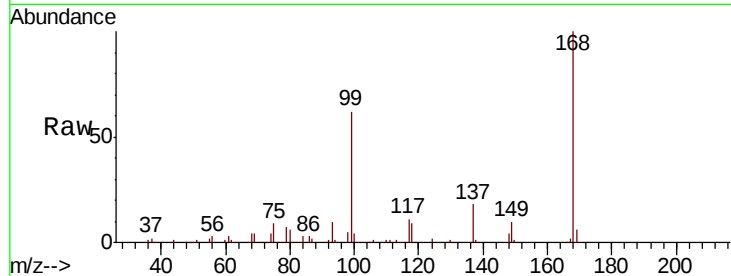
Tgt Ion:117 Resp: 28059

Ion Ratio Lower Upper

117 100

119 4.3 76.9 115.3#

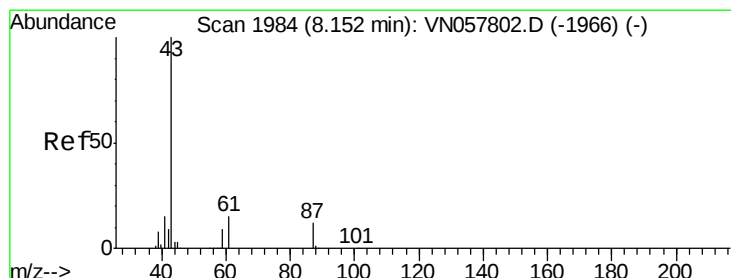
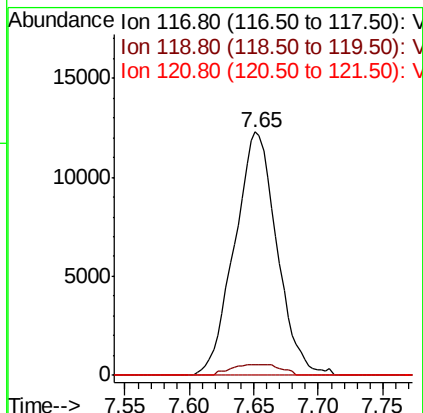
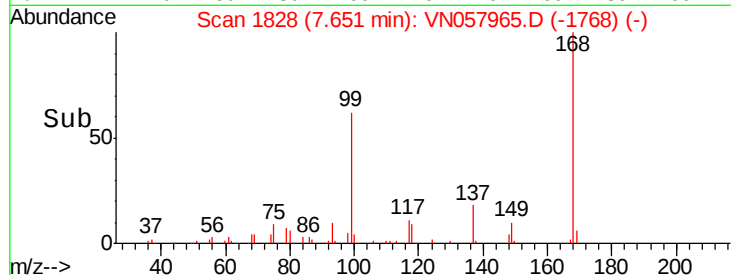
121 0.0 23.4 35.2#



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: 12.013 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

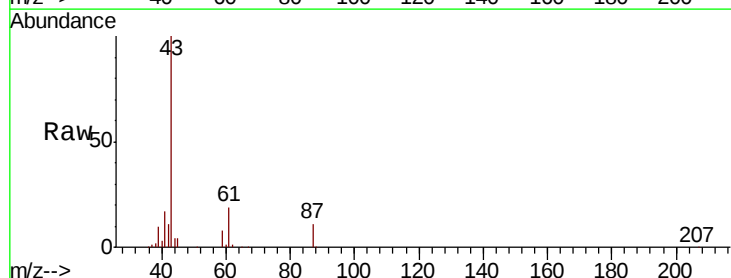
Tgt Ion: 43 Resp: 113090

Ion Ratio Lower Upper

43 100

61 17.3 20.1 30.1#

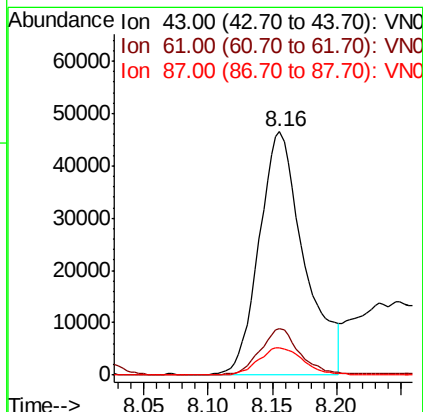
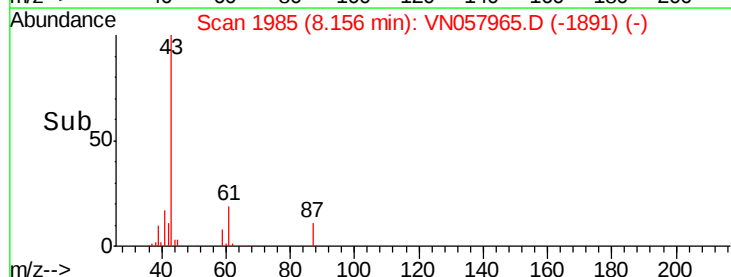
87 11.1 9.5 14.3

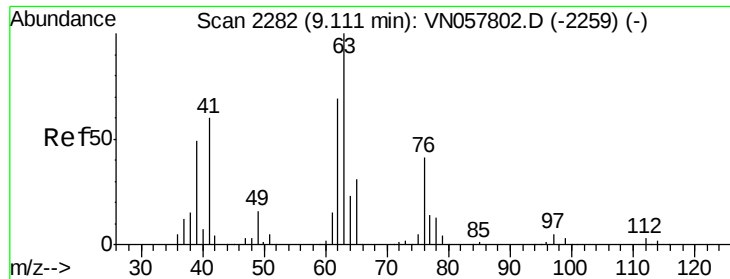


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

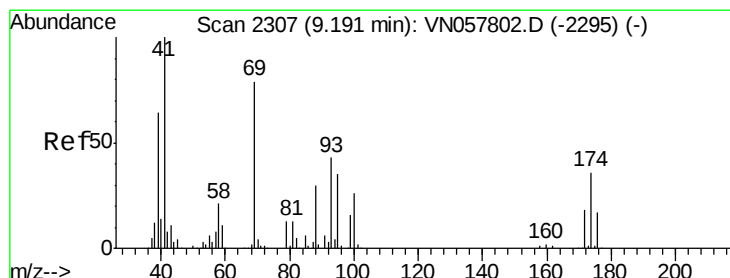
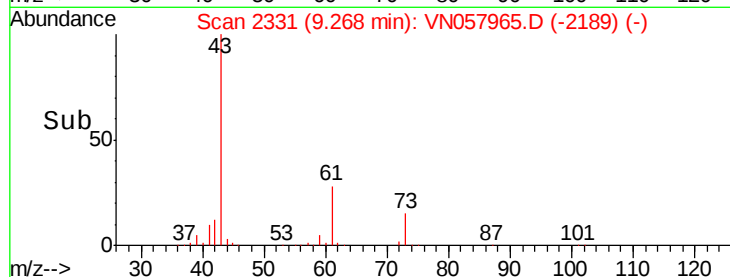
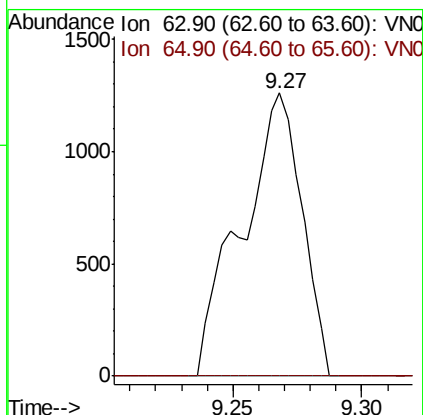
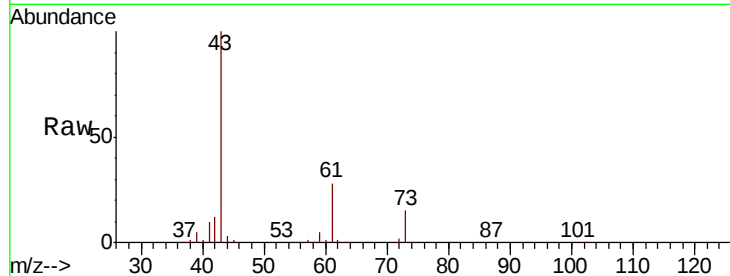




#45
 1,2-Dichloropropane
 Concen: 0.433 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.16 min
 Lab File: VN057965.D
 Acq: 12 Sep 2019 13:04

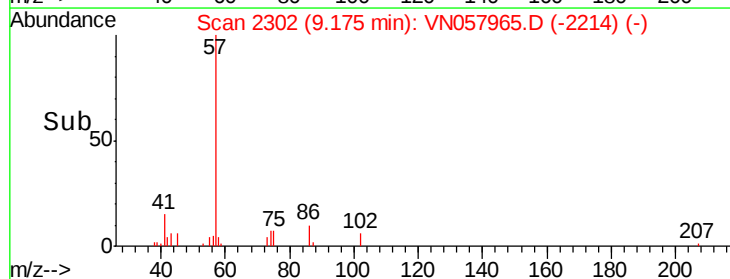
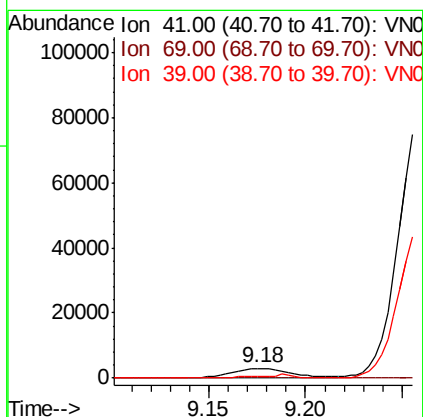
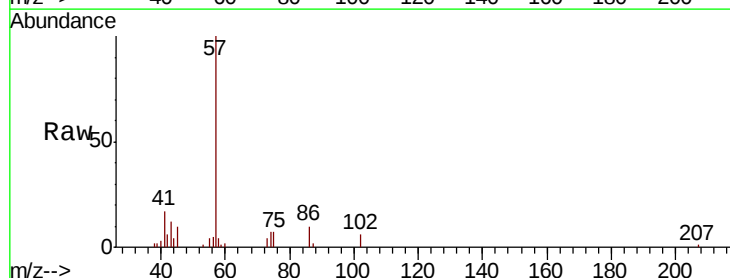
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

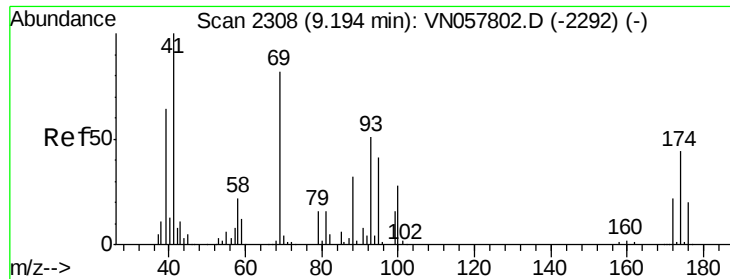
Tgt Ion: 63 Resp: 2055
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.213 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.02 min
 Lab File: VN057965.D
 Acq: 12 Sep 2019 13:04

Tgt Ion: 41 Resp: 5794
 Ion Ratio Lower Upper
 41 100
 69 0.0 62.7 94.1#
 39 0.0 52.7 79.1#

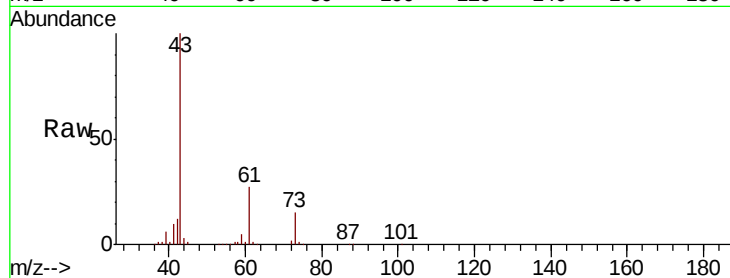




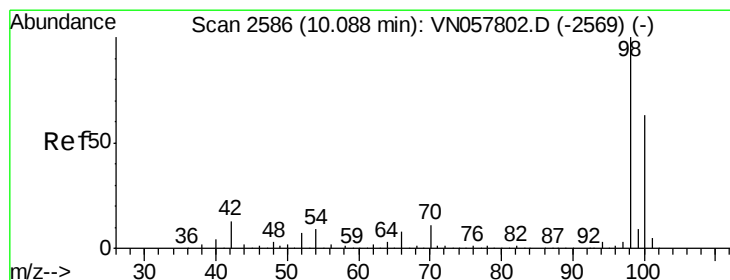
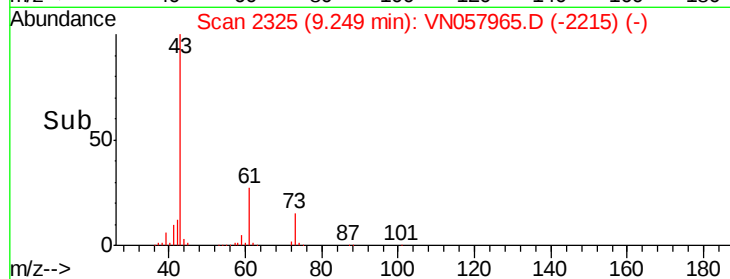
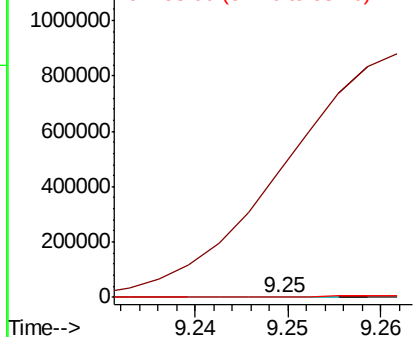
#49
1,4-Dioxane
Concen: 1.523 ug/l
RT: 9.25 min Scan# 2325
Delta R.T. 0.05 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 0.0 28.5 42.7#
58 0.0 55.8 83.6#

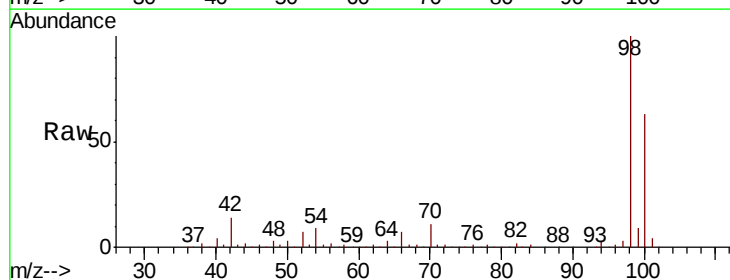


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

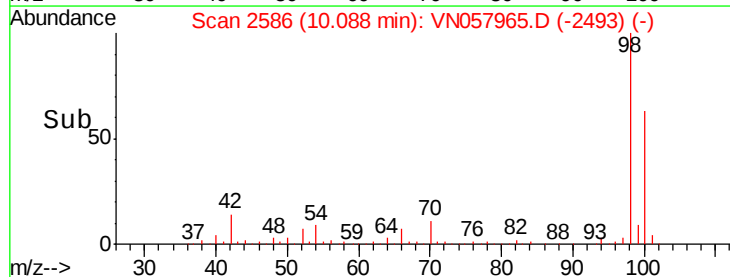
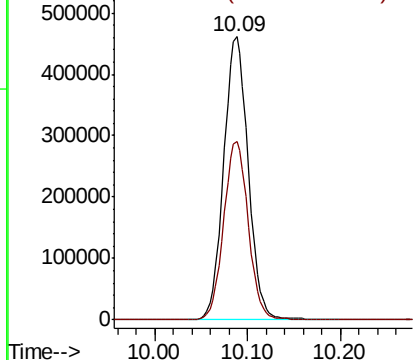


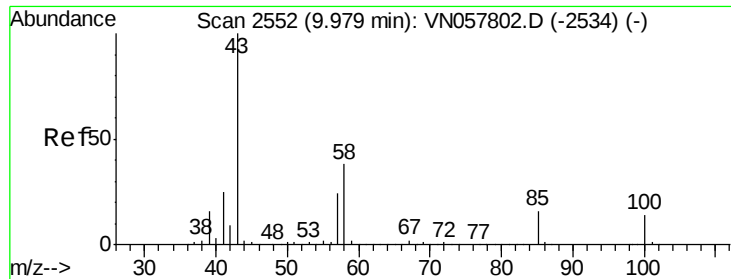
#50
Toluene-d8
Concen: 50.521 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

Tgt Ion: 98 Resp: 845766
Ion Ratio Lower Upper
98 100
100 63.0 50.3 75.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.233 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

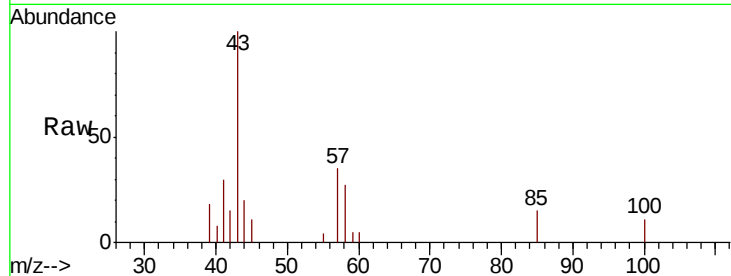
DRUM-COMP

Tgt Ion: 43 Resp: 6871

Ion Ratio Lower Upper

43 100

58 34.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

9.98

4000

3000

2000

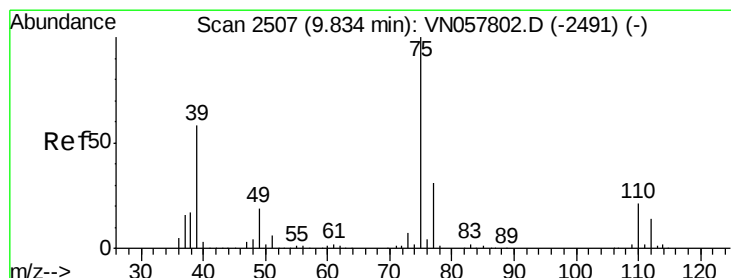
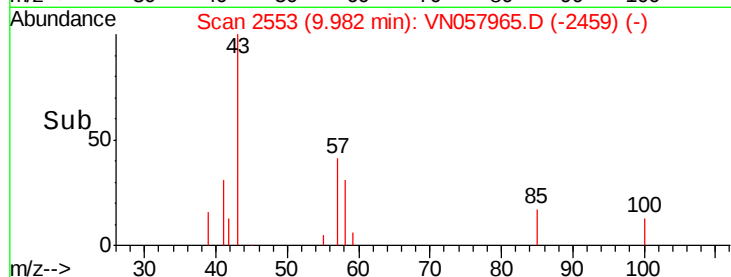
1000

0

9.95

10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.623 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

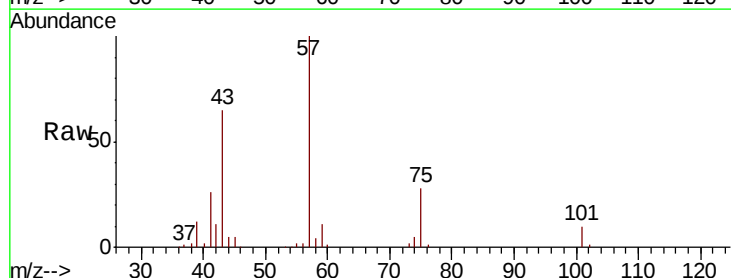
Tgt Ion: 75 Resp: 44104

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 44.9 46.2 69.4#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-2491) (-)

Ion 76.90 (76.60 to 77.60): VN057802.D (-2491) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-2491) (-)

9.90

30000

20000

10000

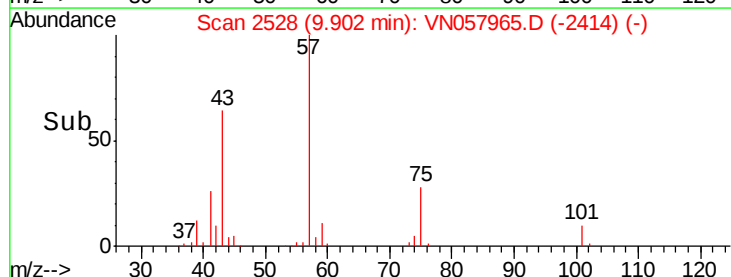
0

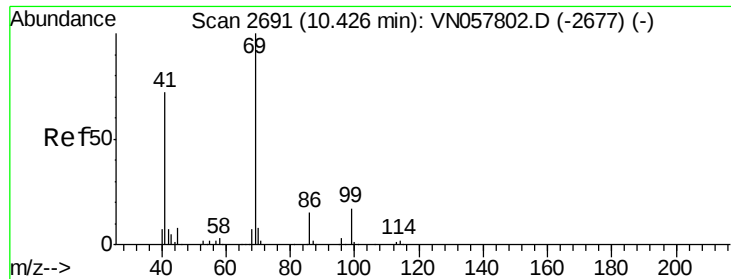
9.85

9.90

9.95

Time-->





#56

Ethyl methacrylate

Concen: 0.342 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

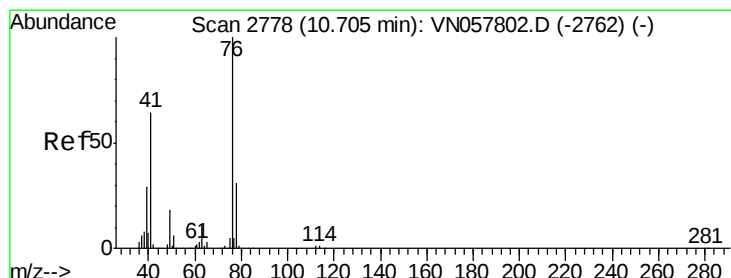
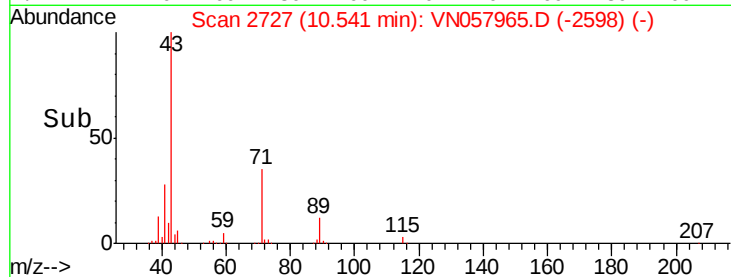
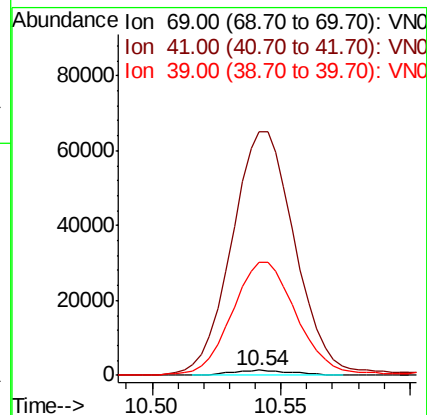
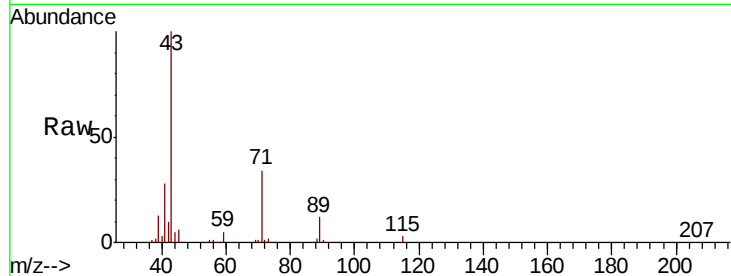
Tgt Ion: 69 Resp: 2241

Ion Ratio Lower Upper

69 100

41 5035.7 56.7 85.1#

39 2370.7 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 0.827 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057965.D

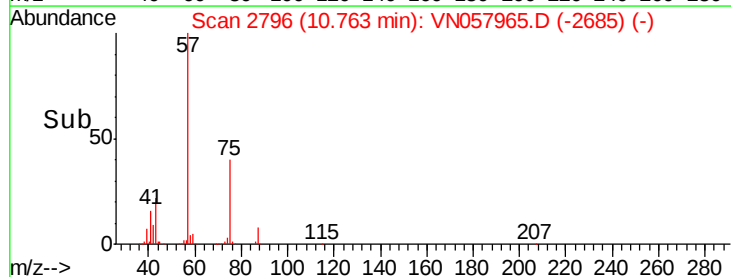
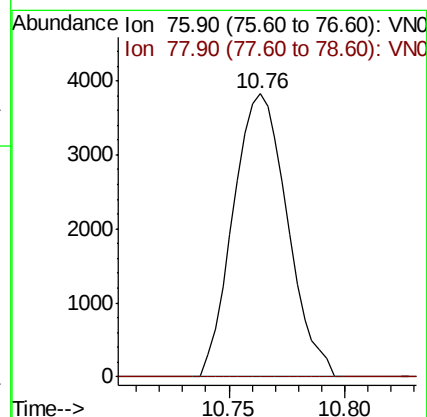
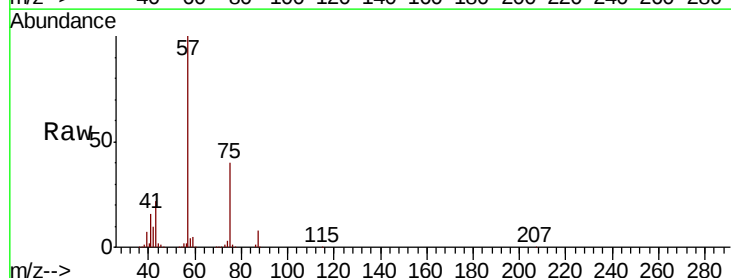
Acq: 12 Sep 2019 13:04

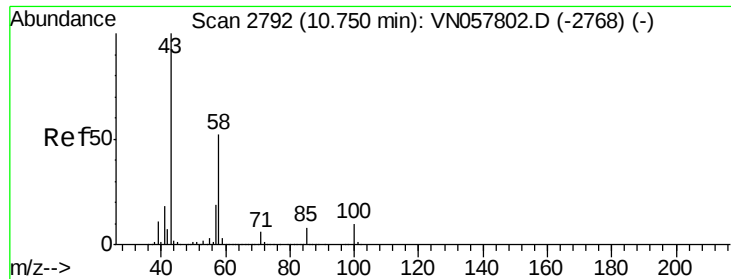
Tgt Ion: 76 Resp: 6205

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#

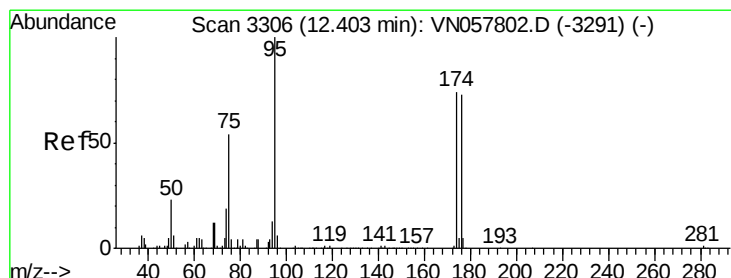
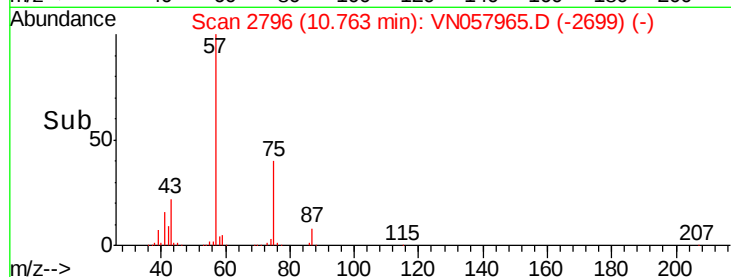
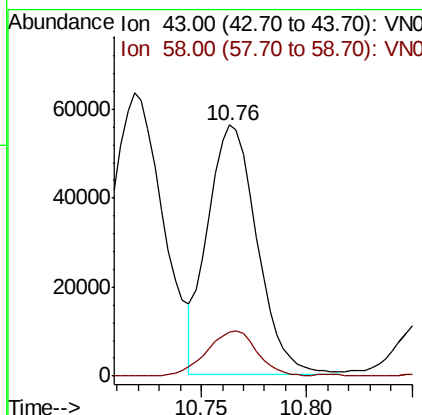
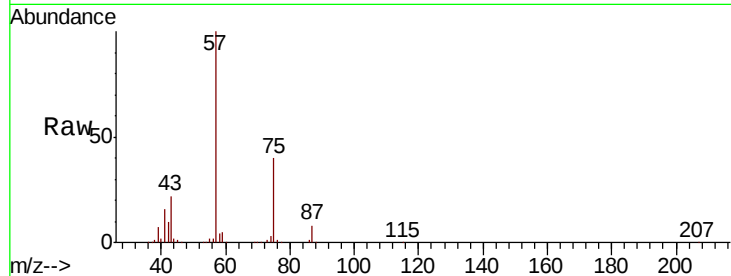




#59
2-Hexanone
Concen: 21.758 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

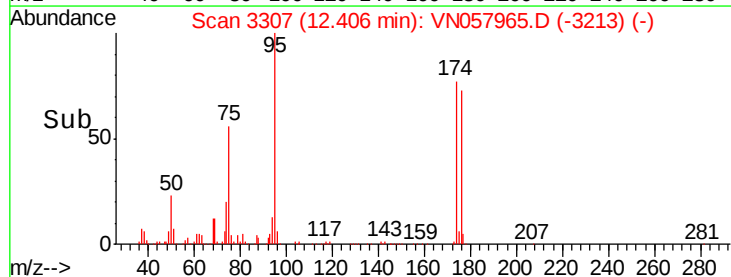
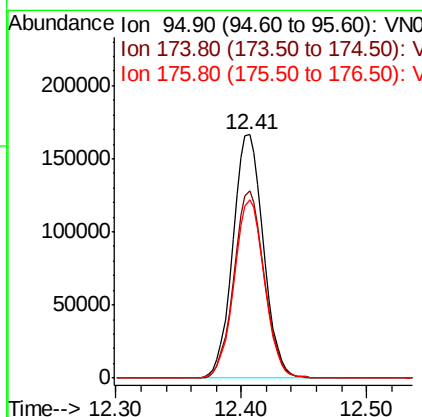
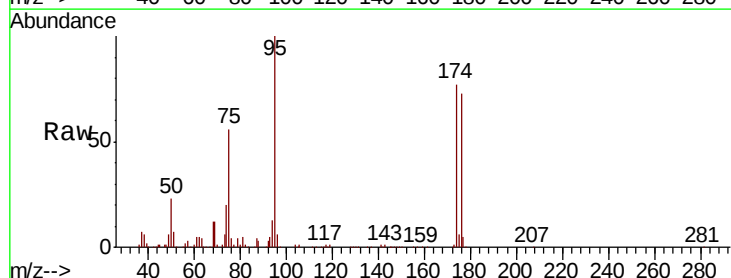
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

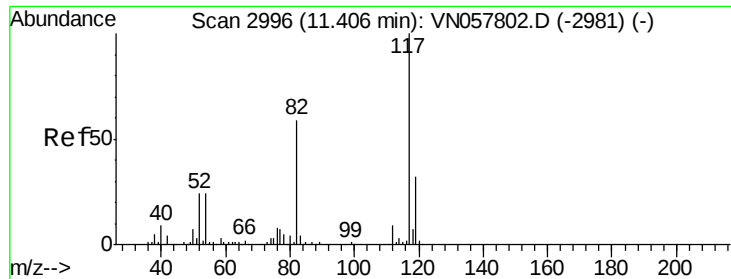
Tgt Ion: 43 Resp: 90849
Ion Ratio Lower Upper
43 100
58 18.7 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 44.108 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

Tgt Ion: 95 Resp: 281393
Ion Ratio Lower Upper
95 100
174 76.4 0.0 150.2
176 72.9 0.0 146.0

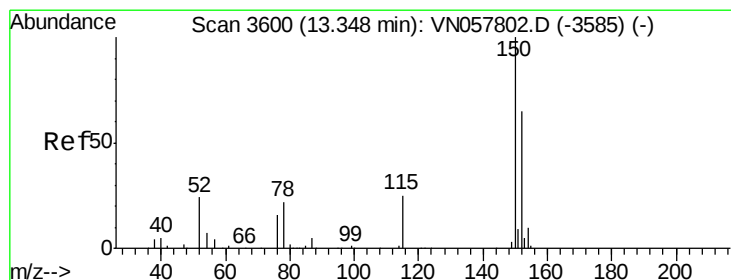
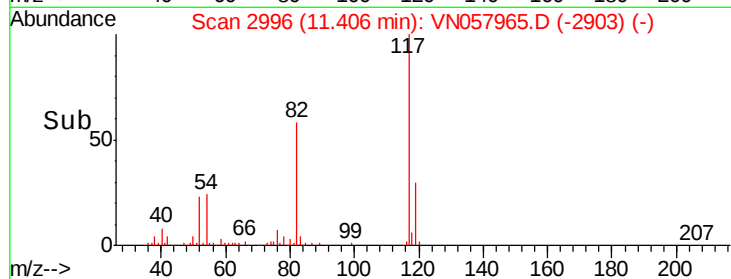
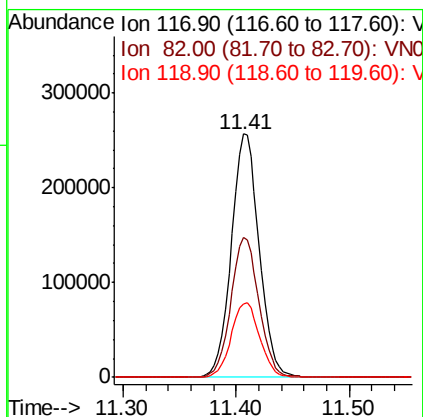
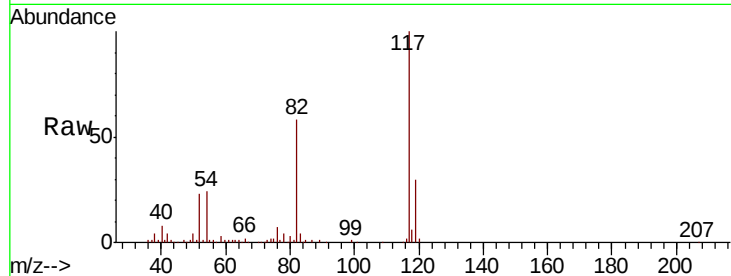




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

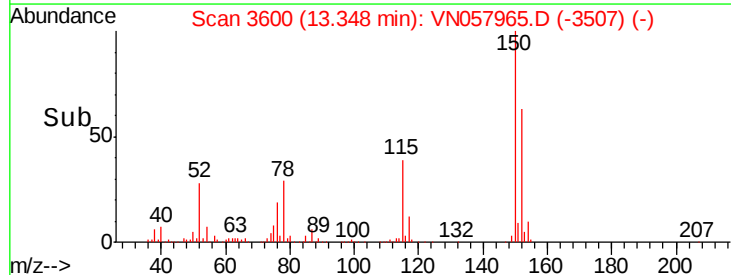
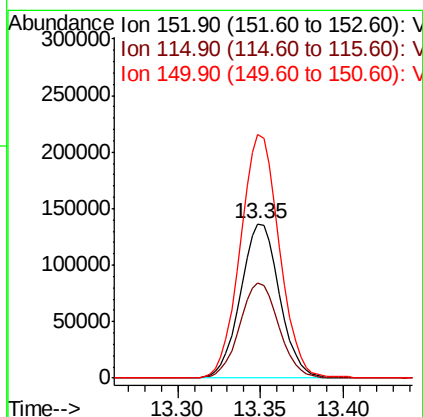
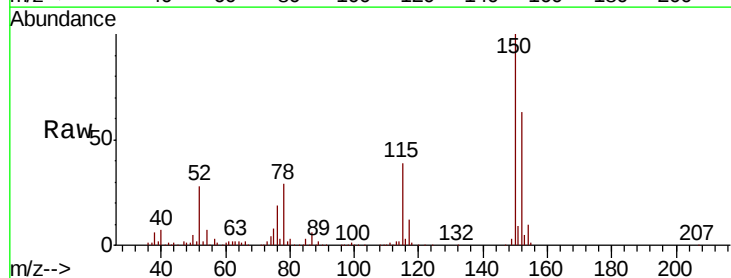
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

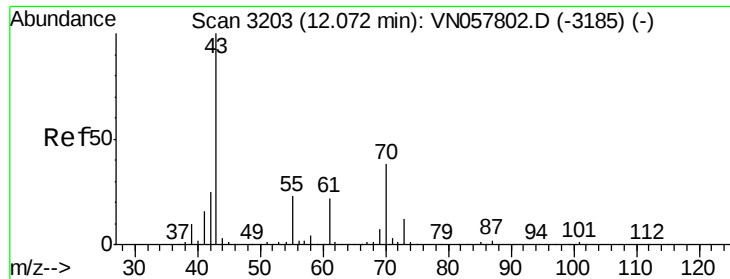
Tgt Ion:117 Resp: 438431
Ion Ratio Lower Upper
117 100
82 57.7 47.2 70.8
119 30.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

Tgt Ion:152 Resp: 223035
Ion Ratio Lower Upper
152 100
115 62.4 30.3 91.0
150 158.1 0.0 352.4

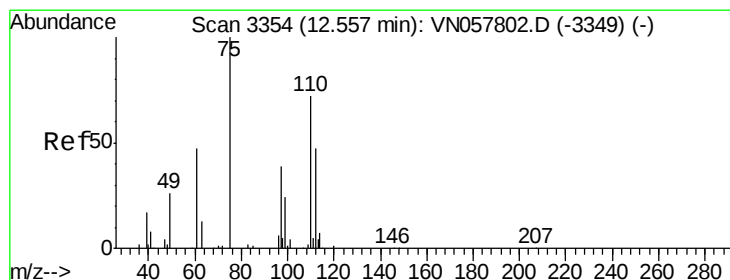
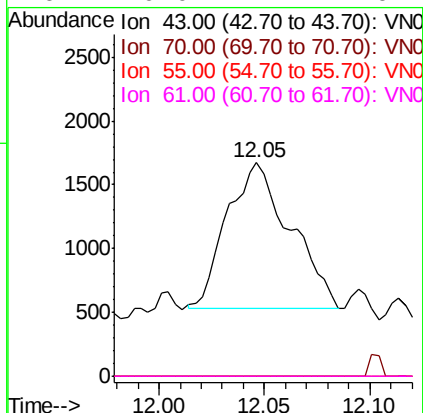
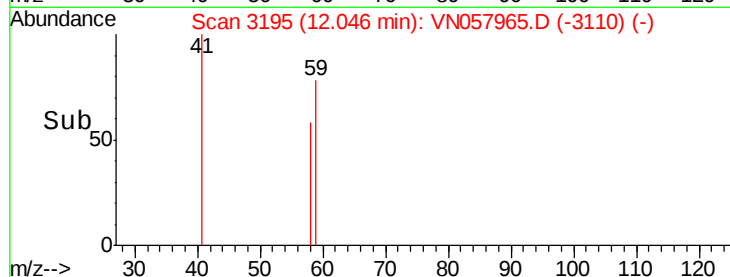
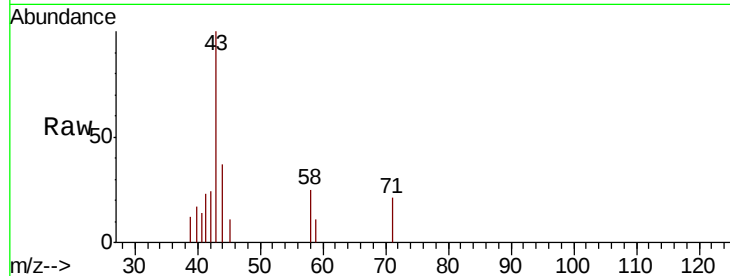




#74
N-ethyl acetate
Concen: 0.316 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.03 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

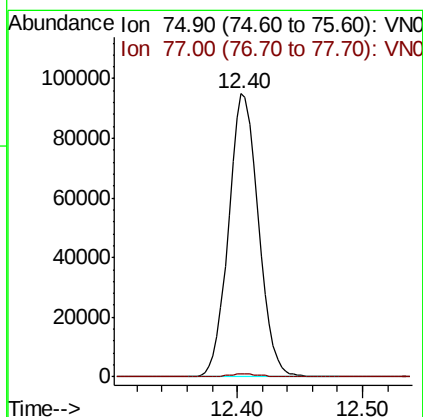
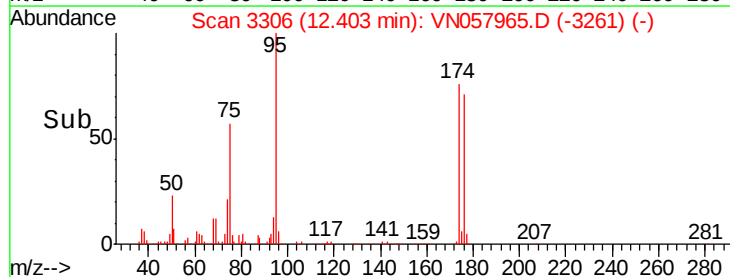
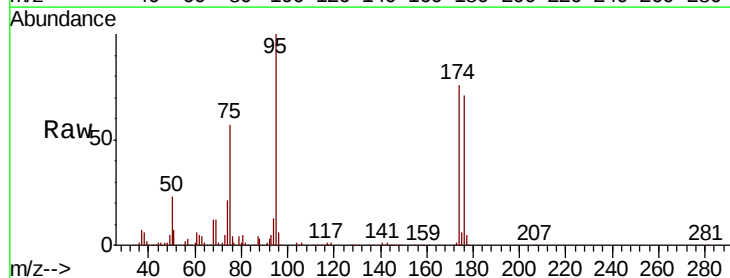
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

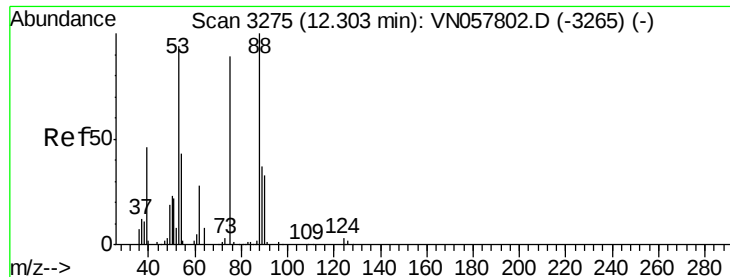
Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
70 0.0 30.6 45.8#
55 0.0 18.6 27.8#
61 0.0 17.4 26.2#



#76
1,2,3-Trichloropropane
Concen: 31.074 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN057965.D
Acq: 12 Sep 2019 13:04

Tgt Ion: 75 Resp: 156780
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.349 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

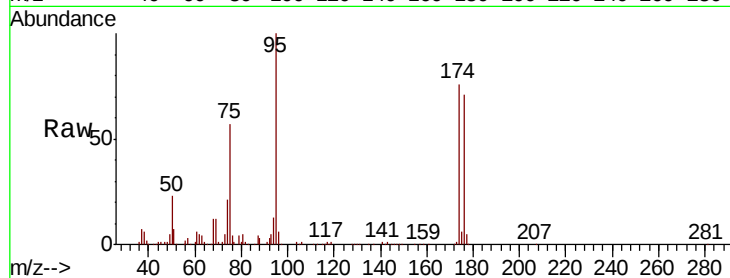
Tgt Ion: 75 Resp: 156780

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

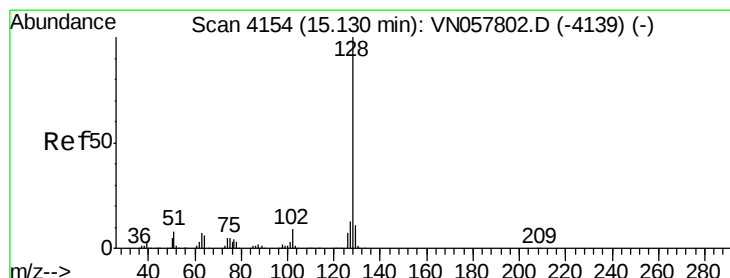
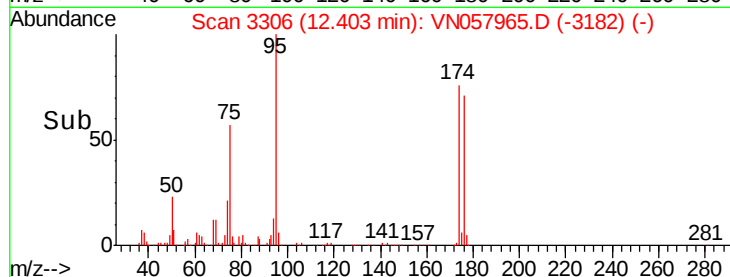
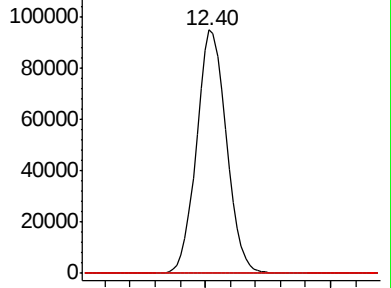
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057802.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057802.D (-3265) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN057965.D

Acq: 12 Sep 2019 13:04

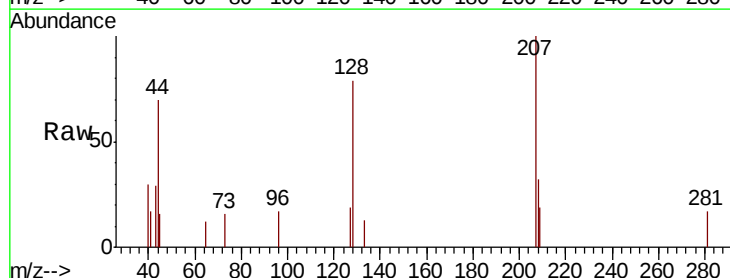
Tgt Ion: 128 Resp: 1714

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN057802.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN057802.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN057802.D (-4139) (-)

