

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051622.D
 Acq On : 28 Sep 2018 18:23
 Operator : MD\SY
 Sample : J4870-02DL 2X
 Misc : Sample
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

Quant Time: Sep 29 01:58:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	71419	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	381039	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	340812	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	148021	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	12.40	95	142415	27.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.57%
63) Toluene-d8	10.09	98	460272	28.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.40%

Target Compounds

					Ovalue
3) Chloromethane	2.06	50	4003	0.571	ug/l 90
4) Vinyl Chloride	2.19	62	184053	26.750	ug/l 95
5) Bromomethane	2.57	94	156837	43.883	ug/l 98
6) Chloroethane	2.71	64	74294	21.524	ug/l 97
11) Methyl Iodide	3.95	142	2619	0.472	ug/l 84
14) Acrylonitrile	5.04	53	4975	3.264	ug/l # 35
15) Acetone	3.82	58	19343	48.402	ug/l 95
18) Methylene Chloride	4.55	84	63875	12.884	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	47098	10.289	ug/l 89
21) 1,1-Dichloroethane	5.85	63	203497	22.436	ug/l 99
23) tert-Butyl Alcohol	5.03	59	1904	6.531	ug/l # 100
24) Methyl tert-Butyl Ether	5.06	73	519458	45.833	ug/l 100
25) Chloroform	7.37	83	210513	24.274	ug/l 99
30) 2-Butanone	6.84	43	117006	66.166	ug/l # 95
32) 1,1,1-Trichloroethane	7.57	97	60478	8.284	ug/l 98
33) Carbon Tetrachloride	7.57	117	8227	1.254	ug/l 86
34) Benzene	8.04	78	680075	35.279	ug/l # 95
37) Trichloroethene	8.84	130	174540	35.266	ug/l 93
39) 1,2-Dichloropropane	9.12	63	190635	36.091	ug/l 98
40) Dibromomethane	9.21	93	161304	54.974	ug/l 91
44) Isopropyl Acetate	8.25	43	7412	1.011	ug/l # 63
45) 1,4-Dioxane	9.21	88	461	11.628	ug/l # 28
49) cis-1,3-Dichloropropene	9.84	75	334488	44.755	ug/l 100
53) Dibromochloromethane	10.90	129	169324	35.853	ug/l 99
54) 1,2-Dibromoethane	11.01	107	190468	47.871	ug/l 99
56) Bromoform	12.13	173	150777	48.114	ug/l 98
58) 4-Methyl-2-Pentanone	9.99	43	204538	52.860	ug/l 97
59) 2-Hexanone	10.75	43	127860	50.228	ug/l 99
61) Tetrachloroethene	10.63	164	129694	26.878	ug/l 98
62) Toluene	10.16	91	485552	23.235	ug/l 99
64) Chlorobenzene	11.44	112	259114	20.507	ug/l 99
65) 1,1,1,2-Tetrachloroethane	11.51	131	337996	70.055	ug/l 98
66) Ethyl Benzene	11.51	91	159513	7.458	ug/l 96
67) m/p-Xylenes	11.62	106	148736	18.044	ug/l 97
68) o-Xylene	11.95	106	291450	37.039	ug/l 97
69) Styrene	11.97	104	685190	55.478	ug/l 95
71) 1,1,2,2-Tetrachloroethane	12.50	83	295379	58.167	ug/l 99

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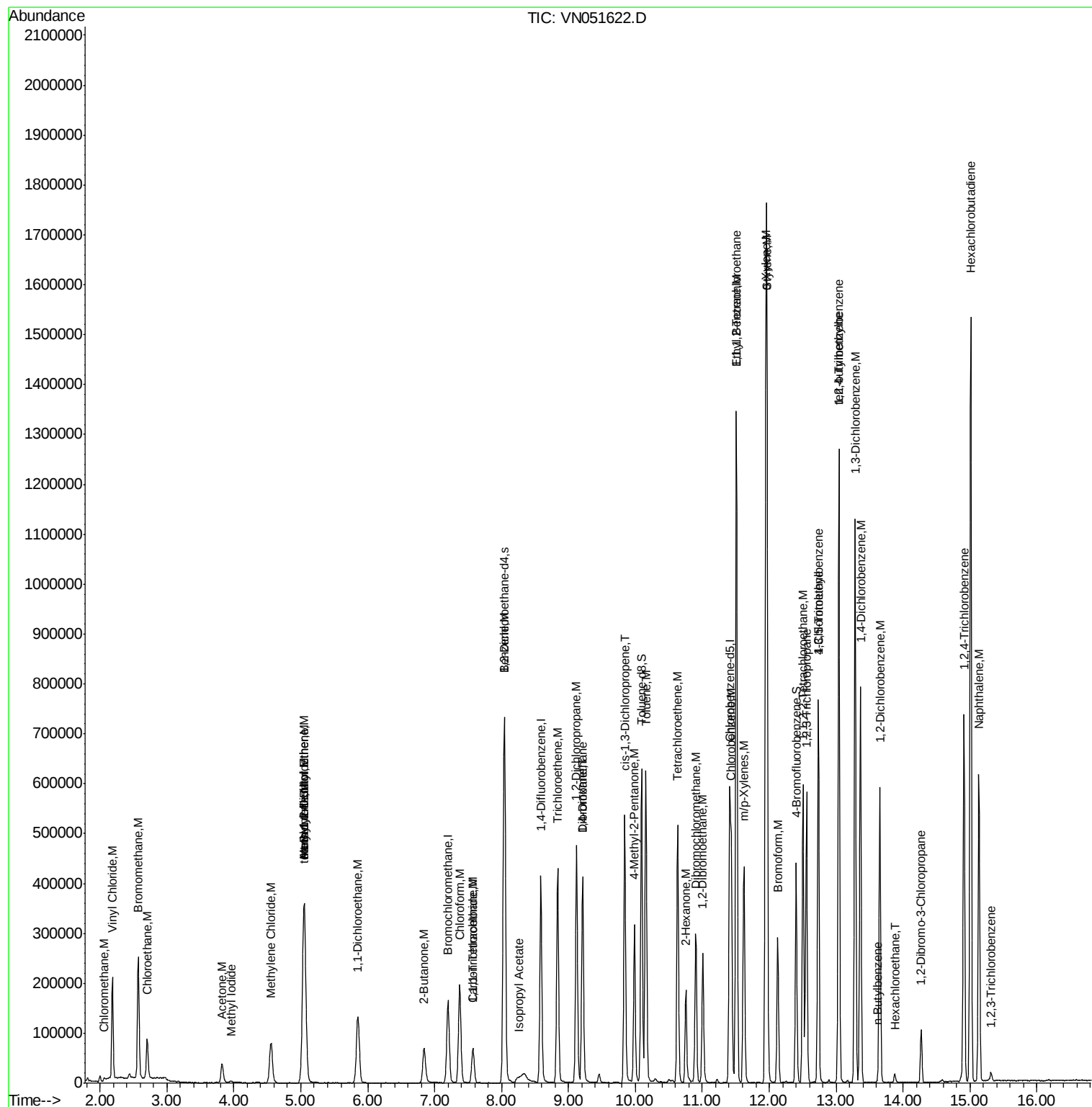
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichloropropane	12.55	75	252827	58.233	uq/l	1
76) 1,3,5-Trimethylbenzene	12.73	105	423405	24.141	uq/l	100
78) 4-Chlorotoluene	12.73	91	45631	3.166	uq/l	43
79) tert-butylbenzene	13.04	119	93389	6.146	uq/l	75
80) 1,2,4-Trimethylbenzene	13.04	105	705207	40.257	uq/l	100
83) 1,3-Dichlorobenzene	13.28	146	504219	55.398	uq/l	99
84) 1,4-Dichlorobenzene	13.36	146	362691	42.392	uq/l	99
85) n-Butylbenzene	13.62	91	3166	0.215	uq/l	89
86) Hexachloroethane	13.87	117	3211	0.895	uq/l	96
87) 1,2-Dichlorobenzene	13.65	146	267647	30.060	uq/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27844	37.620	uq/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	258823	62.107	uq/l	97
90) Hexachlorobutadiene	15.01	225	336155	98.943	uq/l	97
91) Naphthalene	15.13	128	522454	50.937	uq/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	6601	1.575	uq/l	96

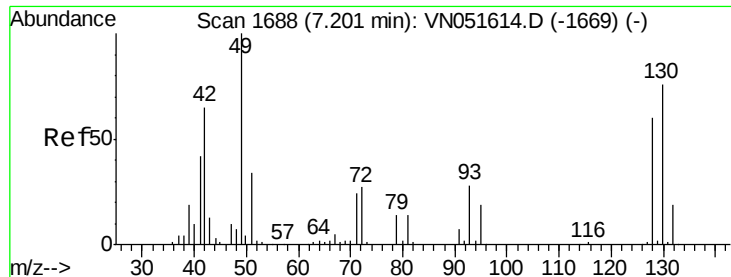
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
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QLast Update : Sat Sep 29 01:07:29 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

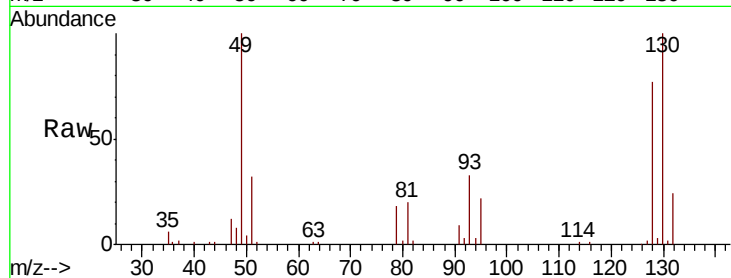
Tot Ion:128 Resp: 71419

Ion Ratio Lower Upper

128 100

49 131.3 0.0 426.8

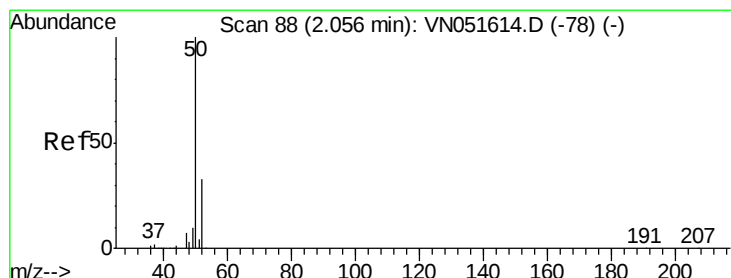
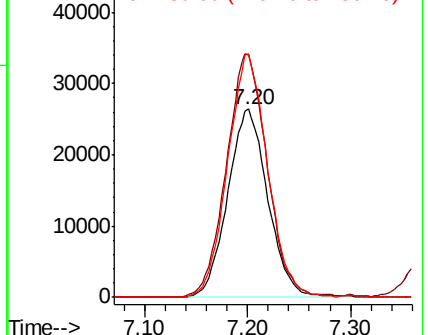
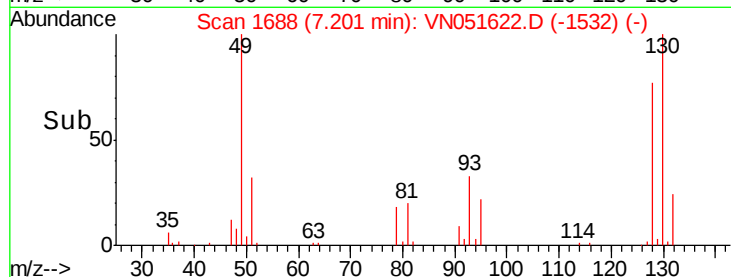
130 128.8 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.571 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051622.D

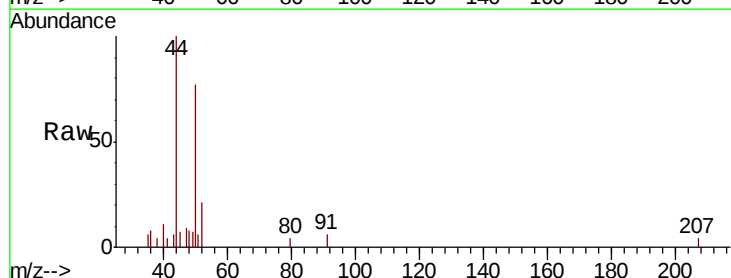
Acq: 28 Sep 2018 18:23

Tgt Ion: 50 Resp: 4003

Ion Ratio Lower Upper

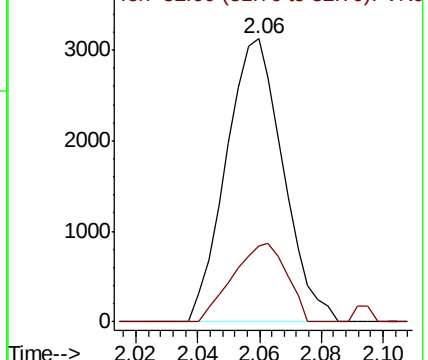
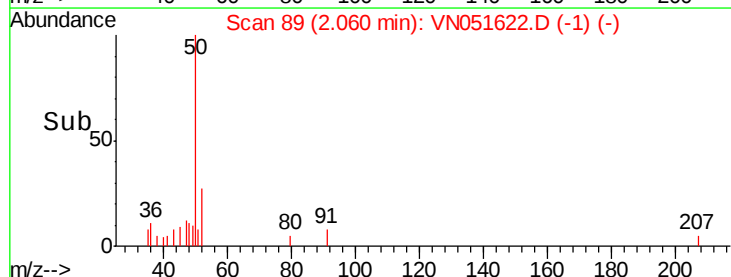
50 100

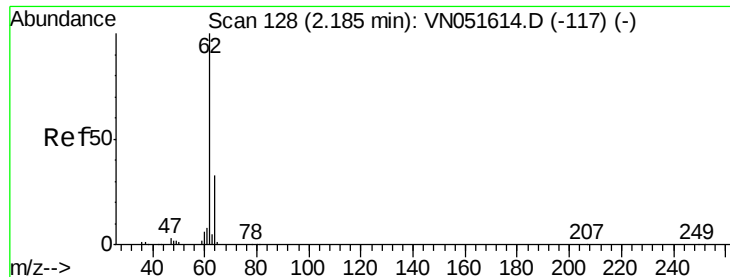
52 27.1 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN





#4

Vinyl Chloride

Concen: 26.750 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

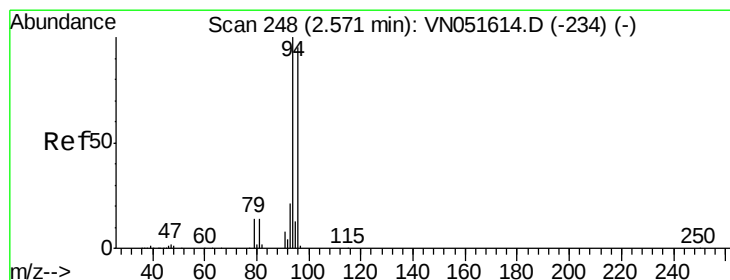
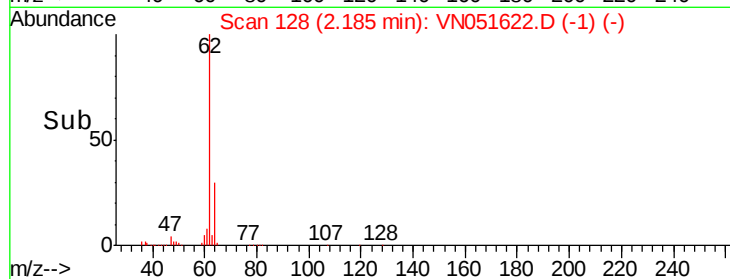
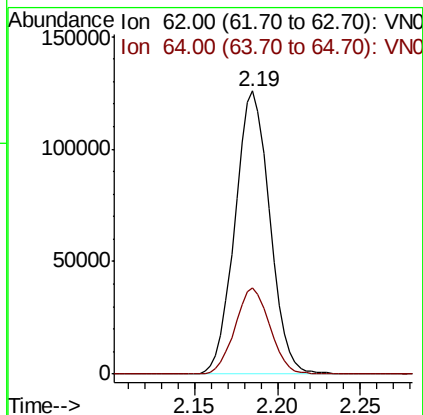
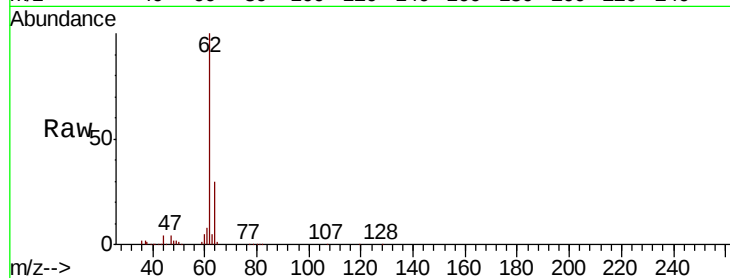
PT-VOA-WPDL

Tot Ion: 62 Resp: 184053

Ion Ratio Lower Upper

62 100

64 30.3 26.3 39.5



#5

Bromomethane

Concen: 43.883 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051622.D

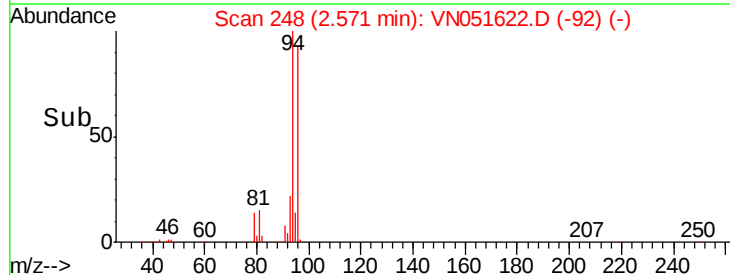
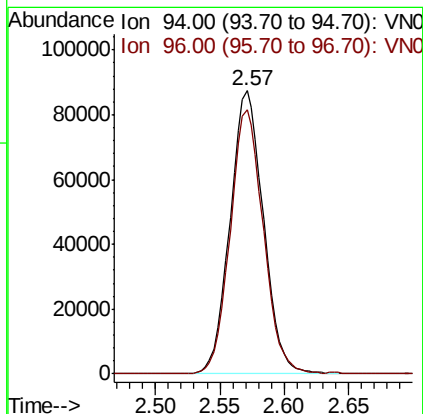
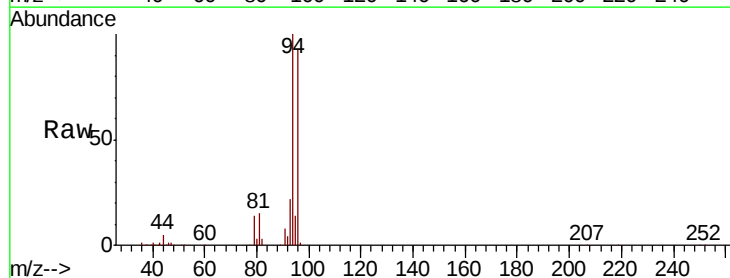
Acq: 28 Sep 2018 18:23

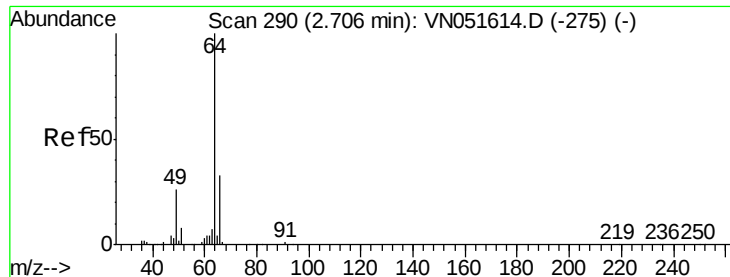
Tgt Ion: 94 Resp: 156837

Ion Ratio Lower Upper

94 100

96 93.1 75.8 113.6





#6

Chloroethane

Concen: 21.524 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

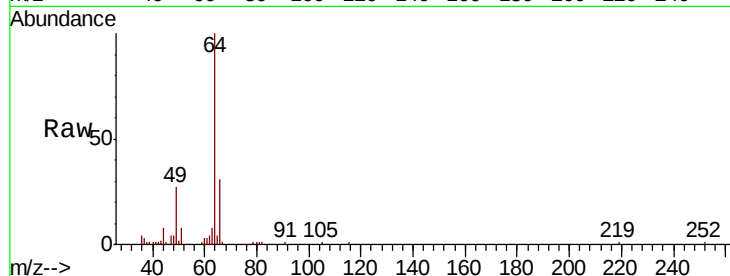
PT-VOA-WPDL

Tot Ion: 64 Resp: 74294

Ion Ratio Lower Upper

64 100

66 30.7 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN051614.D (-275) (-)

Ion 66.00 (65.70 to 66.70): VN051614.D (-275) (-)

2.71

40000

30000

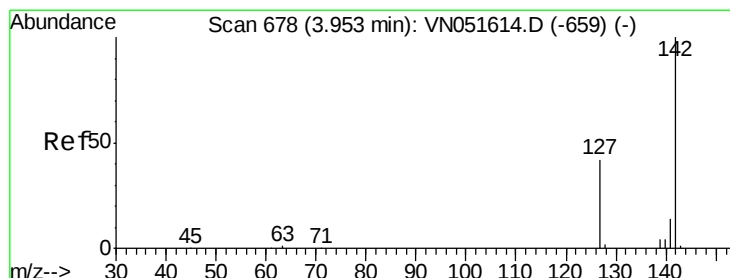
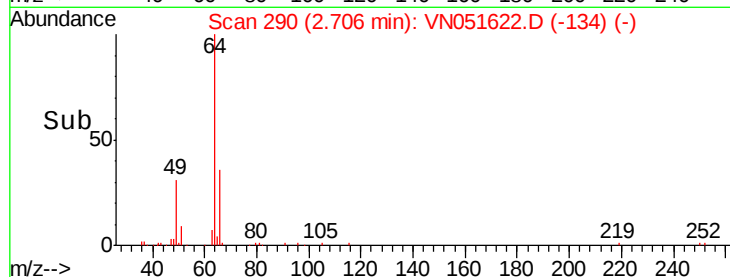
20000

10000

0

2.65 2.70 2.75 2.80

Time-->



#11

Methyl Iodide

Concen: 0.472 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.01 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

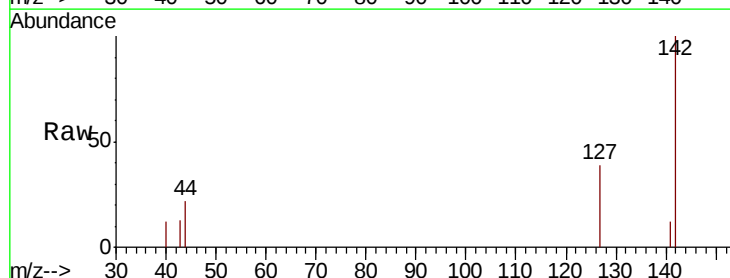
Tgt Ion: 142 Resp: 2619

Ion Ratio Lower Upper

142 100

127 31.8 21.1 63.1

141 7.9 7.1 21.4



Abundance Ion 142.00 (141.70 to 142.70): VN051614.D (-659) (-)

Ion 127.00 (126.70 to 127.70): VN051614.D (-659) (-)

Ion 141.00 (140.70 to 141.70): VN051614.D (-659) (-)

2500

2000

1500

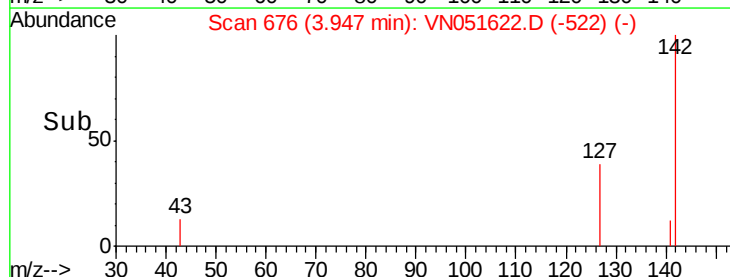
1000

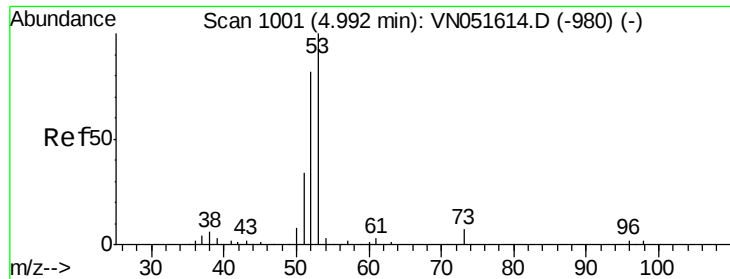
500

0

3.90 3.92 3.94 3.96

Time-->

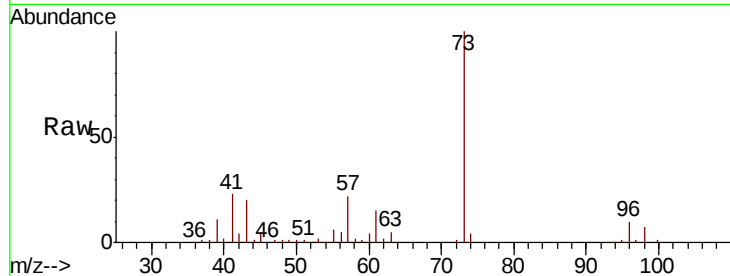




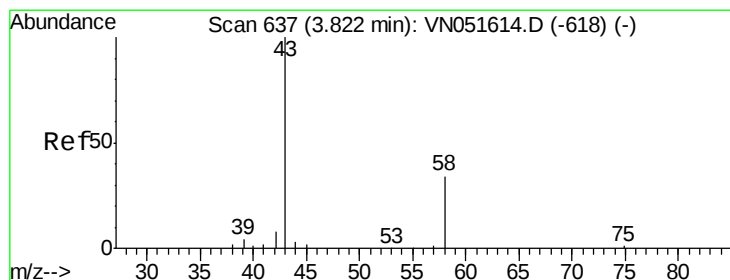
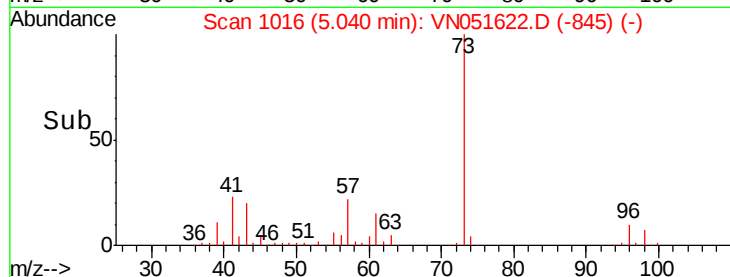
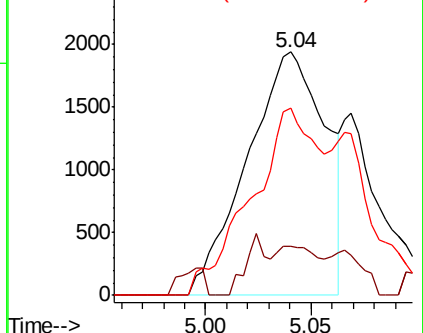
#14
 Acrylonitrile
 Concen: 3.264 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. 0.05 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion: 53 Resp: 4975
 Ion Ratio Lower Upper
 53 100
 52 10.9 41.3 123.7#
 51 50.9 17.1 51.2

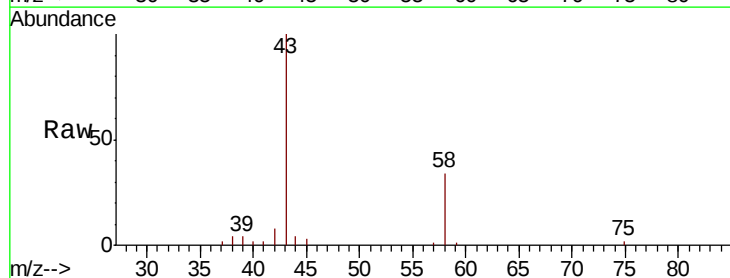


Abundance Ion 53.00 (52.70 to 53.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0
 Ion 51.00 (50.70 to 51.70): VN0

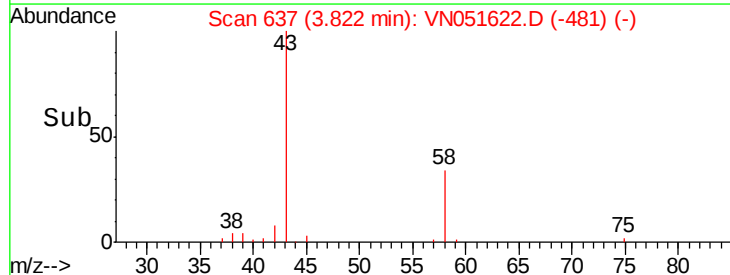
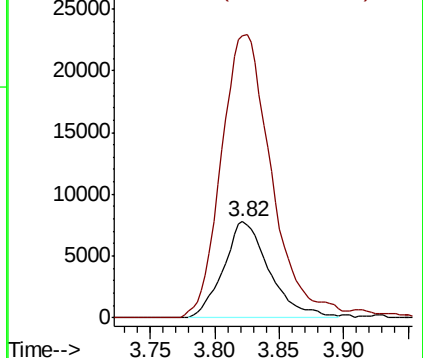


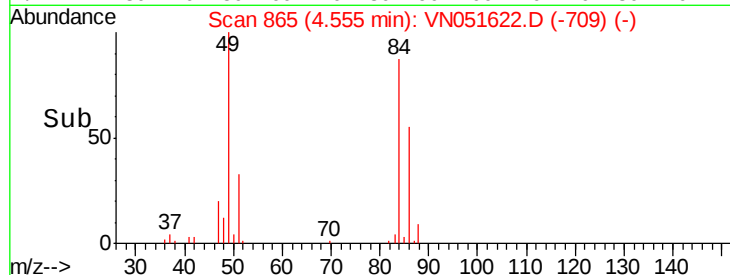
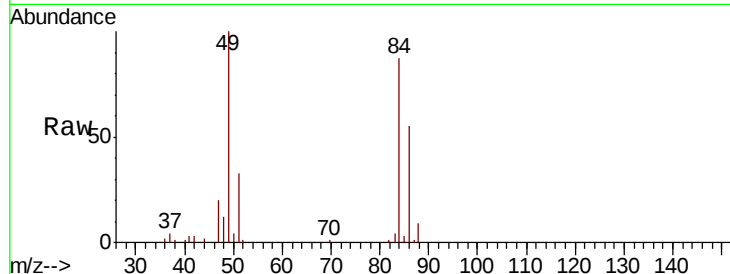
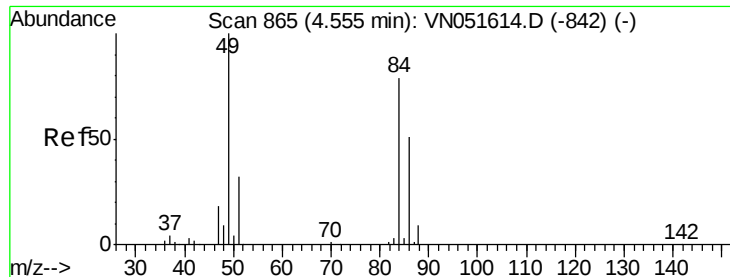
#15
 Acetone
 Concen: 48.402 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt Ion: 58 Resp: 19343
 Ion Ratio Lower Upper
 58 100
 43 286.8 238.0 357.0



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

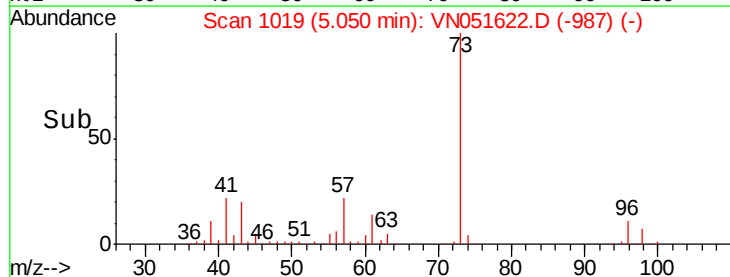
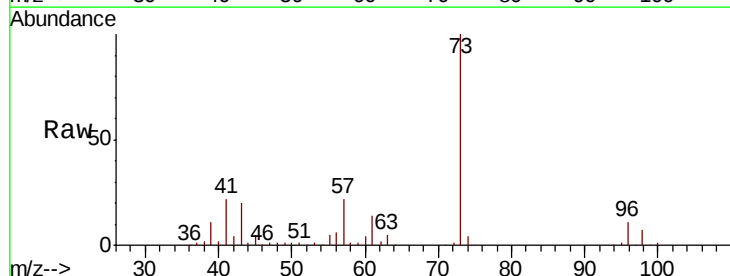
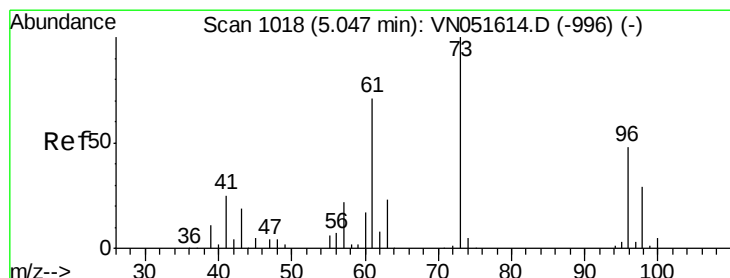
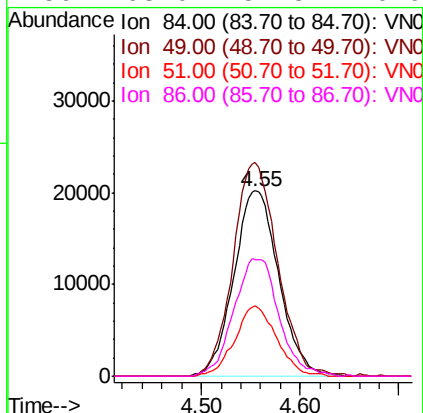




#18
Methylene Chloride
Concen: 12.884 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

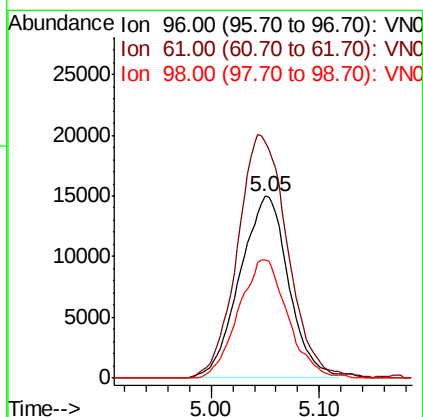
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

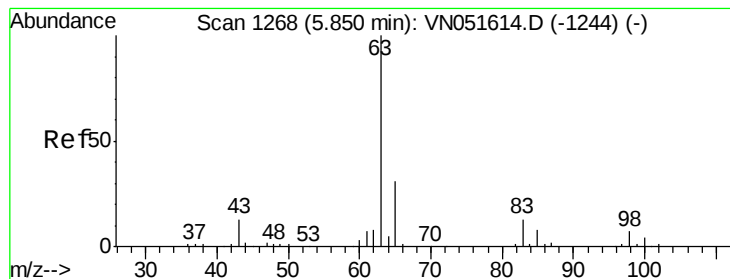
Tot Ion:	84	Resp:	63875
Ion	Ratio	Lower	Upper
84	100		
49	115.2	100.9	151.3
51	37.8	32.5	48.7
86	63.0	51.3	76.9



#19
trans-1,2-Dichloroethene
Concen: 10.289 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion:	96	Resp:	47098
Ion	Ratio	Lower	Upper
96	100		
61	130.1	118.0	177.0
98	65.2	49.0	73.4





#21

1,1-Dichloroethane

Concen: 22.436 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

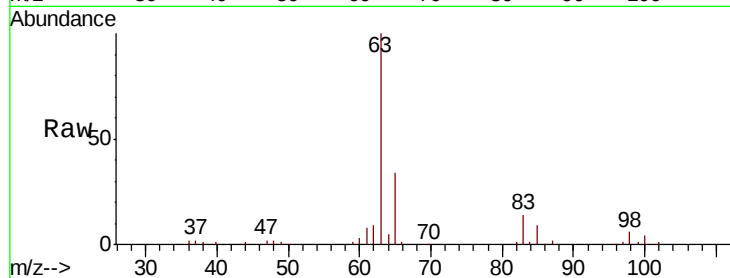
Tot Ion: 63 Resp: 203497

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

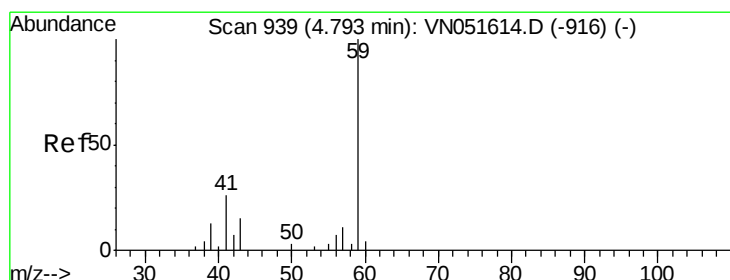
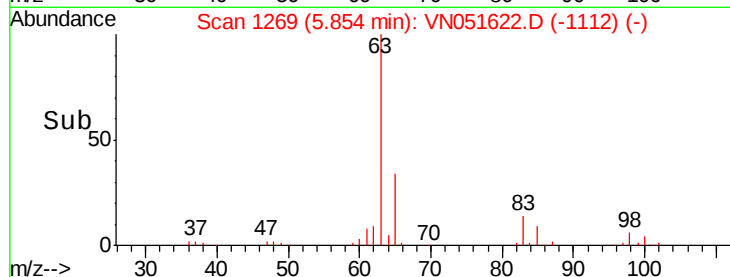
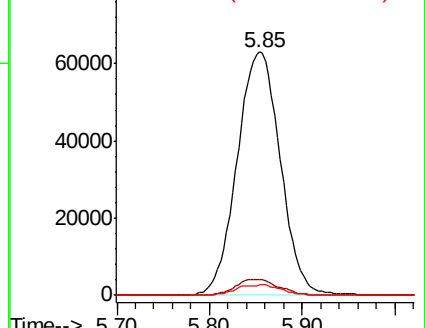
100 4.3 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051614.D (-1244) (-)



#23

tert-Butyl Alcohol

Concen: 6.531 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.24 min

Lab File: VN051622.D

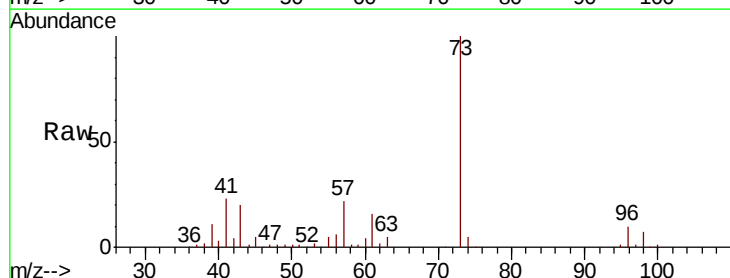
Acq: 28 Sep 2018 18:23

Tgt Ion: 59 Resp: 1904

Ion Ratio Lower Upper

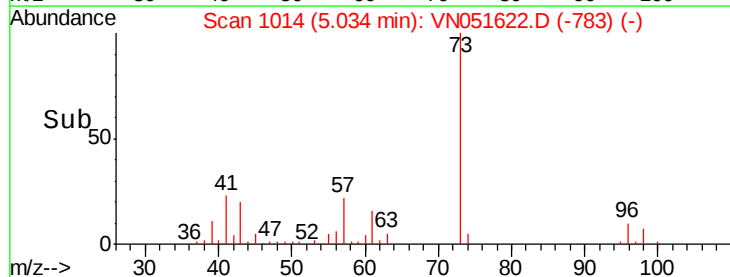
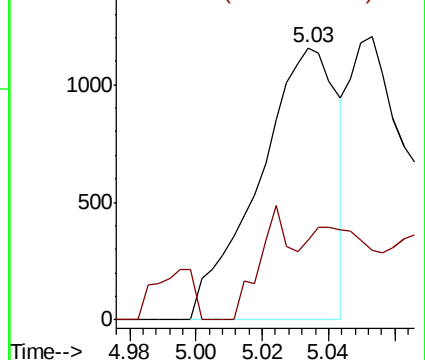
59 100

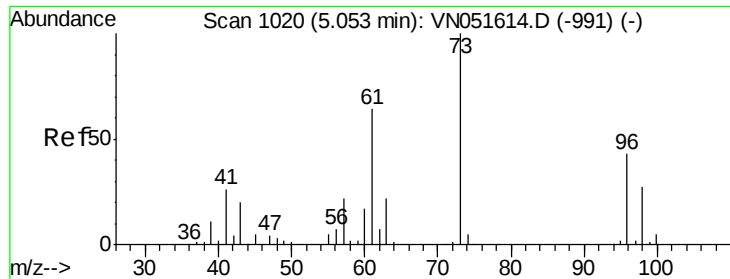
52 28.5 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN051614.D (-916) (-)

Ion 52.00 (51.70 to 52.70): VN051614.D (-916) (-)

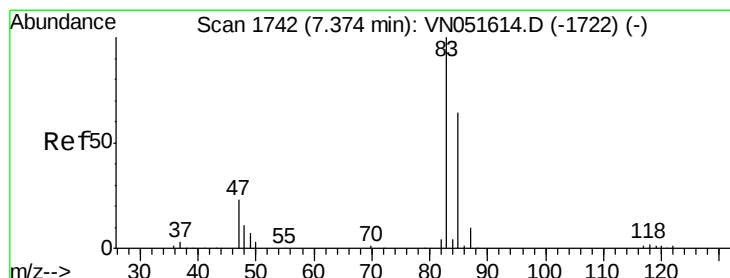
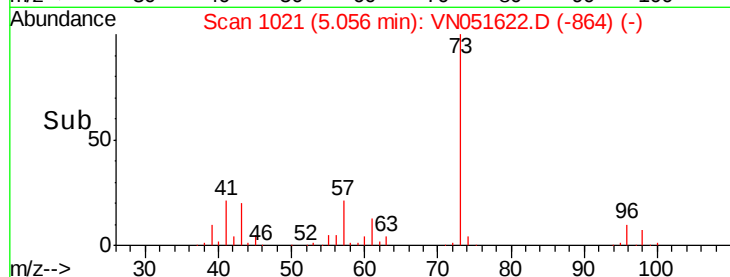
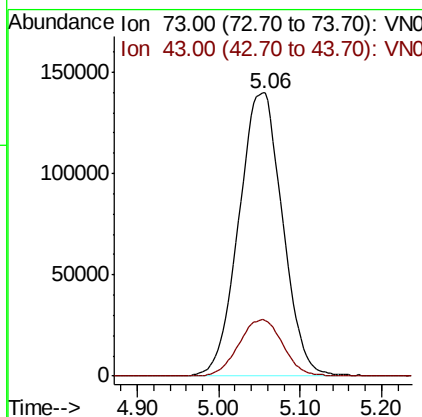
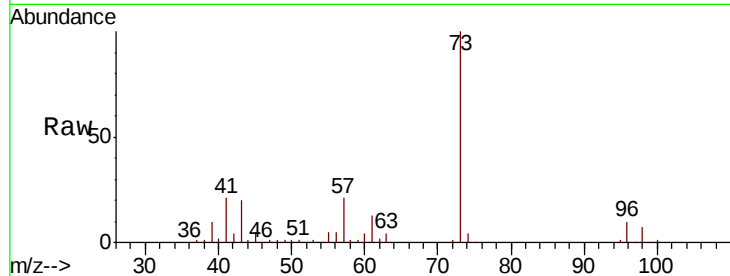




#24
Methvl tert-Butvl Ether
Concen: 45.833 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

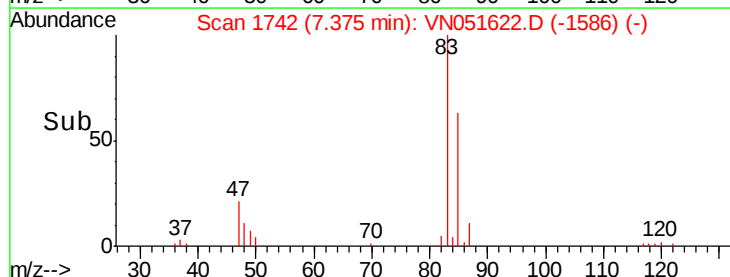
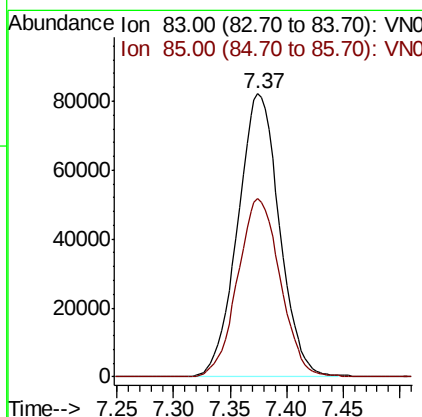
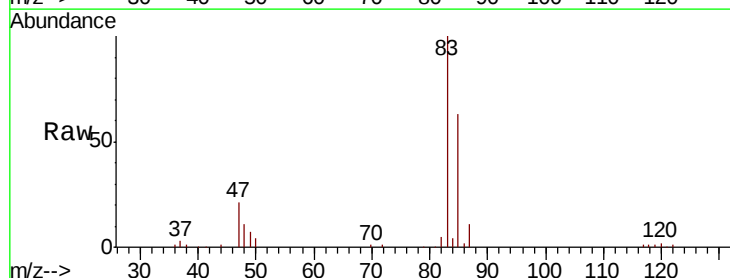
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

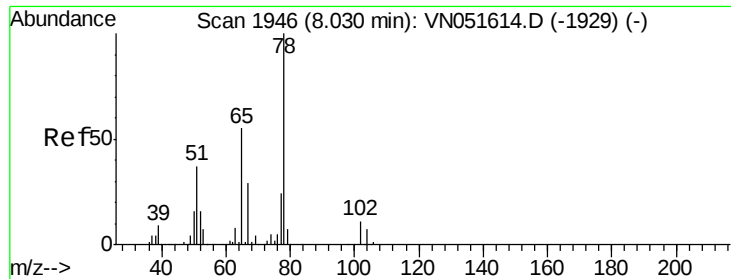
Tot Ion: 73 Resp: 519458
Ion Ratio Lower Upper
73 100
43 20.2 16.1 24.1



#25
Chloroform
Concen: 24.274 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion: 83 Resp: 210513
Ion Ratio Lower Upper
83 100
85 63.2 51.4 77.0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

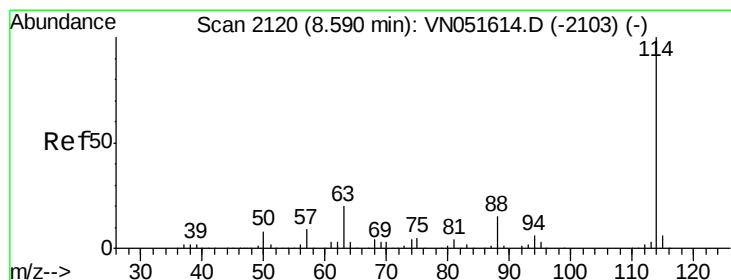
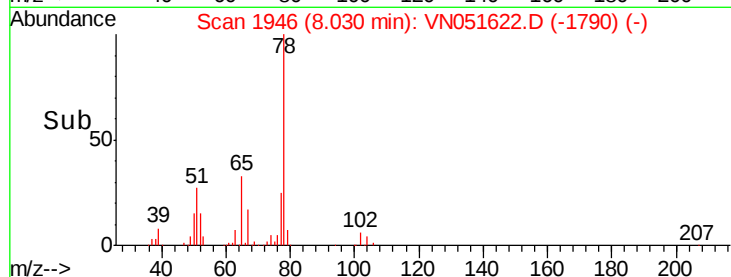
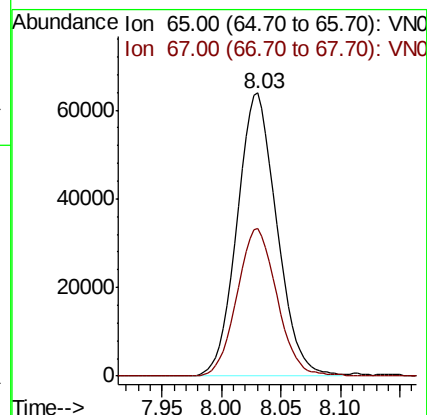
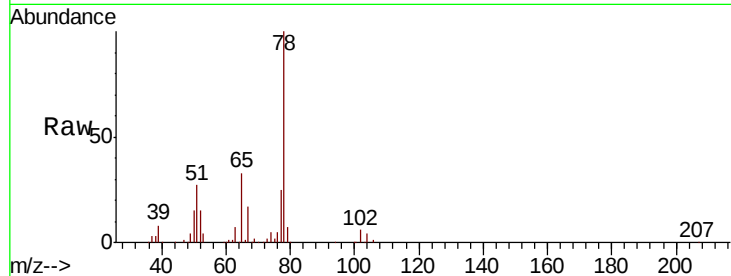
PT-VOA-WPDL

Tot Ion: 65 Resp: 148021

Ion Ratio Lower Upper

65 100

67 52.4 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

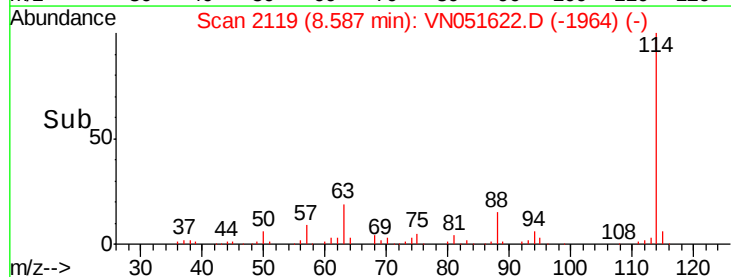
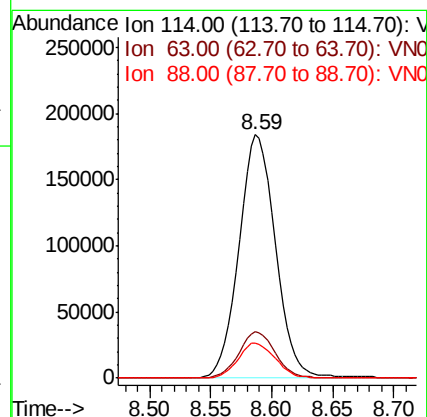
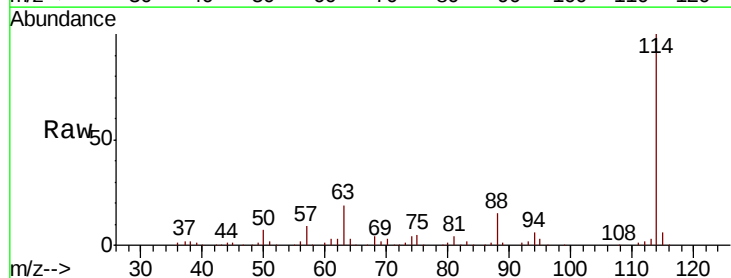
Tgt Ion: 114 Resp: 381039

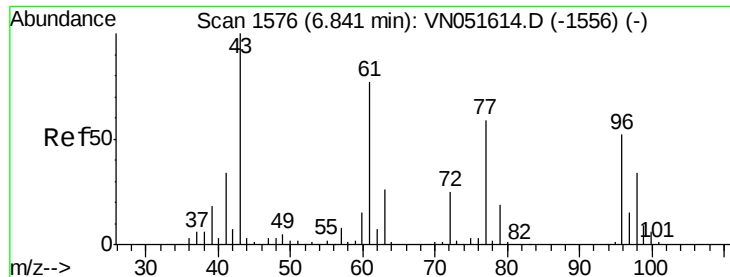
Ion Ratio Lower Upper

114 100

63 19.0 16.4 24.6

88 14.7 12.6 18.8

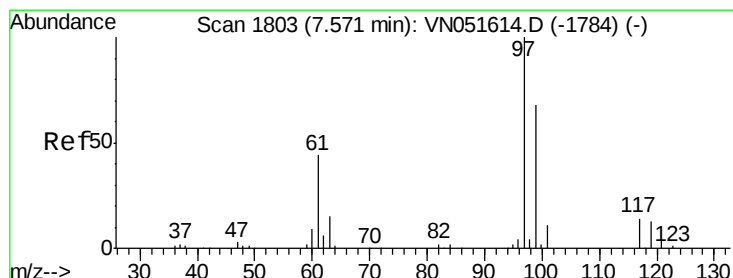
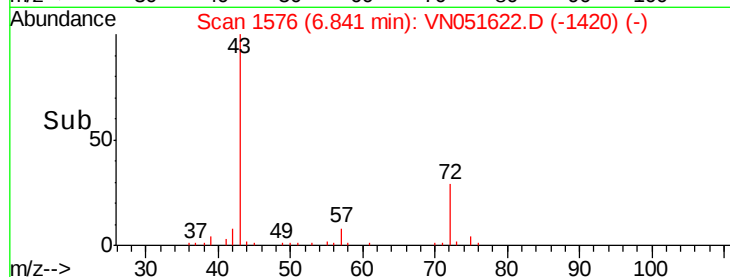
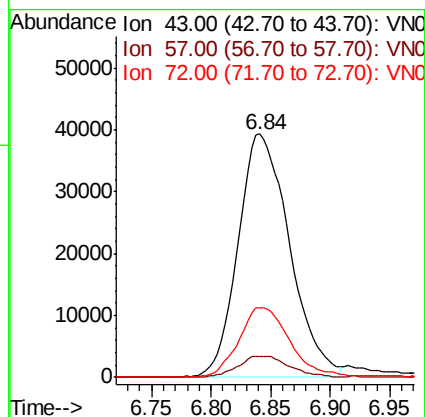
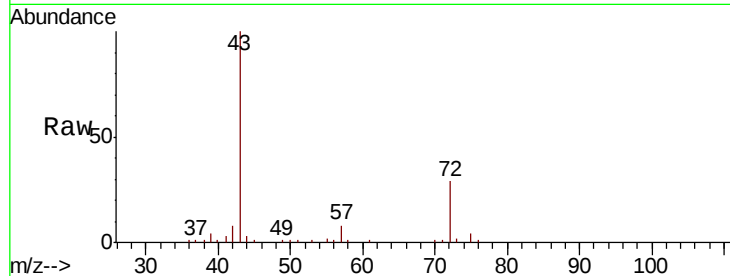




#30
2-Butanone
Concen: 66.166 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

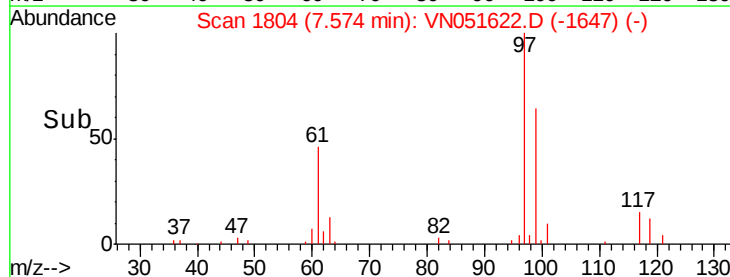
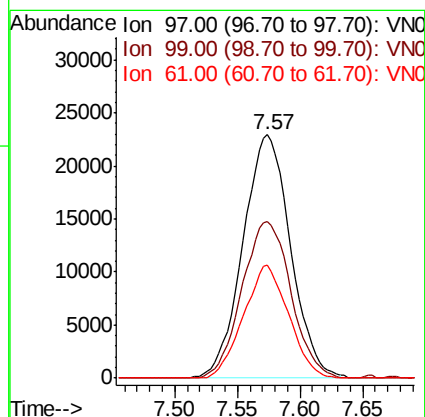
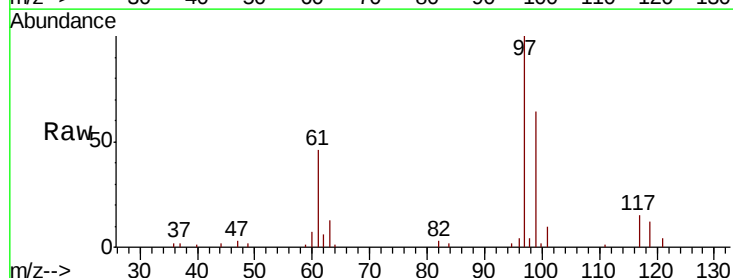
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

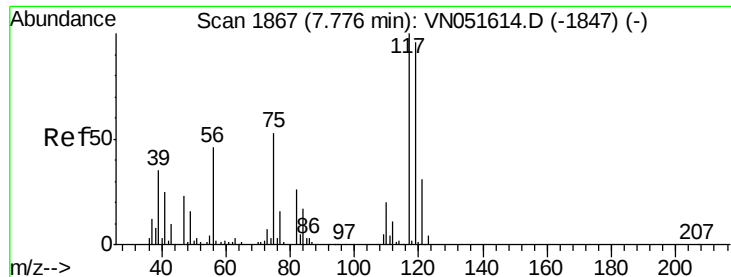
Tot Ion: 43 Resp: 117006
Ion Ratio Lower Upper
43 100
57 4.5 6.6 10.0#
72 27.9 20.8 31.2



#32
1,1,1-Trichloroethane
Concen: 8.284 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion: 97 Resp: 60478
Ion Ratio Lower Upper
97 100
99 66.4 52.2 78.4
61 44.1 36.2 54.4

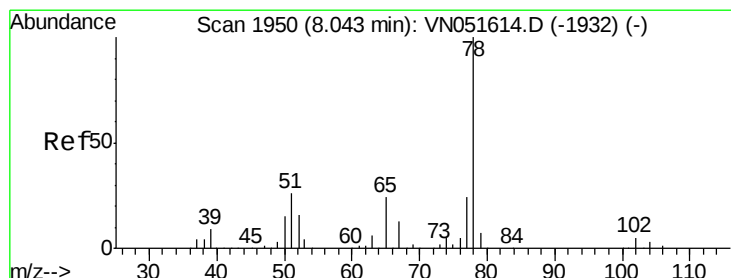
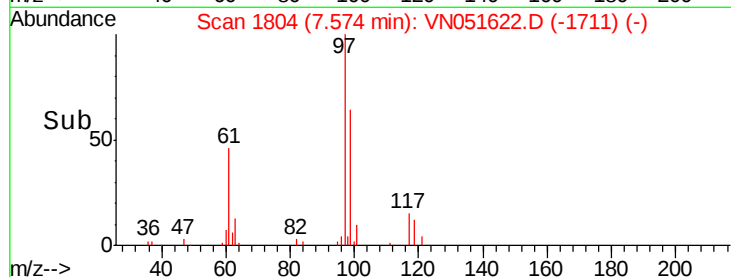
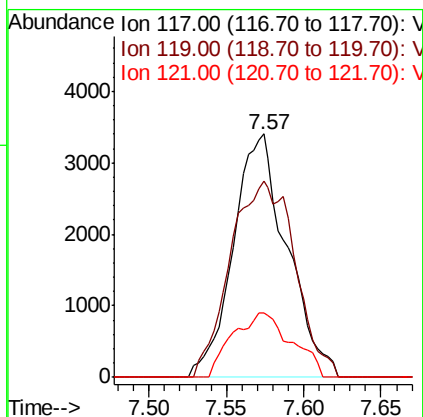
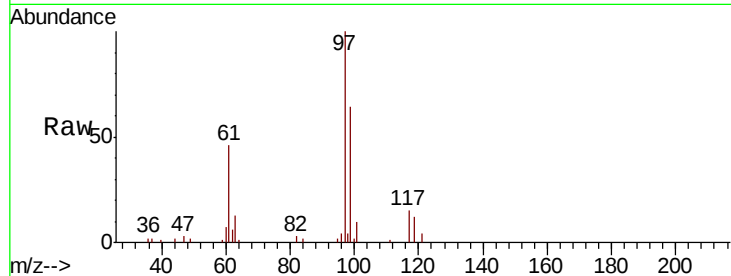




#33
Carbon Tetrachloride
Concen: 1.254 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.20 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

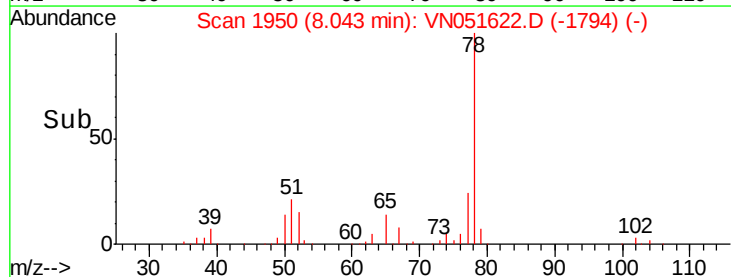
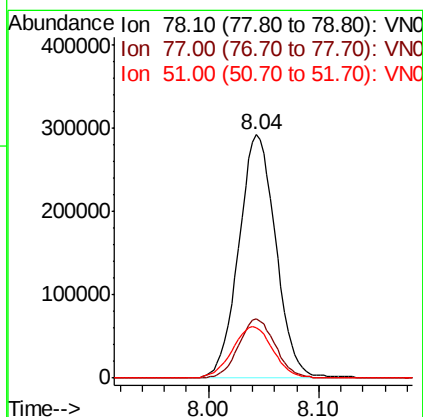
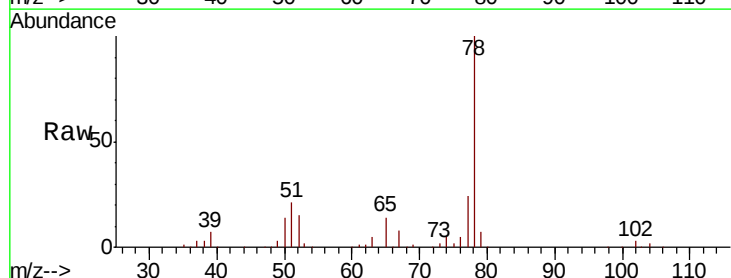
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

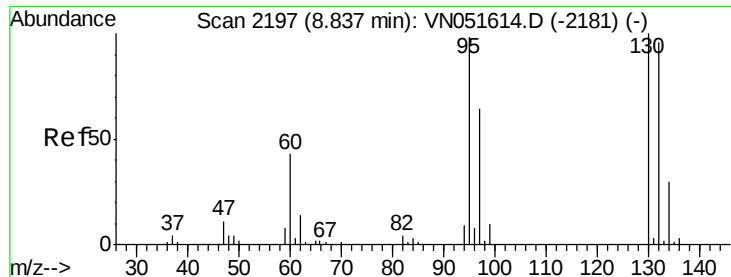
Tot Ion:117 Resp: 8227
Ion Ratio Lower Upper
117 100
119 80.7 76.5 114.7
121 26.6 25.0 37.6



#34
Benzene
Concen: 35.279 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion: 78 Resp: 680075
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9
51 20.7 20.8 31.2#

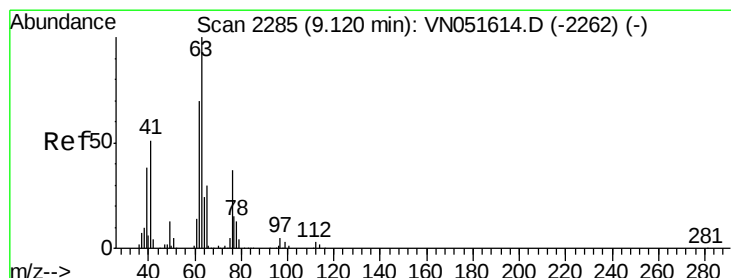
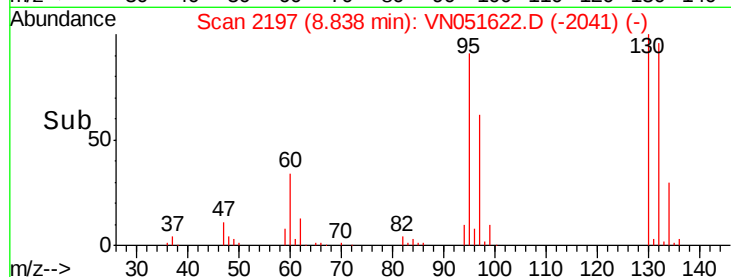
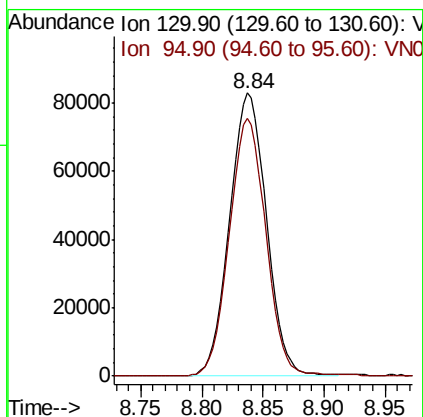
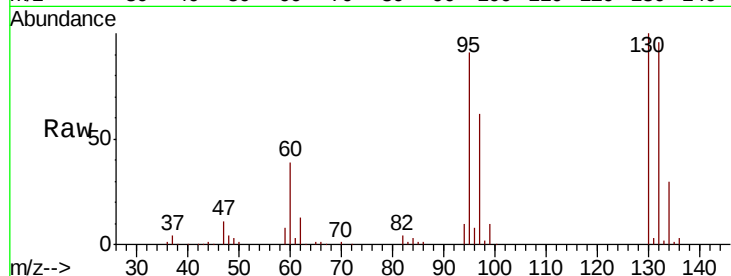




#37
 Trichloroethene
 Concen: 35.266 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

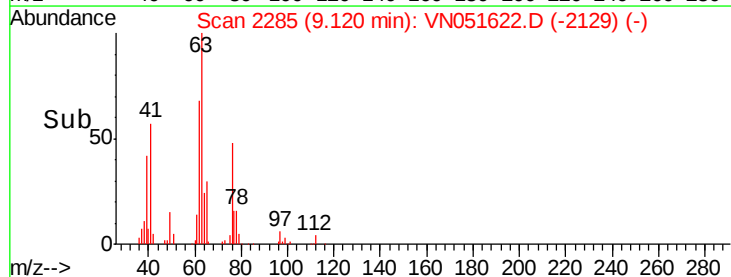
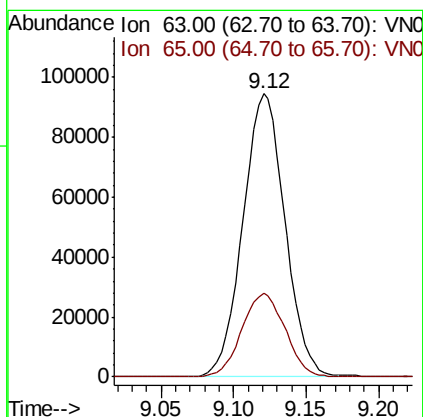
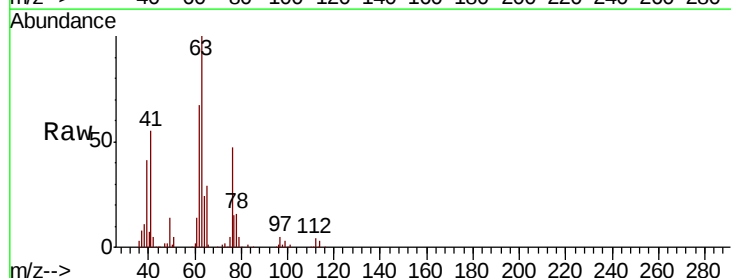
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

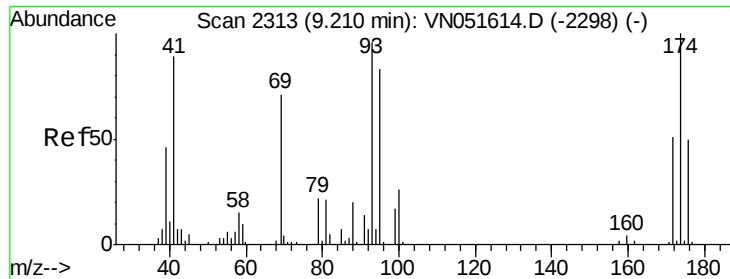
Tot Ion:130 Resp: 174540
 Ion Ratio Lower Upper
 130 100
 95 90.9 78.4 117.6



#39
 1,2-Dichloropropane
 Concen: 36.091 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt Ion: 63 Resp: 190635
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.4 36.6





#40

Dibromomethane

Concen: 54.974 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

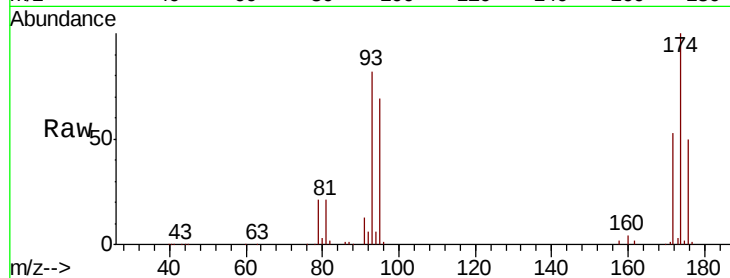
Tot Ion: 93 Resp: 161304

Ion Ratio Lower Upper

93 100

95 82.9 0.0 171.0

174 120.0 0.0 212.0

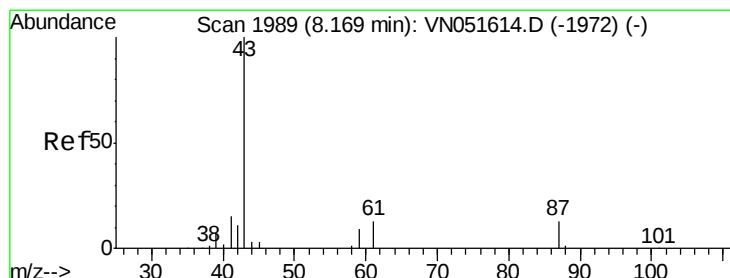
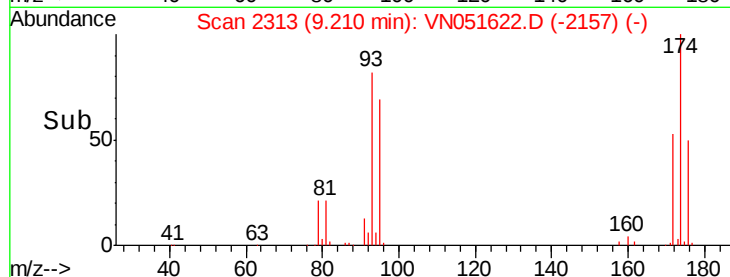
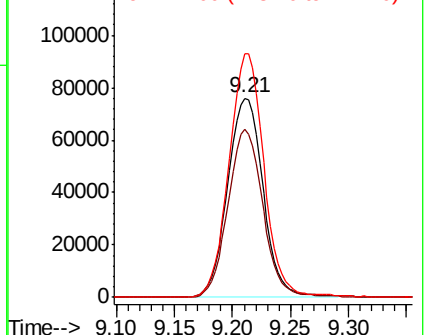


Abundance

Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN0



#44

Isopropyl Acetate

Concen: 1.011 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN051622.D

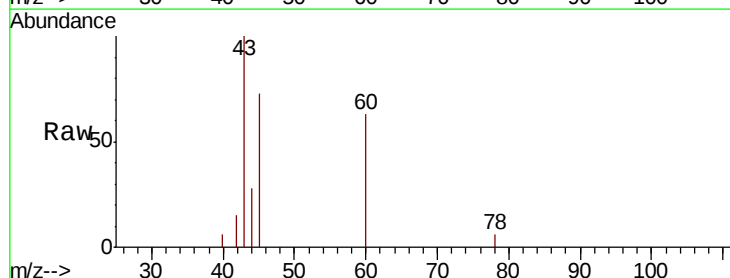
Acq: 28 Sep 2018 18:23

Tgt Ion: 43 Resp: 7412

Ion Ratio Lower Upper

43 100

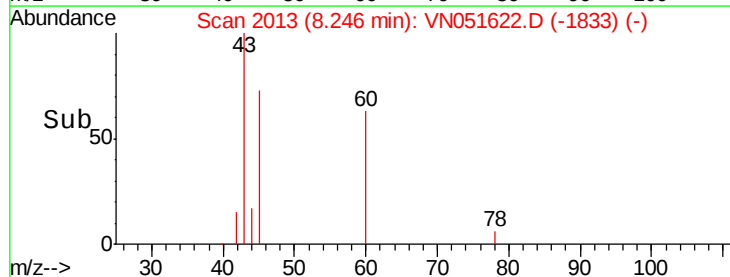
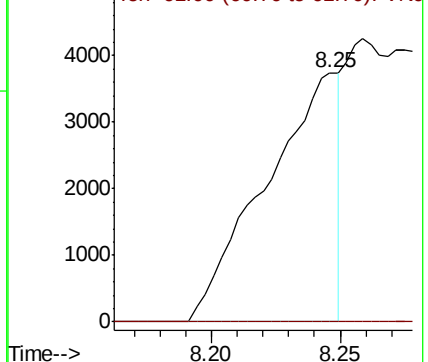
61 2.4 15.4 23.0#

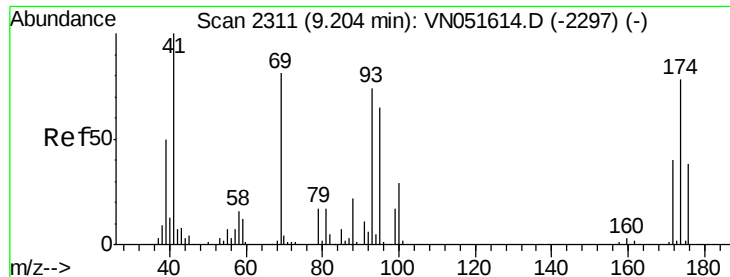


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 11.628 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

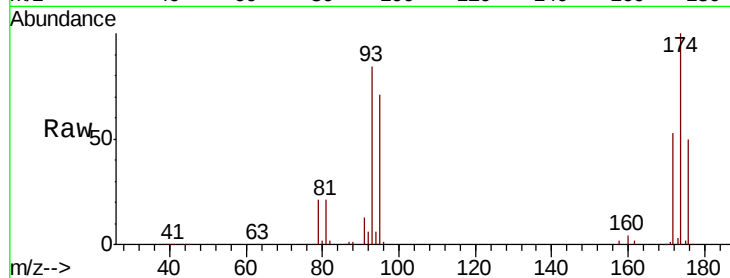
Tot Ion: 88 Resp: 461

Ion Ratio Lower Upper

88 100

43 11.9 29.0 43.6#

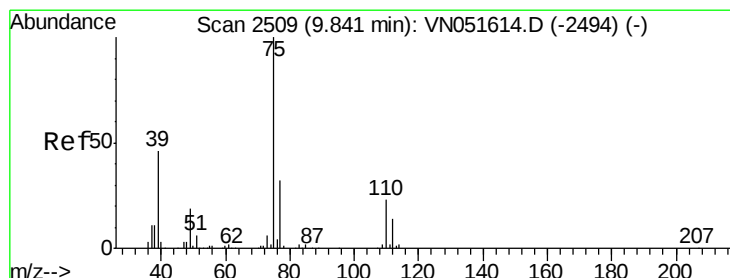
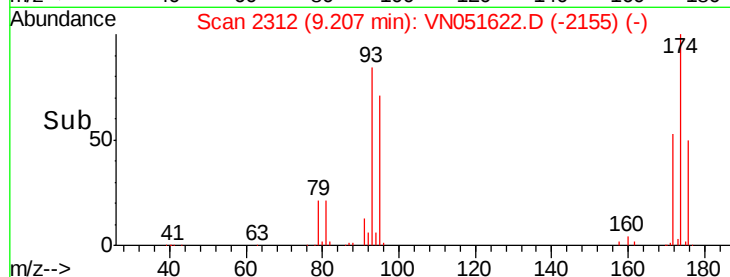
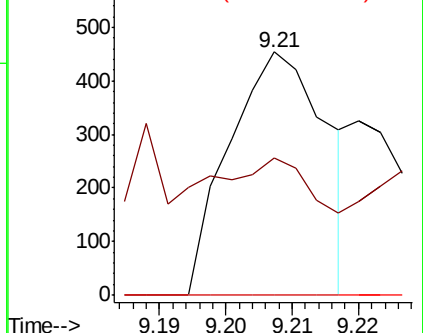
58 0.0 59.0 88.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 44.755 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

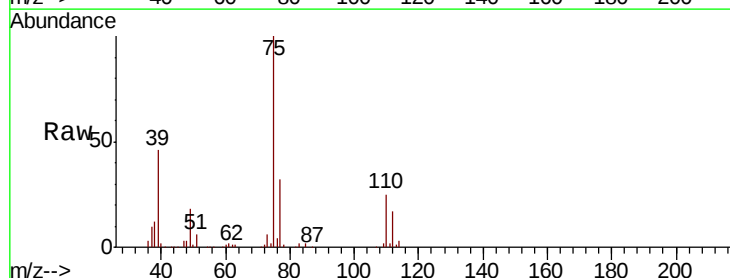
Tgt Ion: 75 Resp: 334488

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

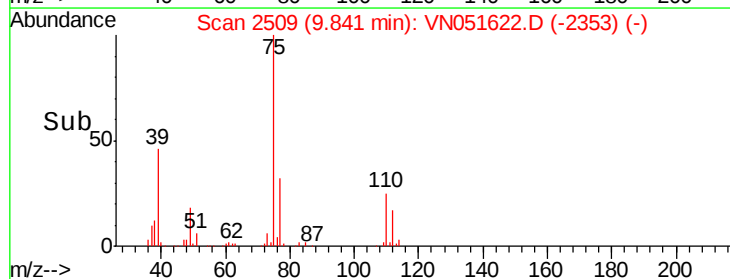
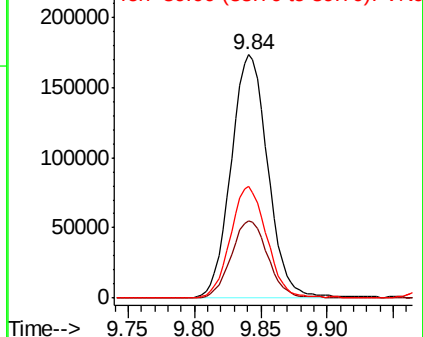
39 45.9 36.6 55.0

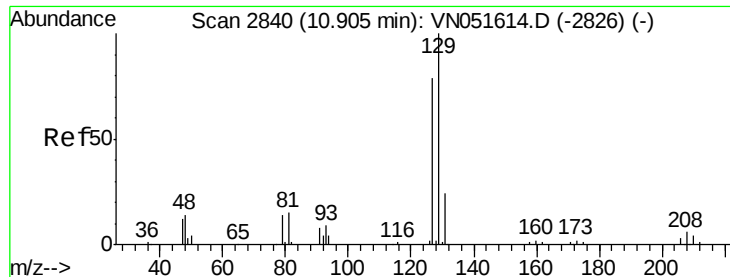


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#53

Dibromochloromethane

Concen: 35.853 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

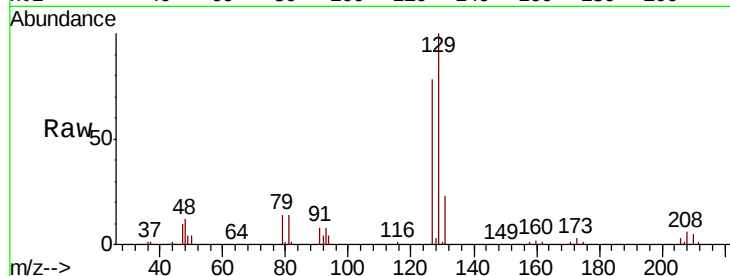
PT-VOA-WPDL

Tot Ion:129 Resp: 169324

Ion Ratio Lower Upper

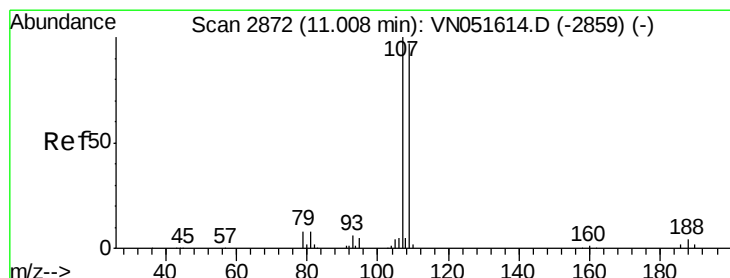
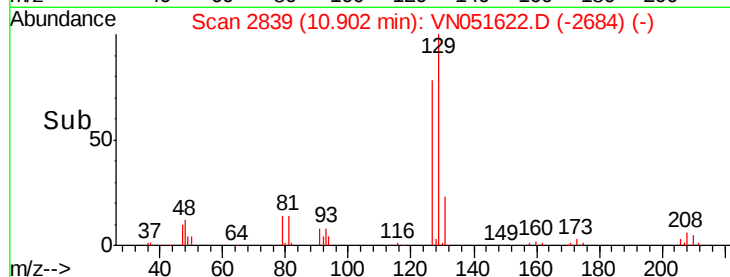
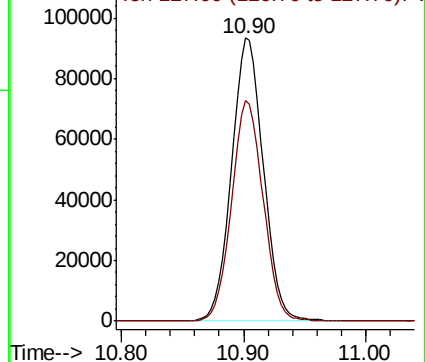
129 100

127 77.3 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 47.871 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051622.D

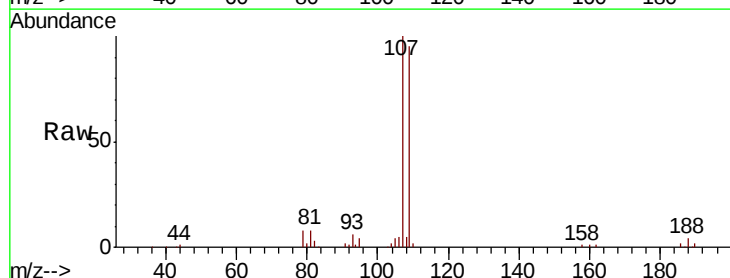
Acq: 28 Sep 2018 18:23

Tgt Ion:107 Resp: 190468

Ion Ratio Lower Upper

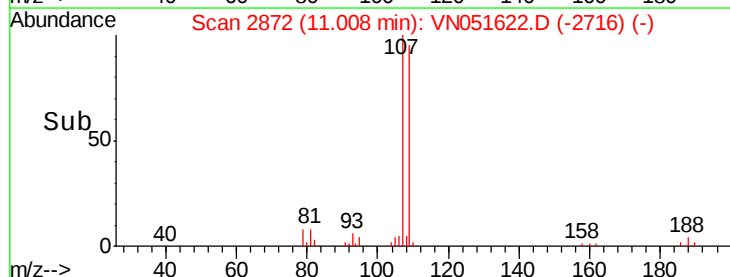
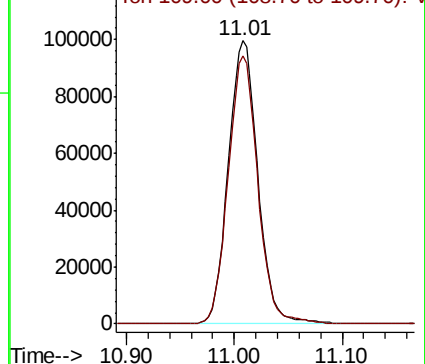
107 100

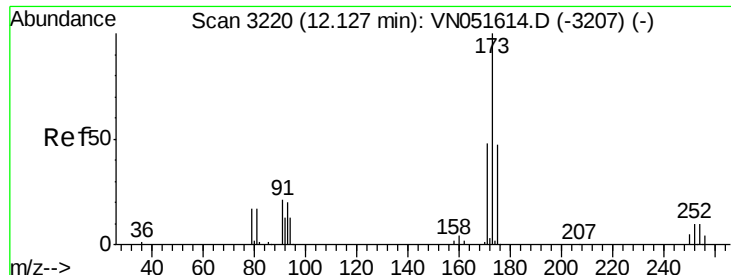
109 95.0 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

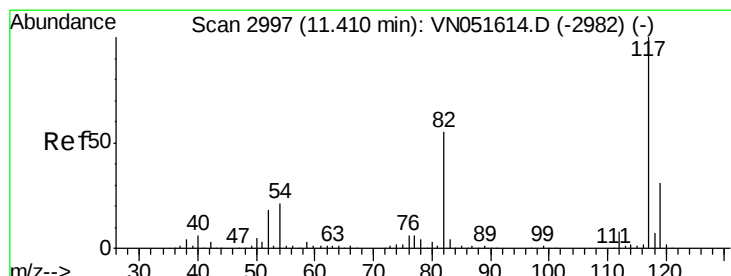
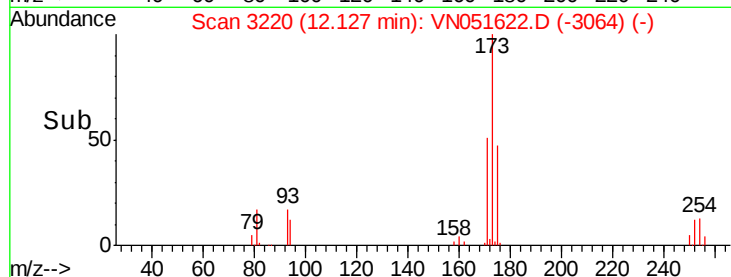
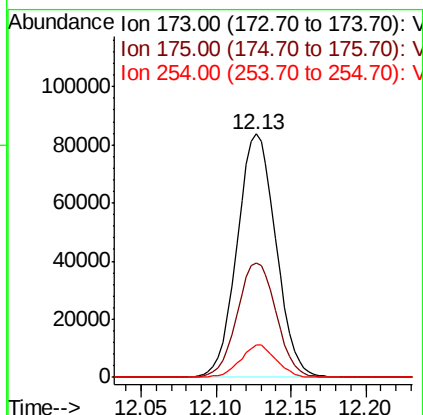
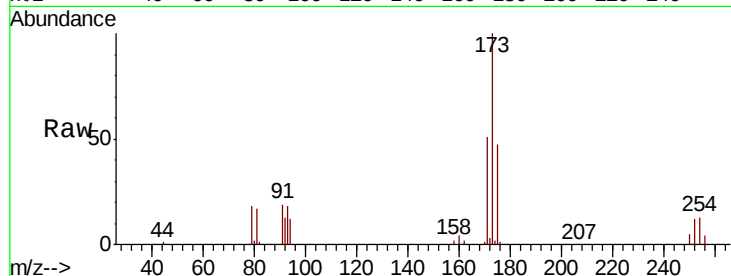




#56
Bromoform
Concen: 48.114 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

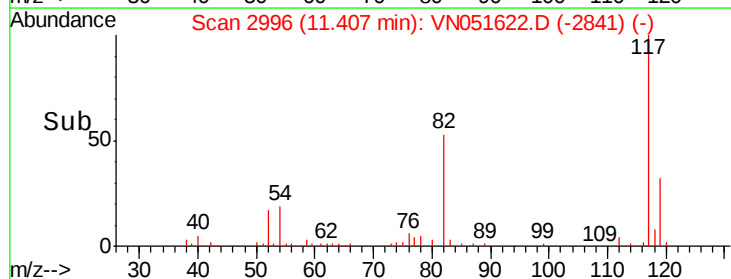
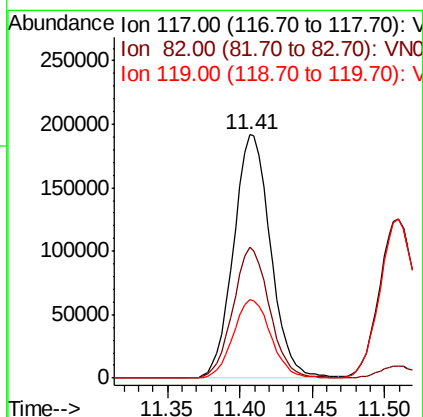
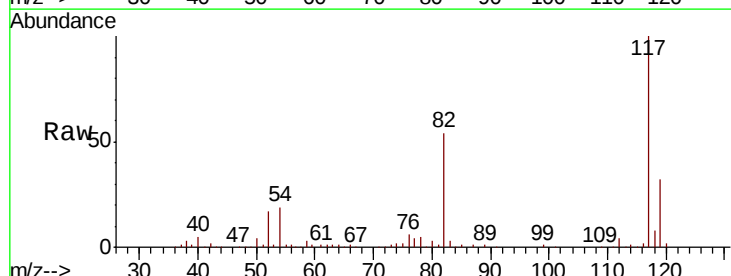
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

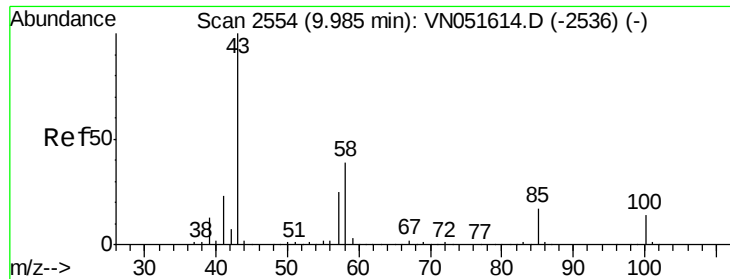
Tot Ion:173 Resp: 150777
Ion Ratio Lower Upper
173 100
175 47.4 39.0 58.4
254 12.3 8.7 13.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion:117 Resp: 340812
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 32.8 25.2 37.8

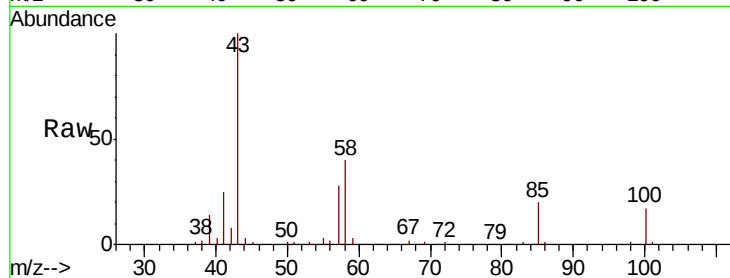




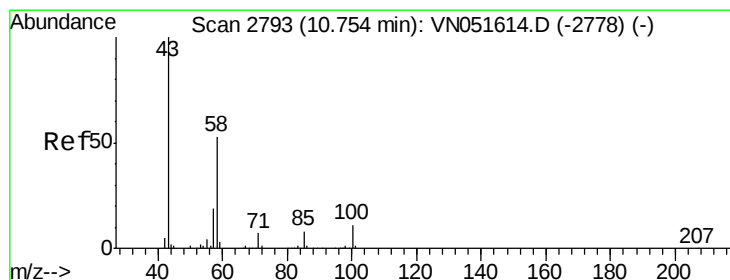
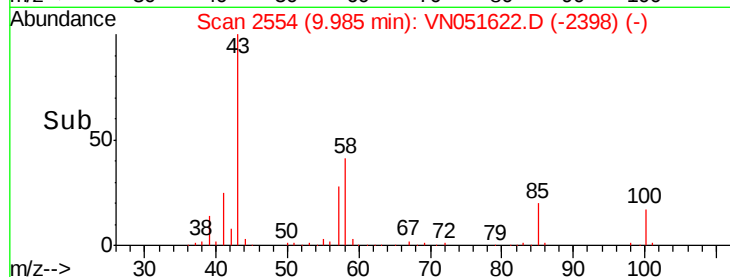
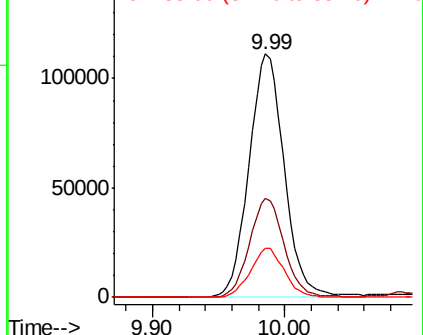
#58
4-Methyl-2-Pentanone
Concen: 52.860 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.0	46.4
85	19.6	13.4	20.2

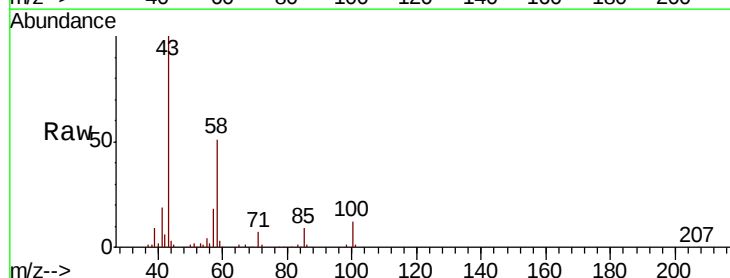


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

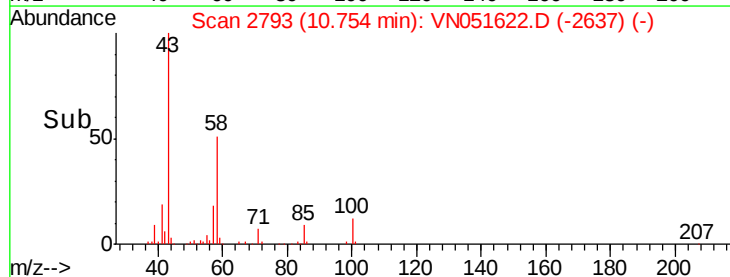
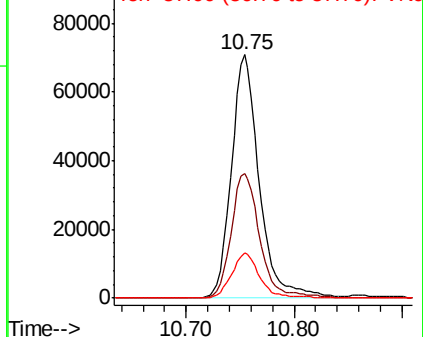


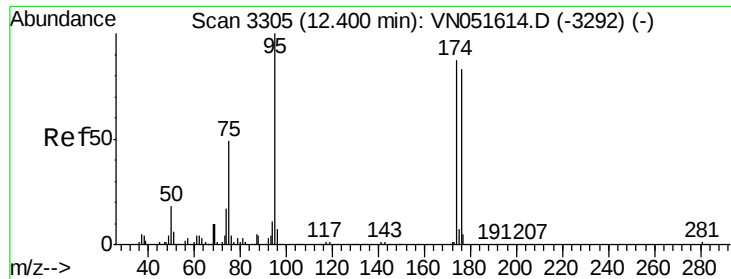
#59
2-Hexanone
Concen: 50.228 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.4	41.5	62.3
57	18.2	14.2	21.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

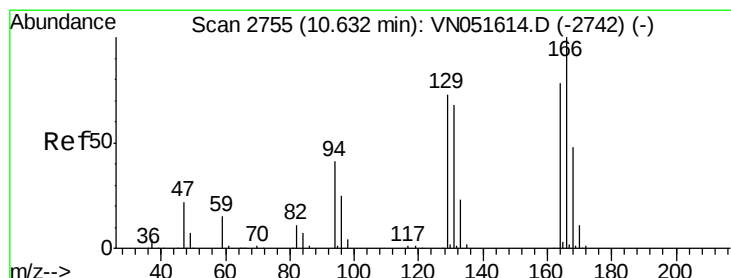
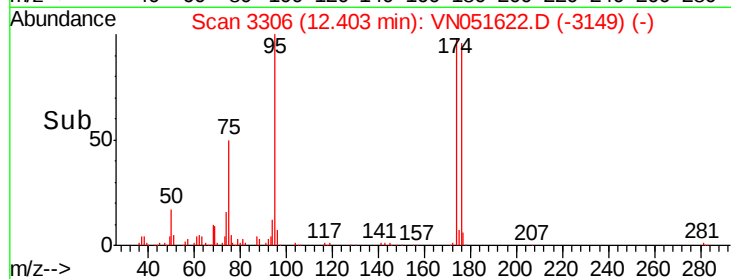
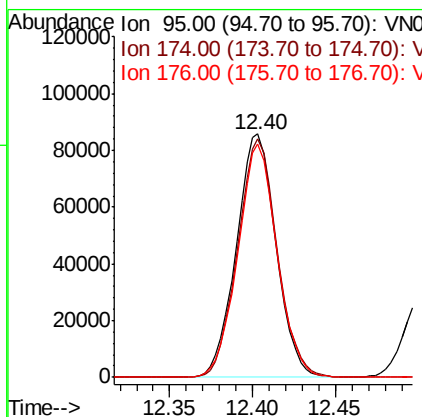
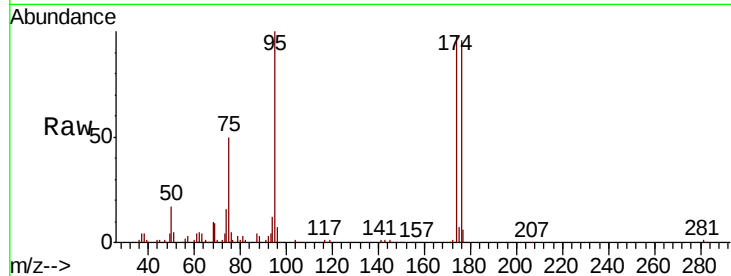




#60
4-Bromofluorobenzene
Concen: 50.228 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

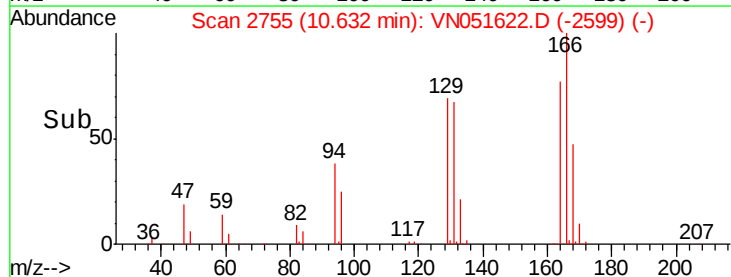
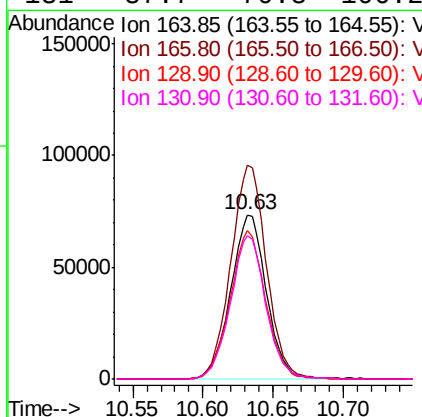
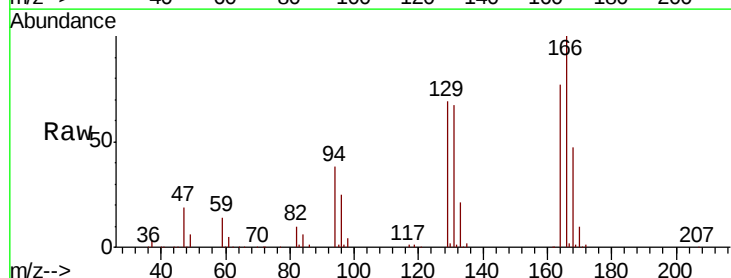
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

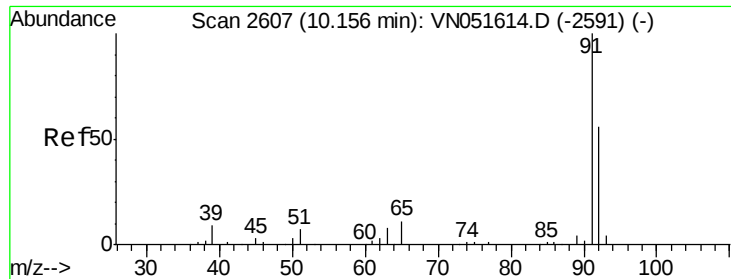
Tot Ion: 95 Resp: 142415
Ion Ratio Lower Upper
95 100
174 97.9 71.2 106.8
176 94.7 67.8 101.8



#61
Tetrachloroethene
Concen: 26.878 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion: 164 Resp: 129694
Ion Ratio Lower Upper
164 100
166 130.0 103.1 154.7
129 90.3 75.3 112.9
131 87.7 70.8 106.2





#62

Toluene

Concen: 23.235 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

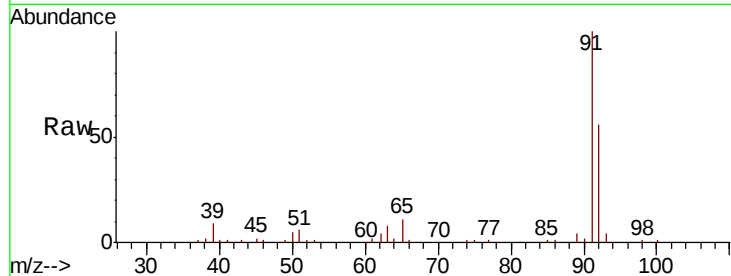
PT-VOA-WPDL

Tot Ion: 91 Resp: 485552

Ion Ratio Lower Upper

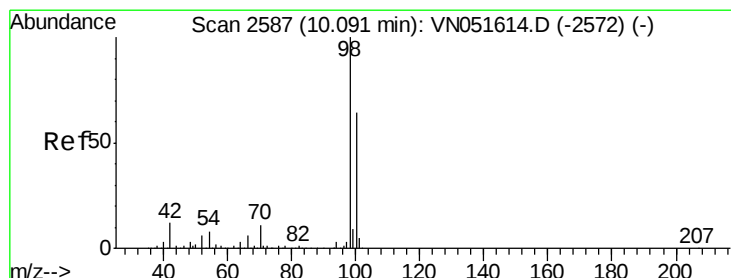
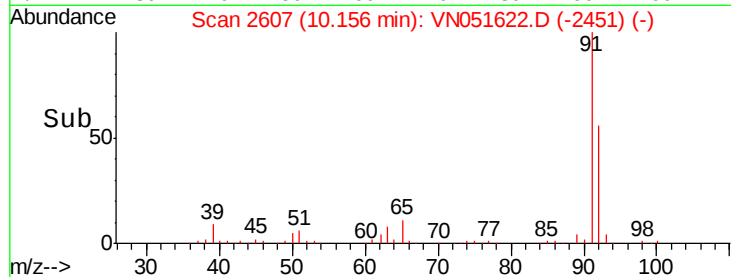
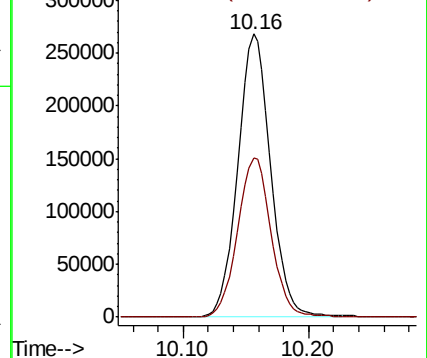
91 100

92 57.6 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



#63

Toluene-d8

Concen: 23.235 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051622.D

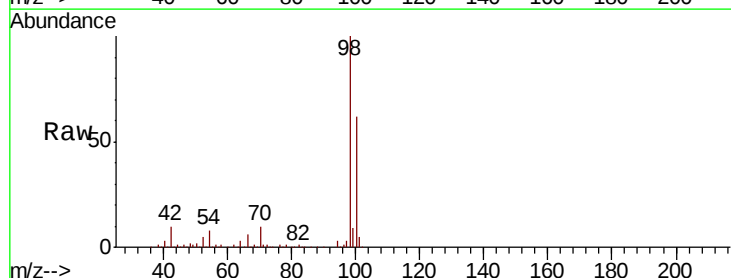
Acq: 28 Sep 2018 18:23

Tgt Ion: 98 Resp: 460272

Ion Ratio Lower Upper

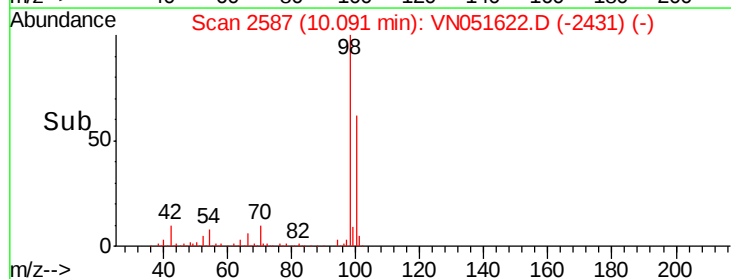
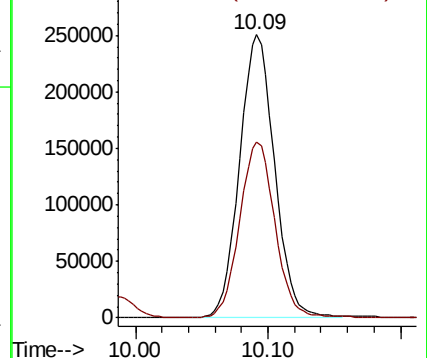
98 100

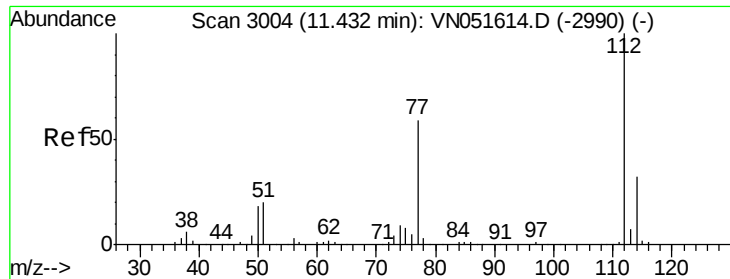
100 63.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

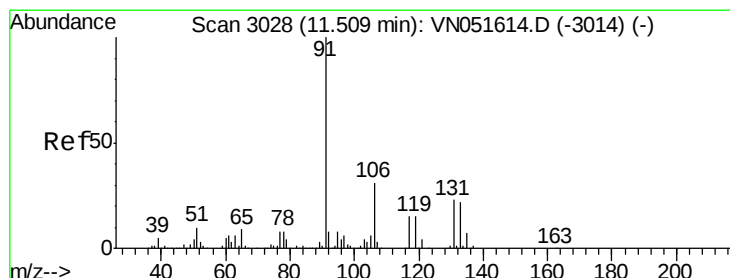
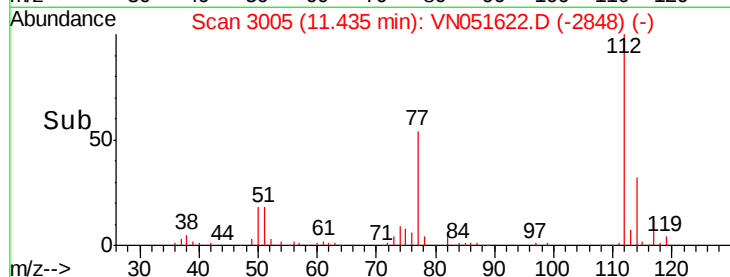
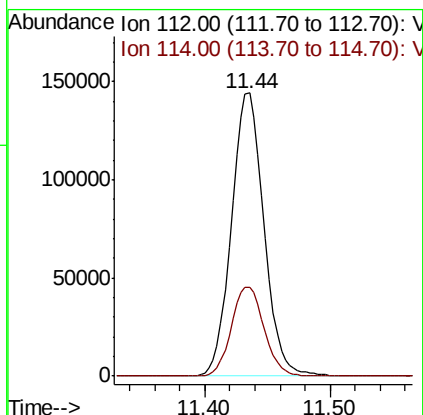
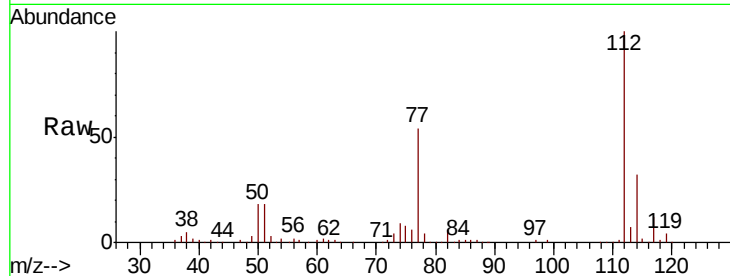




#64
Chlorobenzene
Concen: 20.507 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

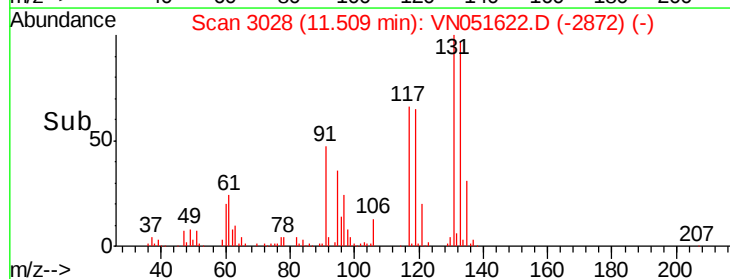
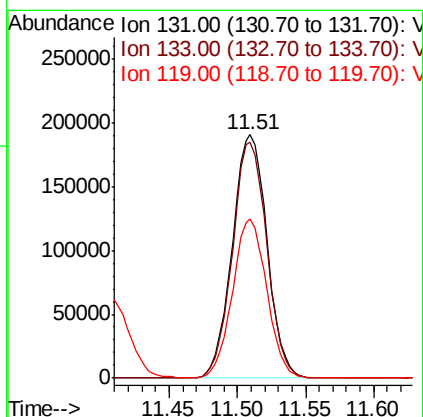
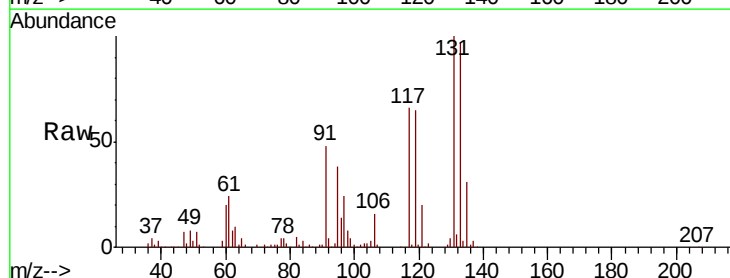
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

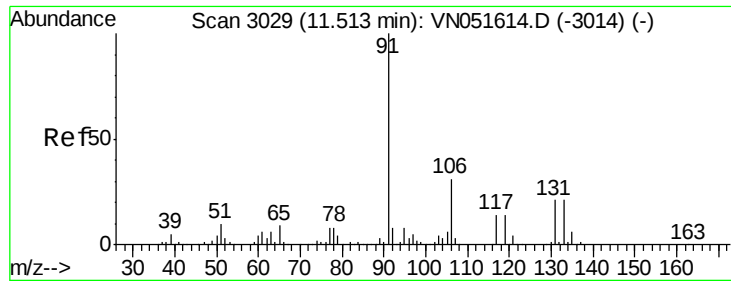
Tot Ion:112 Resp: 259114
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#65
1,1,1,2-Tetrachloroethane
Concen: 70.055 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion:131 Resp: 337996
Ion Ratio Lower Upper
131 100
133 96.0 0.0 193.0
119 64.2 0.0 135.0





#66

Ethyl Benzene

Concen: 7.458 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

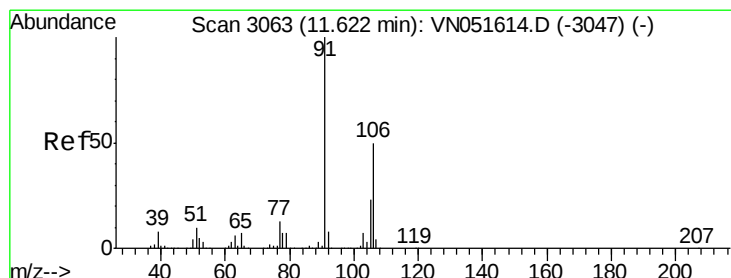
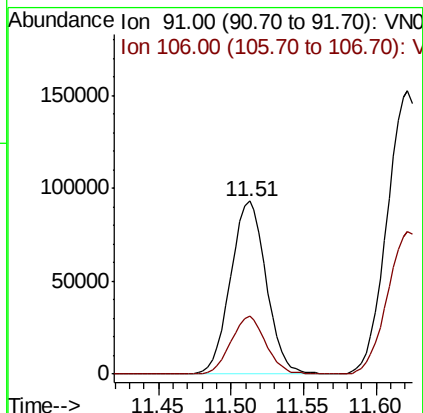
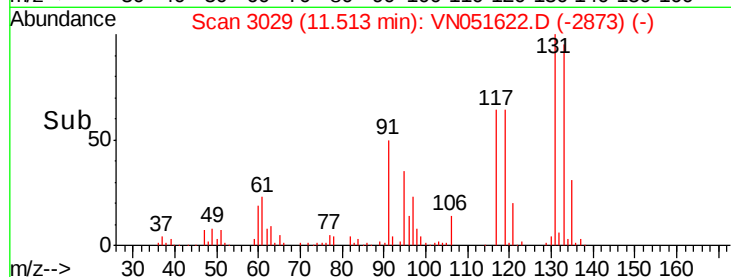
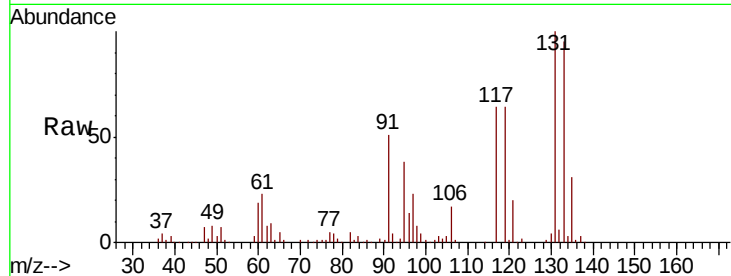
PT-VOA-WPDL

Tot Ion: 91 Resp: 159513

Ion Ratio Lower Upper

91 100

106 33.2 25.0 37.4



#67

m/p-Xylenes

Concen: 18.044 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051622.D

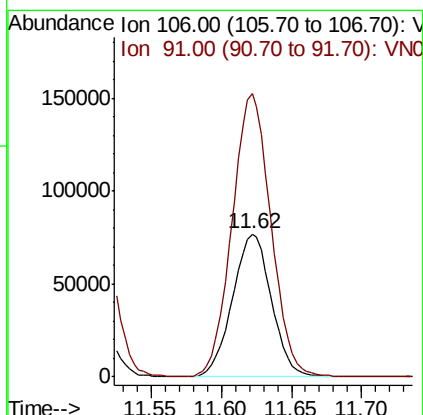
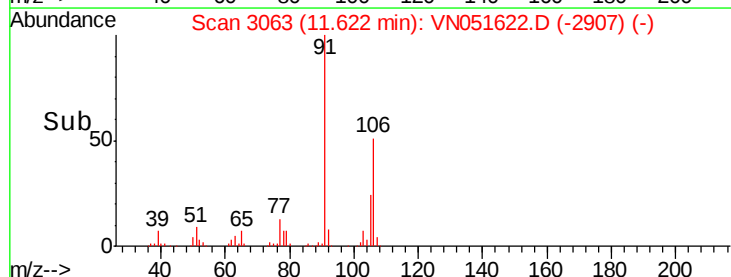
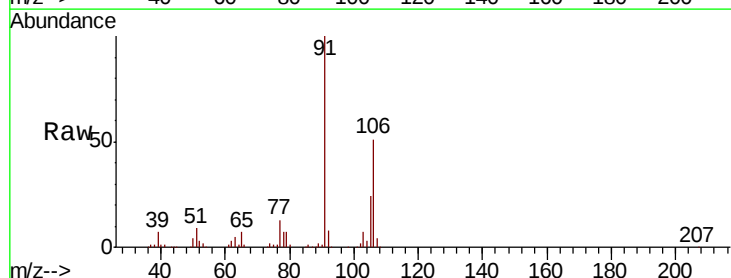
Acq: 28 Sep 2018 18:23

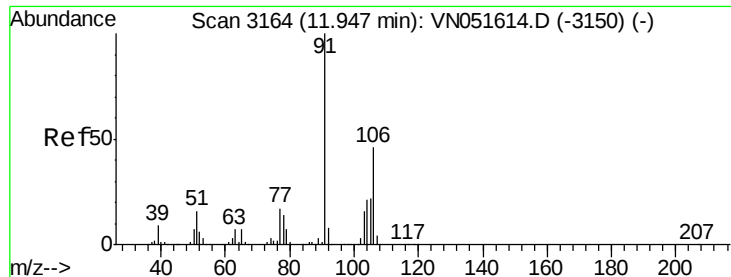
Tgt Ion: 106 Resp: 148736

Ion Ratio Lower Upper

106 100

91 198.1 161.5 242.3

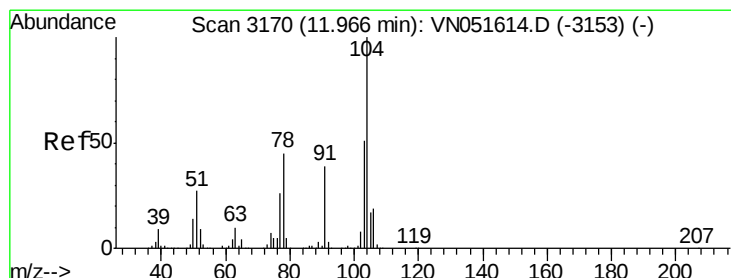
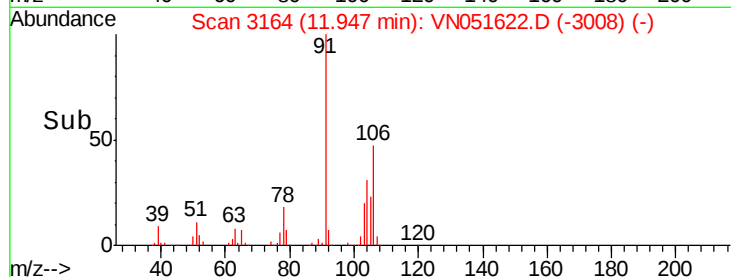
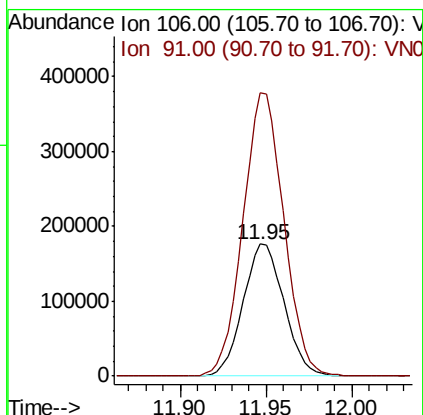
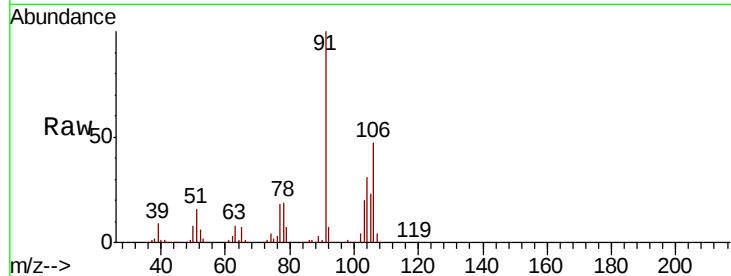




#68
o-Xylene
Concen: 37.039 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

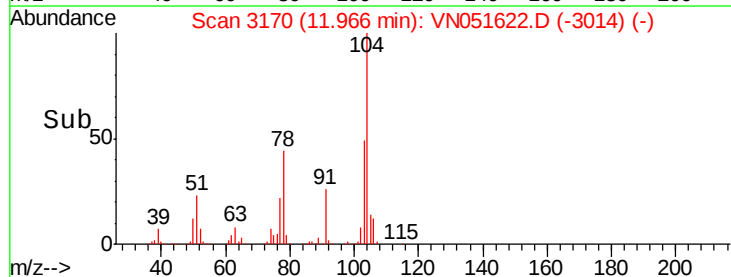
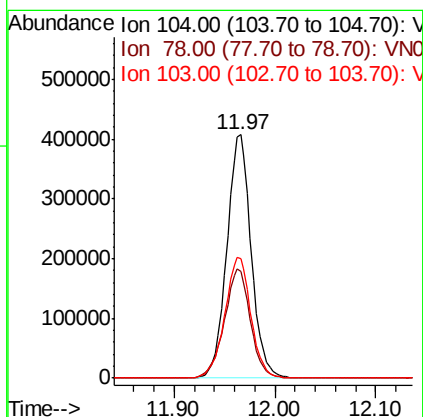
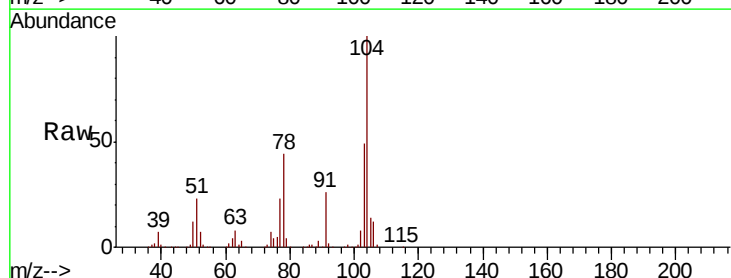
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

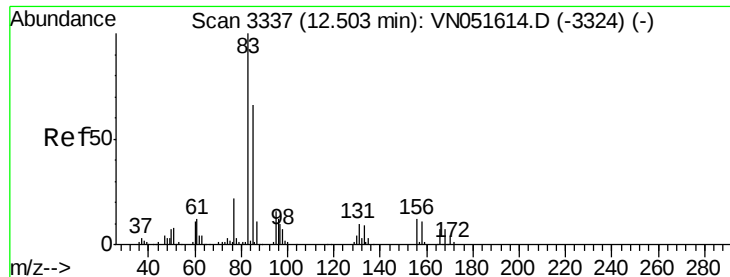
Tot Ion:106 Resp: 291450
Ion Ratio Lower Upper
106 100
91 214.7 109.7 329.1



#69
Styrene
Concen: 55.478 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion:104 Resp: 685190
Ion Ratio Lower Upper
104 100
78 47.9 40.3 60.5
103 53.2 45.7 68.5

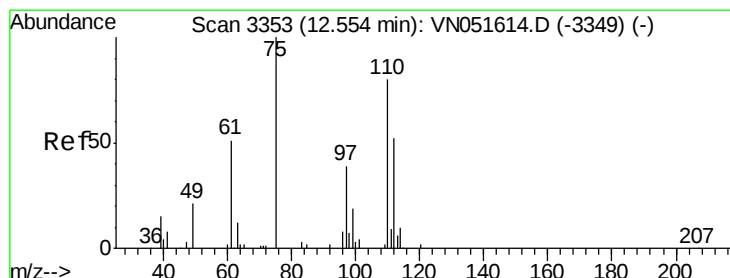
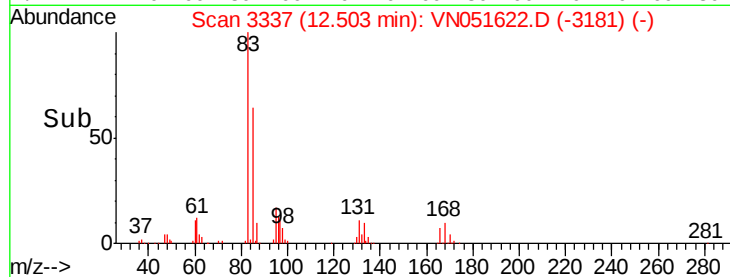
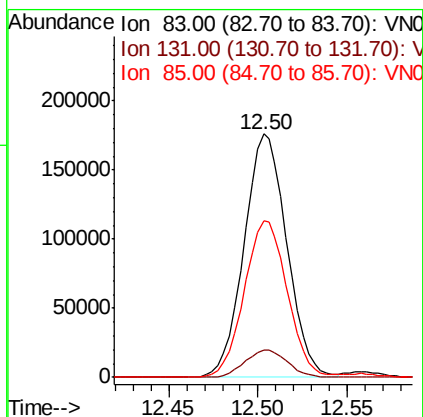
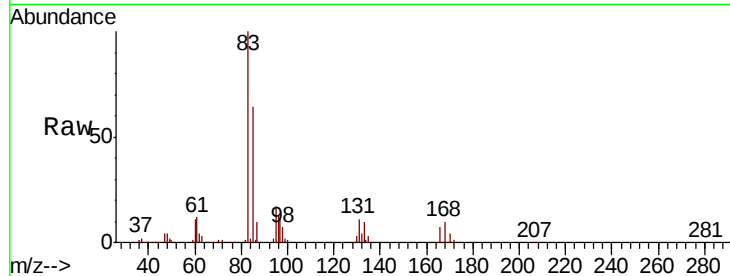




#71
 1,1,2,2-Tetrachloroethane
 Concen: 58.167 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

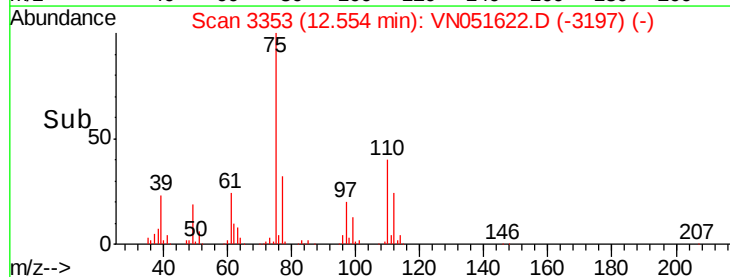
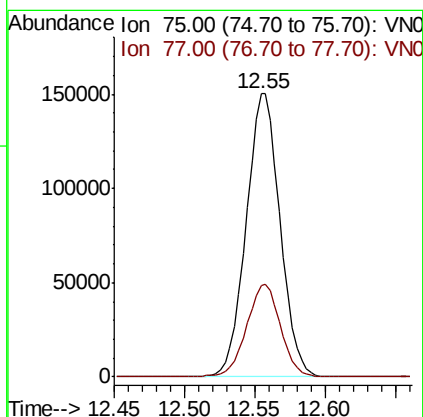
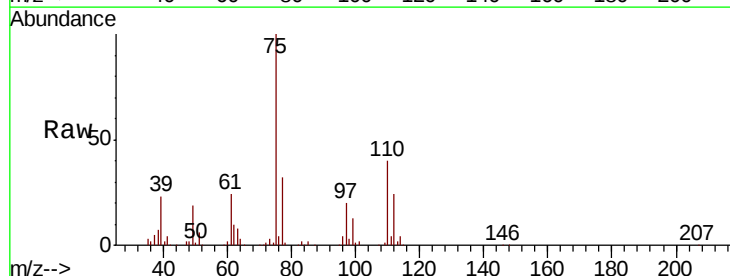
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

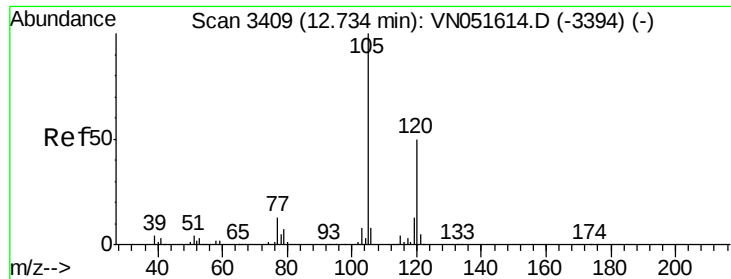
Tot Ion	83	Resp	295379
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.2	15.6
85	64.7	32.0	96.2



#72
 1,2,3-Trichloropropane
 Concen: 58.233 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt Ion	75	Resp	252827
Ion	Ratio	Lower	Upper
75	100		
77	32.9	0.0	492.2





#76

1,3,5-Trimethylbenzene

Concen: 24.141 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

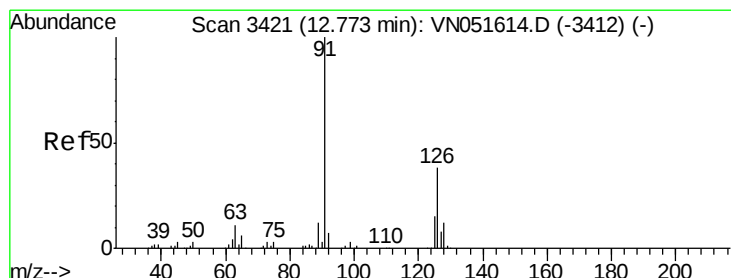
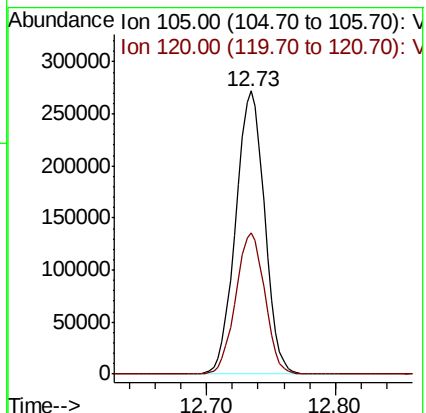
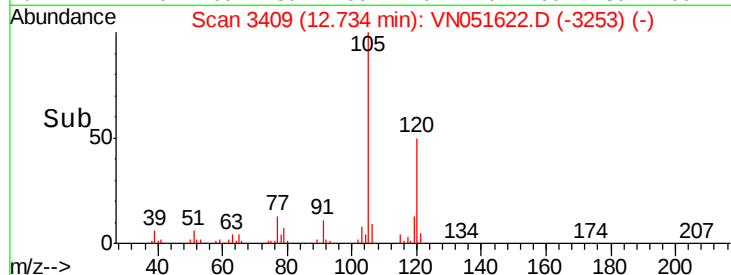
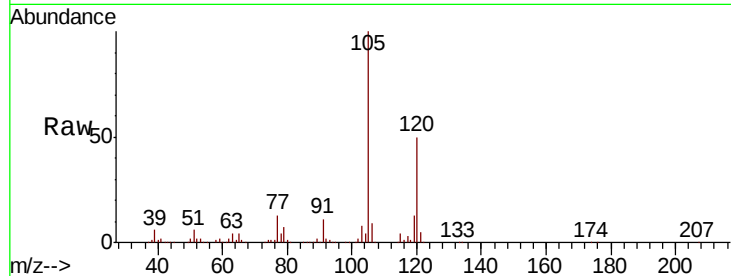
PT-VOA-WPDL

Tot Ion:105 Resp: 423405

Ion Ratio Lower Upper

105 100

120 50.1 0.0 99.8



#78

4-Chlorotoluene

Concen: 3.166 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN051622.D

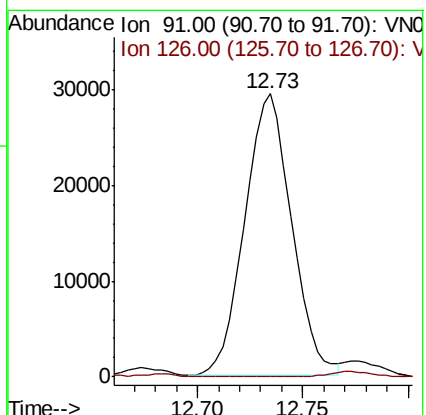
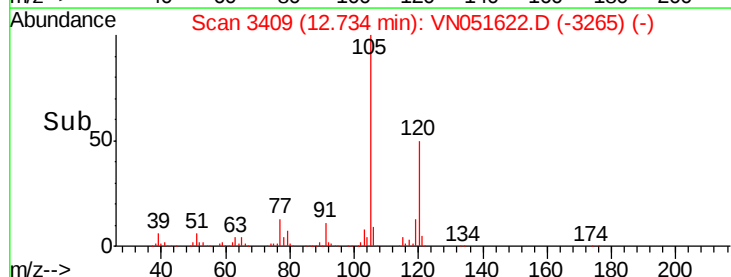
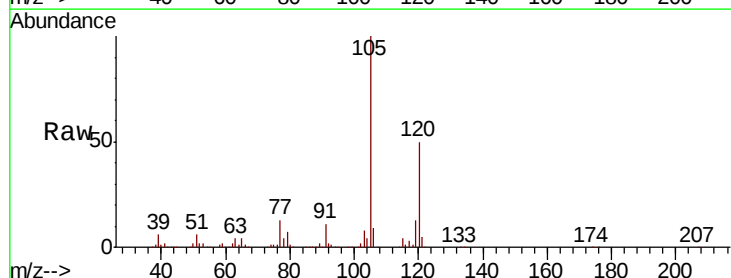
Acq: 28 Sep 2018 18:23

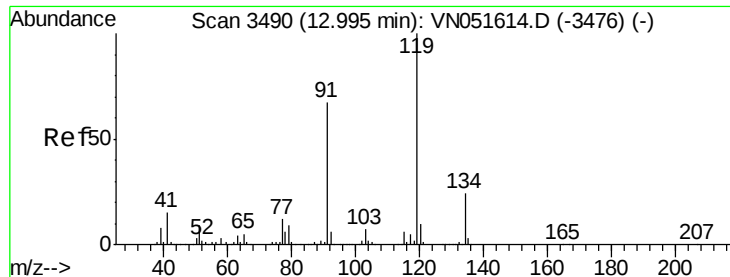
Tgt Ion: 91 Resp: 45631

Ion Ratio Lower Upper

91 100

126 1.7 0.0 68.6

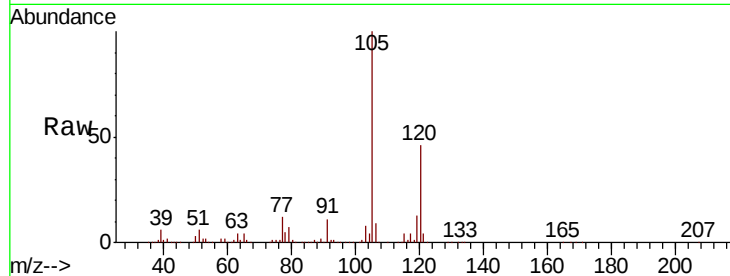




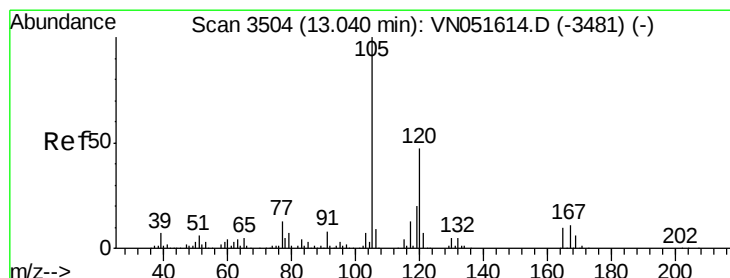
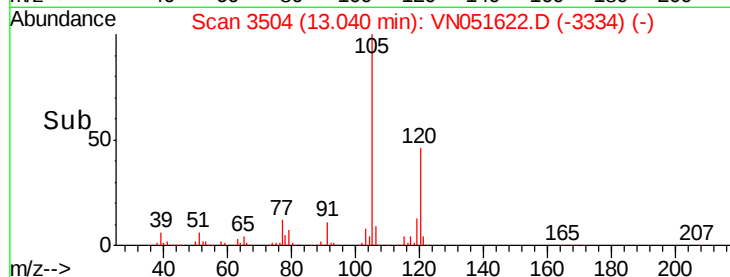
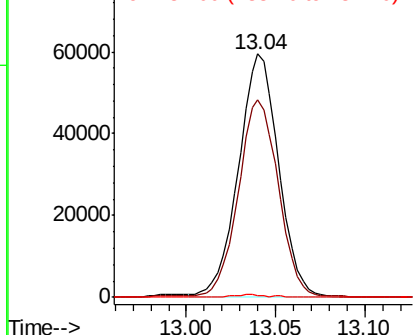
#79
tert-butylbenzene
Concen: 6.146 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tot Ion:119 Resp: 93389
Ion Ratio Lower Upper
119 100
91 79.7 0.0 132.4
134 0.9 0.0 48.4

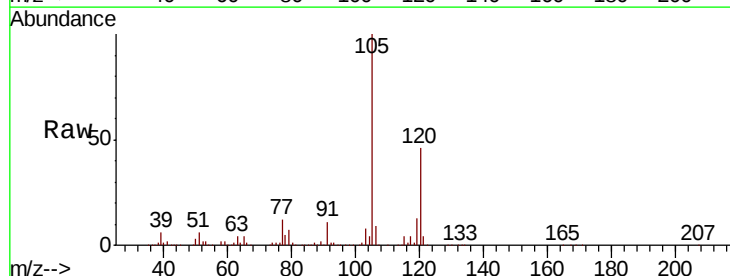


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

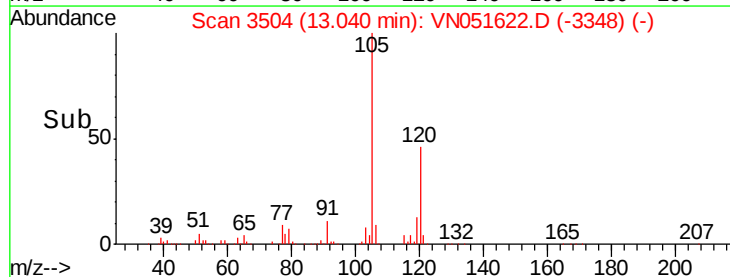
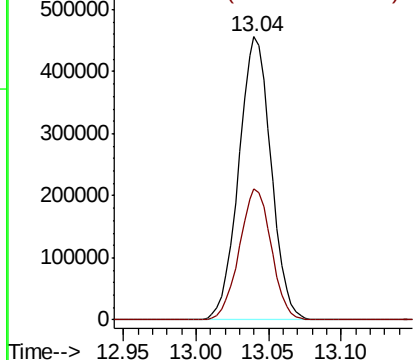


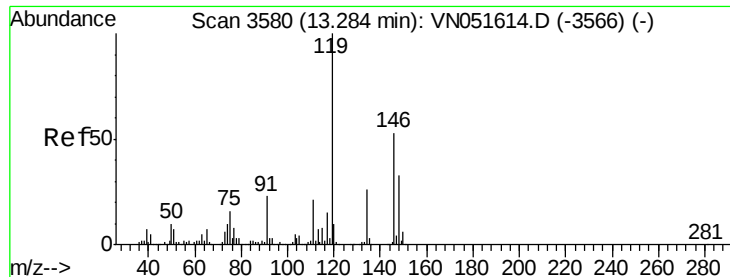
#80
1,2,4-Trimethylbenzene
Concen: 40.257 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion:105 Resp: 705207
Ion Ratio Lower Upper
105 100
120 46.0 0.0 91.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

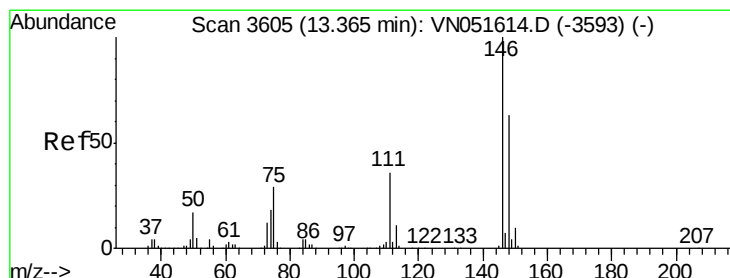
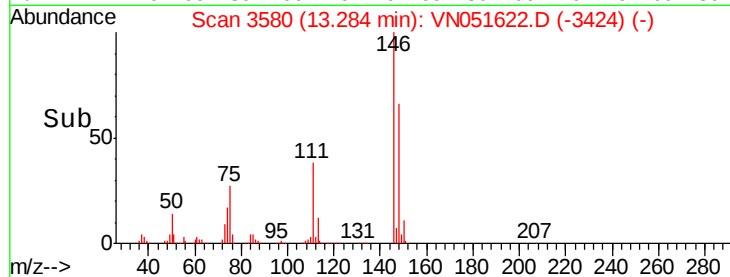
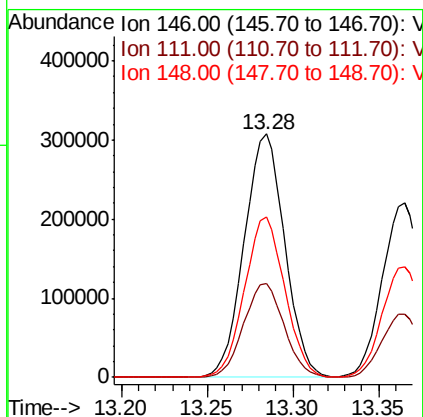
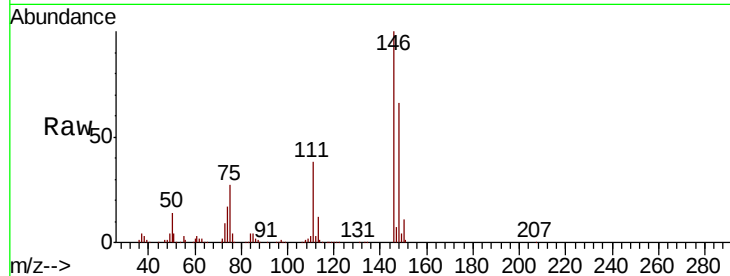




#83
 1,3-Dichlorobenzene
 Concen: 55.398 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

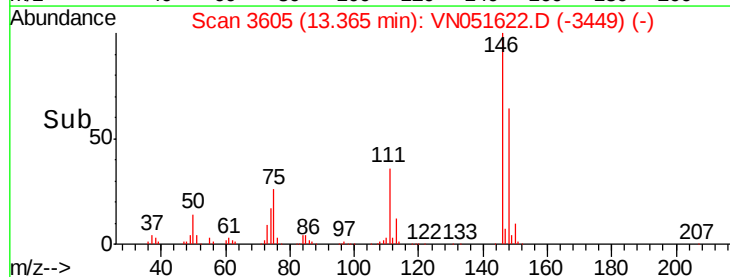
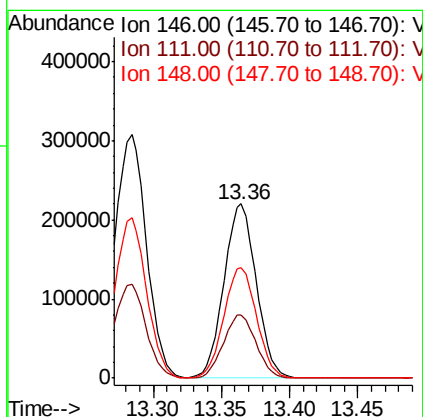
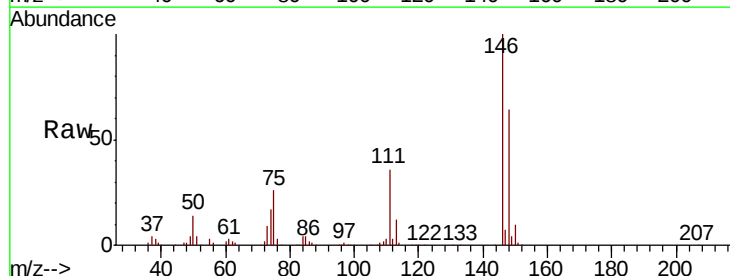
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

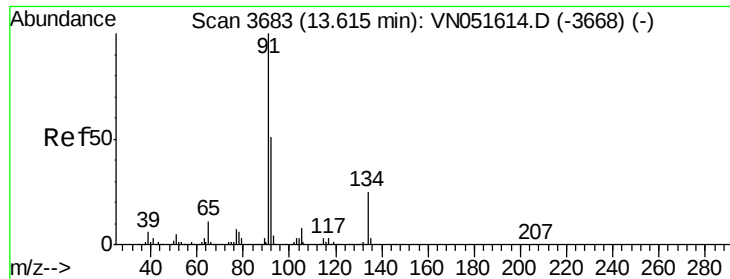
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.6
148	65.3	32.4	97.2



#84
 1,4-Dichlorobenzene
 Concen: 42.392 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.6	55.8
148	64.3	32.1	96.5

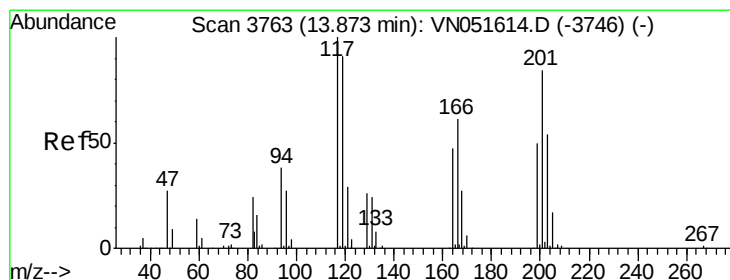
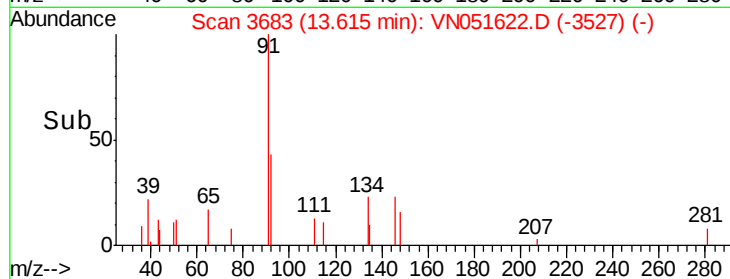
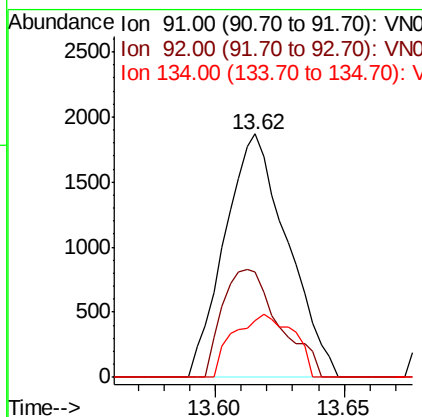
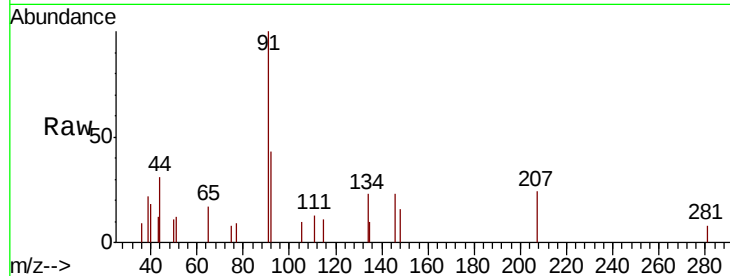




#85
n-Butylbenzene
Concen: 0.215 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

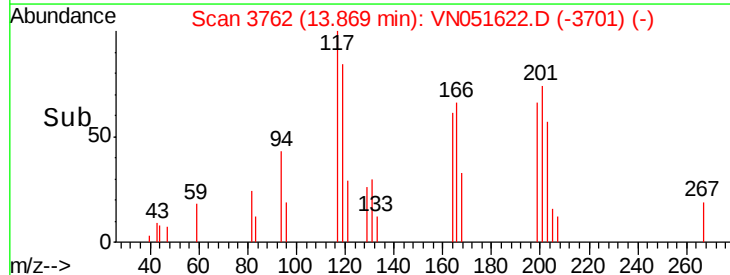
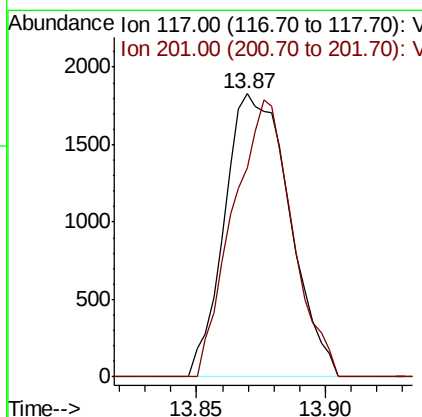
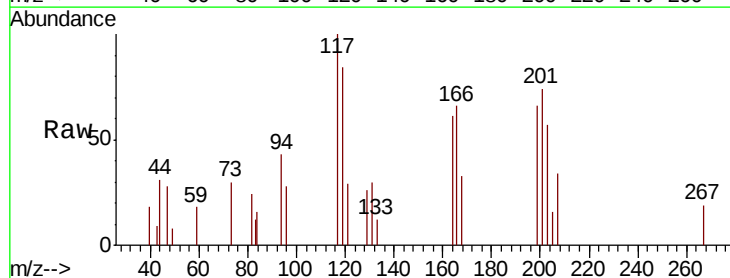
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

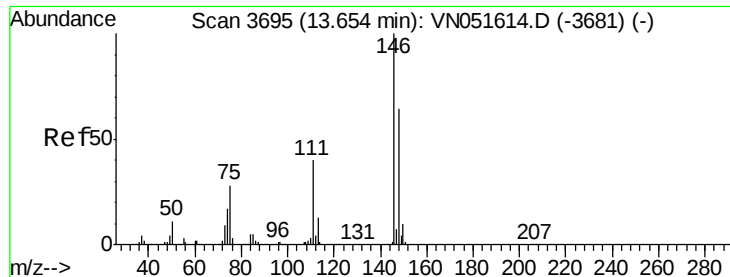
Tot Ion: 91 Resp: 3166
Ion Ratio Lower Upper
91 100
92 40.0 0.0 101.6
134 24.6 0.0 50.6



#86
Hexachloroethane
Concen: 0.895 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion: 117 Resp: 3211
Ion Ratio Lower Upper
117 100
201 89.2 42.9 128.5

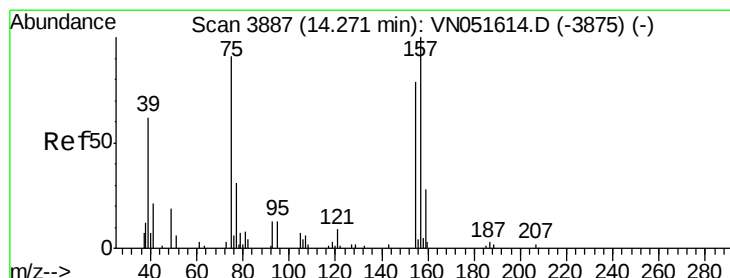
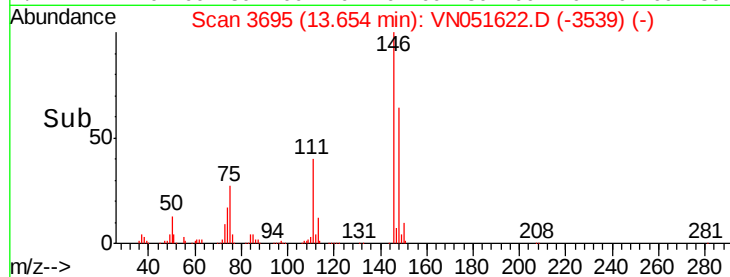
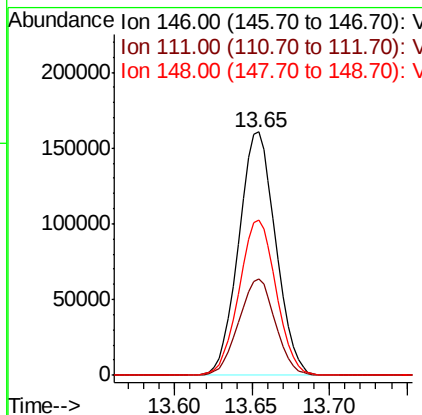
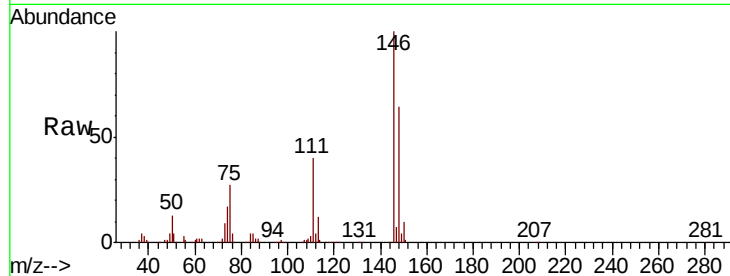




#87
 1,2-Dichlorobenzene
 Concen: 30.060 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

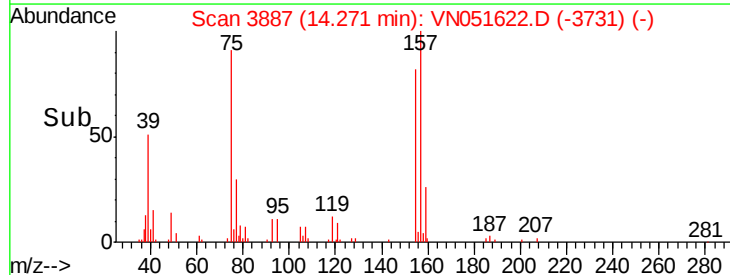
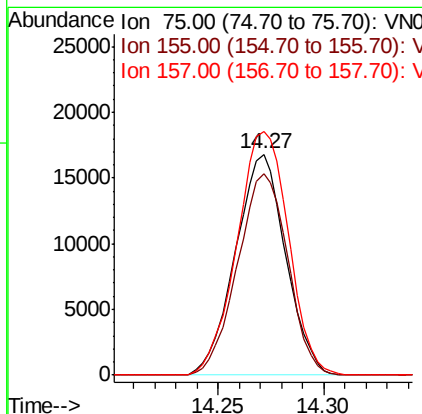
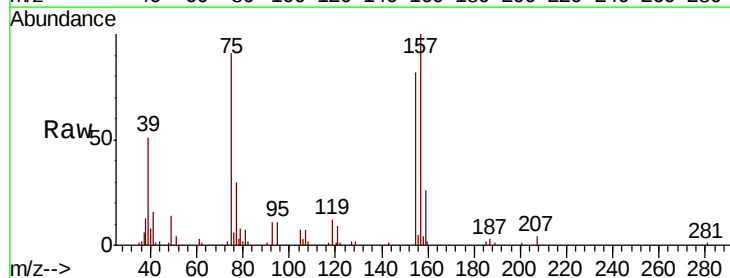
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

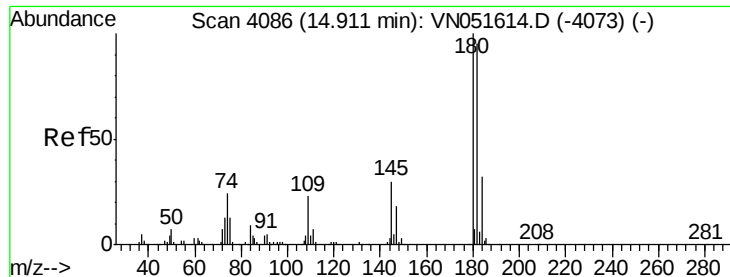
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.3
148	63.9	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 37.620 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	67.1	100.7
157	113.4	85.8	128.6

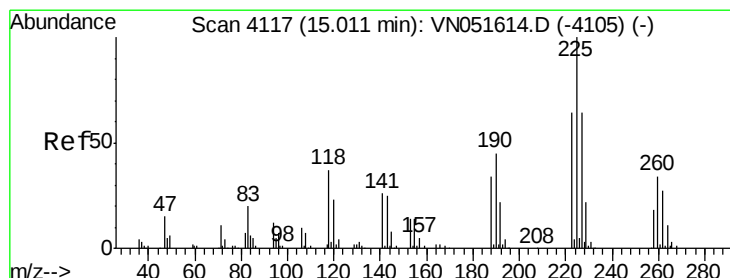
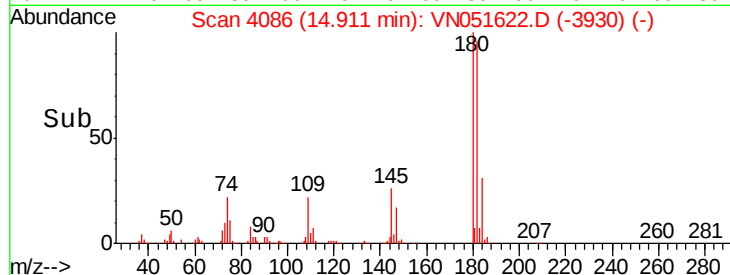
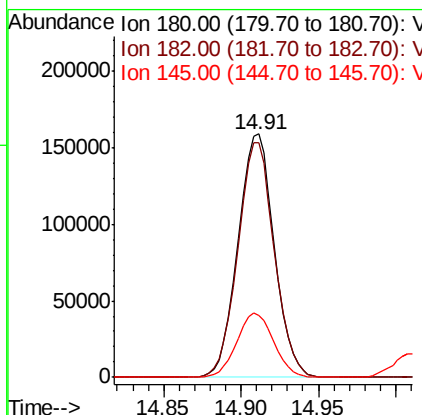
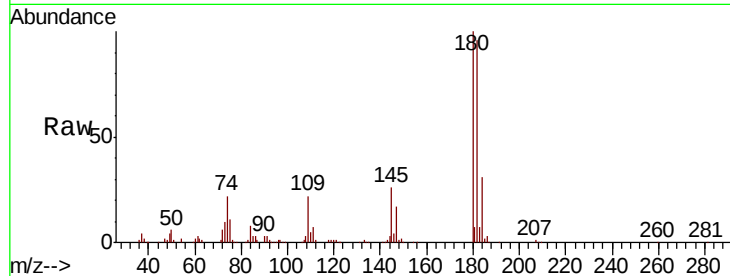




#89
 1,2,4-Trichlorobenzene
 Concen: 62.107 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

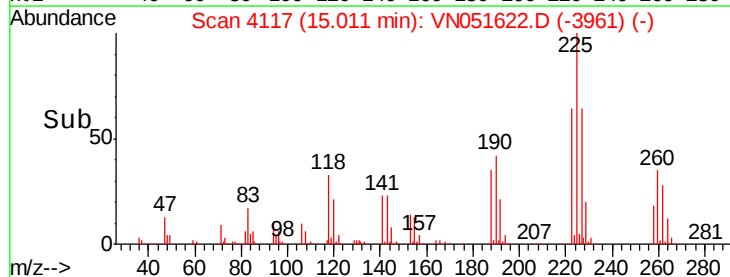
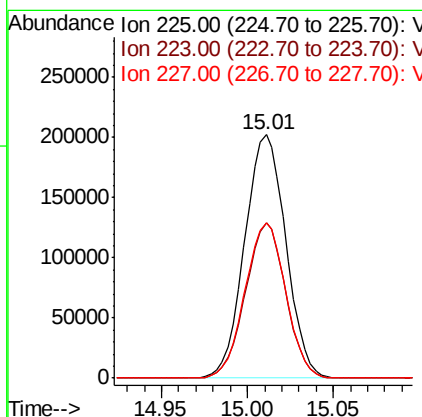
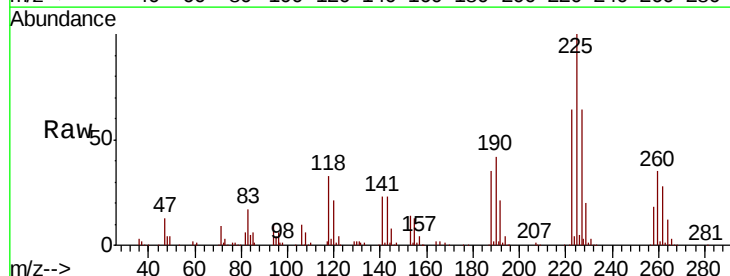
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

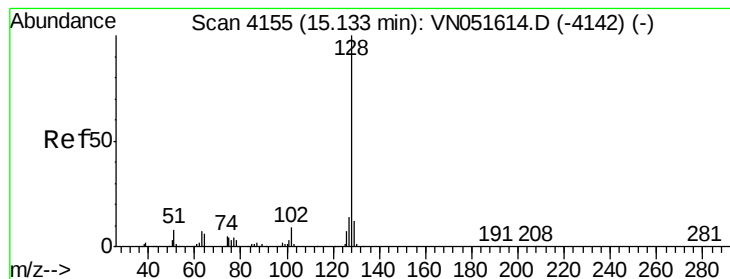
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.2	112.8
145	26.9	22.9	34.3



#90
 Hexachlorobutadiene
 Concen: 98.943 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	131.0
227	63.1	0.0	129.0





#91

Naphthalene

Concen: 50.937 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

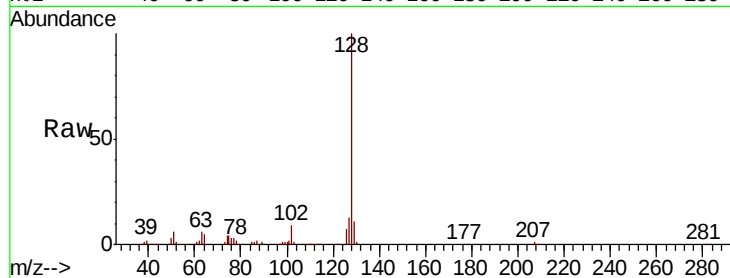
Tot Ion:128 Resp: 522454

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 10.8 9.1 13.7

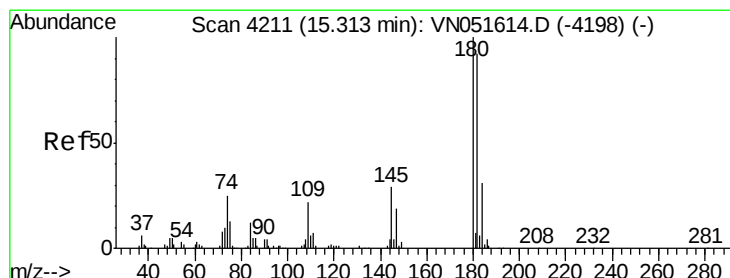
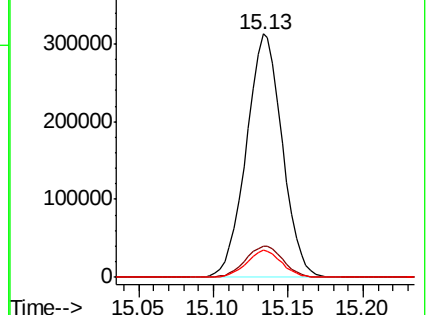
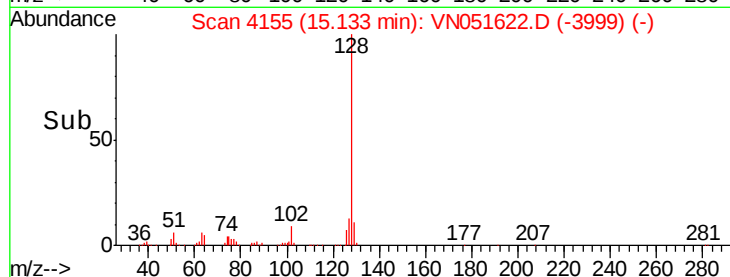


Abundance

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



#92

1,2,3-Trichlorobenzene

Concen: 1.575 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

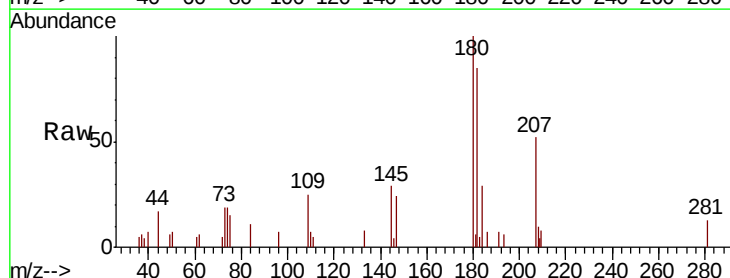
Tgt Ion:180 Resp: 6601

Ion Ratio Lower Upper

180 100

182 90.7 0.0 191.8

145 30.2 0.0 60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

