

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 : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

Manual Integrations
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MMDadoda
 10/3/2018 5:27:46 PM

Quant Time: Sep 29 05:21:32 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	5773m	1.040	ug/l
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
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
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
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
72) 1,2,3-Trichloropropane	12.55	75	252827	58.233	ug/l 1
76) 1,3,5-Trimethylbenzene	12.73	105	423405	24.141	ug/l 100
80) 1,2,4-Trimethylbenzene	13.04	105	705207	40.257	ug/l 100
83) 1,3-Dichlorobenzene	13.28	146	504219	55.398	ug/l 99
84) 1,4-Dichlorobenzene	13.36	146	362691	42.392	ug/l 99

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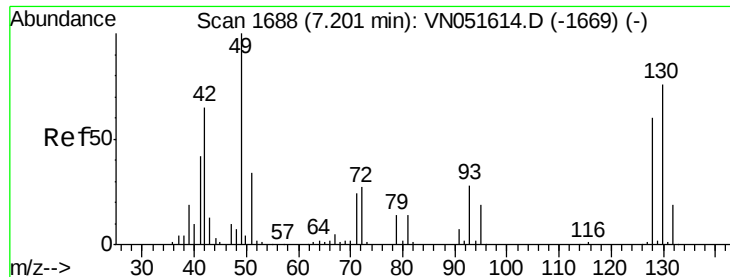
Manual Integrations
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Quant Time: Sep 29 05:21:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
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 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) n-Butylbenzene	13.62	91	3166	0.215	ug/l	89
86) Hexachloroethane	13.87	117	3211	0.895	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	267647	30.060	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27844	37.620	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	258823	62.107	ug/l	97
90) Hexachlorobutadiene	15.01	225	336155	98.943	ug/l	97
91) Naphthalene	15.13	128	522454	50.937	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	6601	1.575	ug/l	96

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



#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

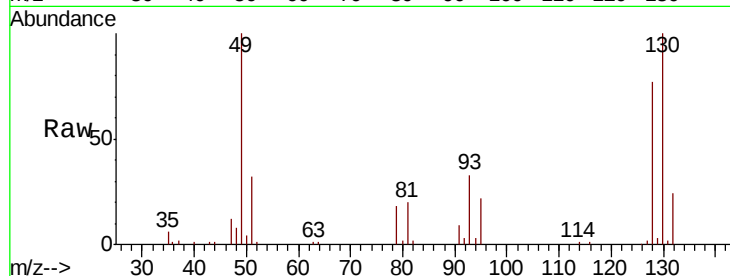
128 100

49 131.3 0.0 426.8

130 128.8 0.0 326.3

Manual Integrations
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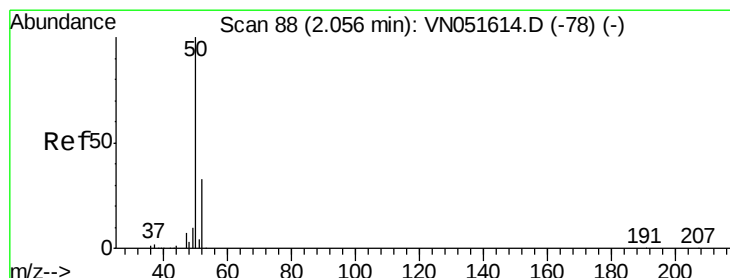
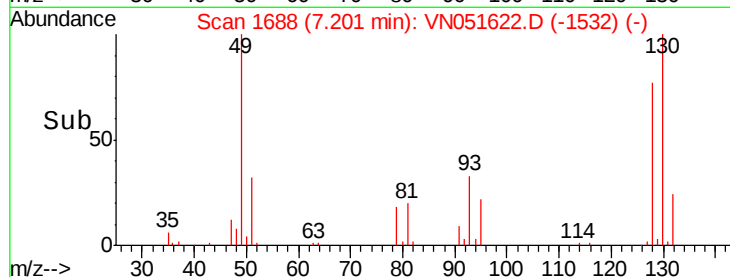
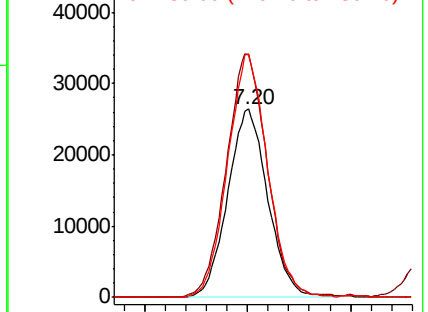
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Abundance Ion 128.00 (127.70 to 128.70): V

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

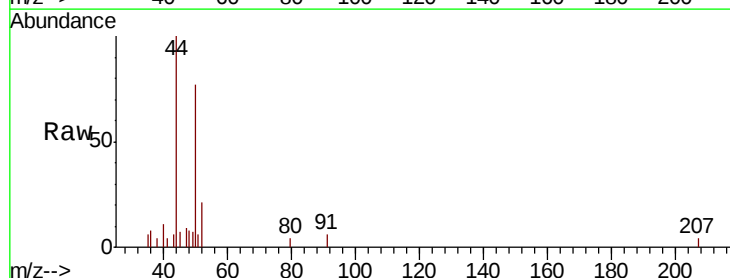
Acq: 28 Sep 2018 18:23

Tgt Ion: 50 Resp: 4003

Ion Ratio Lower Upper

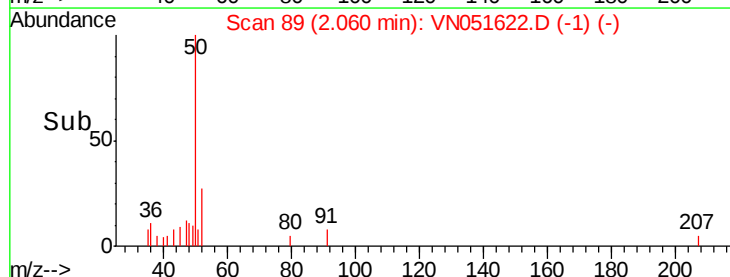
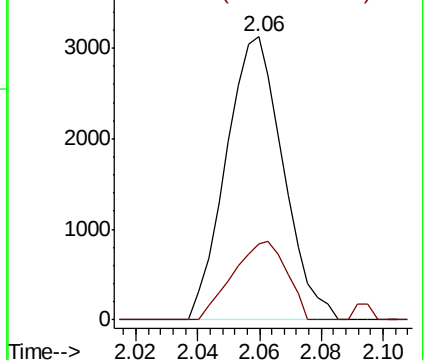
50 100

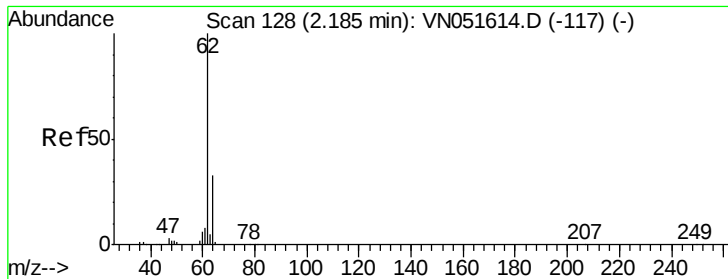
52 27.1 26.0 39.0



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

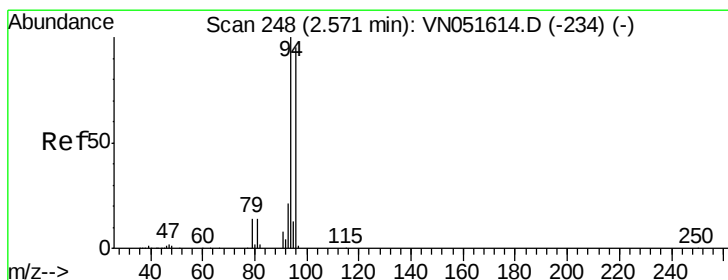
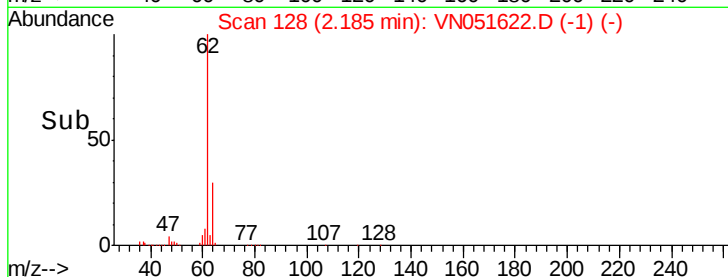
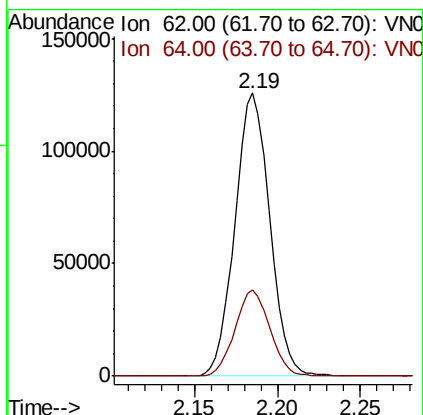
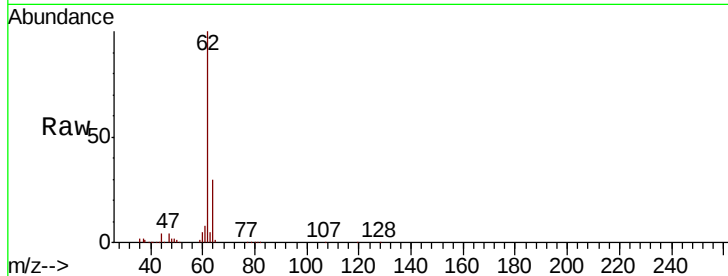
64 30.3 26.3 39.5

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#5

Bromomethane

Concen: 43.883 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051622.D

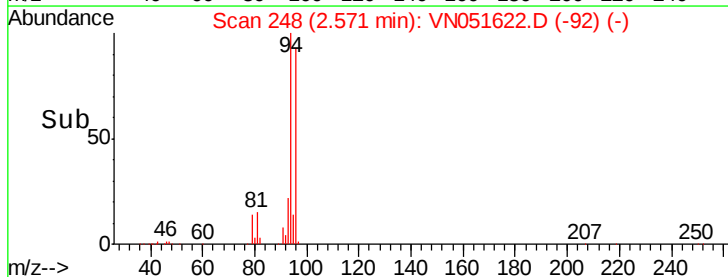
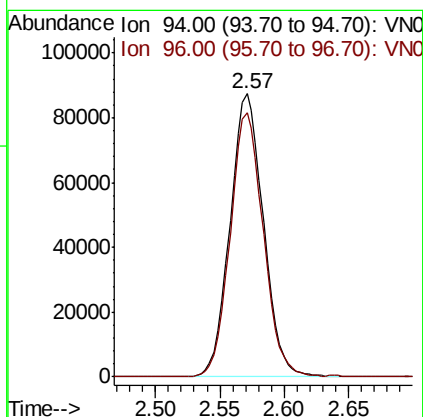
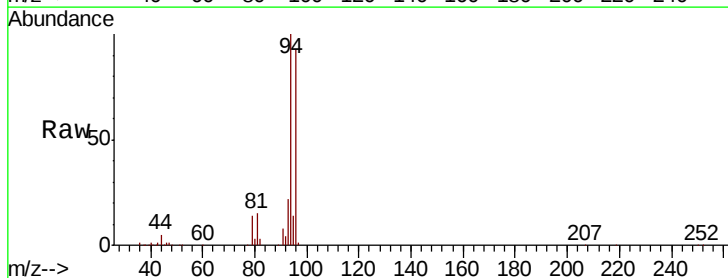
Acq: 28 Sep 2018 18:23

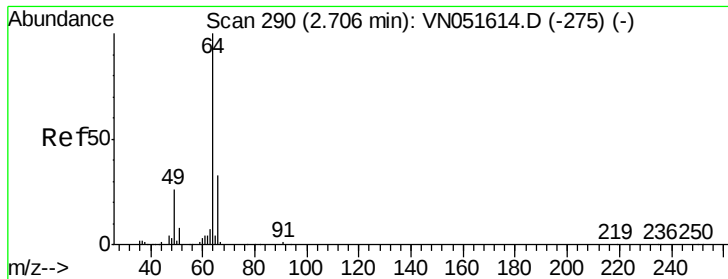
Tgt Ion: 94 Resp: 156837

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

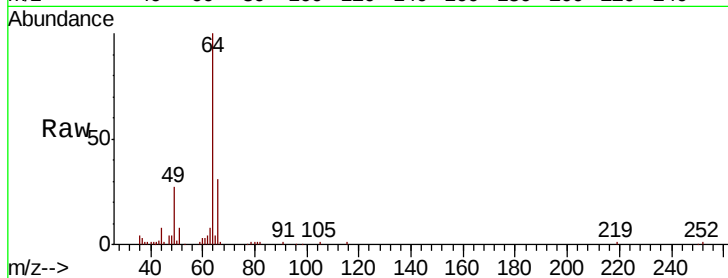
66 30.7 26.1 39.1

Manual Integrations

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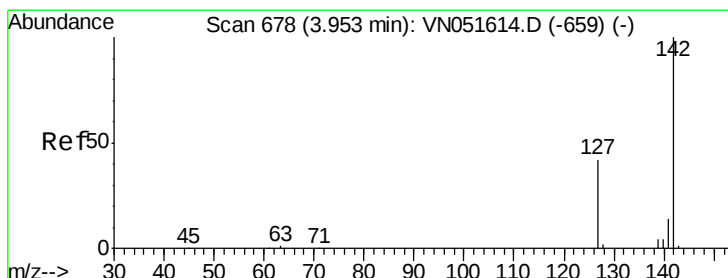
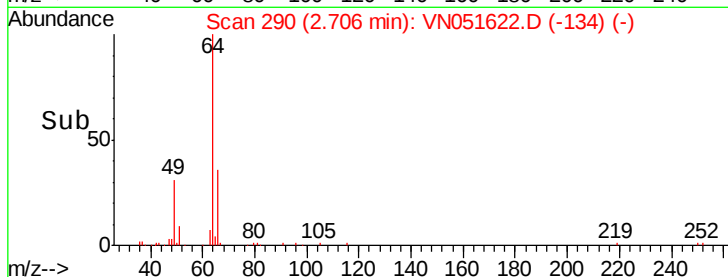
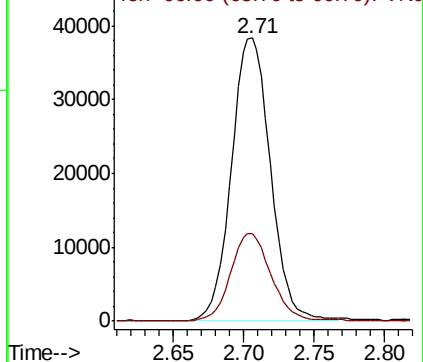
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Abundance Ion 64.00 (63.70 to 64.70): VN051614.D (-275) (-)

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



#11

Methyl Iodide

Concen: 1.040 ug/l m

RT: 3.95 min Scan# 676

Delta R.T. -0.01 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

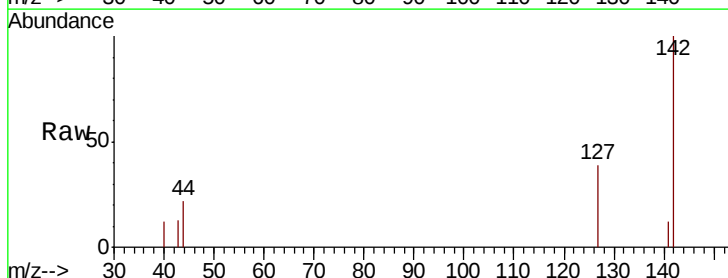
Tgt Ion: 142 Resp: 5773

Ion Ratio Lower Upper

142 100

127 39.4 21.1 63.1

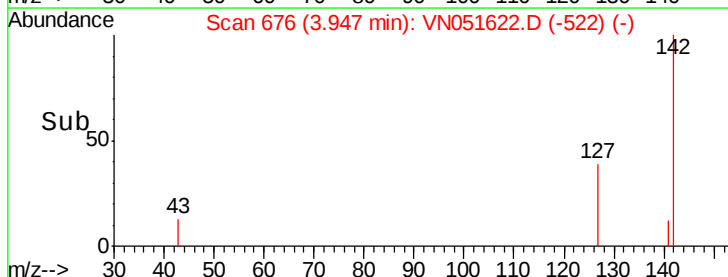
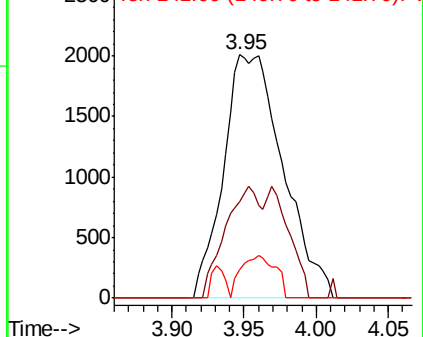
141 11.8 7.1 21.4

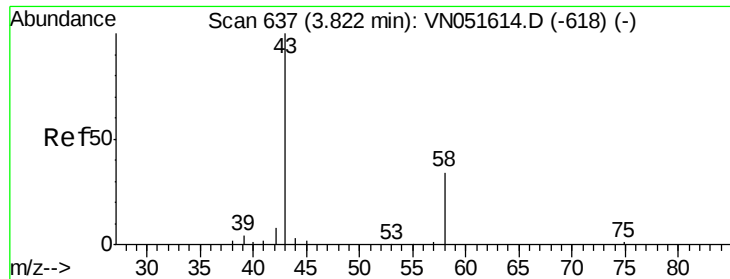


Abundance Ion 142.00 (141.70 to 142.70): VN051614.D (-659) (-)

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

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





#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

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tot Ion: 58 Resp: 19343

Ion Ratio Lower Upper

58 100

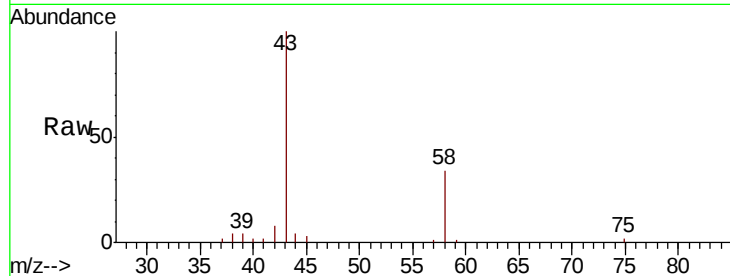
43 286.8 238.0 357.0

Manual Integrations

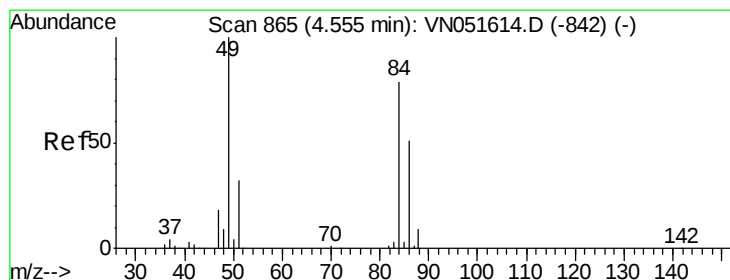
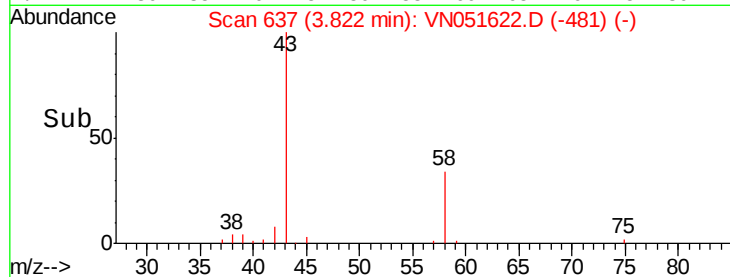
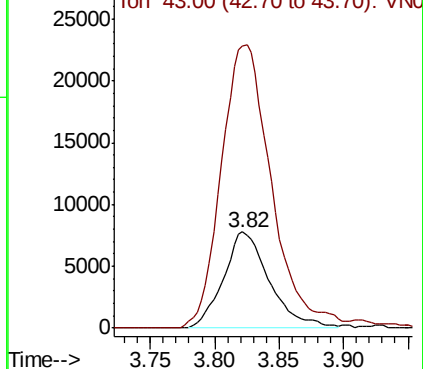
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Abundance Ion 58.00 (57.70 to 58.70): VN051614.D (-618) (-)



#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

Tgt Ion: 84 Resp: 63875

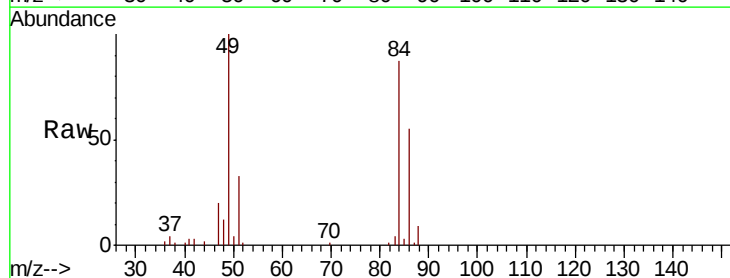
Ion Ratio Lower Upper

84 100

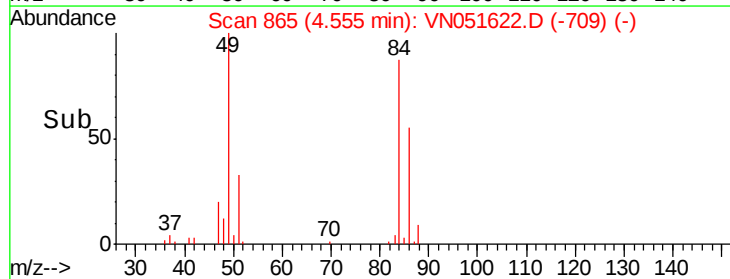
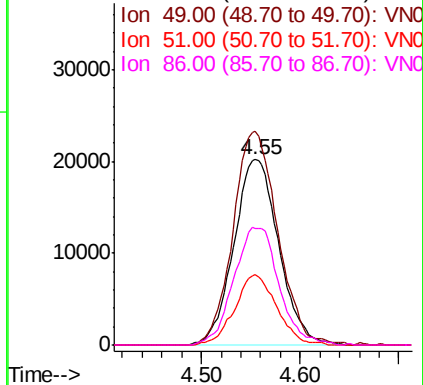
49 115.2 100.9 151.3

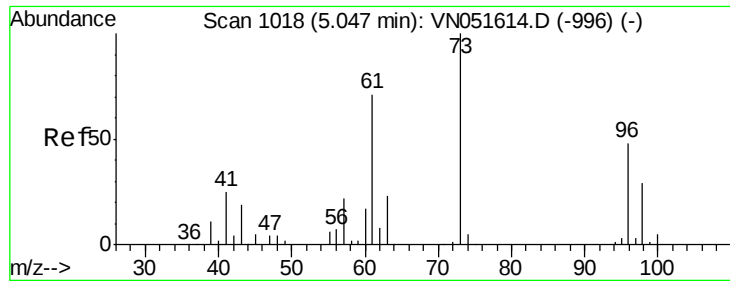
51 37.8 32.5 48.7

86 63.0 51.3 76.9



Abundance Ion 84.00 (83.70 to 84.70): VN051614.D (-842) (-)





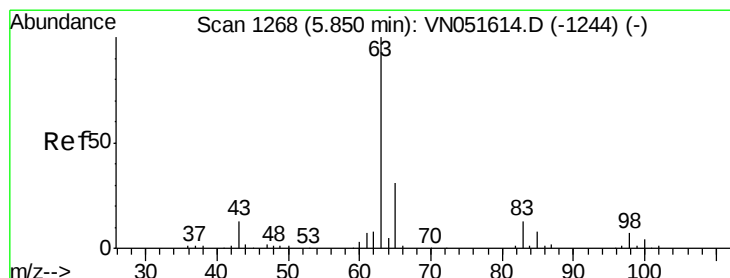
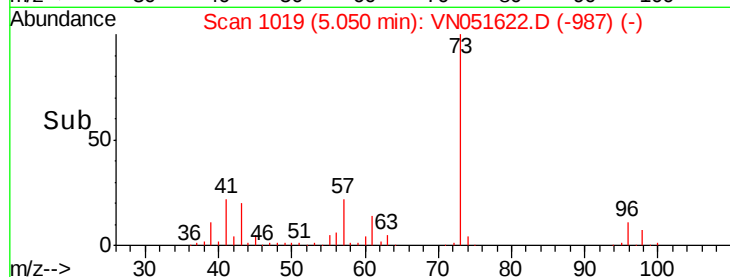
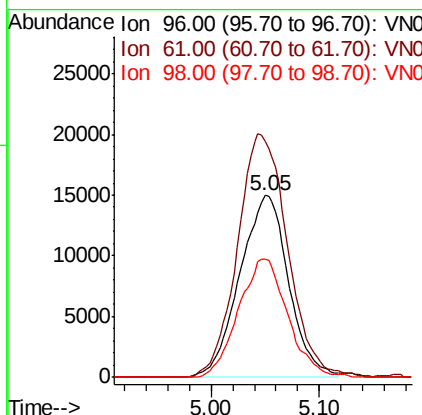
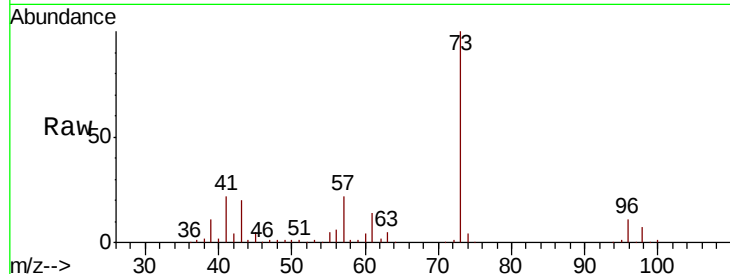
#19
trans-1,2-Dichloroethene
Concen: 10.289 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	118.0	177.0
98	65.2	49.0	73.4

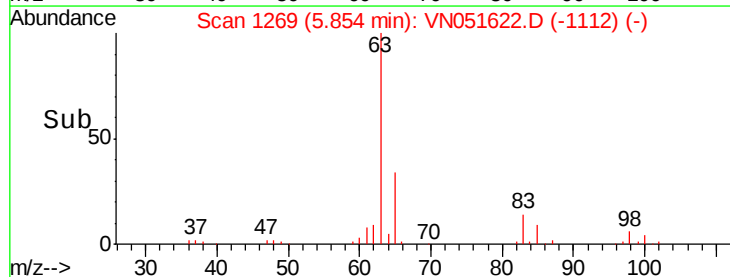
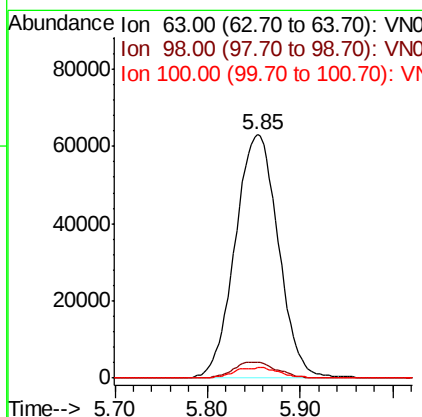
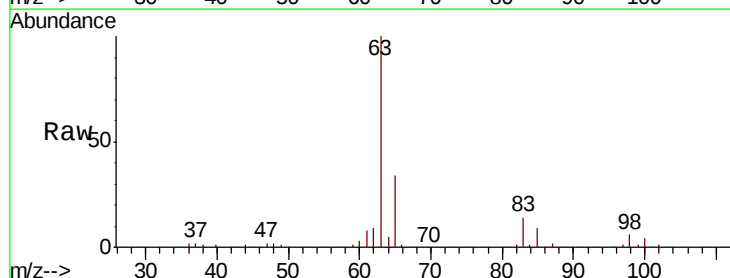
Manual Integrations
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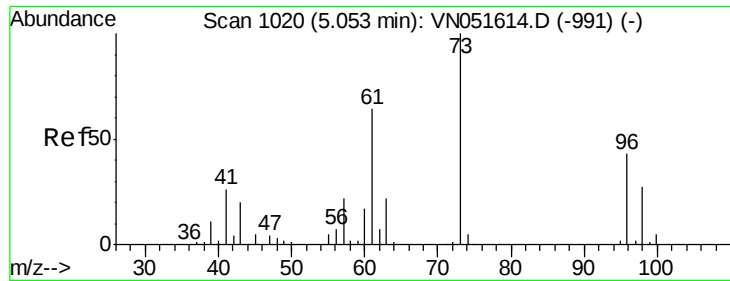
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#21
1,1-Dichloroethane
Concen: 22.436 ug/l
RT: 5.85 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.9
100	4.3	2.0	5.8





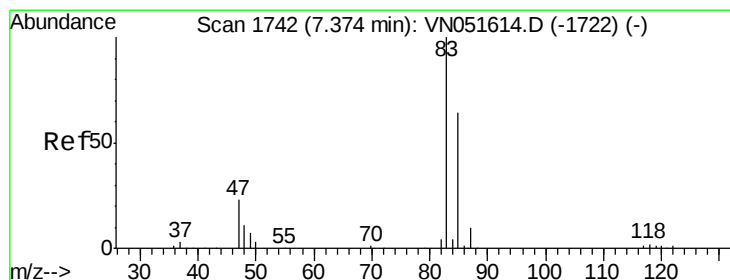
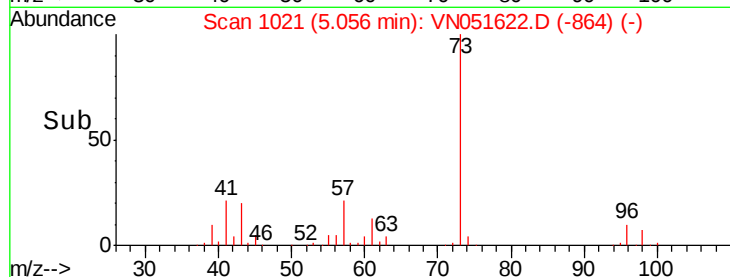
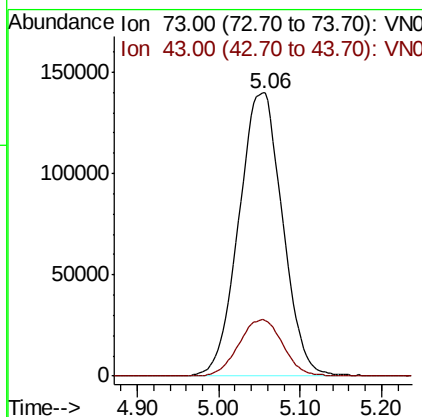
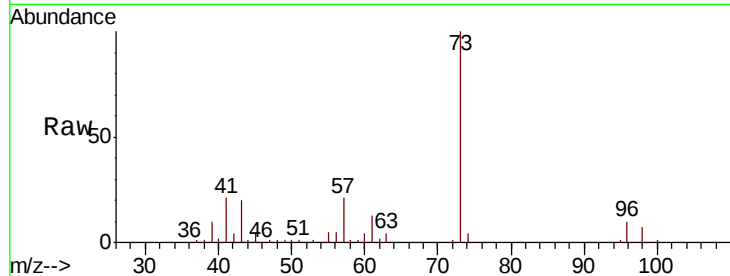
#24
Methvl tert-Butvl Ether
Concen: 45.833 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

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

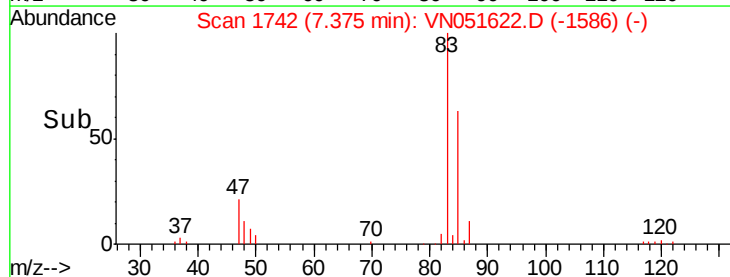
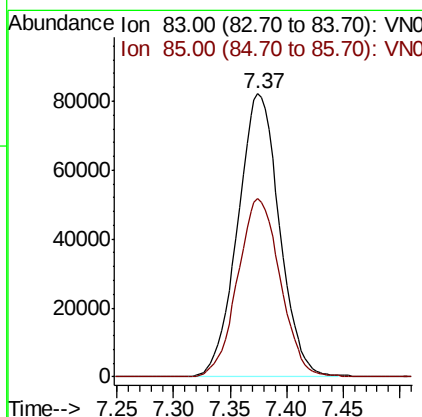
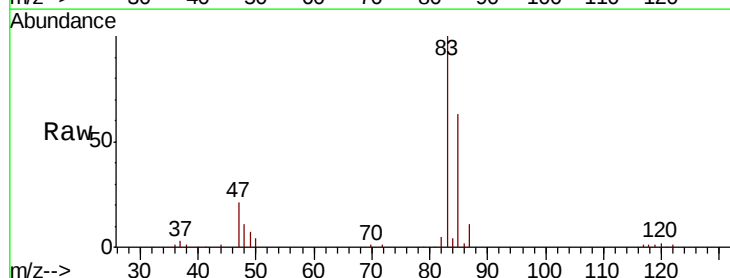
Manual Integrations
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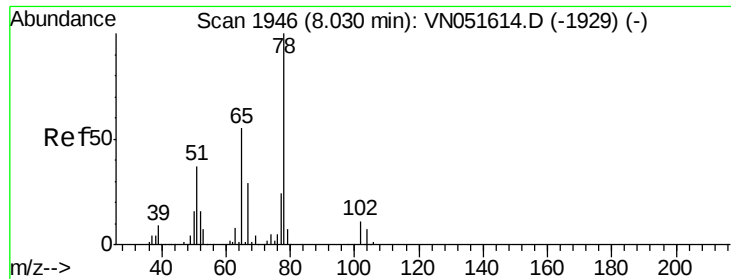
MMDadoda
10/3/2018 5:27:46 PM



#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

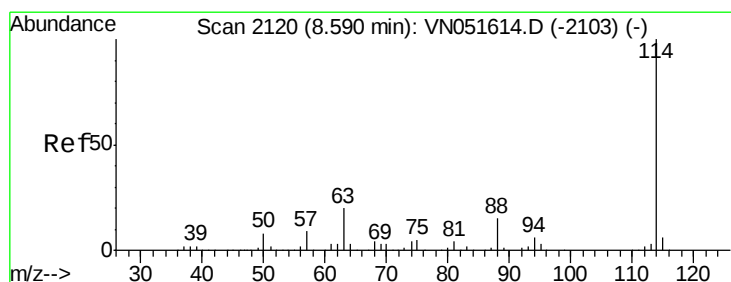
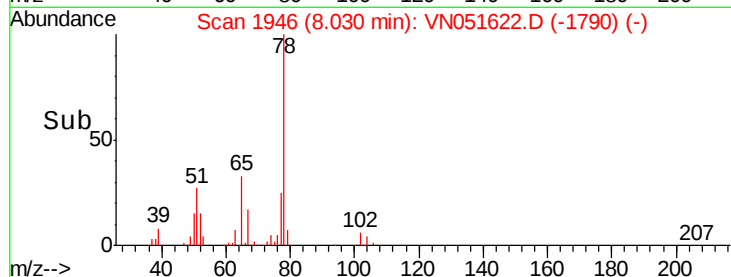
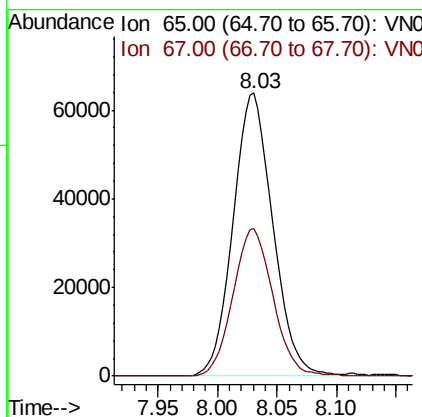
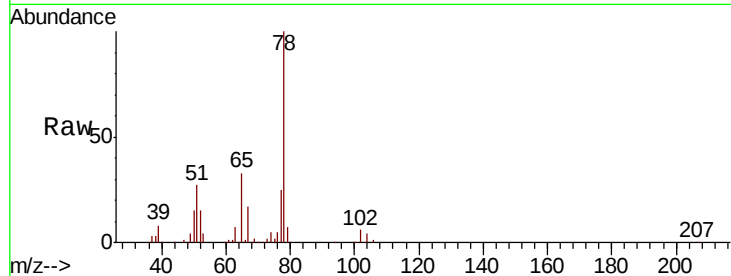
67 52.4 43.1 64.7

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#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

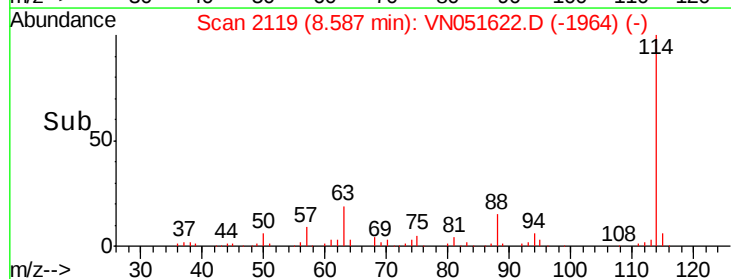
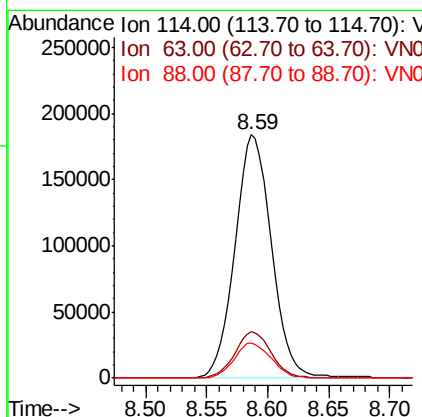
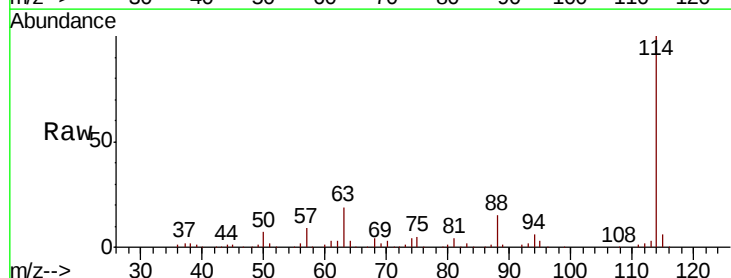
Tgt Ion: 114 Resp: 381039

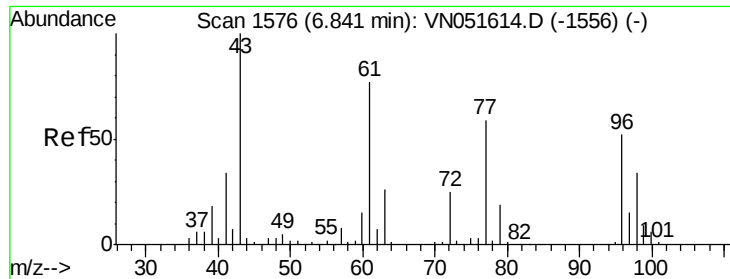
Ion Ratio Lower Upper

114 100

63 19.0 16.4 24.6

88 14.7 12.6 18.8





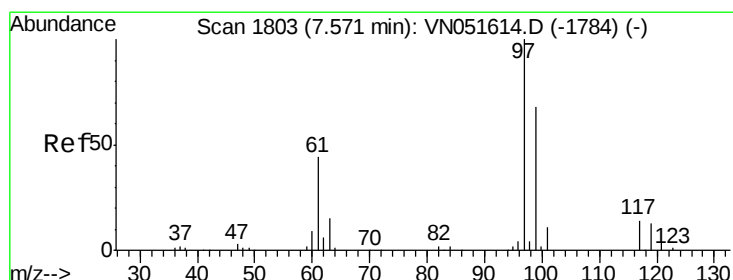
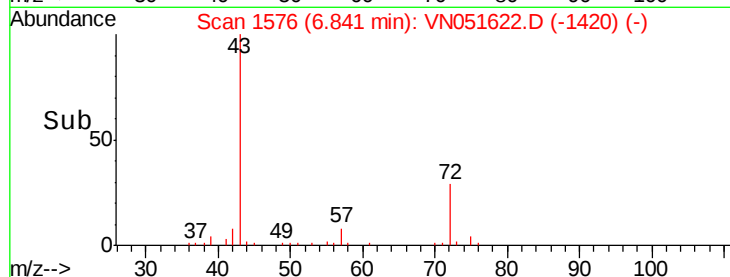
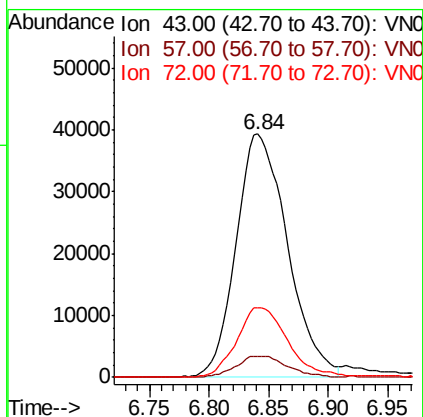
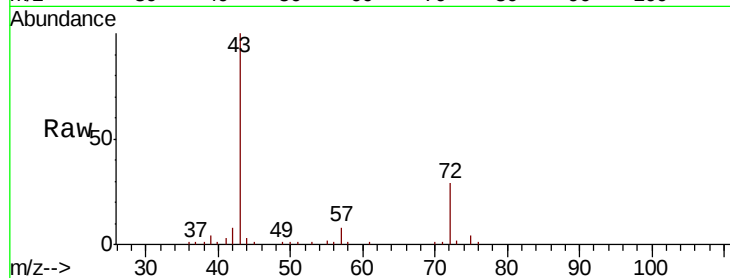
#30
2-Butanone
Concen: 66.166 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

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

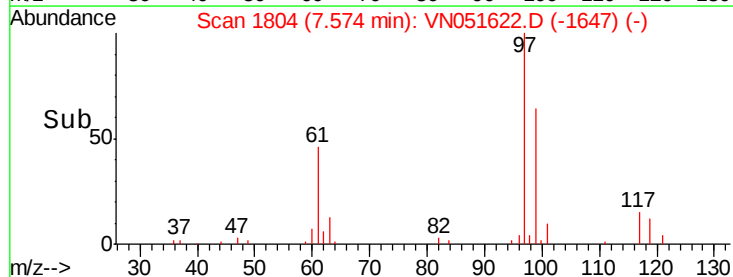
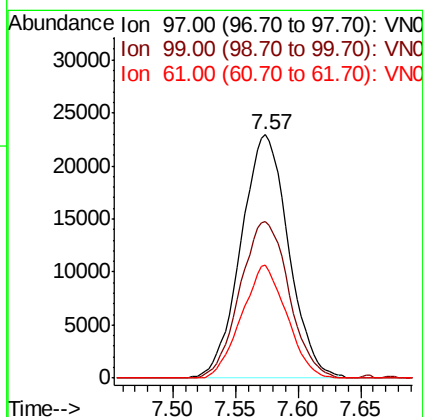
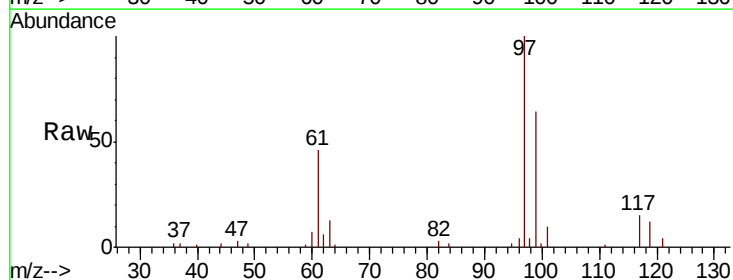
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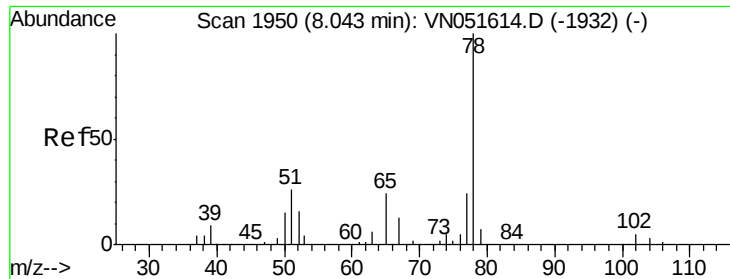
MMDadoda
10/3/2018 5:27:46 PM



#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	Ratio	Lower	Upper
97	100		
99	66.4	52.2	78.4
61	44.1	36.2	54.4





#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

Instrument :

MSVOA_N

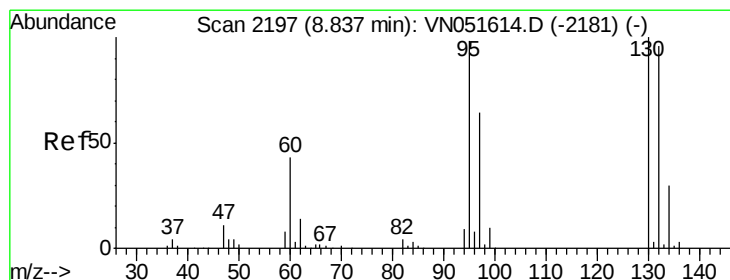
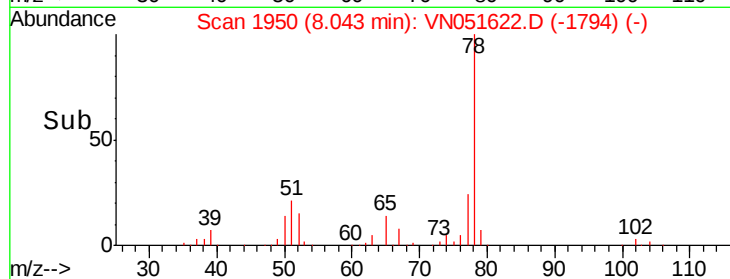
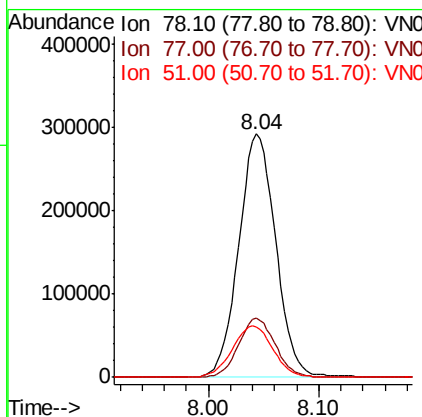
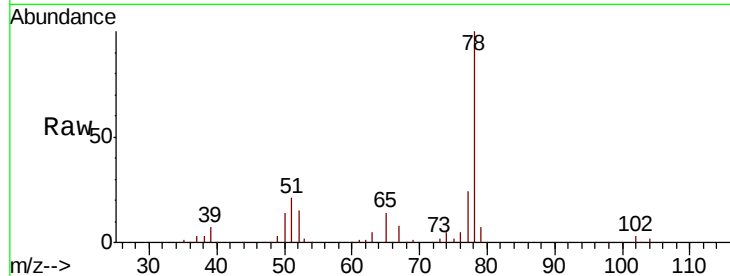
ClientSampleId :

PT-VOA-WPDL

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

Manual Integrations
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10/3/2018 5:27:46 PM



#37

Trichloroethene

Concen: 35.266 ug/l

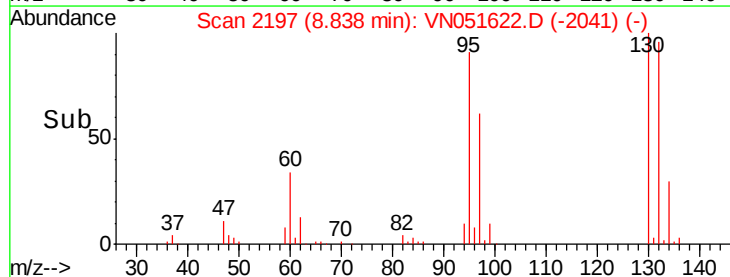
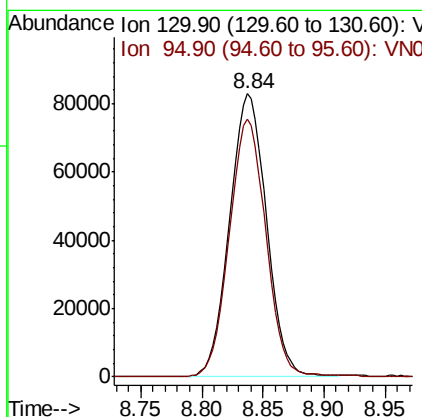
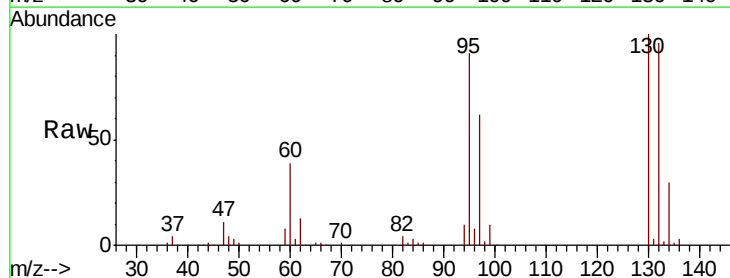
RT: 8.84 min Scan# 2197

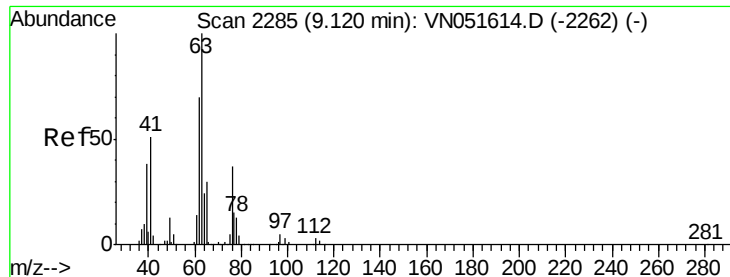
Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

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





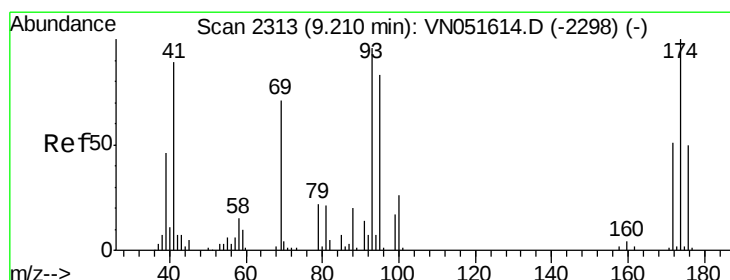
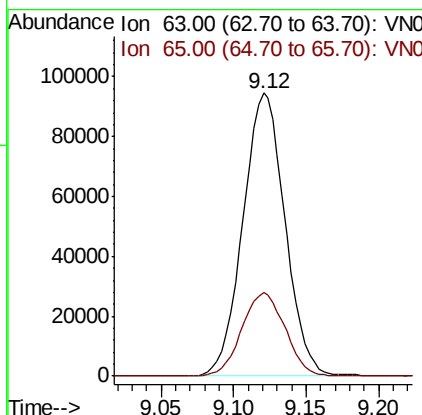
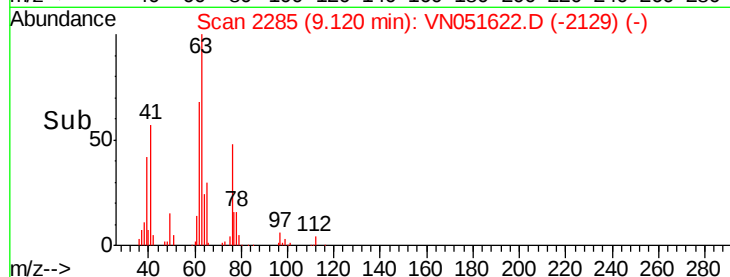
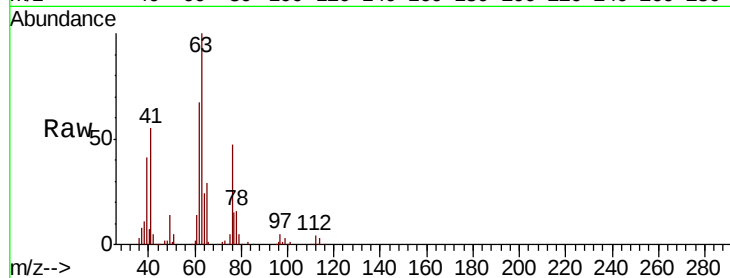
#39
 1,2-Dichloropropane
 Concen: 36.091 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.4	36.6

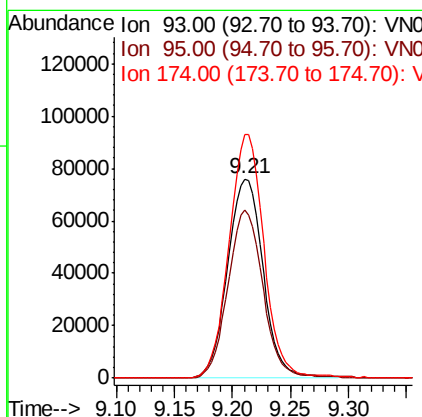
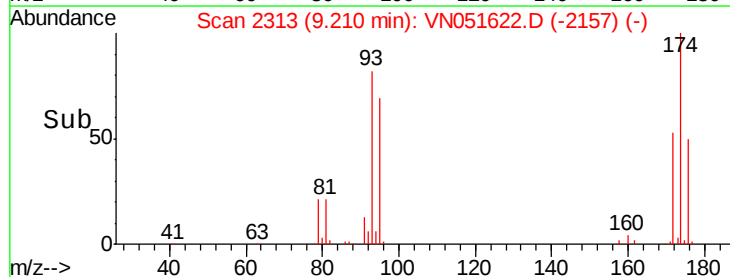
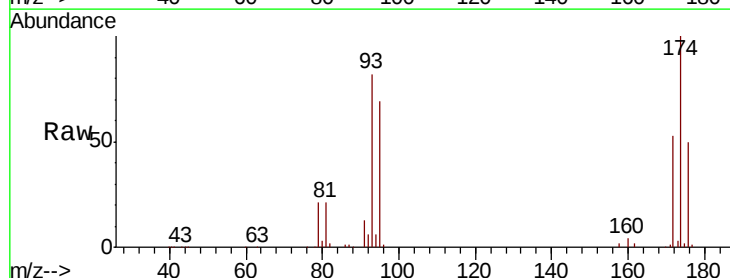
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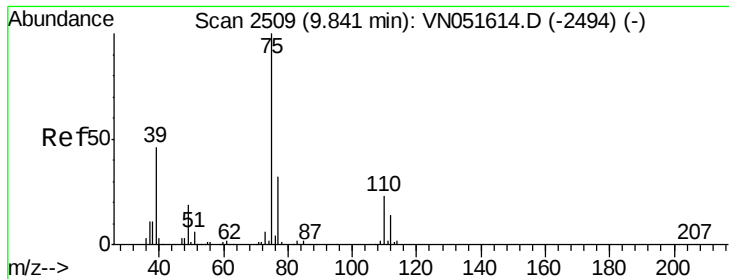
MMDadoda
 10/3/2018 5:27:46 PM



#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

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	171.0
174	120.0	0.0	212.0





#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

Instrument :

MSVOA_N

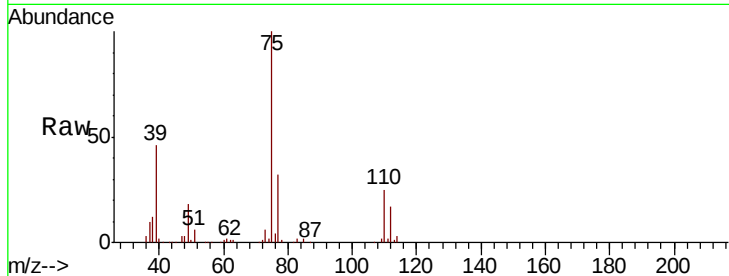
ClientSampleId :

PT-VOA-WPDL

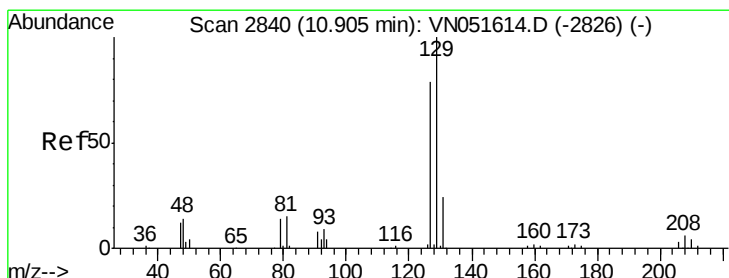
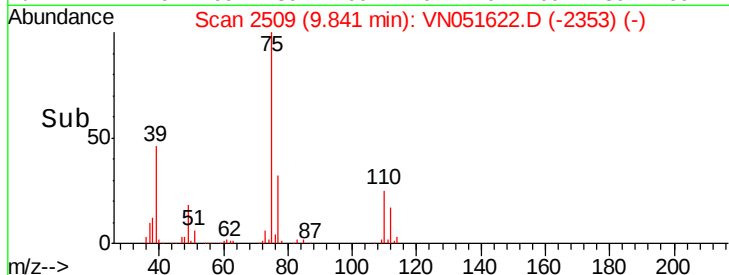
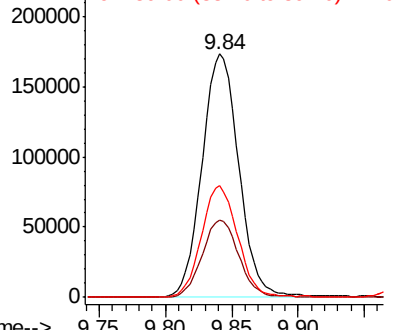
Tot Ion:	75	Resp:	334488
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.4	38.0
39	45.9	36.6	55.0

Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VN051614.D (-2494) (-)



#53

Dibromochloromethane

Concen: 35.853 ug/l

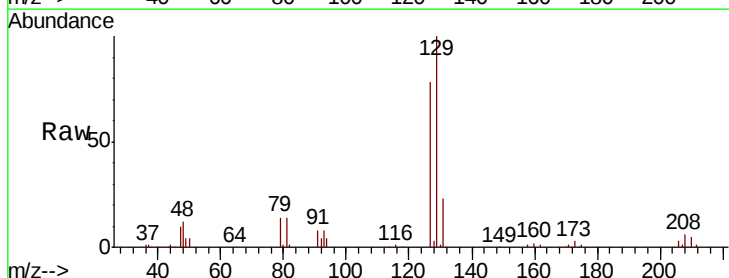
RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

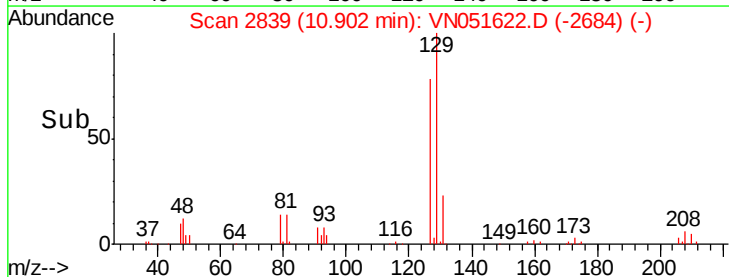
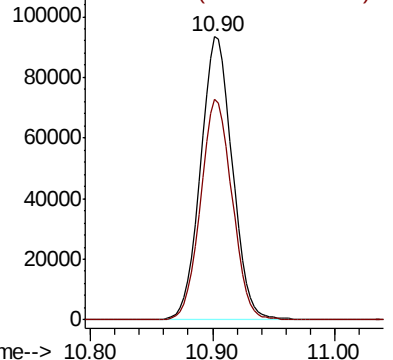
Lab File: VN051622.D

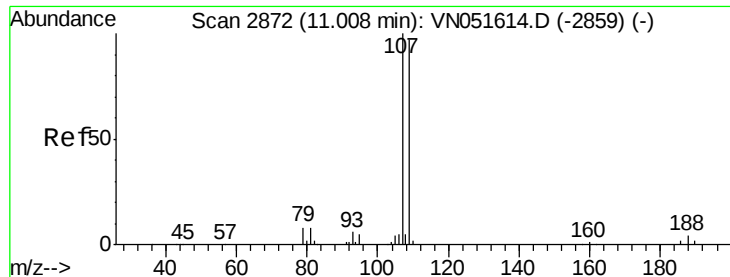
Acq: 28 Sep 2018 18:23

Tgt 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): VN051614.D (-2826) (-)





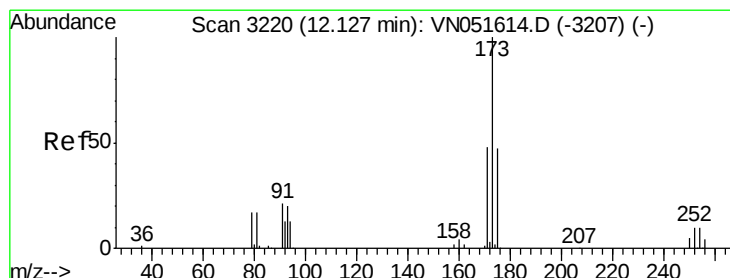
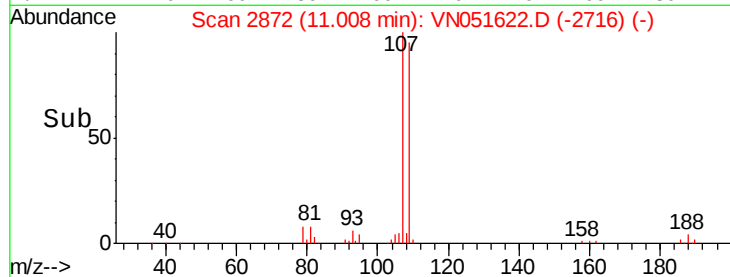
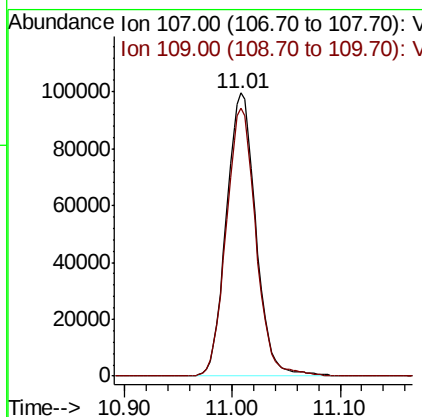
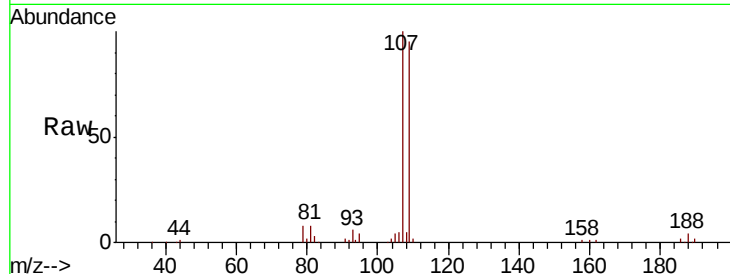
#54
 1,2-Dibromoethane
 Concen: 47.871 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WPDL

Tot Ion:107 Resp: 190468
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.5 114.7

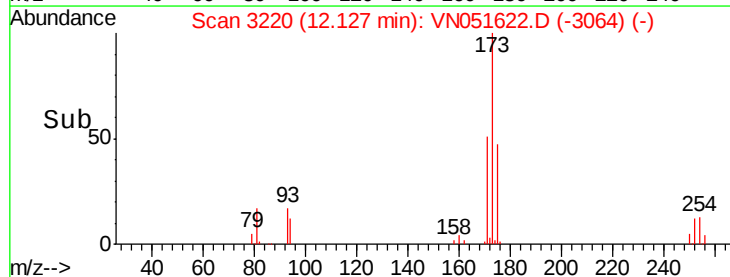
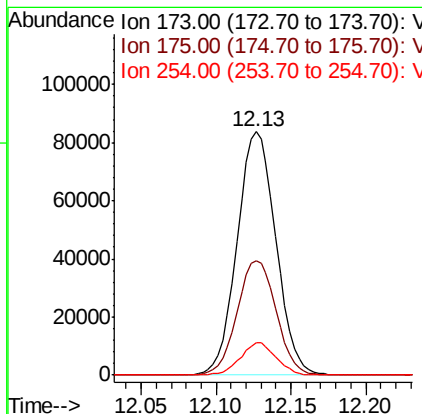
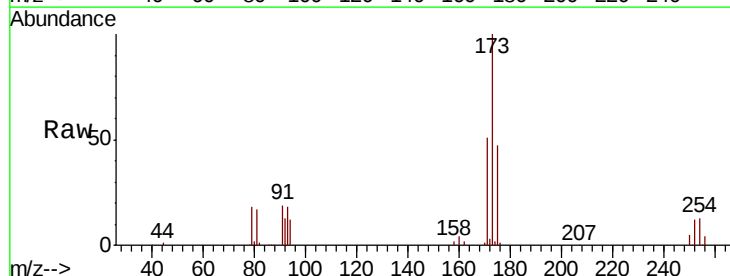
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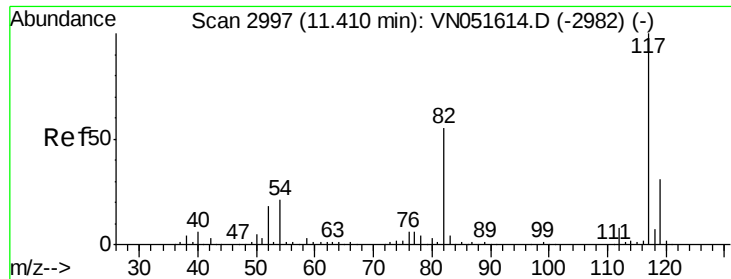
MMDadoda
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#56
 Bromoform
 Concen: 48.114 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

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





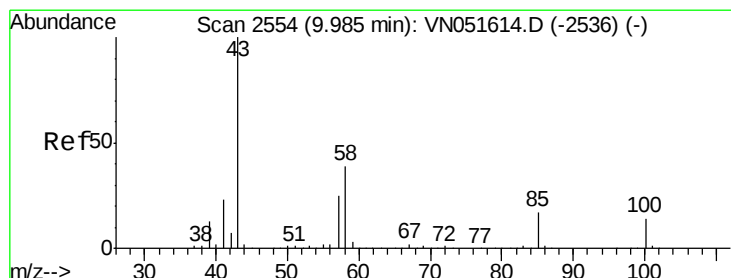
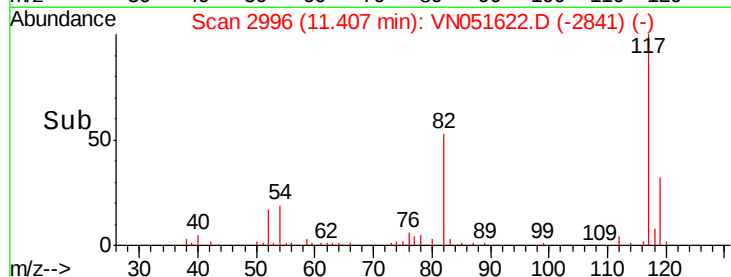
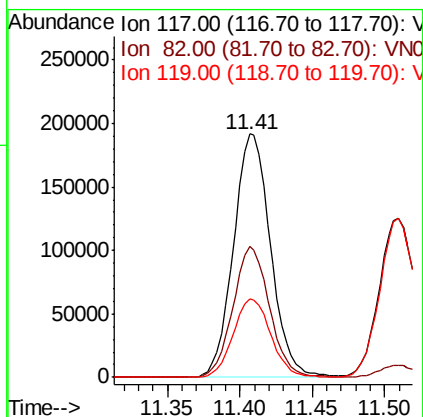
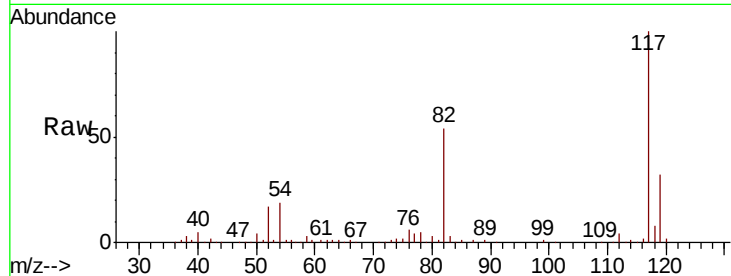
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.2	66.2
119	32.8	25.2	37.8

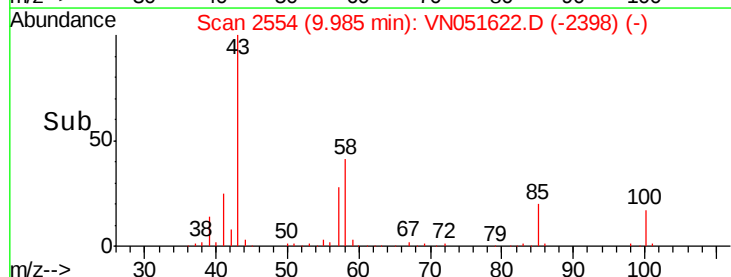
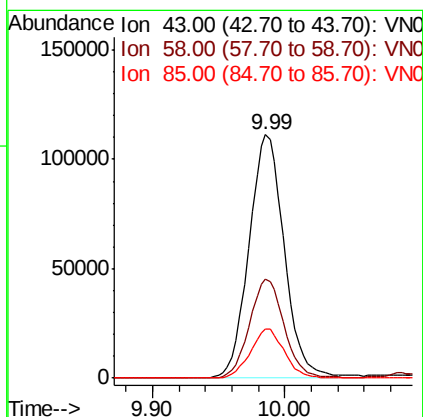
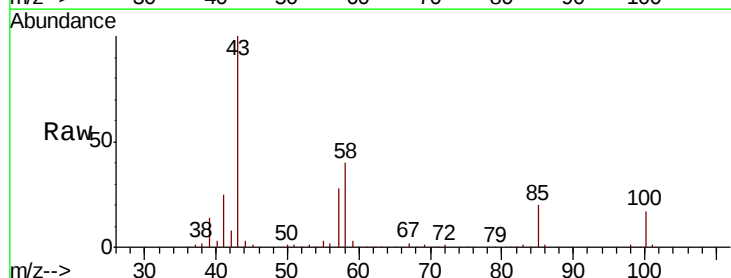
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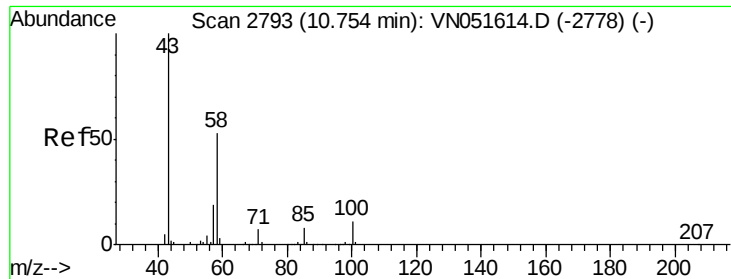
MMDadoda
10/3/2018 5:27:46 PM



#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

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





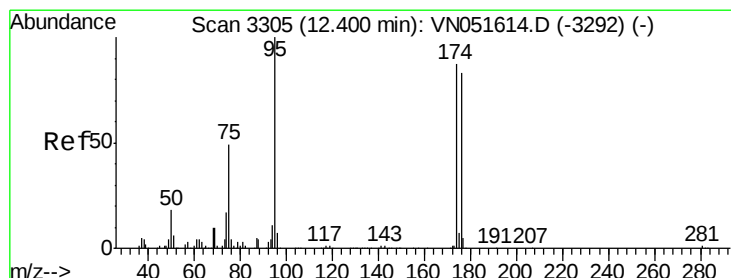
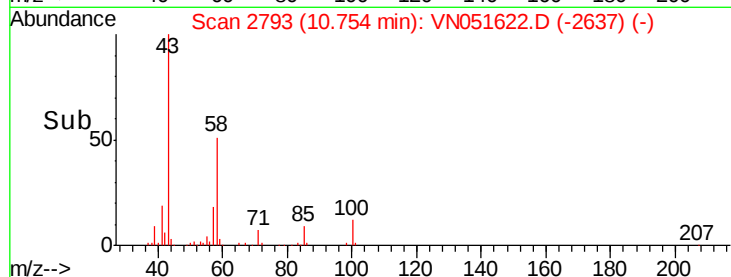
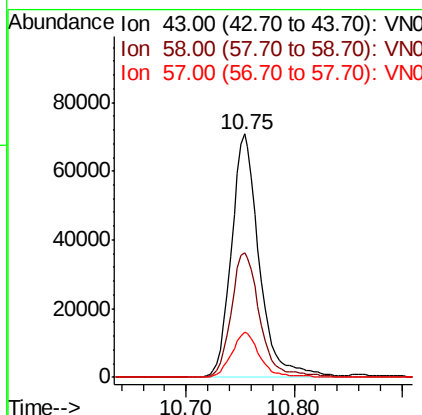
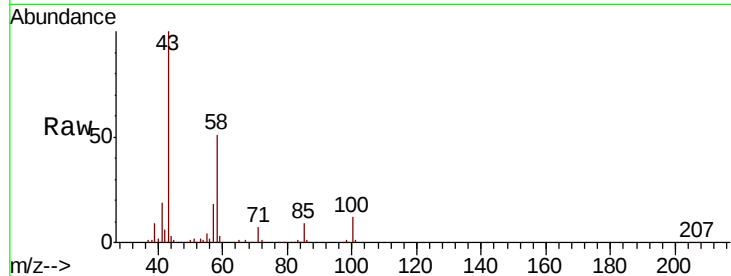
#59
2-Hexanone
Concen: 50.228 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

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

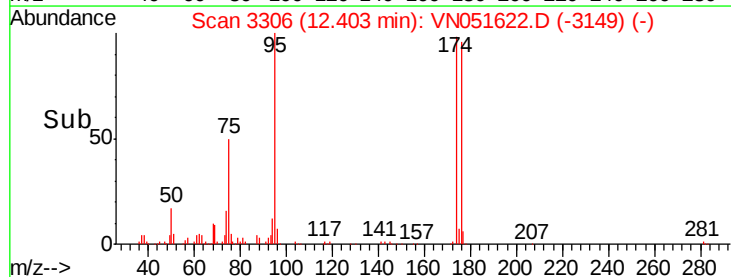
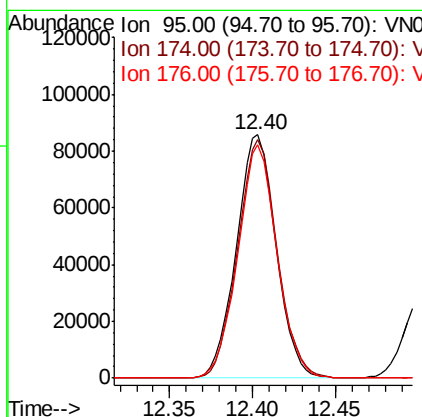
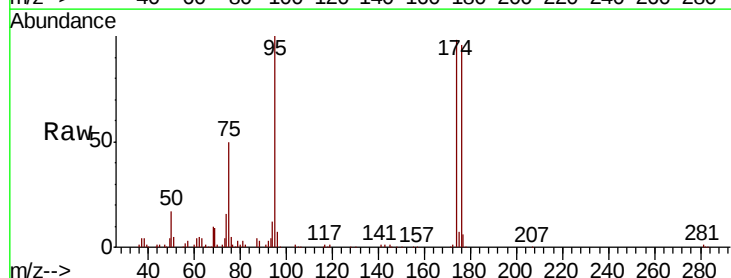
Manual Integrations
APPROVED

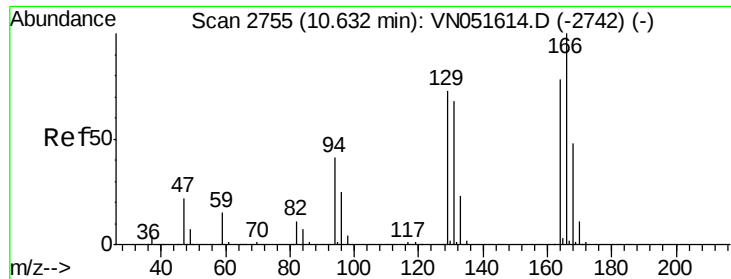
MMDadoda
10/3/2018 5:27:46 PM



#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

Tgt 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

Instrument :

MSVOA_N

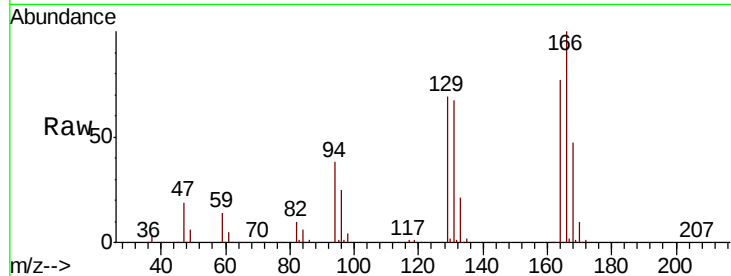
ClientSampled :

PT-VOA-WPDL

Tot 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

Manual Integrations
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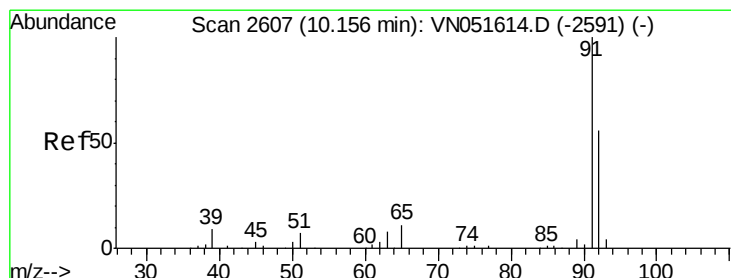
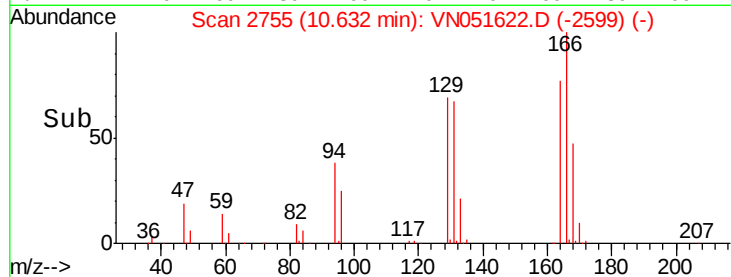
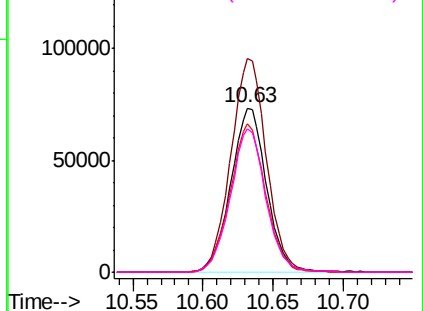
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 23.235 ug/l

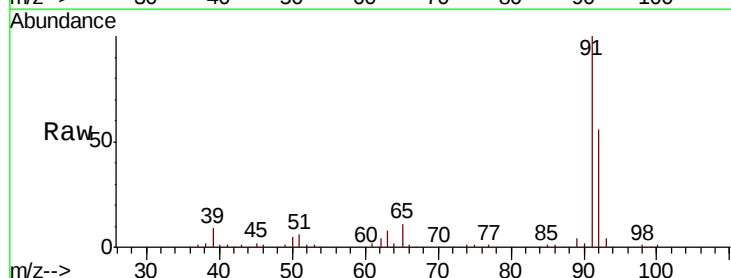
RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

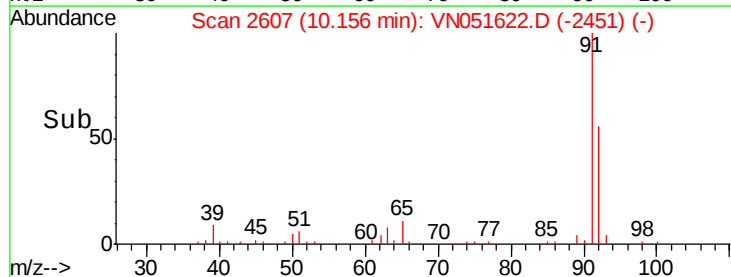
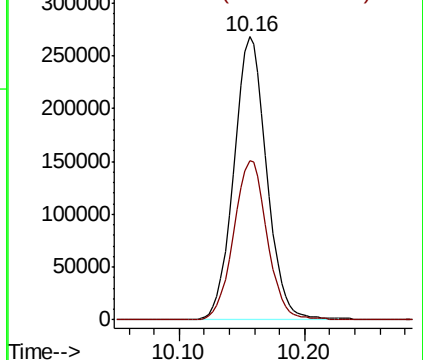
Tgt Ion:	91	Resp:	485552
Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.3	67.9

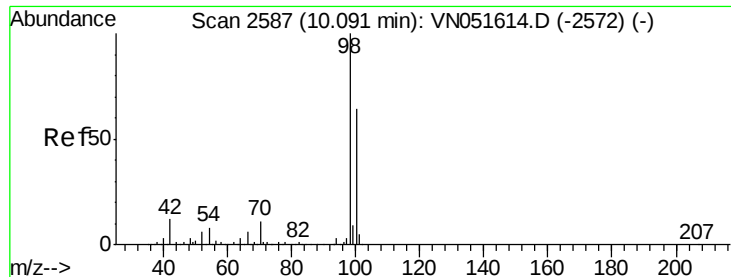


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





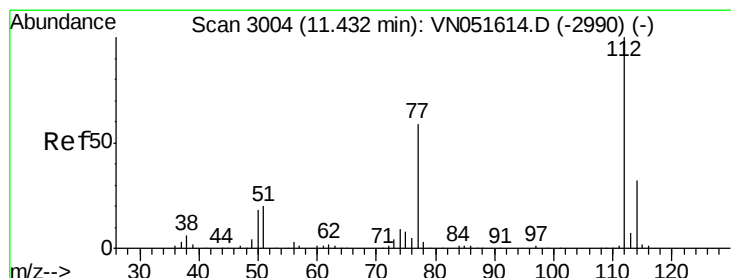
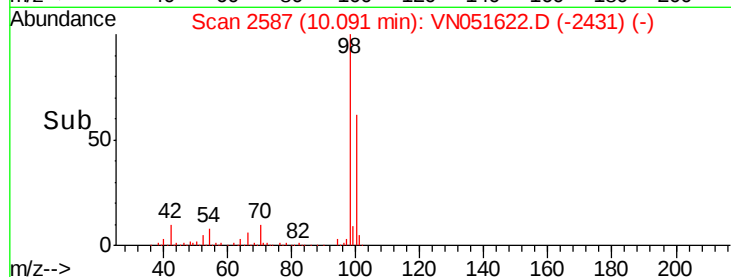
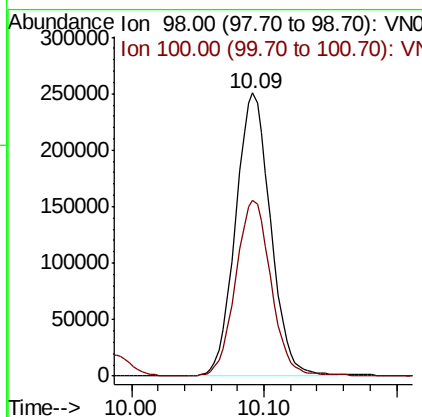
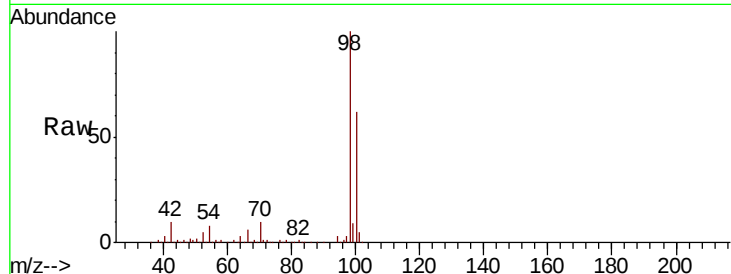
#63
Toluene-d8
Concen: 23.235 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tot Ion: 98 Resp: 460272
Ion Ratio Lower Upper
98 100
100 63.0 51.4 77.0

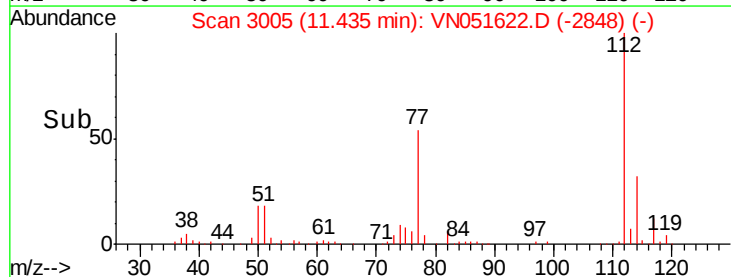
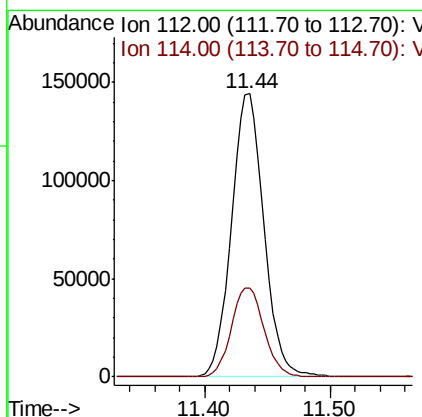
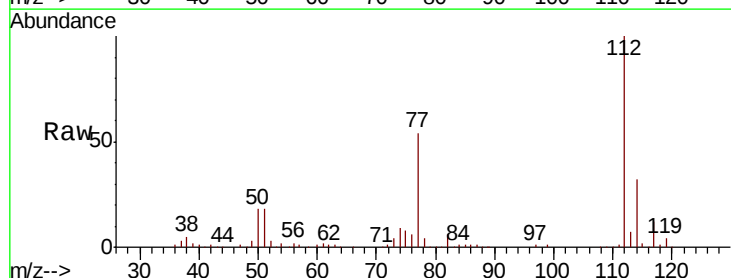
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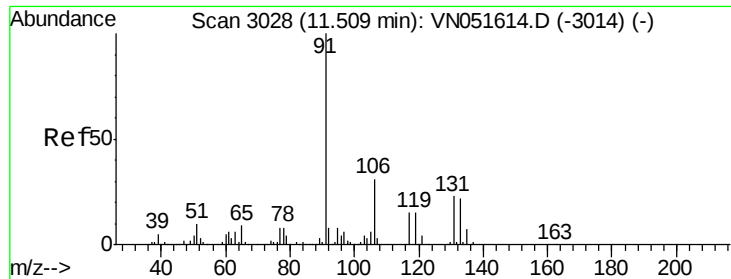
MMDadoda
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#64
Chlorobenzene
Concen: 20.507 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt 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

Instrument :

MSVOA_N

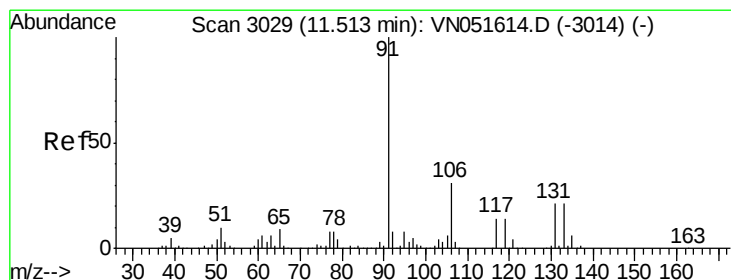
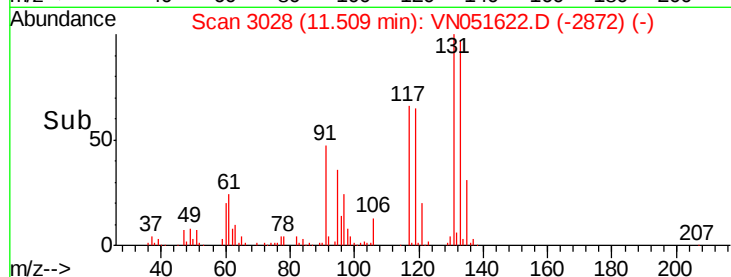
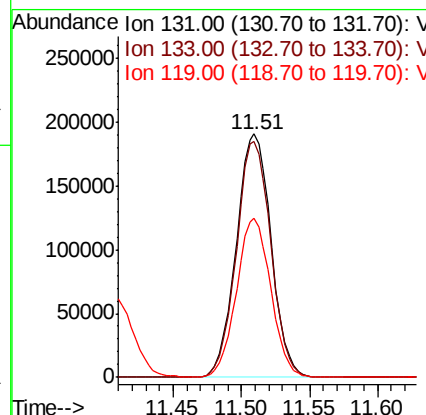
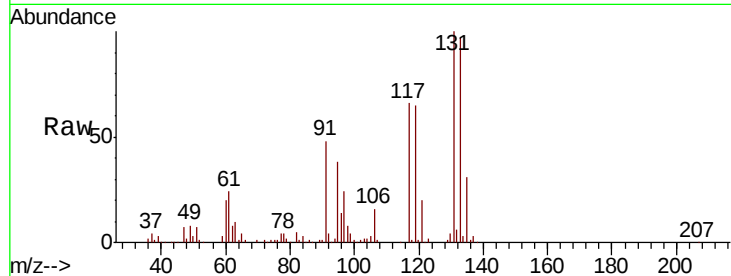
ClientSampled :

PT-VOA-WPDL

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

Manual Integrations
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#66

Ethyl Benzene

Concen: 7.458 ug/l

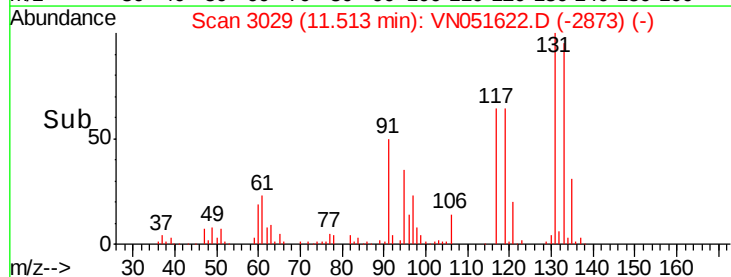
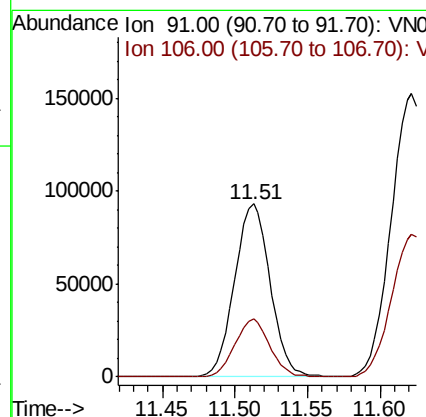
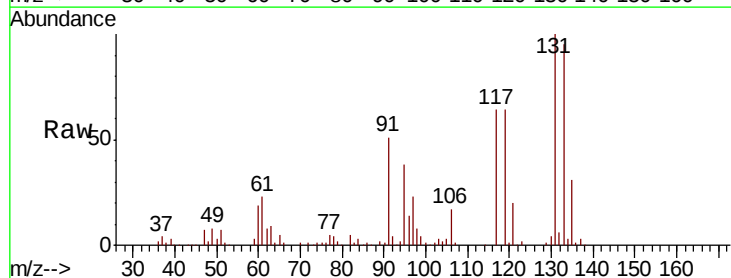
RT: 11.51 min Scan# 3029

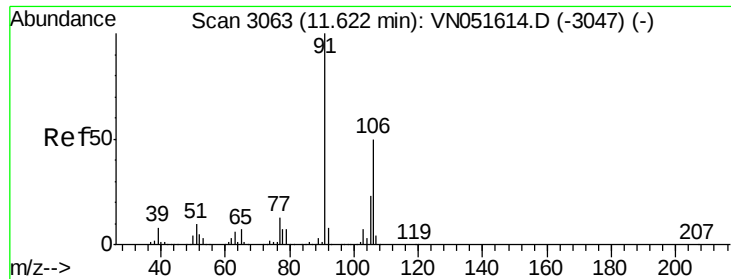
Delta R.T. 0.00 min

Lab File: VN051622.D

Acq: 28 Sep 2018 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		159513		
106	33.2	25.0	37.4		





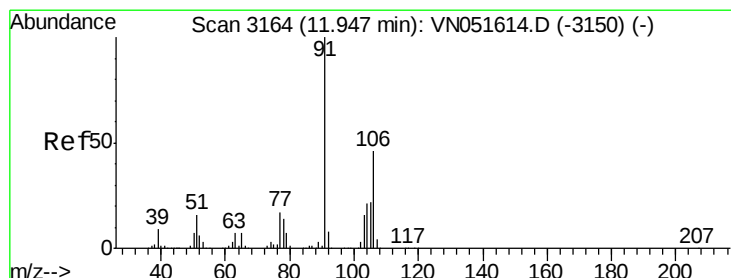
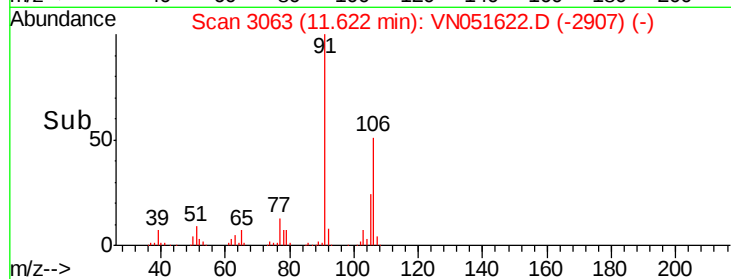
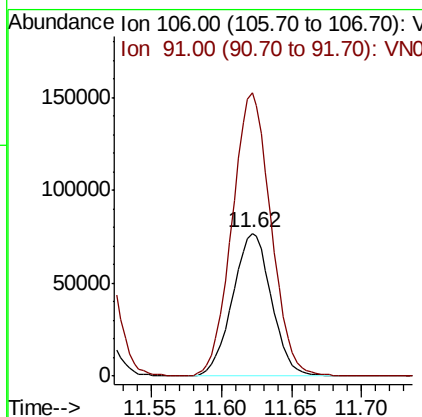
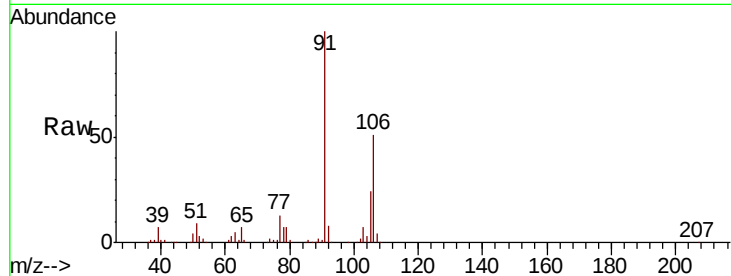
#67
m/p-Xvlenes
Concen: 18.044 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		148736		
91	198.1	161.5	242.3		

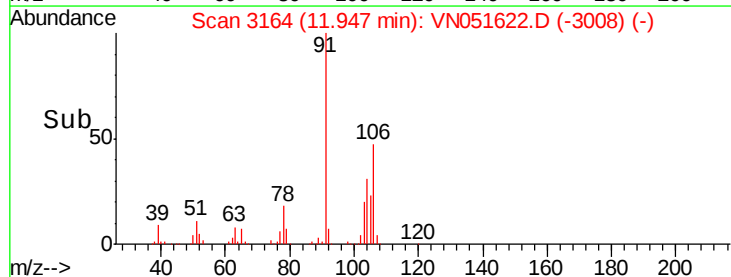
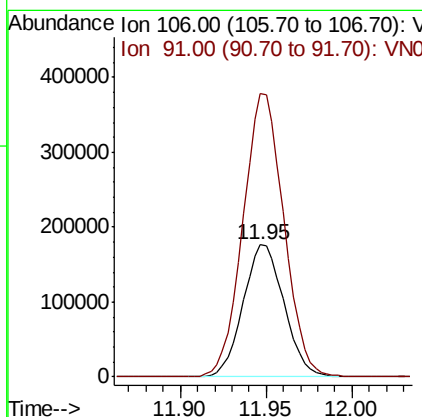
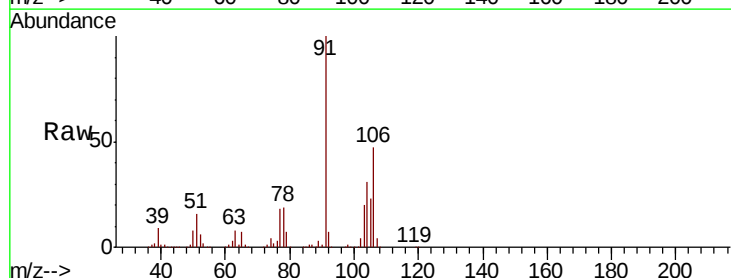
Manual Integrations
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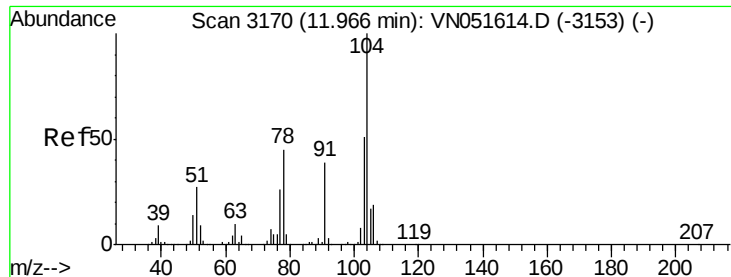
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#68
o-Xylene
Concen: 37.039 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

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





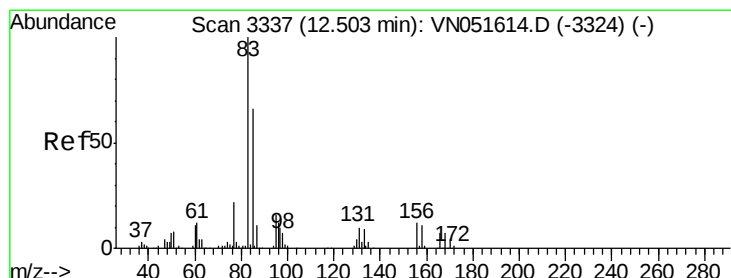
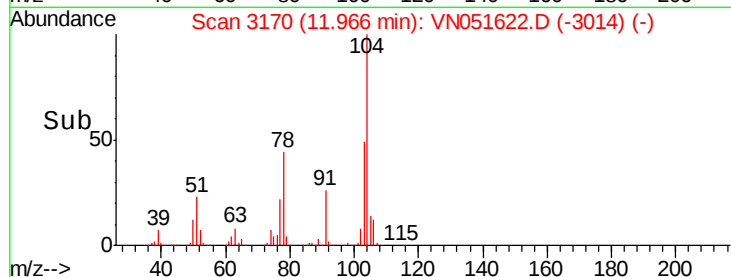
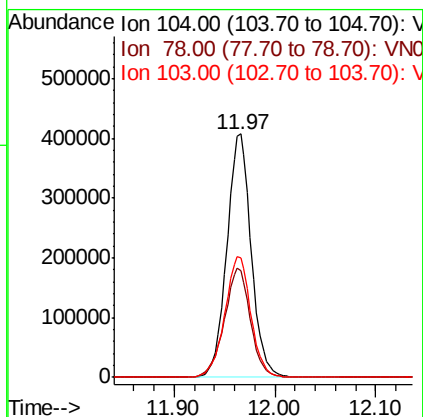
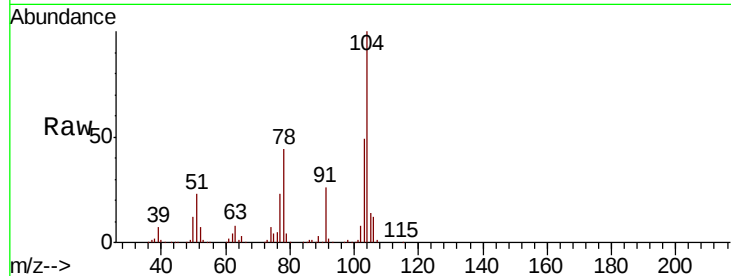
#69
Stvrene
Concen: 55.478 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WPDL

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

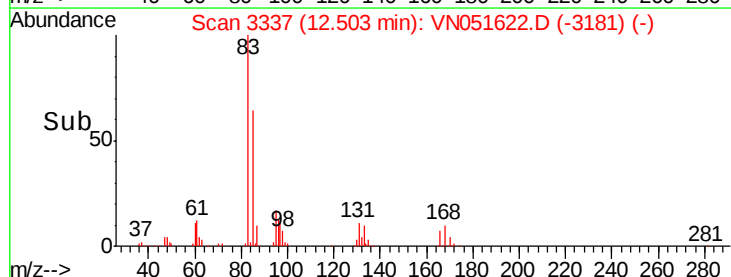
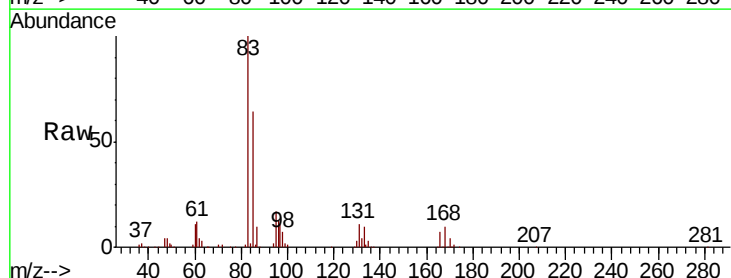
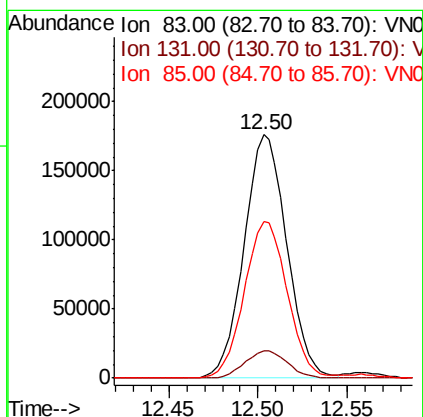
Manual Integrations
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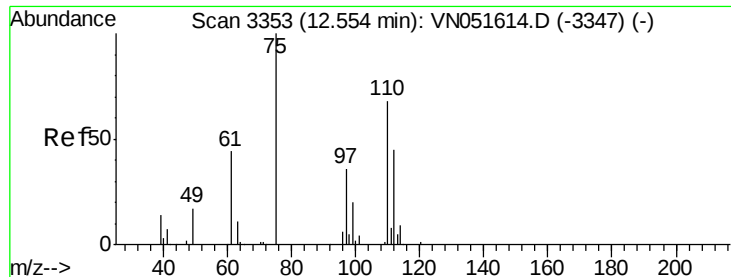
MMDadoda
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#71
1,1,2,2-Tetrachloroethane
Concen: 58.167 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	295379		
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

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tot Ion: 75 Resp: 252827

Ion Ratio Lower Upper

75 100

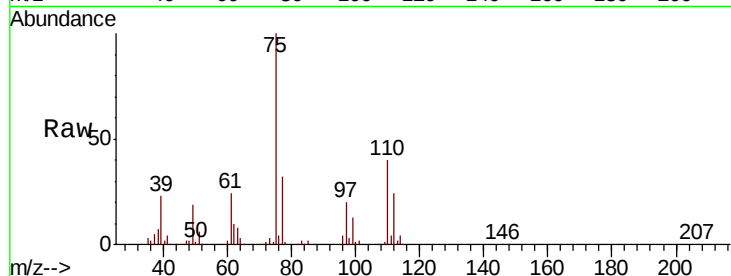
77 32.9 0.0 492.2

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VN051614.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051614.D (-3347) (-)

12.55

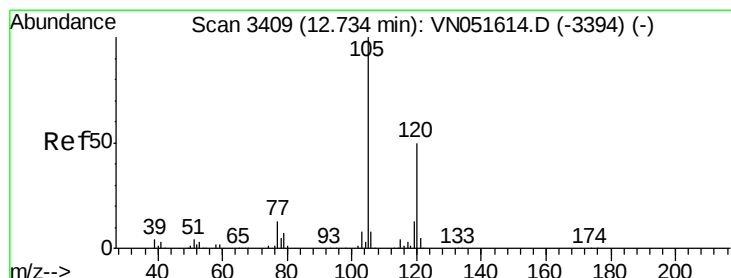
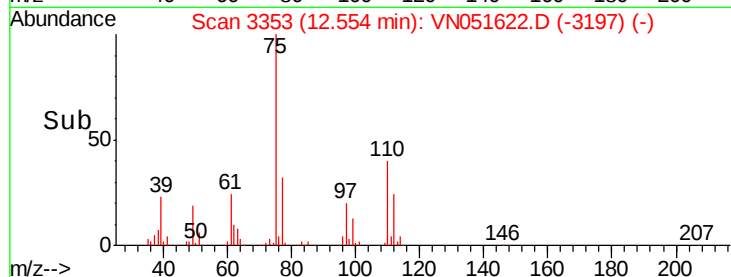
150000

100000

50000

0

Time--> 12.45 12.50 12.55 12.60



#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

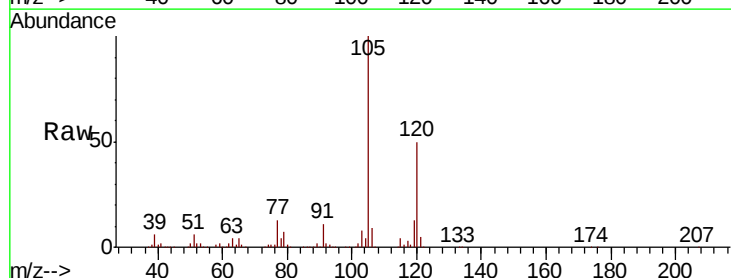
Acq: 28 Sep 2018 18:23

Tgt Ion: 105 Resp: 423405

Ion Ratio Lower Upper

105 100

120 50.1 0.0 99.8



Abundance Ion 105.00 (104.70 to 105.70): VN051614.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN051614.D (-3394) (-)

12.73

300000

250000

200000

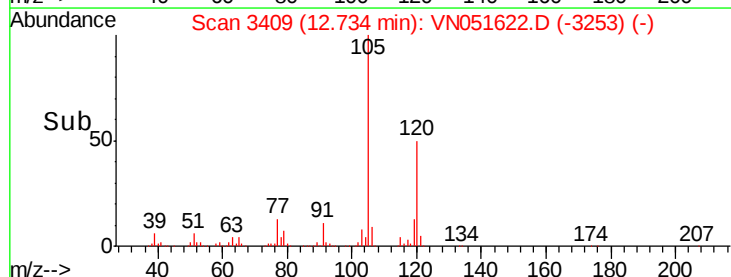
150000

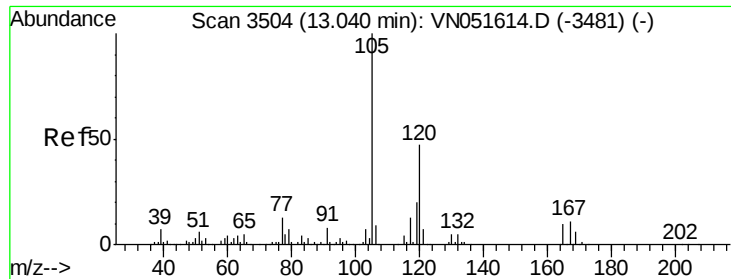
100000

50000

0

Time--> 12.70 12.75 12.80





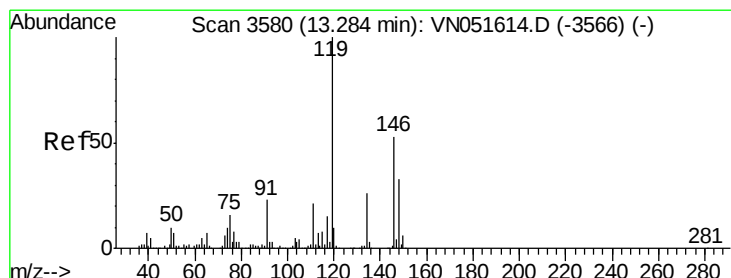
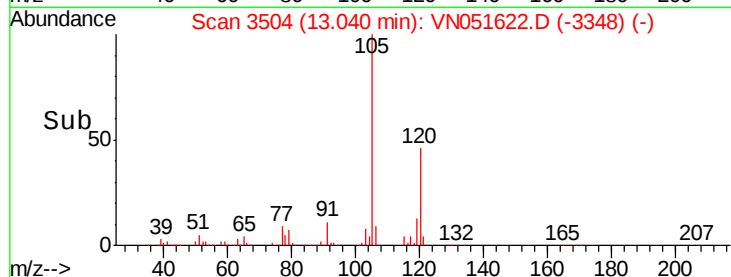
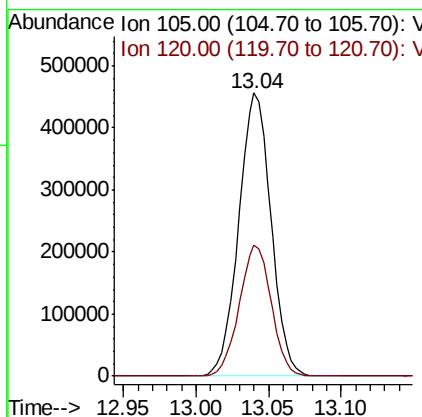
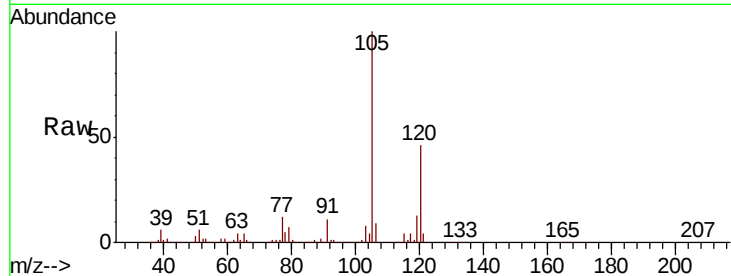
#80
 1,2,4-Trimethylbenzene
 Concen: 40.257 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WPDL

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

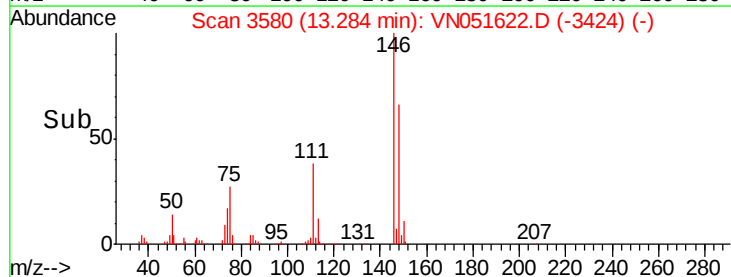
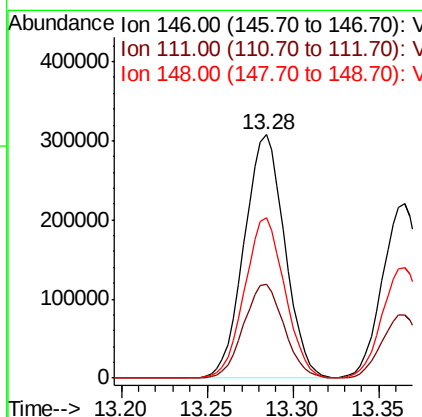
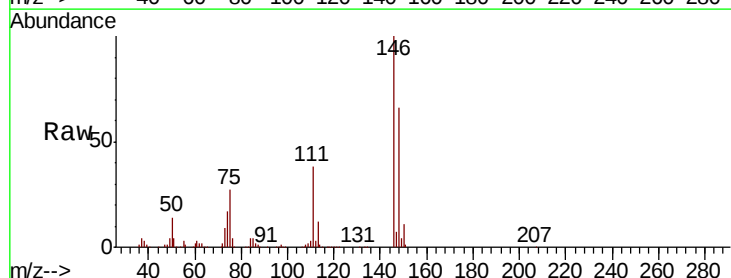
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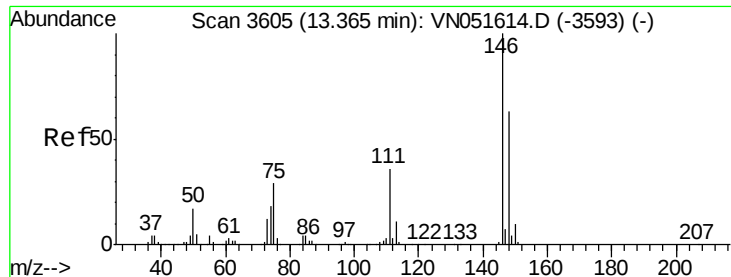
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#83
 1,3-Dichlorobenzene
 Concen: 55.398 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	504219		
111	38.4	19.9	59.6	
148	65.3	32.4	97.2	





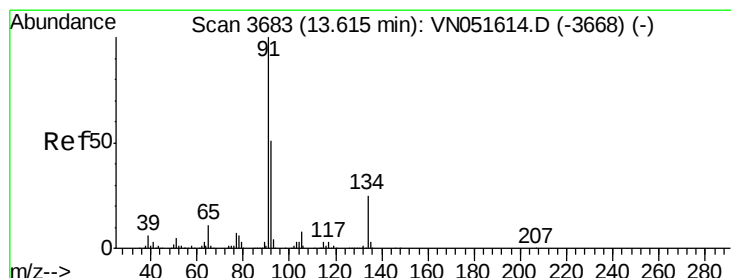
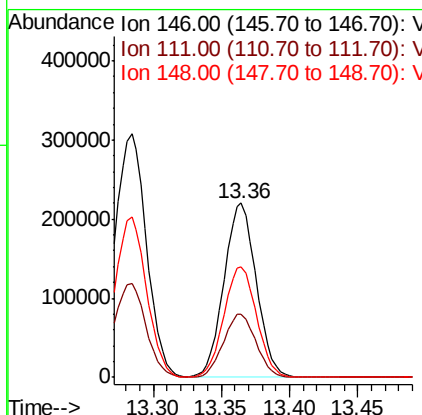
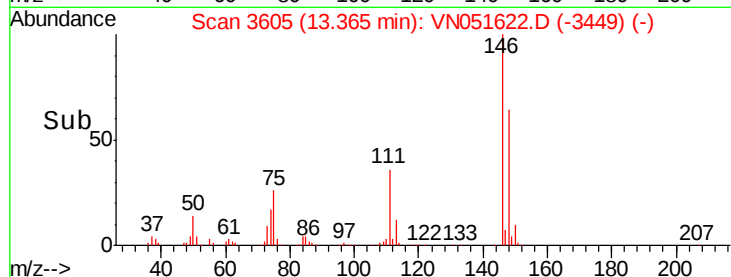
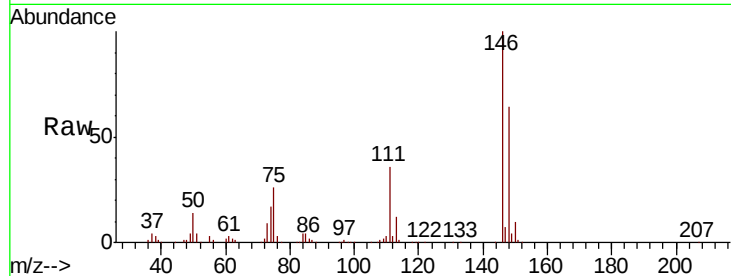
#84
 1,4-Dichlorobenzene
 Concen: 42.392 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WPDL

Tot Ion:	146	Resp:	362691
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.6	55.8
148	64.3	32.1	96.5

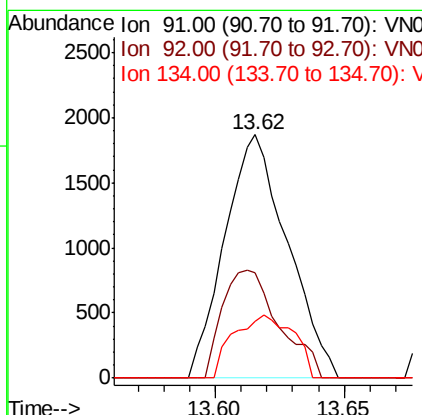
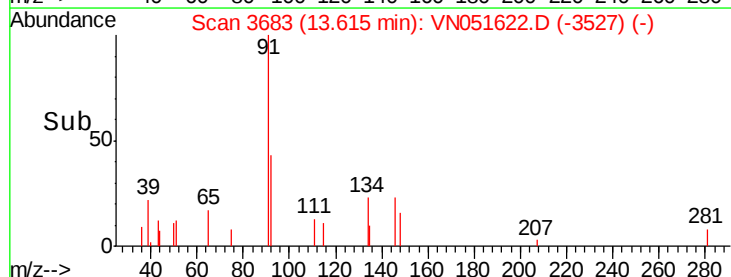
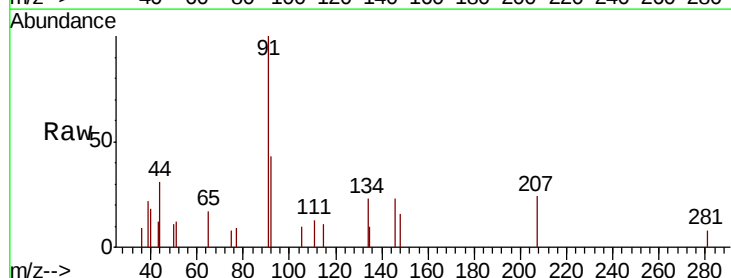
Manual Integrations
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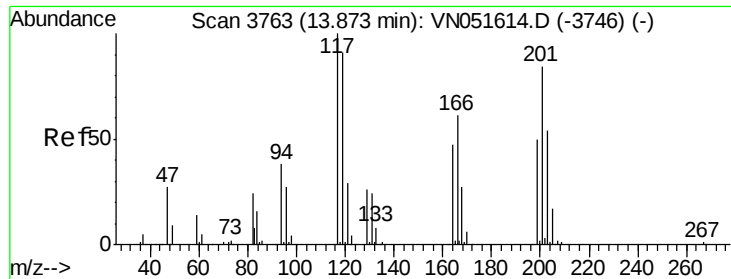
MMDadoda
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#85
 n-Butylbenzene
 Concen: 0.215 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051622.D
 Acq: 28 Sep 2018 18:23

Tgt 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

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tot Ion:117 Resp: 3211

Ion Ratio Lower Upper

117 100

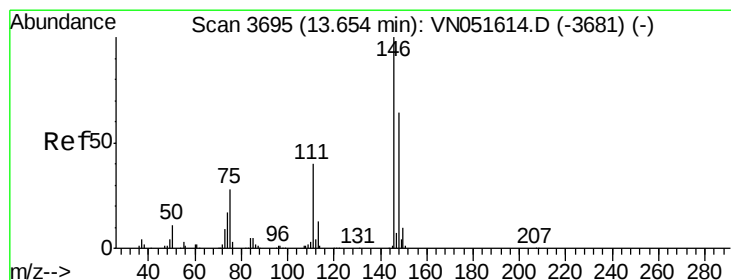
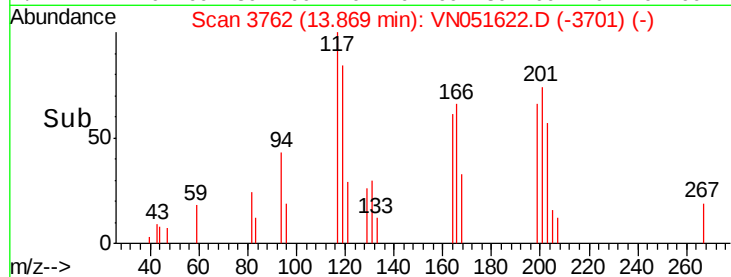
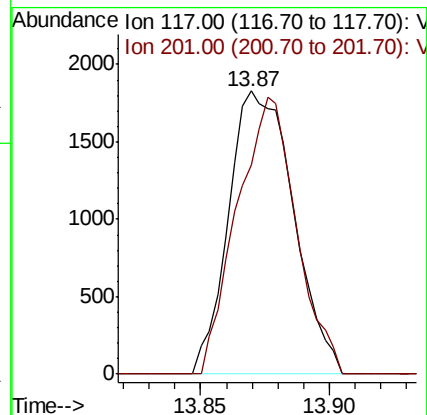
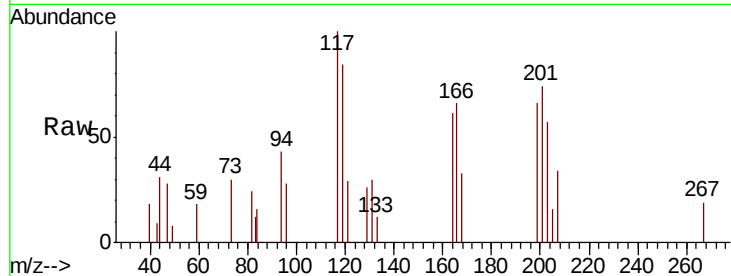
201 89.2 42.9 128.5

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#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

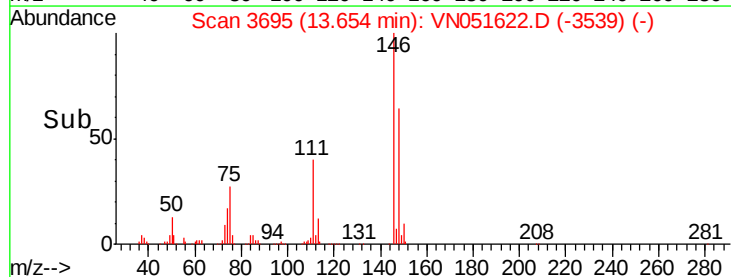
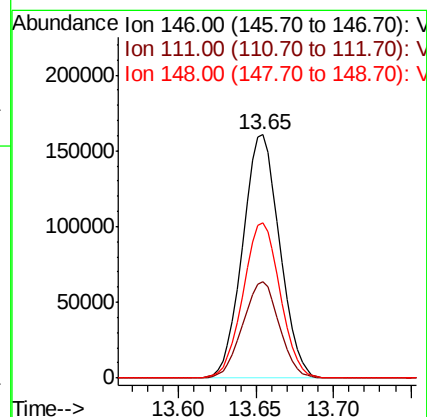
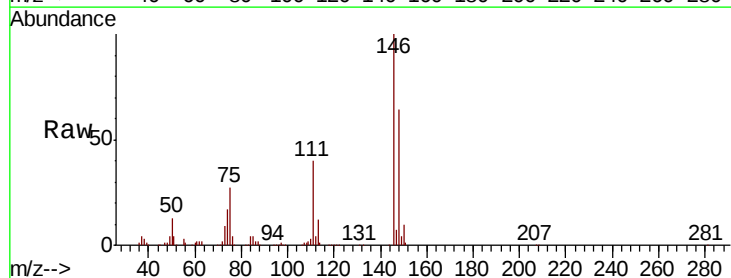
Tgt Ion:146 Resp: 267647

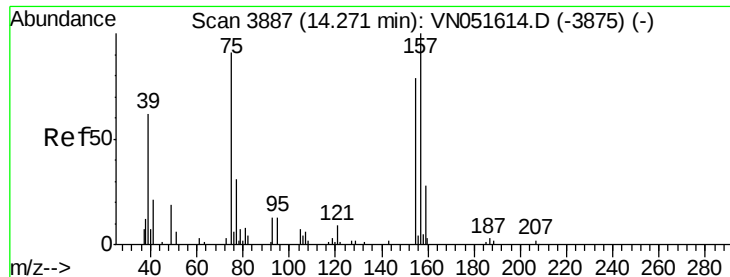
Ion Ratio Lower Upper

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

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WPDL

Tot Ion: 75 Resp: 27844

Ion Ratio Lower Upper

75 100

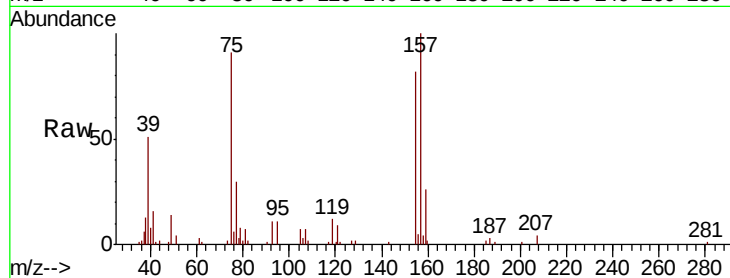
155 91.1 67.1 100.7

157 113.4 85.8 128.6

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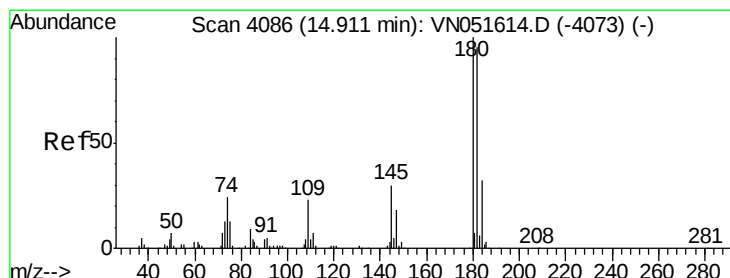
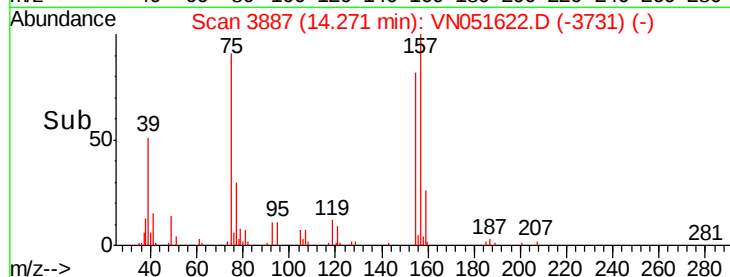
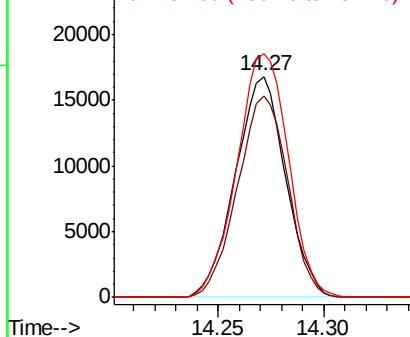


Abundance

Ion 75.00 (74.70 to 75.70): VN051614.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN051614.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN051614.D (-3875) (-)



#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

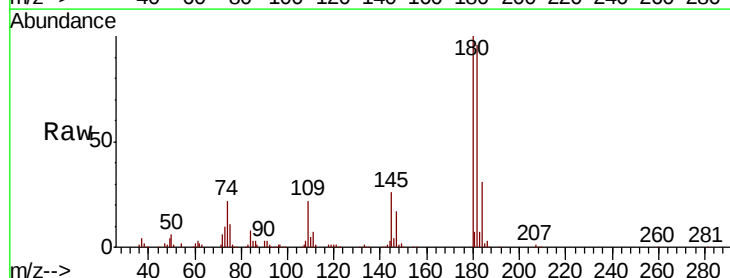
Tgt Ion: 180 Resp: 258823

Ion Ratio Lower Upper

180 100

182 96.9 75.2 112.8

145 26.9 22.9 34.3

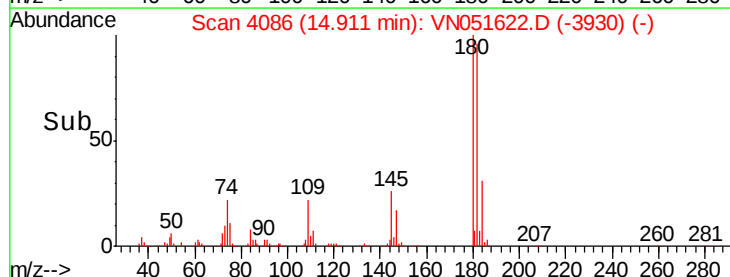
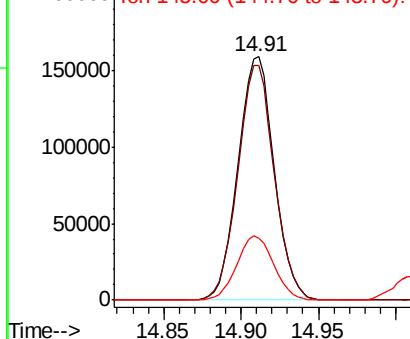


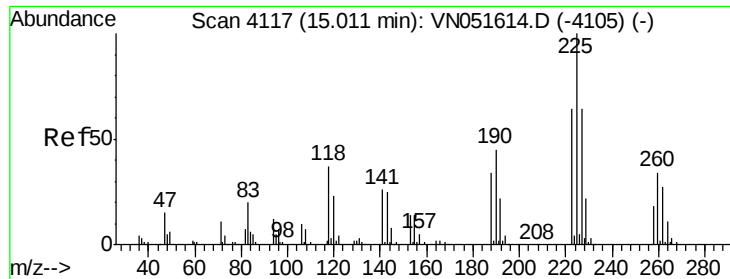
Abundance

Ion 180.00 (179.70 to 180.70): VN051614.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051614.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051614.D (-4073) (-)





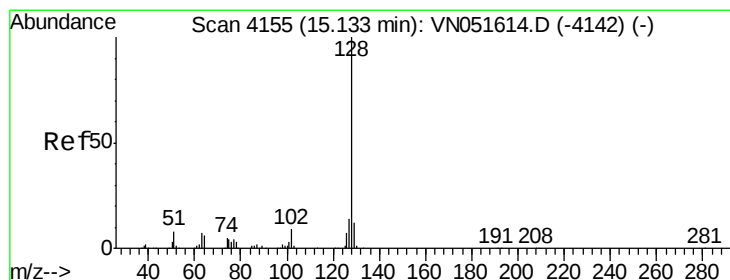
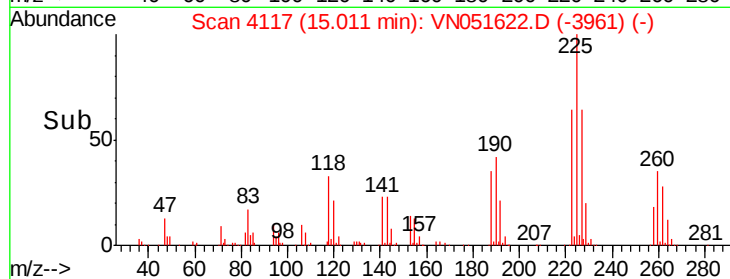
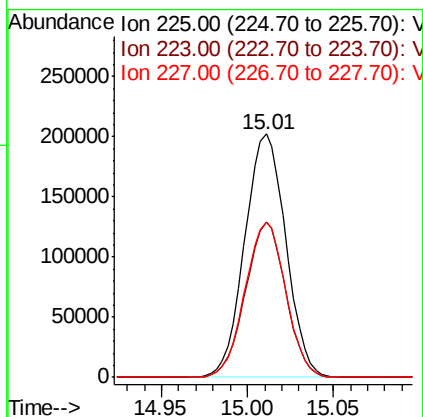
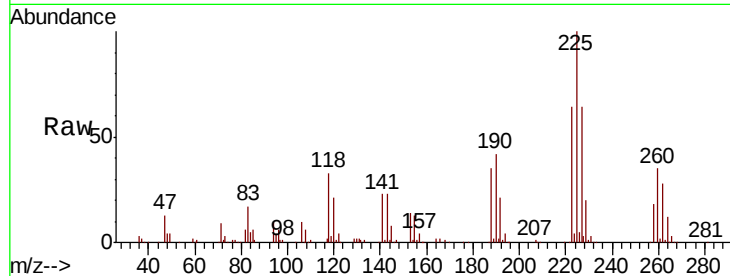
#90
Hexachlorobutadiene
Concen: 98.943 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WPDL

Tot Ion	Ratio	Resp	Lower	Upper
225	100	336155		
223	62.3	0.0	131.0	
227	63.1	0.0	129.0	

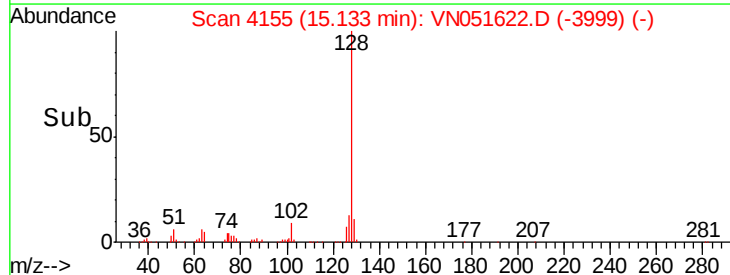
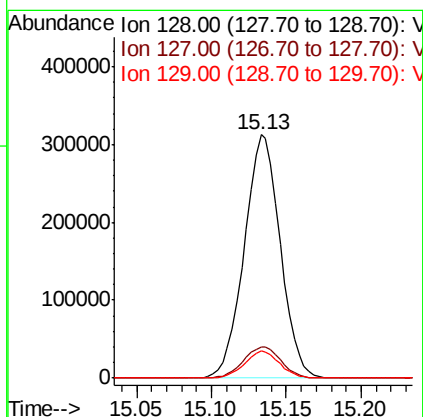
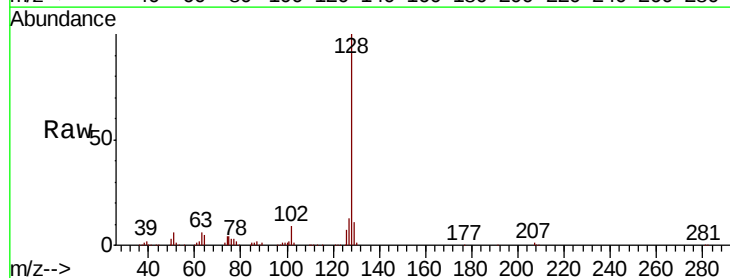
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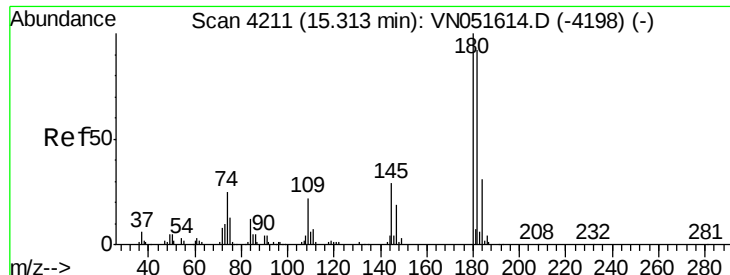
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#91
Naphthalene
Concen: 50.937 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051622.D
Acq: 28 Sep 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	522454		
127	13.3	10.8	16.2	
129	10.8	9.1	13.7	





#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

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.7	0.0	191.8
145	30.2	0.0	60.4

Manual Integrations
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