

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054129.D
 Acq On : 6 Mar 2019 20:52
 Operator : JC/SP
 Sample : K1754-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PLA-21835

Quant Time: Mar 07 06:42:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	618847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1138890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1140363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	499317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	386508	52.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	357305	48.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.60%	
50) Toluene-d8	10.09	98	1450684	51.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.40	95	542380	59.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1124	Below Cal	#	84
5) Bromomethane	2.57	94	346	Below Cal		100
6) Chloroethane	2.70	64	1012	0.207	ug/l #	43
8) Diethyl Ether	3.41	74	9374	2.390	ug/l #	1
10) Methyl Iodide	3.96	142	29	3.168	ug/l #	43
11) Tert butyl alcohol	4.78	59	52958	117.124	ug/l	99
13) Acrolein	3.61	56	1923	30.958	ug/l #	14
14) Allyl chloride	4.33	41	6086	0.565	ug/l #	30
16) Acetone	3.81	43	116782	51.018	ug/l #	86
17) Carbon Disulfide	4.05	76	5169	Below Cal		99
18) Methyl Acetate	4.32	43	576223	106.778	ug/l	99
20) Methylene Chloride	4.54	84	2425	Below Cal		90
22) Diisopropyl ether	6.03	45	87631	4.178	ug/l #	1
23) Vinyl Acetate	6.03	43	195639	13.130	ug/l #	73
25) 2-Butanone	6.83	43	431721	141.753	ug/l	99
31) Cyclohexane	7.66	56	36155	2.129	ug/l #	61
36) 1,1-Dichloropropene	7.66	75	43526	4.072	ug/l #	49
37) Ethyl Acetate	6.93	43	104315	13.562	ug/l	98
38) Carbon Tetrachloride	7.66	117	55497	5.438	ug/l #	16
39) Methylcyclohexane	9.08	83	17378	1.409	ug/l	95
40) Benzene	8.04	78	1855206	58.660	ug/l	100
42) 1,2-Dichloroethane	8.04	62	14553	1.453	ug/l	84
43) Isopropyl Acetate	8.31	43	323866	26.141	ug/l #	54
48) Methyl methacrylate	9.17	41	33834	5.752	ug/l #	35
49) 1,4-Dioxane	9.20	88	2723	32.202	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	3790	0.555	ug/l #	87
52) Toluene	10.16	92	860554	45.928	ug/l	99
59) 2-Hexanone	10.76	43	6736	1.496	ug/l	76
67) Ethyl Benzene	11.51	91	142079	3.578	ug/l	99
68) m/p-Xylenes	11.62	106	283749	18.934	ug/l	100
69) o-Xylene	11.95	106	91824	6.367	ug/l	96
70) Styrene	11.96	104	45613	1.993	ug/l #	72
73) Isopropylbenzene	12.25	105	14187	0.357	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.36	83	96359	9.968	ug/l #	33

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

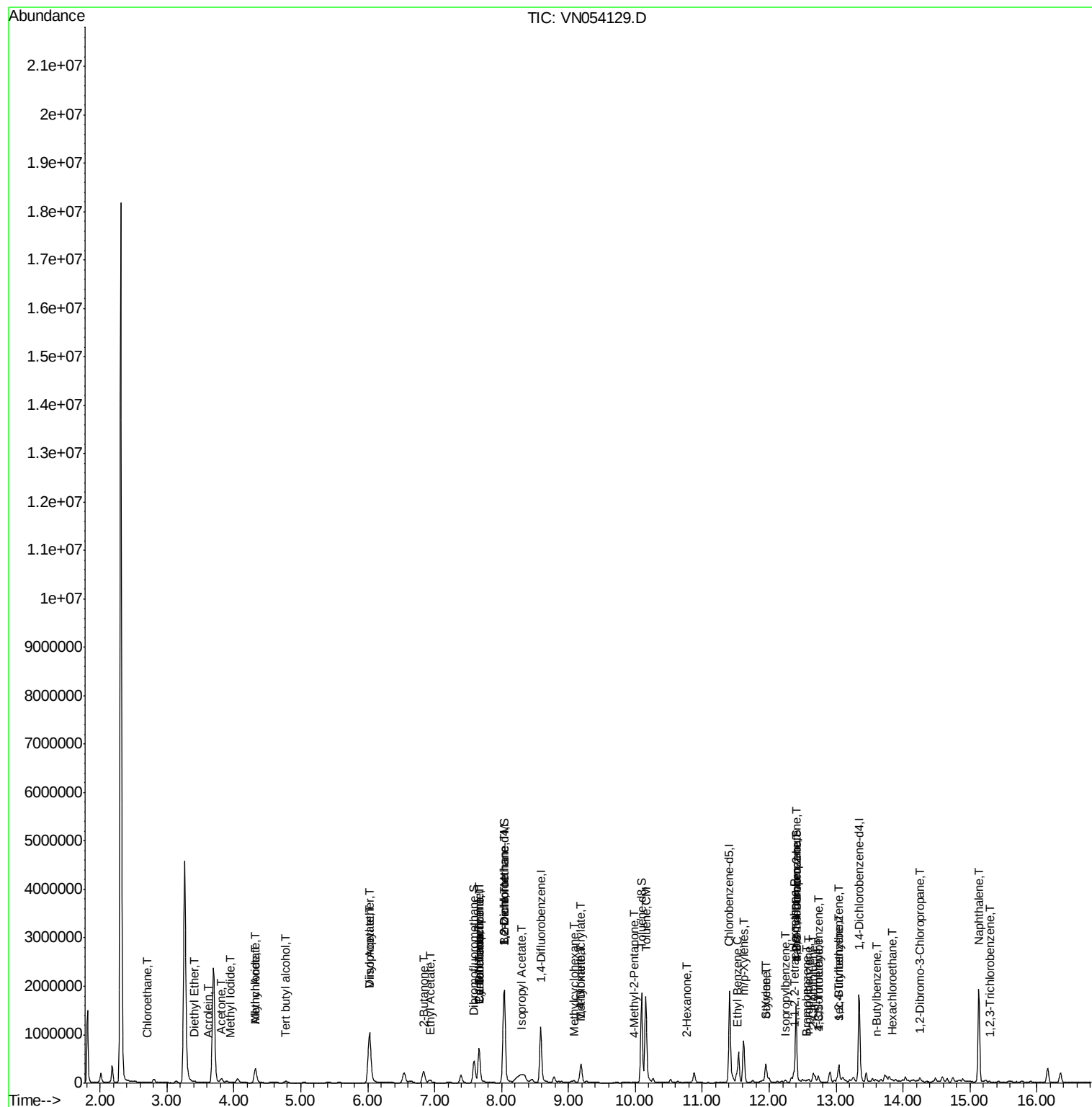
76) 1,2,3-Trichloropropane	12.40	75	267123	31.391	ug/l #	100
77) Bromobenzene	12.55	156	41444	3.711	ug/l #	1
78) n-propylbenzene	12.59	91	33186	0.742	ug/l	99
79) 2-Chlorotoluene	12.66	91	13117	0.483	ug/l #	44
80) 1,3,5-Trimethylbenzene	12.73	105	64369	1.993	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	267123	107.803	ug/l #	11
82) 4-Chlorotoluene	12.73	91	5543	0.205	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.04	105	205154	6.400	ug/l	98
85) sec-Butylbenzene	13.04	105	205154	5.286	ug/l #	57
89) n-Butylbenzene	13.61	91	9949	0.361	ug/l #	62
90) Hexachloroethane	13.85	117	4680	0.748	ug/l #	5
91) 1,2-Dichlorobenzene	13.66	146	484	Below Cal	#	19
92) 1,2-Dibromo-3-Chloropropan	14.25	75	571	0.394	ug/l #	1
95) Naphthalene	15.13	128	1704326	86.988	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	328	2.458	ug/l #	1

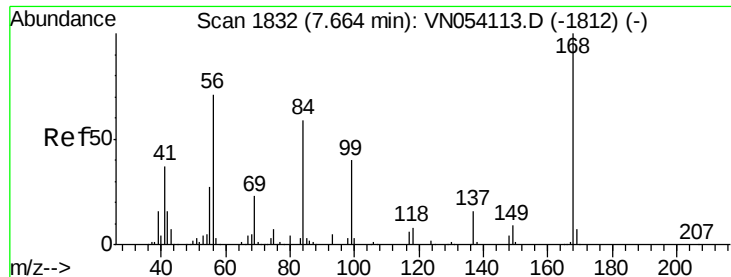
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

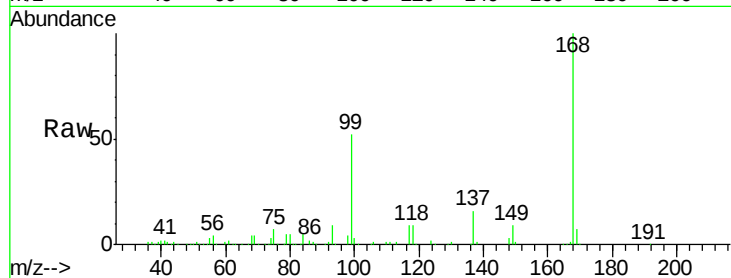
PLA-21835

Tgt Ion:168 Resp: 618847

Ion Ratio Lower Upper

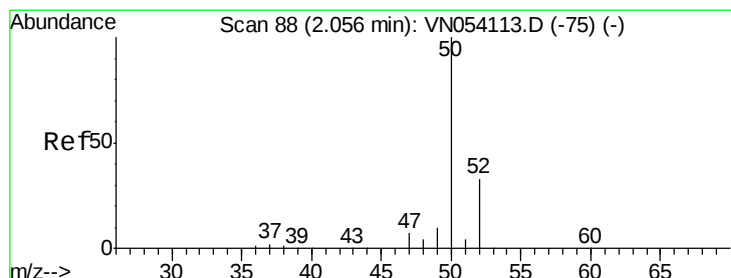
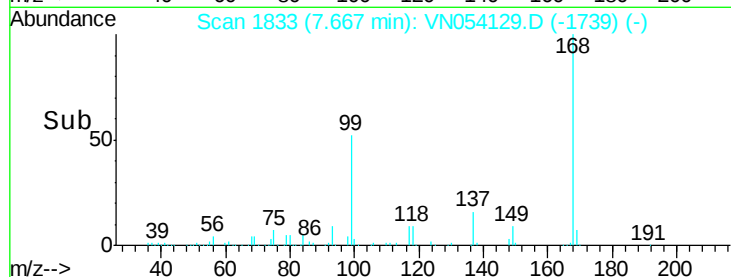
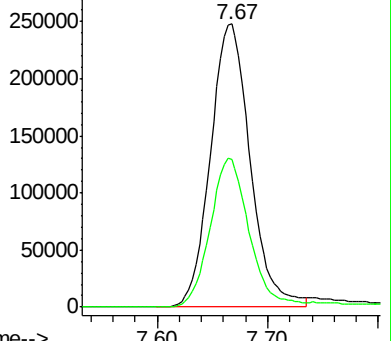
168 100

99 52.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN054129.D

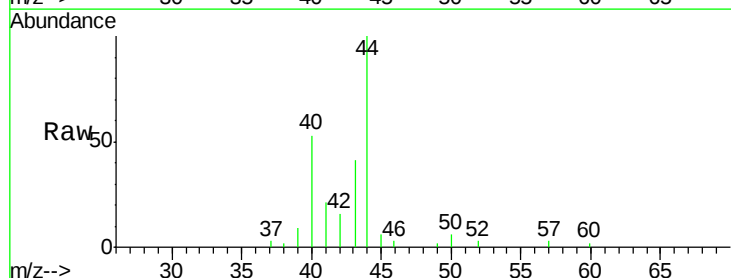
Acq: 6 Mar 2019 20:52

Tgt Ion: 50 Resp: 1124

Ion Ratio Lower Upper

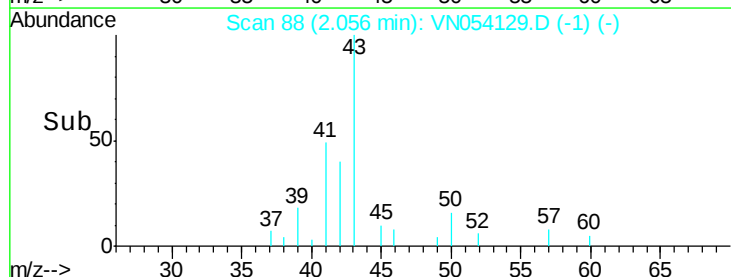
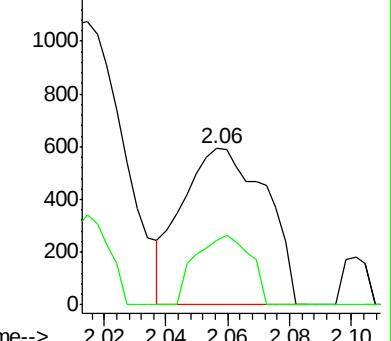
50 100

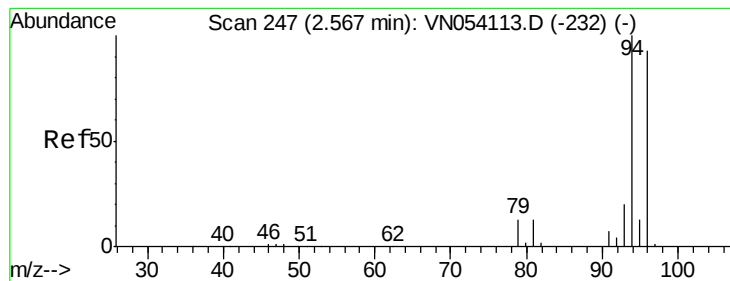
52 41.7 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

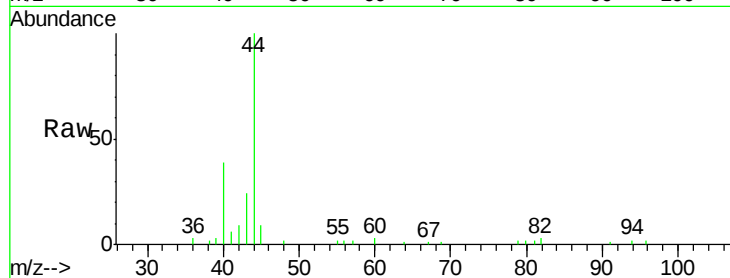
PLA-21835

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

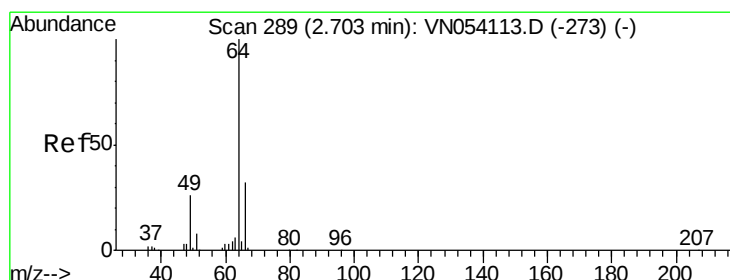
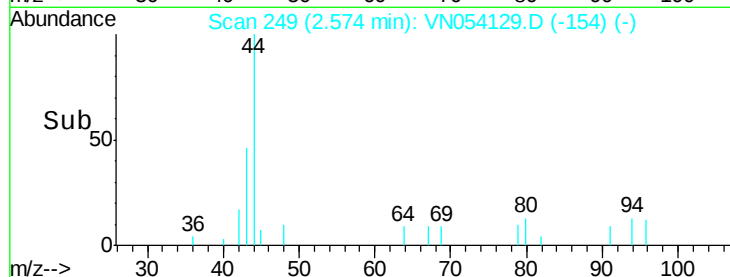
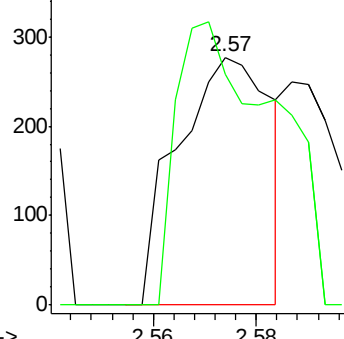
94 100

96 93.1 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.207 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN054129.D

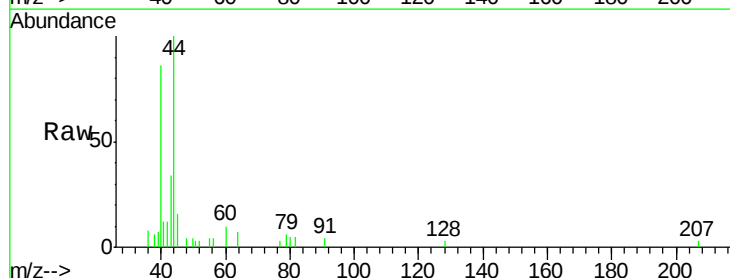
Acq: 6 Mar 2019 20:52

Tgt Ion: 64 Resp: 1012

Ion Ratio Lower Upper

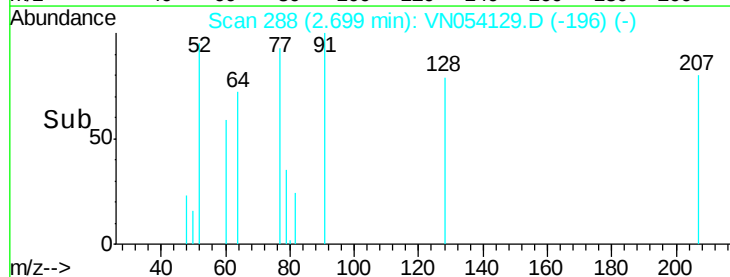
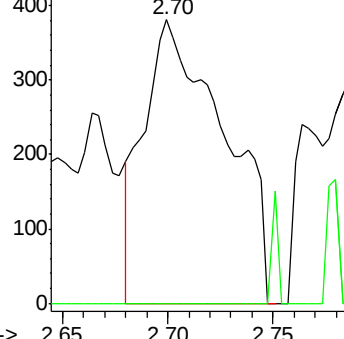
64 100

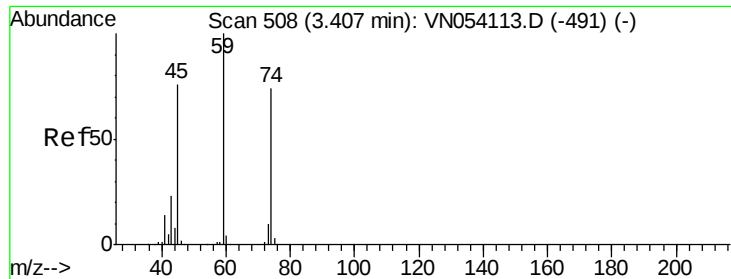
66 0.0 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#8

Diethyl Ether

Concen: 2.390 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

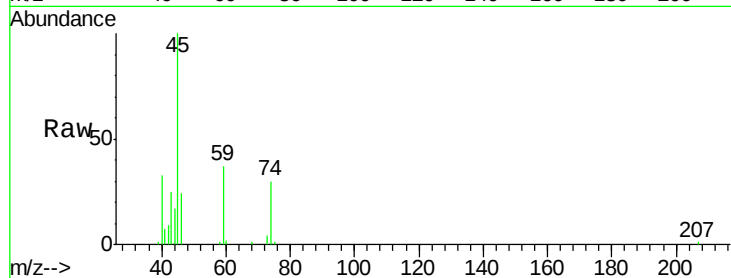
PLA-21835

Tgt Ion: 74 Resp: 9374

Ion Ratio Lower Upper

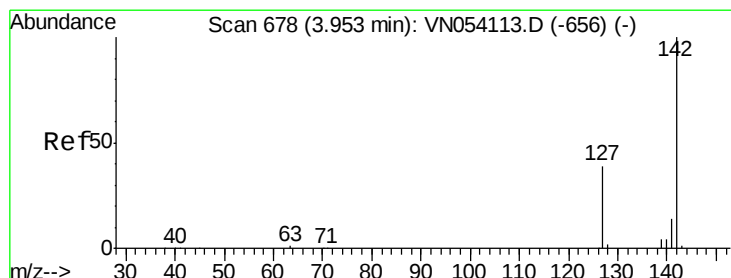
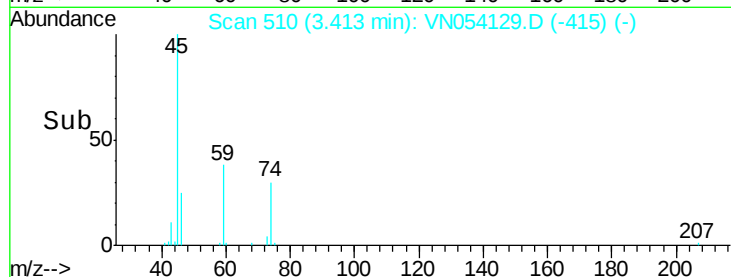
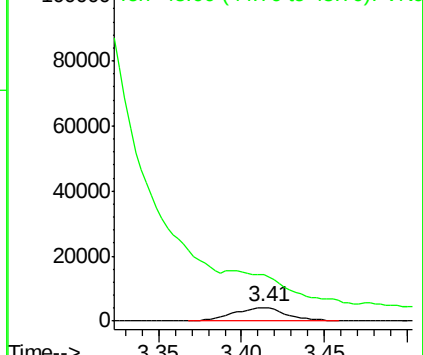
74 100

45 0.0 51.7 155.2#



Abundance Ion 74.00 (73.70 to 74.70): VN054129.D (-510) (-)

Ion 45.00 (44.70 to 45.70): VN054129.D (-415) (-)



#10

Methyl Iodide

Concen: 3.168 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

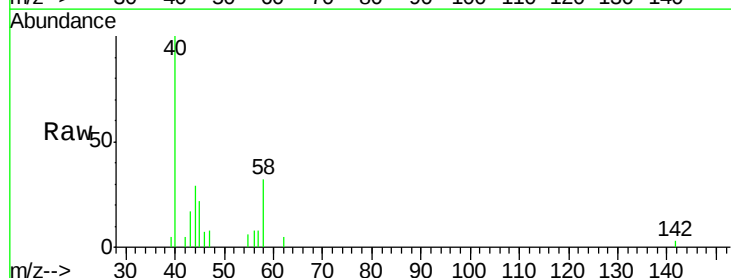
Tgt Ion: 142 Resp: 29

Ion Ratio Lower Upper

142 100

127 0.0 31.9 47.9#

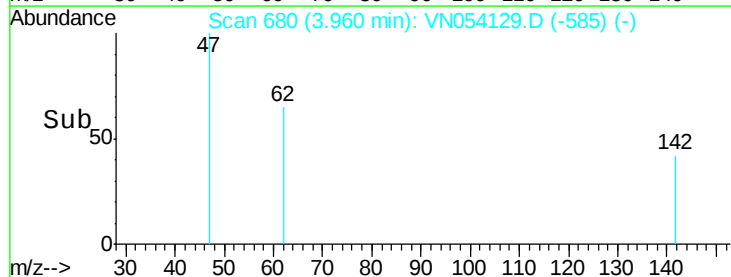
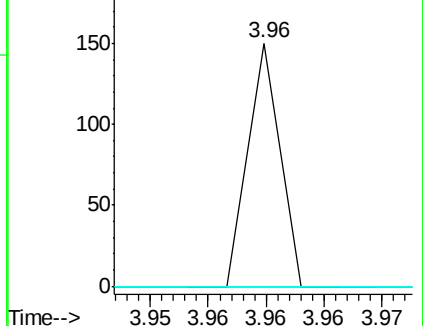
141 0.0 11.4 17.0#

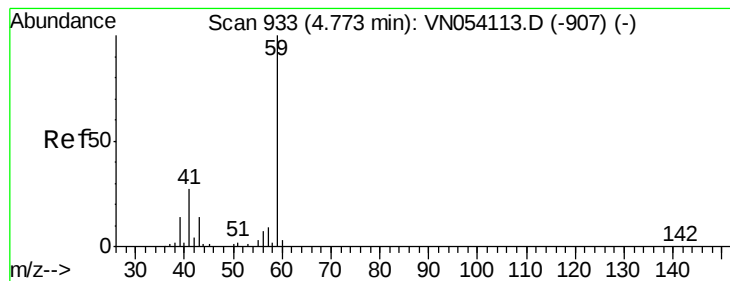


Abundance Ion 141.80 (141.50 to 142.50): VN054129.D (-585) (-)

Ion 126.80 (126.50 to 127.50): VN054129.D (-585) (-)

Ion 140.80 (140.50 to 141.50): VN054129.D (-585) (-)



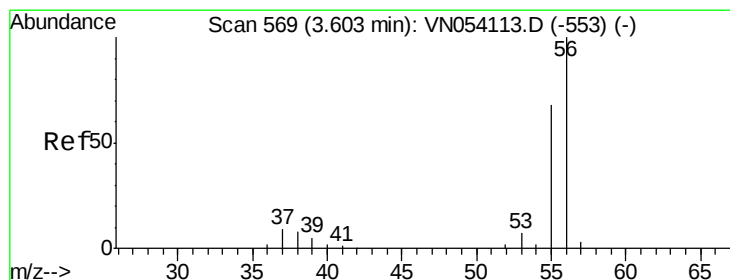
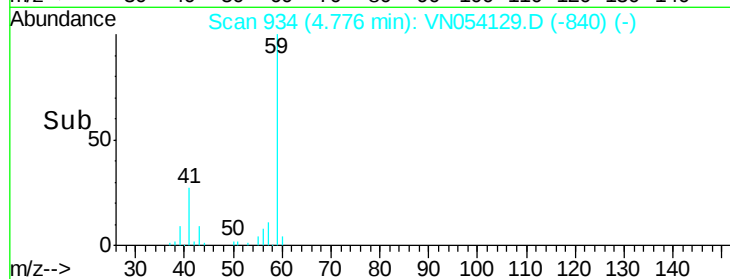
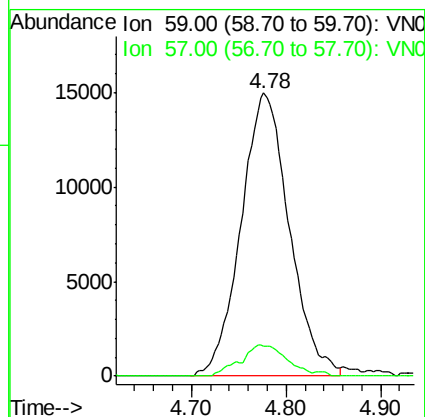
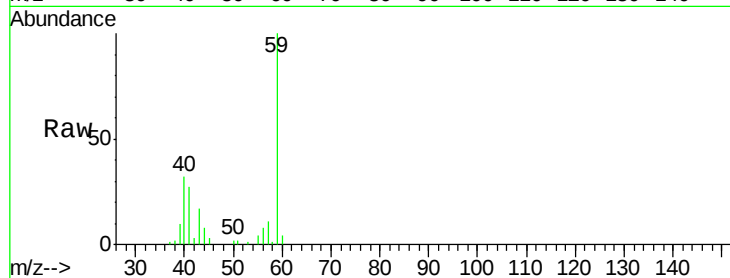


#11

Tert butyl alcohol
 Concen: 117.124 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Instrument :
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 ClientSampled :
 PLA-21835

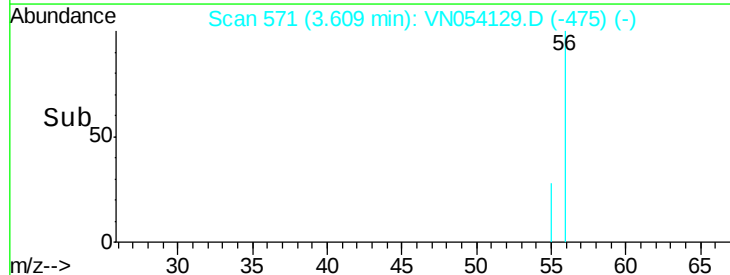
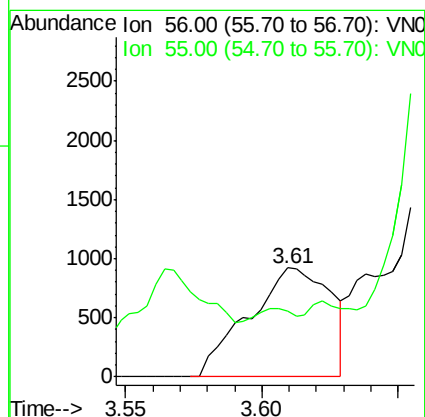
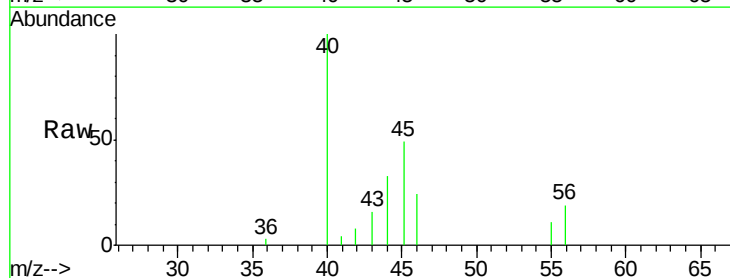
Tgt Ion: 59 Resp: 52958
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.4

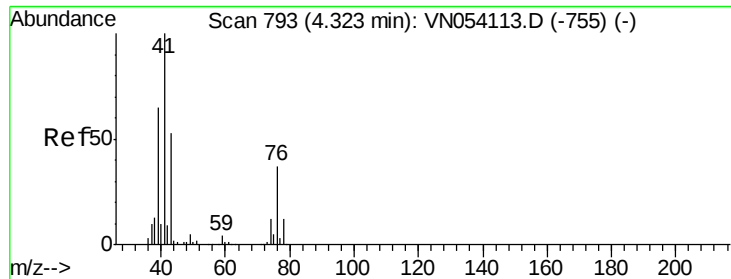


#13

Acrolein
 Concen: 30.958 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion: 56 Resp: 1923
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.1 85.7#

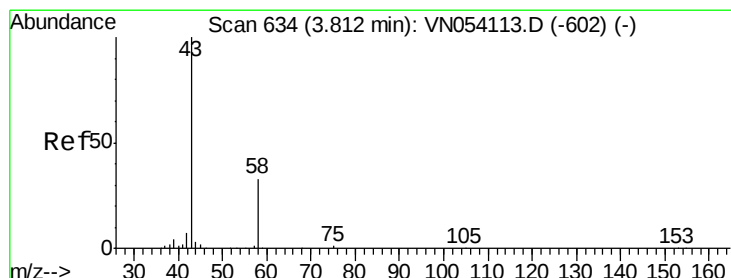
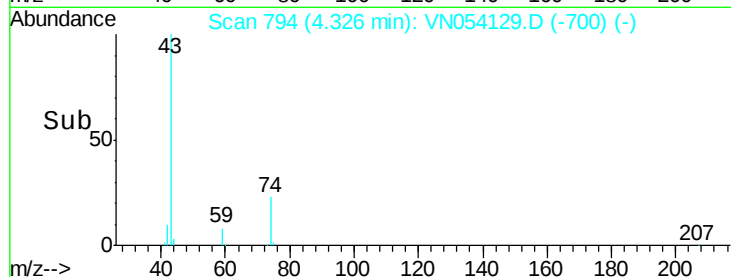
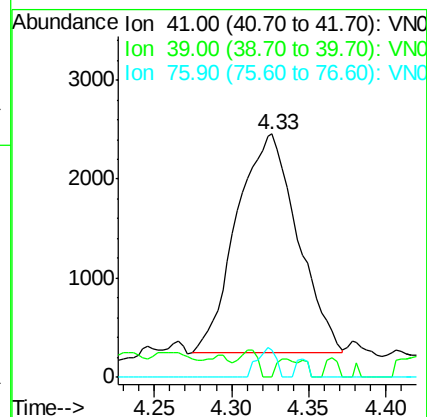
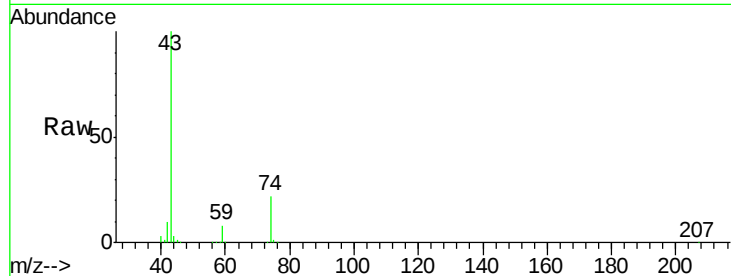




#14
 Allyl chloride
 Concen: 0.565 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

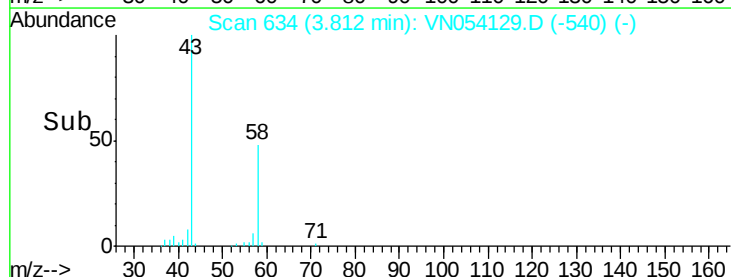
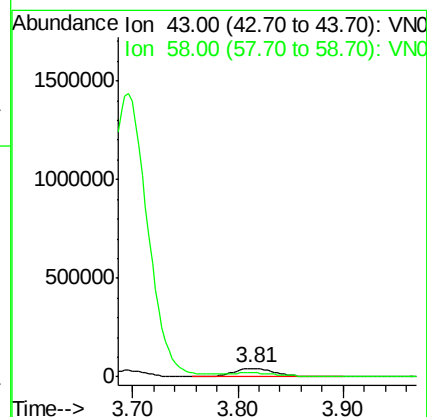
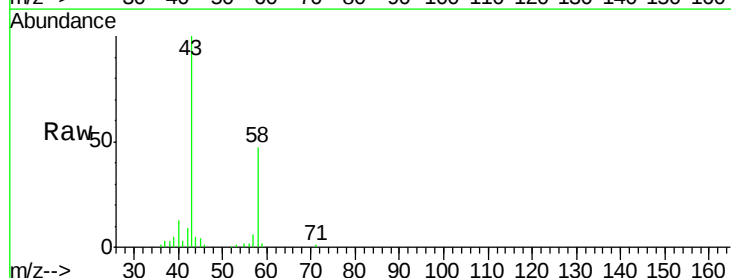
Instrument :
 MSVOA_N
 ClientSampleId :
 PLA-21835

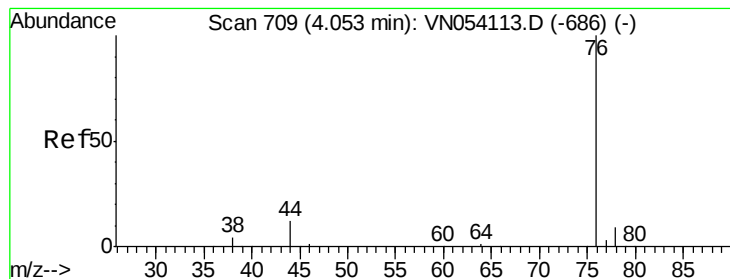
Tgt Ion: 41 Resp: 6086
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.3 73.9#
 76 4.2 26.5 39.7#



#16
 Acetone
 Concen: 51.018 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion: 43 Resp: 116782
 Ion Ratio Lower Upper
 43 100
 58 40.9 26.5 39.7#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

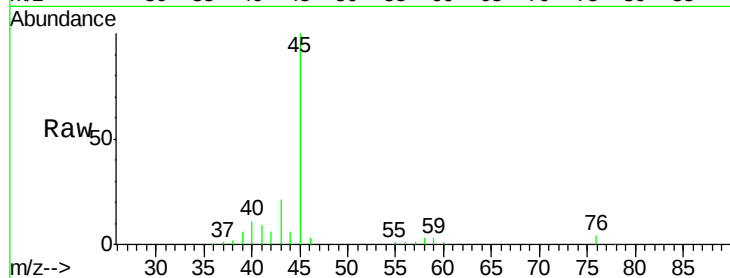
PLA-21835

Tgt Ion: 76 Resp: 5169

Ion Ratio Lower Upper

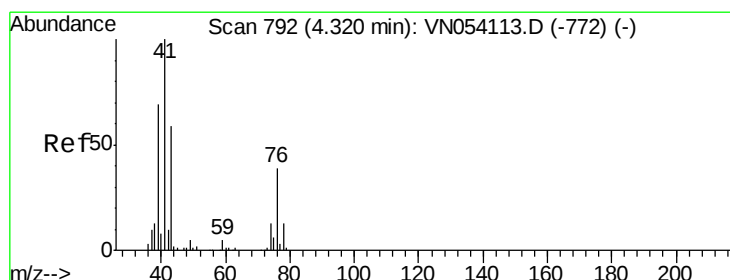
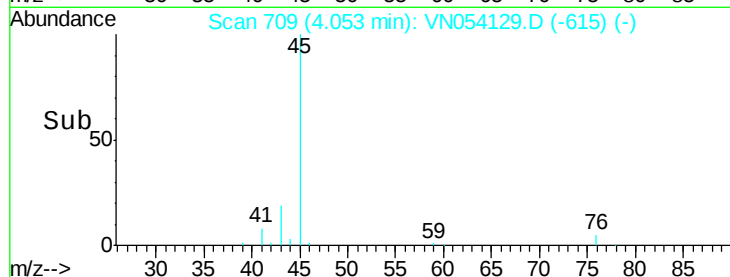
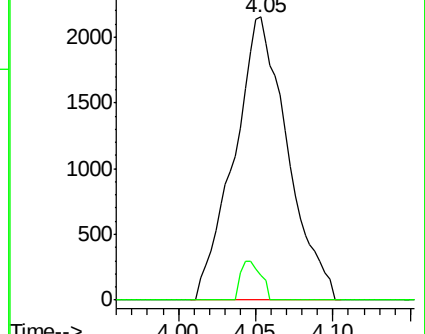
76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 106.778 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054129.D

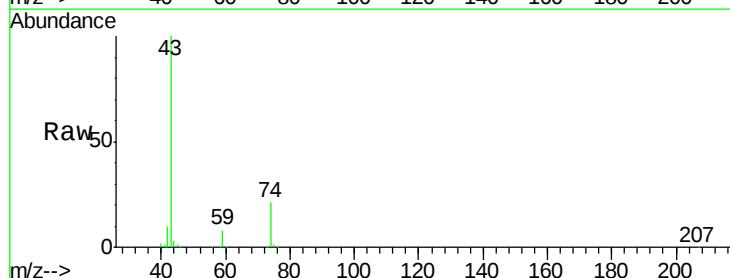
Acq: 6 Mar 2019 20:52

Tgt Ion: 43 Resp: 576223

Ion Ratio Lower Upper

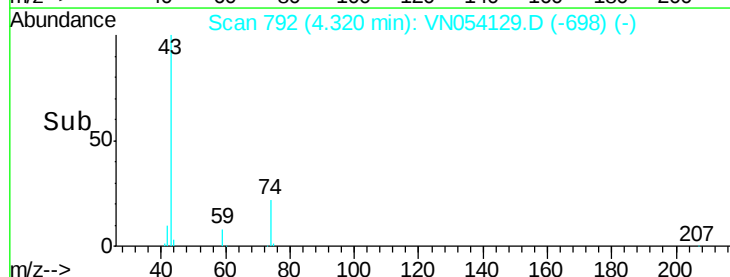
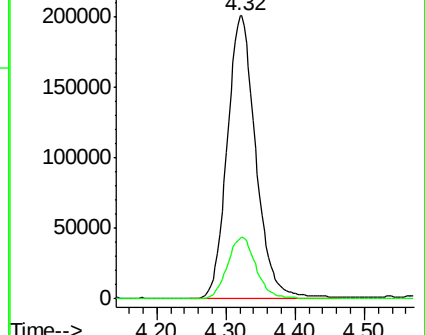
43 100

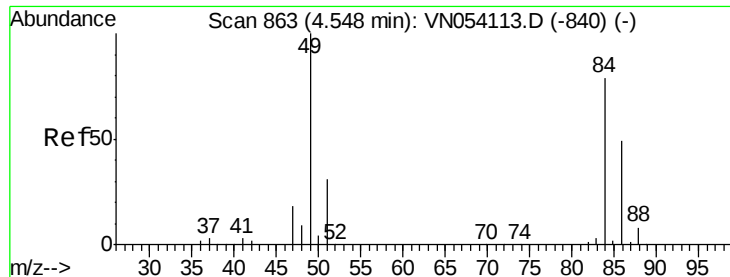
74 22.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

PLA-21835

Tgt Ion: 84 Resp: 2425

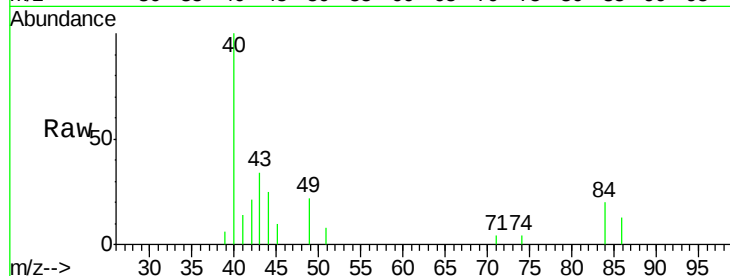
Ion Ratio Lower Upper

84 100

49 108.7 101.8 152.8

51 38.6 31.1 46.7

86 65.9 49.7 74.5

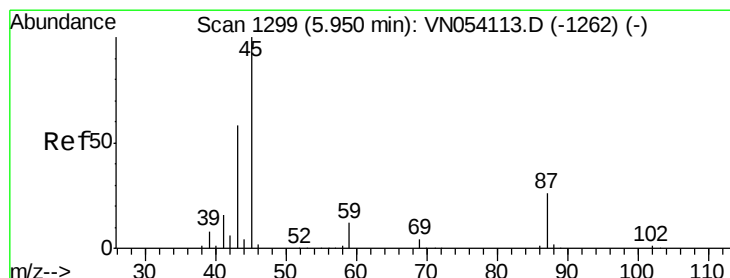
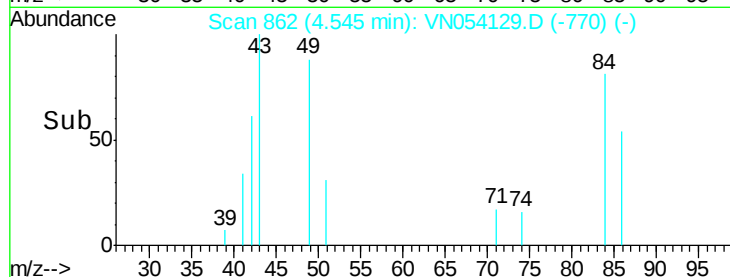
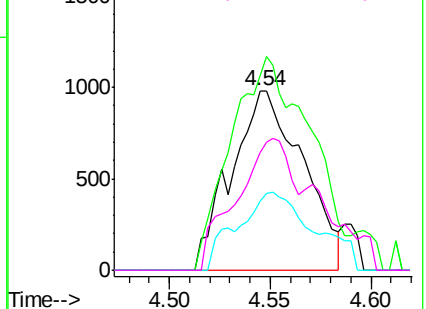


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#22

Diisopropyl ether

Concen: 4.178 ug/l

RT: 6.03 min Scan# 1323

Delta R.T. 0.08 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Tgt Ion: 45 Resp: 87631

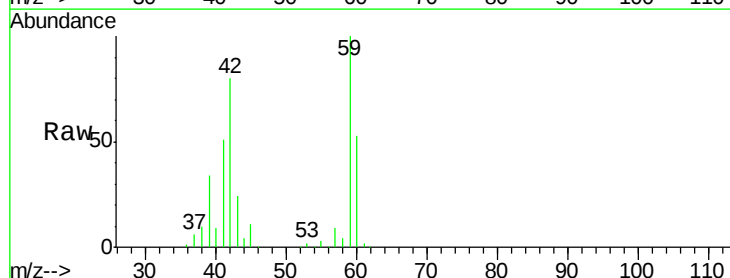
Ion Ratio Lower Upper

45 100

43 216.1 46.2 69.4#

87 0.0 20.6 31.0#

59 915.8 9.4 14.0#

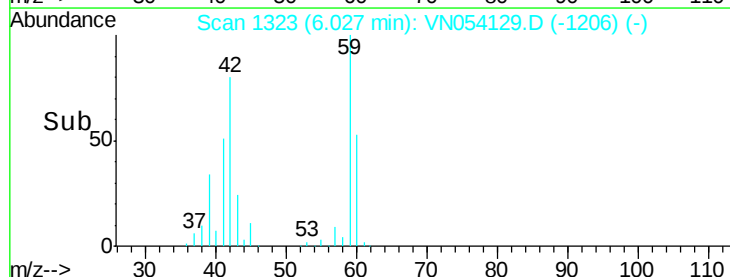
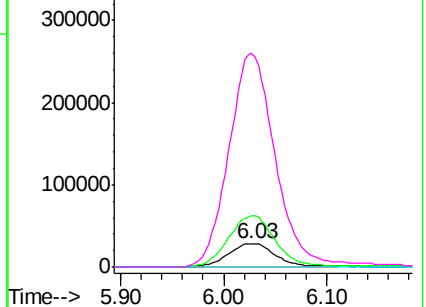


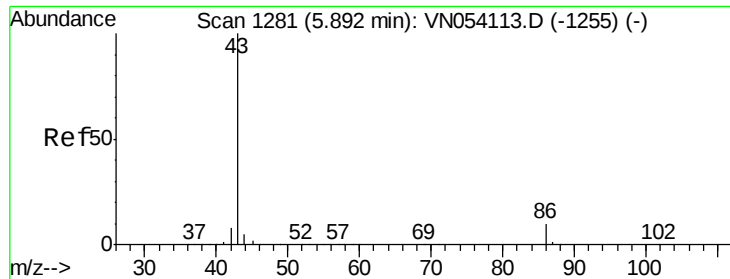
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC

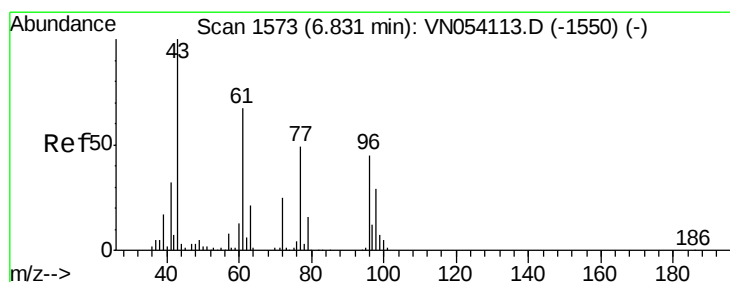
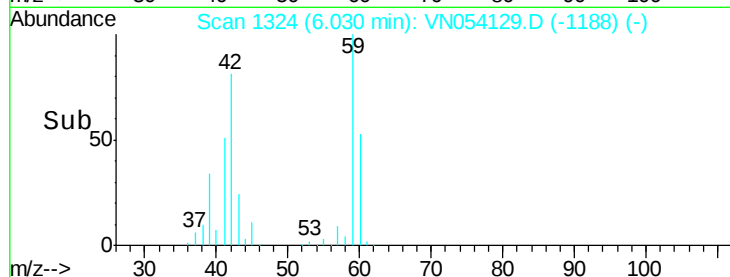
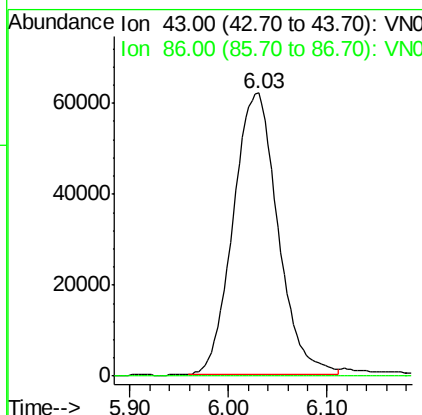
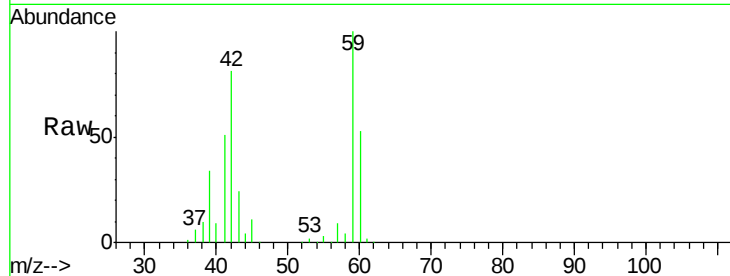




#23
 Vinyl Acetate
 Concen: 13.130 ug/l
 RT: 6.03 min Scan# 1324
 Delta R.T. 0.14 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

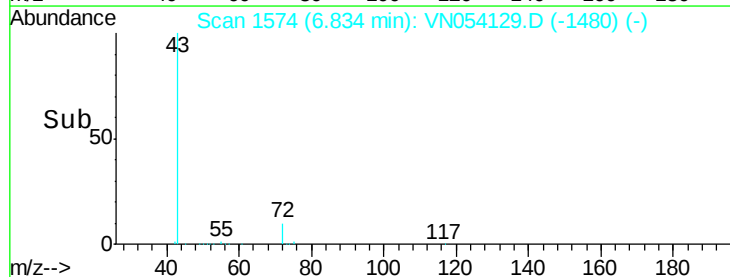
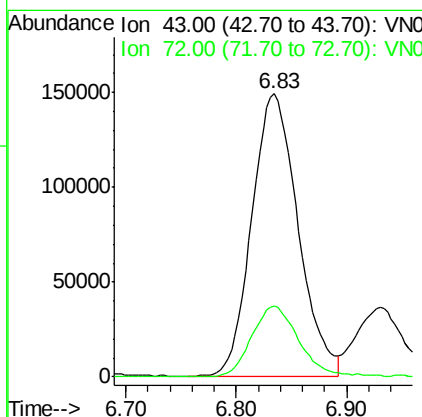
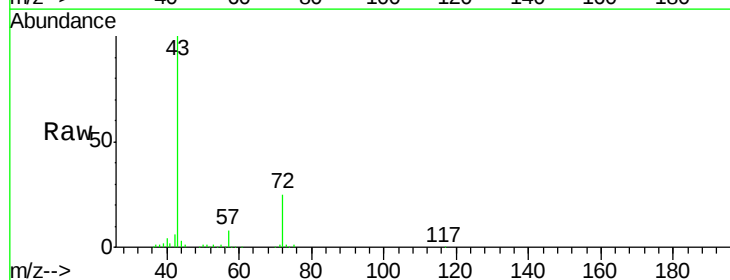
Instrument :
 MSVOA_N
 ClientSampled :
 PLA-21835

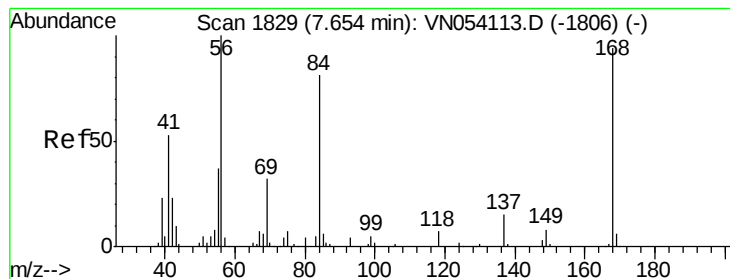
Tgt Ion: 43 Resp: 195639
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 141.753 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion: 43 Resp: 431721
 Ion Ratio Lower Upper
 43 100
 72 24.9 20.2 30.2





#31

Cyclohexane

Concen: 2.129 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

PLA-21835

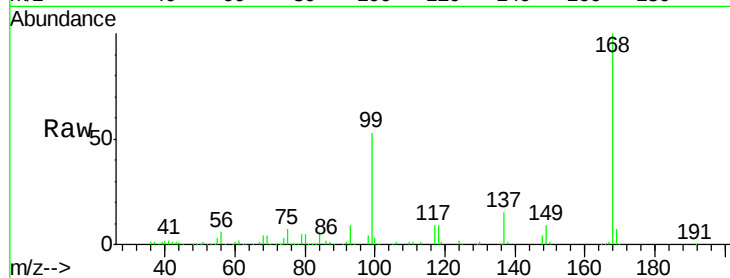
Tgt Ion: 56 Resp: 36155

Ion Ratio Lower Upper

56 100

69 76.5 25.5 38.3#

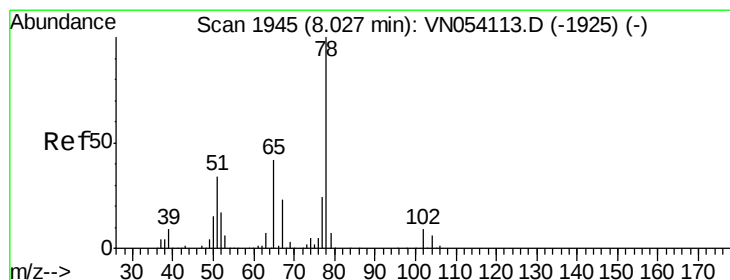
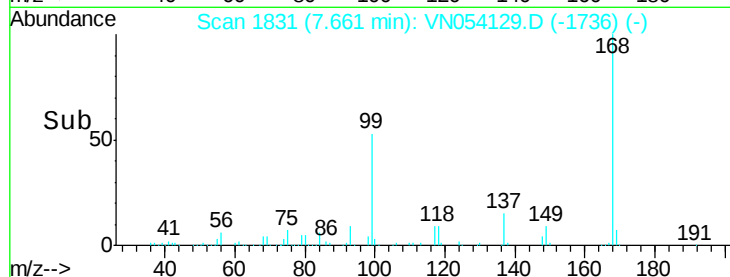
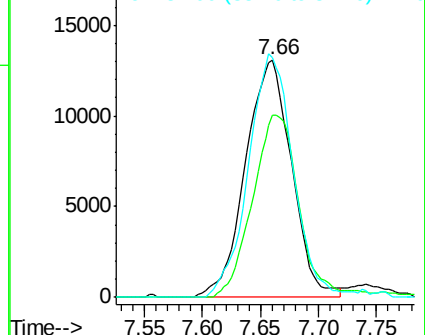
84 101.0 64.5 96.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.005 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054129.D

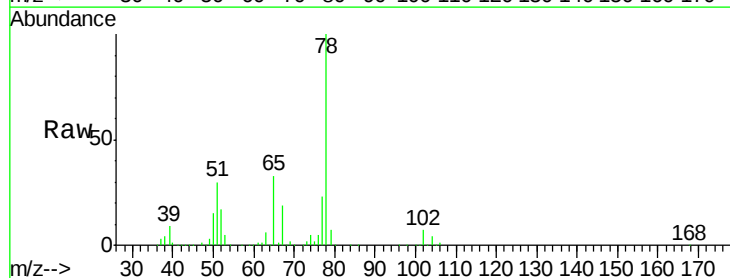
Acq: 6 Mar 2019 20:52

Tgt Ion: 65 Resp: 386508

Ion Ratio Lower Upper

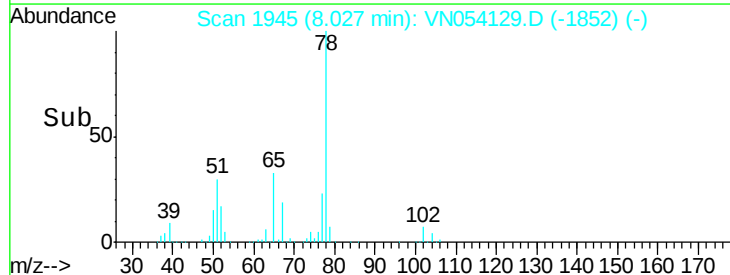
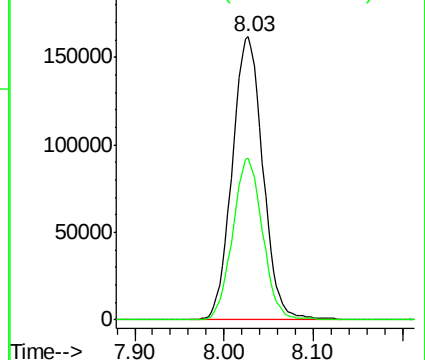
65 100

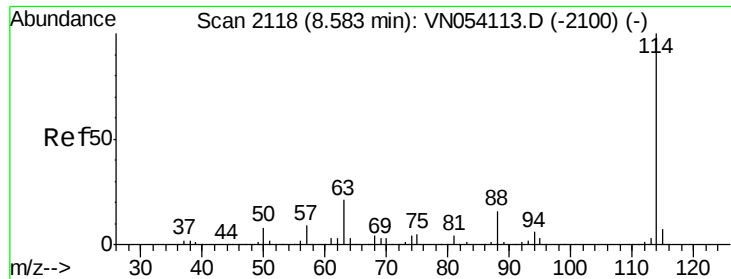
67 55.5 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

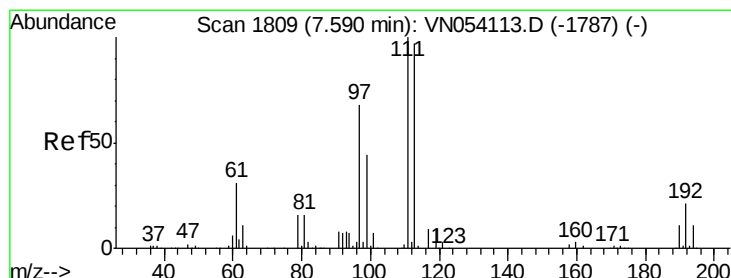
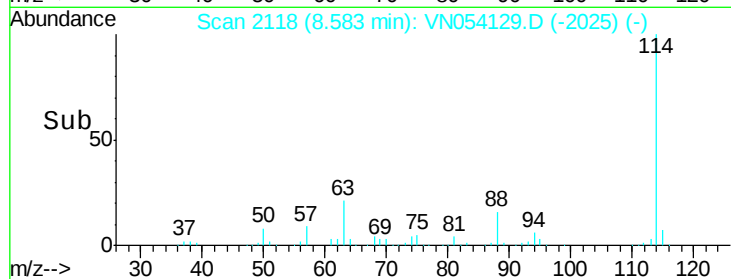
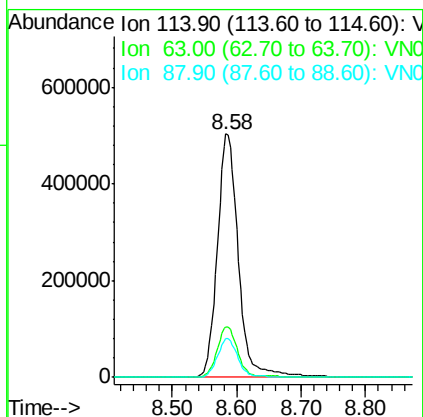
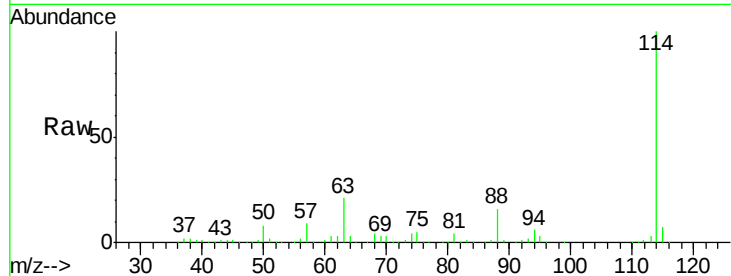




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

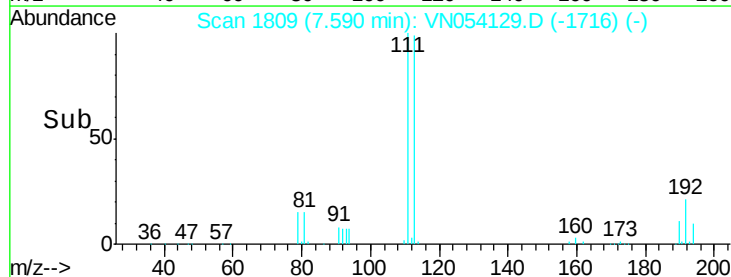
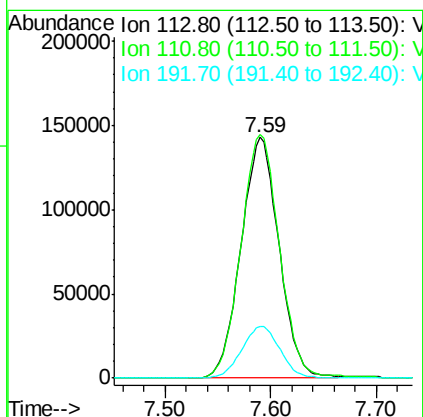
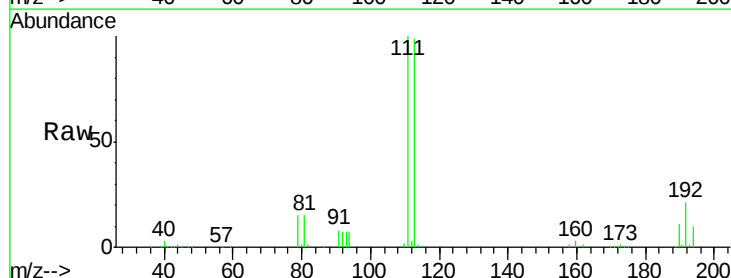
Instrument :
 MSVOA_N
 ClientSampleId :
 PLA-21835

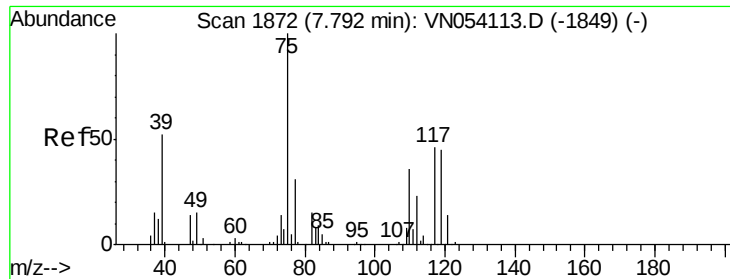
Tgt Ion:114 Resp: 1138890
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 16.0 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 48.305 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion:113 Resp: 357305
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.1 123.1
 192 21.7 17.4 26.0





#36

1,1-Dichloropropene

Concen: 4.072 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

PLA-21835

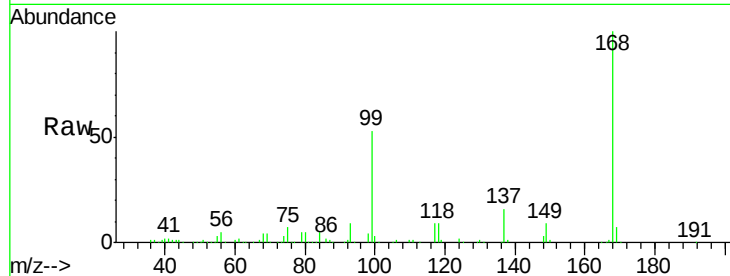
Tgt Ion: 75 Resp: 43526

Ion Ratio Lower Upper

75 100

110 8.8 18.0 54.0#

77 0.0 25.3 37.9#

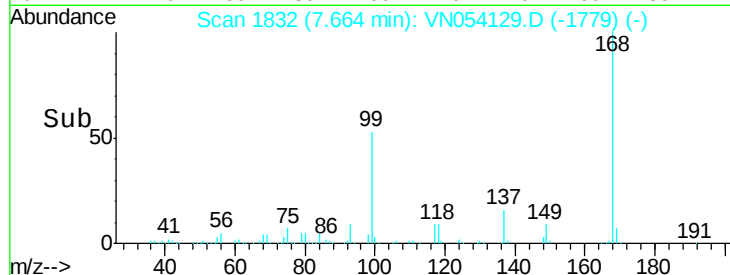


Abundance Ion 74.90 (74.60 to 75.60): VN054129.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN054129.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN054129.D (-1779) (-)

Time-->



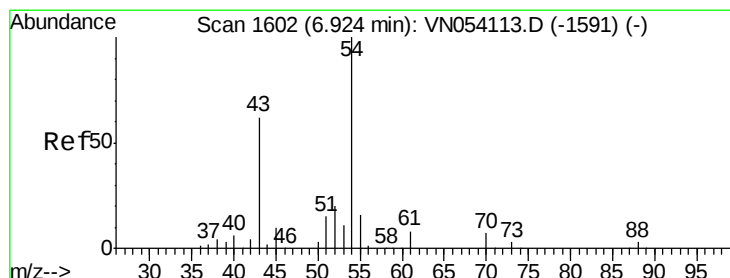
Abundance

Ion 74.90 (74.60 to 75.60): VN054129.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN054129.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN054129.D (-1779) (-)

Time-->



#37

Ethyl Acetate

Concen: 13.562 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

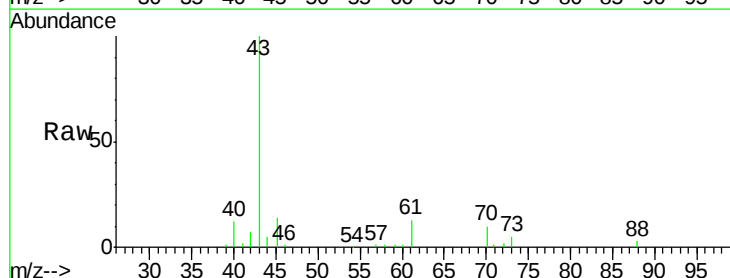
Tgt Ion: 43 Resp: 104315

Ion Ratio Lower Upper

43 100

61 13.4 11.1 16.7

70 10.3 7.6 11.4

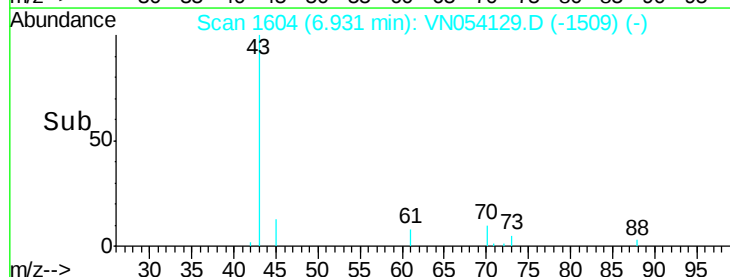


Abundance Ion 43.00 (42.70 to 43.70): VN054129.D (-1509) (-)

Ion 60.90 (60.60 to 61.60): VN054129.D (-1509) (-)

Ion 70.00 (69.70 to 70.70): VN054129.D (-1509) (-)

Time-->



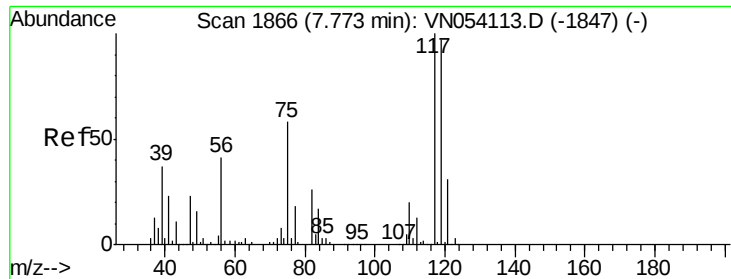
Abundance

Ion 43.00 (42.70 to 43.70): VN054129.D (-1509) (-)

Ion 60.90 (60.60 to 61.60): VN054129.D (-1509) (-)

Ion 70.00 (69.70 to 70.70): VN054129.D (-1509) (-)

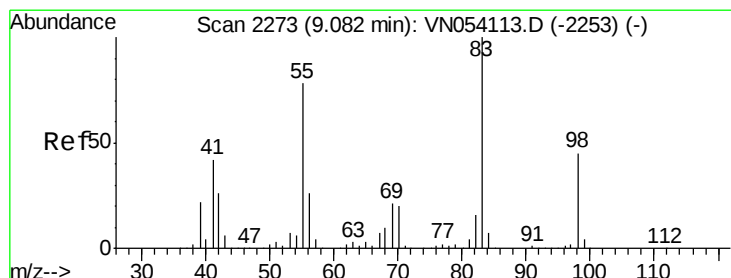
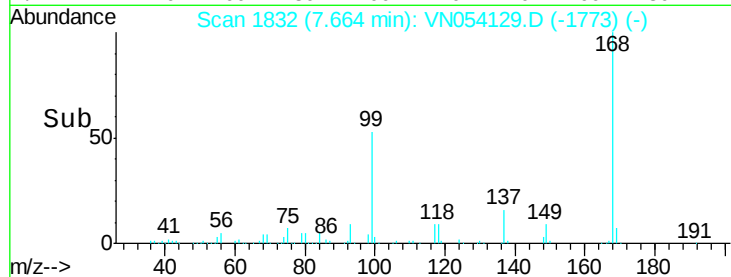
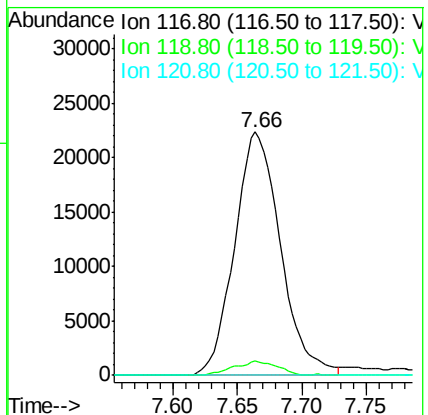
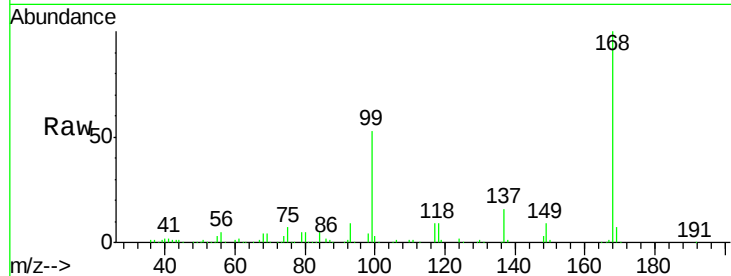
Time-->



#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

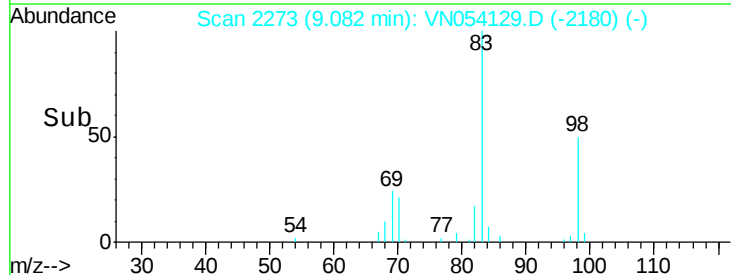
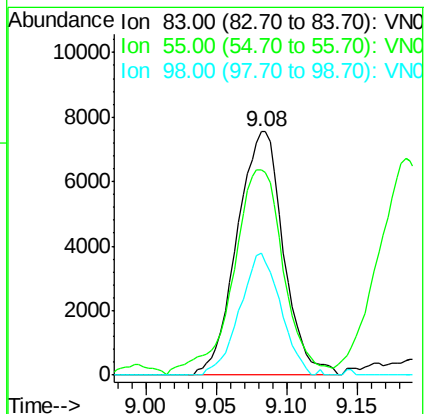
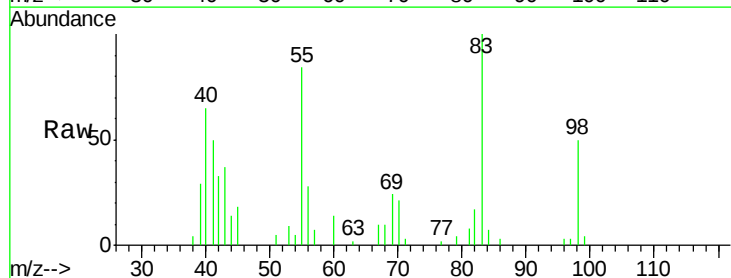
Instrument :
MSVOA_N
ClientSampleId :
PLA-21835

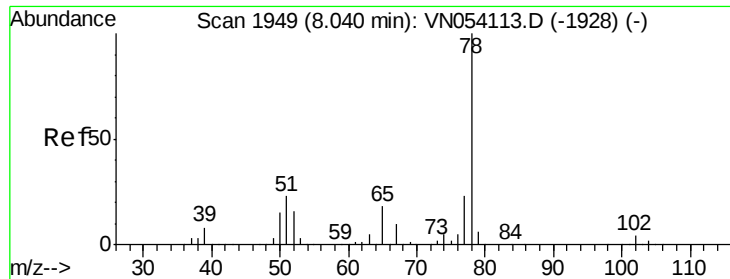
Tgt Ion:117 Resp: 55497
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.6#
121 0.0 24.3 36.5#



#39
Methylcyclohexane
Concen: 1.409 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

Tgt Ion: 83 Resp: 17378
Ion Ratio Lower Upper
83 100
55 80.0 62.1 93.1
98 50.1 36.0 54.0





#40

Benzene

Concen: 58.660 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

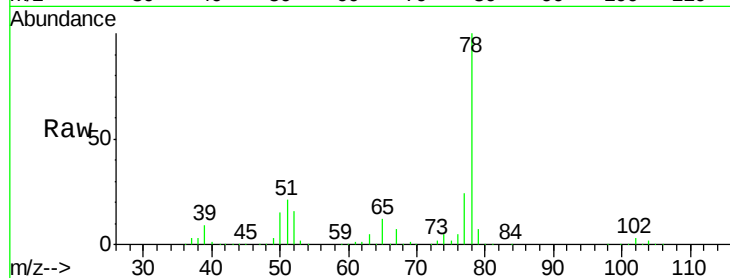
PLA-21835

Tgt Ion: 78 Resp: 1855206

Ion Ratio Lower Upper

78 100

77 23.6 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

800000

600000

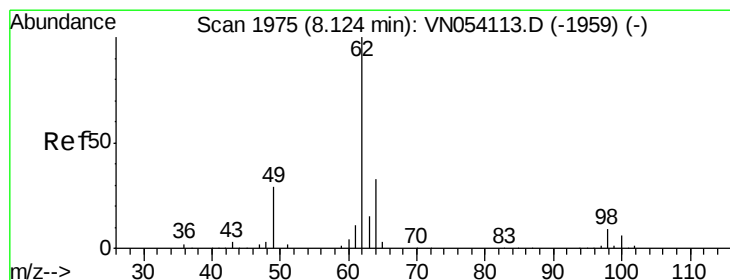
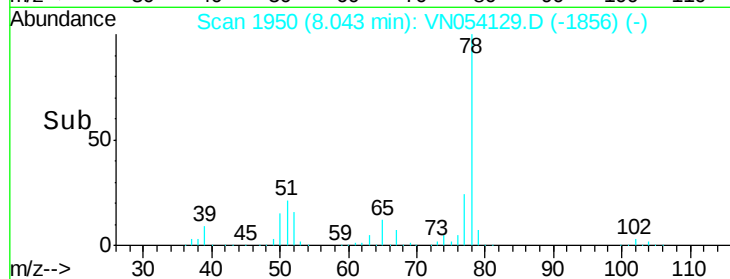
400000

200000

0

8.00 8.20

Time-->



#42

1,2-Dichloroethane

Concen: 1.453 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.08 min

Lab File: VN054129.D

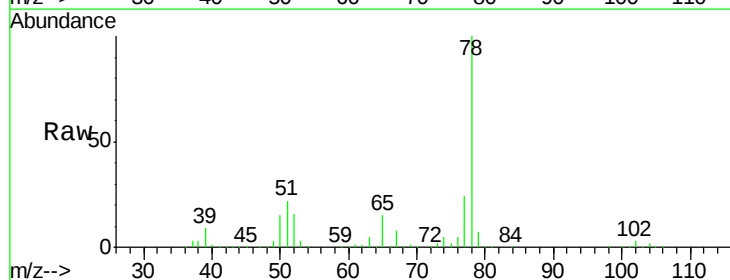
Acq: 6 Mar 2019 20:52

Tgt Ion: 62 Resp: 14553

Ion Ratio Lower Upper

62 100

98 3.6 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.04

6000

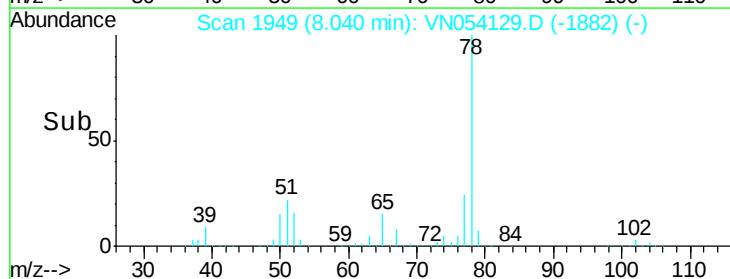
4000

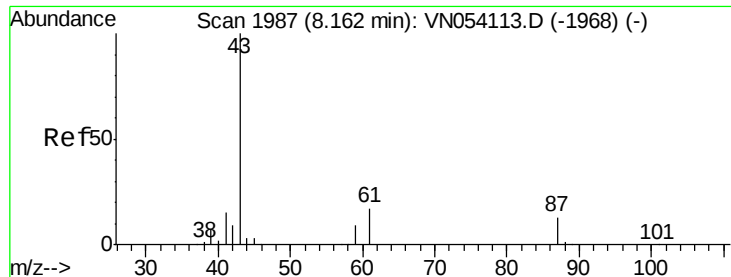
2000

0

7.95 8.00 8.05 8.10

Time-->





#43

Isopropyl Acetate

Concen: 26.141 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

PLA-21835

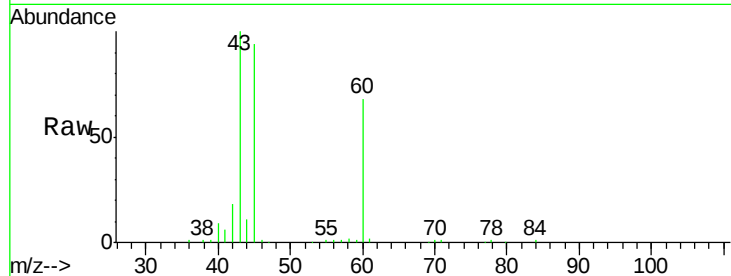
Tgt Ion: 43 Resp: 323866

Ion Ratio Lower Upper

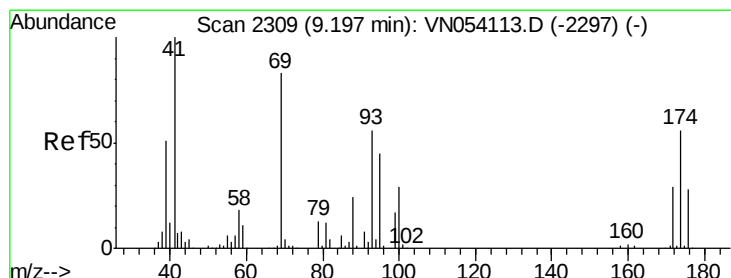
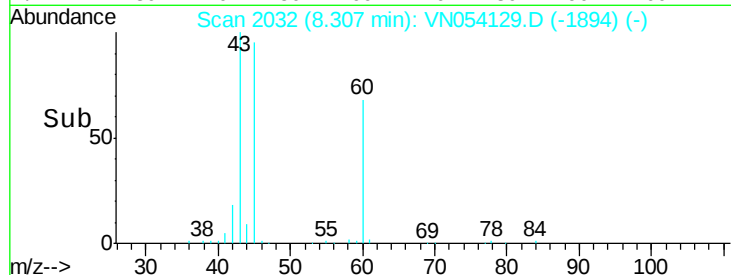
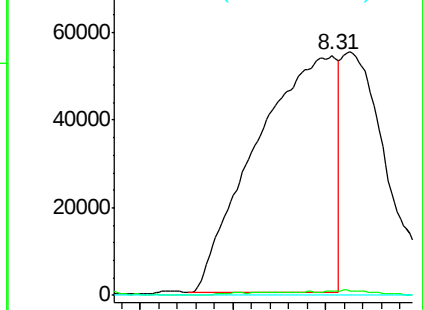
43 100

61 0.5 22.5 33.7#

87 0.0 10.1 15.1#



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



#48

Methyl methacrylate

Concen: 5.752 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.03 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

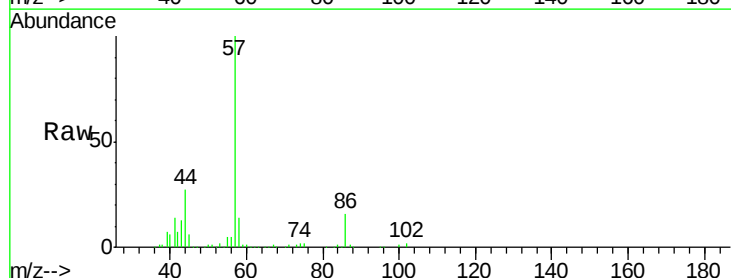
Tgt Ion: 41 Resp: 33834

Ion Ratio Lower Upper

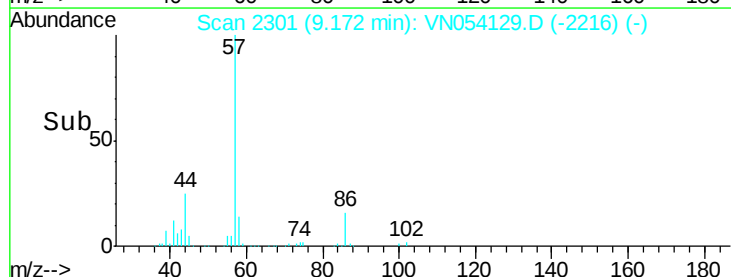
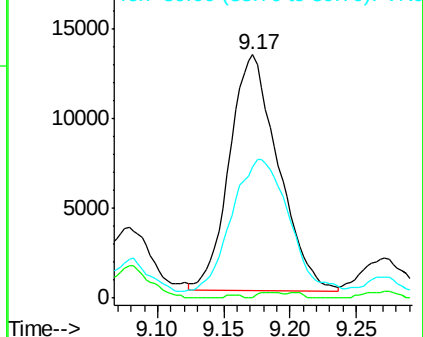
41 100

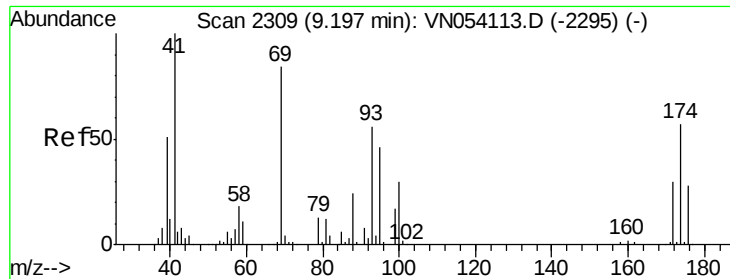
69 0.6 71.0 106.4#

39 67.0 43.7 65.5#



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

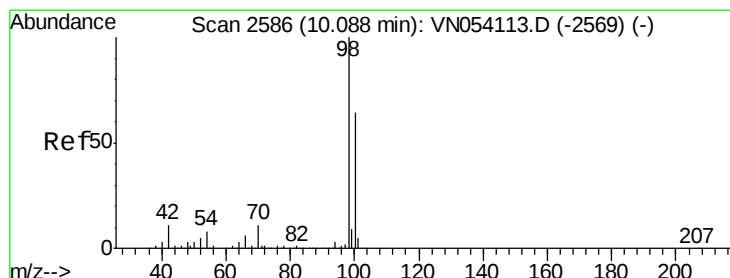
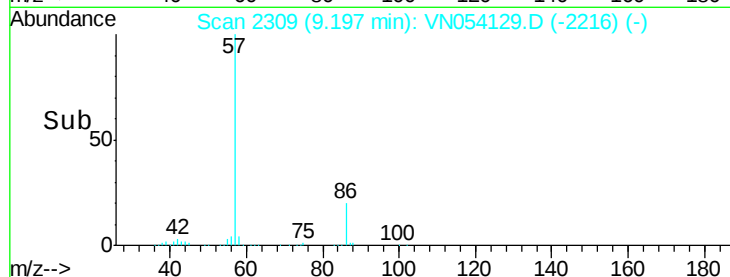
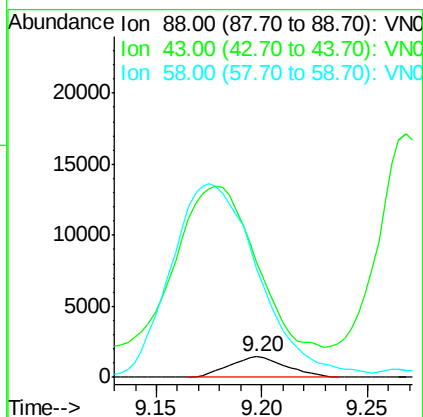
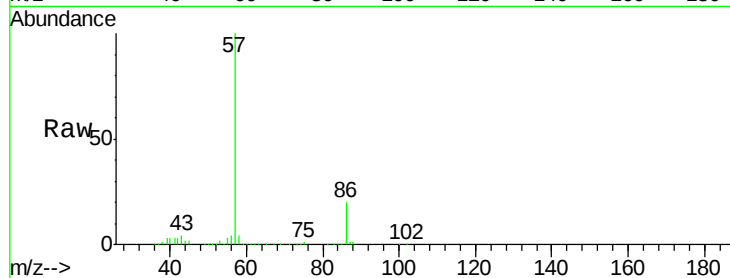




#49
 1,4-Dioxane
 Concen: 32.202 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

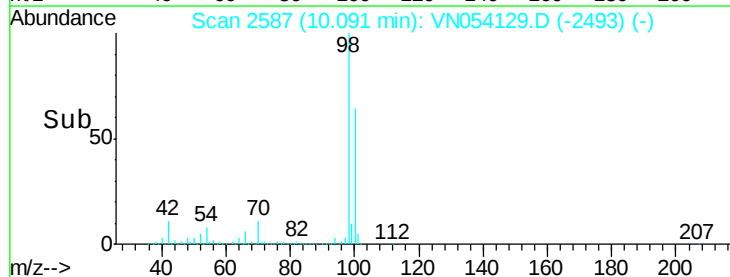
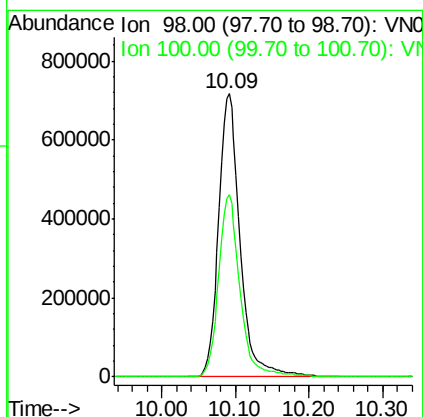
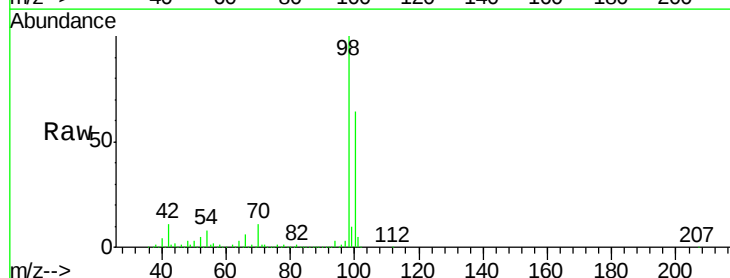
Instrument :
 MSVOA_N
 ClientSampleId :
 PLA-21835

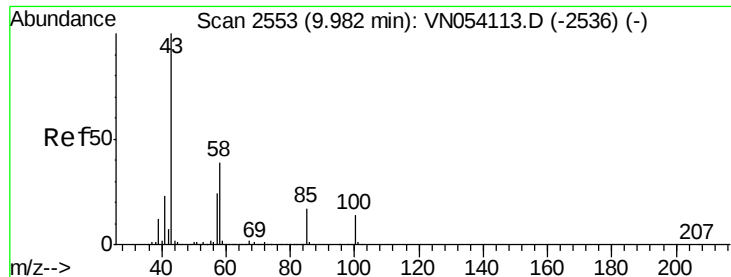
Tgt Ion: 88 Resp: 2723
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.5 38.3#
 58 0.0 58.3 87.5#



#50
 Toluene-d8
 Concen: 51.646 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion: 98 Resp: 1450684
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.7 77.5

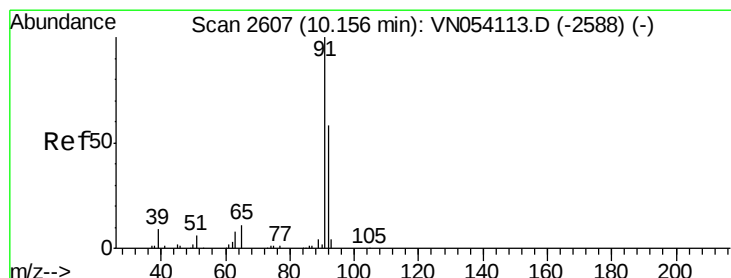
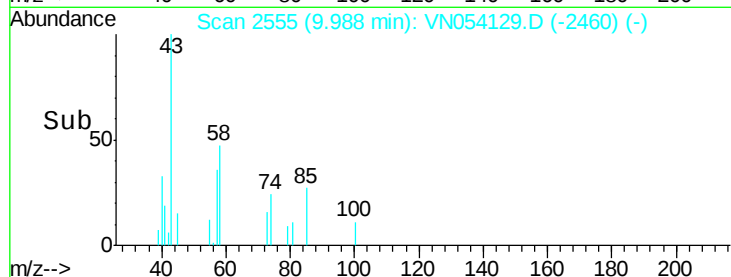
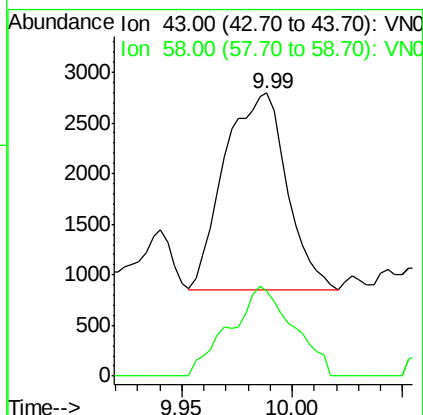
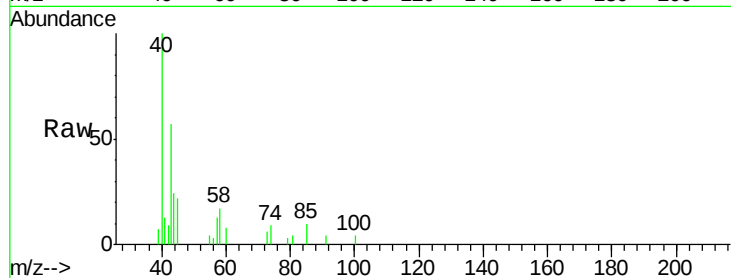




#51
 4-Methyl-2-Pentanone
 Concen: 0.555 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

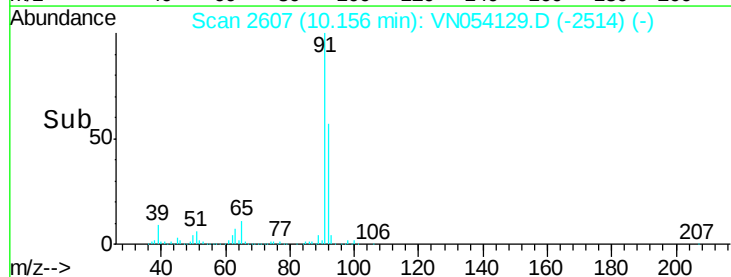
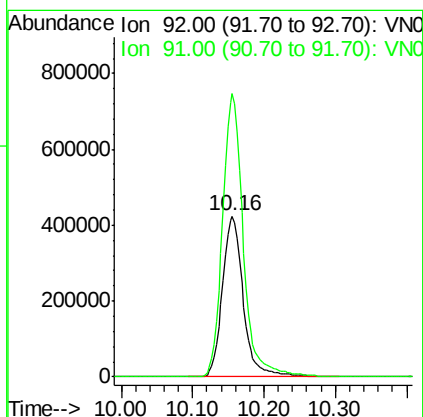
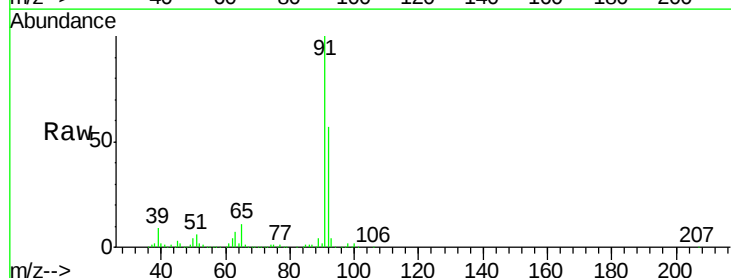
Instrument :
 MSVOA_N
 ClientSampled :
 PLA-21835

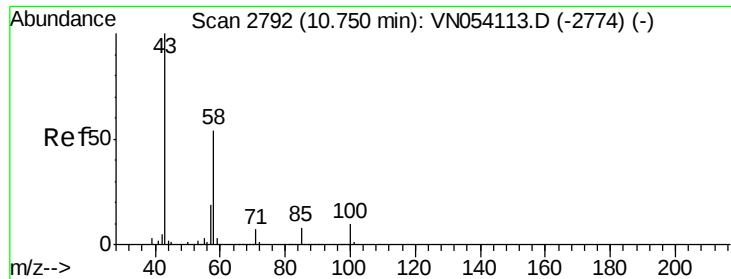
Tgt Ion: 43 Resp: 3790
 Ion Ratio Lower Upper
 43 100
 58 46.5 30.8 46.2#



#52
 Toluene
 Concen: 45.928 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion: 92 Resp: 860554
 Ion Ratio Lower Upper
 92 100
 91 174.9 139.0 208.6

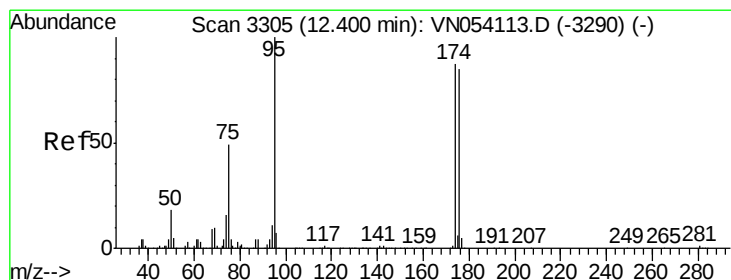
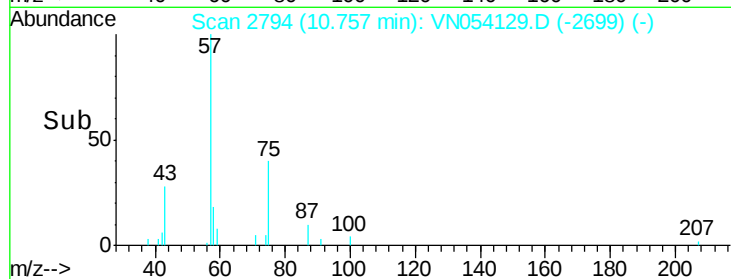
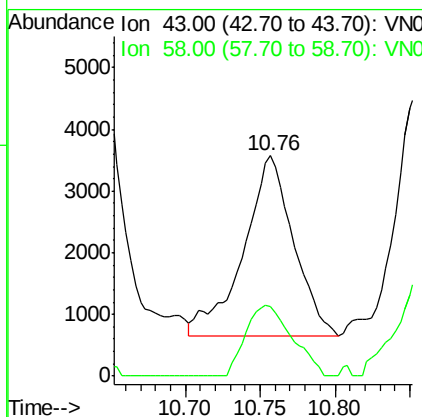
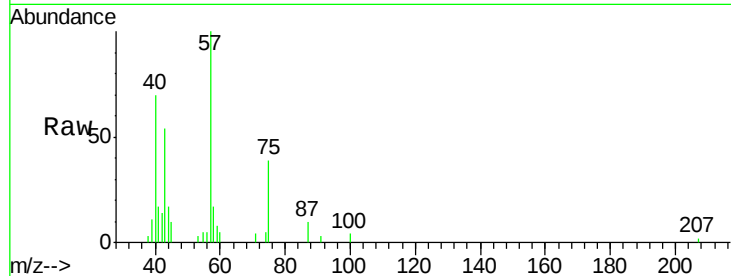




#59
2-Hexanone
Concen: 1.496 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

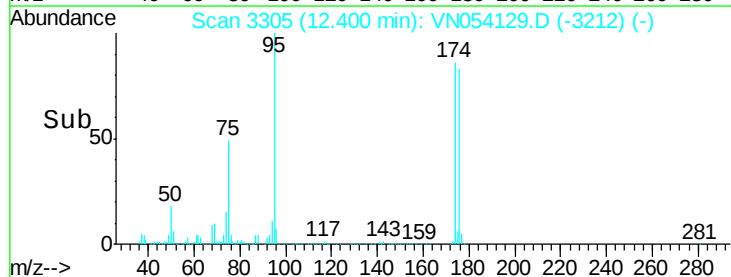
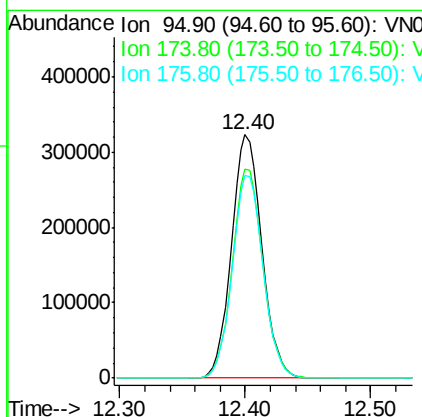
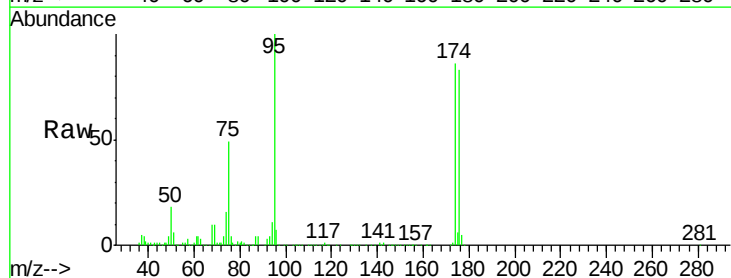
Instrument :
MSVOA_N
ClientSampled :
PLA-21835

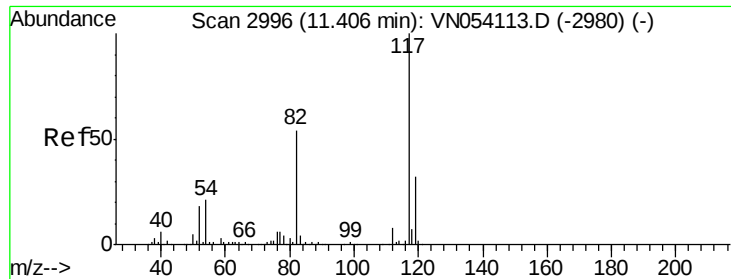
Tgt Ion: 43 Resp: 6736
Ion Ratio Lower Upper
43 100
58 36.7 27.0 81.0



#62
4-Bromofluorobenzene
Concen: 59.309 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

Tgt Ion: 95 Resp: 542380
Ion Ratio Lower Upper
95 100
174 86.6 0.0 173.2
176 84.6 0.0 168.8

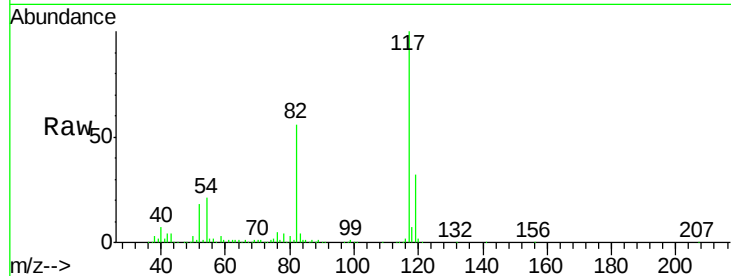




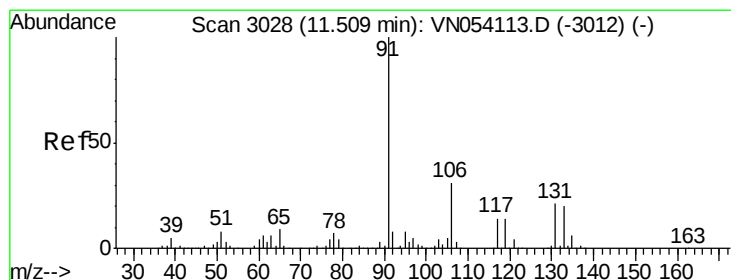
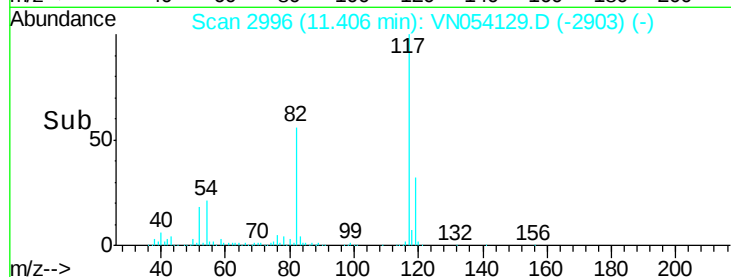
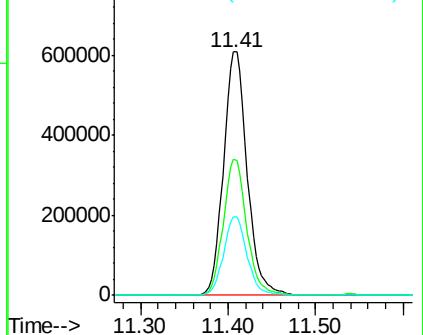
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampled :
PLA-21835

Tgt Ion:117 Resp: 1140363
Ion Ratio Lower Upper
117 100
82 56.1 43.4 65.2
119 32.5 26.0 39.0

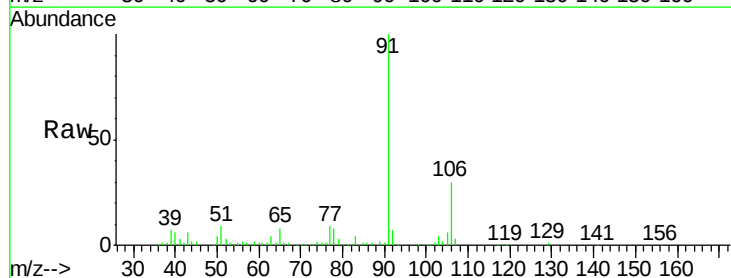


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

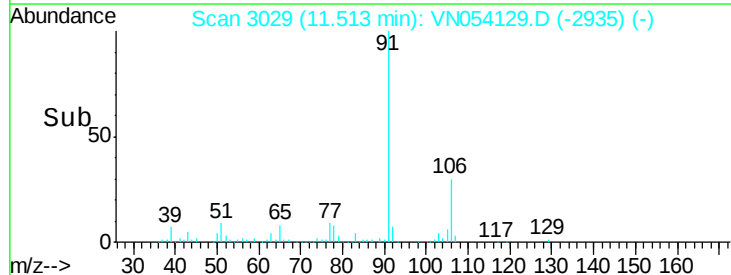
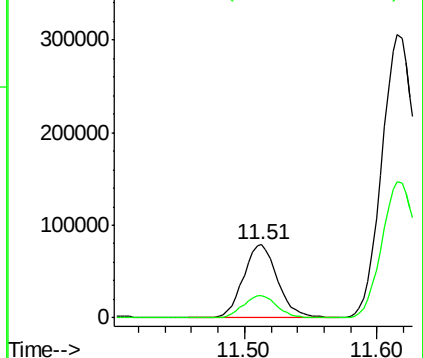


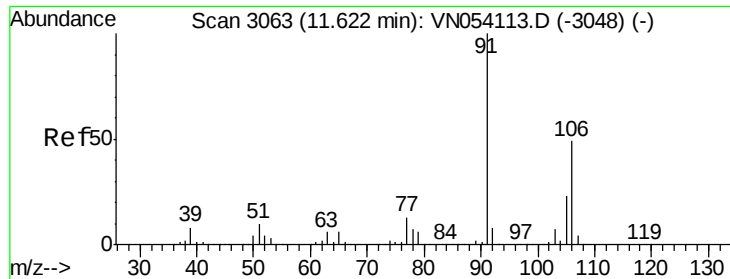
#67
Ethyl Benzene
Concen: 3.578 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

Tgt Ion: 91 Resp: 142079
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



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

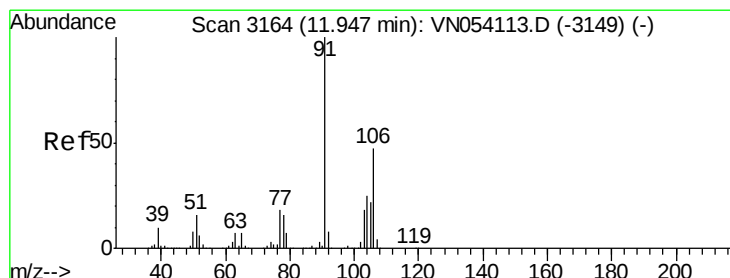
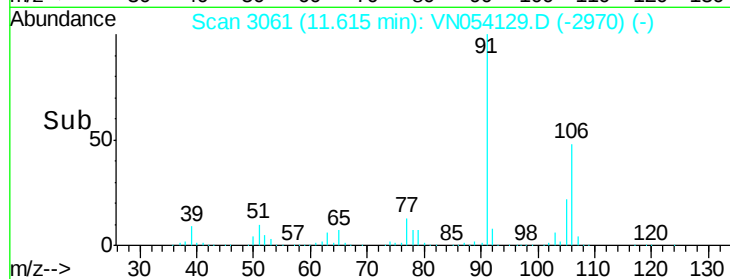
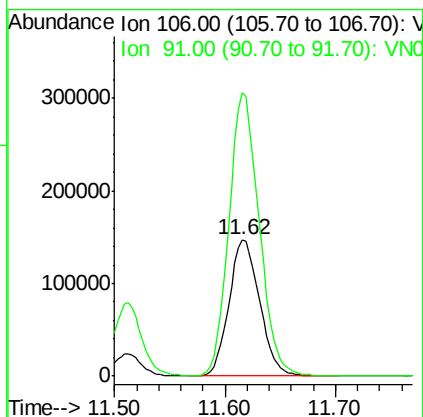
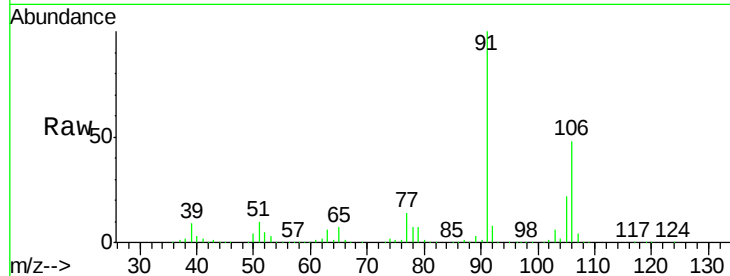




#68
m/p-Xylenes
Concen: 18.934 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

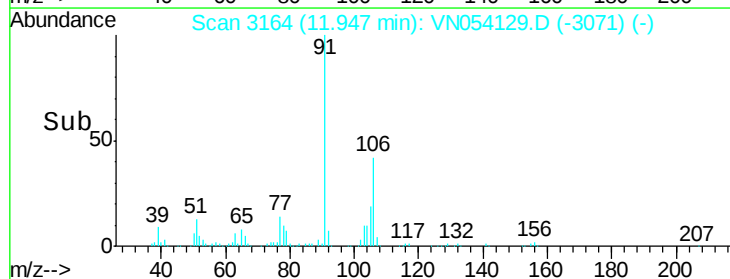
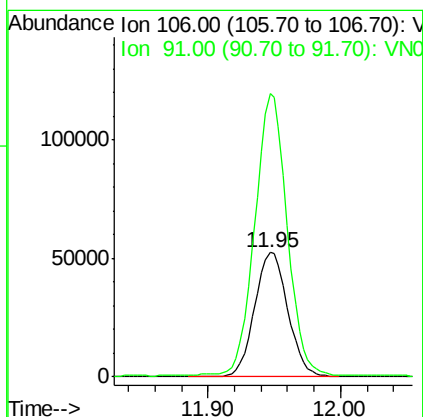
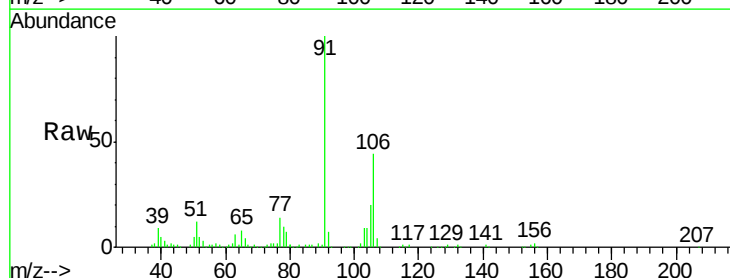
Instrument :
MSVOA_N
ClientSampled :
PLA-21835

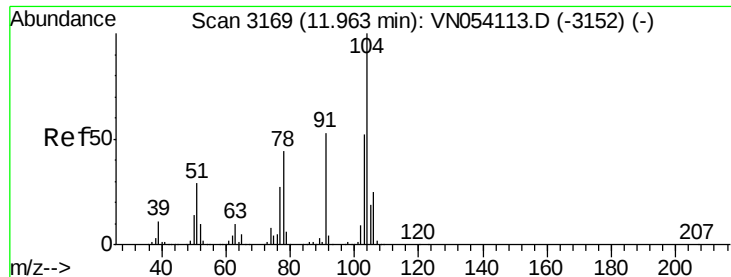
Tgt Ion:106 Resp: 283749
Ion Ratio Lower Upper
106 100
91 204.5 163.2 244.8



#69
o-Xylene
Concen: 6.367 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

Tgt Ion:106 Resp: 91824
Ion Ratio Lower Upper
106 100
91 221.0 107.1 321.3

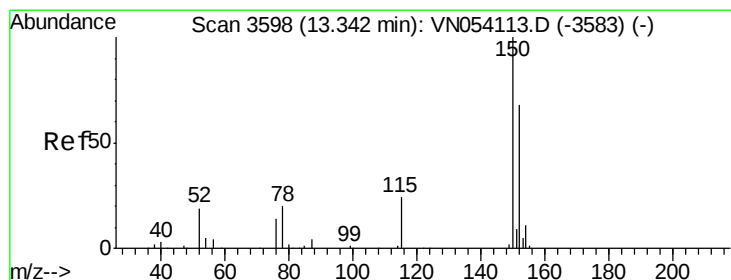
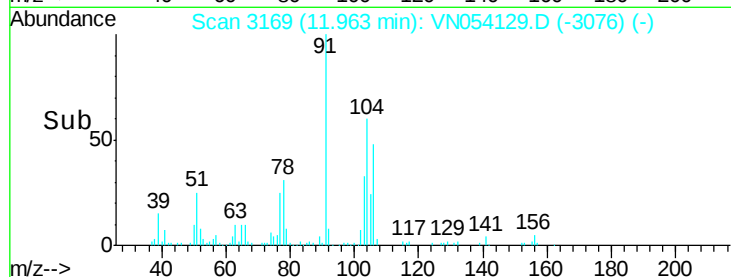
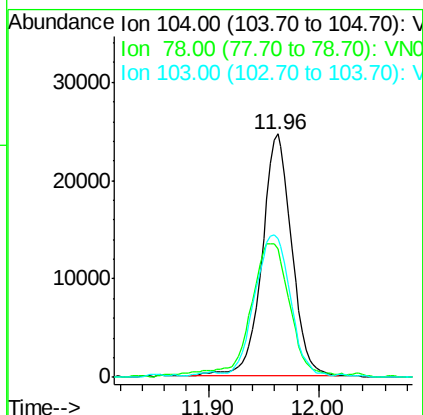
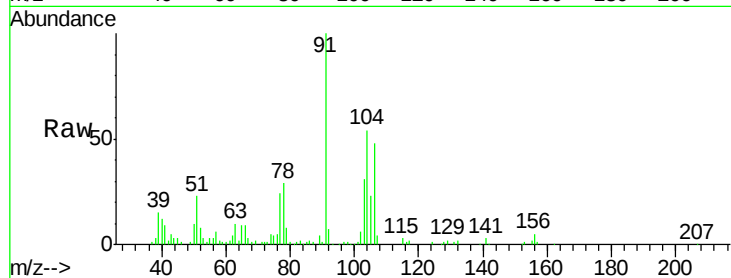




#70
Styrene
Concen: 1.993 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

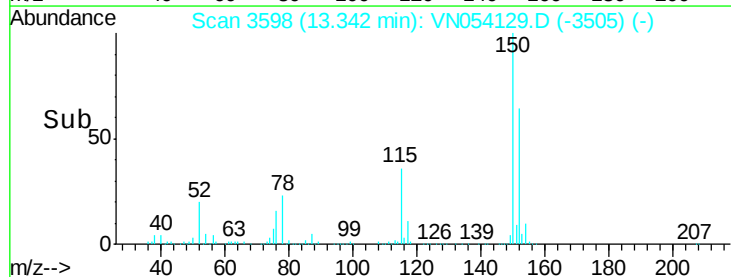
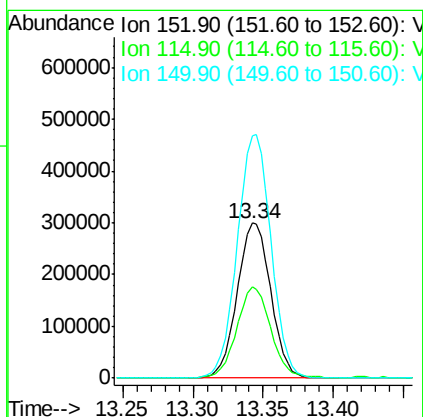
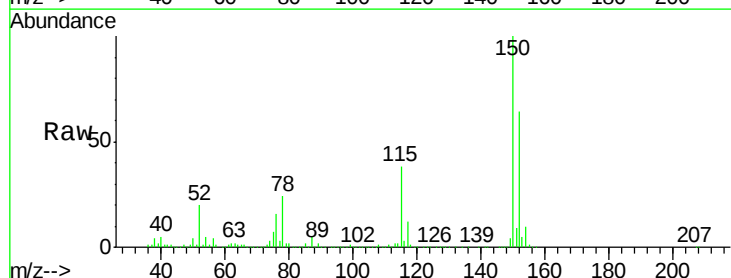
Instrument :
MSVOA_N
ClientSampleId :
PLA-21835

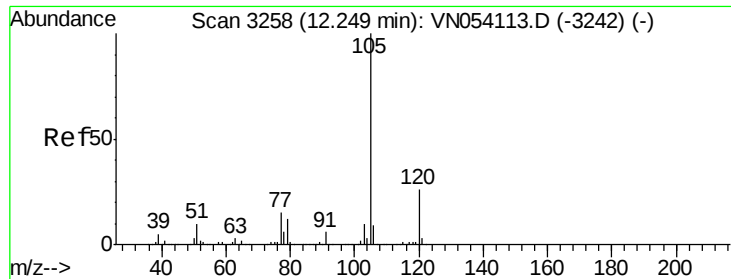
Tgt Ion:104 Resp: 45613
Ion Ratio Lower Upper
104 100
78 75.7 39.4 59.0#
103 69.1 44.7 67.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

Tgt Ion:152 Resp: 499317
Ion Ratio Lower Upper
152 100
115 59.5 28.5 85.6
150 158.4 0.0 343.2





#73

Isopropylbenzene

Concen: 0.357 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

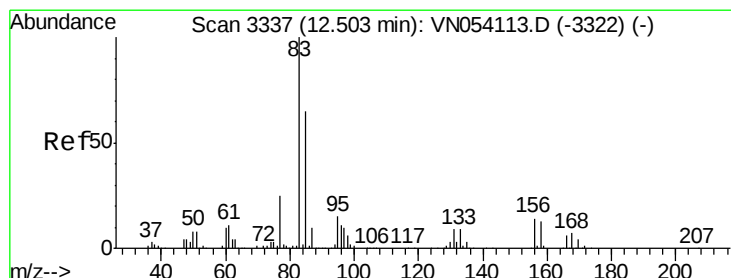
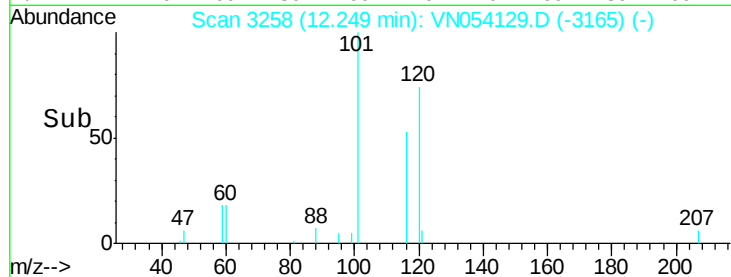
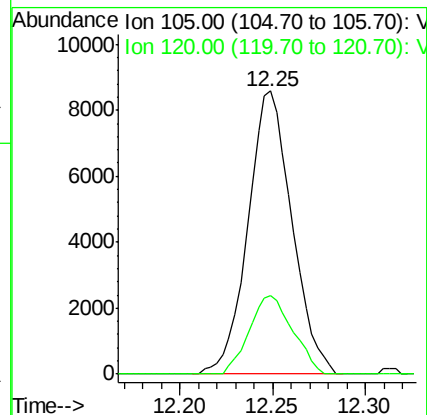
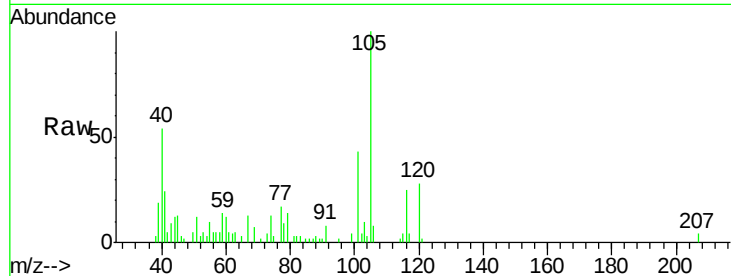
PLA-21835

Tgt Ion:105 Resp: 14187

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8



#75

1,1,2,2-Tetrachloroethane

Concen: 9.968 ug/l

RT: 12.36 min Scan# 3294

Delta R.T. -0.14 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

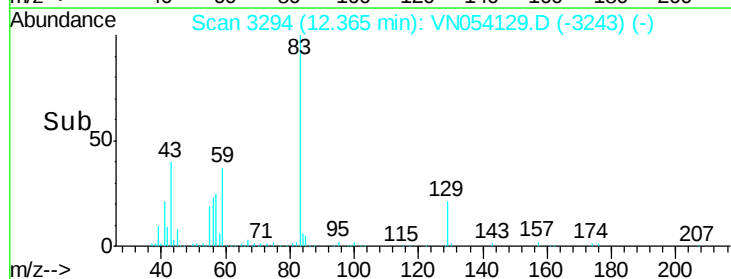
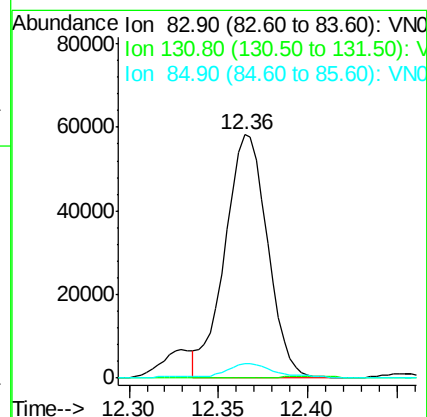
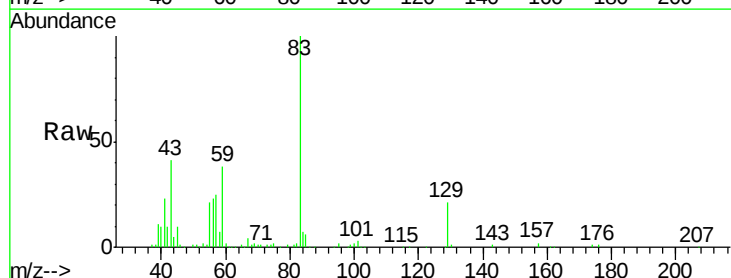
Tgt Ion: 83 Resp: 96359

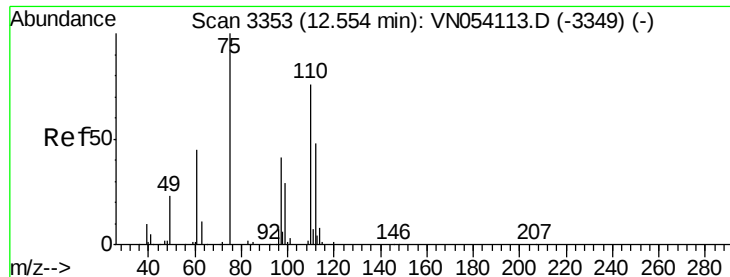
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 6.8 32.4 97.0#





#76

1,2,3-Trichloropropane

Concen: 31.391 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

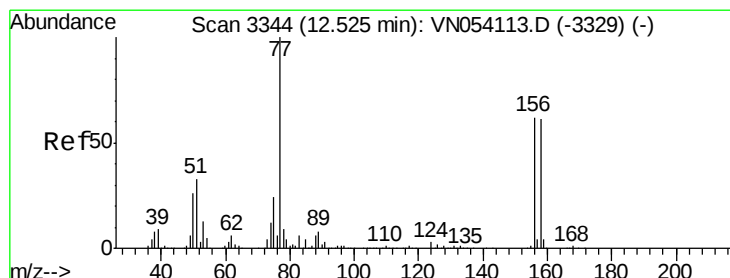
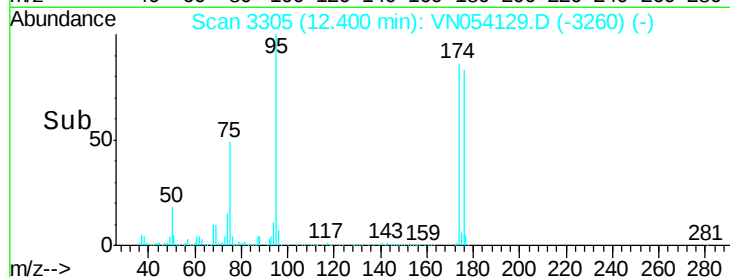
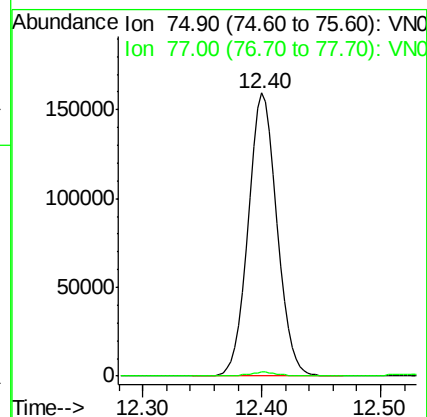
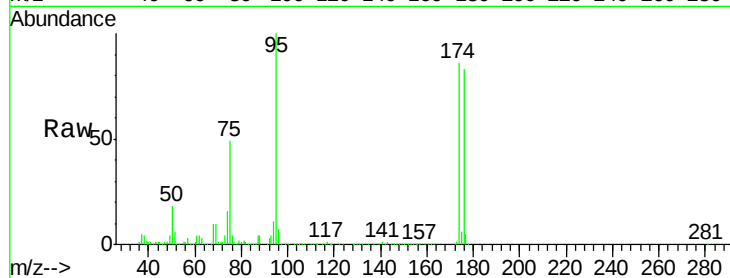
PLA-21835

Tgt Ion: 75 Resp: 267123

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#77

Bromobenzene

Concen: 3.711 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.03 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

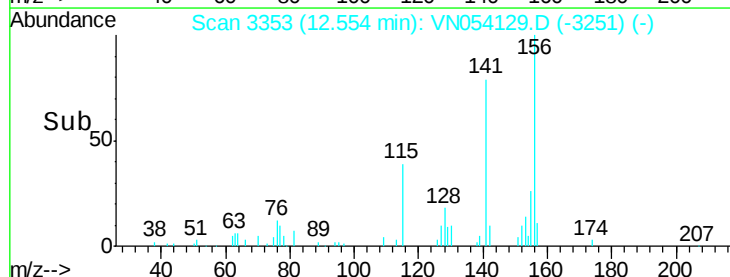
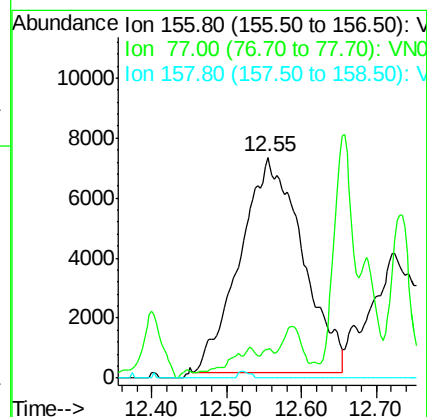
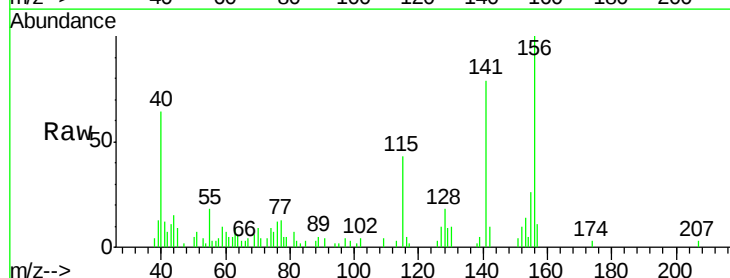
Tgt Ion: 156 Resp: 41444

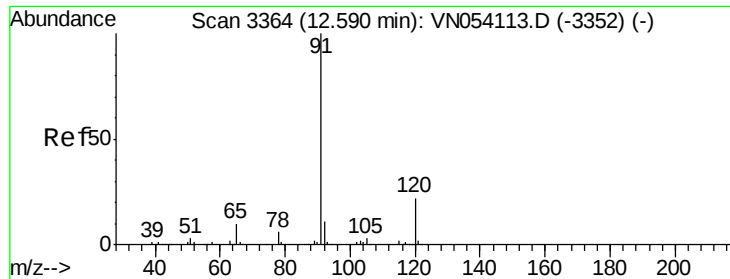
Ion Ratio Lower Upper

156 100

77 0.0 93.6 280.8#

158 0.0 48.4 145.0#





#78

n-propylbenzene

Concen: 0.742 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

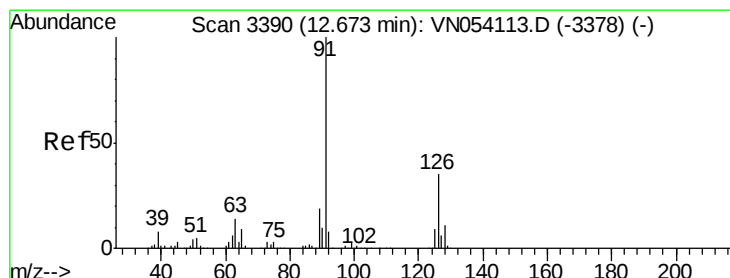
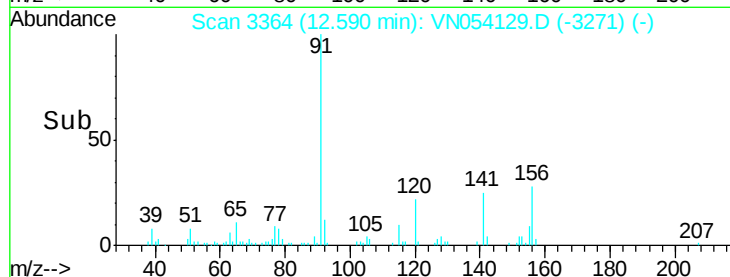
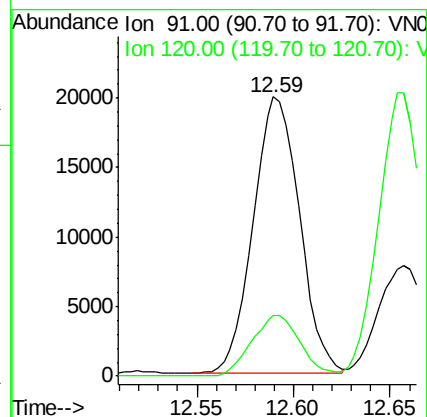
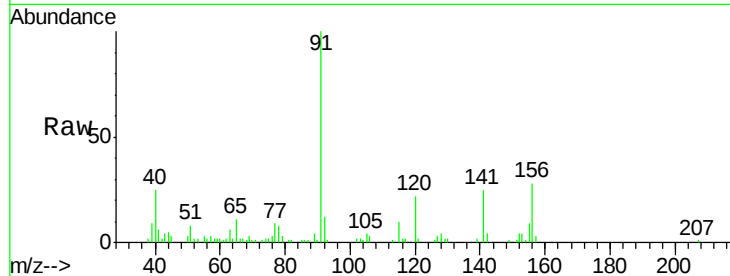
PLA-21835

Tgt Ion: 91 Resp: 33186

Ion Ratio Lower Upper

91 100

120 23.0 11.3 33.9



#79

2-Chlorotoluene

Concen: 0.483 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN054129.D

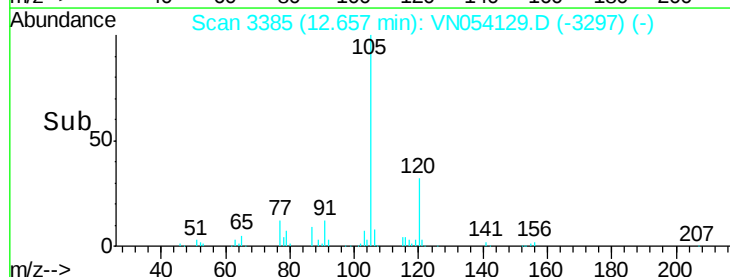
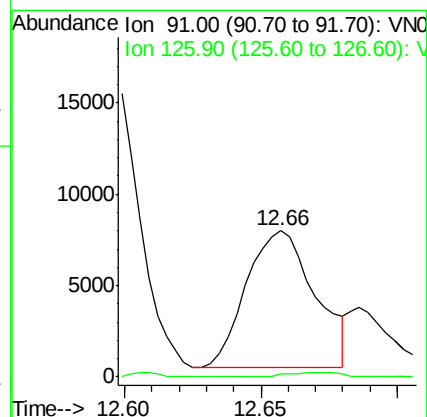
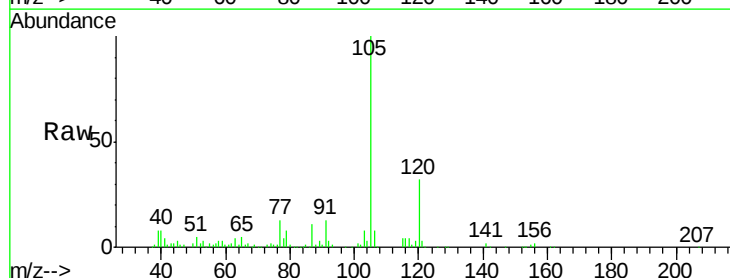
Acq: 6 Mar 2019 20:52

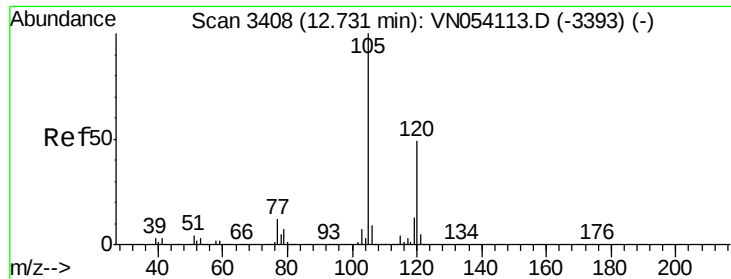
Tgt Ion: 91 Resp: 13117

Ion Ratio Lower Upper

91 100

126 2.4 17.4 52.2#

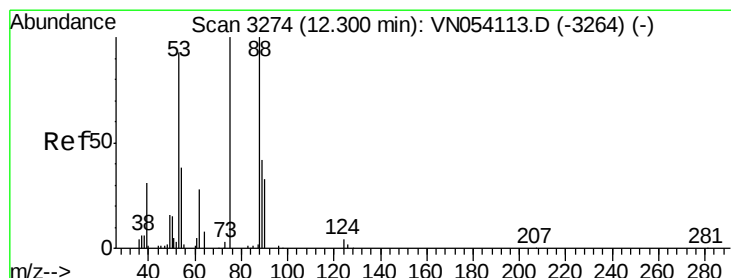
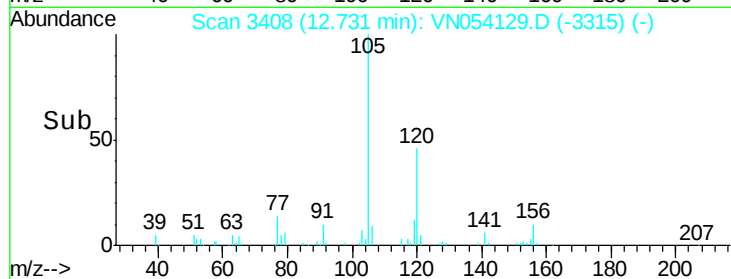
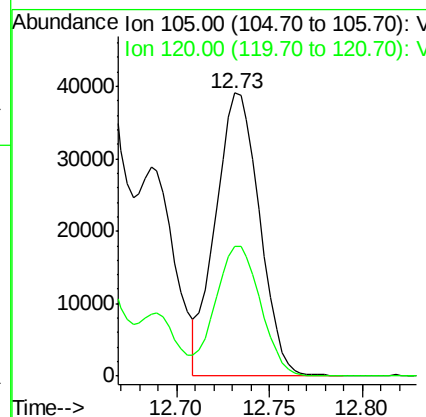
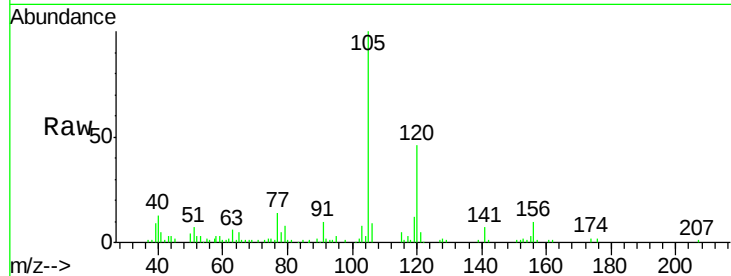




#80
 1,3,5-Trimethylbenzene
 Concen: 1.993 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

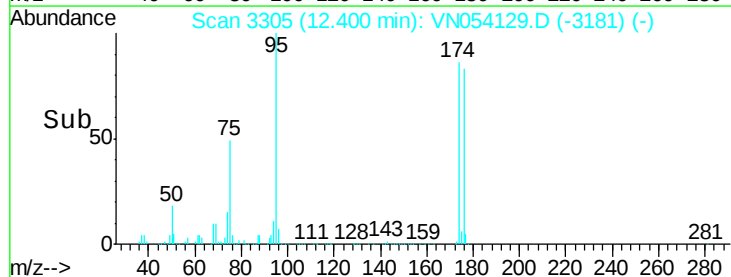
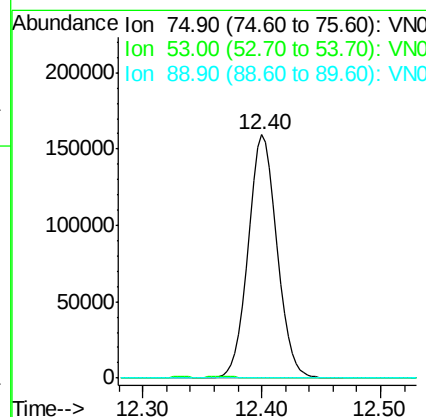
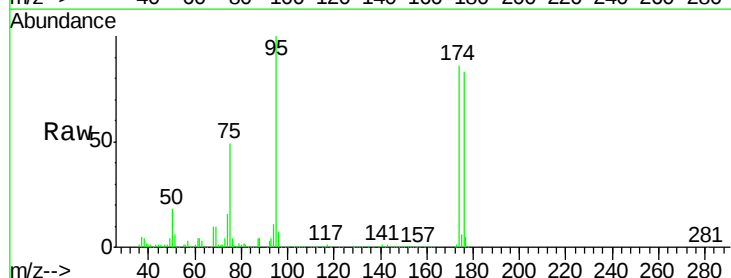
Instrument :
 MSVOA_N
 ClientSampled :
 PLA-21835

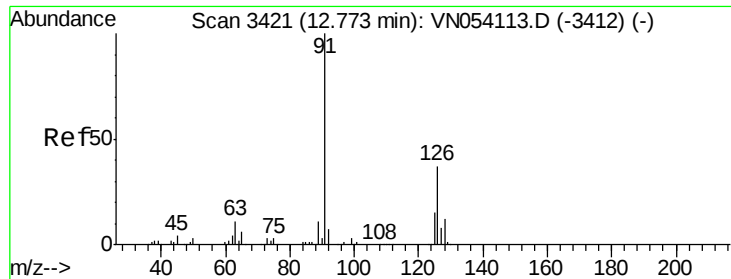
Tgt Ion: 105 Resp: 64369
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.803 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion: 75 Resp: 267123
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.4 114.6#
 89 0.0 35.3 52.9#

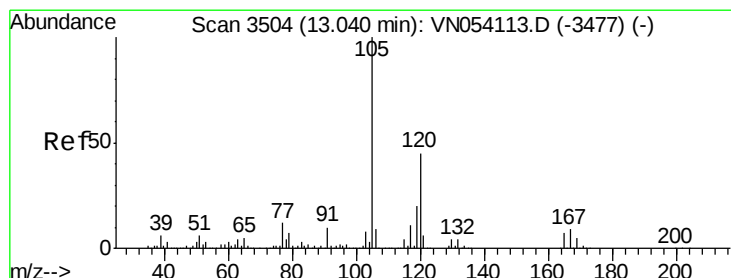
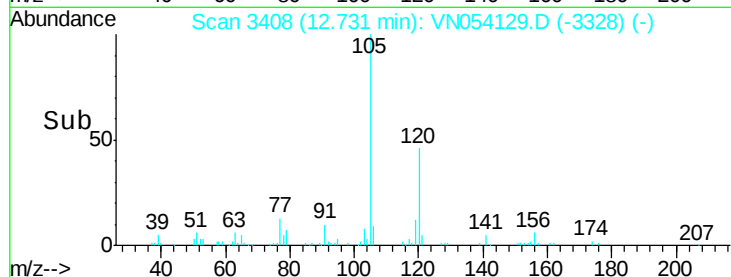
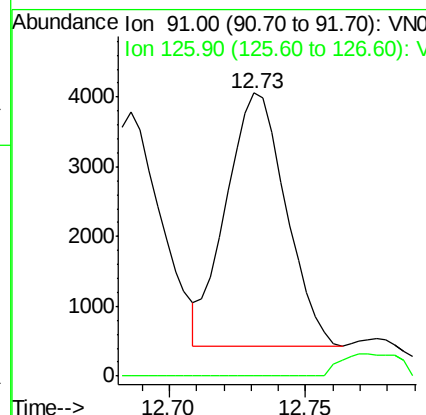
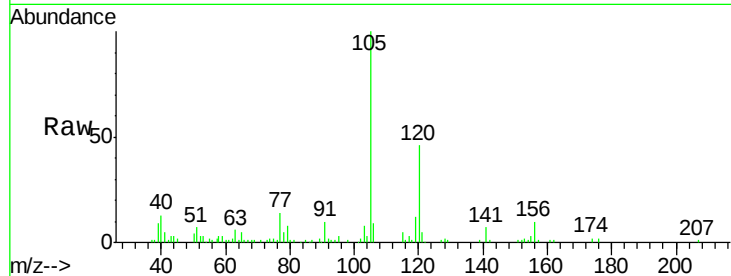




#82
4-Chlorotoluene
Concen: 0.205 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

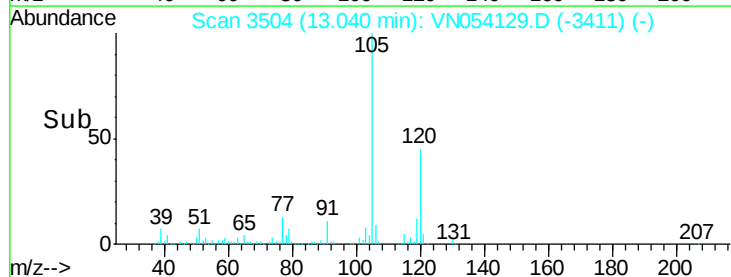
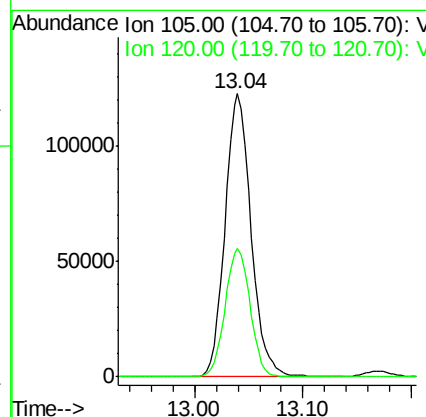
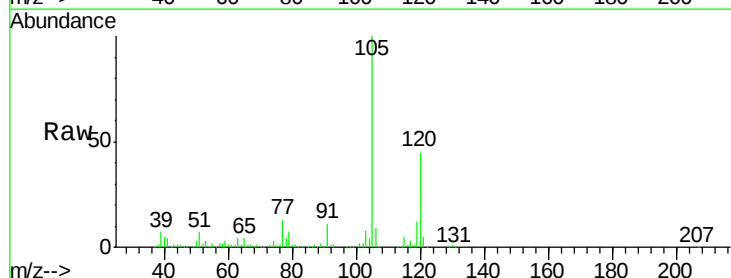
Instrument :
MSVOA_N
ClientSampled :
PLA-21835

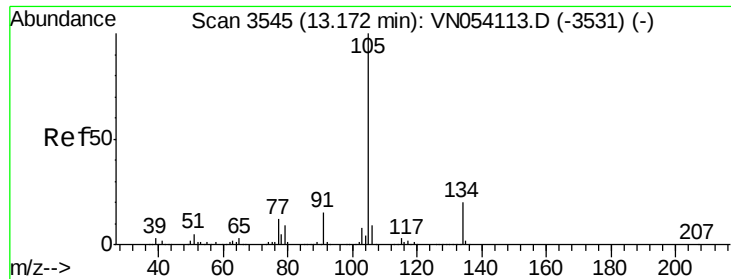
Tgt Ion: 91 Resp: 5543
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.3#



#84
1,2,4-Trimethylbenzene
Concen: 6.400 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054129.D
Acq: 6 Mar 2019 20:52

Tgt Ion: 105 Resp: 205154
Ion Ratio Lower Upper
105 100
120 43.7 22.6 67.7

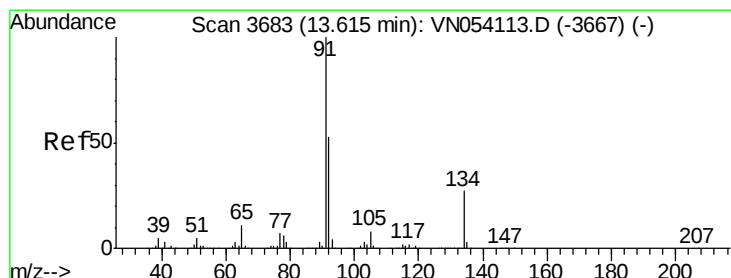
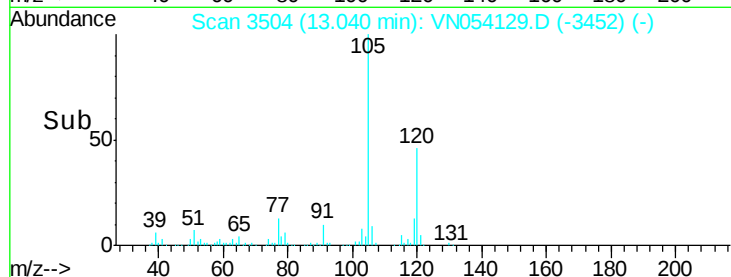
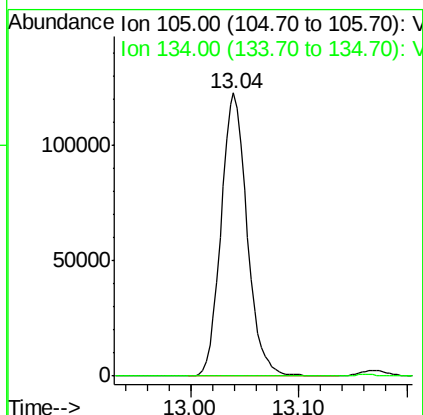
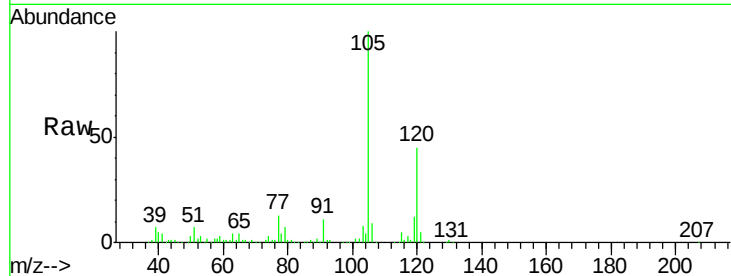




#85
 sec-Butylbenzene
 Concen: 5.286 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

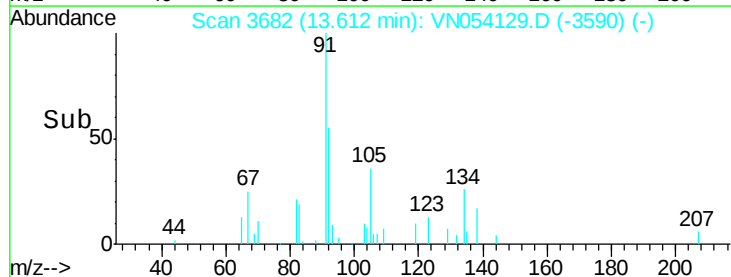
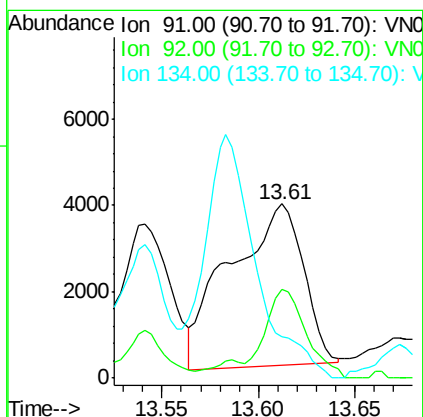
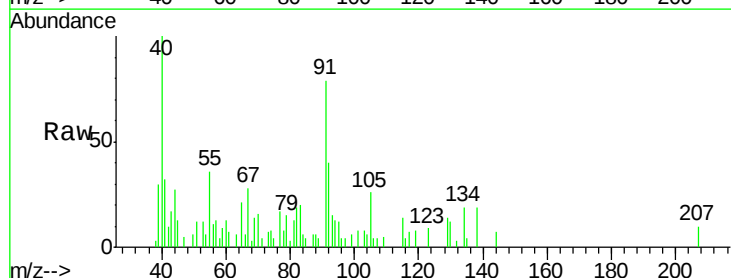
Instrument :
 MSVOA_N
 ClientSampled :
 PLA-21835

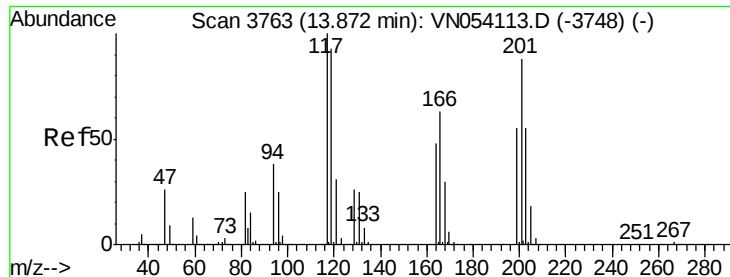
Tgt Ion: 105 Resp: 205154
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#



#89
 n-Butylbenzene
 Concen: 0.361 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Tgt Ion: 91 Resp: 9949
 Ion Ratio Lower Upper
 91 100
 92 30.1 26.0 78.0
 134 0.0 13.1 39.1#





#90

Hexachloroethane

Concen: 0.748 ug/l

RT: 13.85 min Scan# 3757

Delta R.T. -0.02 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

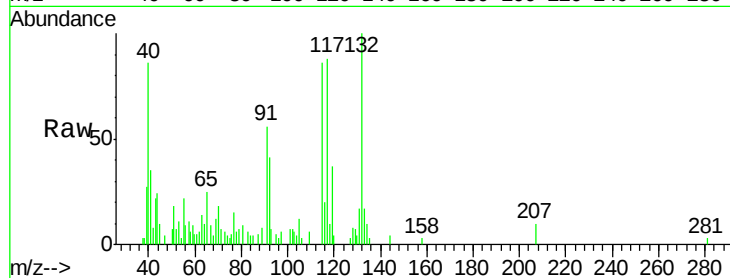
PLA-21835

Tgt Ion:117 Resp: 4680

Ion Ratio Lower Upper

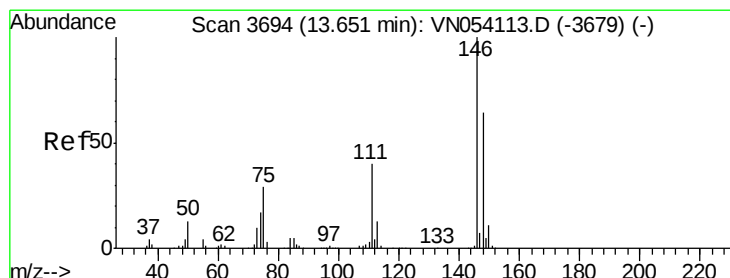
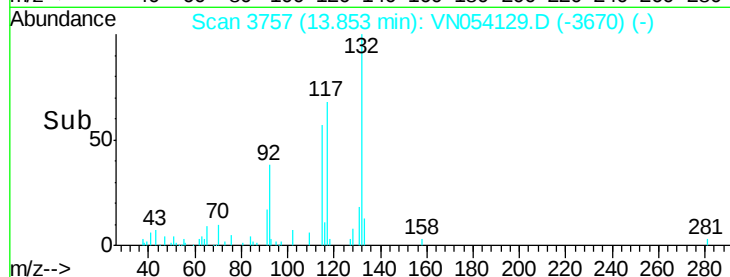
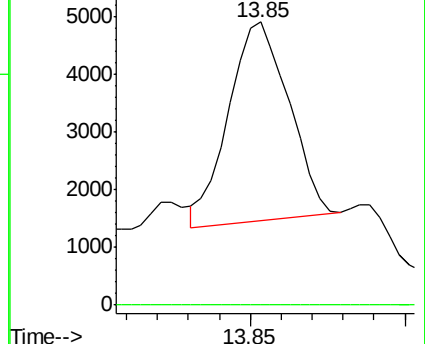
117 100

201 0.0 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

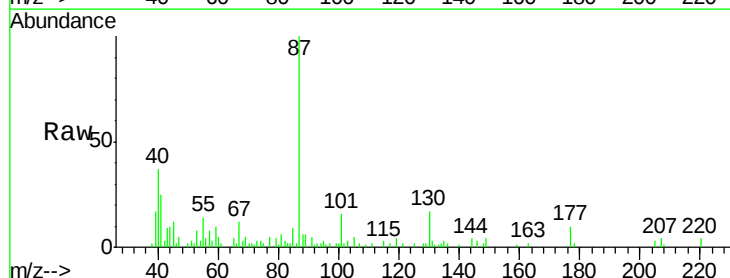
Tgt Ion:146 Resp: 484

Ion Ratio Lower Upper

146 100

111 118.0 20.0 60.0#

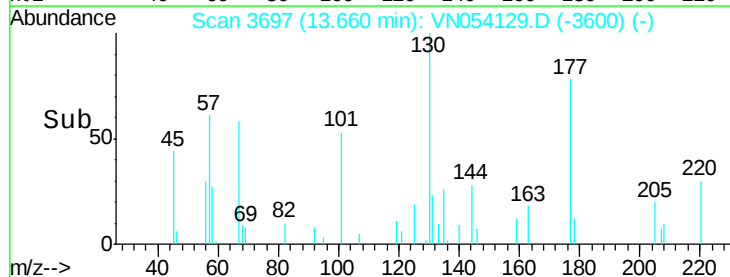
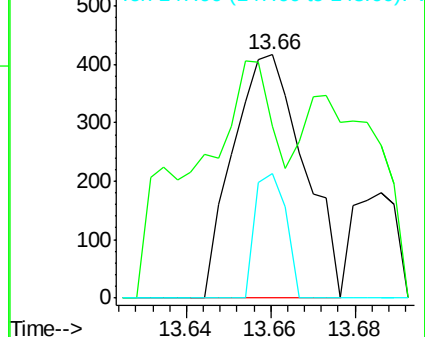
148 22.7 32.3 96.9#

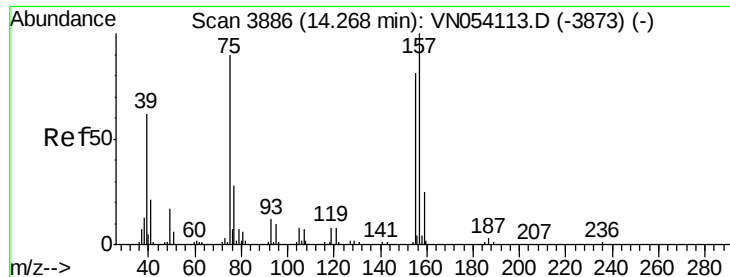


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.394 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

PLA-21835

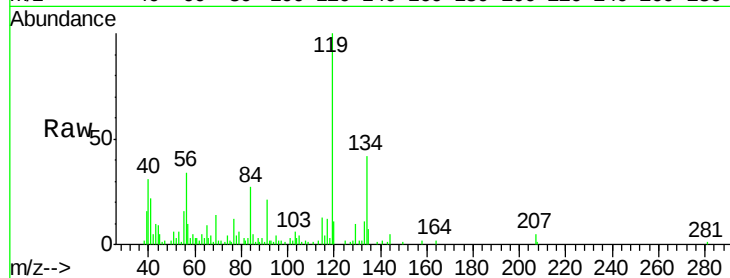
Tgt Ion: 75 Resp: 571

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.5#

157 0.0 57.2 171.6#

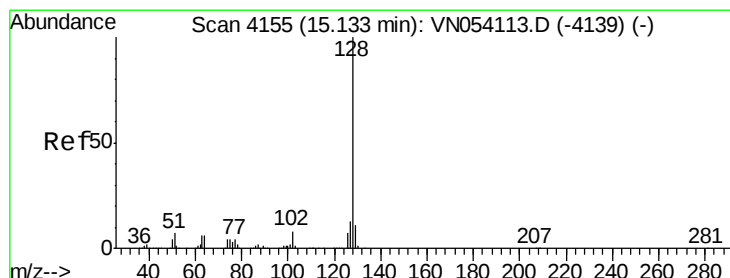
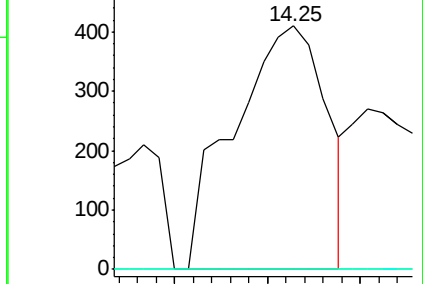
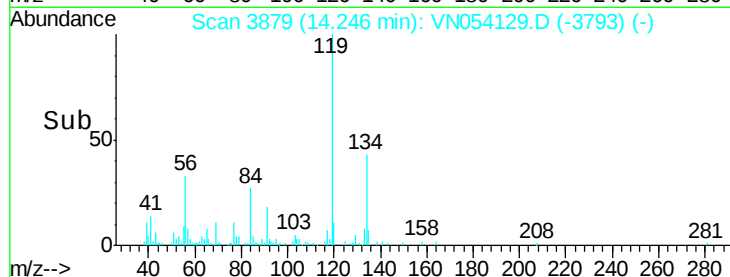


Abundance Ion 74.90 (74.60 to 75.60): VN054113.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN054113.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN054113.D (-3873) (-)

Time-->



#95

Naphthalene

Concen: 86.988 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054129.D

Acq: 6 Mar 2019 20:52

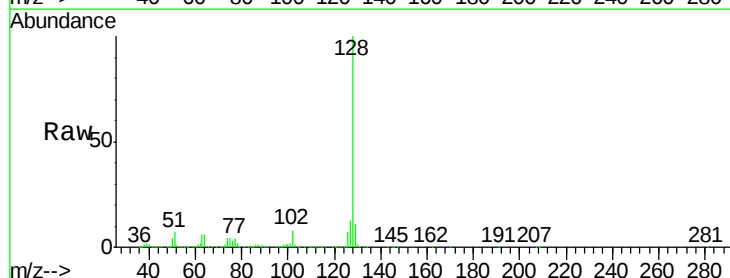
Tgt Ion: 128 Resp: 1704326

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.7 8.6 12.8

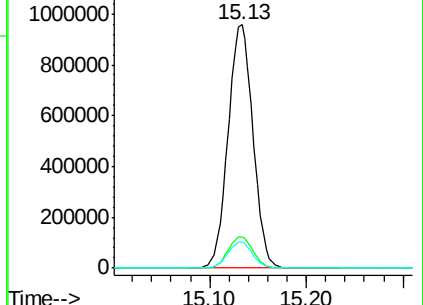
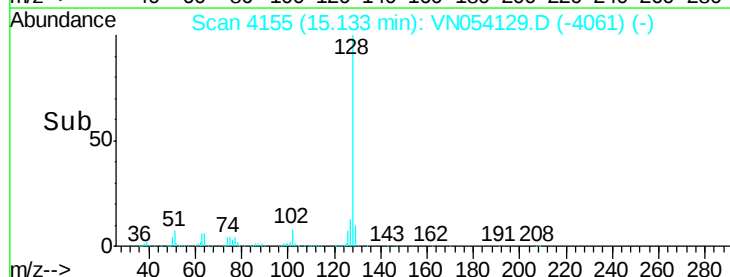


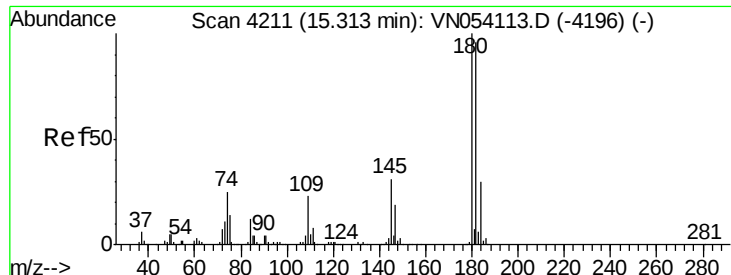
Abundance Ion 128.00 (127.70 to 128.70): VN054113.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN054113.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN054113.D (-4139) (-)

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 2.458 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054129.D
 Acq: 6 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PLA-21835

Tgt Ion	Ratio	Lower	Upper
180	100		
182	369.8	47.9	143.7#
145	783.8	14.9	44.5#

