

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052112.D
 Acq On : 1 Nov 2018 19:23
 Operator : MD\SY
 Sample : J5791-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Quant Time: Nov 02 07:04:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	2436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	321522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	275370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	2920	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	131436	3362.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6724.62%	
35) Dibromofluoromethane	7.60	113	1417	0.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.40%	
50) Toluene-d8	10.09	98	395334	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.40	95	119552	40.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.03	85	64	2.161	ug/l #	42
3) Chloromethane	2.07	50	688	18.436	ug/l #	56
4) Vinyl Chloride	2.20	62	62	1.544	ug/l #	45
5) Bromomethane	2.56	94	177	5.874	ug/l #	5
6) Chloroethane	2.71	64	139	5.360	ug/l #	40
7) Trichlorofluoromethane	2.93	101	30	0.654	ug/l #	19
11) Tert butyl alcohol	4.79	59	102	52.107	ug/l #	76
12) 1,1-Dichloroethene	3.78	96	74	2.896	ug/l #	1
13) Acrolein	3.57	56	98	69.027	ug/l #	12
14) Allyl chloride	4.33	41	76	1.486	ug/l #	22
15) Acrylonitrile	4.98	53	65	5.808	ug/l #	57
16) Acetone	3.82	43	1859	222.794	ug/l #	75
17) Carbon Disulfide	4.05	76	508	6.309	ug/l #	76
18) Methyl Acetate	4.33	43	493	18.560	ug/l #	66
19) Methyl tert-butyl Ether	5.05	73	340	4.051	ug/l #	52
20) Methylene Chloride	4.54	84	675	21.230	ug/l #	63
22) Diisopropyl ether	5.93	45	79	0.715	ug/l #	32
23) Vinyl Acetate	5.91	43	206	2.690	ug/l #	75
24) 1,1-Dichloroethane	5.89	63	71	1.149	ug/l #	85
25) 2-Butanone	6.85	43	158	12.073	ug/l #	50
26) 2,2-Dichloropropane	6.85	77	62	1.263	ug/l #	55
27) cis-1,2-Dichloroethene	7.00	96	30	0.862	ug/l #	1
28) Bromochloromethane	7.20	49	100457	3279.435	ug/l	88
29) Tetrahydrofuran	7.22	42	244	27.985	ug/l #	68
30) Chloroform	7.38	83	3641	59.012	ug/l	100
31) Cyclohexane	7.65	56	29	Below Cal	#	19
32) 1,1,1-Trichloroethane	7.81	97	84	1.693	ug/l #	22
41) Methacrylonitrile	7.17	41	136	0.262	ug/l #	1
43) Isopropyl Acetate	8.20	43	4175	1.073	ug/l #	62
49) 1,4-Dioxane	9.29	88	29	26.770	ug/l #	18
71) Bromoform	12.39	173	180	2.325	ug/l #	29
73) Isopropylbenzene	12.25	105	90	0.360	ug/l #	49
74) N-amyl acetate	12.07	43	200	2.295	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.39	83	68	1.136	ug/l #	1

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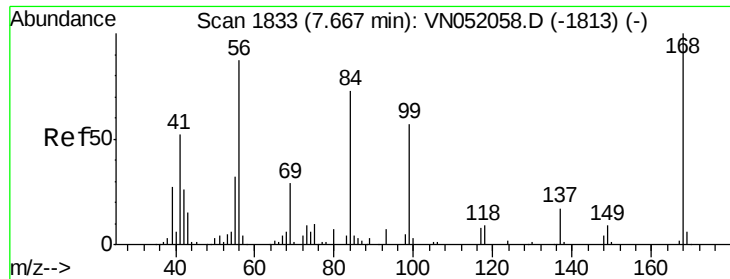
Instrument :
 MSVOA_N
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 SPDES-1

Quant Time: Nov 02 07:04:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

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

76) 1,2,3-Trichloropropane	12.40	75	62959	1177.863	ug/l #	100
77) Bromobenzene	12.53	156	63	1.206	ug/l #	15
78) n-propylbenzene	12.58	91	773	2.555	ug/l #	54
79) 2-Chlorotoluene	12.68	91	228	1.293	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.74	105	112	0.551	ug/l #	30
81) trans-1,4-Dichloro-2-buten	12.40	75	62959	3909.515	ug/l #	9
82) 4-Chlorotoluene	12.77	91	249	1.384	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.06	105	118	0.583	ug/l #	32
85) sec-Butylbenzene	13.17	105	305	1.251	ug/l #	59
86) p-Isopropyltoluene	13.29	119	204	1.027	ug/l #	63
87) 1,3-Dichlorobenzene	13.28	146	126	1.322	ug/l #	23
88) 1,4-Dichlorobenzene	13.36	146	132	1.382	ug/l #	57
89) n-Butylbenzene	13.62	91	295	1.558	ug/l #	46
90) Hexachloroethane	13.98	117	33	0.970	ug/l #	19
91) 1,2-Dichlorobenzene	13.66	146	29	0.324	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.37	75	39	5.355	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	217	6.505	ug/l #	21
95) Naphthalene	15.13	128	7310	87.371	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

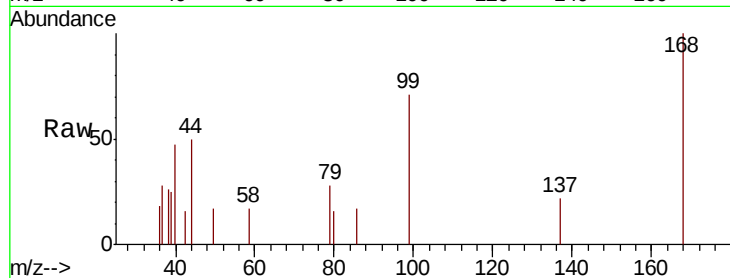
SPDES-1

Tgt Ion: 168 Resp: 2436

Ion Ratio Lower Upper

168 100

99 71.4 56.6 85.0

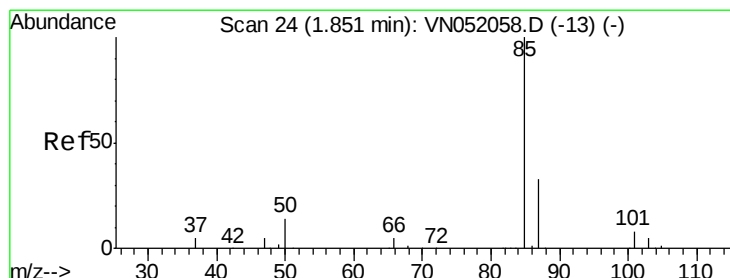
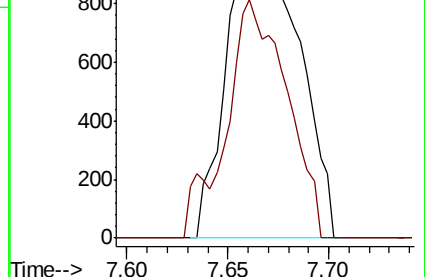
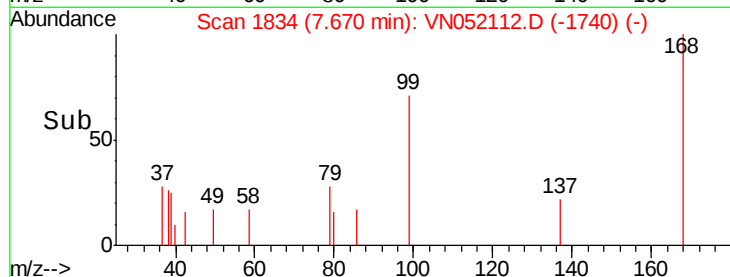


Abundance Ion 167.90 (167.60 to 168.60): VN052058.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052058.D (-1813) (-)

7.67

Time-->



#2

Dichlorodifluoromethane

Concen: 2.161 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.18 min

Lab File: VN052112.D

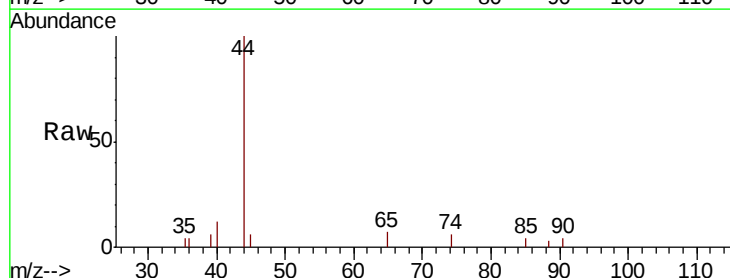
Acq: 1 Nov 2018 19:23

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.8#

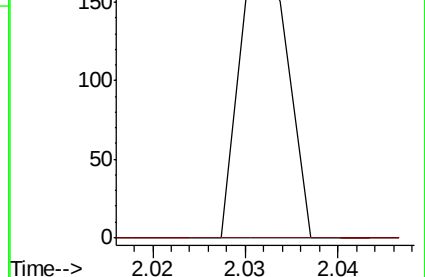
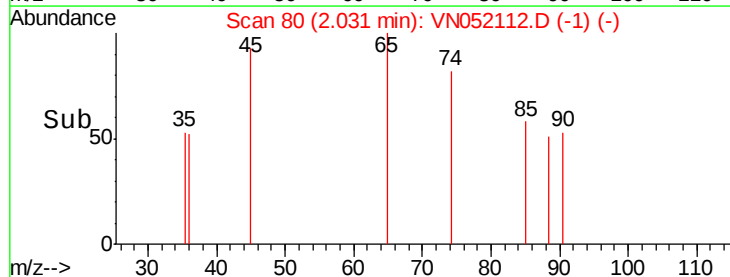


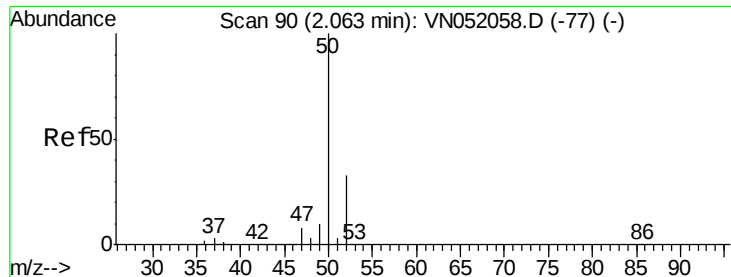
Abundance Ion 84.90 (84.60 to 85.60): VN052058.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052058.D (-13) (-)

2.03

Time-->





#3

Chloromethane

Concen: 18.436 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

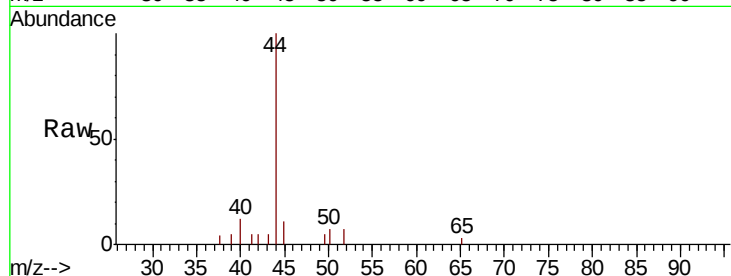
SPDES-1

Tgt Ion: 50 Resp: 688

Ion Ratio Lower Upper

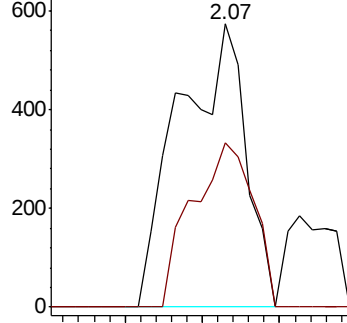
50 100

52 57.9 26.6 39.8#

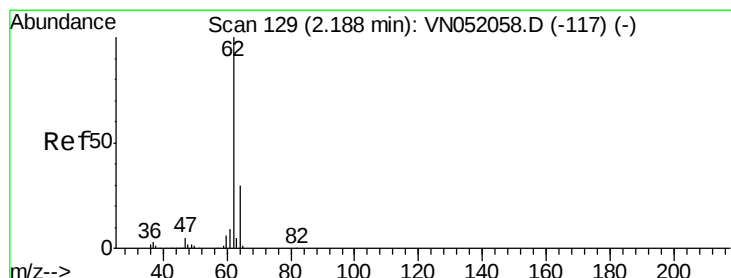
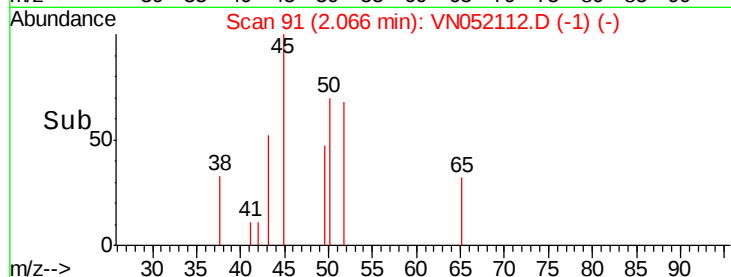


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 1.544 ug/l

RT: 2.20 min Scan# 133

Delta R.T. 0.01 min

Lab File: VN052112.D

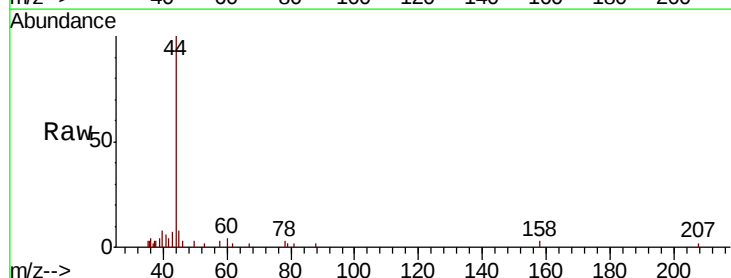
Acq: 1 Nov 2018 19:23

Tgt Ion: 62 Resp: 62

Ion Ratio Lower Upper

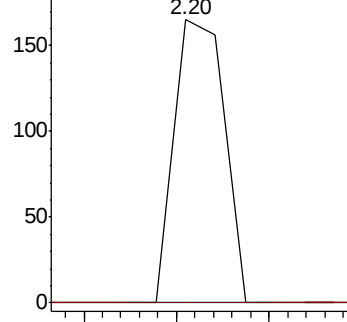
62 100

64 0.0 23.7 35.5#

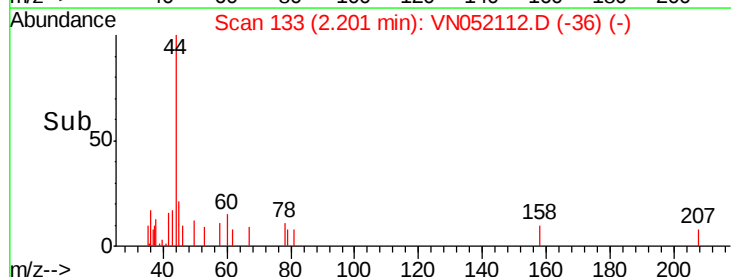


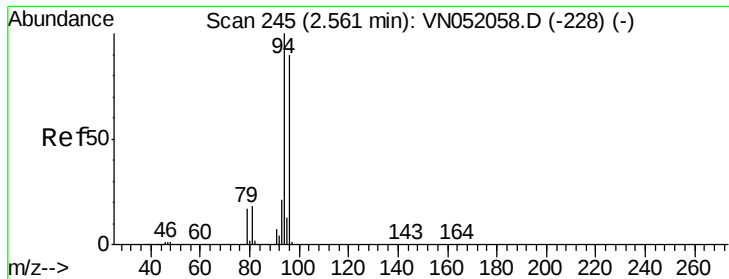
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 5.874 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

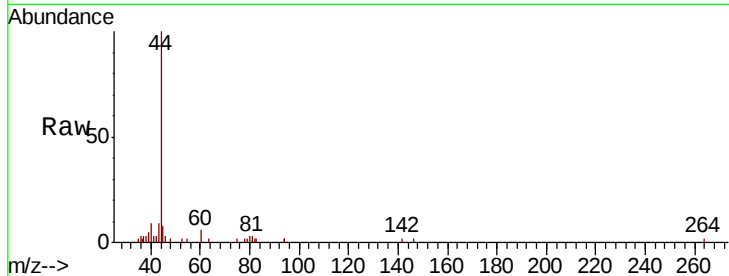
SPDES-1

Tgt Ion: 94 Resp: 177

Ion Ratio Lower Upper

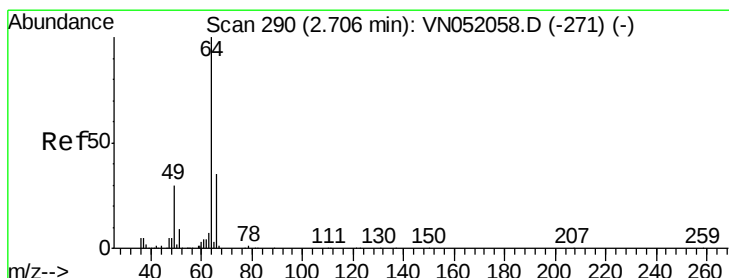
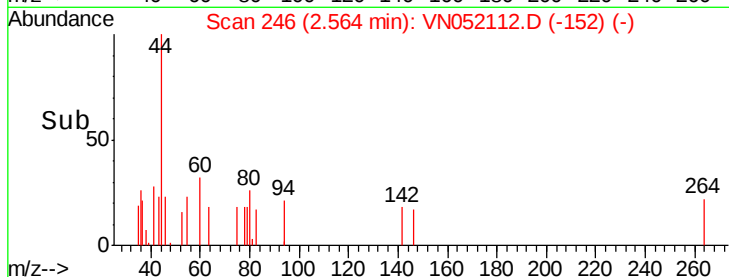
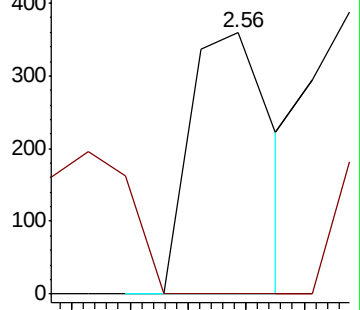
94 100

96 0.0 71.8 107.6#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.360 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052112.D

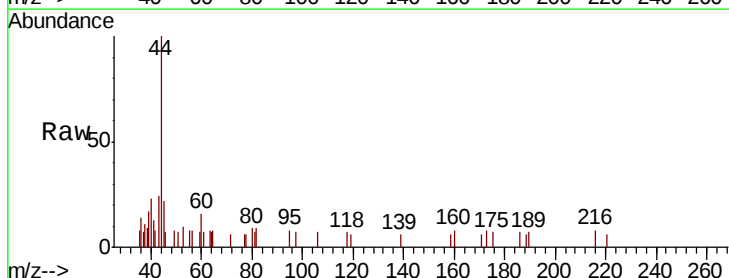
Acq: 1 Nov 2018 19:23

Tgt Ion: 64 Resp: 139

Ion Ratio Lower Upper

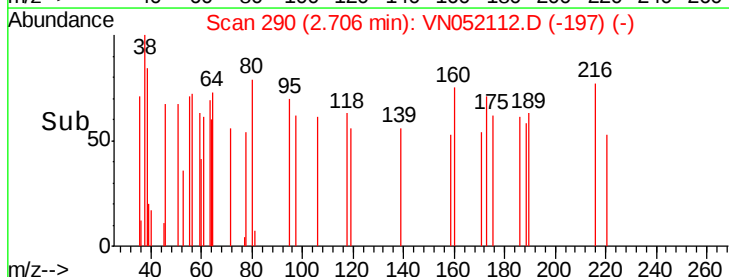
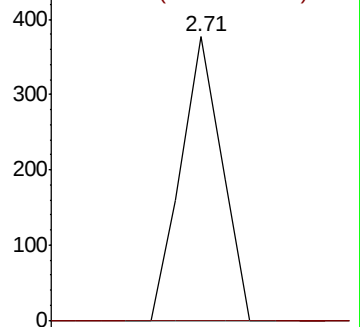
64 100

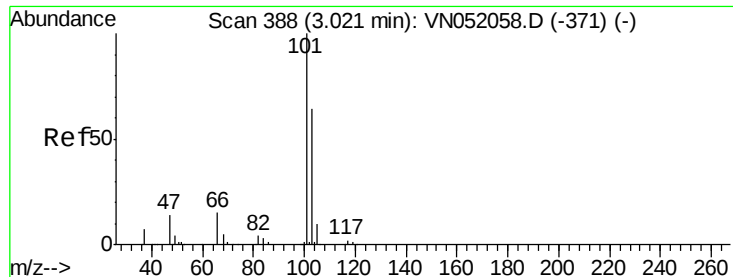
66 0.0 27.9 41.9#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



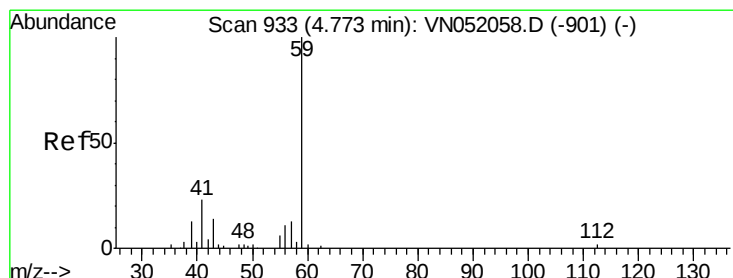
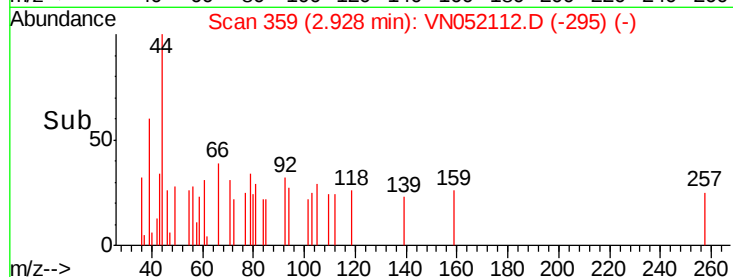
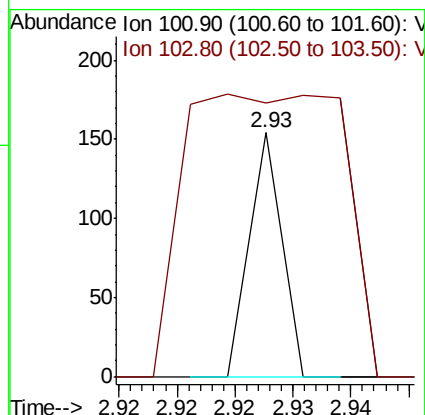
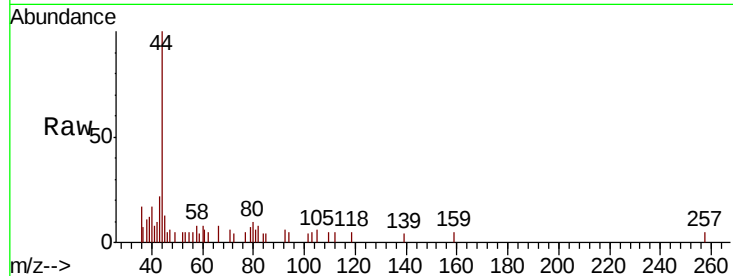


#7

Trichlorofluoromethane
 Concen: 0.654 ug/l
 RT: 2.93 min Scan# 359
 Delta R.T. -0.09 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Instrument :
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 SPDES-1

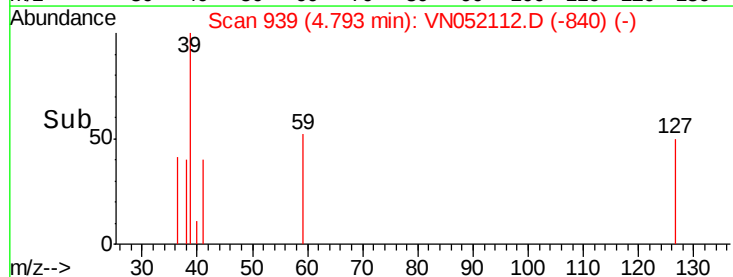
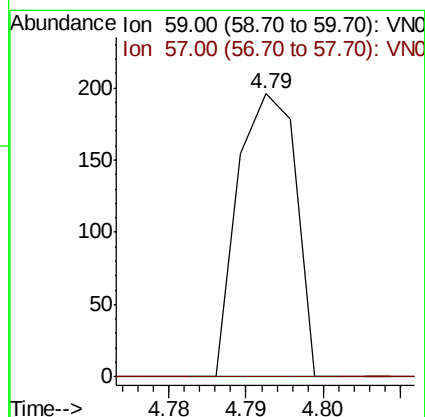
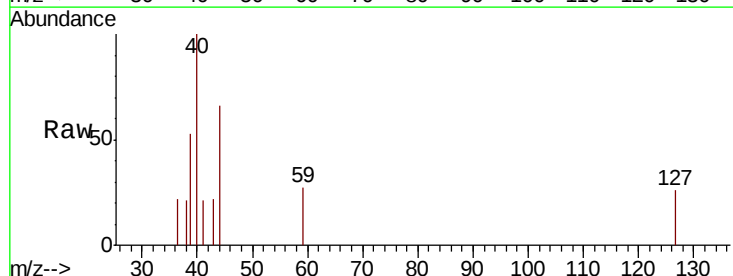
Tgt Ion: 101 Resp: 30
 Ion Ratio Lower Upper
 101 100
 103 0.6 51.0 76.4#

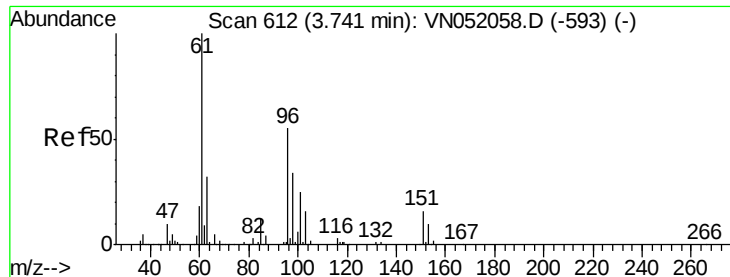


#11

Tert butyl alcohol
 Concen: 52.107 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.02 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion: 59 Resp: 102
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.6#

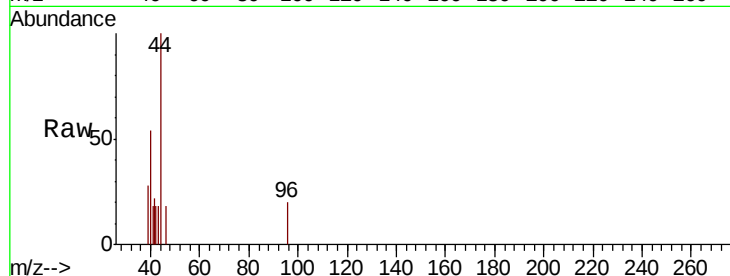




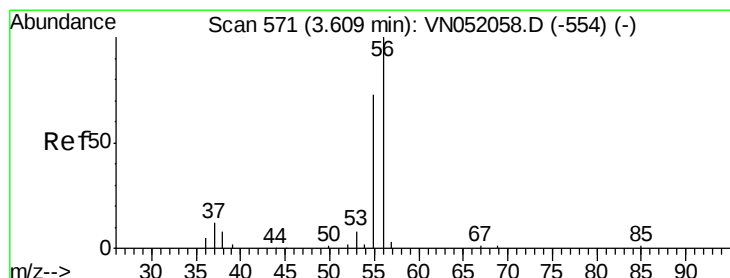
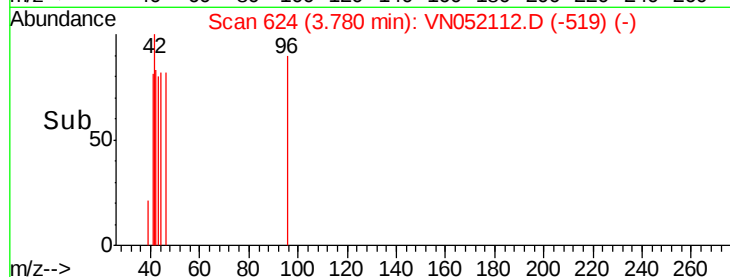
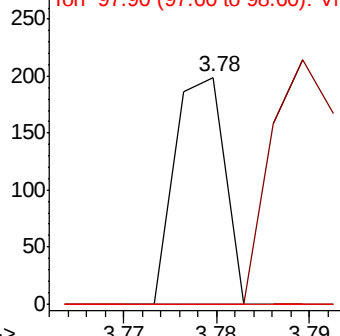
#12
 1,1-Dichloroethene
 Concen: 2.896 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.04 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Instrument :
 MSVOA_N
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 SPDES-1

Tgt Ion: 96 Resp: 74
 Ion Ratio Lower Upper
 96 100
 61 0.0 145.7 218.5#
 98 0.0 49.8 74.8#

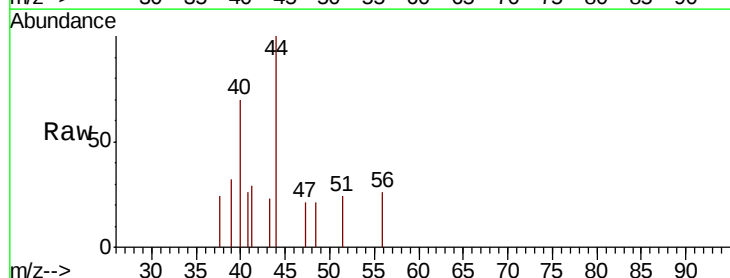


Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

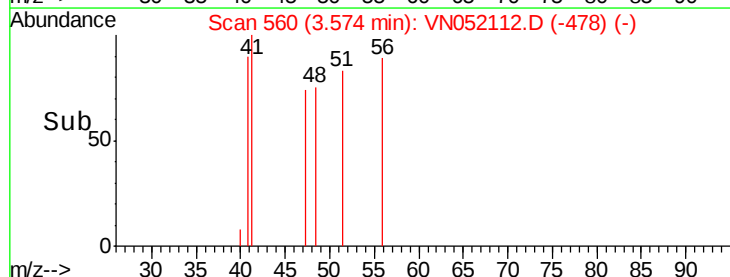
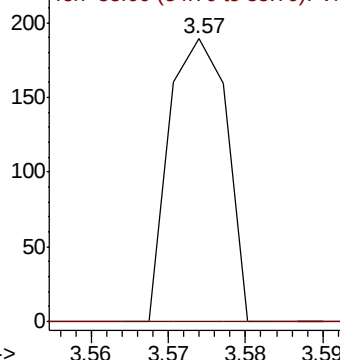


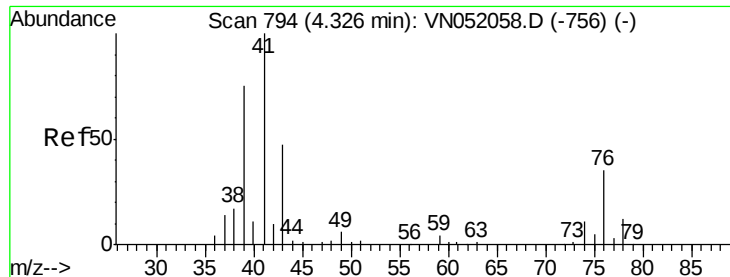
#13
 Acrolein
 Concen: 69.027 ug/l
 RT: 3.57 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion: 56 Resp: 98
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO

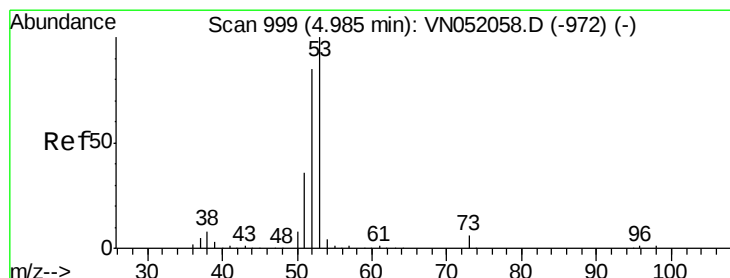
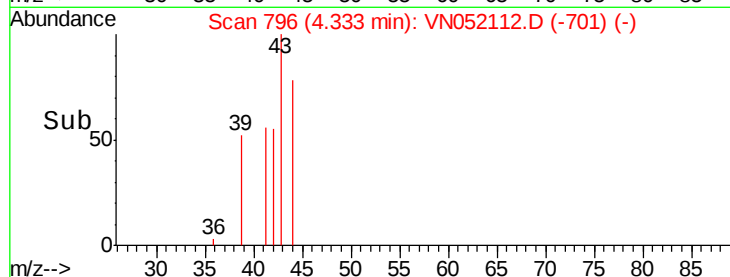
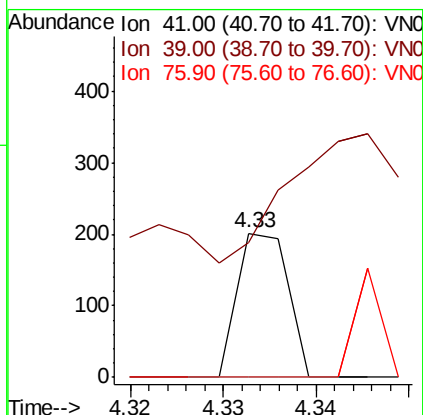
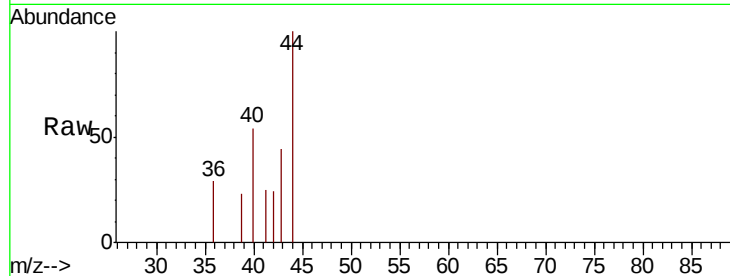




#14
 Allyl chloride
 Concen: 1.486 ug/l
 RT: 4.33 min Scan# 796
 Delta R.T. 0.01 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

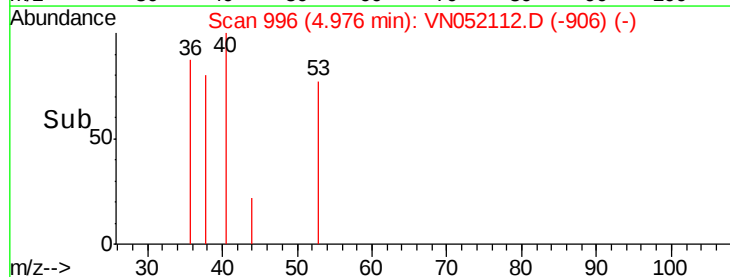
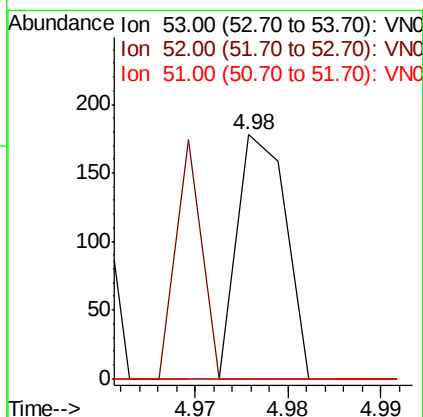
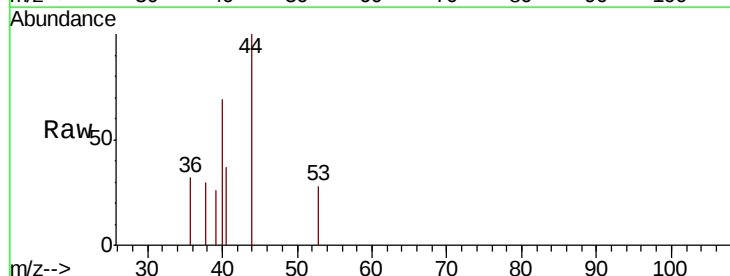
Instrument :
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 ClientSampled :
 SPDES-1

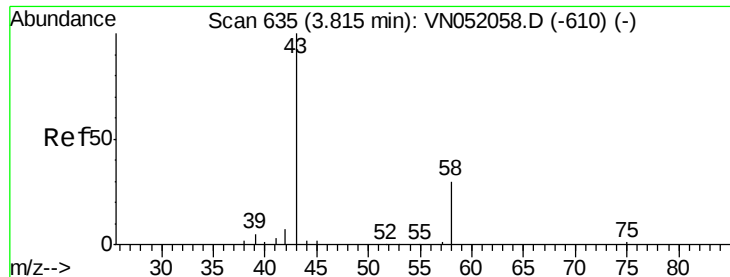
Tgt Ion: 41 Resp: 76
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.1 87.1#
 76 0.0 26.0 39.0#



#15
 Acrylonitrile
 Concen: 5.808 ug/l
 RT: 4.98 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion: 53 Resp: 65
 Ion Ratio Lower Upper
 53 100
 52 52.3 66.6 100.0#
 51 0.0 29.0 43.6#





#16

Acetone

Concen: 222.794 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

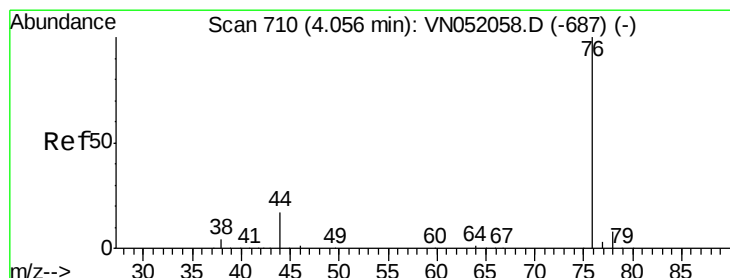
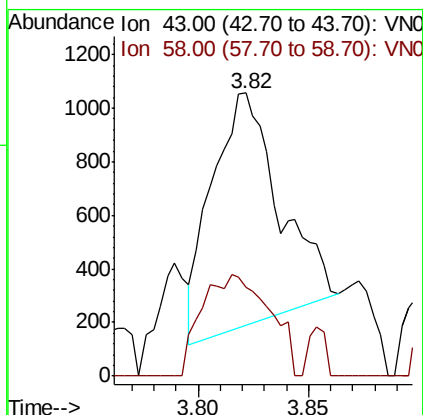
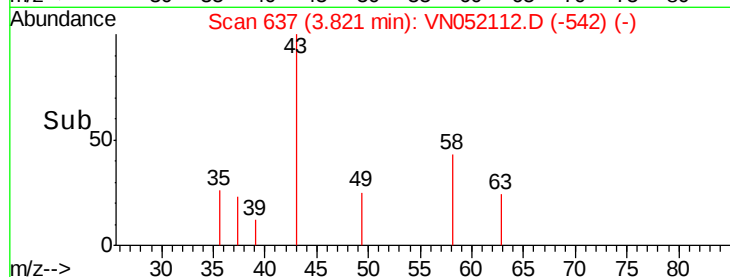
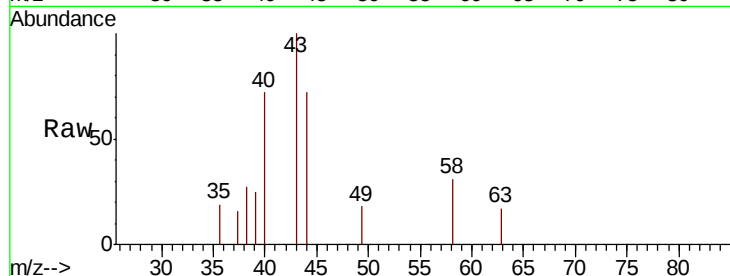
SPDES-1

Tgt Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

58 43.8 24.2 36.2#



#17

Carbon Disulfide

Concen: 6.309 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN052112.D

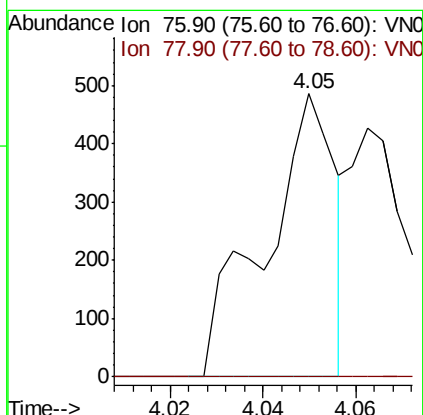
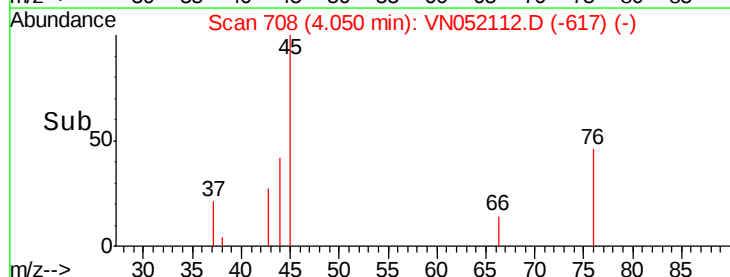
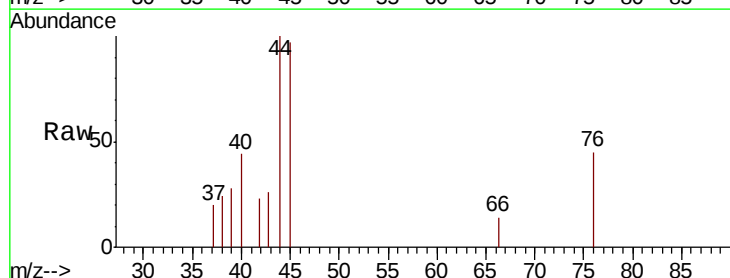
Acq: 1 Nov 2018 19:23

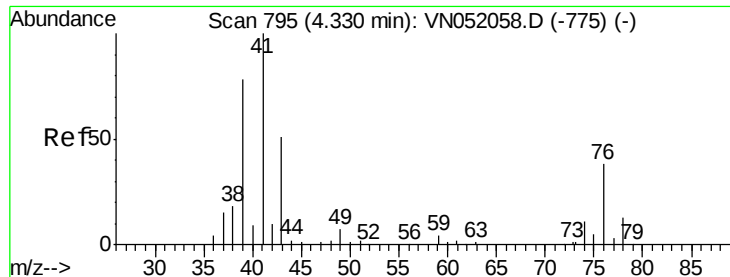
Tgt Ion: 76 Resp: 508

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#

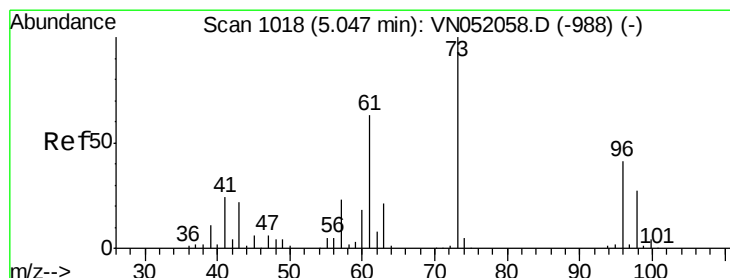
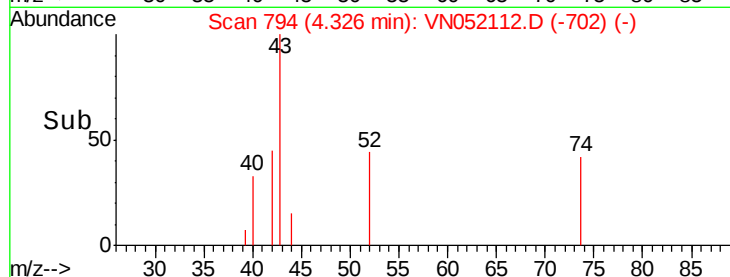
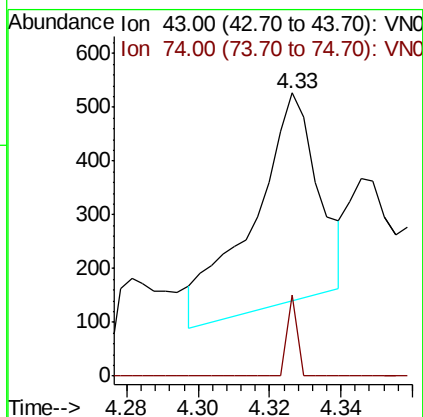
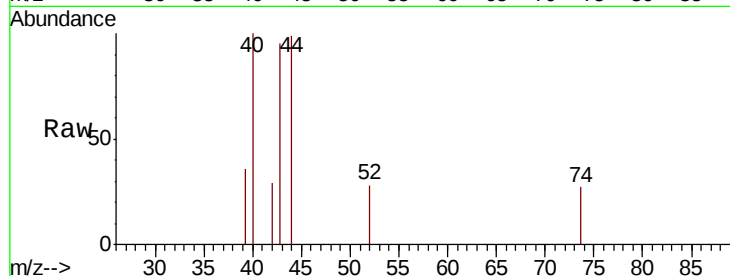




#18
Methyl Acetate
Concen: 18.560 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

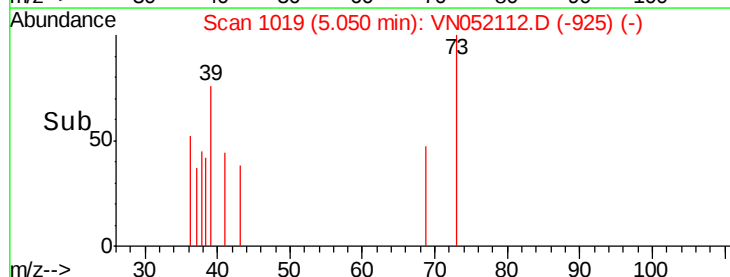
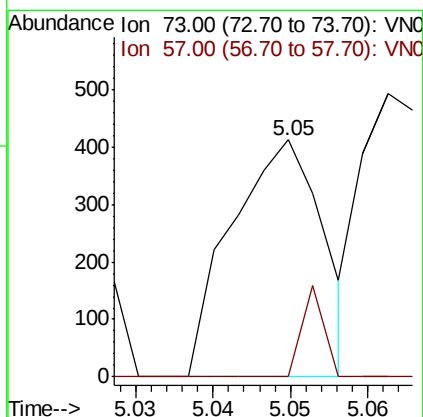
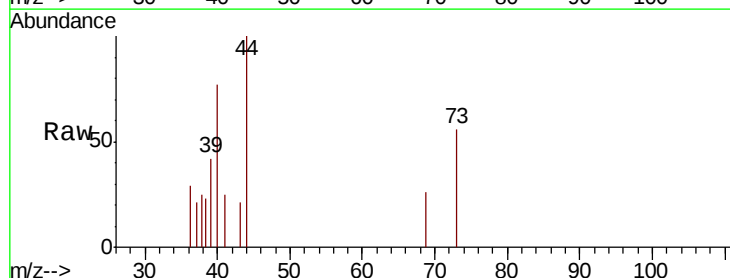
Instrument :
MSVOA_N
ClientSampled :
SPDES-1

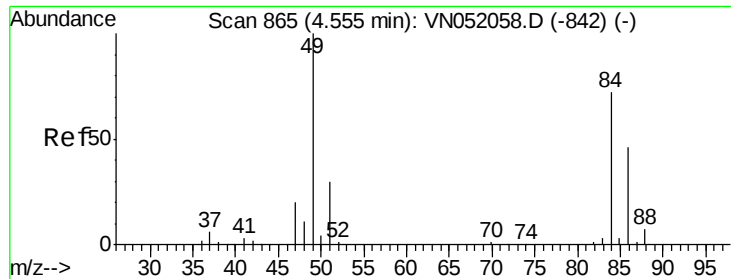
Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
74 5.9 17.9 26.9#



#19
Methyl tert-butyl Ether
Concen: 4.051 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

Tgt Ion: 73 Resp: 340
Ion Ratio Lower Upper
73 100
57 0.0 18.7 28.1#

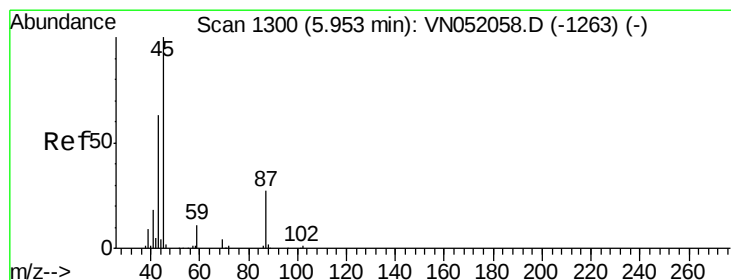
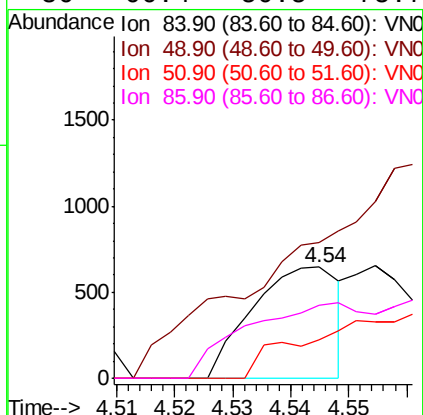
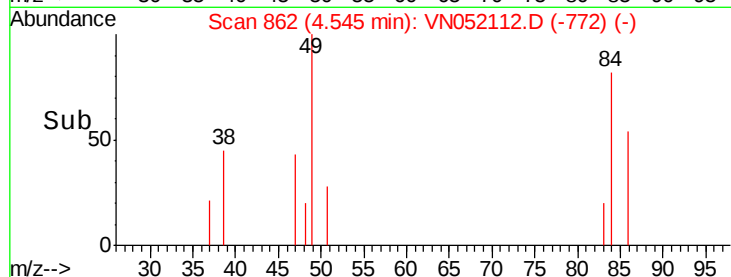
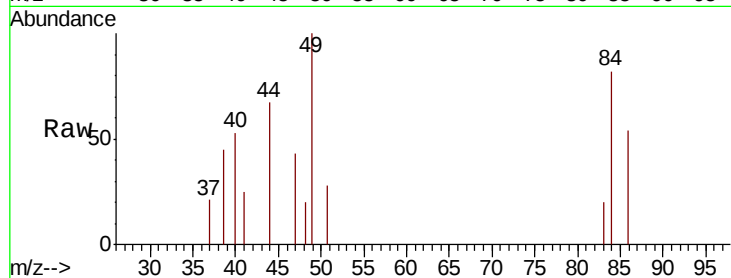




#20
Methylene Chloride
Concen: 21.230 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

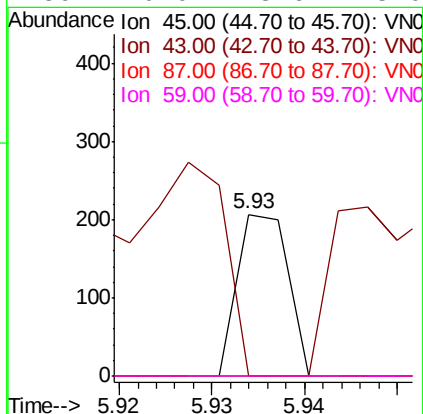
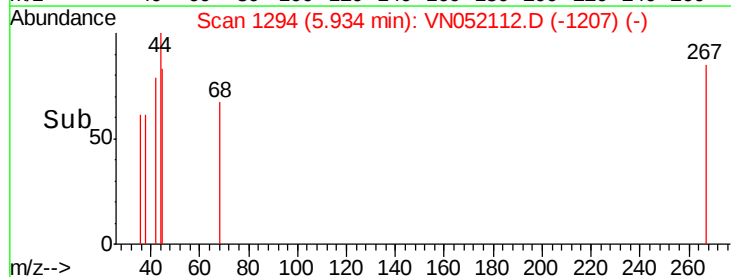
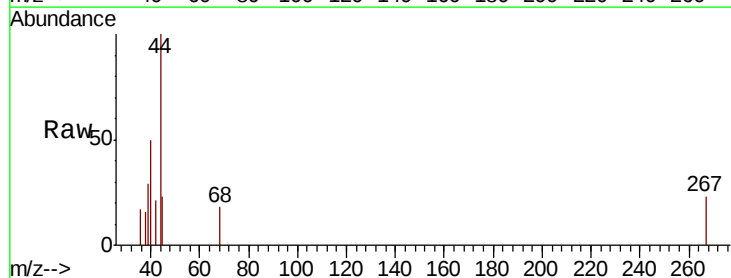
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

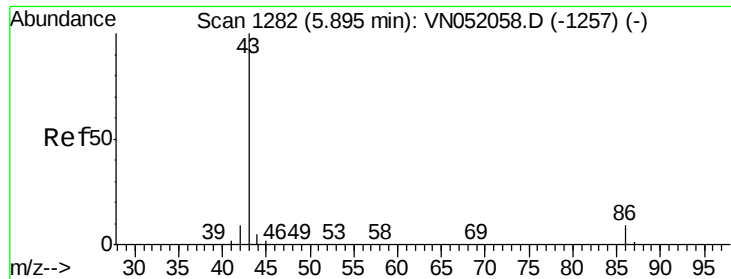
Tgt Ion: 84 Resp: 675
Ion Ratio Lower Upper
84 100
49 65.6 110.6 165.8#
51 34.6 33.7 50.5
86 66.4 50.5 75.7



#22
Diisopropyl ether
Concen: 0.715 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.02 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

Tgt Ion: 45 Resp: 79
Ion Ratio Lower Upper
45 100
43 0.0 50.5 75.7#
87 0.0 21.5 32.3#
59 0.0 8.6 13.0#





#23

Vinyl Acetate

Concen: 2.690 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.02 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

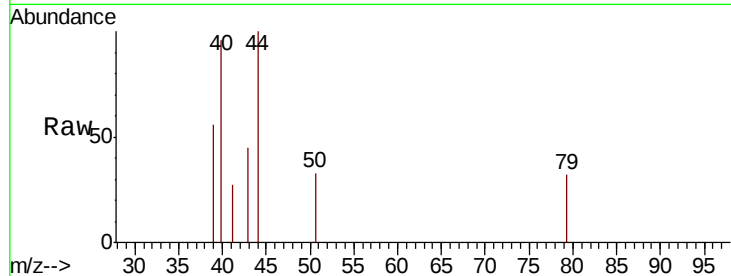
SPDES-1

Tgt Ion: 43 Resp: 206

Ion Ratio Lower Upper

43 100

86 0.0 7.3 10.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

300

250

200

150

100

50

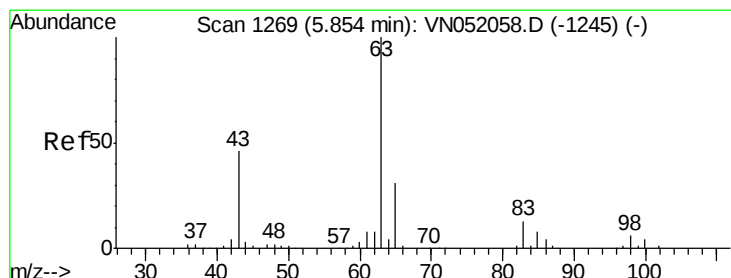
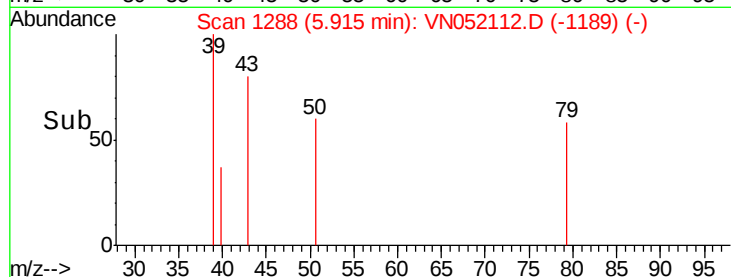
0

5.90

5.91

5.92

Time-->



#24

1,1-Dichloroethane

Concen: 1.149 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. 0.04 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

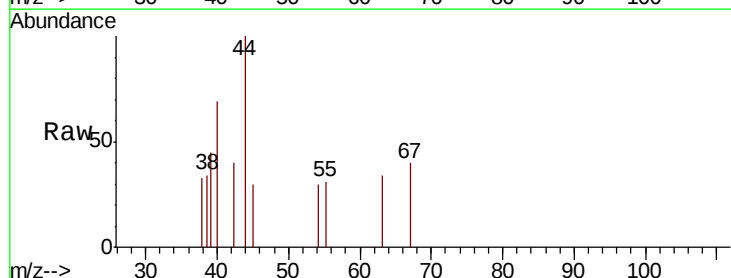
Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 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

250

200

150

100

50

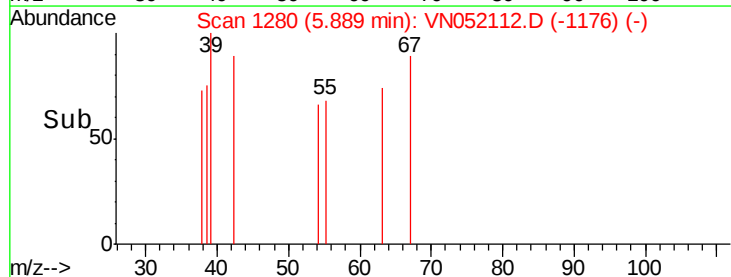
0

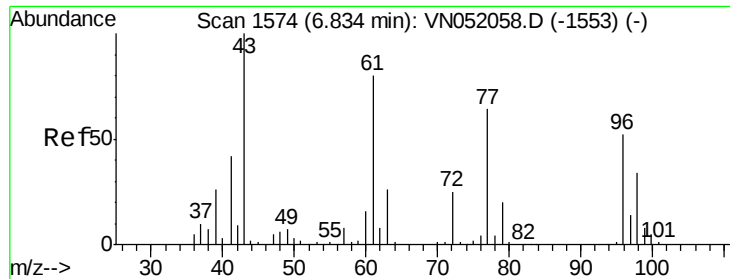
5.88

5.89

5.90

Time-->

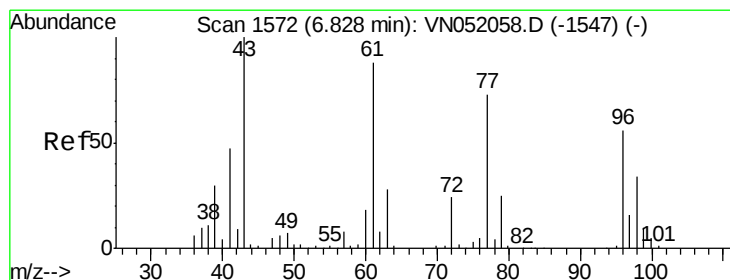
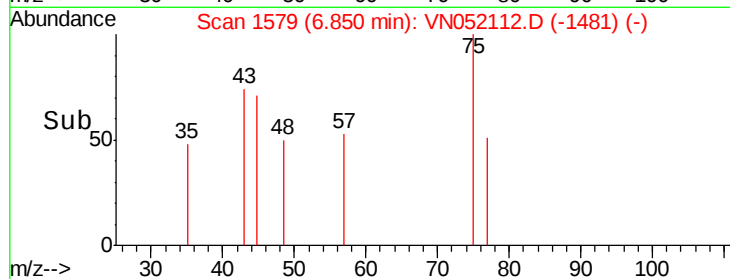
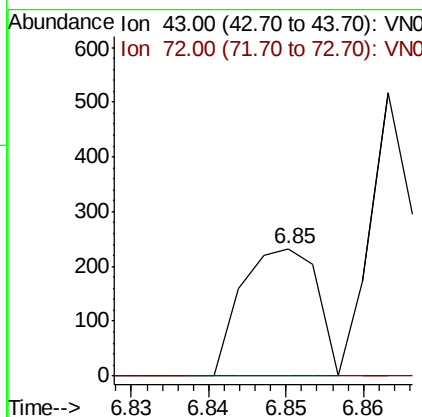
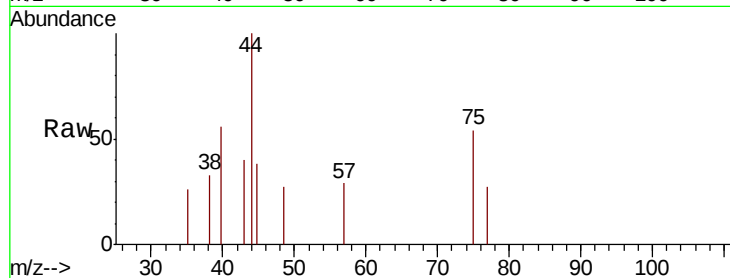




#25
 2-Butanone
 Concen: 12.073 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

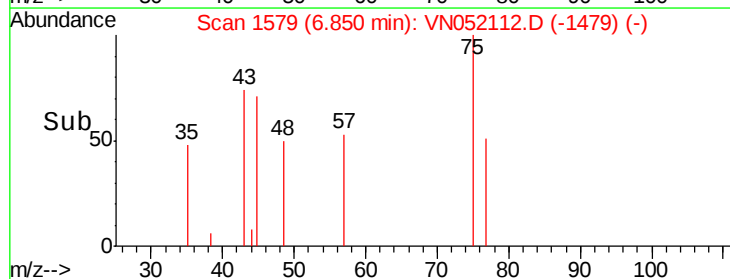
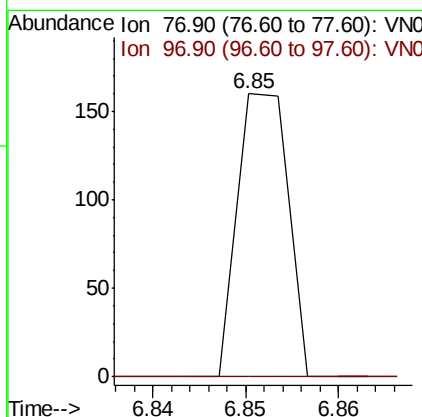
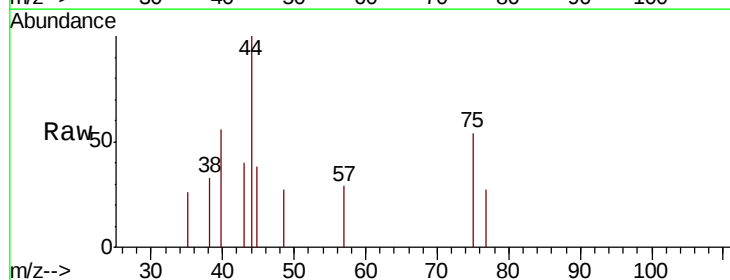
Instrument :
 MSVOA_N
 ClientSampled :
 SPDES-1

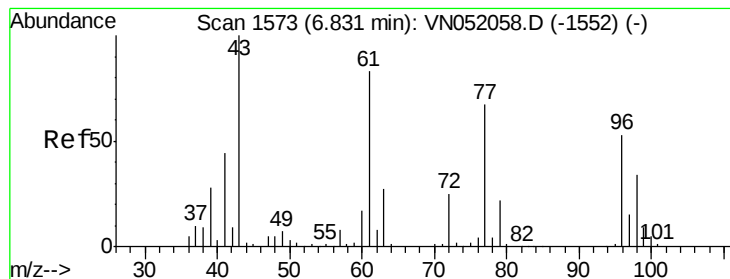
Tgt Ion: 43 Resp: 158
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.2 30.2#



#26
 2,2-Dichloropropane
 Concen: 1.263 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion: 77 Resp: 62
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.5#





#27

cis-1,2-Dichloroethene

Concen: 0.862 ug/l

RT: 7.00 min Scan# 1625

Delta R.T. 0.17 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

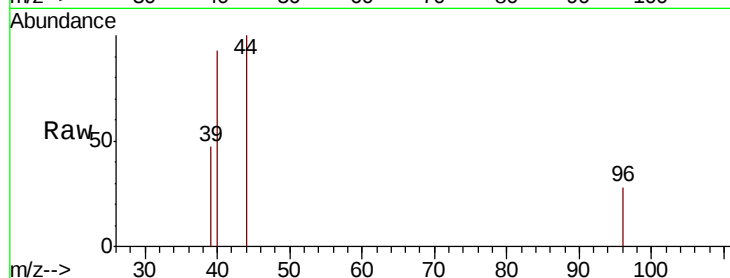
Tgt Ion: 96 Resp: 30

Ion Ratio Lower Upper

96 100

61 0.0 0.0 312.8

98 0.0 0.0 127.0



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

7.00

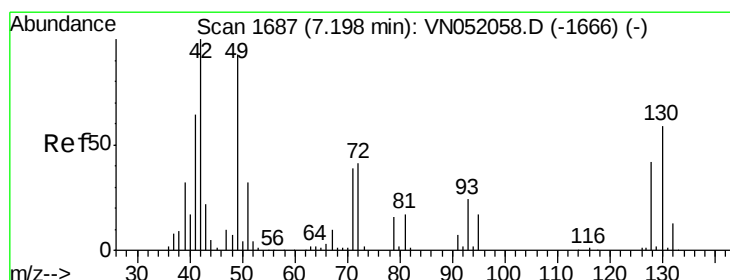
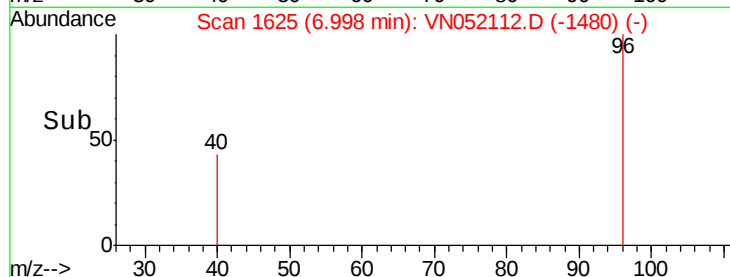
150

100

50

0

Time-->



#28

Bromochloromethane

Concen: 3279.435 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

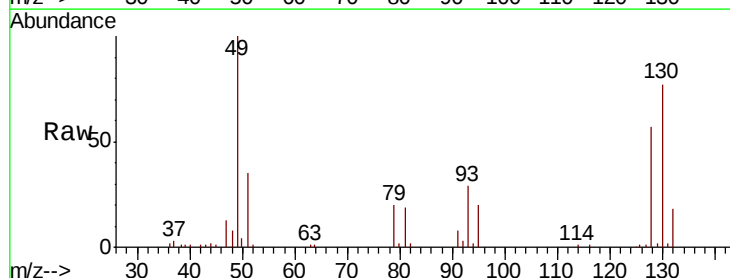
Tgt Ion: 49 Resp: 100457

Ion Ratio Lower Upper

49 100

129 1.5 0.0 2.4

130 72.6 50.8 76.2



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

40000

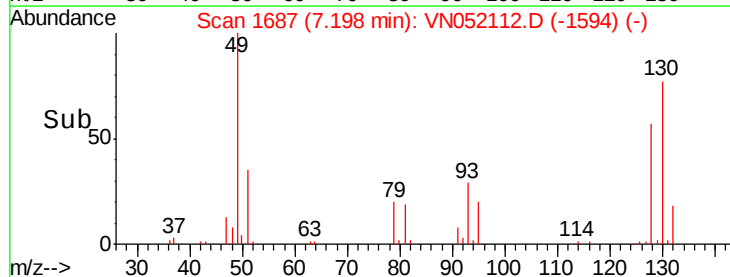
30000

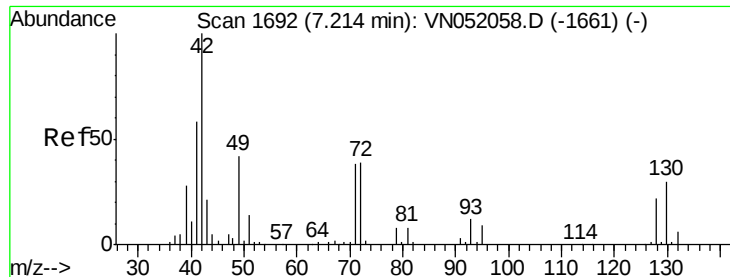
20000

10000

0

Time-->





#29

Tetrahydrofuran

Concen: 27.985 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

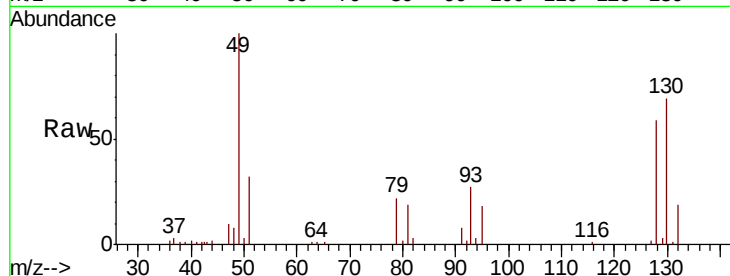
Tgt Ion: 42 Resp: 244

Ion Ratio Lower Upper

42 100

72 27.5 32.5 48.7#

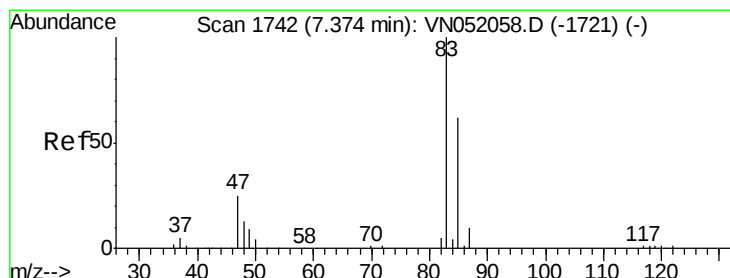
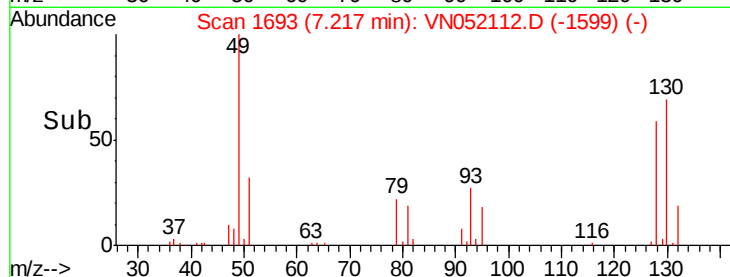
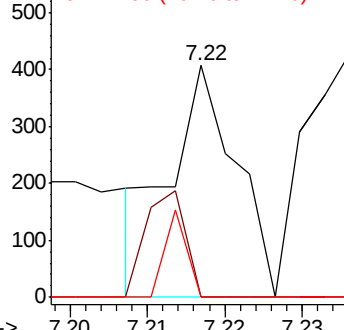
71 11.9 30.6 46.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 59.012 ug/l

RT: 7.38 min Scan# 1745

Delta R.T. 0.01 min

Lab File: VN052112.D

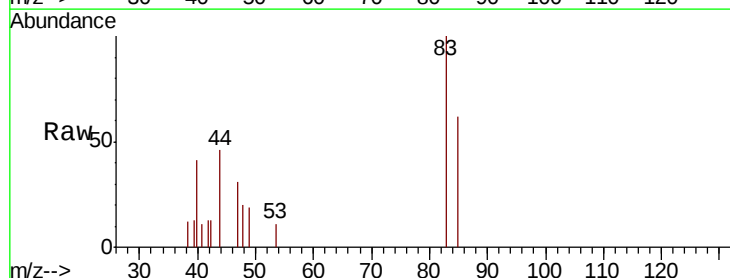
Acq: 1 Nov 2018 19:23

Tgt Ion: 83 Resp: 3641

Ion Ratio Lower Upper

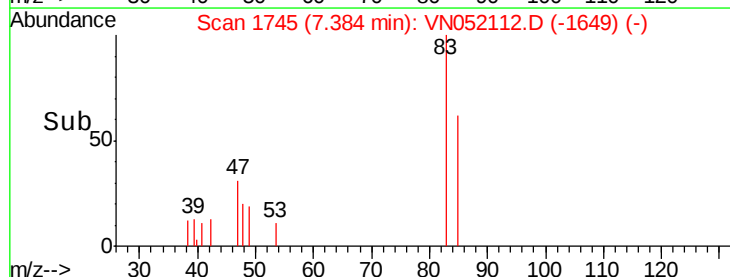
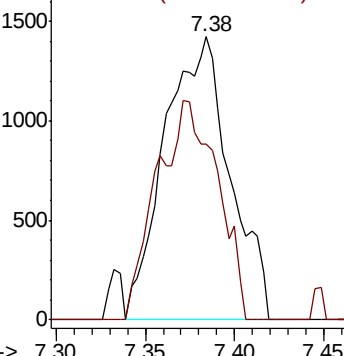
83 100

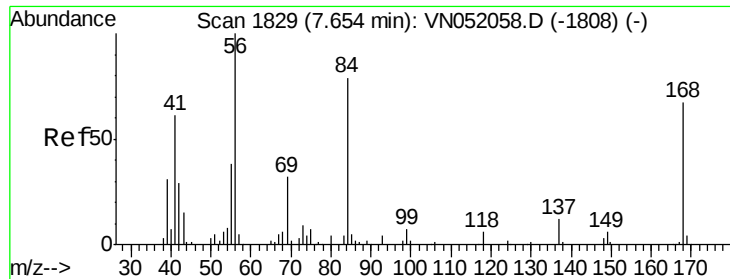
85 62.2 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

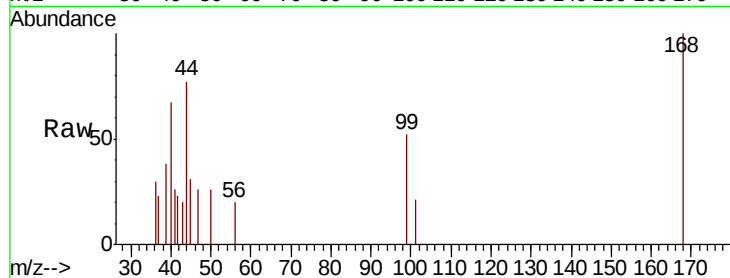




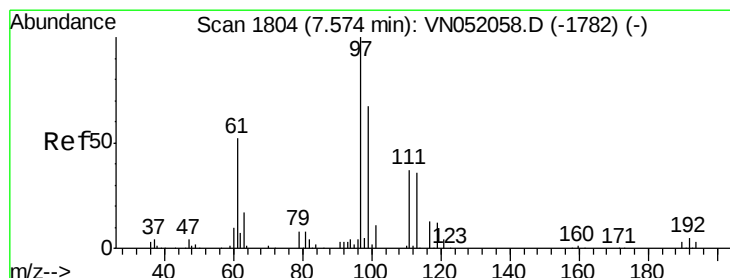
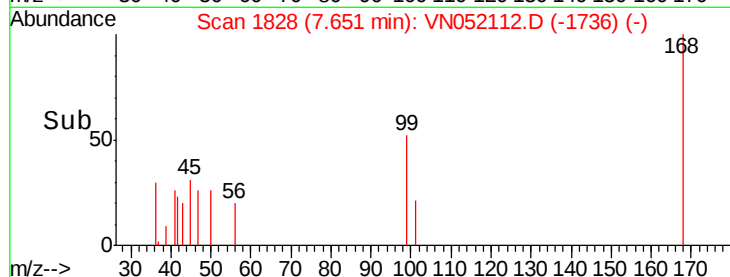
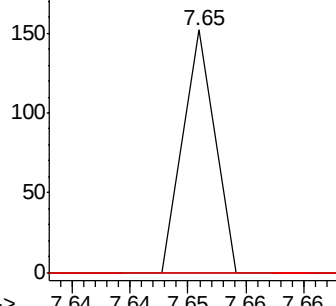
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

Instrument :
MSVOA_N
ClientSampled :
SPDES-1

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
69 0.0 25.8 38.6#
84 0.0 63.5 95.3#

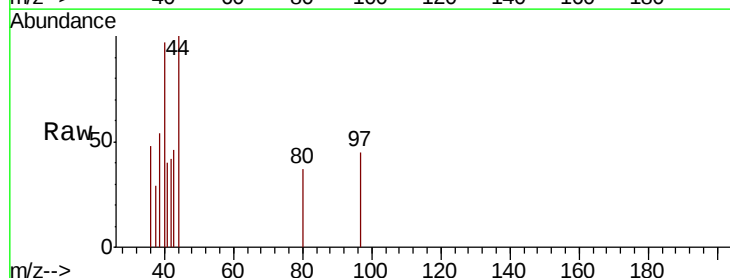


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

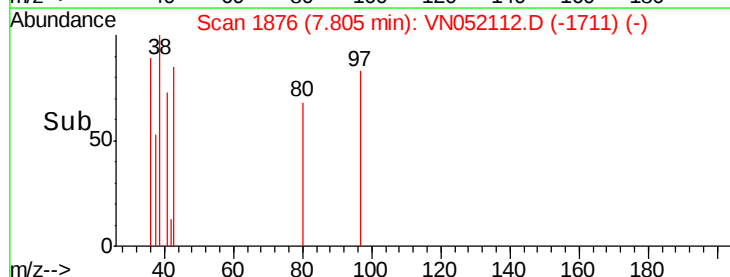
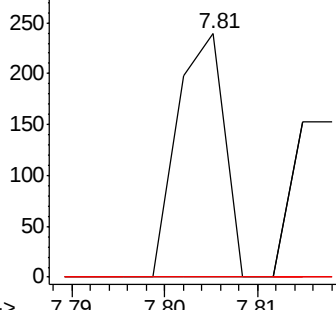


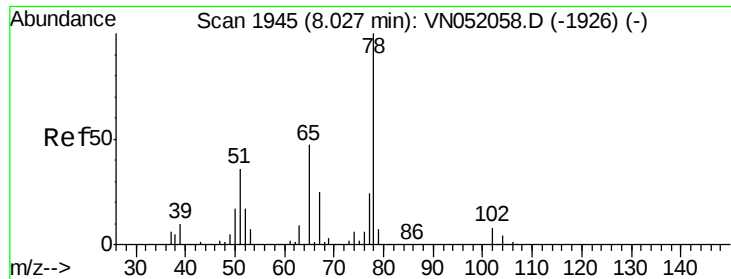
#32
1,1,1-Trichloroethane
Concen: 1.693 ug/l
RT: 7.81 min Scan# 1876
Delta R.T. 0.23 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

Tgt Ion: 97 Resp: 84
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.2#
61 0.0 40.3 60.5#



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

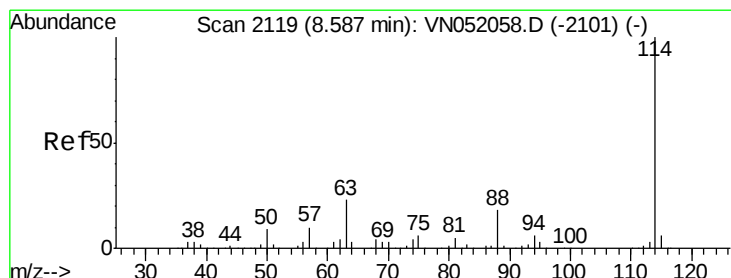
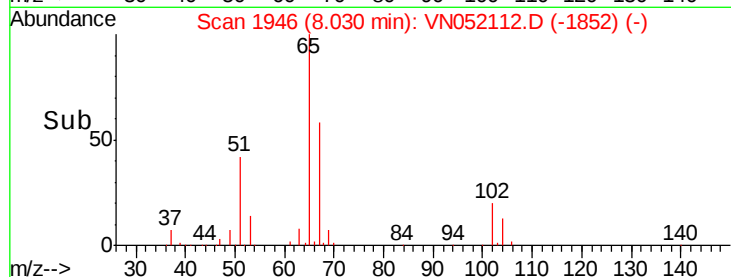
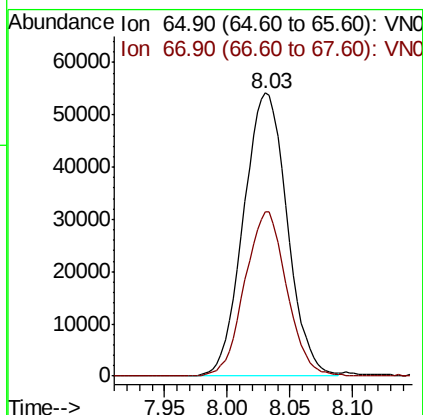
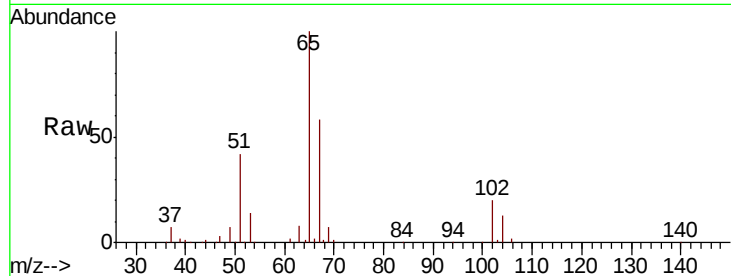




#33
 1,2-Dichloroethane-d4
 Concen: 1.693 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

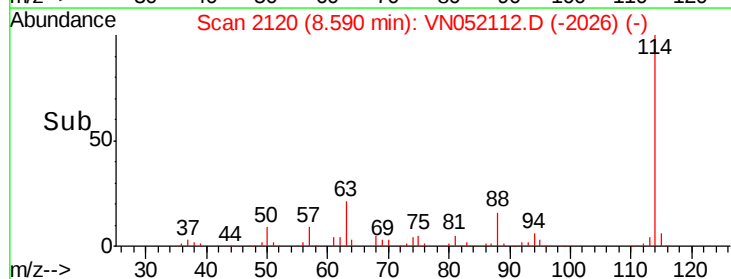
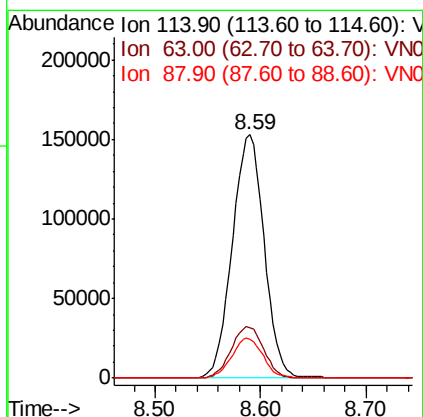
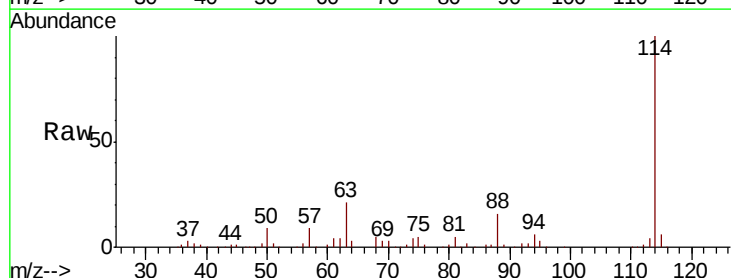
Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

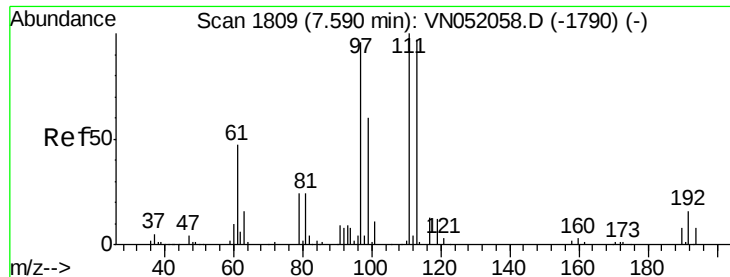
Tgt Ion: 65 Resp: 131436
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion: 114 Resp: 321522
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 46.0
 88 15.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

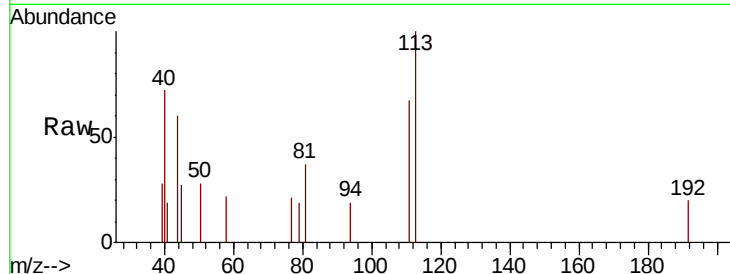
Tgt Ion:113 Resp: 1417

Ion Ratio Lower Upper

113 100

111 65.2 83.1 124.7#

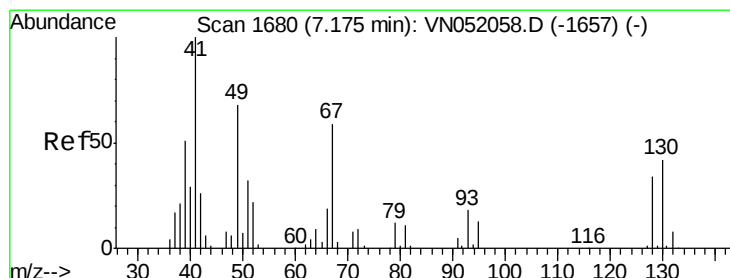
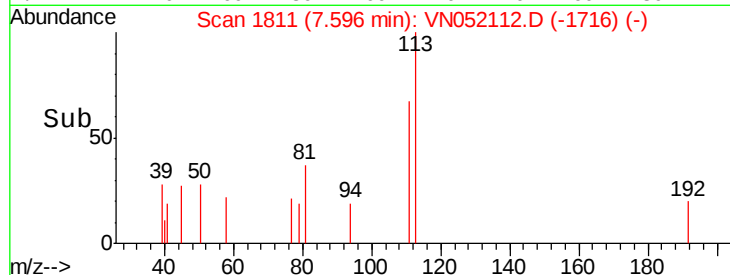
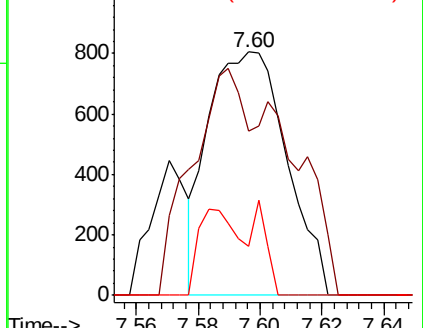
192 18.8 12.7 19.1



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



#41

Methacrylonitrile

Concen: 0.262 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Tgt Ion: 41 Resp: 136

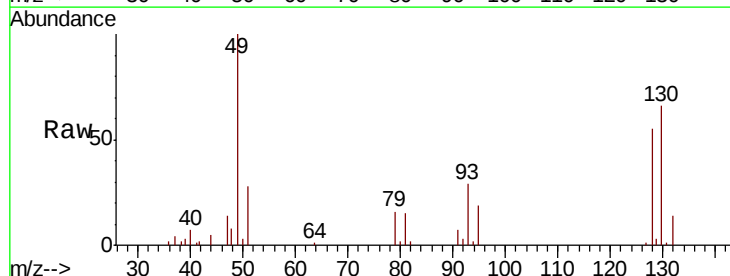
Ion Ratio Lower Upper

41 100

39 260.3 33.2 49.8#

67 0.0 63.5 95.3#

52 0.0 25.6 38.4#

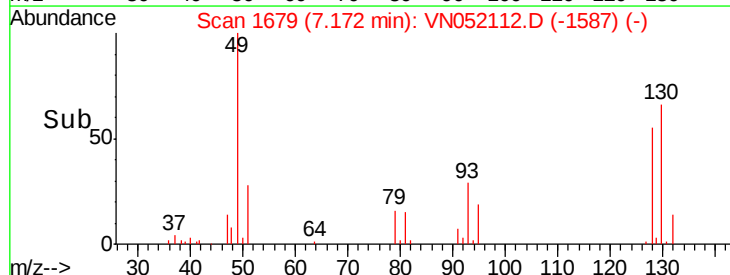
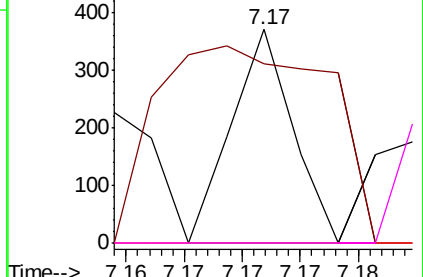


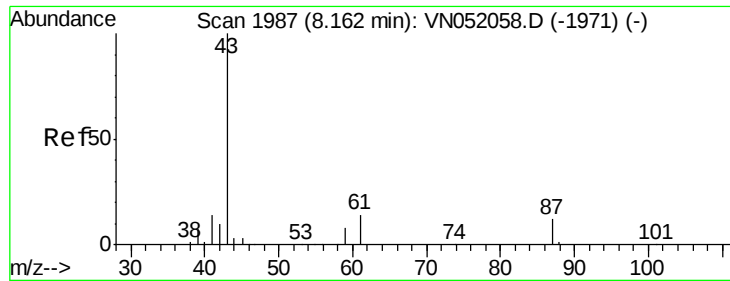
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

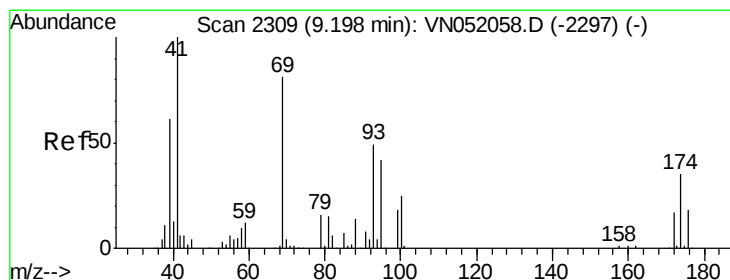
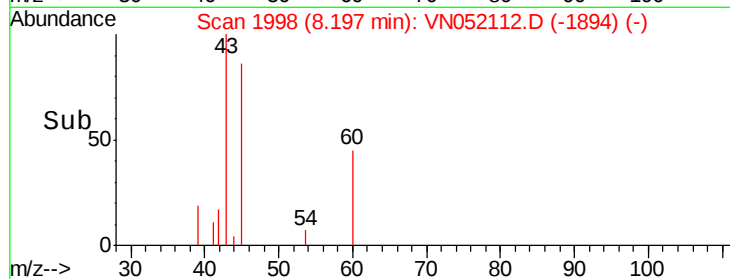
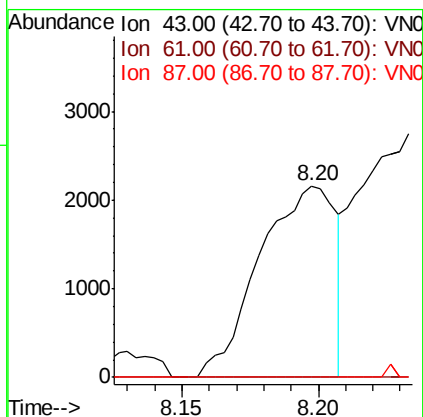
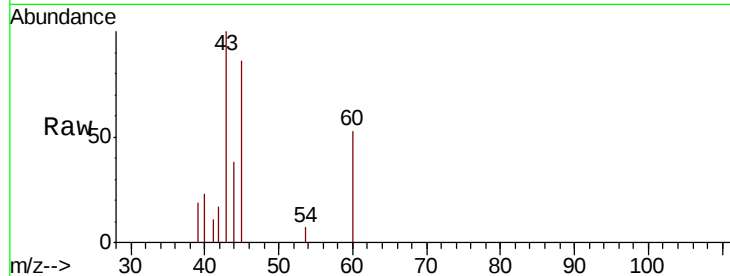




#43
Isopropyl Acetate
Concen: 1.073 ug/l
RT: 8.20 min Scan# 1998
Delta R.T. 0.04 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

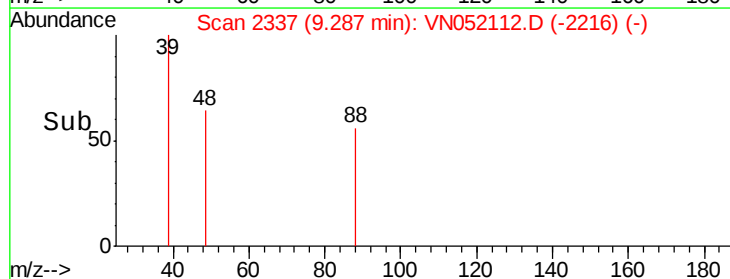
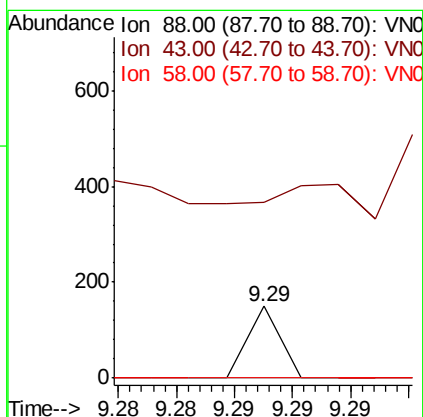
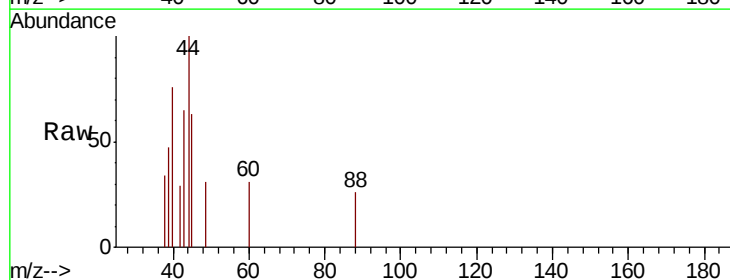
Instrument :
MSVOA_N
ClientSampled :
SPDES-1

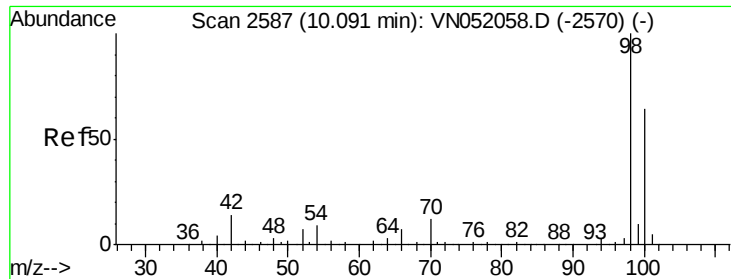
Tgt Ion: 43 Resp: 4175
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 9.8 14.8#



#49
1,4-Dioxane
Concen: 26.770 ug/l
RT: 9.29 min Scan# 2337
Delta R.T. 0.09 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 34.1 51.1#
58 0.0 62.8 94.2#





#50

Toluene-d8

Concen: 26.770 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

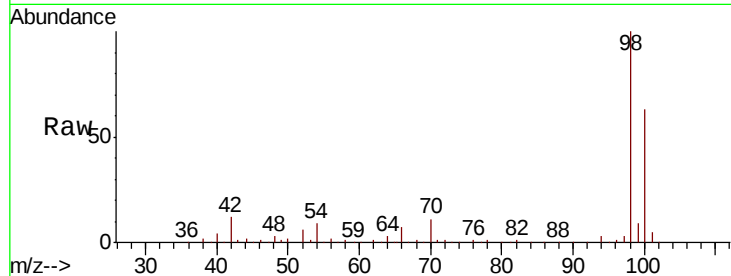
SPDES-1

Tgt Ion: 98 Resp: 395334

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052112.D (-2494) (-)

10.09

200000

150000

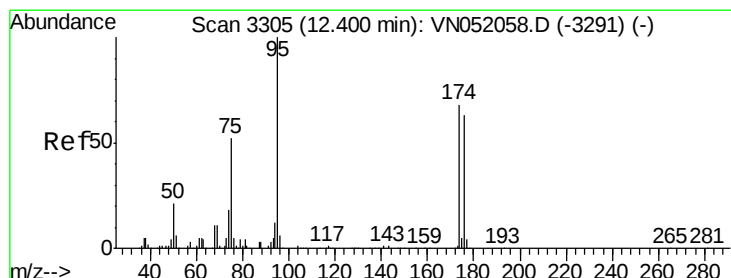
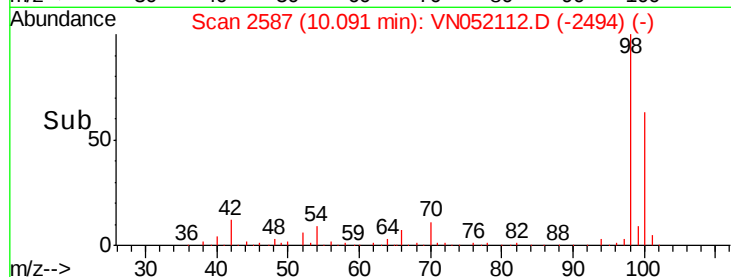
100000

50000

0

Time-->

10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

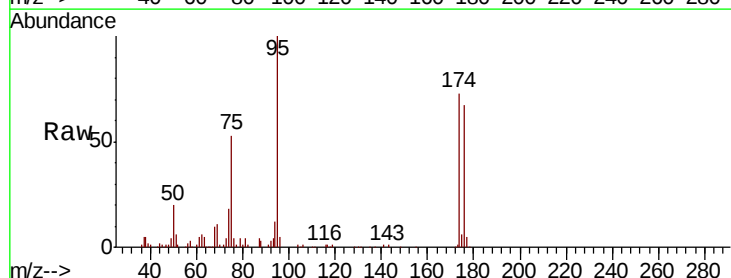
Tgt Ion: 95 Resp: 119552

Ion Ratio Lower Upper

95 100

174 73.4 0.0 131.8

176 69.0 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VN052058.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052058.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052112.D (-3212) (-)

12.40

100000

80000

60000

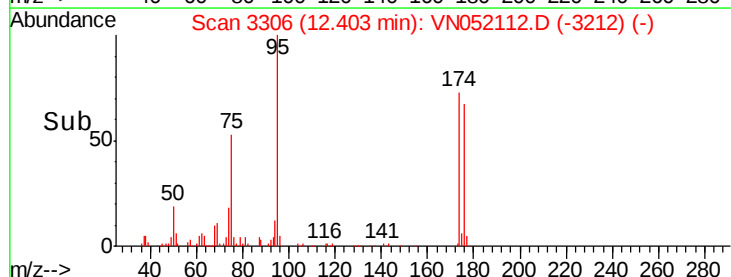
40000

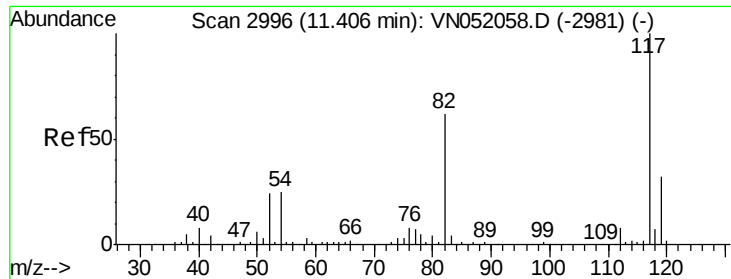
20000

0

Time-->

12.35 12.40 12.45

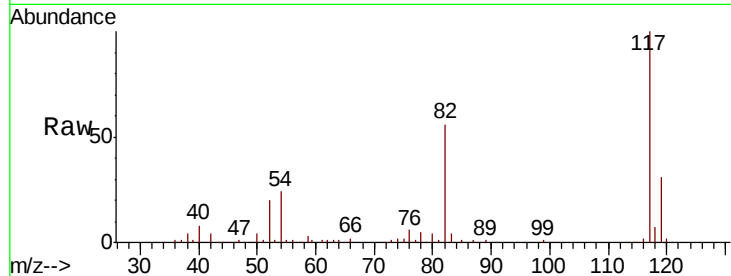




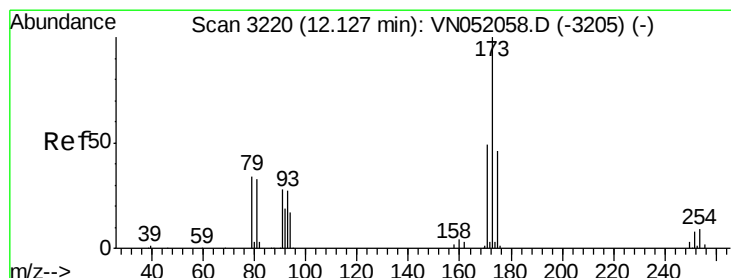
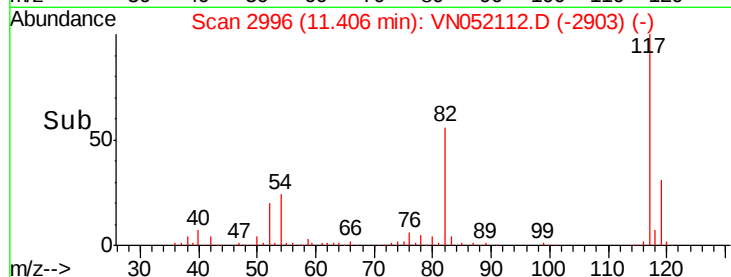
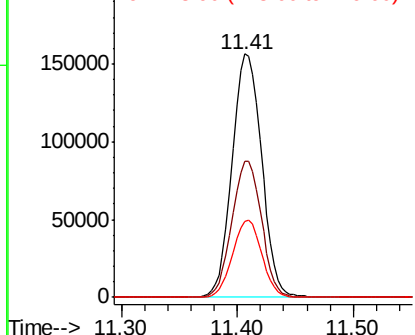
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tgt Ion:117 Resp: 275370
Ion Ratio Lower Upper
117 100
82 55.8 49.9 74.9
119 31.3 25.7 38.5

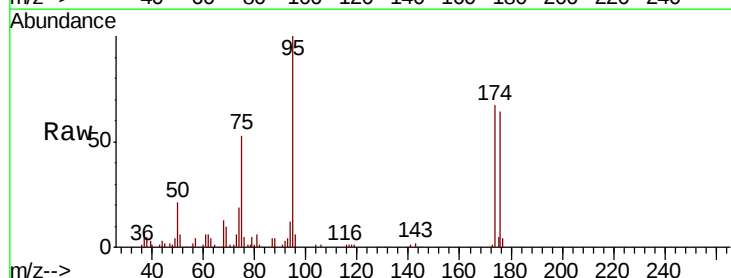


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

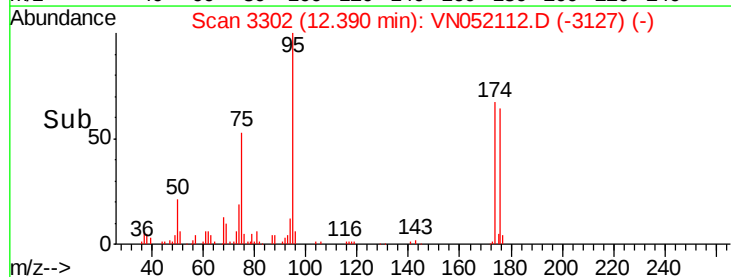
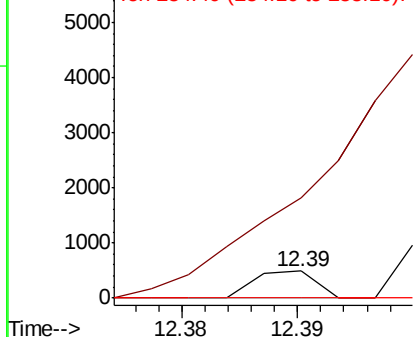


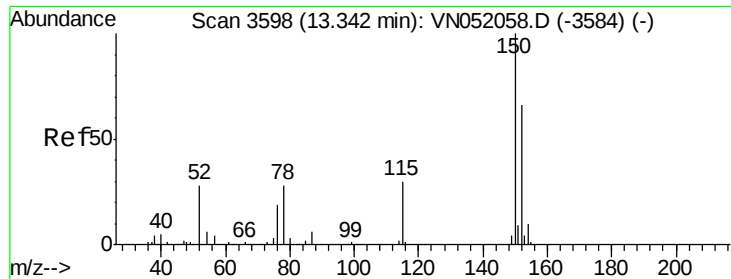
#71
Bromoform
Concen: 2.325 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN052112.D
Acq: 1 Nov 2018 19:23

Tgt Ion:173 Resp: 180
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.7#
254 0.0 0.0 0.0



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: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

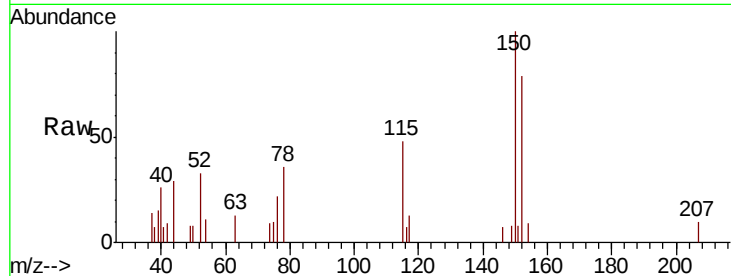
Tgt Ion:152 Resp: 2920

Ion Ratio Lower Upper

152 100

115 68.5 31.6 95.0

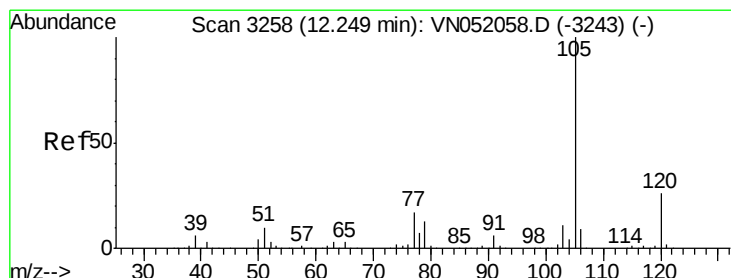
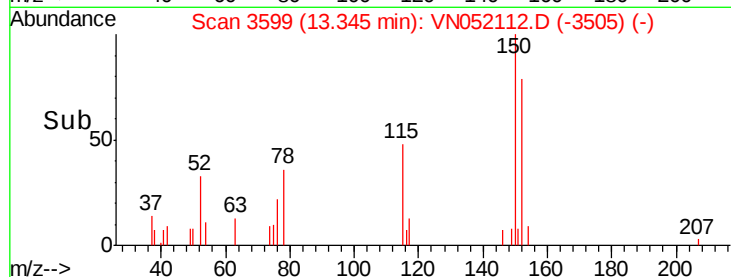
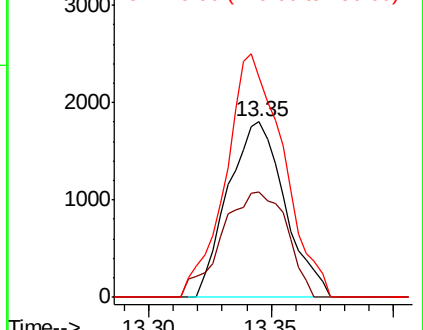
150 140.1 0.0 345.0



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: 0.360 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052112.D

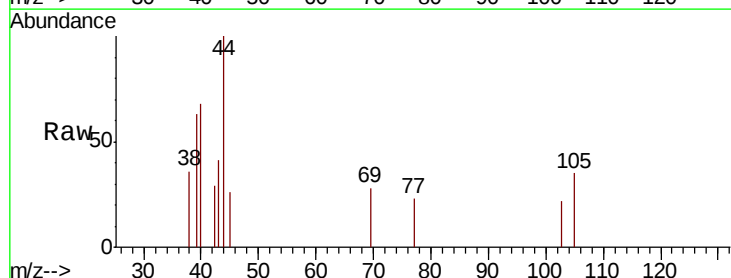
Acq: 1 Nov 2018 19:23

Tgt Ion:105 Resp: 90

Ion Ratio Lower Upper

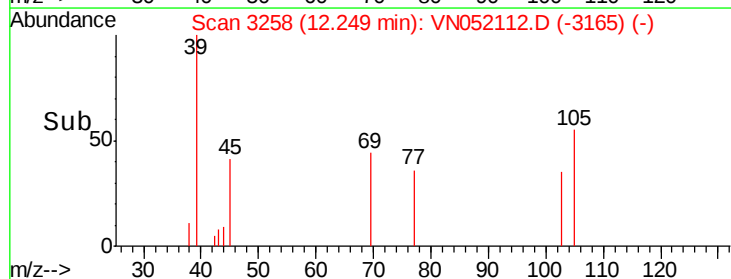
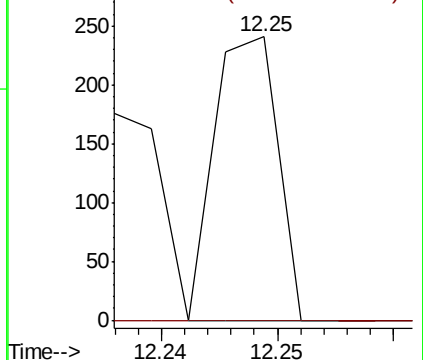
105 100

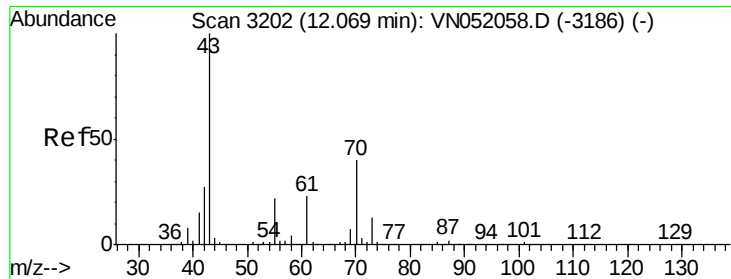
120 0.0 12.8 38.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 2.295 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampled :

SPDES-1

Tgt Ion: 43 Resp: 200

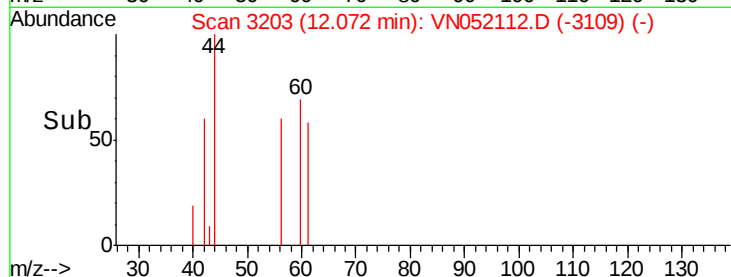
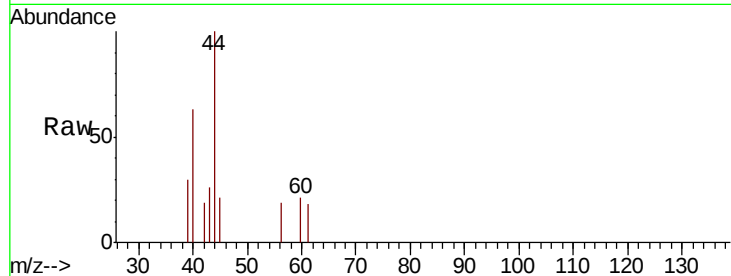
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 0.0 18.4 27.6#

61 15.5 18.2 27.4#

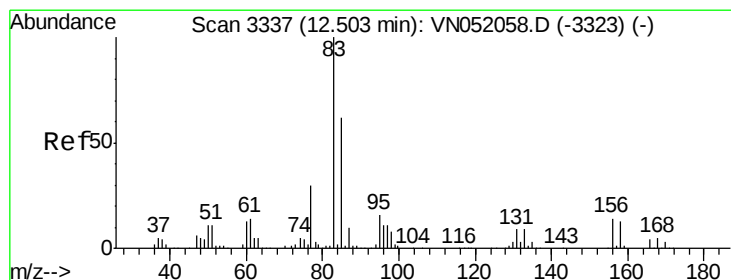
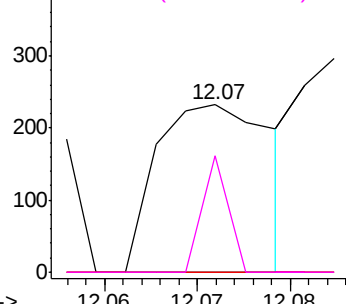


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.136 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. -0.11 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

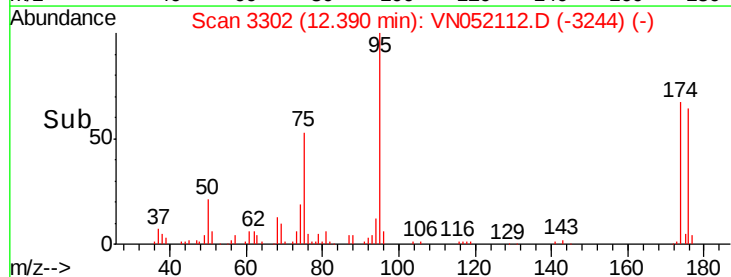
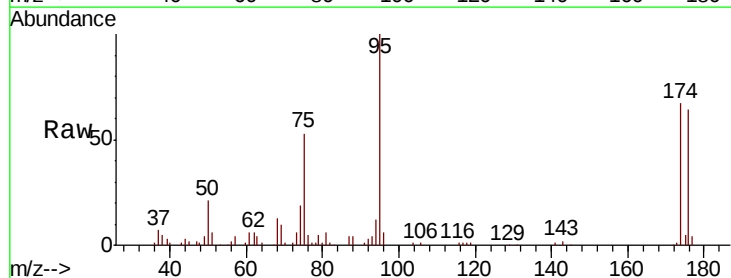
Tgt Ion: 83 Resp: 68

Ion Ratio Lower Upper

83 100

131 317.6 4.5 13.4#

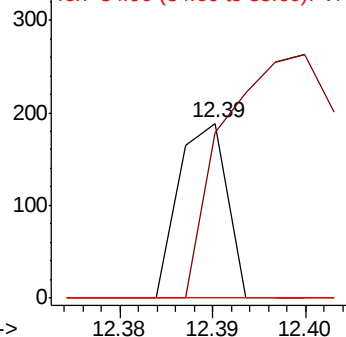
85 0.0 31.3 93.9#

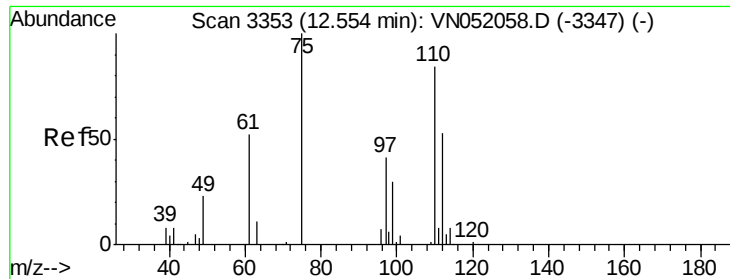


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1177.863 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampled :

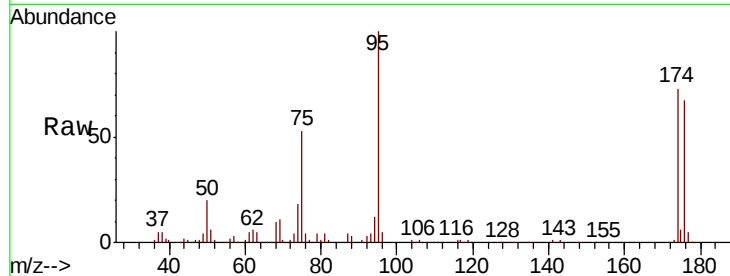
SPDES-1

Tgt Ion: 75 Resp: 62959

Ion Ratio Lower Upper

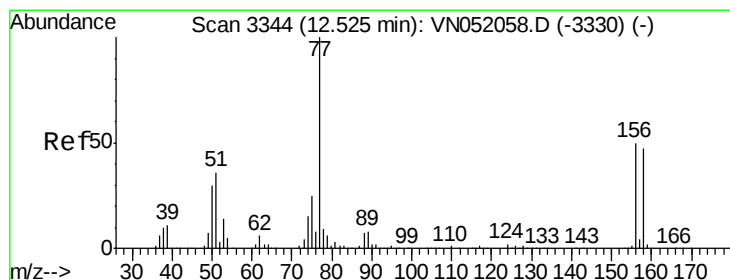
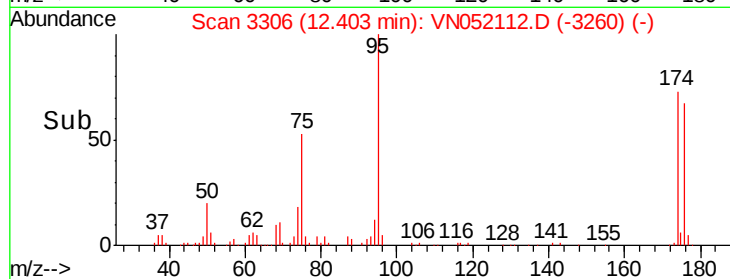
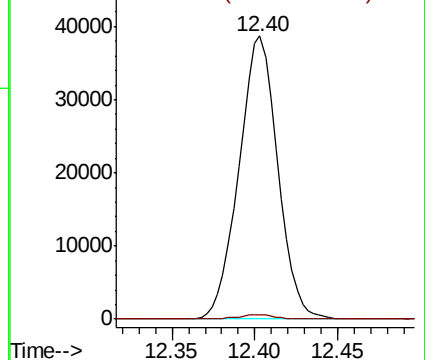
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.206 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

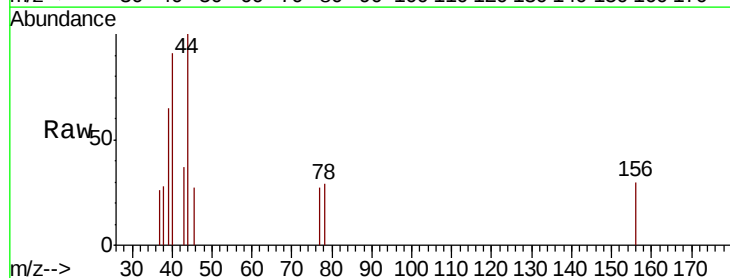
Tgt Ion: 156 Resp: 63

Ion Ratio Lower Upper

156 100

77 104.8 119.6 358.6#

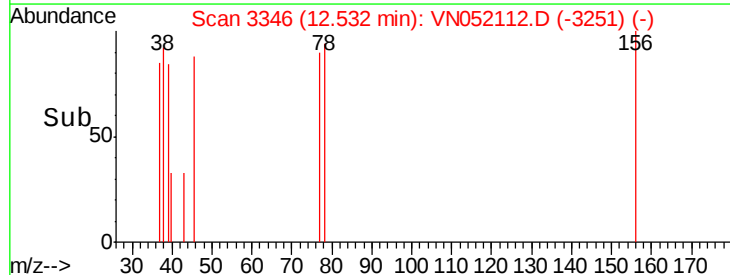
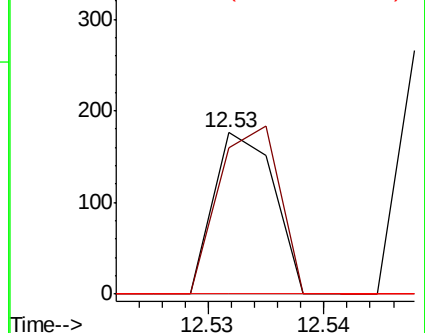
158 0.0 47.8 143.4#

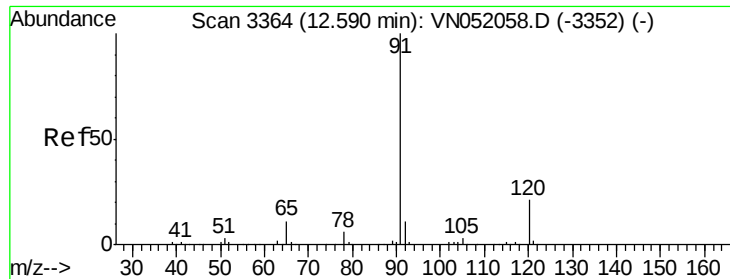


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 2.555 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.01 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

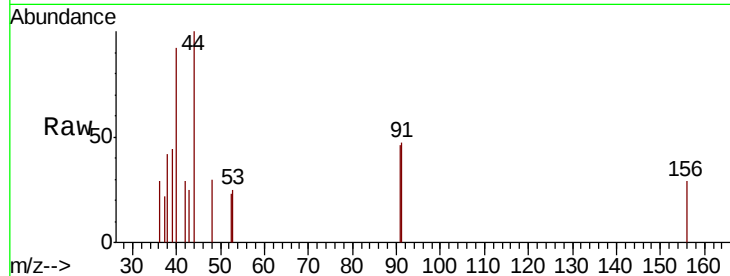
SPDES-1

Tgt Ion: 91 Resp: 773

Ion Ratio Lower Upper

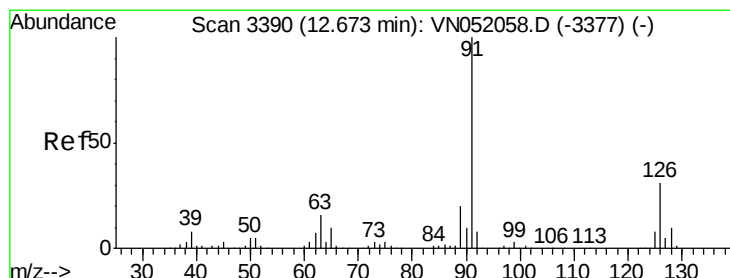
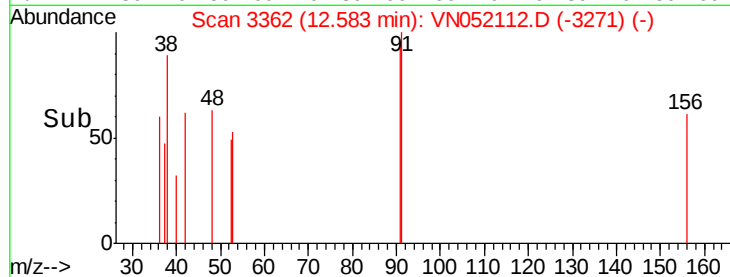
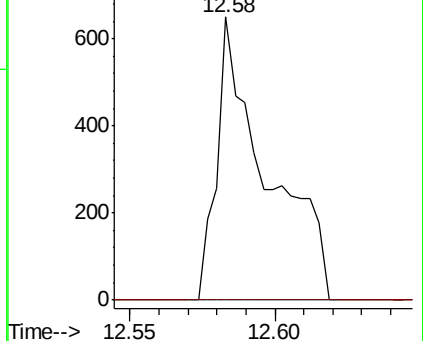
91 100

120 0.0 10.8 32.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.293 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052112.D

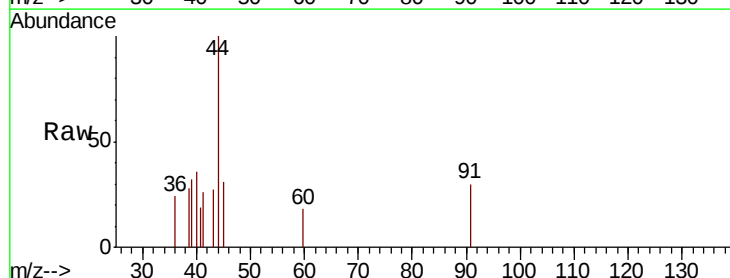
Acq: 1 Nov 2018 19:23

Tgt Ion: 91 Resp: 228

Ion Ratio Lower Upper

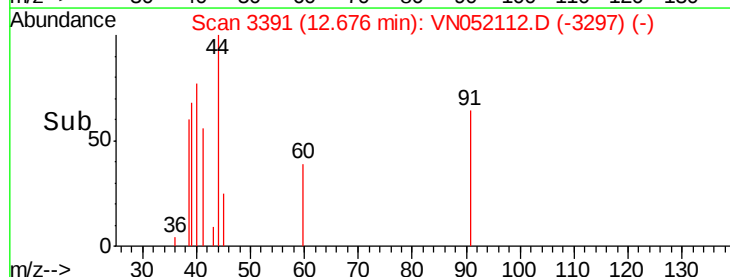
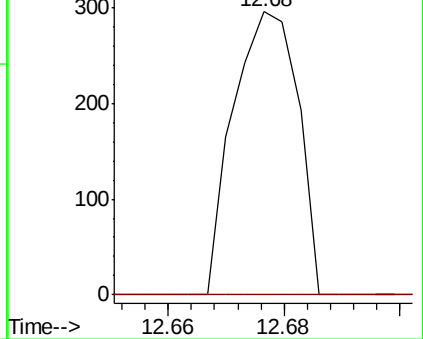
91 100

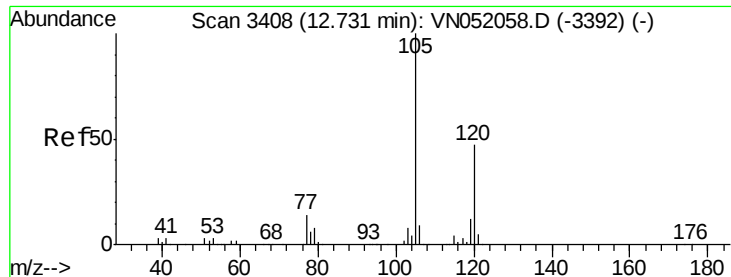
126 0.0 15.9 47.6#



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: 0.551 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampled :

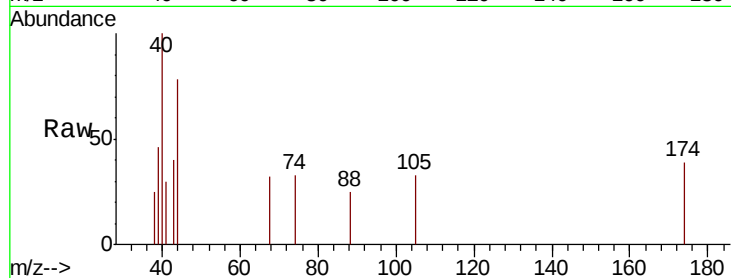
SPDES-1

Tgt Ion: 105 Resp: 112

Ion Ratio Lower Upper

105 100

120 0.0 23.4 70.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.74

250

200

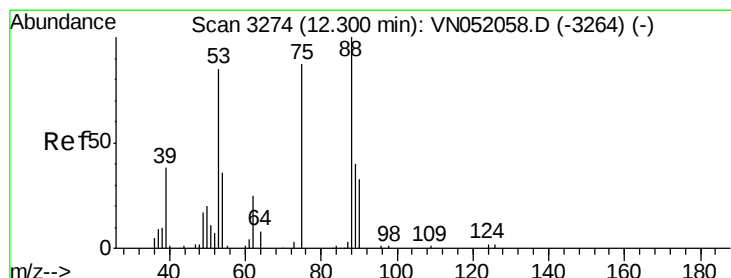
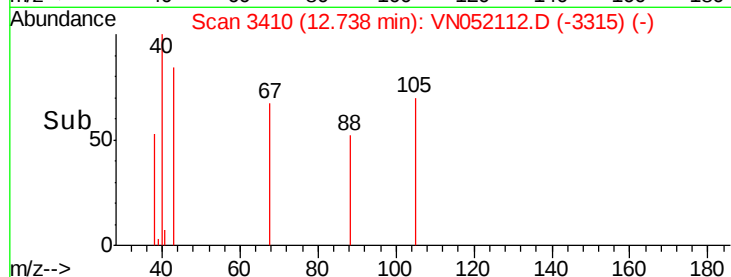
150

100

50

0

Time--> 12.72 12.73 12.74 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 3909.515 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

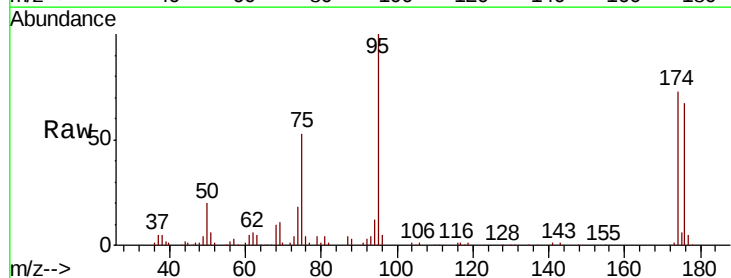
Tgt Ion: 75 Resp: 62959

Ion Ratio Lower Upper

75 100

53 0.1 81.8 122.6#

89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

50000

40000

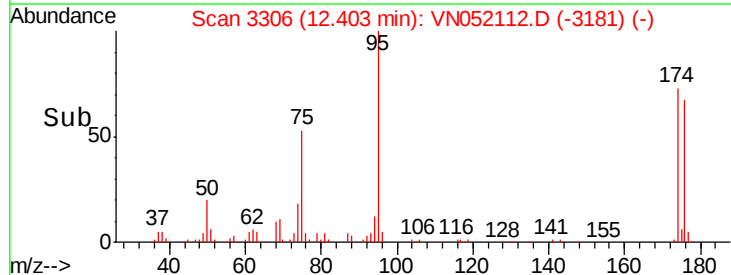
30000

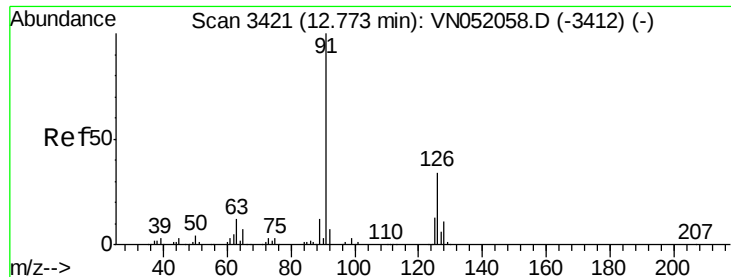
20000

10000

0

Time--> 12.35 12.40 12.45





#82

4-Chlorotoluene

Concen: 1.384 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampled :

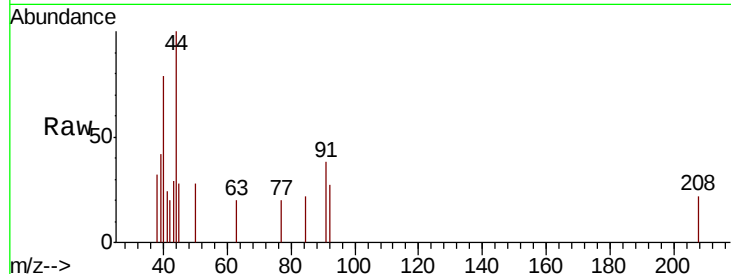
SPDES-1

Tgt Ion: 91 Resp: 249

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.77

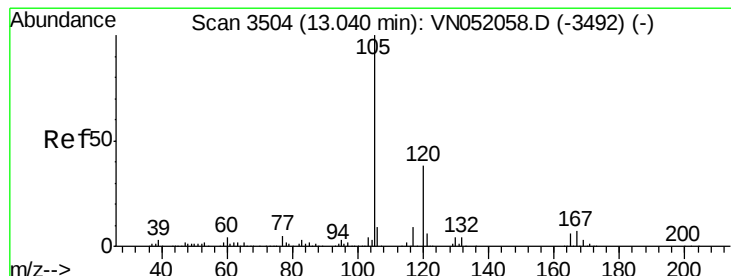
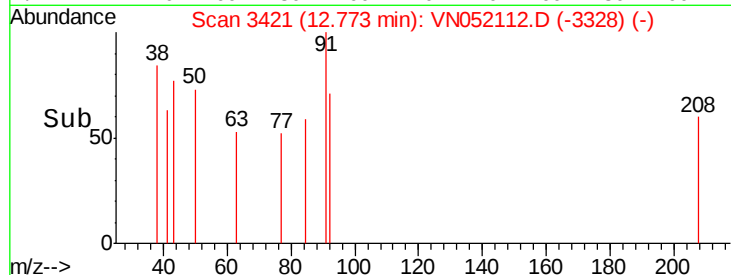
300

200

100

0

Time--> 12.74 12.76 12.78



#84

1,2,4-Trimethylbenzene

Concen: 0.583 ug/l

RT: 13.06 min Scan# 3509

Delta R.T. 0.02 min

Lab File: VN052112.D

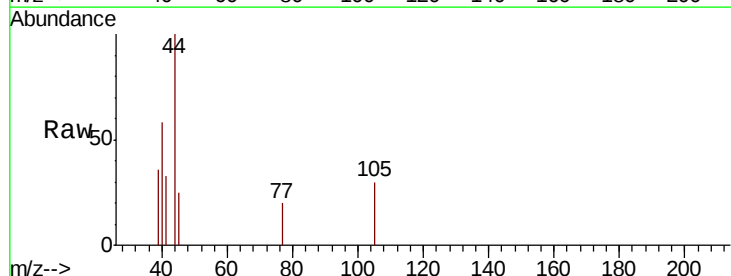
Acq: 1 Nov 2018 19:23

Tgt Ion: 105 Resp: 118

Ion Ratio Lower Upper

105 100

120 0.0 21.9 65.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.06

250

200

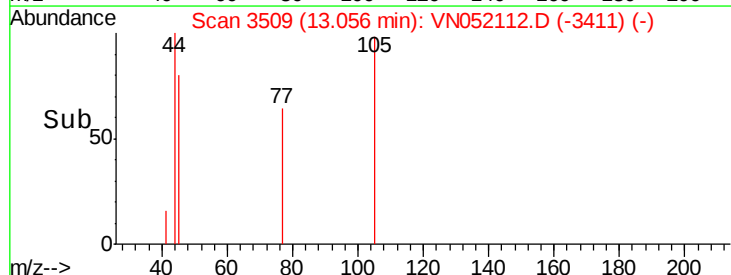
150

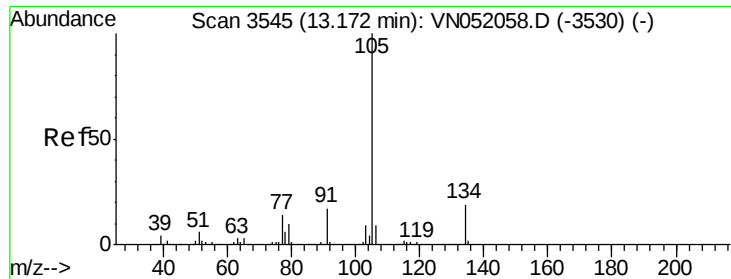
100

50

0

Time--> 13.04 13.05 13.06 13.07

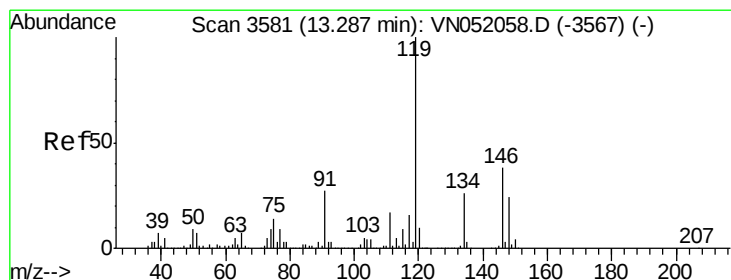
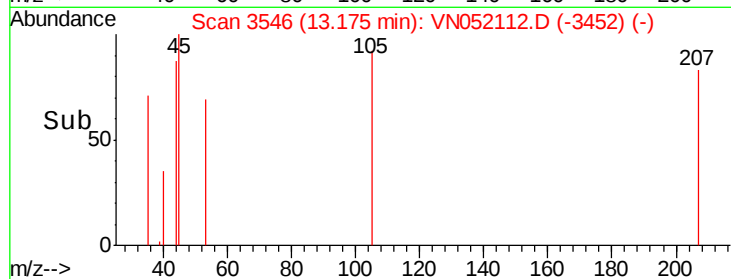
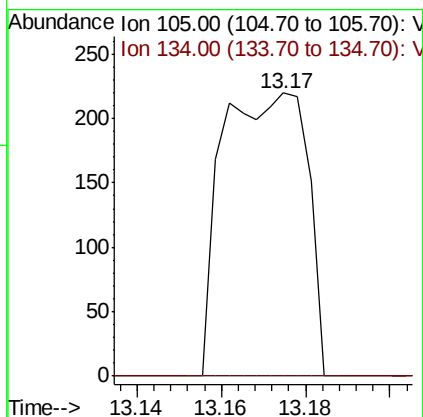
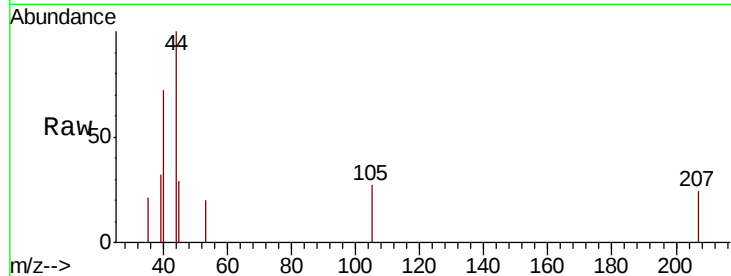




#85
 sec-Butylbenzene
 Concen: 1.251 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

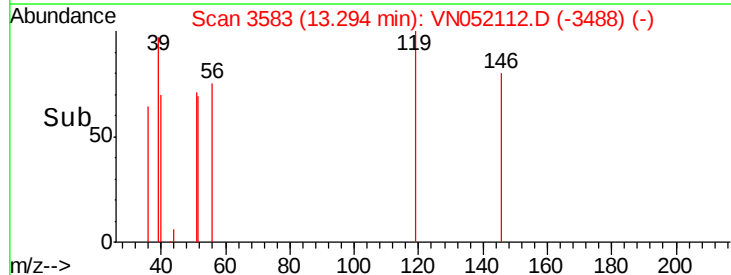
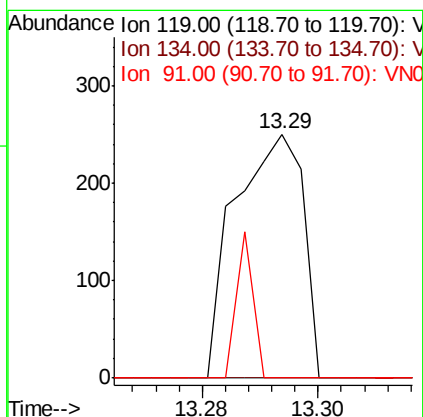
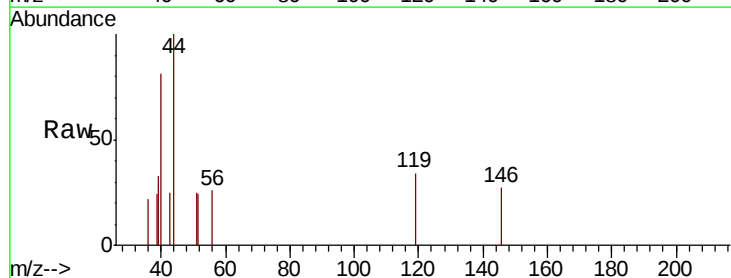
Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

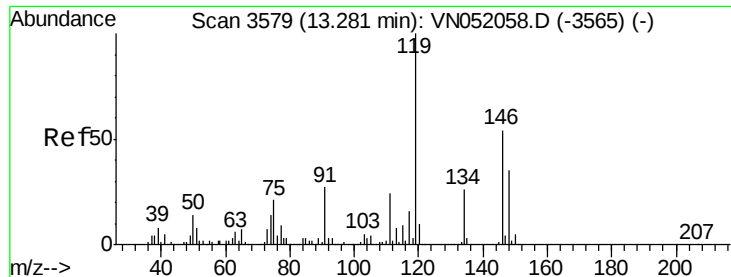
Tgt Ion:105 Resp: 305
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.1 27.3#



#86
 p-Isopropyltoluene
 Concen: 1.027 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion:119 Resp: 204
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.8 38.3#
 91 14.2 13.4 40.2

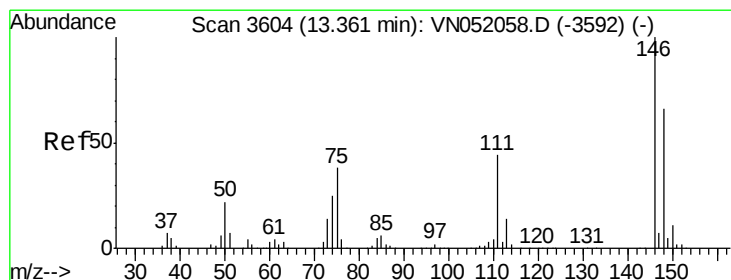
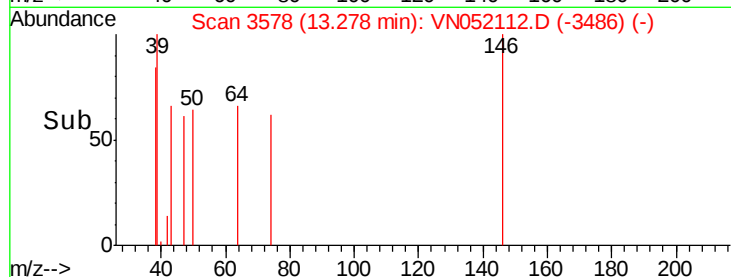
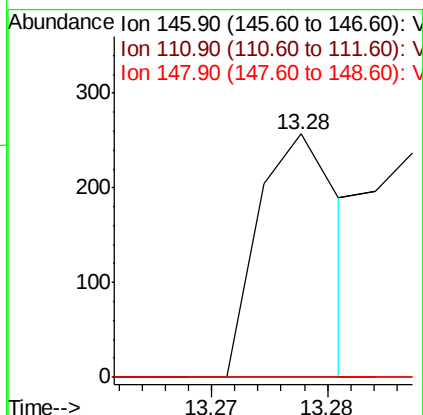
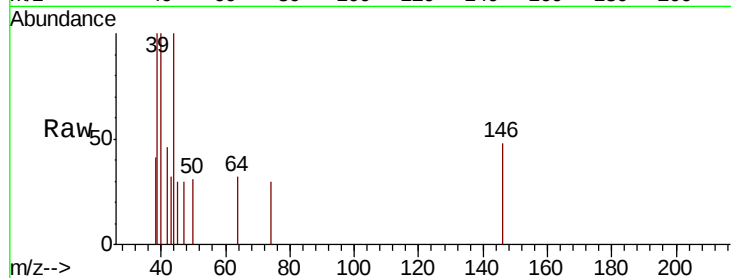




#87
 1,3-Dichlorobenzene
 Concen: 1.322 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

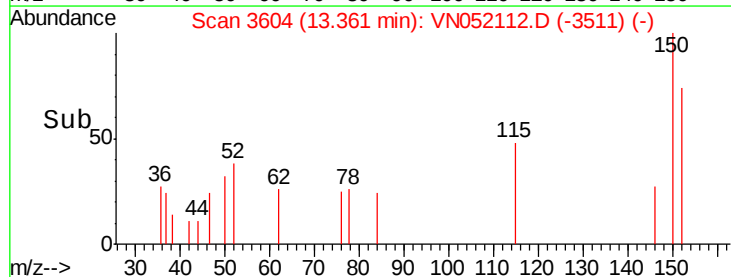
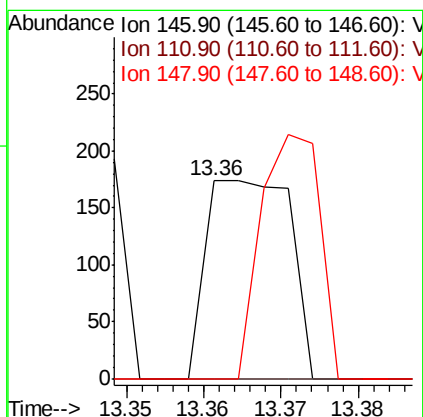
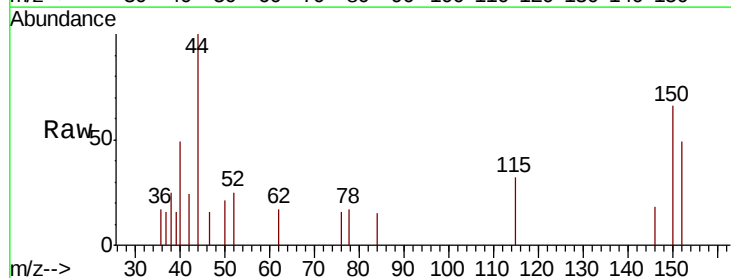
Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

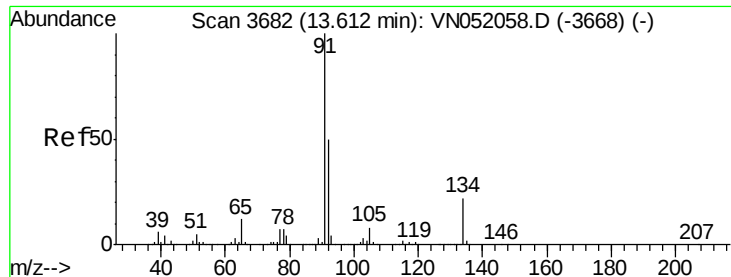
Tgt Ion:146 Resp: 126
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.9 68.8#
 148 0.0 31.8 95.4#



#88
 1,4-Dichlorobenzene
 Concen: 1.382 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion:146 Resp: 132
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.9 65.8#
 148 85.6 32.6 98.0





#89

n-Butylbenzene

Concen: 1.558 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052112.D

Acq: 1 Nov 2018 19:23

Instrument :

MSVOA_N

ClientSampleId :

SPDES-1

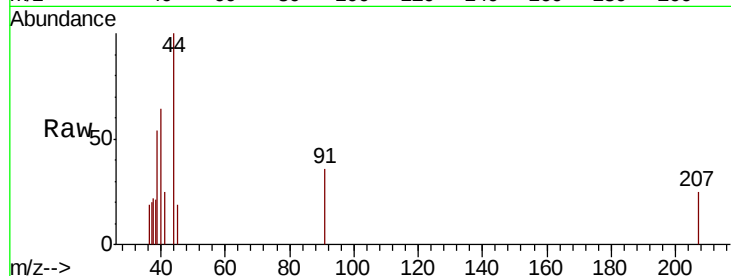
Tgt Ion: 91 Resp: 295

Ion Ratio Lower Upper

91 100

92 10.5 25.3 75.8#

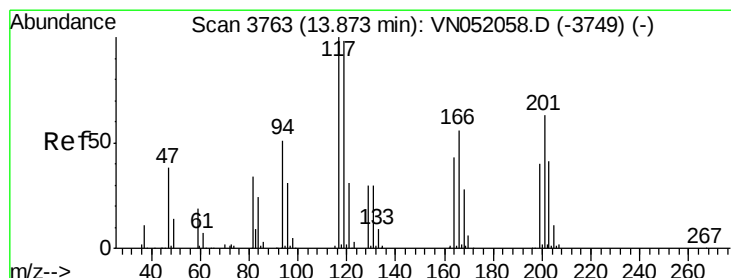
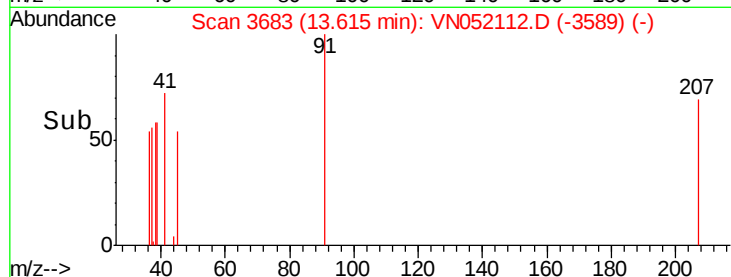
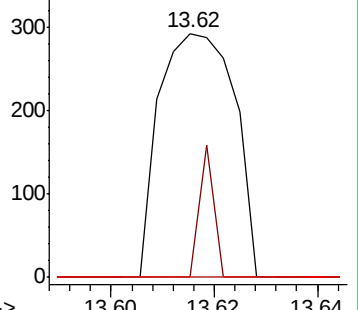
134 0.0 11.2 33.5#



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052058.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052058.D (-3668) (-)



#90

Hexachloroethane

Concen: 0.970 ug/l

RT: 13.98 min Scan# 3797

Delta R.T. 0.11 min

Lab File: VN052112.D

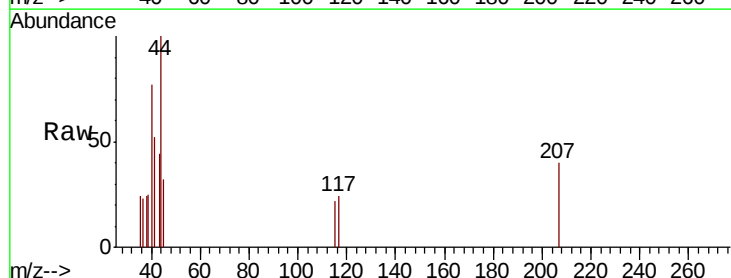
Acq: 1 Nov 2018 19:23

Tgt Ion: 117 Resp: 33

Ion Ratio Lower Upper

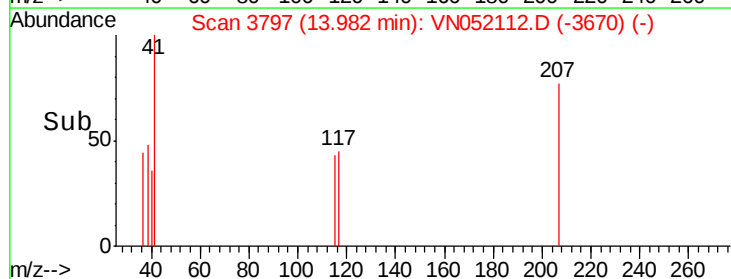
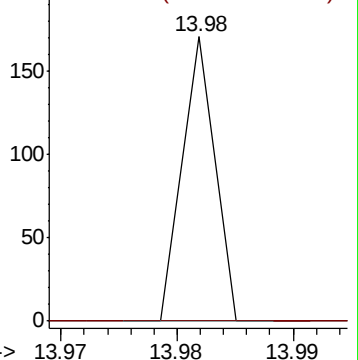
117 100

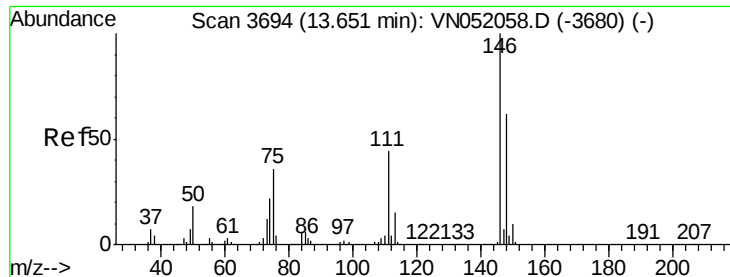
201 0.0 31.1 93.5#



Abundance Ion 116.80 (116.50 to 117.50): VN052058.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052058.D (-3749) (-)

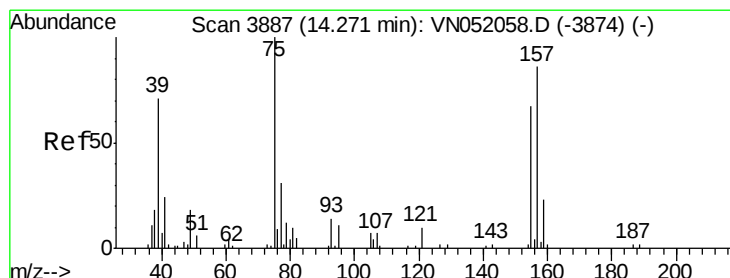
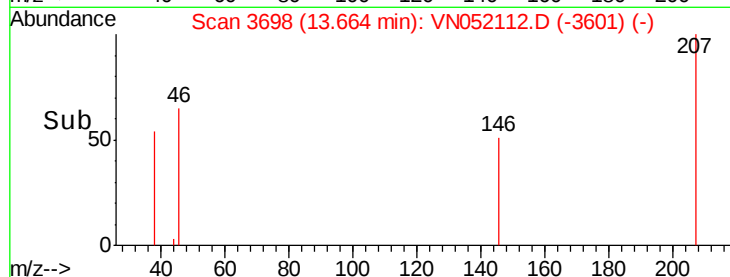
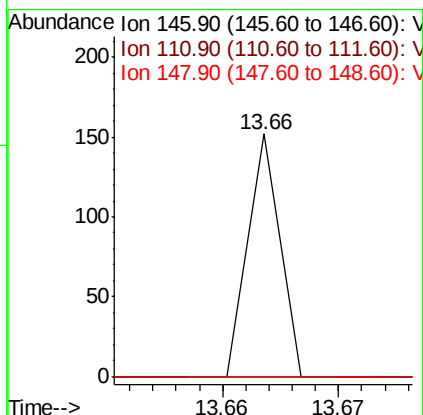
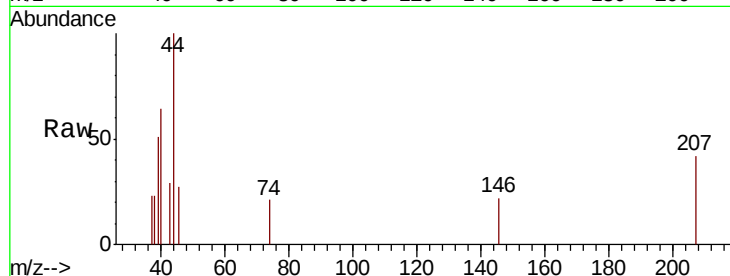




#91
 1,2-Dichlorobenzene
 Concen: 0.324 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.01 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

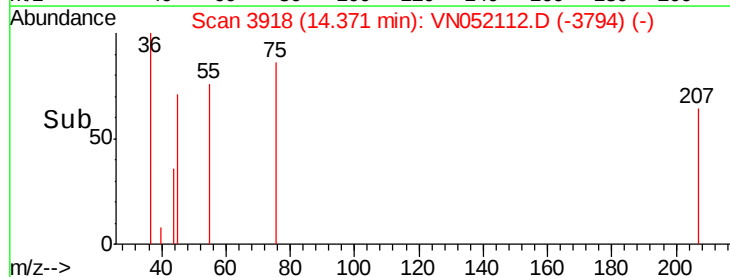
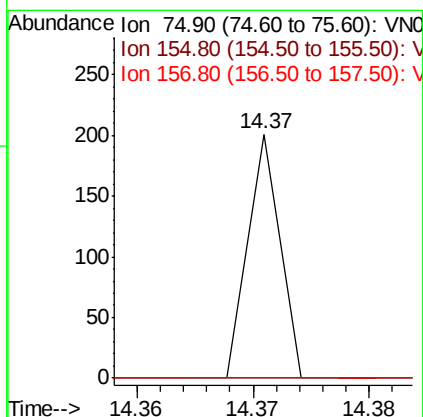
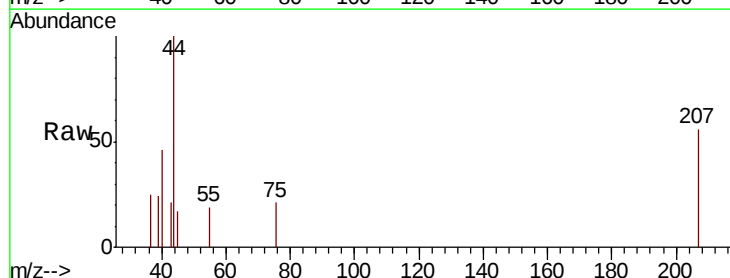
Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

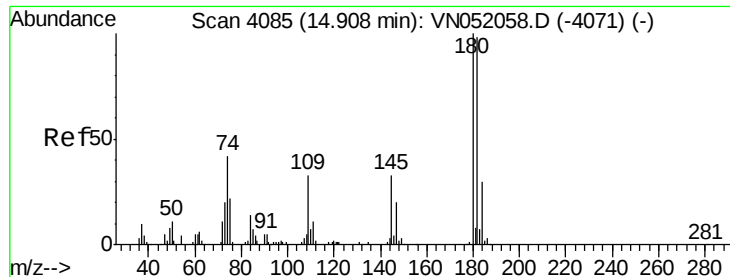
Tgt Ion: 146 Resp: 29
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.5 67.5#
 148 0.0 30.9 92.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.355 ug/l
 RT: 14.37 min Scan# 3918
 Delta R.T. 0.10 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion: 75 Resp: 39
 Ion Ratio Lower Upper
 75 100
 155 0.0 34.0 102.0#
 157 0.0 42.1 126.4#

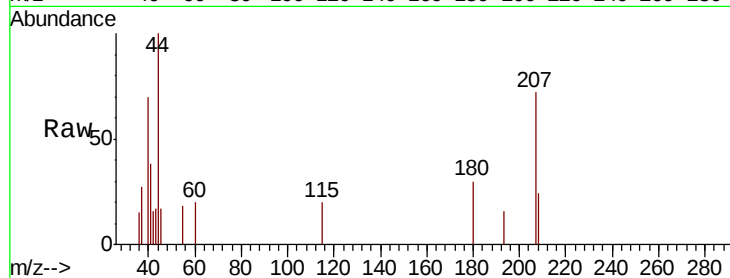




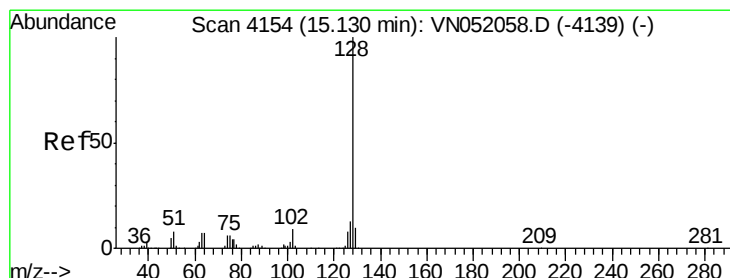
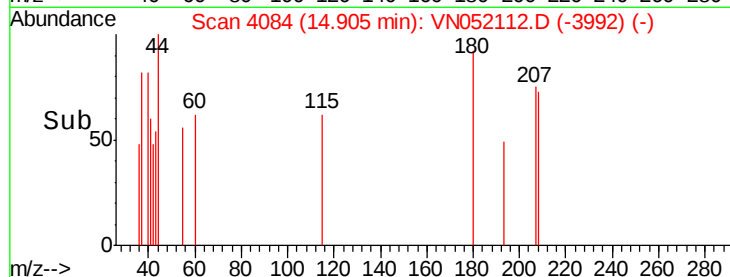
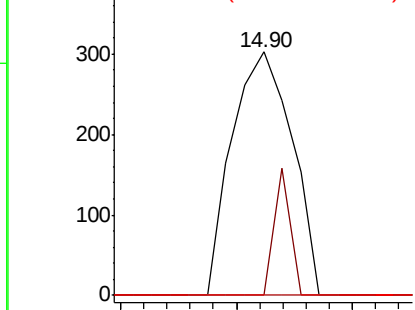
#93
 1,2,4-Trichlorobenzene
 Concen: 6.505 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Tgt Ion:180 Resp: 217
 Ion Ratio Lower Upper
 180 100
 182 13.8 49.1 147.4#
 145 0.0 16.4 49.2#

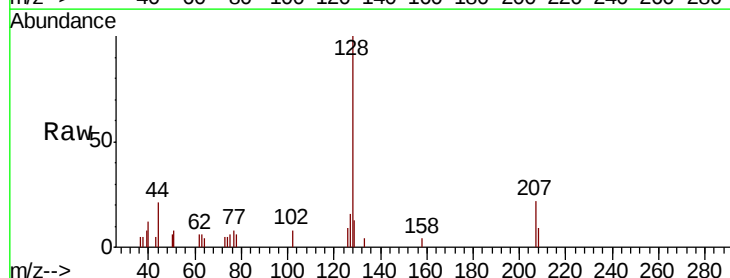


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 87.371 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN052112.D
 Acq: 1 Nov 2018 19:23

Tgt Ion:128 Resp: 7310
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.5 15.7
 129 9.3 8.6 12.8



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

