

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052239.D
 Acq On : 9 Nov 2018 20:42
 Operator : MD\SY
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:19:05 AM

Quant Time: Nov 12 03:53:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	278833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	484799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	184930	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	145285	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
50) Toluene-d8	10.09	98	578203	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
62) 4-Bromofluorobenzene	12.40	95	184225	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	59868	19.750	ug/l	100
3) Chloromethane	2.06	50	84433	19.950	ug/l	99
4) Vinyl Chloride	2.19	62	69346	19.666	ug/l	97
5) Bromomethane	2.57	94	41497	18.548	ug/l	91
6) Chloroethane	2.71	64	39092	18.669	ug/l	98
7) Trichlorofluoromethane	3.02	101	93579	19.064	ug/l	99
8) Diethyl Ether	3.41	74	37650	19.497	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	56934	18.079	ug/l	98
10) Methyl Iodide	3.96	142	74711	18.284	ug/l	99
11) Tert butyl alcohol	4.78	59	22089	113.005	ug/l	95
12) 1,1-Dichloroethene	3.74	96	54848	18.815	ug/l	95
13) Acrolein	3.61	56	31180	122.868	ug/l	99
14) Allyl chloride	4.33	41	109013	17.862	ug/l	99
15) Acrylonitrile	4.99	53	123204	102.552	ug/l	100
16) Acetone	3.82	43	96451	93.446	ug/l	96
17) Carbon Disulfide	4.06	76	149381	17.665	ug/l	98
18) Methyl Acetate	4.33	43	59843	18.781	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	162385	19.498	ug/l	98
20) Methylene Chloride	4.55	84	66612	19.162	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	59479	18.774	ug/l	95
22) Diisopropyl ether	5.95	45	237422	19.406	ug/l	95
23) Vinyl Acetate	5.90	43	821794	97.891	ug/l	99
24) 1,1-Dichloroethane	5.85	63	120009	18.571	ug/l	98
25) 2-Butanone	6.84	43	151995	93.436	ug/l	97
26) 2,2-Dichloropropane	6.83	77	80186	16.990	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	69069	19.476	ug/l	99
28) Bromochloromethane	7.19	49	61799	19.354	ug/l	99
29) Tetrahydrofuran	7.21	42	102087	96.428	ug/l	97
30) Chloroform	7.37	83	114517	18.725	ug/l	99
31) Cyclohexane	7.66	56	119036	19.505	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	94764	19.011	ug/l	99
36) 1,1-Dichloropropene	7.79	75	89475	18.285	ug/l	98
37) Ethyl Acetate	6.93	43	69809	18.968	ug/l	98
38) Carbon Tetrachloride	7.77	117	80256	18.098	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101518	18.189	ug/l	97
40) Benzene	8.04	78	267258	19.076	ug/l	99
41) Methacrylonitrile	7.18	41	33326	15.583	ug/l	91
42) 1,2-Dichloroethane	8.12	62	91683	18.652	ug/l	100
43) Isopropyl Acetate	8.17	43	125017	19.488	ug/l	98
44) Trichloroethene	8.84	130	64992	18.512	ug/l	93
45) 1,2-Dichloropropane	9.12	63	76079	19.438	ug/l	98
46) Dibromomethane	9.21	93	42471	18.891	ug/l	99
47) Bromodichloromethane	9.40	83	82851	17.787	ug/l	100
48) Methyl methacrylate	9.20	41	63753	18.861	ug/l	98
49) 1,4-Dioxane	9.20	88	12089	444.905	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	348222	98.291	ug/l	99
52) Toluene	10.16	92	162066	19.176	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	83000	18.057	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	98250	18.107	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	57920	18.961	ug/l	96
56) Ethyl methacrylate	10.43	69	79791	19.327	ug/l	99
57) 1,3-Dichloropropane	10.71	76	104016	19.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224642	98.270	ug/l	99
59) 2-Hexanone	10.75	43	230374	92.630	ug/l	100
60) Dibromochloromethane	10.90	129	57526	18.566	ug/l	100
61) 1,2-Dibromoethane	11.00	107	56462	18.807	ug/l	99
64) Tetrachloroethene	10.63	164	55592	18.259	ug/l	97
65) Chlorobenzene	11.43	112	173097	18.786	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	59942	19.205	ug/l	96
67) Ethyl Benzene	11.51	91	304962	18.816	ug/l	98
68) m/p-Xylenes	11.62	106	226753	37.568	ug/l	98
69) o-Xylene	11.95	106	109538	18.995	ug/l	99
70) Styrene	11.96	104	176050	18.897	ug/l	100
71) Bromoform	12.12	173	32398	17.400	ug/l #	99
73) Isopropylbenzene	12.25	105	290102	19.299	ug/l	100
74) N-amyl acetate	12.07	43	107792	19.752	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	72283	19.614	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	67800m	20.839	ug/l	
77) Bromobenzene	12.53	156	67144	19.082	ug/l	97
78) n-propylbenzene	12.59	91	334247	18.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	197931	19.406	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	228597	19.122	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16840	17.668	ug/l	90
82) 4-Chlorotoluene	12.77	91	200607	19.602	ug/l	99
83) tert-Butylbenzene	12.99	119	202532	19.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	236249	19.600	ug/l	98
85) sec-Butylbenzene	13.17	105	275974	19.282	ug/l	100
86) p-Isopropyltoluene	13.29	119	233981	19.541	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	117105	19.118	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115187	18.784	ug/l	98
89) n-Butylbenzene	13.61	91	195665	18.351	ug/l	98
90) Hexachloroethane	13.87	117	36195	17.222	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	115740	19.361	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10333	19.723	ug/l	96

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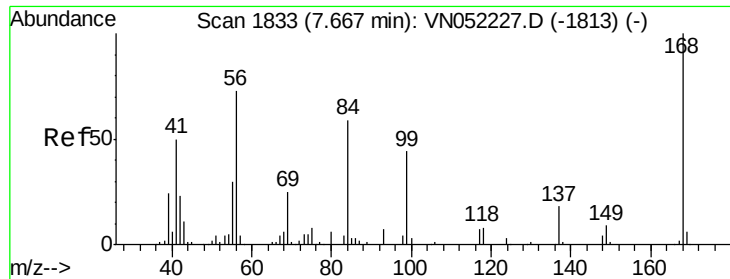
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47874	20.253	ug/l	100
94) Hexachlorobutadiene	15.01	225	25831	20.110	ug/l	97
95) Naphthalene	15.13	128	117353	20.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44657	19.981	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion:168 Resp: 278833

Ion Ratio Lower Upper

168 100

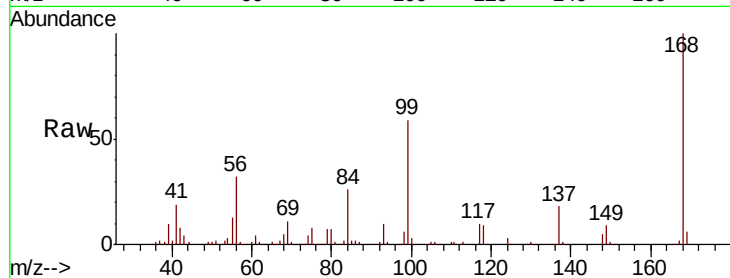
99 58.9 44.7 67.1

Manual Integrations

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11/12/2018 9:19:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

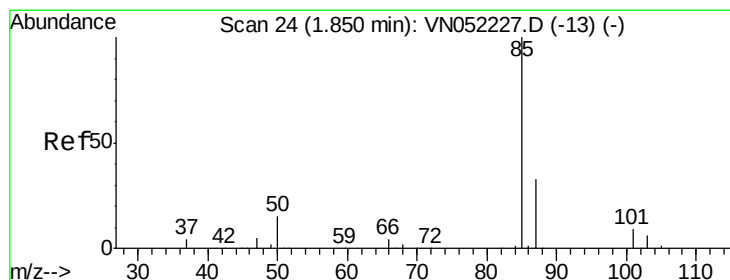
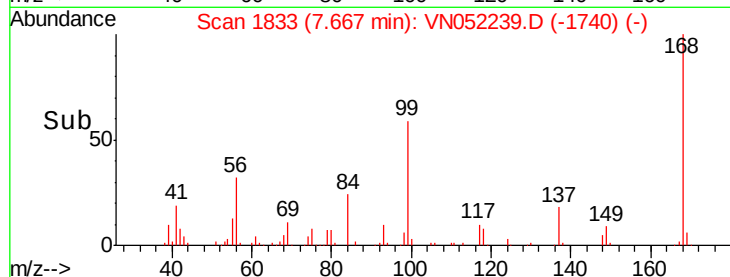
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.750 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052239.D

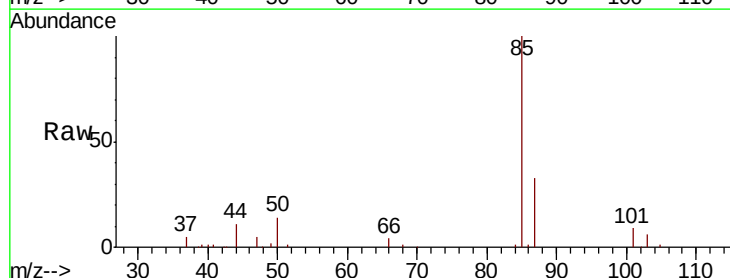
Acq: 9 Nov 2018 20:42

Tgt Ion: 85 Resp: 59868

Ion Ratio Lower Upper

85 100

87 33.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

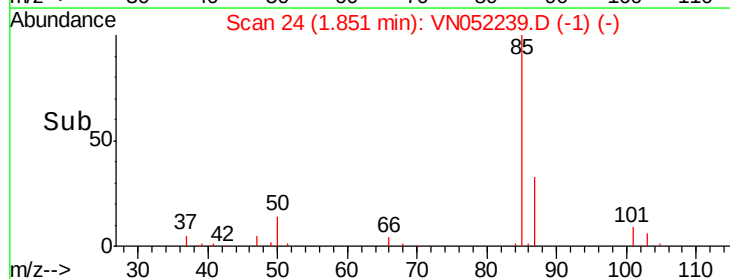
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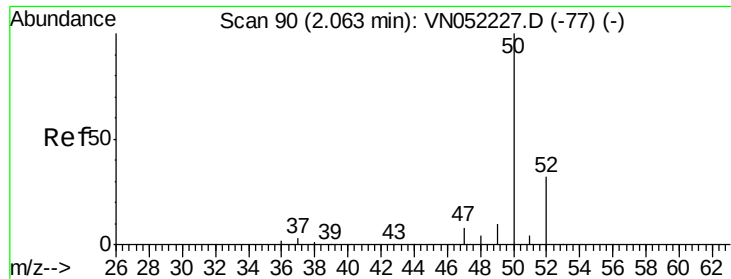
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.950 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 50 Resp: 84433

Ion Ratio Lower Upper

50 100

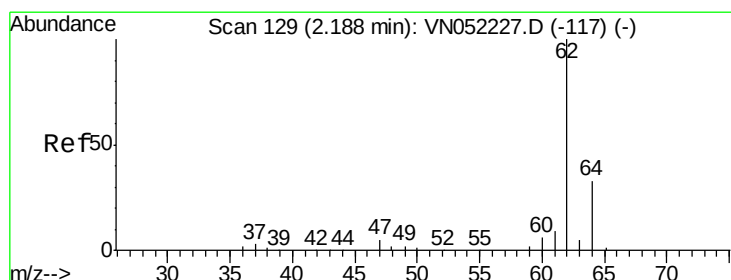
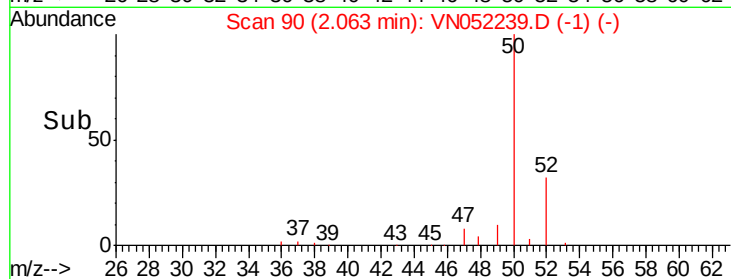
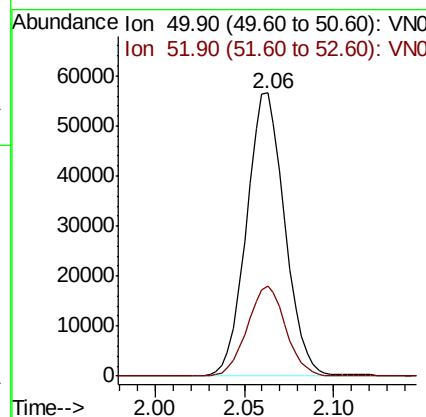
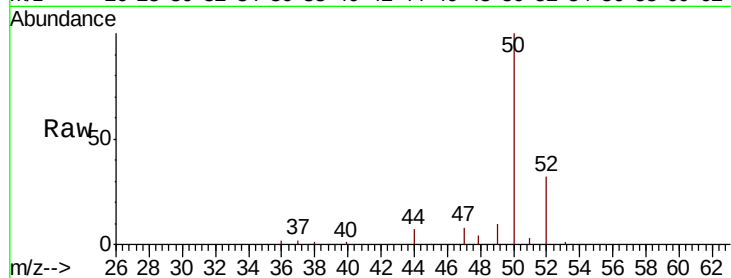
52 31.7 25.7 38.5

Manual Integrations

APPROVED

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11/12/2018 9:19:05 AM



#4

Vinyl Chloride

Concen: 19.666 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052239.D

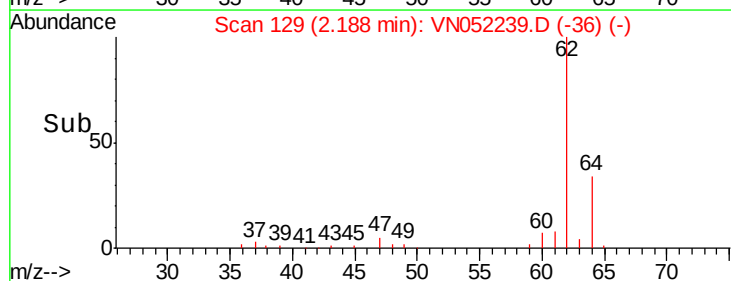
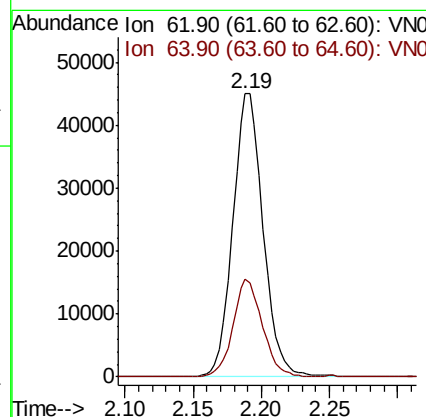
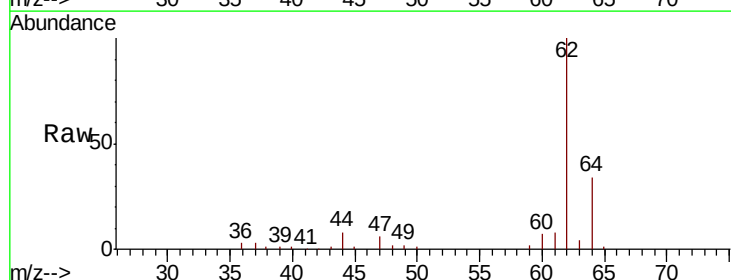
Acq: 9 Nov 2018 20:42

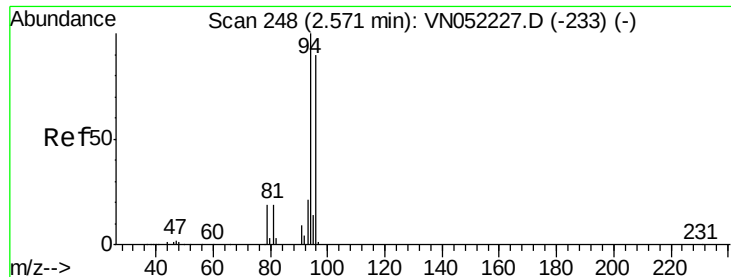
Tgt Ion: 62 Resp: 69346

Ion Ratio Lower Upper

62 100

64 34.5 26.1 39.1





#5

Bromomethane

Concen: 18.548 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 94 Resp: 41497

Ion Ratio Lower Upper

94 100

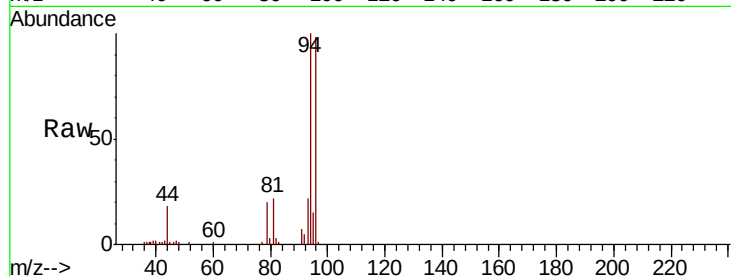
96 98.0 71.8 107.8

Manual Integrations

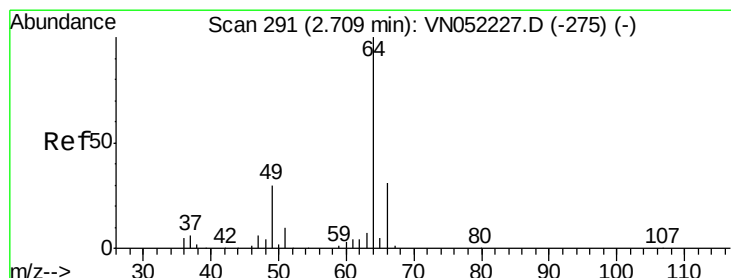
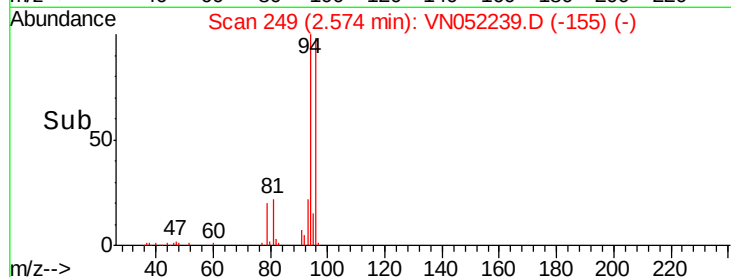
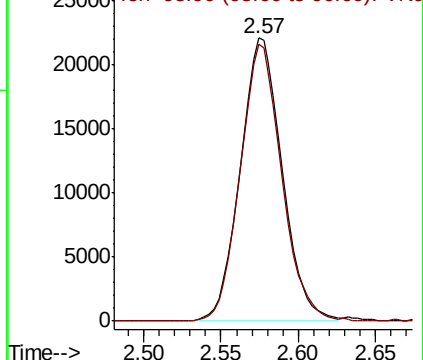
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.669 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052239.D

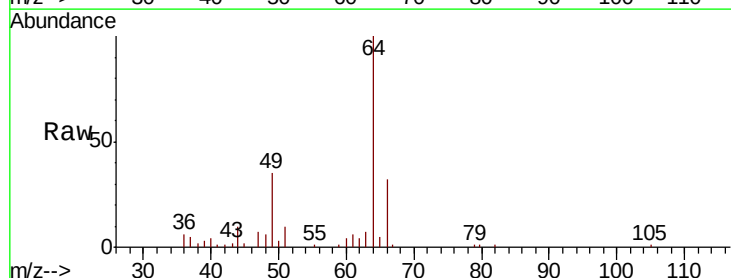
Acq: 9 Nov 2018 20:42

Tgt Ion: 64 Resp: 39092

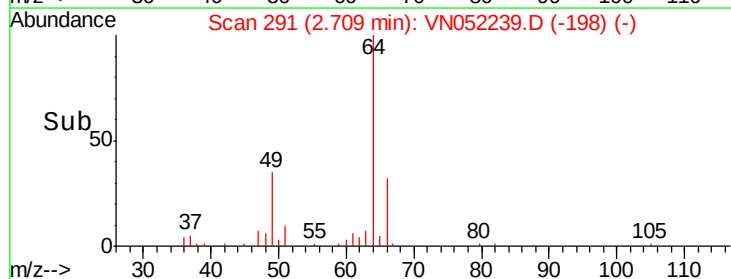
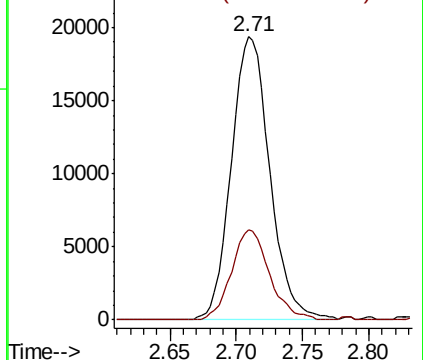
Ion Ratio Lower Upper

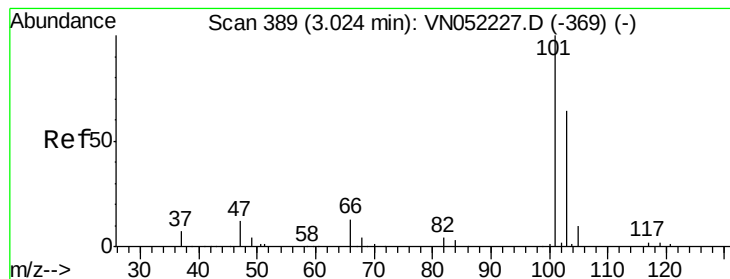
64 100

66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

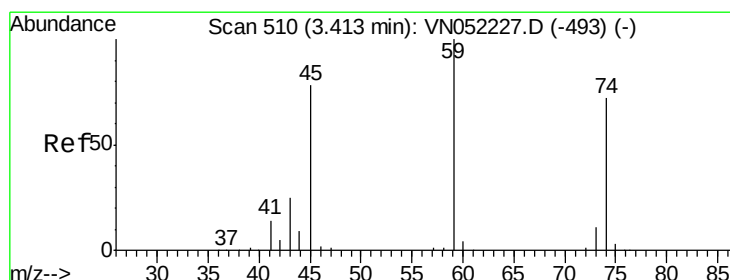
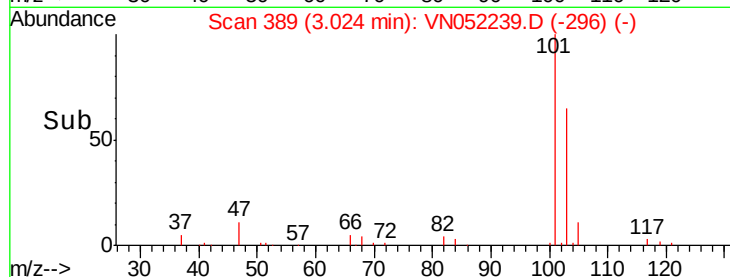
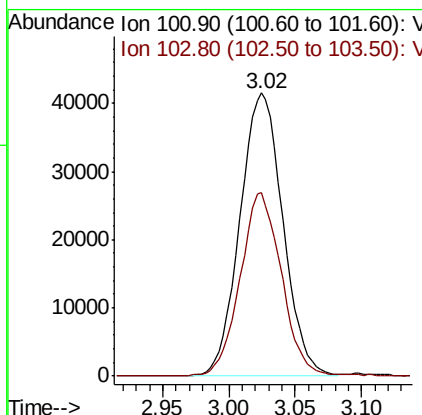
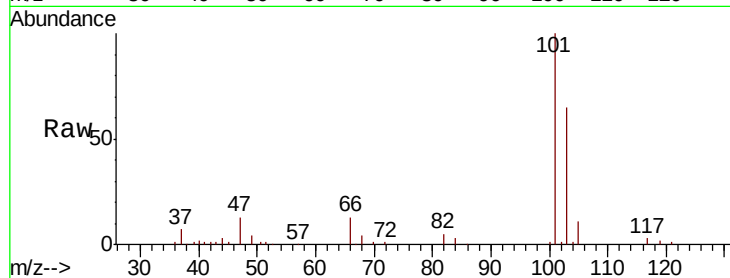
Trichlorofluoromethane
Concen: 19.064 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
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ClientSampleId :
VN1109WBSD01

Tot Ion:101 Resp: 93579
Ion Ratio Lower Upper
101 100
103 64.7 51.2 76.8

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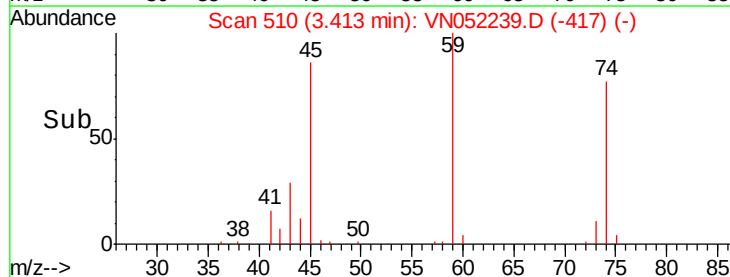
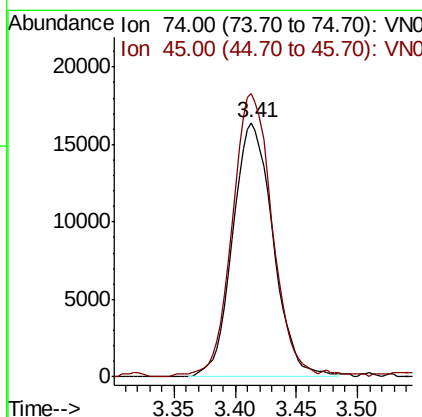
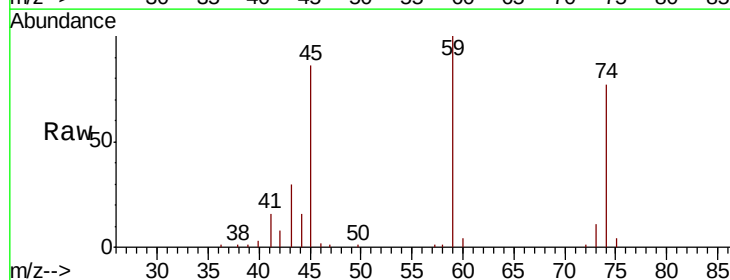
MMDadoda
11/12/2018 9:19:05 AM

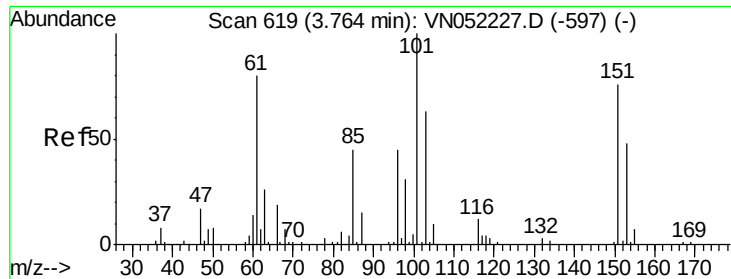


#8

Diethyl Ether
Concen: 19.497 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 74 Resp: 37650
Ion Ratio Lower Upper
74 100
45 110.4 55.5 166.7





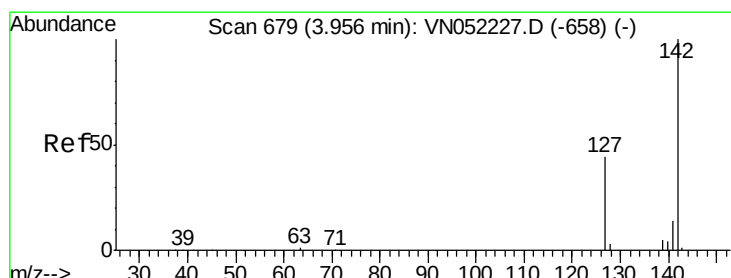
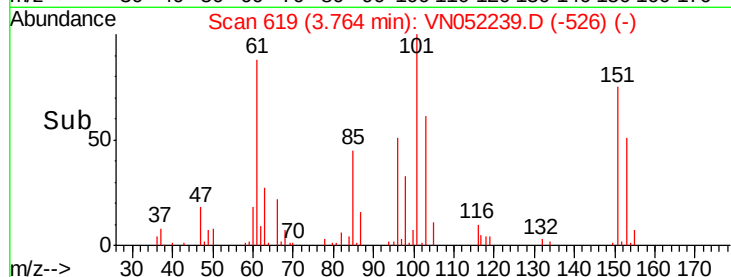
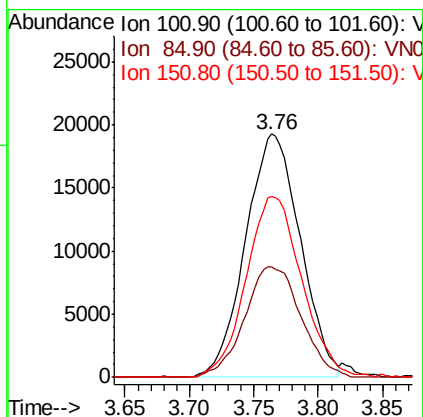
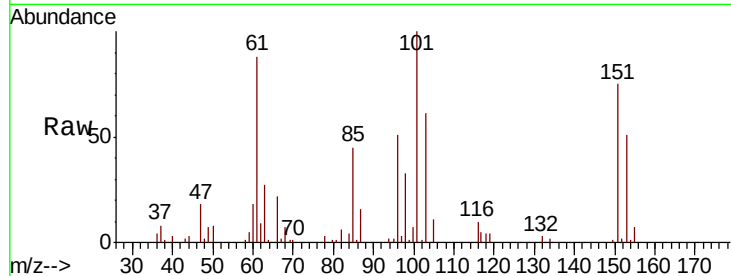
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.079 ug/l
RT: 3.76 min Scan# 619
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.2	54.4
151	75.8	59.2	88.8

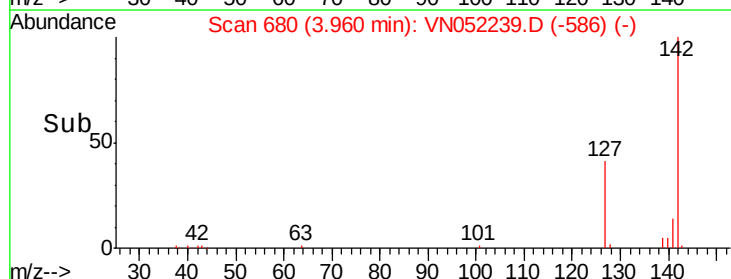
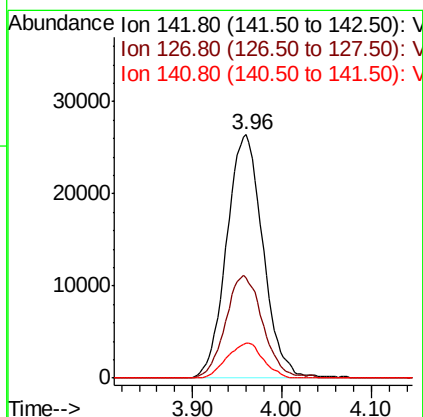
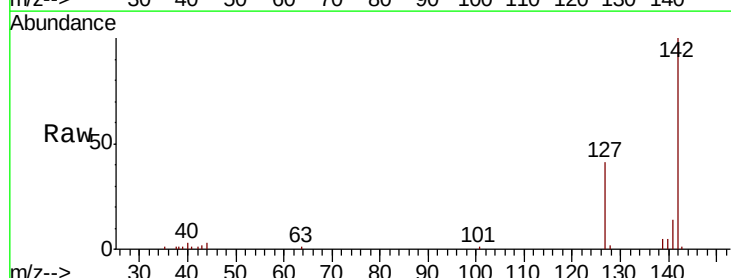
Manual Integrations
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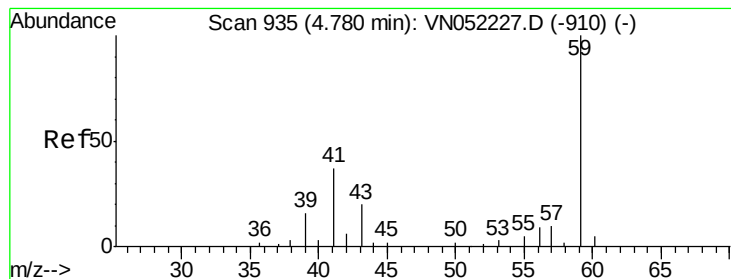
MMDadoda
11/12/2018 9:19:05 AM



#10
Methyl Iodide
Concen: 18.284 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	35.3	52.9
141	14.3	11.8	17.6





#11

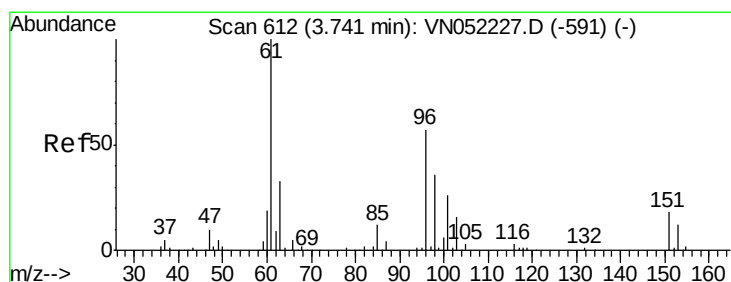
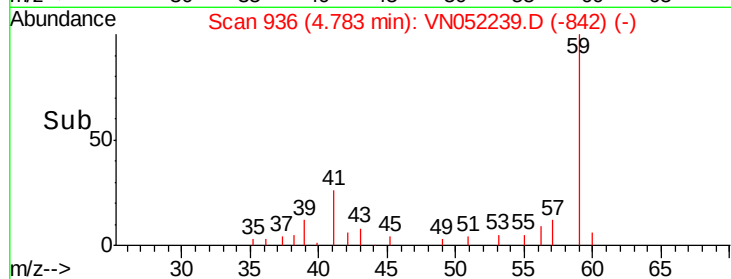
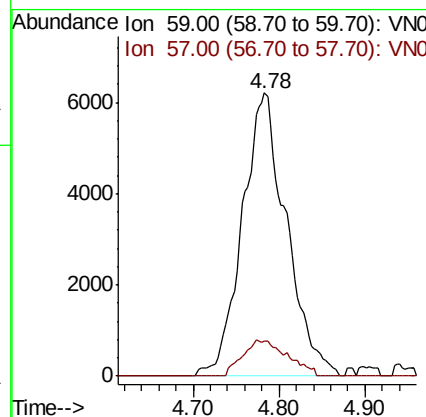
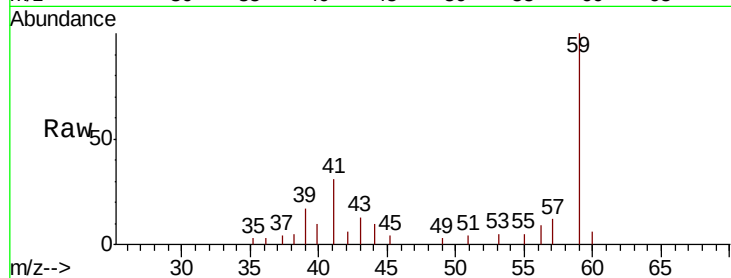
Tert butyl alcohol
 Concen: 113.005 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.8	13.2

Manual Integrations
 APPROVED

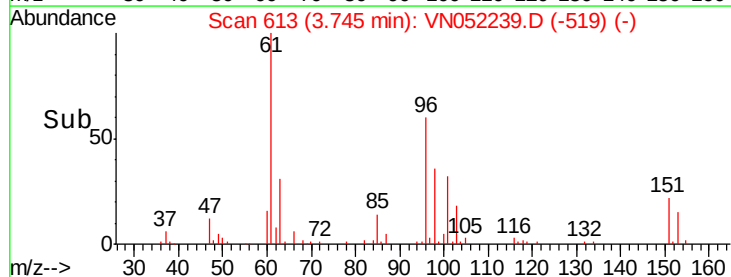
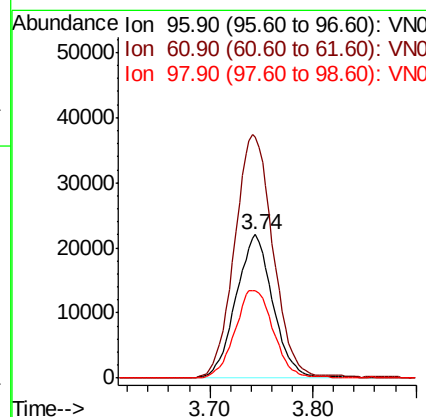
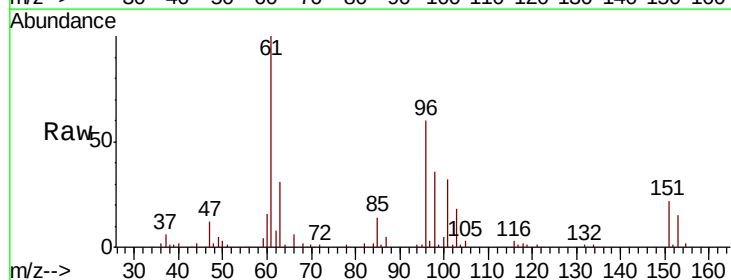
MMDadoda
 11/12/2018 9:19:05 AM

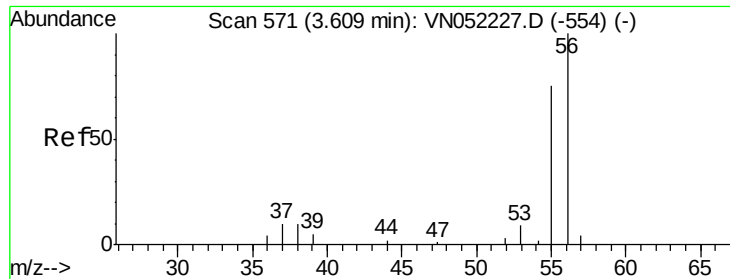


#12

1,1-Dichloroethene
 Concen: 18.815 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	141.1	211.7
98	61.0	50.3	75.5





#13

Acrolein

Concen: 122.868 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 56 Resp: 31180

Ion Ratio Lower Upper

56 100

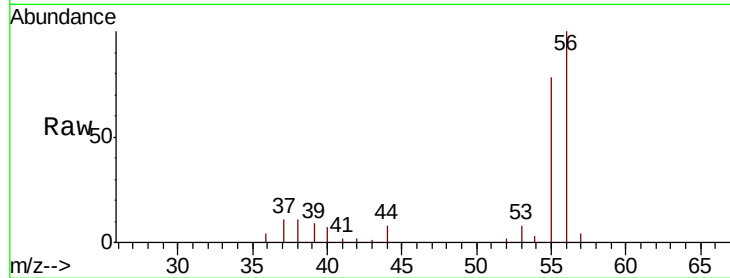
55 75.9 59.9 89.9

Manual Integrations

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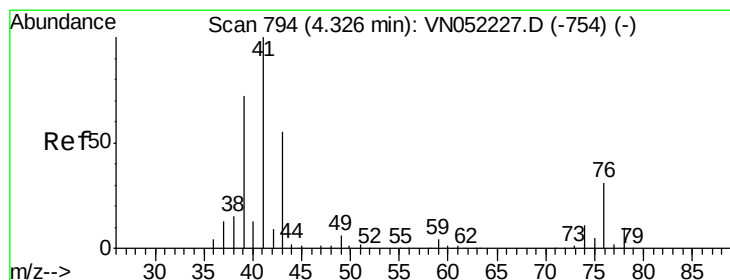
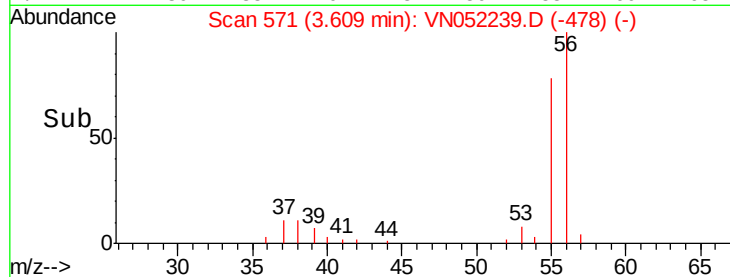
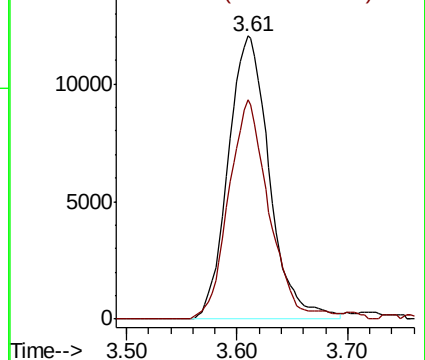
MMDadoda

11/12/2018 9:19:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.862 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

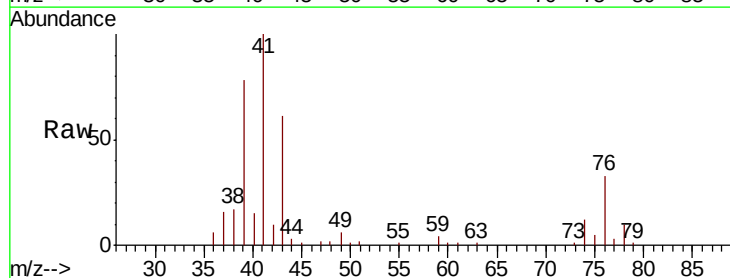
Tgt Ion: 41 Resp: 109013

Ion Ratio Lower Upper

41 100

39 70.3 55.1 82.7

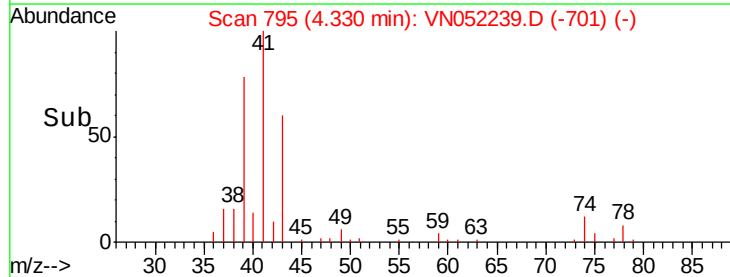
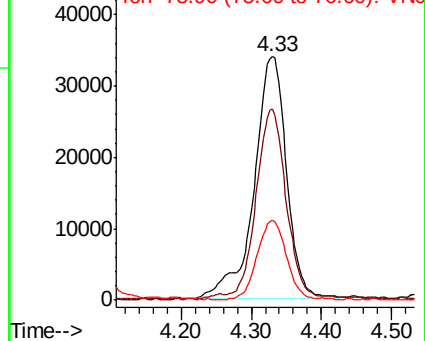
76 29.9 23.6 35.4

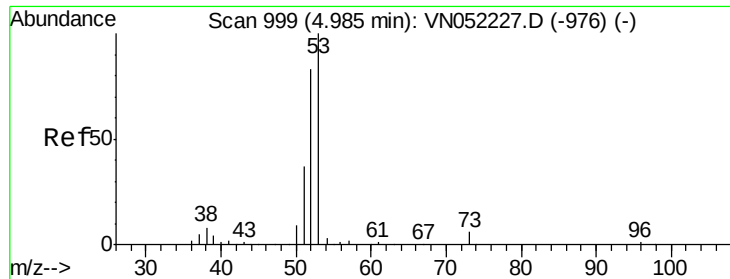


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





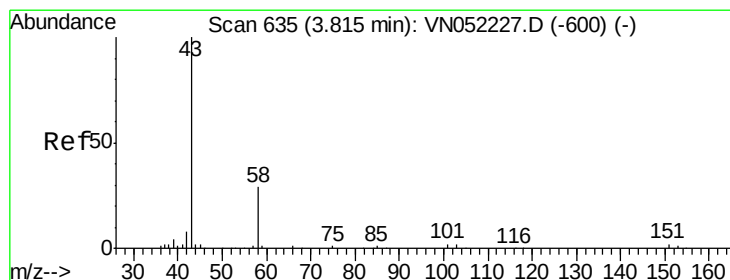
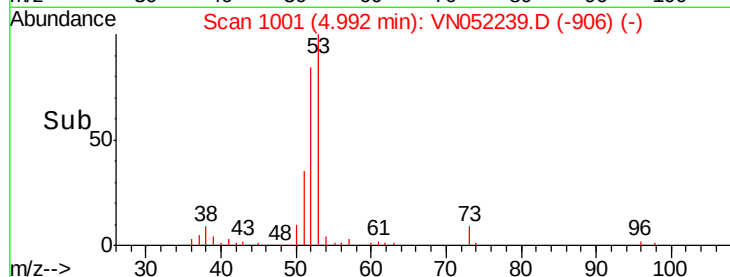
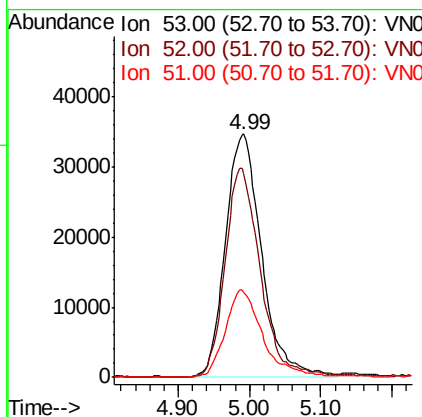
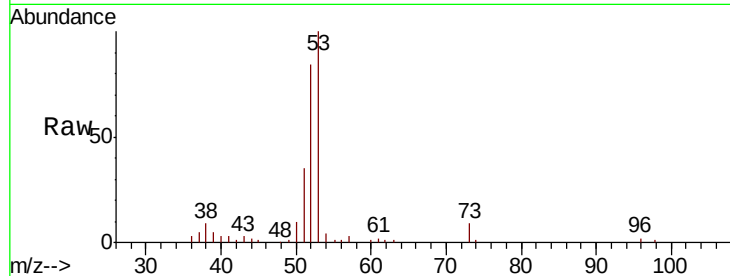
#15
 Acrylonitrile
 Concen: 102.552 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.1	66.7	100.1	
51	37.0	29.4	44.0	

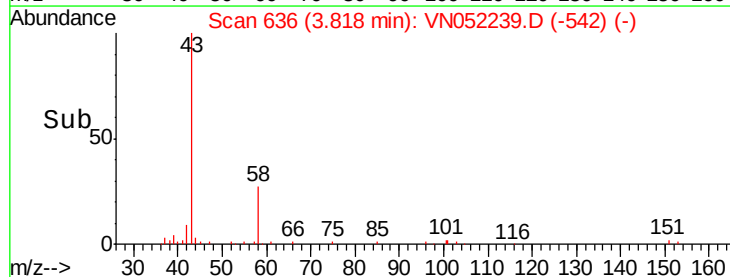
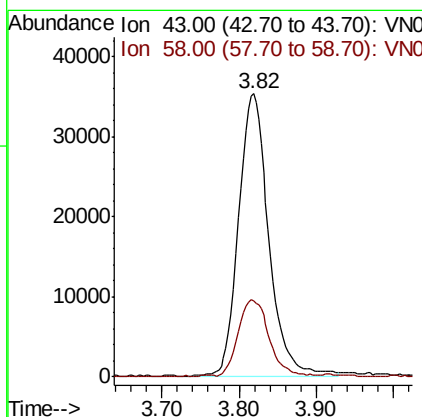
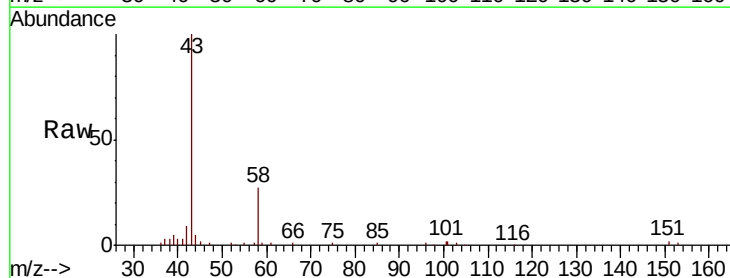
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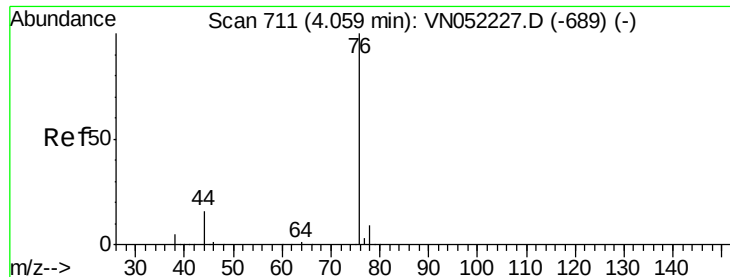
MMDadoda
 11/12/2018 9:19:05 AM



#16
 Acetone
 Concen: 93.446 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	26.8	23.0	34.6	





#17

Carbon Disulfide

Concen: 17.665 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 76 Resp: 149381

Ion Ratio Lower Upper

76 100

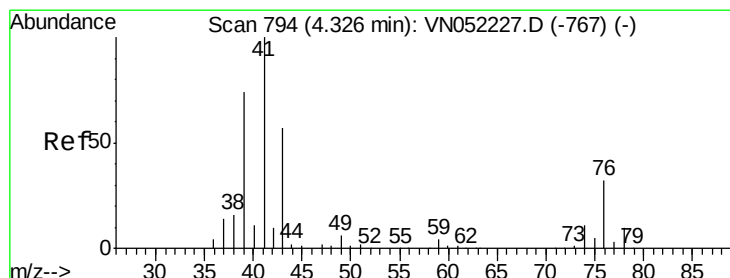
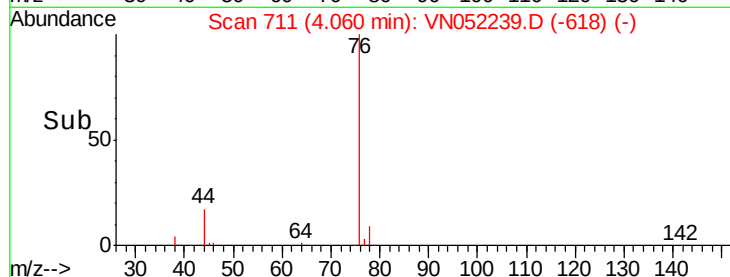
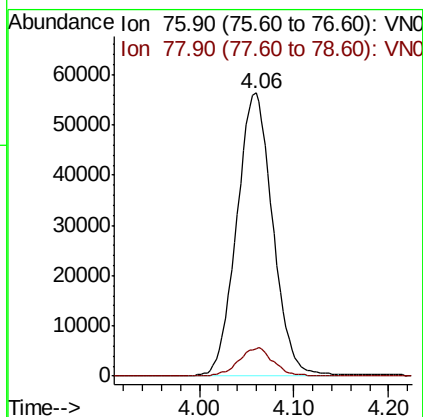
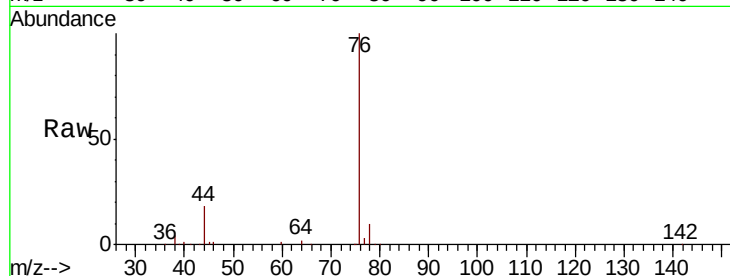
78 9.8 7.3 10.9

Manual Integrations

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MMDadoda

11/12/2018 9:19:05 AM



#18

Methyl Acetate

Concen: 18.781 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052239.D

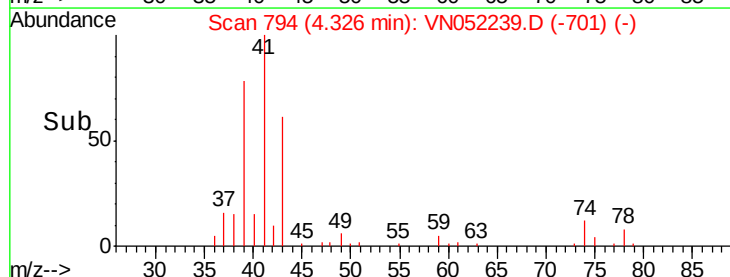
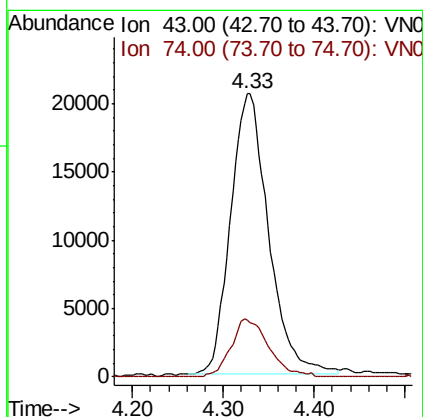
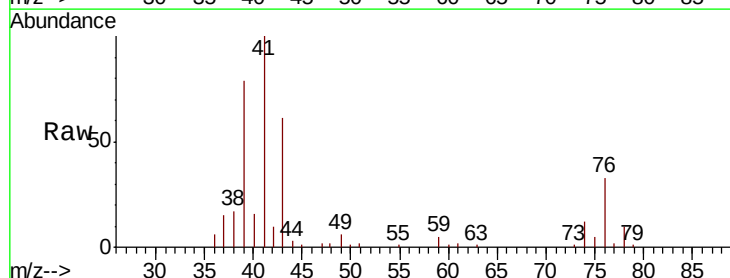
Acq: 9 Nov 2018 20:42

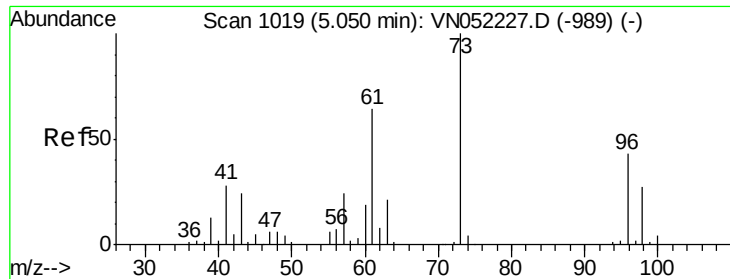
Tgt Ion: 43 Resp: 59843

Ion Ratio Lower Upper

43 100

74 20.5 16.2 24.2





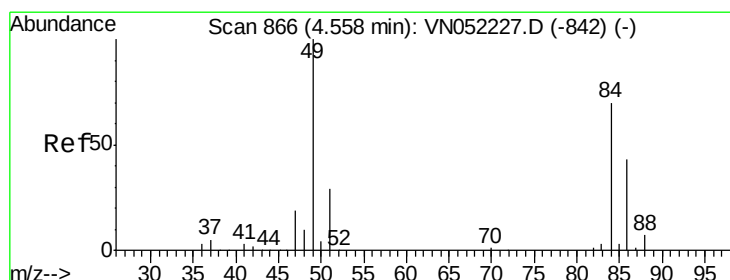
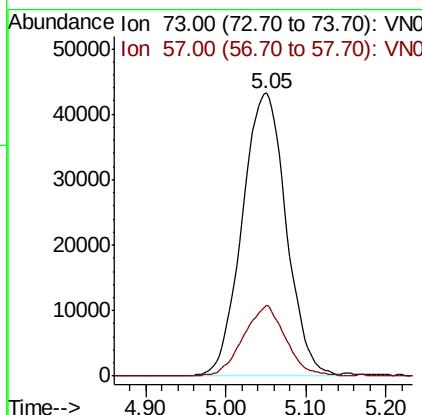
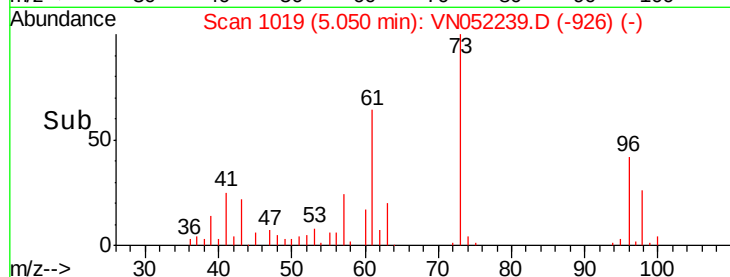
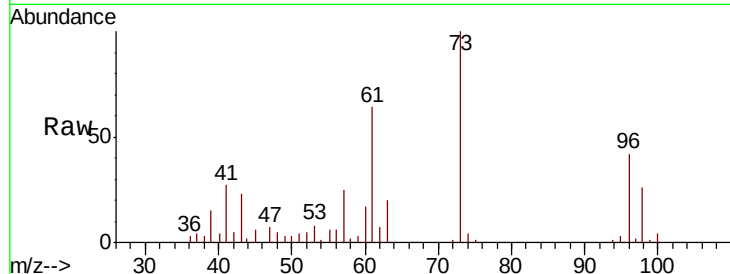
#19
Methyl tert-butyl Ether
Concen: 19.498 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 73 Resp: 162385
Ion Ratio Lower Upper
73 100
57 25.0 19.1 28.7

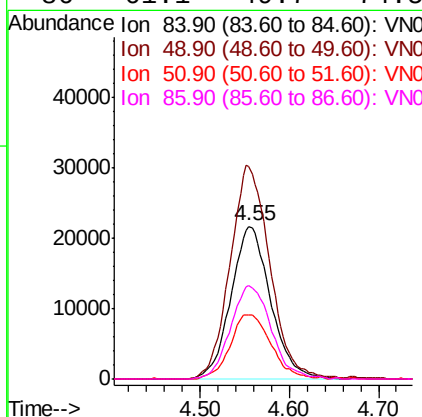
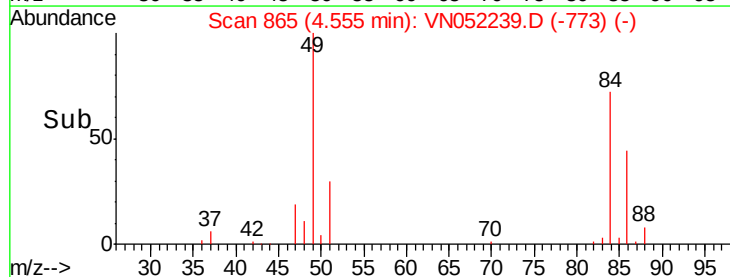
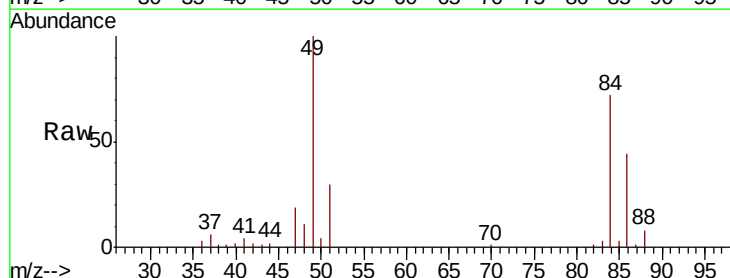
Manual Integrations
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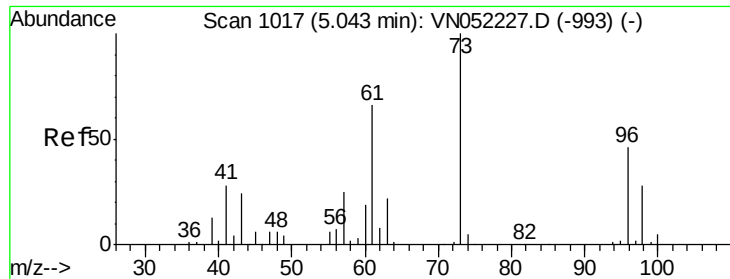
MMDadoda
11/12/2018 9:19:05 AM



#20
Methylene Chloride
Concen: 19.162 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 84 Resp: 66612
Ion Ratio Lower Upper
84 100
49 139.8 114.8 172.2
51 42.2 33.1 49.7
86 61.1 49.7 74.5





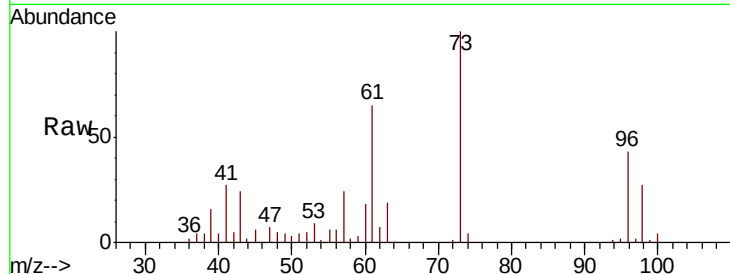
#21
trans-1,2-Dichloroethene
Concen: 18.774 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.1	115.3	172.9
98	63.5	49.5	74.3

Manual Integrations
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MMDadoda
11/12/2018 9:19:05 AM

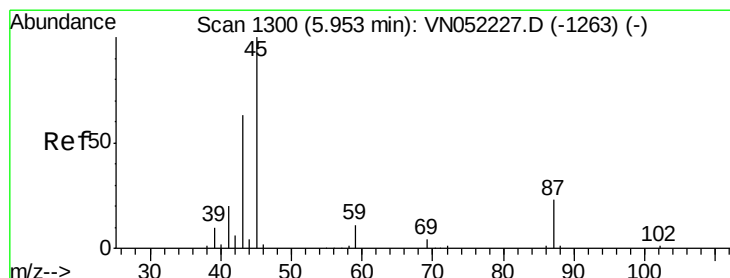
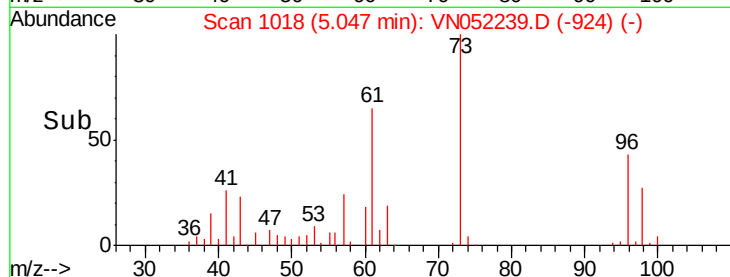
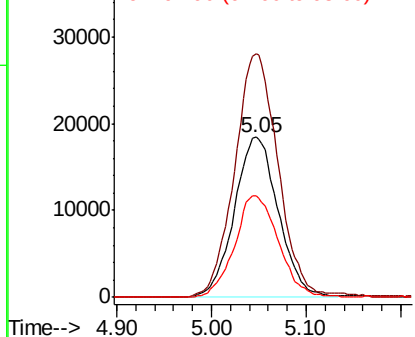


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 19.406 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.8	50.6	76.0
87	22.1	19.0	28.4
59	10.4	8.6	13.0

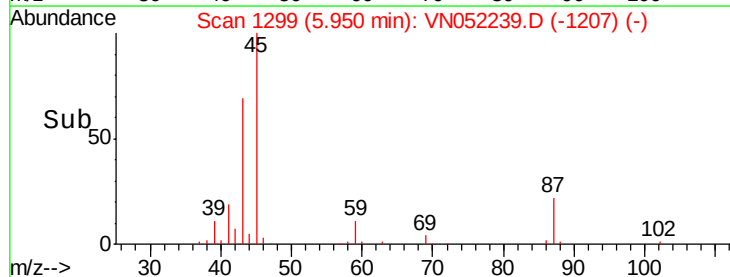
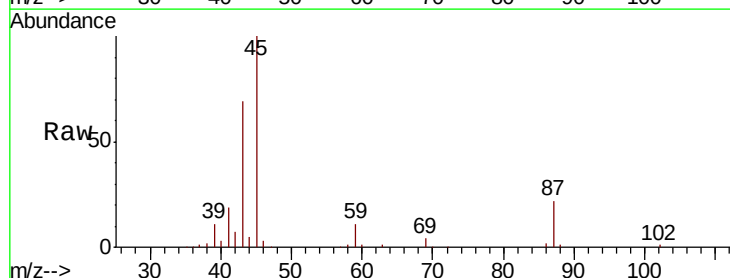
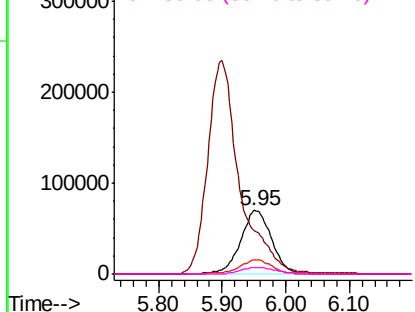
Abundance

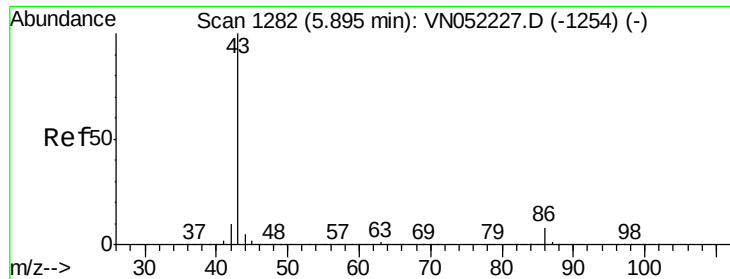
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





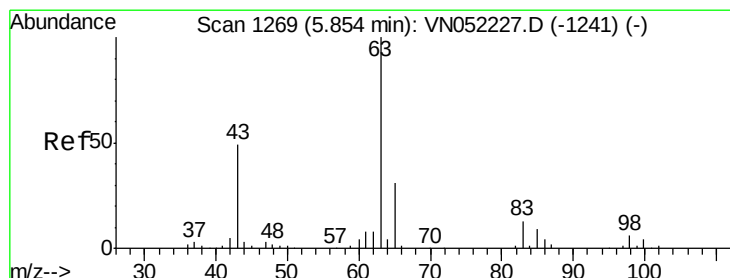
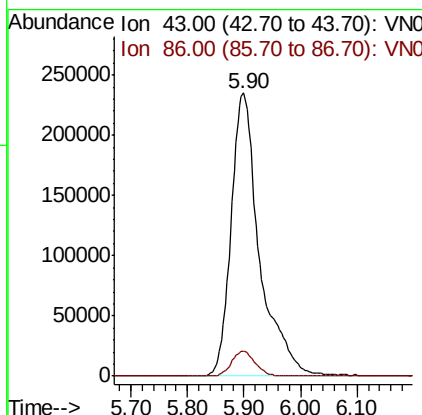
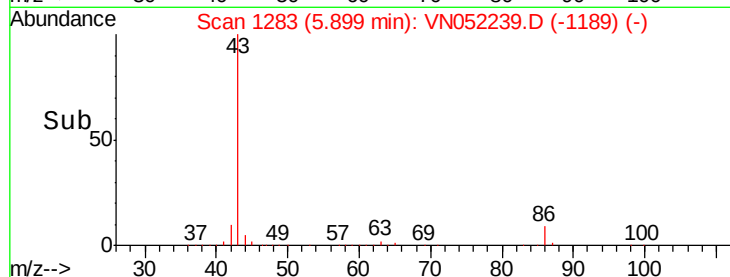
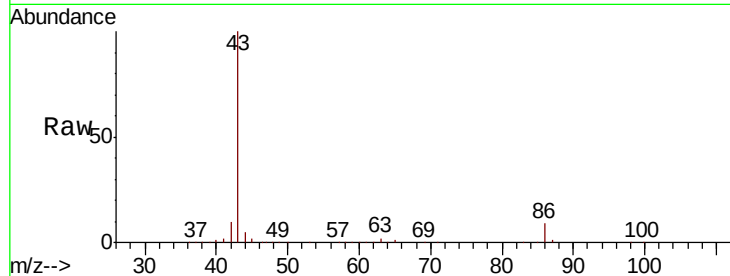
#23
 Vinyl Acetate
 Concen: 97.891 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1109WBSD01

Tot Ion: 43 Resp: 821794
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.7 10.1

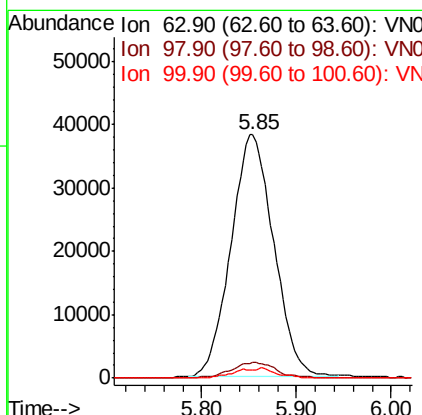
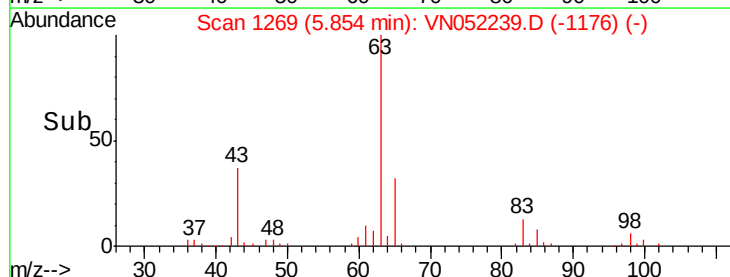
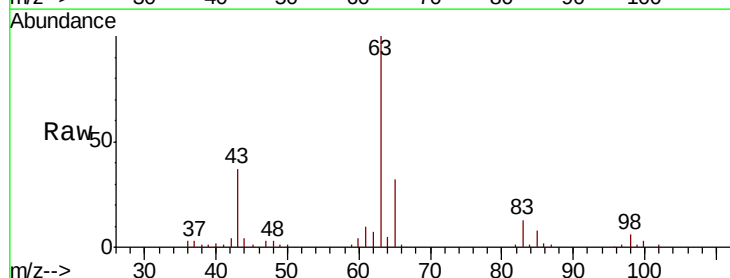
Manual Integrations
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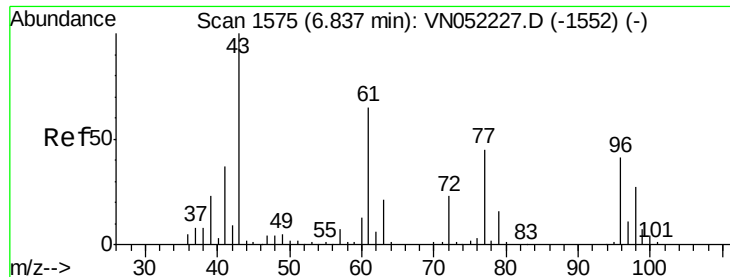
MMDadoda
 11/12/2018 9:19:05 AM



#24
 1,1-Dichloroethane
 Concen: 18.571 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 63 Resp: 120009
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.6
 100 3.3 2.1 6.2





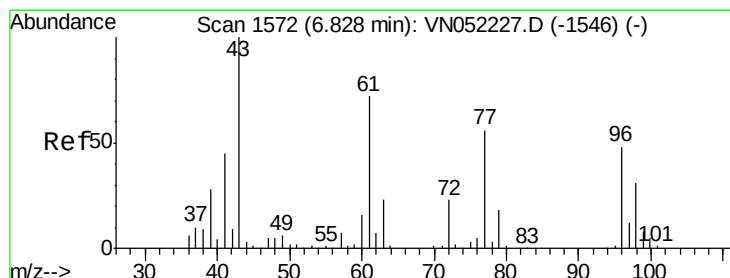
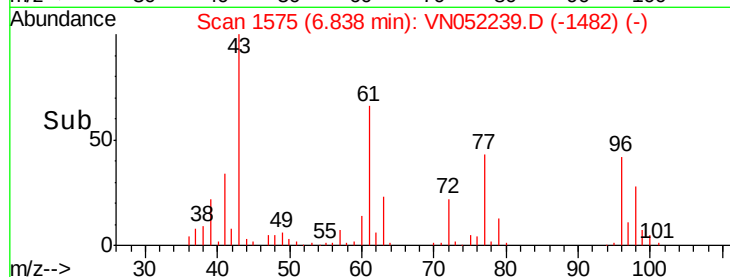
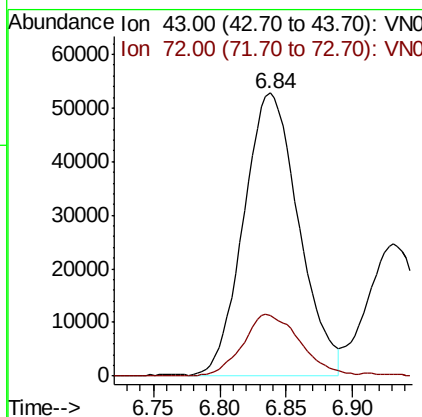
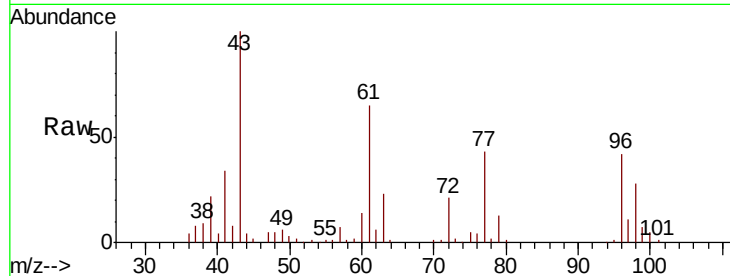
#25
2-Butanone
Concen: 93.436 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 43 Resp: 151995
Ion Ratio Lower Upper
43 100
72 21.5 18.6 27.8

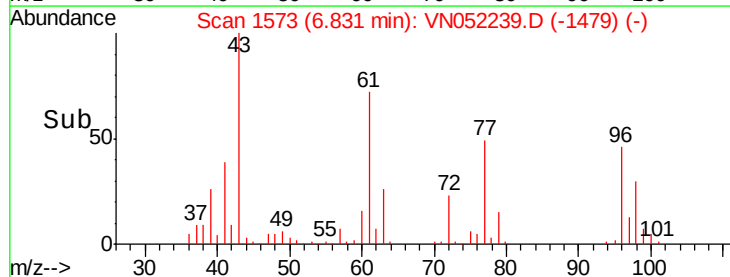
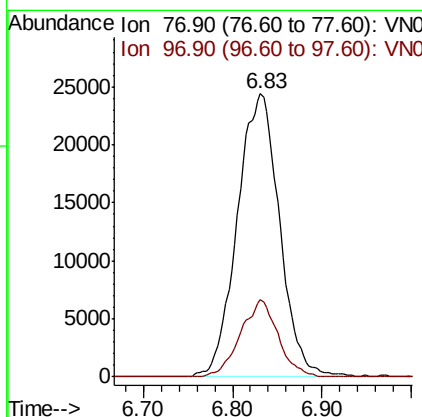
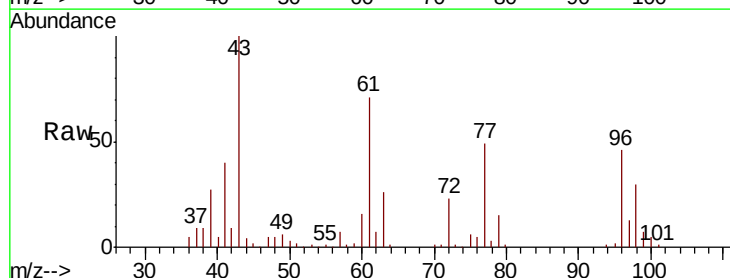
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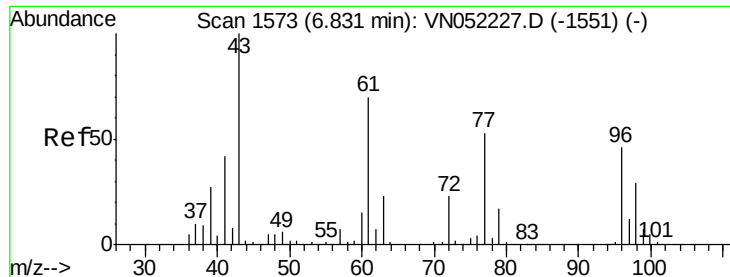
MMDadoda
11/12/2018 9:19:05 AM



#26
2,2-Dichloropropane
Concen: 16.990 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 77 Resp: 80186
Ion Ratio Lower Upper
77 100
97 24.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.476 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 96 Resp: 69069

Ion Ratio Lower Upper

96 100

61 155.4 0.0 313.4

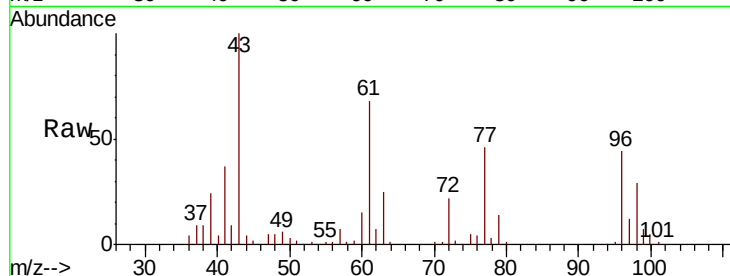
98 63.9 0.0 129.8

Manual Integrations

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MMDadoda

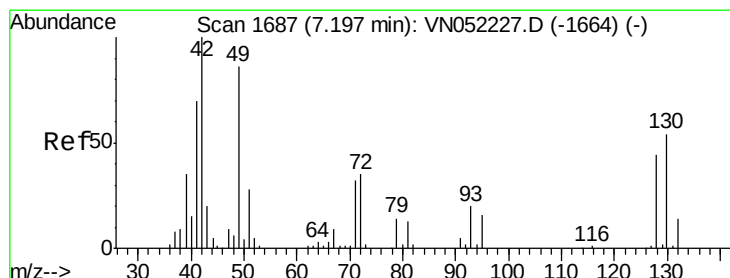
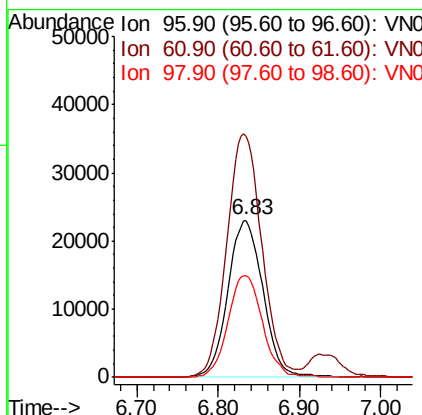
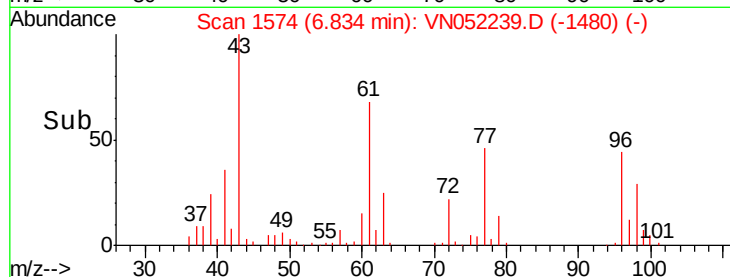
11/12/2018 9:19:05 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.354 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

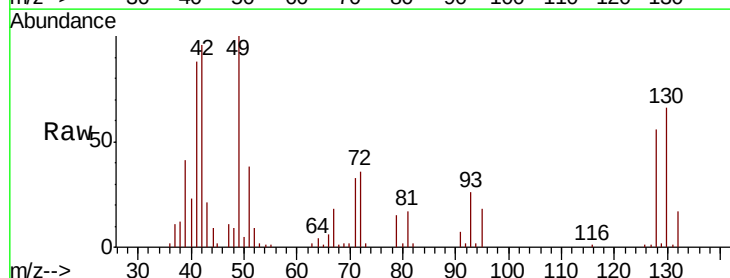
Tgt Ion: 49 Resp: 61799

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.8

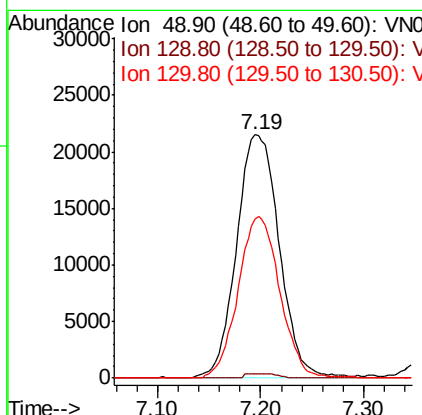
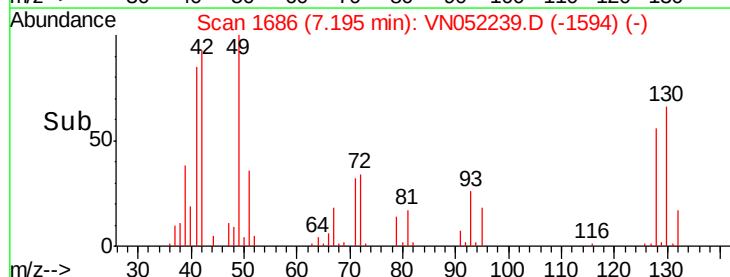
130 64.9 51.4 77.2

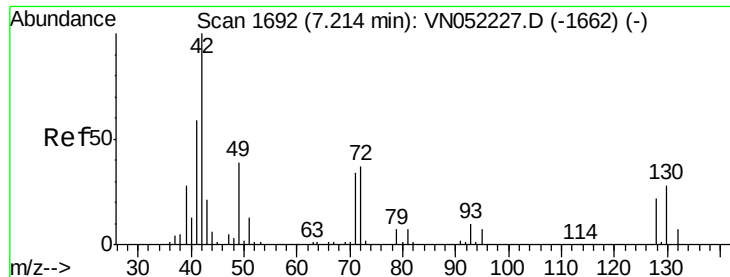


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





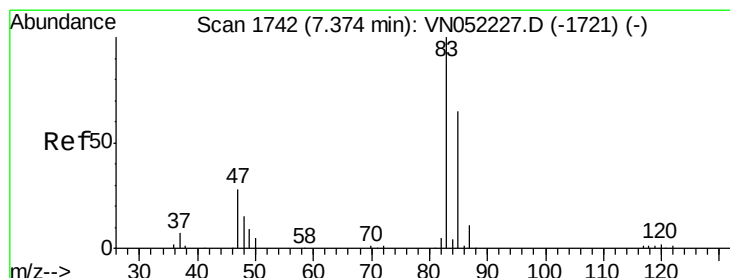
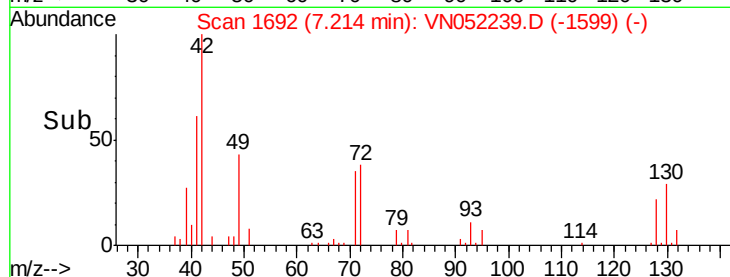
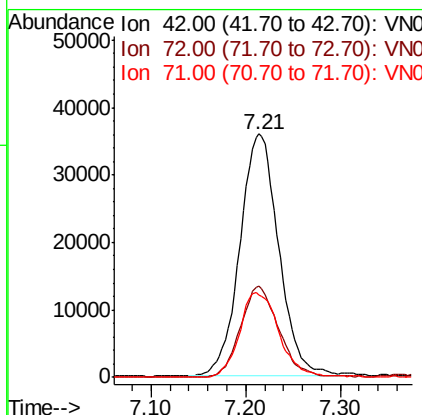
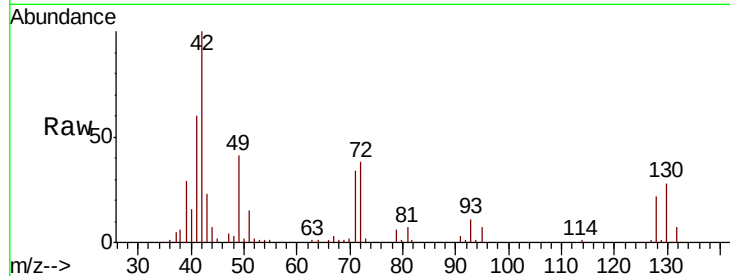
#29
Tetrahydrofuran
Concen: 96.428 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	28.6	43.0
71	35.5	27.1	40.7

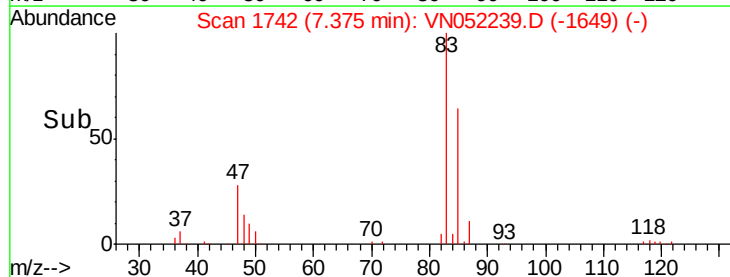
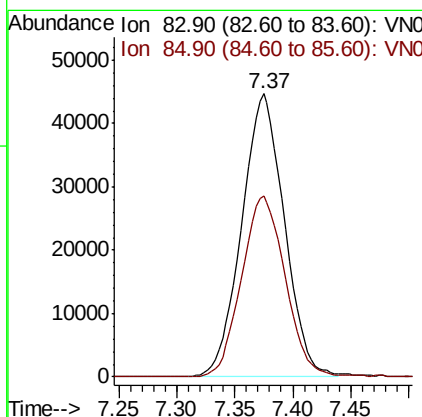
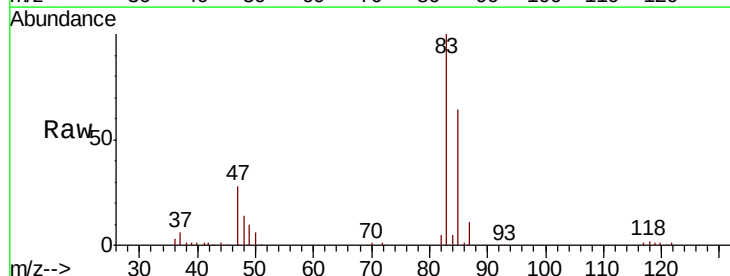
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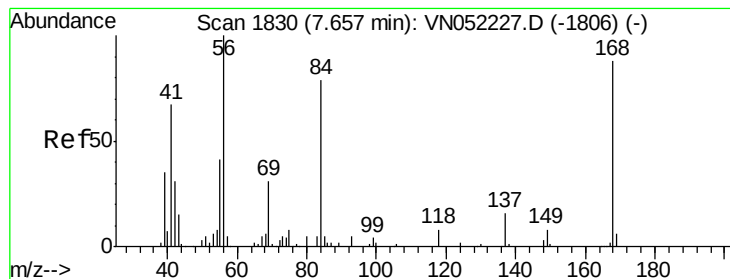
MMDadoda
11/12/2018 9:19:05 AM



#30
Chloroform
Concen: 18.725 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





#31

Cyclohexane

Concen: 19.505 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 56 Resp: 119036

Ion Ratio Lower Upper

56 100

69 35.8 24.8 37.2

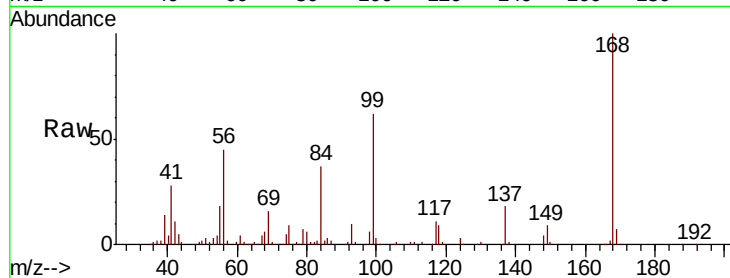
84 81.5 63.1 94.7

Manual Integrations

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MMDadoda

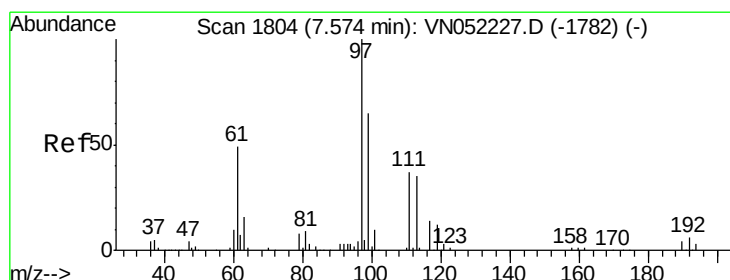
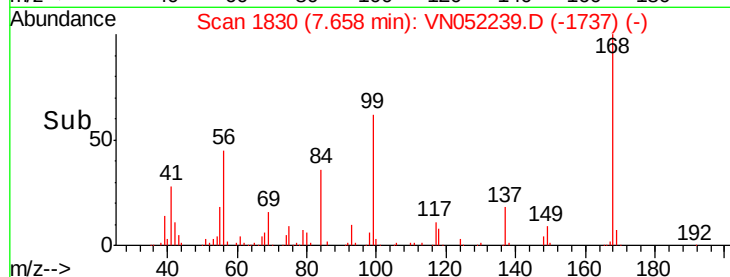
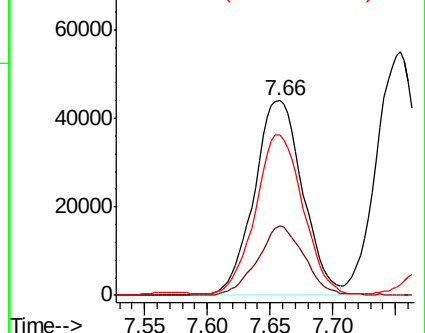
11/12/2018 9:19:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.011 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

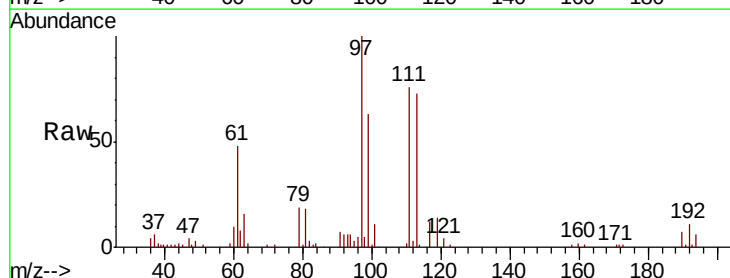
Tgt Ion: 97 Resp: 94764

Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

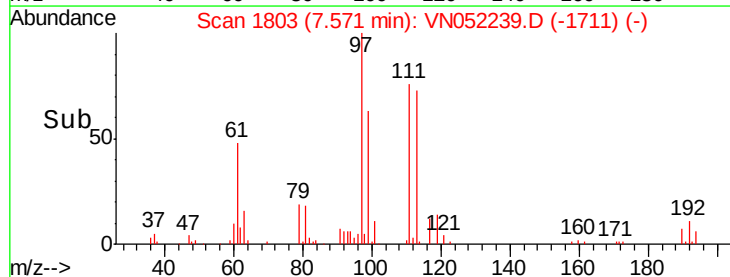
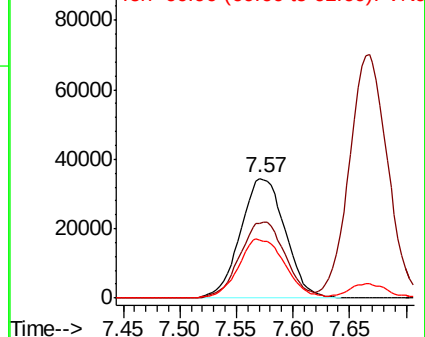
61 51.2 40.2 60.4

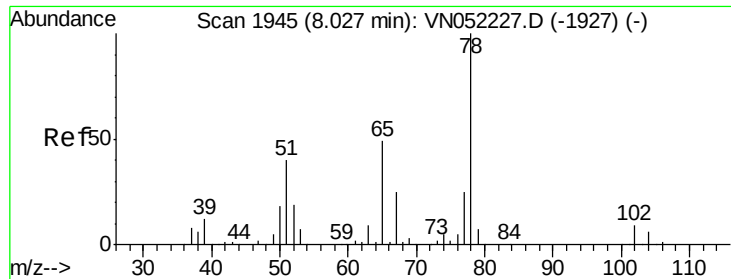


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





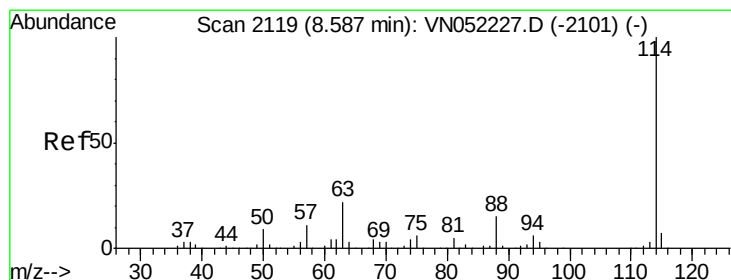
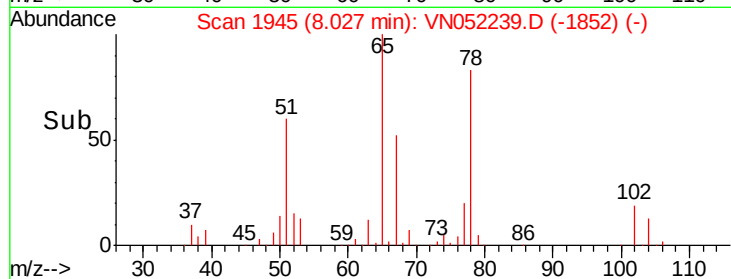
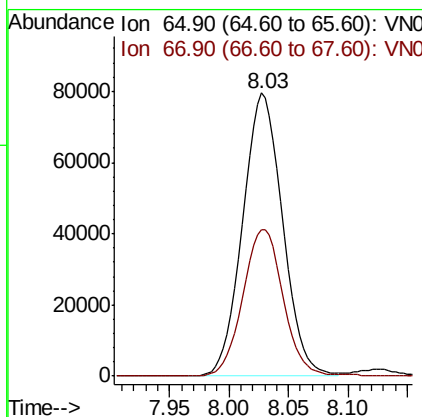
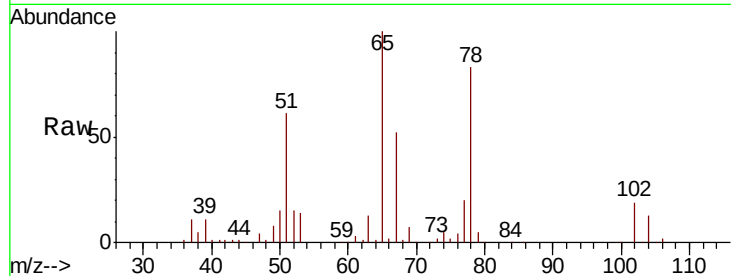
#33
 1,2-Dichloroethane-d4
 Concen: 19.011 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184930		
67	52.5	0.0	106.6	

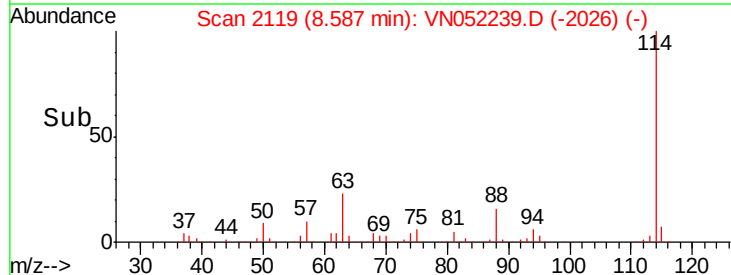
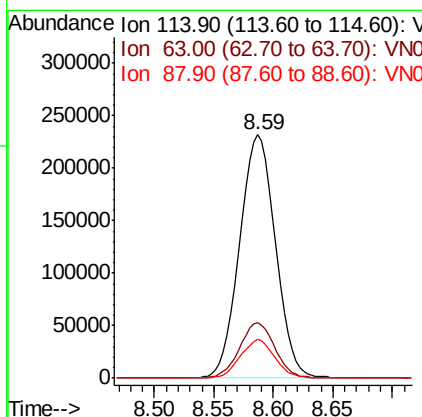
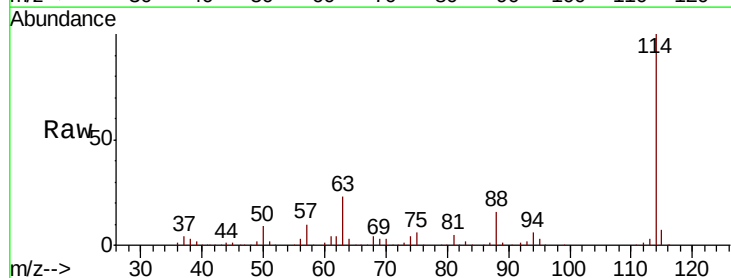
Manual Integrations
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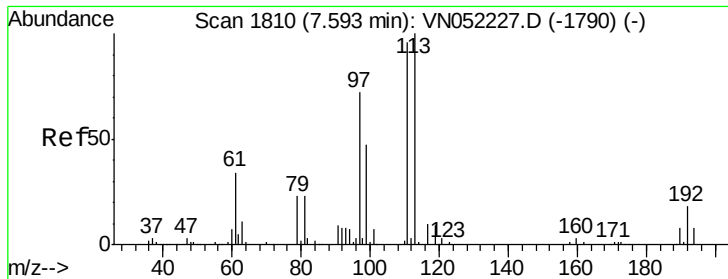
MMDadoda
 11/12/2018 9:19:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	484799		
63	22.8	0.0	43.4	
88	15.9	0.0	30.2	





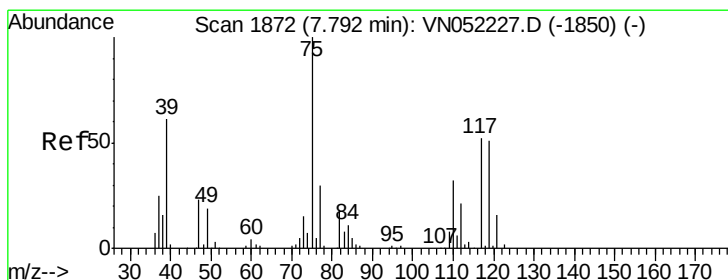
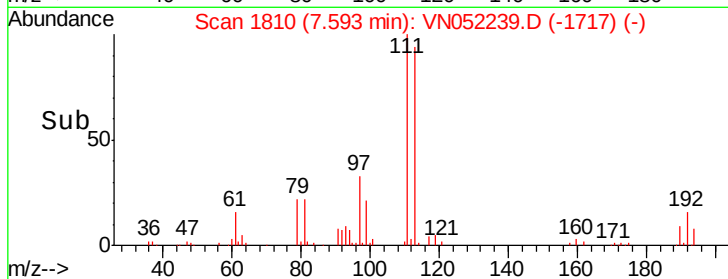
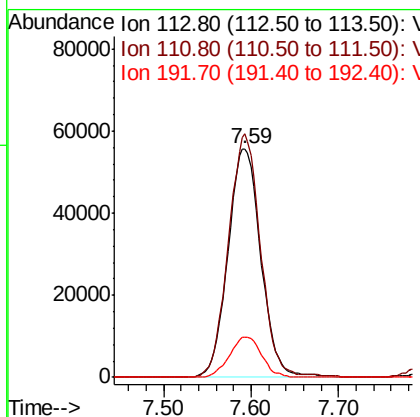
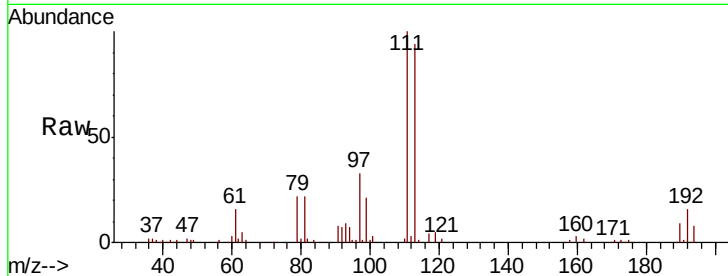
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145285		
111	102.9	80.2	120.4	
192	17.2	14.1	21.1	

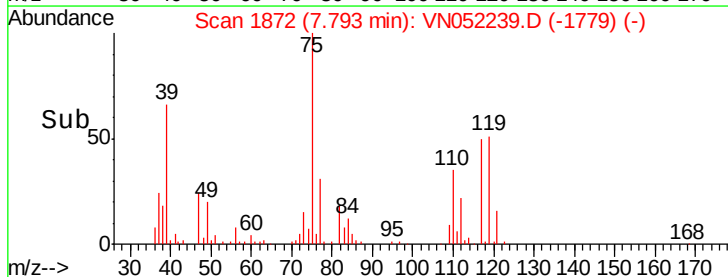
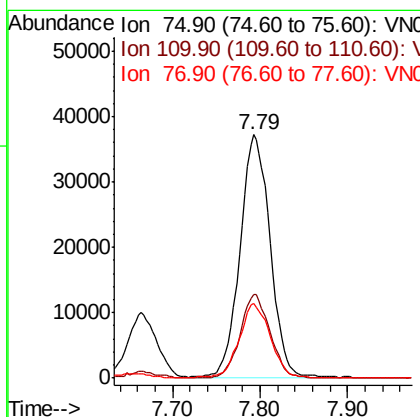
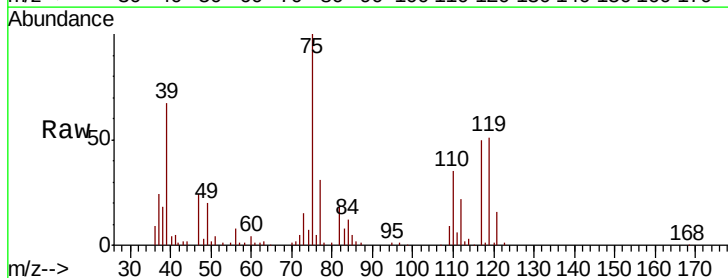
Manual Integrations
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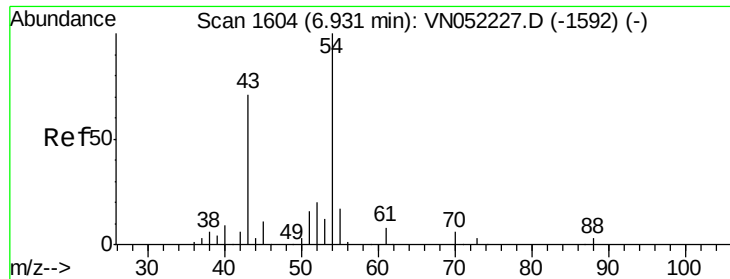
MMDadoda
 11/12/2018 9:19:05 AM



#36
 1,1-Dichloropropene
 Concen: 18.285 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89475		
110	33.9	16.4	49.4	
77	31.3	23.9	35.9	





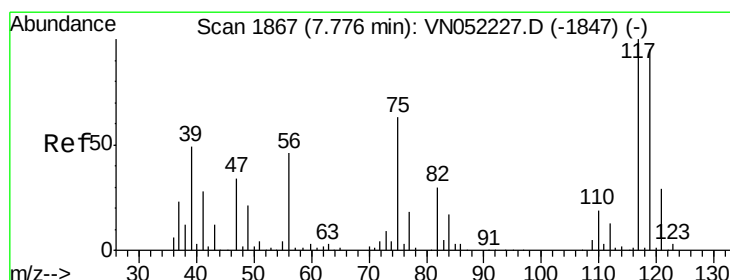
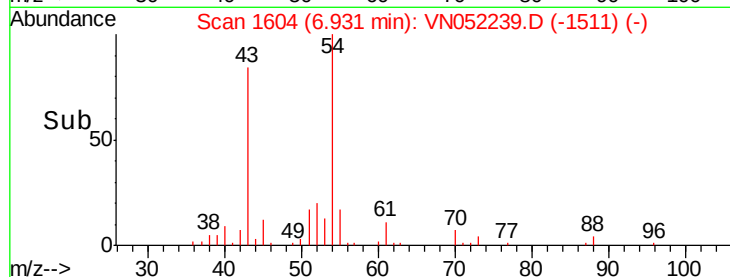
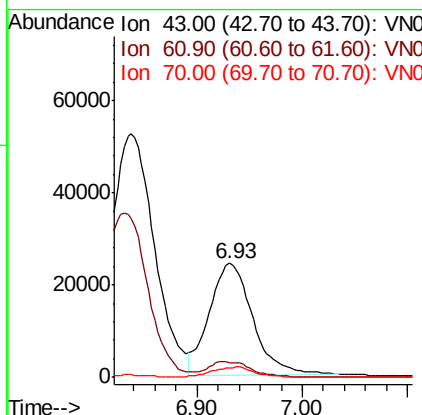
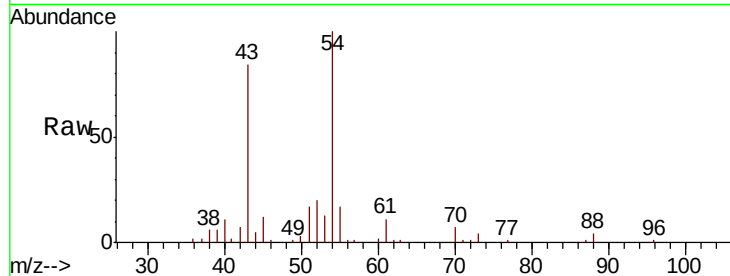
#37
Ethyl Acetate
Concen: 18.968 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	43	Resp	69809
Ion Ratio	100	Lower	Upper
43	100		
61	13.8	10.0	15.0
70	9.1	6.9	10.3

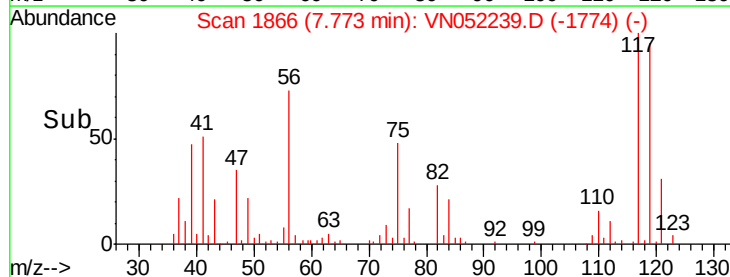
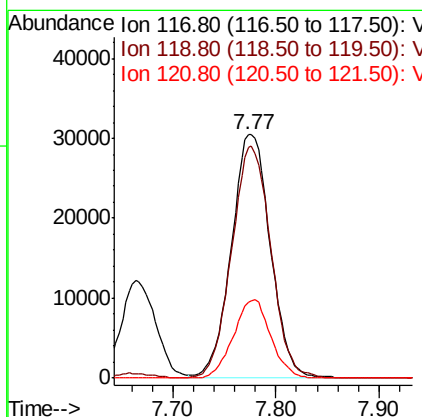
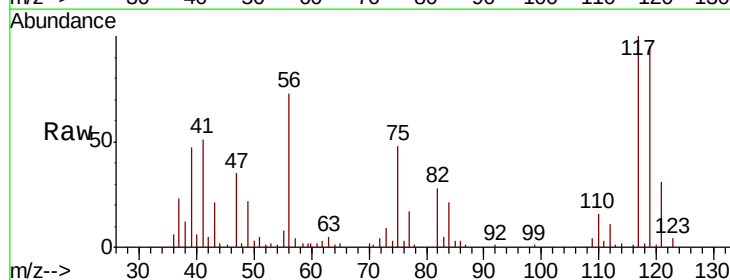
Manual Integrations
APPROVED

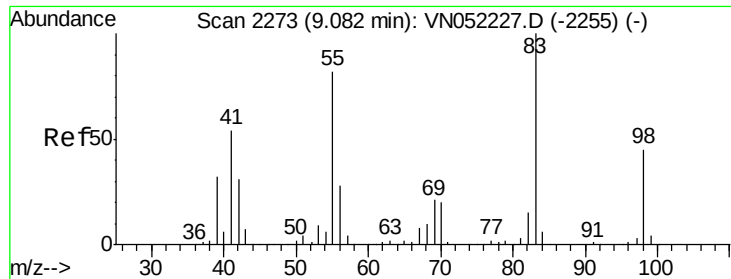
MMDadoda
11/12/2018 9:19:05 AM



#38
Carbon Tetrachloride
Concen: 18.098 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	117	Resp	80256
Ion Ratio	100	Lower	Upper
117	100		
119	94.7	75.8	113.8
121	31.0	23.4	35.2





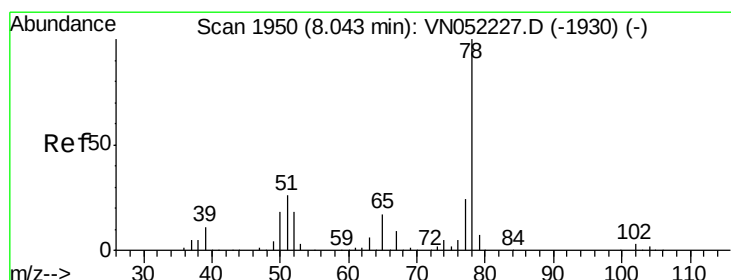
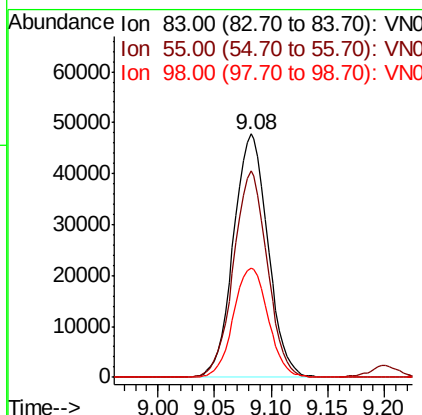
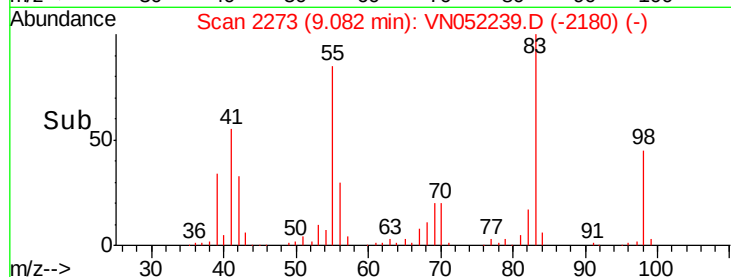
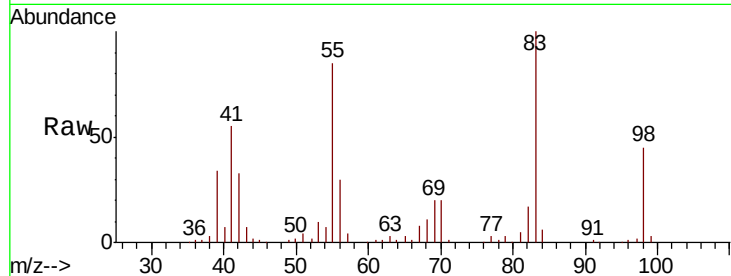
#39
Methylvlcyclohexane
Concen: 18.189 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	83	Resp	101518
Ion Ratio	100	Lower	Upper
83	100		
55	85.0	65.2	97.8
98	44.9	36.3	54.5

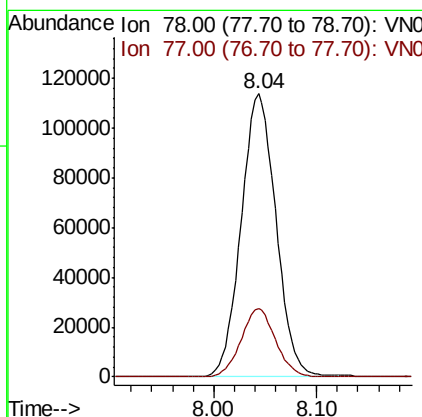
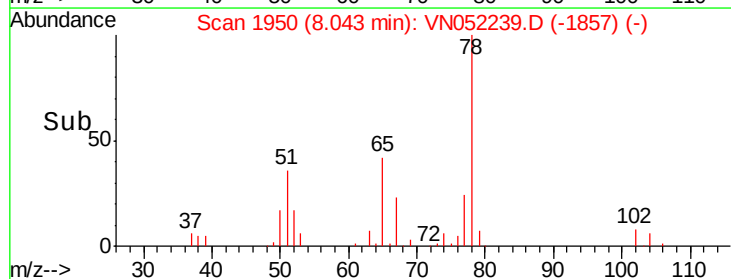
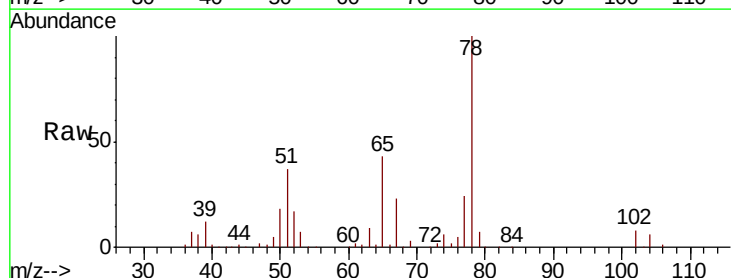
Manual Integrations
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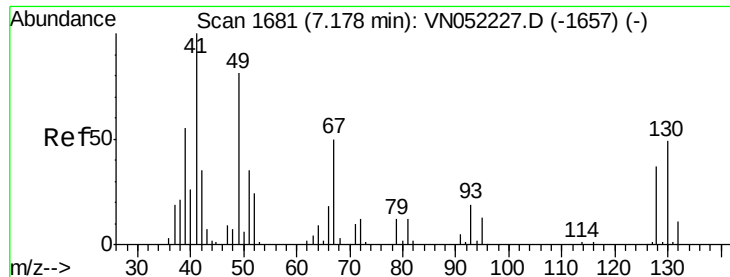
MMDadoda
11/12/2018 9:19:05 AM



#40
Benzene
Concen: 19.076 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	78	Resp	267258
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.2	28.8





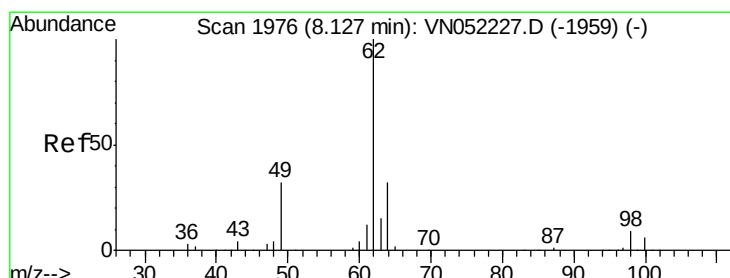
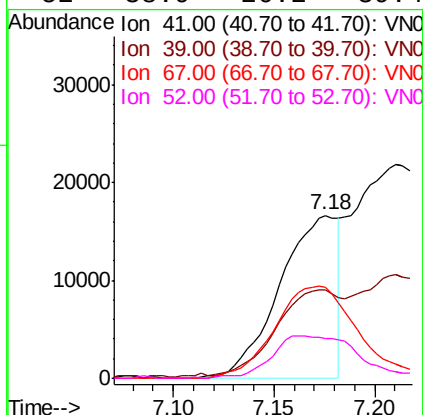
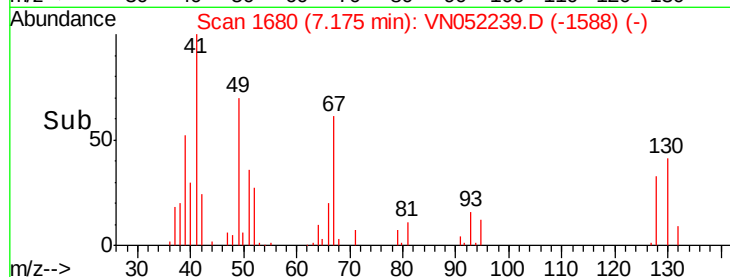
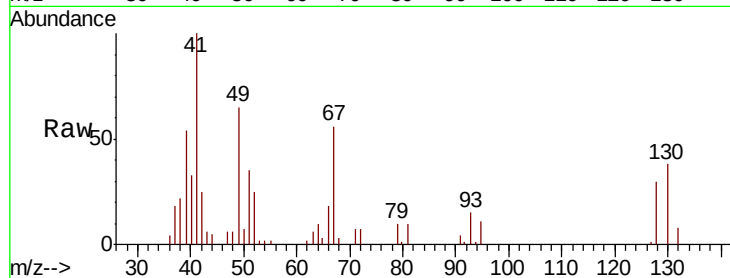
#41
Methacrylonitrile
Concen: 15.583 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion:	41	Resp:	33326
Ion	Ratio	Lower	Upper
41	100		
39	59.6	47.8	71.6
67	80.3	54.3	81.5
52	38.9	26.2	39.4

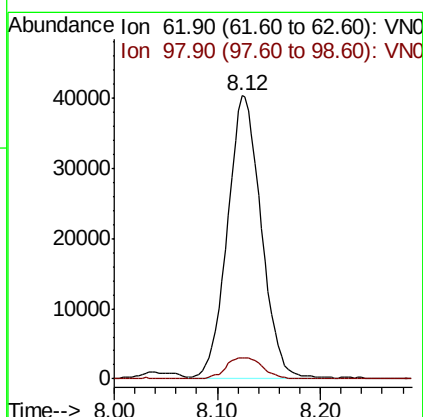
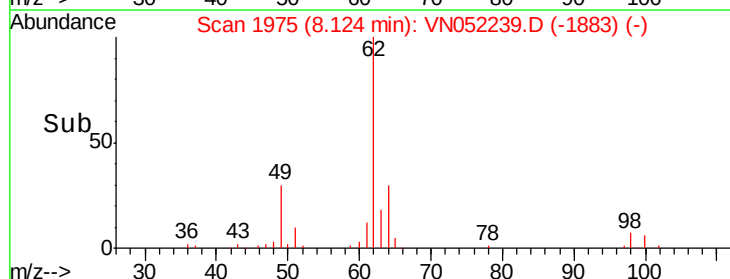
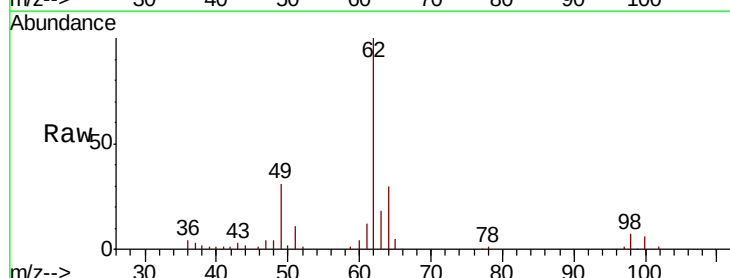
Manual Integrations
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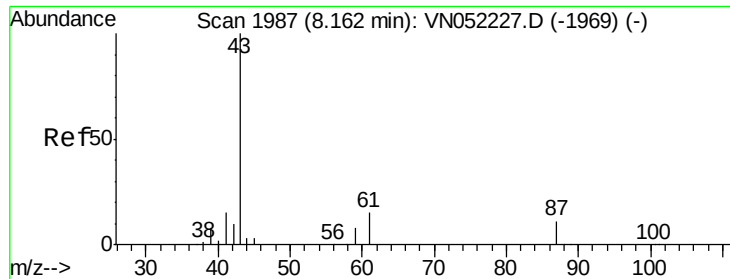
MMDadoda
11/12/2018 9:19:05 AM



#42
1,2-Dichloroethane
Concen: 18.652 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion:	62	Resp:	91683
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4





#43

Isopropyl Acetate

Concen: 19.488 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

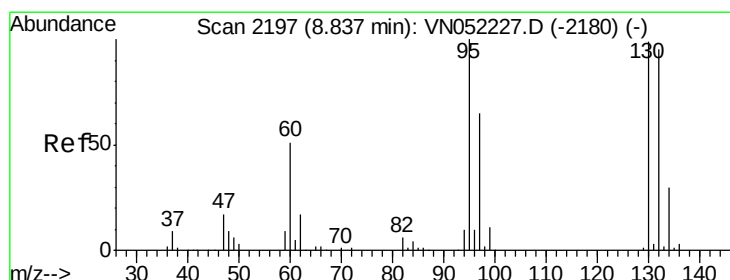
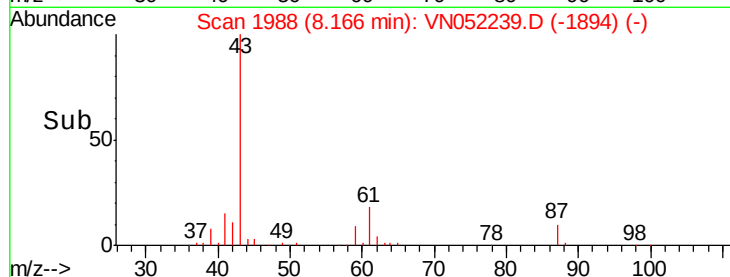
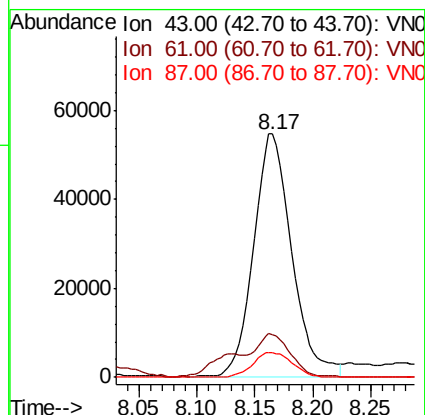
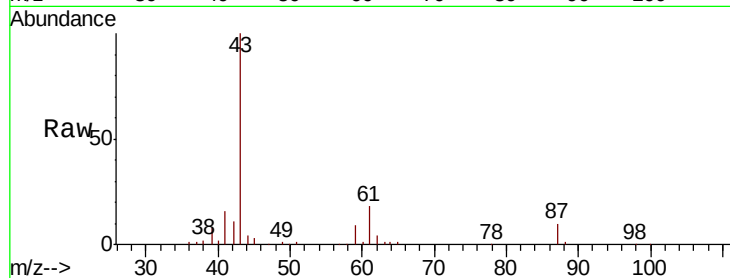
ClientSampleId :

VN1109WBSD01

Tot Ion:	43	Resp:	125017
Ion	Ratio	Lower	Upper
43	100		
61	16.4	14.2	21.4
87	10.6	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.512 ug/l

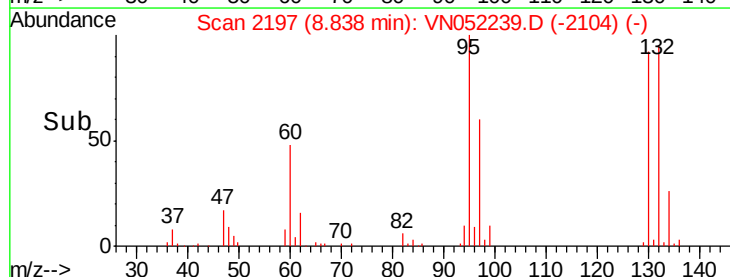
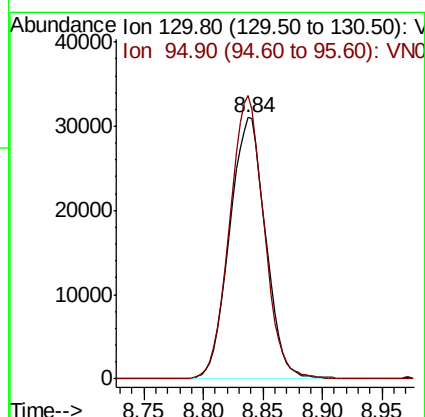
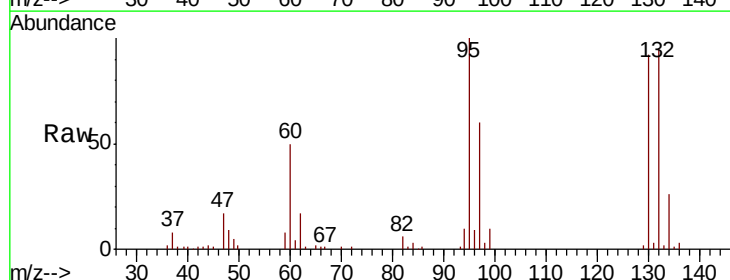
RT: 8.84 min Scan# 2197

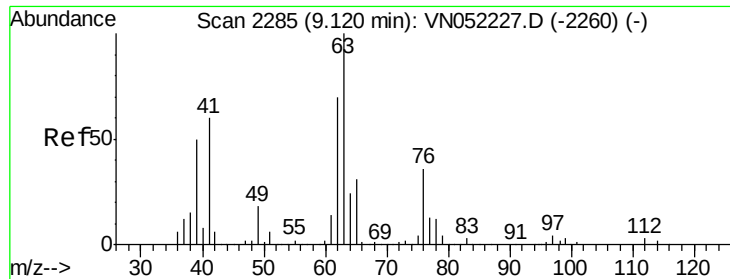
Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Tgt Ion:	130	Resp:	64992
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	201.6





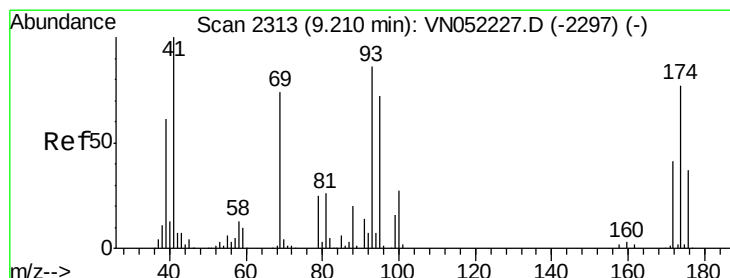
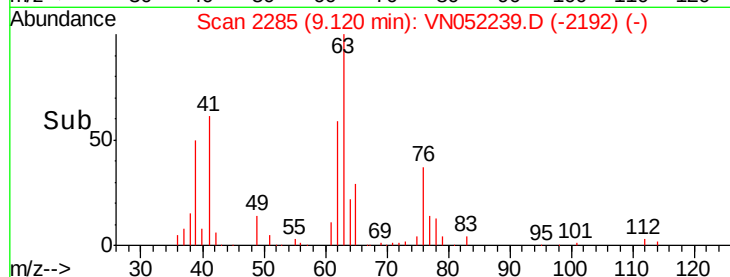
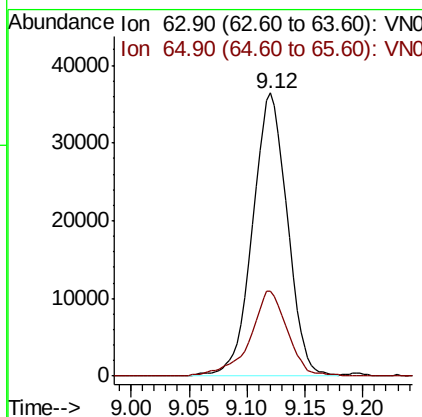
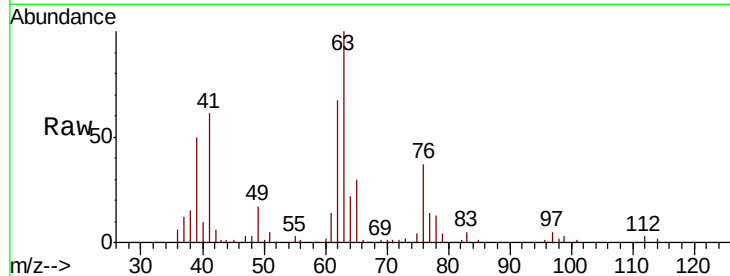
#45
 1,2-Dichloropropane
 Concen: 19.438 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion: 63 Resp: 76079
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2

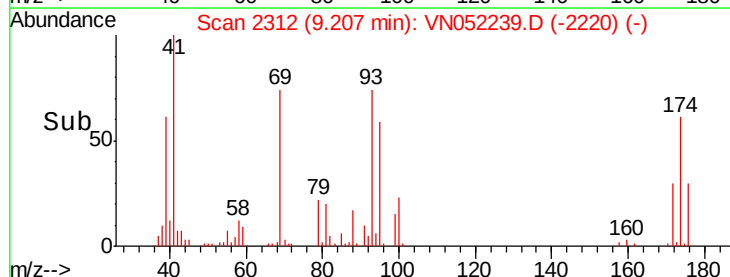
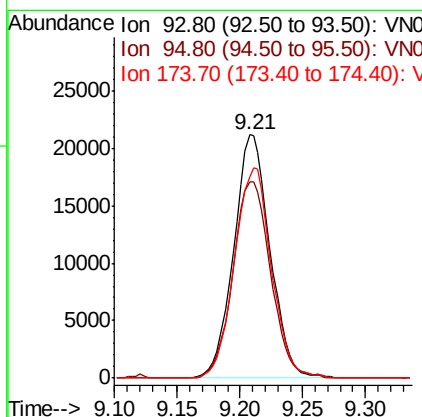
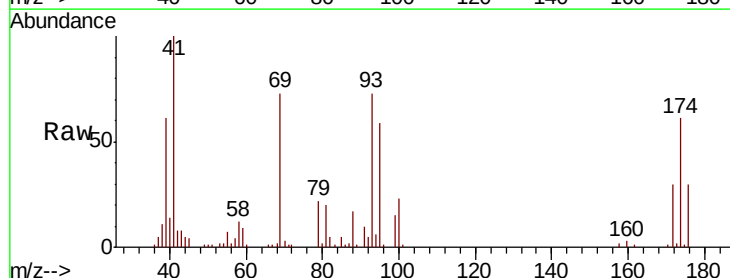
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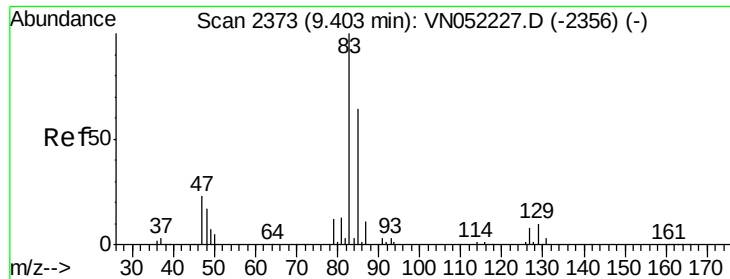
MMDadoda
 11/12/2018 9:19:05 AM



#46
 Dibromomethane
 Concen: 18.891 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 93 Resp: 42471
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.0 100.4
 174 88.4 72.1 108.1





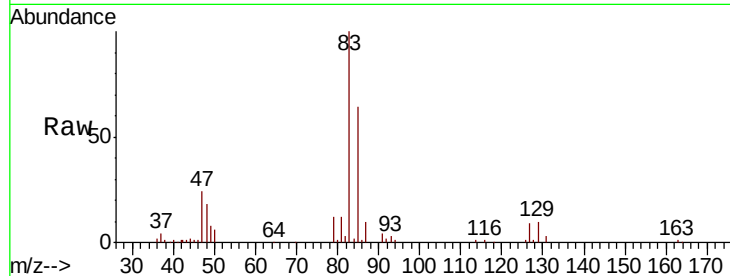
#47
Bromodichloromethane
Concen: 17.787 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	83	Resp	82851
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	8.5	6.2	9.4

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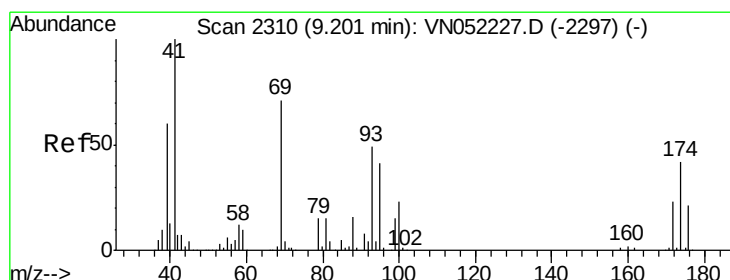
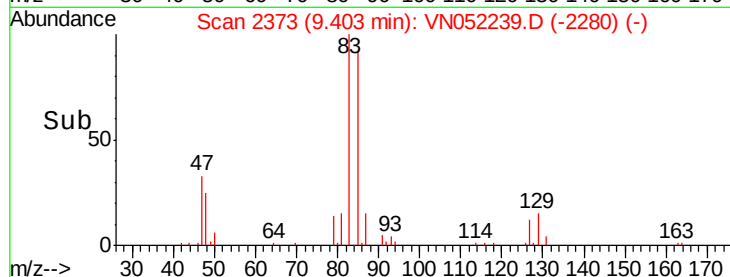
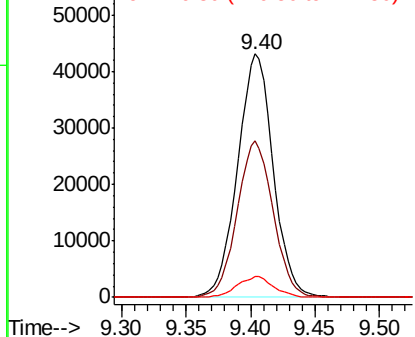


Abundance

Ion 82.90 (82.60 to 83.60): VN052227.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052227.D (-2356) (-)



#48
Methyl methacrylate
Concen: 18.861 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

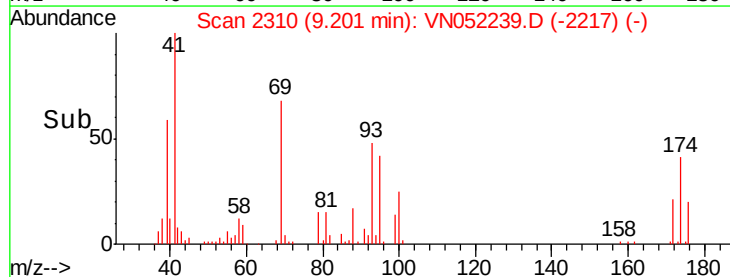
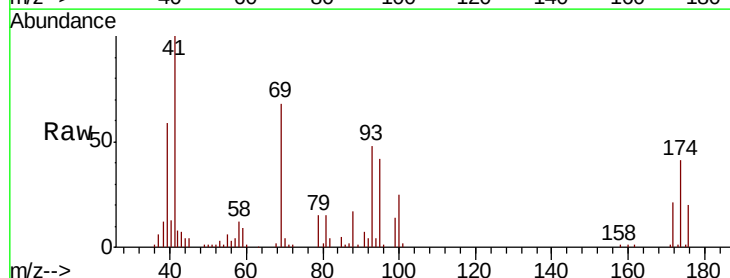
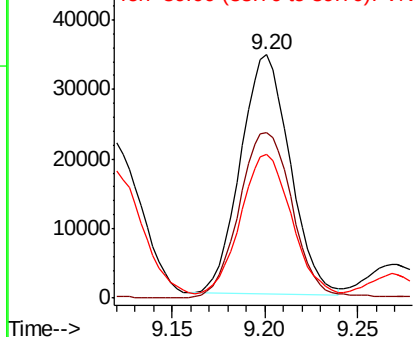
Tgt Ion	41	Resp	63753
Ion Ratio	100	Lower	Upper
41	100		
69	74.9	58.8	88.2
39	61.9	50.7	76.1

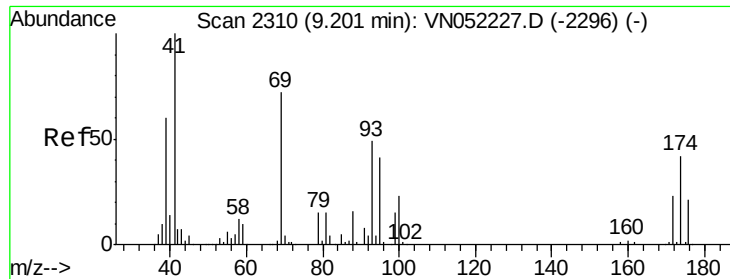
Abundance

Ion 41.00 (40.70 to 41.70): VN052227.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2297) (-)





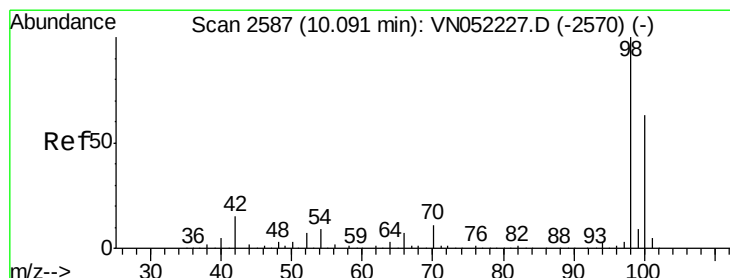
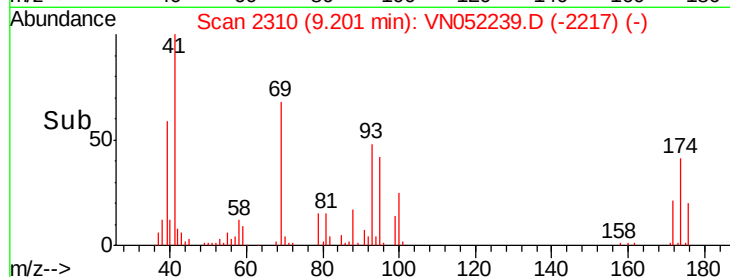
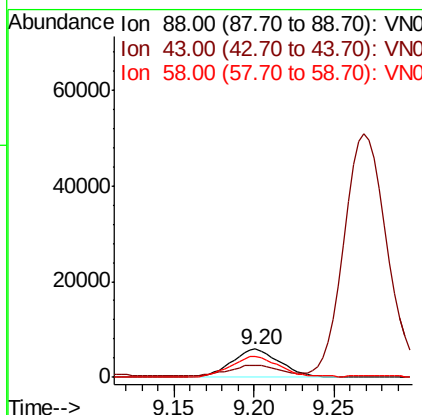
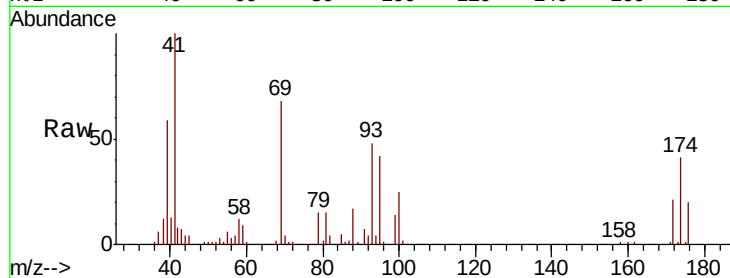
#49
1,4-Dioxane
Concen: 444.905 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	88	Resp	12089
Ion Ratio	100	Lower	Upper
88	100		
43	40.5	32.5	48.7
58	73.6	58.2	87.4

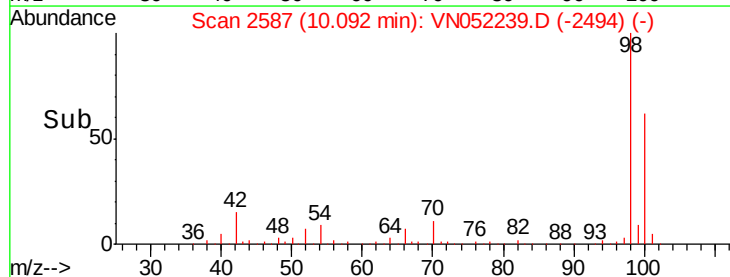
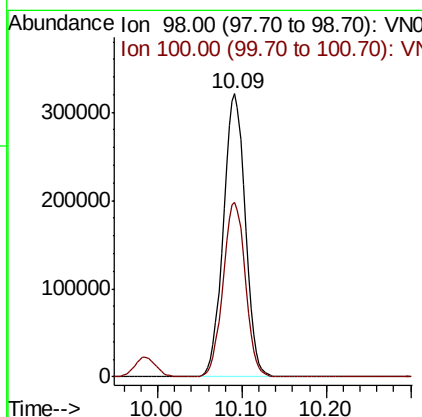
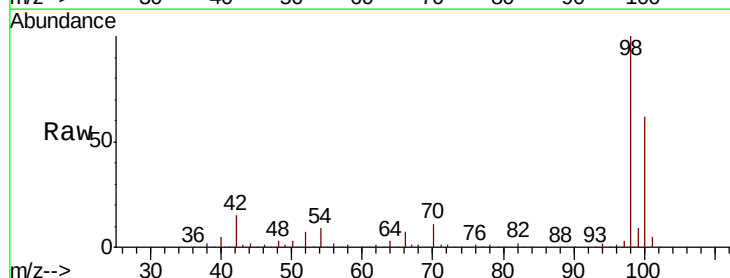
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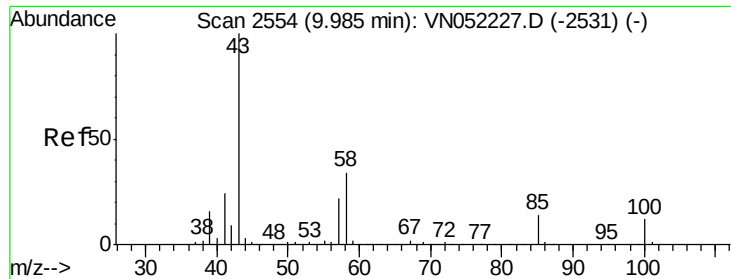
MMDadoda
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#50
Toluene-d8
Concen: 444.905 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	98	Resp	578203
Ion Ratio	100	Lower	Upper
98	100		
100	62.5	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 98.291 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 43 Resp: 348222

Ion Ratio Lower Upper

43 100

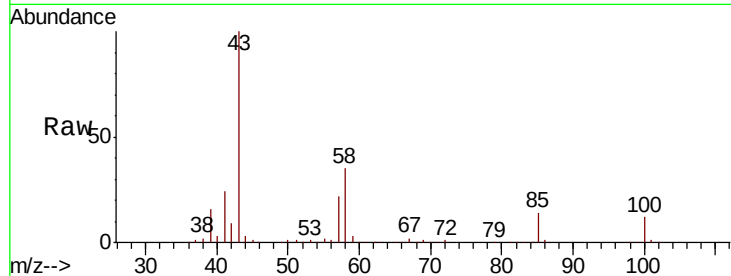
58 34.8 27.4 41.0

Manual Integrations

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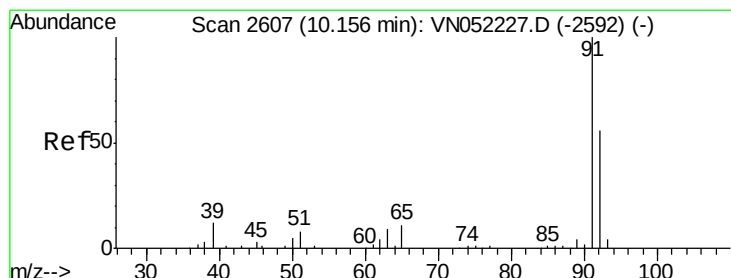
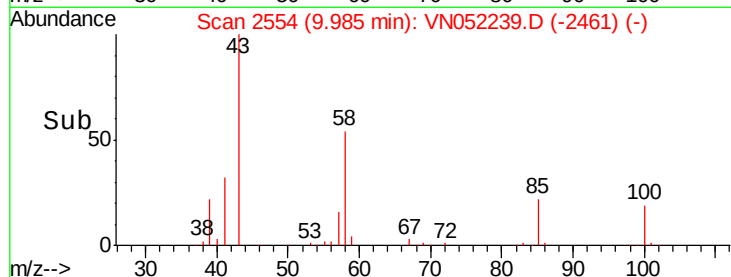
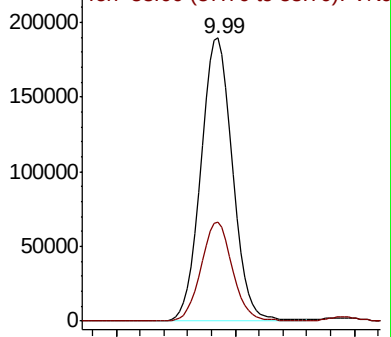
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.176 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052239.D

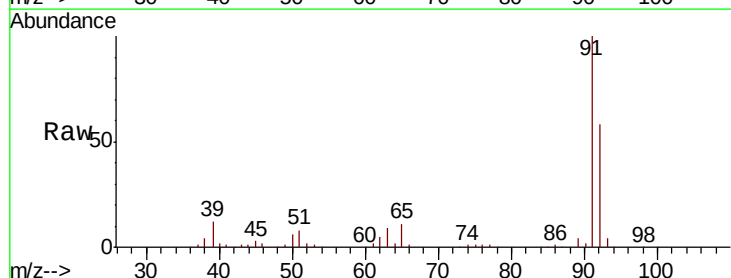
Acq: 9 Nov 2018 20:42

Tgt Ion: 92 Resp: 162066

Ion Ratio Lower Upper

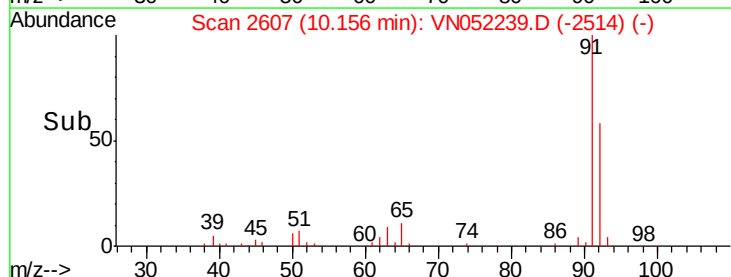
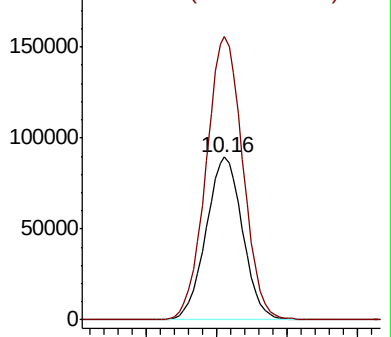
92 100

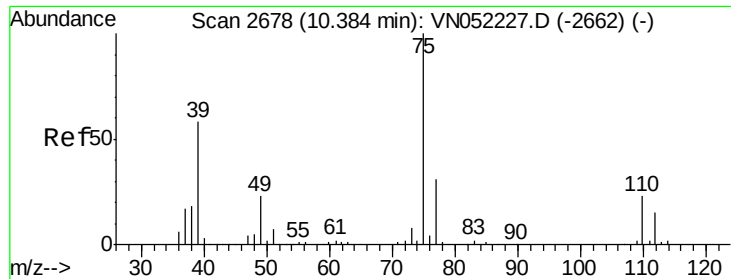
91 175.4 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.057 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 75 Resp: 83000

Ion Ratio Lower Upper

75 100

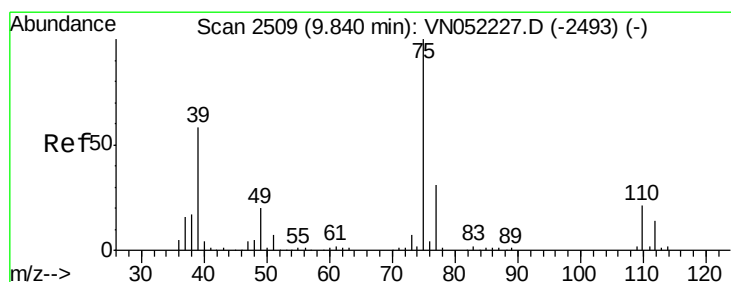
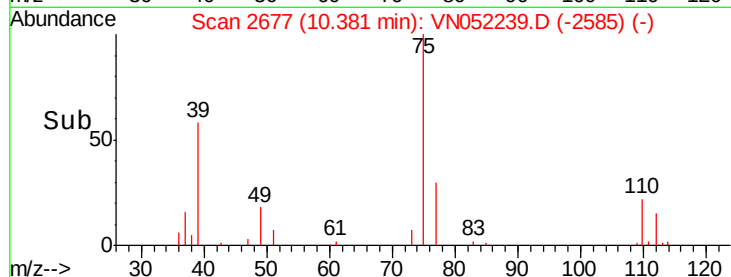
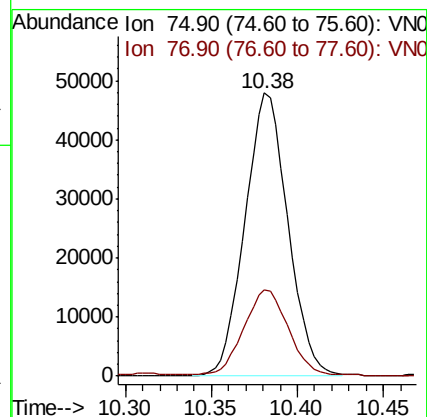
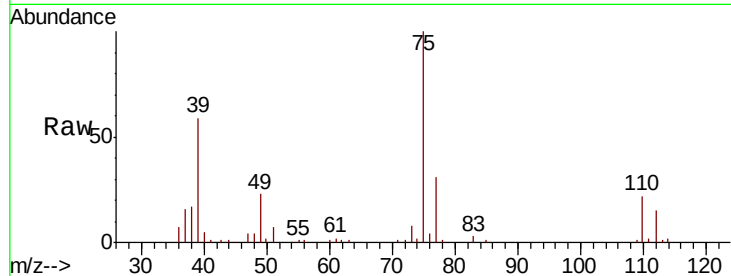
77 30.1 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.107 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

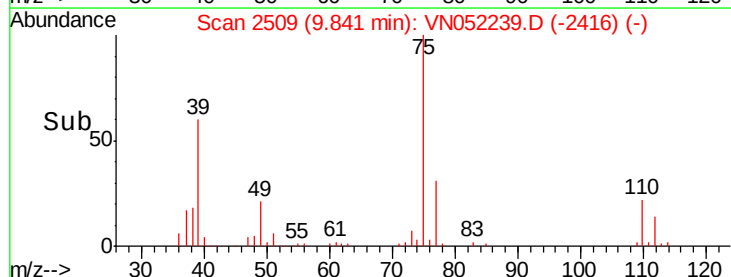
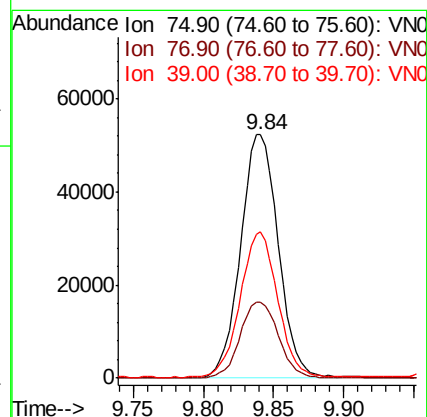
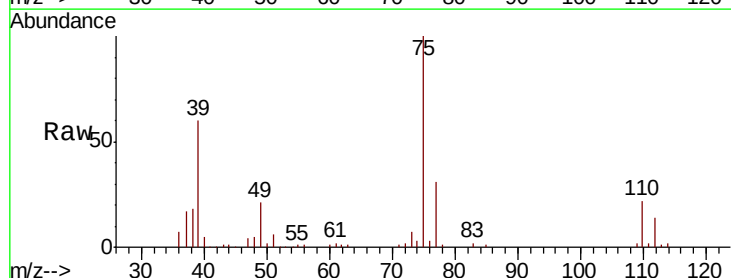
Tgt Ion: 75 Resp: 98250

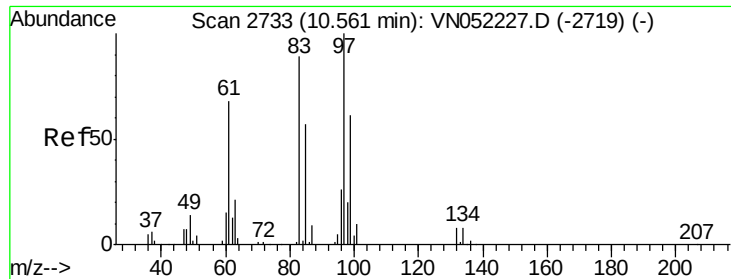
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 59.5 46.6 70.0





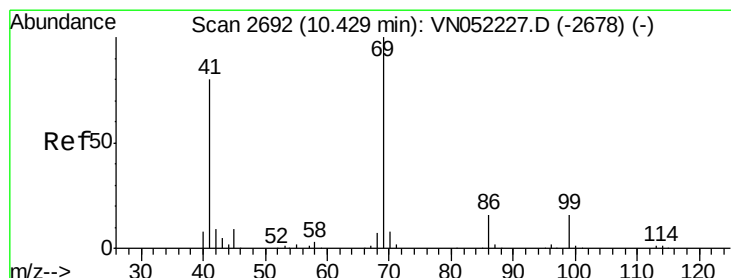
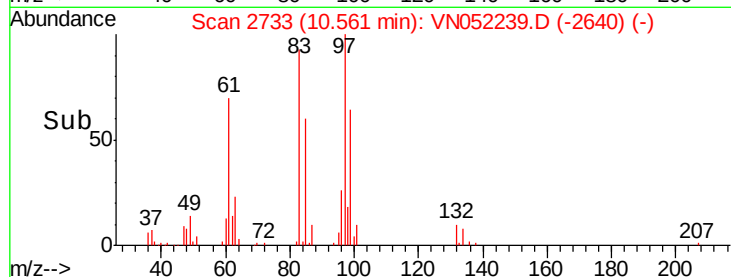
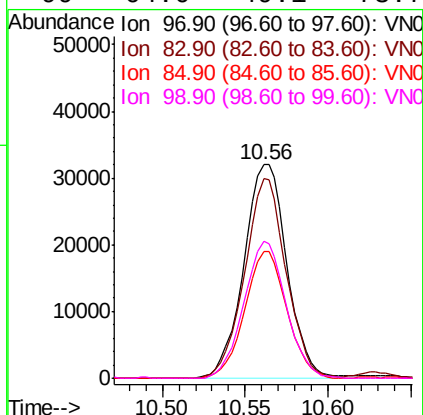
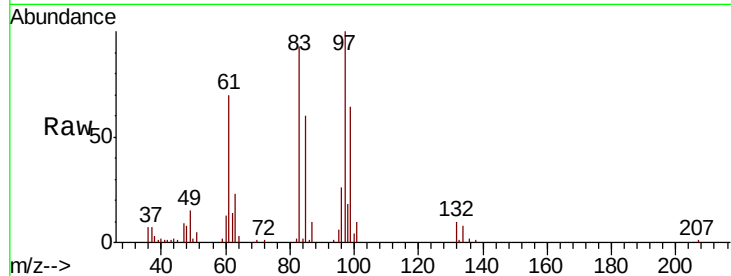
#55
 1,1,2-Trichloroethane
 Concen: 18.961 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion:	97	Resp:	57920
Ion	Ratio	Lower	Upper
97	100		
83	93.3	71.2	106.8
85	59.5	45.6	68.4
99	64.0	49.1	73.7

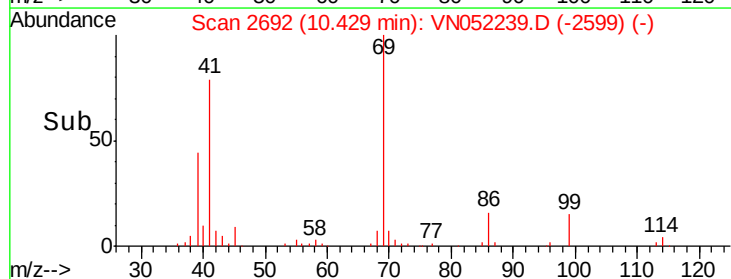
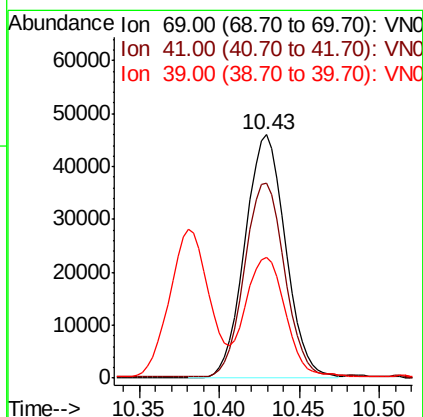
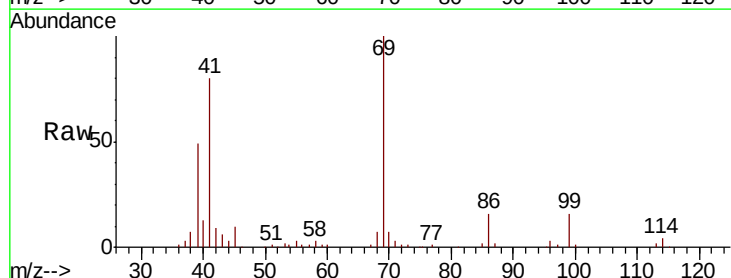
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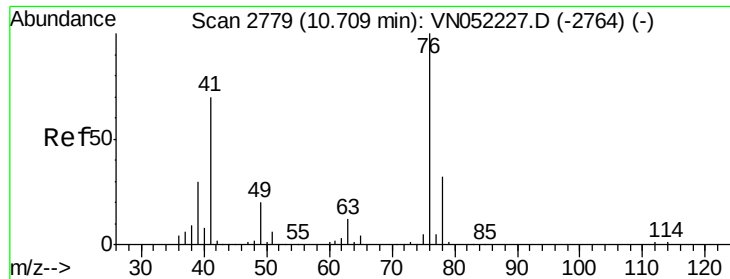
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#56
 Ethyl methacrylate
 Concen: 19.327 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion:	69	Resp:	79791
Ion	Ratio	Lower	Upper
69	100		
41	78.5	64.0	96.0
39	47.6	37.8	56.8





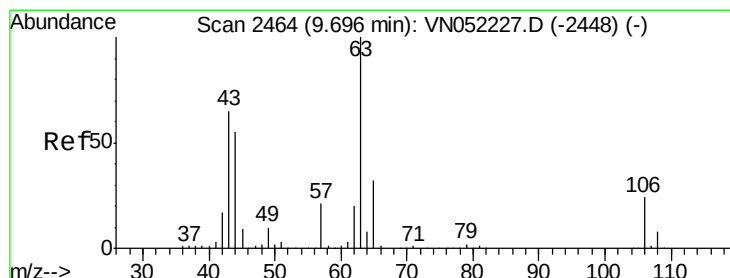
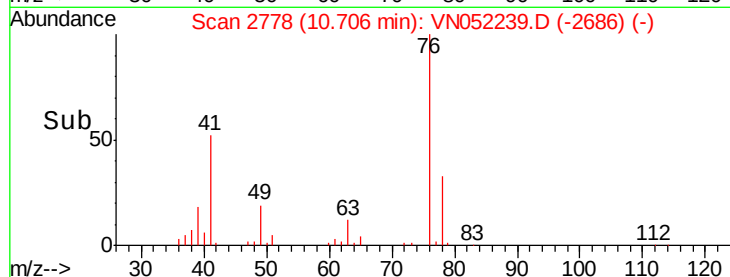
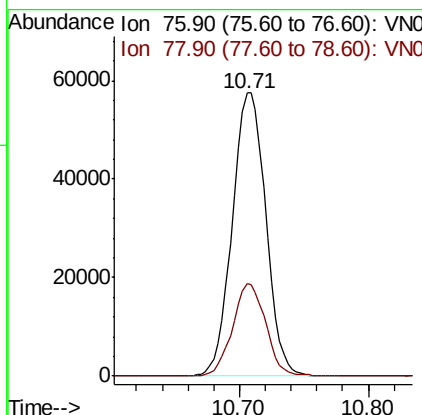
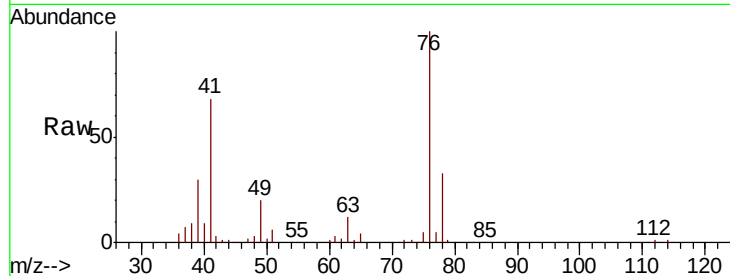
#57
 1,3-Dichloropropane
 Concen: 19.022 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion: 76 Resp: 104016
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

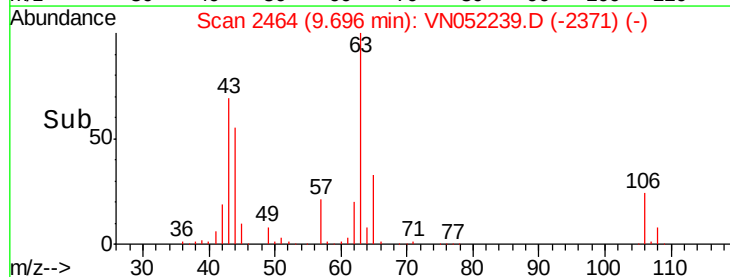
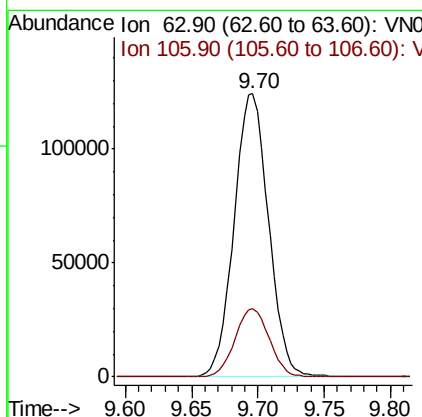
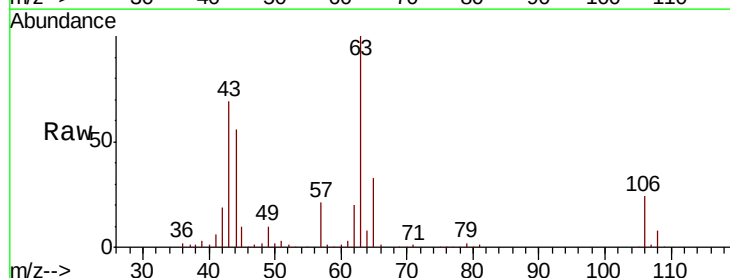
Manual Integrations
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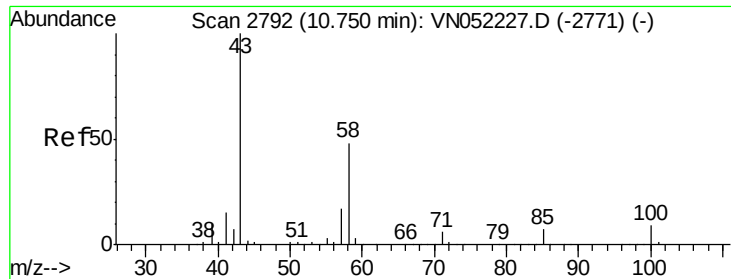
MMDadoda
 11/12/2018 9:19:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.270 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 63 Resp: 224642
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.5 29.3





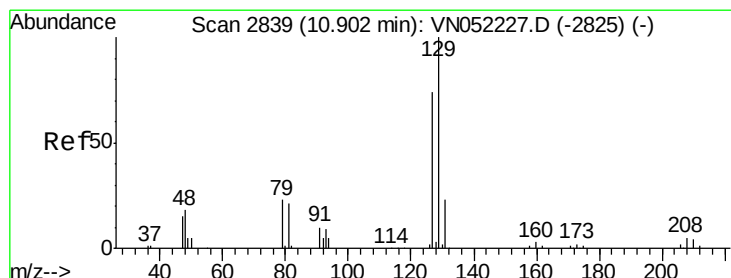
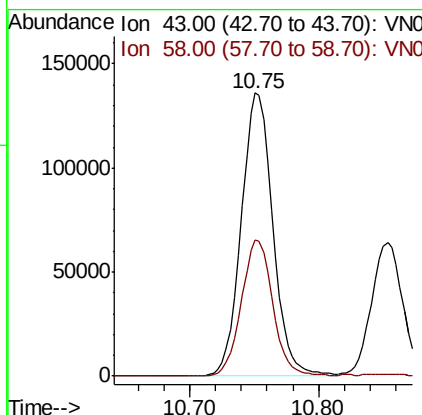
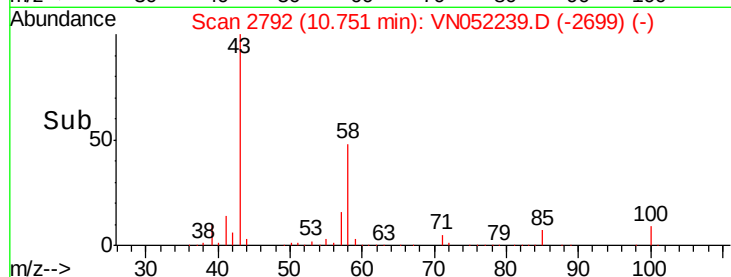
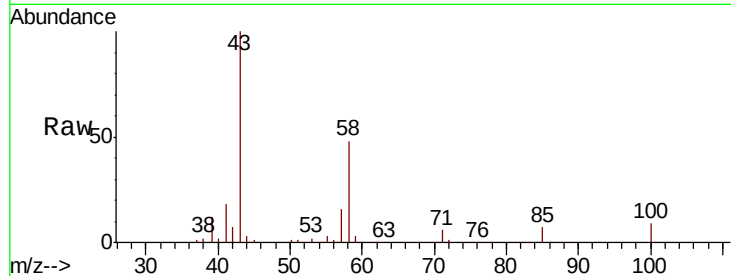
#59
2-Hexanone
Concen: 92.630 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 43 Resp: 230374
Ion Ratio Lower Upper
43 100
58 48.1 24.1 72.3

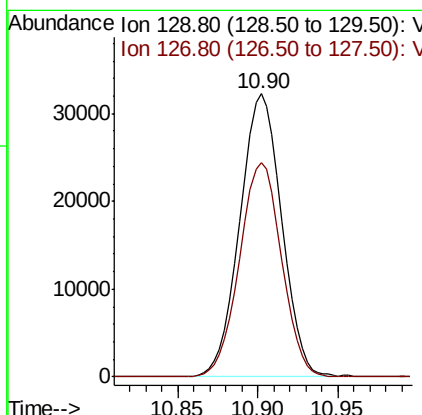
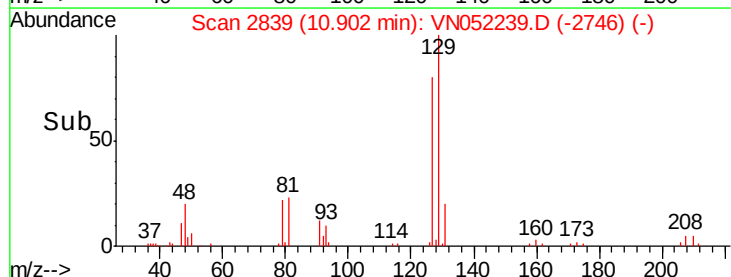
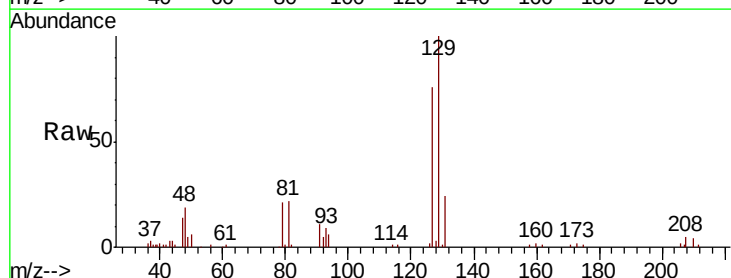
Manual Integrations
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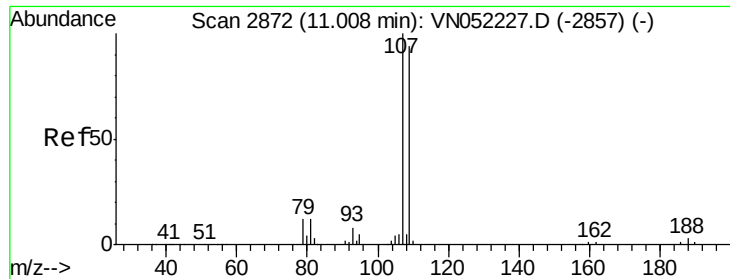
MMDadoda
11/12/2018 9:19:05 AM



#60
Dibromochloromethane
Concen: 18.566 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 129 Resp: 57526
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1





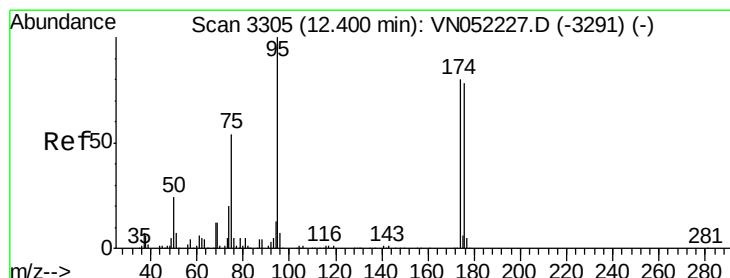
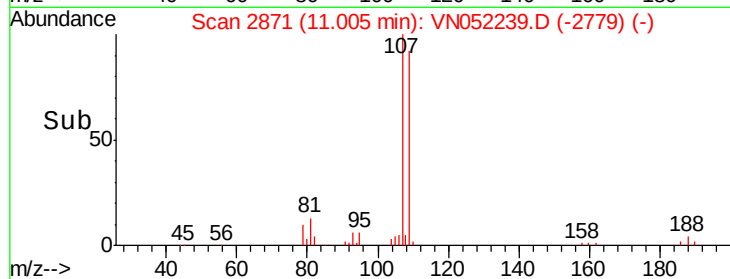
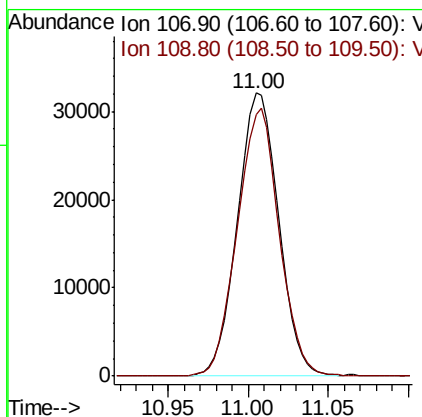
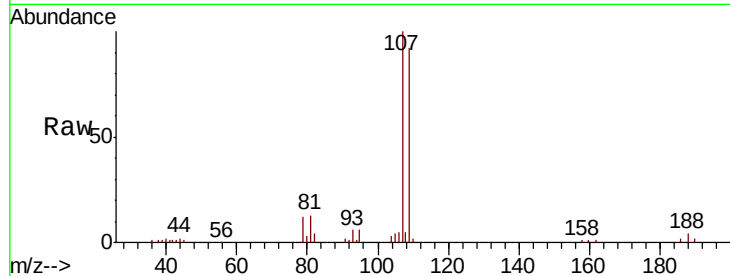
#61
 1,2-Dibromoethane
 Concen: 18.807 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.8	113.6

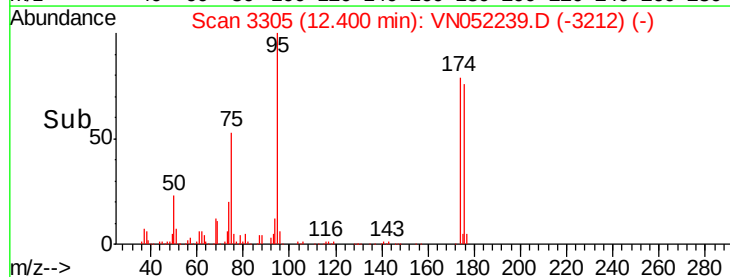
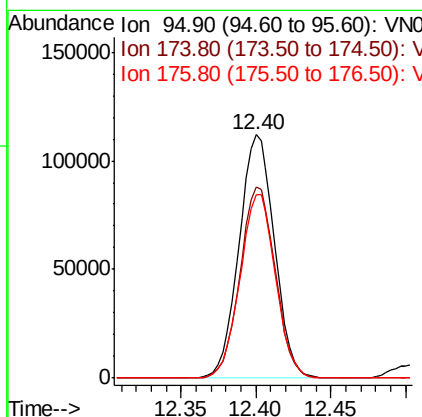
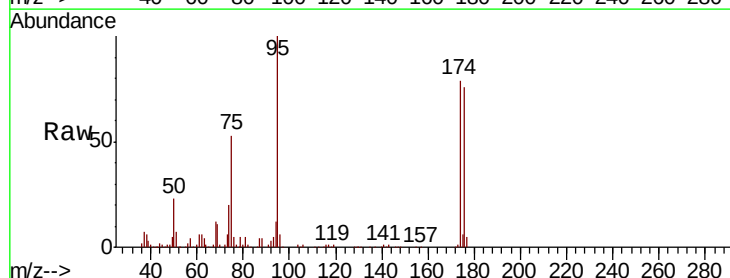
Manual Integrations
 APPROVED

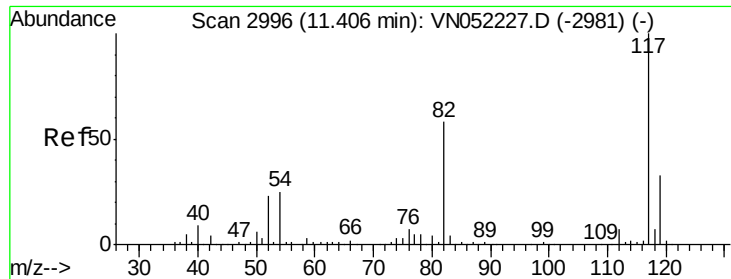
MMDadoda
 11/12/2018 9:19:05 AM



#62
 4-Bromofluorobenzene
 Concen: 18.807 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	159.4
176	75.8	0.0	157.8





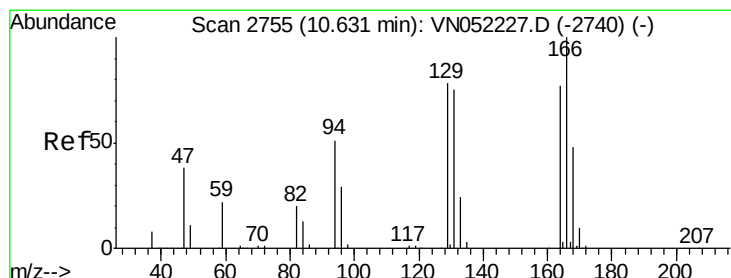
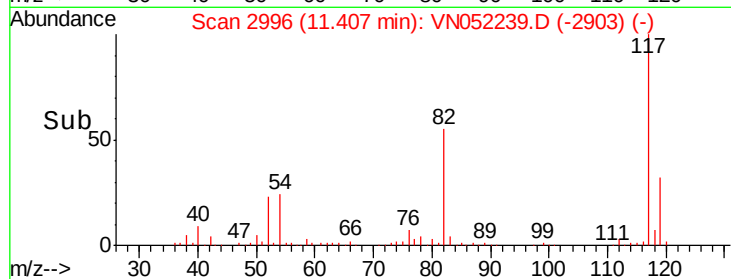
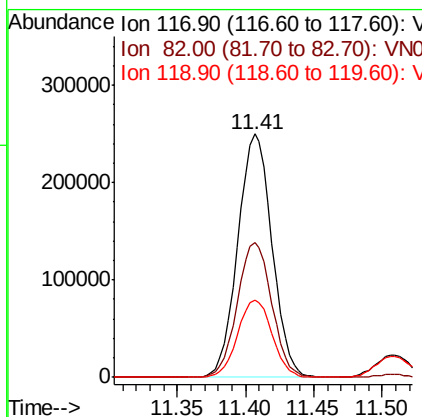
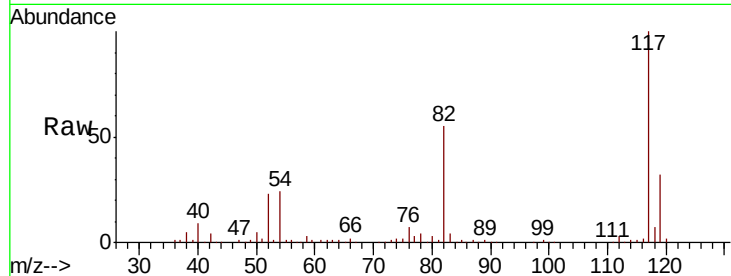
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.2	69.2
119	31.9	26.2	39.4

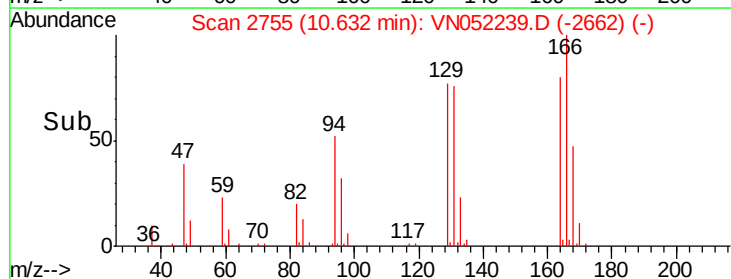
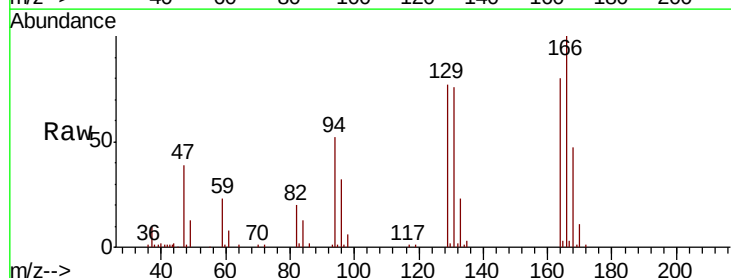
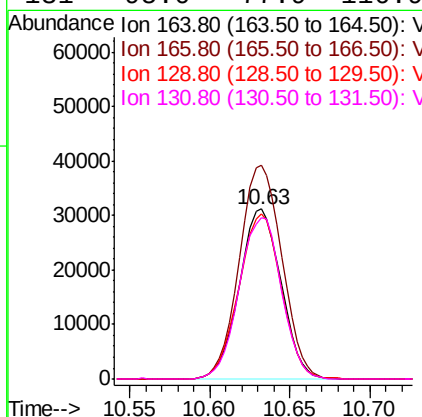
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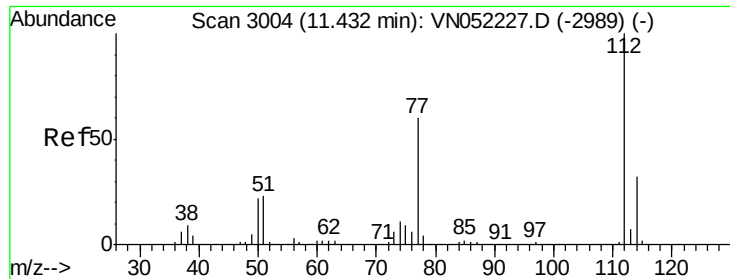
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#64
Tetrachloroethene
Concen: 18.259 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.6	155.4
129	97.0	81.0	121.6
131	95.0	77.9	116.9





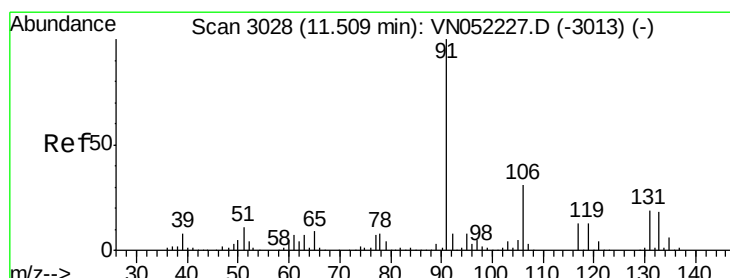
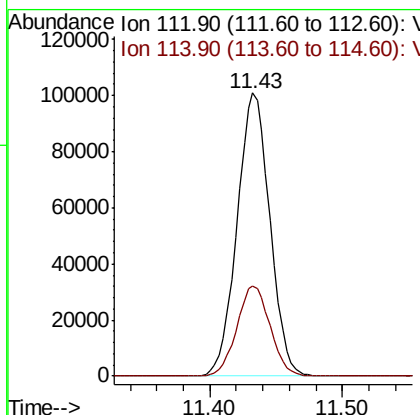
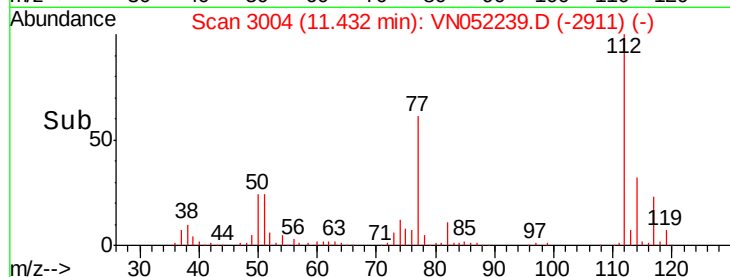
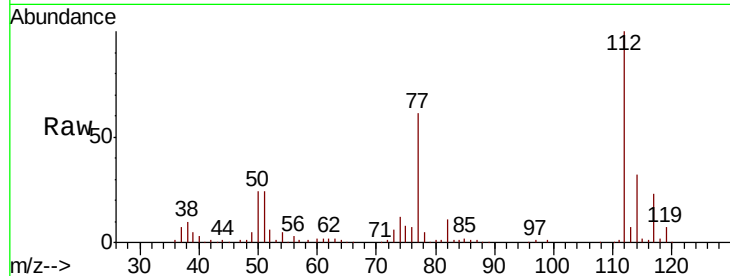
#65
Chlorobenzene
Concen: 18.786 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion:112 Resp: 173097
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

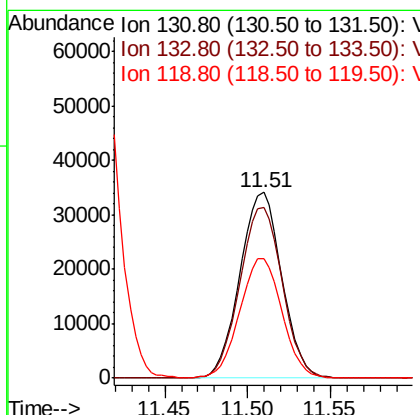
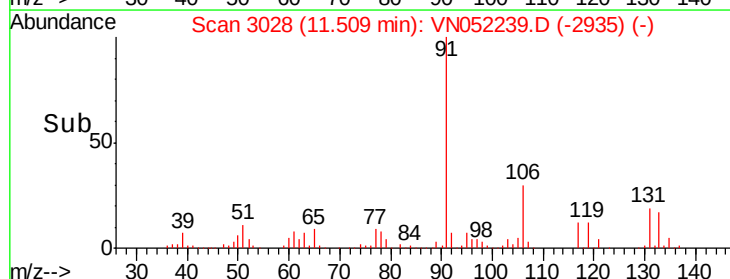
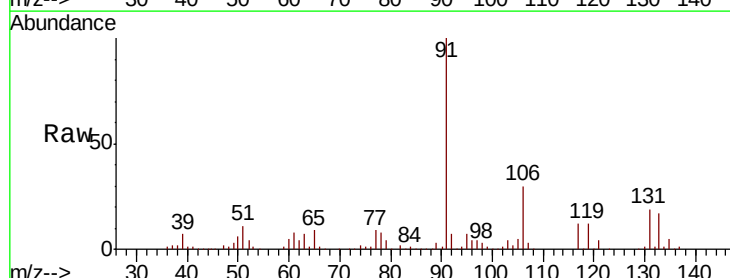
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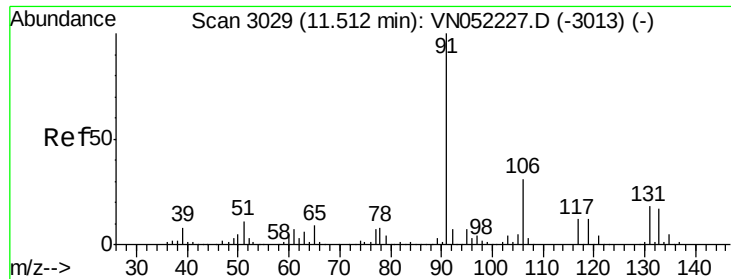
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.205 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion:131 Resp: 59942
Ion Ratio Lower Upper
131 100
133 93.5 48.3 144.9
119 64.9 34.6 103.9





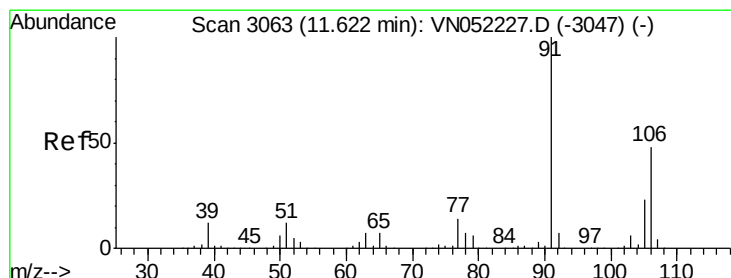
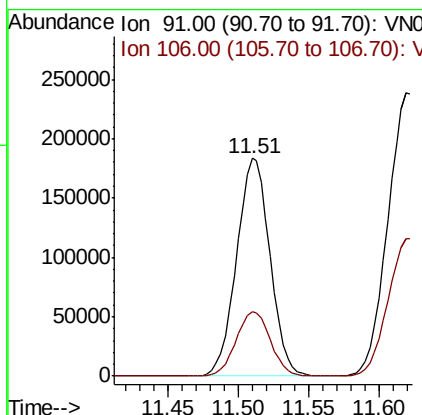
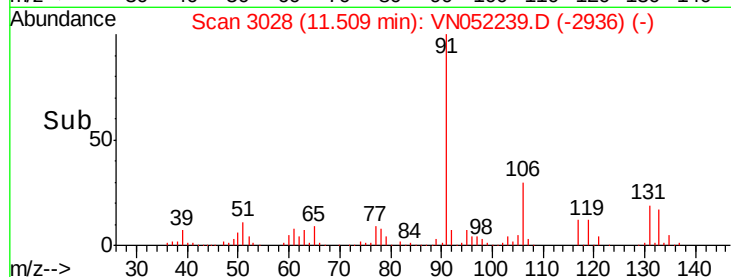
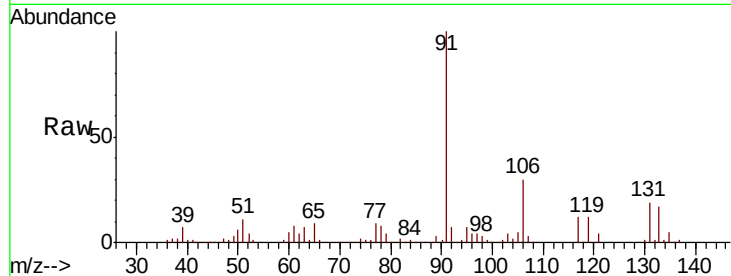
#67
Ethyl Benzene
Concen: 18.816 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 91 Resp: 304962
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1

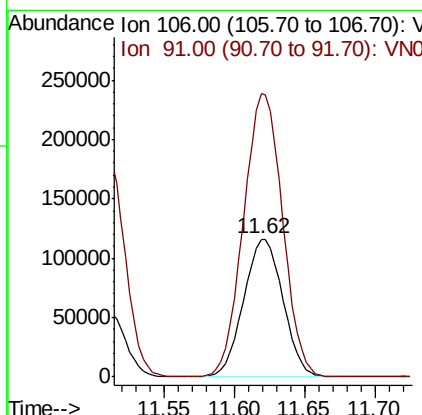
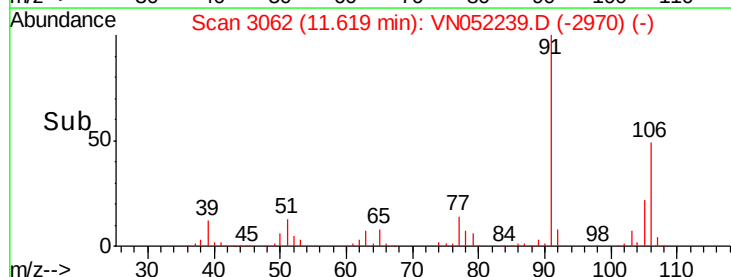
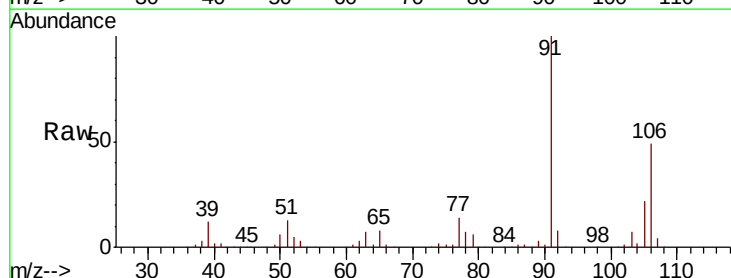
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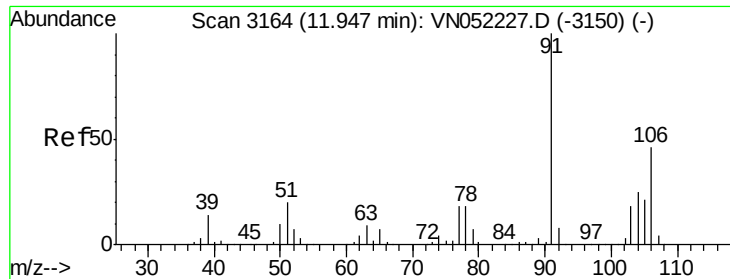
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#68
m/p-Xylenes
Concen: 37.568 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 106 Resp: 226753
Ion Ratio Lower Upper
106 100
91 204.3 165.7 248.5





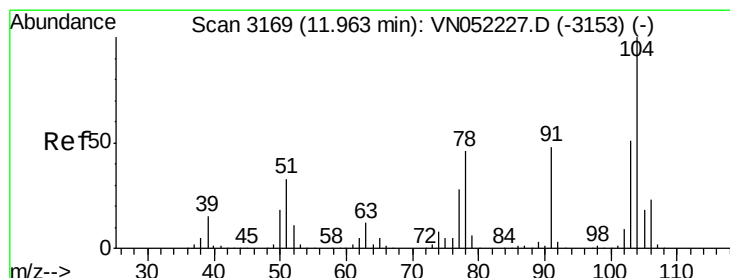
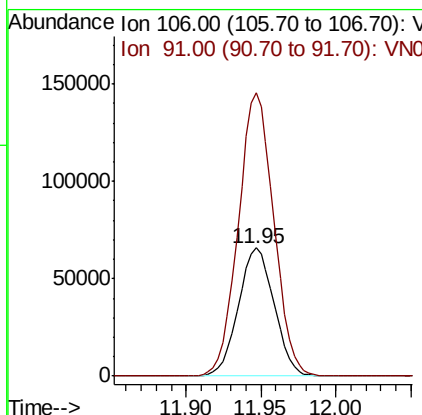
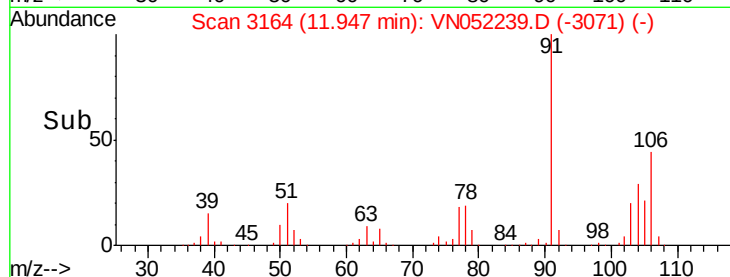
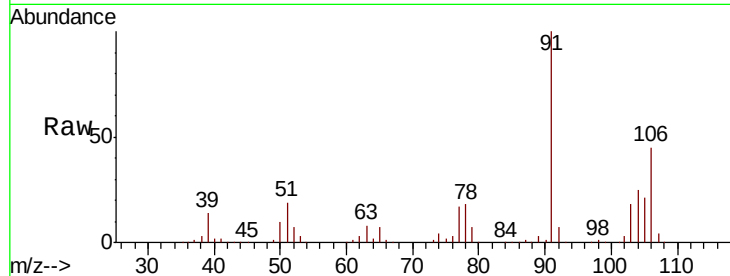
#69
o-Xylene
Concen: 18.995 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion:106 Resp: 109538
Ion Ratio Lower Upper
106 100
91 218.6 108.5 325.5

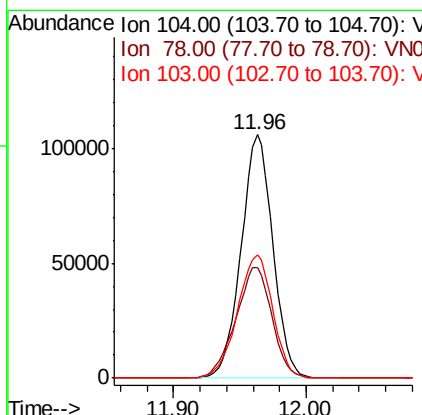
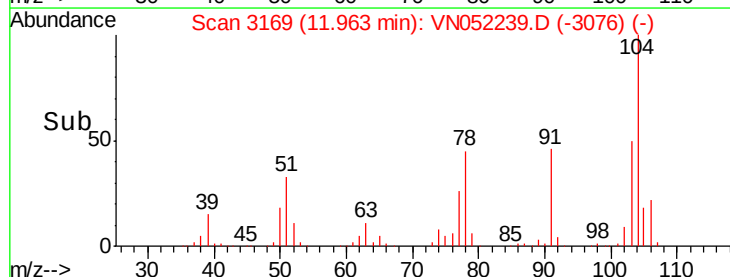
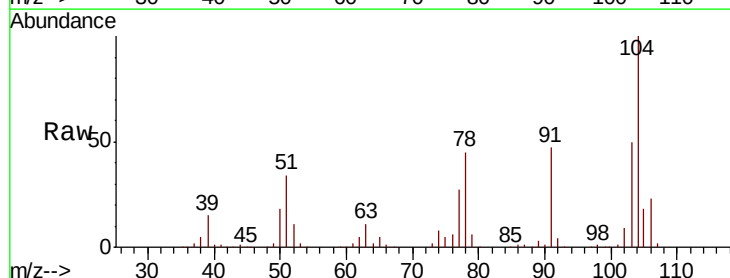
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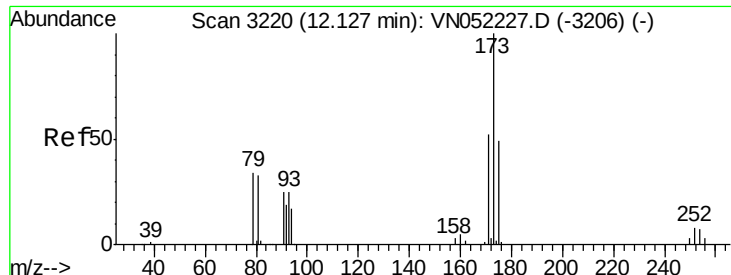
MMDadoda
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#70
Styrene
Concen: 18.897 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion:104 Resp: 176050
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.6
103 56.3 44.9 67.3





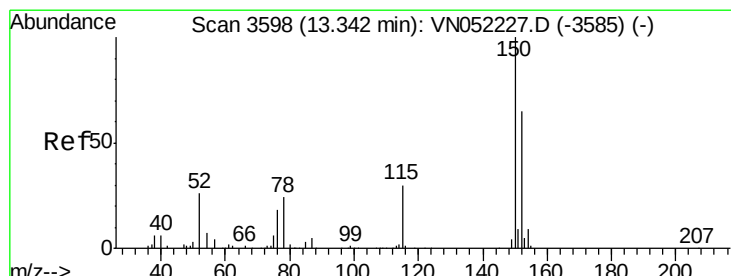
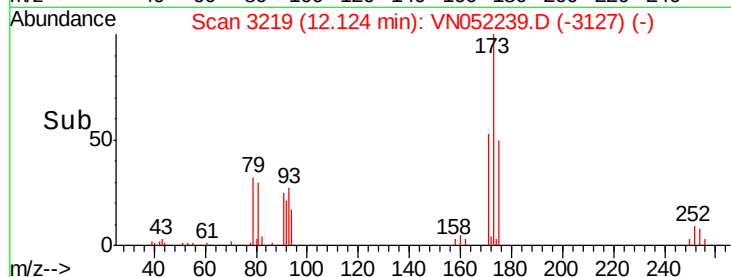
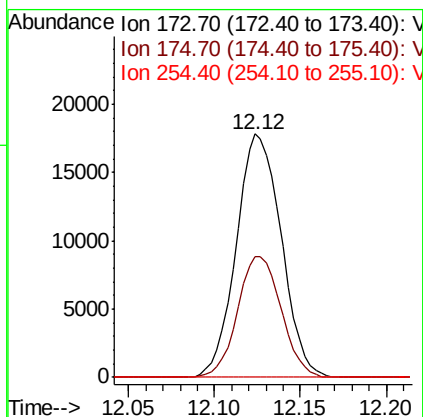
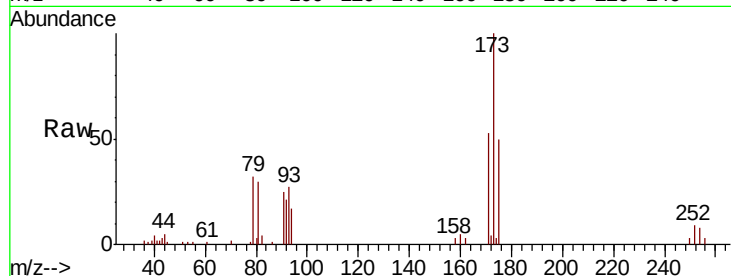
#71
Bromoform
Concen: 17.400 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.5	73.5
254	0.0	0.0	0.0

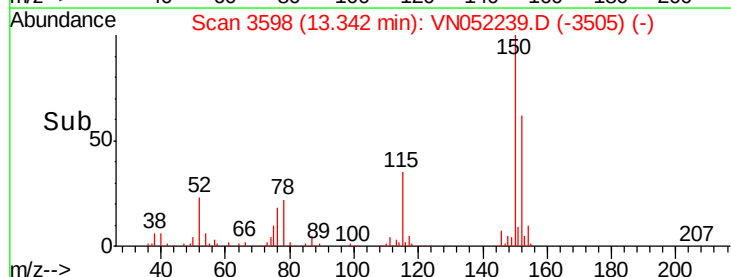
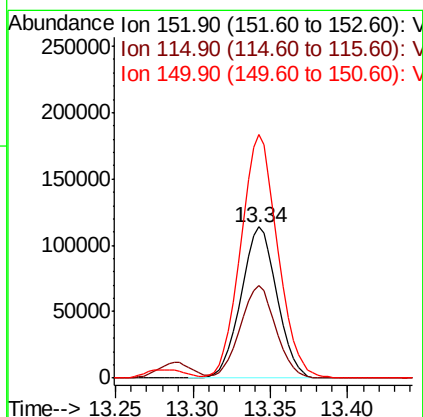
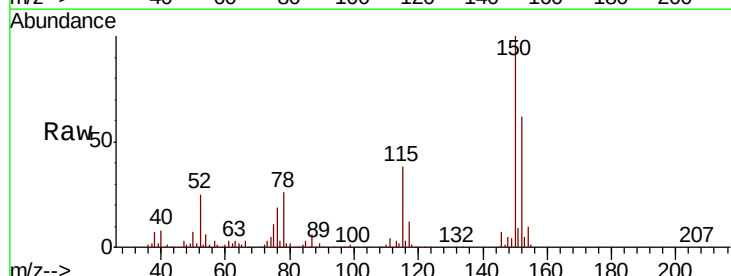
Manual Integrations
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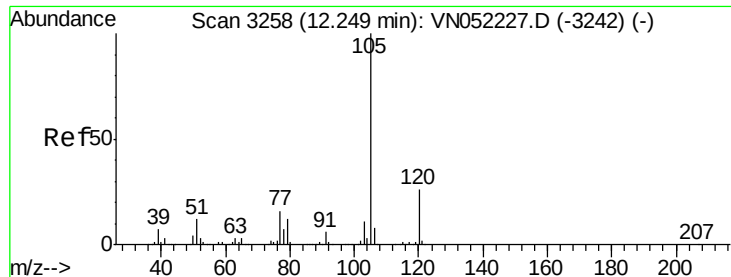
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.8	89.5
150	165.5	0.0	350.2





#73

Isopropylbenzene

Concen: 19.299 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 105 Resp: 290102

Ion Ratio Lower Upper

105 100

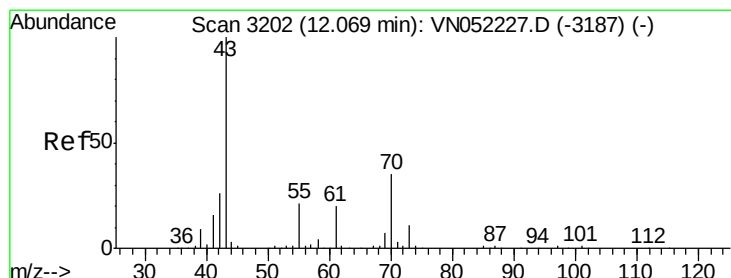
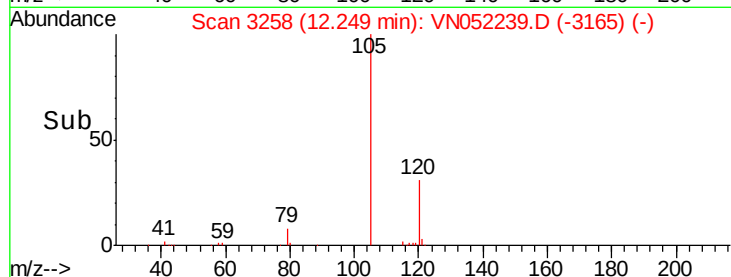
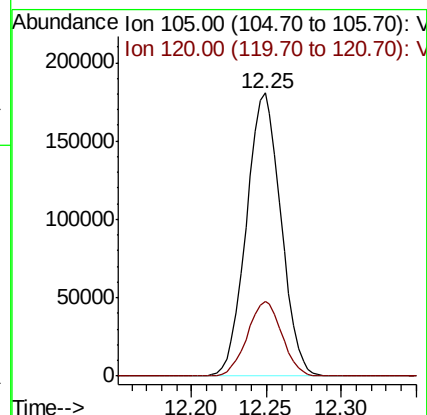
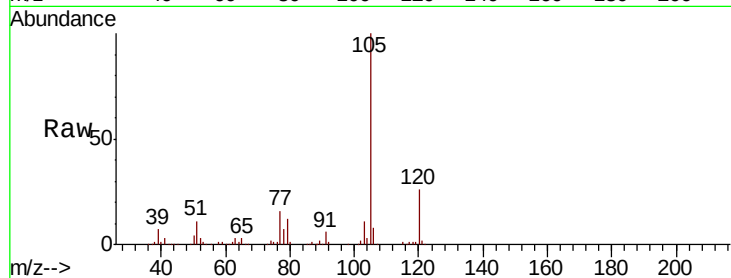
120 26.4 13.1 39.1

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#74

N-ethyl acetate

Concen: 19.752 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Tgt Ion: 43 Resp: 107792

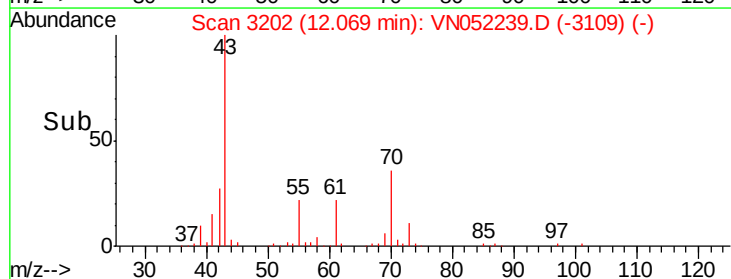
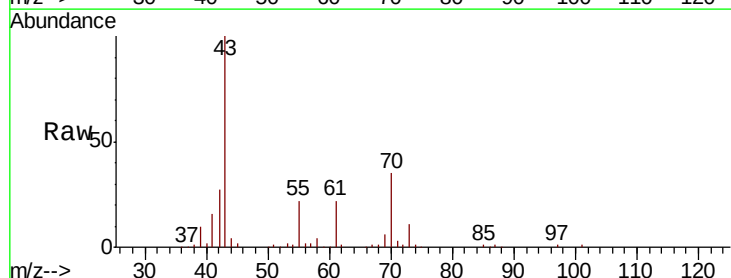
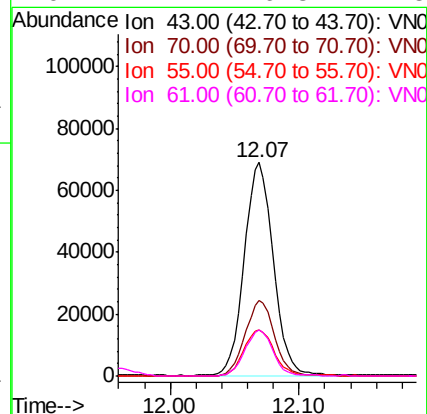
Ion Ratio Lower Upper

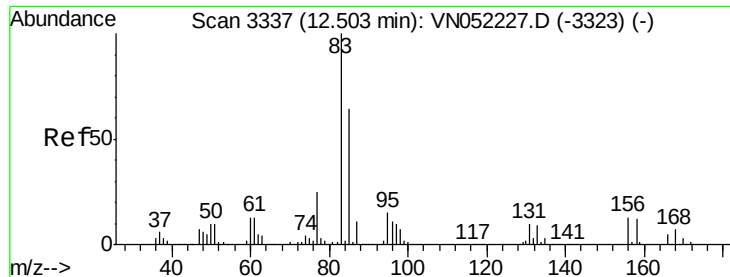
43 100

70 36.0 28.2 42.2

55 22.7 17.4 26.2

61 21.2 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.614 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 83 Resp: 72283

Ion Ratio Lower Upper

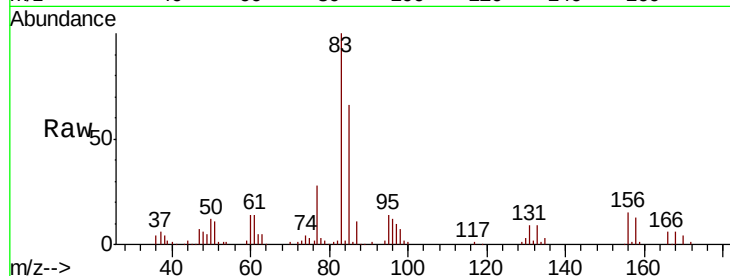
83 100

131 9.6 5.1 15.2

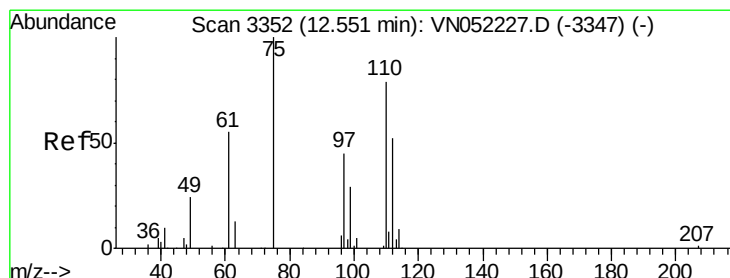
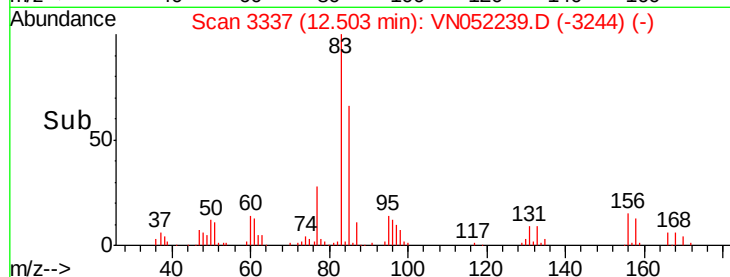
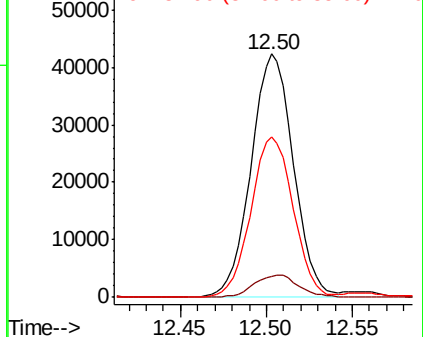
85 65.7 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.839 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052239.D

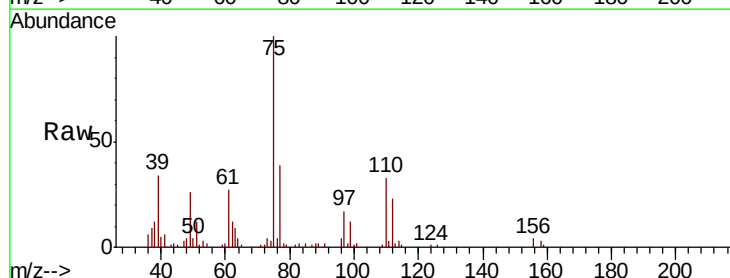
Acq: 9 Nov 2018 20:42

Tgt Ion: 75 Resp: 67800

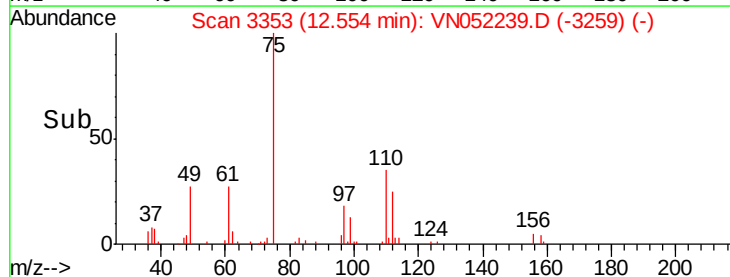
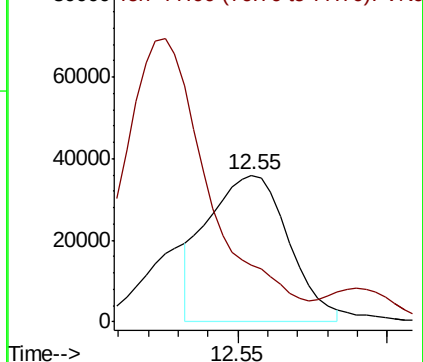
Ion Ratio Lower Upper

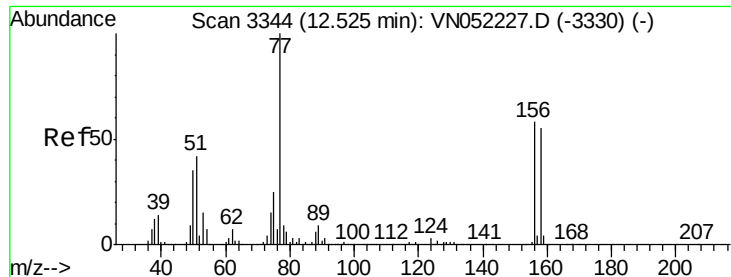
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
80000 Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.082 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

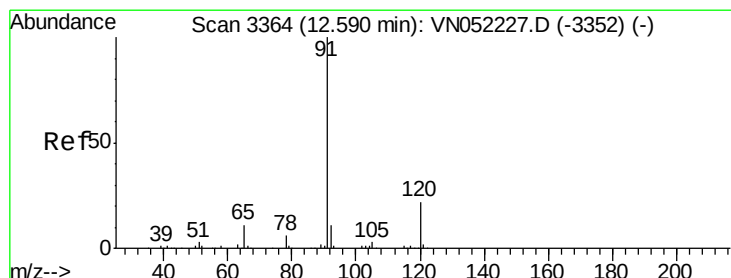
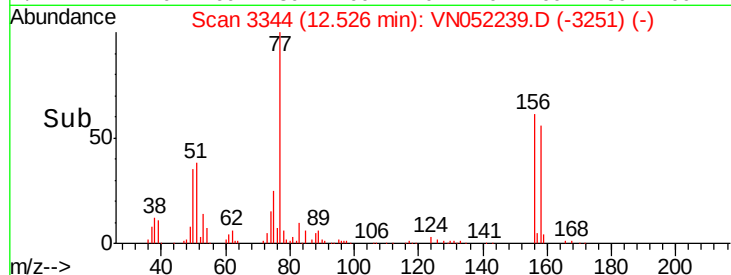
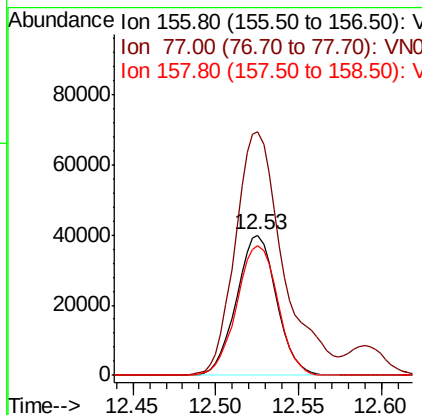
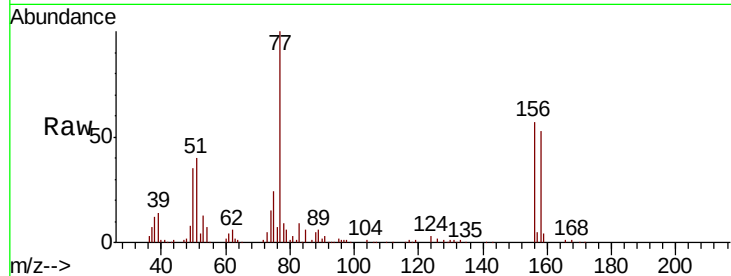
ClientSampleId :

VN1109WBSD01

Tot Ion:	156	Resp:	67144
Ion	Ratio	Lower	Upper
156	100		
77	208.5	101.1	303.3
158	95.2	47.8	143.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.985 ug/l

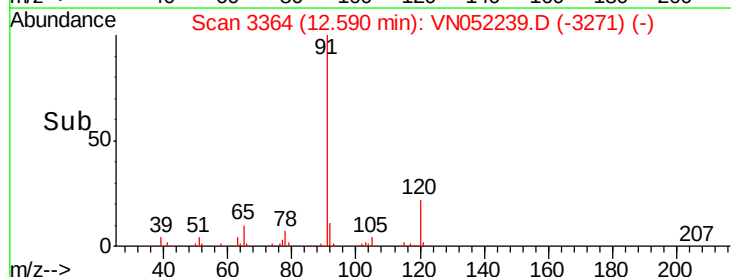
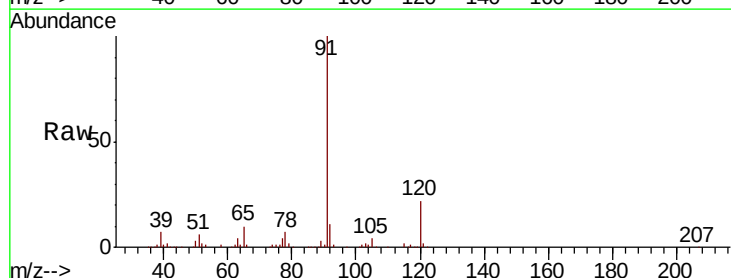
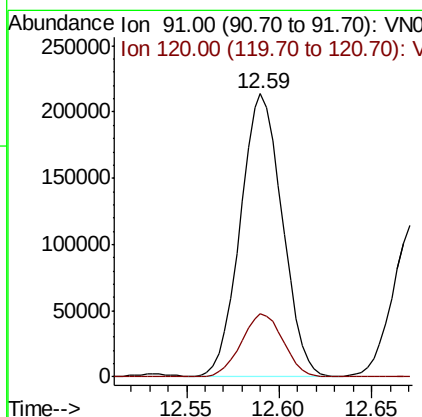
RT: 12.59 min Scan# 3364

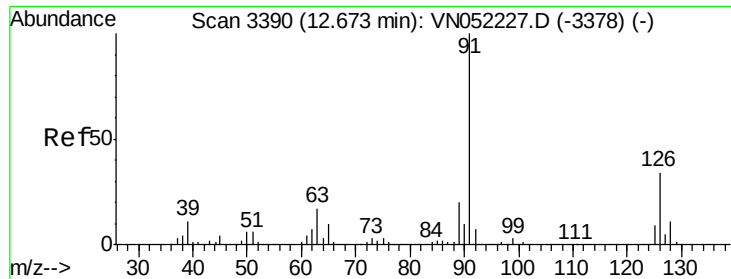
Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Tgt Ion:	91	Resp:	334247
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





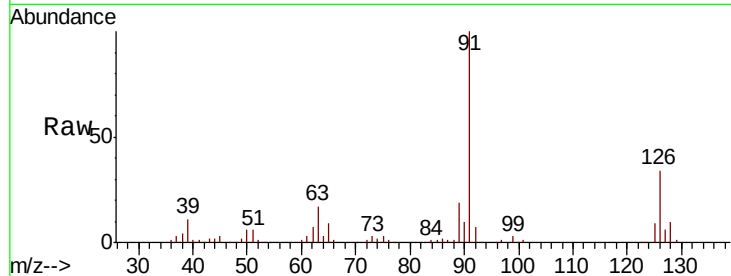
#79
2-Chlorotoluene
Concen: 19.406 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

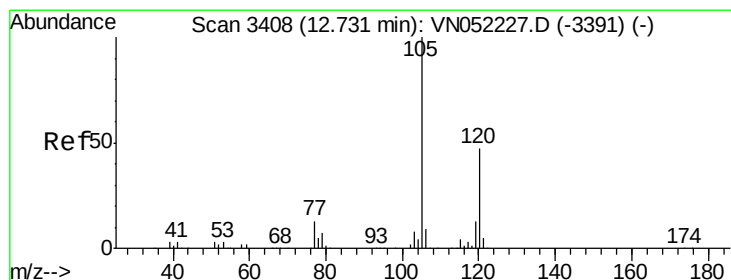
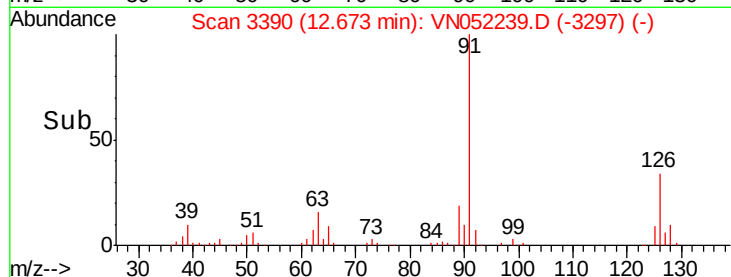
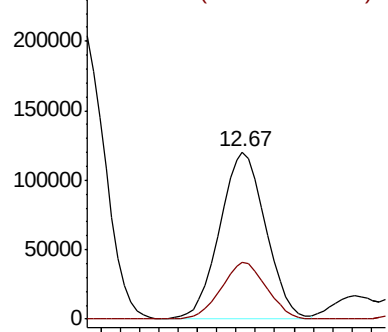
Tot Ion: 91 Resp: 197931
Ion Ratio Lower Upper
91 100
126 33.6 17.0 51.0

Manual Integrations
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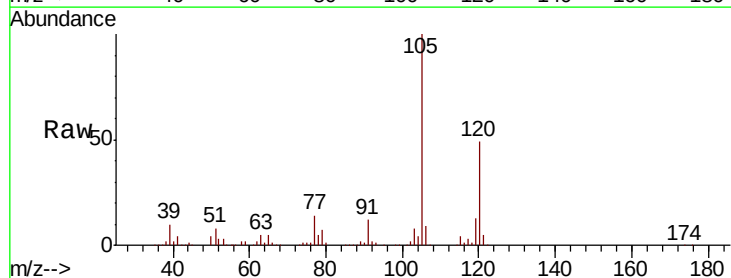


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)

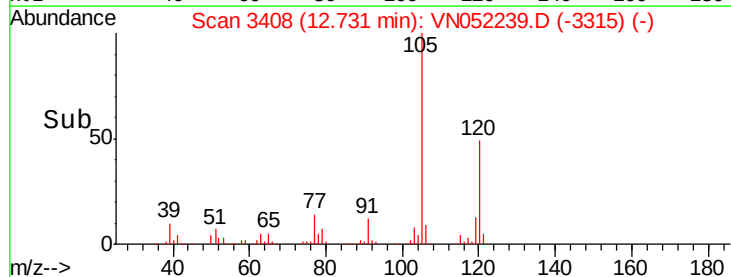
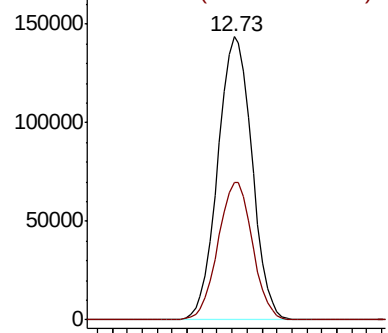


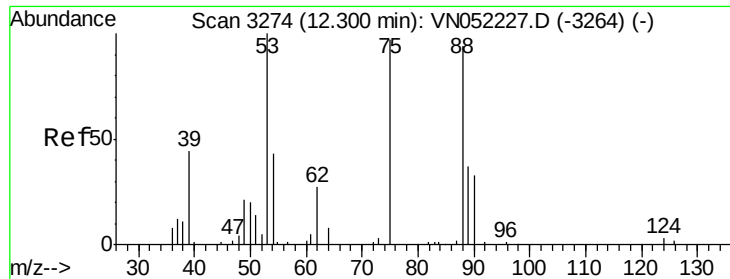
#80
1,3,5-Trimethylbenzene
Concen: 19.122 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 105 Resp: 228597
Ion Ratio Lower Upper
105 100
120 48.9 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)





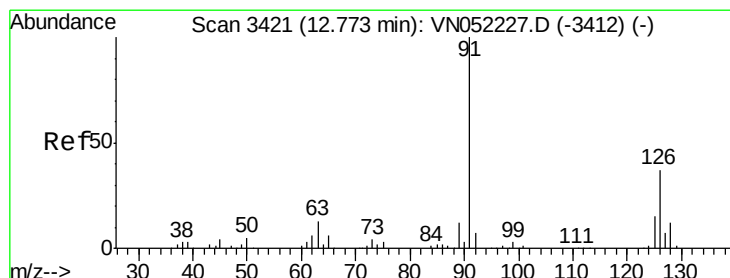
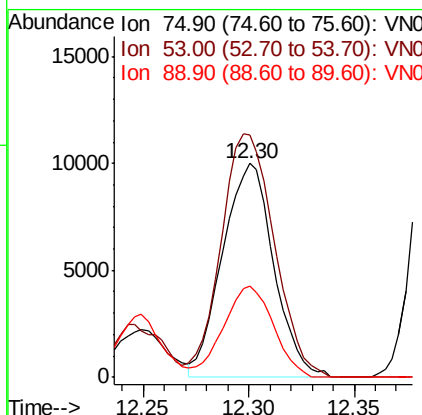
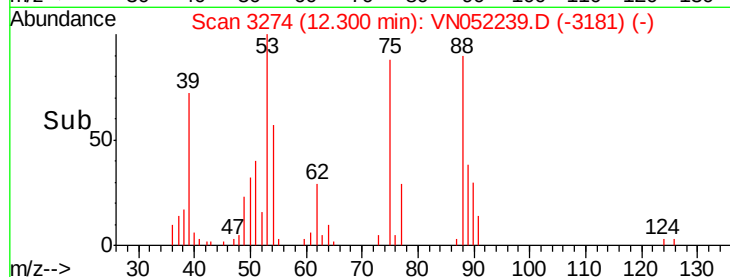
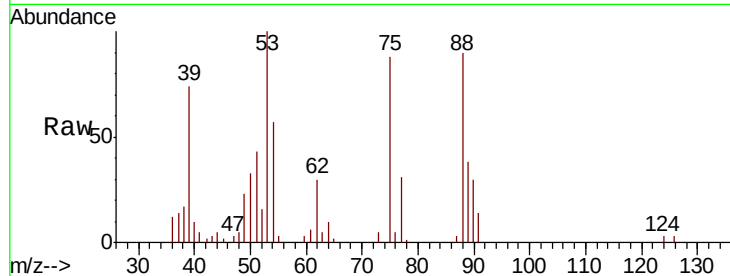
#81
trans-1,4-Dichloro-2-butene
Concen: 17.668 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.0	84.0	126.0
89	41.7	33.7	50.5

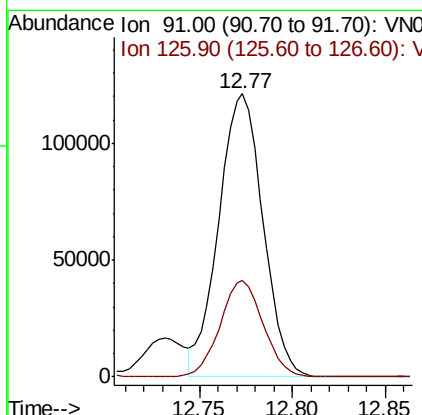
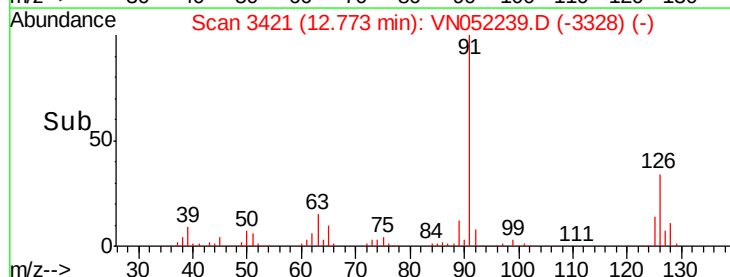
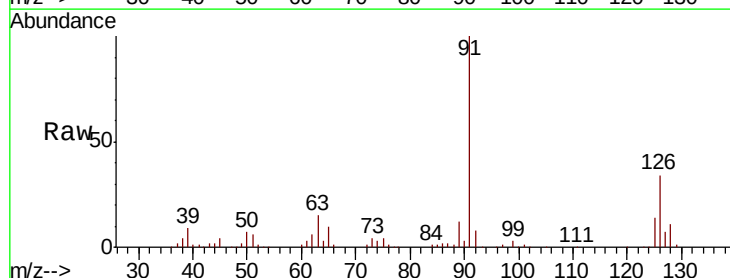
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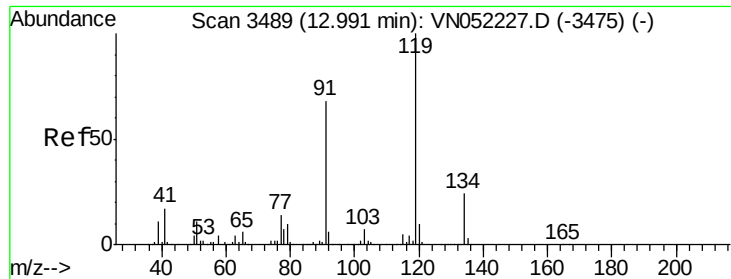
MMDadoda
11/12/2018 9:19:05 AM



#82
4-Chlorotoluene
Concen: 19.602 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.9	50.7





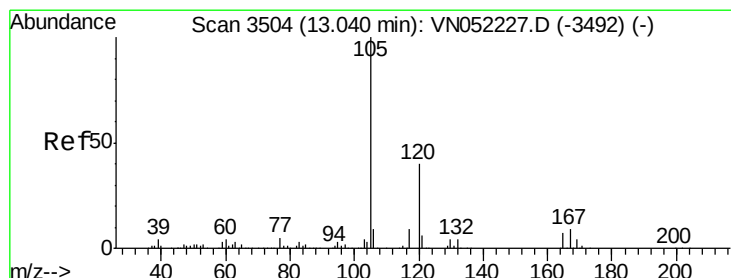
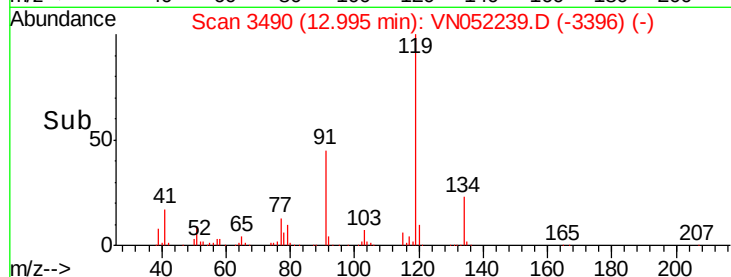
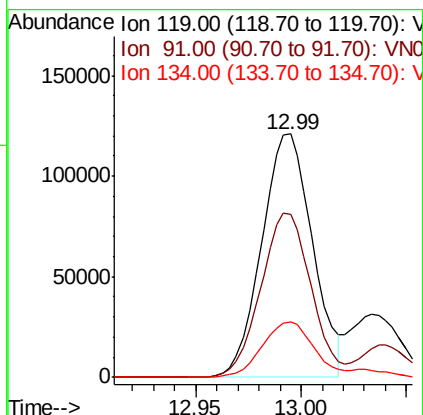
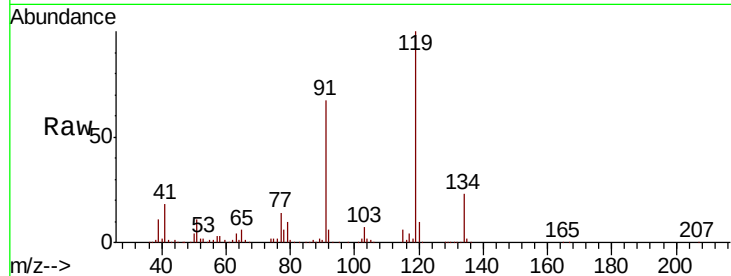
#83
 tert-Butylbenzene
 Concen: 19.405 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.5	100.4
134	23.1	13.0	38.9

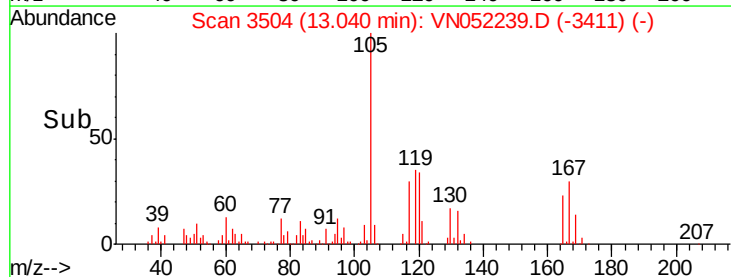
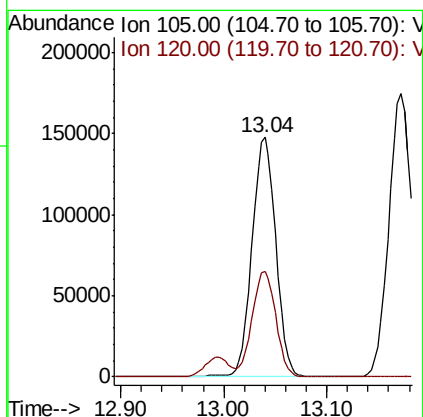
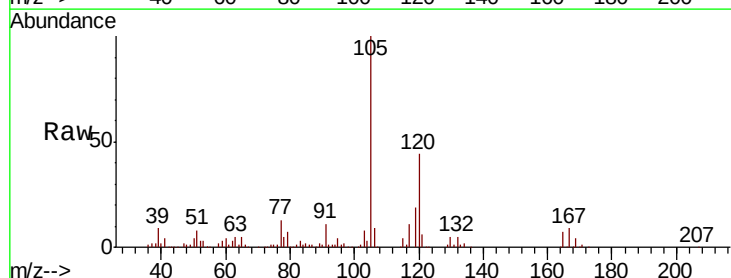
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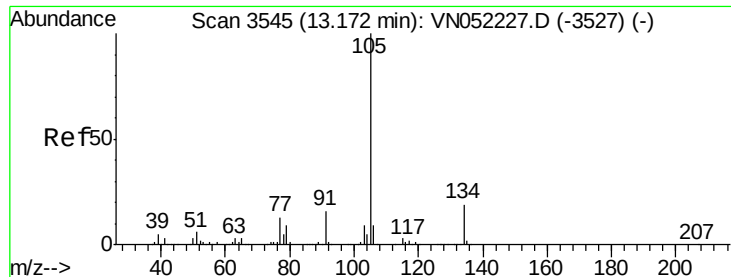
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 11/12/2018 9:19:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.600 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.282 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion:105 Resp: 275974

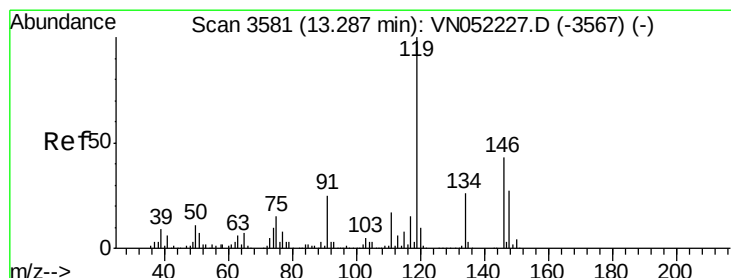
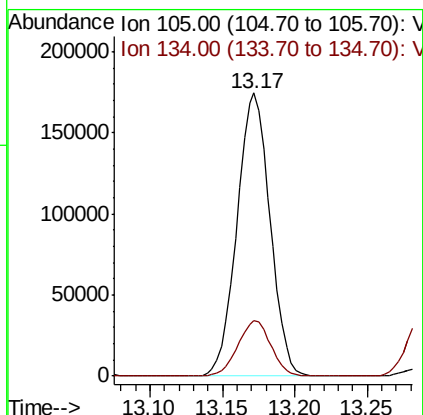
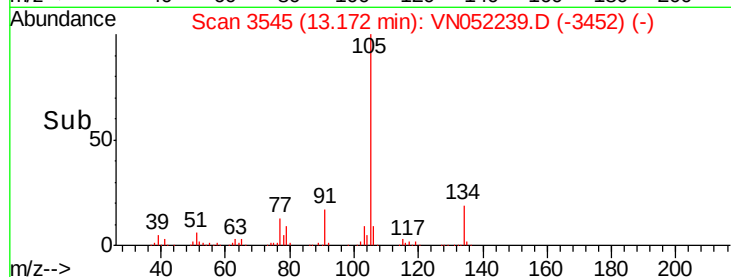
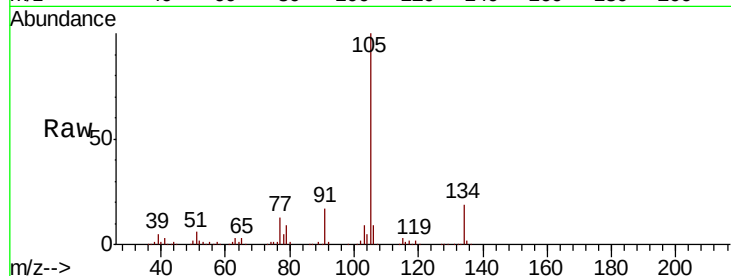
Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.541 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

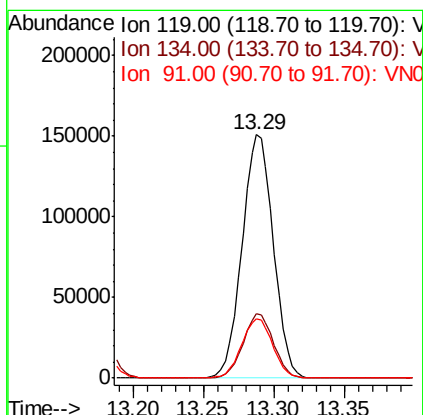
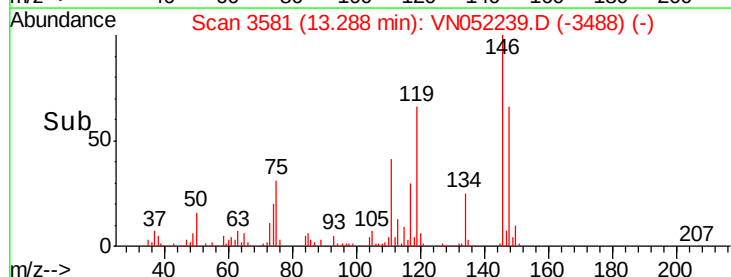
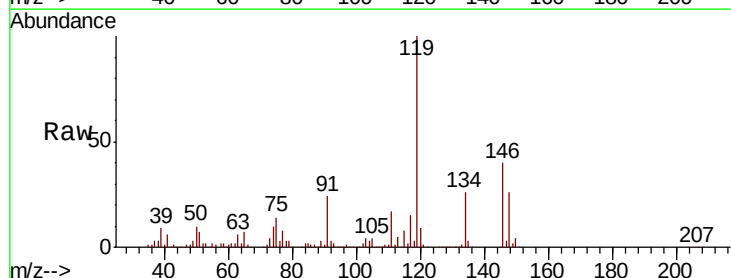
Tgt Ion:119 Resp: 233981

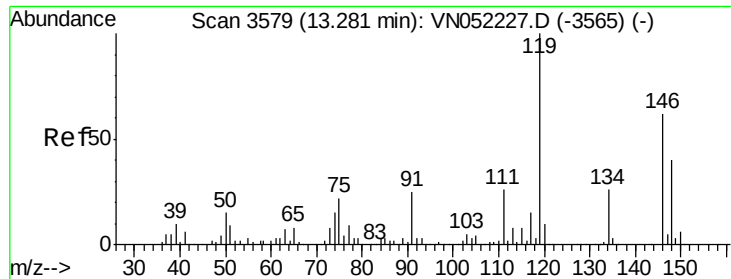
Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.6

91 24.4 12.4 37.0





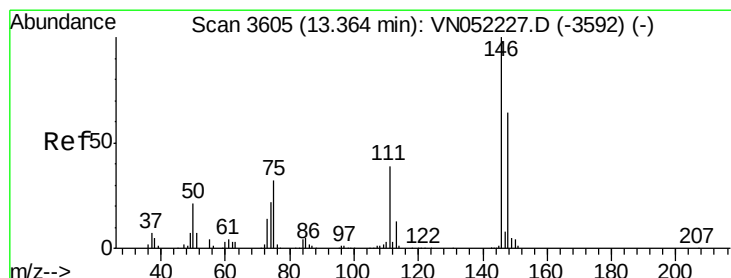
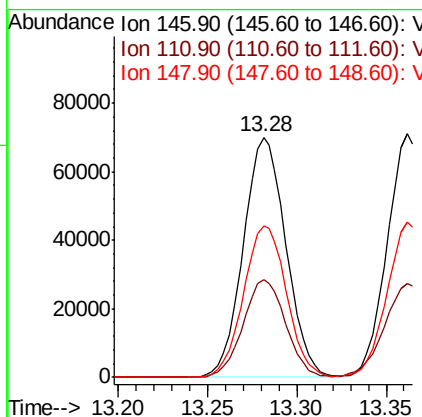
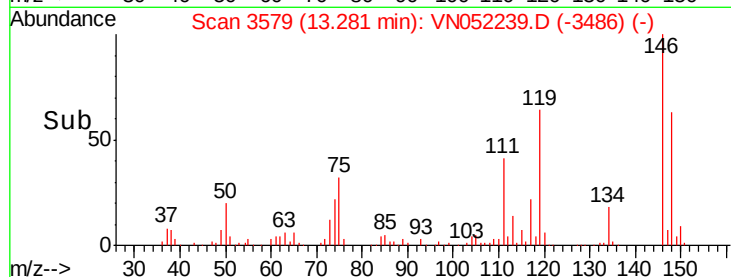
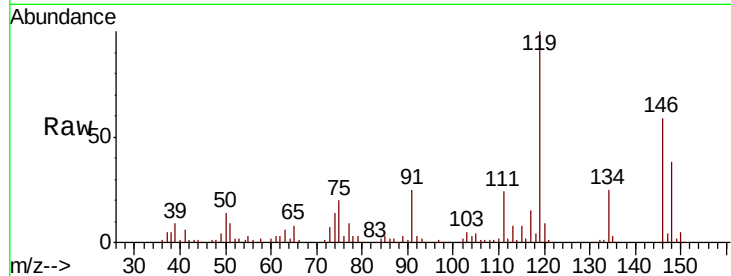
#87
 1,3-Dichlorobenzene
 Concen: 19.118 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.3
148	63.8	31.6	94.7

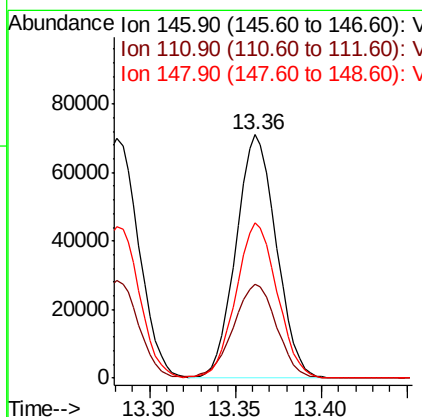
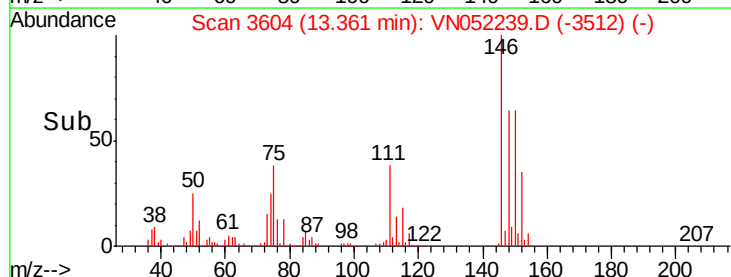
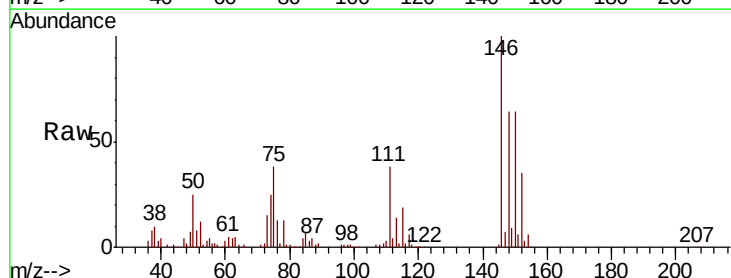
Manual Integrations
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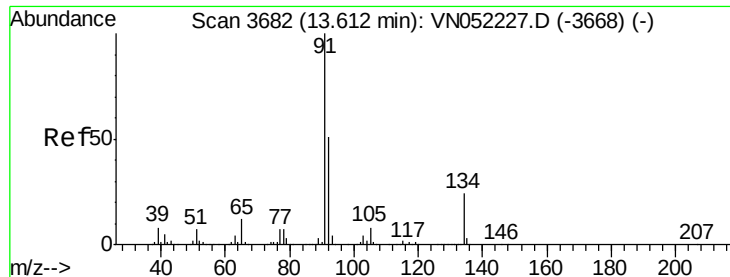
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#88
 1,4-Dichlorobenzene
 Concen: 18.784 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.6
148	65.5	32.1	96.3





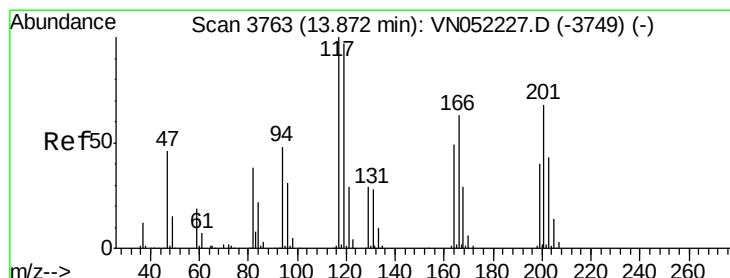
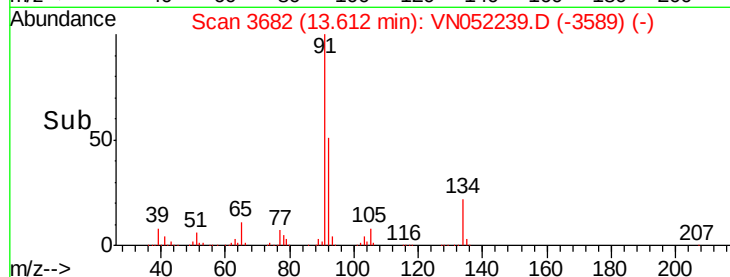
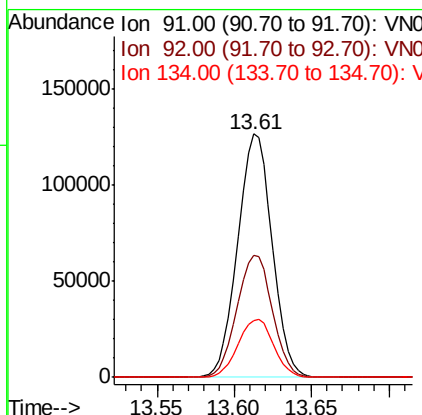
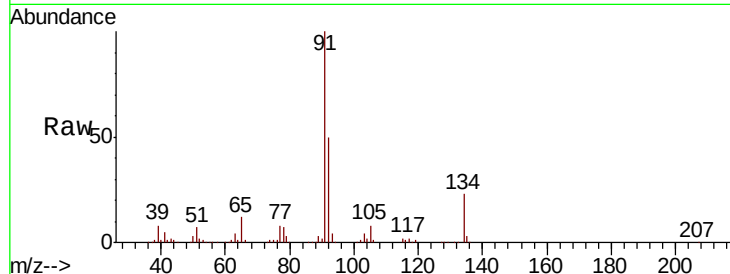
#89
n-Butylbenzene
Concen: 18.351 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.1	75.3
134	24.6	12.0	36.1

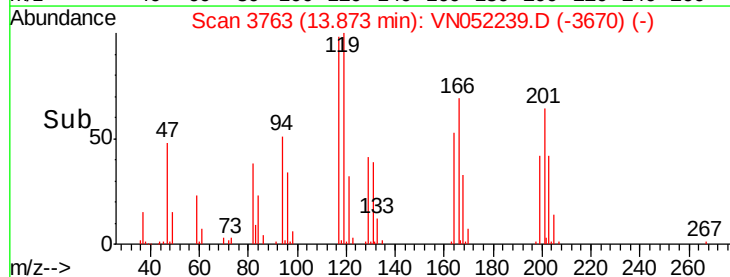
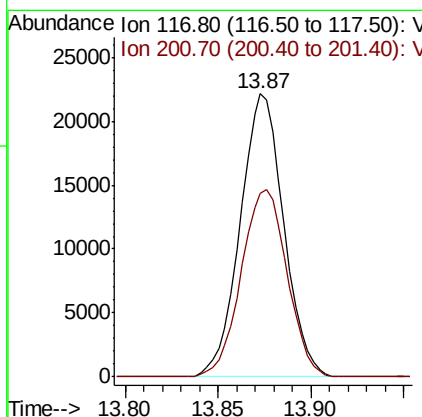
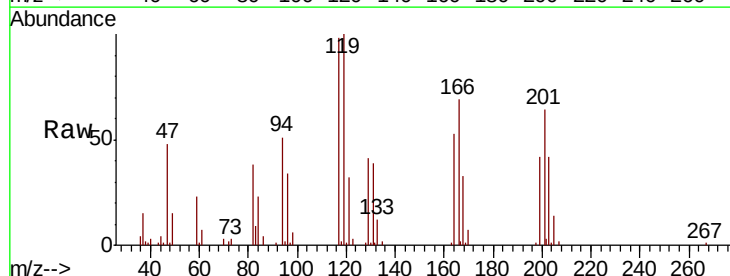
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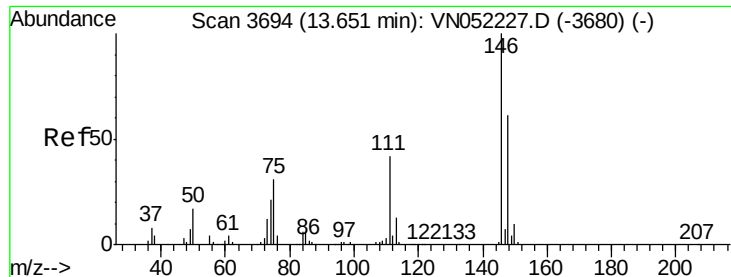
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#90
Hexachloroethane
Concen: 17.222 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	34.6	103.9





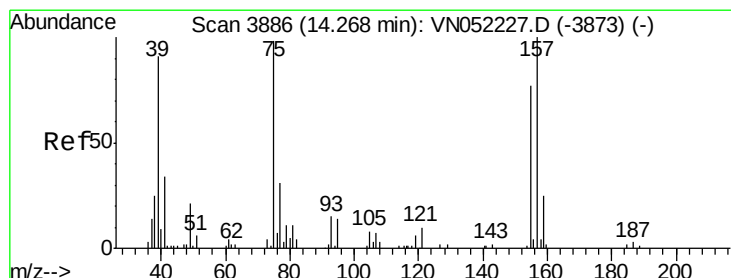
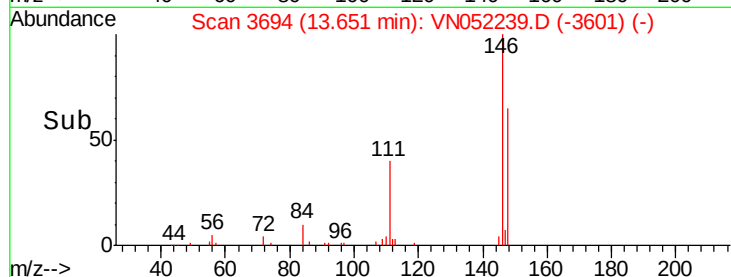
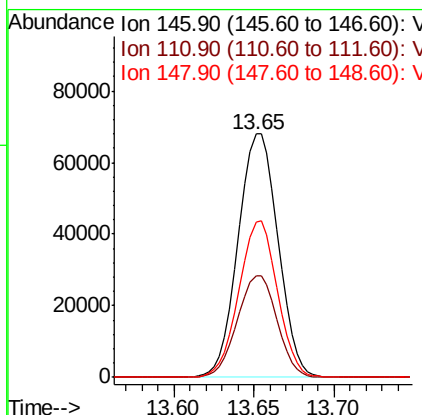
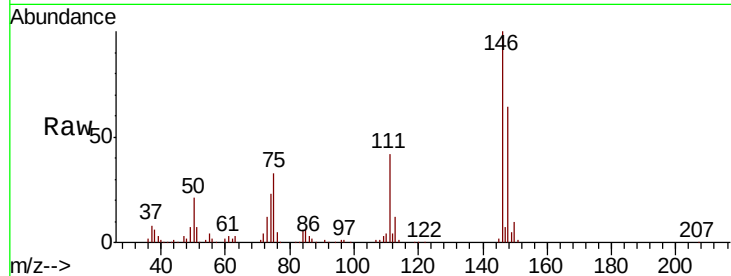
#91
 1,2-Dichlorobenzene
 Concen: 19.361 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	61.9	31.3	93.8

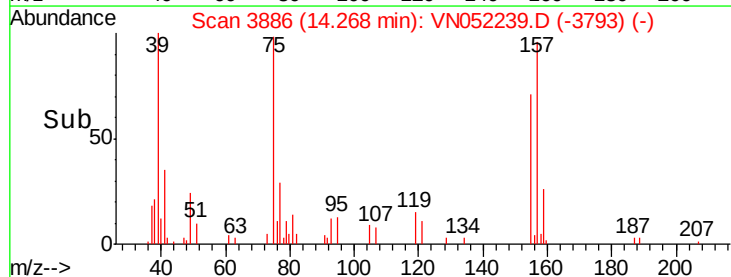
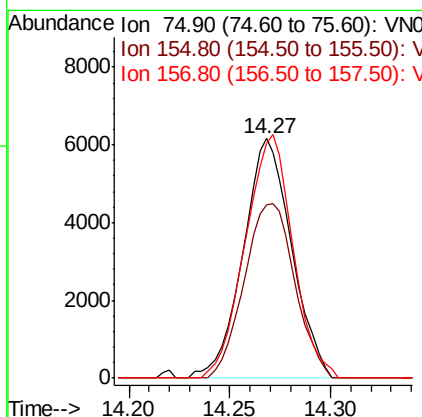
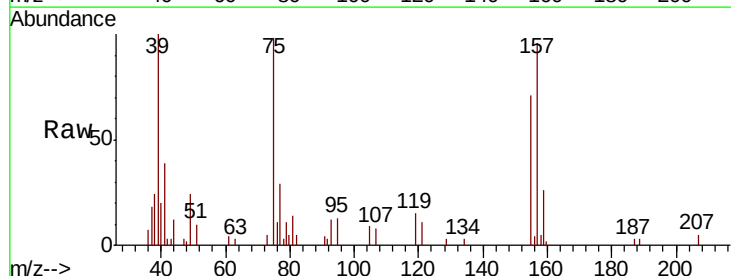
Manual Integrations
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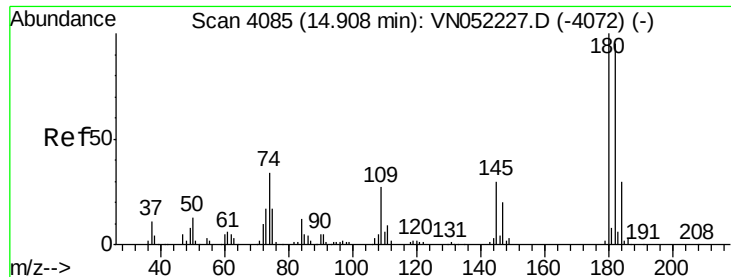
MMDadoda
 11/12/2018 9:19:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.723 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	40.2	120.5
157	100.1	51.7	155.2





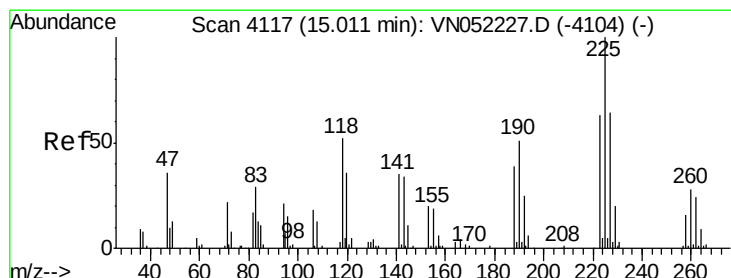
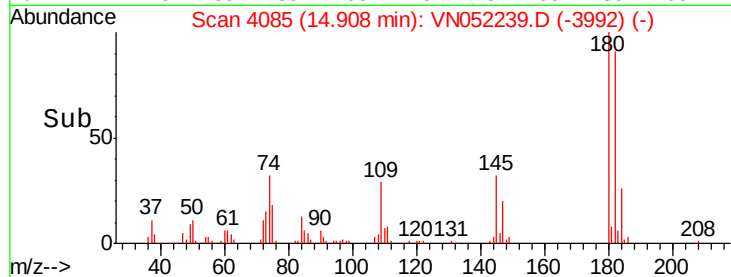
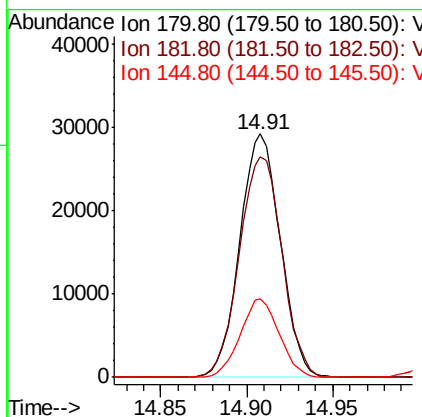
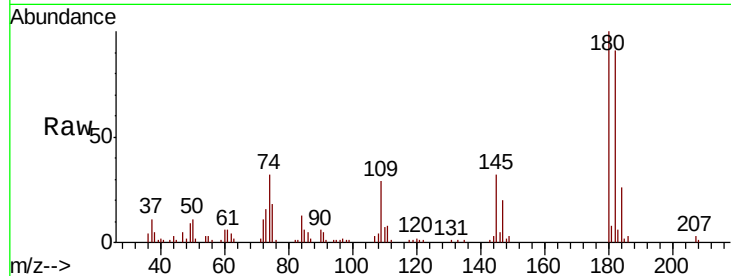
#93
 1,2,4-Trichlorobenzene
 Concen: 20.253 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	31.1	15.6	46.8

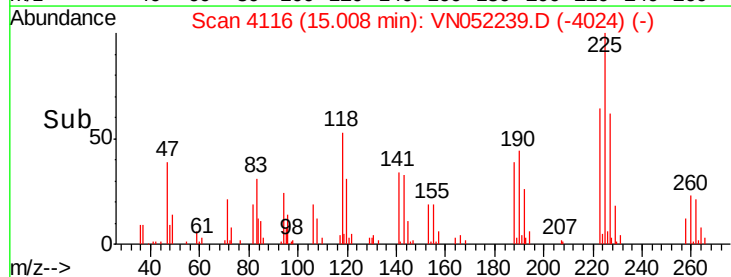
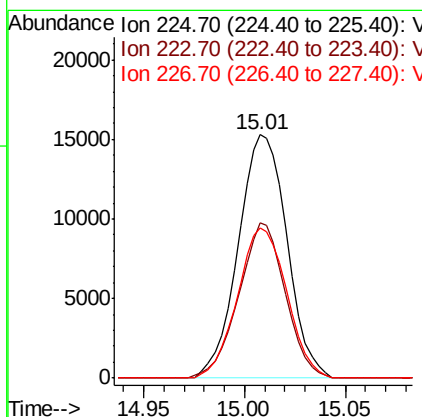
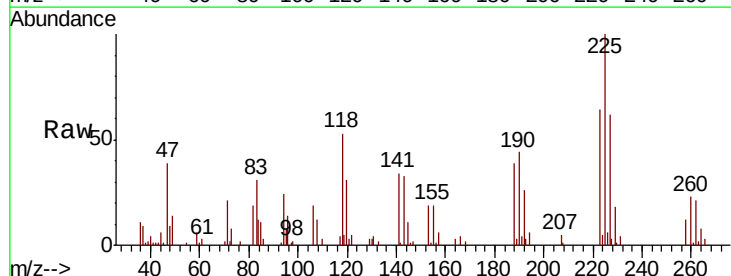
Manual Integrations
 APPROVED

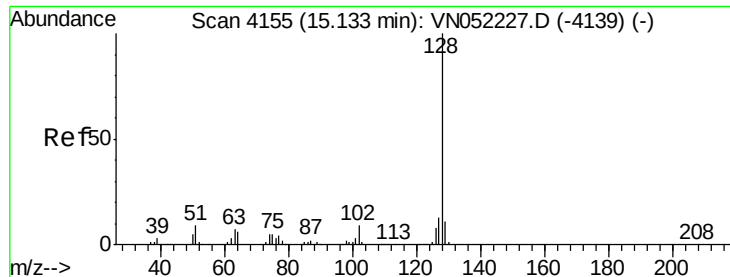
MMDadoda
 11/12/2018 9:19:05 AM



#94
 Hexachlorobutadiene
 Concen: 20.110 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	32.1	96.3
227	62.5	31.8	95.4





#95

Naphthalene

Concen: 20.143 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

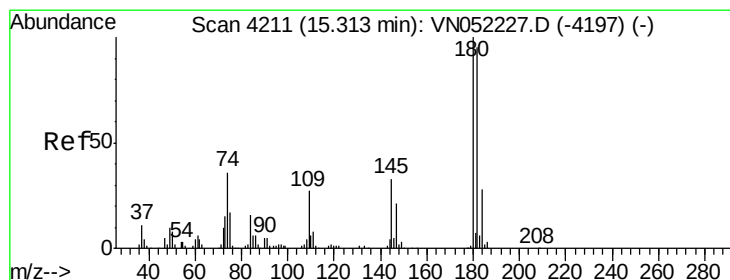
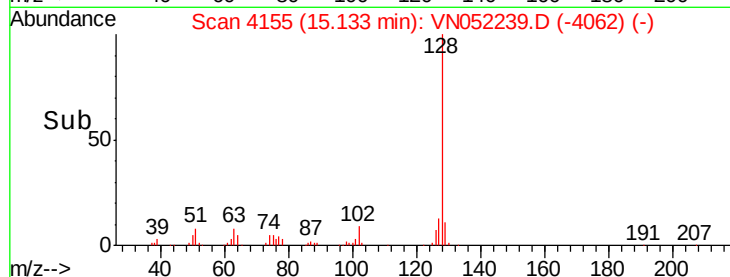
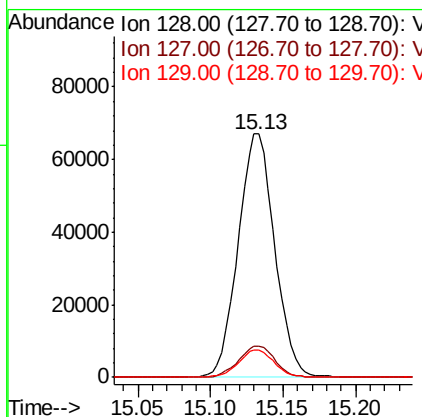
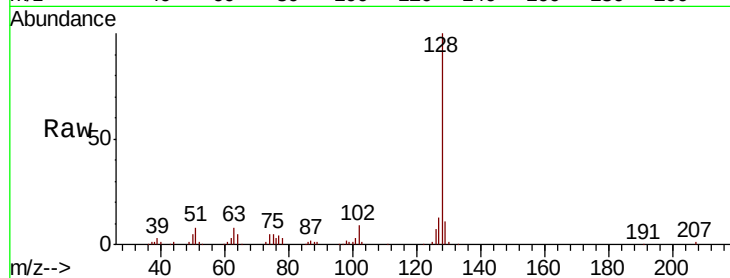
ClientSampleId :

VN1109WBSD01

Tot Ion:	128	Resp:	117353
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:19:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.981 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Tgt Ion:	180	Resp:	44657
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.7	143.1
145	31.7	16.8	50.3

