

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051079.D
 Acq On : 10 Sep 2018 15:45
 Operator : MD\SY
 Sample : VN0910WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:47 AM

Quant Time: Sep 11 03:49:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	968786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	377007	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	7.59	113	366552	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.09	98	1385773	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	447942	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	124328	19.12	ug/l	97
3) Chloromethane	2.06	50	171565	20.11	ug/l	98
4) Vinyl Chloride	2.18	62	172136	19.29	ug/l	99
5) Bromomethane	2.56	94	98009	18.85	ug/l	99
6) Chloroethane	2.70	64	103722	18.83	ug/l	99
7) Trichlorofluoromethane	3.01	101	228937	19.36	ug/l	98
8) Diethyl Ether	3.41	74	88134	20.26	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	146274	19.19	ug/l	99
10) Methyl Iodide	3.95	142	115384	19.99	ug/l	99
11) Tert butyl alcohol	4.80	59	53760	93.80	ug/l	98
12) 1,1-Dichloroethene	3.73	96	135982	18.91	ug/l	98
13) Acrolein	3.61	56	70550	115.34	ug/l	97
14) Allyl chloride	4.32	41	208562	19.03	ug/l	100
15) Acrylonitrile	4.99	53	251393	98.99	ug/l	99
16) Acetone	3.82	43	184445	95.82	ug/l	99
17) Carbon Disulfide	4.05	76	407204	19.28	ug/l	100
18) Methyl Acetate	4.33	43	110081	18.32	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	374282	19.69	ug/l	99
20) Methylene Chloride	4.55	84	157992	19.06	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	148352	19.02	ug/l	96
22) Diisopropyl ether	5.95	45	449300	20.66	ug/l	99
23) Vinyl Acetate	5.90	43	1476539	100.31	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269142	19.50	ug/l	99
25) 2-Butanone	6.84	43	272608	92.41	ug/l	98
26) 2,2-Dichloropropane	6.83	77	209149	18.52	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	166182	19.42	ug/l	99
28) Bromochloromethane	7.20	49	115193	18.75	ug/l	100
29) Tetrahydrofuran	7.21	42	188939	102.56	ug/l	98
30) Chloroform	7.37	83	267178	19.46	ug/l	97
31) Cyclohexane	7.65	56	242566	19.57	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	230747	19.73	ug/l	100
36) 1,1-Dichloropropene	7.79	75	206557	19.42	ug/l	99
37) Ethyl Acetate	6.93	43	124933	20.28	ug/l	99
38) Carbon Tetrachloride	7.77	117	205723	19.65	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224612	19.14	ug/l	98
40) Benzene	8.04	78	637091	19.88	ug/l	99
41) Methacrylonitrile	7.19	41	72466m	22.80	ug/l	
42) 1,2-Dichloroethane	8.13	62	186418	19.95	ug/l	99
43) Isopropyl Acetate	8.17	43	217222	19.98	ug/l	99
44) Trichloroethene	8.84	130	167563	19.11	ug/l	96
45) 1,2-Dichloropropane	9.12	63	162271	19.59	ug/l	97
46) Dibromomethane	9.21	93	99918	19.77	ug/l	98
47) Bromodichloromethane	9.40	83	201219	19.58	ug/l	99
48) Methyl methacrylate	9.20	41	105399	19.90	ug/l	99
49) 1,4-Dioxane	9.20	88	32840	395.36	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	620424	103.22	ug/l	99
52) Toluene	10.16	92	390642	19.99	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	197558	19.21	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	240024	19.91	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142942	20.13	ug/l	98
56) Ethyl methacrylate	10.43	69	172046	19.63	ug/l	99
57) 1,3-Dichloropropane	10.71	76	237443	20.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	346937	96.58	ug/l	99
59) 2-Hexanone	10.75	43	389450	95.54	ug/l	100
60) Dibromochloromethane	10.90	129	158352	19.79	ug/l	99
61) 1,2-Dibromoethane	11.01	107	138512	19.96	ug/l	98
64) Tetrachloroethene	10.63	164	155531	19.50	ug/l	98
65) Chlorobenzene	11.43	112	426225	19.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	155411	19.59	ug/l	99
67) Ethyl Benzene	11.51	91	697916	19.56	ug/l	99
68) m/p-Xylenes	11.62	106	546126	39.84	ug/l	100
69) o-Xylene	11.95	106	263756	19.87	ug/l	99
70) Styrene	11.96	104	416235	20.21	ug/l	99
71) Bromoform	12.13	173	109870	19.67	ug/l #	99
73) Isopropylbenzene	12.25	105	689824	19.76	ug/l	99
74) N-amyl acetate	12.07	43	168942	19.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	178972	21.44	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	161107m	24.20	ug/l	
77) Bromobenzene	12.53	156	179575	19.15	ug/l	99
78) n-propylbenzene	12.59	91	758640	19.77	ug/l	100
79) 2-Chlorotoluene	12.67	91	469258	19.57	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	564203	19.99	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41946	19.14	ug/l	98
82) 4-Chlorotoluene	12.77	91	456204	19.16	ug/l	100
83) tert-Butylbenzene	12.99	119	488722	19.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	565101	20.36	ug/l	100
85) sec-Butylbenzene	13.17	105	630834	19.74	ug/l	99
86) p-Isopropyltoluene	13.29	119	545667	20.14	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293321	18.44	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286348	19.61	ug/l	99
89) n-Butylbenzene	13.62	91	389023	18.45	ug/l	99
90) Hexachloroethane	13.87	117	100438	19.99	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	289814	18.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23277	19.92	ug/l	99

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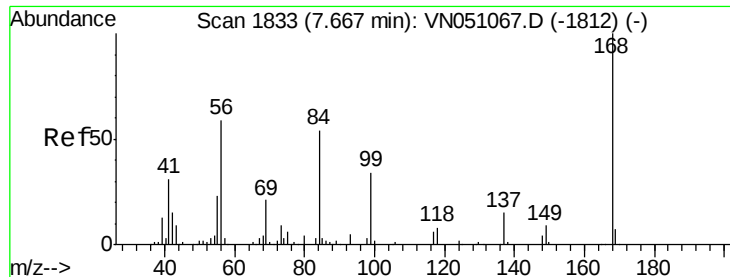
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107553	17.20	ug/l	98
94) Hexachlorobutadiene	15.01	225	92235	19.34	ug/l	99
95) Naphthalene	15.13	128	200788	16.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	114749	18.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion:168 Resp: 674259

Ion Ratio Lower Upper

168 100

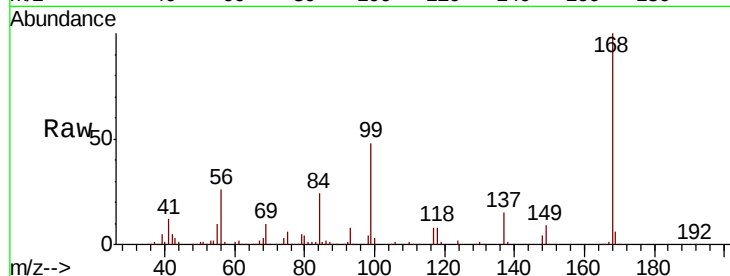
99 48.1 38.3 57.5

Manual Integrations

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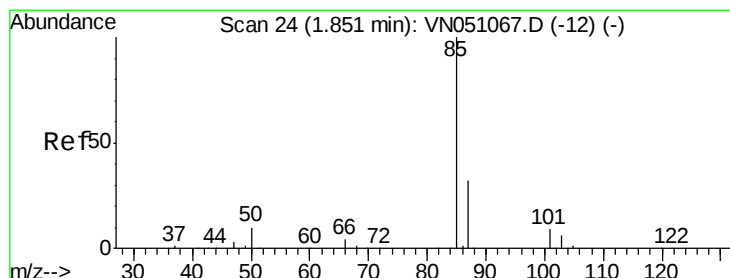
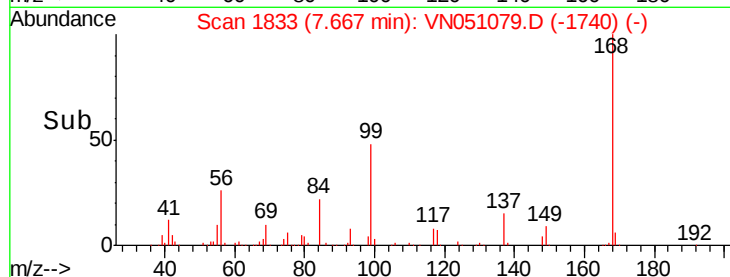
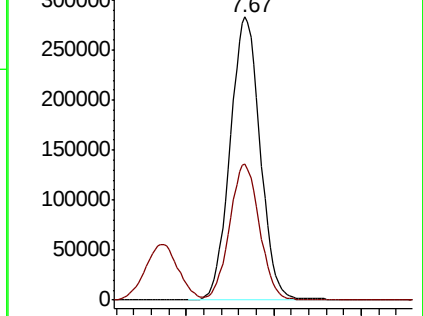
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.12 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051079.D

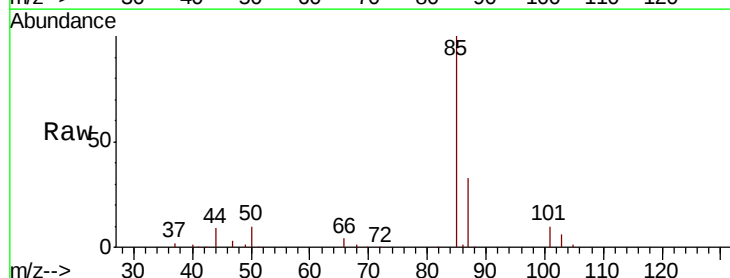
Acq: 10 Sep 2018 15:45

Tgt Ion: 85 Resp: 124328

Ion Ratio Lower Upper

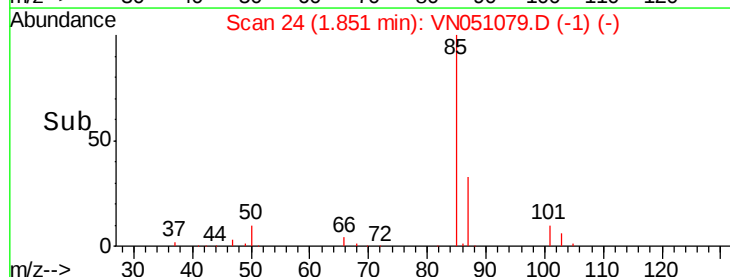
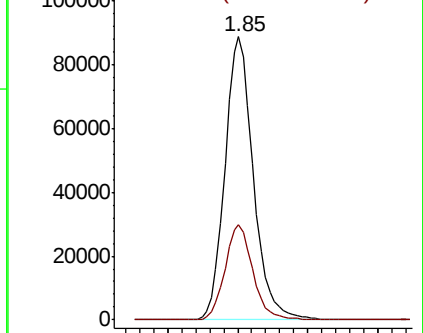
85 100

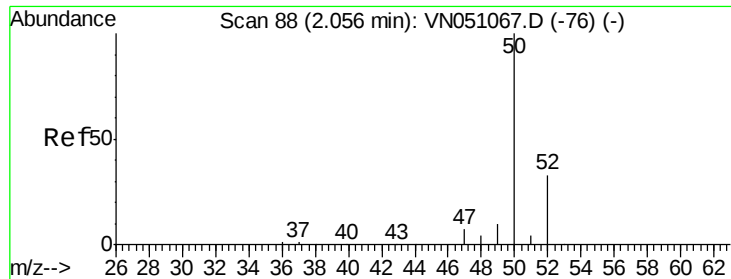
87 33.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.11 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 50 Resp: 171565

Ion Ratio Lower Upper

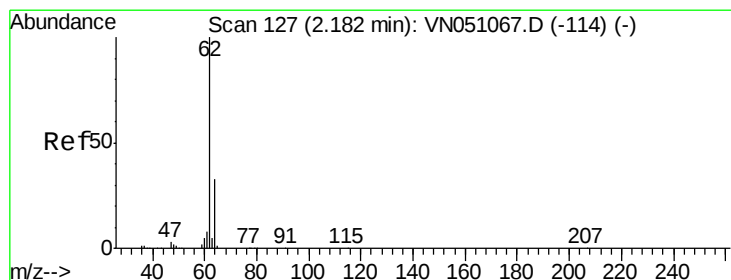
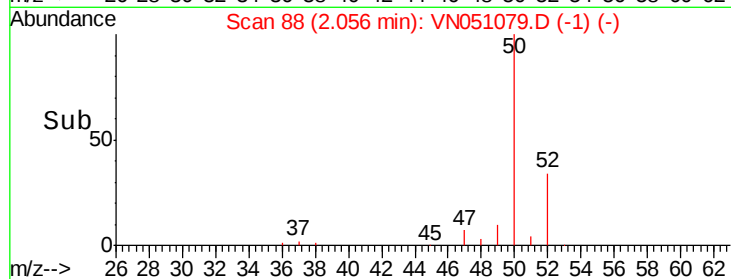
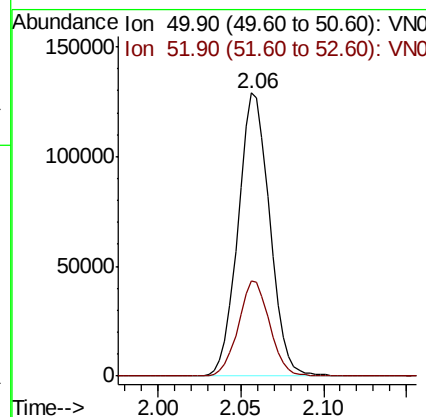
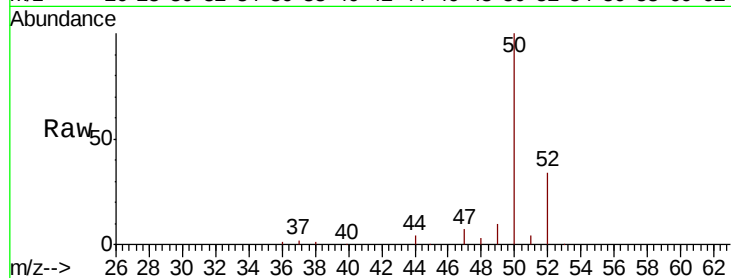
50 100

52 33.6 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.29 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051079.D

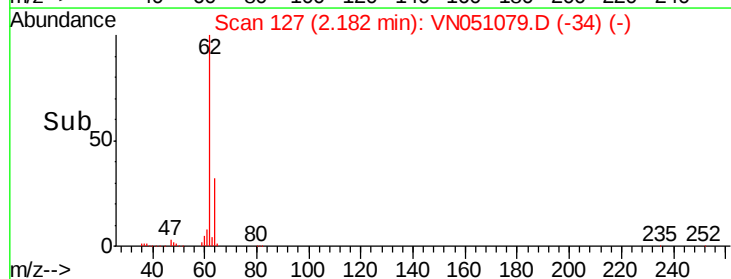
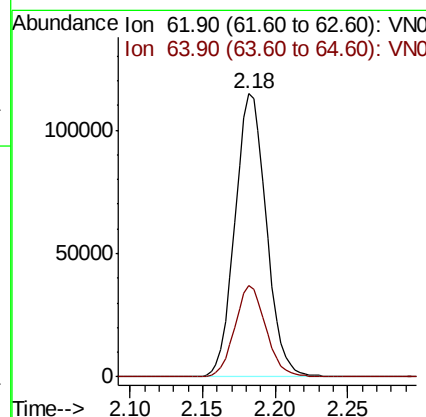
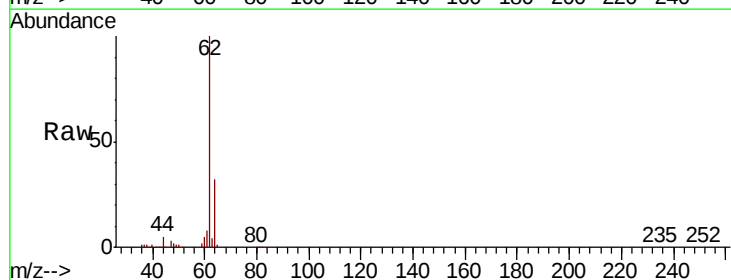
Acq: 10 Sep 2018 15:45

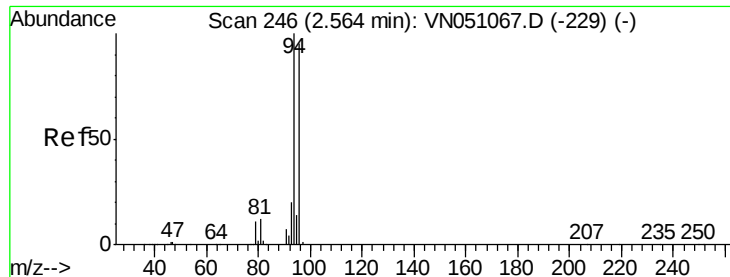
Tgt Ion: 62 Resp: 172136

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 18.85 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 94 Resp: 98009

Ion Ratio Lower Upper

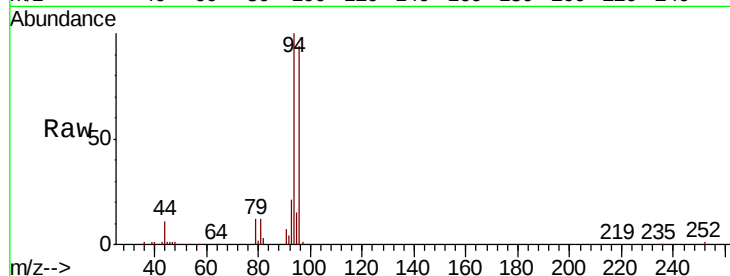
94 100

96 94.0 75.9 113.9

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN051067.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051067.D (-229) (-)

60000

50000

40000

30000

20000

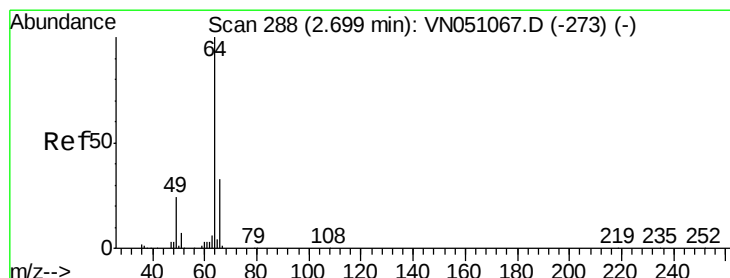
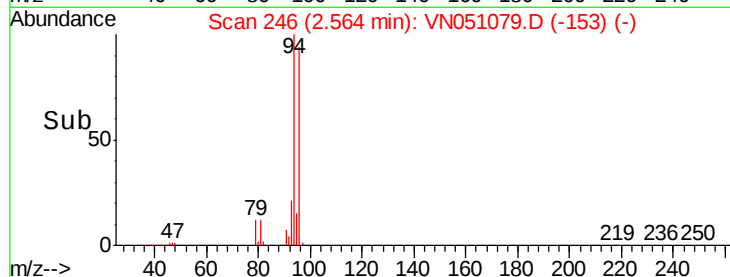
10000

0

2.56

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 18.83 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051079.D

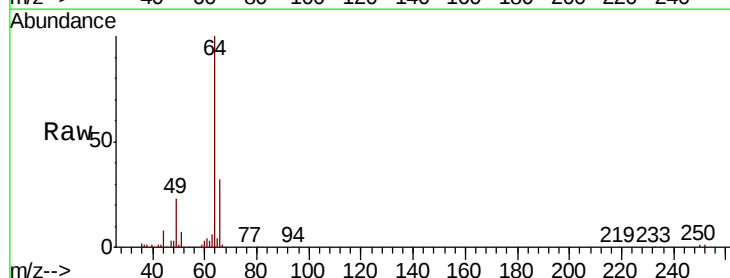
Acq: 10 Sep 2018 15:45

Tgt Ion: 64 Resp: 103722

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051067.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN051067.D (-273) (-)

60000

50000

40000

30000

20000

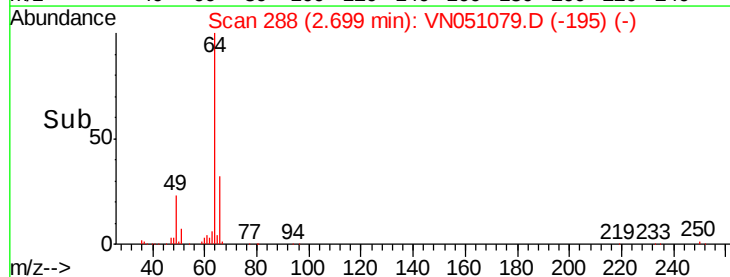
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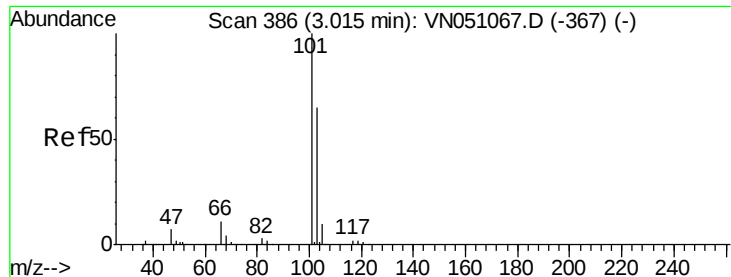
0

2.70

2.60 2.70 2.80

Time-->





#7

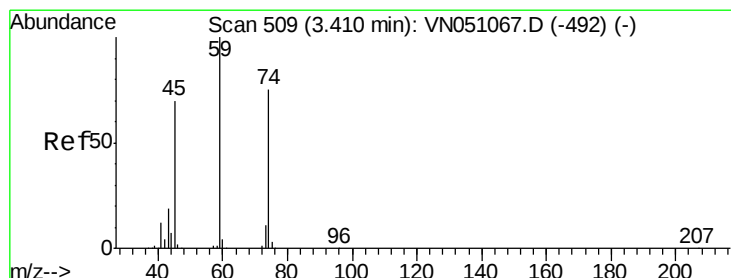
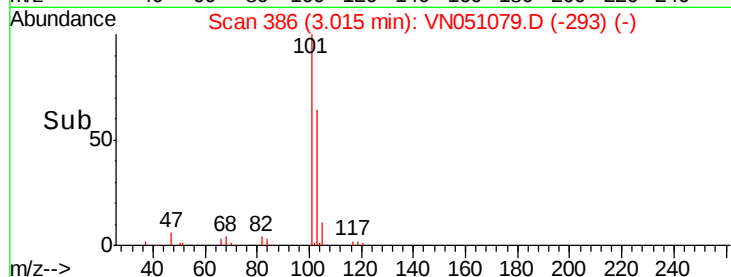
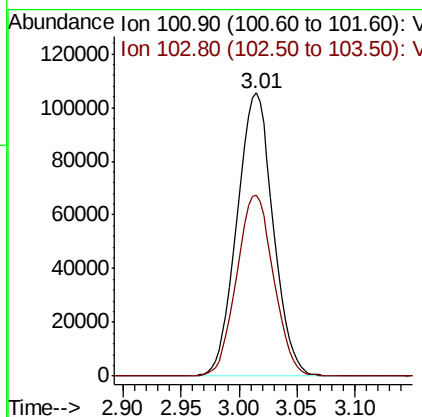
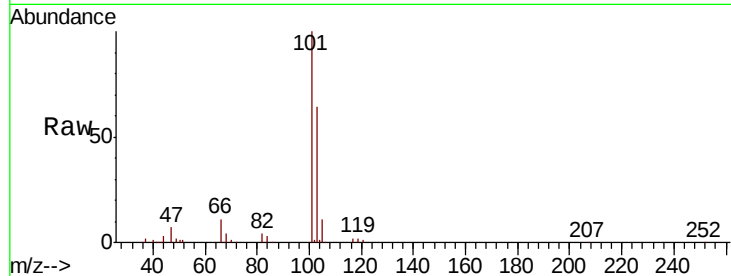
Trichlorofluoromethane
 Concen: 19.36 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
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 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.4	78.6

Manual Integrations
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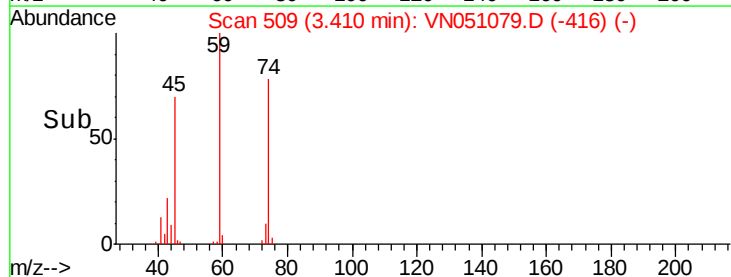
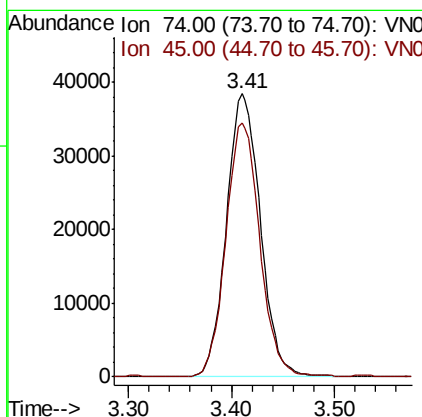
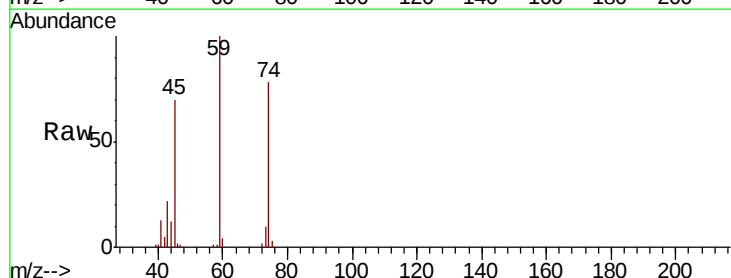
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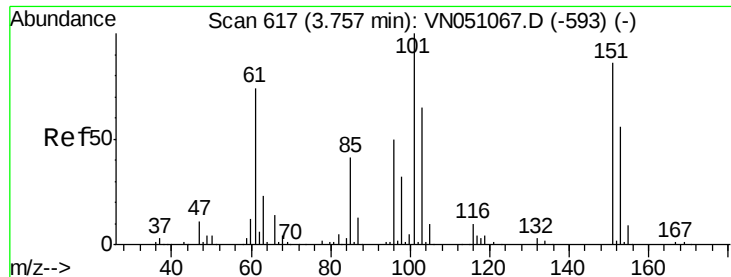


#8

Diethyl Ether
 Concen: 20.26 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.8	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.19 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

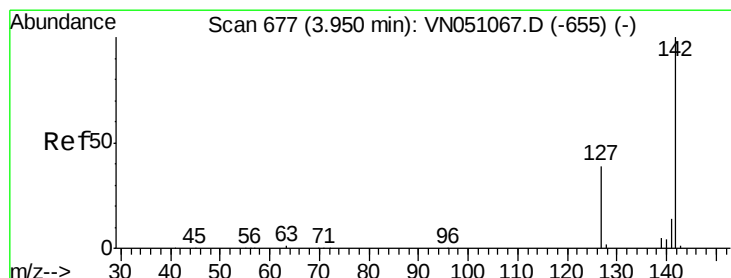
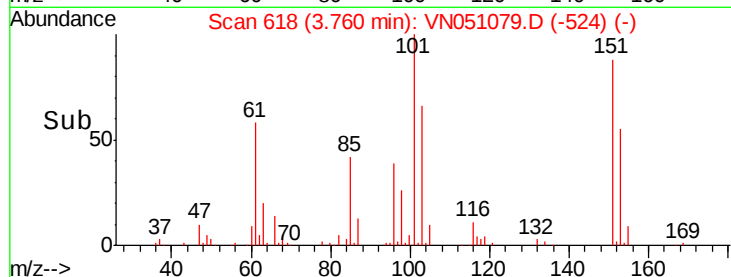
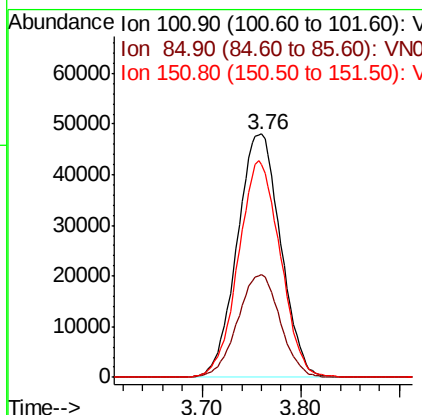
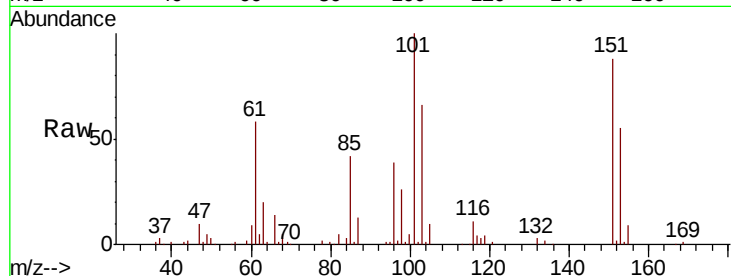
ClientSampleId :

VN0910WBS01

Tot Ion:	101	Resp:	146274
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.3	49.9
151	86.1	68.2	102.2

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#10

Methyl Iodide

Concen: 19.99 ug/l

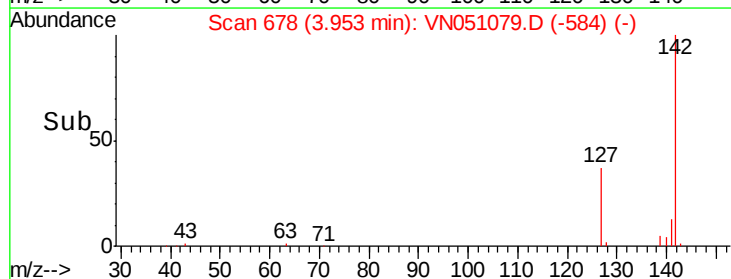
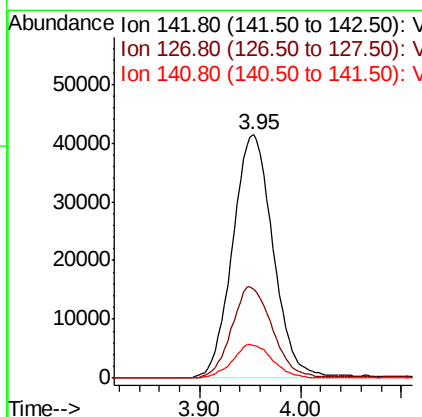
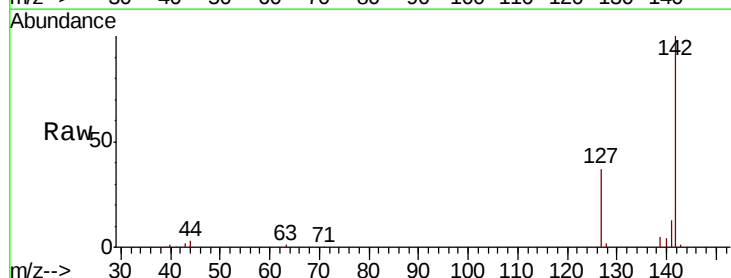
RT: 3.95 min Scan# 678

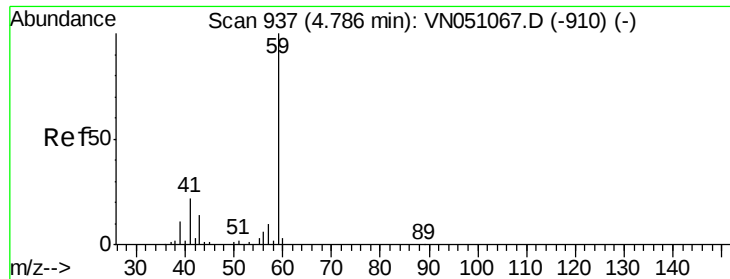
Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion:	142	Resp:	115384
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	13.7	11.3	16.9





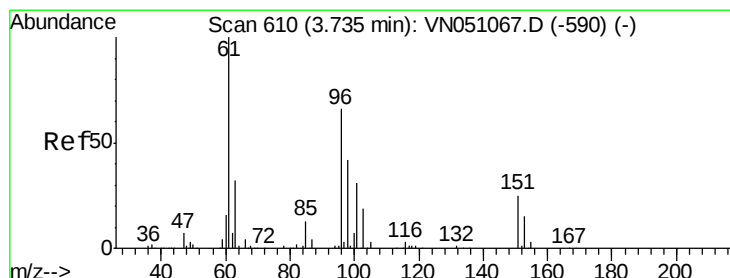
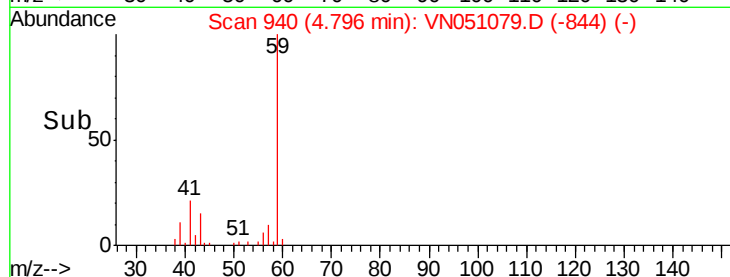
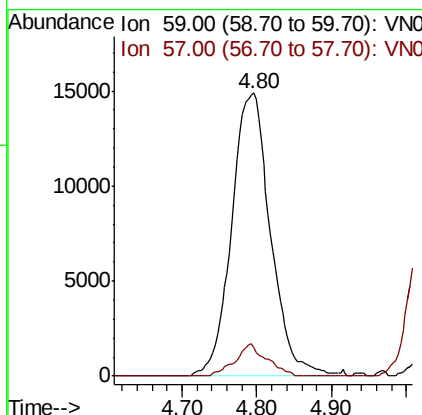
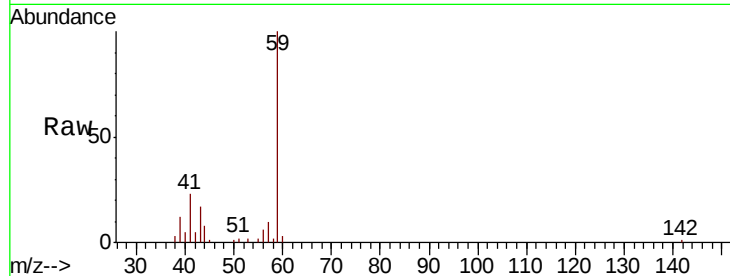
#11
Tert butyl alcohol
Concen: 93.80 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.1	12.1

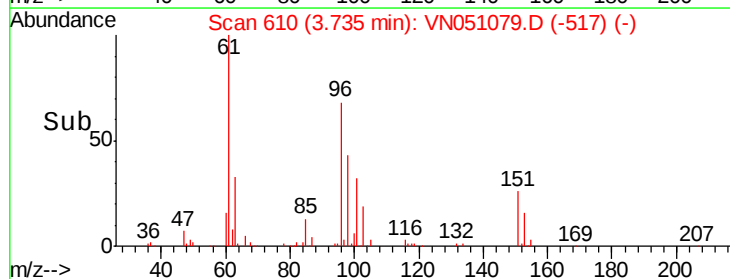
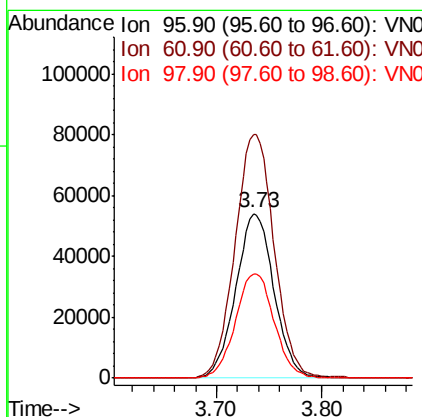
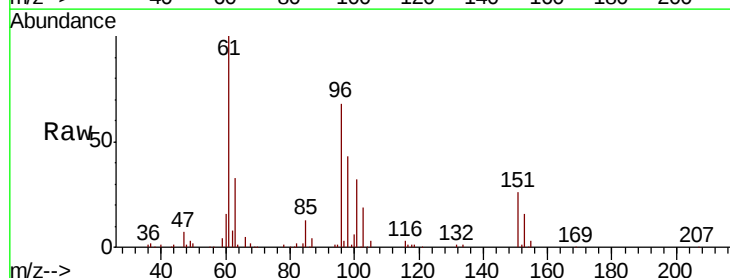
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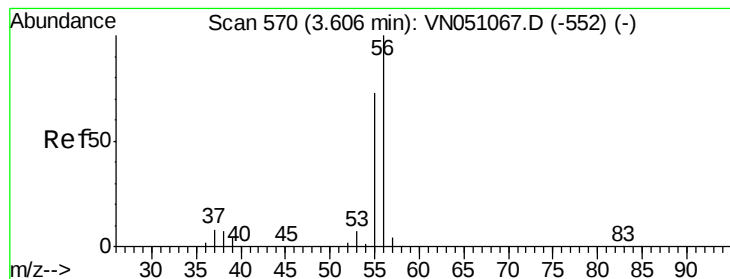
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.91 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	120.3	180.5
98	62.9	50.8	76.2





#13

Acrolein

Concen: 115.34 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 56 Resp: 70550

Ion Ratio Lower Upper

56 100

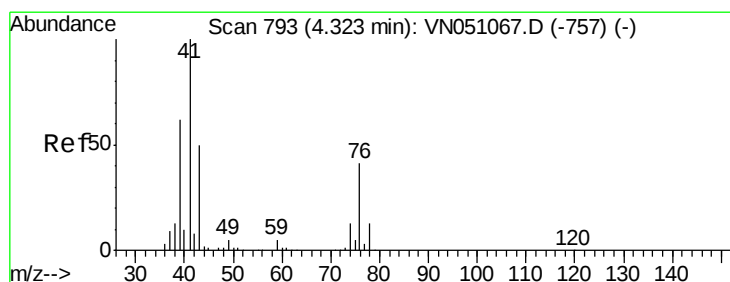
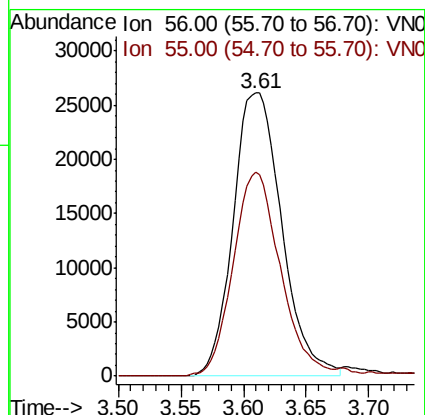
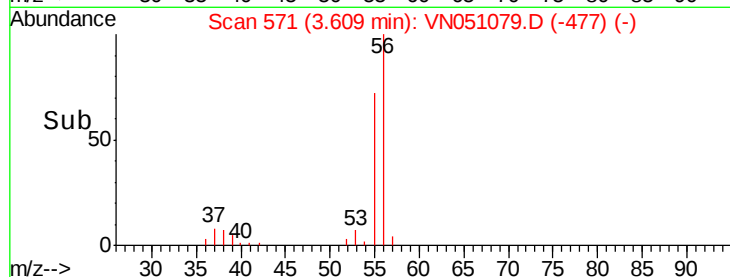
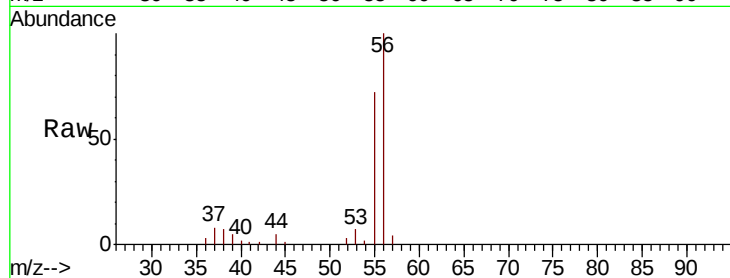
55 69.7 58.0 87.0

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#14

Allyl chloride

Concen: 19.03 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

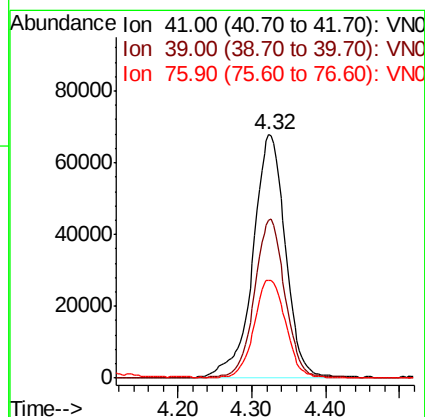
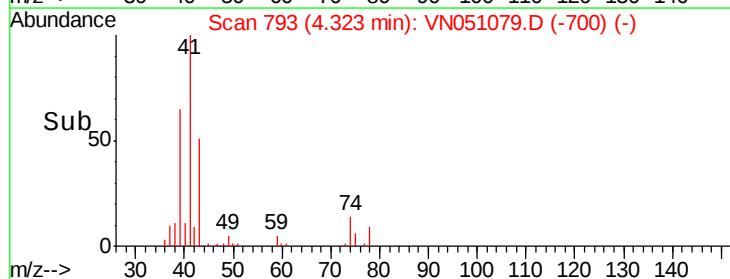
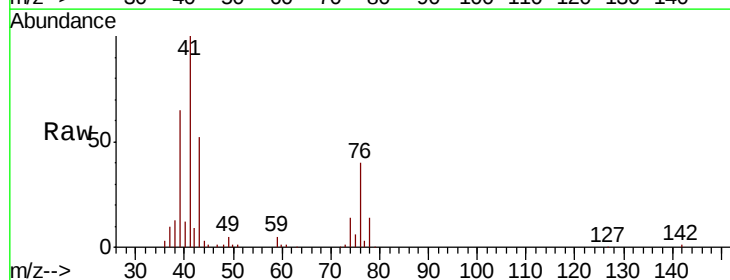
Tgt Ion: 41 Resp: 208562

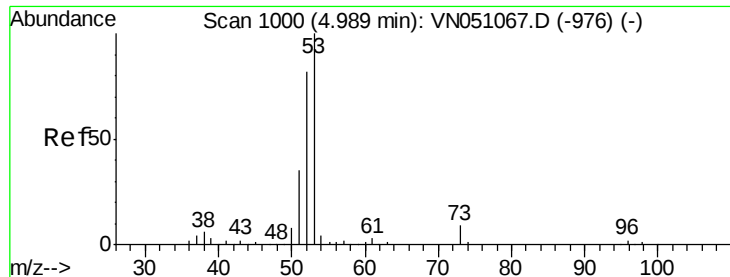
Ion Ratio Lower Upper

41 100

39 61.1 48.8 73.2

76 38.4 30.6 45.8





#15

Acrylonitrile

Concen: 98.99 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

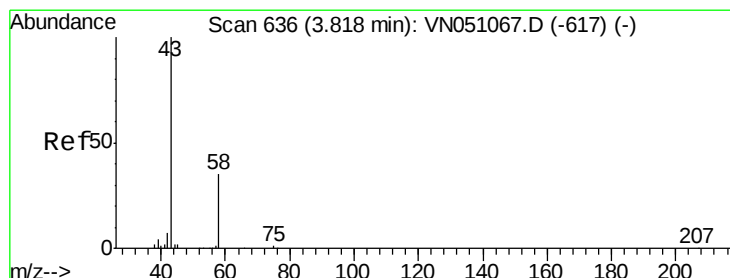
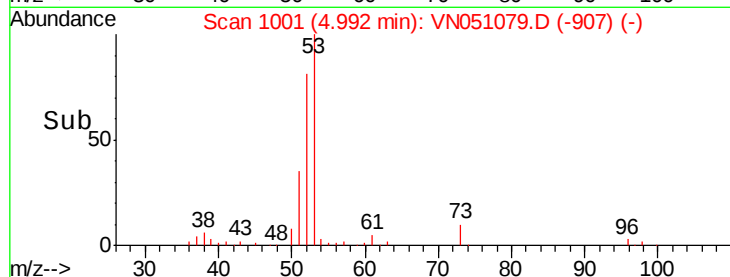
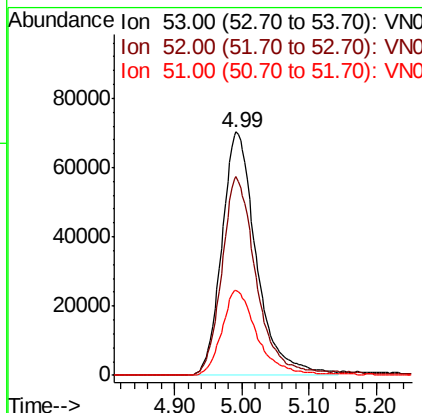
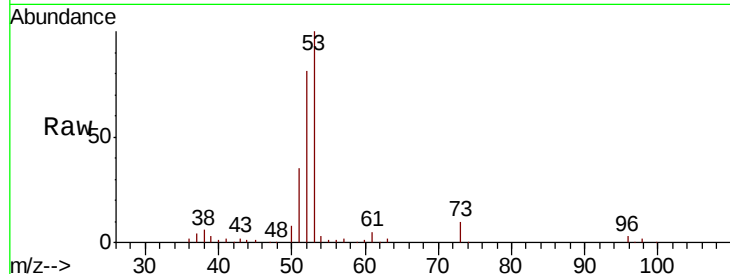
ClientSampleId :

VN0910WBS01

Tot Ion:	53	Resp:	251393
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.3	97.9
51	35.6	28.2	42.2

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#16

Acetone

Concen: 95.82 ug/l

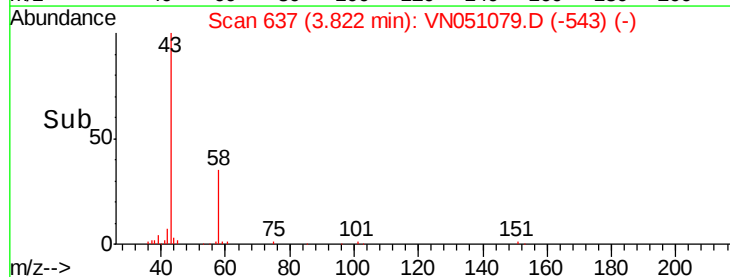
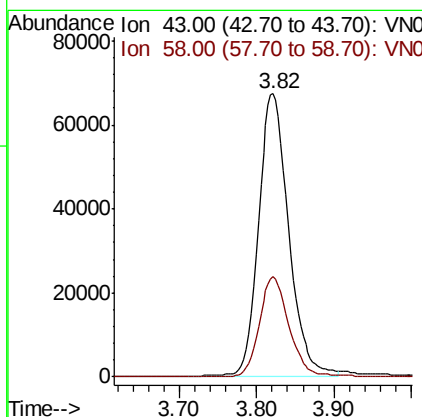
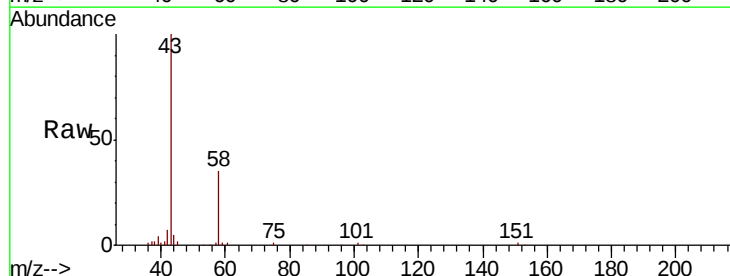
RT: 3.82 min Scan# 637

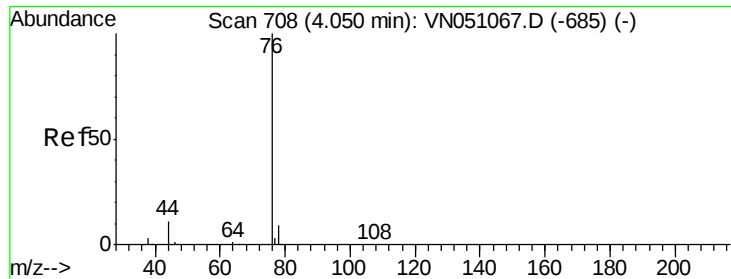
Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion:	43	Resp:	184445
Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.8	41.6





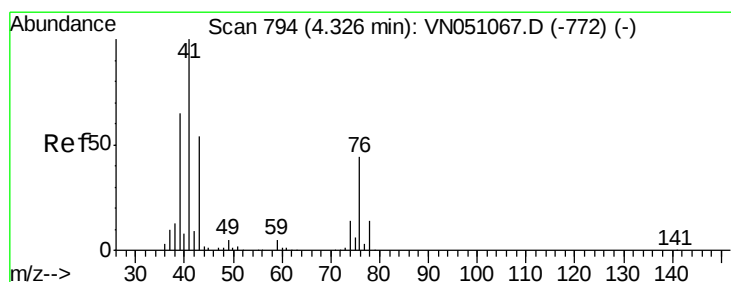
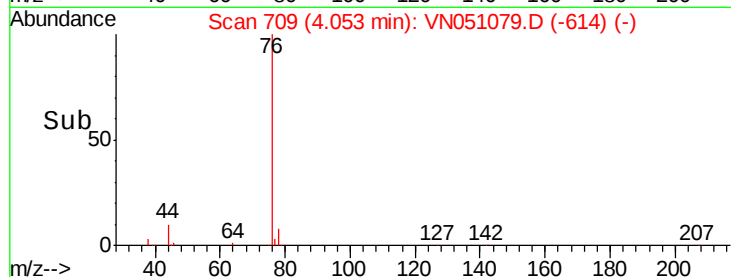
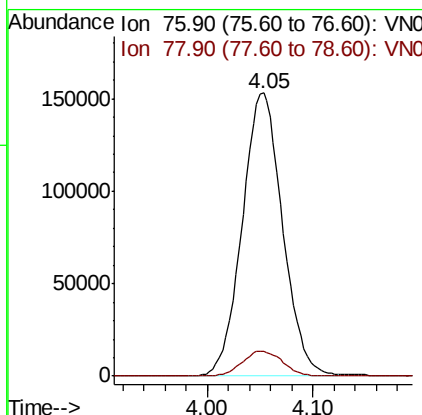
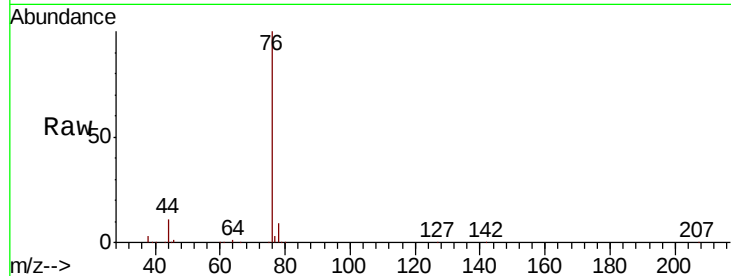
#17
Carbon Disulfide
Concen: 19.28 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 76 Resp: 407204
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

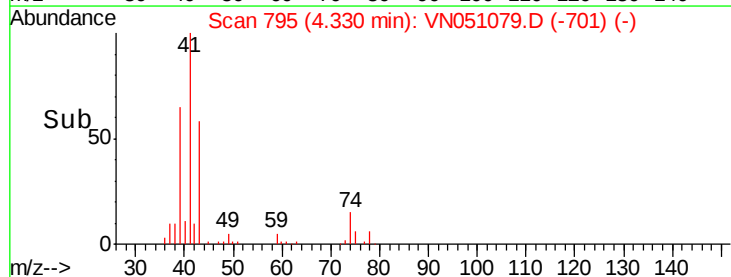
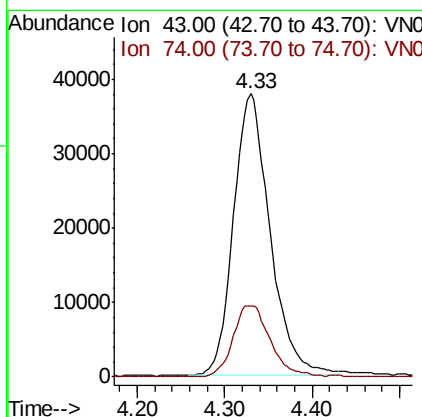
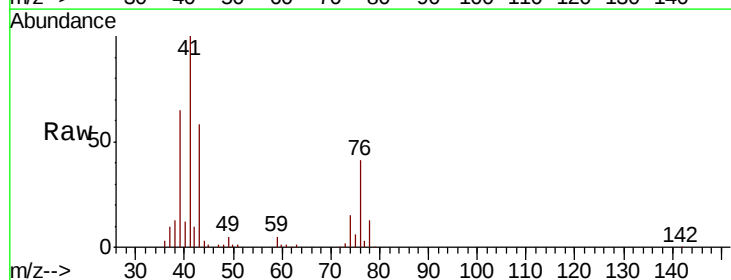
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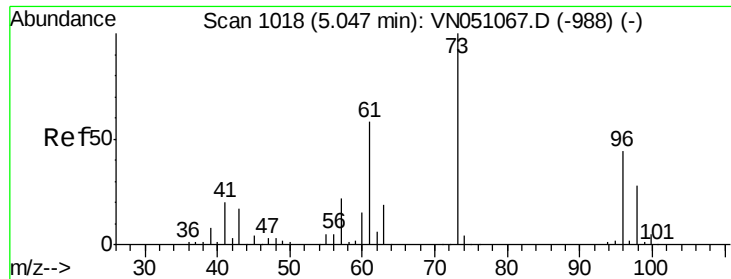
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#18
Methyl Acetate
Concen: 18.32 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 43 Resp: 110081
Ion Ratio Lower Upper
43 100
74 25.7 20.7 31.1





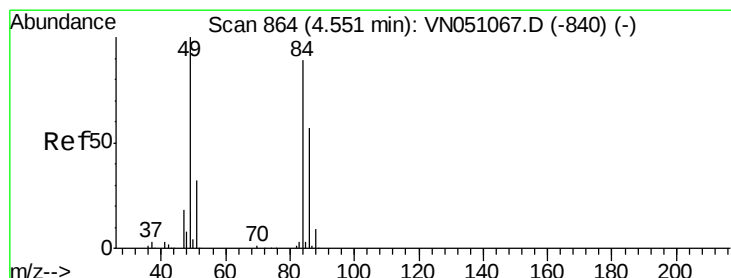
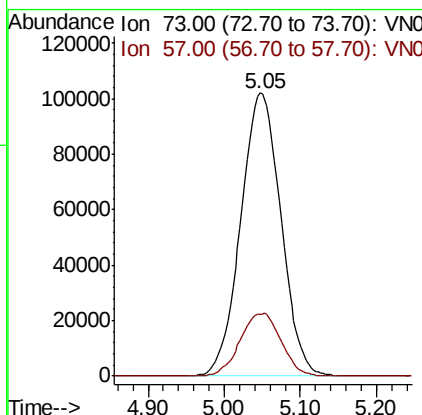
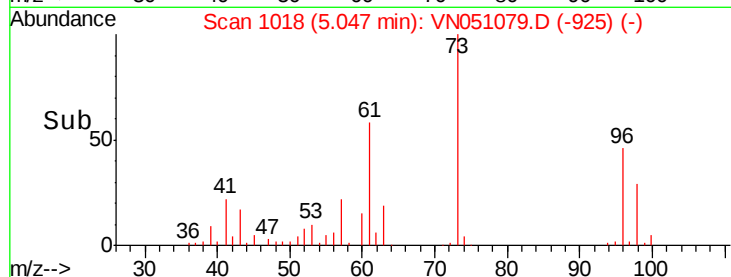
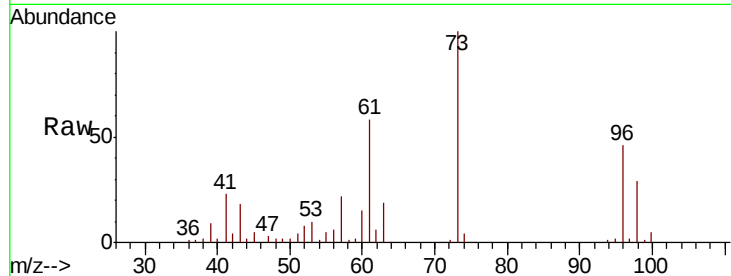
#19
Methyl tert-butyl Ether
Concen: 19.69 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS01

Tot Ion: 73 Resp: 374282
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

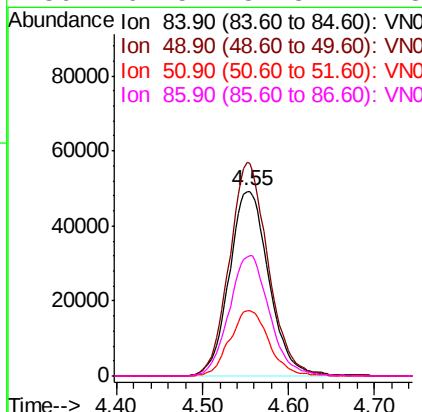
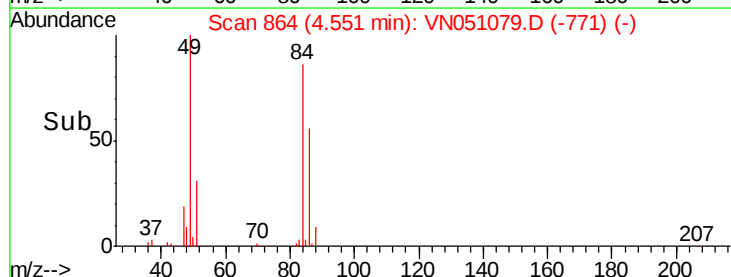
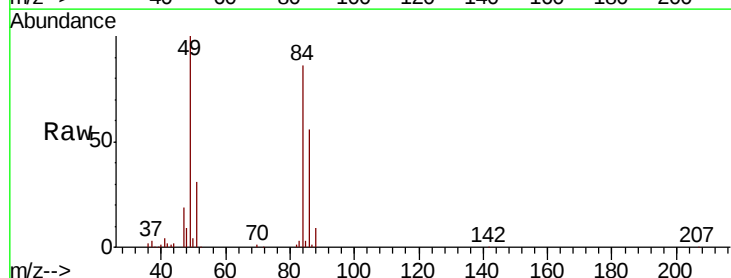
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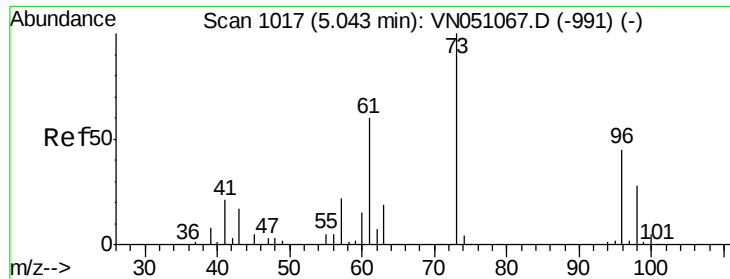
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#20
Methylene Chloride
Concen: 19.06 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 84 Resp: 157992
Ion Ratio Lower Upper
84 100
49 115.4 90.2 135.2
51 35.6 28.4 42.6
86 64.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 19.02 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051079.D

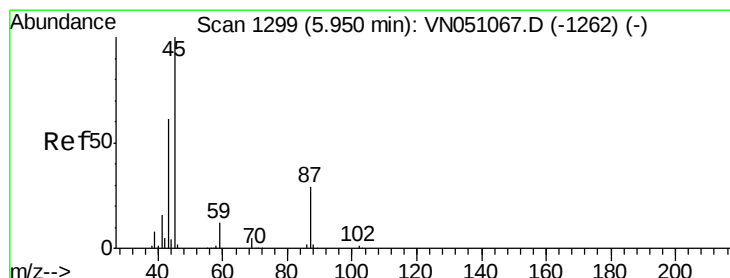
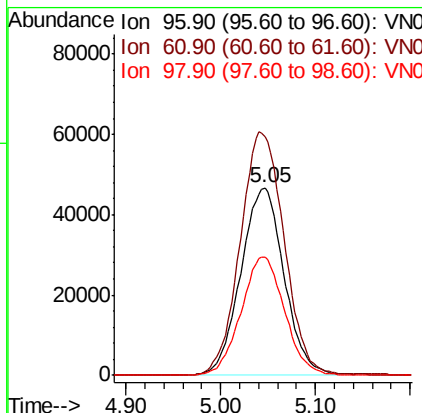
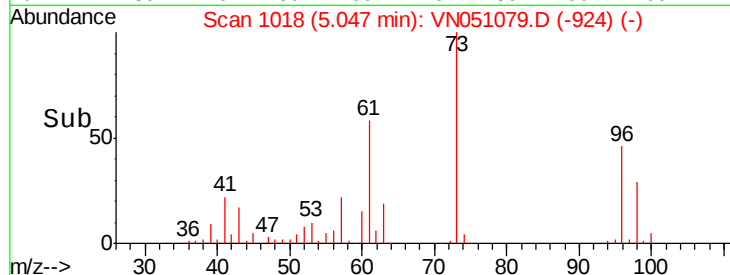
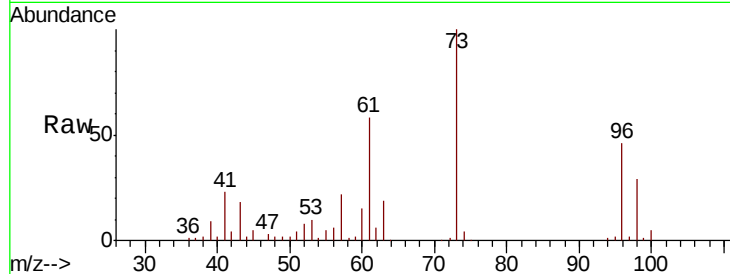
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion:	96	Resp:	148352
Ion	Ratio	Lower	Upper
96	100		
61	127.0	106.5	159.7
98	63.3	50.4	75.6

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#22

Diisopropyl ether

Concen: 20.66 ug/l

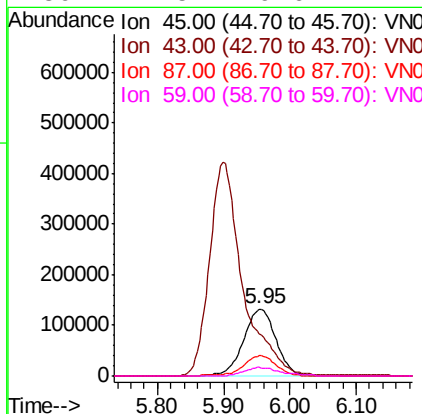
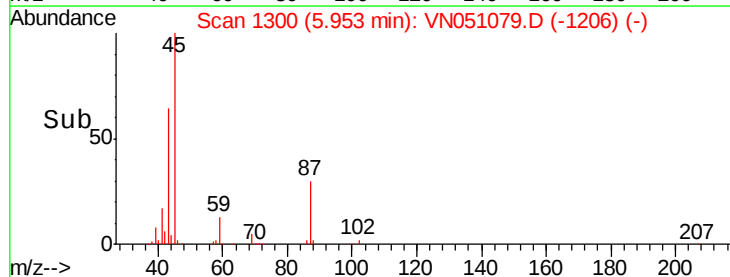
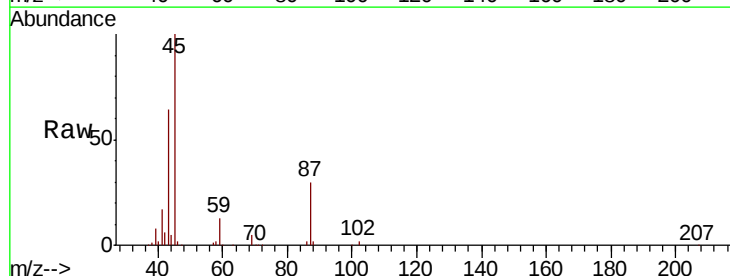
RT: 5.95 min Scan# 1300

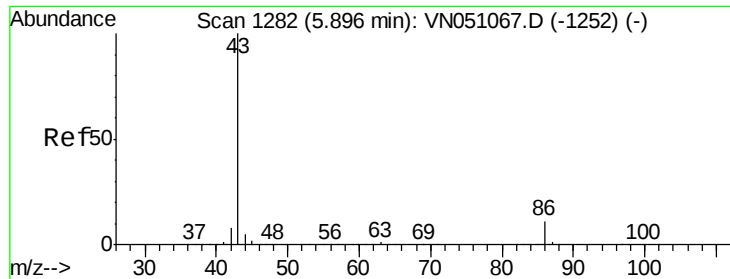
Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion:	45	Resp:	449300
Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.8	73.2
87	30.3	23.8	35.8
59	12.5	9.6	14.4





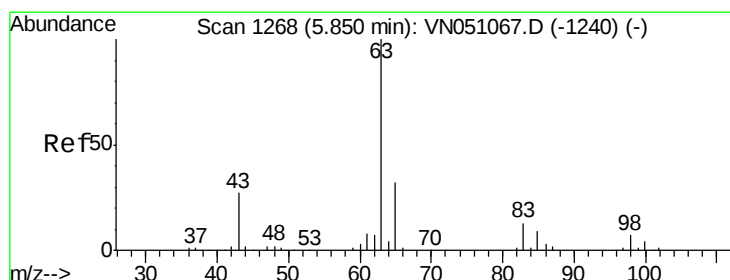
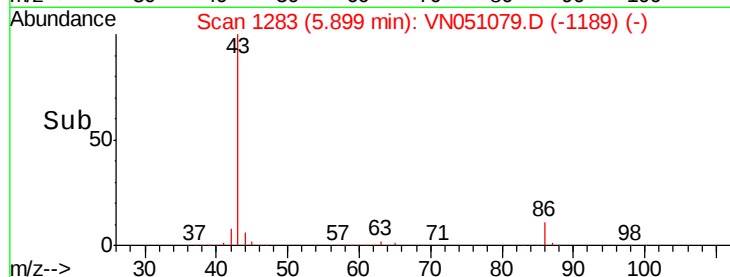
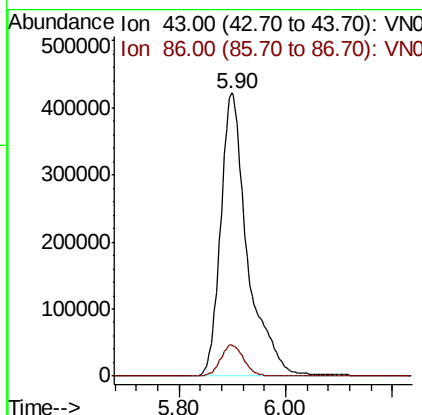
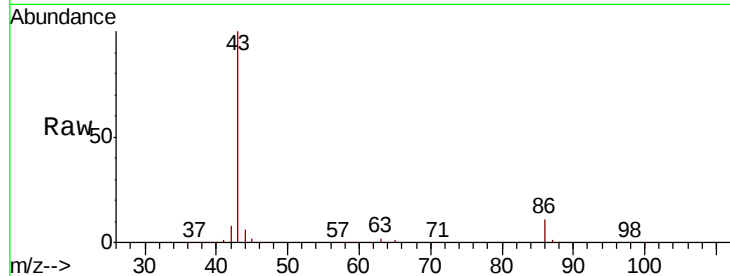
#23
 Vinyl Acetate
 Concen: 100.31 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion: 43 Resp: 1476539
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.2 13.8

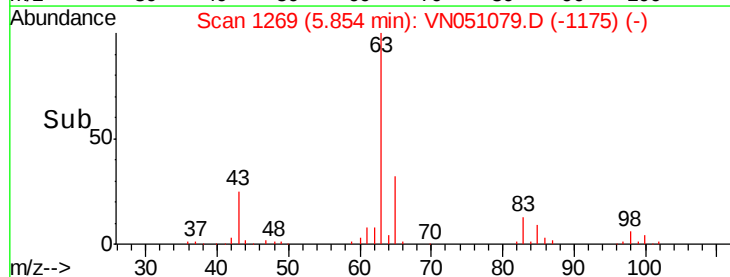
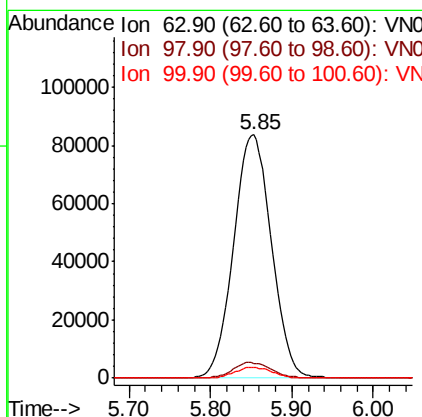
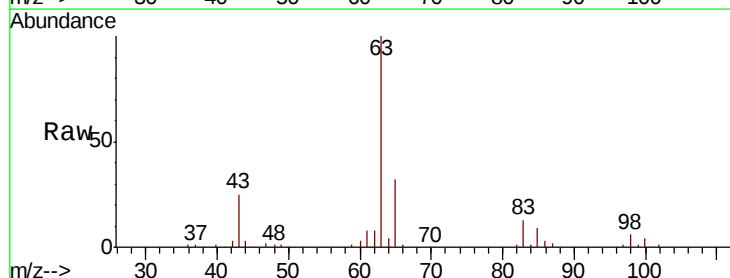
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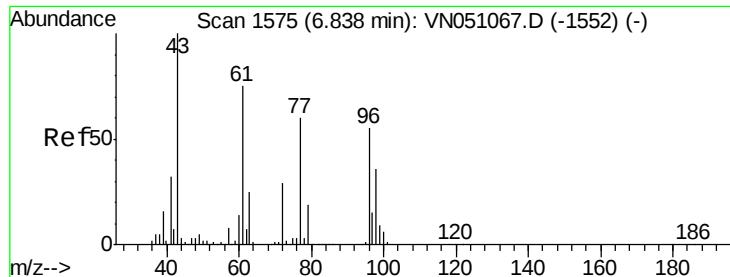
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 9/11/2018 9:40:47 AM



#24
 1,1-Dichloroethane
 Concen: 19.50 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion: 63 Resp: 269142
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 92.41 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion: 43 Resp: 272608

Ion Ratio Lower Upper

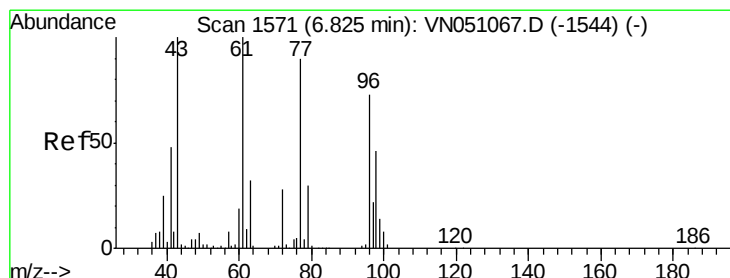
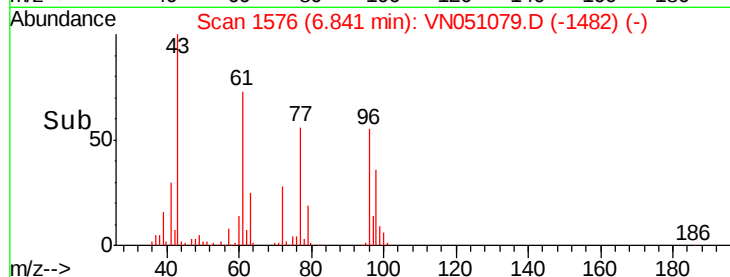
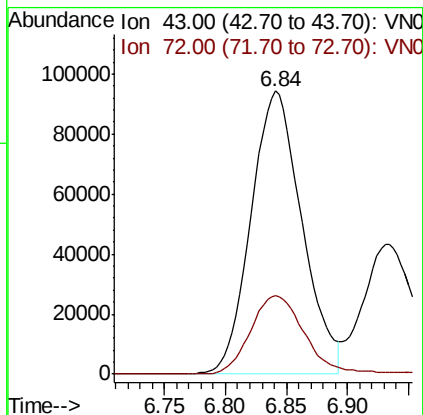
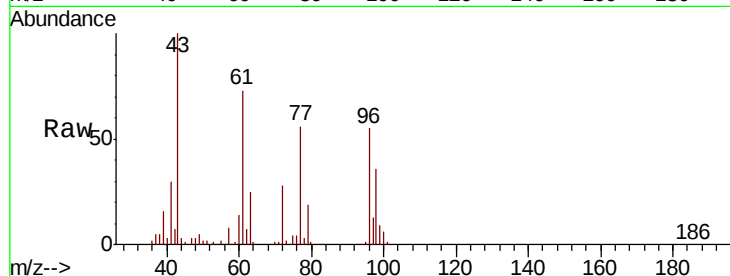
43 100

72 27.8 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 18.52 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051079.D

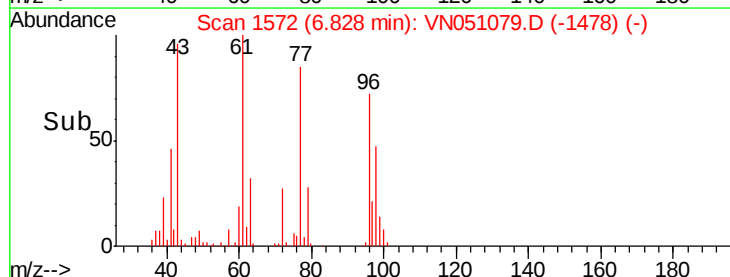
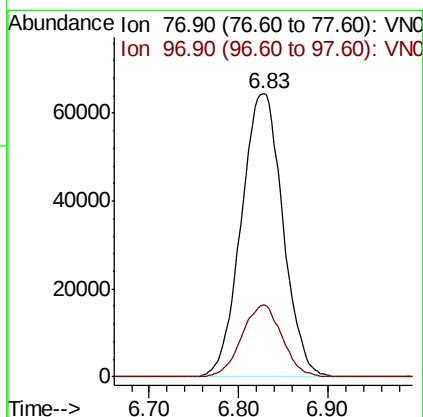
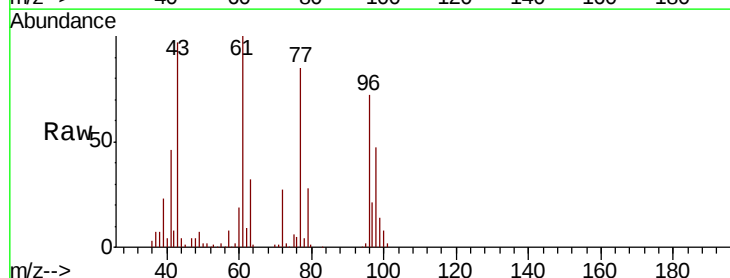
Acq: 10 Sep 2018 15:45

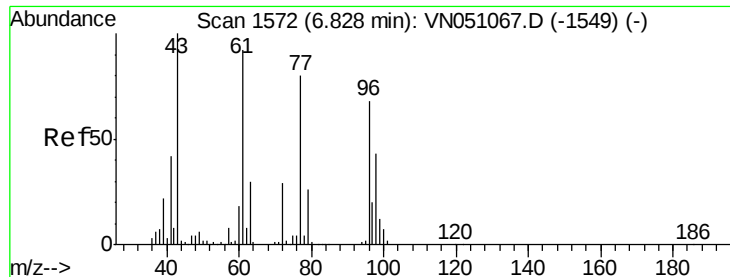
Tgt Ion: 77 Resp: 209149

Ion Ratio Lower Upper

77 100

97 24.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.42 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

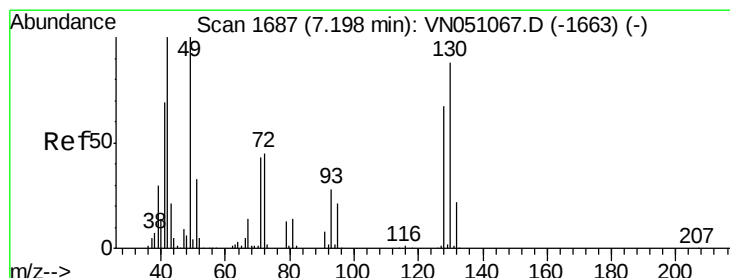
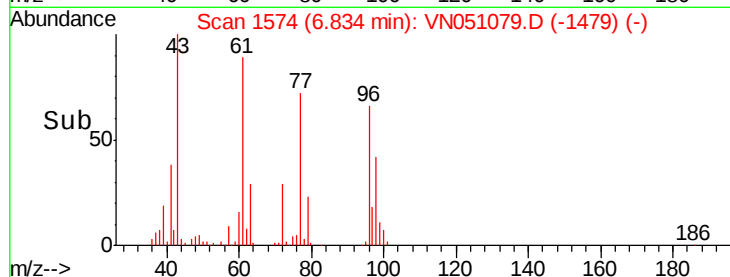
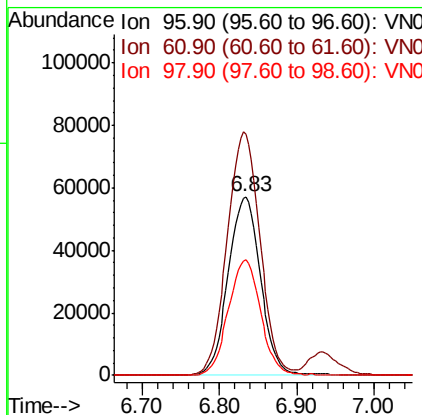
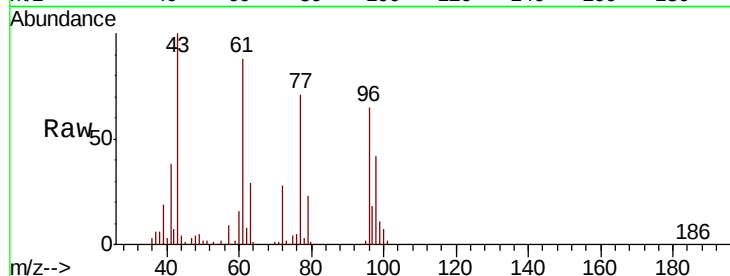
ClientSampleId :

VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	166182		
61	137.7	0.0	278.2	
98	64.4	0.0	129.4	

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#28

Bromochloromethane

Concen: 18.75 ug/l

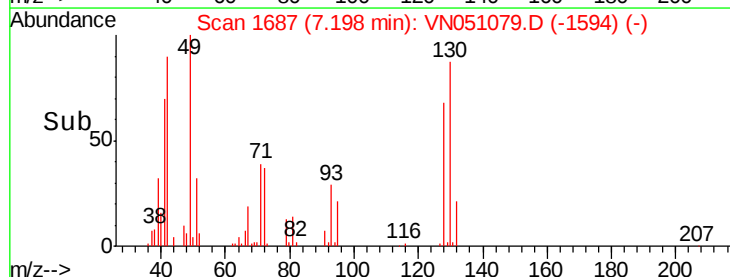
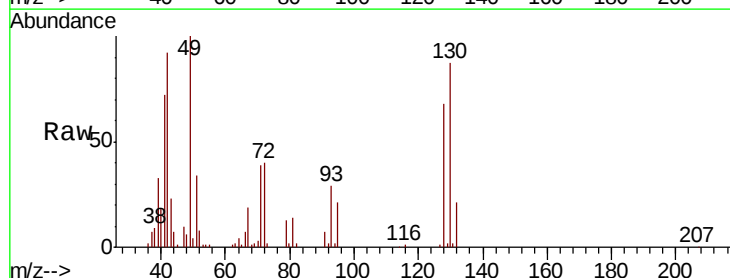
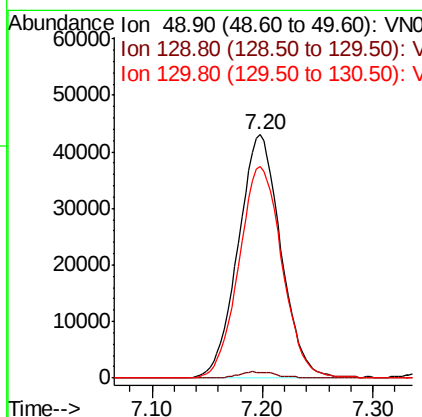
RT: 7.20 min Scan# 1687

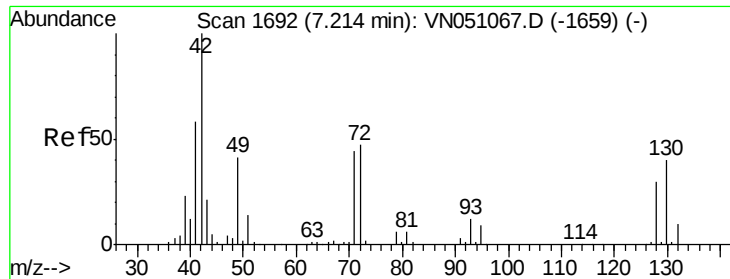
Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115193		
129	2.2	0.0	4.4	
130	88.3	70.7	106.1	





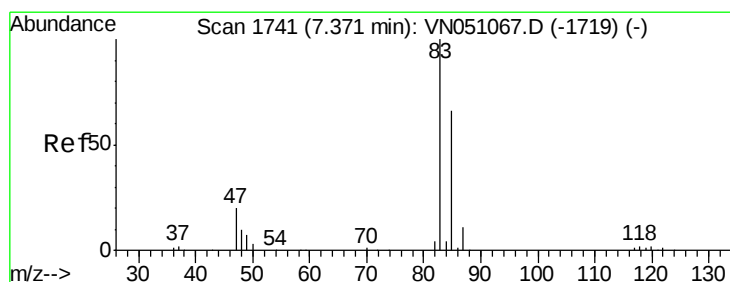
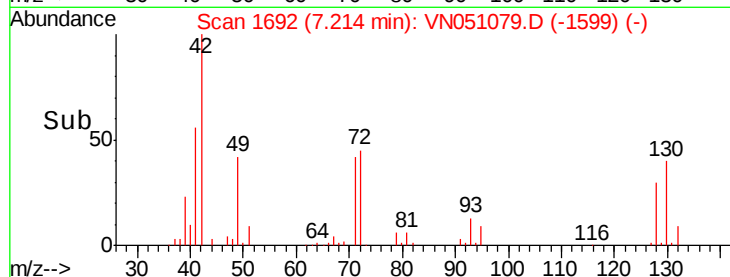
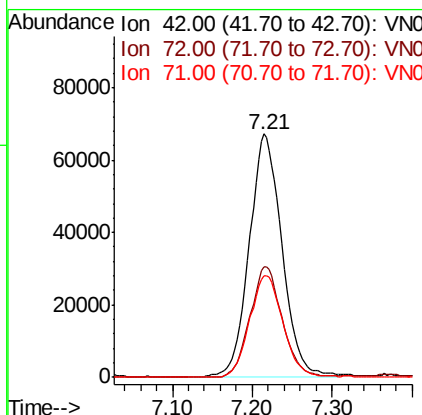
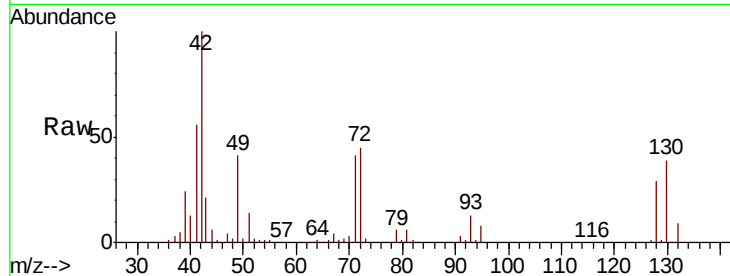
#29
Tetrahydrofuran
Concen: 102.56 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.4	56.0
71	42.3	34.7	52.1

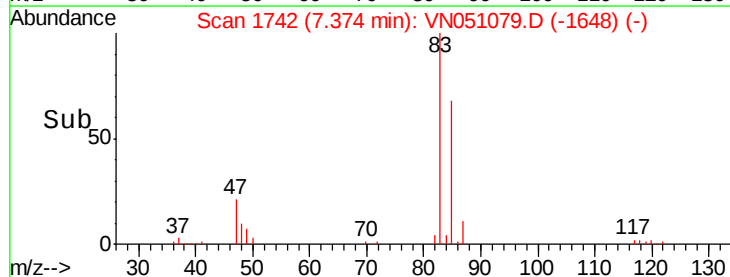
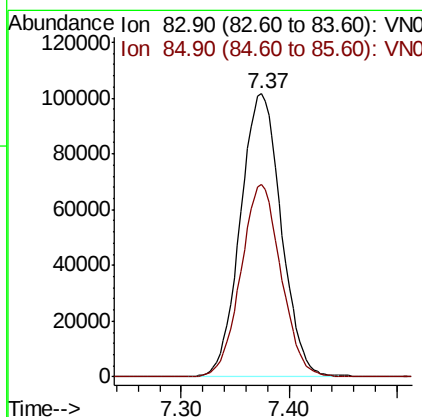
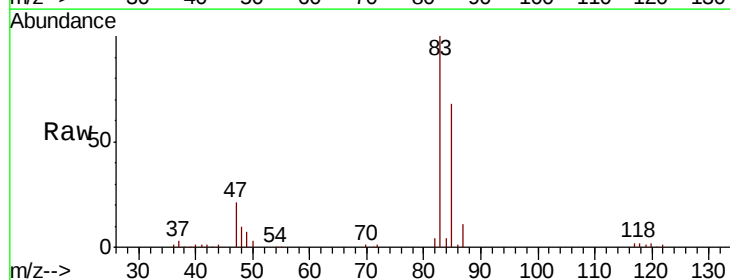
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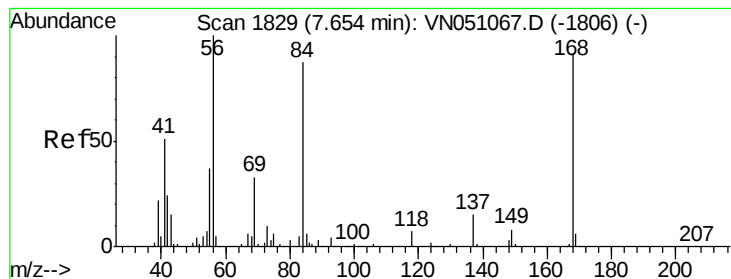
MMDadoda
9/11/2018 9:40:47 AM



#30
Chloroform
Concen: 19.46 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.6	79.0





#31

Cyclohexane

Concen: 19.57 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

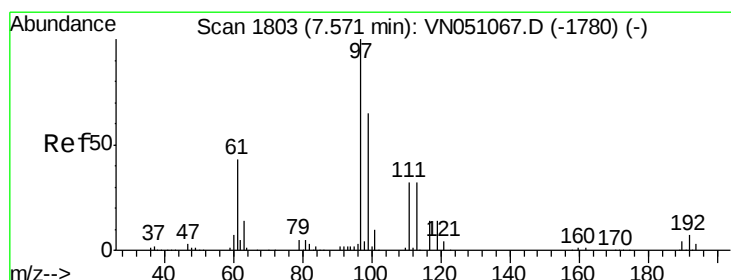
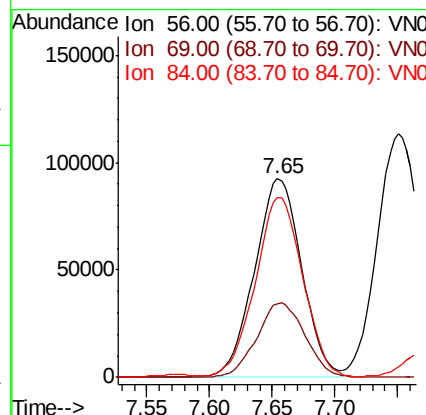
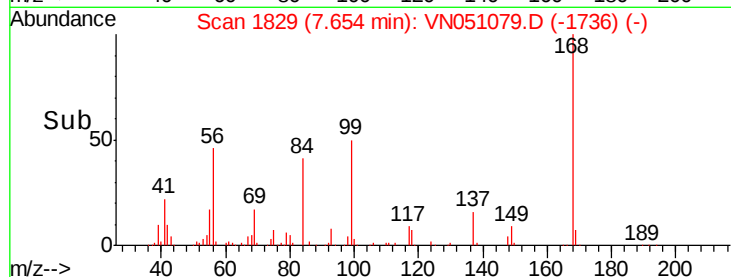
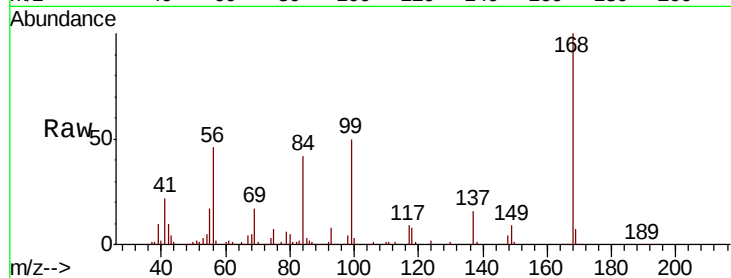
ClientSampleID :

VN0910WBS01

Tot Ion:	56	Resp:	242566
Ion Ratio	Lower	Upper	
56	100		
69	37.2	26.3	39.5
84	89.7	69.4	104.0

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#32

1,1,1-Trichloroethane

Concen: 19.73 ug/l

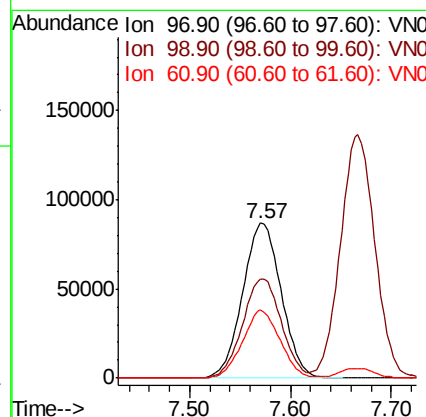
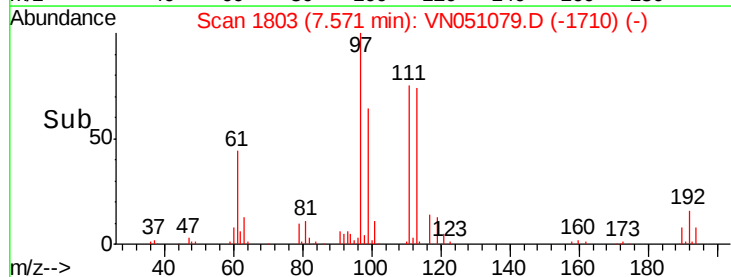
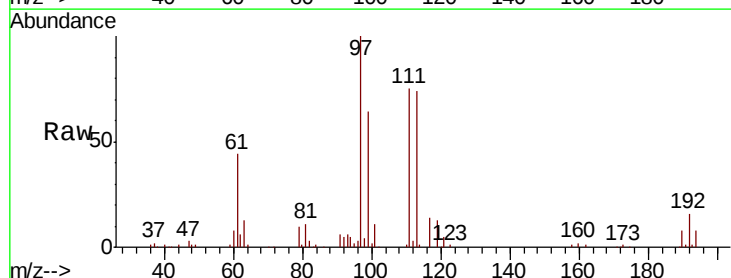
RT: 7.57 min Scan# 1803

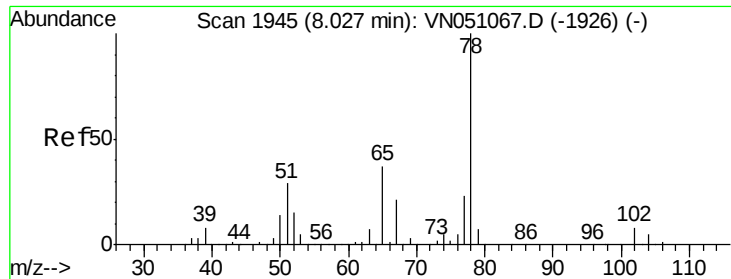
Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion:	97	Resp:	230747
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.6	77.4
61	42.7	33.8	50.6





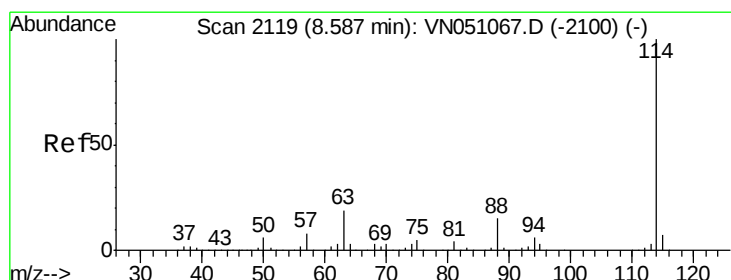
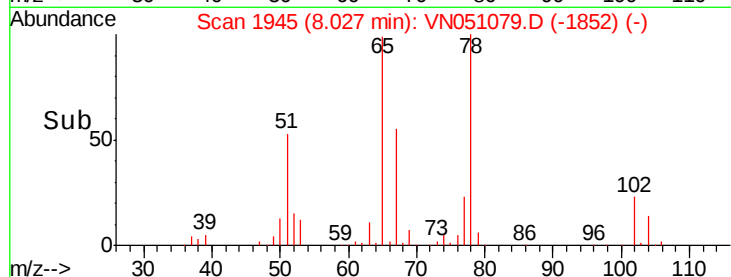
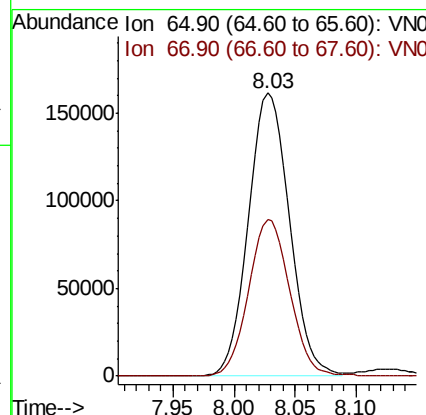
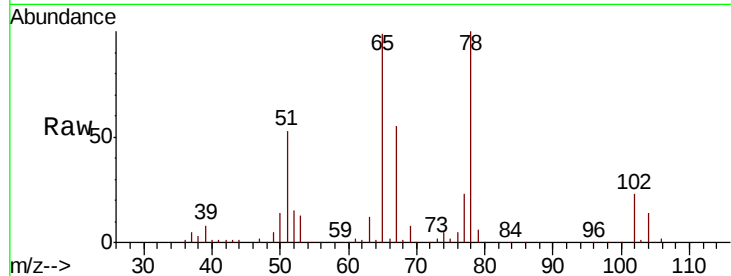
#33
 1,2-Dichloroethane-d4
 Concen: 50.24 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	377007		
67	55.2	0.0	112.0	

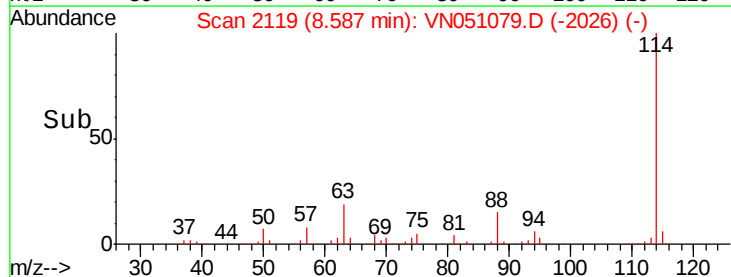
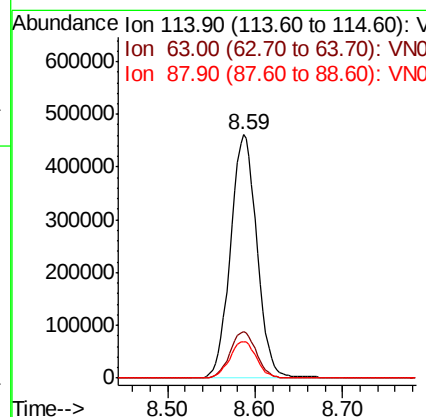
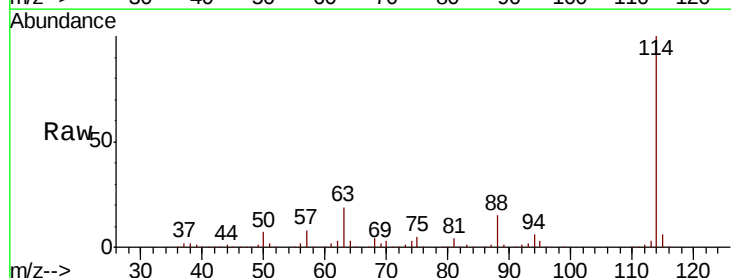
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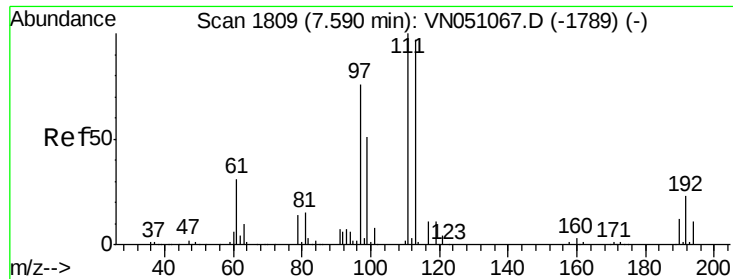
MMDadoda
 9/11/2018 9:40:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	968786		
63	18.9	0.0	37.8	
88	15.1	0.0	30.8	





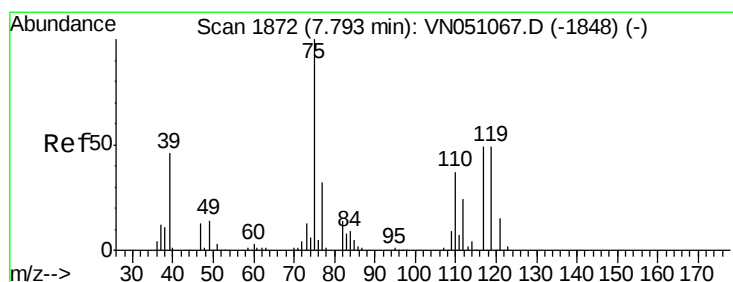
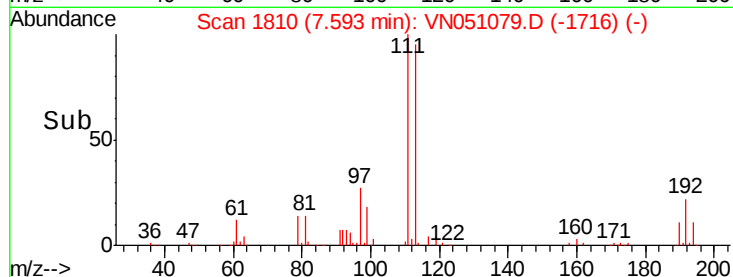
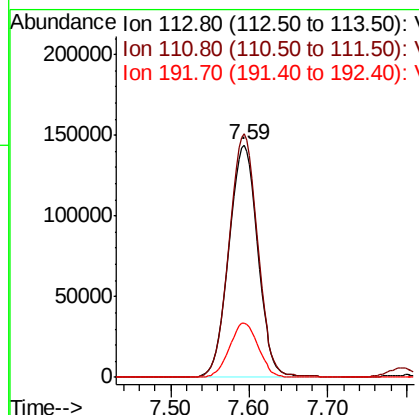
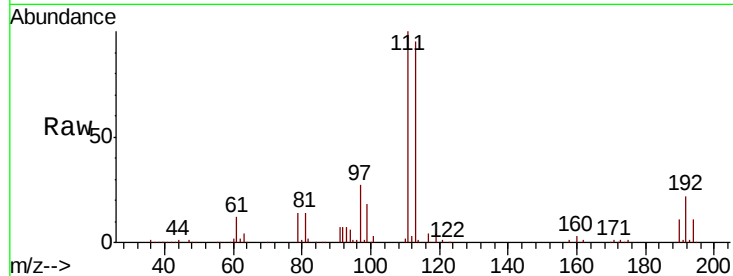
#35
 Dibromofluoromethane
 Concen: 50.35 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	366552		
111	103.8	83.0	124.6	
192	23.2	18.7	28.1	

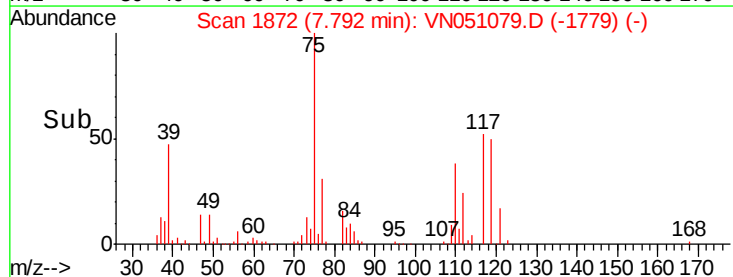
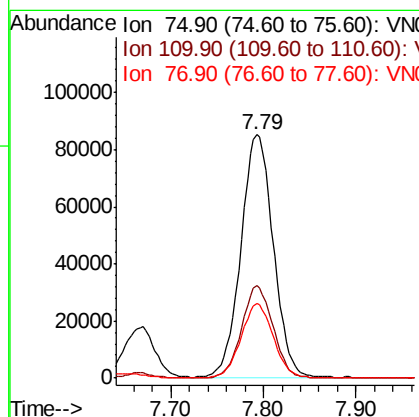
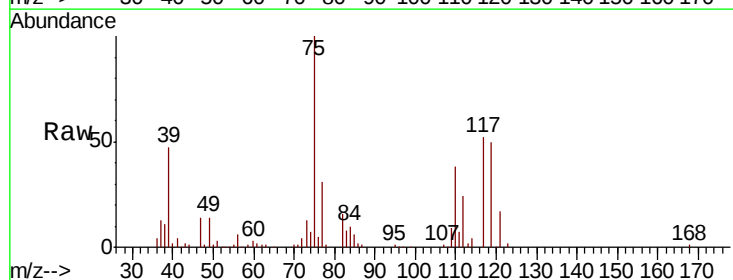
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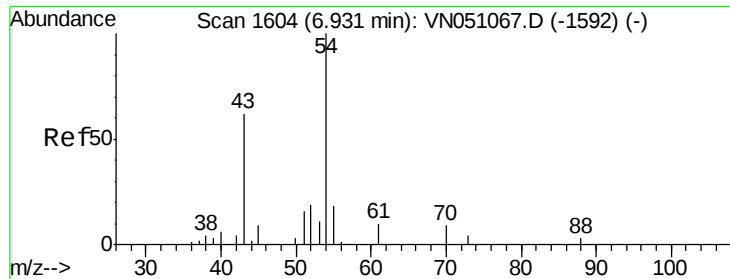
MMDadoda
 9/11/2018 9:40:47 AM



#36
 1,1-Dichloropropene
 Concen: 19.42 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	206557		
110	36.7	18.6	55.8	
77	30.8	25.2	37.8	





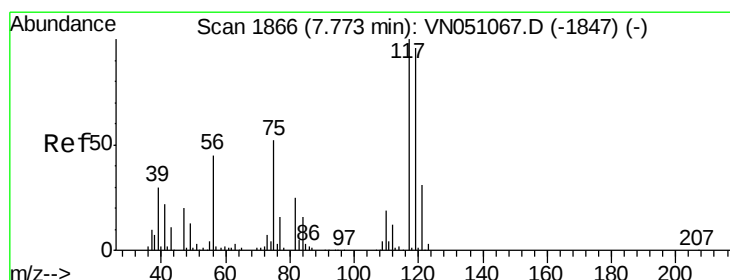
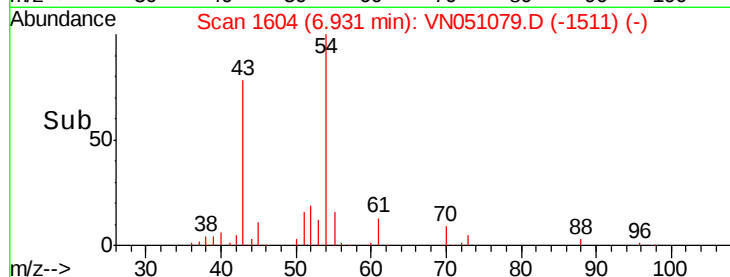
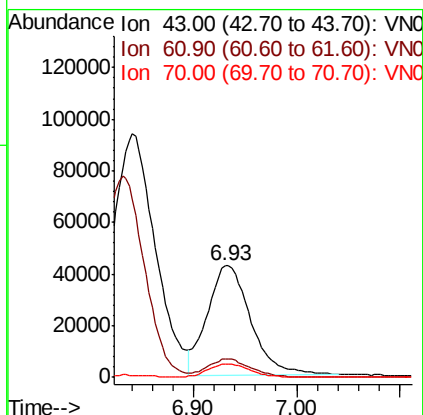
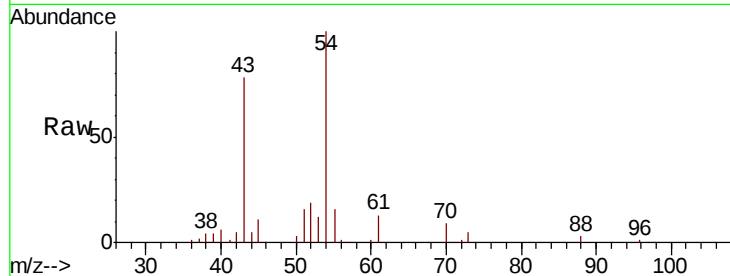
#37
Ethyl Acetate
Concen: 20.28 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.4	18.6
70	11.8	9.3	13.9

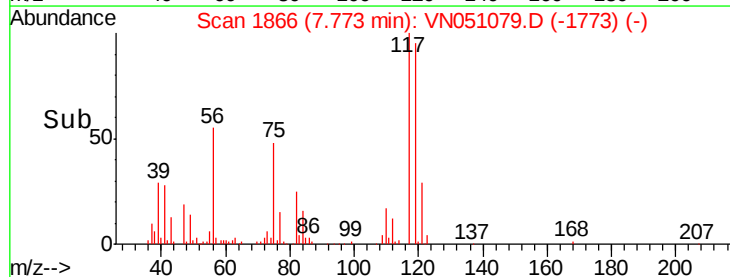
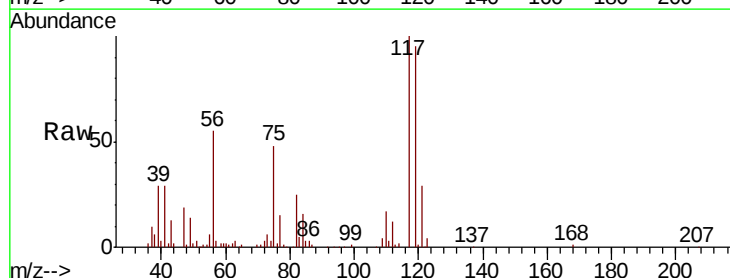
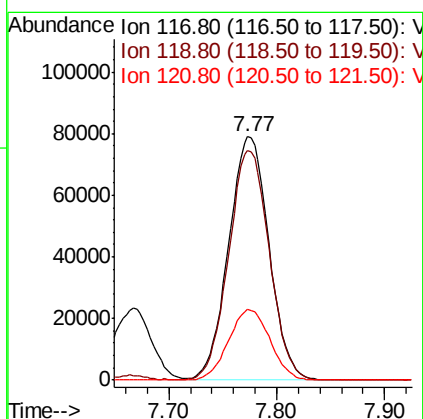
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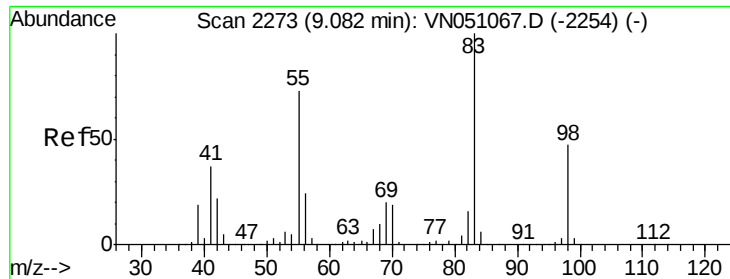
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.65 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.8	115.2
121	29.0	24.6	36.8





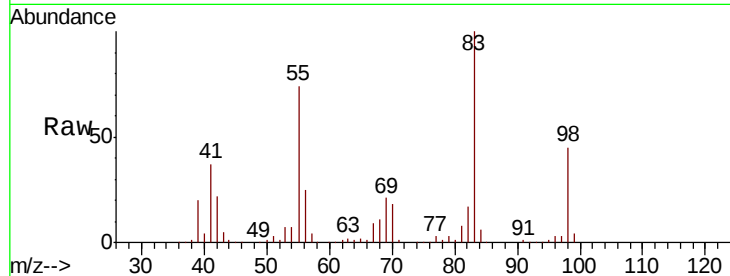
#39
Methvlcvclohexane
Concen: 19.14 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.4	87.6
98	45.2	37.3	55.9

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9/11/2018 9:40:47 AM

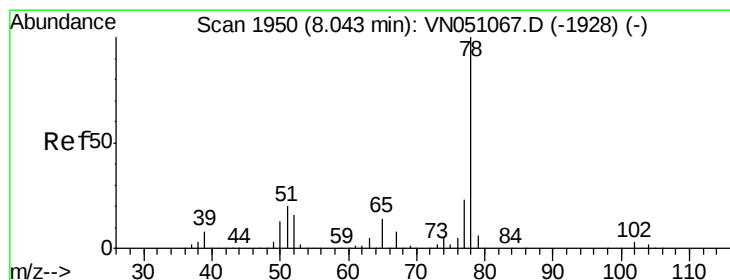
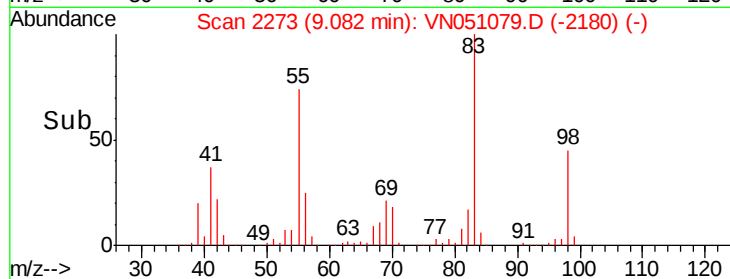
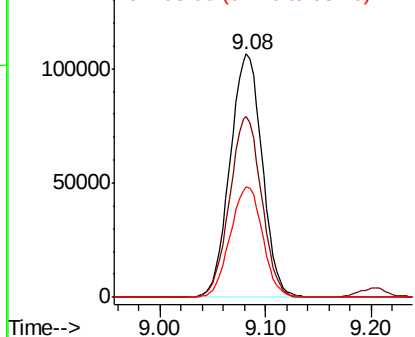


Abundance

Ion 83.00 (82.70 to 83.70): VN0

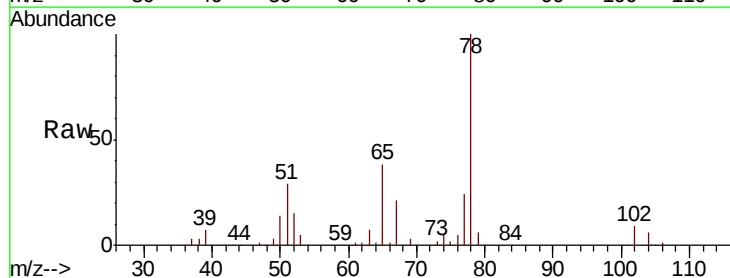
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.88 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

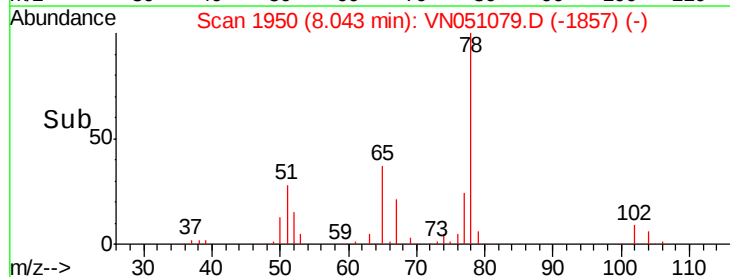
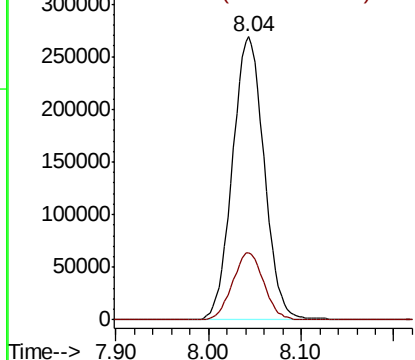
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	27.8

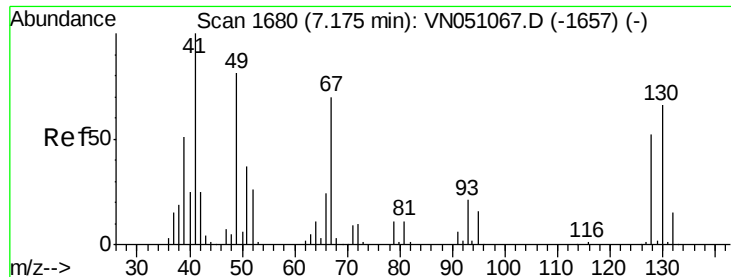


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





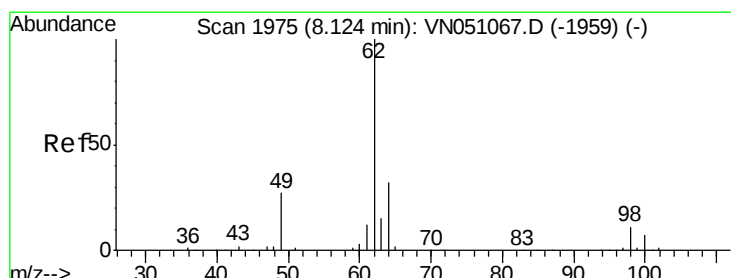
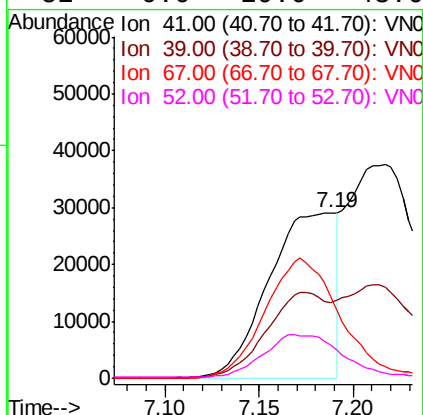
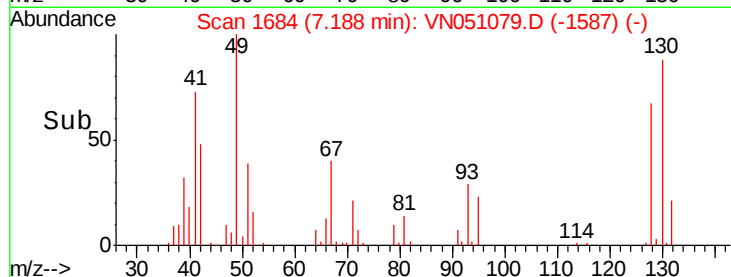
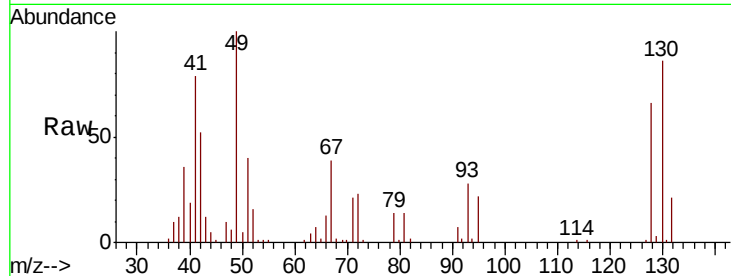
#41
Methacrylonitrile
Concen: 22.80 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 41 Resp: 72466
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 0.0 78.5 117.7#
52 0.0 29.0 43.6#

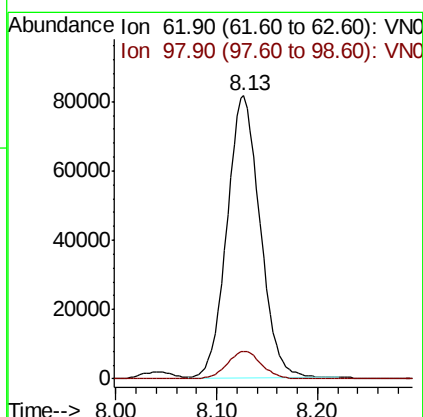
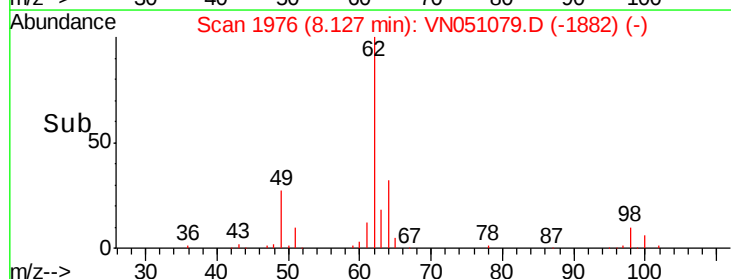
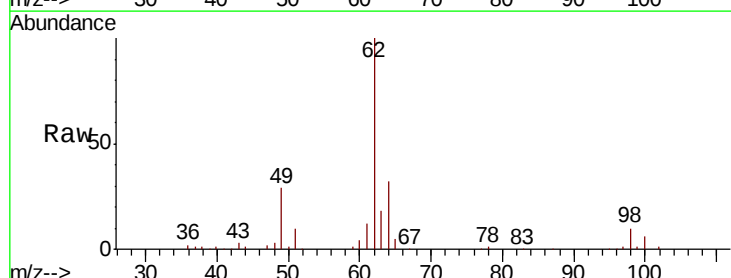
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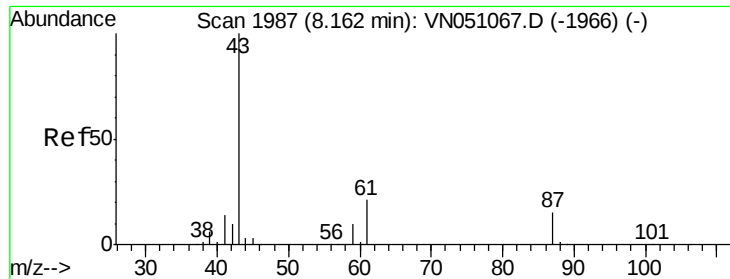
MMDadoda
9/11/2018 9:40:47 AM



#42
1,2-Dichloroethane
Concen: 19.95 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 62 Resp: 186418
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.0





#43

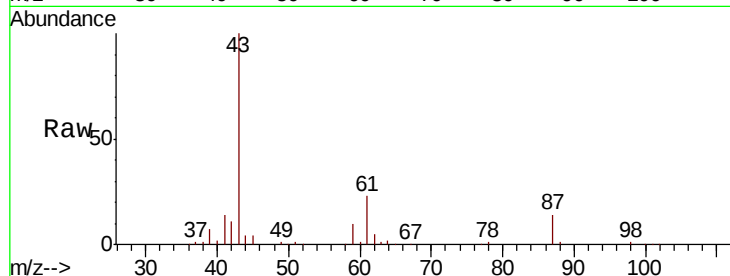
Isopropyl Acetate
 Concen: 19.98 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

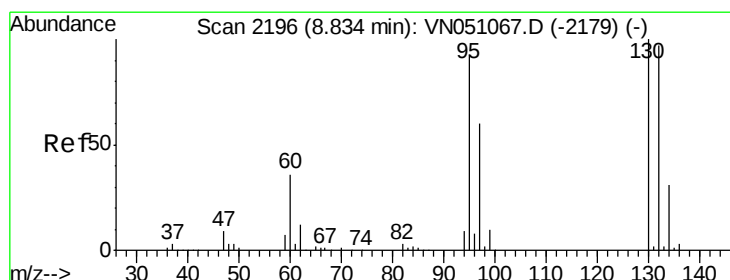
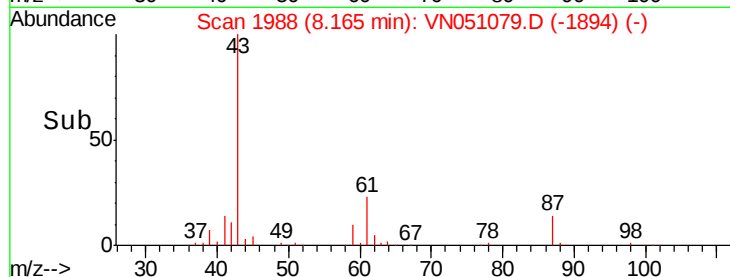
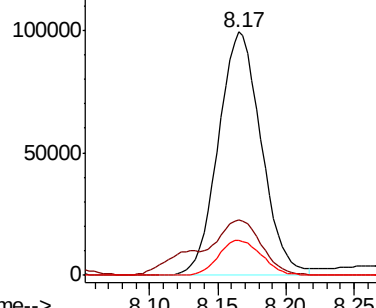
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	25.0	37.6
87	14.6	11.8	17.8

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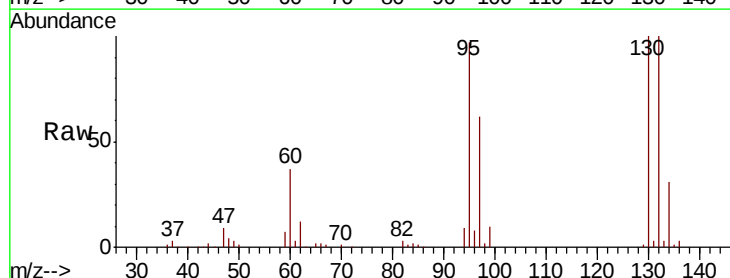
Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)
 Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)
 Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



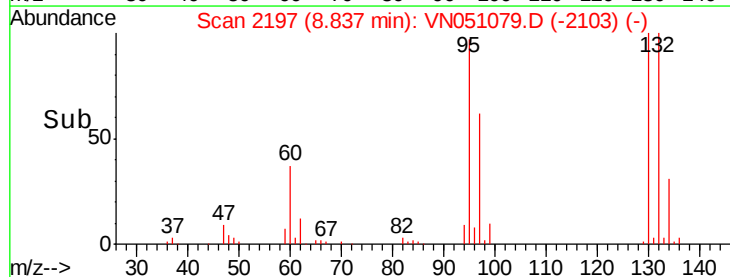
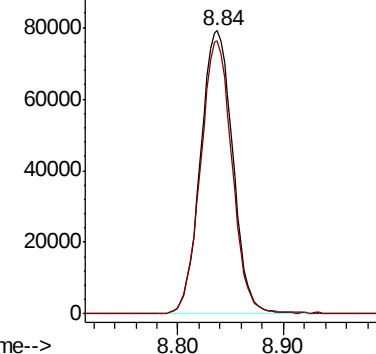
#44

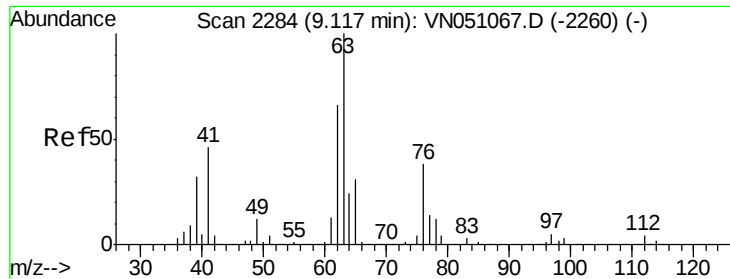
Trichloroethene
 Concen: 19.11 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.59 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion: 63 Resp: 162271

Ion Ratio Lower Upper

63 100

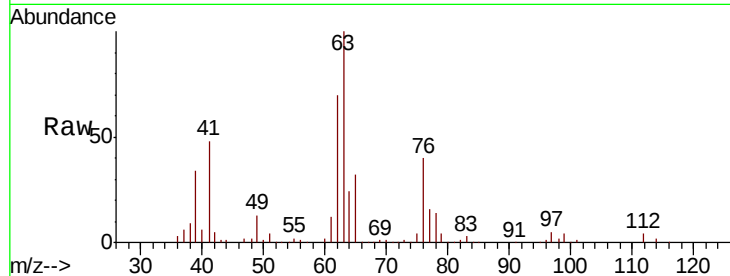
65 32.3 24.7 37.1

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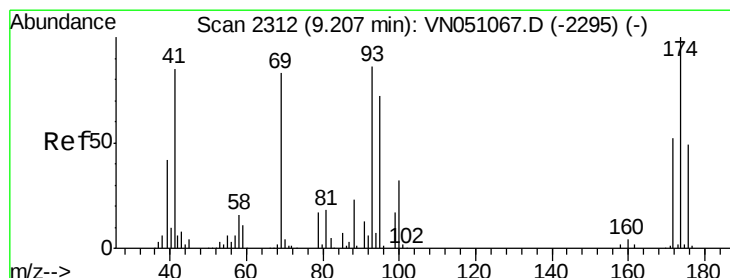
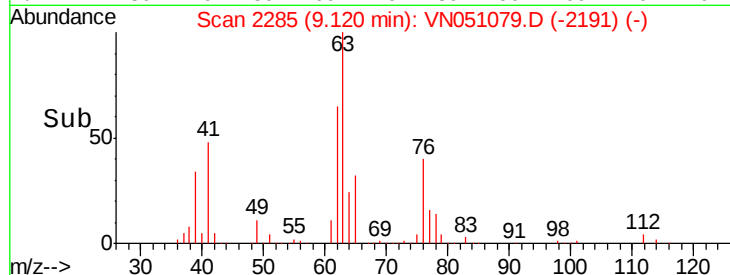
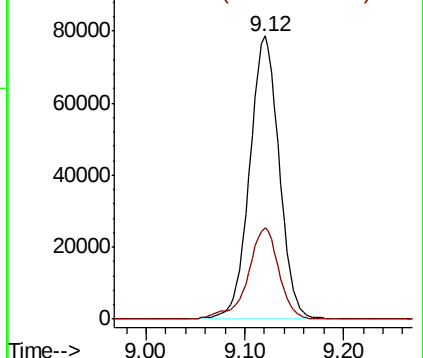
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.77 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

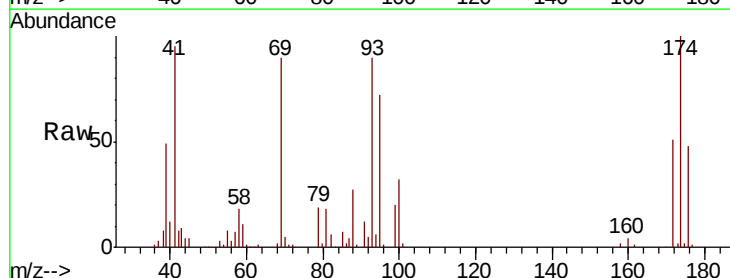
Tgt Ion: 93 Resp: 99918

Ion Ratio Lower Upper

93 100

95 82.6 66.8 100.2

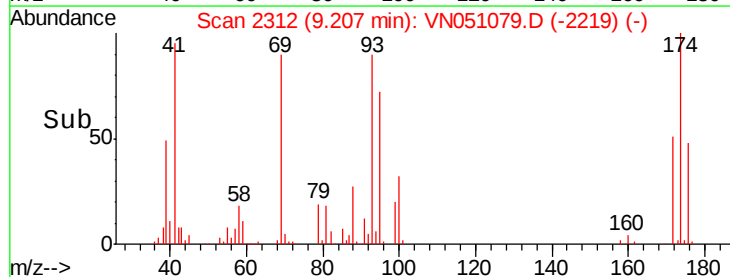
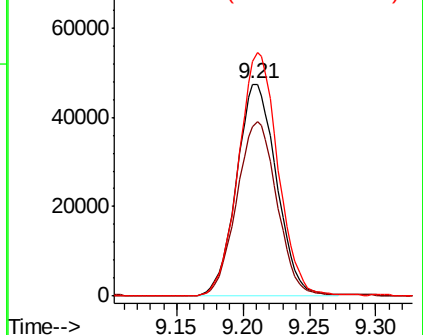
174 113.2 93.3 139.9

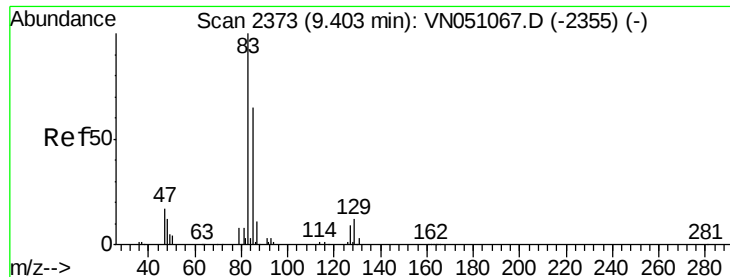


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.58 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

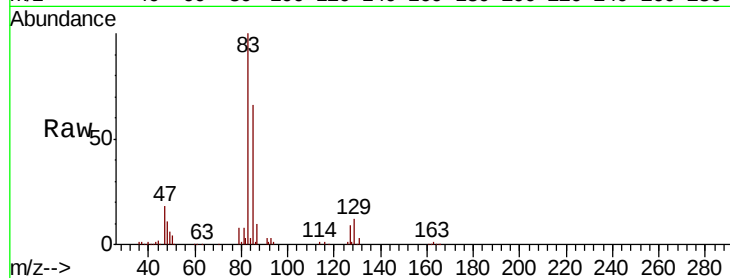
ClientSampleId :

VN0910WBS01

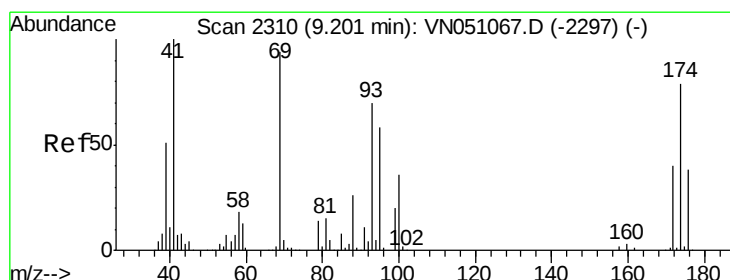
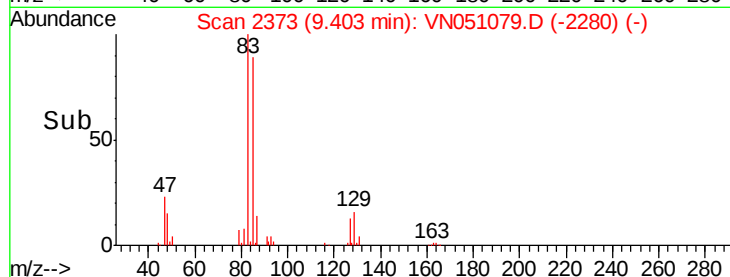
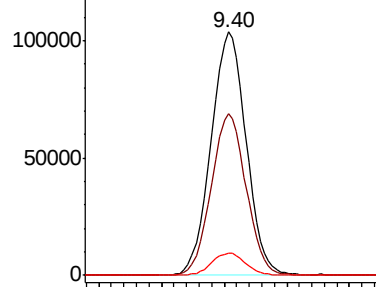
Tot Ion:	83	Resp:	201219
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.3	78.5
127	9.4	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-2355) (-)



#48

Methyl methacrylate

Concen: 19.90 ug/l

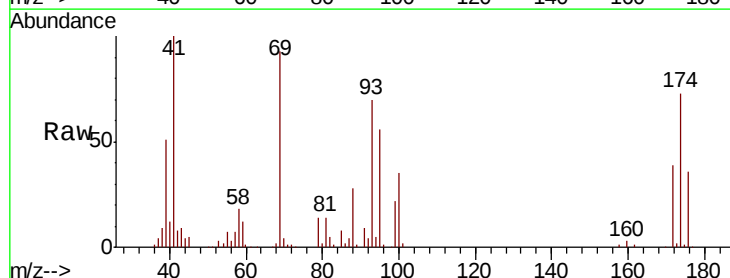
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

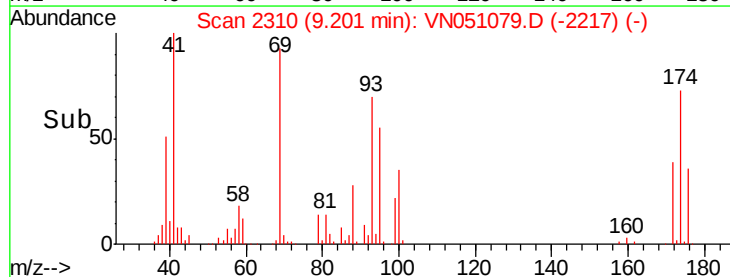
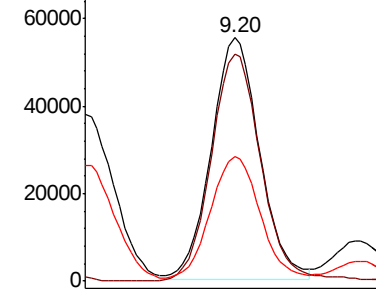
Lab File: VN051079.D

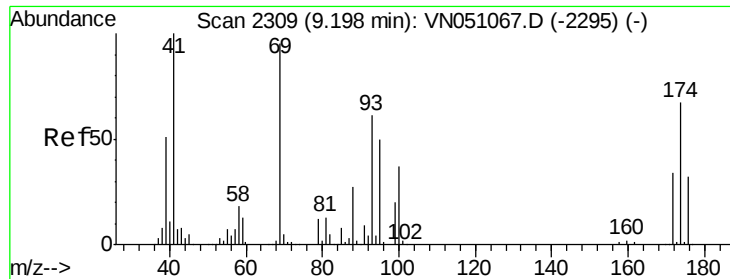
Acq: 10 Sep 2018 15:45

Tgt Ion:	41	Resp:	105399
Ion Ratio	Lower	Upper	
41	100		
69	96.5	77.7	116.5
39	52.8	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN051067.D (-2297) (-)





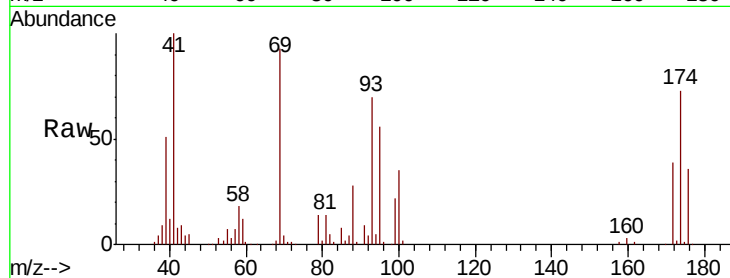
#49
1,4-Dioxane
Concen: 395.36 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.7	35.5
58	67.5	54.6	82.0

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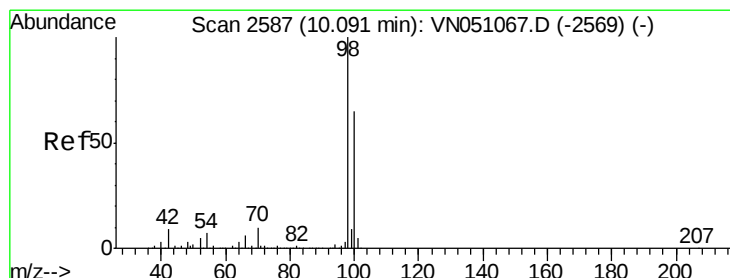
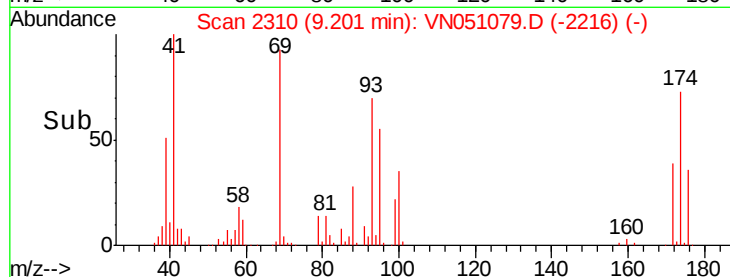
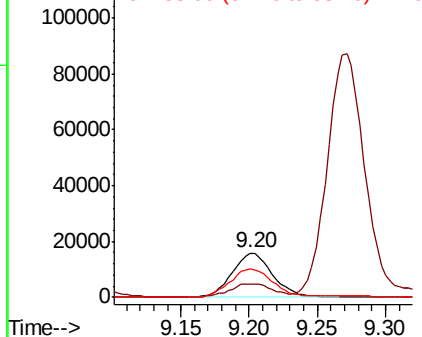


Abundance

Ion 88.00 (87.70 to 88.70): VN0

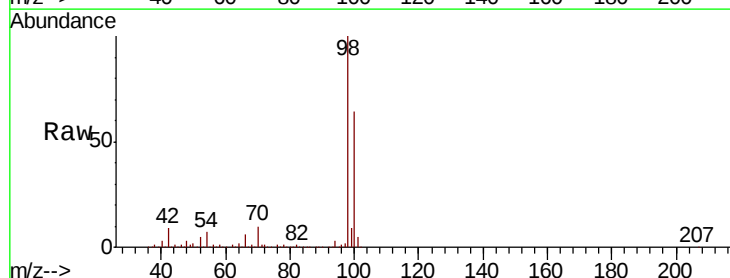
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.17 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

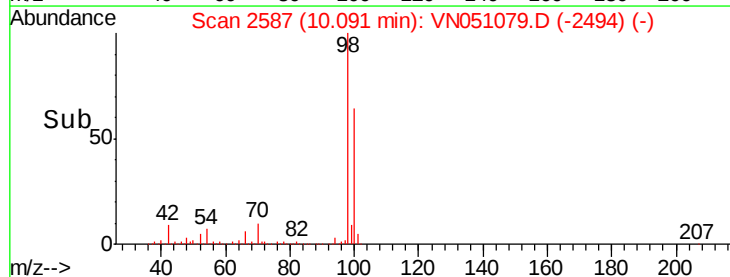
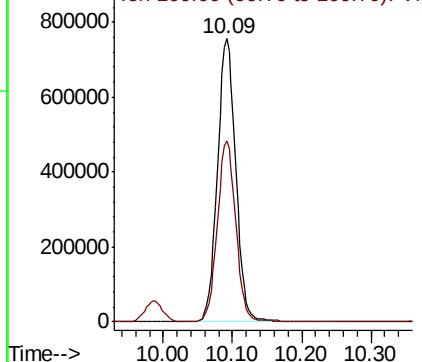
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

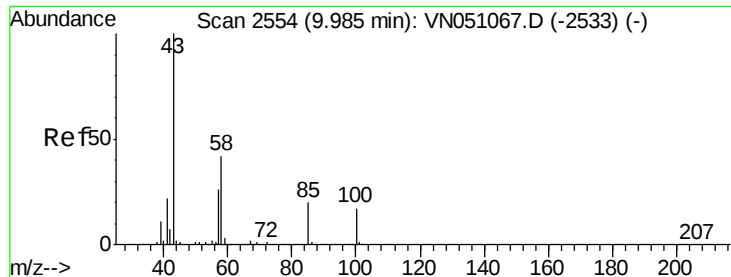


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





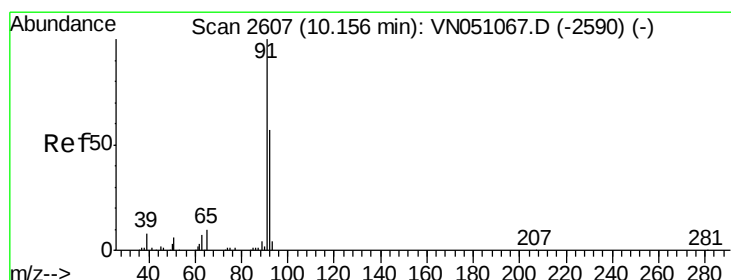
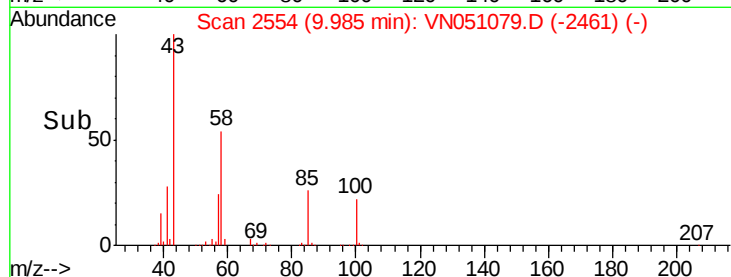
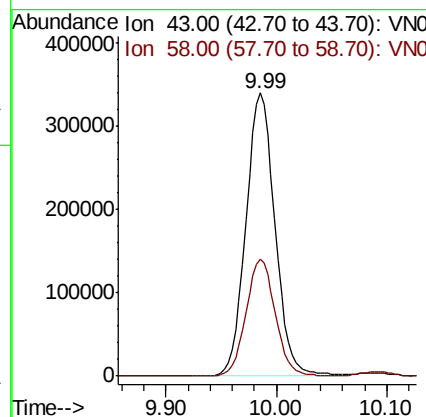
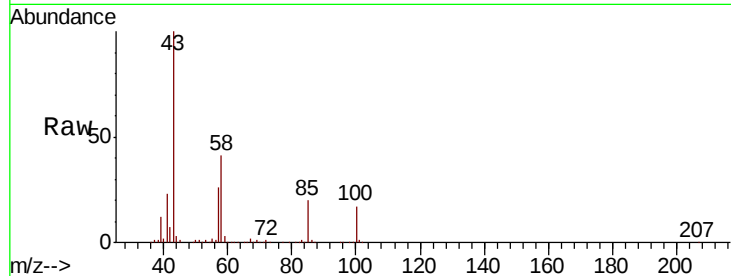
#51
4-Methyl-2-Pentanone
Concen: 103.22 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.5	50.3

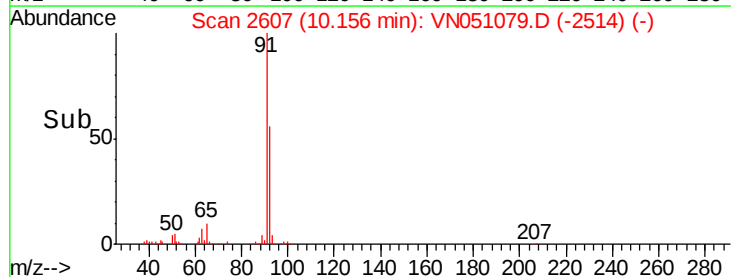
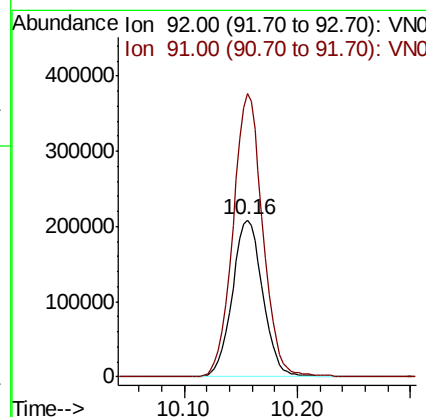
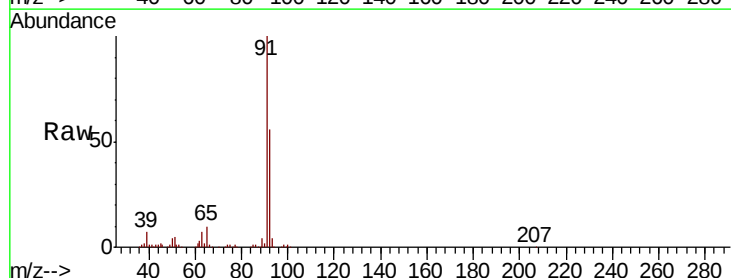
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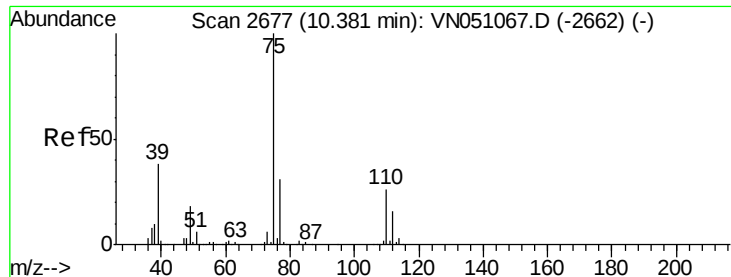
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#52
Toluene
Concen: 19.99 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.4	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 19.21 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 75 Resp: 197558

Ion Ratio Lower Upper

75 100

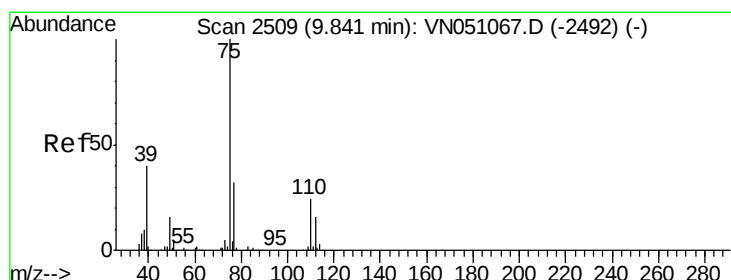
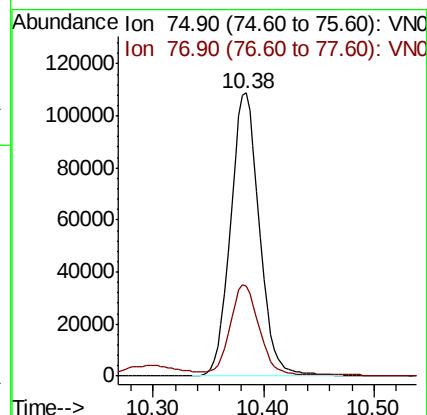
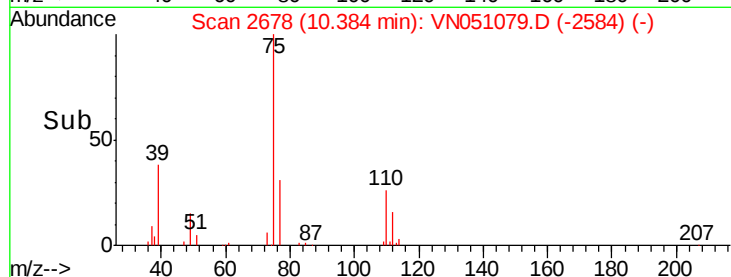
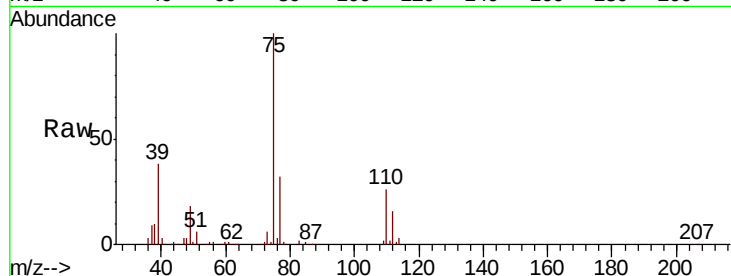
77 31.1 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

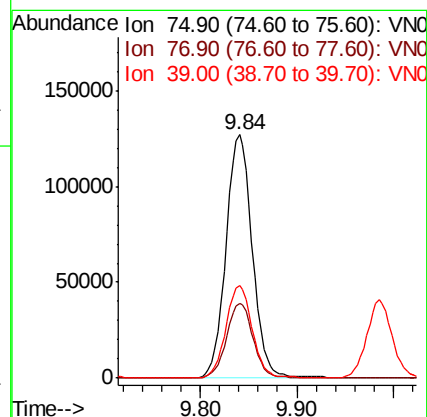
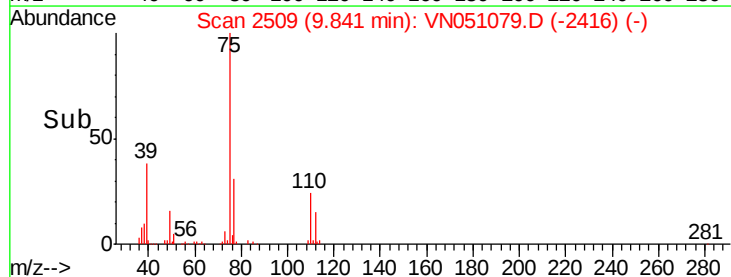
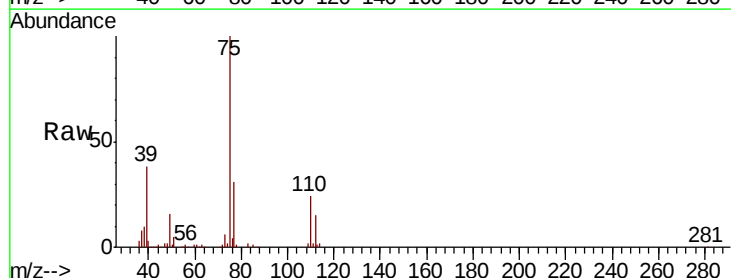
Tgt Ion: 75 Resp: 240024

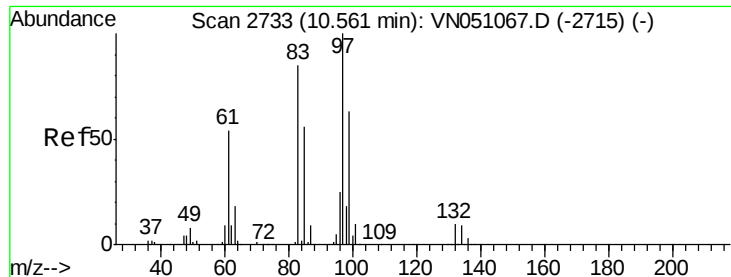
Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

39 37.9 31.9 47.9





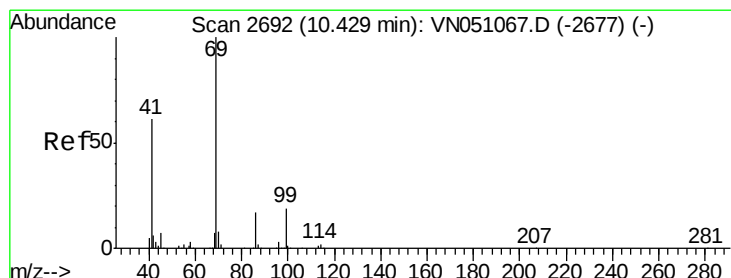
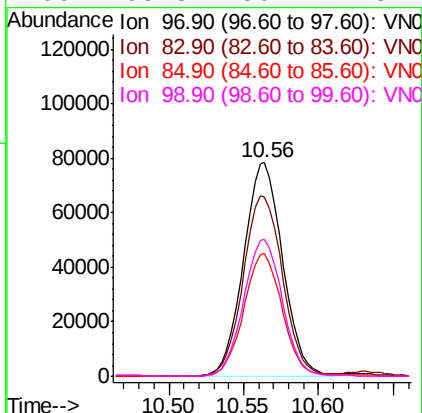
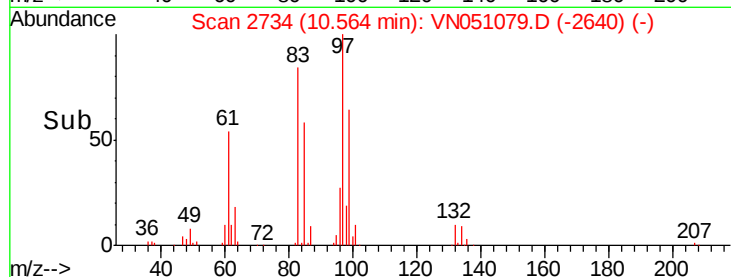
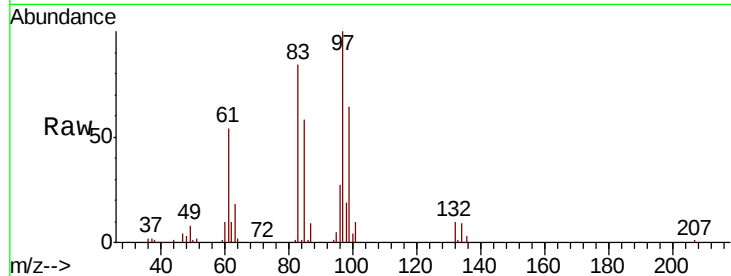
#55
 1,1,2-Trichloroethane
 Concen: 20.13 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910WBS01

Tot Ion:	97	Resp:	142942
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.2
85	57.5	44.8	67.2
99	63.8	50.2	75.4

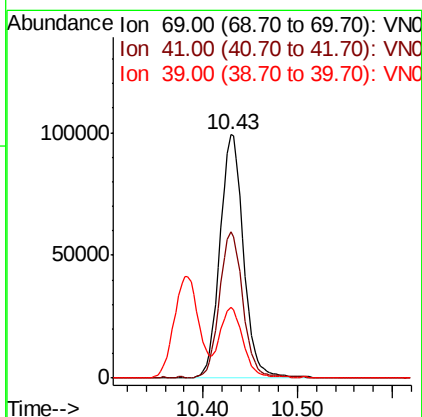
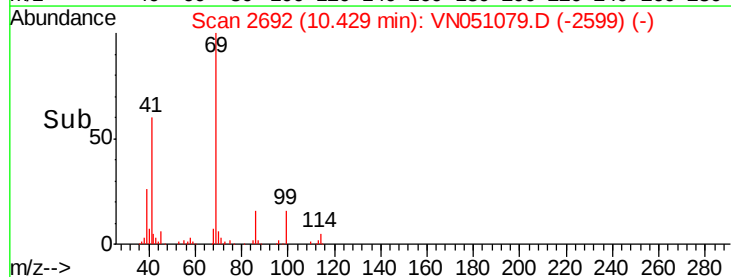
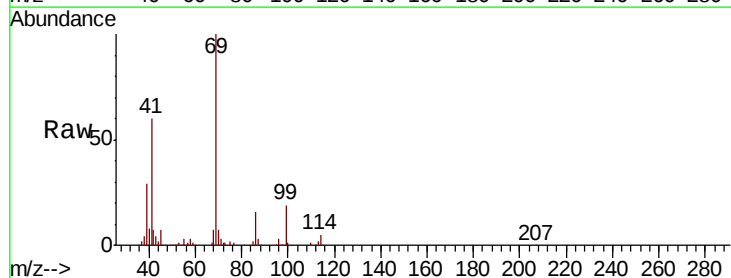
Manual Integrations
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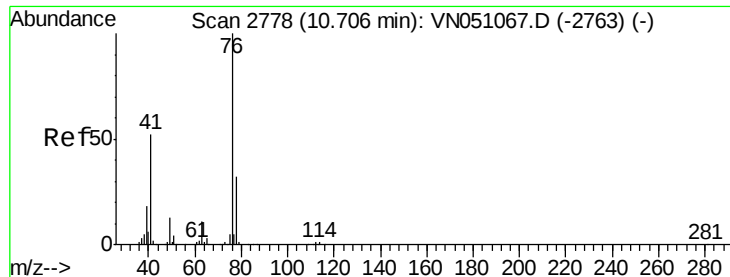
MMDadoda
 9/11/2018 9:40:47 AM



#56
 Ethyl methacrylate
 Concen: 19.63 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion:	69	Resp:	172046
Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.8	71.8
39	28.0	23.0	34.4





#57

1,3-Dichloropropane

Concen: 20.17 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 76 Resp: 237443

Ion Ratio Lower Upper

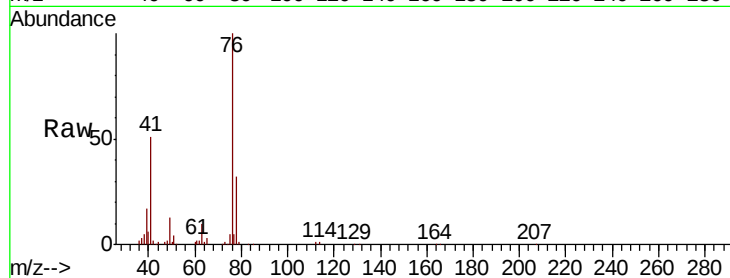
76 100

78 32.2 26.1 39.1

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

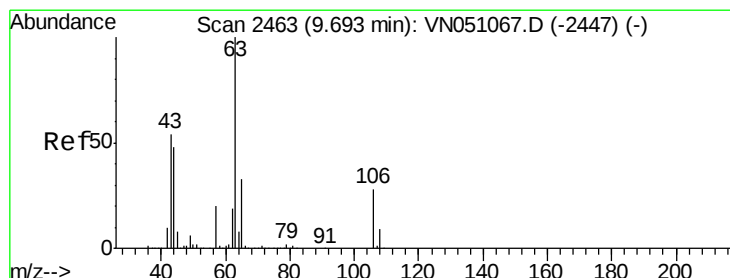
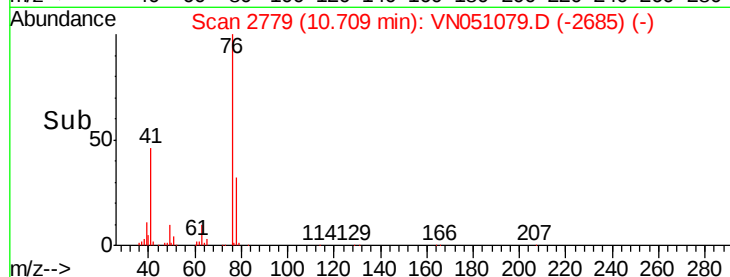
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 96.58 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051079.D

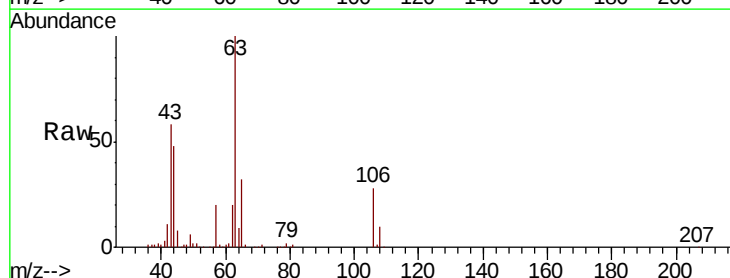
Acq: 10 Sep 2018 15:45

Tgt Ion: 63 Resp: 346937

Ion Ratio Lower Upper

63 100

106 27.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

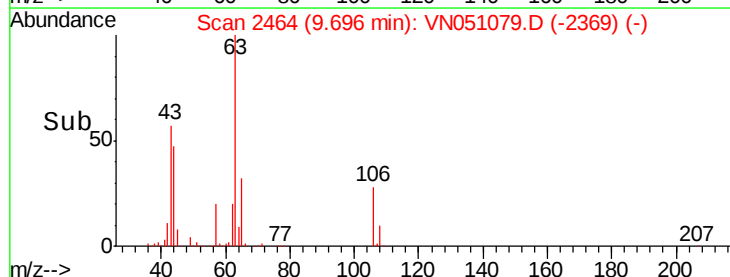
150000

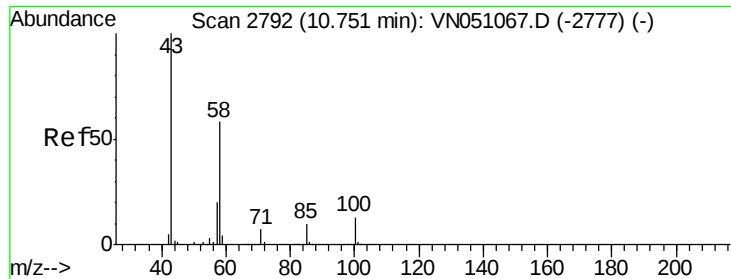
100000

50000

0

Time--> 9.60 9.70 9.80





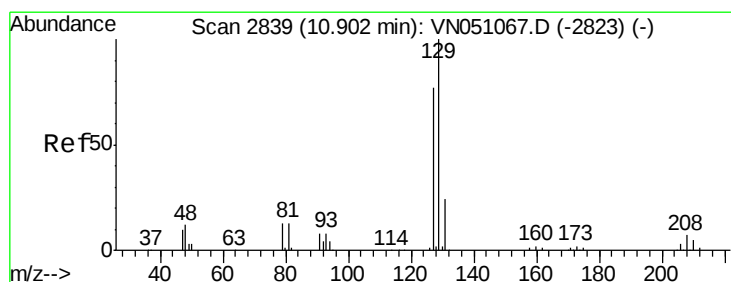
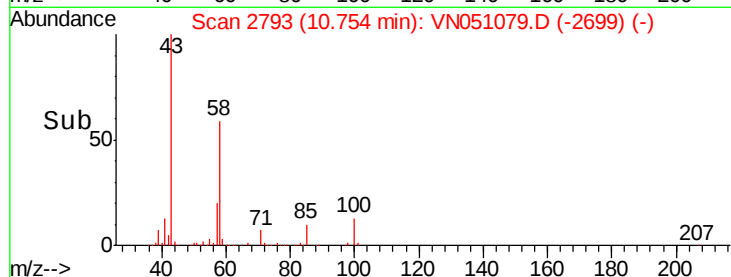
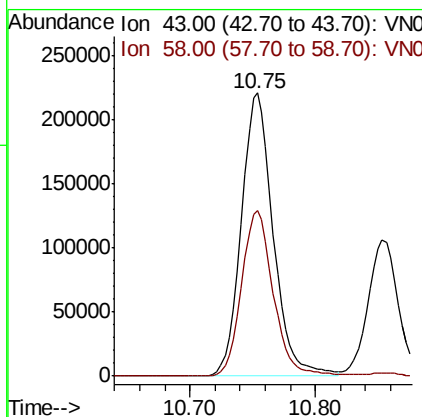
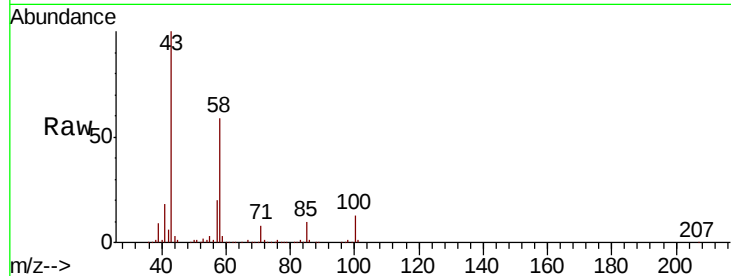
#59
2-Hexanone
Concen: 95.54 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 43 Resp: 389450
Ion Ratio Lower Upper
43 100
58 58.5 29.3 88.0

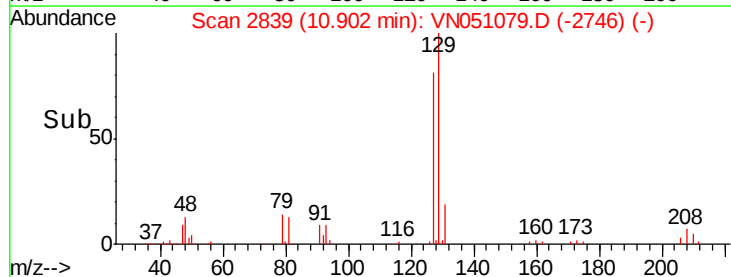
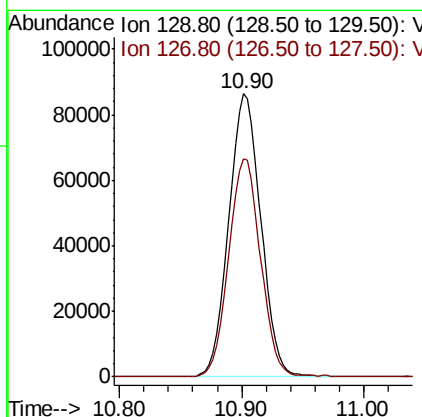
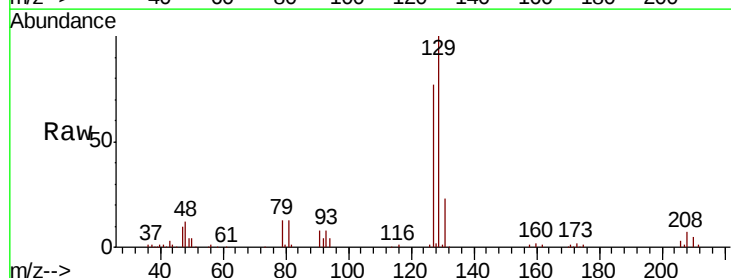
Manual Integrations
APPROVED

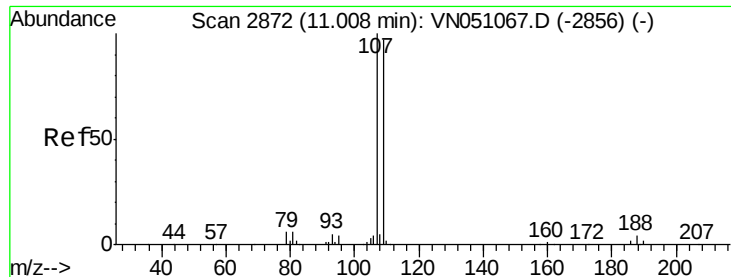
MMDadoda
9/11/2018 9:40:47 AM



#60
Dibromochloromethane
Concen: 19.79 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 129 Resp: 158352
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





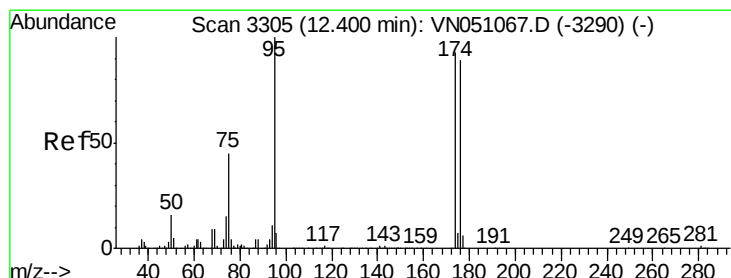
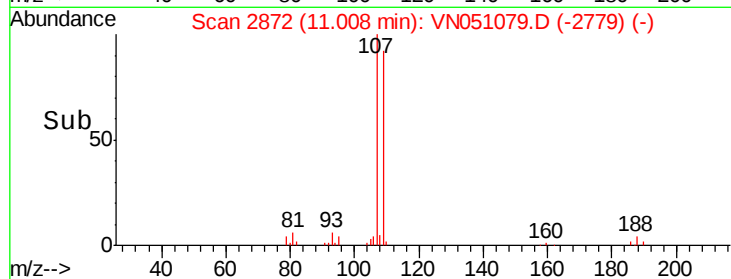
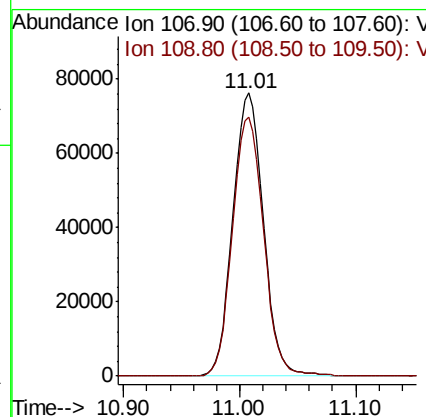
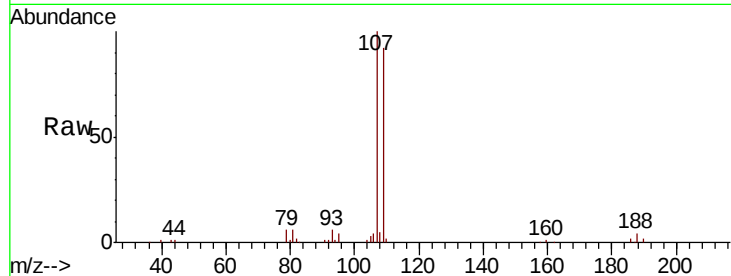
#61
 1,2-Dibromoethane
 Concen: 19.96 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.0	114.0

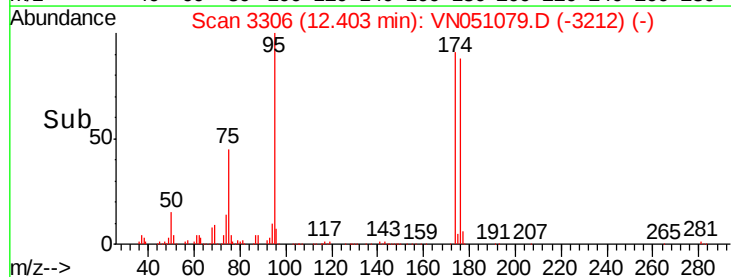
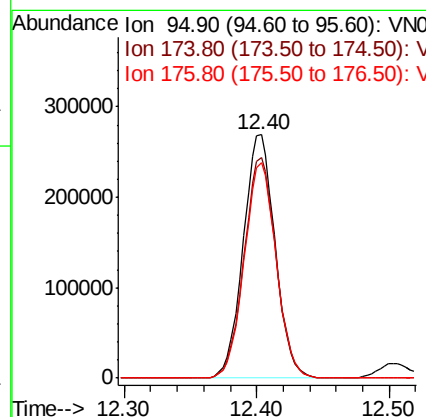
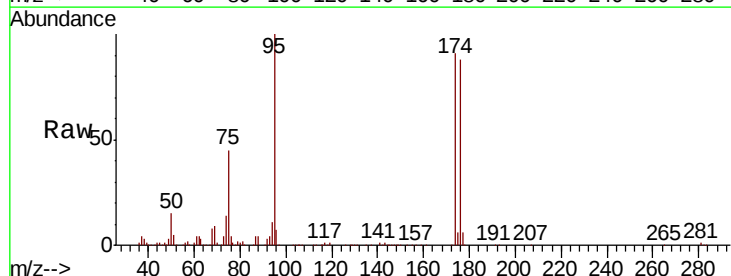
Manual Integrations
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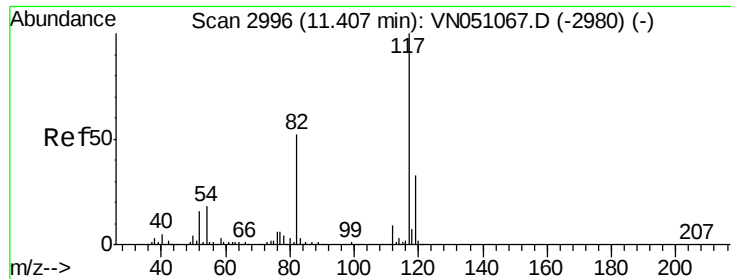
MMDadoda
 9/11/2018 9:40:47 AM



#62
 4-Bromofluorobenzene
 Concen: 49.02 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	184.8
176	88.9	0.0	178.6





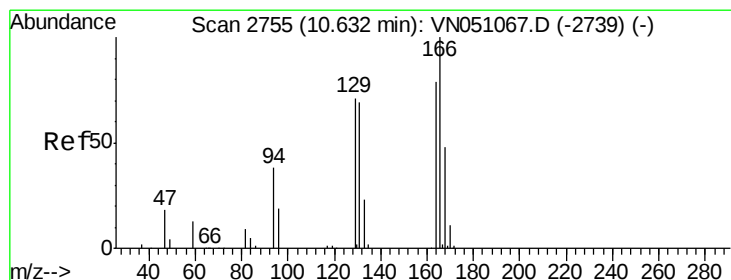
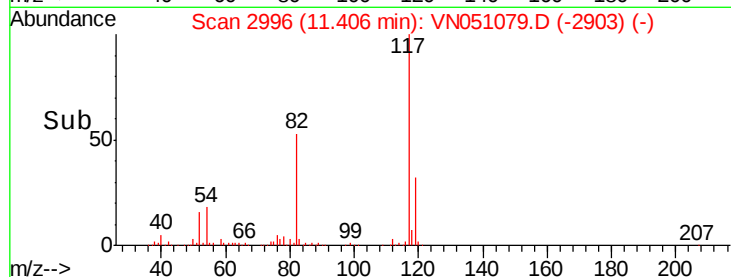
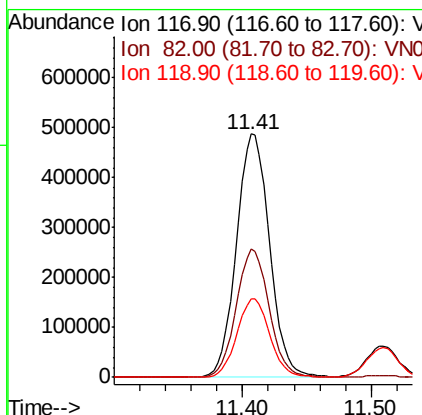
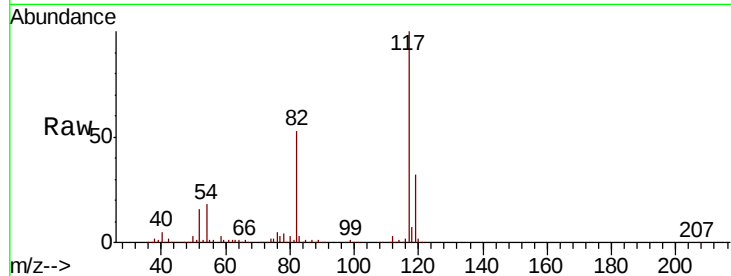
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	874012		
82	52.6		41.8	62.6
119	32.3		26.2	39.2

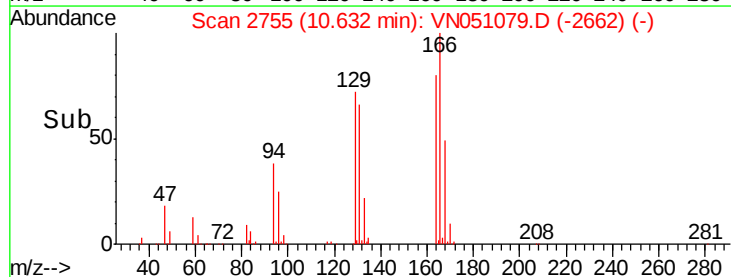
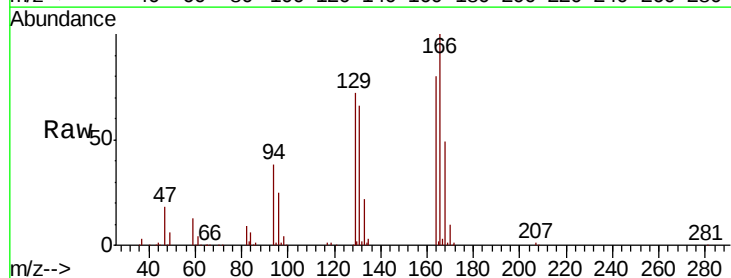
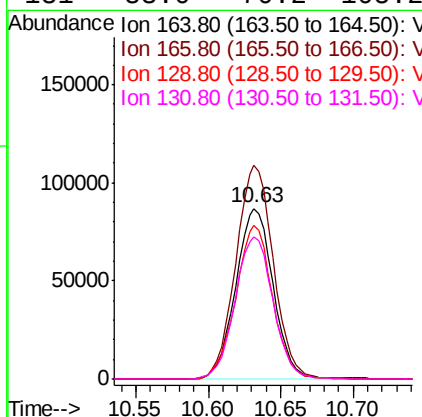
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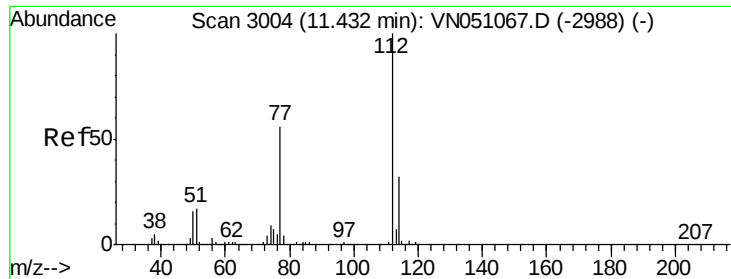
MMDadoda
9/11/2018 9:40:47 AM



#64
Tetrachloroethene
Concen: 19.50 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155531		
166	125.0		101.3	151.9
129	89.9		72.2	108.2
131	83.0		70.2	105.2





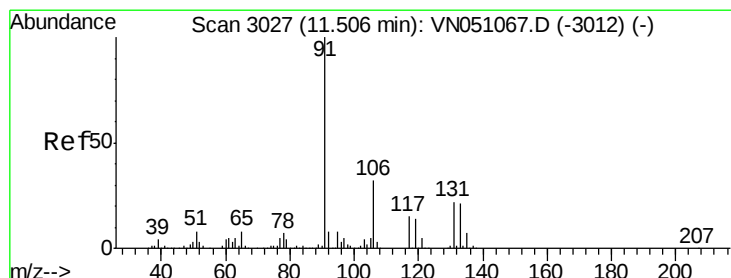
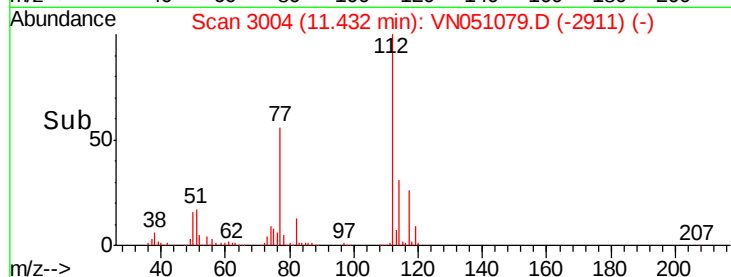
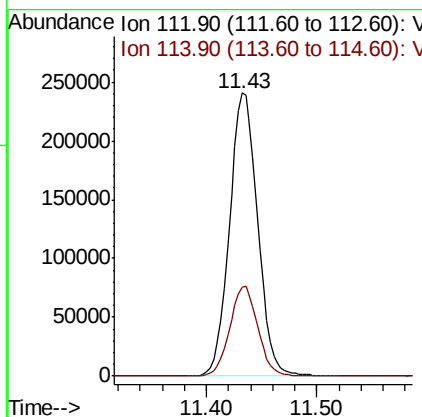
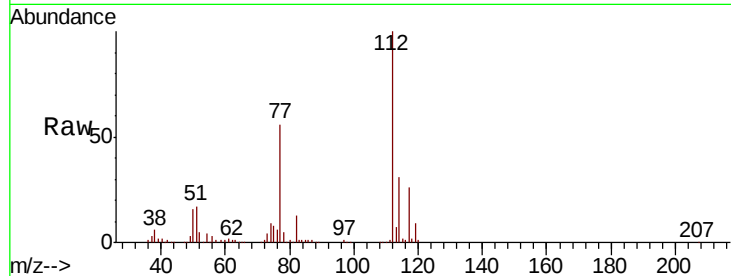
#65
Chlorobenzene
Concen: 19.35 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6

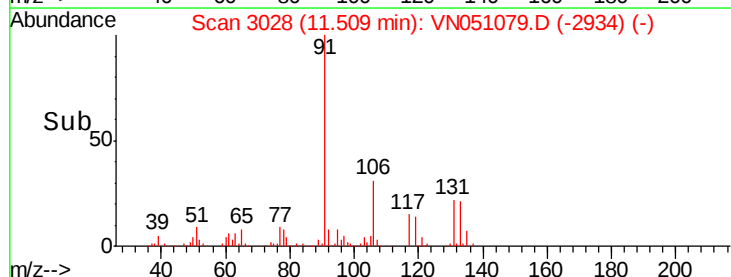
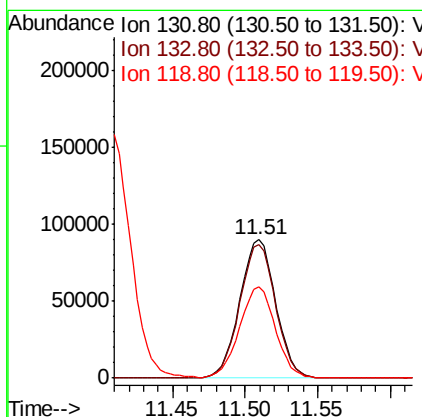
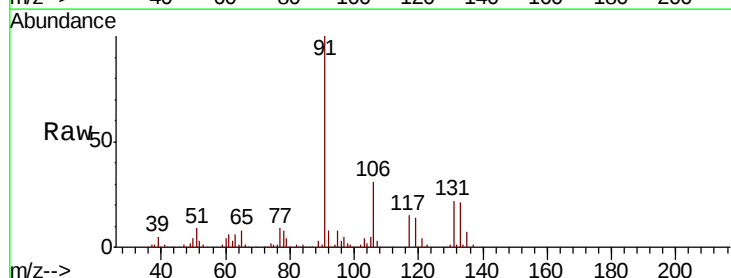
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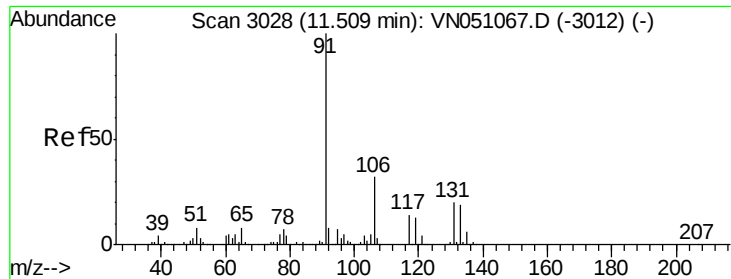
MMDadoda
9/11/2018 9:40:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.59 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.5	142.6
119	66.2	33.2	99.6





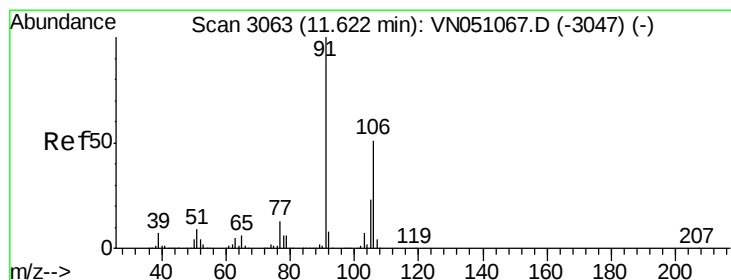
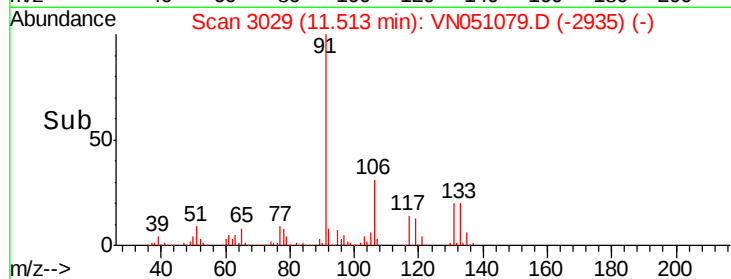
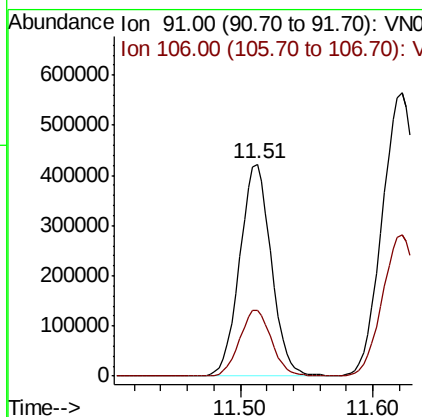
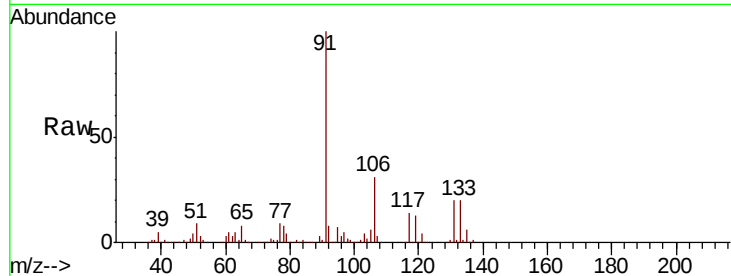
#67
Ethyl Benzene
Concen: 19.56 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 91 Resp: 697916
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2

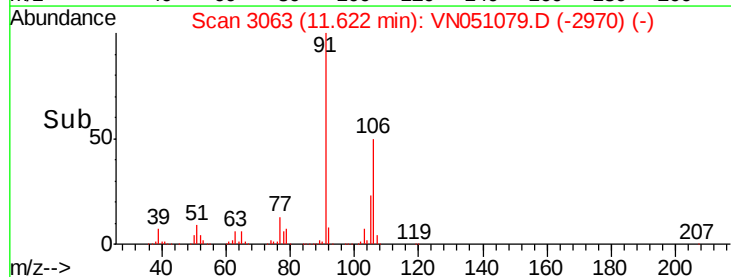
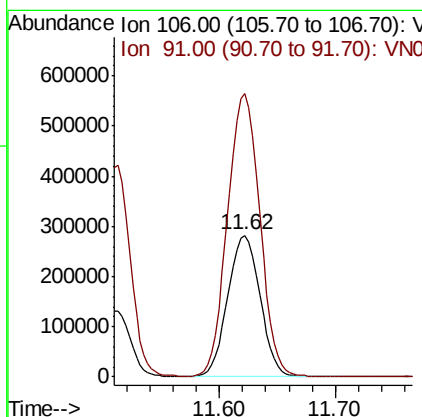
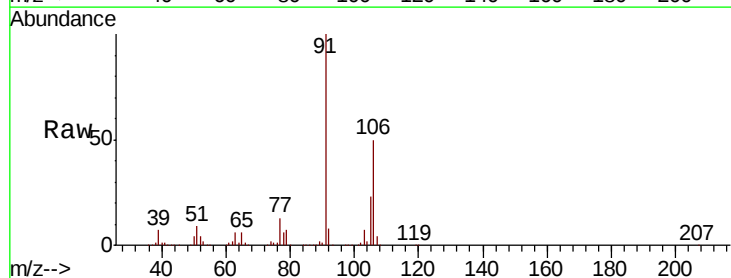
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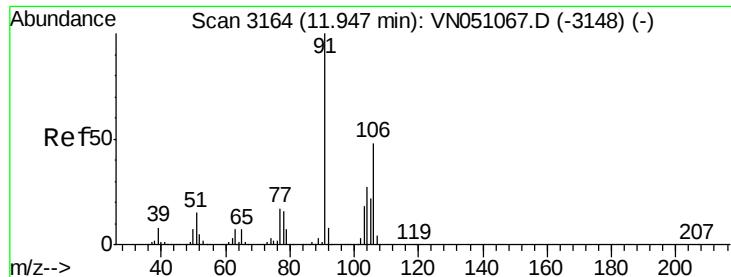
MMDadoda
9/11/2018 9:40:47 AM



#68
m/p-Xylenes
Concen: 39.84 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion: 106 Resp: 546126
Ion Ratio Lower Upper
106 100
91 200.0 159.8 239.6





#69

o-Xylene

Concen: 19.87 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion:106 Resp: 263756

Ion Ratio Lower Upper

106 100

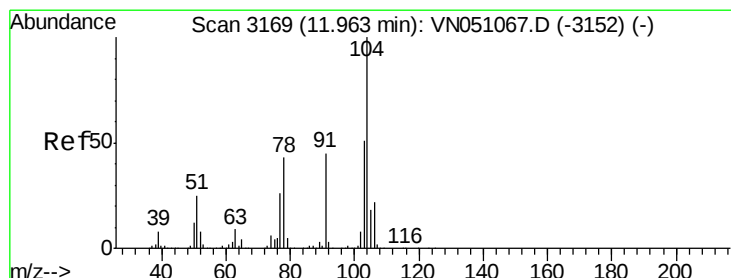
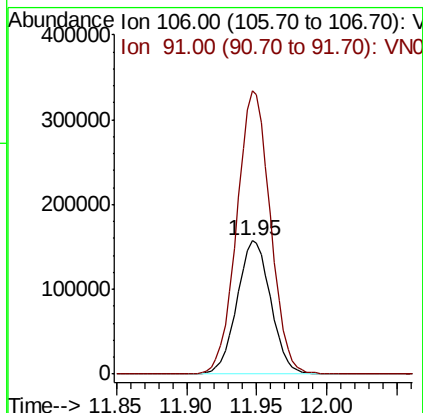
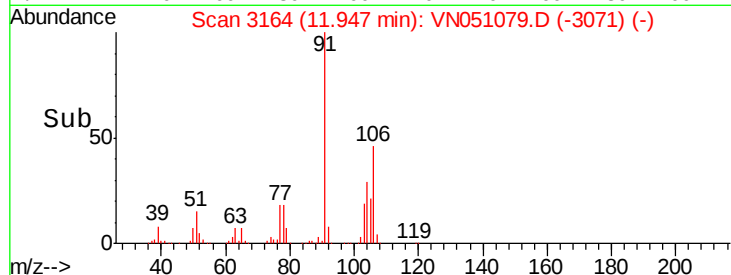
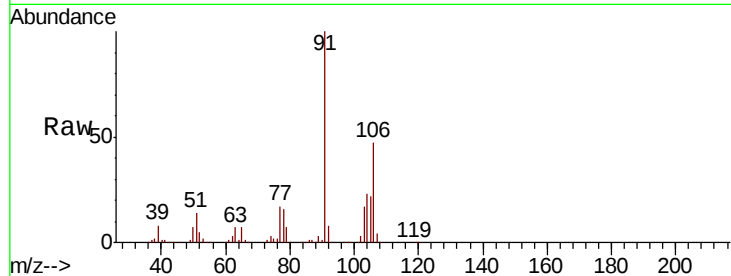
91 211.4 105.1 315.1

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9/11/2018 9:40:47 AM



#70

Styrene

Concen: 20.21 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

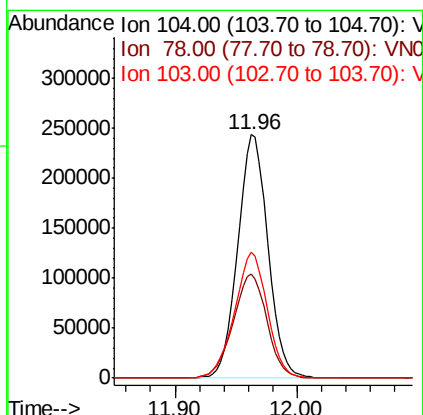
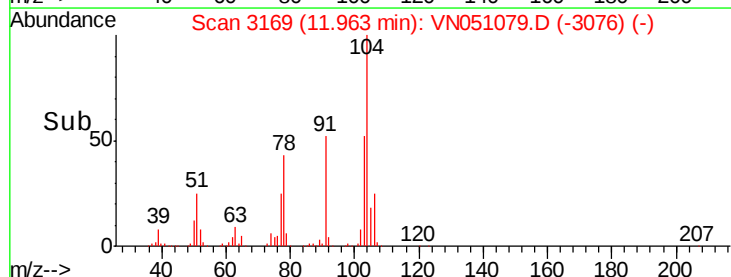
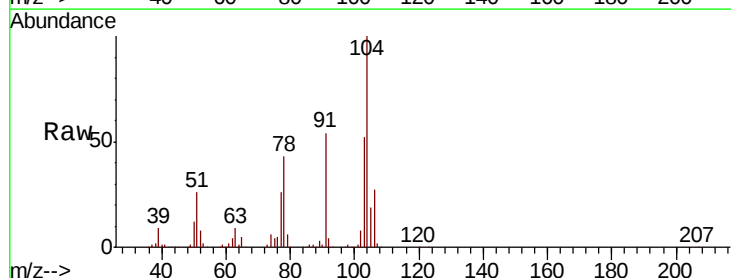
Tgt Ion:104 Resp: 416235

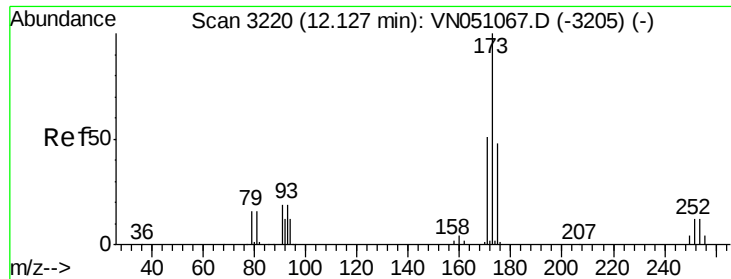
Ion Ratio Lower Upper

104 100

78 48.0 37.7 56.5

103 56.2 44.6 67.0





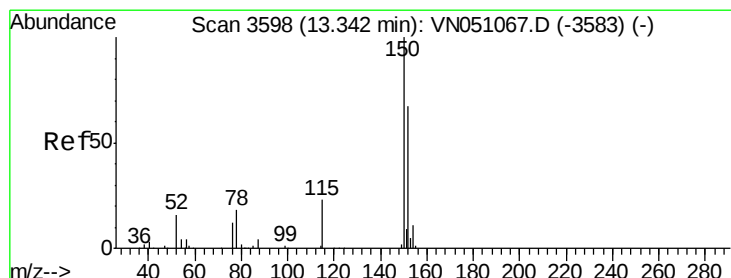
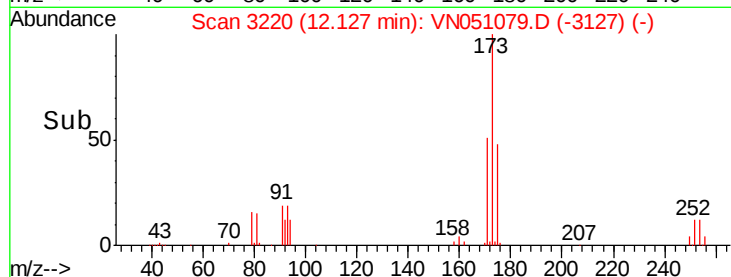
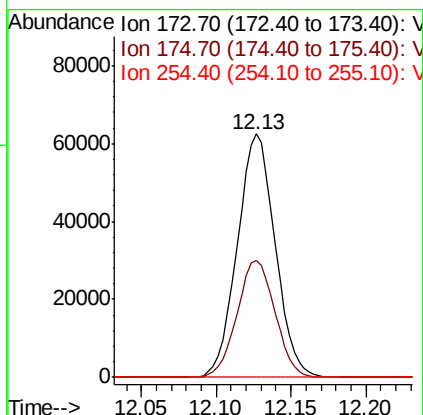
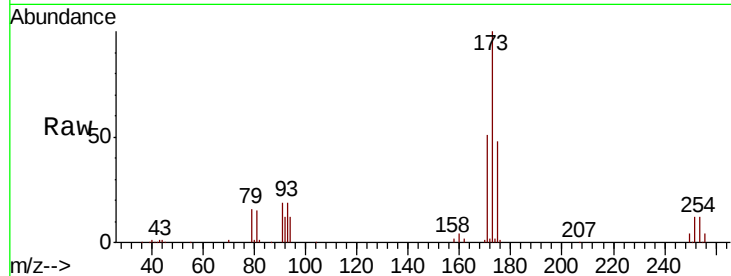
#71
Bromoform
Concen: 19.67 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.1	0.0	0.0

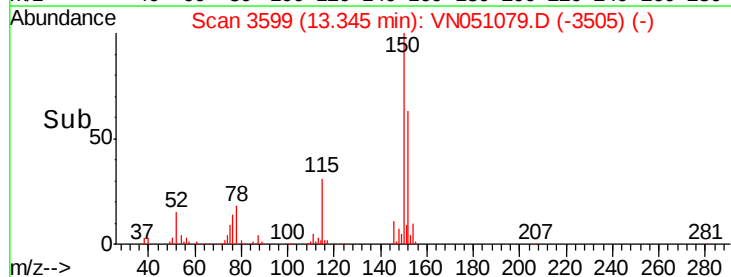
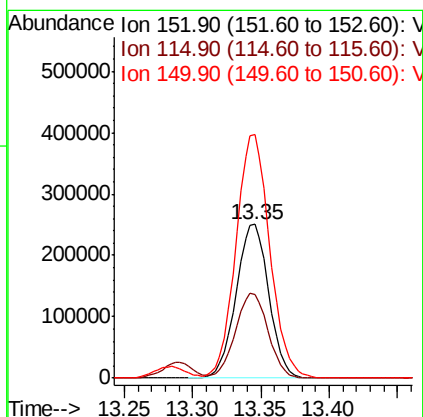
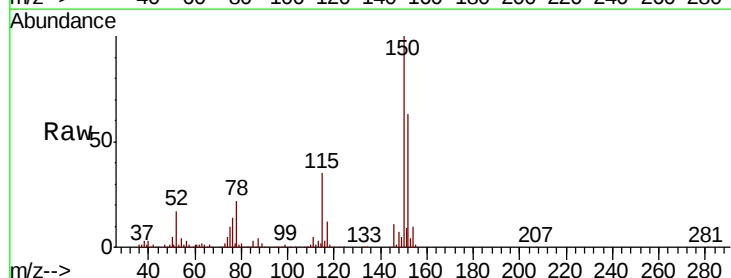
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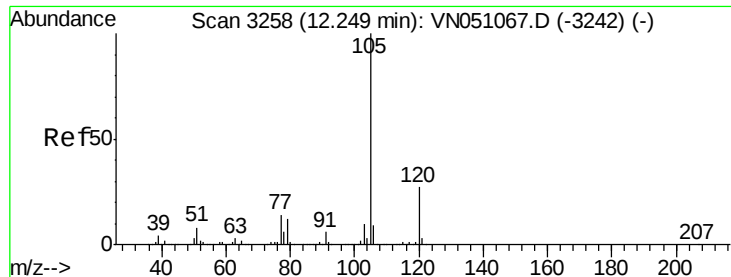
MMDadoda
9/11/2018 9:40:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.2	84.7
150	163.9	0.0	349.0





#73

Isopropylbenzene

Concen: 19.76 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion:105 Resp: 689824

Ion Ratio Lower Upper

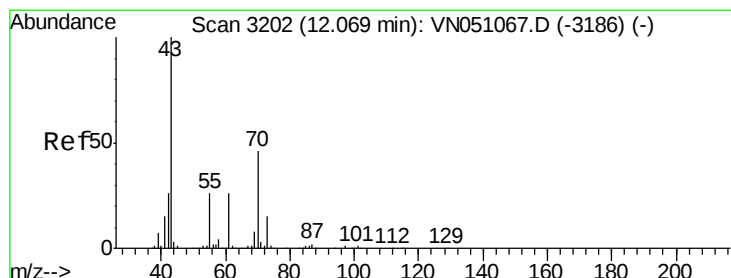
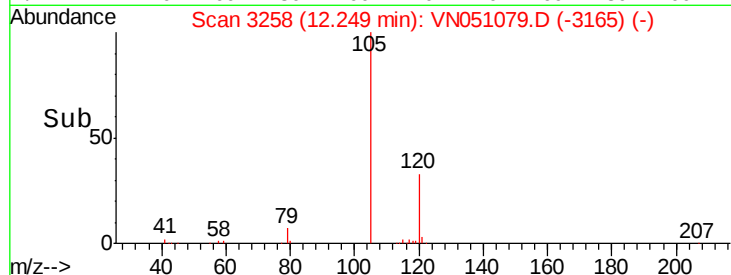
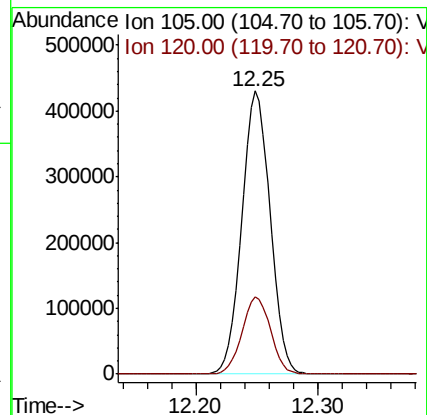
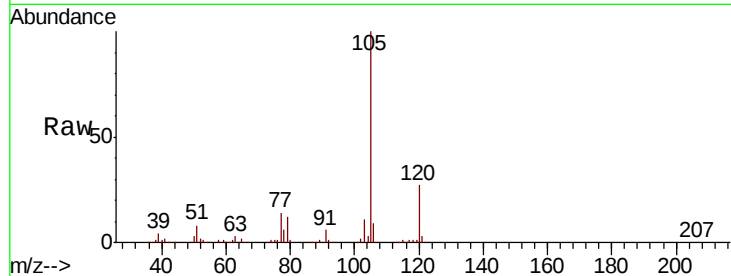
105 100

120 27.4 13.6 40.7

Manual Integrations
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MMDadoda

9/11/2018 9:40:47 AM



#74

N-ethyl acetate

Concen: 19.23 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion: 43 Resp: 168942

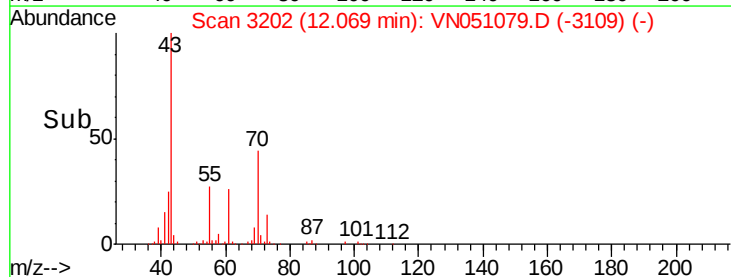
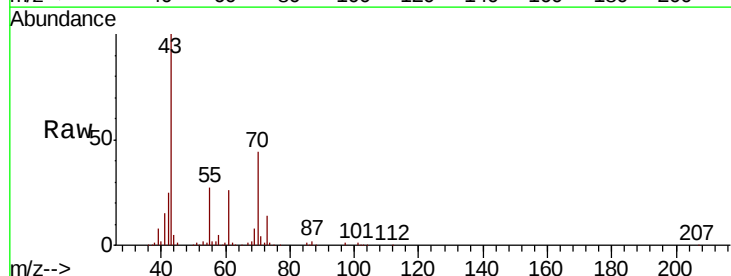
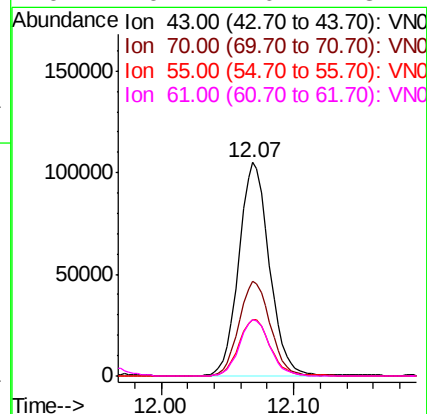
Ion Ratio Lower Upper

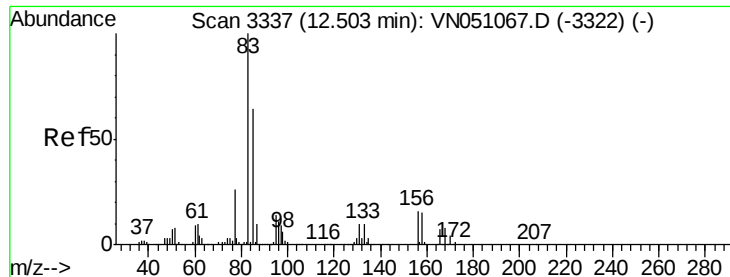
43 100

70 45.2 37.0 55.4

55 27.3 21.3 31.9

61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.44 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion: 83 Resp: 178972

Ion Ratio Lower Upper

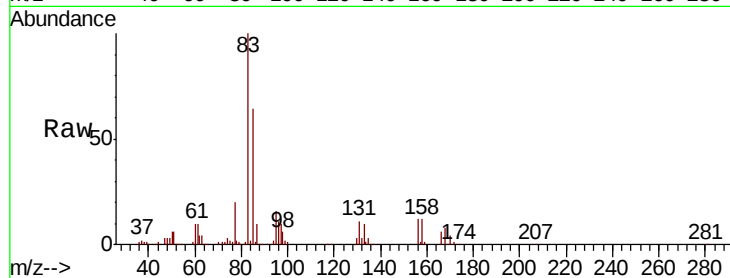
83 100

131 10.7 5.3 16.1

85 64.8 32.3 96.8

Manual Integrations
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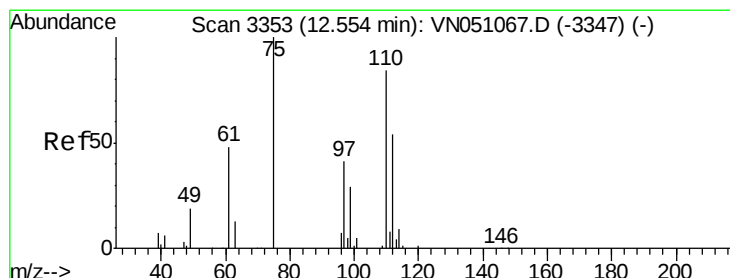
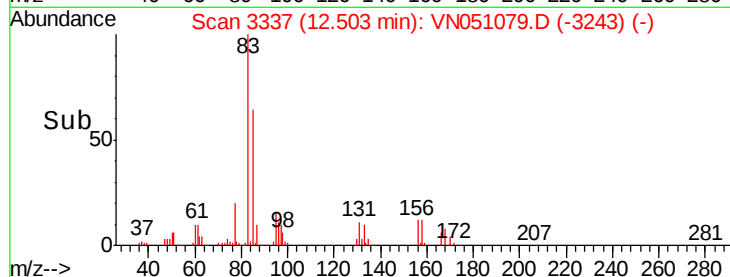
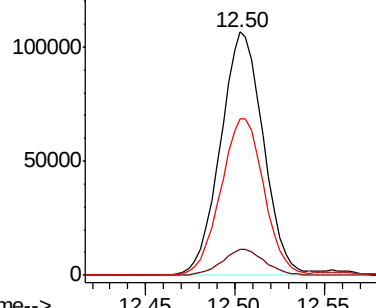
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051067.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 24.20 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051079.D

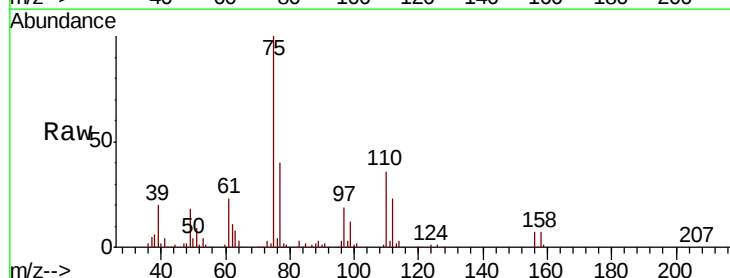
Acq: 10 Sep 2018 15:45

Tgt Ion: 75 Resp: 161107

Ion Ratio Lower Upper

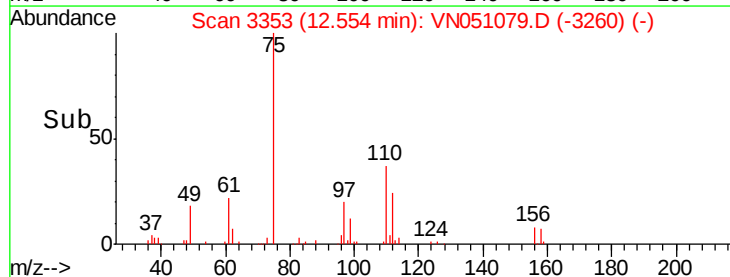
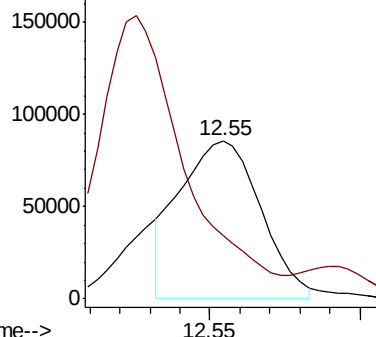
75 100

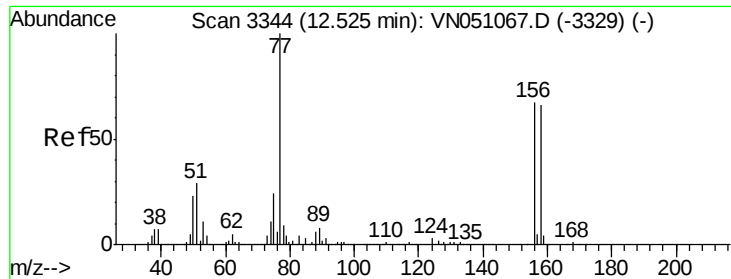
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051067.D (-3347) (-)





#77

Bromobenzene

Concen: 19.15 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

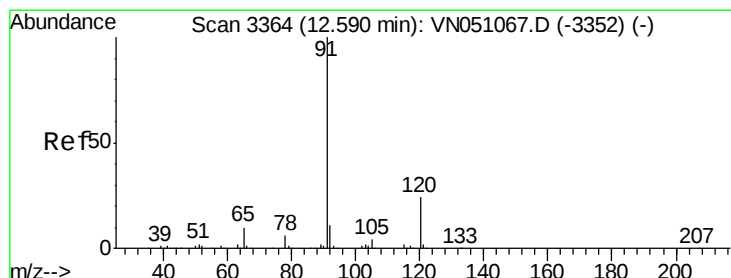
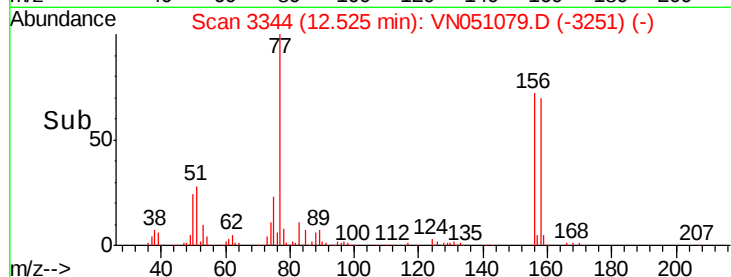
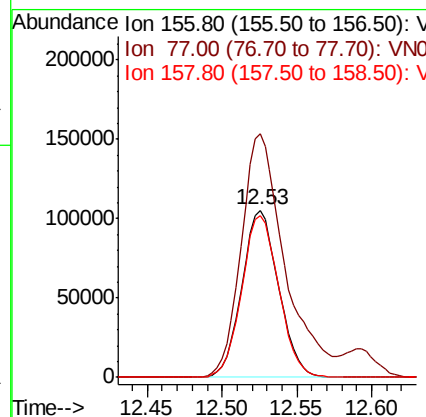
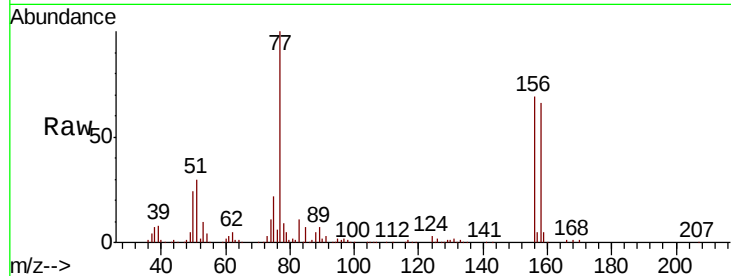
ClientSampled :

VN0910WBS01

Tot Ion:	156	Resp:	179575
Ion Ratio	Lower	Upper	
156	100		
77	172.9	87.5	262.6
158	97.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.77 ug/l

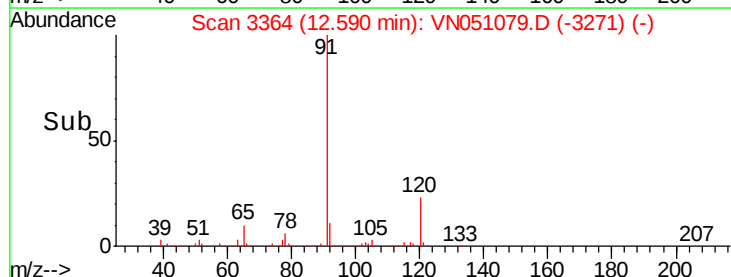
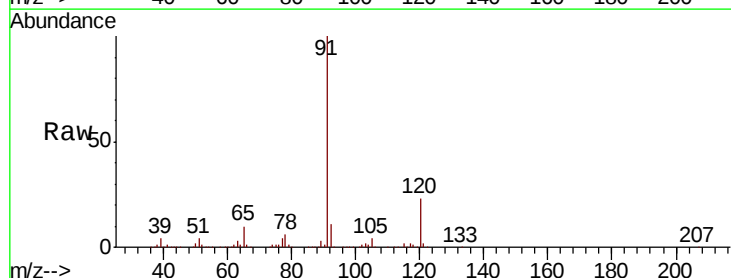
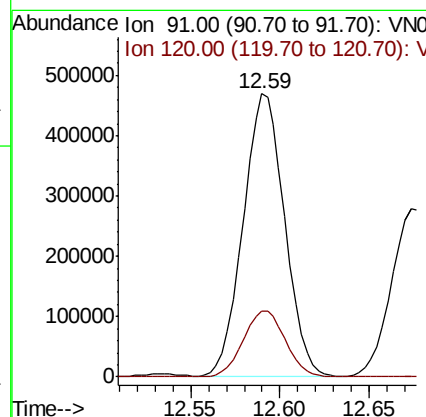
RT: 12.59 min Scan# 3364

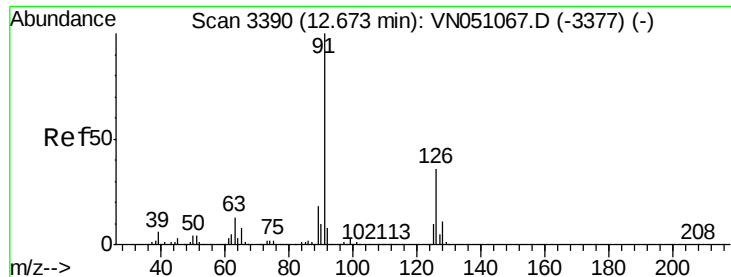
Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion:	91	Resp:	758640
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.57 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 91 Resp: 469258

Ion Ratio Lower Upper

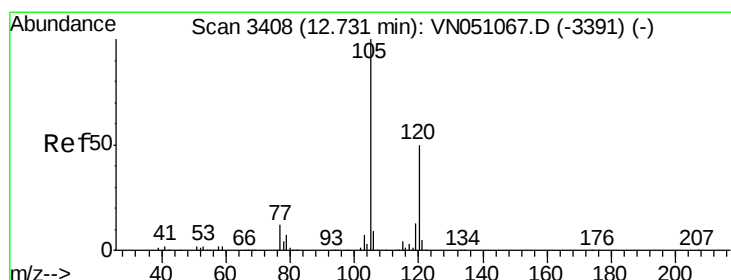
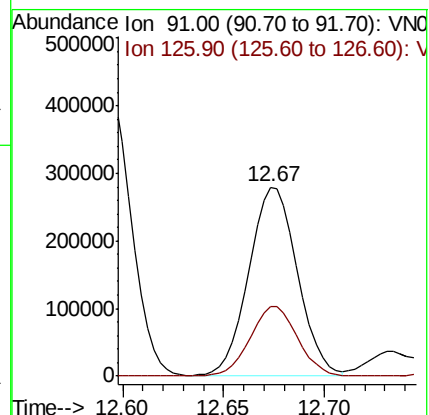
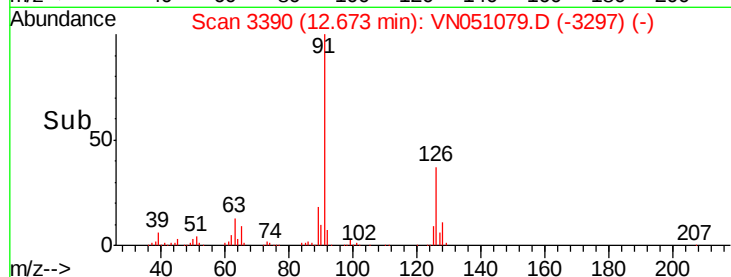
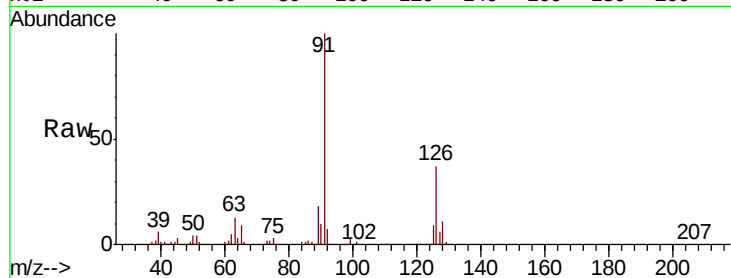
91 100

126 36.3 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.99 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051079.D

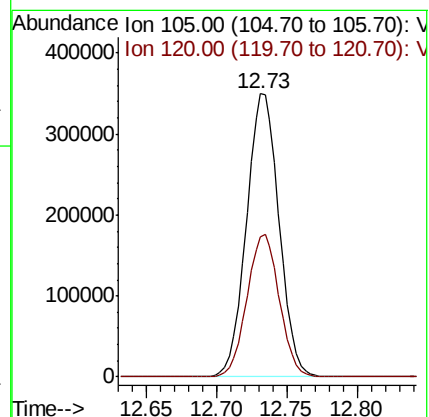
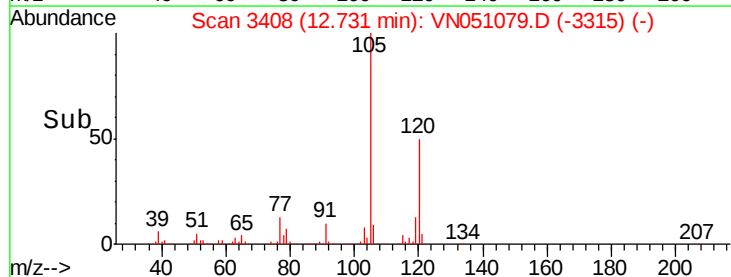
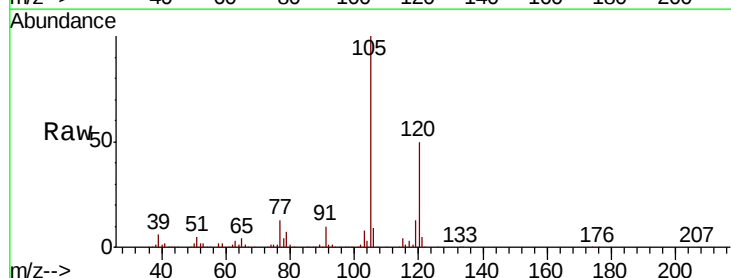
Acq: 10 Sep 2018 15:45

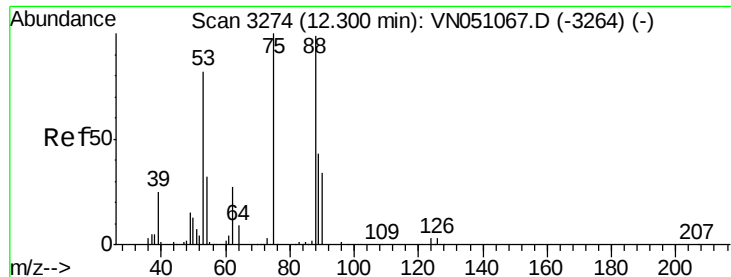
Tgt Ion: 105 Resp: 564203

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





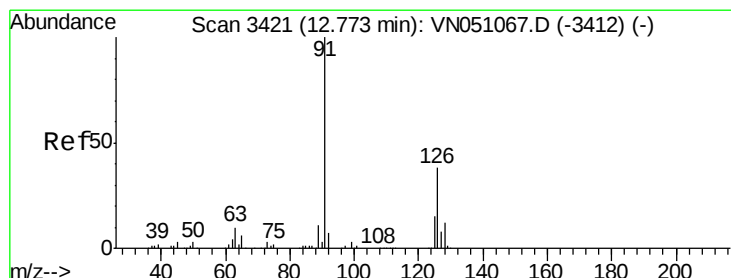
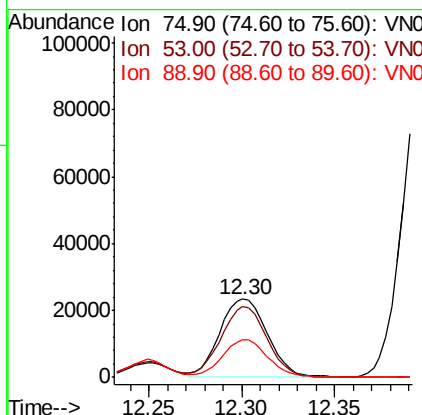
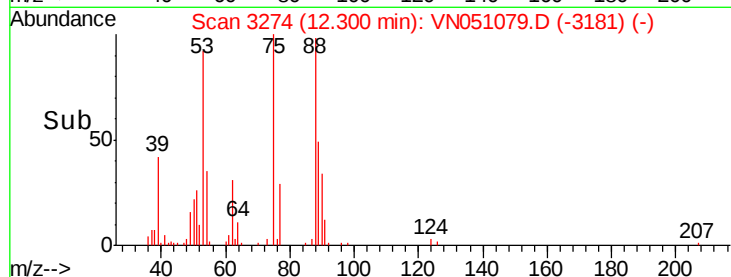
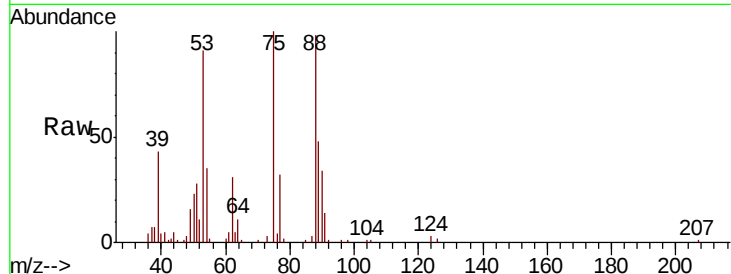
#81
trans-1,4-Dichloro-2-butene
Concen: 19.14 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.2	67.8	101.8
89	45.8	36.0	54.0

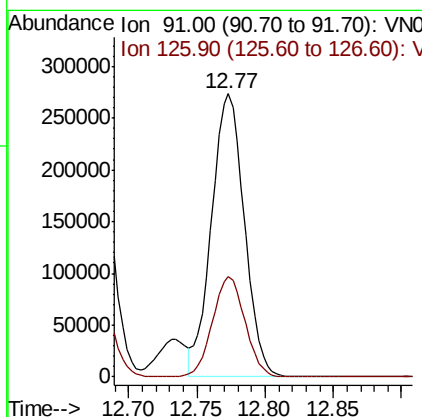
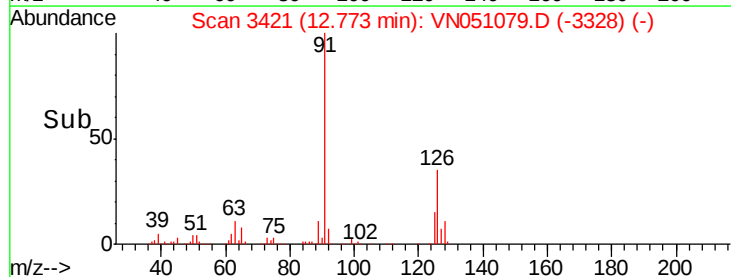
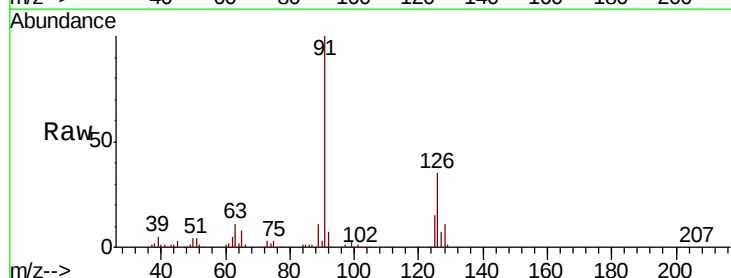
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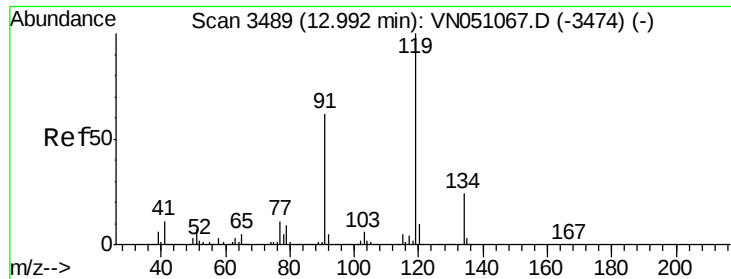
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#82
4-Chlorotoluene
Concen: 19.16 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





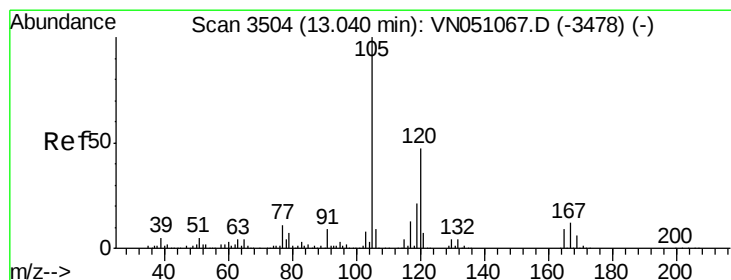
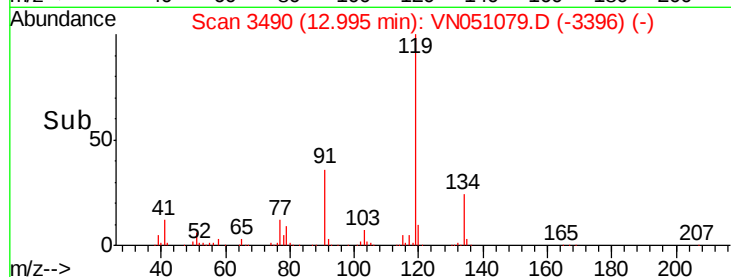
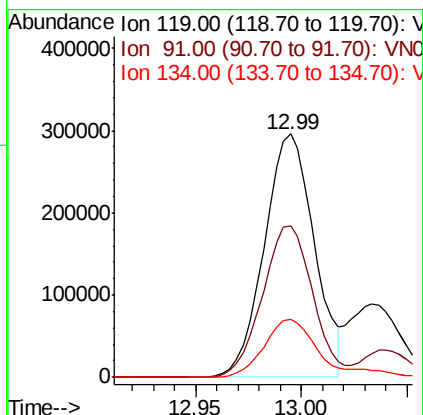
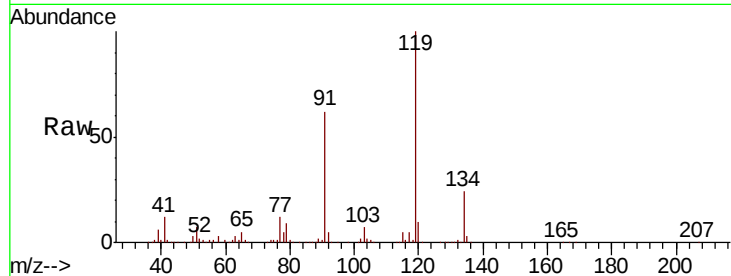
#83
 tert-Butylbenzene
 Concen: 19.62 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	488722		
91	62.3		30.8	92.3
134	24.4		13.2	39.6

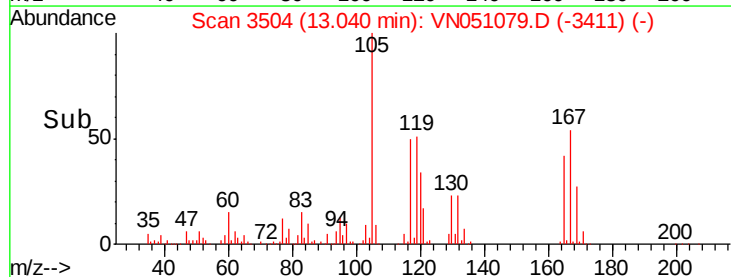
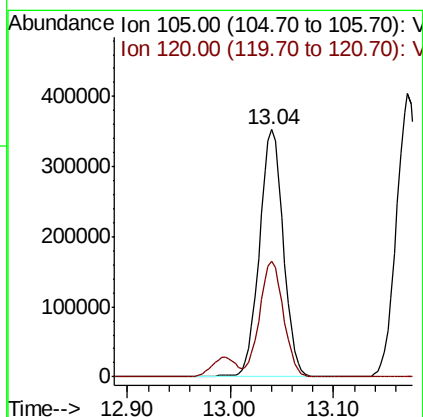
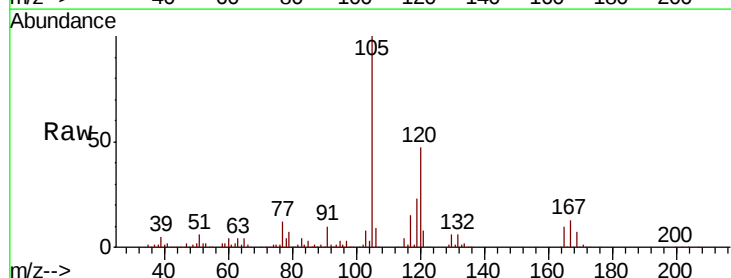
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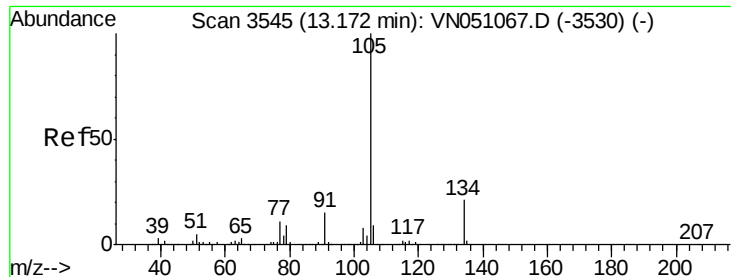
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.36 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	565101		
120	46.7		23.3	69.8





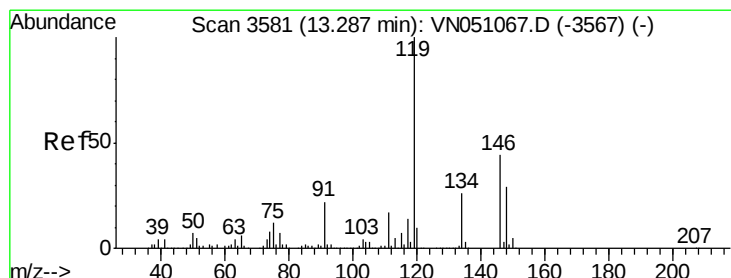
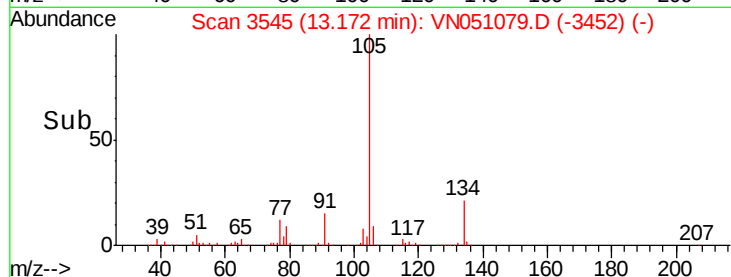
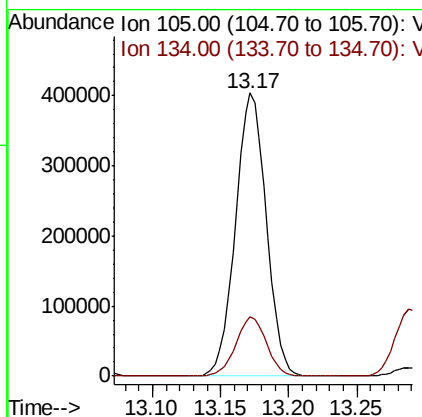
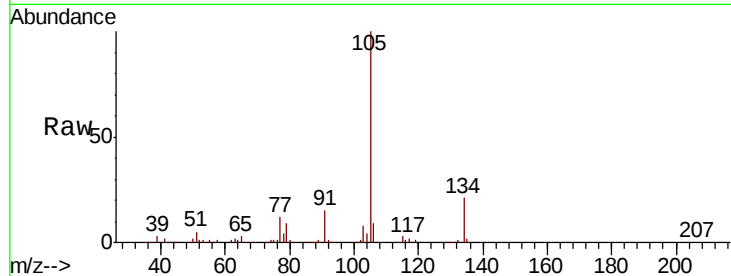
#85
 sec-Butylbenzene
 Concen: 19.74 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.4

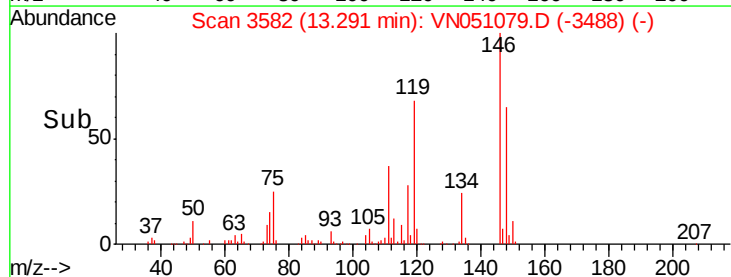
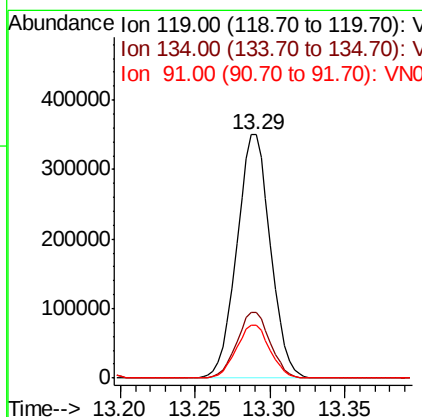
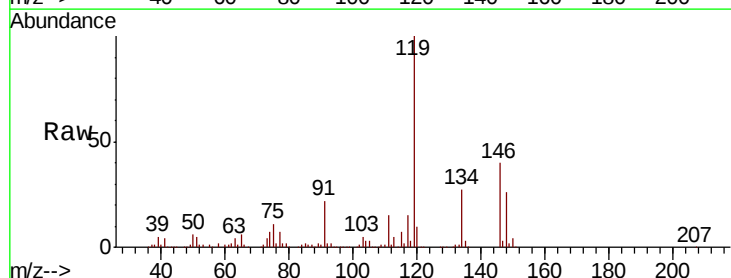
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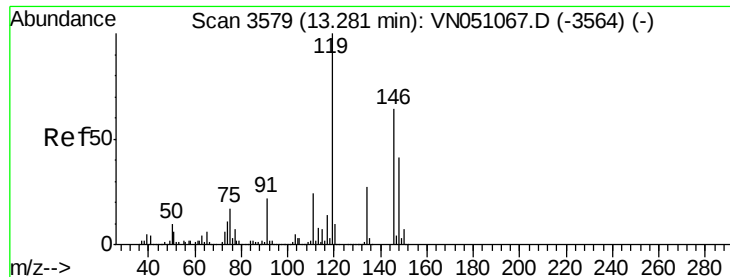
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#86
 p-Isopropyltoluene
 Concen: 20.14 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.4
91	21.5	10.9	32.9





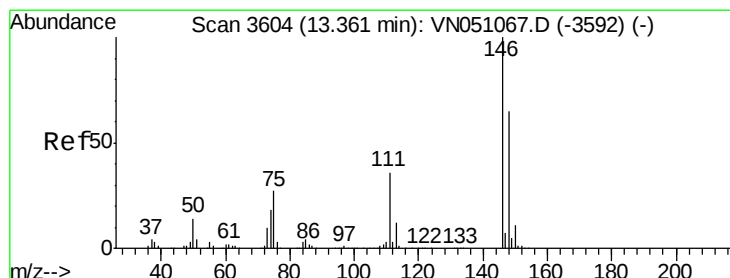
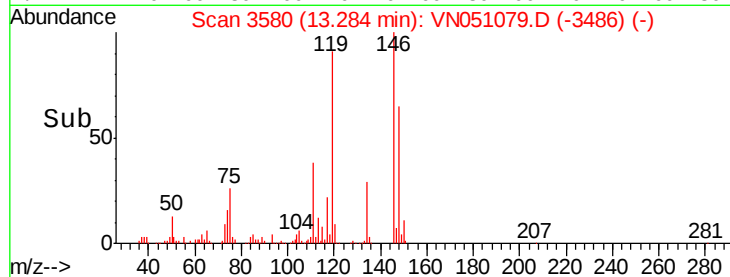
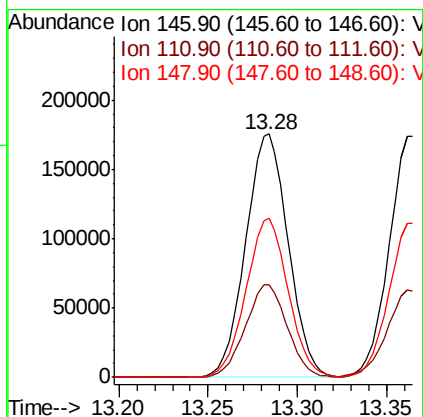
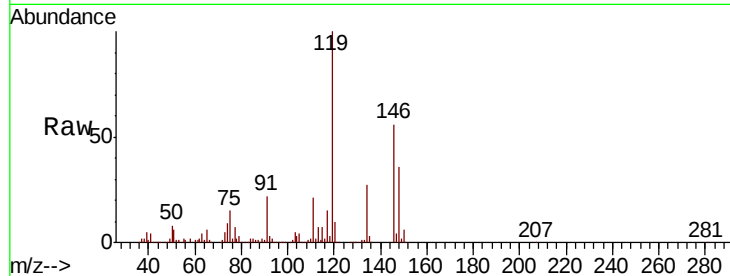
#87
 1,3-Dichlorobenzene
 Concen: 18.44 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.6	32.2	96.6

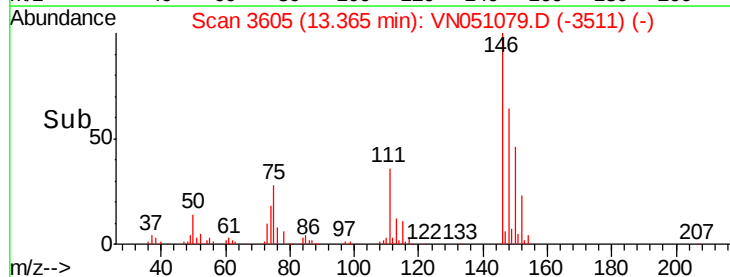
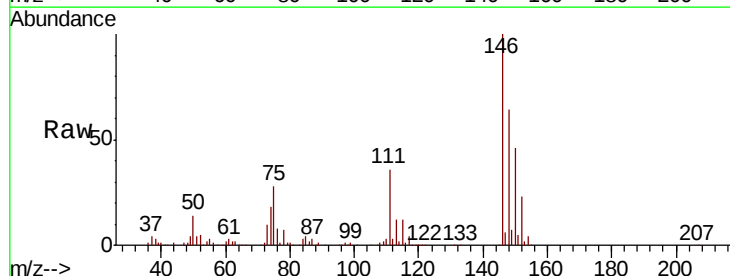
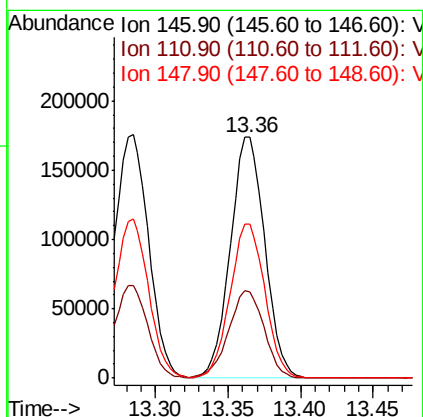
Manual Integrations
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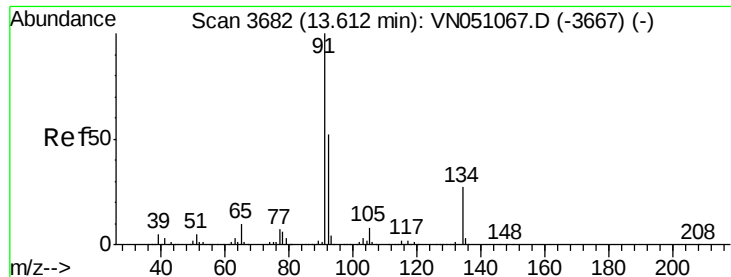
MMDadoda
 9/11/2018 9:40:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.61 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.5	32.2	96.6





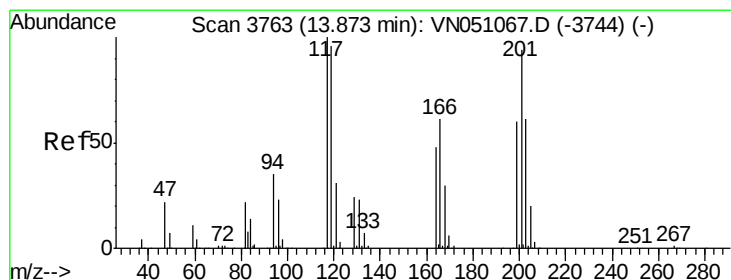
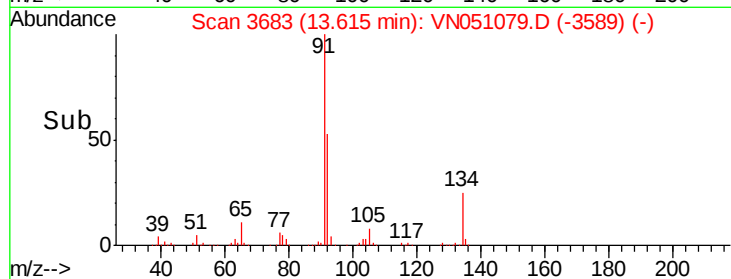
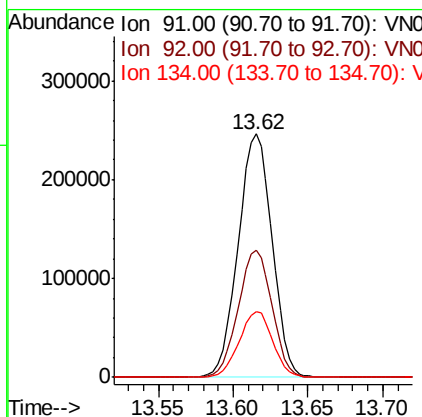
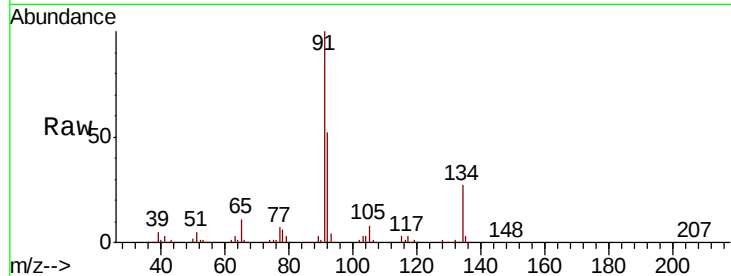
#89
n-Butylbenzene
Concen: 18.45 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	26.7	13.7	41.1

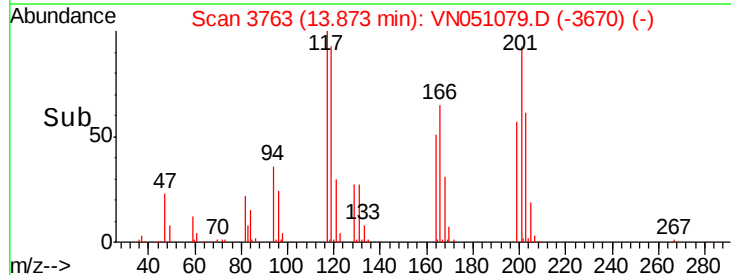
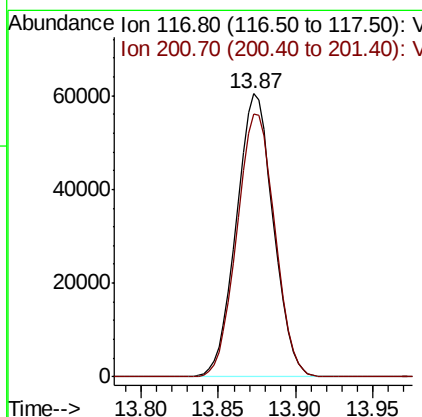
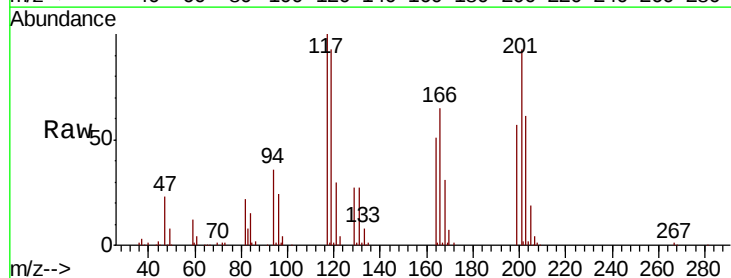
Manual Integrations
APPROVED

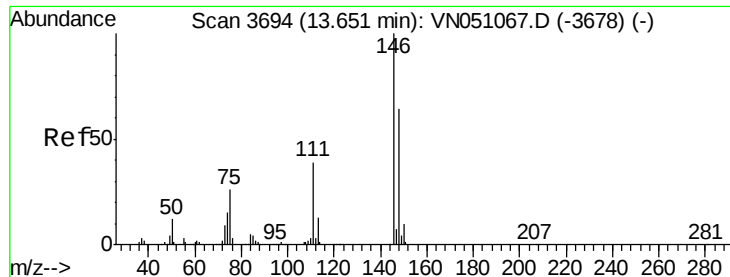
MMDadoda
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#90
Hexachloroethane
Concen: 19.99 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051079.D
Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	47.3	142.0





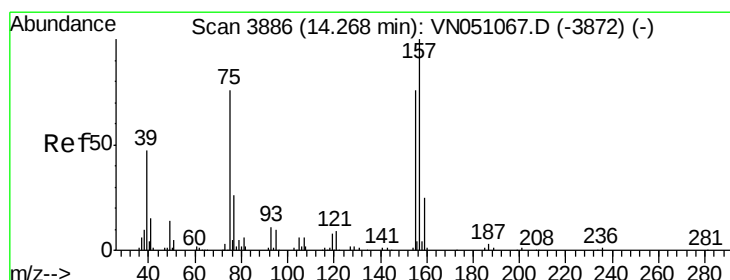
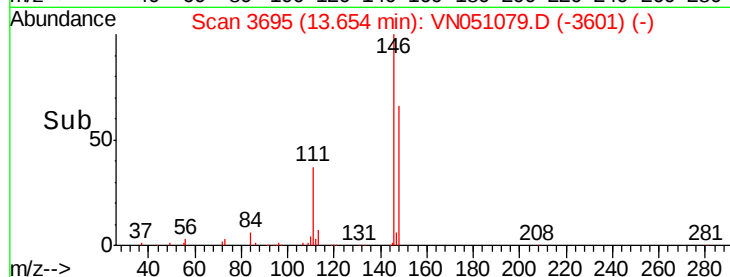
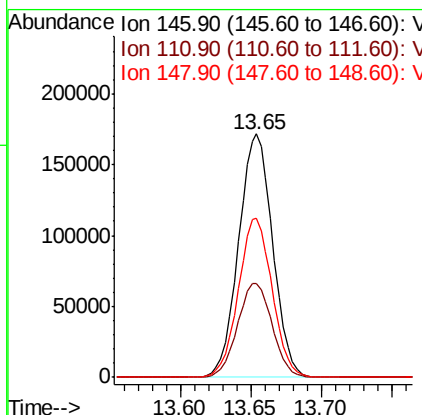
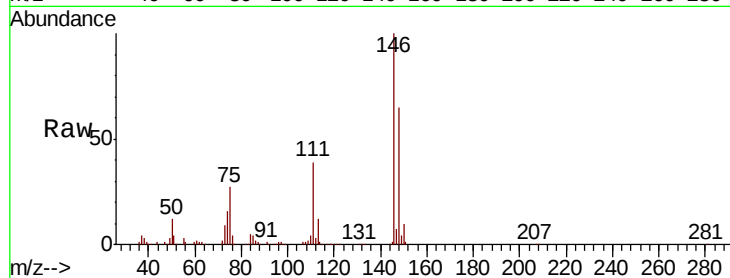
#91
 1,2-Dichlorobenzene
 Concen: 18.70 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	64.9	32.1	96.3

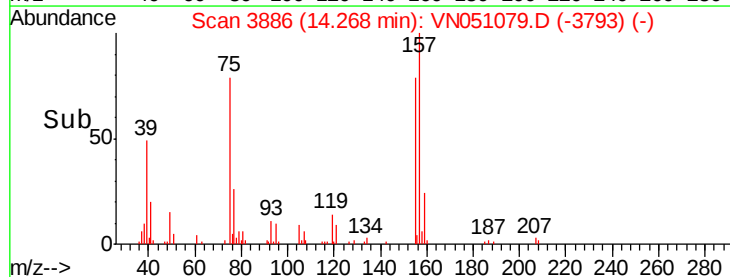
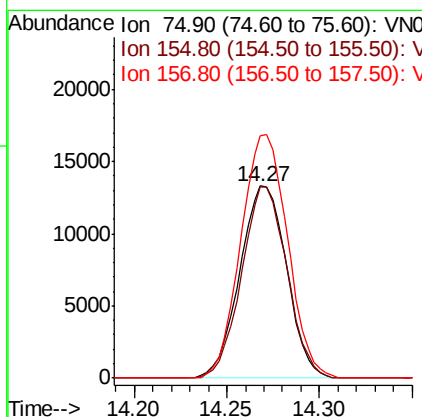
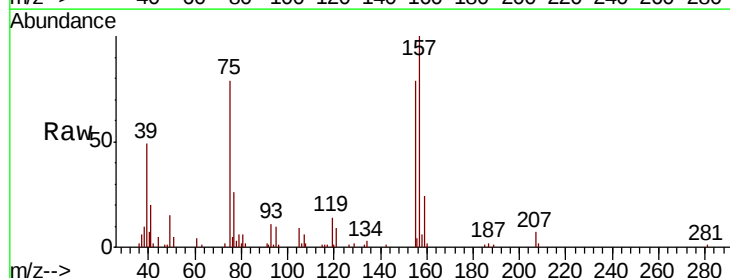
Manual Integrations
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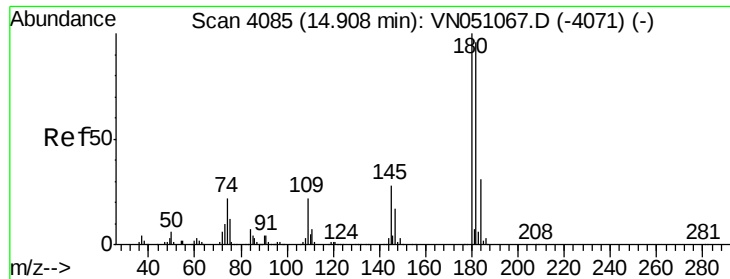
MMDadoda
 9/11/2018 9:40:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.92 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.7	146.1
157	126.7	63.6	190.9





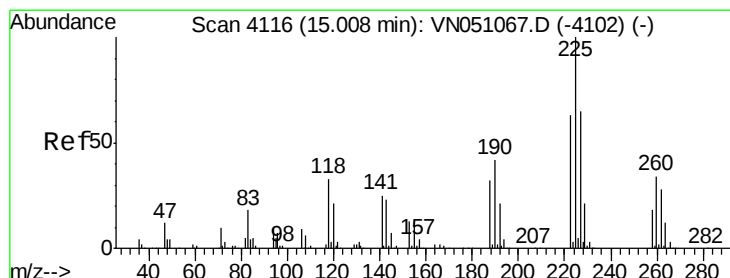
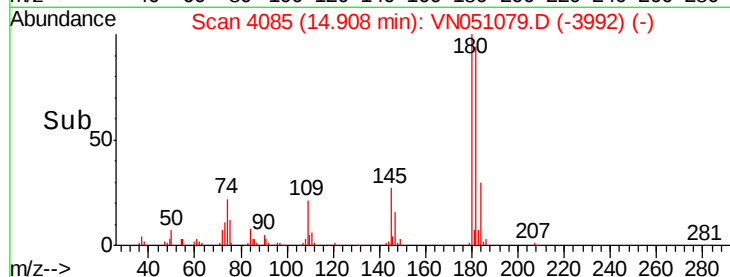
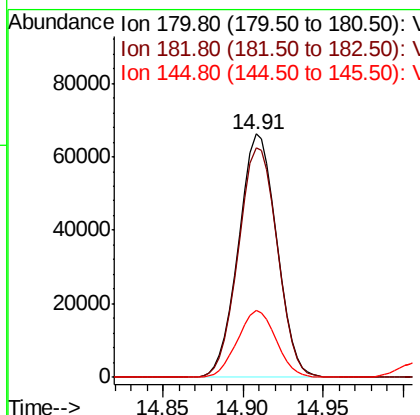
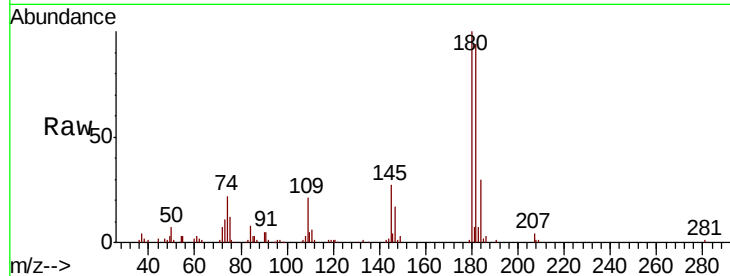
#93
 1,2,4-Trichlorobenzene
 Concen: 17.20 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107553		
182	96.2	47.3	141.8	
145	27.9	14.2	42.6	

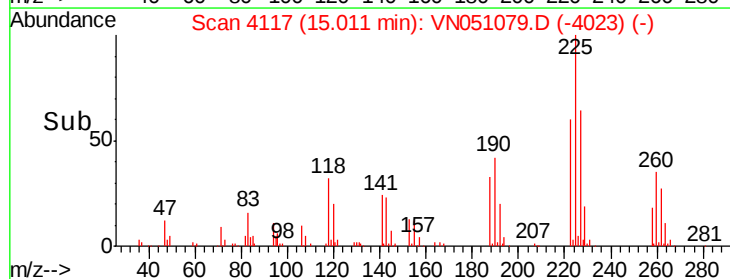
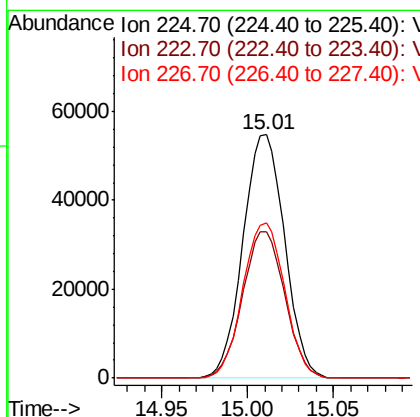
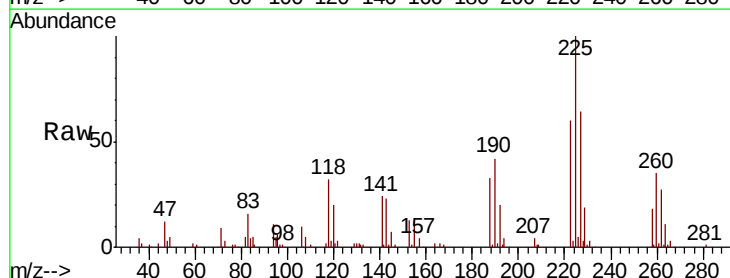
Manual Integrations
 APPROVED

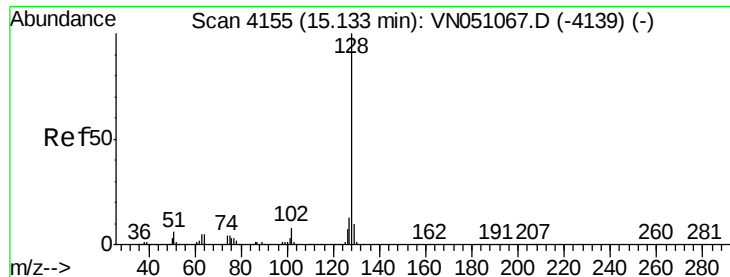
MMDadoda
 9/11/2018 9:40:47 AM



#94
 Hexachlorobutadiene
 Concen: 19.34 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051079.D
 Acq: 10 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92235		
223	60.9	31.4	94.0	
227	64.0	32.1	96.3	





#95

Naphthalene

Concen: 16.80 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Instrument :

MSVOA_N

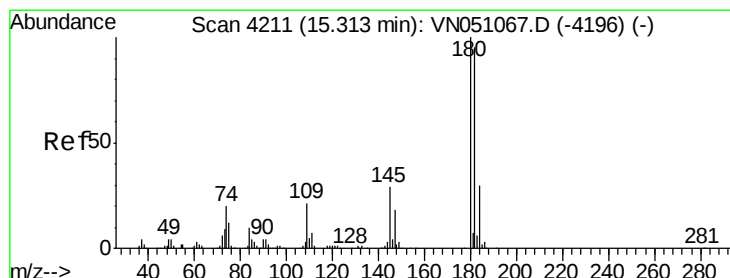
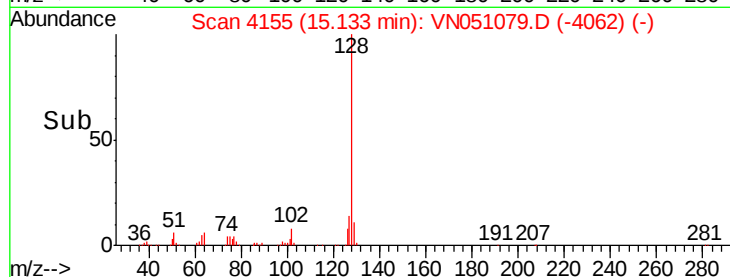
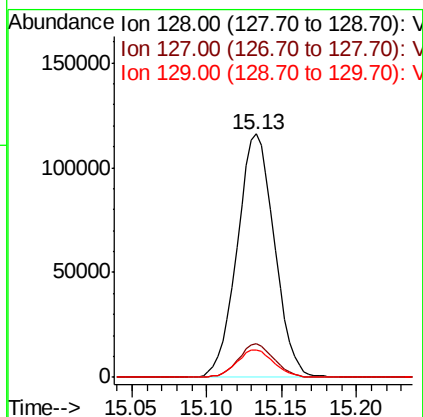
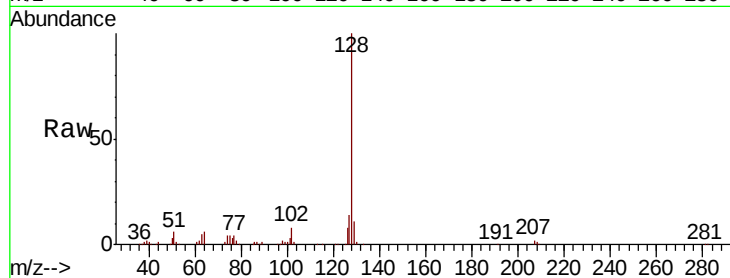
ClientSampleId :

VN0910WBS01

Tot Ion:	128	Resp:	200788
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.3	8.6	12.8

Manual Integrations
APPROVED

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9/11/2018 9:40:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.04 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051079.D

Acq: 10 Sep 2018 15:45

Tgt Ion:	180	Resp:	114749
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.8	143.3
145	29.4	14.6	43.8

