

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056615.D
 Acq On : 8 Jul 2019 17:28
 Operator : JC/SP
 Sample : K3624-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-070319-A

Quant Time: Jul 09 03:47:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	293386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	513698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	538800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	173939	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
35) Dibromofluoromethane	7.59	113	151528	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	10.09	98	646620	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.40	95	245691	59.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.22%	

Target Compounds

						Qvalue
14) Allyl chloride	4.55	41	5471	1.268	ug/l #	28
16) Acetone	3.82	43	8076	4.957	ug/l	99
18) Methyl Acetate	4.33	43	4853	0.665	ug/l	94
20) Methylene Chloride	4.55	84	145149	47.213	ug/l	99
29) Tetrahydrofuran	7.21	42	493	0.374	ug/l #	33
30) Chloroform	7.37	83	4515	0.880	ug/l	99
31) Cyclohexane	7.66	56	4586	0.913	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19510	4.315	ug/l #	45
38) Carbon Tetrachloride	7.66	117	25633	6.483	ug/l #	15
43) Isopropyl Acetate	8.17	43	16325	2.383	ug/l	93
44) Trichloroethene	8.83	130	1325	0.354	ug/l	84
45) 1,2-Dichloropropane	9.27	63	1470	0.395	ug/l #	43
47) Bromodichloromethane	9.41	83	896	0.217	ug/l #	73
48) Methyl methacrylate	9.18	41	9070	2.642	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	3317	0.750	ug/l	94
52) Toluene	10.16	92	2551	0.300	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	48251	9.708	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	10115	1.762	ug/l #	42
59) 2-Hexanone	10.76	43	140745	43.303	ug/l #	51
60) Dibromochloromethane	10.63	129	716	2.576	ug/l #	10
67) Ethyl Benzene	11.51	91	29597	1.557	ug/l	99
68) m/p-Xylenes	11.62	106	48146	6.911	ug/l	98
69) o-Xylene	11.95	106	21233	3.081	ug/l	100
70) Styrene	11.96	104	2733	0.248	ug/l #	1
71) Bromoform	12.40	173	1821	3.721	ug/l #	1
73) Isopropylbenzene	12.25	105	1334	Below Cal		92
74) N-amyl acetate	11.88	43	11981	1.641	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	114425	24.059	ug/l #	100
78) n-propylbenzene	12.59	91	7110	0.338	ug/l	93
79) 2-Chlorotoluene	12.65	91	4546	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	28995	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	114425	85.509	ug/l #	8
82) 4-Chlorotoluene	12.73	91	3013	0.243	ug/l #	40
83) tert-Butylbenzene	13.04	119	16970	Below Cal	#	72

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QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

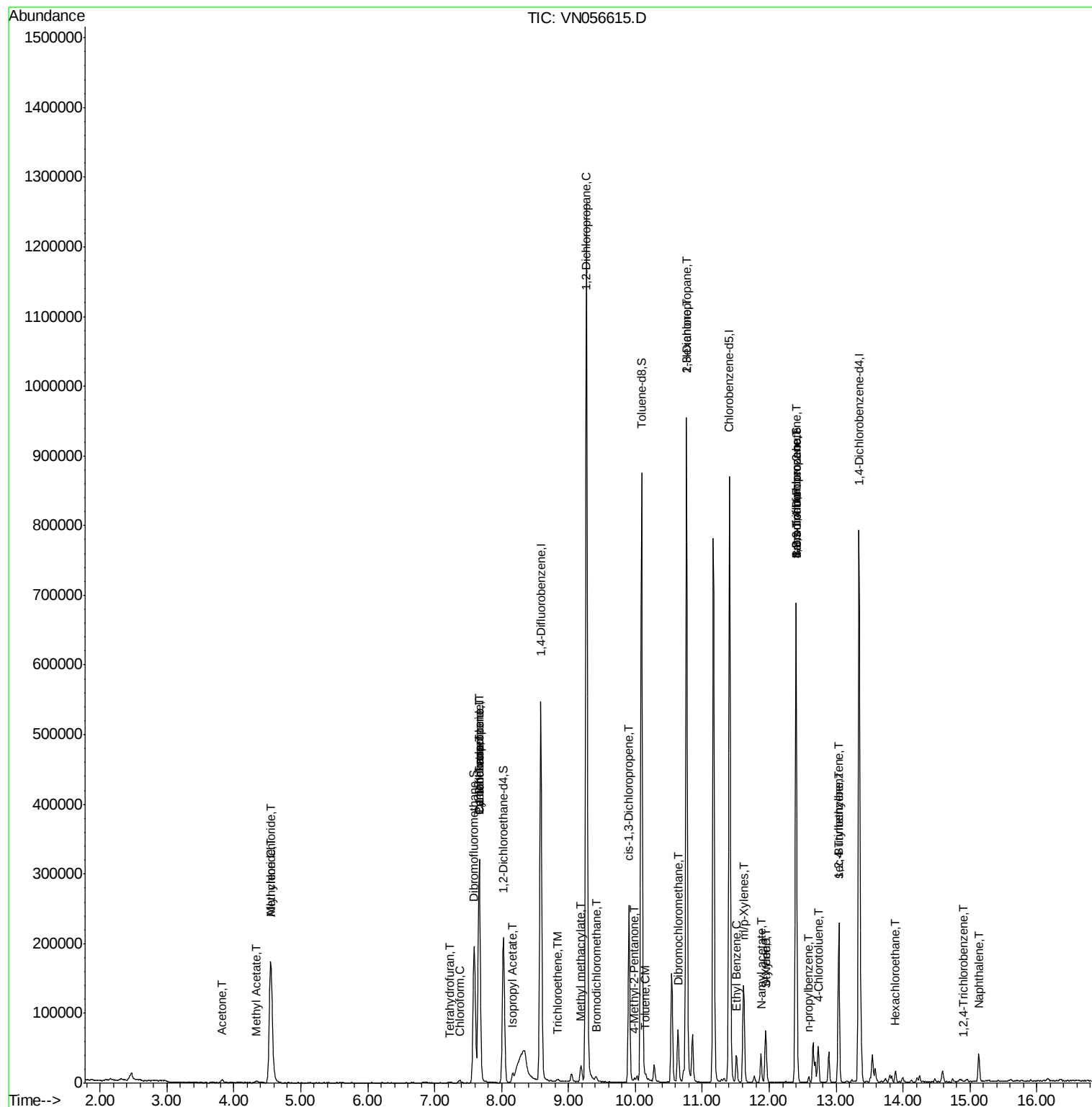
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	135326	8.764	ug/l	100
85) sec-Butylbenzene	13.04	105	135326	7.330	ug/l #	56
90) Hexachloroethane	13.88	117	954	0.386	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	95	5.635	ug/l #	43
95) Naphthalene	15.13	128	36449	8.353	ug/l	99

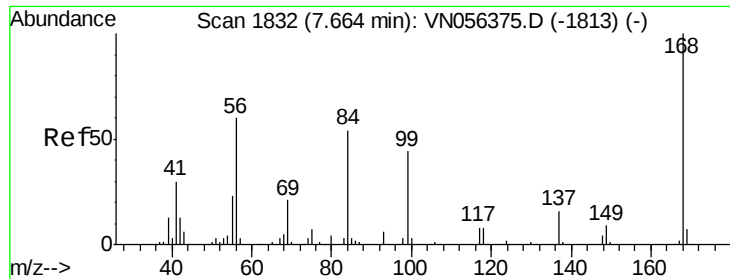
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

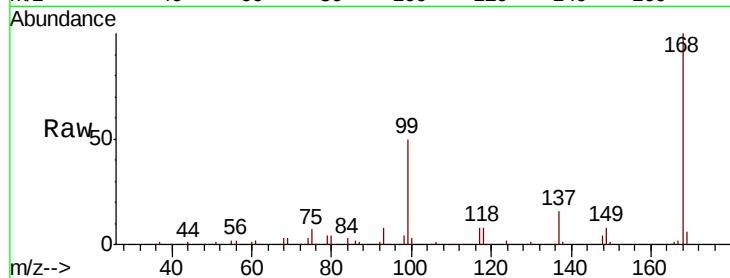
PL-01-070319-A

Tot Ion:168 Resp: 293386

Ion Ratio Lower Upper

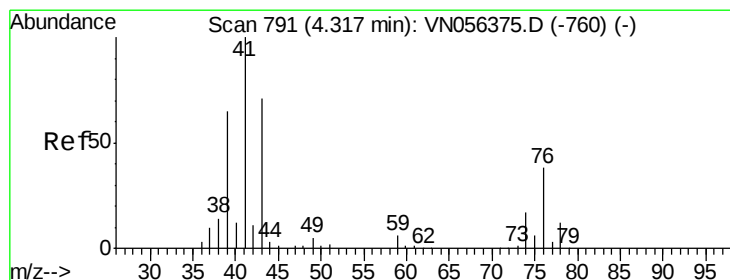
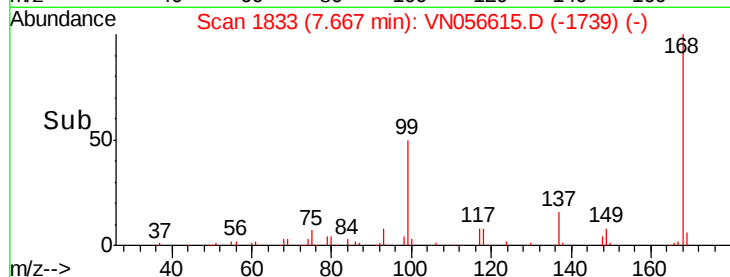
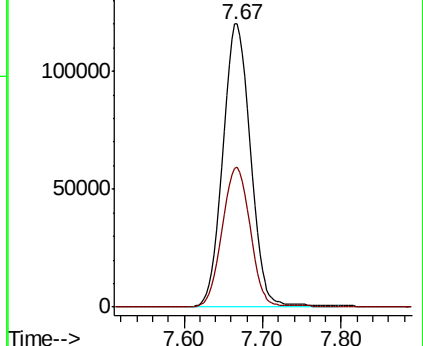
168 100

99 49.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#14

Allyl chloride

Concen: 1.268 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

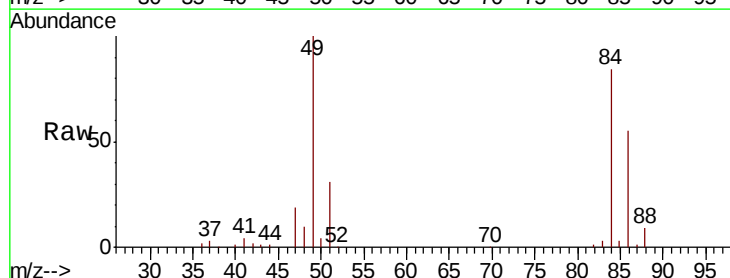
Tgt Ion: 41 Resp: 5471

Ion Ratio Lower Upper

41 100

39 0.0 48.6 73.0#

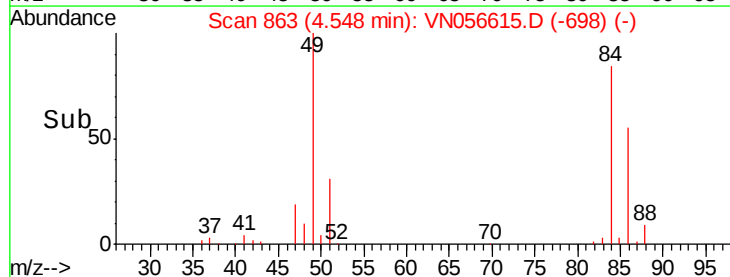
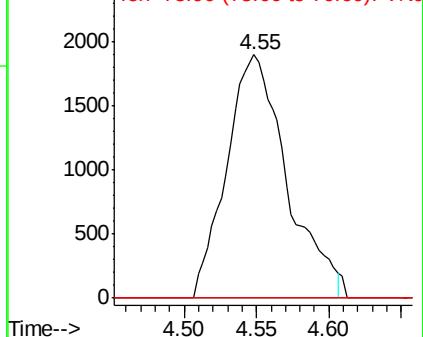
76 0.0 26.6 40.0#

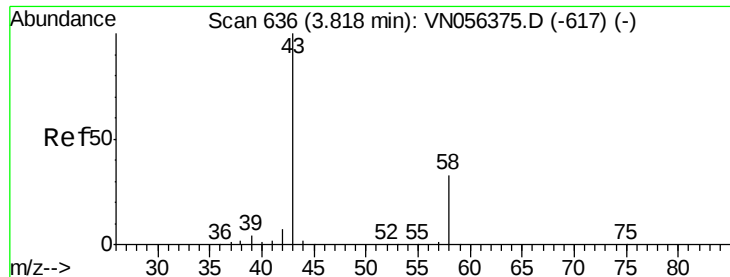


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#16

Acetone

Concen: 4.957 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

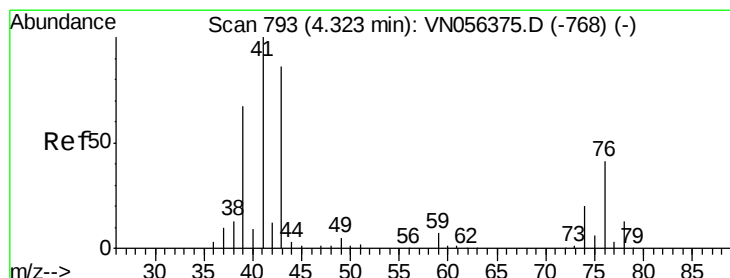
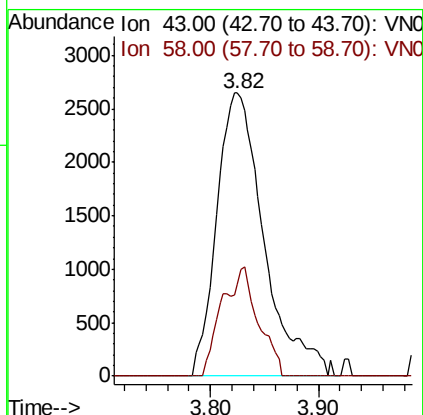
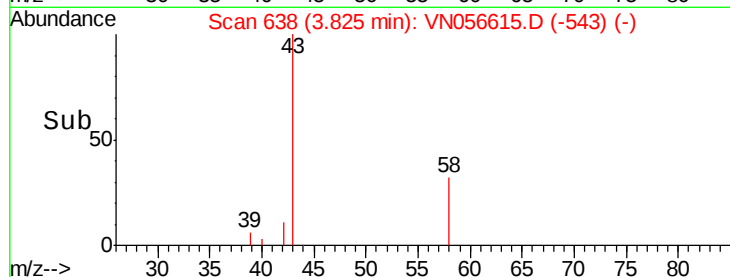
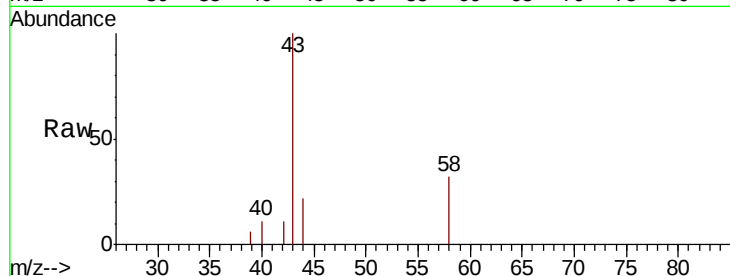
PL-01-070319-A

Tot Ion: 43 Resp: 8076

Ion Ratio Lower Upper

43 100

58 32.2 26.4 39.6



#18

Methyl Acetate

Concen: 0.665 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056615.D

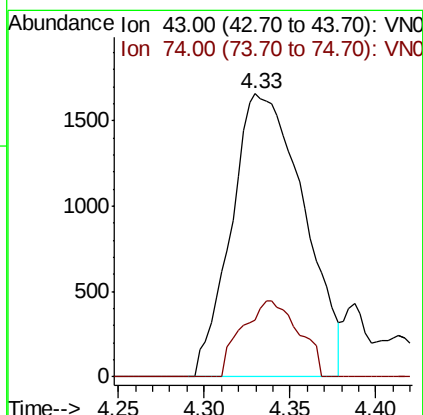
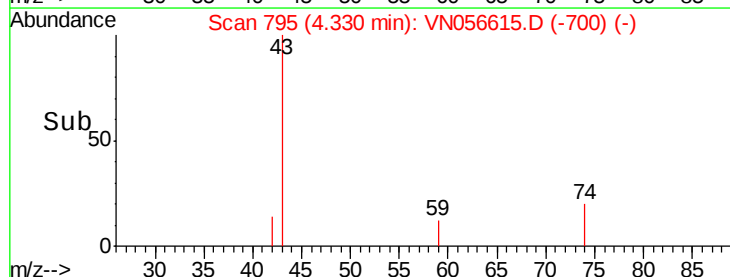
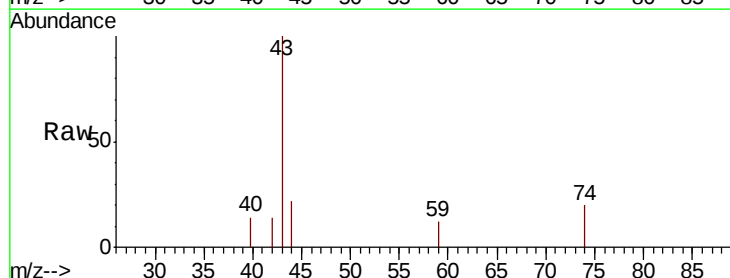
Acq: 8 Jul 2019 17:28

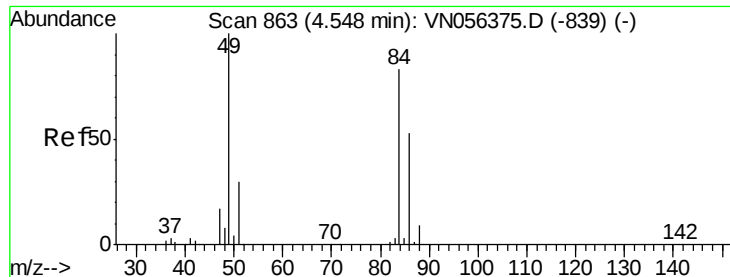
Tgt Ion: 43 Resp: 4853

Ion Ratio Lower Upper

43 100

74 20.9 19.2 28.8

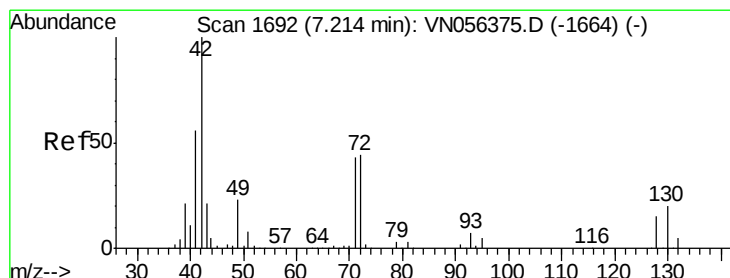
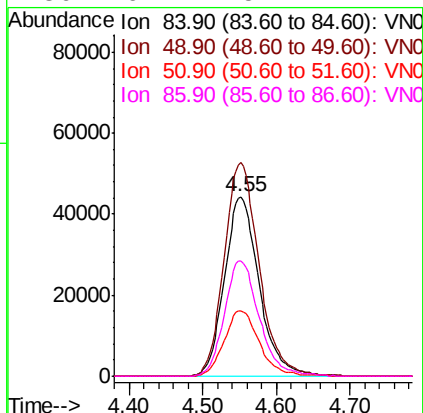
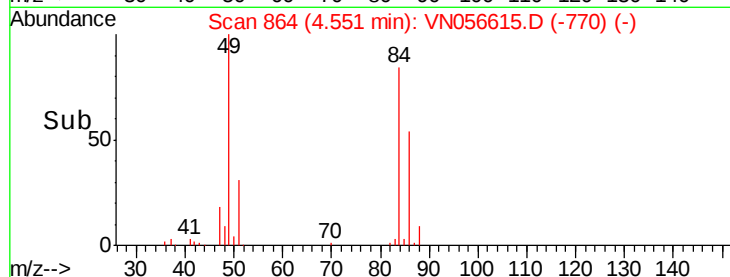
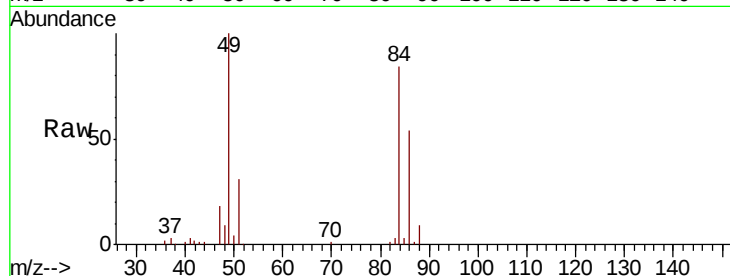




#20
Methylene Chloride
Concen: 47.213 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

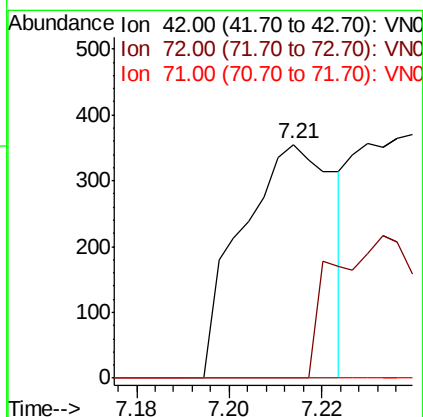
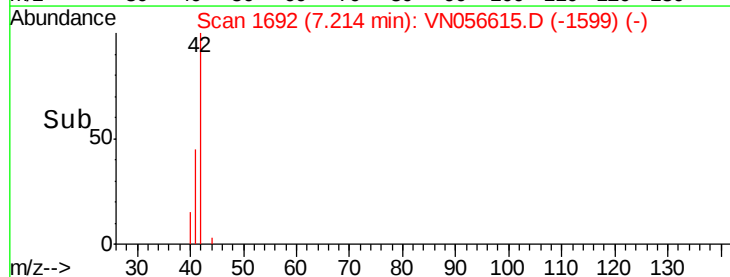
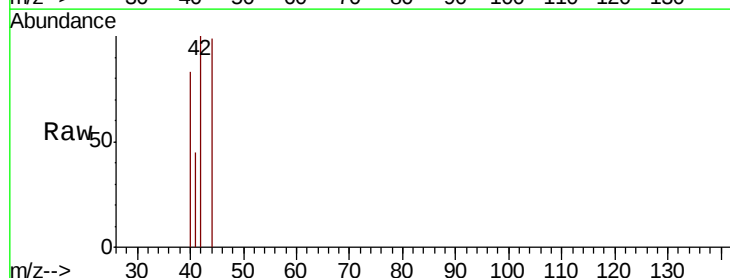
Instrument :
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ClientSampleId :
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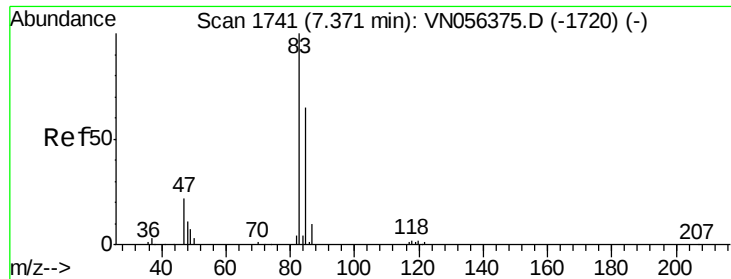
Tot Ion: 84 Resp: 145149
Ion Ratio Lower Upper
84 100
49 118.9 96.4 144.6
51 36.5 28.6 43.0
86 64.2 51.4 77.2



#29
Tetrahydrofuran
Concen: 0.374 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion: 42 Resp: 493
Ion Ratio Lower Upper
42 100
72 0.0 34.7 52.1#
71 0.0 33.0 49.6#

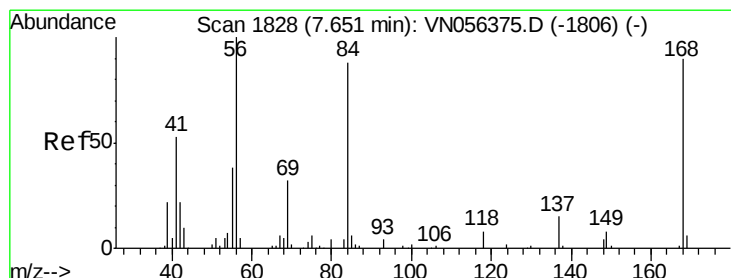
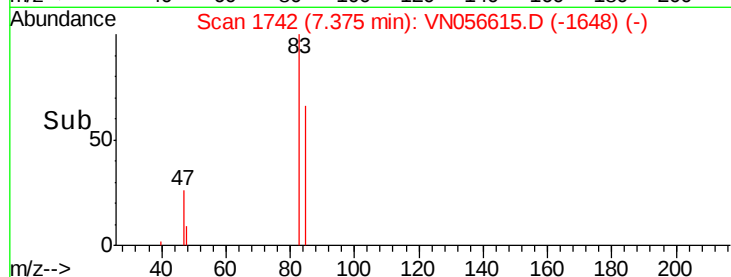
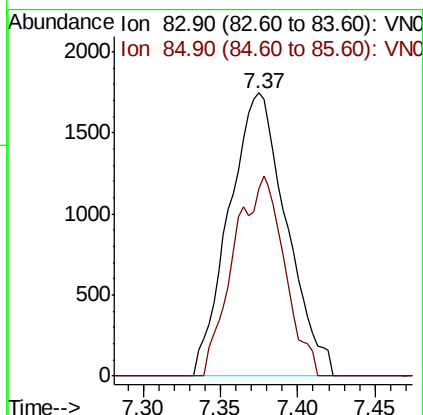
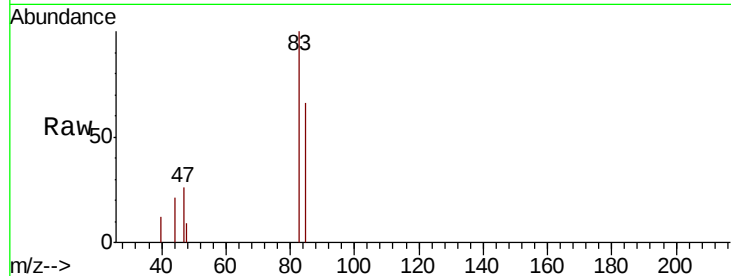




#30
Chloroform
Concen: 0.880 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

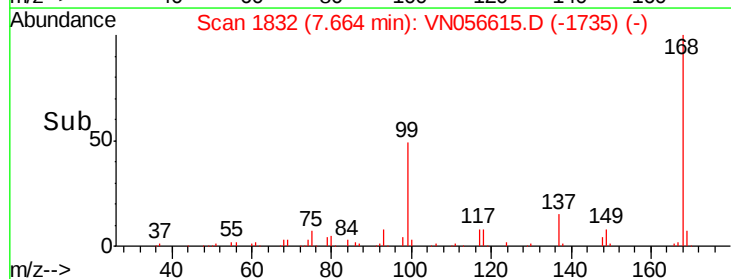
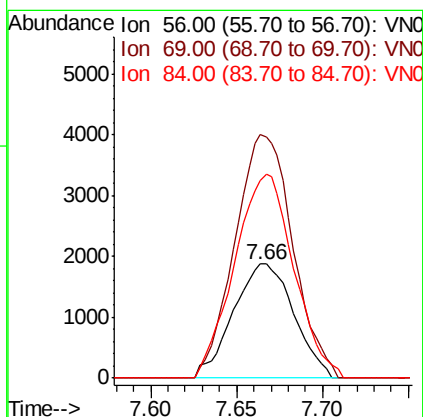
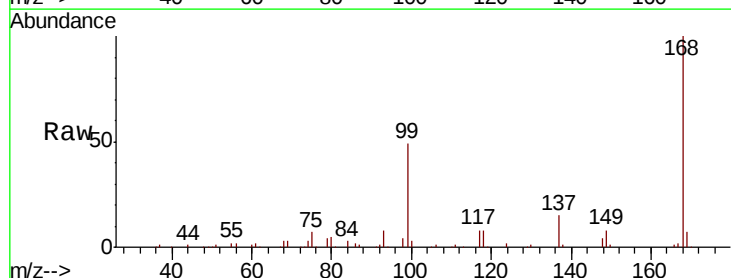
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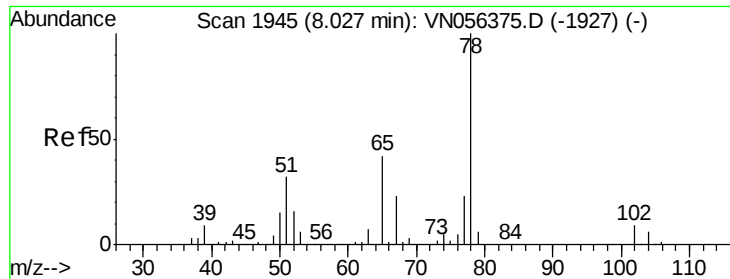
Tot Ion: 83 Resp: 4515
Ion Ratio Lower Upper
83 100
85 66.2 52.3 78.5



#31
Cyclohexane
Concen: 0.913 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion: 56 Resp: 4586
Ion Ratio Lower Upper
56 100
69 213.4 25.8 38.6#
84 172.7 69.4 104.0#

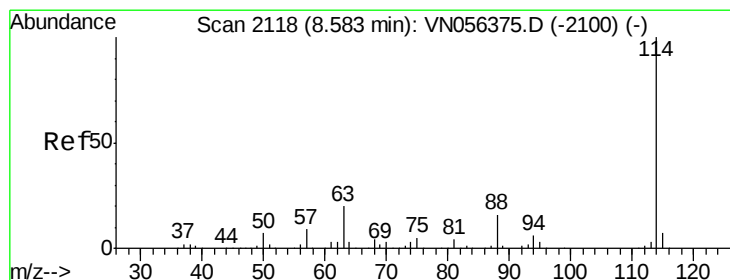
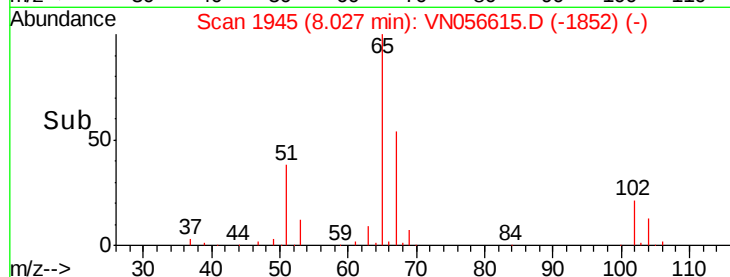
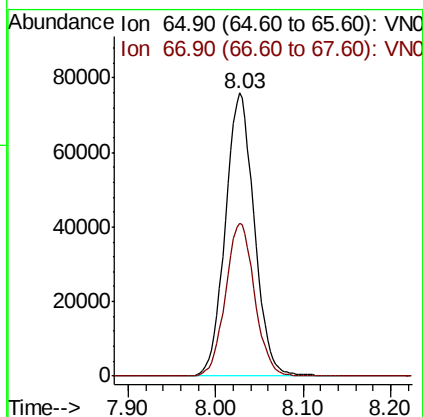
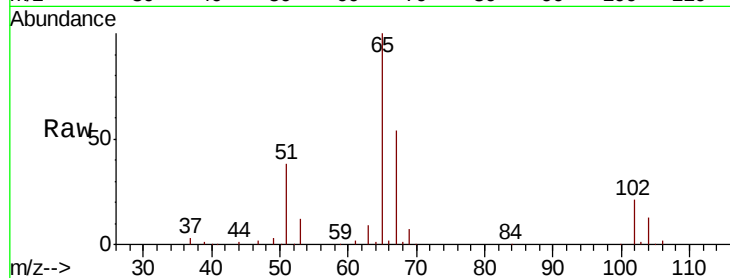




#33
 1,2-Dichloroethane-d4
 Concen: 53.493 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056615.D
 Acq: 8 Jul 2019 17:28

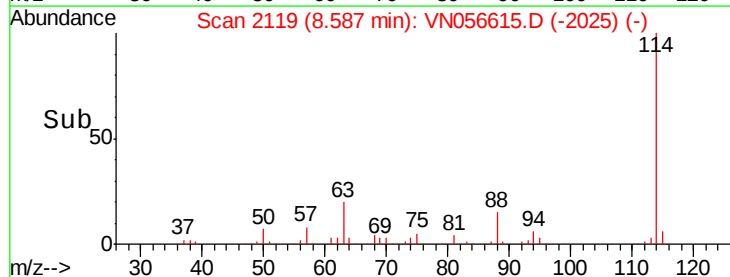
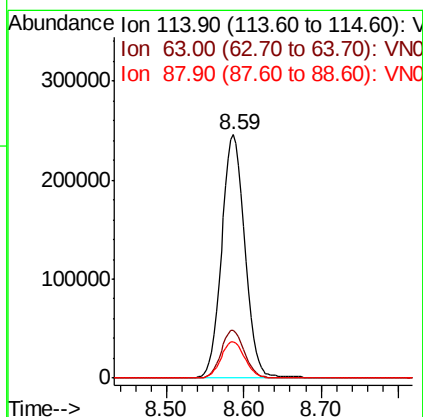
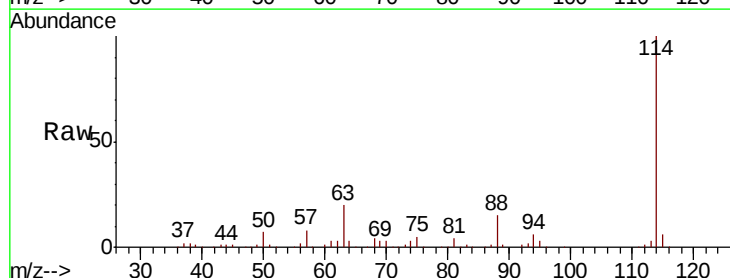
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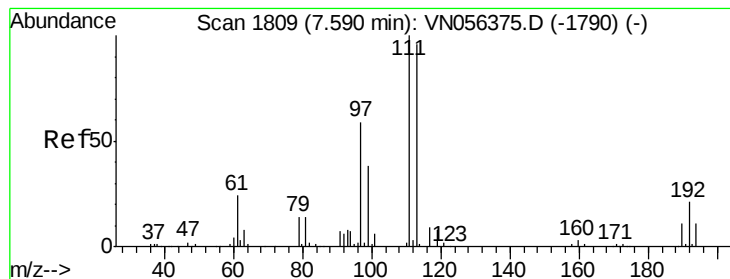
Tot Ion: 65 Resp: 173939
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056615.D
 Acq: 8 Jul 2019 17:28

Tgt Ion: 114 Resp: 513698
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.2
 88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.284 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

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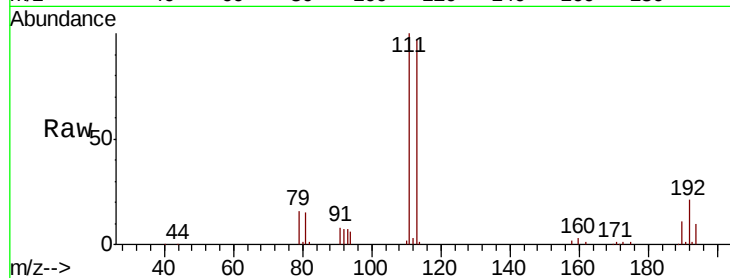
Tot Ion:113 Resp: 151528

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

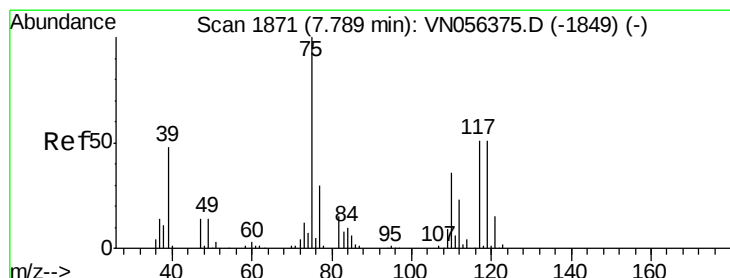
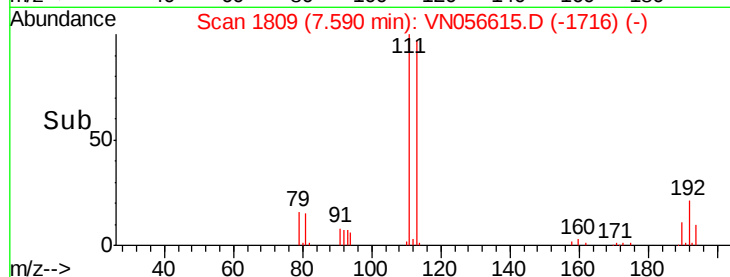
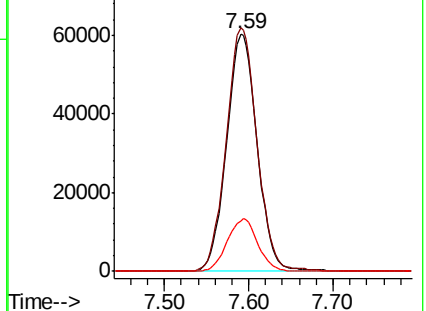
192 22.1 17.7 26.5



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: 4.315 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

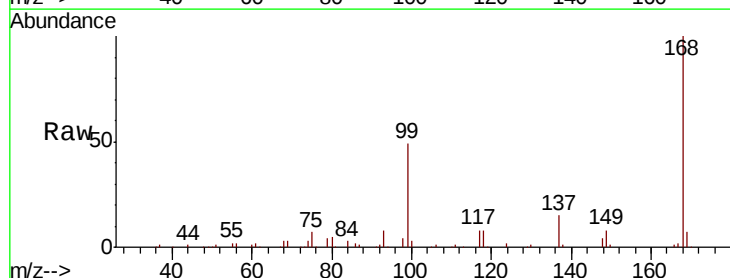
Tgt Ion: 75 Resp: 19510

Ion Ratio Lower Upper

75 100

110 4.8 18.1 54.3#

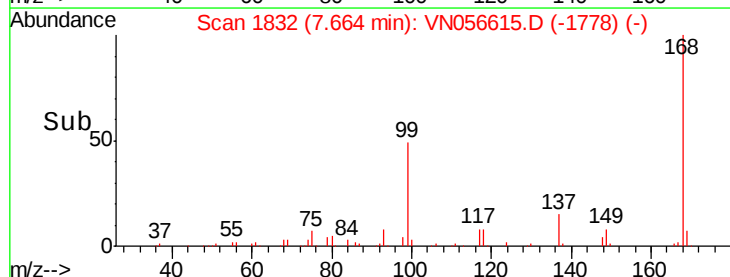
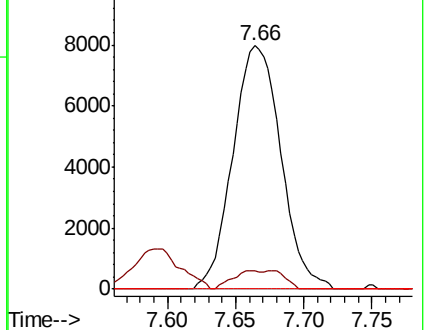
77 0.0 24.6 36.8#

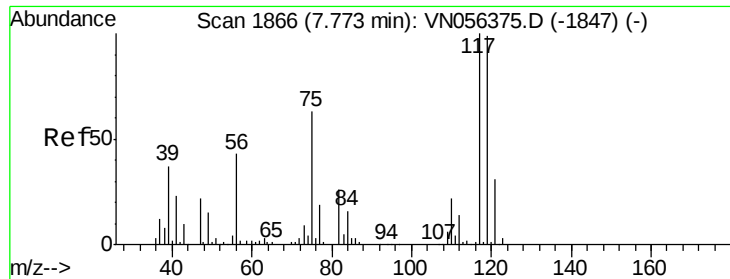


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

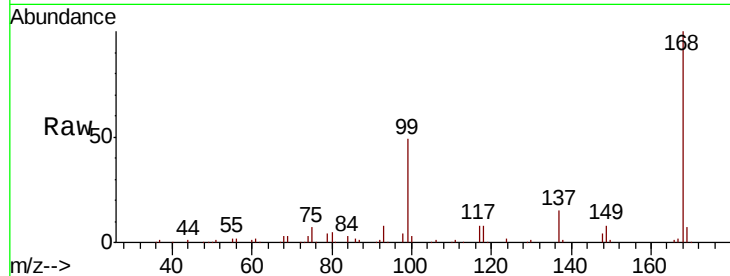




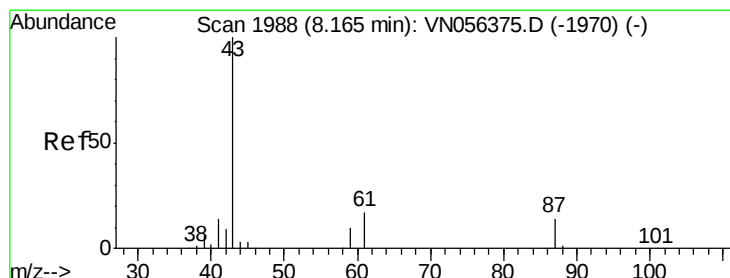
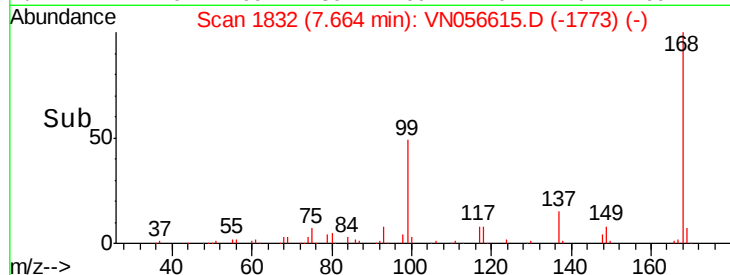
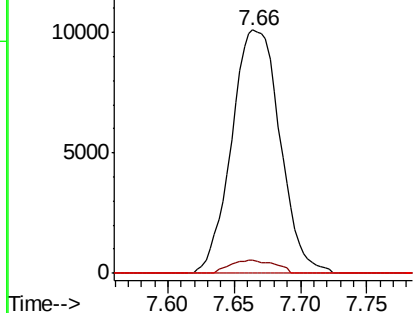
#38
Carbon Tetrachloride
Concen: 6.483 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

Tot Ion:117 Resp: 25633
Ion Ratio Lower Upper
117 100
119 5.6 79.1 118.7#
121 0.0 24.8 37.2#

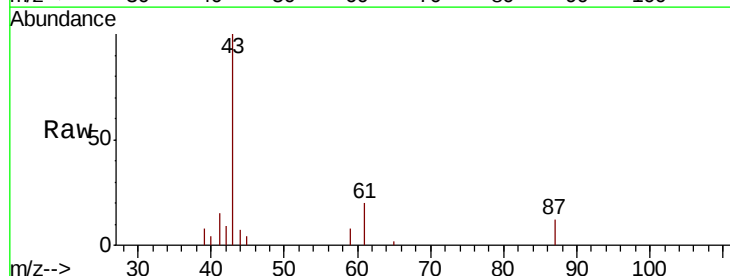


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

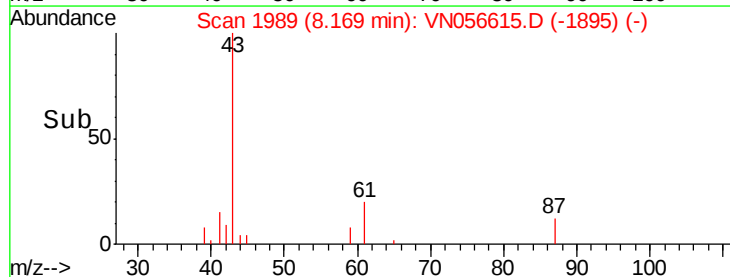
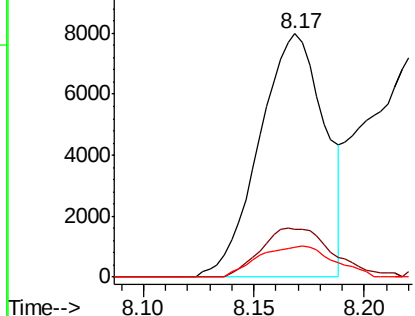


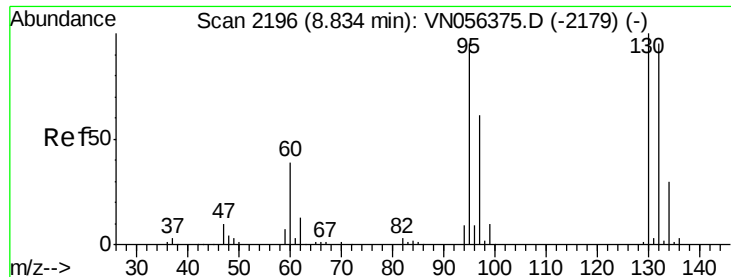
#43
Isopropyl Acetate
Concen: 2.383 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion: 43 Resp: 16325
Ion Ratio Lower Upper
43 100
61 22.4 22.0 33.0
87 14.7 11.0 16.4



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





#44

Trichloroethene

Concen: 0.354 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

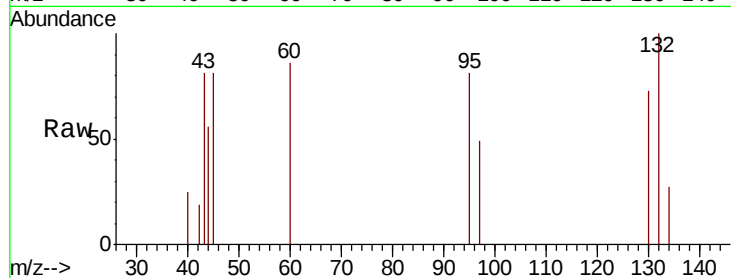
PL-01-070319-A

Tot Ion:130 Resp: 1325

Ion Ratio Lower Upper

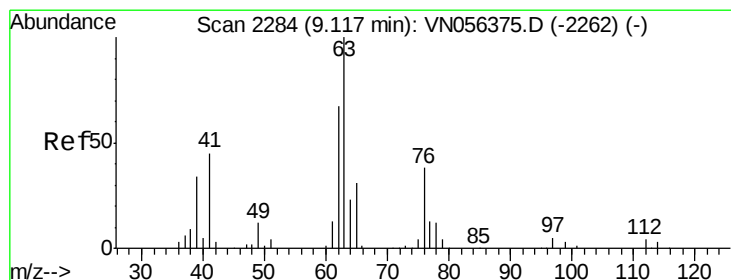
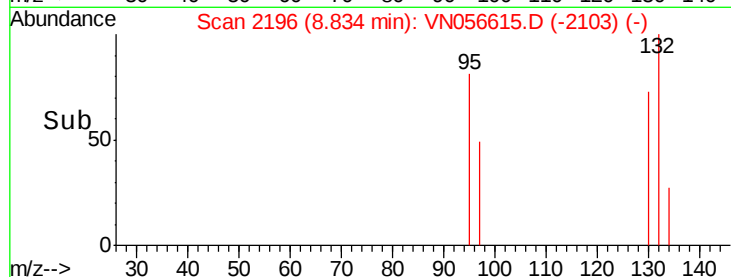
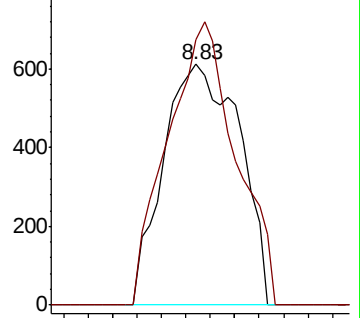
130 100

95 110.6 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 0.395 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN056615.D

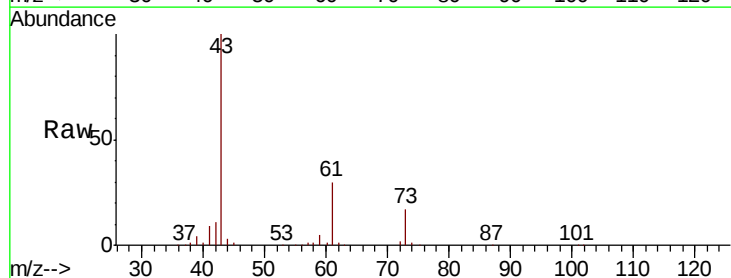
Acq: 8 Jul 2019 17:28

Tgt Ion: 63 Resp: 1470

Ion Ratio Lower Upper

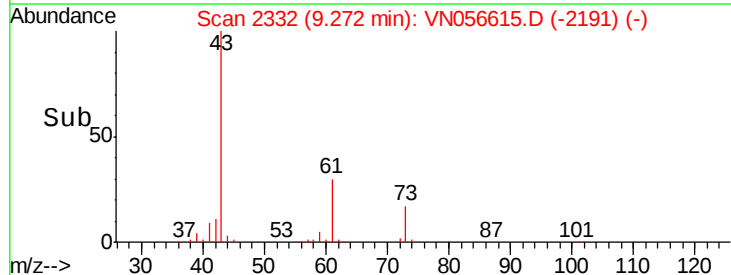
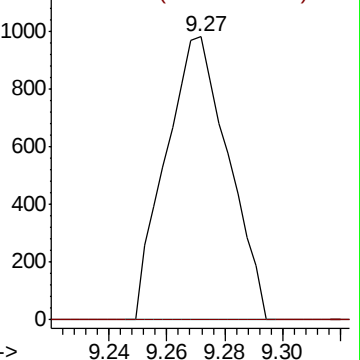
63 100

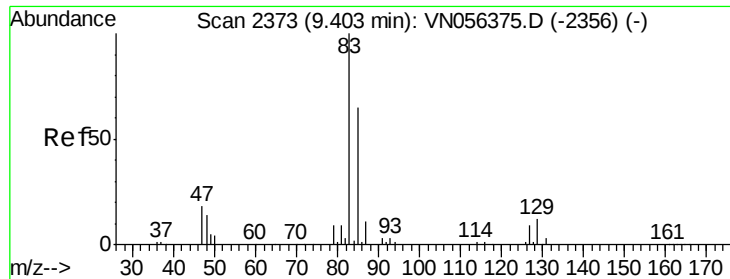
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





#47

Bromodichloromethane

Concen: 0.217 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

PL-01-070319-A

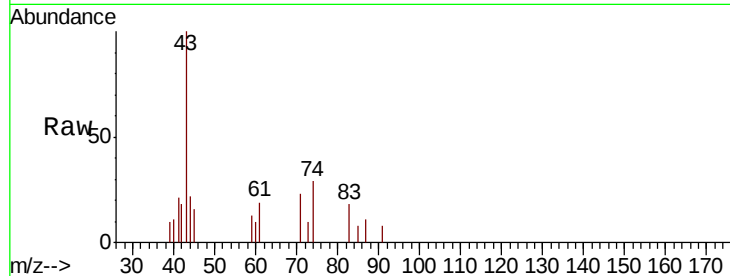
Tot Ion: 83 Resp: 896

Ion Ratio Lower Upper

83 100

85 44.1 52.2 78.4#

127 0.0 7.3 10.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0

9.41

400

300

200

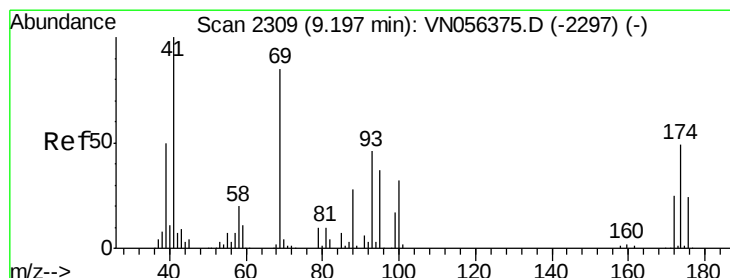
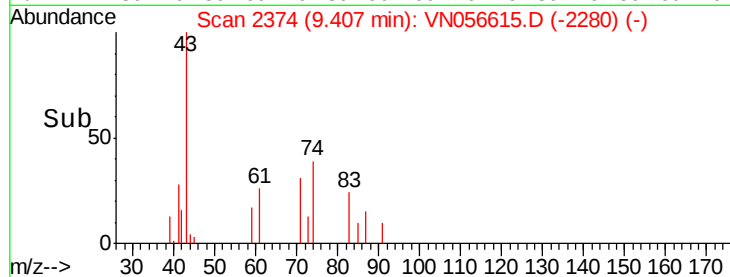
100

0

9.40

9.45

Time-->



#48

Methyl methacrylate

Concen: 2.642 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

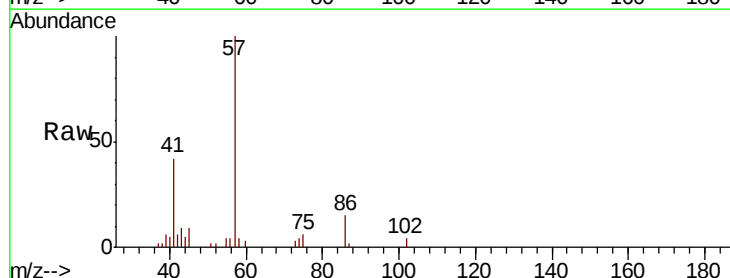
Tgt Ion: 41 Resp: 9070

Ion Ratio Lower Upper

41 100

69 0.0 72.6 109.0#

39 0.0 42.6 63.8#



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

80000

60000

40000

20000

0

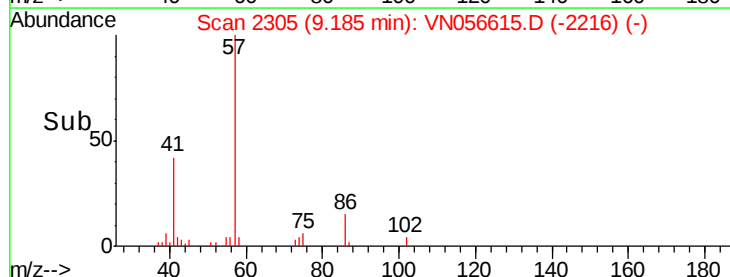
9.10

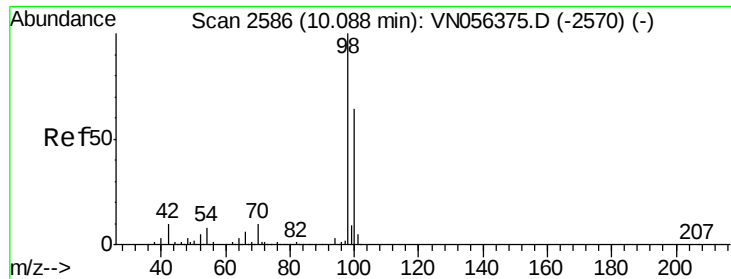
9.15

9.20

9.25

Time-->

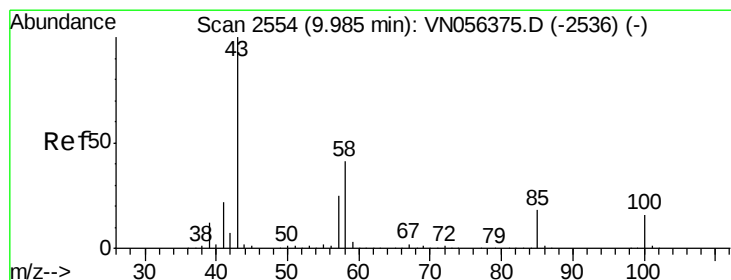
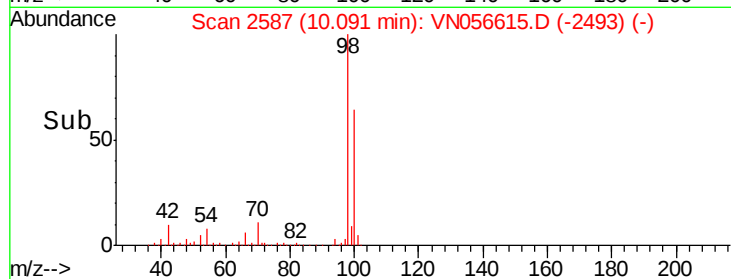
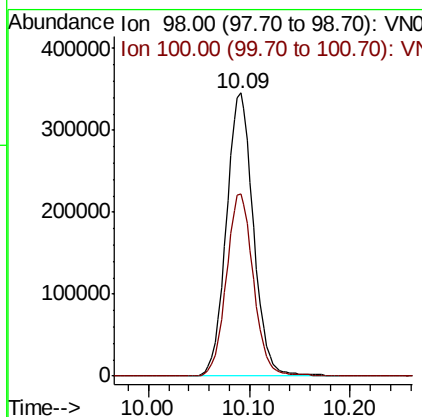
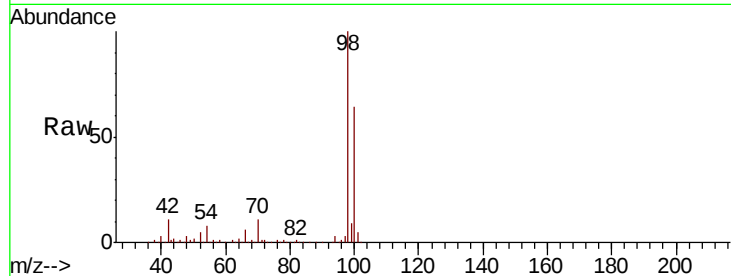




#50
Toluene-d8
Concen: 51.856 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

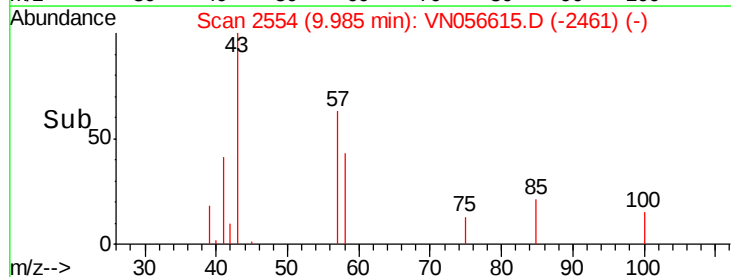
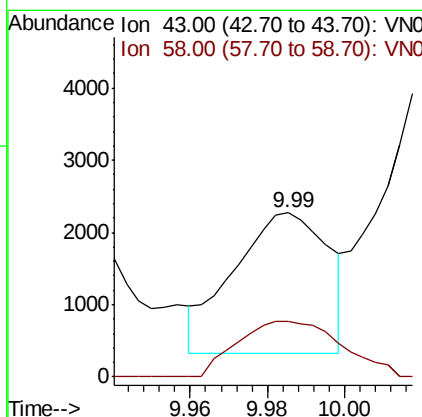
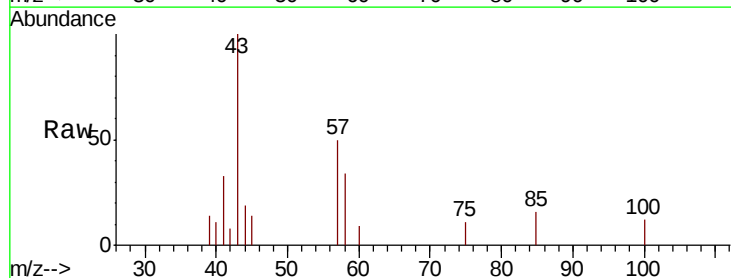
Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

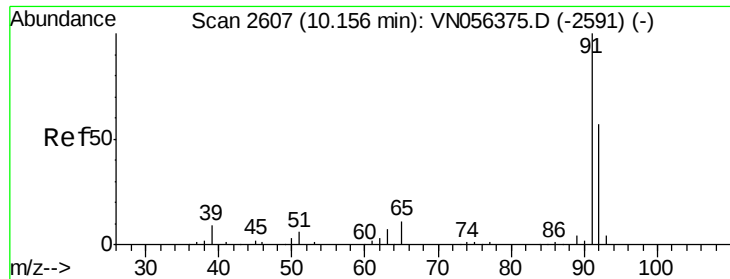
Tot Ion: 98 Resp: 646620
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.750 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion: 43 Resp: 3317
Ion Ratio Lower Upper
43 100
58 43.6 31.8 47.8





#52

Toluene

Concen: 0.300 ug/l

RT: 10.16 min Scan# 2609

Delta R.T. 0.01 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

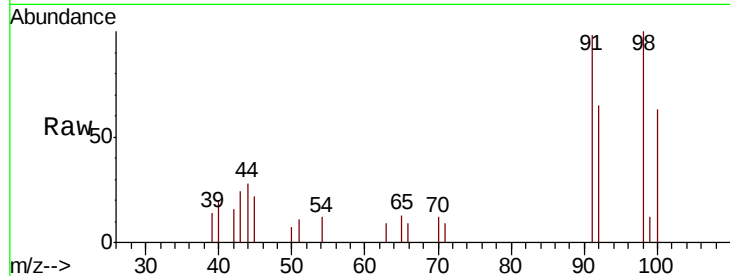
PL-01-070319-A

Tot Ion: 92 Resp: 2551

Ion Ratio Lower Upper

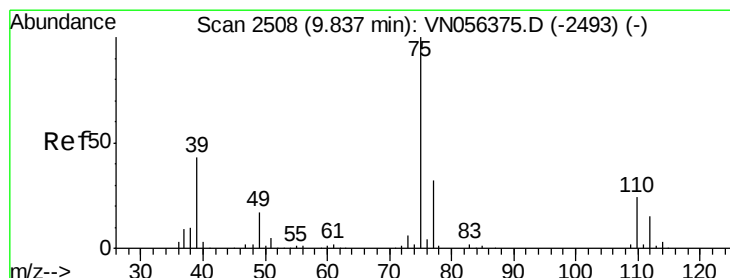
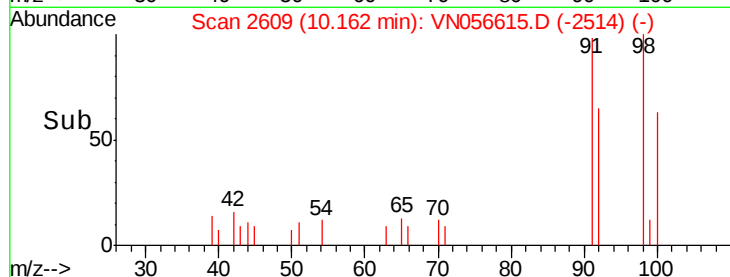
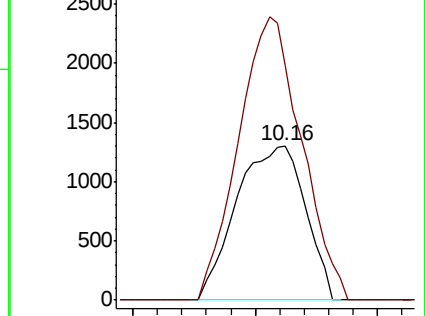
92 100

91 167.9 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 9.708 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

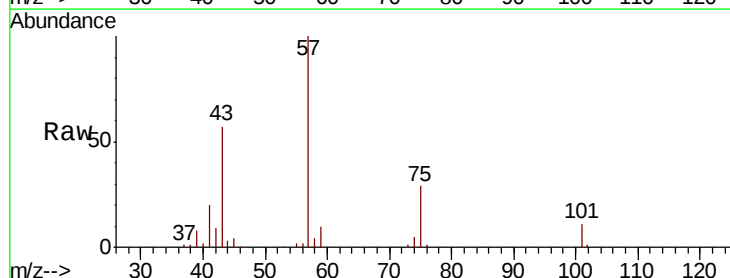
Tgt Ion: 75 Resp: 48251

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

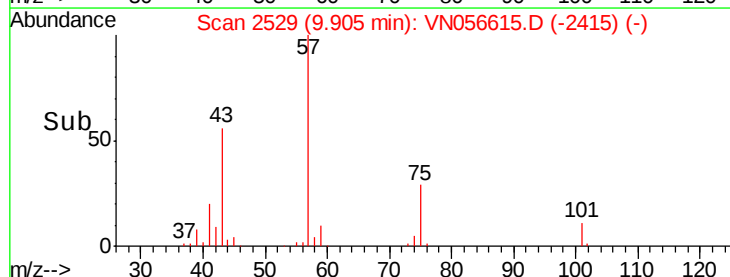
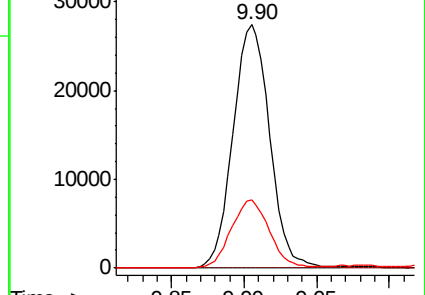
39 28.2 34.2 51.4#

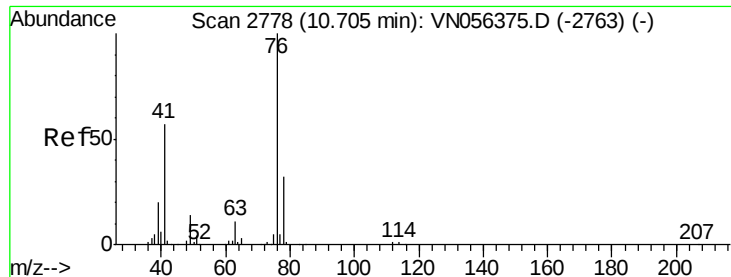


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

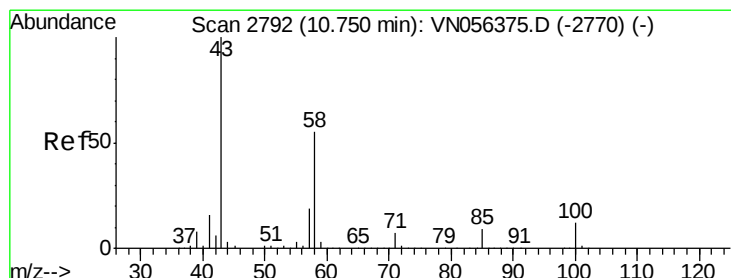
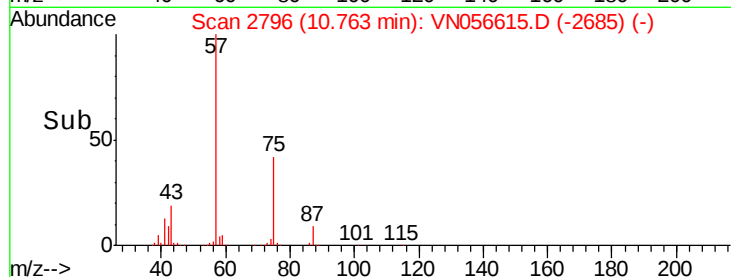
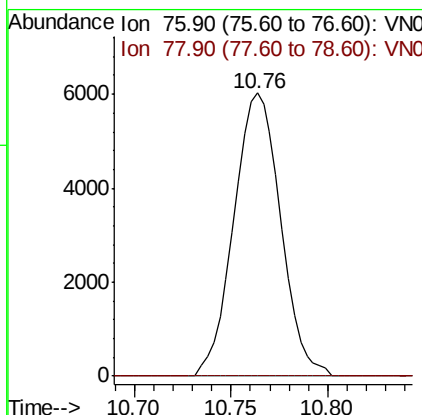
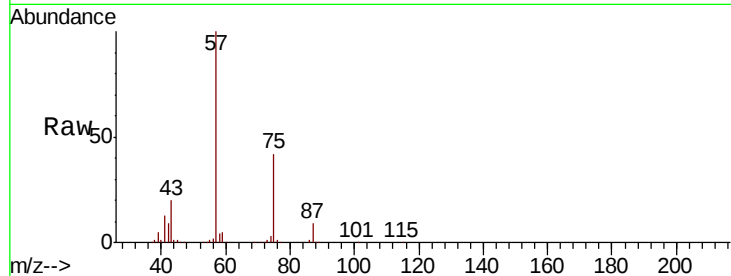




#57
 1,3-Dichloropropane
 Concen: 1.762 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056615.D
 Acq: 8 Jul 2019 17:28

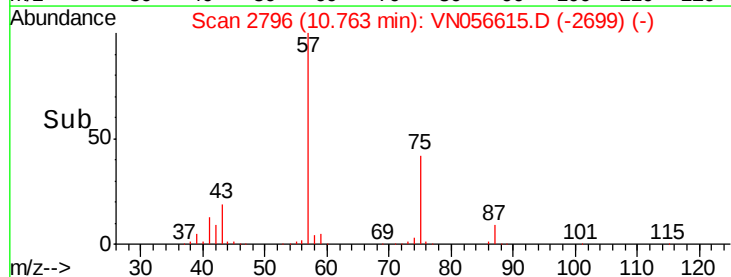
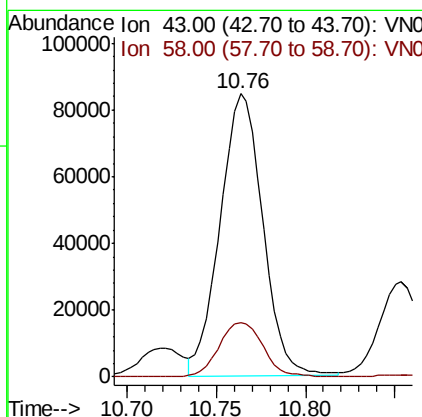
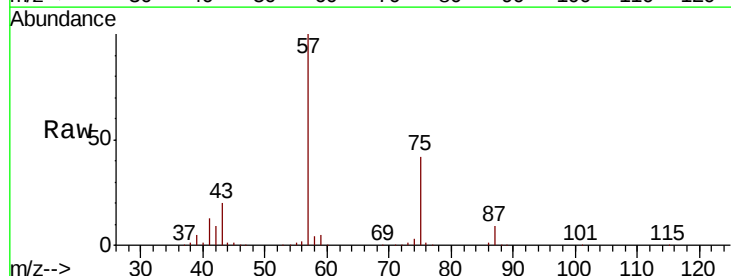
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-070319-A

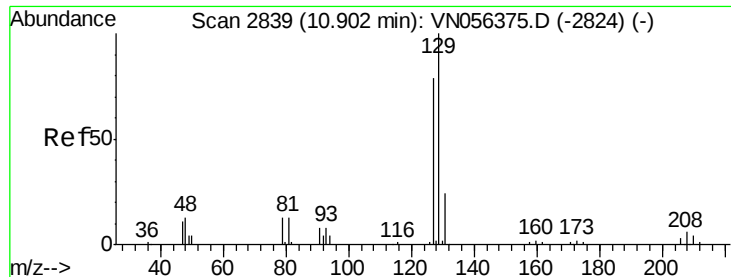
Tot Ion: 76 Resp: 10115
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 43.303 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056615.D
 Acq: 8 Jul 2019 17:28

Tgt Ion: 43 Resp: 140745
 Ion Ratio Lower Upper
 43 100
 58 20.1 27.8 83.4#





#60

Dibromochloromethane

Concen: 2.576 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

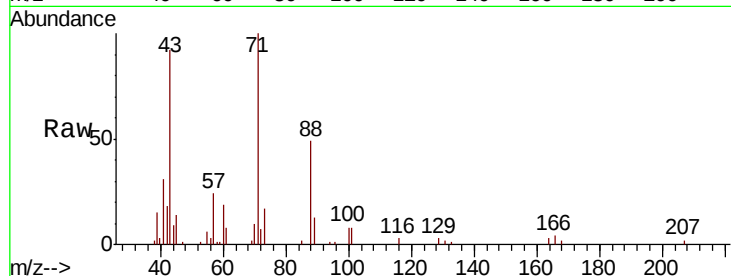
PL-01-070319-A

Tot Ion:129 Resp: 716

Ion Ratio Lower Upper

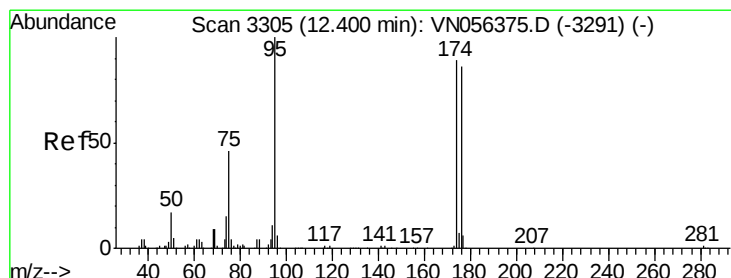
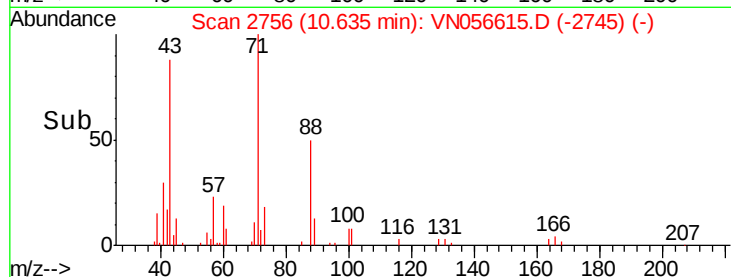
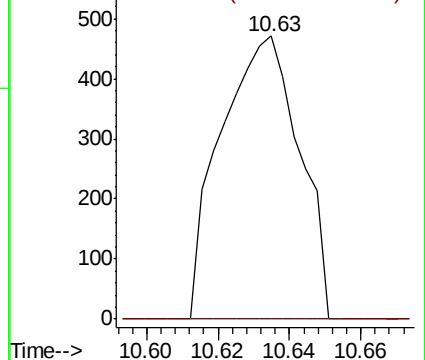
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 59.106 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

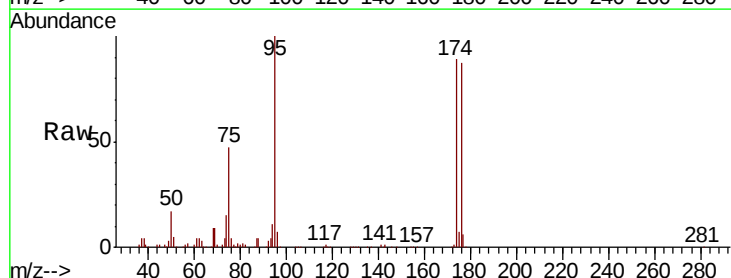
Tgt Ion: 95 Resp: 245691

Ion Ratio Lower Upper

95 100

174 89.7 0.0 179.4

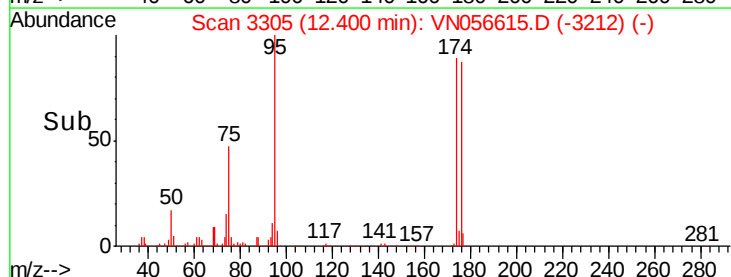
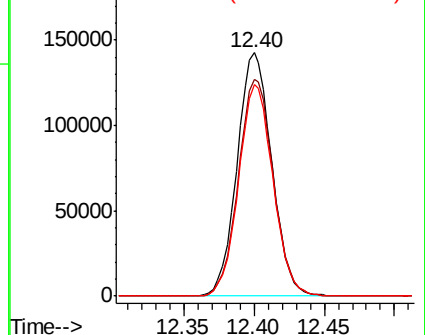
176 86.4 0.0 173.4

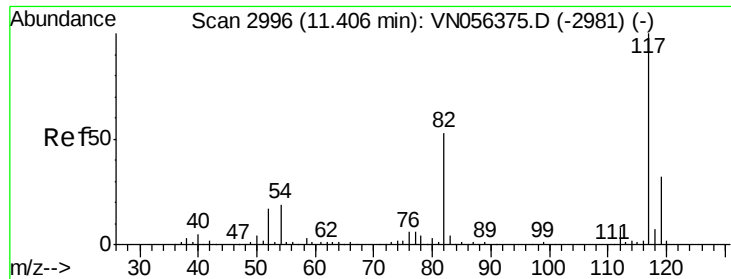


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

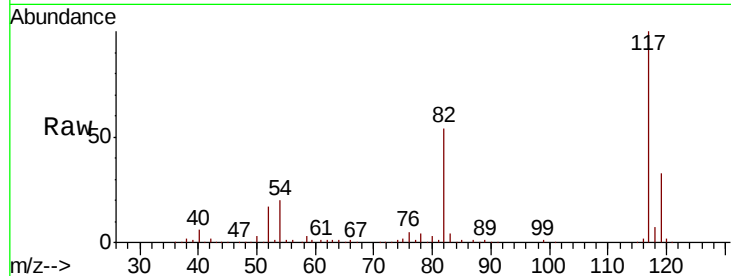




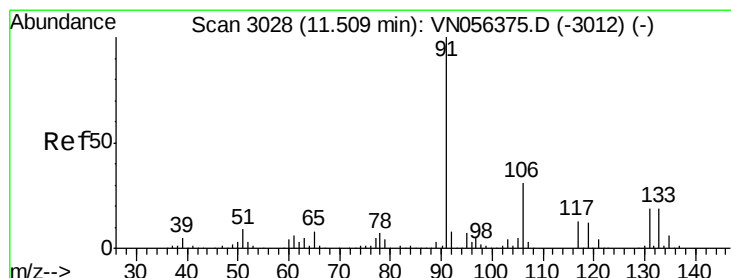
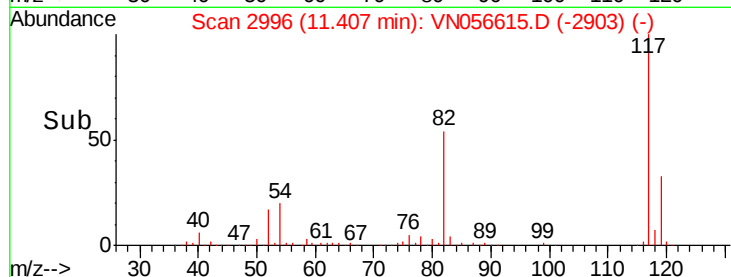
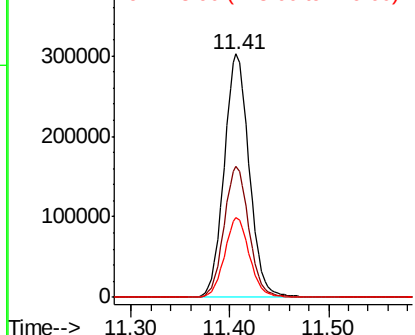
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

Tot Ion:117 Resp: 538800
Ion Ratio Lower Upper
117 100
82 53.6 42.0 63.0
119 32.9 25.3 37.9

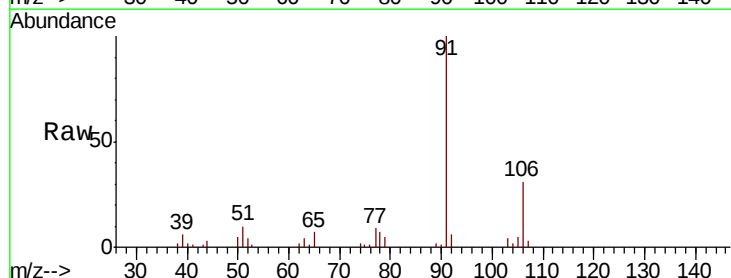


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

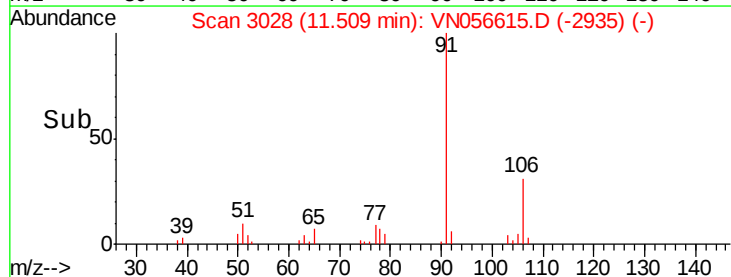
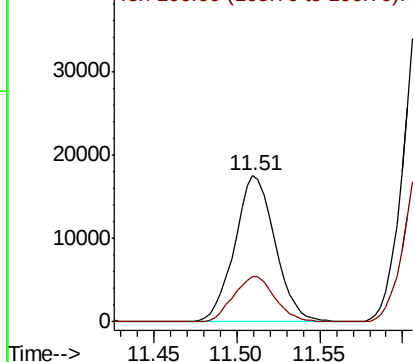


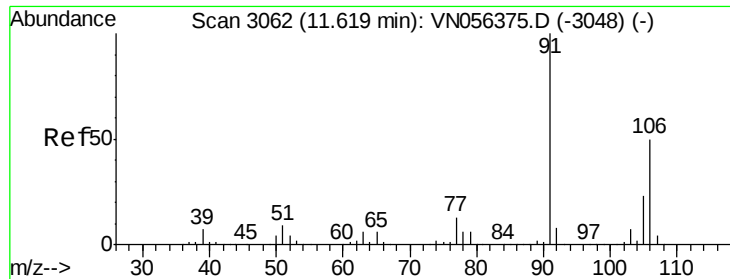
#67
Ethyl Benzene
Concen: 1.557 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion: 91 Resp: 29597
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

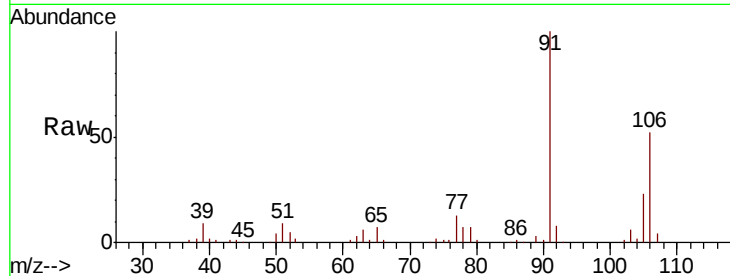




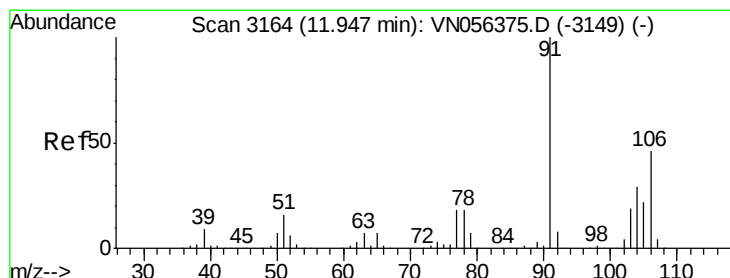
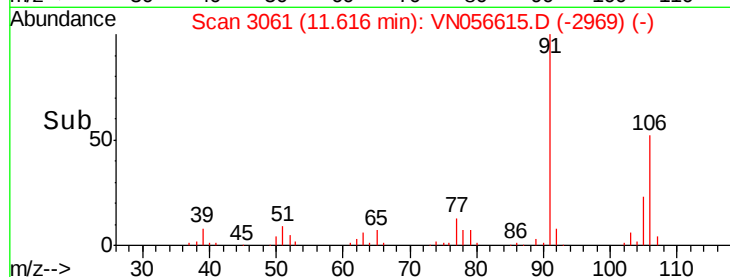
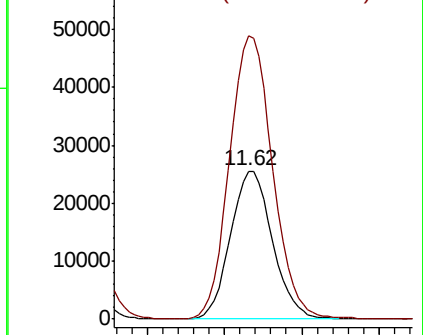
#68
m/p-Xylenes
Concen: 6.911 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

Tot Ion:106 Resp: 48146
Ion Ratio Lower Upper
106 100
91 196.6 160.1 240.1

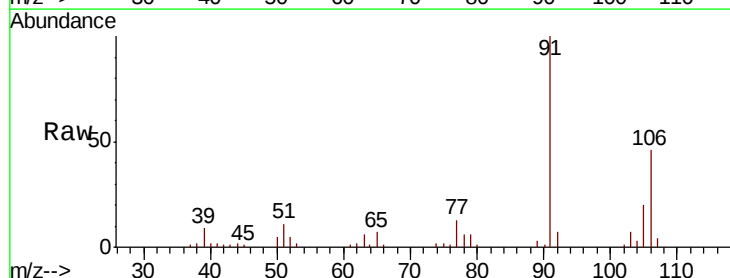


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

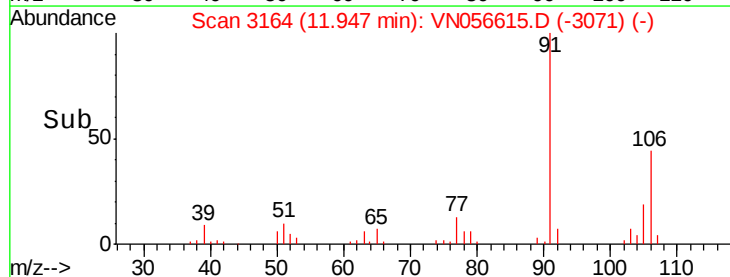
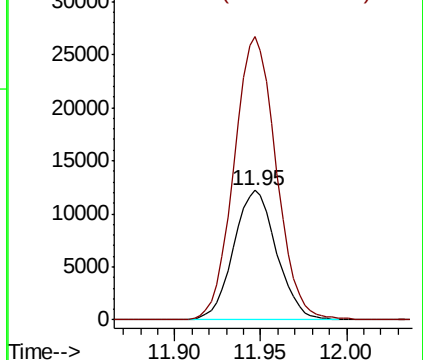


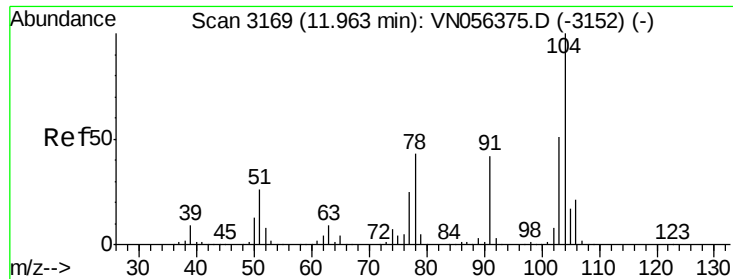
#69
o-Xylene
Concen: 3.081 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion:106 Resp: 21233
Ion Ratio Lower Upper
106 100
91 215.0 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

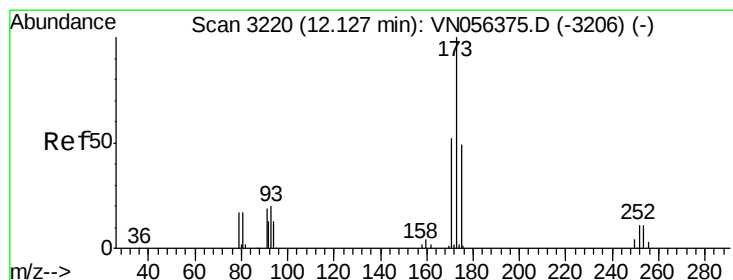
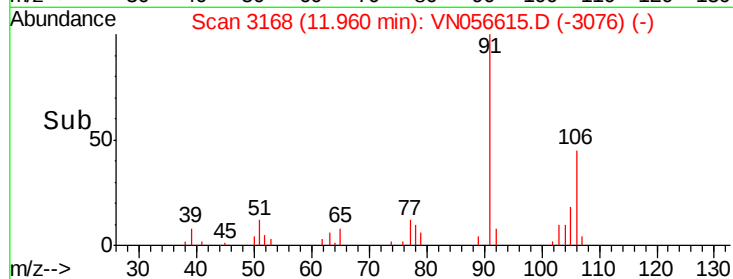
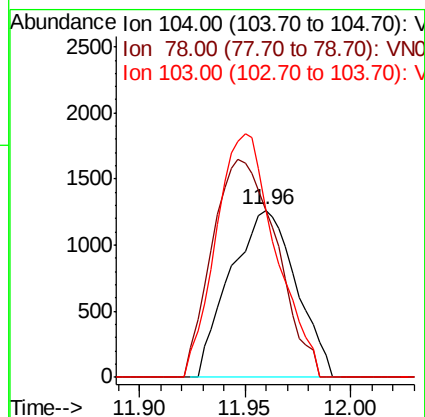
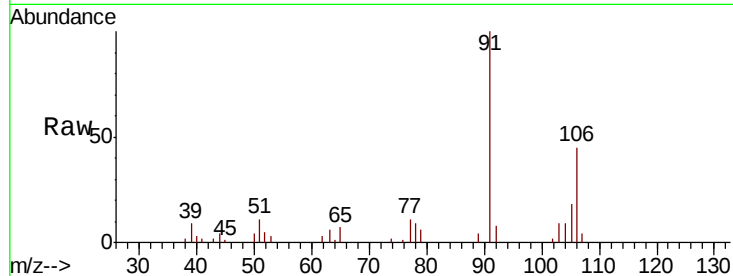




#70
Stvrene
Concen: 0.248 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

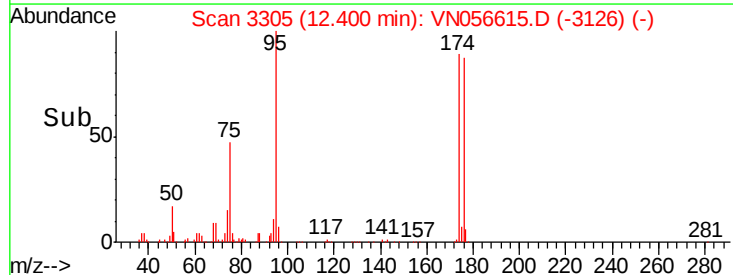
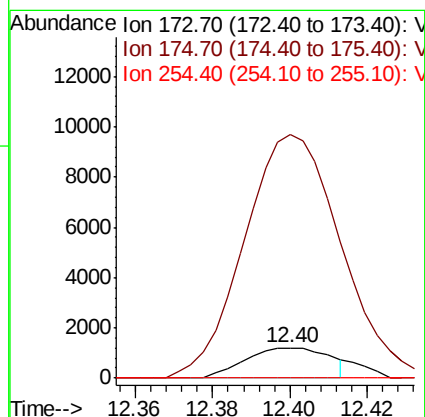
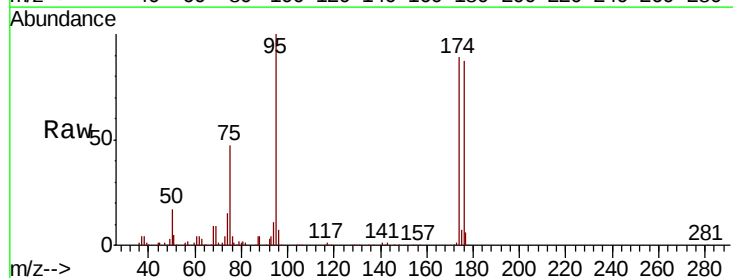
Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

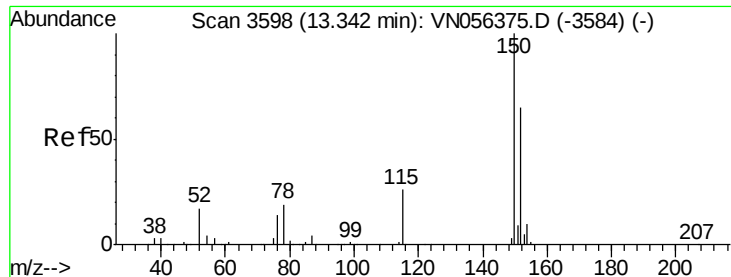
Tot Ion:104 Resp: 2733
Ion Ratio Lower Upper
104 100
78 128.1 38.6 57.8#
103 131.8 43.9 65.9#



#71
Bromoform
Concen: 3.721 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion:173 Resp: 1821
Ion Ratio Lower Upper
173 100
175 812.5 24.4 73.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

PL-01-070319-A

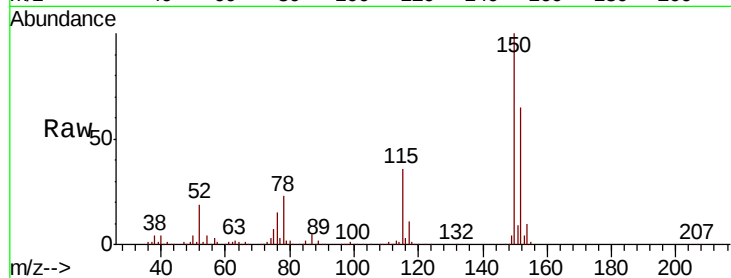
Tot Ion:152 Resp: 229371

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.4

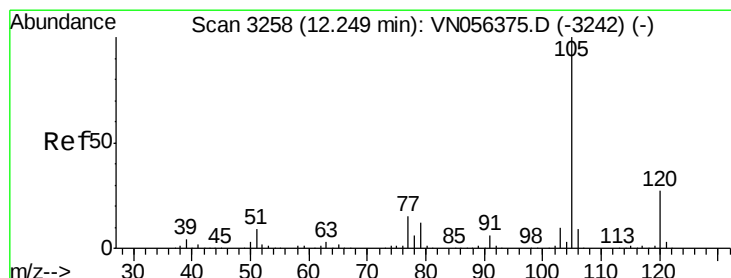
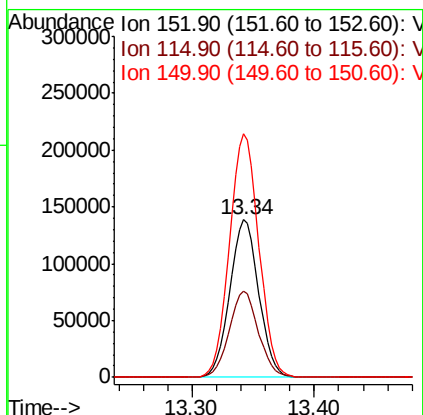
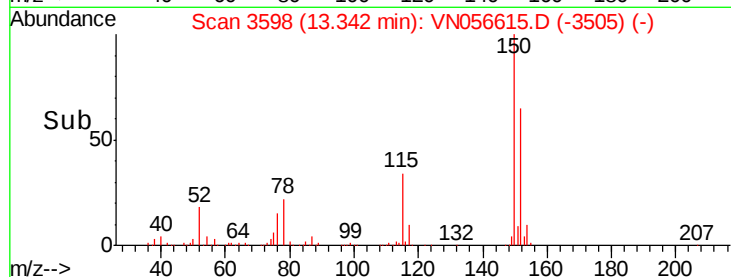
150 156.4 0.0 348.4



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056615.D

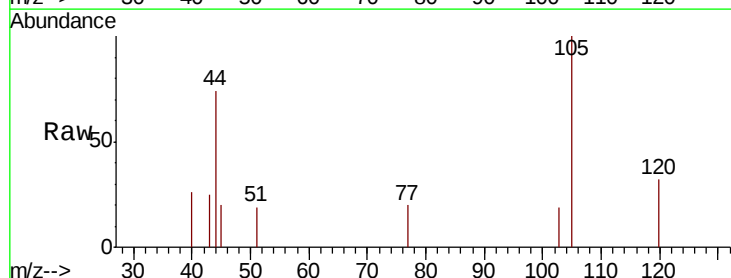
Acq: 8 Jul 2019 17:28

Tgt Ion:105 Resp: 1334

Ion Ratio Lower Upper

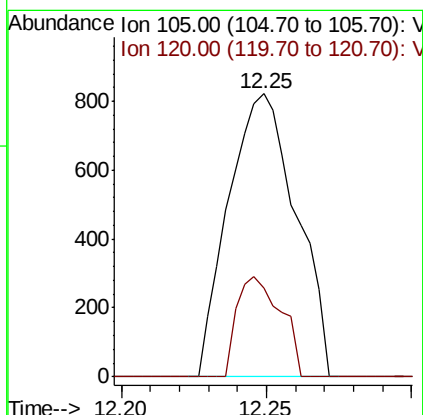
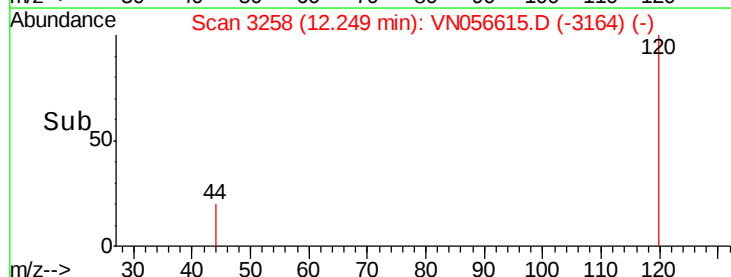
105 100

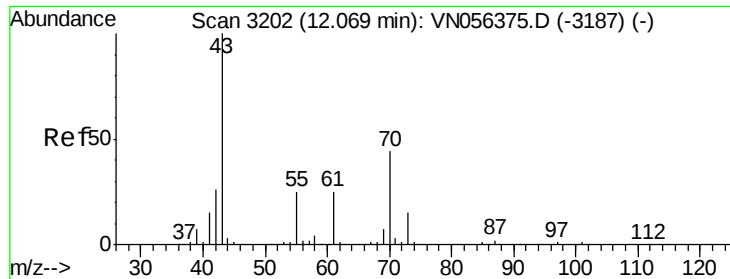
120 22.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.641 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

PL-01-070319-A

Tot Ion: 43 Resp: 11981

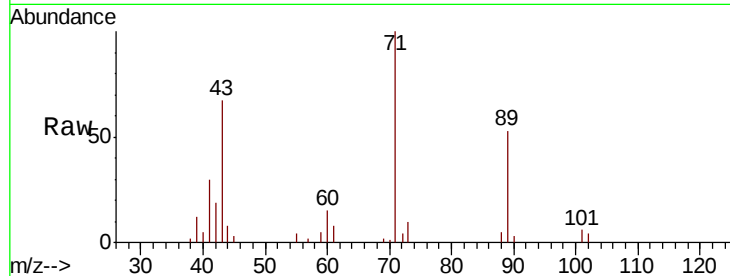
Ion Ratio Lower Upper

43 100

70 0.8 34.9 52.3#

55 4.2 20.4 30.6#

61 11.6 19.8 29.8#

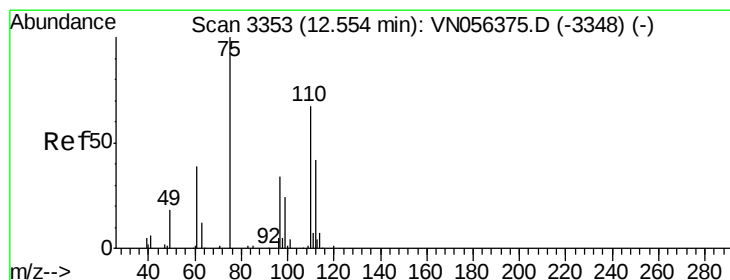
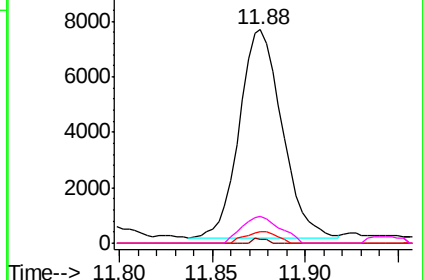
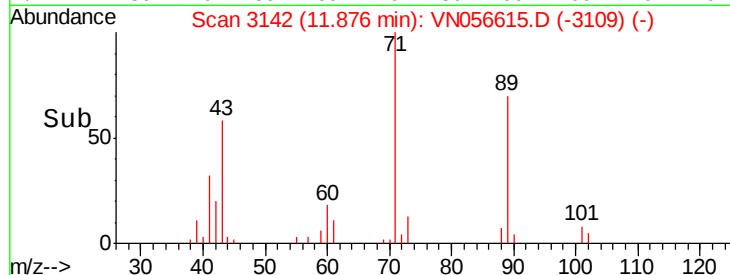


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 24.059 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056615.D

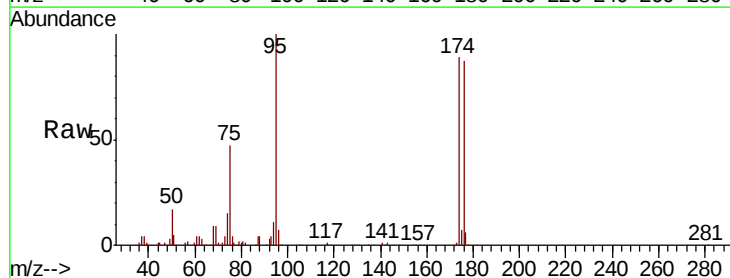
Acq: 8 Jul 2019 17:28

Tgt Ion: 75 Resp: 114425

Ion Ratio Lower Upper

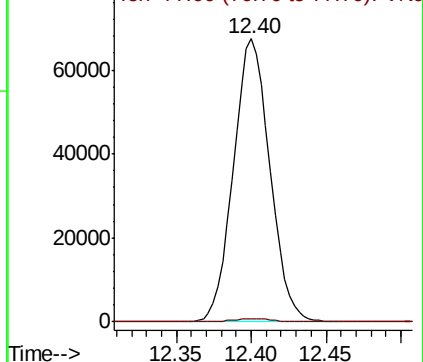
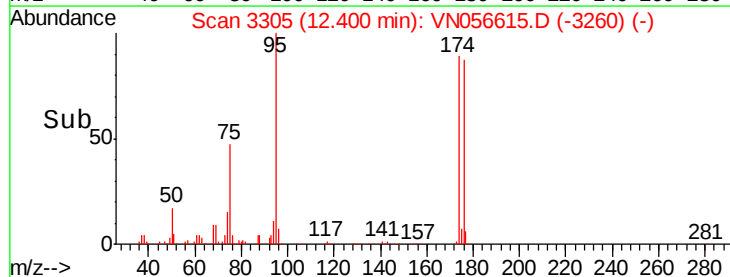
75 100

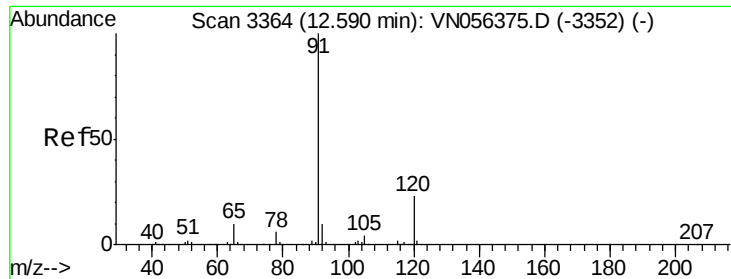
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

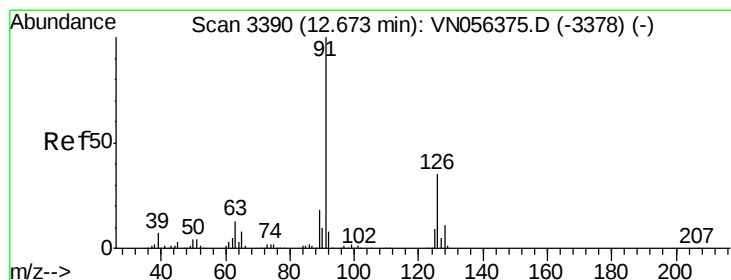
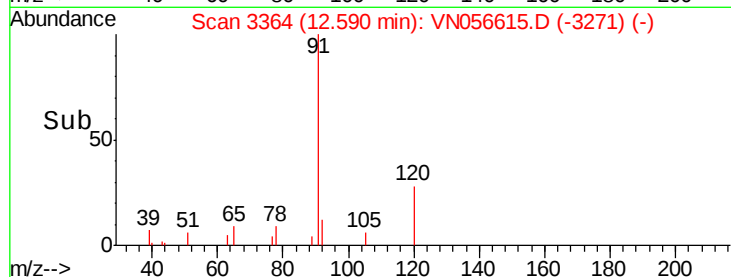
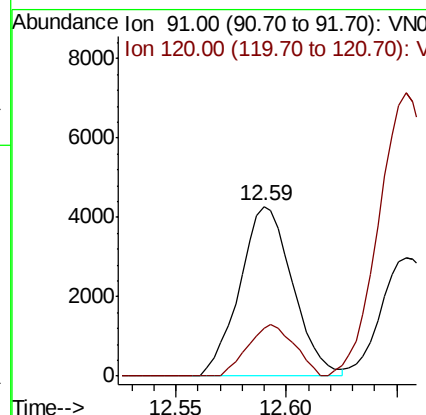
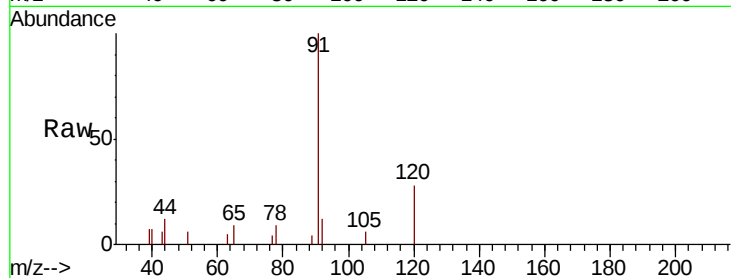




#78
n-propylbenzene
Concen: 0.338 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

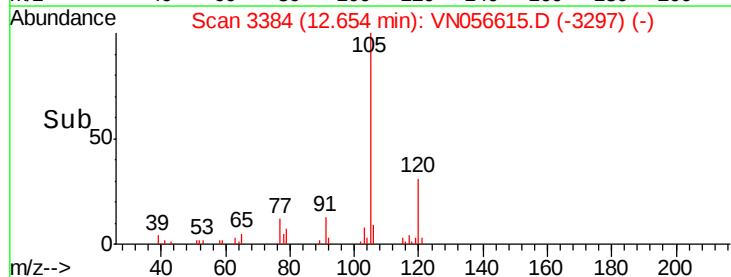
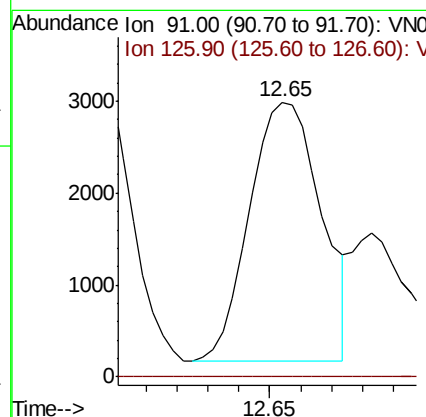
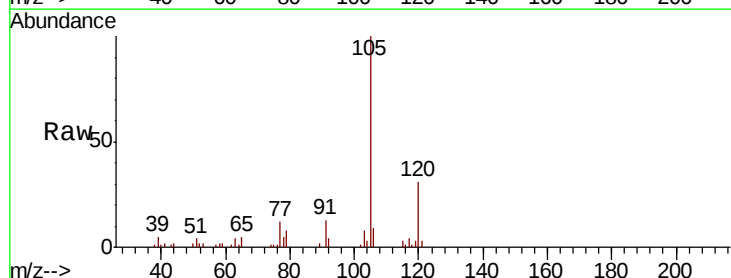
Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

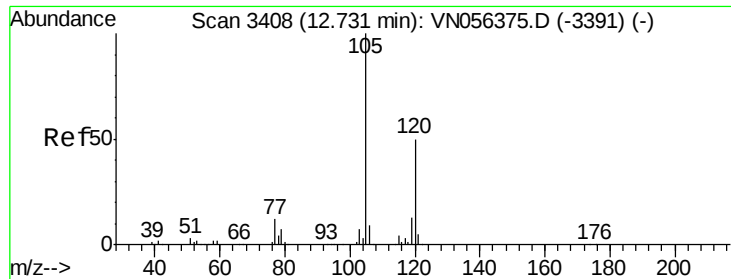
Tot Ion: 91 Resp: 7110
Ion Ratio Lower Upper
91 100
120 26.8 11.8 35.4



#79
2-Chlorotoluene
Concen: Below Cal
RT: 12.65 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion: 91 Resp: 4546
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.8#





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

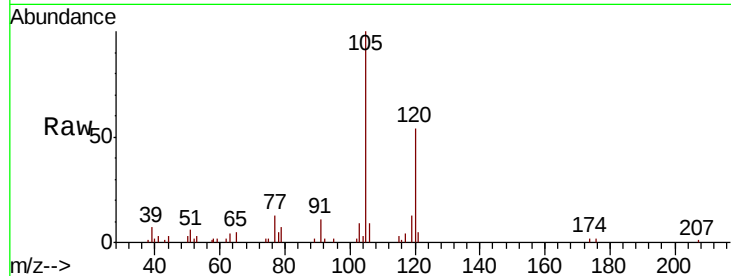
PL-01-070319-A

Tot Ion:105 Resp: 28995

Ion Ratio Lower Upper

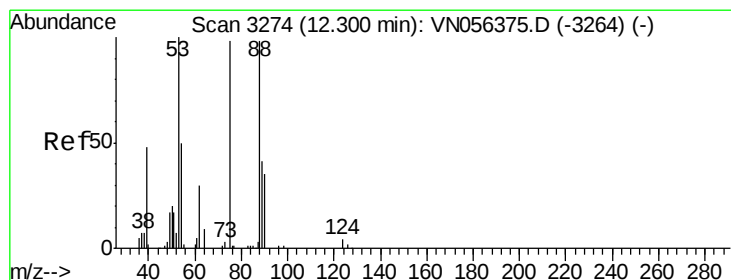
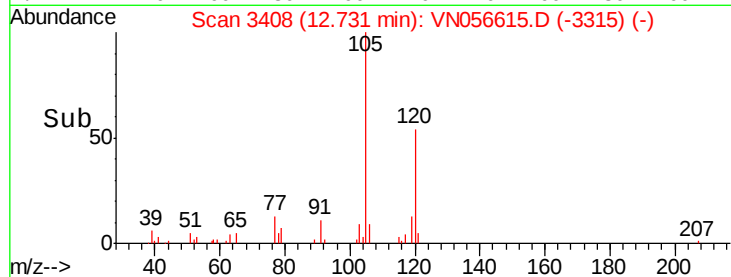
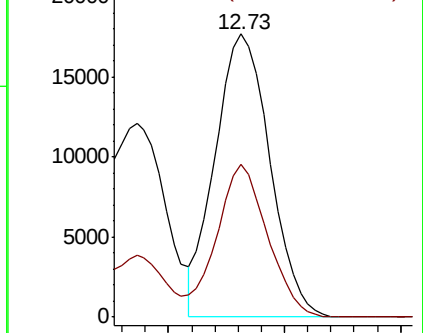
105 100

120 50.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 85.509 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

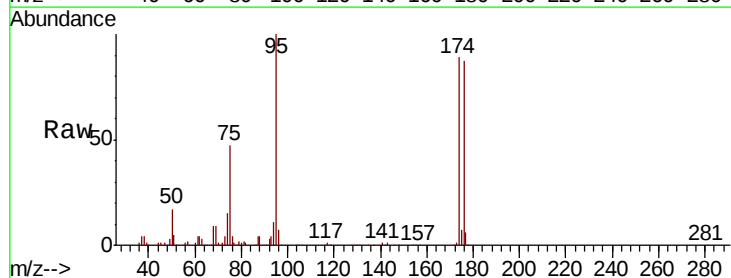
Tgt Ion: 75 Resp: 114425

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

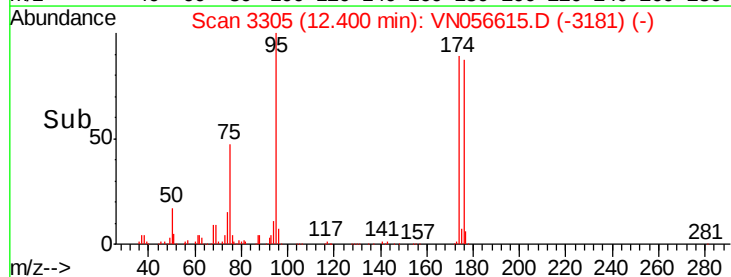
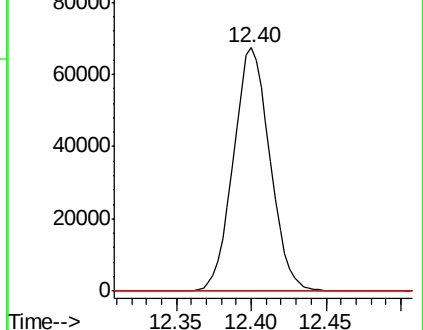
89 0.0 35.0 52.6#

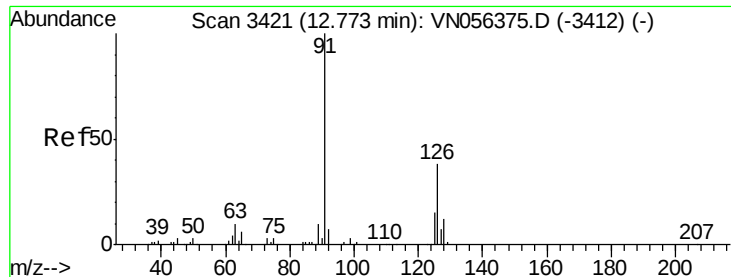


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.243 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

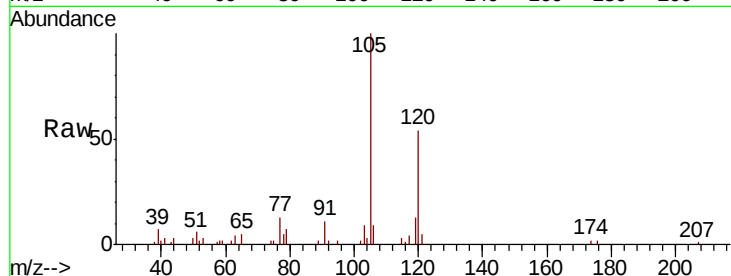
PL-01-070319-A

Tot Ion: 91 Resp: 3013

Ion Ratio Lower Upper

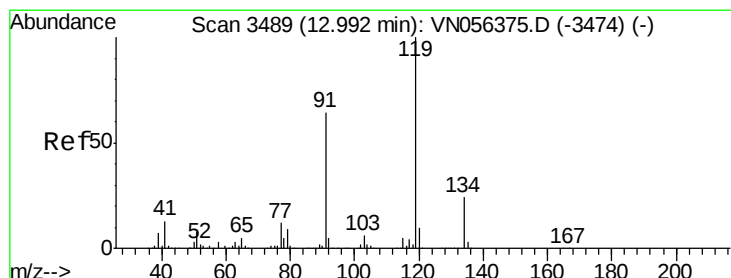
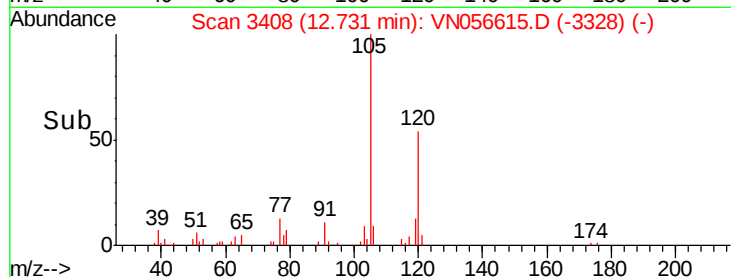
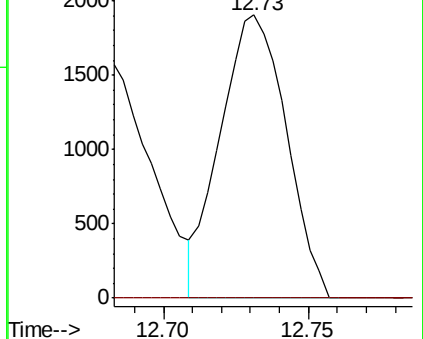
91 100

126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VN056615.D (-3408) (-)

Ion 125.90 (125.60 to 126.60): VN056615.D (-3408) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3503

Delta R.T. 0.05 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

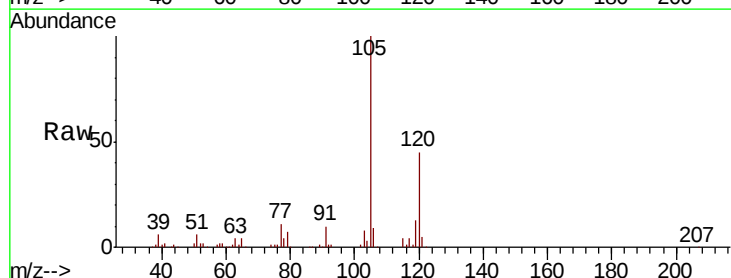
Tgt Ion: 119 Resp: 16970

Ion Ratio Lower Upper

119 100

91 77.8 31.6 94.7

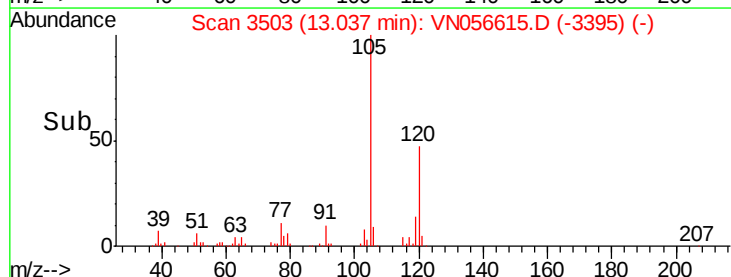
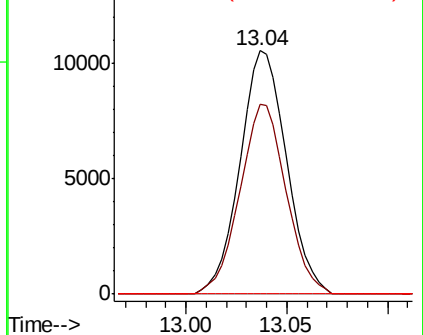
134 0.0 13.2 39.5#

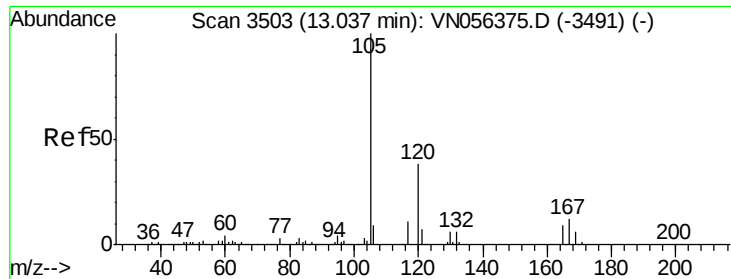


Abundance Ion 119.00 (118.70 to 119.70): VN056615.D (-3503) (-)

Ion 91.00 (90.70 to 91.70): VN056615.D (-3503) (-)

Ion 134.00 (133.70 to 134.70): VN056615.D (-3503) (-)

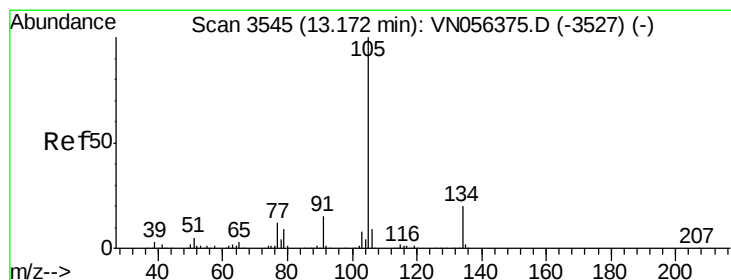
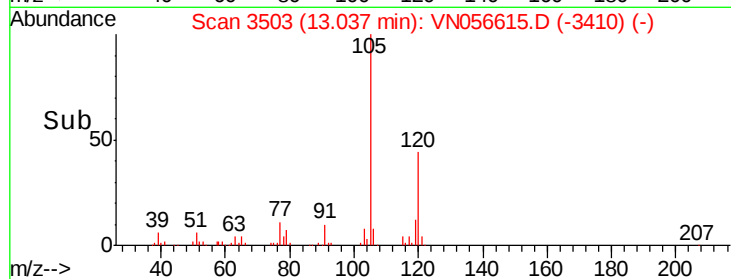
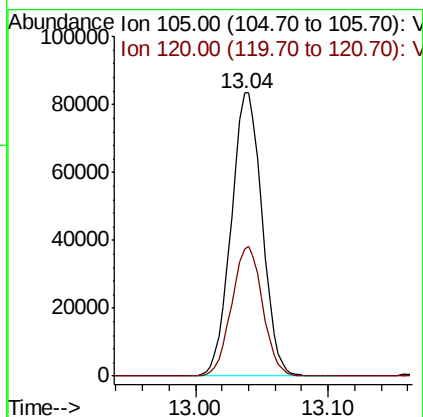
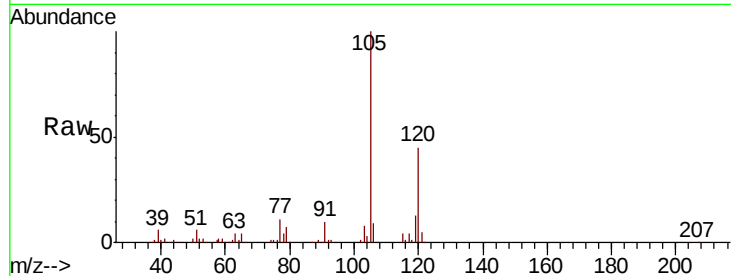




#84
1,2,4-Trimethylbenzene
Concen: 8.764 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

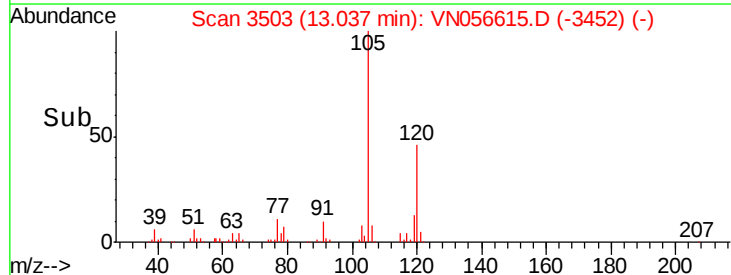
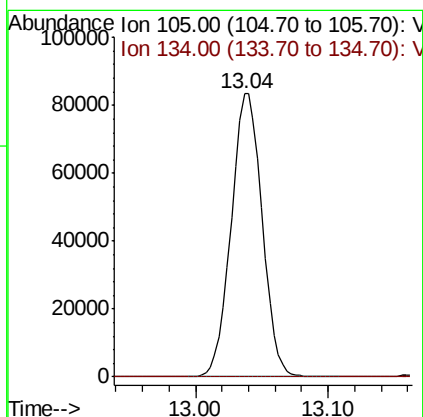
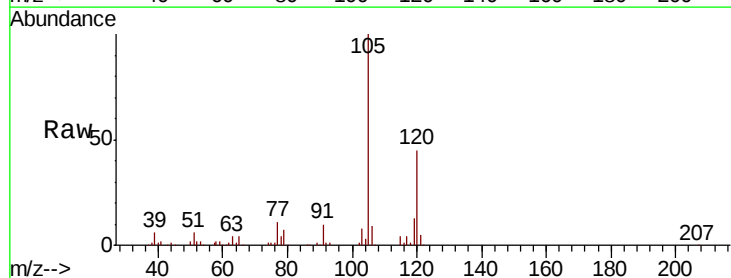
Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

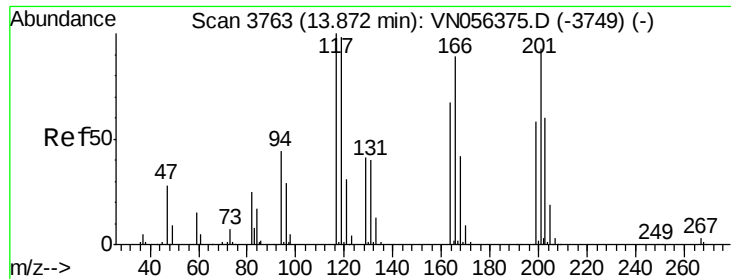
Tot Ion:105 Resp: 135326
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8



#85
sec-Butylbenzene
Concen: 7.330 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.13 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Tgt Ion:105 Resp: 135326
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#90

Hexachloroethane

Concen: 0.386 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

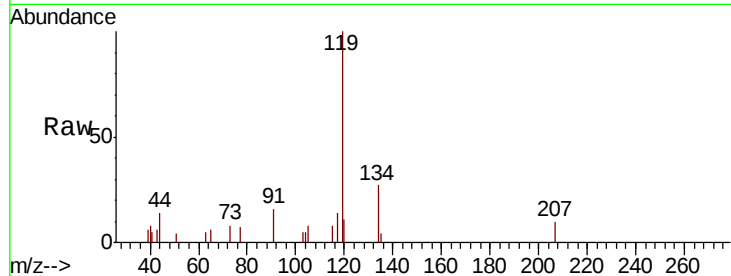
PL-01-070319-A

Tot Ion:117 Resp: 954

Ion Ratio Lower Upper

117 100

201 0.0 45.9 137.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

500

400

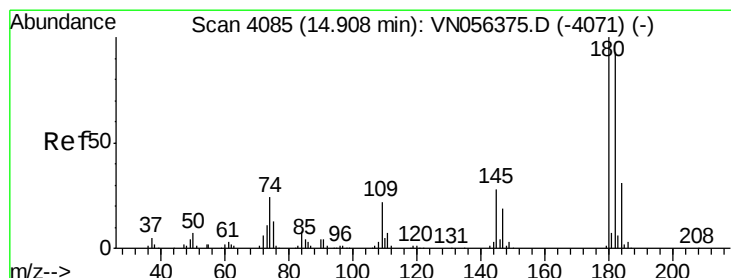
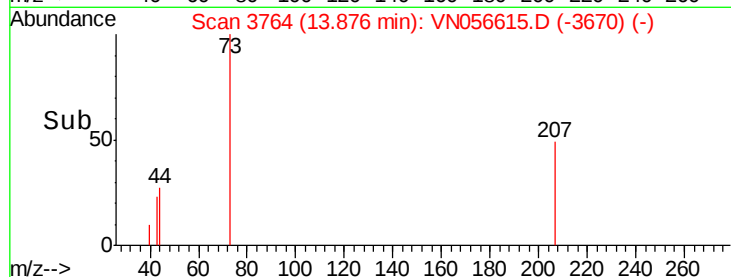
300

200

100

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.635 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN056615.D

Acq: 8 Jul 2019 17:28

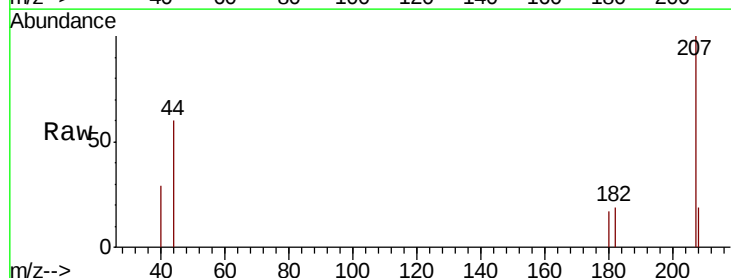
Tgt Ion:180 Resp: 95

Ion Ratio Lower Upper

180 100

182 142.1 46.9 140.6#

145 70.5 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

250

200

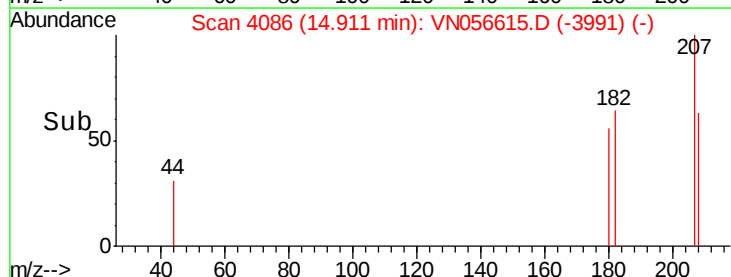
150

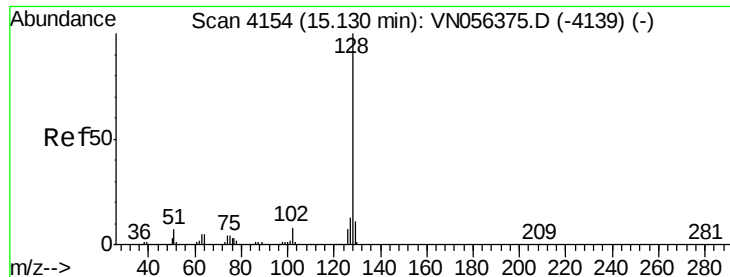
100

50

0

Time-->

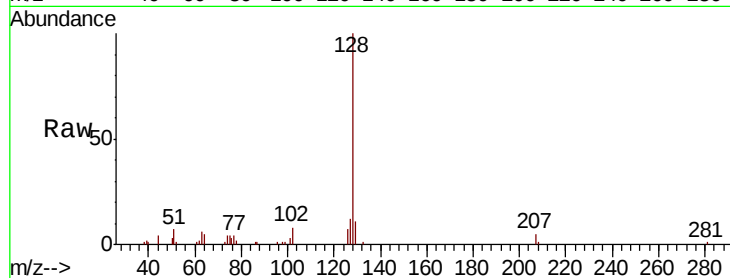




#95
Naphthalene
Concen: 8.353 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056615.D
Acq: 8 Jul 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
PL-01-070319-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.9	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

