

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054589.D
 Acq On : 23 Mar 2019 6:28
 Operator : JC/SP
 Sample : K2045-15
 Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)

Quant Time: Mar 25 01:51:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	568154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	869581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	791080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416855	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	344911	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	7.59	113	252167	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	
50) Toluene-d8	10.09	98	1096058	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	394967	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	87904	11.848	ug/l	99
18) Methyl Acetate	4.33	43	3316	0.700	ug/l #	59
20) Methylene Chloride	4.55	84	2030	0.324	ug/l #	78
21) trans-1,2-Dichloroethene	5.02	96	11933	2.133	ug/l	88
24) 1,1-Dichloroethane	5.84	63	18770	1.713	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	202156	30.288	ug/l	98
29) Tetrahydrofuran	7.23	42	458	0.259	ug/l #	30
31) Cyclohexane	7.64	56	63472	4.348	ug/l #	76
36) 1,1-Dichloropropene	7.66	75	43684	5.373	ug/l #	47
38) Carbon Tetrachloride	7.66	117	53186	6.731	ug/l #	15
39) Methylcyclohexane	9.08	83	283083	30.437	ug/l	89
40) Benzene	8.04	78	31823	1.369	ug/l	95
42) 1,2-Dichloroethane	8.12	62	5480	0.647	ug/l #	75
43) Isopropyl Acetate	8.15	43	10856	1.112	ug/l #	60
44) Trichloroethene	8.83	130	2714	0.420	ug/l	98
47) Bromodichloromethane	9.36	83	2017	0.261	ug/l #	60
48) Methyl methacrylate	9.22	41	7404	1.397	ug/l #	11
49) 1,4-Dioxane	9.48	88	130	2.194	ug/l #	27
51) 4-Methyl-2-Pentanone	10.02	43	20334	3.757	ug/l #	82
52) Toluene	10.16	92	37781	2.642	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	58	2.239	ug/l #	65
55) 1,1,2-Trichloroethane	10.53	97	42063	8.183	ug/l #	21
56) Ethyl methacrylate	10.43	69	18575	2.692	ug/l #	1
59) 2-Hexanone	10.72	43	105661	29.887	ug/l #	28
65) Chlorobenzene	11.43	112	10515836	653.579	ug/l	99
67) Ethyl Benzene	11.51	91	276015	9.712	ug/l	99
68) m/p-Xylenes	11.63	106	13212	1.227	ug/l #	71
69) o-Xylene	11.95	106	123520	11.749	ug/l	94
70) Styrene	11.95	104	6635	0.389	ug/l #	1
71) Bromoform	12.40	173	3276	3.007	ug/l #	1
73) Isopropylbenzene	12.25	105	235257	7.004	ug/l	98
74) N-amyl acetate	12.04	43	749546	77.604	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.46	83	24082	3.141	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	197217	29.814	ug/l #	100

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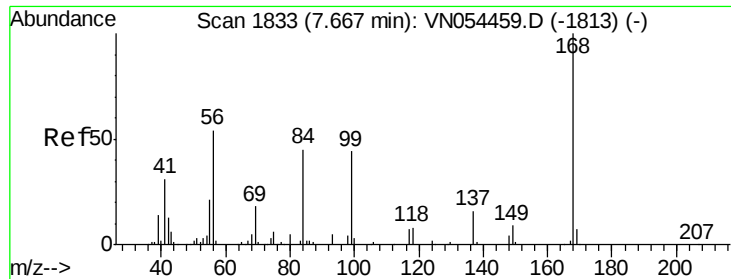
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) n-propylbenzene	12.59	91	934528	25.656	uq/l	95
79) 2-Chlorotoluene	12.68	91	78732	3.466	uq/l #	64
80) 1,3,5-Trimethylbenzene	12.73	105	142832	5.188	uq/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	197217	99.432	uq/l #	19
82) 4-Chlorotoluene	12.68	91	79256	3.600	uq/l #	69
83) tert-Butylbenzene	12.99	119	147159	6.141	uq/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	46641	1.727	uq/l	98
85) sec-Butylbenzene	13.17	105	706585	23.653	uq/l #	59
86) p-Isopropyltoluene	13.29	119	174539	6.531	uq/l	95
87) 1,3-Dichlorobenzene	13.28	146	3154254	228.472	uq/l	97
88) 1,4-Dichlorobenzene	13.36	146	9617250	715.964	uq/l	97
89) n-Butylbenzene	13.61	91	1013588	48.501	uq/l #	75
90) Hexachloroethane	13.80	117	28436	6.854	uq/l #	2
91) 1,2-Dichlorobenzene	13.65	146	12306110	920.273	uq/l	96
92) 1,2-Dibromo-3-Chloropropan	14.29	75	9269	8.241	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	590958	88.651	uq/l #	82
94) Hexachlorobutadiene	15.00	225	443	Below Cal	#	56
95) Naphthalene	15.13	128	29416	1.978	uq/l #	64
96) 1,2,3-Trichlorobenzene	15.31	180	105663	15.926	uq/l #	30

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

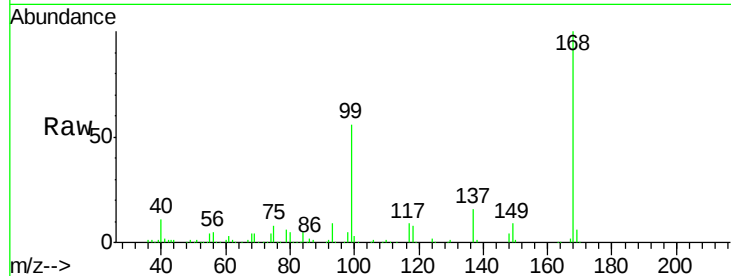
WP022SB436-190320-(22-24)

Tot Ion:168 Resp: 568154

Ion Ratio Lower Upper

168 100

99 56.0 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

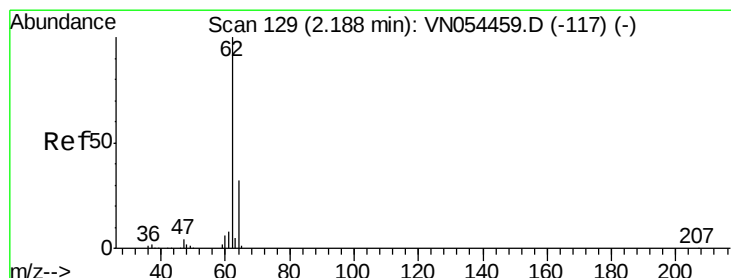
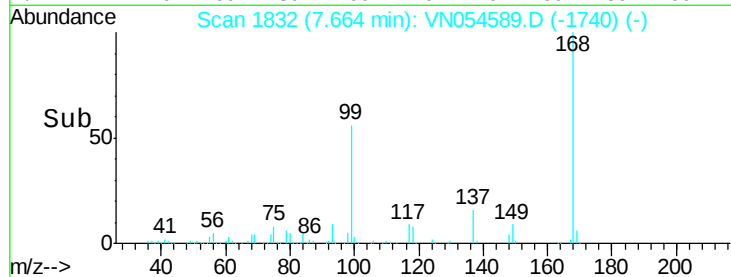
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 11.848 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054589.D

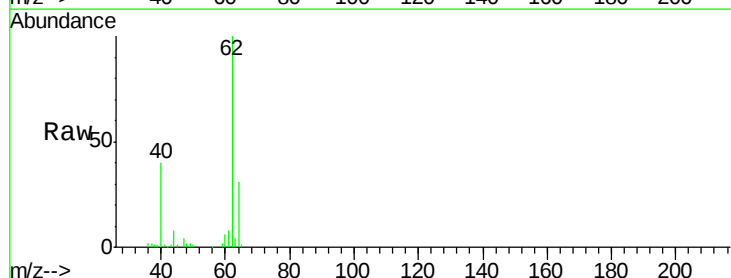
Acq: 23 Mar 2019 6:28

Tgt Ion: 62 Resp: 87904

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.19

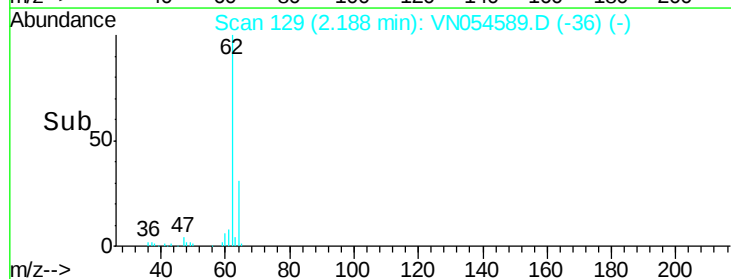
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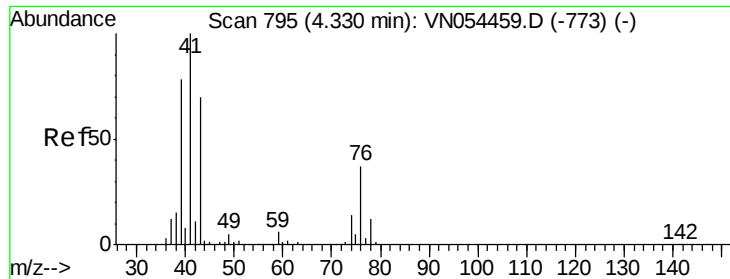
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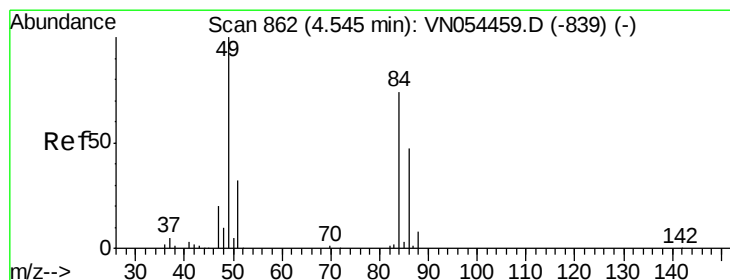
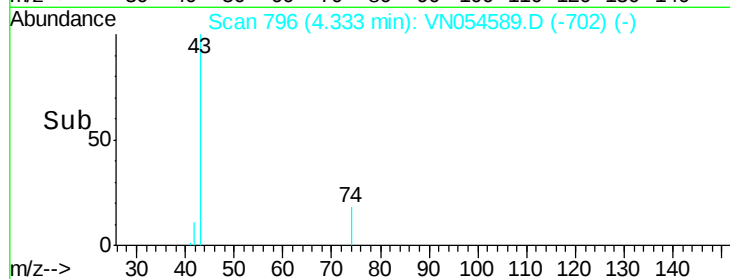
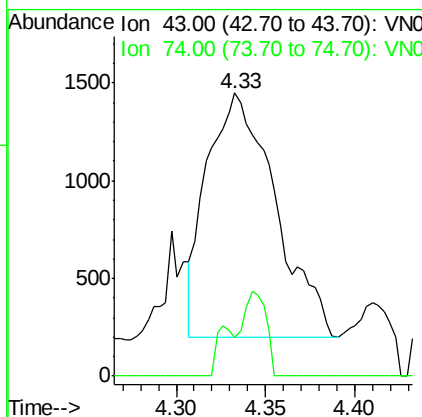
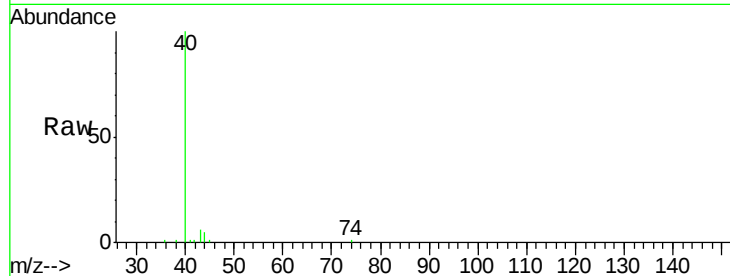




#18
Methyl Acetate
Concen: 0.700 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

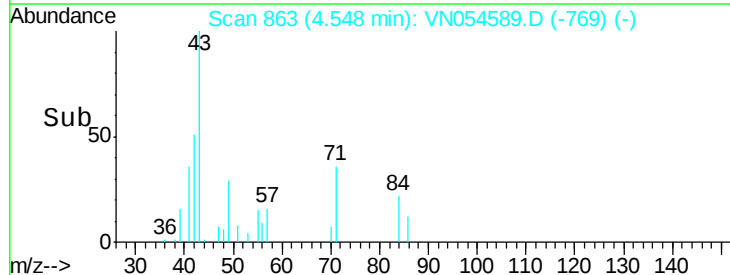
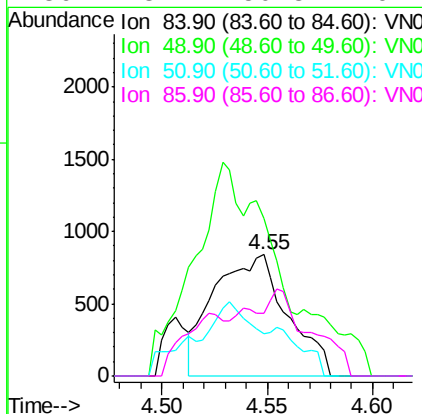
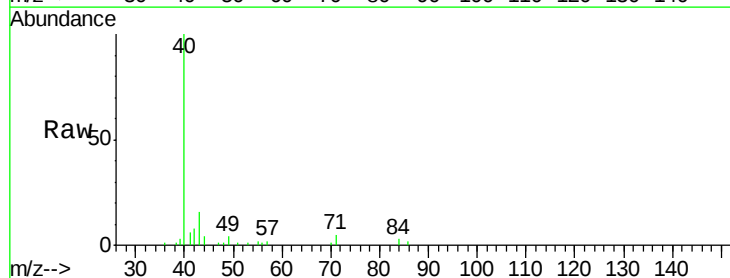
Instrument :
MSVOA_N
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WP022SB436-190320-(22-24)

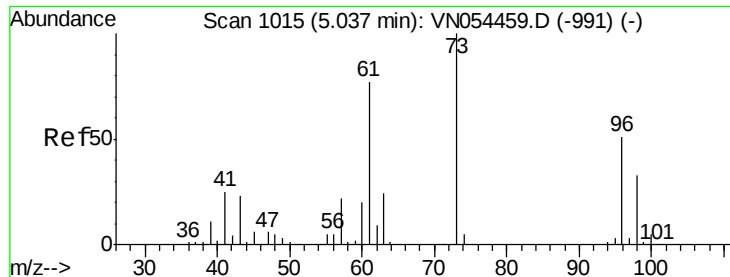
Tot Ion: 43 Resp: 3316
Ion Ratio Lower Upper
43 100
74 5.3 20.8 31.2#



#20
Methylene Chloride
Concen: 0.324 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion: 84 Resp: 2030
Ion Ratio Lower Upper
84 100
49 95.1 89.7 134.5
51 34.6 28.2 42.4
86 28.2 50.8 76.2#





#21

trans-1,2-Dichloroethene

Concen: 2.133 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

WP022SB436-190320-(22-24)

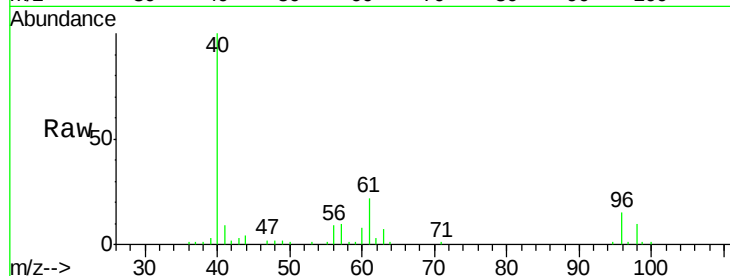
Tot Ion: 96 Resp: 11933

Ion Ratio Lower Upper

96 100

61 147.9 102.8 154.2

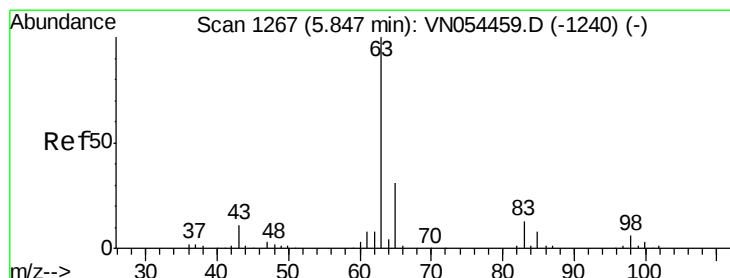
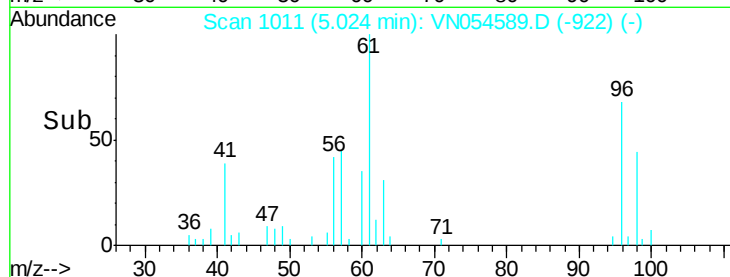
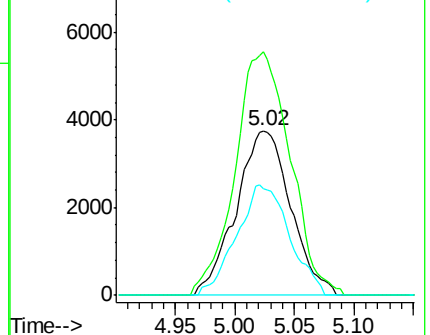
98 64.5 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#24

1,1-Dichloroethane

Concen: 1.713 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

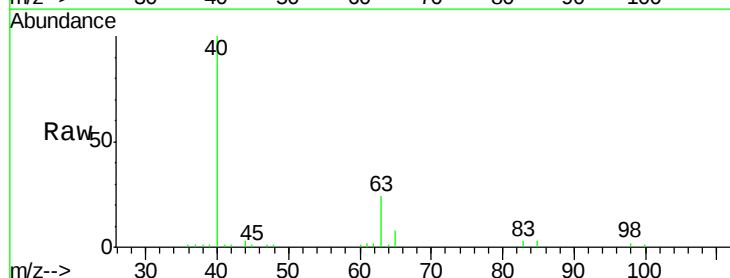
Tgt Ion: 63 Resp: 18770

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

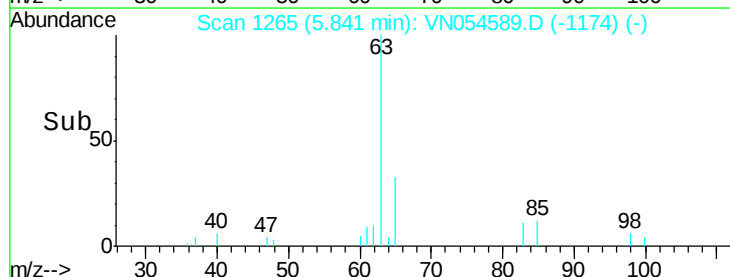
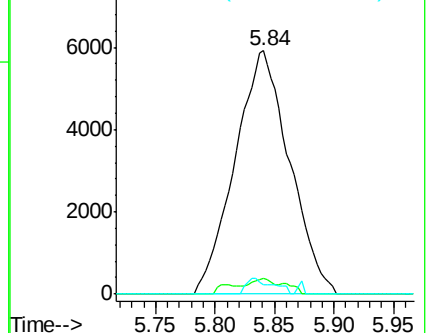
100 3.6 2.0 6.0

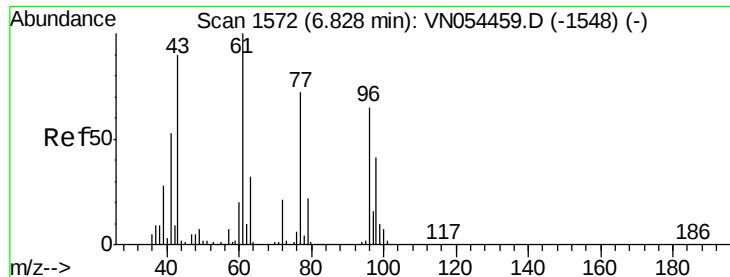


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 30.288 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

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ClientSampleId :

WP022SB436-190320-(22-24)

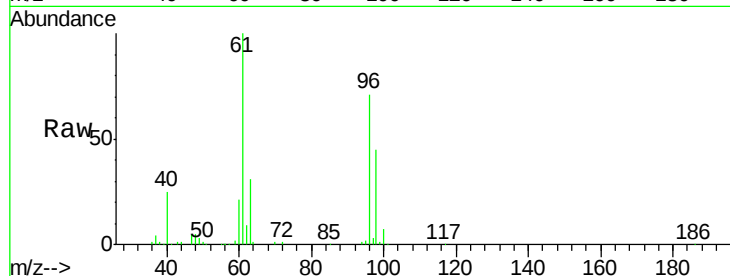
Tot Ion: 96 Resp: 202156

Ion Ratio Lower Upper

96 100

61 139.0 0.0 273.0

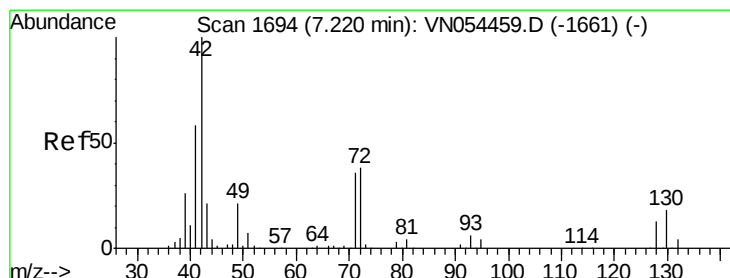
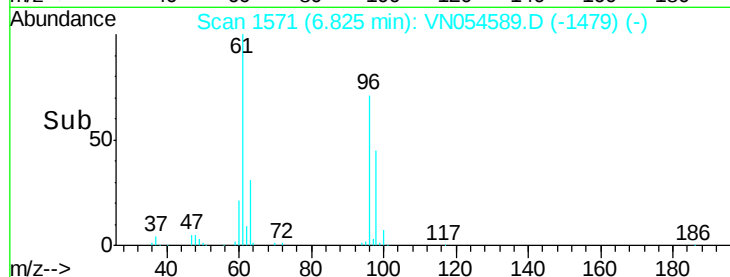
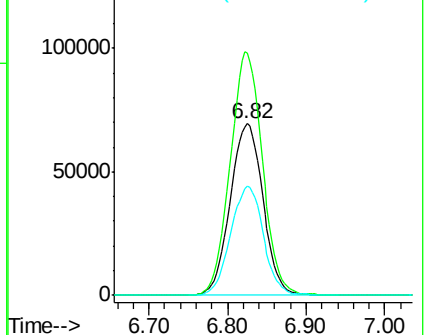
98 63.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#29

Tetrahydrofuran

Concen: 0.259 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

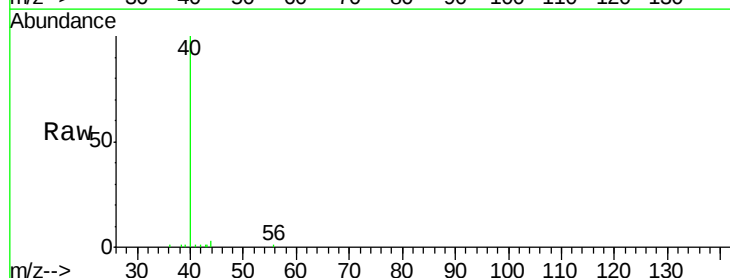
Tgt Ion: 42 Resp: 458

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

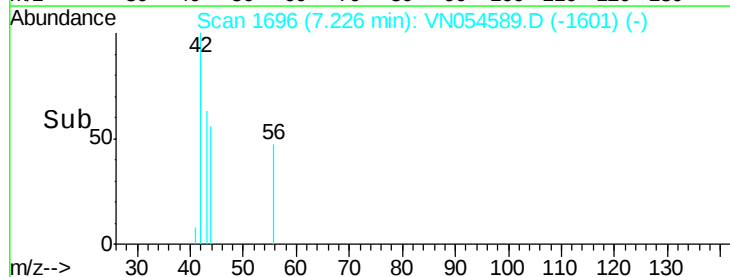
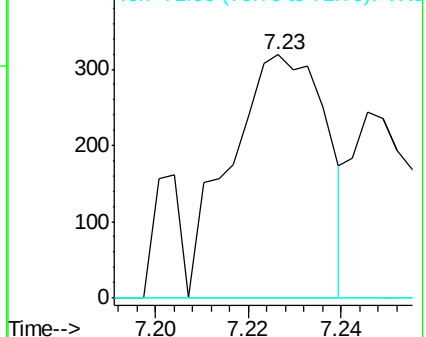
71 0.0 36.2 54.2#

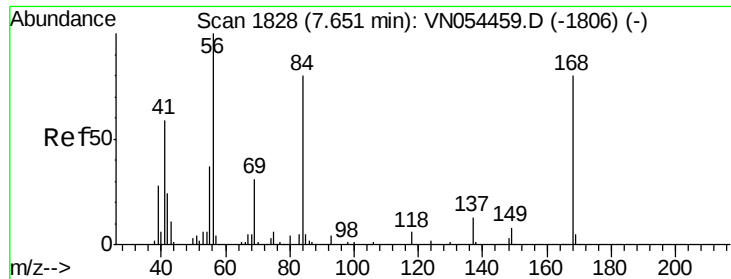


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

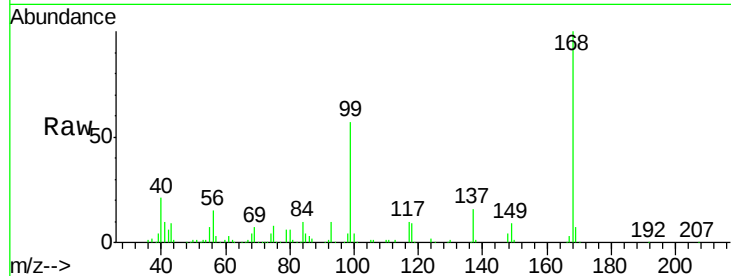




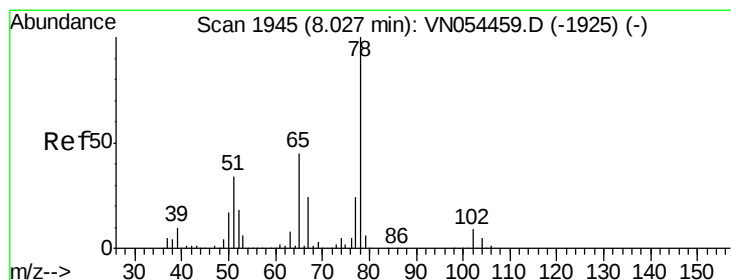
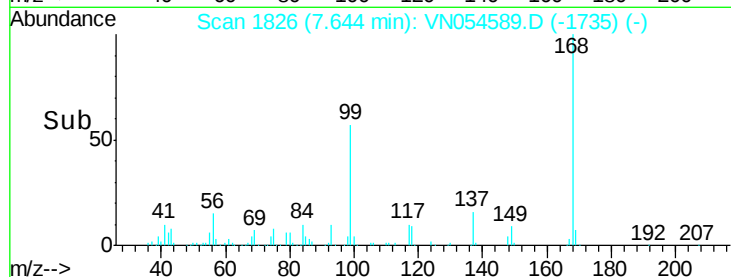
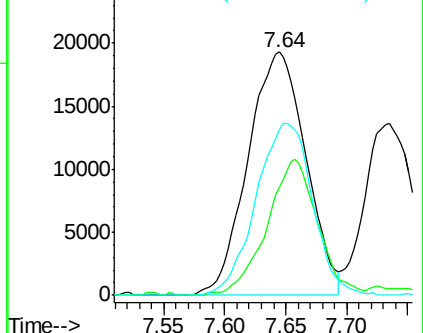
#31
Cyclohexane
Concen: 4.348 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

Tot Ion: 56 Resp: 63472
Ion Ratio Lower Upper
56 100
69 44.5 27.8 41.6#
84 68.1 74.6 111.8#

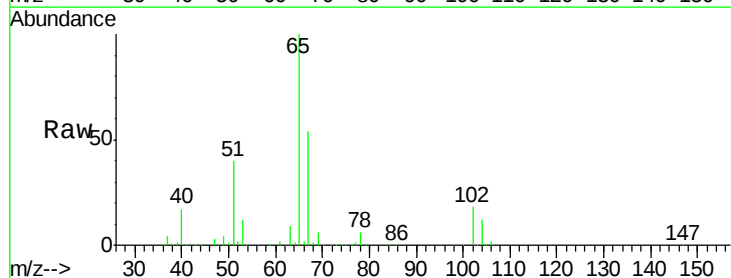


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

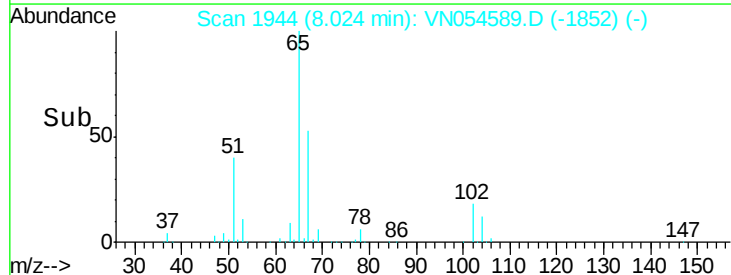
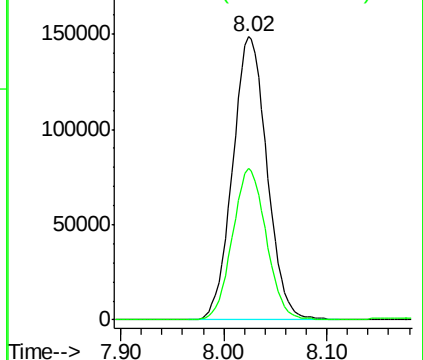


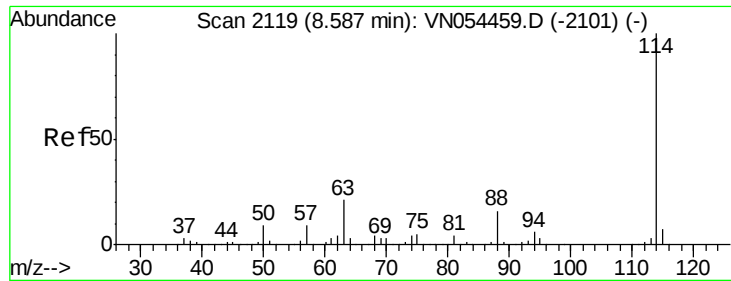
#33
1,2-Dichloroethane-d4
Concen: 48.806 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion: 65 Resp: 344911
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6



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

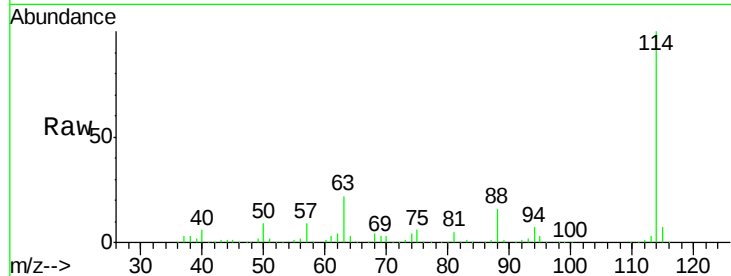




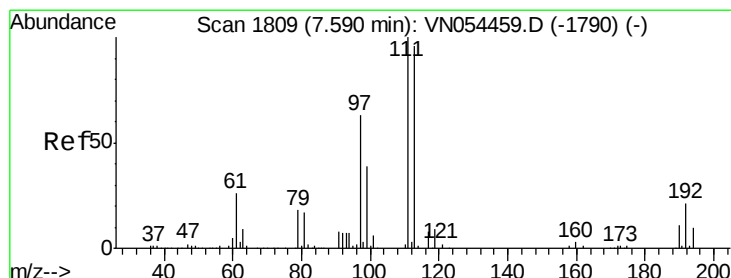
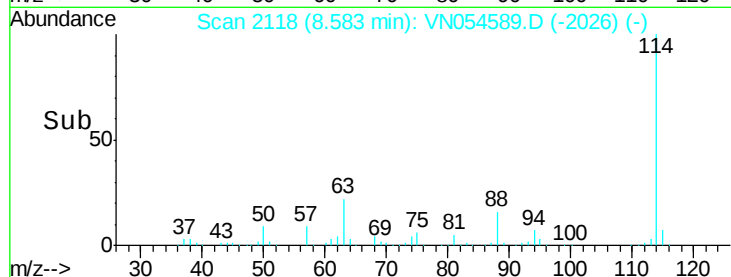
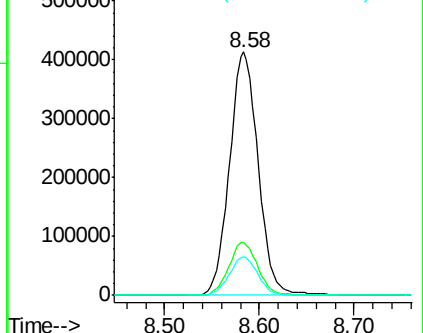
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

Tot Ion:114 Resp: 869581
Ion Ratio Lower Upper
114 100
63 21.9 0.0 35.2
88 16.0 0.0 30.2

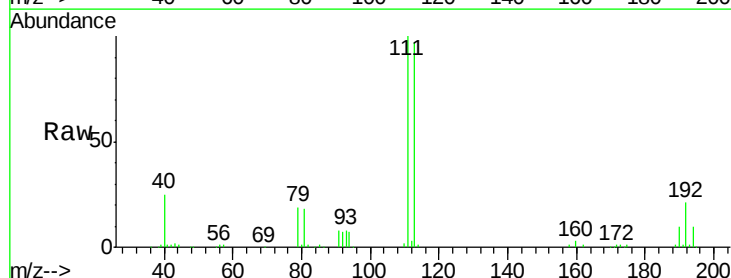


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

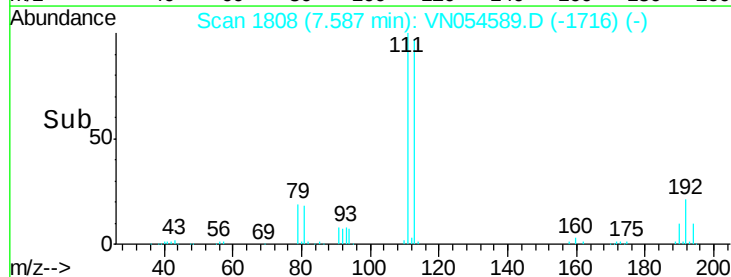
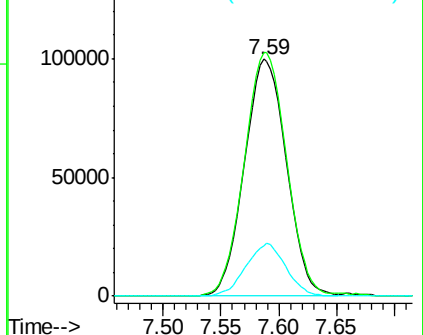


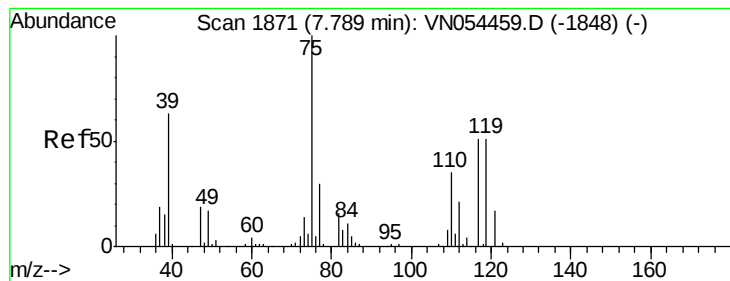
#35
Dibromofluoromethane
Concen: 45.012 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion:113 Resp: 252167
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 21.1 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

WP022SB436-190320-(22-24)

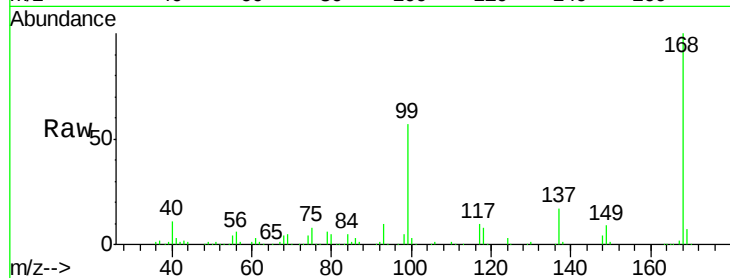
Tot Ion: 75 Resp: 43684

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.5#

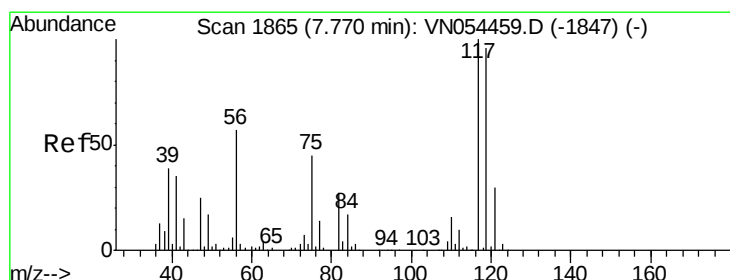
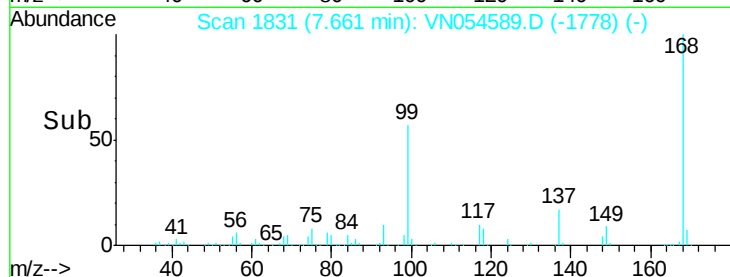
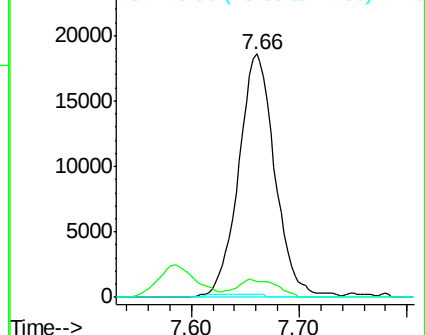
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.731 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

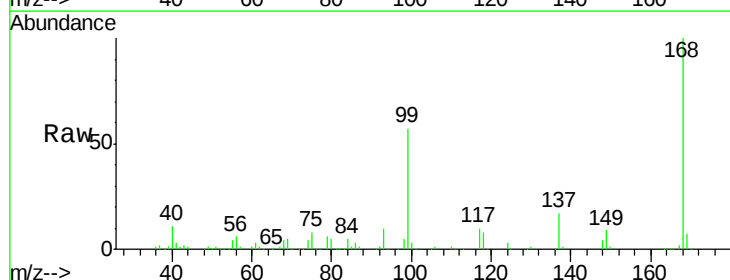
Tgt Ion: 117 Resp: 53186

Ion Ratio Lower Upper

117 100

119 4.1 76.3 114.5#

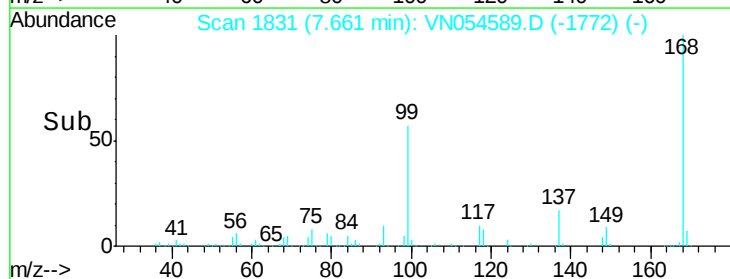
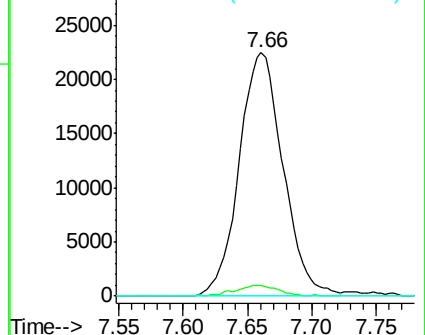
121 0.0 24.6 36.8#

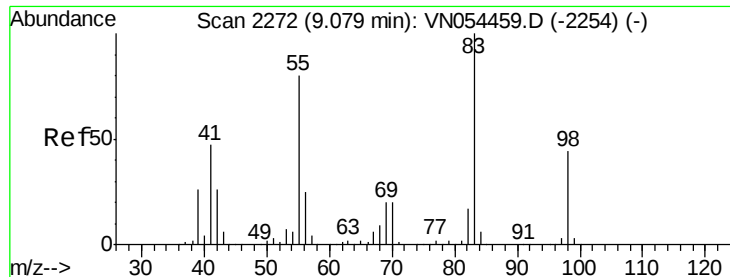


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

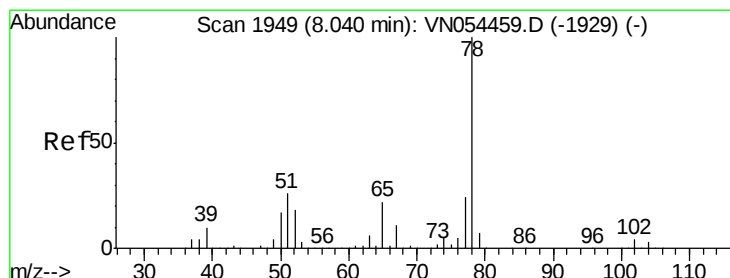
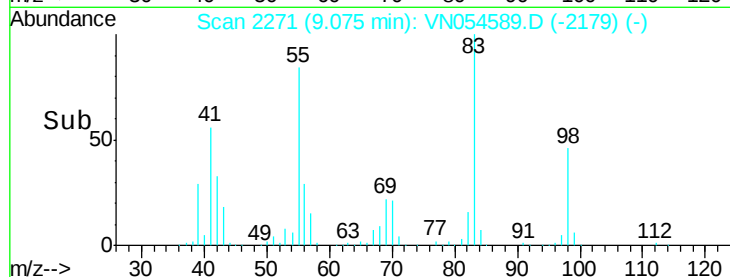
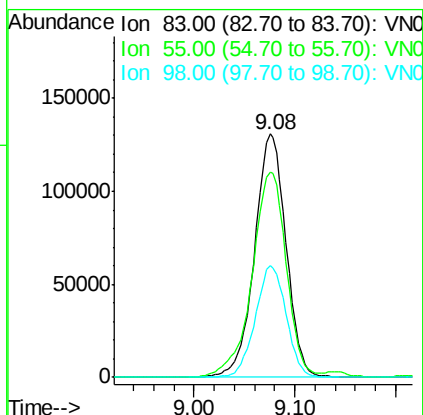
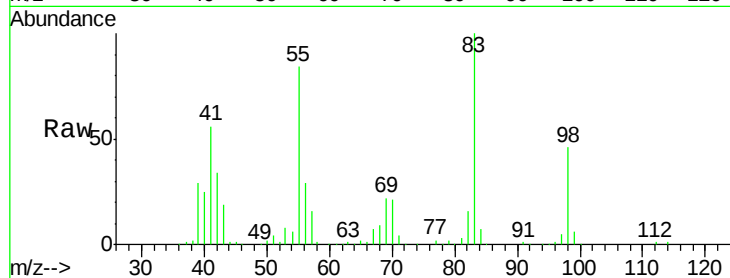




#39
Methvlcvclohexane
Concen: 30.437 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

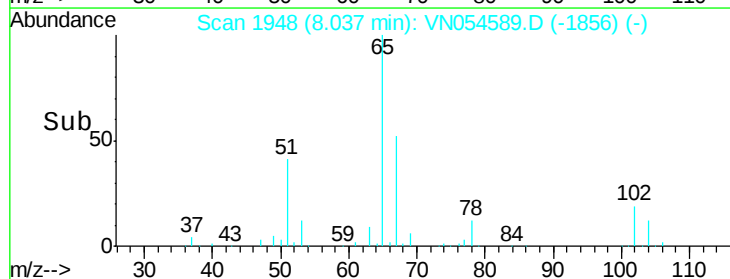
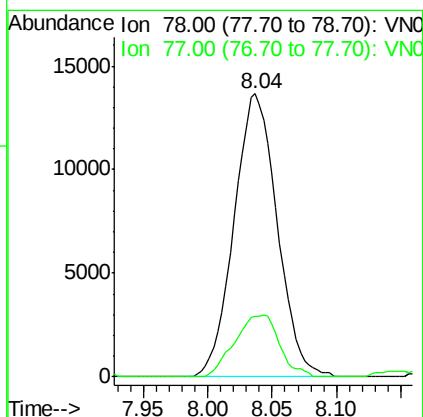
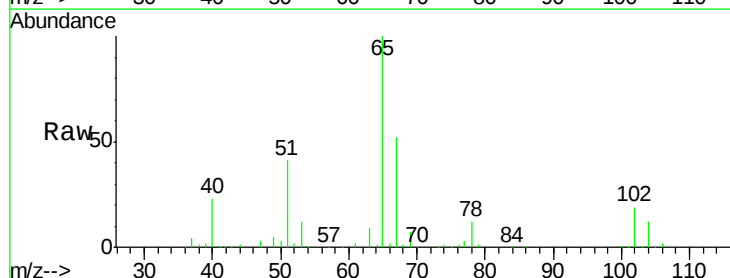
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

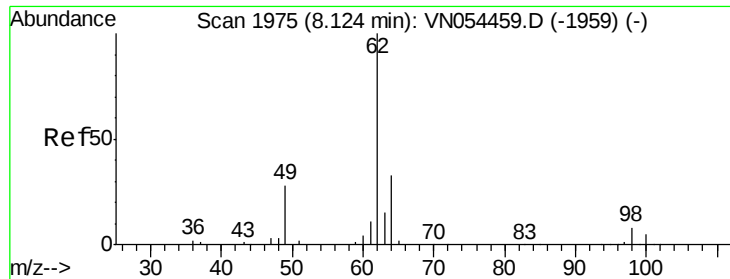
Tot Ion: 83 Resp: 283083
Ion Ratio Lower Upper
83 100
55 84.2 56.6 84.8
98 46.0 38.4 57.6



#40
Benzene
Concen: 1.369 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion: 78 Resp: 31823
Ion Ratio Lower Upper
78 100
77 21.6 19.1 28.7





#42

1,2-Dichloroethane

Concen: 0.647 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

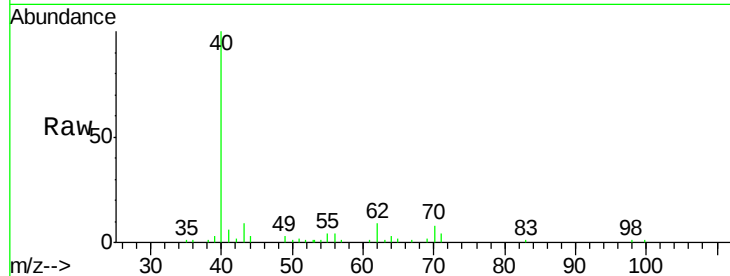
WP022SB436-190320-(22-24)

Tot Ion: 62 Resp: 5480

Ion Ratio Lower Upper

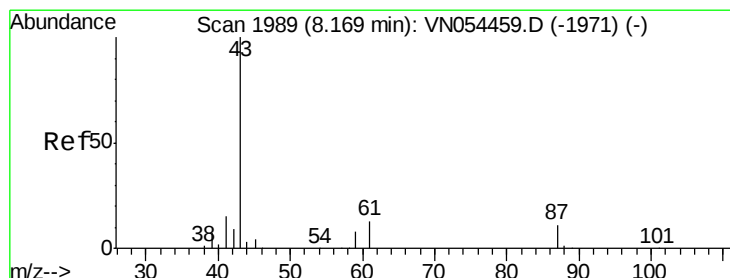
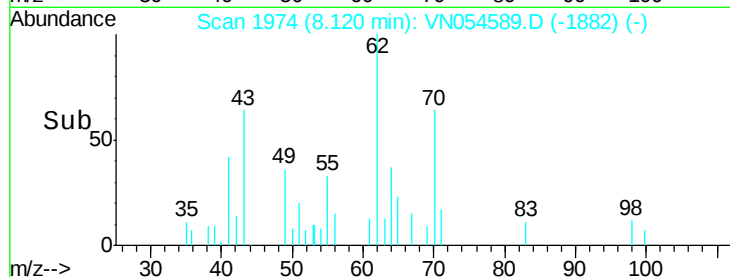
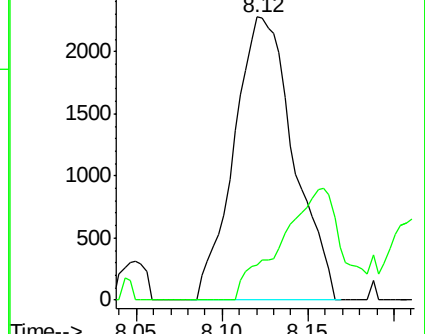
62 100

98 0.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 1.112 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

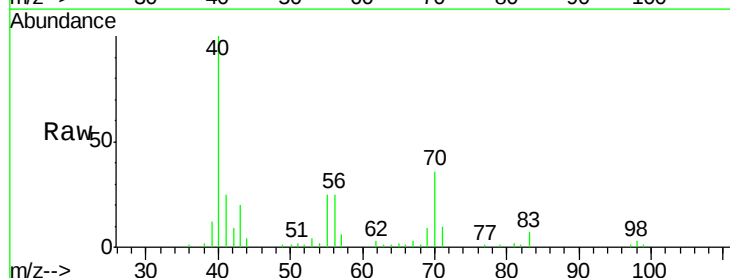
Tgt Ion: 43 Resp: 10856

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

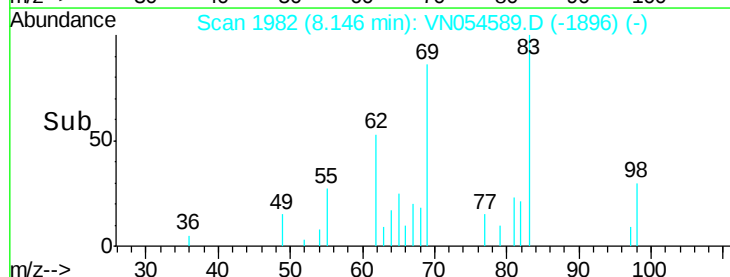
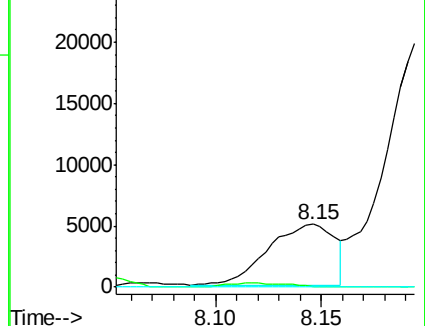
87 0.0 12.0 18.0#

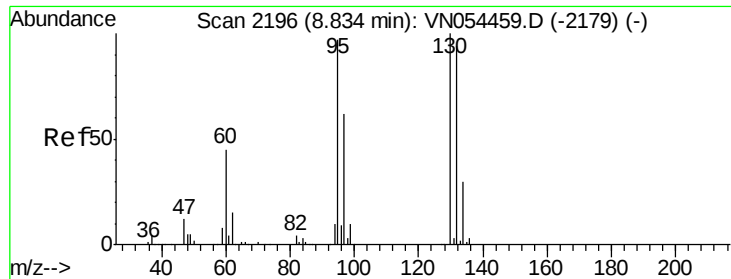


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#44

Trichloroethene

Concen: 0.420 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

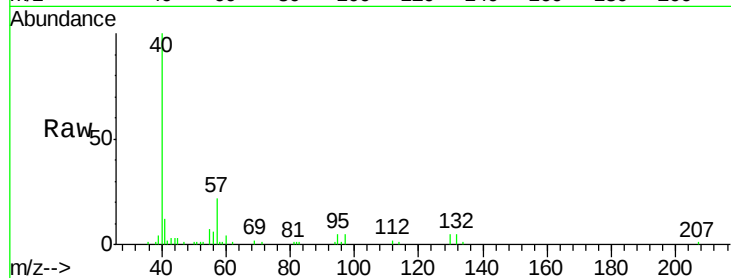
WP022SB436-190320-(22-24)

Tot Ion:130 Resp: 2714

Ion Ratio Lower Upper

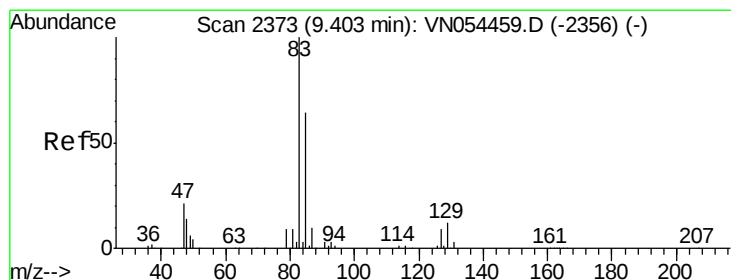
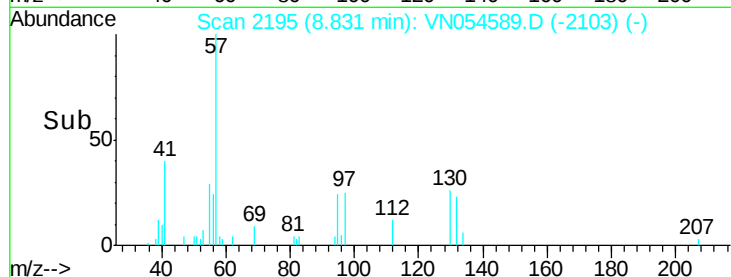
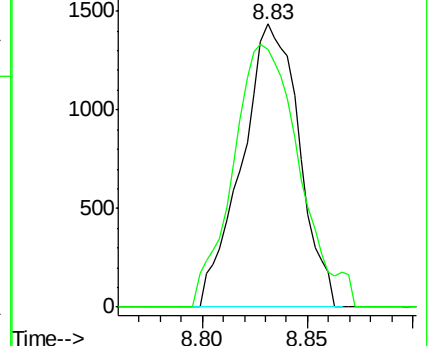
130 100

95 90.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#47

Bromodichloromethane

Concen: 0.261 ug/l

RT: 9.36 min Scan# 2360

Delta R.T. -0.04 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

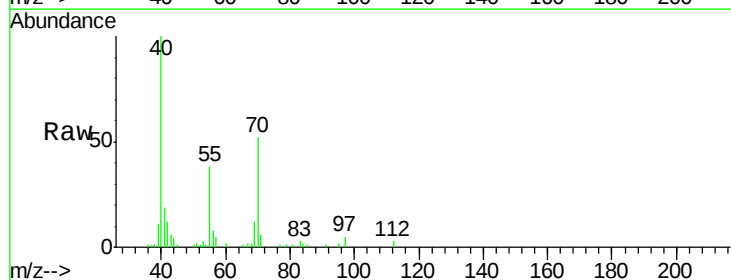
Tgt Ion: 83 Resp: 2017

Ion Ratio Lower Upper

83 100

85 32.6 52.8 79.2#

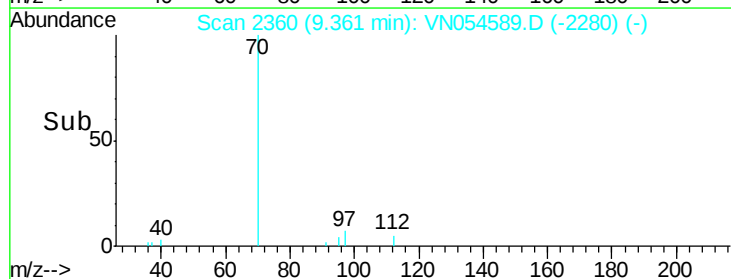
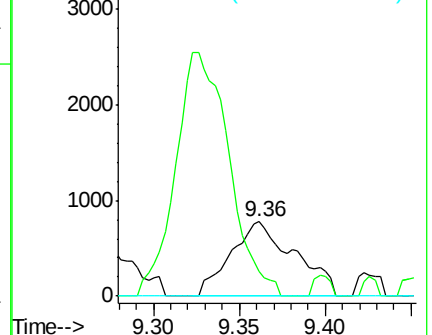
127 0.0 7.4 11.2#

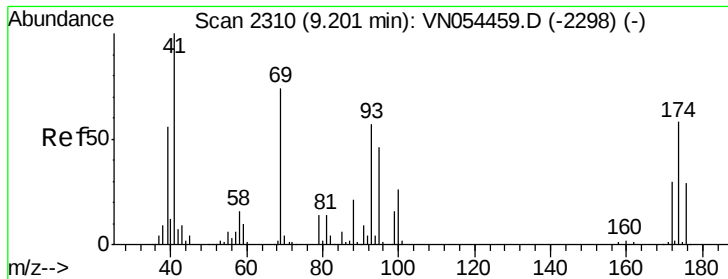


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 1.397 ug/l

RT: 9.22 min Scan# 2315

Delta R.T. 0.02 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

WP022SB436-190320-(22-24)

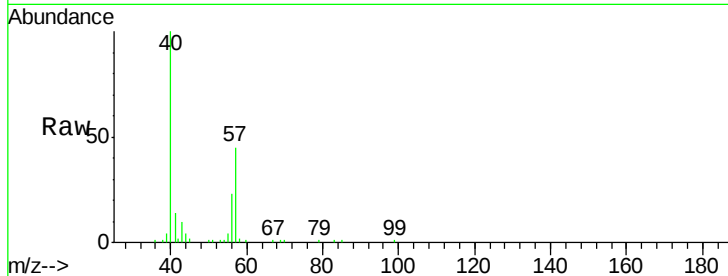
Tot Ion: 41 Resp: 7404

Ion Ratio Lower Upper

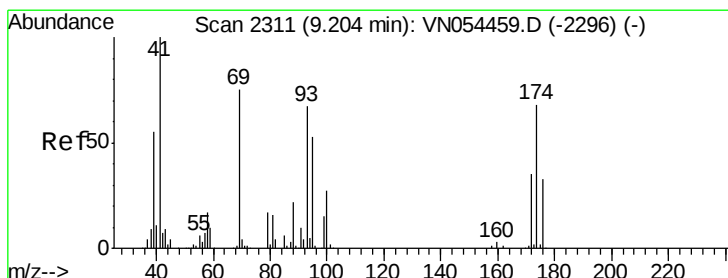
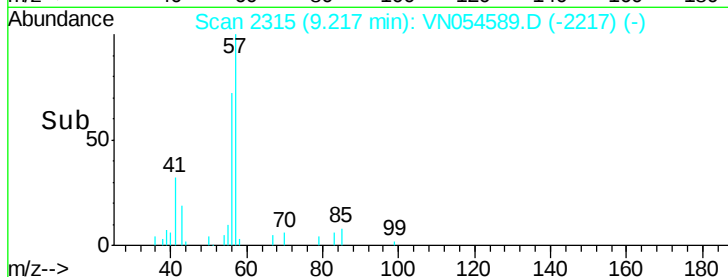
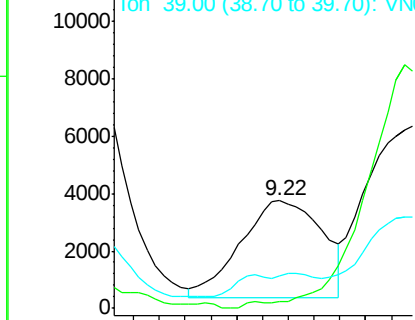
41 100

69 0.0 72.6 108.8#

39 0.0 47.5 71.3#



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



#49

1,4-Dioxane

Concen: 2.194 ug/l

RT: 9.48 min Scan# 2398

Delta R.T. 0.28 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

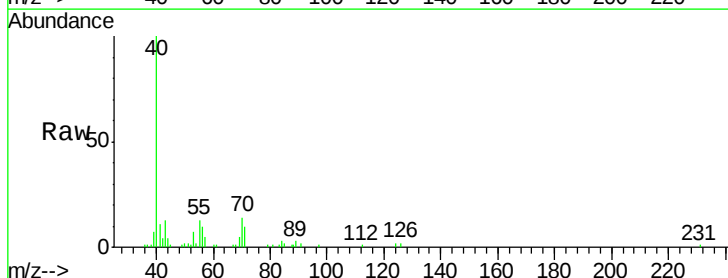
Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

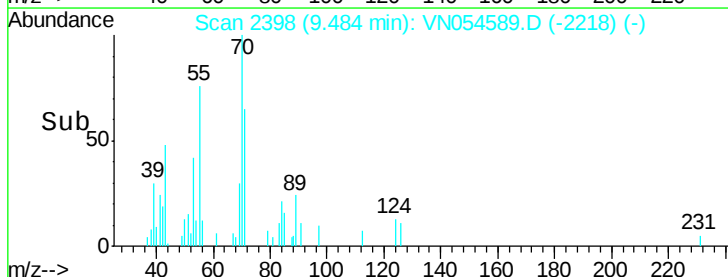
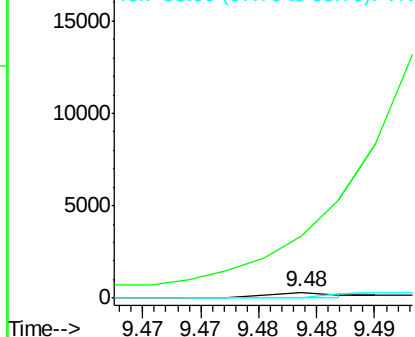
88 100

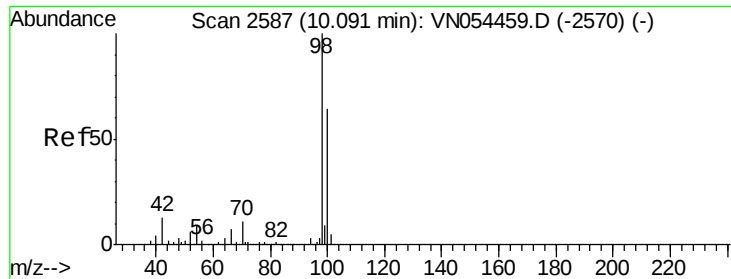
43 0.0 24.1 36.1#

58 0.0 50.8 76.2#



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

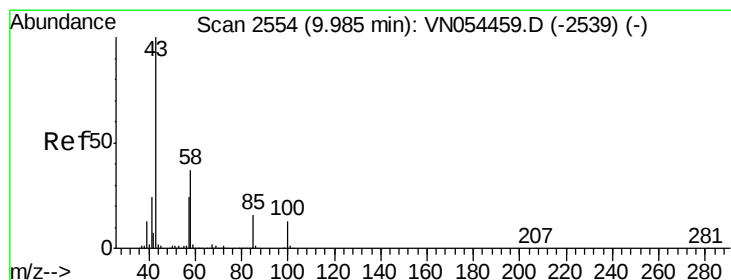
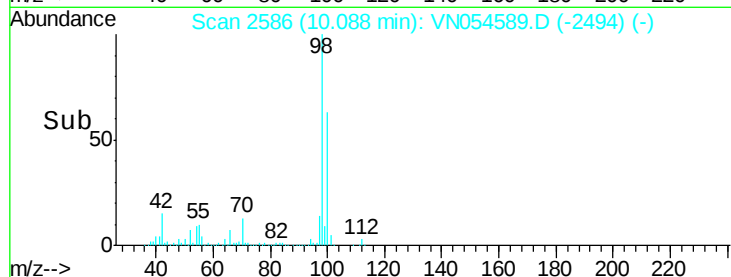
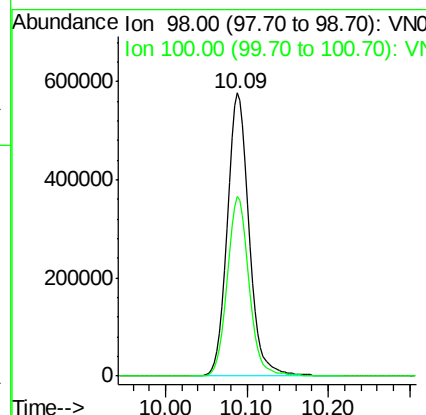
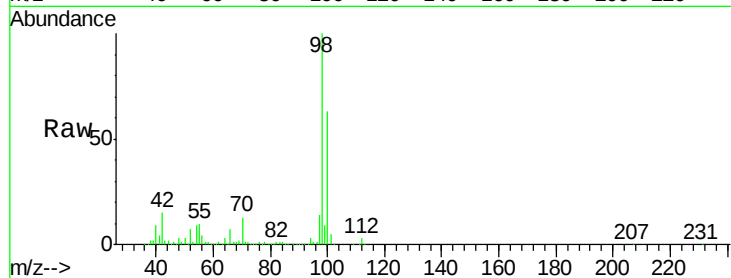




#50
Toluene-d8
Concen: 52.042 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

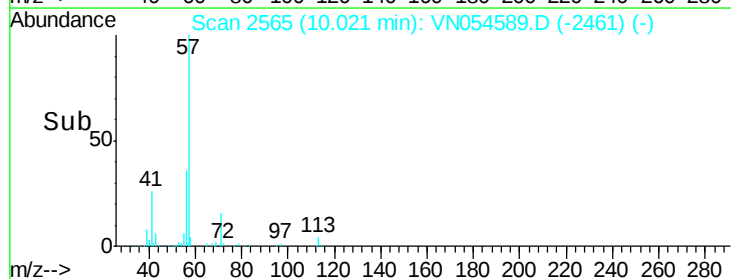
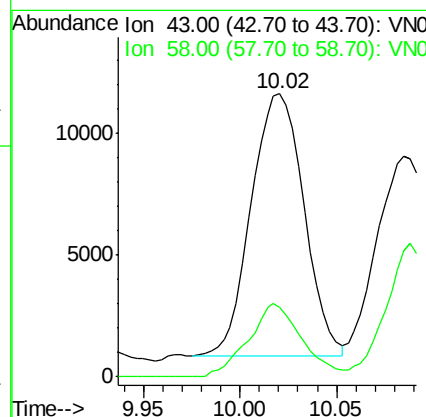
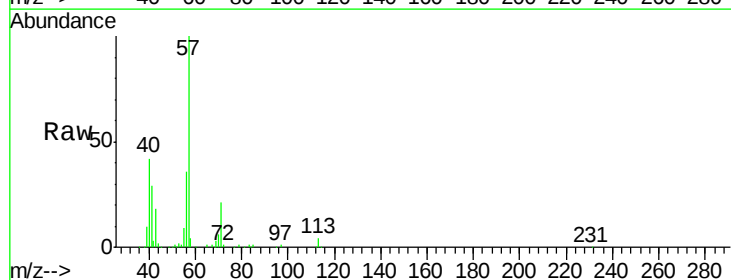
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

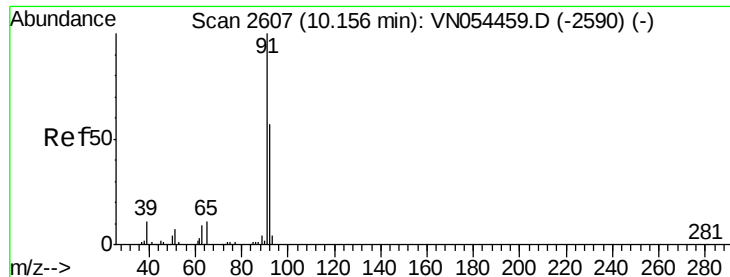
Tot Ion: 98 Resp: 1096058
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 3.757 ug/l
RT: 10.02 min Scan# 2565
Delta R.T. 0.04 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion: 43 Resp: 20334
Ion Ratio Lower Upper
43 100
58 28.3 31.8 47.6#





#52

Toluene

Concen: 2.642 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

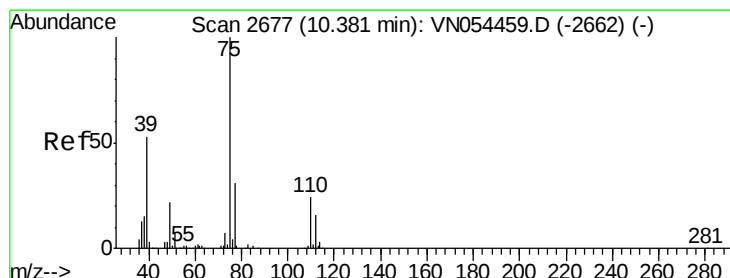
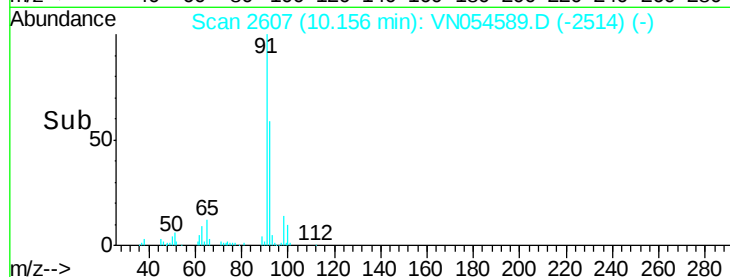
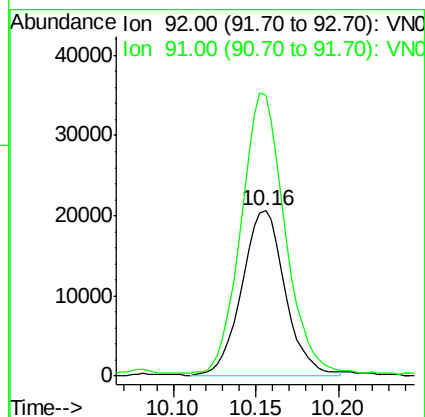
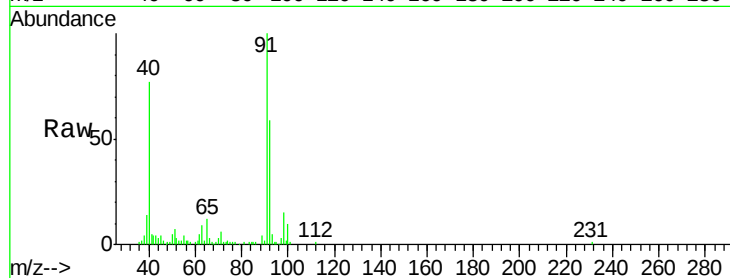
WP022SB436-190320-(22-24)

Tot Ion: 92 Resp: 37781

Ion Ratio Lower Upper

92 100

91 170.8 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.239 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054589.D

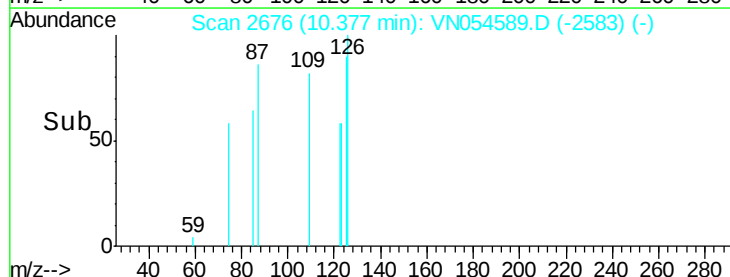
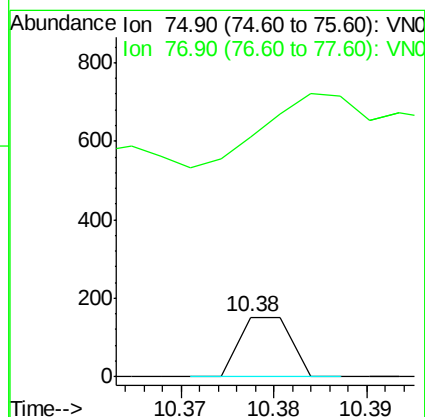
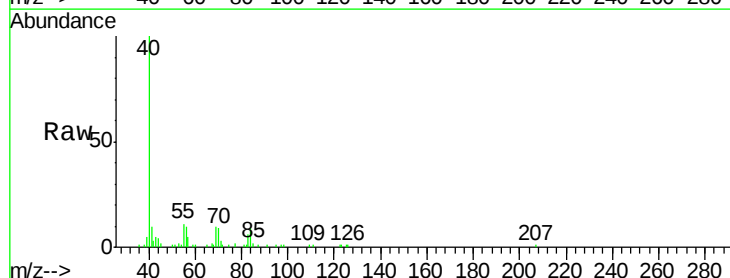
Acq: 23 Mar 2019 6:28

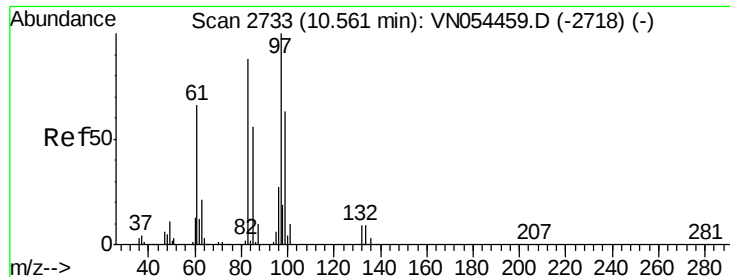
Tgt Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

77 52.0 25.8 38.8#

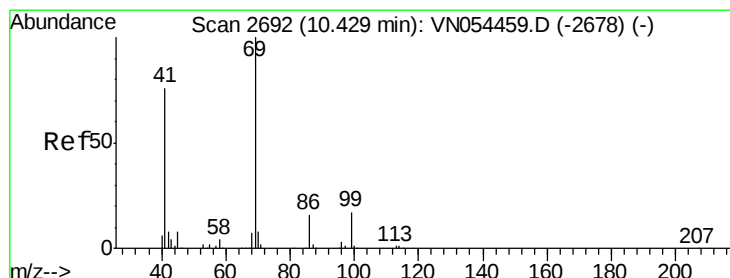
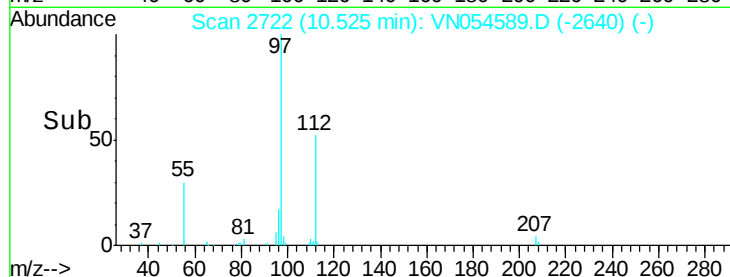
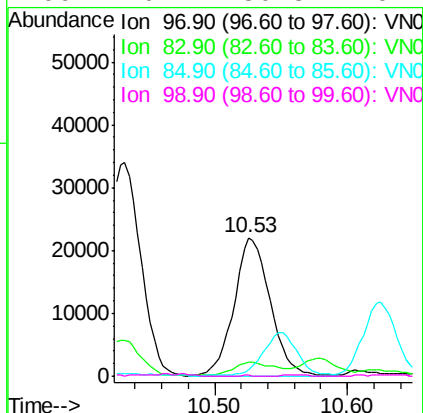
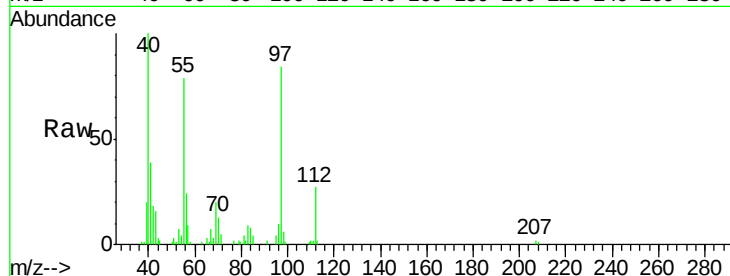




#55
 1,1,2-Trichloroethane
 Concen: 8.183 ug/l
 RT: 10.53 min Scan# 2722
 Delta R.T. -0.04 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

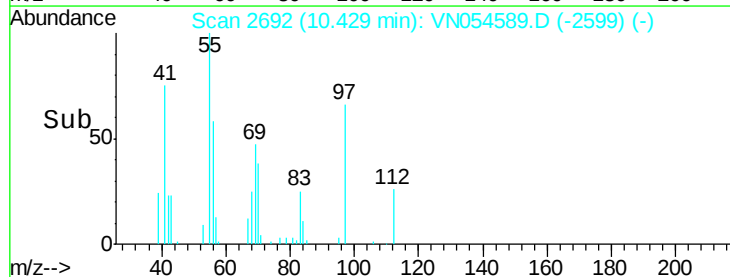
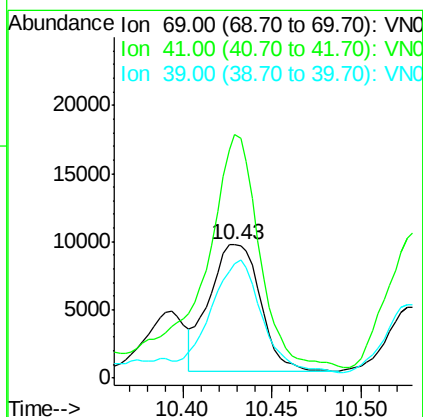
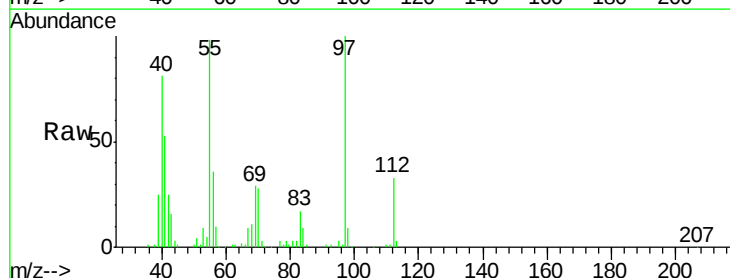
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)

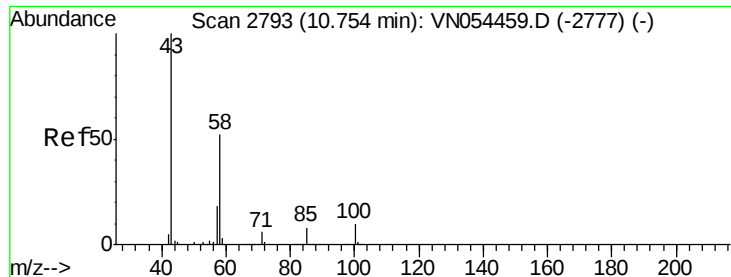
Tot Ion:	97	Resp:	42063
Ion	Ratio	Lower	Upper
97	100		
83	9.0	66.6	100.0#
85	3.4	44.4	66.6#
99	0.7	50.8	76.2#



#56
 Ethyl methacrylate
 Concen: 2.692 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

Tgt Ion:	69	Resp:	18575
Ion	Ratio	Lower	Upper
69	100		
41	195.7	49.4	74.2#
39	88.7	28.3	42.5#

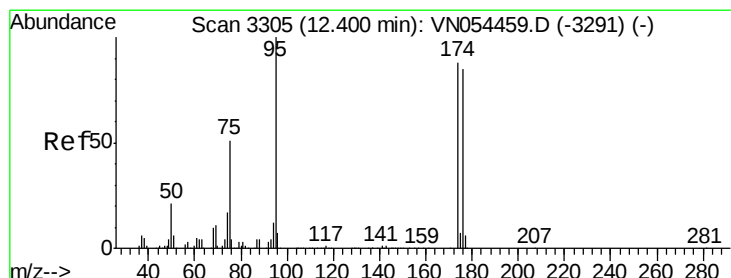
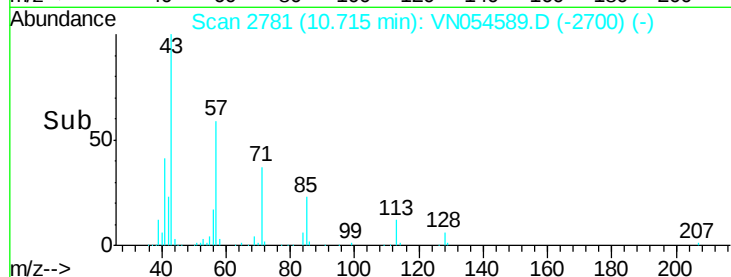
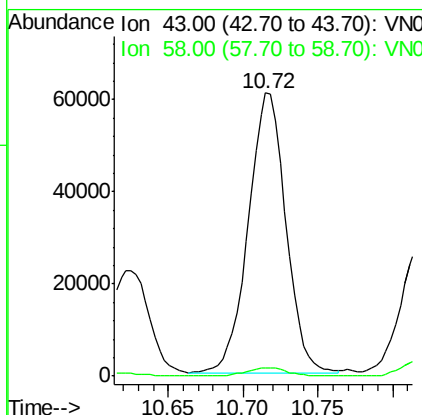
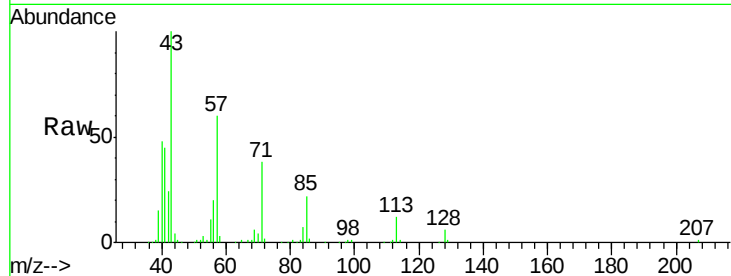




#59
2-Hexanone
Concen: 29.887 ug/l
RT: 10.72 min Scan# 2781
Delta R.T. -0.04 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

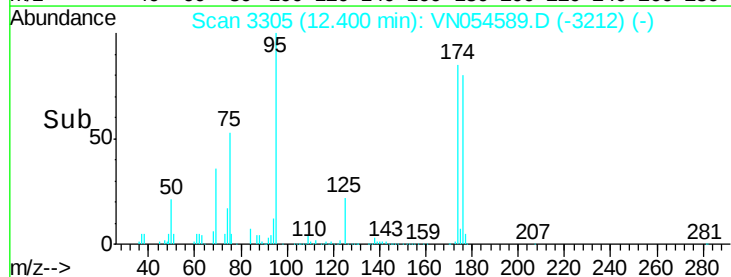
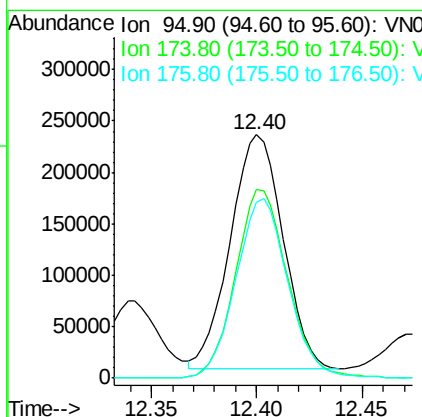
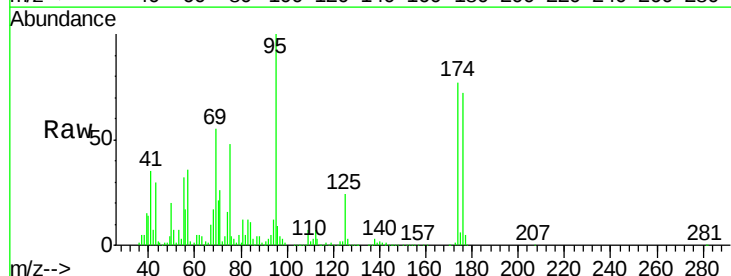
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

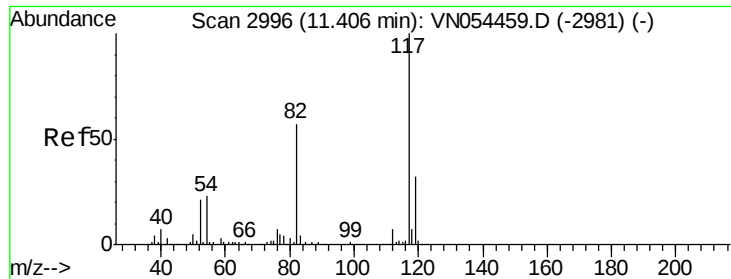
Tot Ion: 43 Resp: 105661
Ion Ratio Lower Upper
43 100
58 3.2 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 55.111 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion: 95 Resp: 394967
Ion Ratio Lower Upper
95 100
174 80.1 0.0 191.0
176 76.0 0.0 187.4

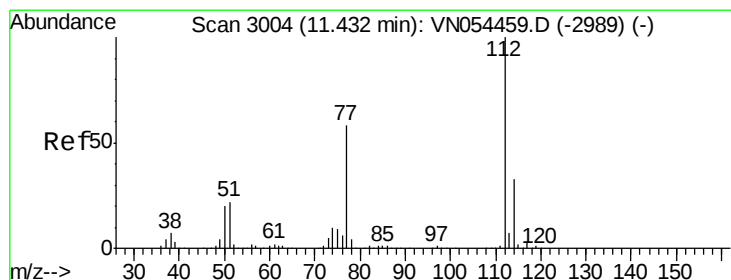
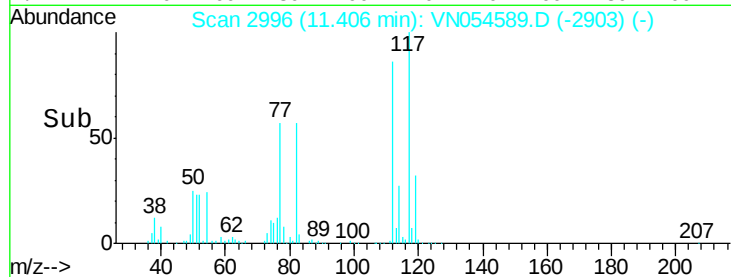
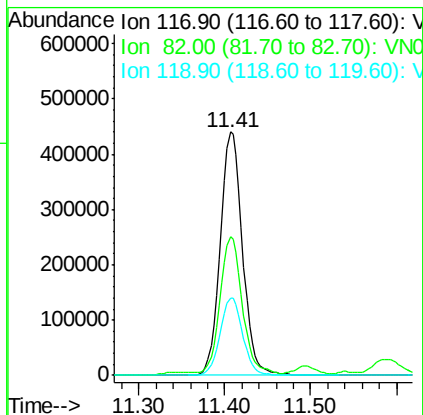
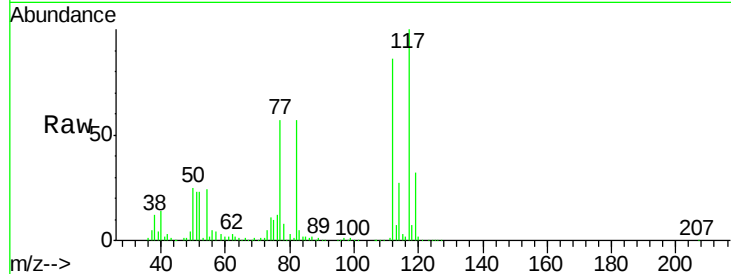




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

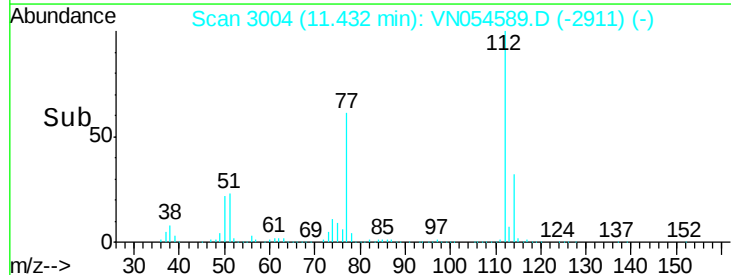
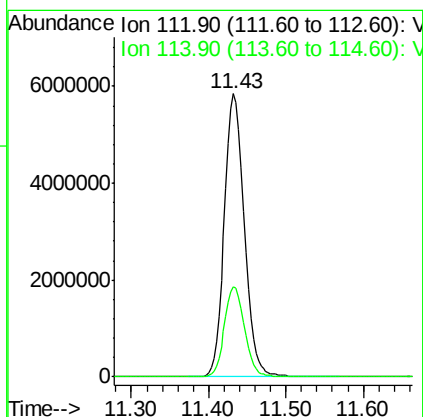
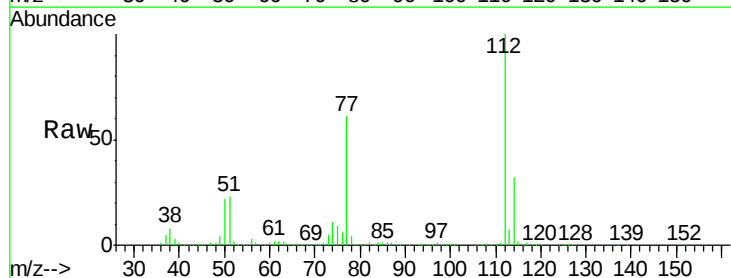
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

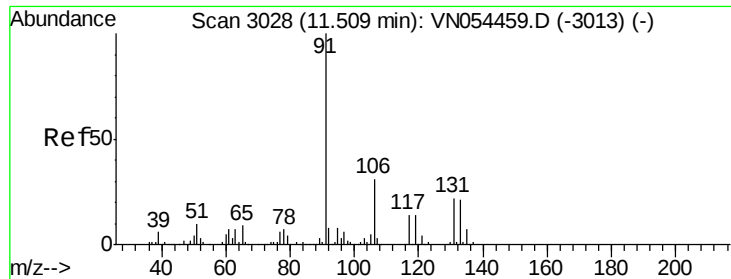
Tot Ion:117 Resp: 791080
Ion Ratio Lower Upper
117 100
82 55.8 40.0 60.0
119 31.6 25.8 38.6



#65
Chlorobenzene
Concen: 653.579 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion:112 Resp:10515836
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

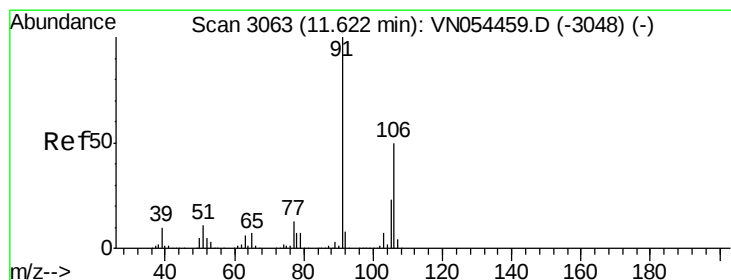
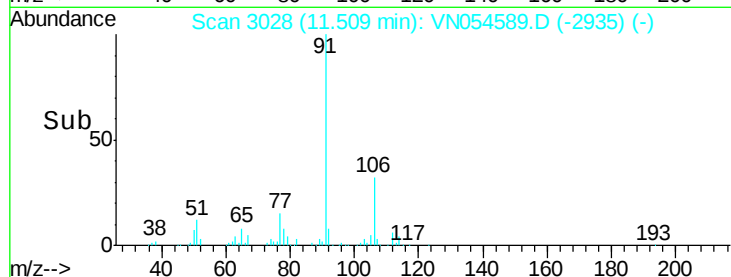
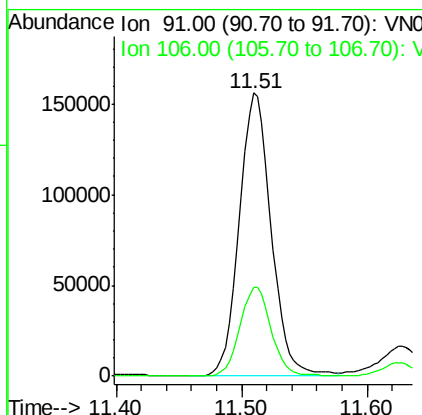
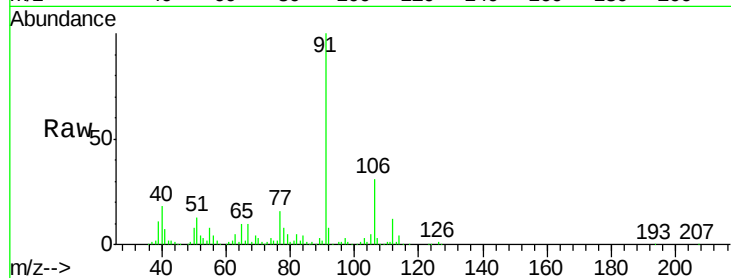




#67
Ethyl Benzene
Concen: 9.712 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

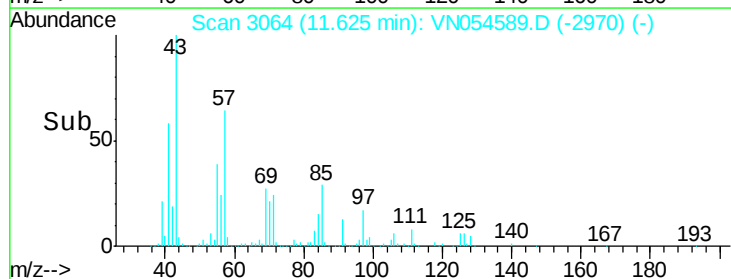
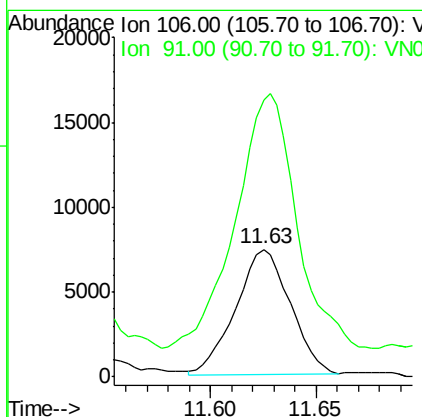
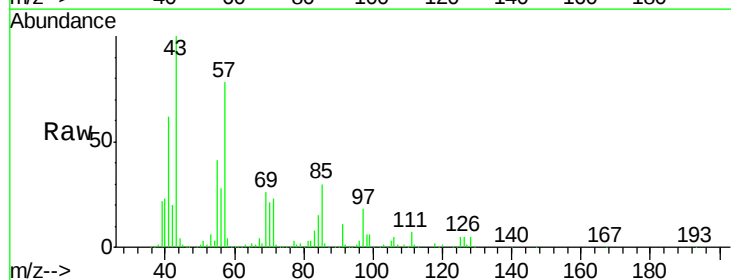
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

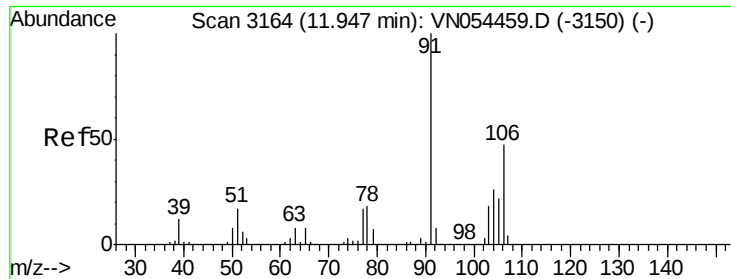
Tot Ion: 91 Resp: 276015
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



#68
m/p-Xylenes
Concen: 1.227 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion: 106 Resp: 13212
Ion Ratio Lower Upper
106 100
91 243.1 159.4 239.2#

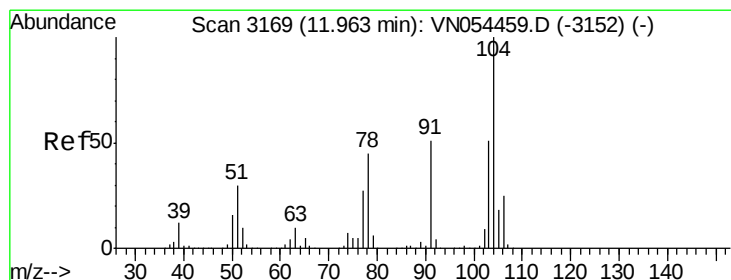
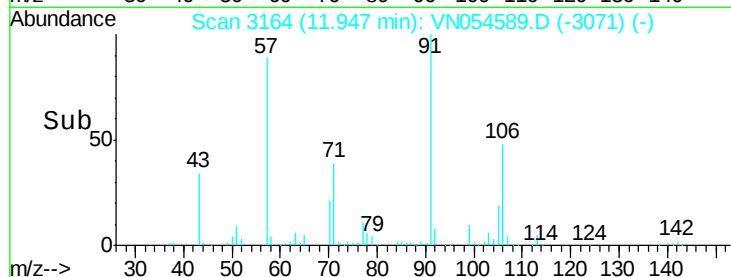
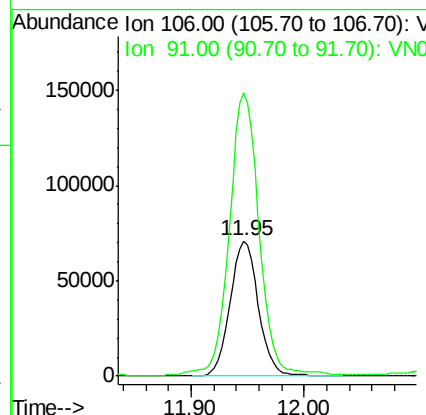
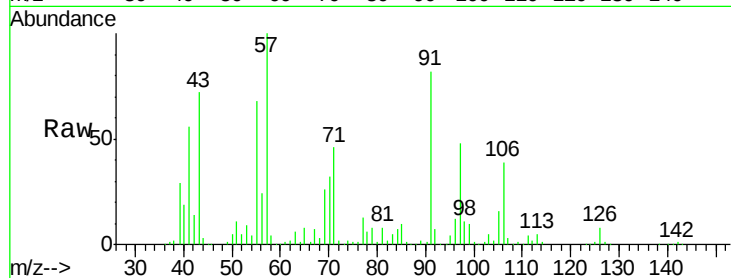




#69
o-Xylene
Concen: 11.749 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

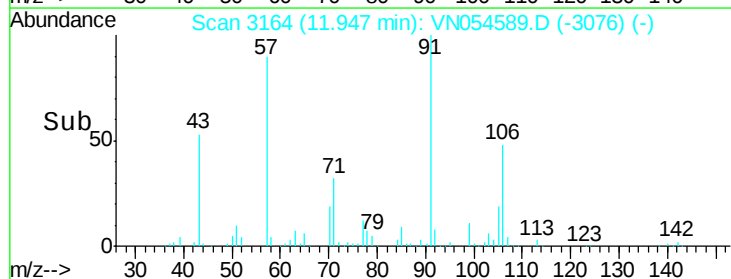
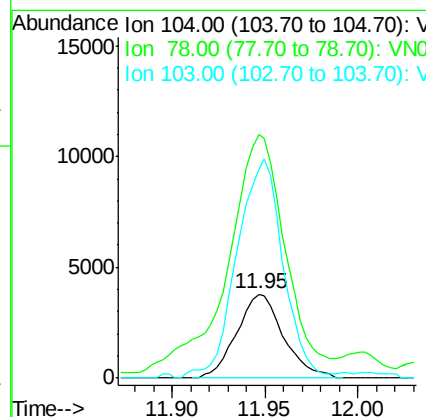
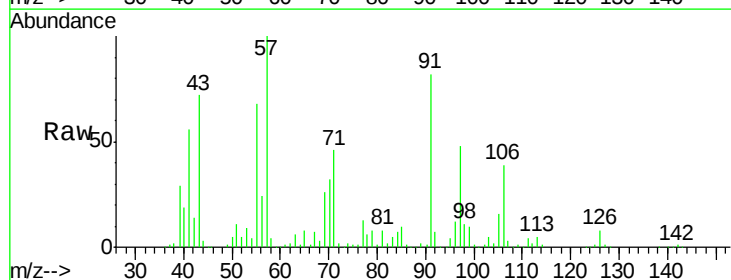
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

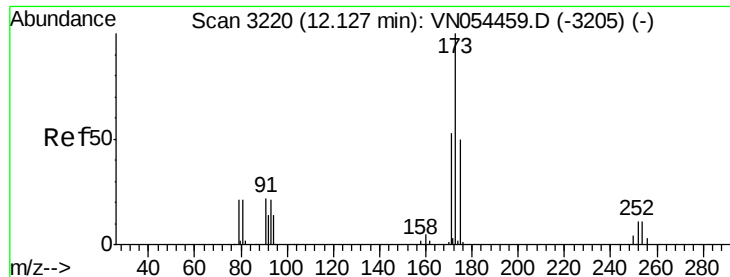
Tot Ion:106 Resp: 123520
Ion Ratio Lower Upper
106 100
91 220.6 105.7 317.1



#70
Styrene
Concen: 0.389 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion:104 Resp: 6635
Ion Ratio Lower Upper
104 100
78 349.7 38.2 57.2#
103 257.3 44.4 66.6#

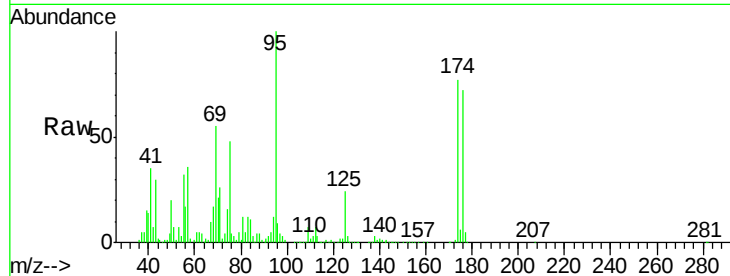




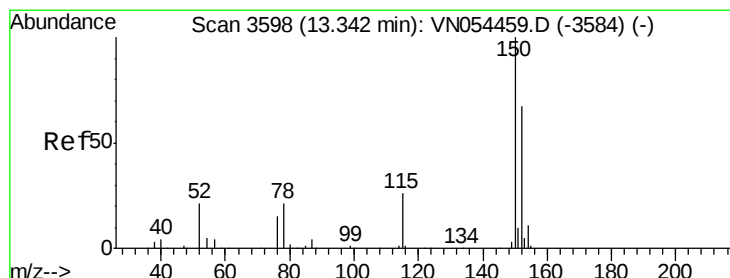
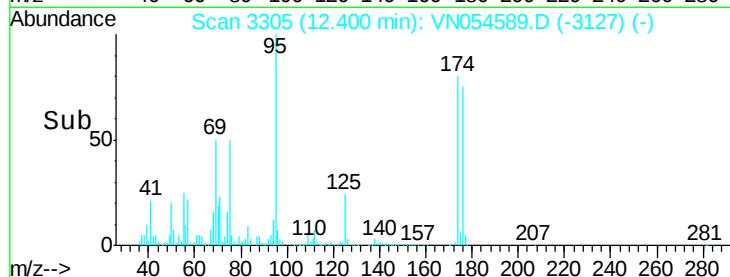
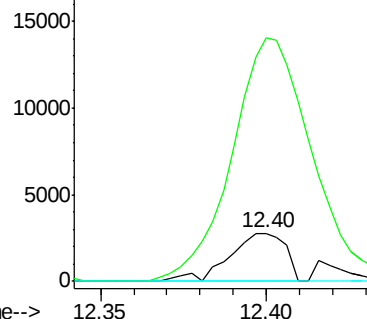
#71
Bromoform
Concen: 3.007 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

Tot Ion:173 Resp: 3276
Ion Ratio Lower Upper
173 100
175 614.3 24.4 73.2#
254 0.0 0.1 0.1#

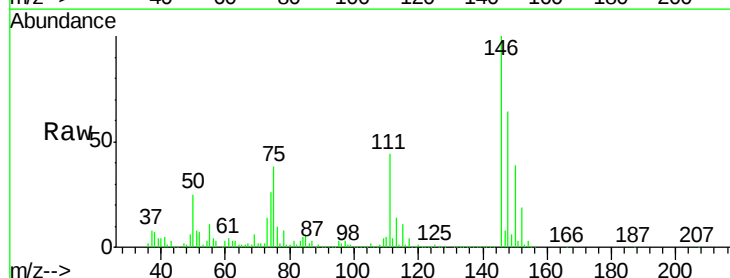


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

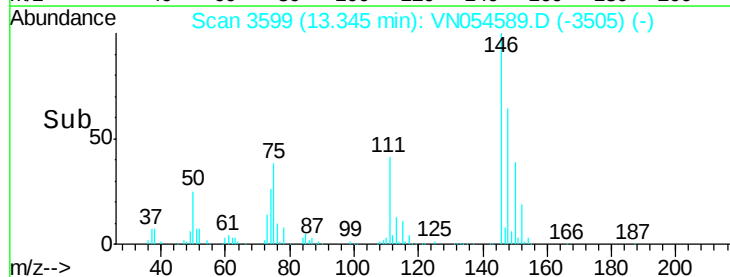
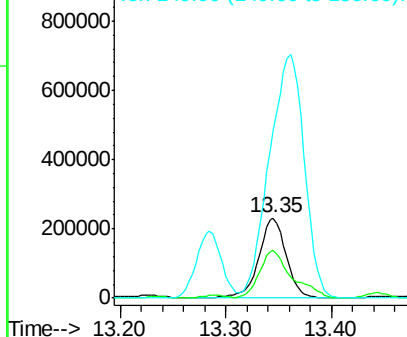


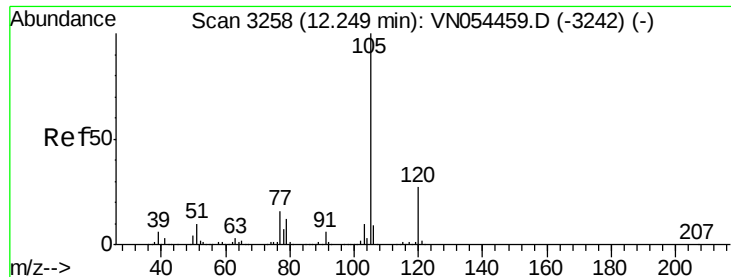
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion:152 Resp: 416855
Ion Ratio Lower Upper
152 100
115 70.0 27.2 81.6
150 386.6 0.0 349.2#



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: 7.004 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

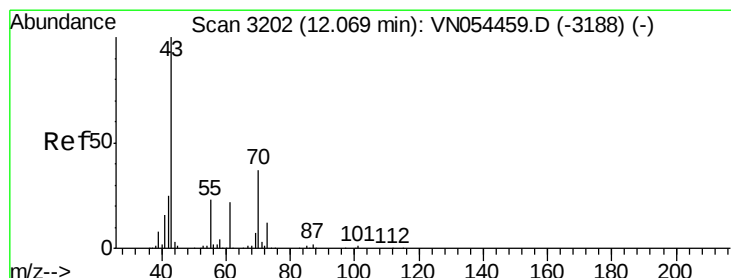
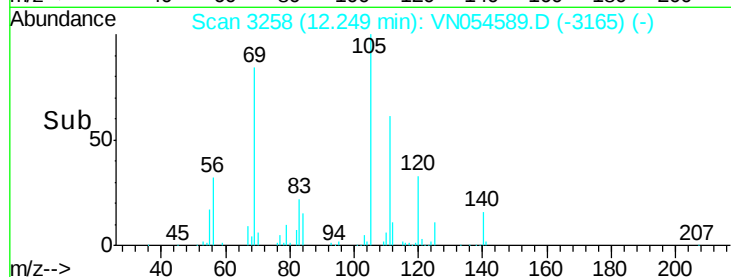
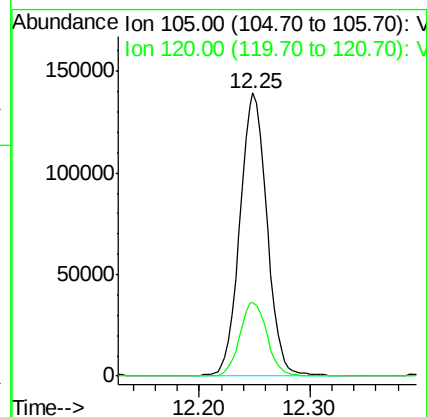
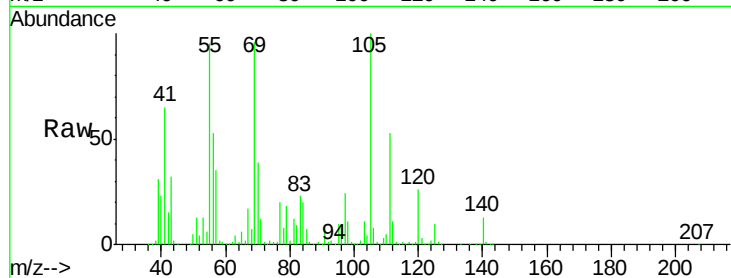
WP022SB436-190320-(22-24)

Tot Ion:105 Resp: 235257

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 77.604 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Tgt Ion: 43 Resp: 749546

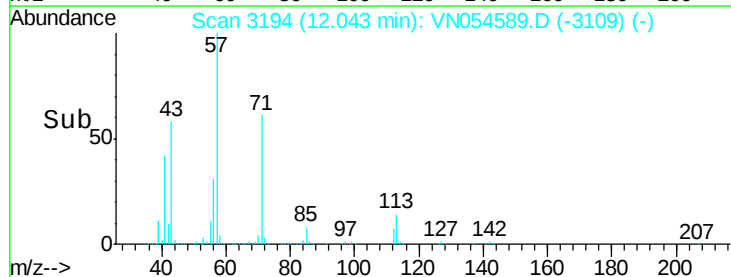
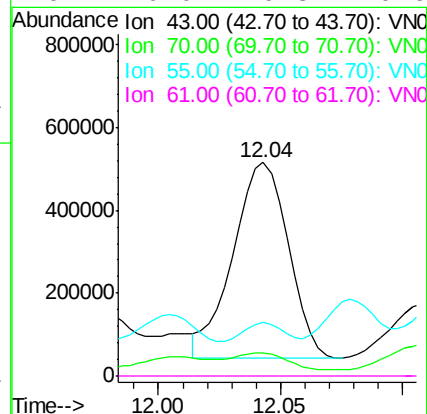
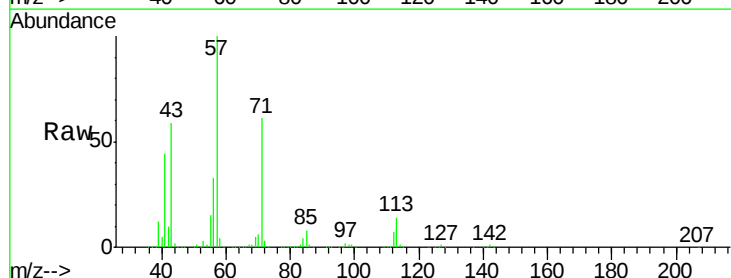
Ion Ratio Lower Upper

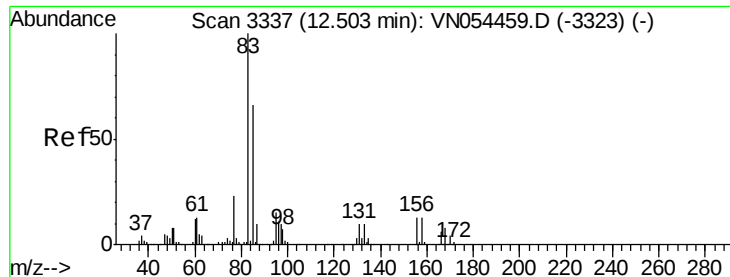
43 100

70 7.7 35.4 53.0#

55 8.4 19.8 29.6#

61 0.0 19.8 29.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.141 ug/l

RT: 12.46 min Scan# 3324

Delta R.T. -0.04 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

WP022SB436-190320-(22-24)

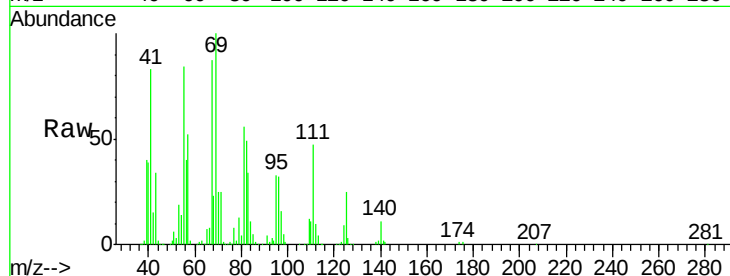
Tot Ion: 83 Resp: 24082

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

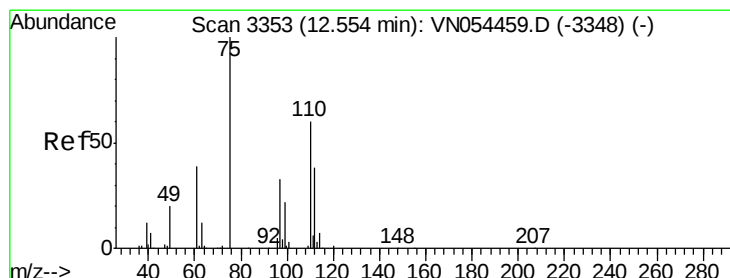
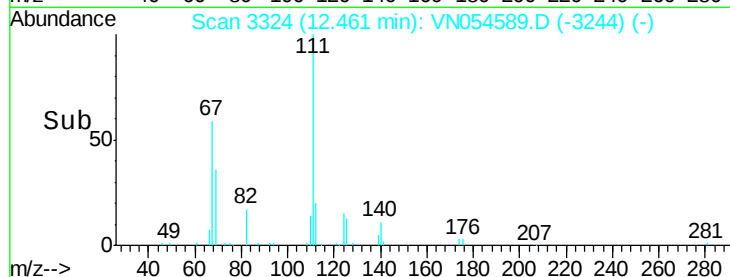
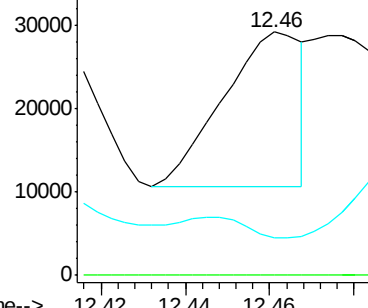
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.814 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054589.D

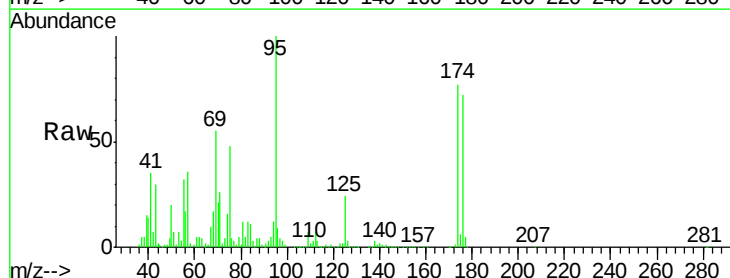
Acq: 23 Mar 2019 6:28

Tgt Ion: 75 Resp: 197217

Ion Ratio Lower Upper

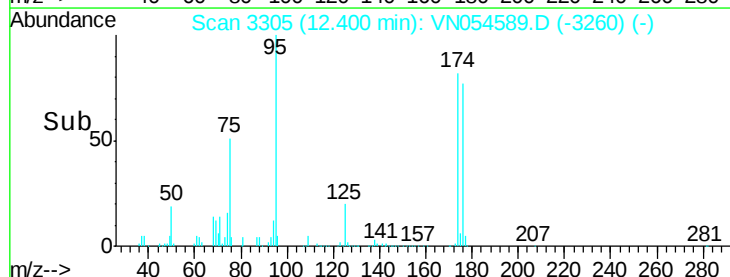
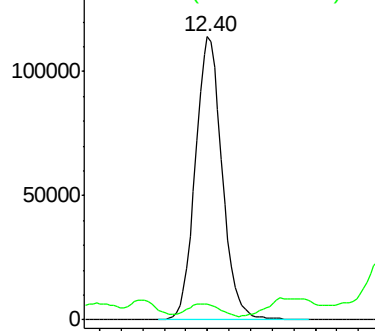
75 100

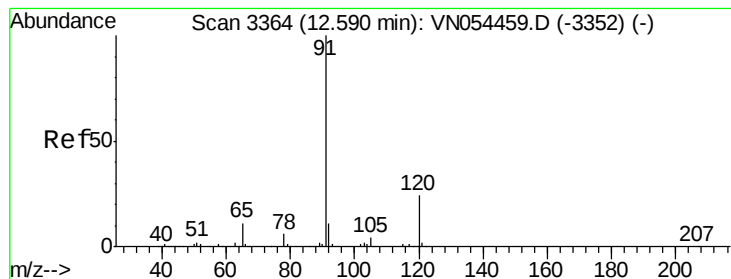
77 5.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 25.656 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

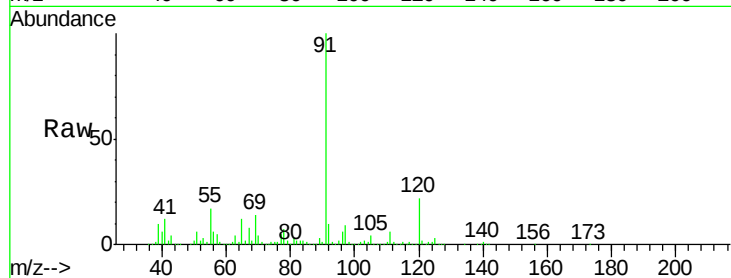
WP022SB436-190320-(22-24)

Tot Ion: 91 Resp: 934528

Ion Ratio Lower Upper

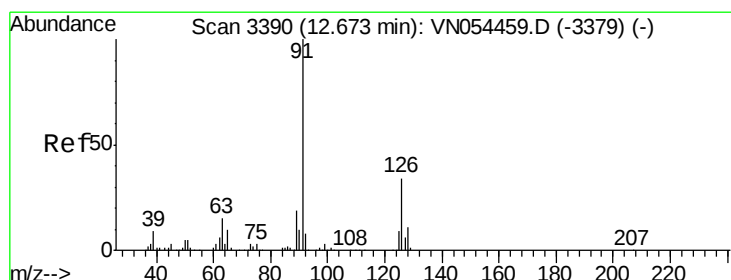
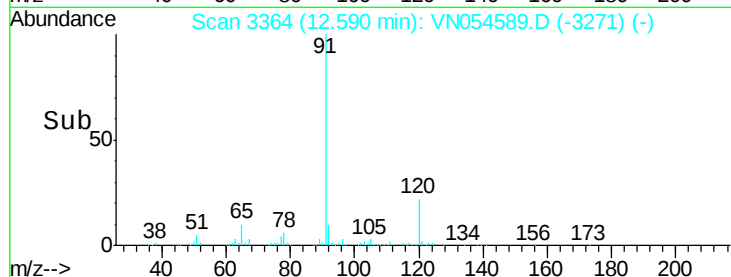
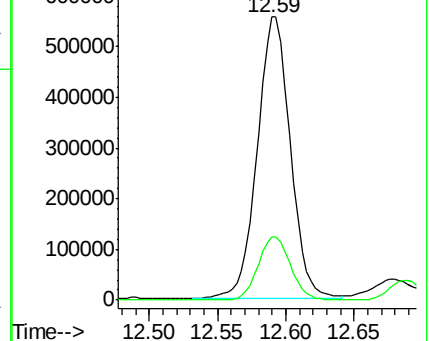
91 100

120 22.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.466 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN054589.D

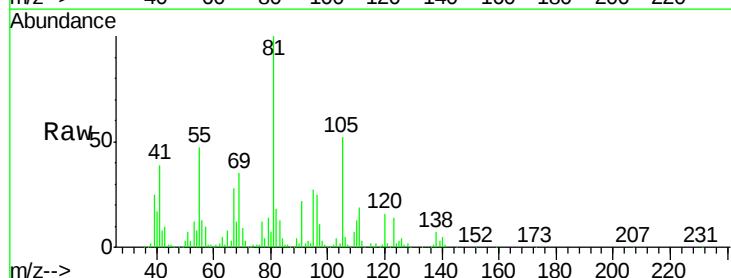
Acq: 23 Mar 2019 6:28

Tgt Ion: 91 Resp: 78732

Ion Ratio Lower Upper

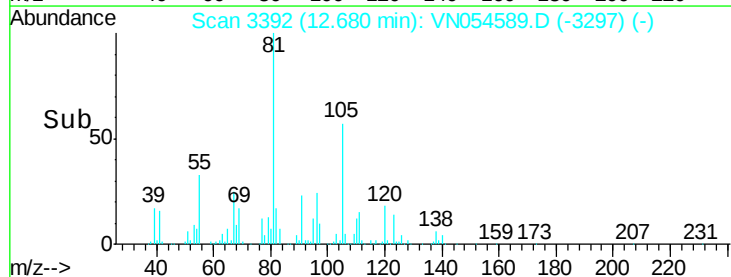
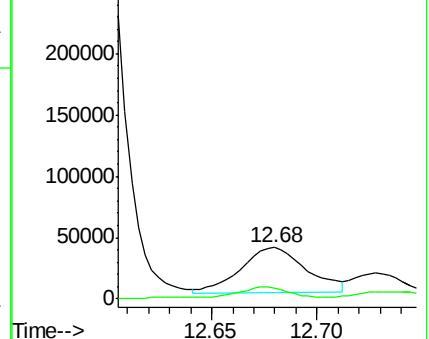
91 100

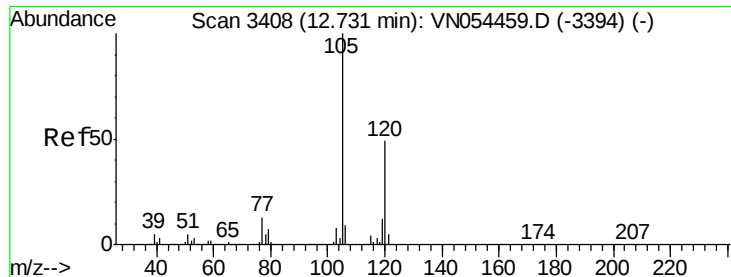
126 16.1 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 5.188 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

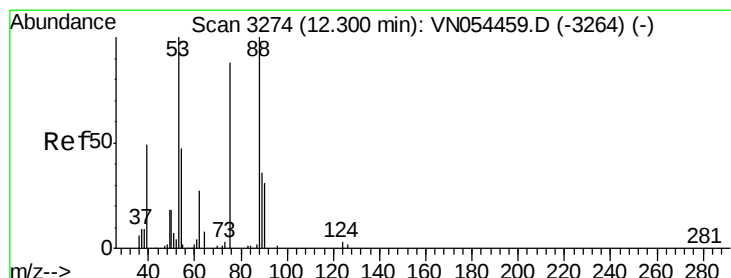
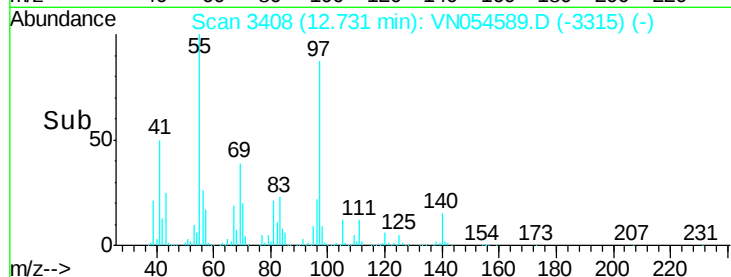
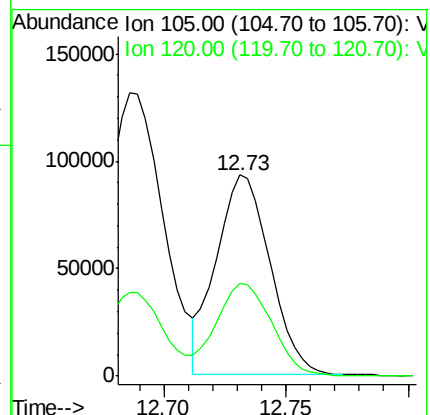
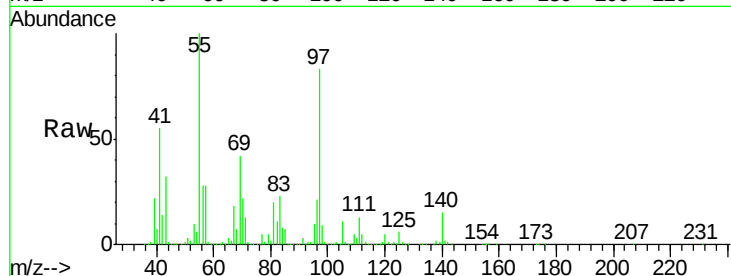
WP022SB436-190320-(22-24)

Tot Ion:105 Resp: 142832

Ion Ratio Lower Upper

105 100

120 49.3 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 99.432 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

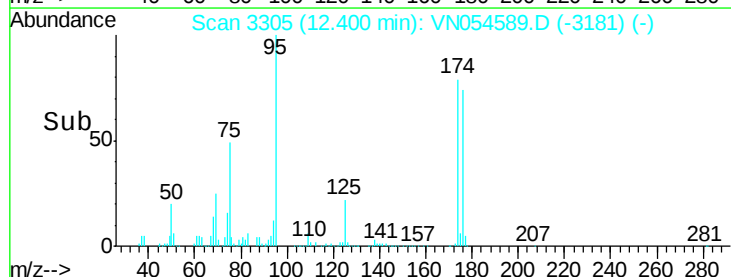
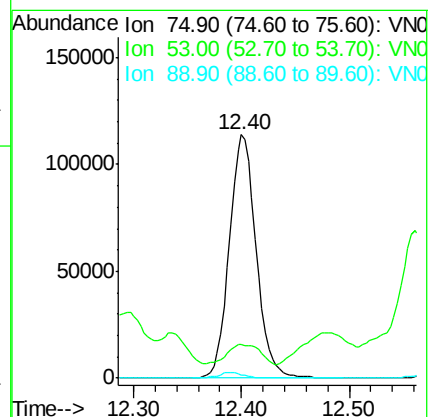
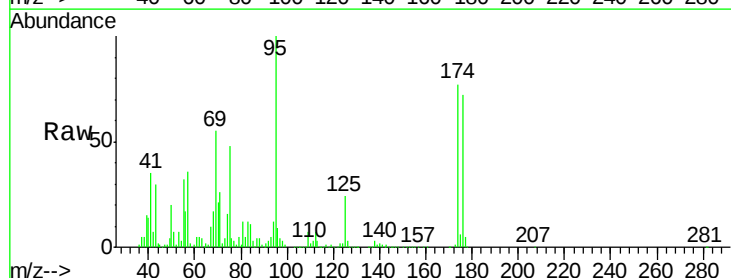
Tgt Ion: 75 Resp: 197217

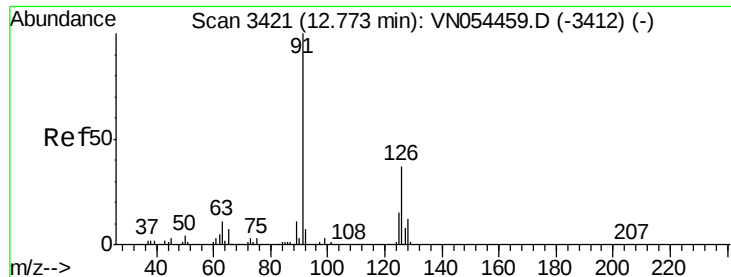
Ion Ratio Lower Upper

75 100

53 9.6 76.2 114.2#

89 2.3 39.2 58.8#





#82

4-Chlorotoluene

Concen: 3.600 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.09 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

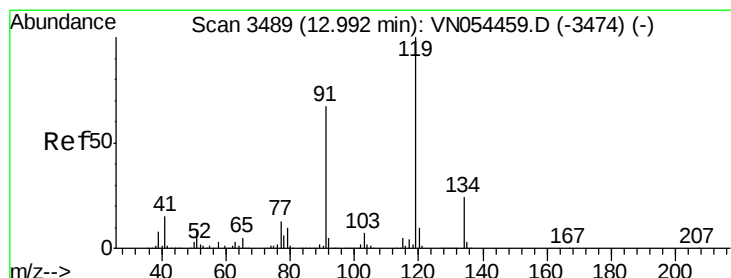
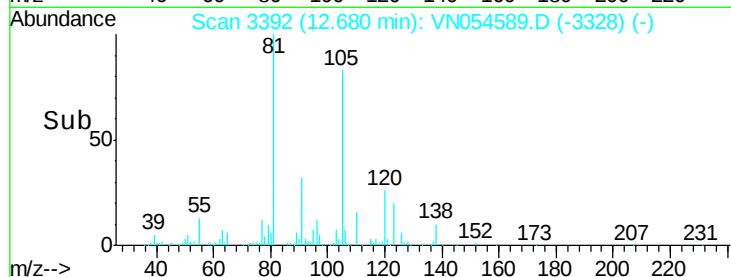
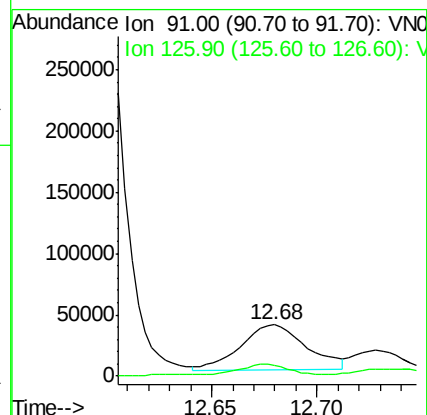
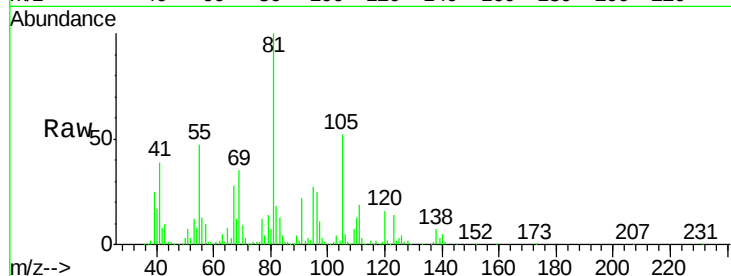
WP022SB436-190320-(22-24)

Tot Ion: 91 Resp: 79256

Ion Ratio Lower Upper

91 100

126 17.7 18.1 54.1#



#83

tert-Butylbenzene

Concen: 6.141 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

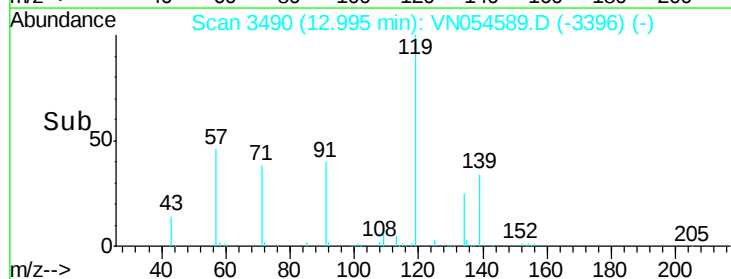
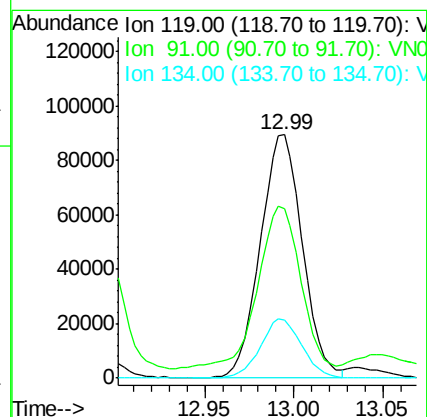
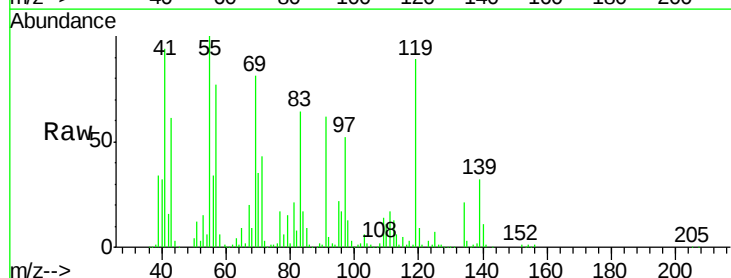
Tgt Ion: 119 Resp: 147159

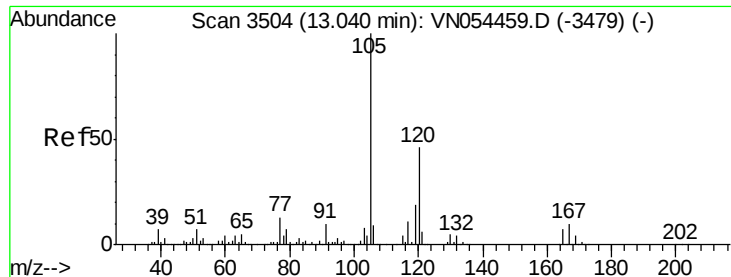
Ion Ratio Lower Upper

119 100

91 67.8 30.9 92.8

134 23.8 13.2 39.6

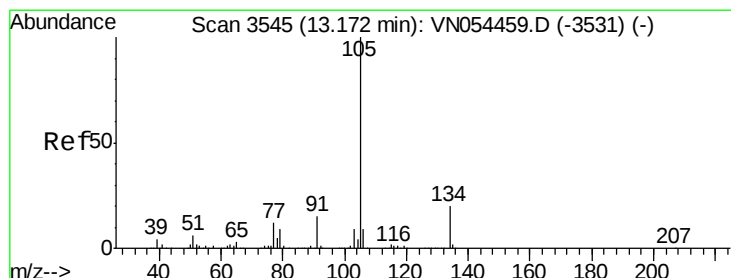
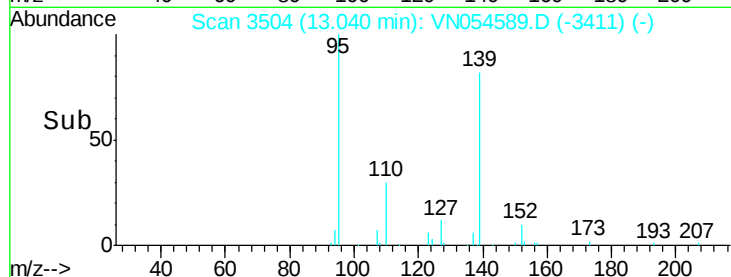
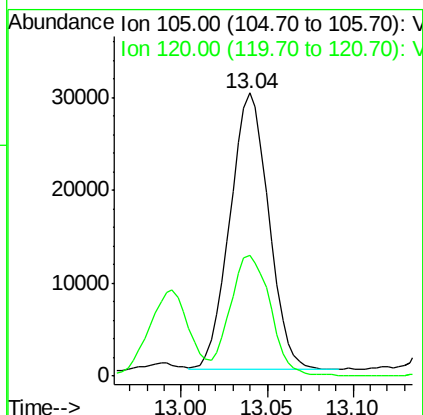
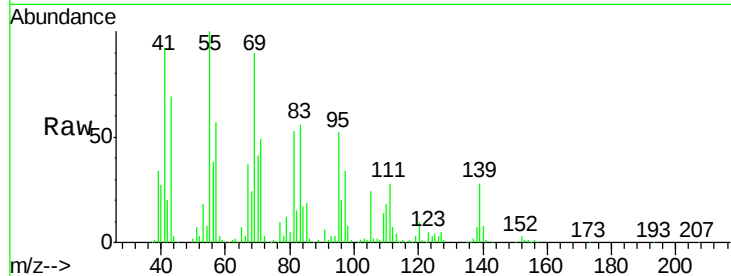




#84
 1,2,4-Trimethylbenzene
 Concen: 1.727 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

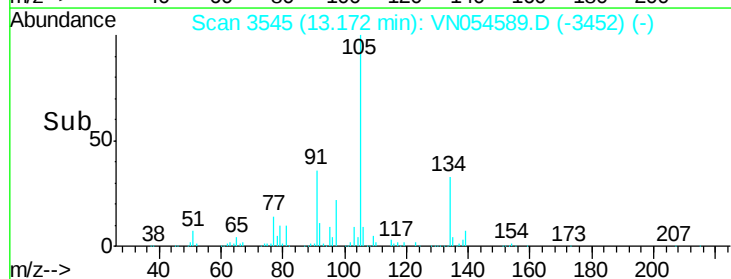
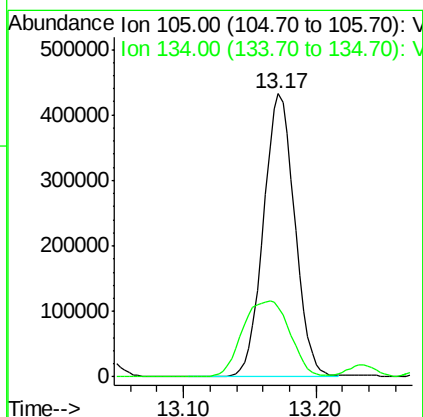
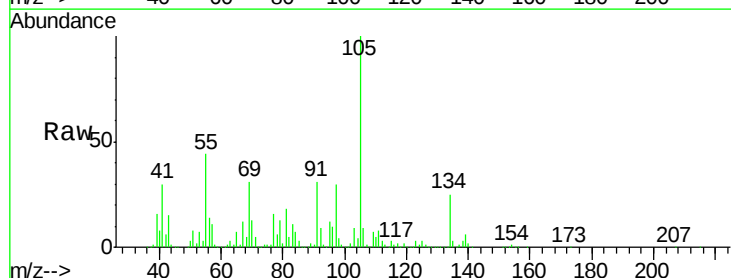
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)

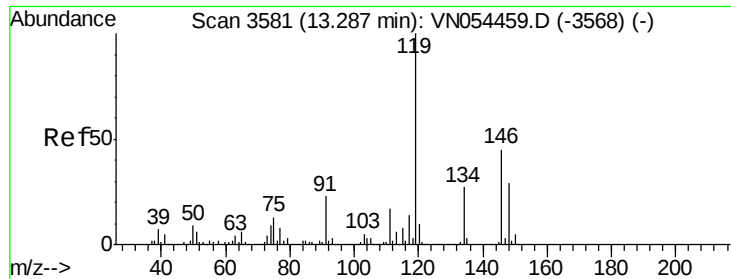
Tot Ion:105 Resp: 46641
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 23.653 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

Tgt Ion:105 Resp: 706585
 Ion Ratio Lower Upper
 105 100
 134 40.6 10.7 32.1#

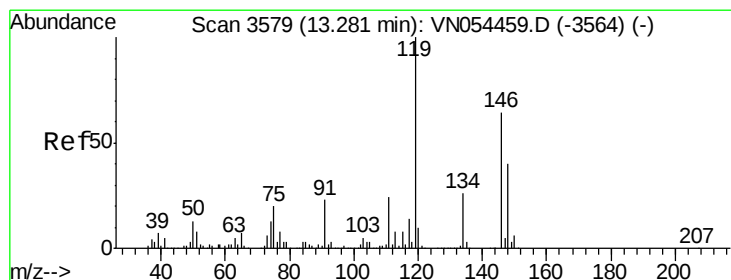
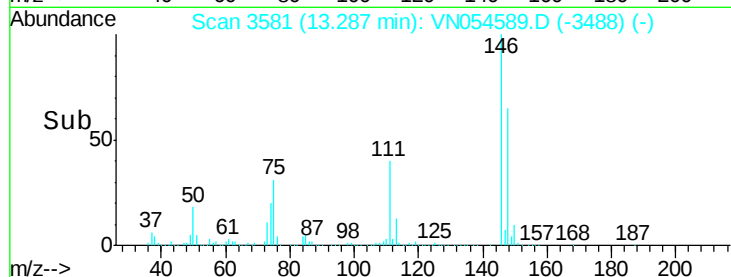
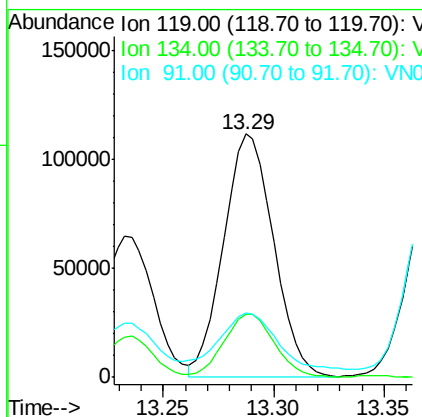
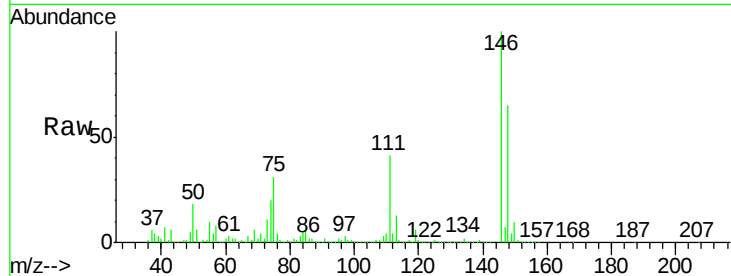




#86
p-Isopropyltoluene
Concen: 6.531 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

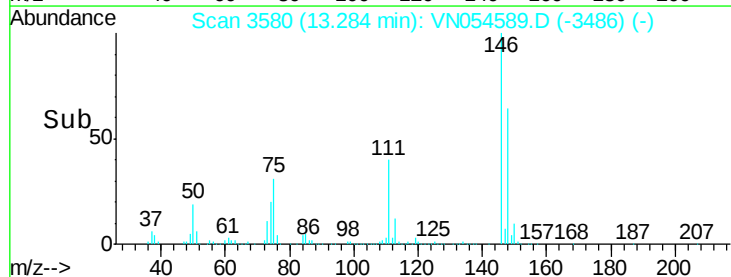
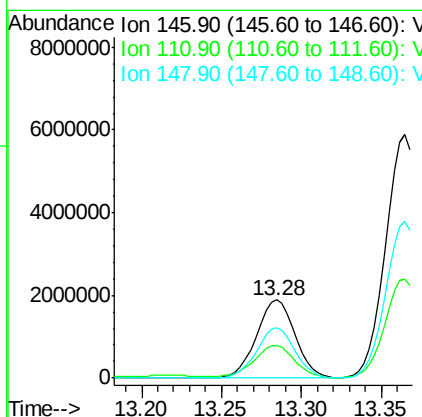
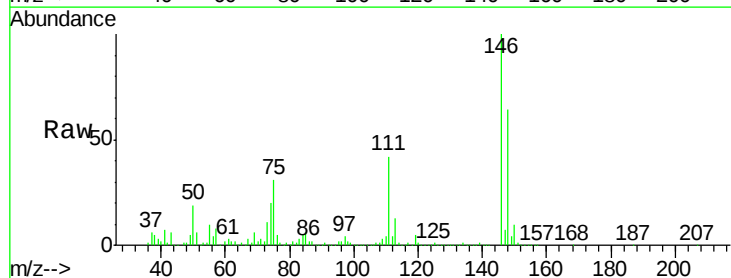
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

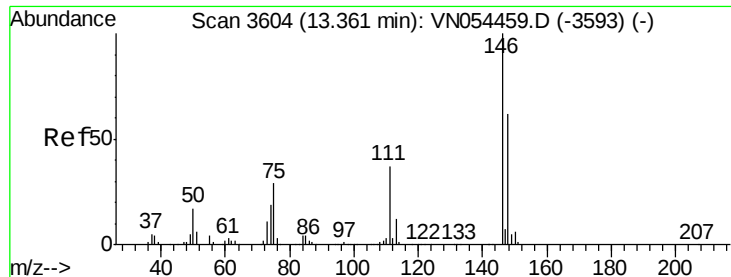
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.6	40.8
91	25.9	11.1	33.3



#87
1,3-Dichlorobenzene
Concen: 228.472 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.8	56.3
148	64.4	32.2	96.6

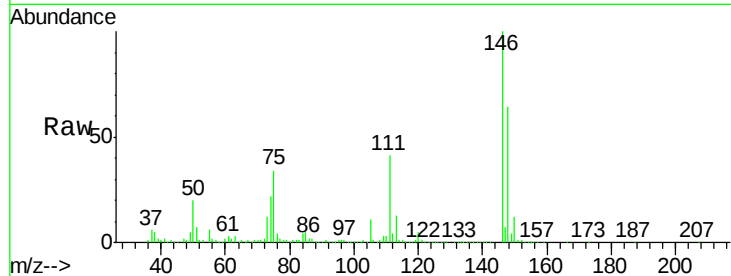




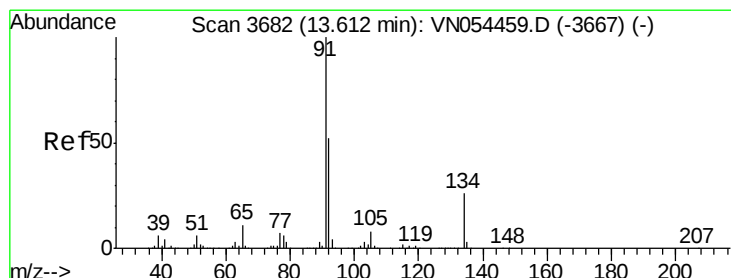
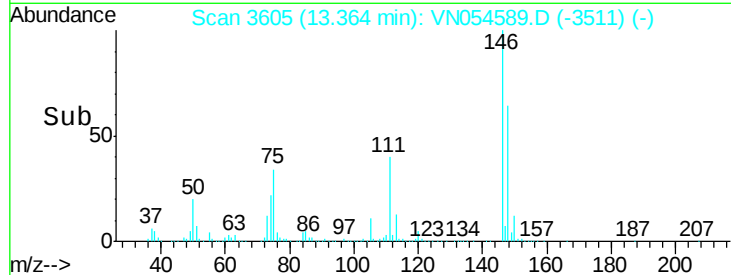
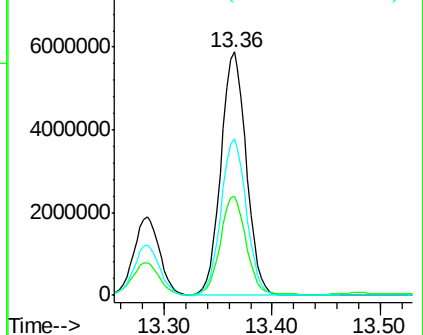
#88
 1,4-Dichlorobenzene
 Concen: 715.964 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)

Tot Ion:146 Resp: 9617250
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.1 54.1
 148 64.4 32.0 96.0

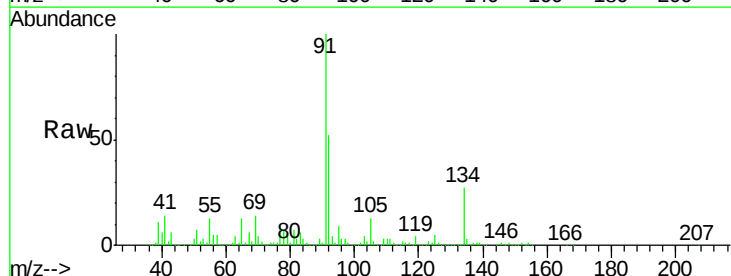


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

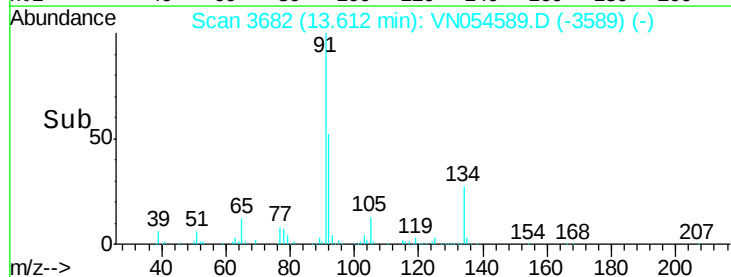
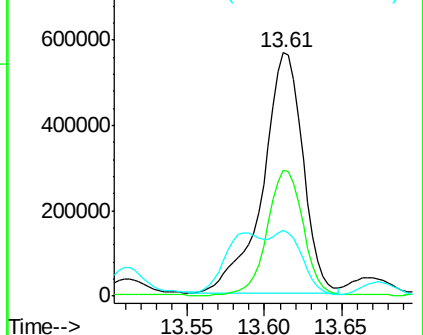


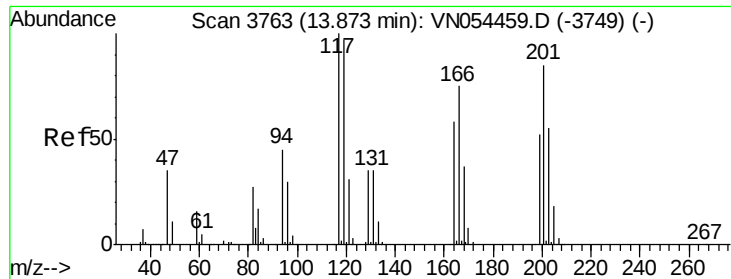
#89
 n-Butylbenzene
 Concen: 48.501 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

Tgt Ion: 91 Resp: 1013588
 Ion Ratio Lower Upper
 91 100
 92 46.4 26.2 78.6
 134 0.0 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 6.854 ug/l

RT: 13.80 min Scan# 3741

Delta R.T. -0.07 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

Instrument :

MSVOA_N

ClientSampleId :

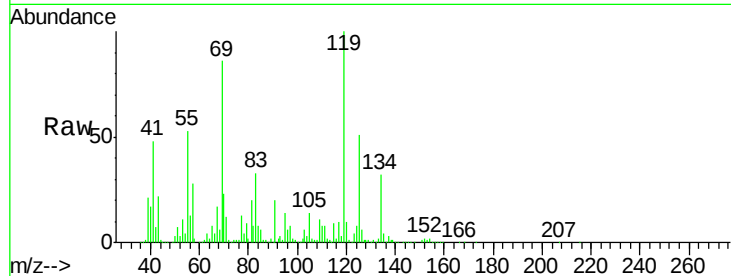
WP022SB436-190320-(22-24)

Tot Ion:117 Resp: 28436

Ion Ratio Lower Upper

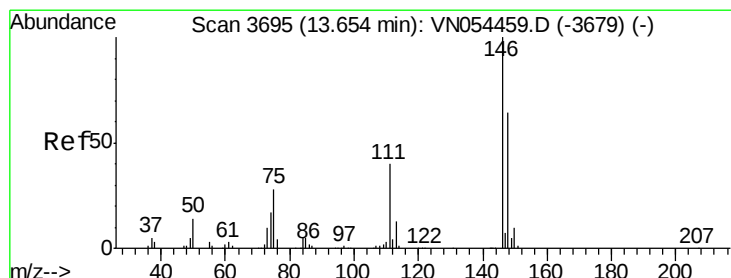
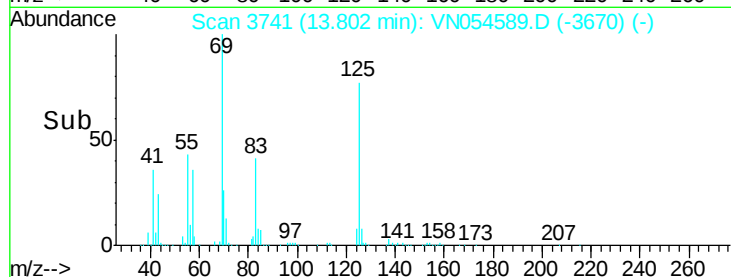
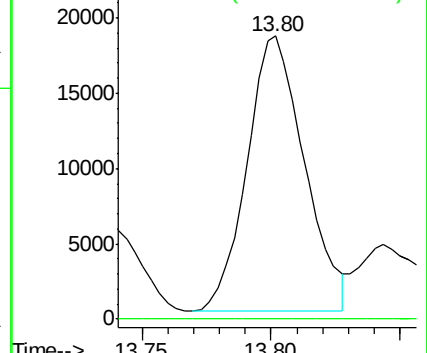
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 920.273 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054589.D

Acq: 23 Mar 2019 6:28

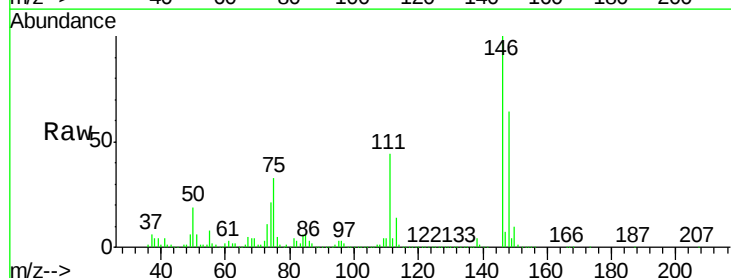
Tgt Ion:146 Resp:12306110

Ion Ratio Lower Upper

146 100

111 43.5 19.1 57.3

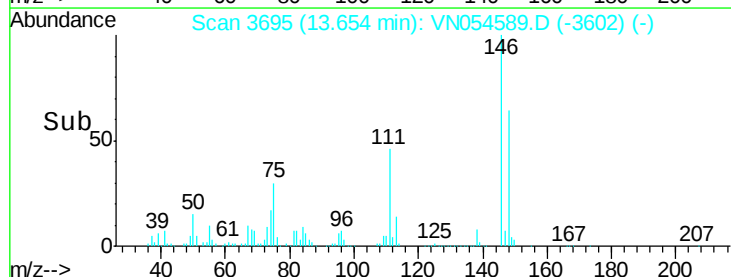
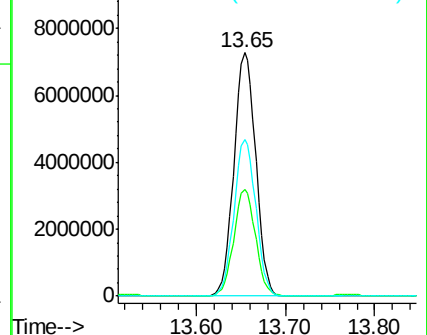
148 64.3 32.4 97.0

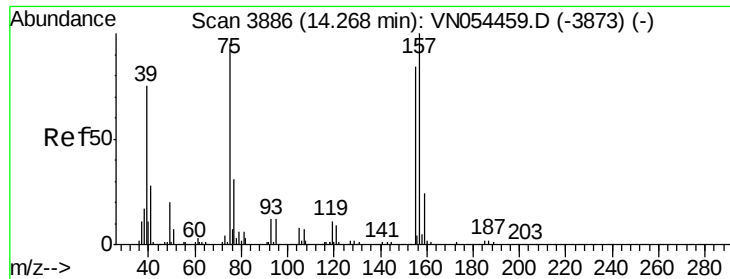


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

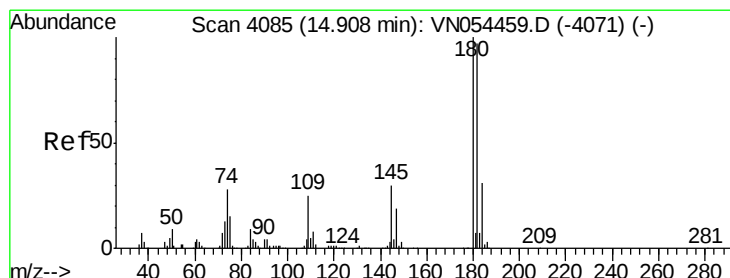
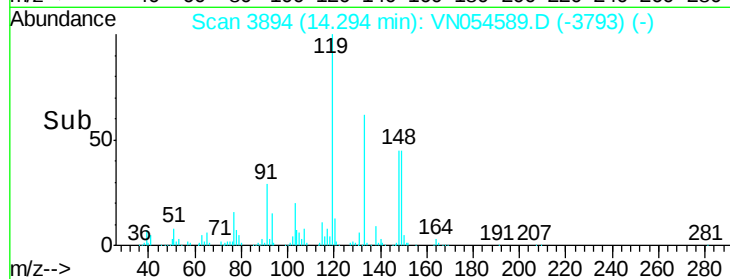
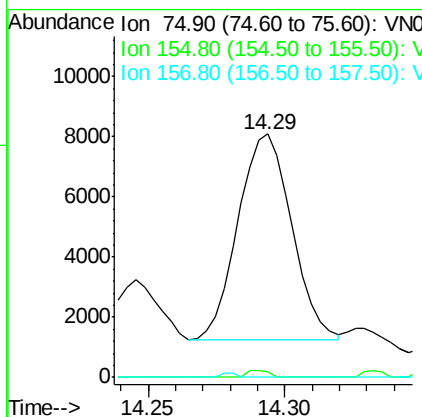
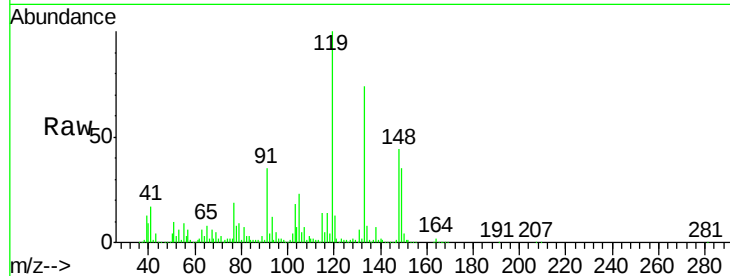




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.241 ug/l
 RT: 14.29 min Scan# 3894
 Delta R.T. 0.03 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

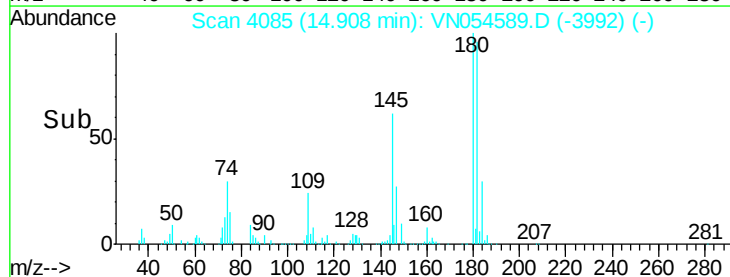
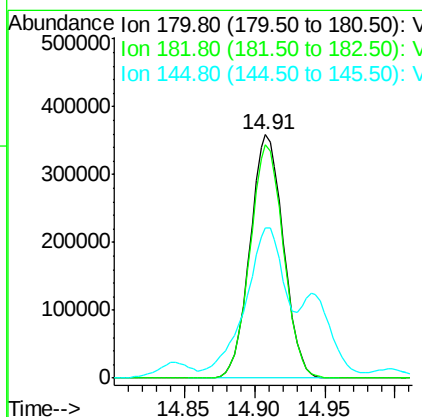
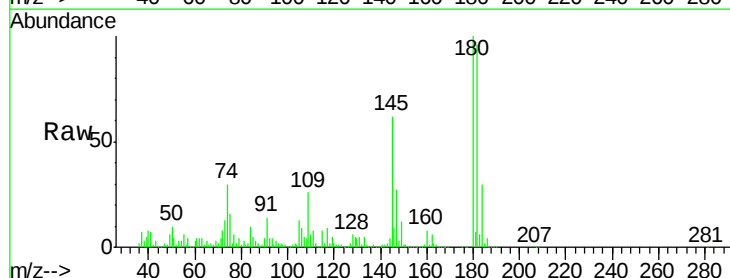
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)

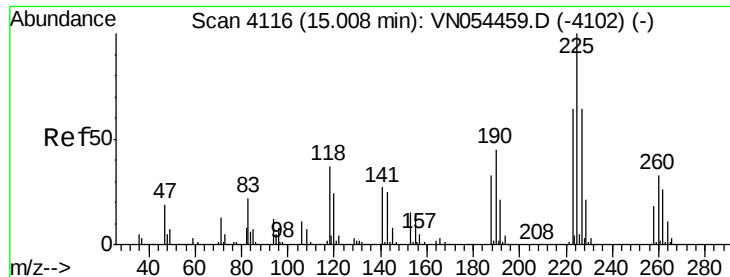
Tot Ion: 75 Resp: 9269
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.1 150.3#
 157 0.6 63.1 189.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 88.651 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

Tgt Ion: 180 Resp: 590958
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.0 144.2
 145 69.3 14.2 42.8#

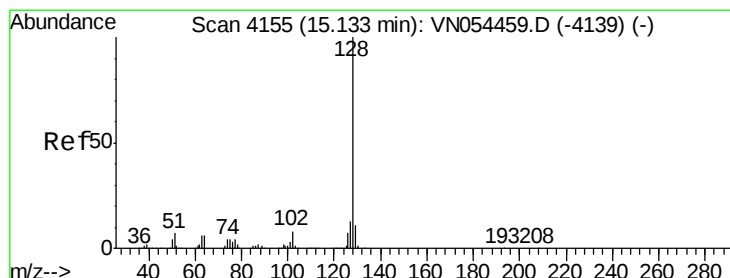
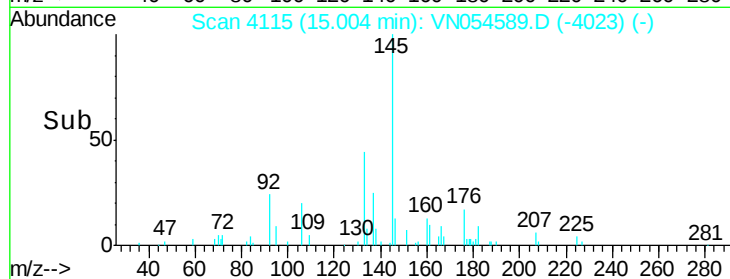
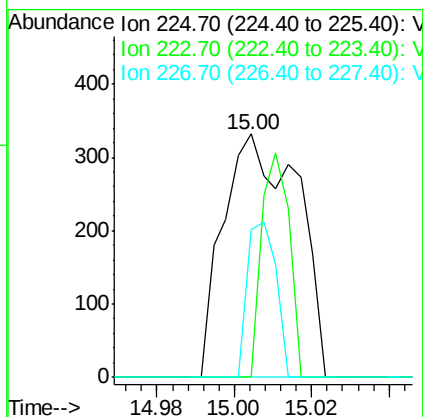
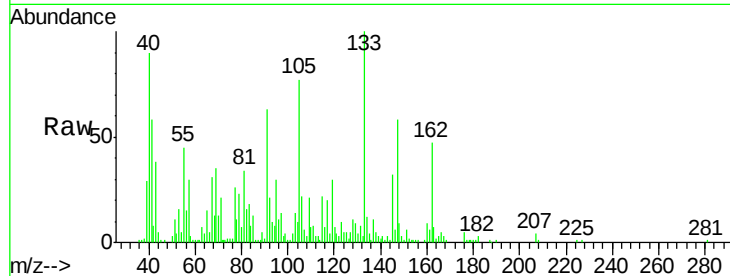




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

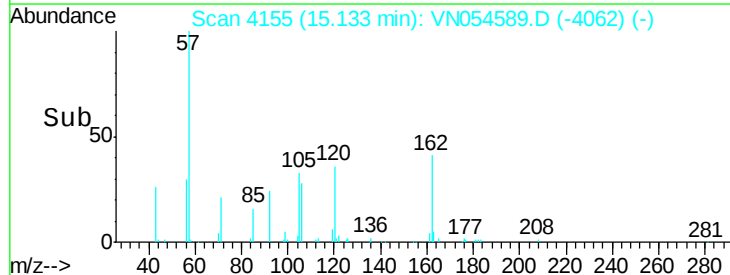
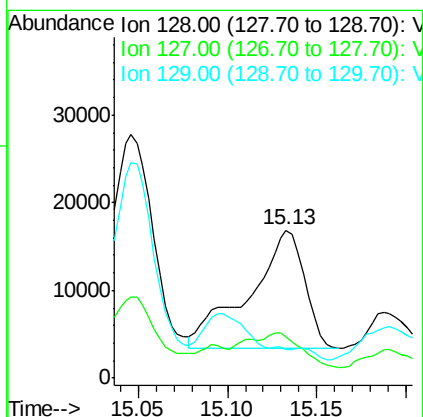
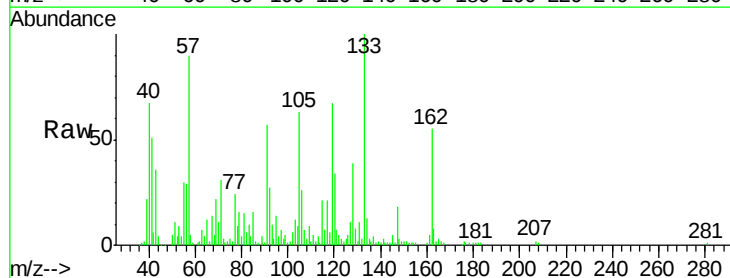
Instrument :
MSVOA_N
ClientSampleId :
WP022SB436-190320-(22-24)

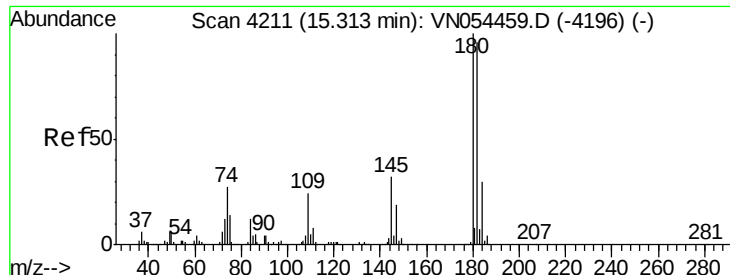
Tot Ion:225 Resp: 443
Ion Ratio Lower Upper
225 100
223 34.1 31.1 93.5
227 24.6 31.9 95.9#



#95
Naphthalene
Concen: 1.978 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054589.D
Acq: 23 Mar 2019 6:28

Tgt Ion:128 Resp: 29416
Ion Ratio Lower Upper
128 100
127 29.2 10.1 15.1#
129 0.0 8.7 13.1#

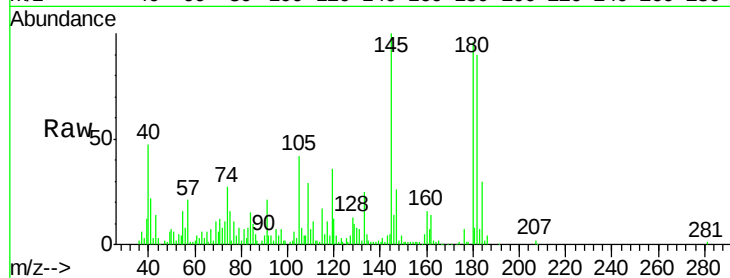




#96
 1,2,3-Trichlorobenzene
 Concen: 15.926 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054589.D
 Acq: 23 Mar 2019 6:28

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB436-190320-(22-24)

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	187.1	14.8	44.3#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

