

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051321.D
 Acq On : 19 Sep 2018 16:03
 Operator : MD\SY
 Sample : VN0919WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:08 PM

Quant Time: Sep 20 02:07:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	518677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	640112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	283537	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	281883	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.09	98	1033495	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	317847	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	96615	19.21	ug/l	99
3) Chloromethane	2.06	50	125867	19.01	ug/l	99
4) Vinyl Chloride	2.19	62	127675	18.80	ug/l	99
5) Bromomethane	2.57	94	75649	19.18	ug/l	96
6) Chloroethane	2.70	64	76407	18.86	ug/l	95
7) Trichlorofluoromethane	3.01	101	180960	19.45	ug/l	99
8) Diethyl Ether	3.41	74	59167	19.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111334	19.15	ug/l	99
10) Methyl Iodide	3.95	142	92630	19.99	ug/l	100
11) Tert butyl alcohol	4.79	59	31128	100.28	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	99425	18.93	ug/l	98
13) Acrolein	3.61	56	35056	81.53	ug/l	96
14) Allyl chloride	4.33	41	142067	18.32	ug/l	98
15) Acrylonitrile	5.00	53	159653	98.31	ug/l	98
16) Acetone	3.82	43	109130	81.85	ug/l	99
17) Carbon Disulfide	4.05	76	288625	17.82	ug/l	100
18) Methyl Acetate	4.33	43	79596	20.33	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	252654	20.07	ug/l	100
20) Methylene Chloride	4.55	84	113556	18.41	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	106156	18.44	ug/l	94
22) Diisopropyl ether	5.96	45	308942	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	956880	98.34	ug/l	98
24) 1,1-Dichloroethane	5.85	63	194140	19.34	ug/l	99
25) 2-Butanone	6.84	43	166708	92.32	ug/l	99
26) 2,2-Dichloropropane	6.83	77	146418	17.93	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	119331	19.40	ug/l	97
28) Bromochloromethane	7.20	49	84950	19.21	ug/l	96
29) Tetrahydrofuran	7.22	42	112326	100.61	ug/l	97
30) Chloroform	7.37	83	203382	19.83	ug/l	99
31) Cyclohexane	7.66	56	163480	17.94	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	174384	19.82	ug/l	99
36) 1,1-Dichloropropene	7.80	75	146369	18.76	ug/l	99
37) Ethyl Acetate	6.93	43	78585	19.60	ug/l	98
38) Carbon Tetrachloride	7.78	117	158769	19.52	ug/l	99

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Quant Time: Sep 20 02:07:32 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157816	18.62	ug/l	99
40) Benzene	8.04	78	454177	19.57	ug/l	99
41) Methacrylonitrile	7.18	41	40577	19.72	ug/l	94
42) 1,2-Dichloroethane	8.13	62	135068	19.79	ug/l	100
43) Isopropyl Acetate	8.17	43	146591	21.13	ug/l	98
44) Trichloroethene	8.84	130	125798	19.28	ug/l	99
45) 1,2-Dichloropropane	9.12	63	116022	19.72	ug/l	98
46) Dibromomethane	9.21	93	72442	20.21	ug/l	99
47) Bromodichloromethane	9.40	83	150563	19.71	ug/l	98
48) Methyl methacrylate	9.20	41	65669	19.65	ug/l	98
49) 1,4-Dioxane	9.20	88	19633	406.08	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	379456	105.98	ug/l	100
52) Toluene	10.16	92	282537	20.34	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	138449	19.29	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	167302	19.51	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104565	21.05	ug/l	99
56) Ethyl methacrylate	10.43	69	109449	18.67	ug/l	98
57) 1,3-Dichloropropane	10.71	76	165164	20.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	233664	89.03	ug/l	100
59) 2-Hexanone	10.75	43	225445	95.64	ug/l	99
60) Dibromochloromethane	10.90	129	118681	20.30	ug/l	100
61) 1,2-Dibromoethane	11.01	107	98630	20.66	ug/l	99
64) Tetrachloroethene	10.63	164	116627	19.19	ug/l	99
65) Chlorobenzene	11.44	112	308250	19.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119772	19.98	ug/l	100
67) Ethyl Benzene	11.51	91	490831	19.45	ug/l	99
68) m/p-Xylenes	11.62	106	397376	40.54	ug/l	99
69) o-Xylene	11.95	106	190704	20.41	ug/l	98
70) Styrene	11.96	104	295727	18.70	ug/l	100
71) Bromoform	12.13	173	81056	20.39	ug/l	# 100
73) Isopropylbenzene	12.25	105	493043	19.70	ug/l	99
74) N-amyl acetate	12.07	43	92461	18.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	118790	21.17	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	101429m	23.52	ug/l	
77) Bromobenzene	12.53	156	131366	20.46	ug/l	98
78) n-propylbenzene	12.59	91	530657	19.66	ug/l	100
79) 2-Chlorotoluene	12.67	91	331680	19.33	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	406664	20.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25435	19.04	ug/l	96
82) 4-Chlorotoluene	12.77	91	316548	19.39	ug/l	100
83) tert-Butylbenzene	12.99	119	350203	19.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	403931	20.79	ug/l	100
85) sec-Butylbenzene	13.17	105	447596	19.94	ug/l	100
86) p-Isopropyltoluene	13.29	119	384705	20.43	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	207049	18.73	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	197697	19.13	ug/l	99
89) n-Butylbenzene	13.62	91	251402	17.62	ug/l	99
90) Hexachloroethane	13.87	117	75819	20.13	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	206306	19.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14776	20.34	ug/l	97

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61625	16.11	ug/l	97
94) Hexachlorobutadiene	15.01	225	69283	19.57	ug/l	98
95) Naphthalene	15.13	128	106691	16.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	69718	17.44	ug/l	100

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

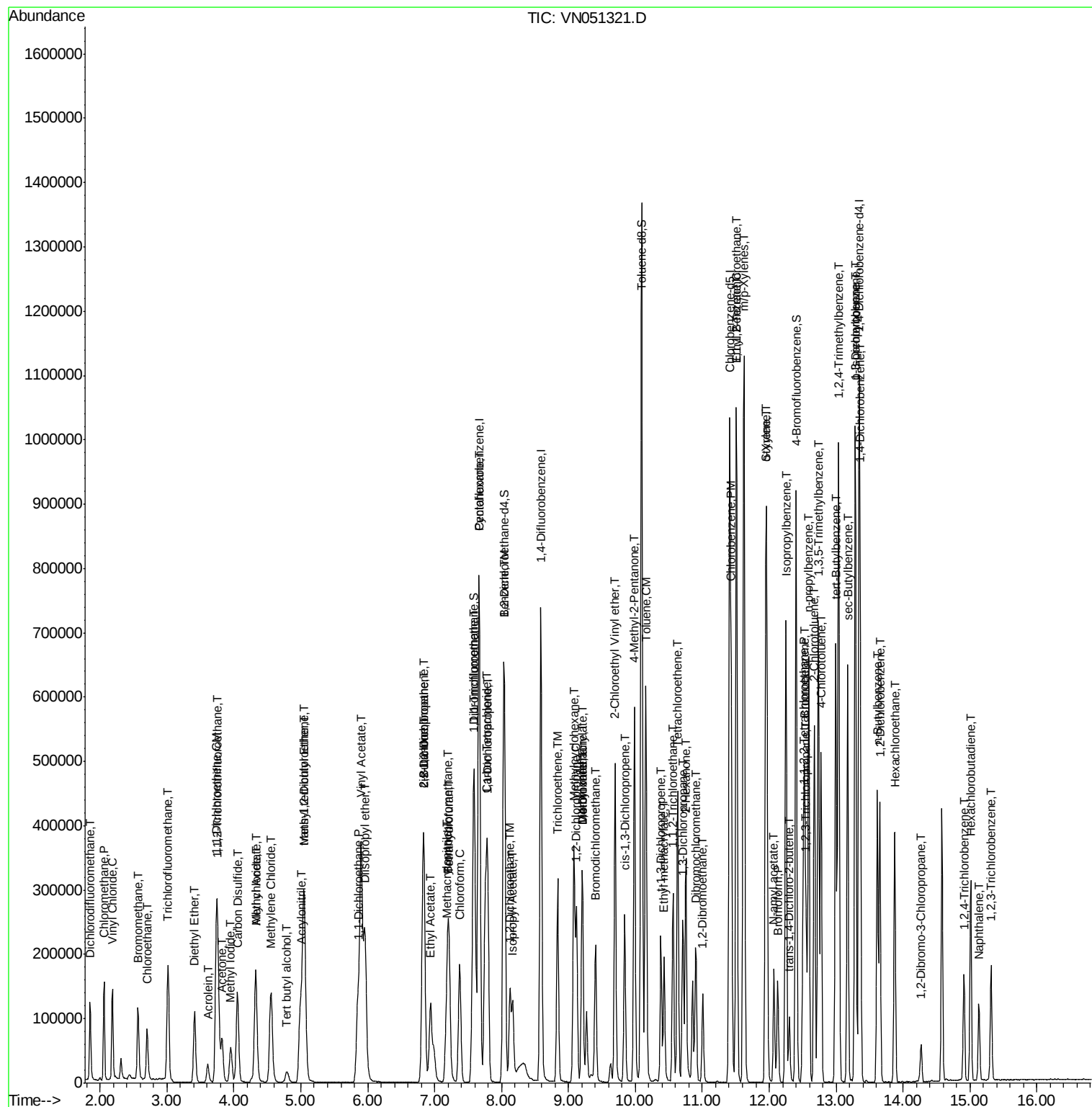
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
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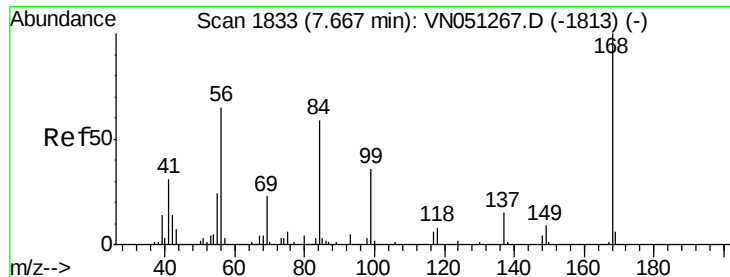
Instrument :
MSVOA_N
ClientSampled :
VN0919WBS02

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:168 Resp: 518677

Ion Ratio Lower Upper

168 100

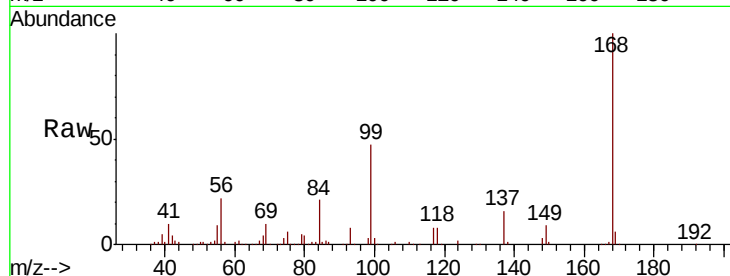
99 46.6 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

0

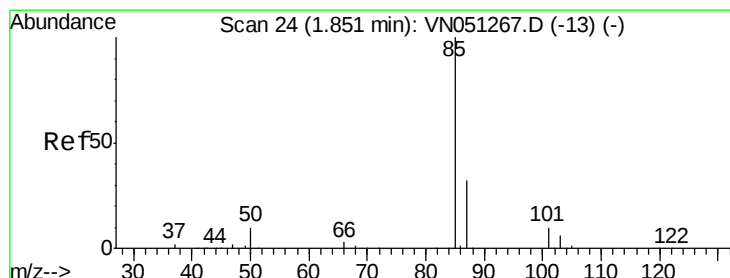
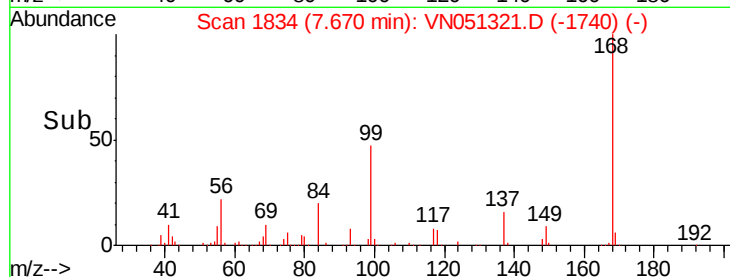
7.60

7.67

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.21 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051321.D

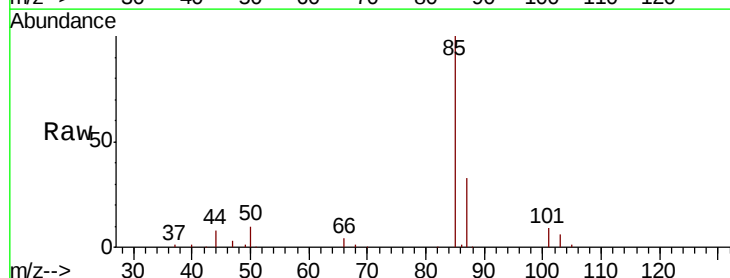
Acq: 19 Sep 2018 16:03

Tgt Ion: 85 Resp: 96615

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

80000

60000

40000

20000

0

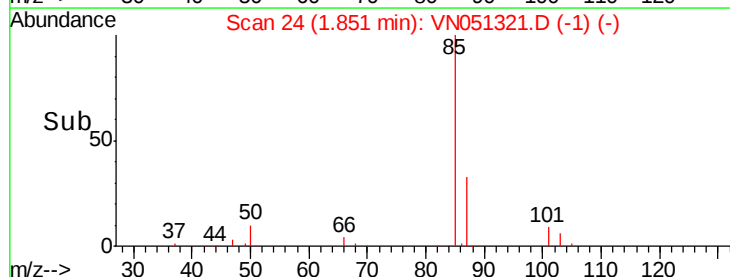
1.80

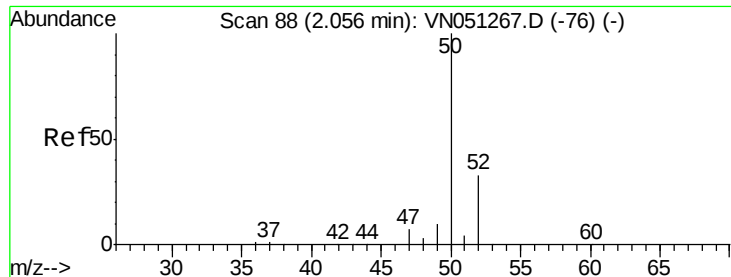
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.01 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 50 Resp: 125867

Ion Ratio Lower Upper

50 100

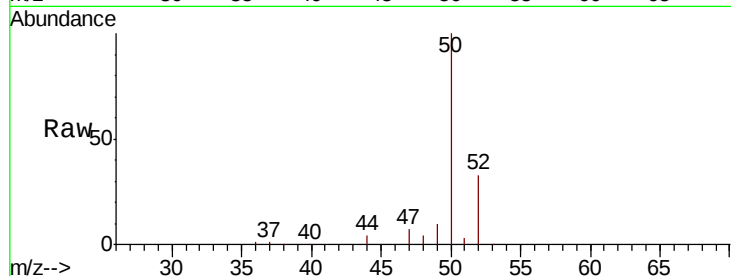
52 32.6 26.6 40.0

Manual Integrations

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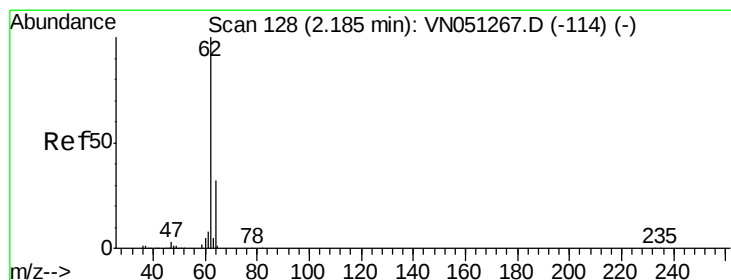
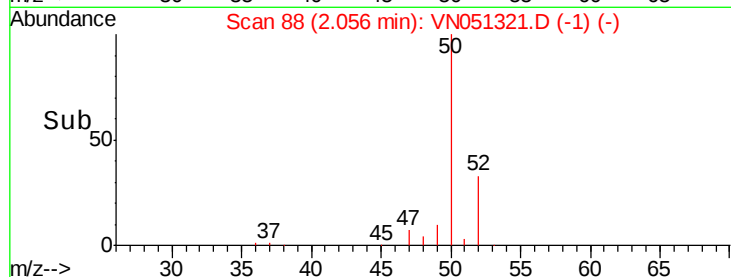
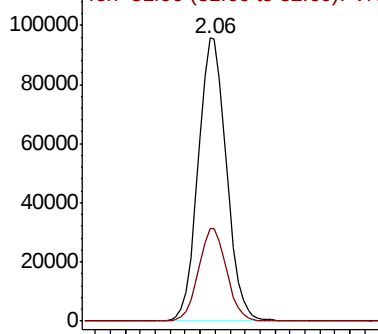
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.80 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051321.D

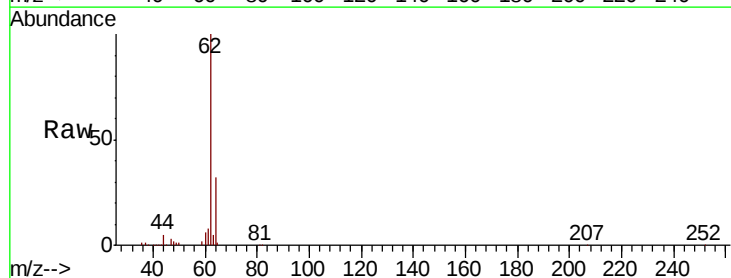
Acq: 19 Sep 2018 16:03

Tgt Ion: 62 Resp: 127675

Ion Ratio Lower Upper

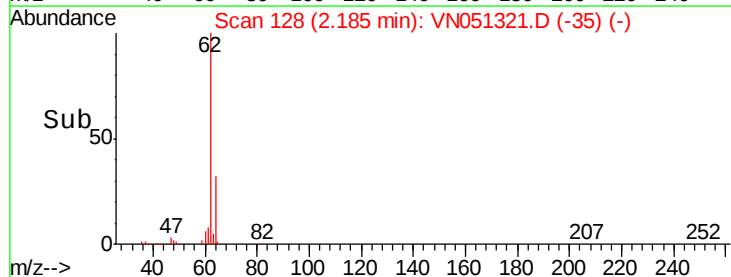
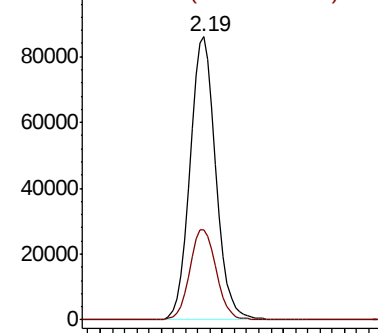
62 100

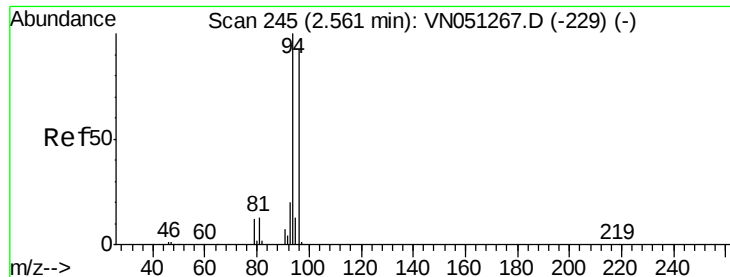
64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.18 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

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ClientSampleId :

VN0919WBS02

Tot Ion: 94 Resp: 75649

Ion Ratio Lower Upper

94 100

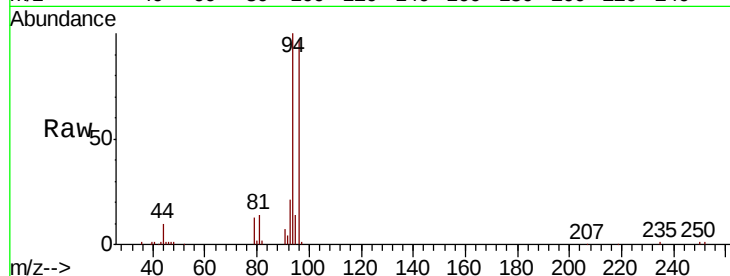
96 96.5 73.8 110.8

Manual Integrations

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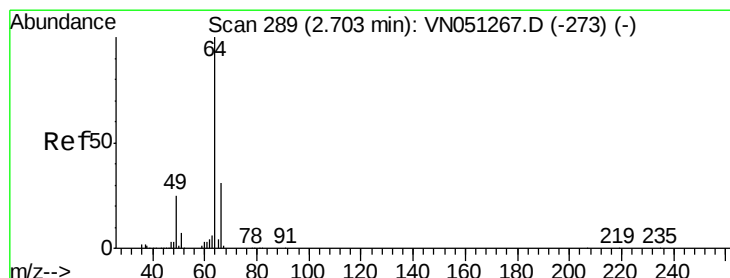
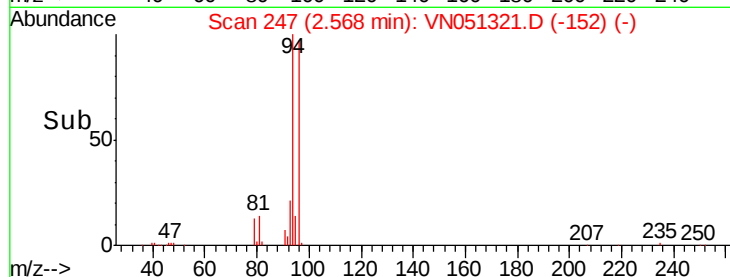
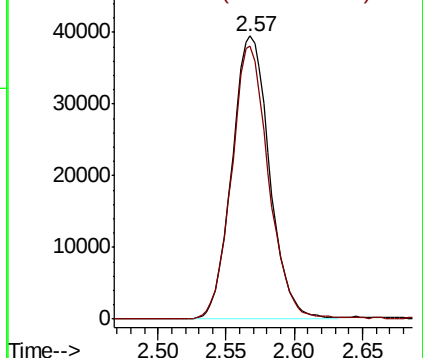
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.86 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051321.D

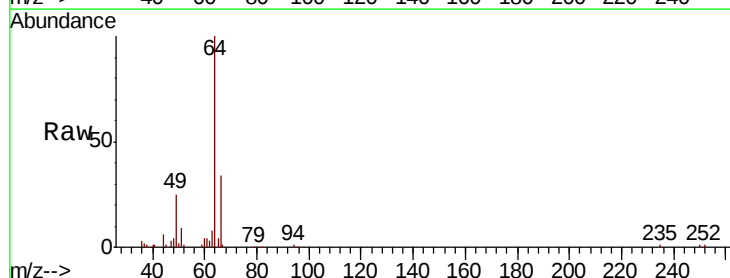
Acq: 19 Sep 2018 16:03

Tgt Ion: 64 Resp: 76407

Ion Ratio Lower Upper

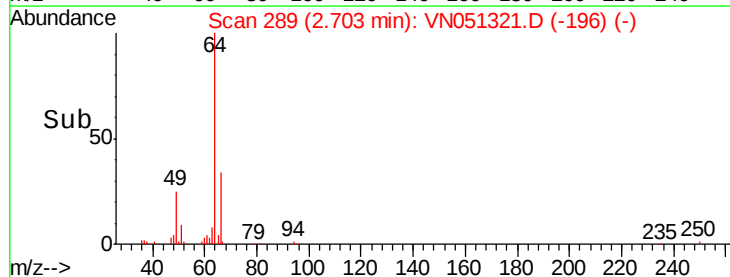
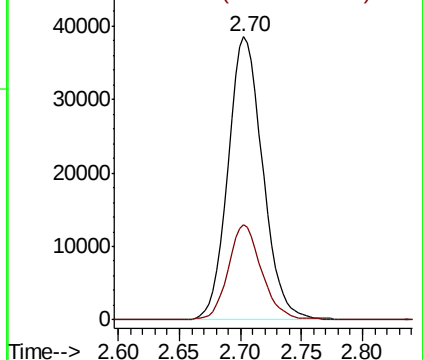
64 100

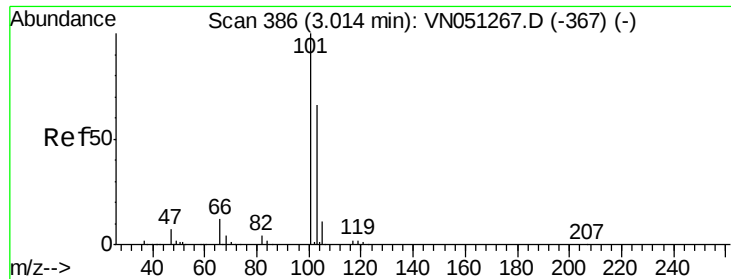
66 33.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.45 ug/l

RT: 3.01 min Scan# 386

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:101 Resp: 180960

Ion Ratio Lower Upper

101 100

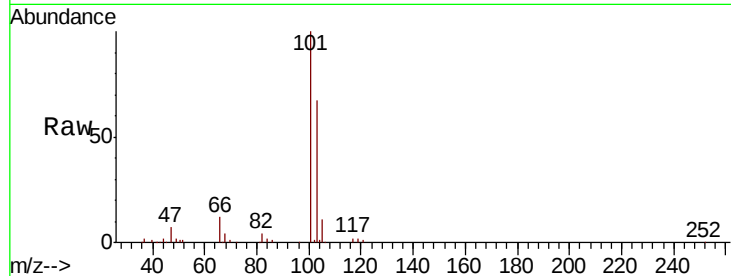
103 66.9 52.7 79.1

Manual Integrations

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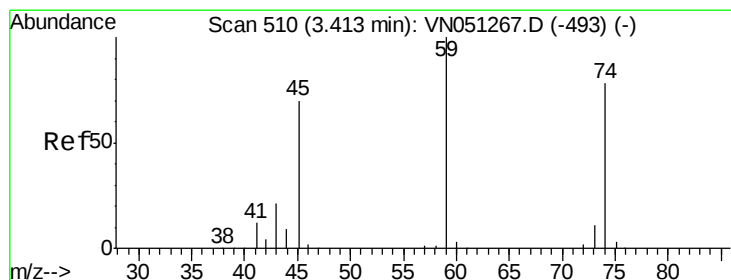
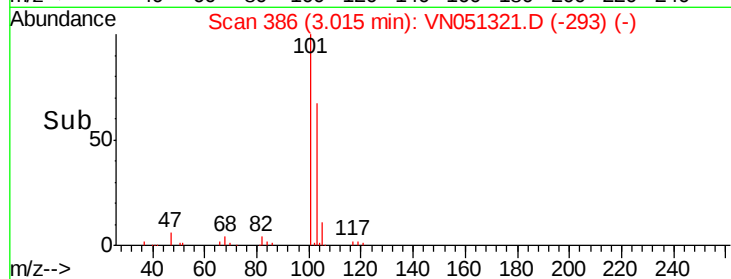
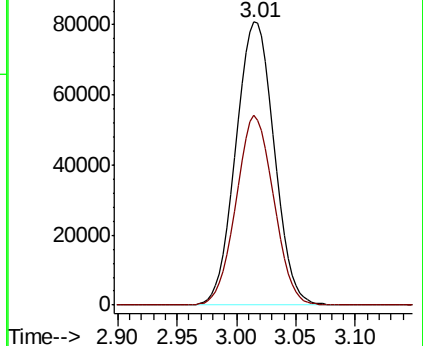
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.43 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051321.D

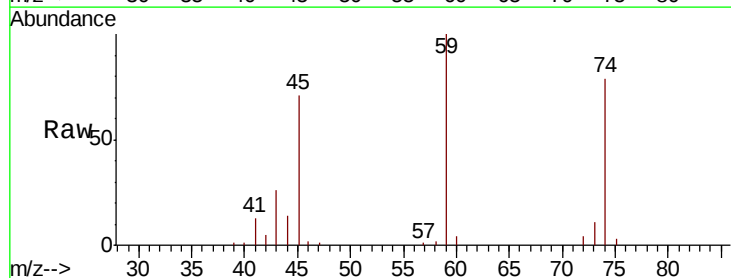
Acq: 19 Sep 2018 16:03

Tgt Ion: 74 Resp: 59167

Ion Ratio Lower Upper

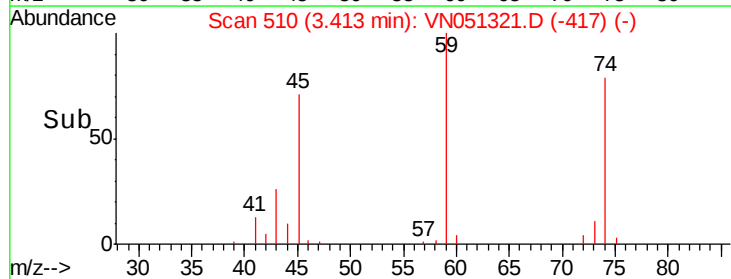
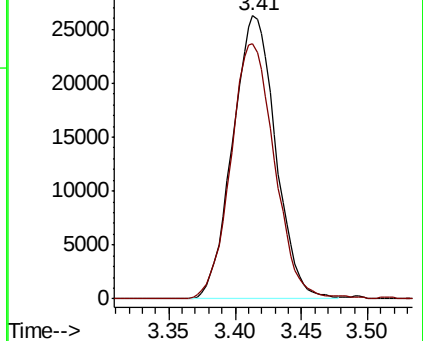
74 100

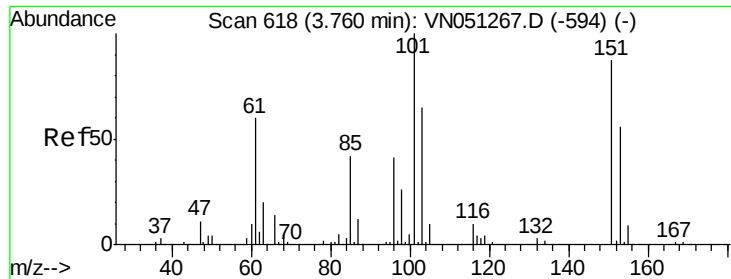
45 91.9 46.4 139.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.15 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

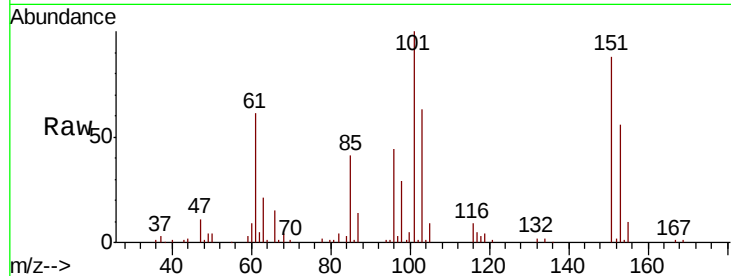
ClientSampleId :

VN0919WBS02

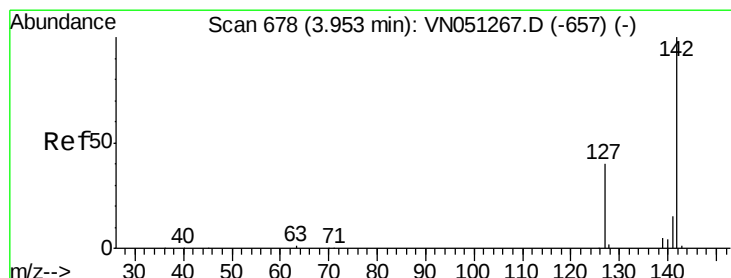
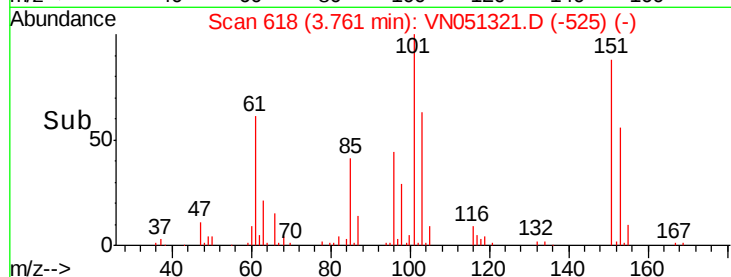
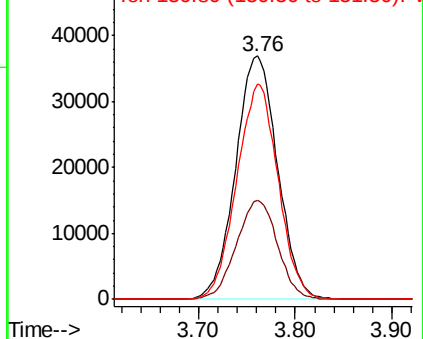
Tot Ion:	101	Resp:	111334
Ion Ratio	Lower	Upper	
101	100		
85	39.9	33.0	49.6
151	86.9	69.8	104.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.99 ug/l

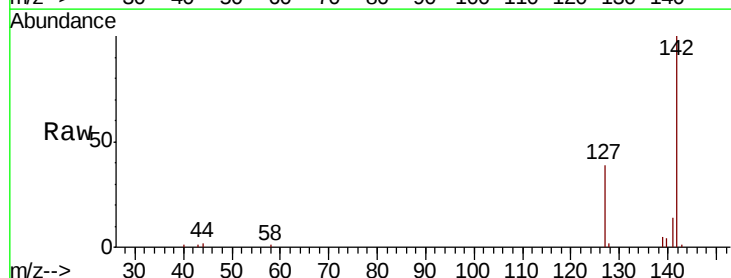
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

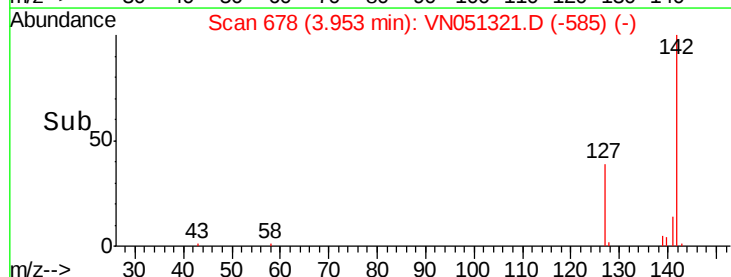
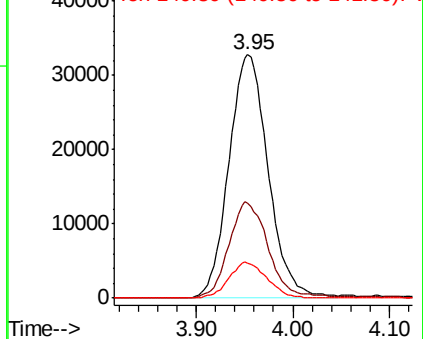
Lab File: VN051321.D

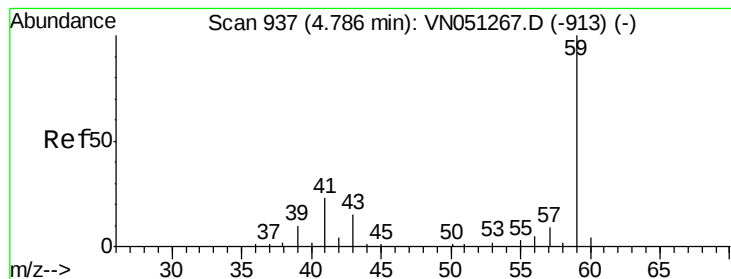
Acq: 19 Sep 2018 16:03

Tgt Ion:	142	Resp:	92630
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.7	47.5
141	14.2	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

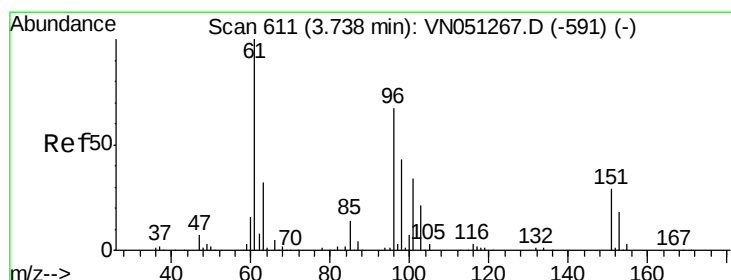
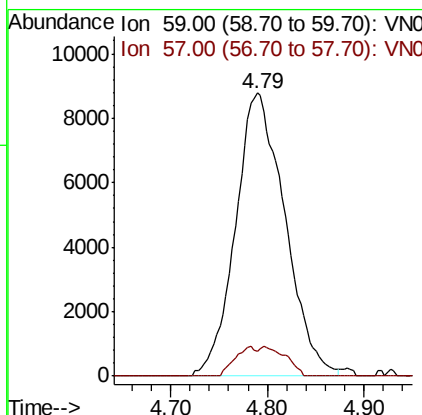
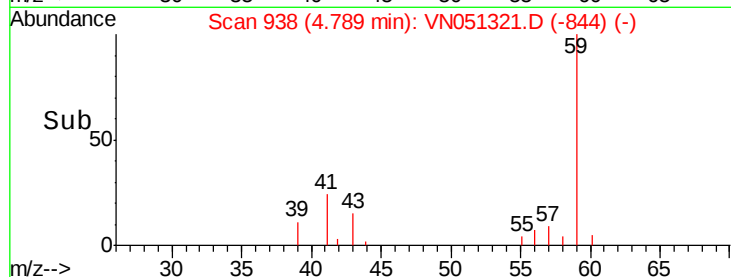
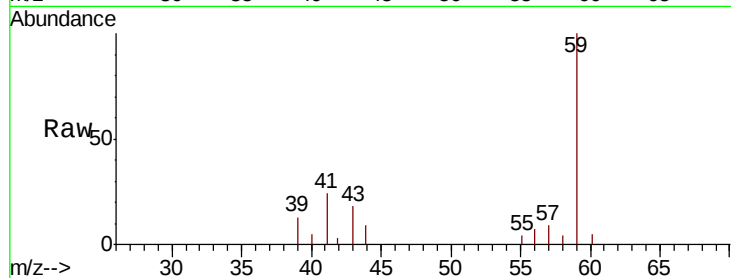
Tert butyl alcohol
Concen: 100.28 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0919WBS02

Tot Ion	59	57	Ratio	Lower	Upper
59	100				
57	0.0		7.9	11.9	

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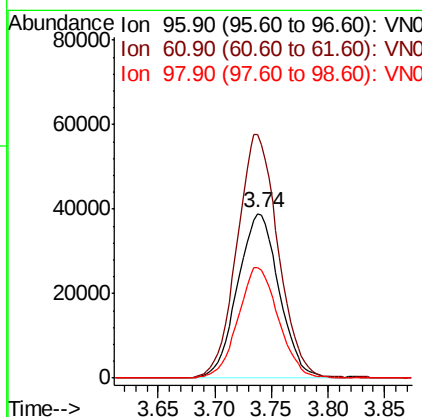
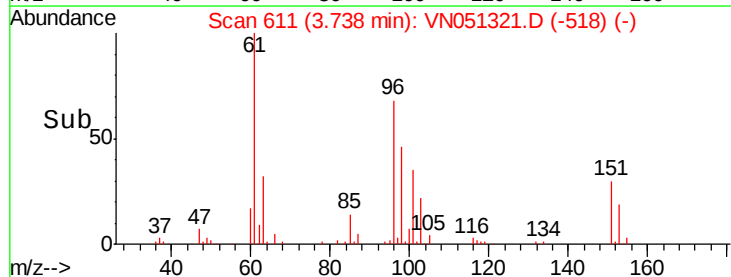
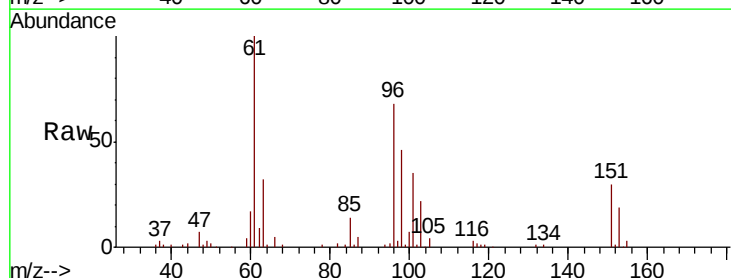
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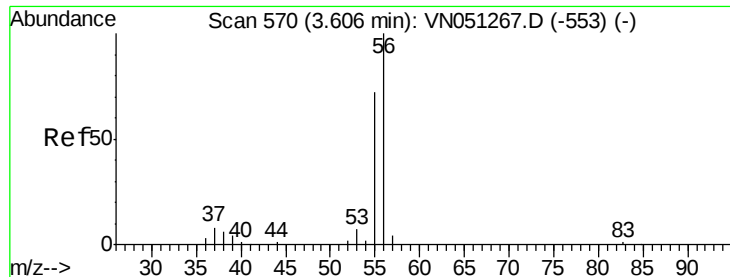


#12

1,1-Dichloroethene
Concen: 18.93 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	96	61	98	Ratio	Lower	Upper
96	100					
61	148.1			119.3	178.9	
98	67.5			51.8	77.6	





#13

Acrolein

Concen: 81.53 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 56 Resp: 35056

Ion Ratio Lower Upper

56 100

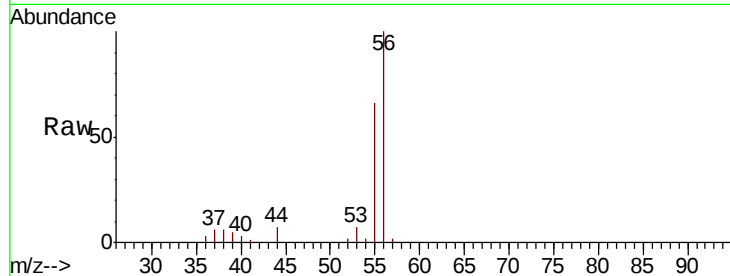
55 67.6 56.4 84.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN051267.D (-553) (-)

3.61

15000

10000

5000

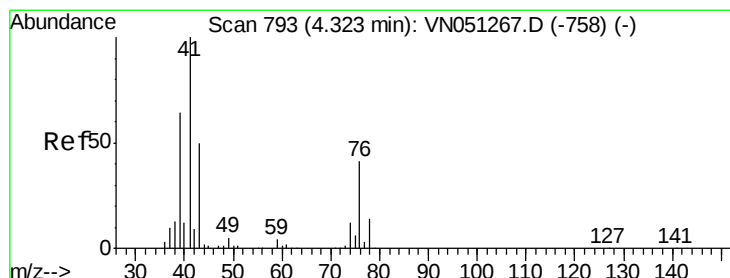
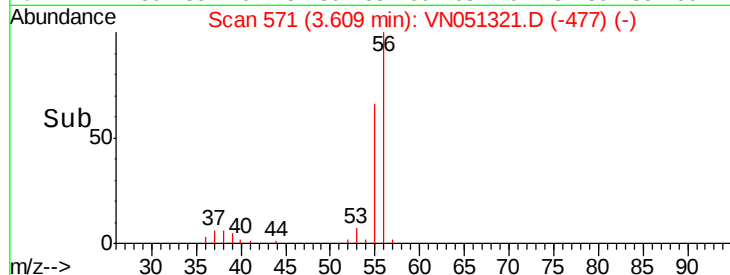
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.32 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

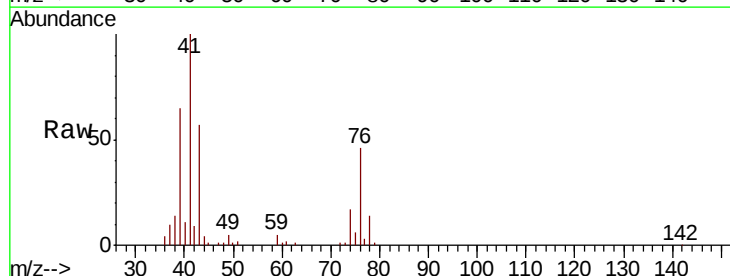
Tgt Ion: 41 Resp: 142067

Ion Ratio Lower Upper

41 100

39 61.8 49.0 73.4

76 40.8 31.4 47.0



Abundance Ion 41.00 (40.70 to 41.70): VN051267.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN051267.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN051267.D (-758) (-)

4.33

60000

50000

40000

30000

20000

10000

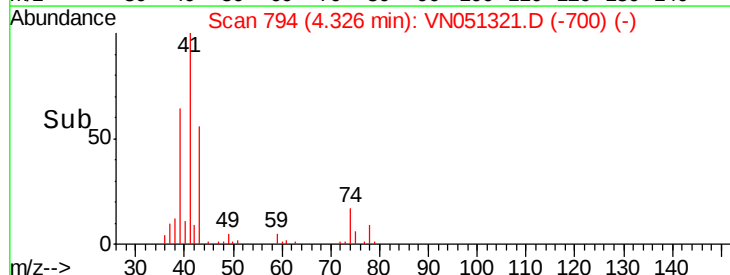
0

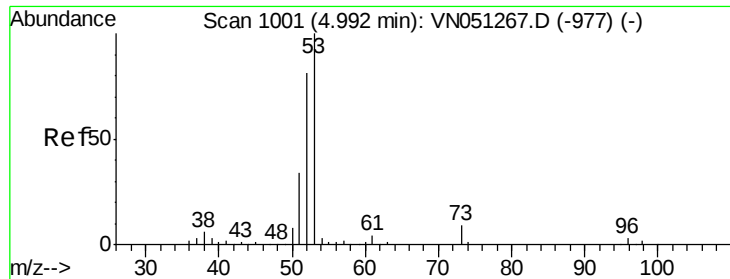
Time-->

4.20

4.30

4.40





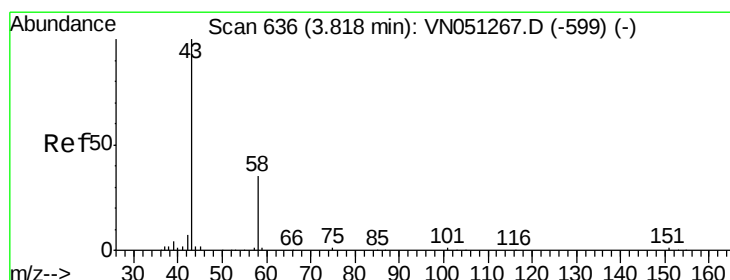
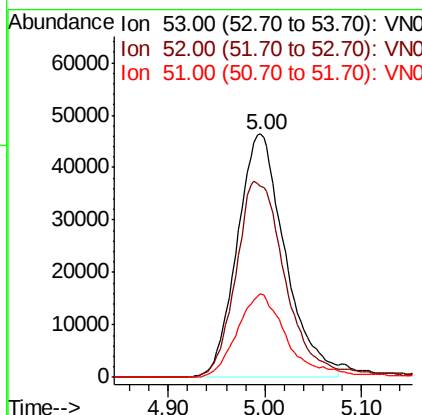
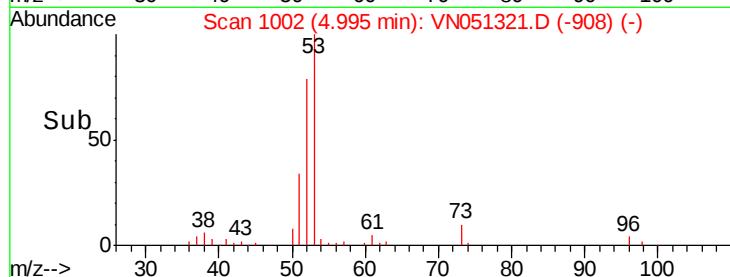
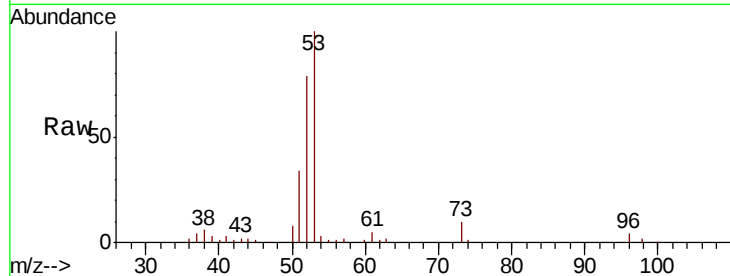
#15
 Acrylonitrile
 Concen: 98.31 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion:	53	Resp:	159653
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.0	97.6
51	35.7	28.0	42.0

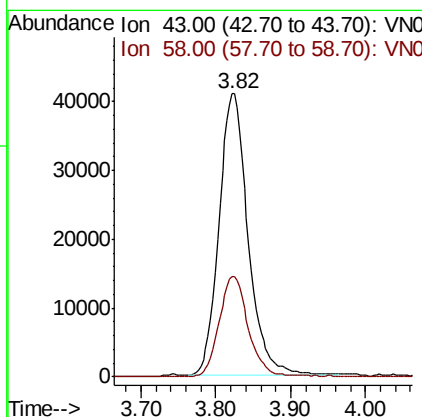
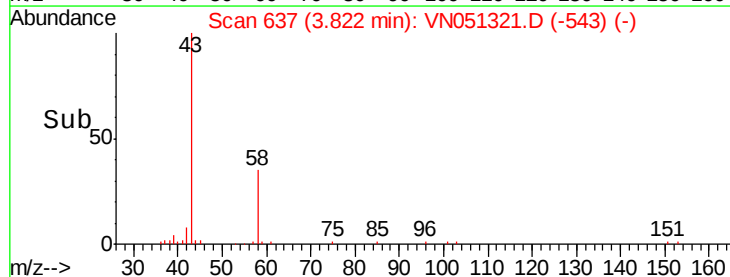
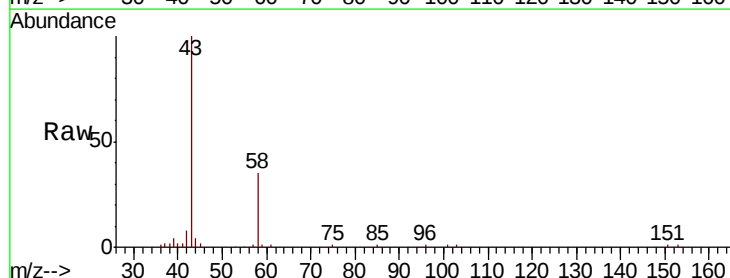
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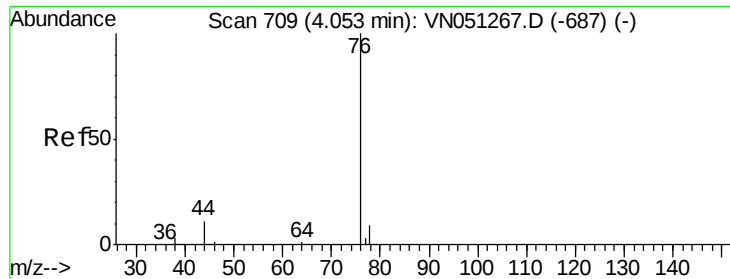
MMDadoda
 9/20/2018 1:42:08 PM



#16
 Acetone
 Concen: 81.85 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion:	43	Resp:	109130
Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.2	42.2





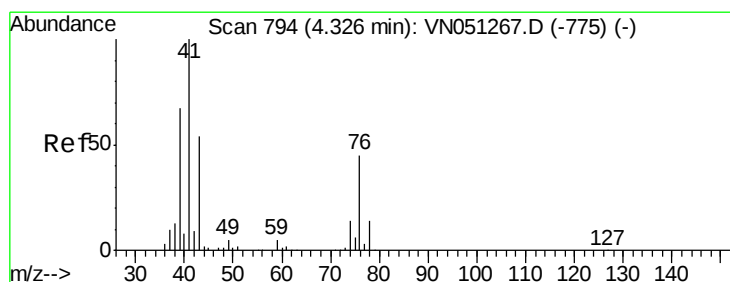
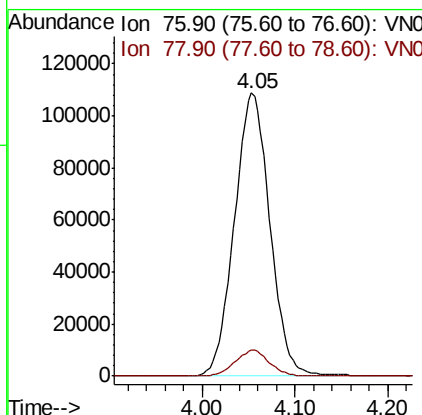
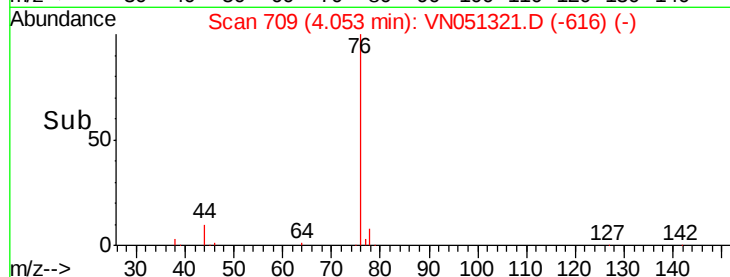
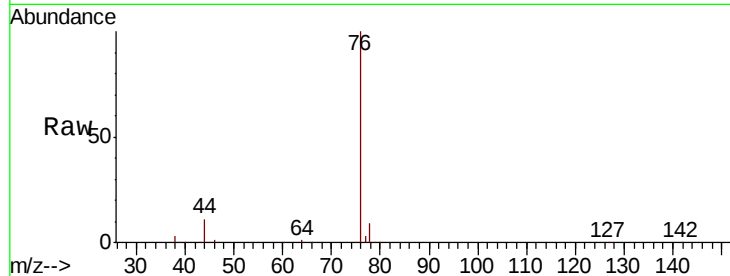
#17
Carbon Disulfide
Concen: 17.82 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

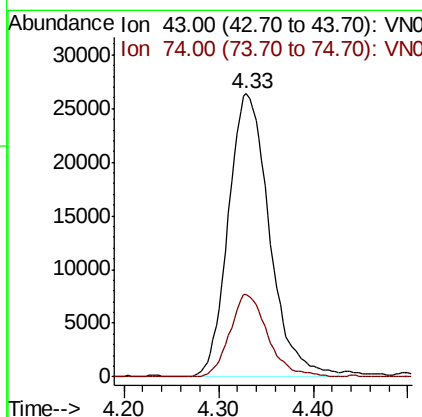
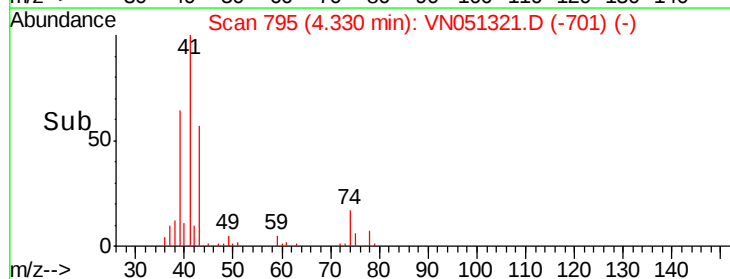
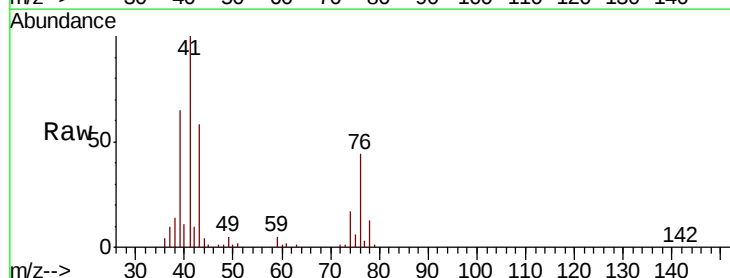
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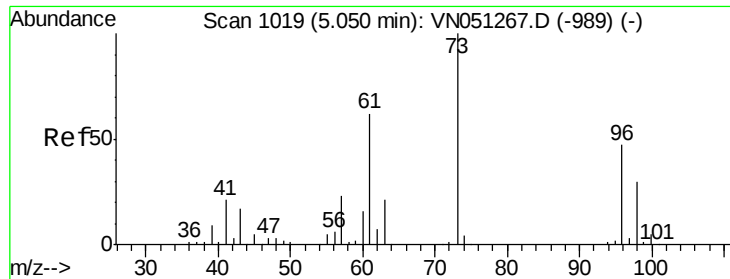
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#18
Methyl Acetate
Concen: 20.33 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	20.8	31.2





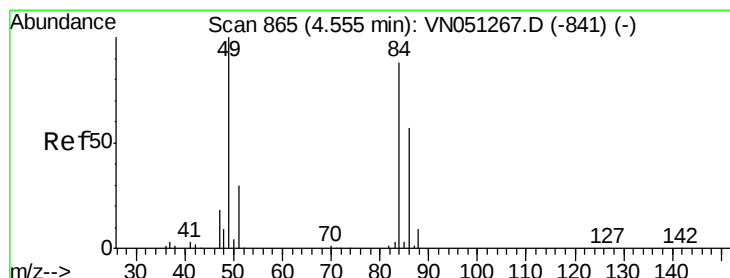
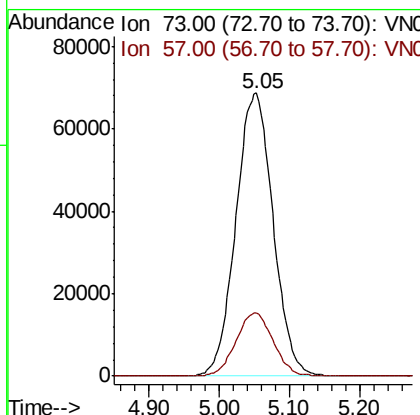
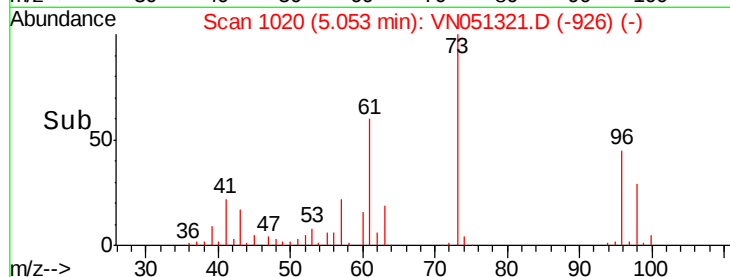
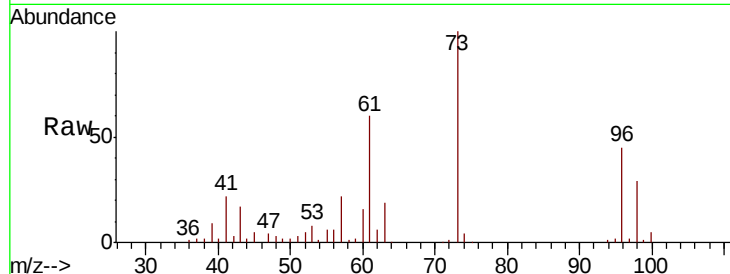
#19
Methyl tert-butyl Ether
Concen: 20.07 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1

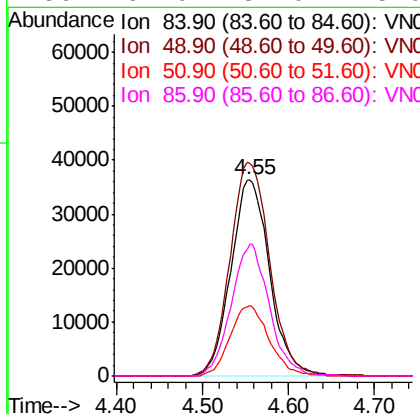
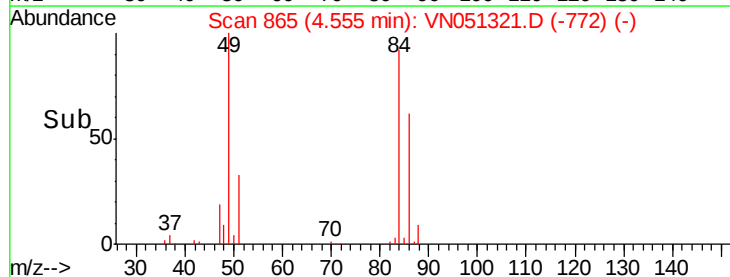
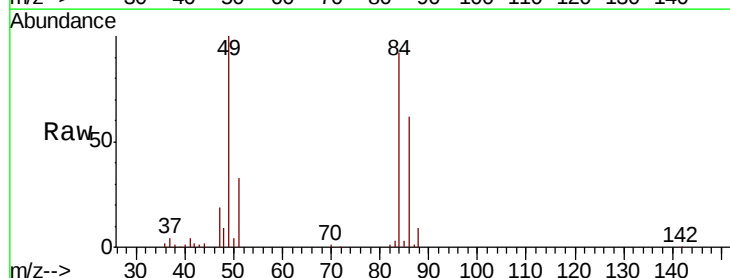
Manual Integrations
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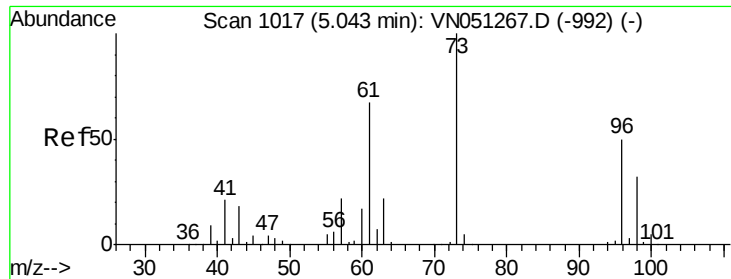
MMDadoda
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#20
Methylene Chloride
Concen: 18.41 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.5	91.2	136.8
51	36.1	27.7	41.5
86	67.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 18.44 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 96 Resp: 106156

Ion Ratio Lower Upper

96 100

61 124.4 106.7 160.1

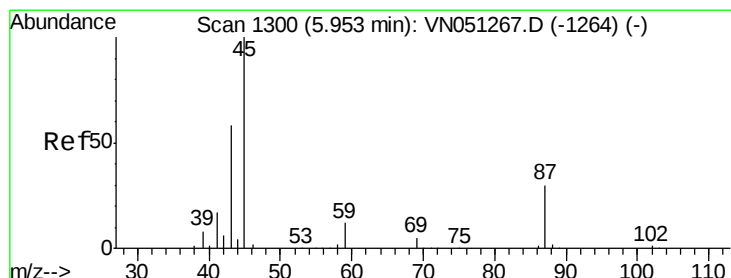
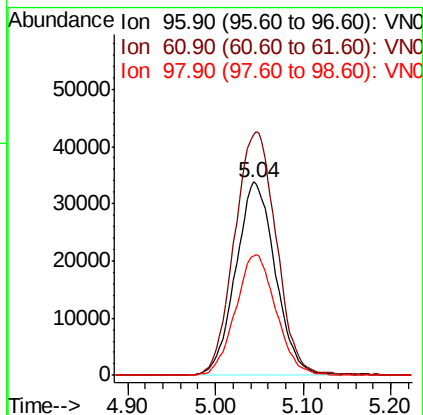
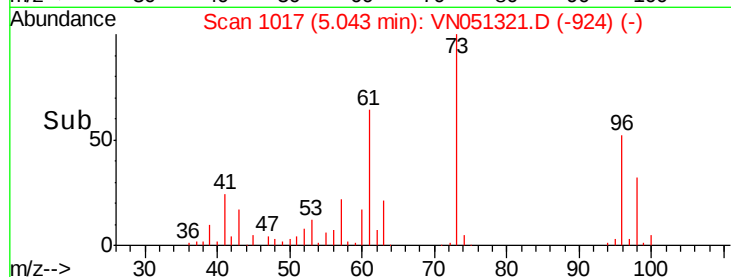
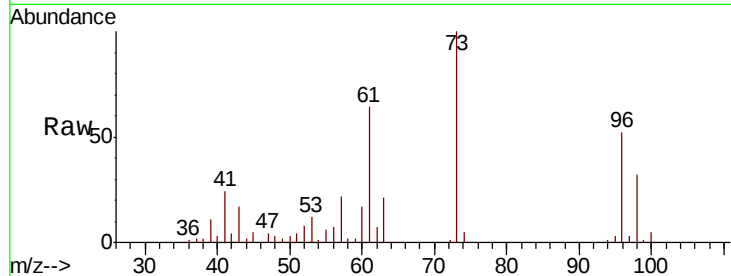
98 62.0 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.57 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion: 45 Resp: 308942

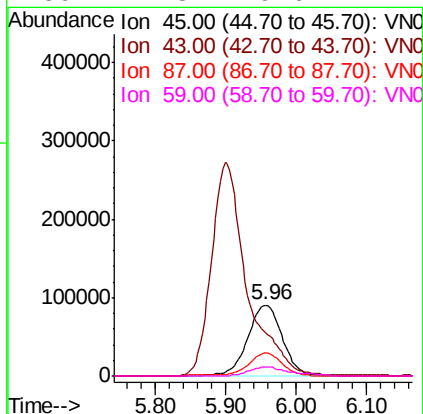
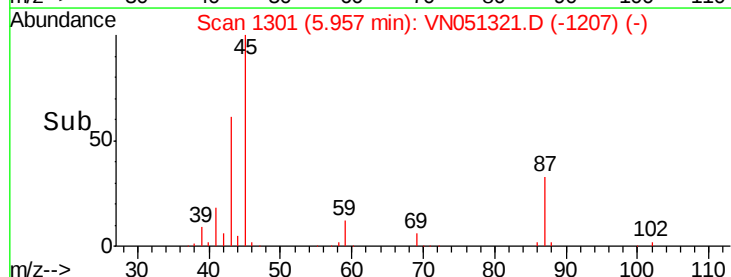
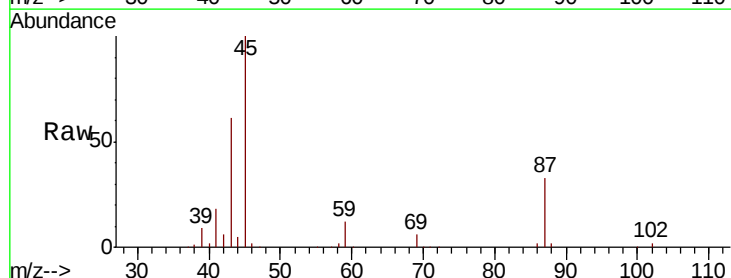
Ion Ratio Lower Upper

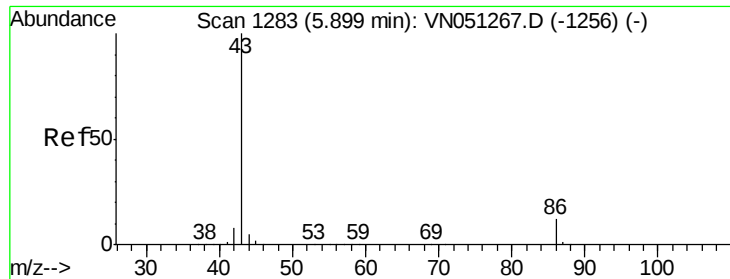
45 100

43 59.8 46.7 70.1

87 33.0 24.6 36.8

59 11.8 9.6 14.4





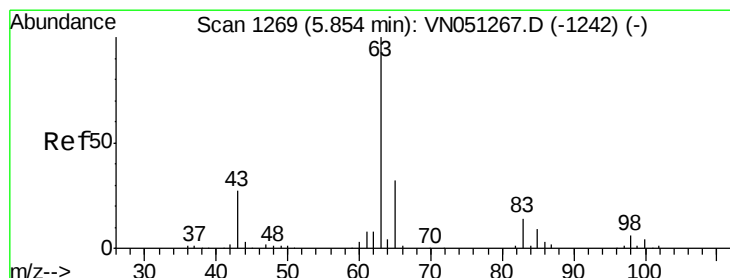
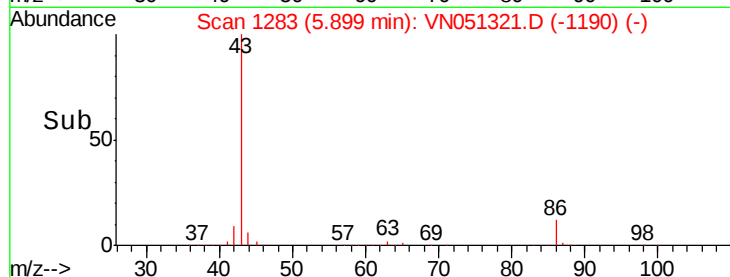
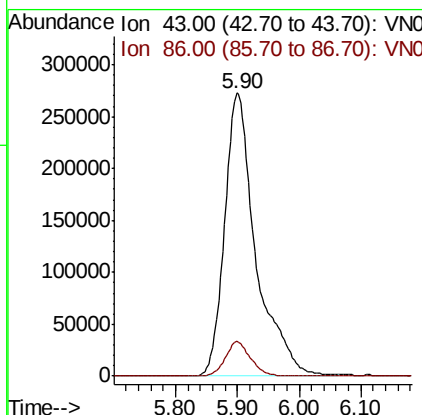
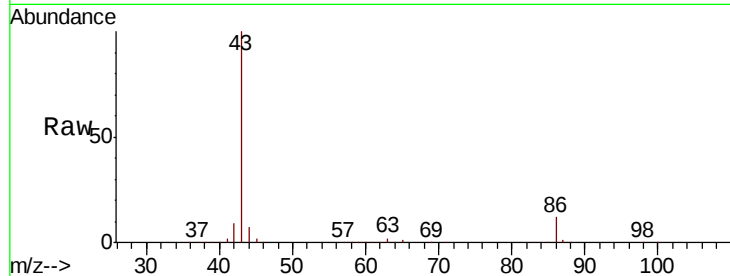
#23
 Vinyl Acetate
 Concen: 98.34 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	43	Resp	956880
Ion Ratio	100	Lower	Upper
43	100		
86	12.2	9.3	13.9

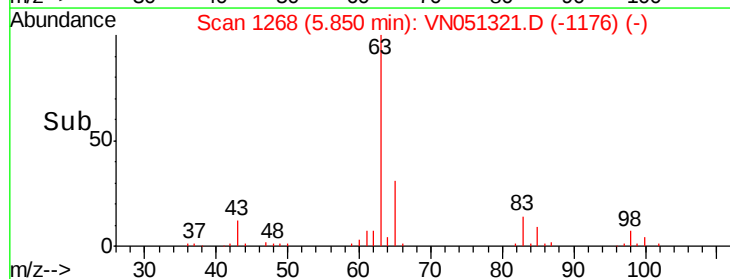
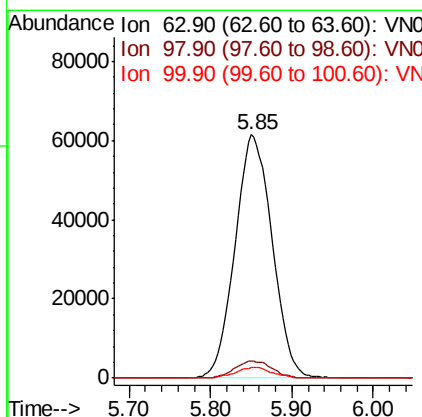
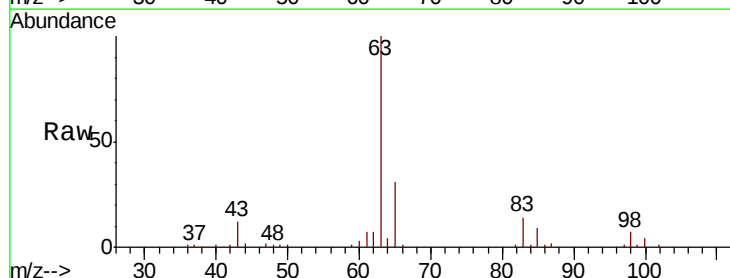
Manual Integrations
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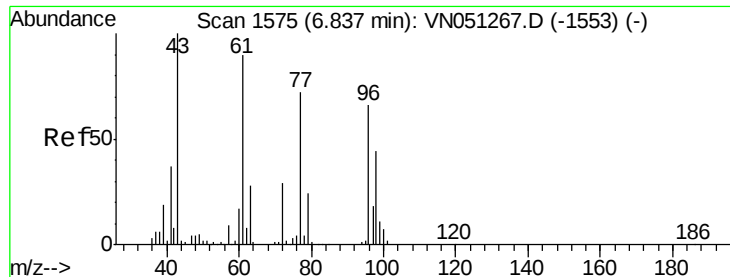
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#24
 1,1-Dichloroethane
 Concen: 19.34 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	63	Resp	194140
Ion Ratio	100	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	4.3	2.3	6.8





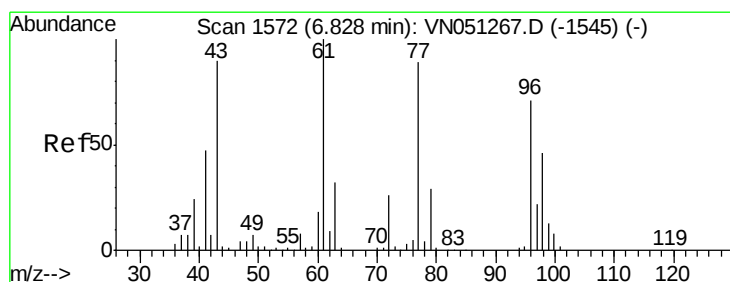
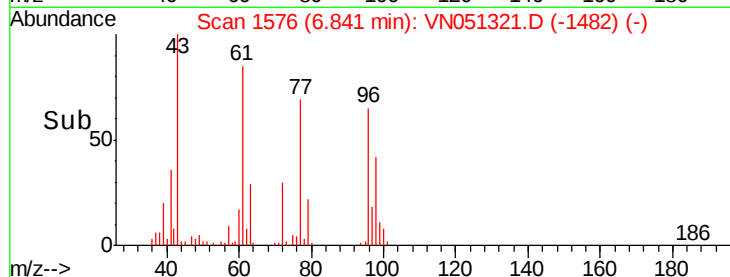
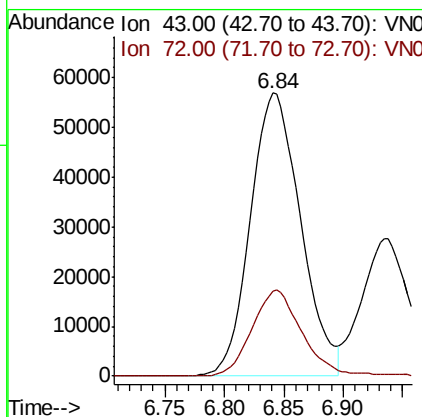
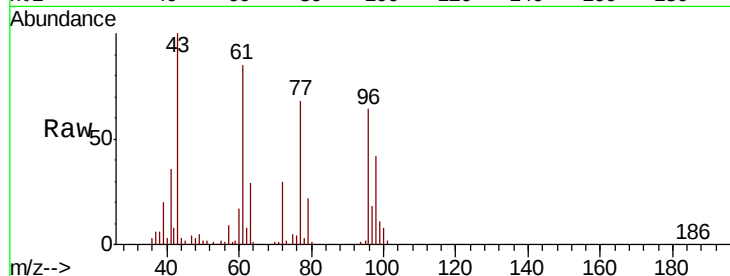
#25
2-Butanone
Concen: 92.32 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion: 43 Resp: 166708
Ion Ratio Lower Upper
43 100
72 29.8 23.4 35.0

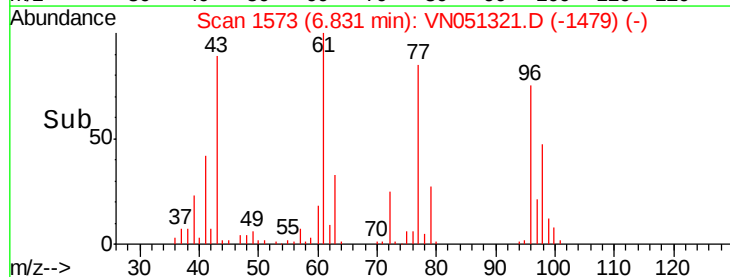
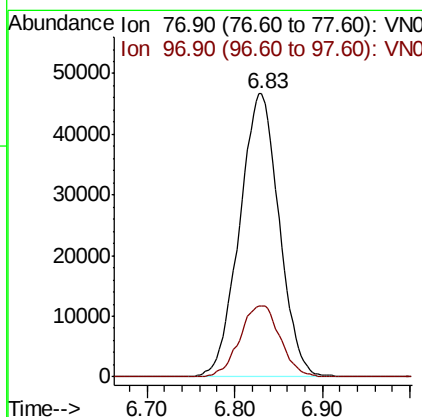
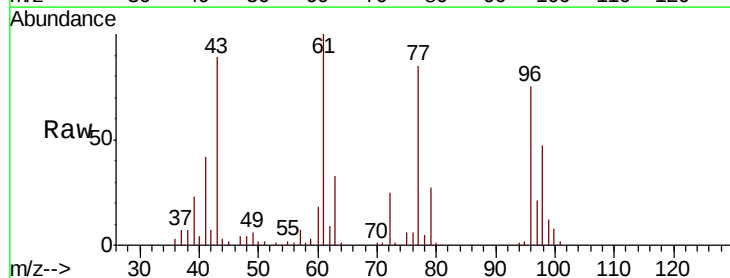
Manual Integrations
APPROVED

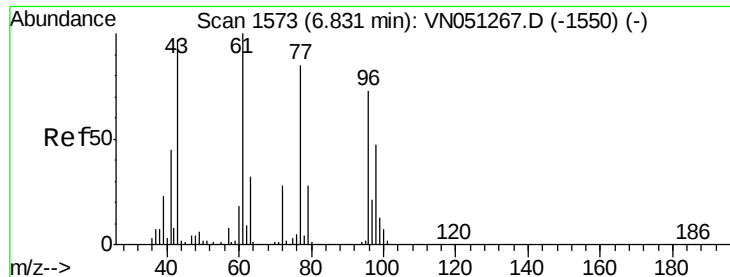
MMDadoda
9/20/2018 1:42:08 PM



#26
2,2-Dichloropropane
Concen: 17.93 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 77 Resp: 146418
Ion Ratio Lower Upper
77 100
97 25.6 12.2 36.4





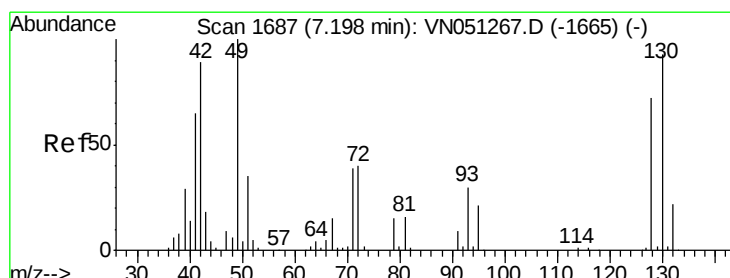
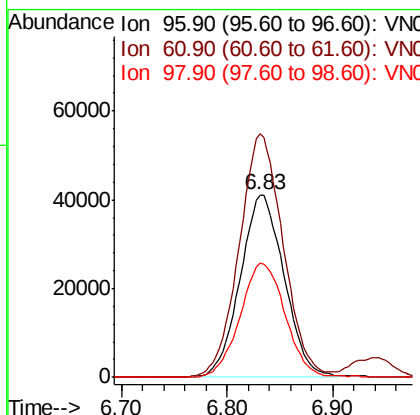
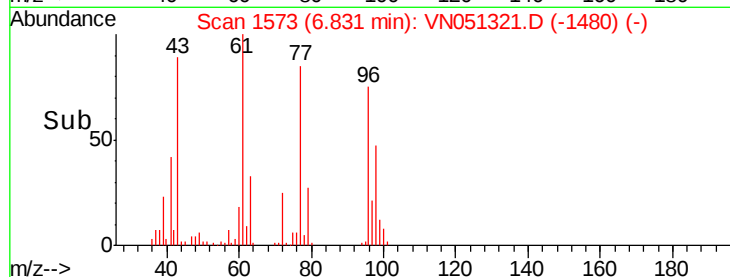
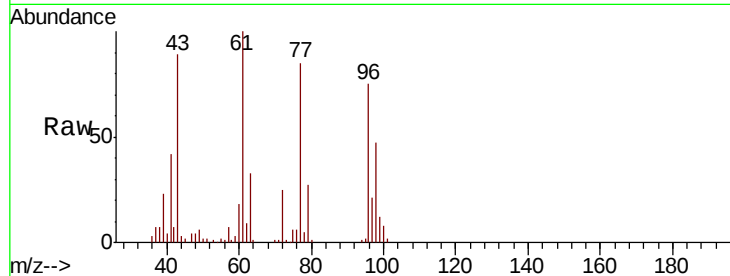
#27
 cis-1,2-Dichloroethene
 Concen: 19.40 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119331		
61	133.1	0.0	276.2	
98	64.1	0.0	129.2	

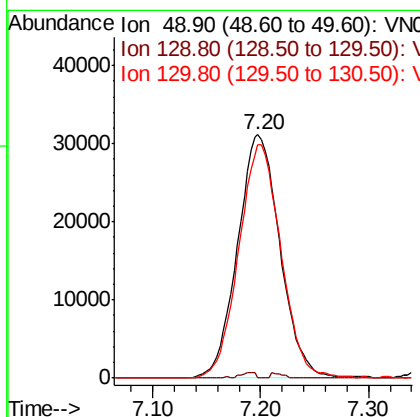
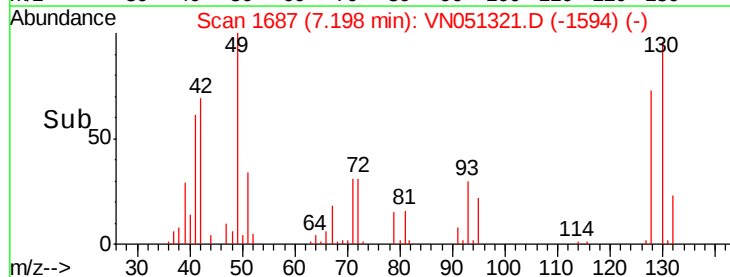
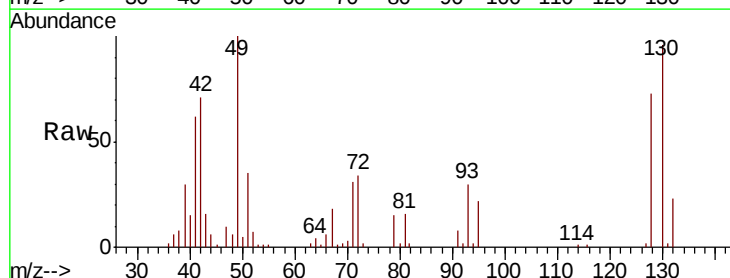
Manual Integrations
 APPROVED

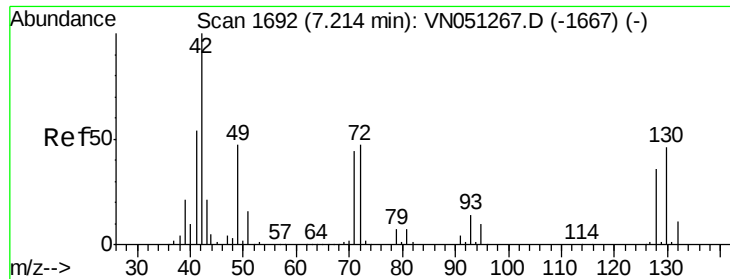
MMDadoda
 9/20/2018 1:42:08 PM



#28
 Bromochloromethane
 Concen: 19.21 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84950		
129	0.8	0.0	4.6	
130	95.5	73.7	110.5	





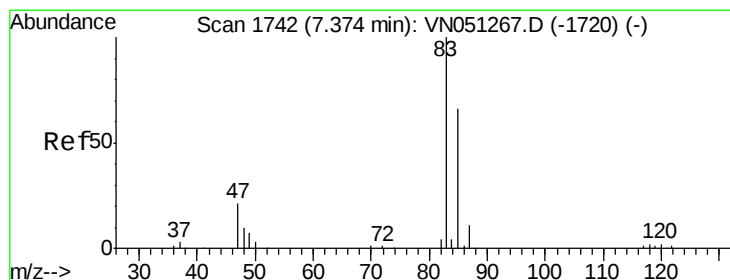
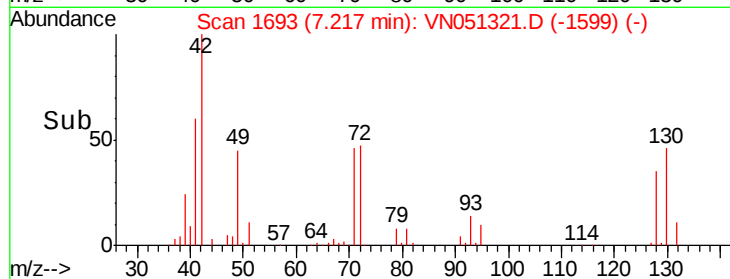
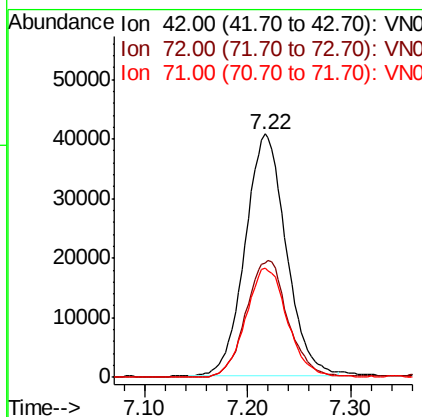
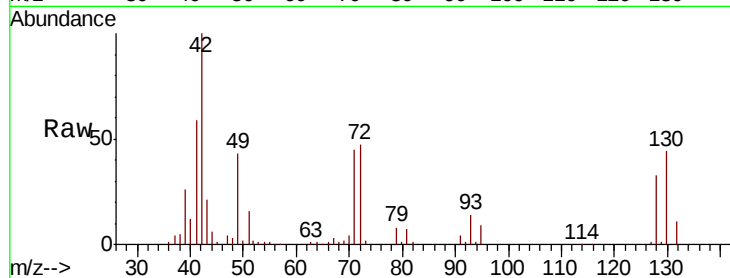
#29
Tetrahydrofuran
Concen: 100.61 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	37.6	56.4
71	45.6	35.4	53.2

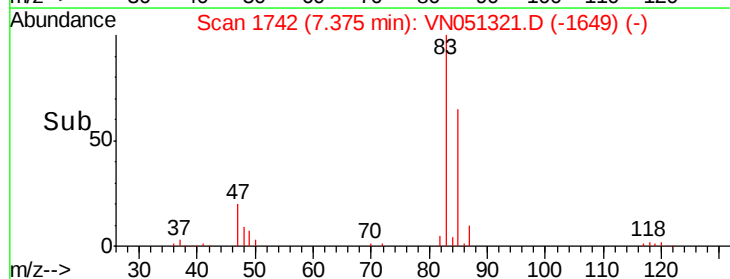
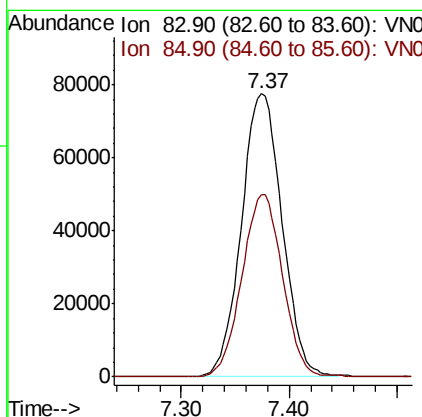
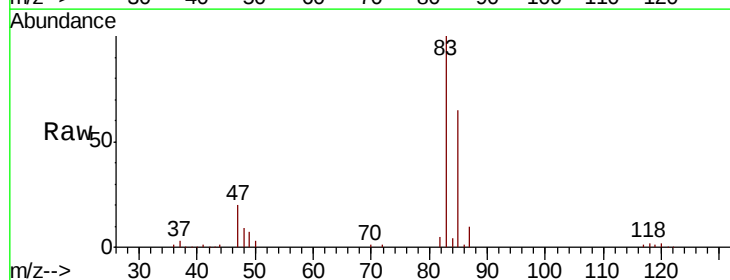
Manual Integrations
APPROVED

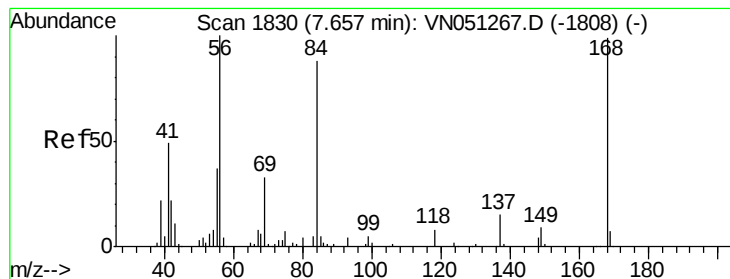
MMDadoda
9/20/2018 1:42:08 PM



#30
Chloroform
Concen: 19.83 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





#31

Cyclohexane

Concen: 17.94 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 56 Resp: 163480

Ion Ratio Lower Upper

56 100

69 38.1 26.2 39.2

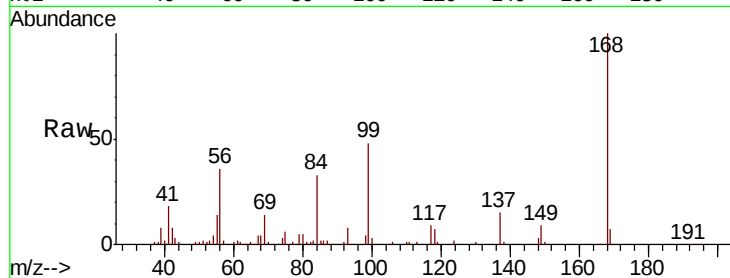
84 92.6 70.6 106.0

Manual Integrations

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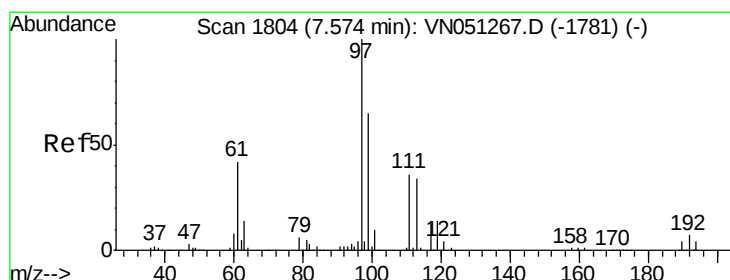
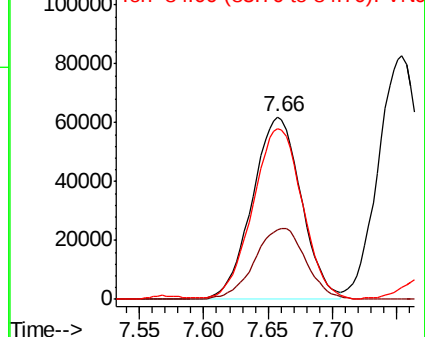
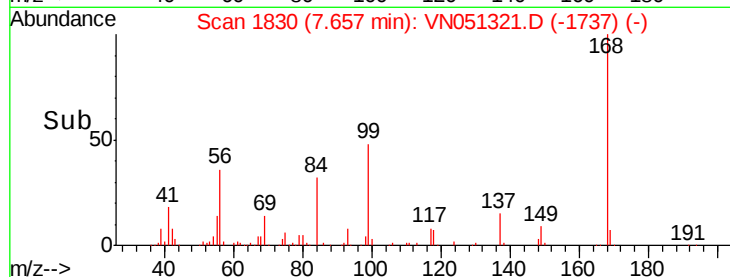
9/20/2018 1:42:08 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051321.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051321.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051321.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 19.82 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

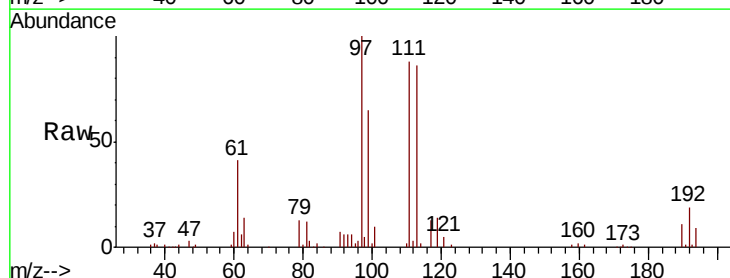
Tgt Ion: 97 Resp: 174384

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

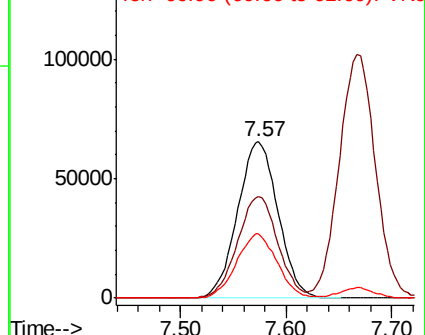
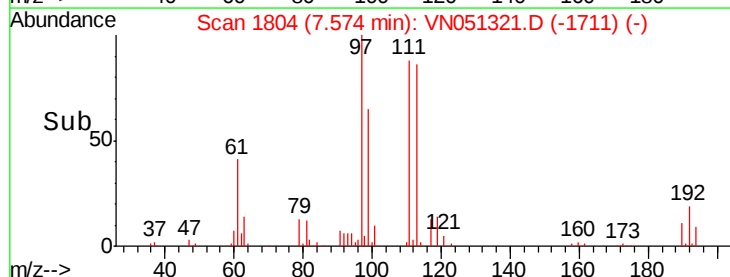
61 41.1 33.4 50.2

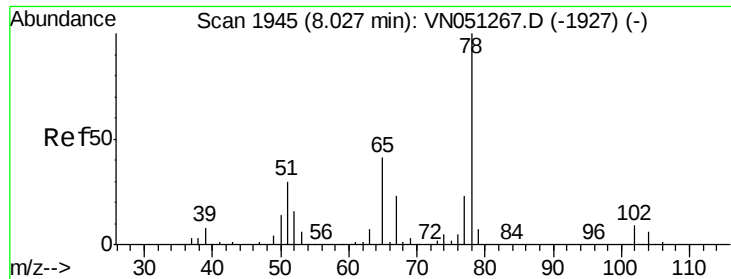


Abundance Ion 96.90 (96.60 to 97.60): VN051321.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051321.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051321.D (-1711) (-)





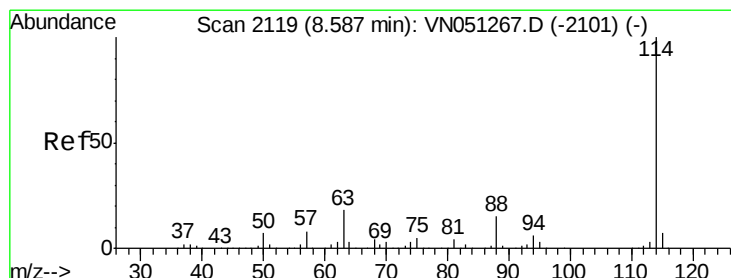
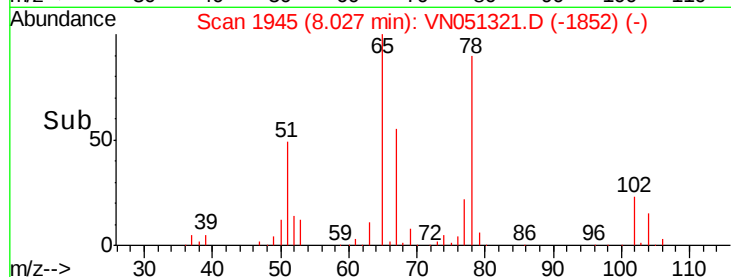
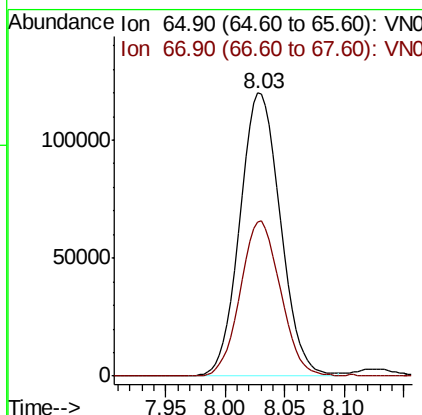
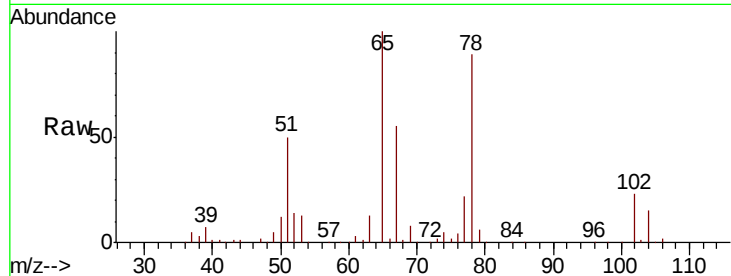
#33
 1,2-Dichloroethane-d4
 Concen: 50.30 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	283537		
67	54.2	0.0	111.0	

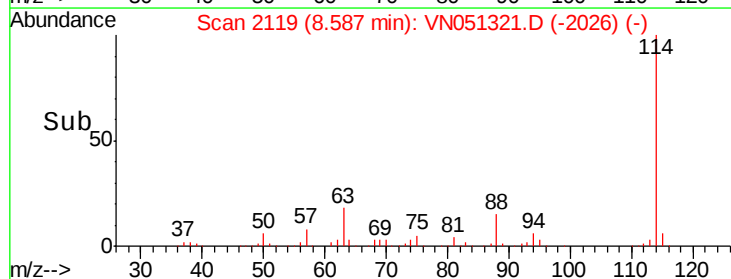
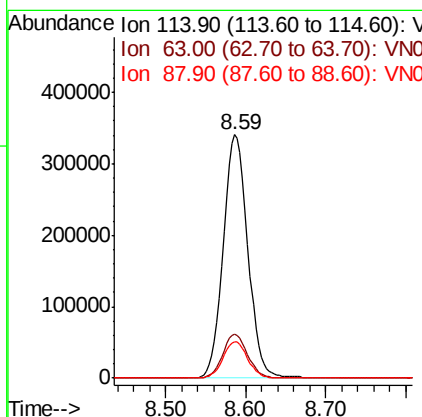
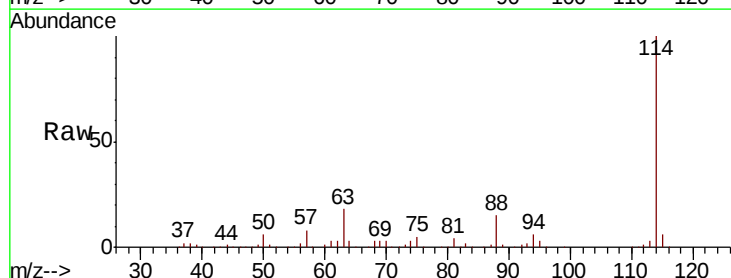
Manual Integrations
 APPROVED

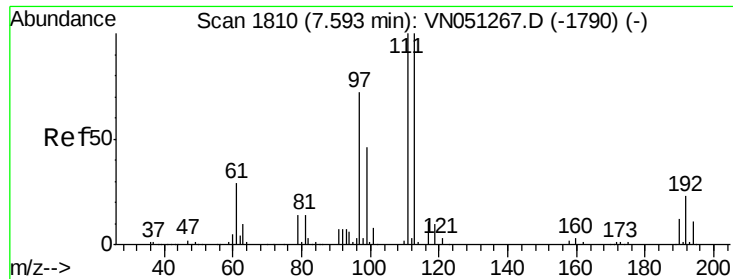
MMDadoda
 9/20/2018 1:42:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	720615		
63	18.0	0.0	36.8	
88	15.0	0.0	30.8	





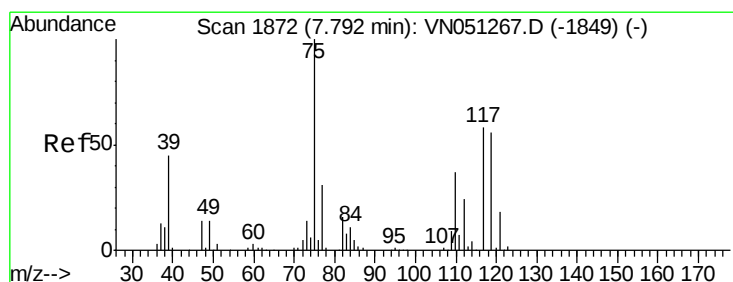
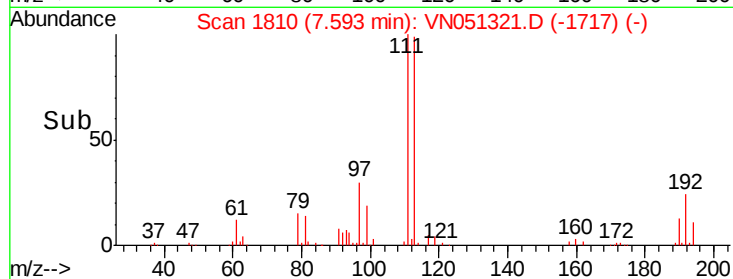
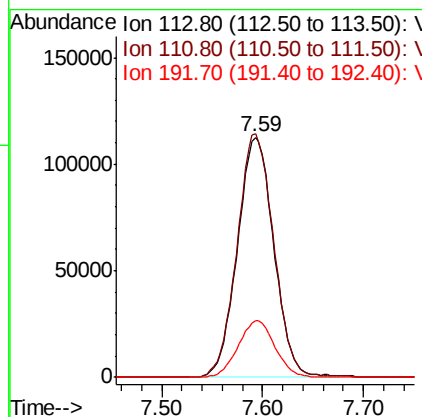
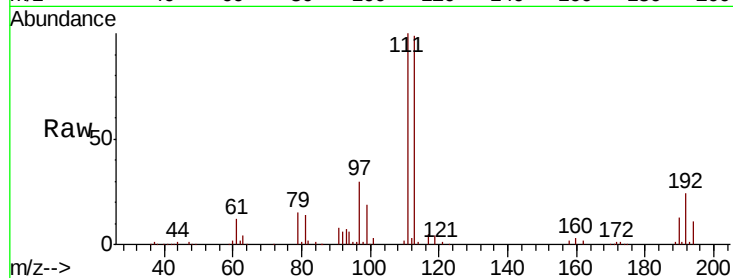
#35
Dibromofluoromethane
Concen: 50.34 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	281883		
111	102.2	82.2	123.4	
192	23.9	19.0	28.6	

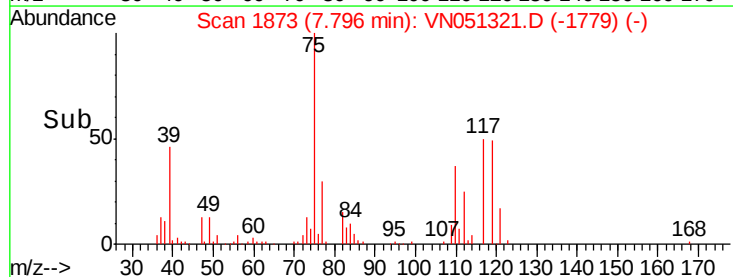
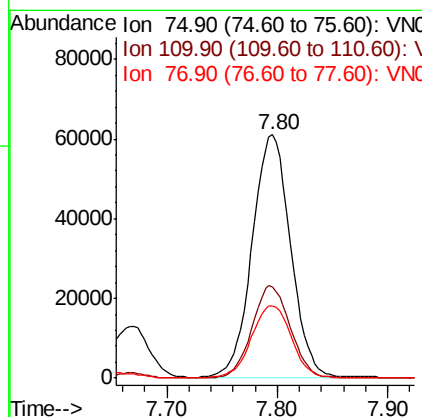
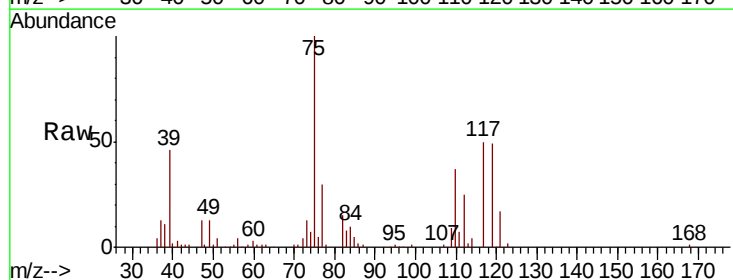
Manual Integrations
APPROVED

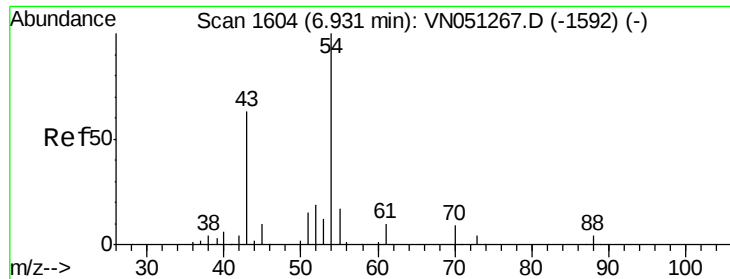
MMDadoda
9/20/2018 1:42:08 PM



#36
1,1-Dichloropropene
Concen: 18.76 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146369		
110	38.1	18.6	56.0	
77	31.5	24.7	37.1	





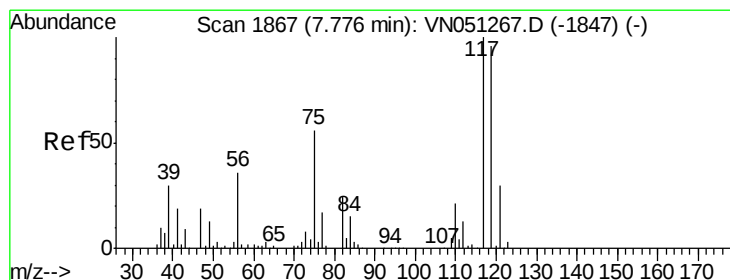
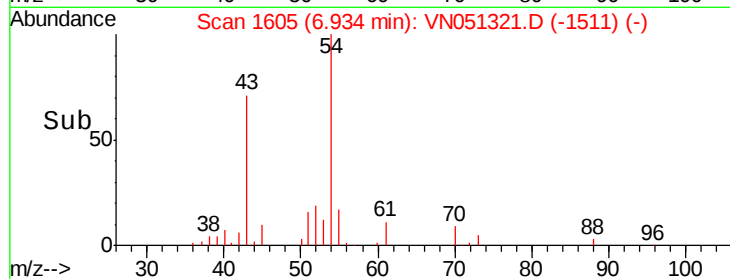
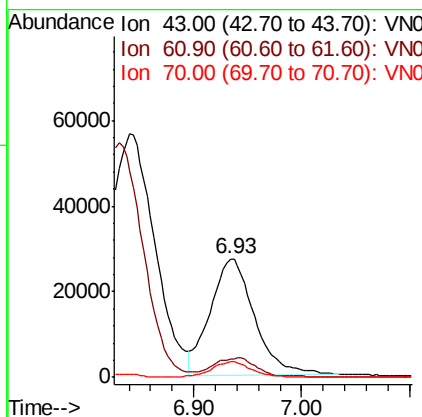
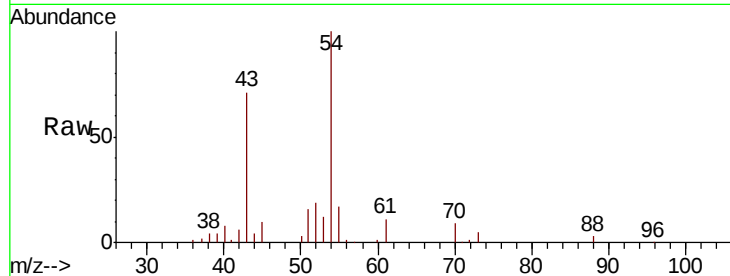
#37
Ethyl Acetate
Concen: 19.60 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.3	18.5
70	12.3	9.4	14.0

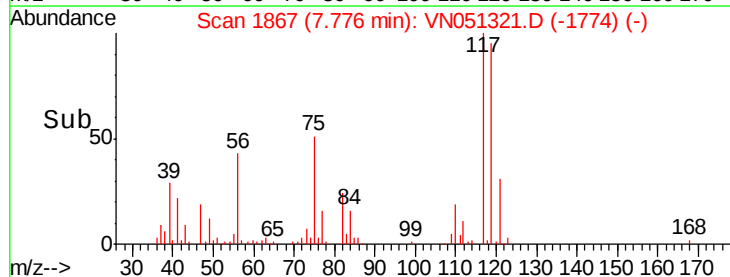
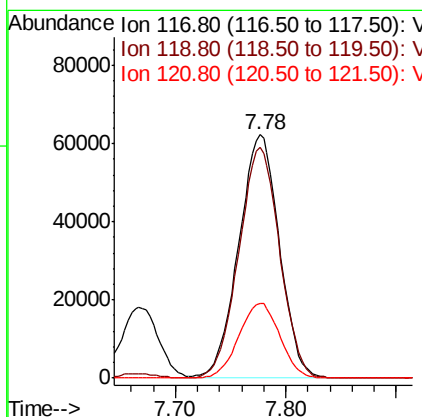
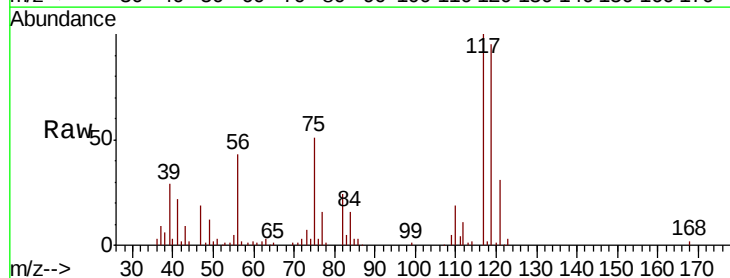
Manual Integrations
APPROVED

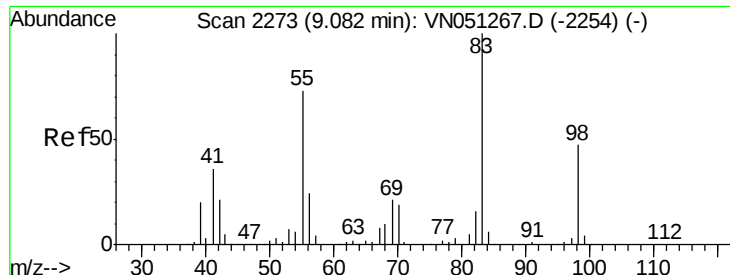
MMDadoda
9/20/2018 1:42:08 PM



#38
Carbon Tetrachloride
Concen: 19.52 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.8	115.2
121	30.8	24.2	36.2





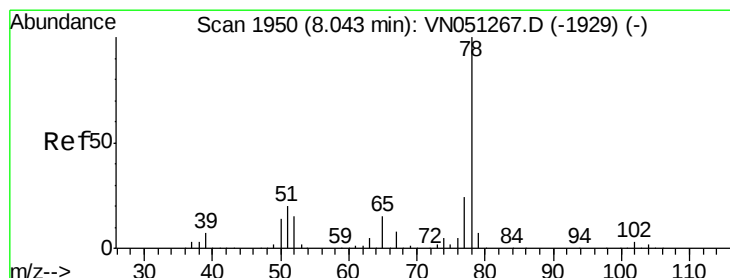
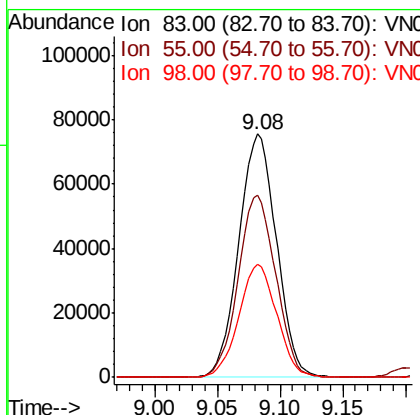
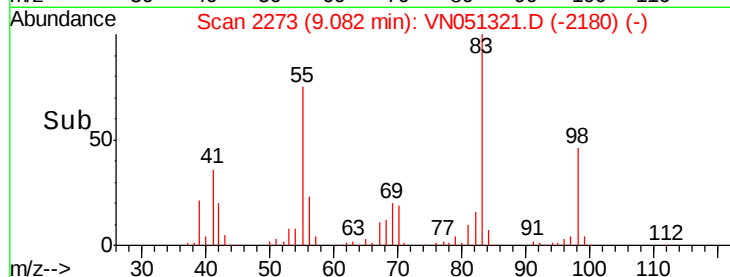
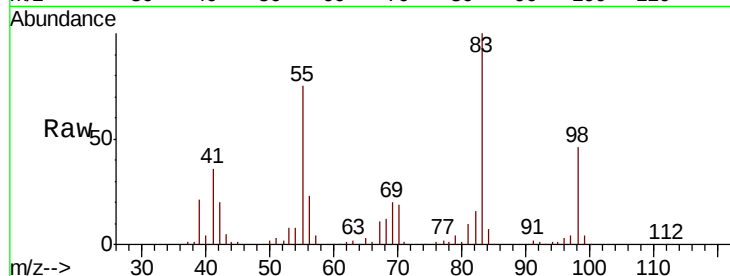
#39
Methvlcvclohexane
Concen: 18.62 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	58.7	88.1
98	46.4	37.3	55.9

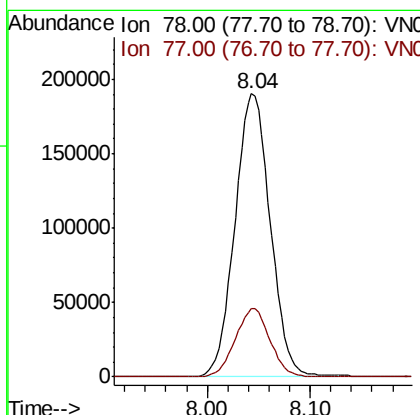
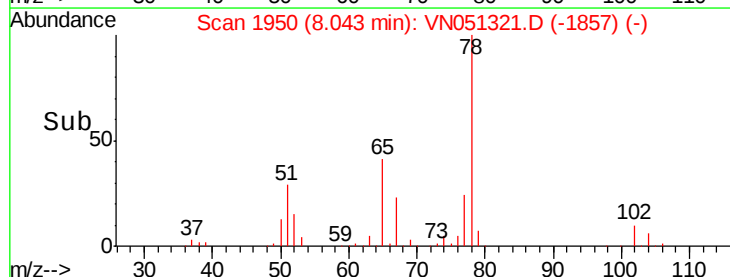
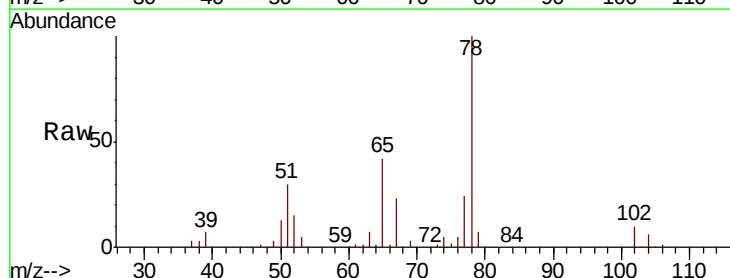
Manual Integrations
APPROVED

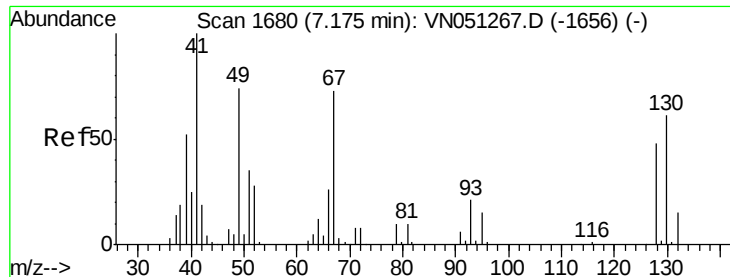
MMDadoda
9/20/2018 1:42:08 PM



#40
Benzene
Concen: 19.57 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





#41

Methacrylonitrile

Concen: 19.72 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

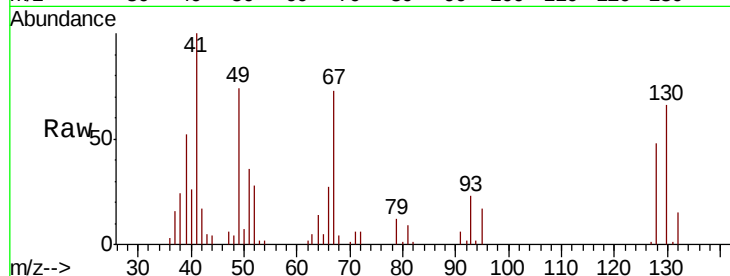
VN0919WBS02

Tot Ion: 41 Resp: 40577

Ion	Ratio	Lower	Upper
41	100		
39	56.7	47.8	71.6
67	94.2	69.8	104.6
52	36.5	26.6	40.0

Manual Integrations
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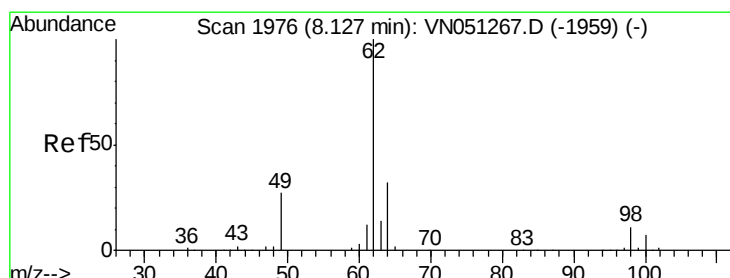
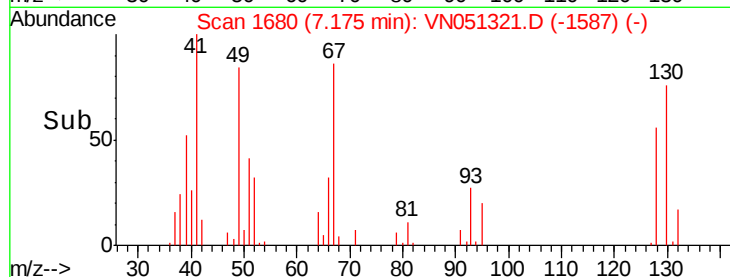
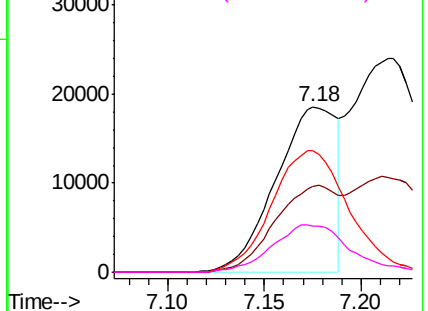


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.79 ug/l

RT: 8.13 min Scan# 1976

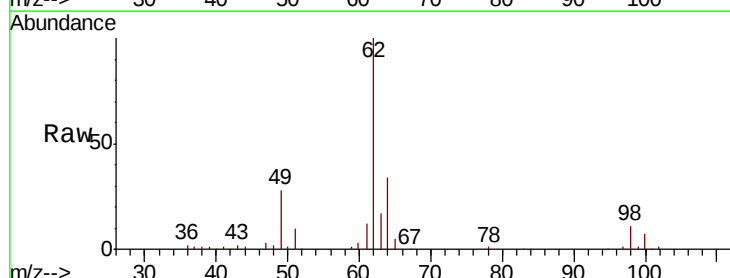
Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

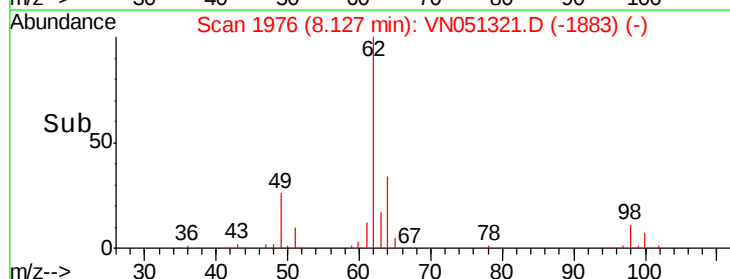
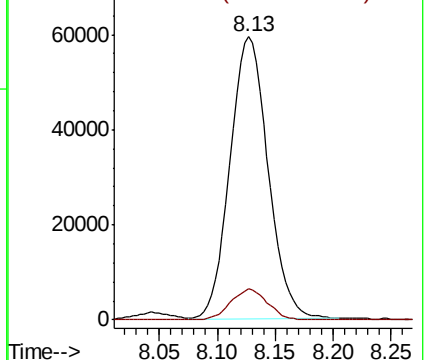
Tgt Ion: 62 Resp: 135068

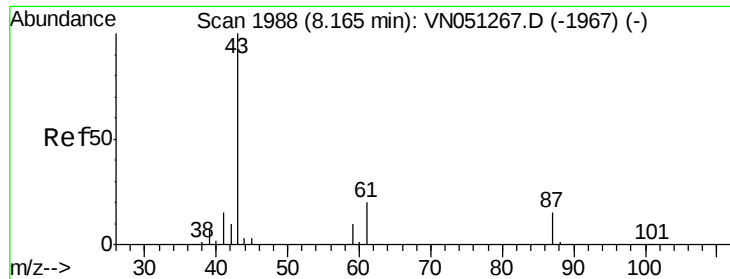
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.13 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

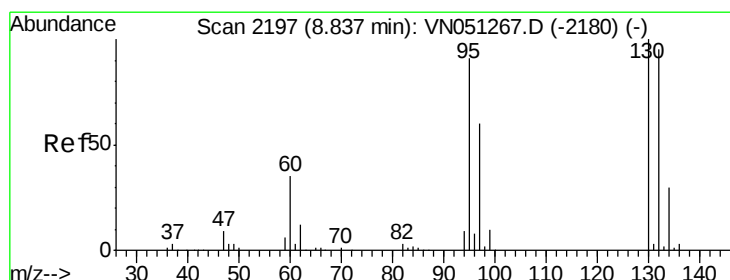
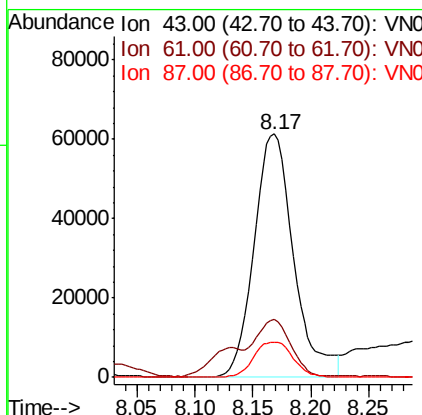
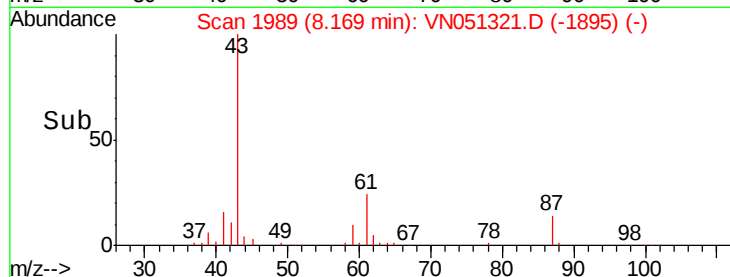
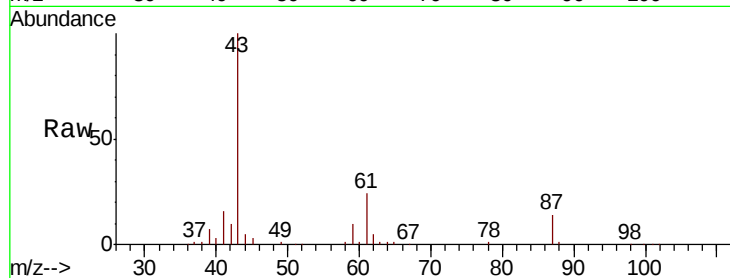
ClientSampleId :

VN0919WBS02

Tot Ion:	43	Resp:	146591
Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.4	26.2
87	14.3	12.2	18.4

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#44

Trichloroethene

Concen: 19.28 ug/l

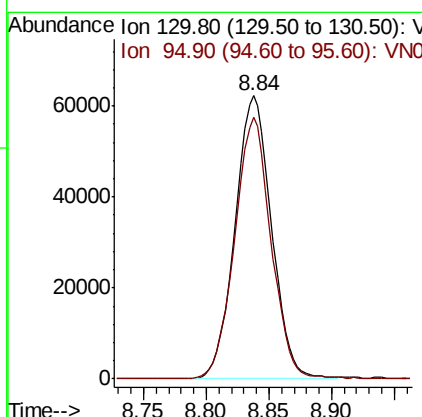
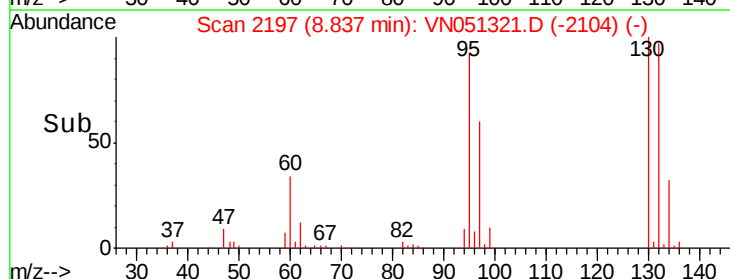
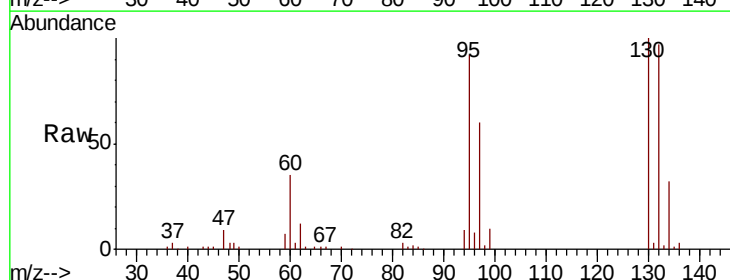
RT: 8.84 min Scan# 2197

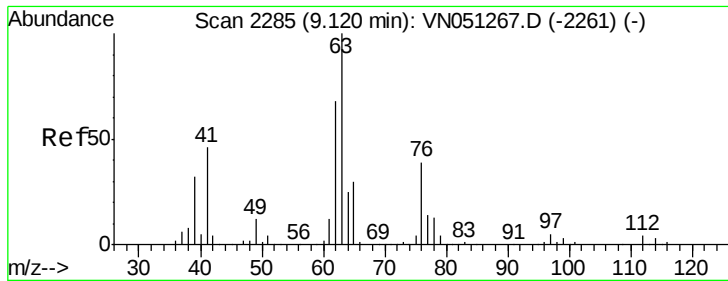
Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion:	130	Resp:	125798
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	181.8





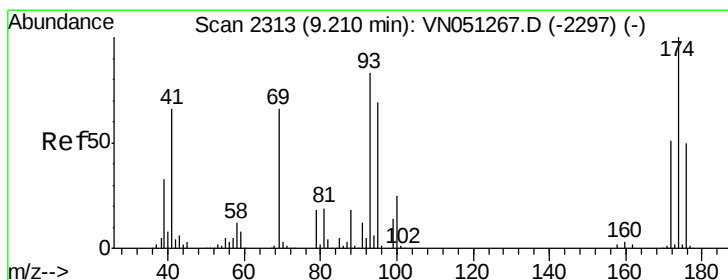
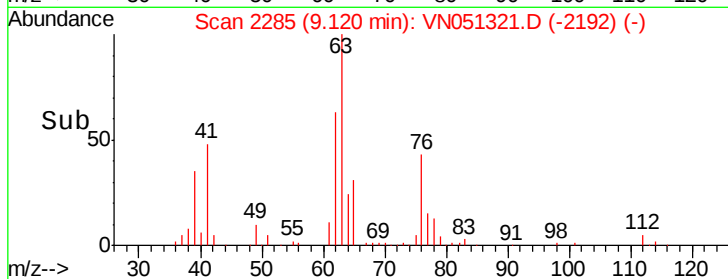
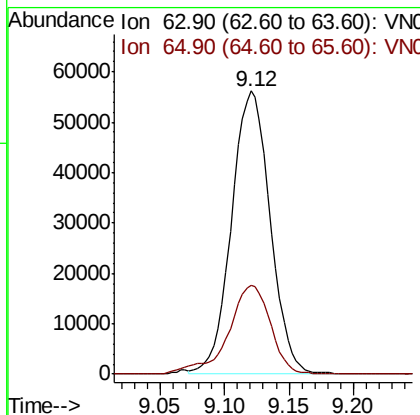
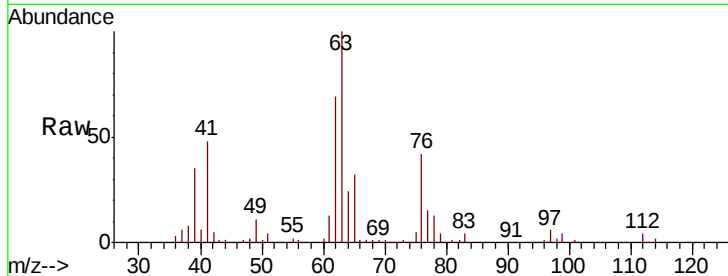
#45
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion: 63 Resp: 116022
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4

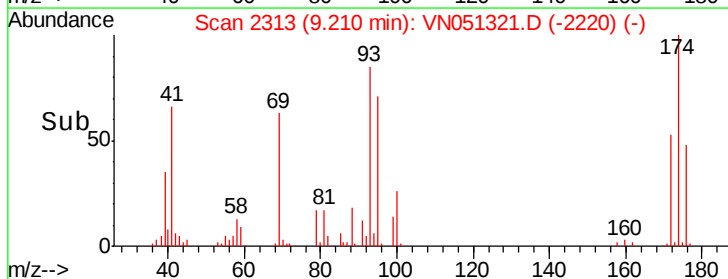
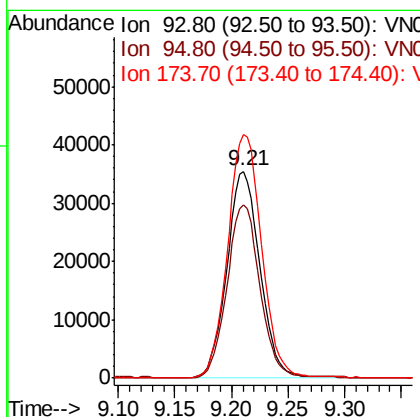
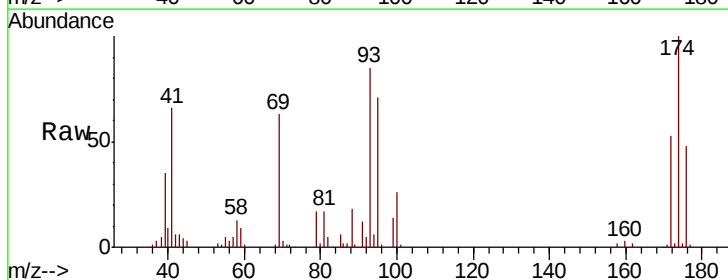
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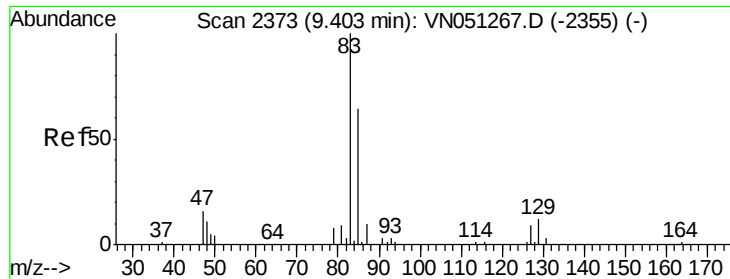
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#46
 Dibromomethane
 Concen: 20.21 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 93 Resp: 72442
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 120.9 95.6 143.4





#47

Bromodichloromethane

Concen: 19.71 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

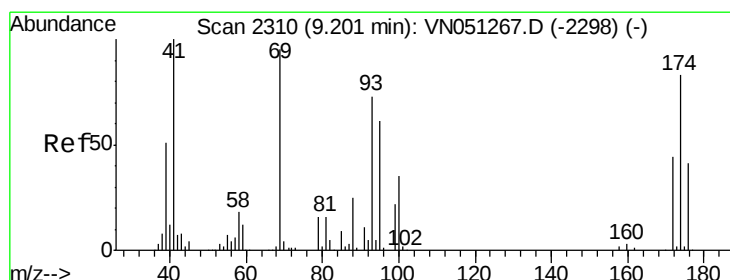
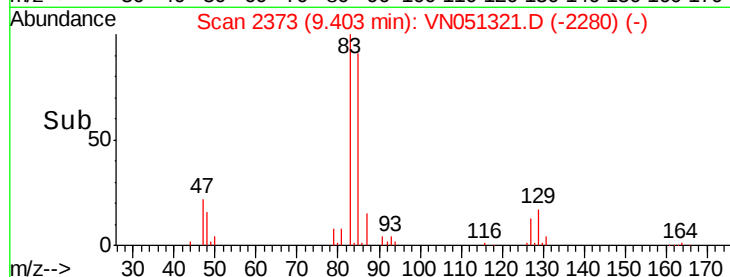
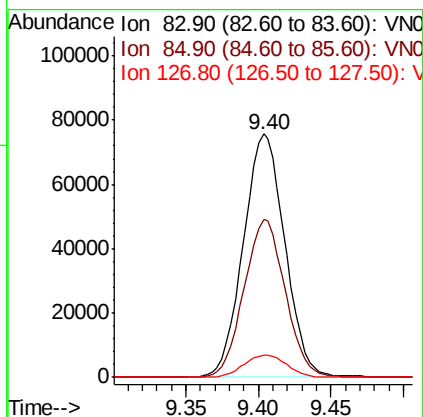
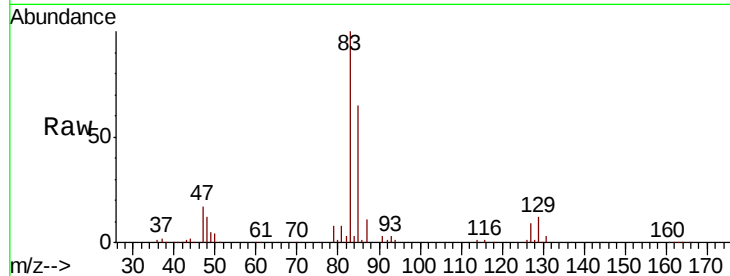
ClientSampleId :

VN0919WBS02

Tot Ion:	83	Resp:	150563
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.0	76.4
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.65 ug/l

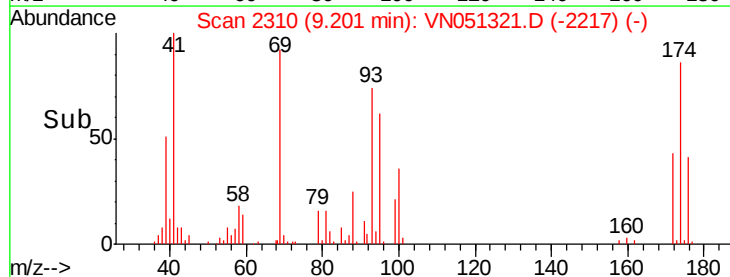
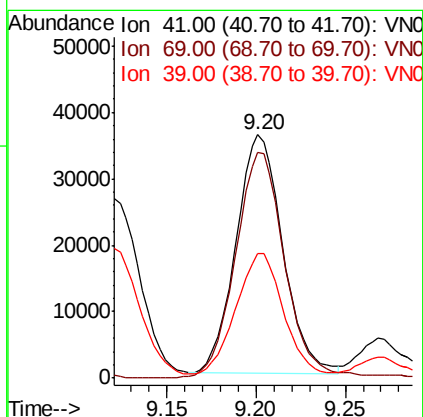
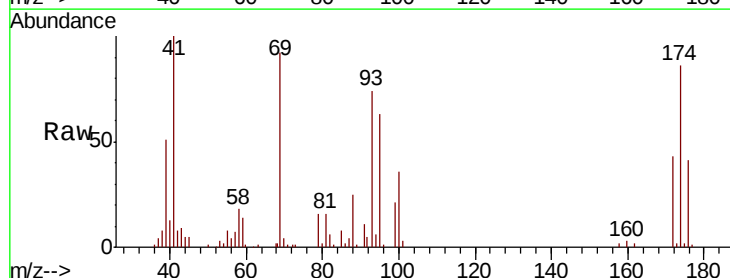
RT: 9.20 min Scan# 2310

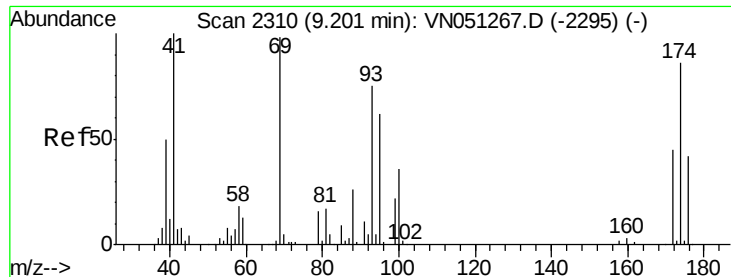
Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion:	41	Resp:	65669
Ion Ratio	Lower	Upper	
41	100		
69	100.9	78.9	118.3
39	53.8	42.2	63.2





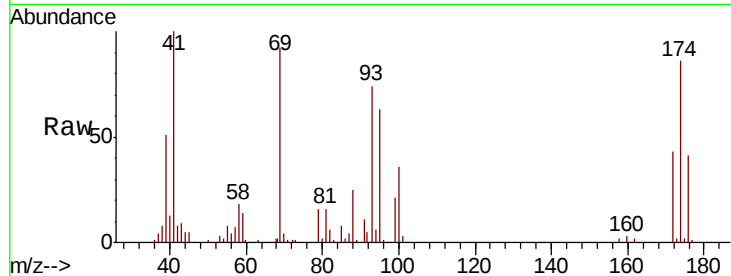
#49
1,4-Dioxane
Concen: 406.08 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

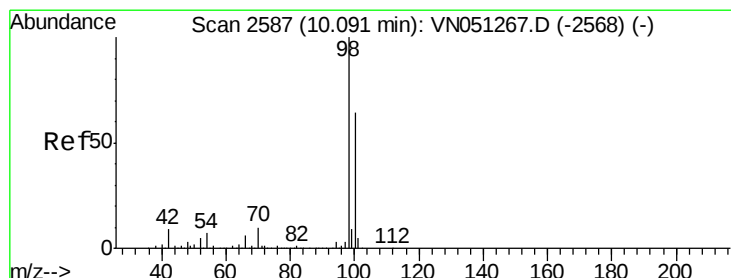
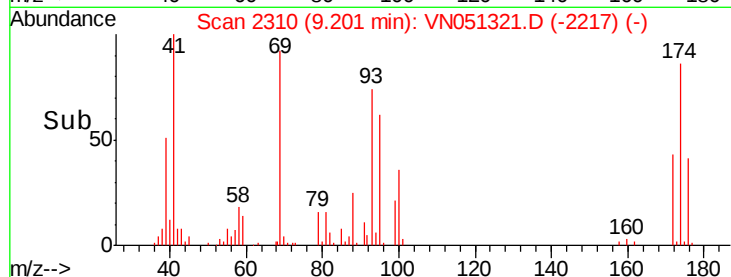
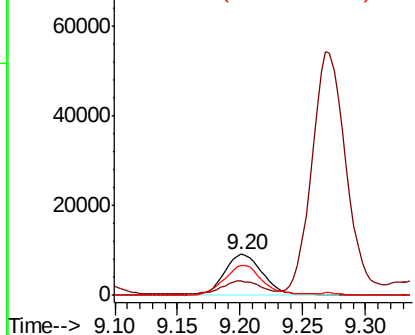
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.3	37.9
58	72.2	54.9	82.3

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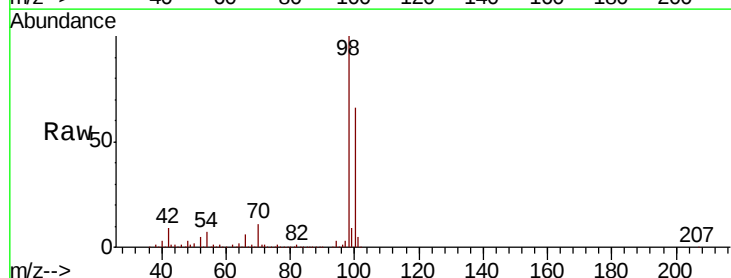


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

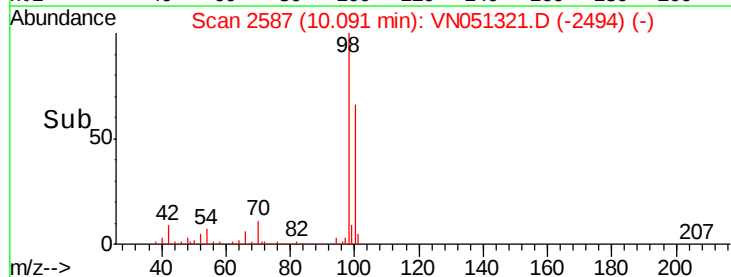
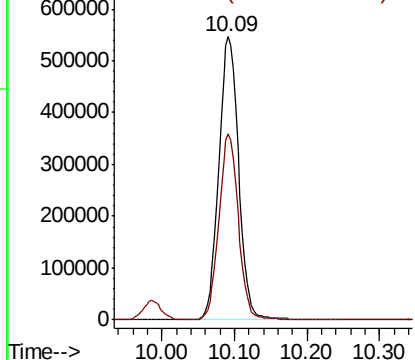


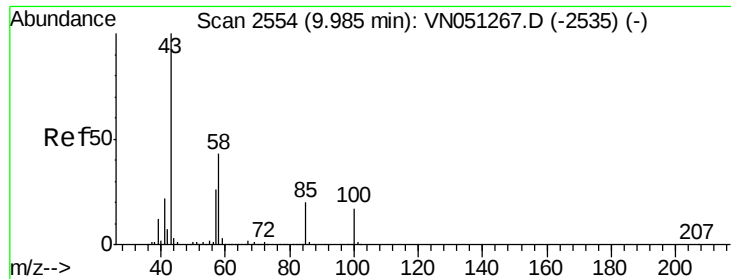
#50
Toluene-d8
Concen: 49.93 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





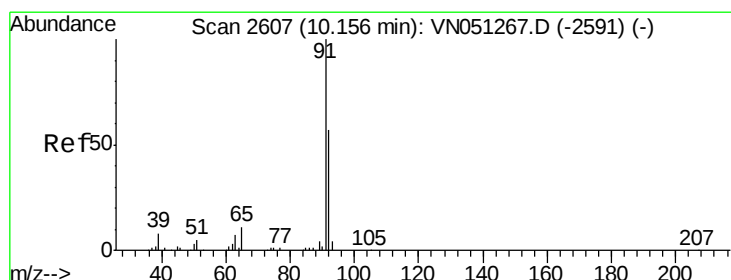
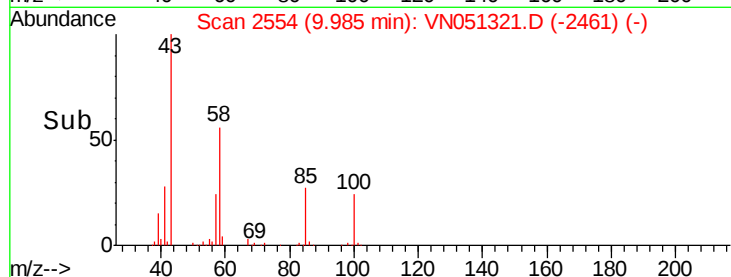
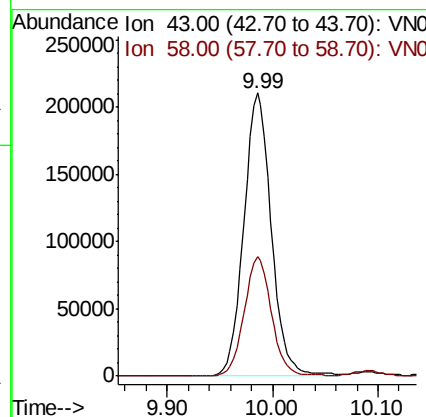
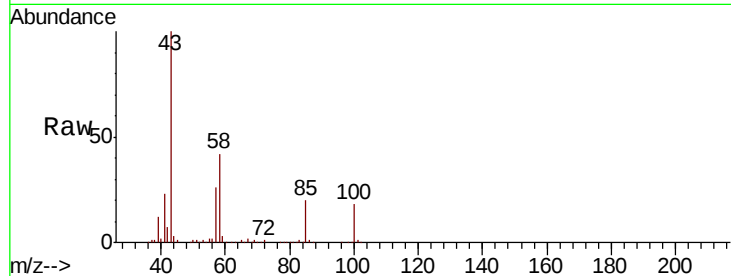
#51
4-Methyl-2-Pentanone
Concen: 105.98 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.0	33.8	50.6

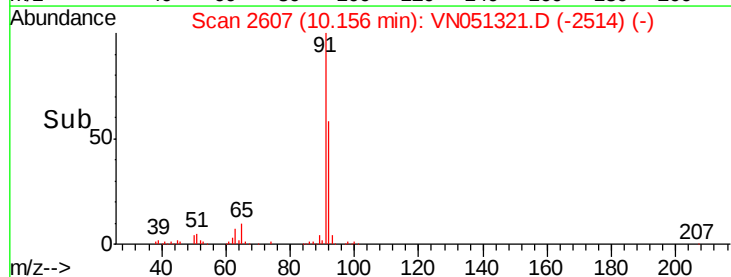
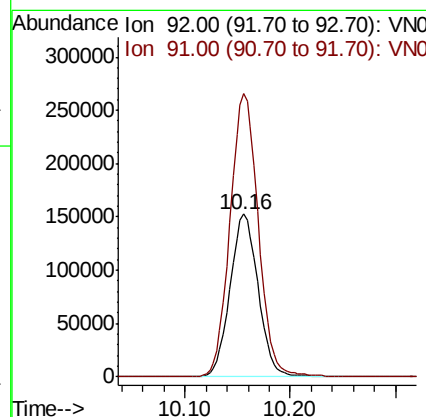
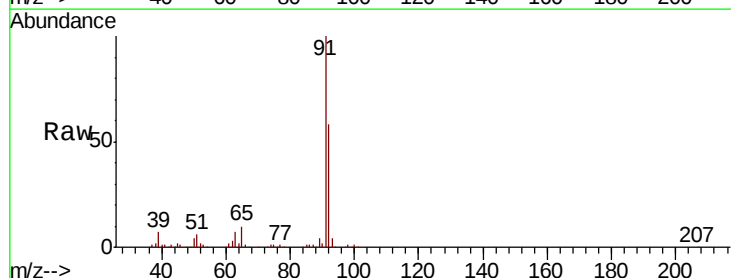
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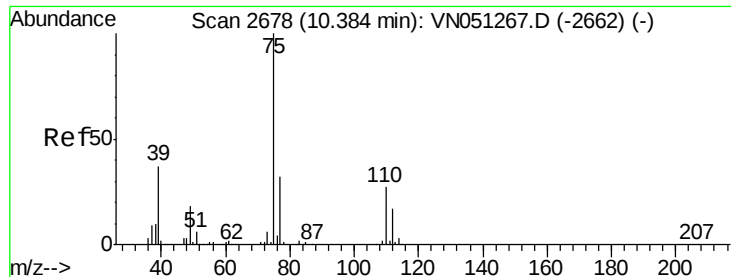
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#52
Toluene
Concen: 20.34 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.8	139.2	208.8





#53

t-1,3-Dichloropropene

Concen: 19.29 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 75 Resp: 138449

Ion Ratio Lower Upper

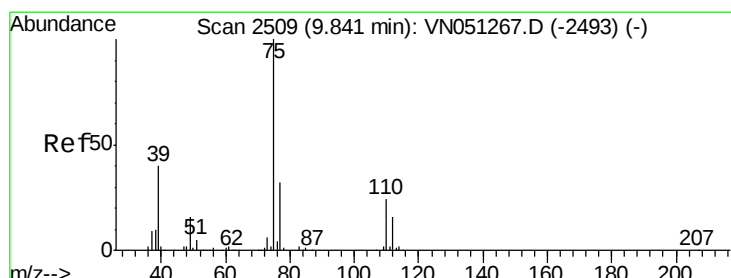
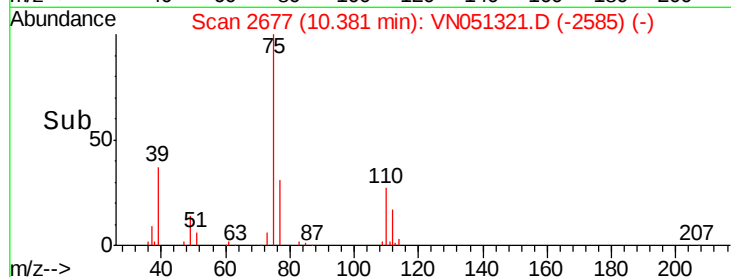
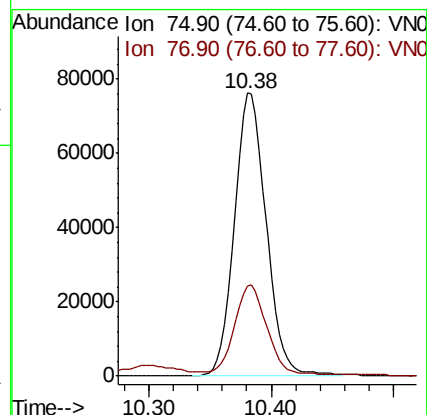
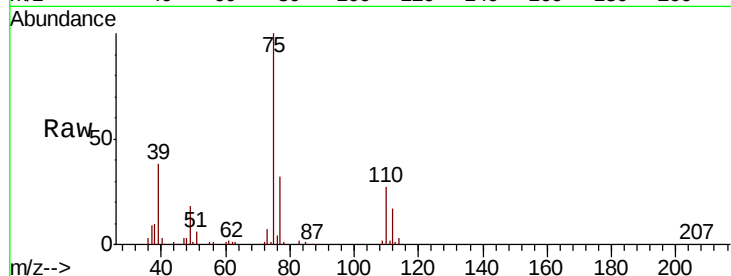
75 100

77 31.3 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 19.51 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

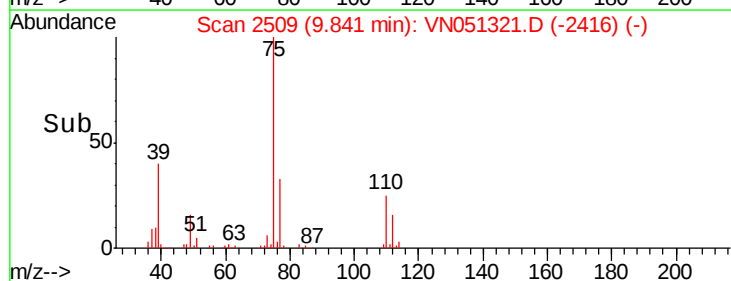
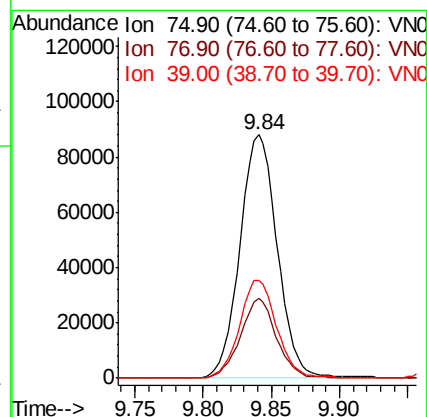
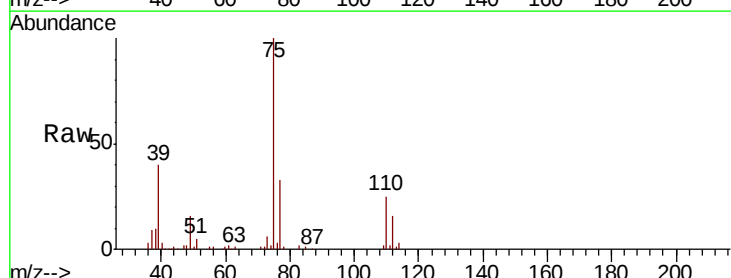
Tgt Ion: 75 Resp: 167302

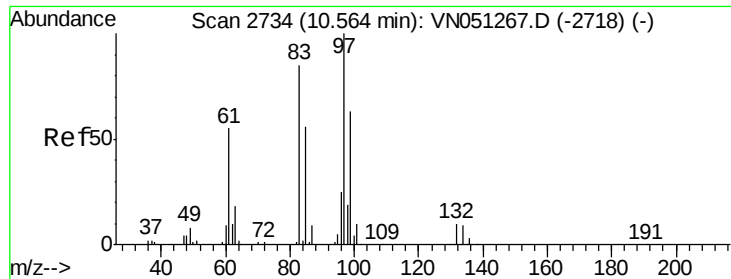
Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8

39 40.4 31.8 47.8





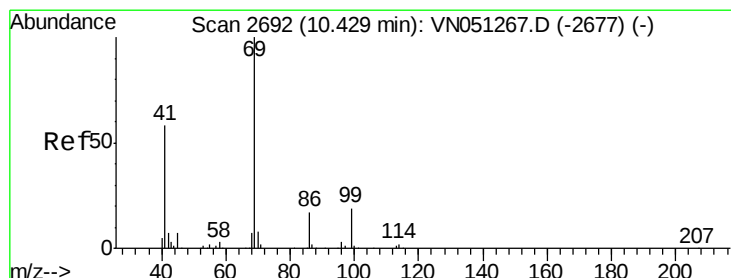
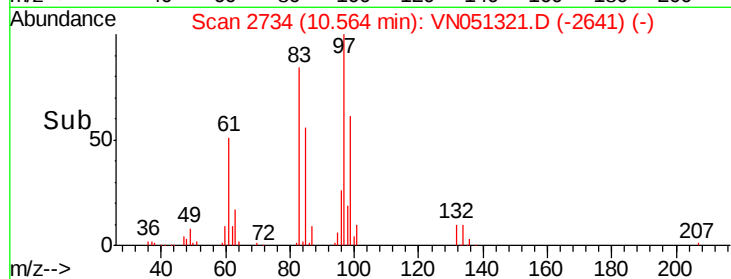
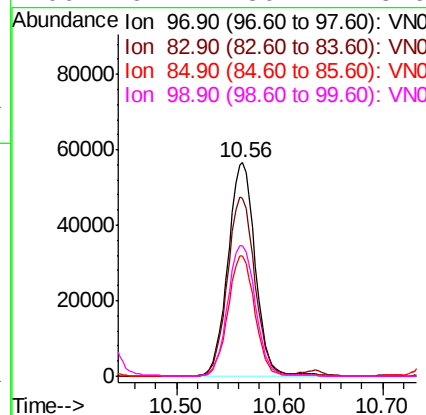
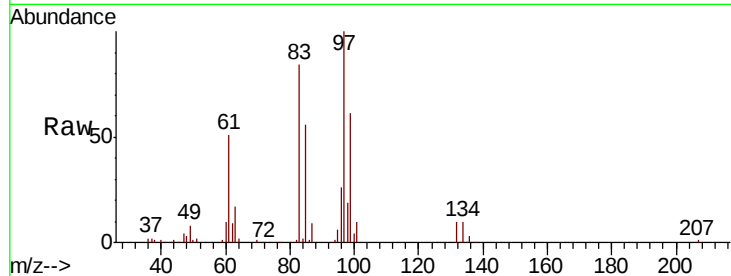
#55
 1,1,2-Trichloroethane
 Concen: 21.05 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		104565		
83	83.6	67.7	101.5		
85	56.3	44.5	66.7		
99	61.1	50.4	75.6		

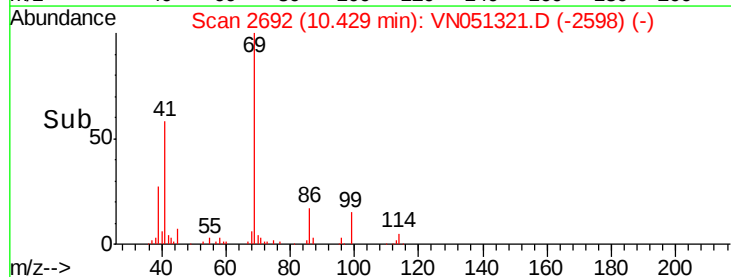
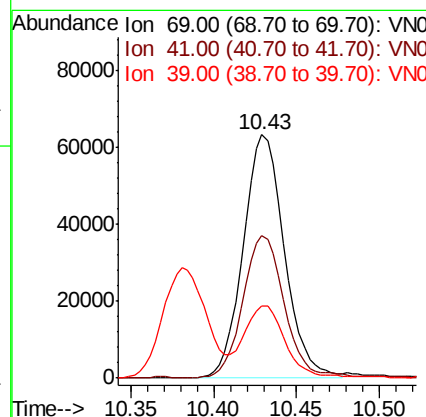
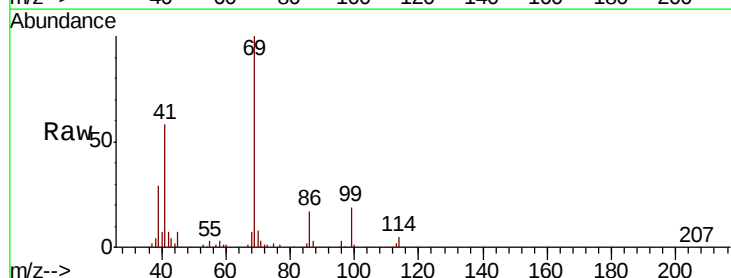
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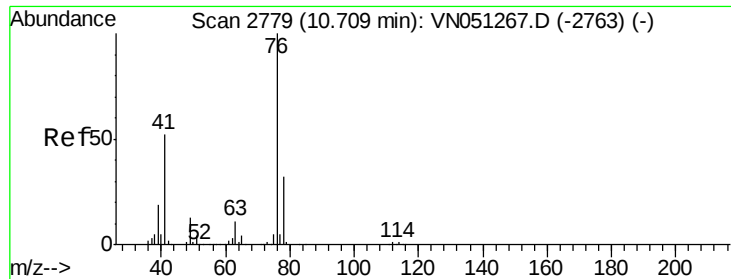
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#56
 Ethyl methacrylate
 Concen: 18.67 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		109449		
41	57.8	47.4	71.0		
39	29.2	23.7	35.5		





#57

1,3-Dichloropropane

Concen: 20.41 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 76 Resp: 165164

Ion Ratio Lower Upper

76 100

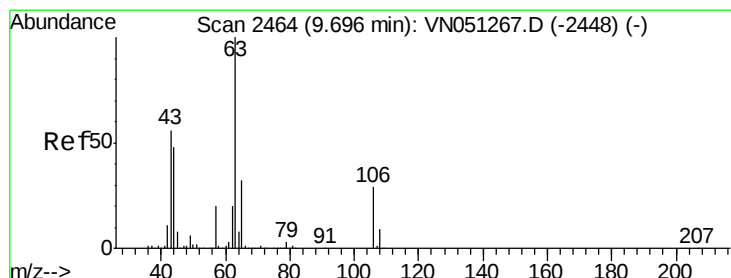
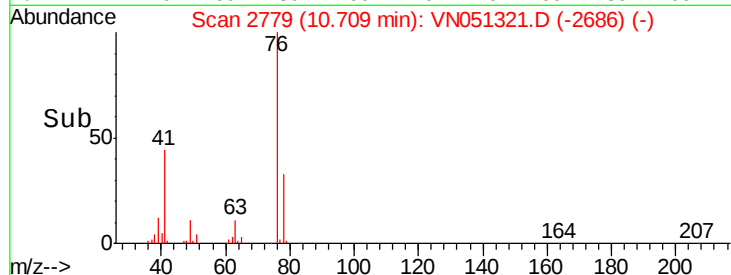
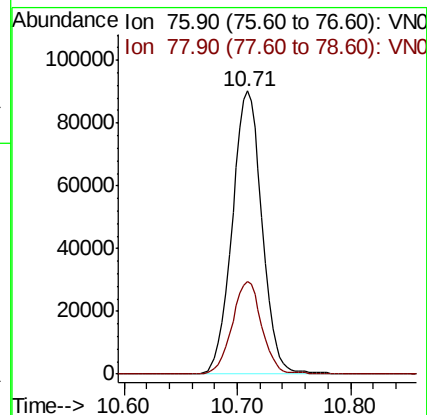
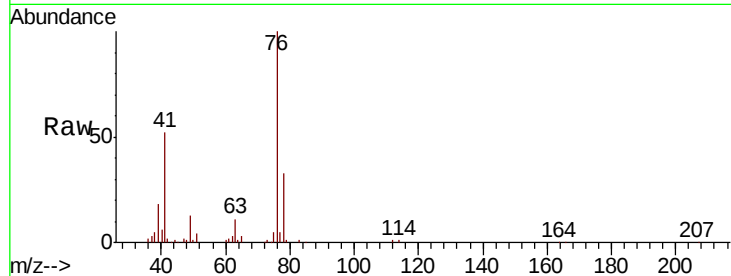
78 32.7 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 89.03 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051321.D

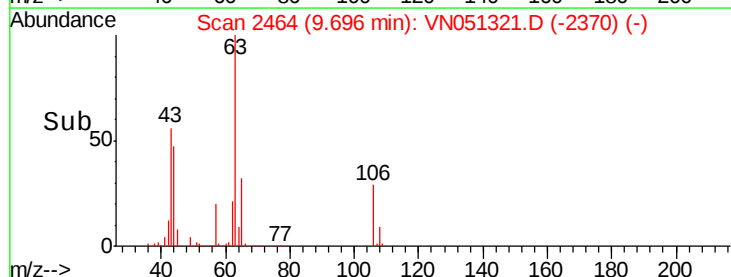
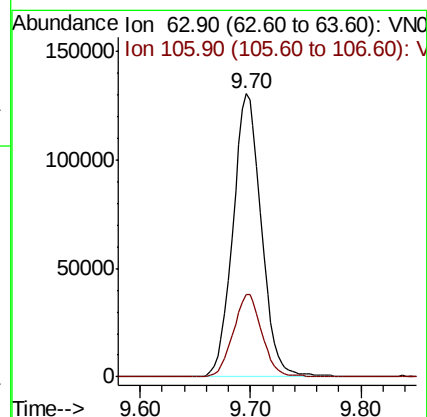
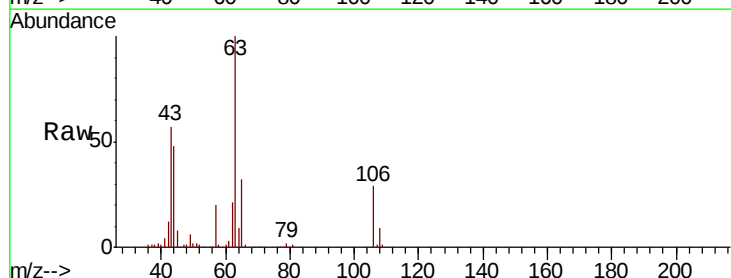
Acq: 19 Sep 2018 16:03

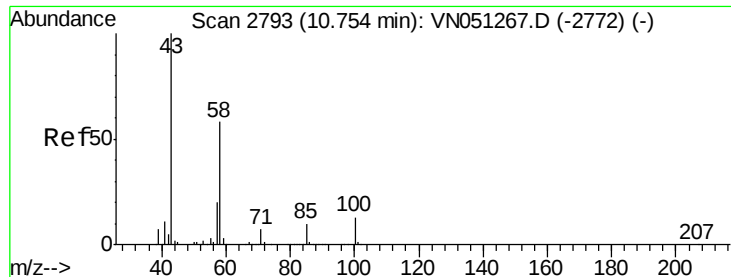
Tgt Ion: 63 Resp: 233664

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.2





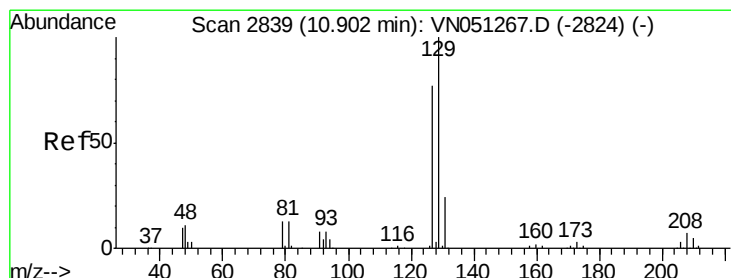
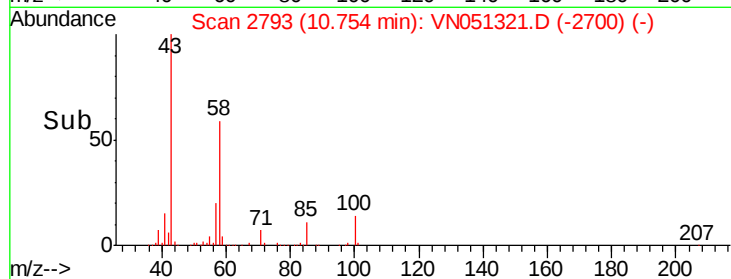
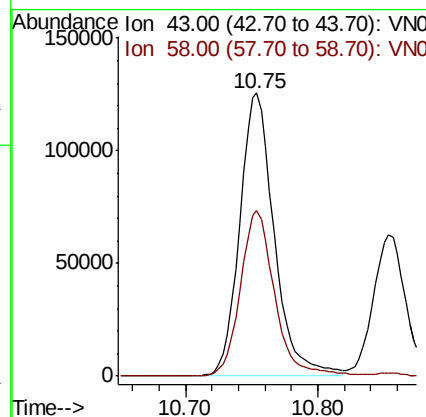
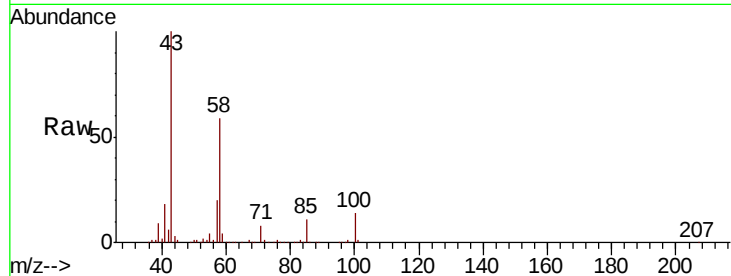
#59
2-Hexanone
Concen: 95.64 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	43	Resp	225445
Ion Ratio	43	100	
Lower	58	58.5	28.9
Upper			86.8

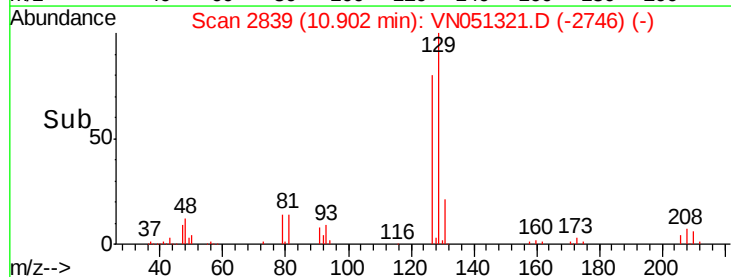
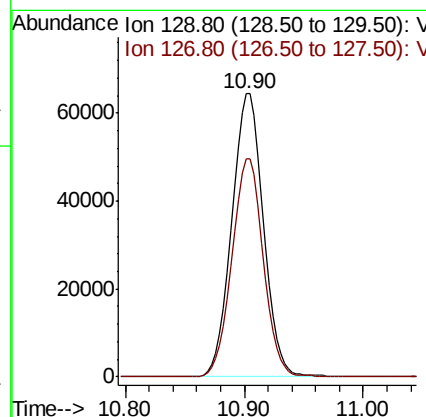
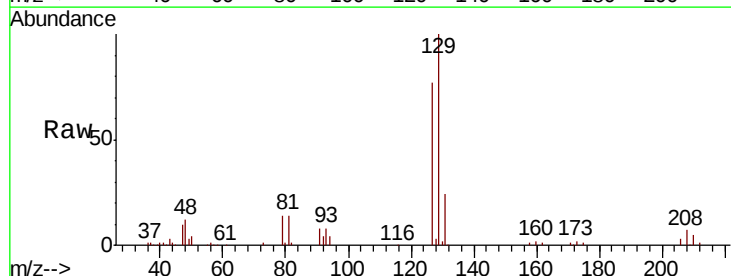
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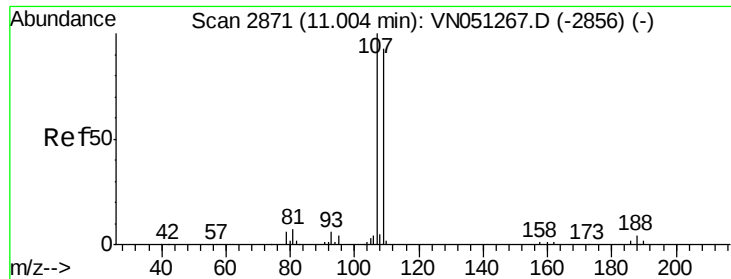
MMDadoda
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#60
Dibromochloromethane
Concen: 20.30 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	129	Resp	118681
Ion Ratio	129	100	
Lower	127	76.4	38.3
Upper			114.9





#61

1,2-Dibromoethane

Concen: 20.66 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:107 Resp: 98630

Ion Ratio Lower Upper

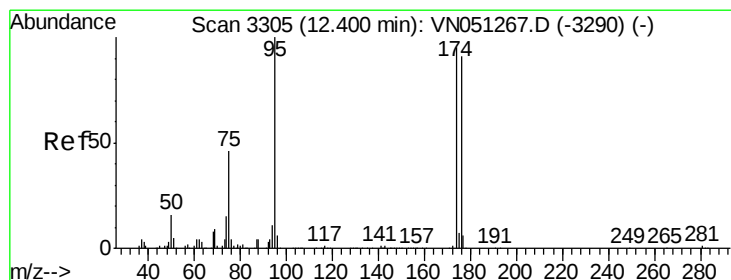
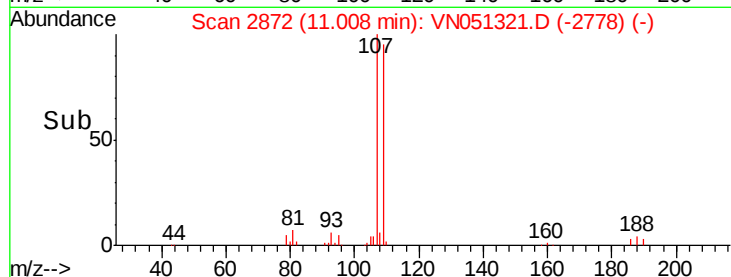
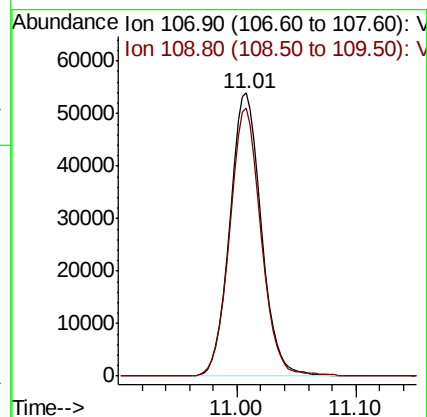
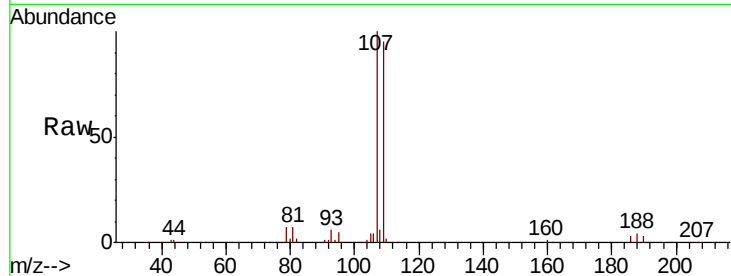
107 100

109 94.5 74.7 112.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.28 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

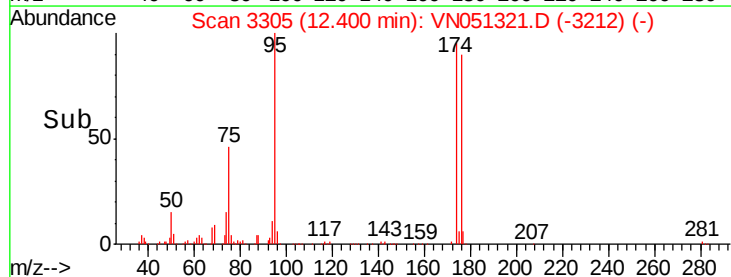
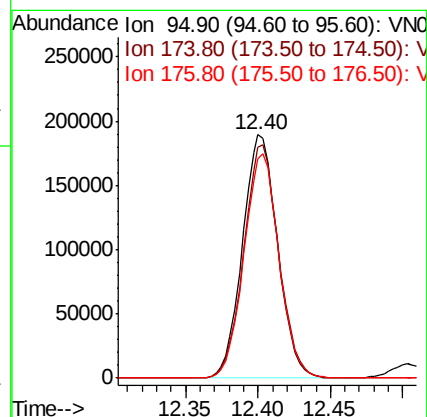
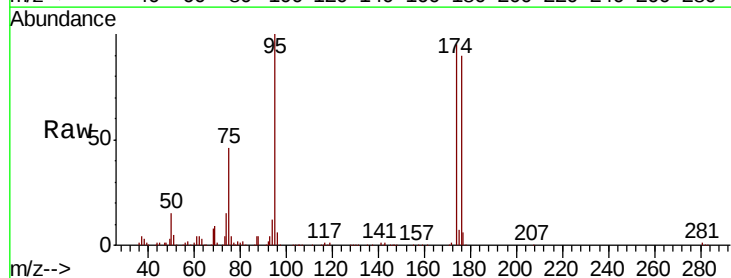
Tgt Ion: 95 Resp: 317847

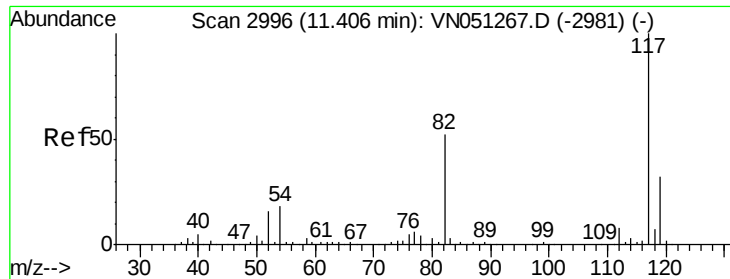
Ion Ratio Lower Upper

95 100

174 95.4 0.0 189.6

176 92.3 0.0 182.6





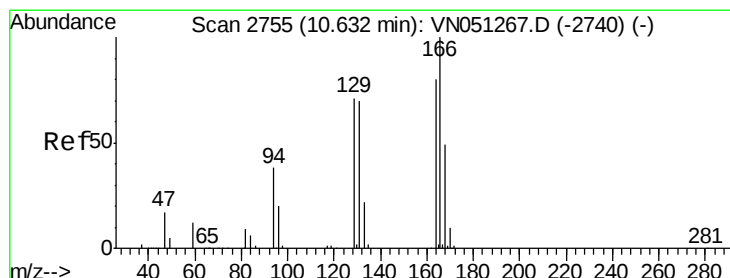
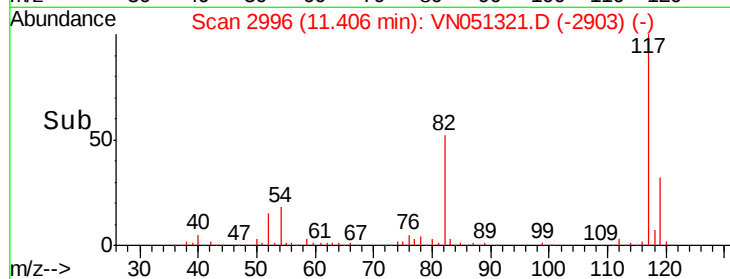
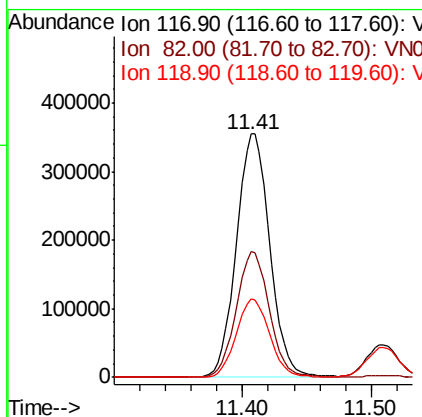
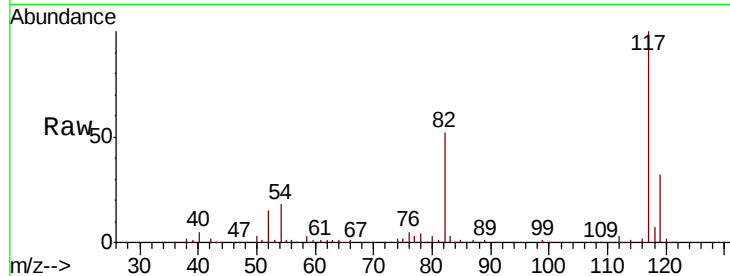
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.8	62.8
119	32.4	25.6	38.4

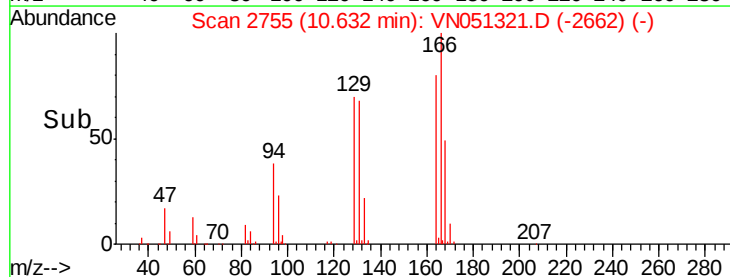
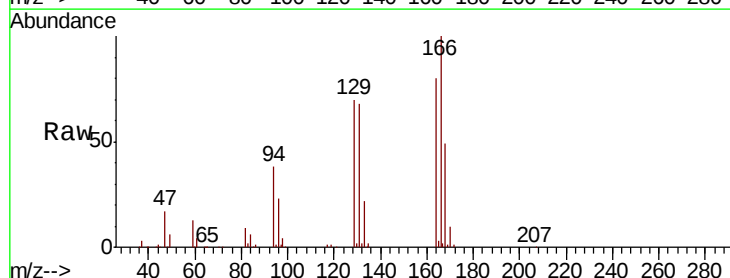
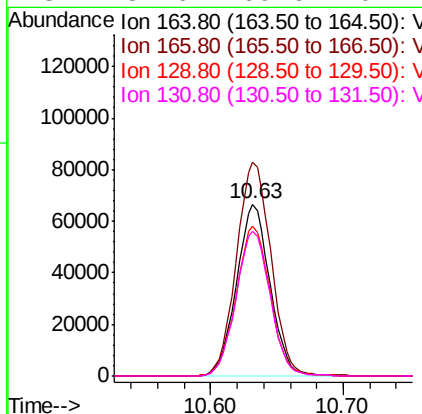
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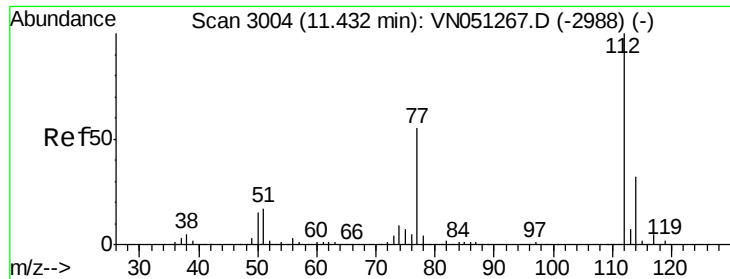
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#64
Tetrachloroethene
Concen: 19.19 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.0	150.0
129	87.4	70.8	106.2
131	84.6	69.6	104.4





#65

Chlorobenzene

Concen: 19.47 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:112 Resp: 308250

Ion Ratio Lower Upper

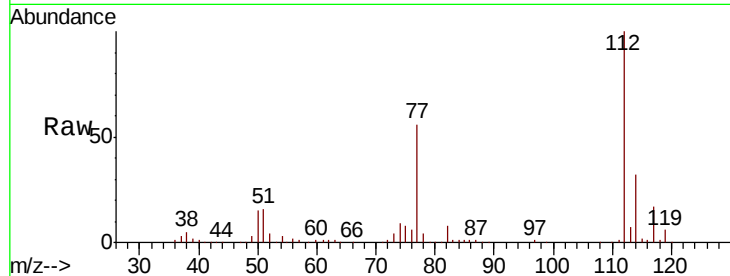
112 100

114 32.0 25.9 38.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

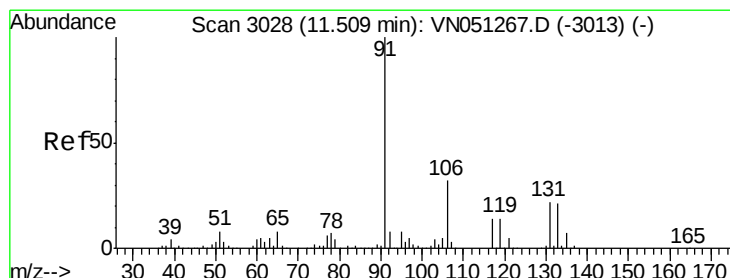
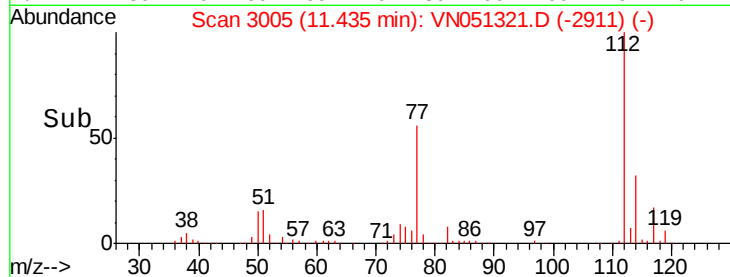
100000

50000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

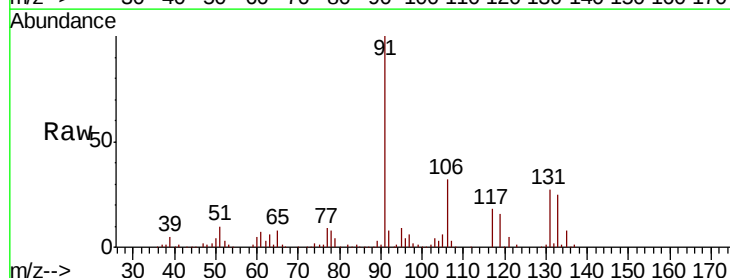
Tgt Ion:131 Resp: 119772

Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.7

119 65.1 32.6 98.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

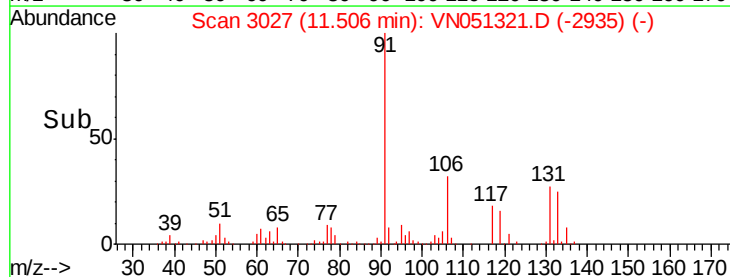
40000

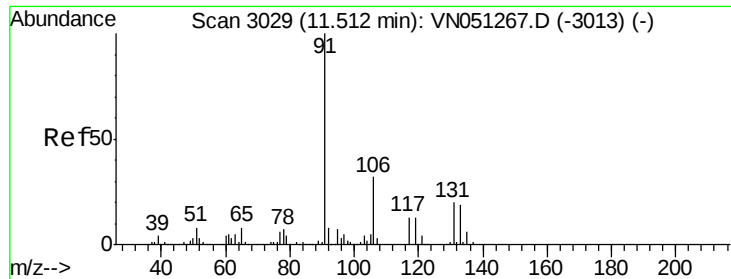
20000

0

11.45 11.50 11.55

Time-->





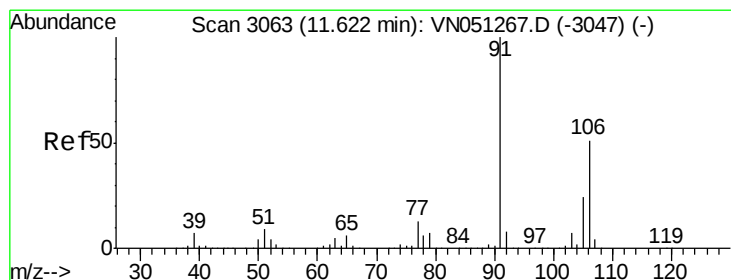
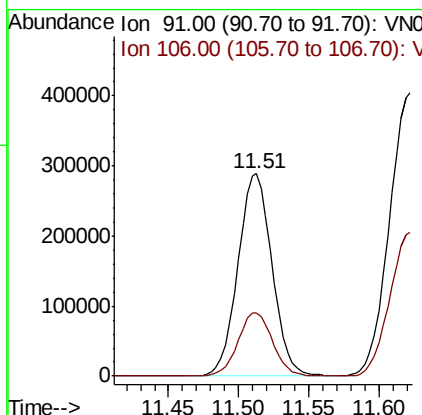
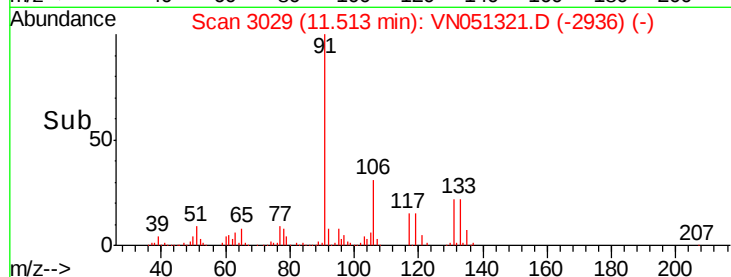
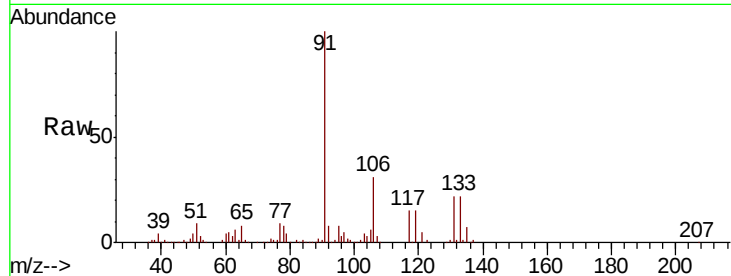
#67
Ethyl Benzene
Concen: 19.45 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0919WBS02

Tot Ion: 91 Resp: 490831
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

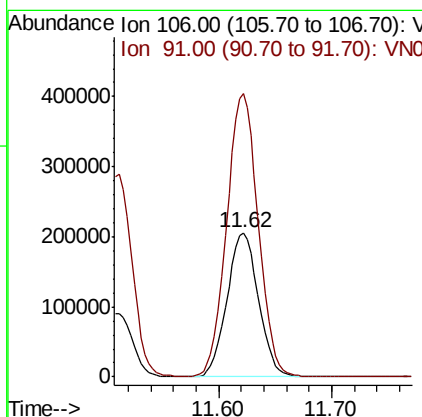
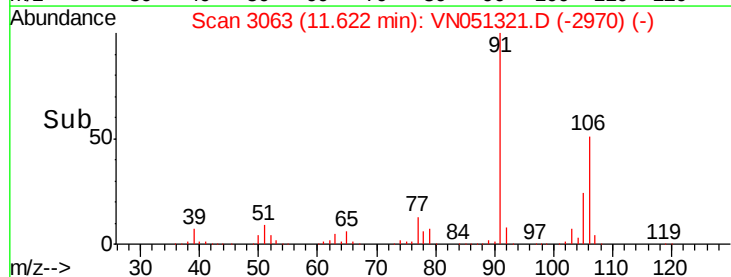
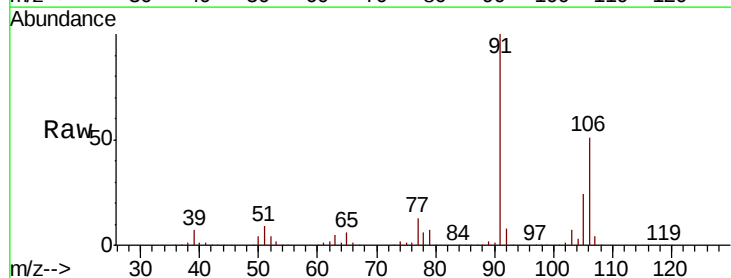
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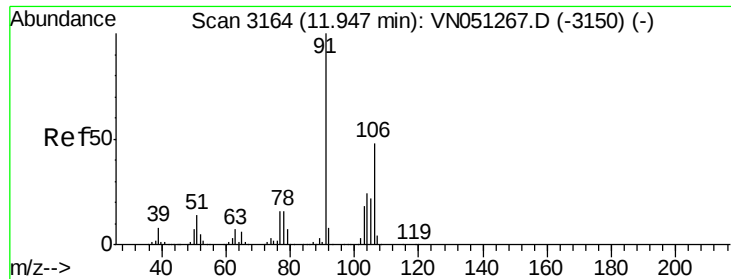
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#68
m/p-Xylenes
Concen: 40.54 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 106 Resp: 397376
Ion Ratio Lower Upper
106 100
91 196.9 158.6 238.0





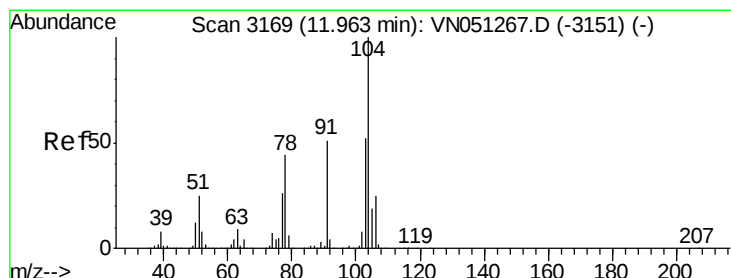
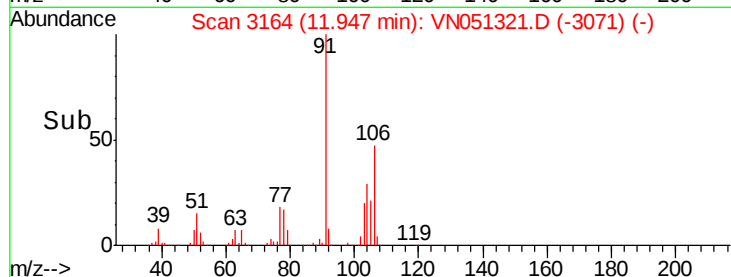
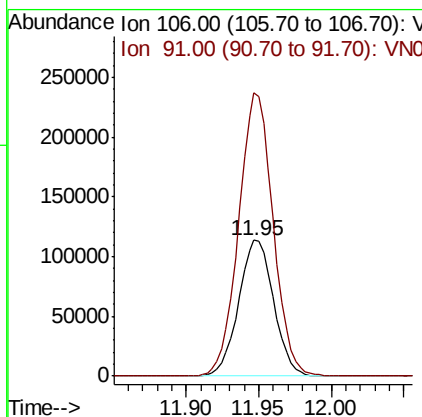
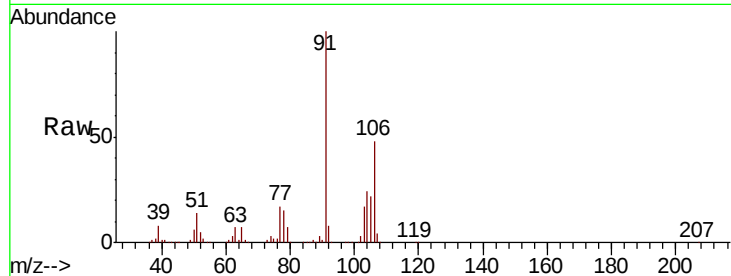
#69
o-Xylene
Concen: 20.41 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0919WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	205.0	104.1	312.3	

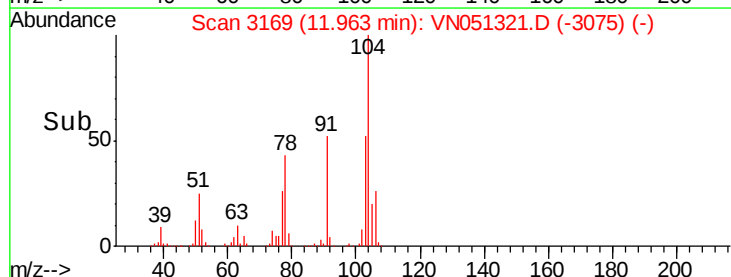
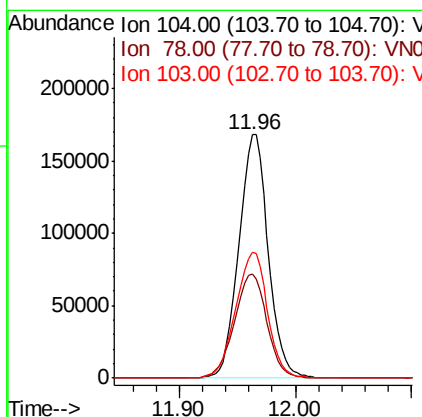
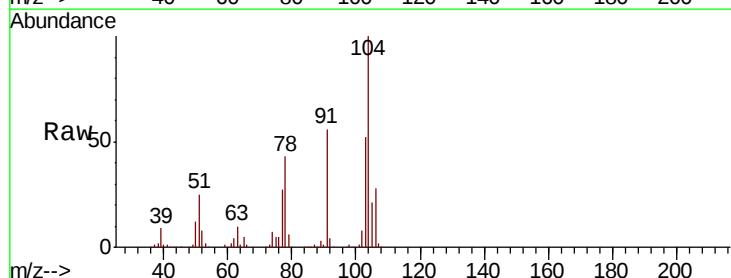
Manual Integrations
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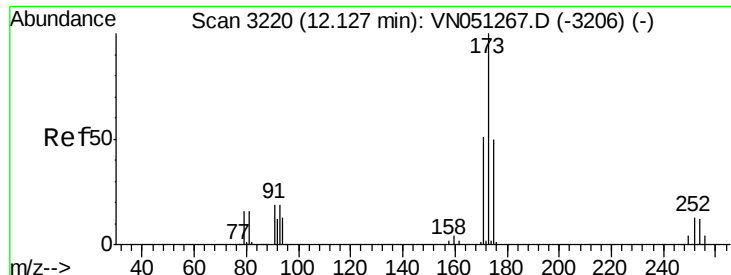
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#70
Styrene
Concen: 18.70 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	47.3	38.1	57.1	
103	56.1	44.8	67.2	





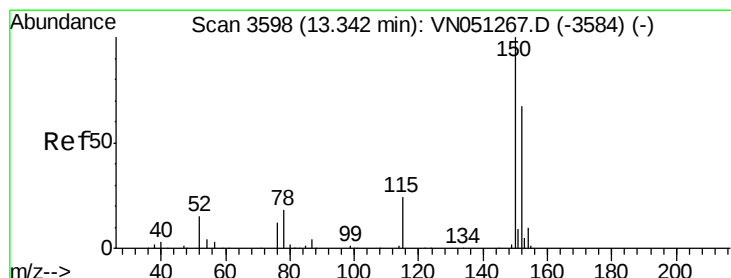
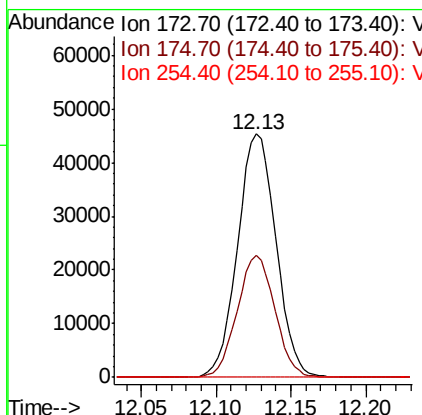
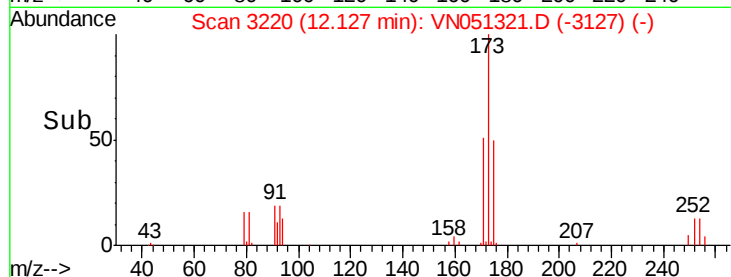
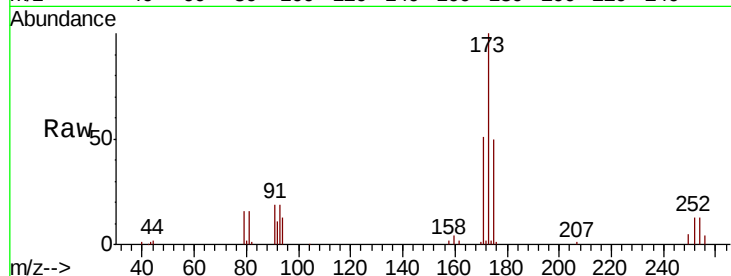
#71
Bromoform
Concen: 20.39 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.1	0.1#

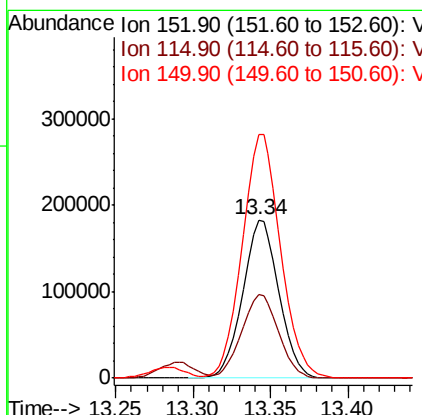
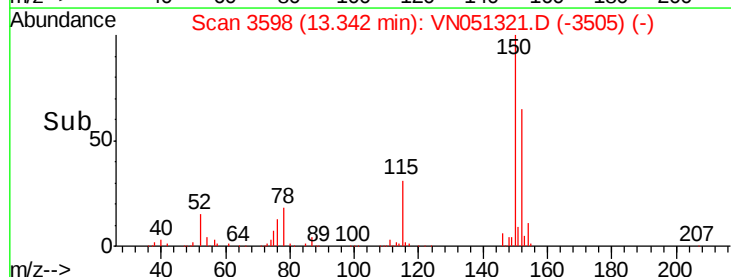
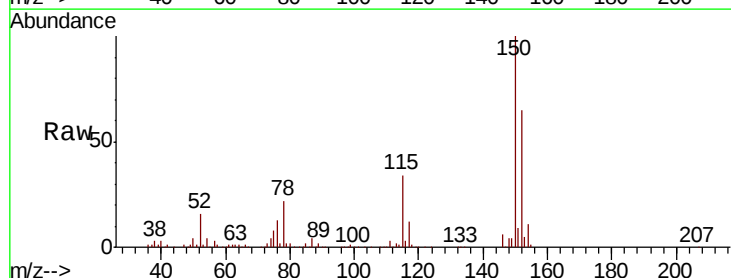
Manual Integrations
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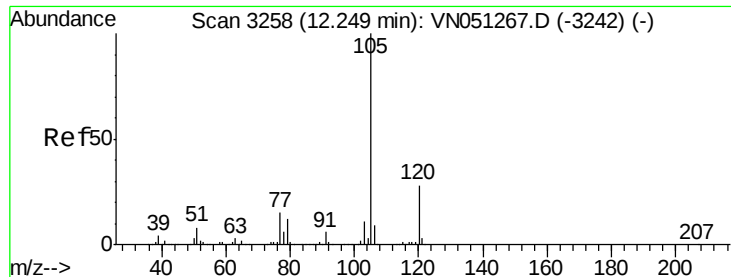
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	163.5	0.0	349.0





#73

Isopropylbenzene

Concen: 19.70 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:105 Resp: 493043

Ion Ratio Lower Upper

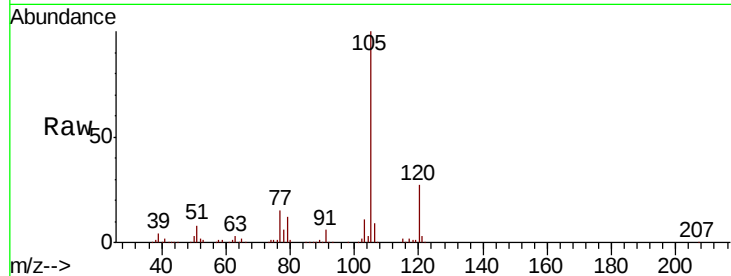
105 100

120 27.3 13.8 41.4

Manual Integrations
APPROVED

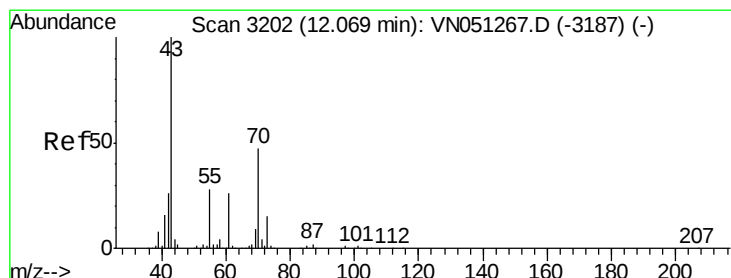
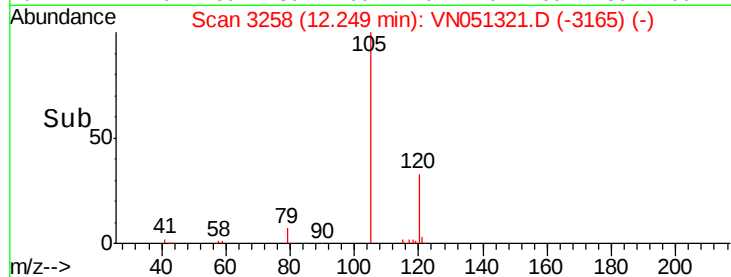
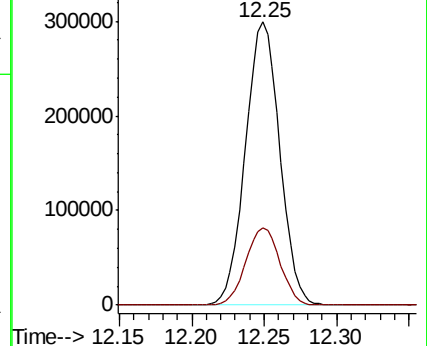
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.00 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion: 43 Resp: 92461

Ion Ratio Lower Upper

43 100

70 48.5 37.8 56.6

55 30.5 22.6 34.0

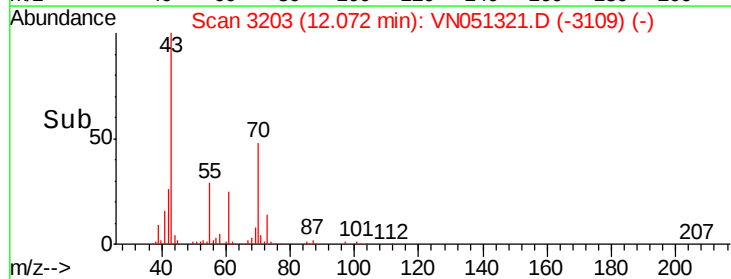
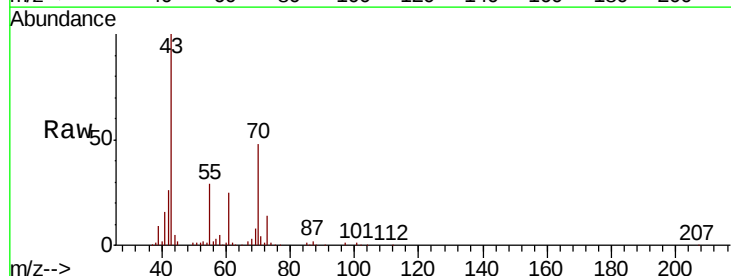
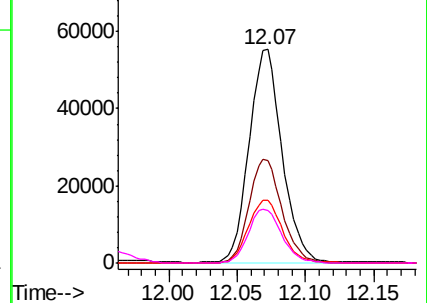
61 25.7 20.9 31.3

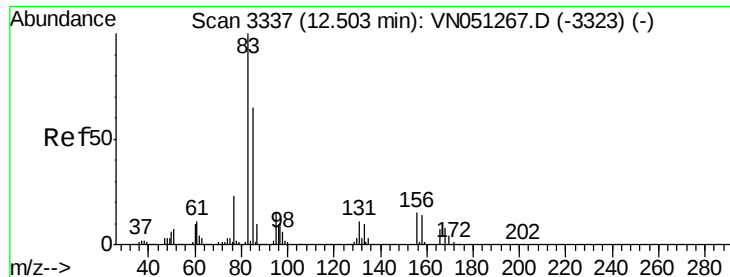
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.17 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

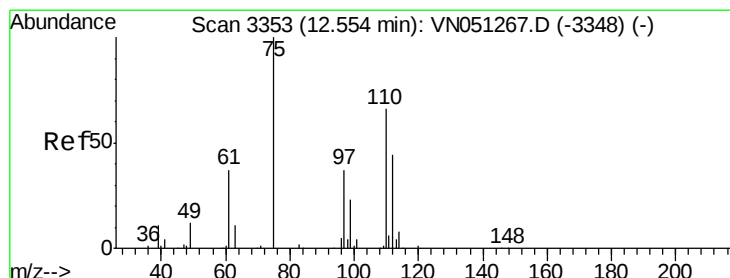
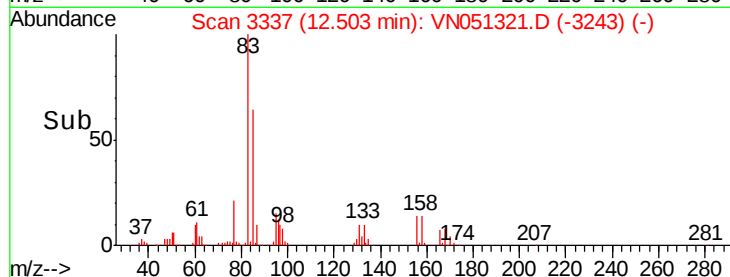
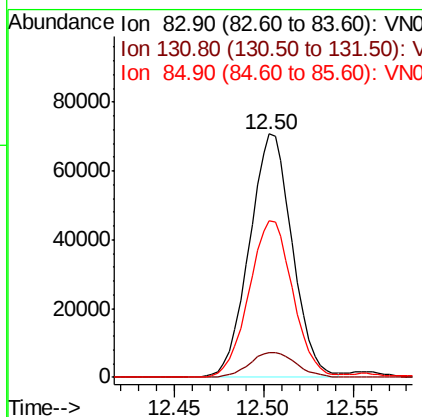
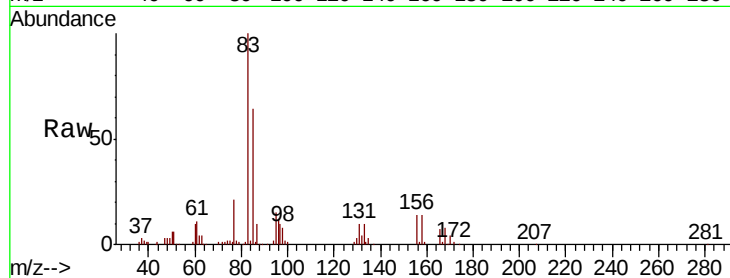
ClientSampleId :

VN0919WBS02

Tot Ion:	83	Resp:	118790
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.7
85	65.4	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.52 ug/l m

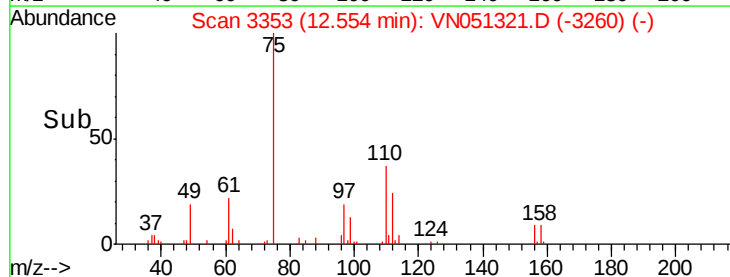
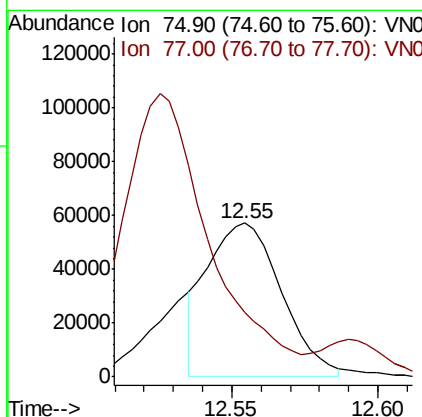
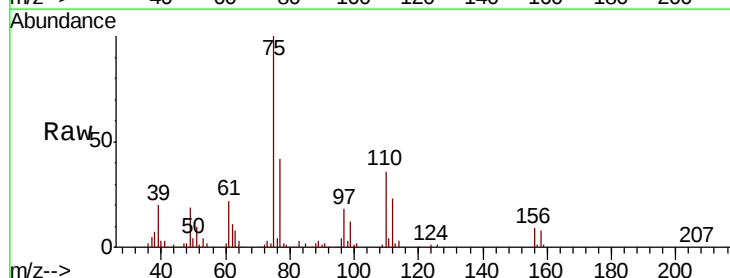
RT: 12.55 min Scan# 3353

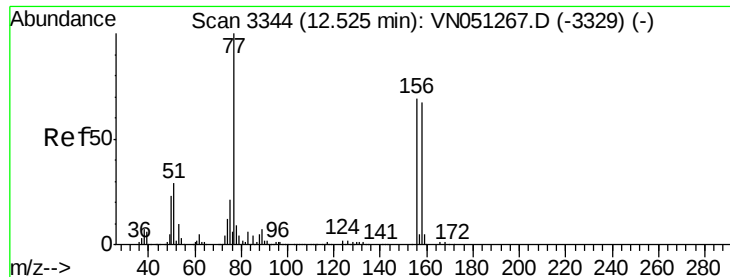
Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion:	75	Resp:	101429
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.46 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

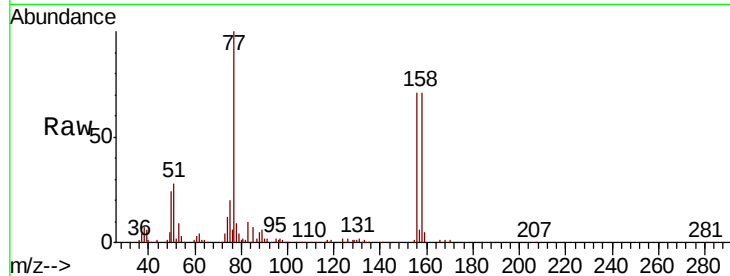
ClientSampled :

VN0919WBS02

Tot Ion:	156	Resp:	131366
Ion Ratio	Lower	Upper	
156	100		
77	165.0	83.7	251.1
158	96.8	49.0	147.2

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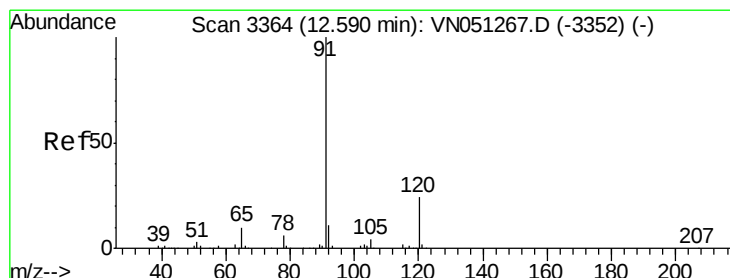
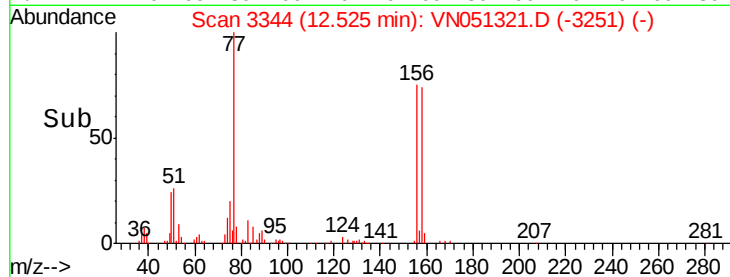
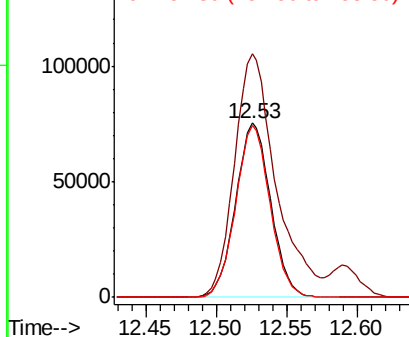
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.66 ug/l

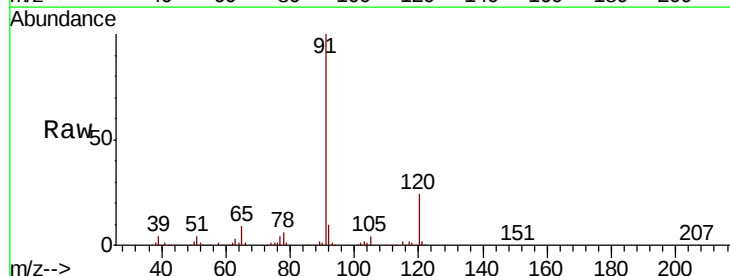
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051321.D

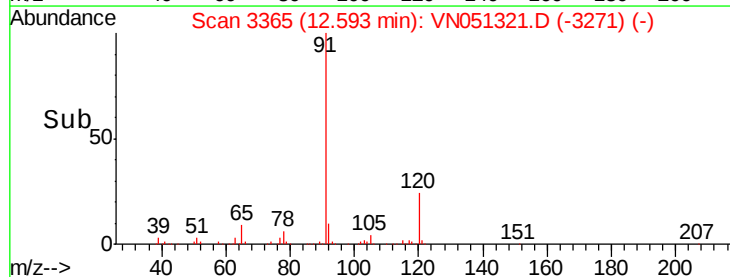
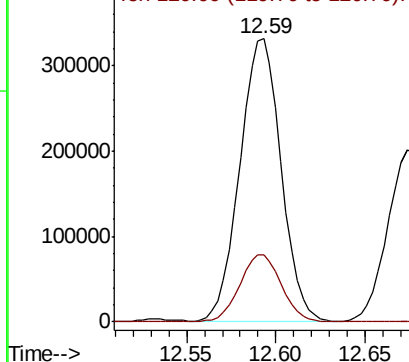
Acq: 19 Sep 2018 16:03

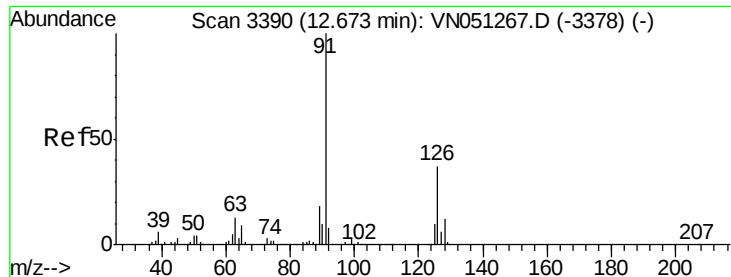
Tgt Ion:	91	Resp:	530657
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





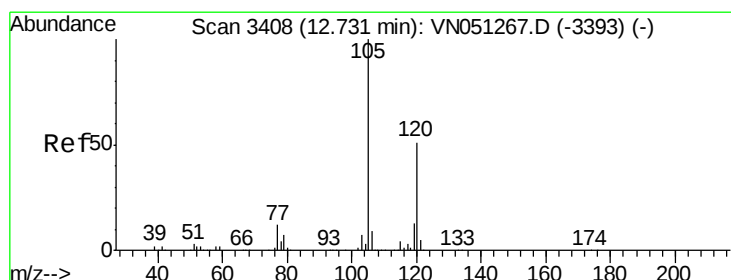
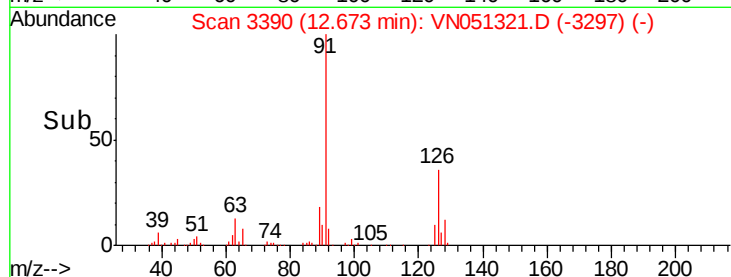
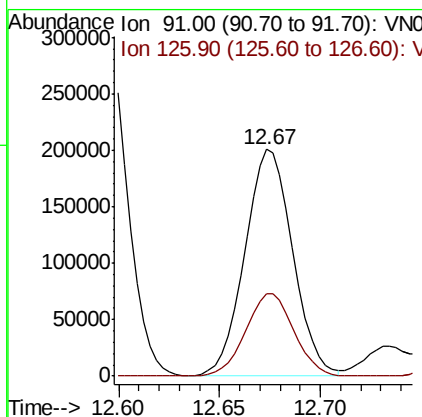
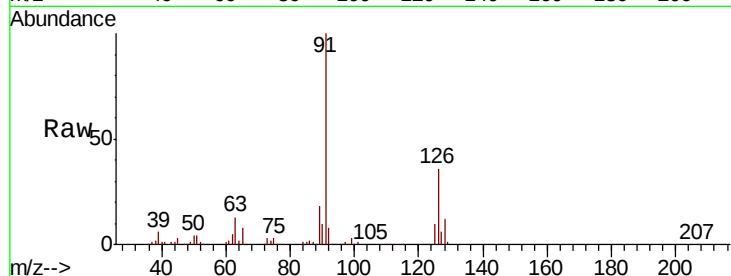
#79
 2-Chlorotoluene
 Concen: 19.33 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.2	54.6

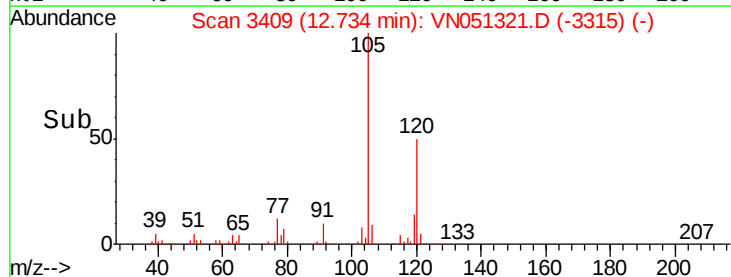
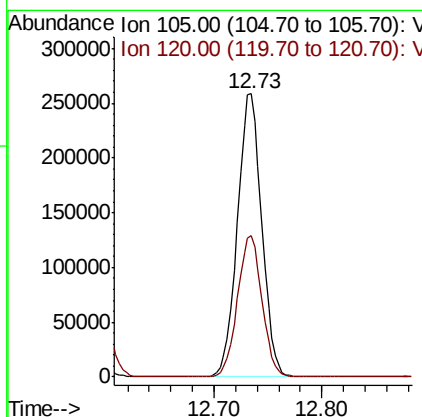
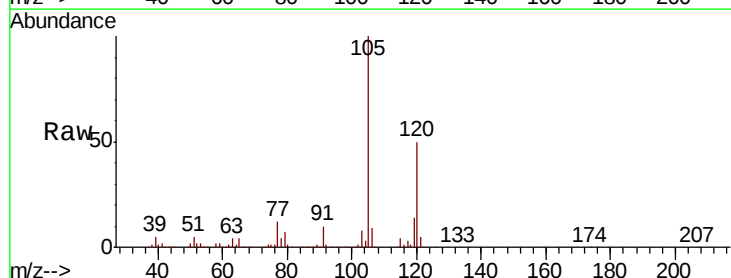
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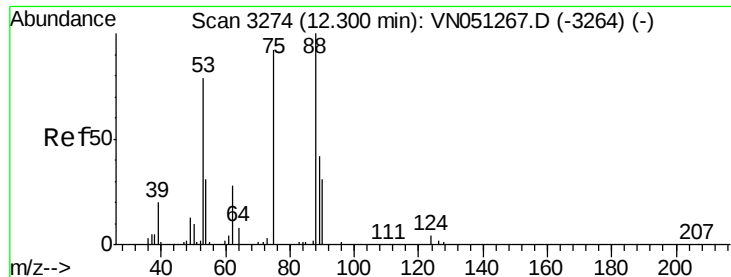
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.33 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.3	75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.04 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 75 Resp: 25435

Ion Ratio Lower Upper

75 100

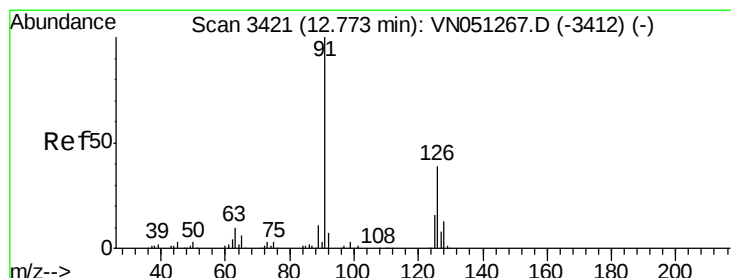
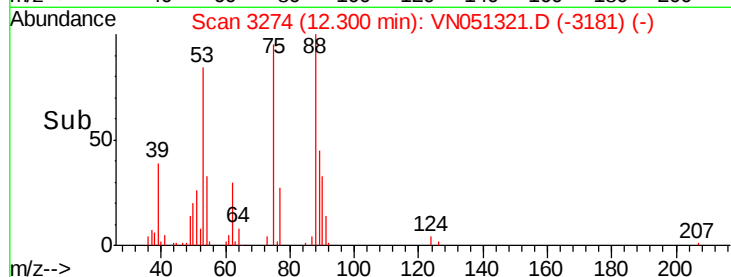
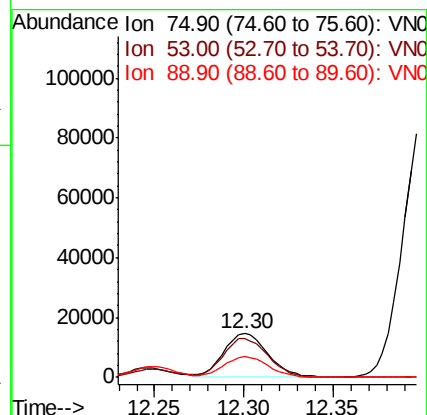
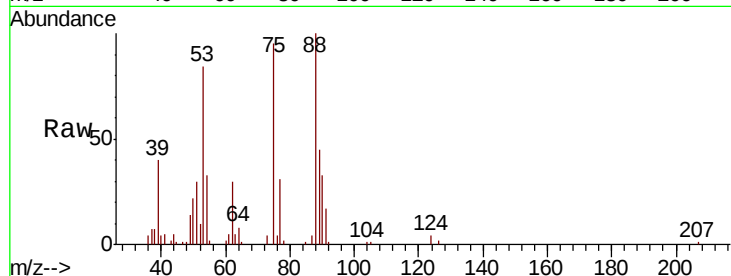
53 89.9 67.7 101.5

89 46.4 36.9 55.3

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#82

4-Chlorotoluene

Concen: 19.39 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051321.D

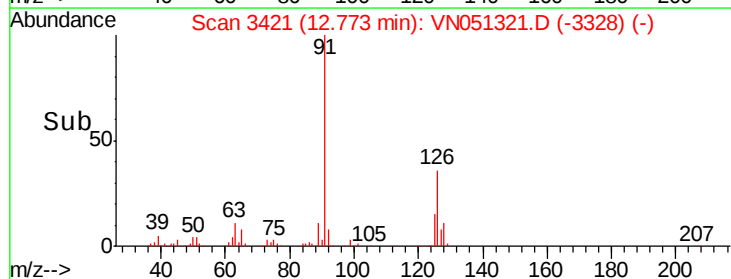
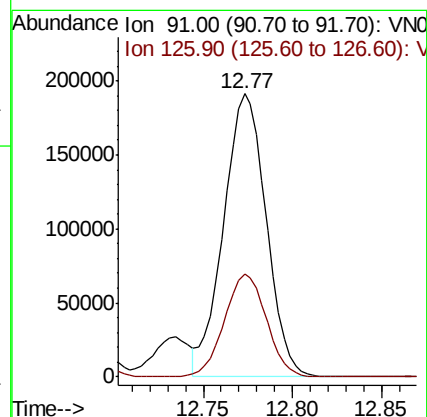
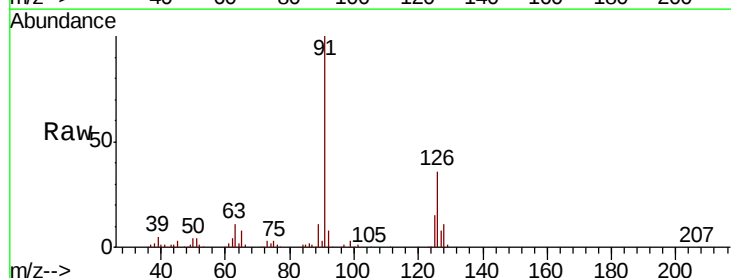
Acq: 19 Sep 2018 16:03

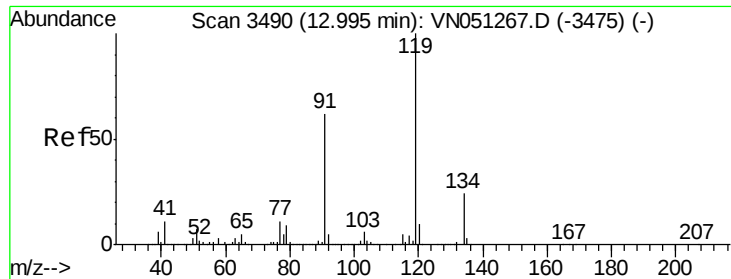
Tgt Ion: 91 Resp: 316548

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.8





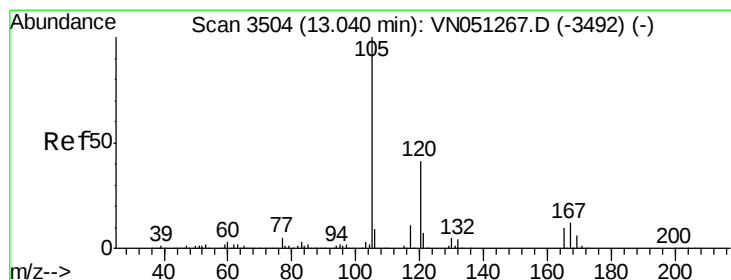
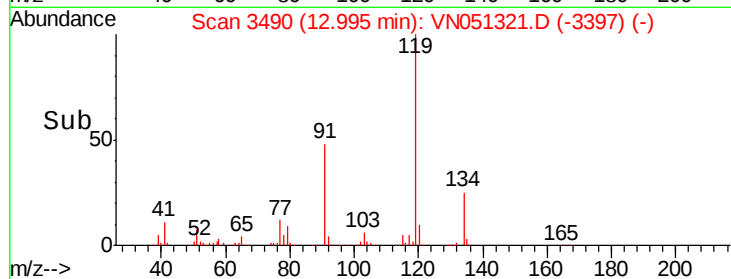
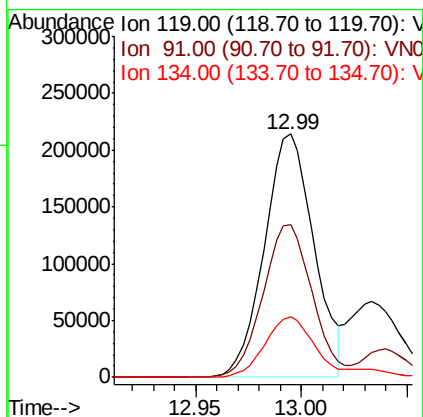
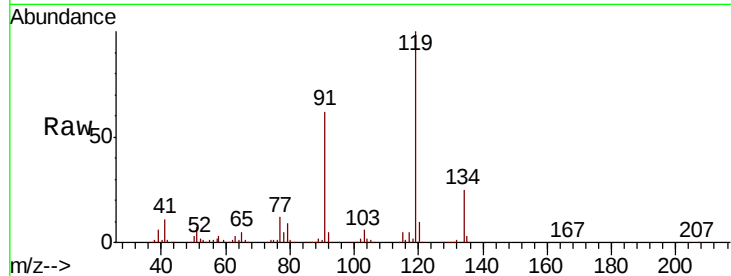
#83
 tert-Butylbenzene
 Concen: 19.81 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.8	92.4
134	27.5	12.4	37.0

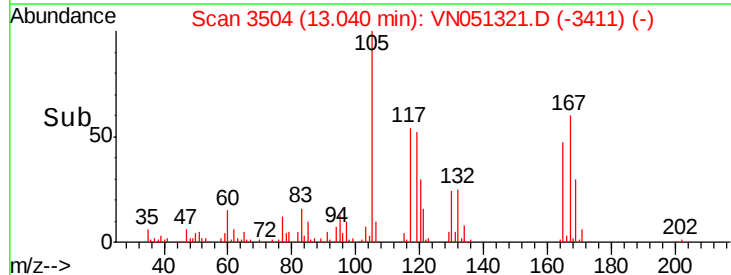
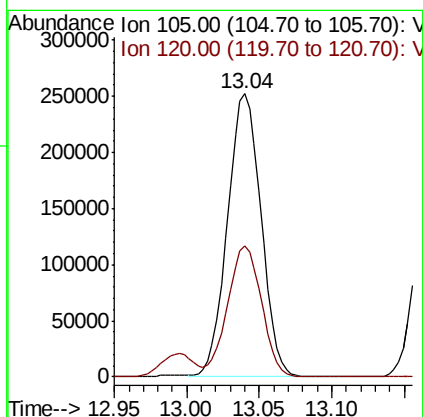
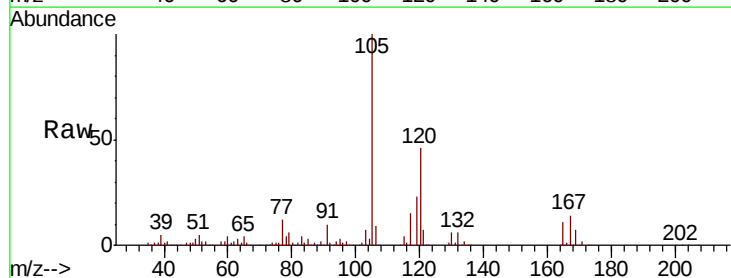
Manual Integrations
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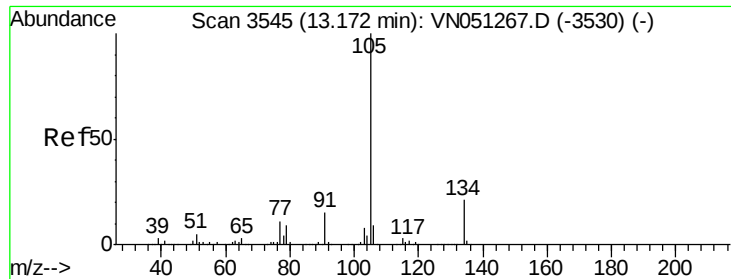
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.79 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.5	70.6





#85

sec-Butylbenzene

Concen: 19.94 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:105 Resp: 447596

Ion Ratio Lower Upper

105 100

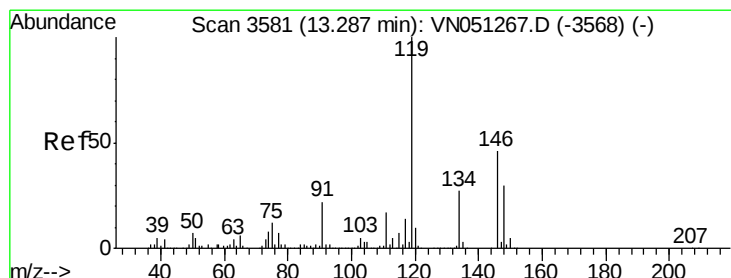
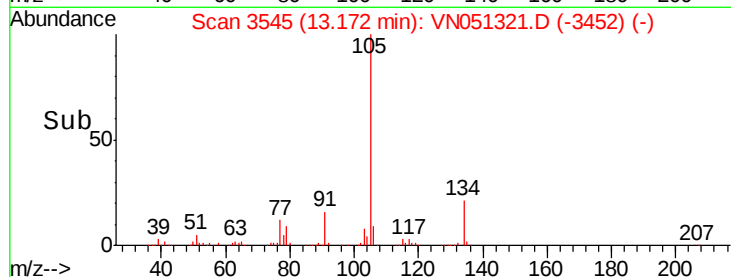
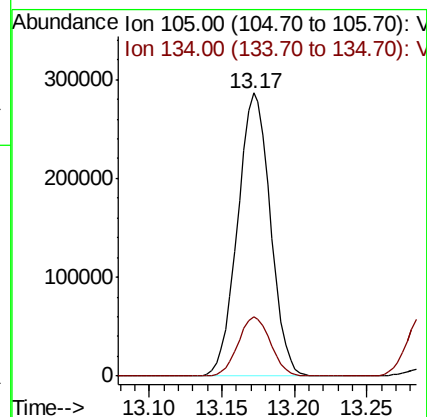
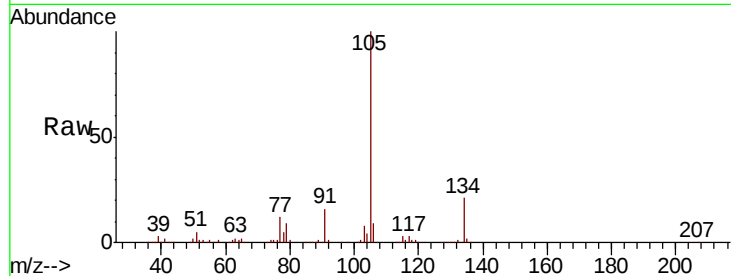
134 21.0 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.43 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

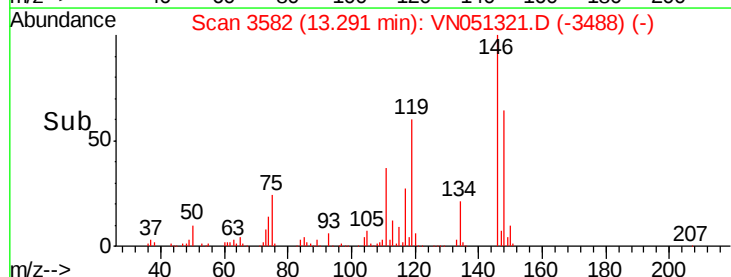
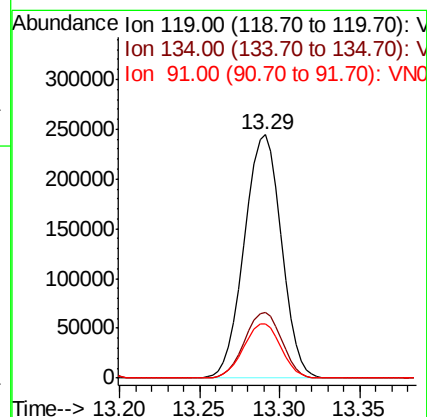
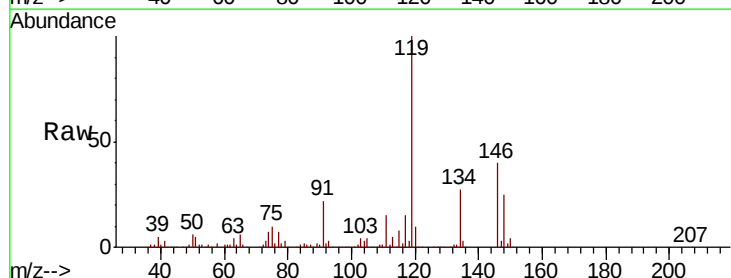
Tgt Ion:119 Resp: 384705

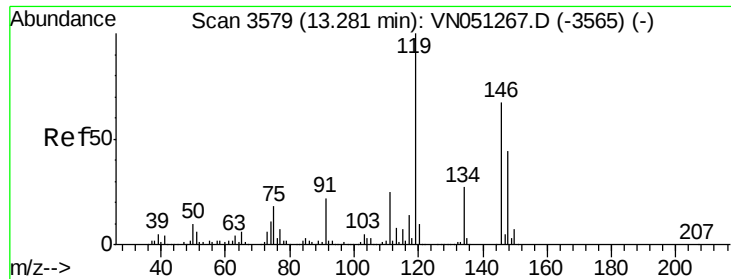
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.8 11.1 33.1





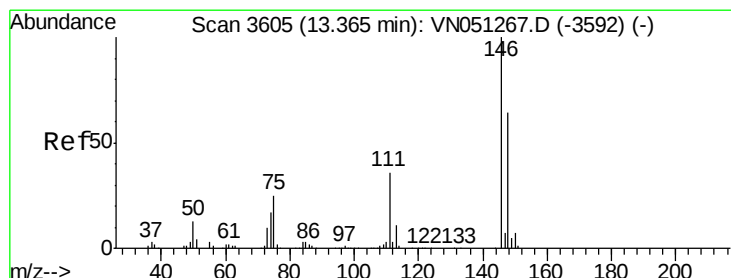
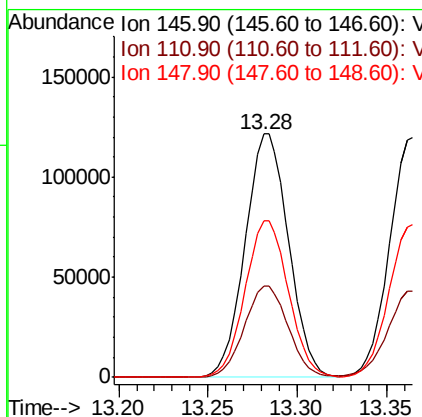
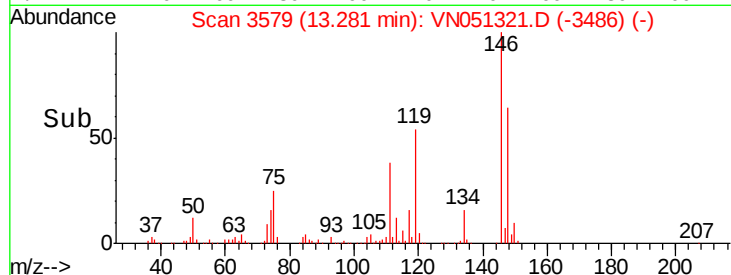
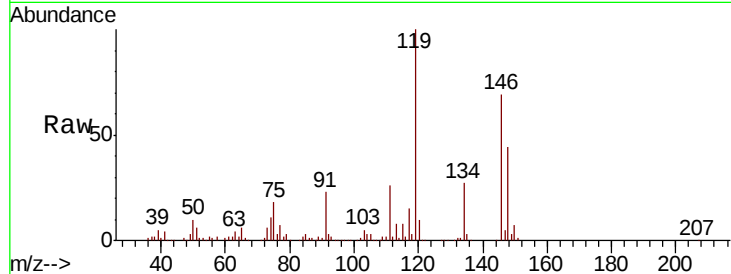
#87
 1,3-Dichlorobenzene
 Concen: 18.73 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	64.0	32.2	96.6

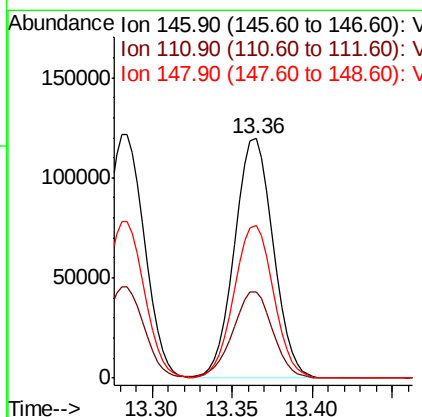
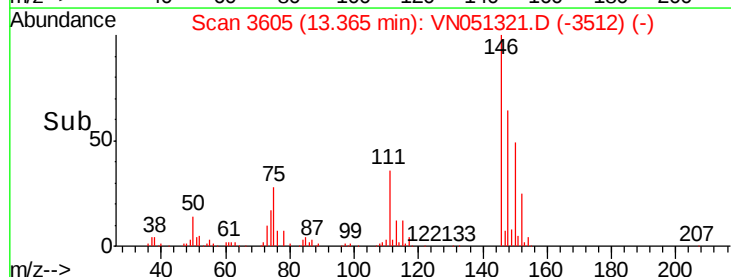
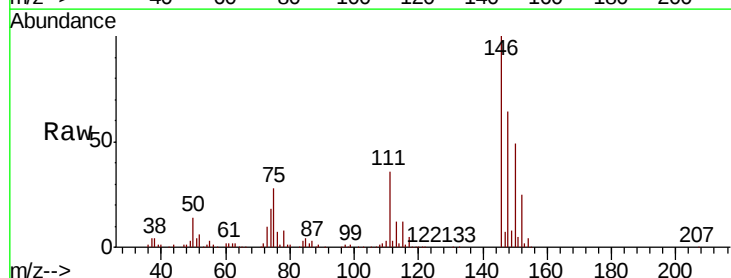
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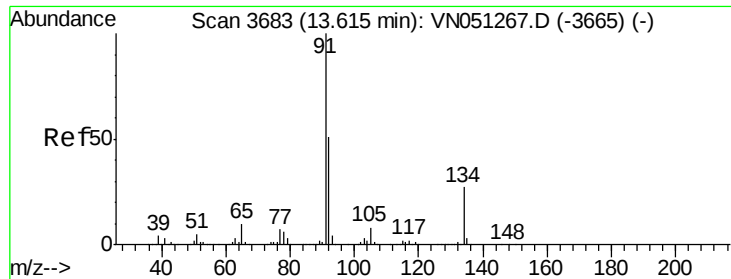
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#88
 1,4-Dichlorobenzene
 Concen: 19.13 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.2	54.6
148	64.9	31.9	95.7





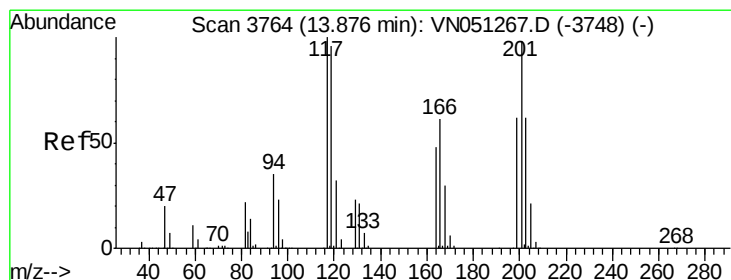
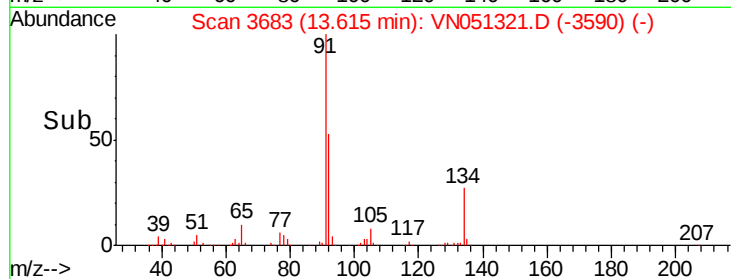
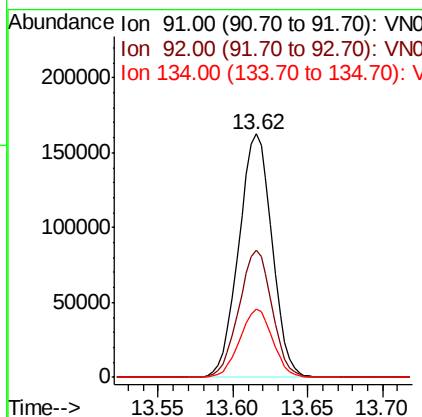
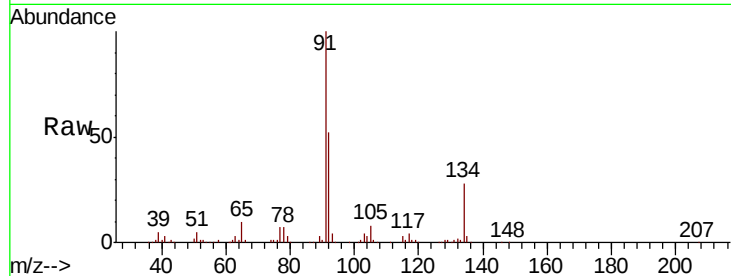
#89
n-Butylbenzene
Concen: 17.62 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.4
134	27.7	13.7	41.0

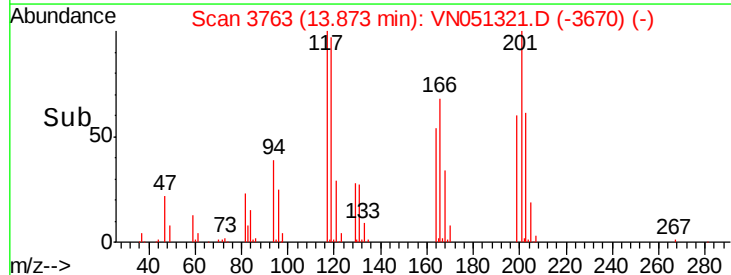
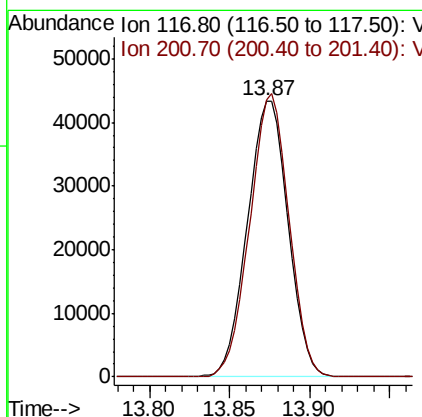
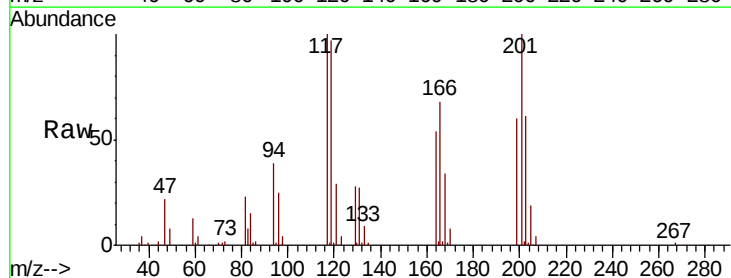
Manual Integrations
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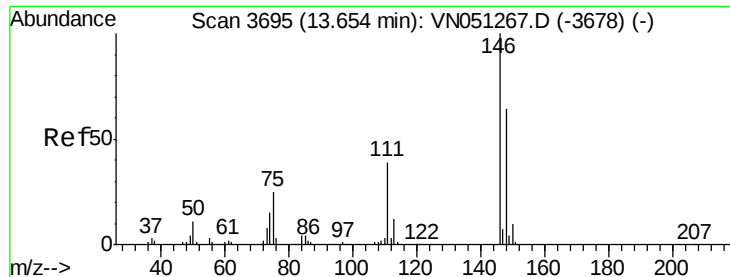
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#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.8	48.4	145.3





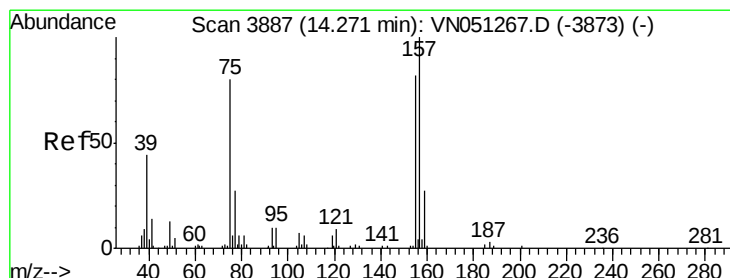
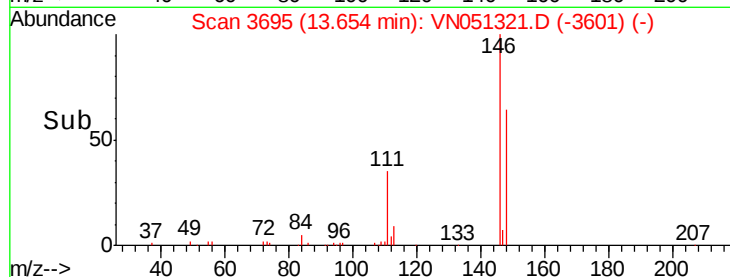
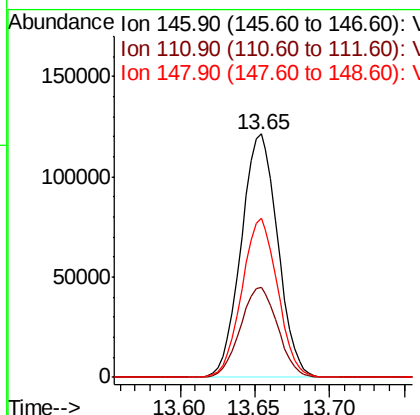
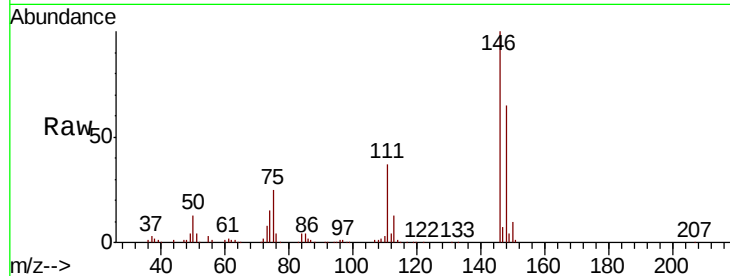
#91
 1,2-Dichlorobenzene
 Concen: 19.95 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.6	58.7
148	63.7	31.9	95.9

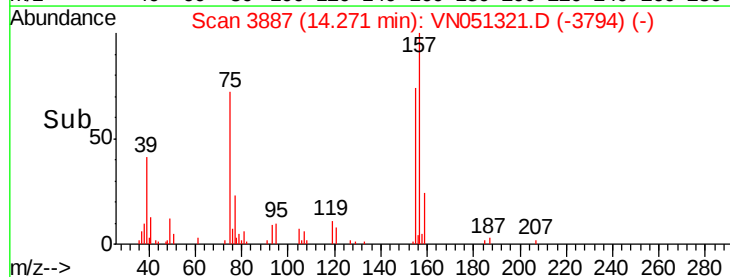
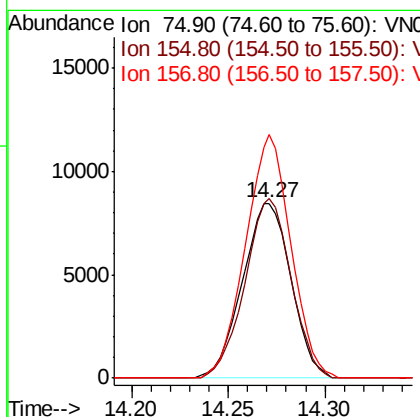
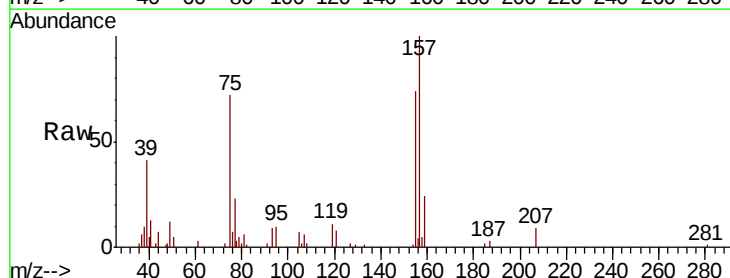
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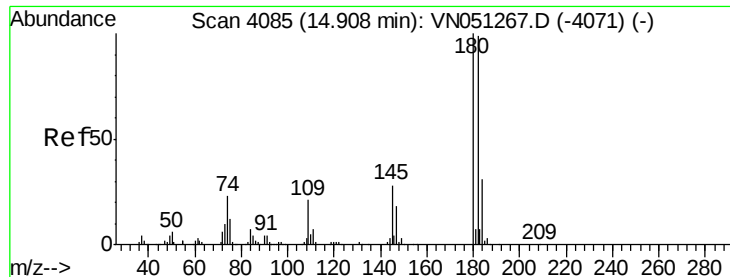
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.34 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	50.2	150.7
157	129.6	62.9	188.7





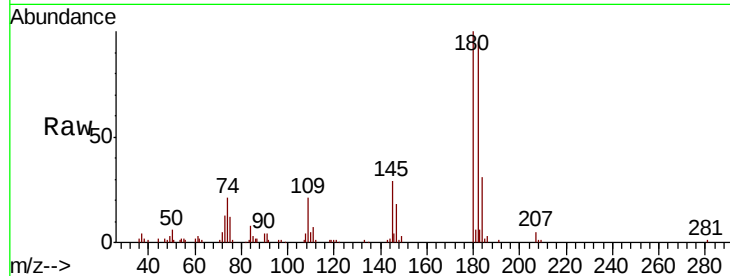
#93
 1,2,4-Trichlorobenzene
 Concen: 16.11 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

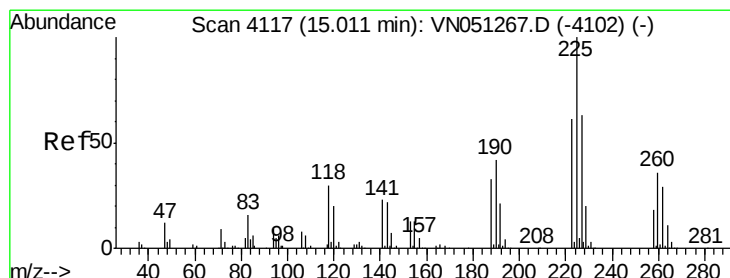
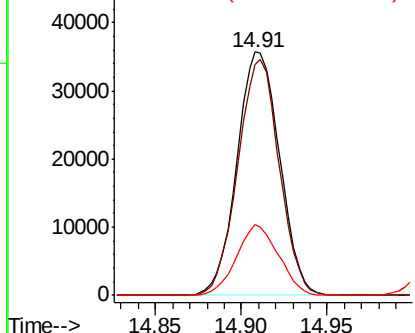
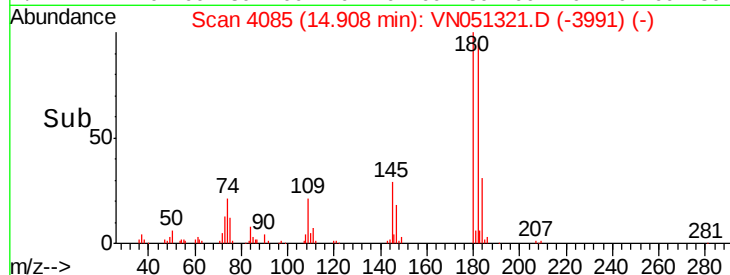
Tot Ion	Ratio	Resp	Lower	Upper
180	100	61625		
182	93.8	48.5	145.6	
145	28.5	14.0	41.9	

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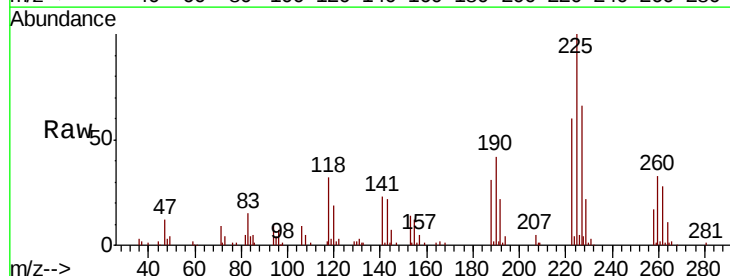


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

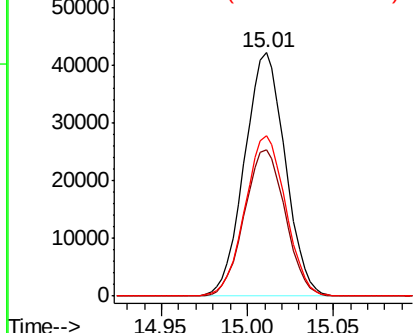
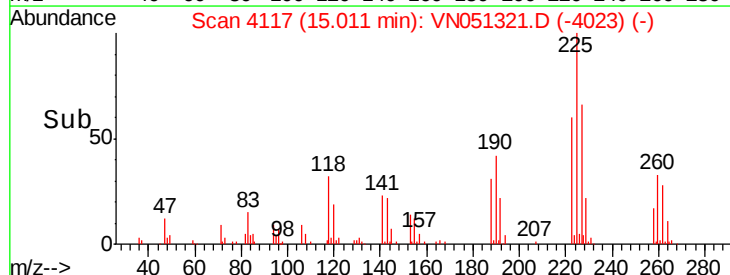


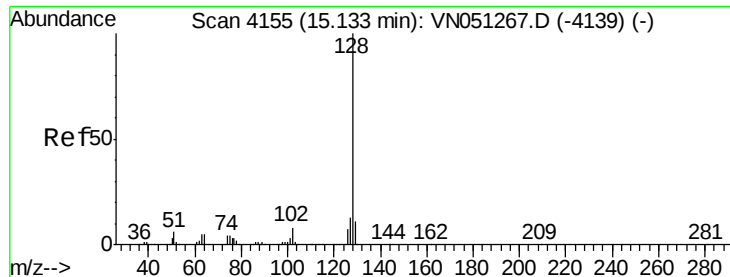
#94
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69283		
223	60.5	30.8	92.3	
227	65.7	32.1	96.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.05 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

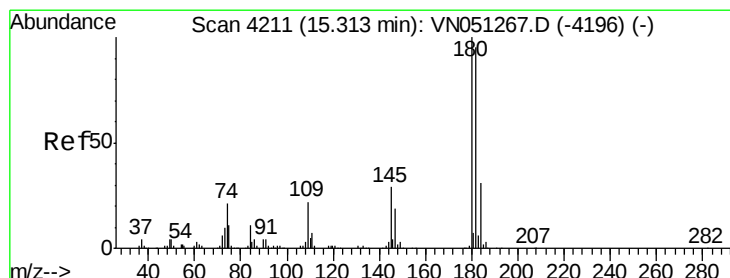
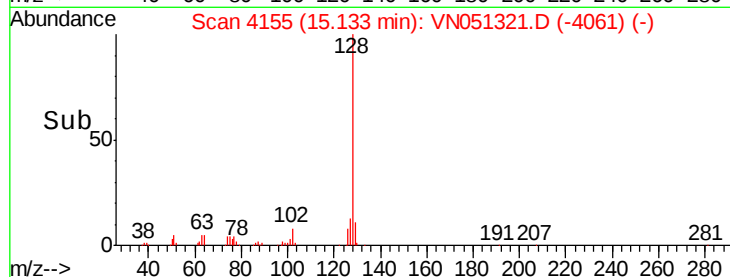
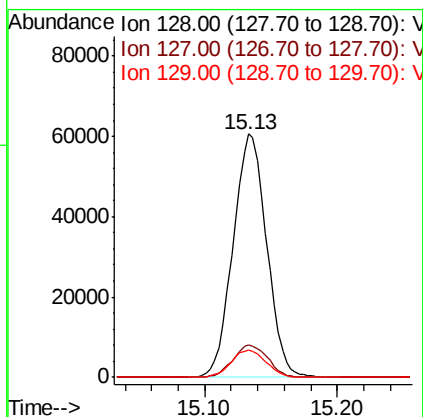
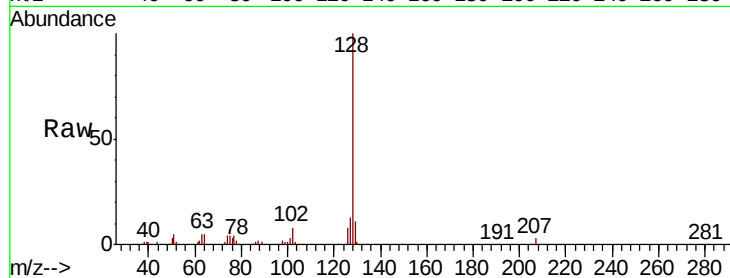
ClientSampleId :

VN0919WBS02

Tot Ion:	128	Resp:	106691
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.7	16.1
129	11.7	8.9	13.3

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#96

1,2,3-Trichlorobenzene

Concen: 17.44 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion:	180	Resp:	69718
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.5	142.6
145	29.1	14.8	44.4

