

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050235.D
 Acq On : 1 Aug 2018 9:21
 Operator : MD\SY
 Sample : VN0801WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:53:41 AM

Quant Time: Aug 02 01:07:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	739815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1079950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	976155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	495660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	500591	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	452804	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.09	98	1645205	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	543213	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	204167	19.207	ug/l	99
3) Chloromethane	2.06	50	199533	17.268	ug/l	99
4) Vinyl Chloride	2.18	62	216437	17.787	ug/l	96
5) Bromomethane	2.56	94	79784	11.025	ug/l	99
6) Chloroethane	2.70	64	125566	17.183	ug/l	100
7) Trichlorofluoromethane	3.01	101	296344	18.800	ug/l	97
8) Diethyl Ether	3.41	74	98883	18.817	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	185503	19.570	ug/l	100
10) Methyl Iodide	3.95	142	106430	8.748	ug/l	98
11) Tert butyl alcohol	4.80	59	74892	98.609	ug/l	99
12) 1,1-Dichloroethene	3.73	96	157403	18.460	ug/l	96
13) Acrolein	3.61	56	33066	54.188	ug/l	94
14) Allyl chloride	4.32	41	254938	19.282	ug/l	98
15) Acrylonitrile	4.99	53	322633	97.368	ug/l	100
16) Acetone	3.82	43	283621	114.294	ug/l	97
17) Carbon Disulfide	4.05	76	438675	16.793	ug/l	100
18) Methyl Acetate	4.33	43	234026	23.896	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	454001	19.980	ug/l	99
20) Methylene Chloride	4.55	84	186414	19.606	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	170325	18.851	ug/l	98
22) Diisopropyl ether	5.96	45	552735	21.084	ug/l	99
23) Vinyl Acetate	5.90	43	1784840	96.339	ug/l	99
24) 1,1-Dichloroethane	5.85	63	329742	19.235	ug/l	99
25) 2-Butanone	6.84	43	410022	104.142	ug/l	99
26) 2,2-Dichloropropane	6.82	77	275951	21.159	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	192449	19.787	ug/l	99
28) Bromochloromethane	7.20	49	163383	20.895	ug/l	100
29) Tetrahydrofuran	7.21	42	254683	100.106	ug/l	99
30) Chloroform	7.37	83	341141	19.501	ug/l	99
31) Cyclohexane	7.65	56	271762	19.073	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	282855	18.902	ug/l	98
36) 1,1-Dichloropropene	7.79	75	243293	19.996	ug/l	100
37) Ethyl Acetate	6.93	43	169349	19.963	ug/l	98
38) Carbon Tetrachloride	7.77	117	254043	19.678	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248204	19.830	ug/l	97
40) Benzene	8.04	78	742508	20.055	ug/l	100
41) Methacrylonitrile	7.18	41	84606	20.845	ug/l	86
42) 1,2-Dichloroethane	8.13	62	242367	19.622	ug/l	100
43) Isopropyl Acetate	8.17	43	339247	20.551	ug/l	95
44) Trichloroethene	8.84	130	196255	19.727	ug/l	99
45) 1,2-Dichloropropane	9.12	63	199358	20.329	ug/l	100
46) Dibromomethane	9.21	93	123704	20.315	ug/l	99
47) Bromodichloromethane	9.40	83	257843	20.063	ug/l	100
48) Methyl methacrylate	9.20	41	148894	20.380	ug/l	98
49) 1,4-Dioxane	9.20	88	44309	445.657	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	875173	104.947	ug/l	99
52) Toluene	10.16	92	460650	21.078	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	254295	20.969	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	289800	20.910	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	177087	20.428	ug/l	99
56) Ethyl methacrylate	10.43	69	215056	19.601	ug/l	99
57) 1,3-Dichloropropane	10.71	76	290459	20.577	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	491551	95.068	ug/l	99
59) 2-Hexanone	10.75	43	602084	101.396	ug/l	99
60) Dibromochloromethane	10.90	129	198346	20.666	ug/l	99
61) 1,2-Dibromoethane	11.01	107	169040	19.654	ug/l	97
64) Tetrachloroethene	10.63	164	183457	19.548	ug/l	97
65) Chlorobenzene	11.44	112	495631	20.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	191262	20.188	ug/l	100
67) Ethyl Benzene	11.51	91	820240	20.708	ug/l	100
68) m/p-Xylenes	11.62	106	644059	42.989	ug/l	99
69) o-Xylene	11.95	106	301136	21.085	ug/l	99
70) Styrene	11.97	104	491654	19.922	ug/l	99
71) Bromoform	12.13	173	136405	19.792	ug/l #	98
73) Isopropylbenzene	12.25	105	815719	21.220	ug/l	100
74) N-amyl acetate	12.07	43	232907	19.824	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	228885	21.277	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	192825m	20.933	ug/l	
77) Bromobenzene	12.53	156	209188	19.634	ug/l	98
78) n-propylbenzene	12.59	91	942384	21.933	ug/l	99
79) 2-Chlorotoluene	12.68	91	569705	21.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	675104	22.327	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59158	20.370	ug/l	96
82) 4-Chlorotoluene	12.77	91	574393	21.780	ug/l	100
83) tert-Butylbenzene	12.99	119	574606	21.776	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	680485	22.327	ug/l	100
85) sec-Butylbenzene	13.17	105	777688	22.057	ug/l	100
86) p-Isopropyltoluene	13.29	119	672038	22.620	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	369578	20.462	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	359482	20.421	ug/l	99
89) n-Butylbenzene	13.62	91	525708	21.519	ug/l	100
90) Hexachloroethane	13.88	117	130230	19.741	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	361729	20.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33212	18.886	ug/l	97

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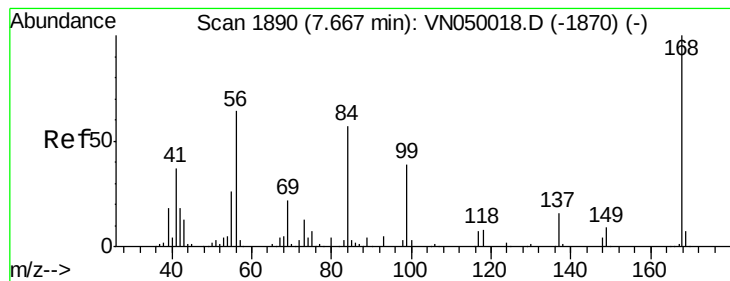
Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:53:41 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159701	18.736	ug/l	98
94) Hexachlorobutadiene	15.01	225	116349	21.050	ug/l	100
95) Naphthalene	15.14	128	327117	17.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	165330	19.151	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion:168 Resp: 739815

Ion Ratio Lower Upper

168 100

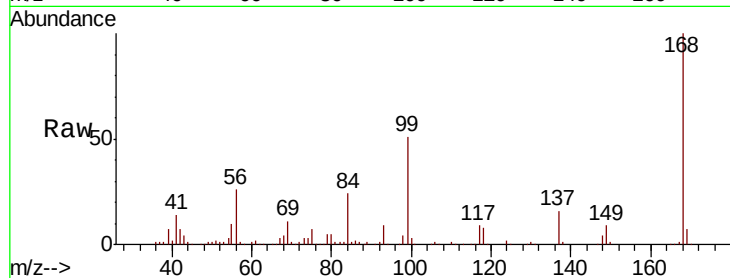
99 50.9 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

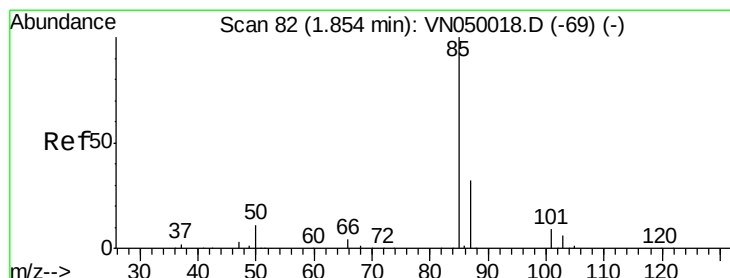
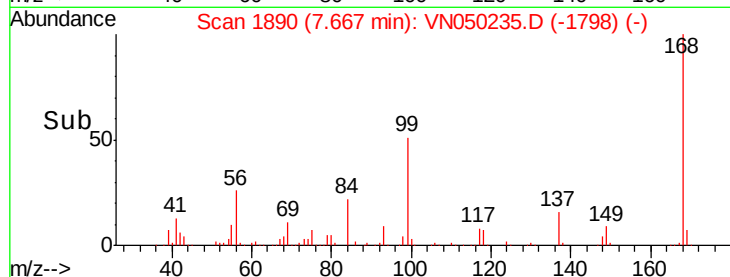
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.207 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050235.D

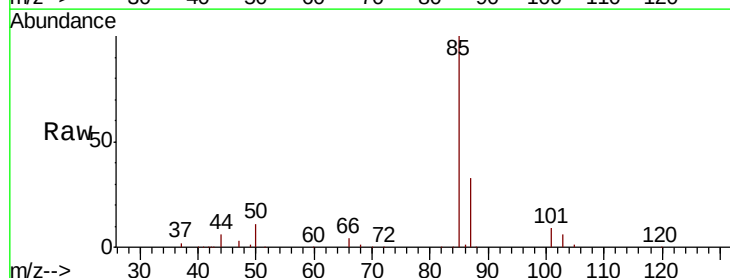
Acq: 1 Aug 2018 9:21

Tgt Ion: 85 Resp: 204167

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050018.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050018.D (-69) (-)

1.85

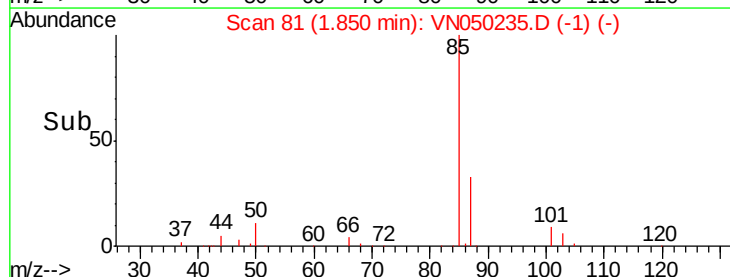
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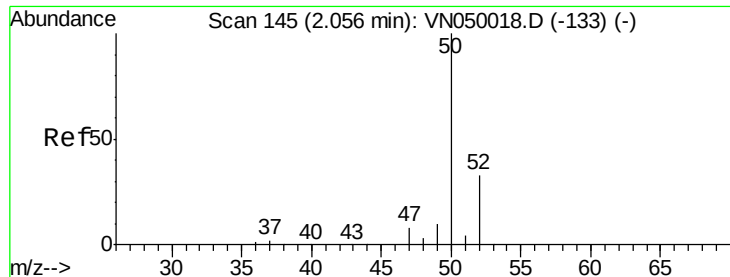
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 17.268 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 50 Resp: 199533

Ion Ratio Lower Upper

50 100

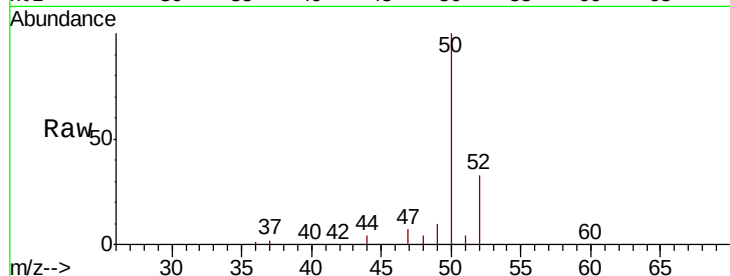
52 32.8 25.9 38.9

Manual Integrations

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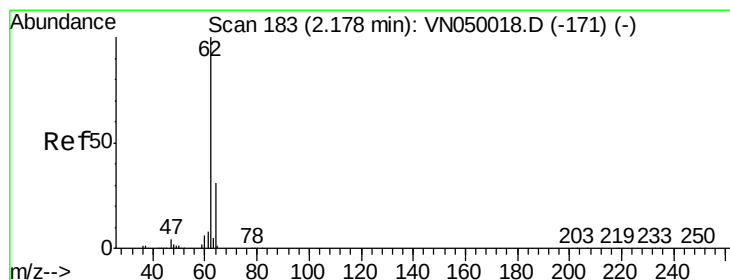
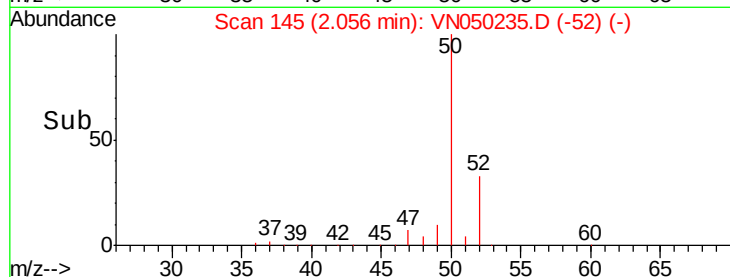
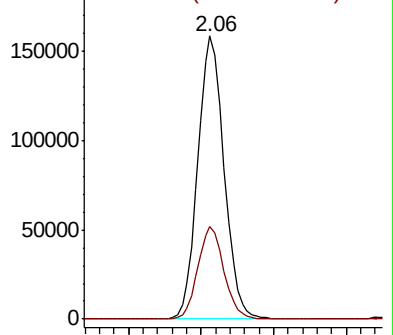
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.787 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050235.D

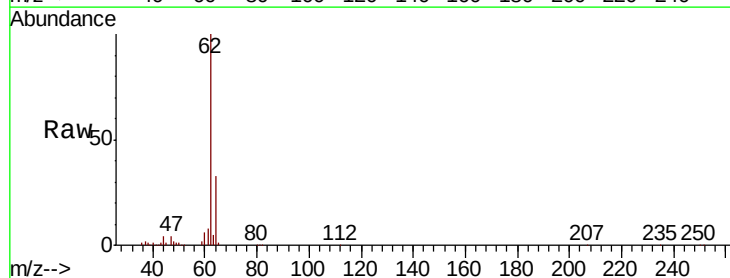
Acq: 1 Aug 2018 9:21

Tgt Ion: 62 Resp: 216437

Ion Ratio Lower Upper

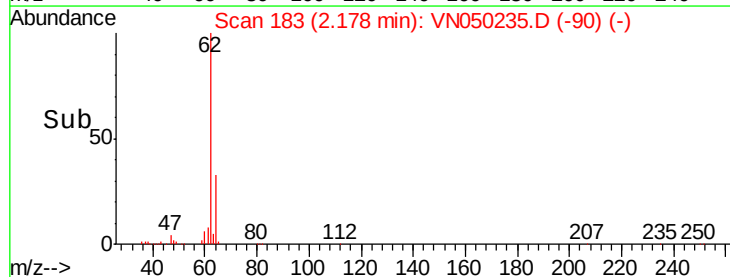
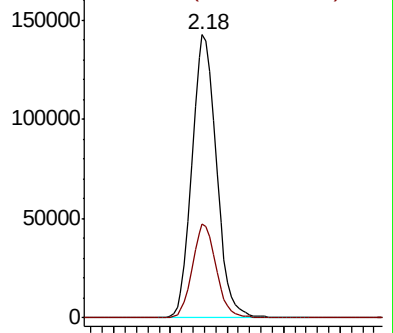
62 100

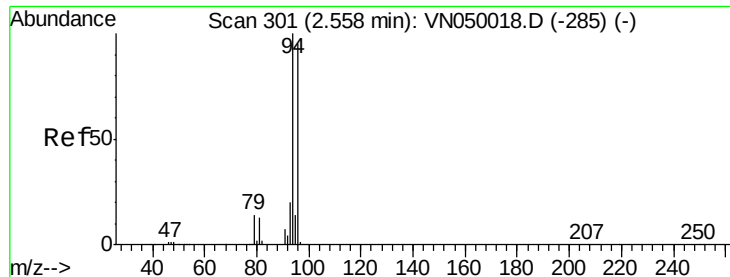
64 33.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 11.025 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion: 94 Resp: 79784

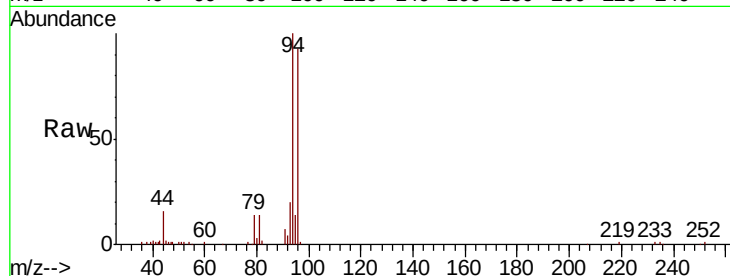
Ion Ratio Lower Upper

94 100

96 92.5 74.6 112.0

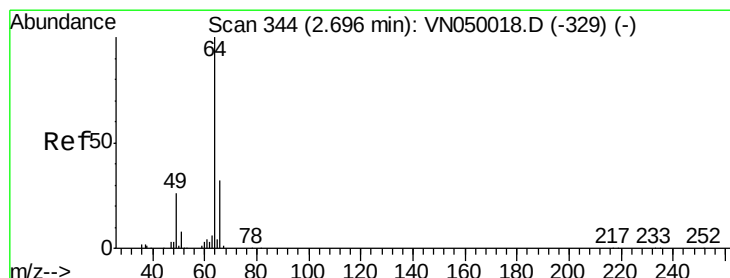
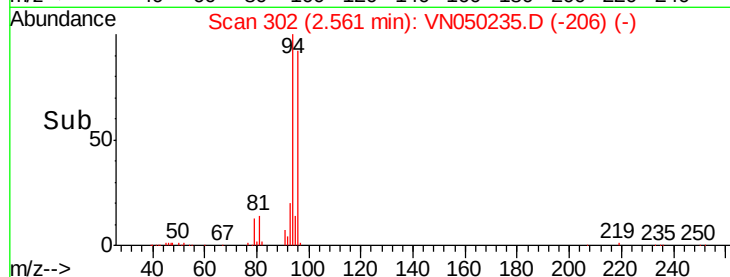
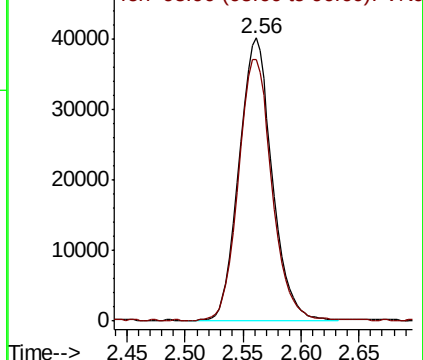
Manual Integrations
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8/2/2018 9:53:41 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.183 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050235.D

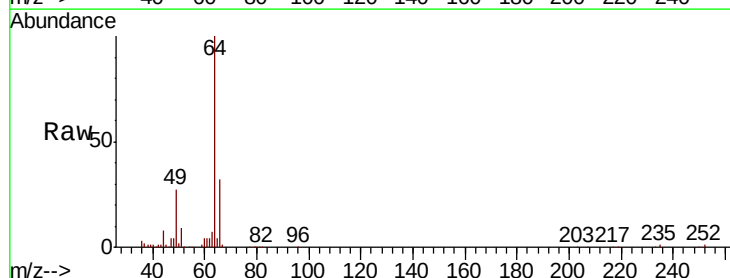
Acq: 1 Aug 2018 9:21

Tgt Ion: 64 Resp: 125566

Ion Ratio Lower Upper

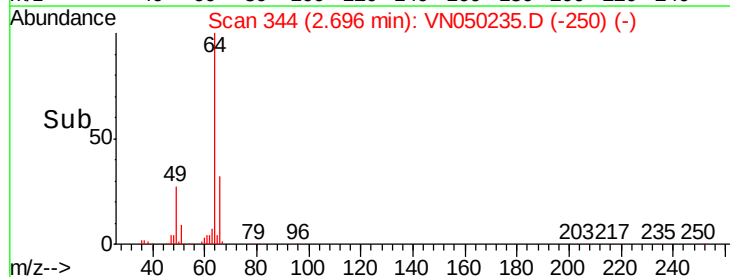
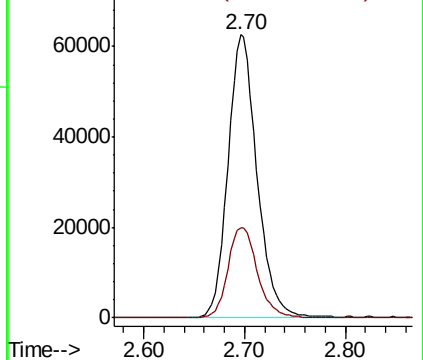
64 100

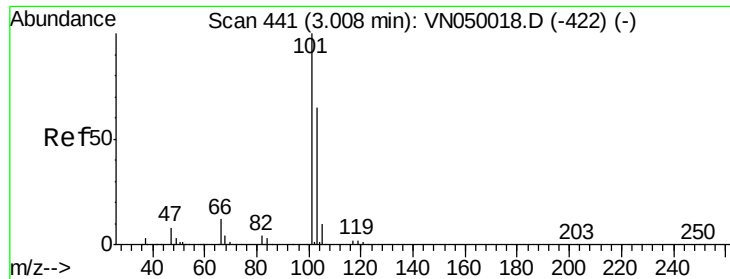
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

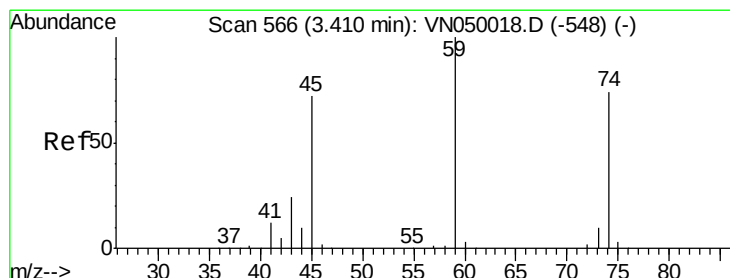
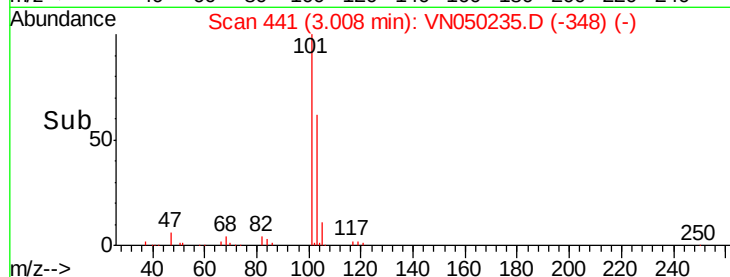
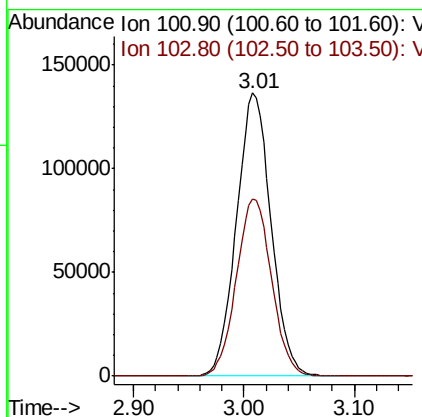
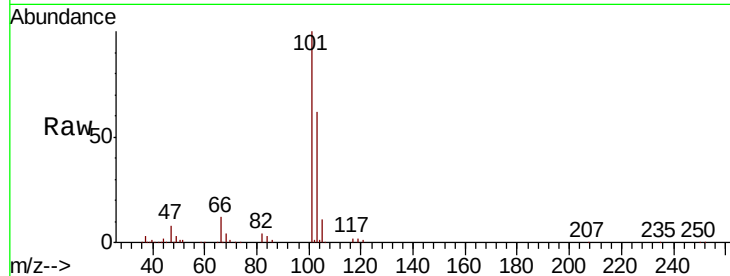
Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
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ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.7	77.5

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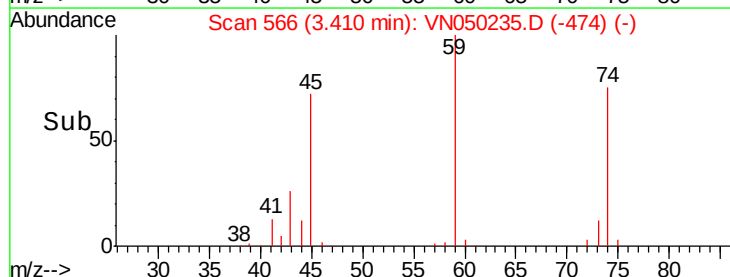
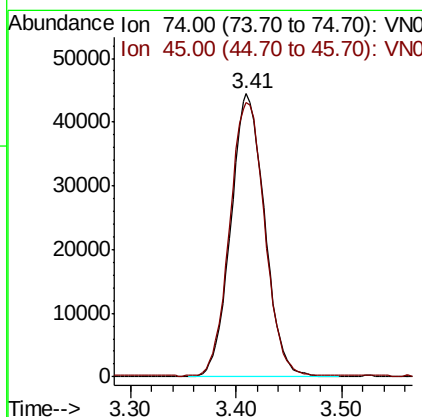
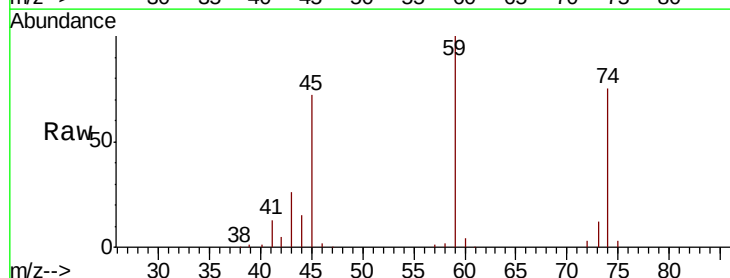
MMDadoda
8/2/2018 9:53:41 AM

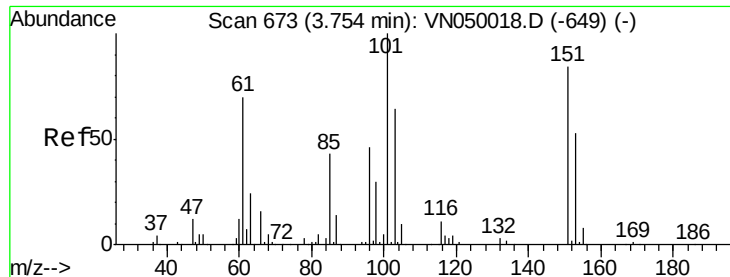


#8

Diethyl Ether
Concen: 18.817 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	47.6	142.8





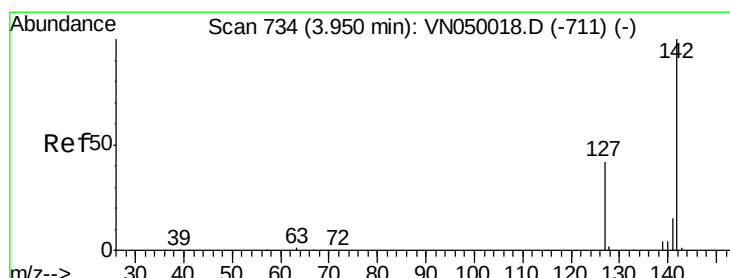
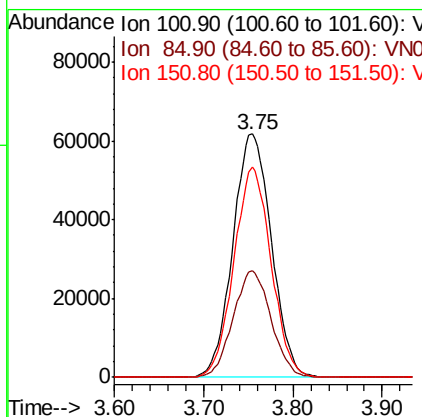
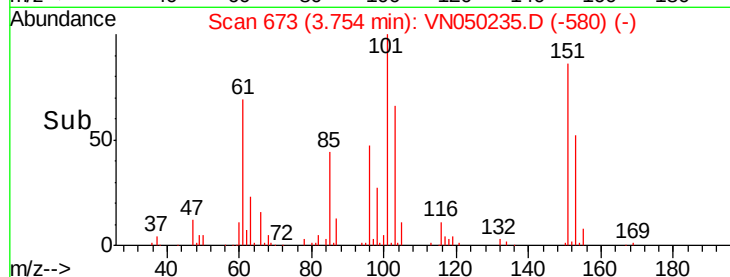
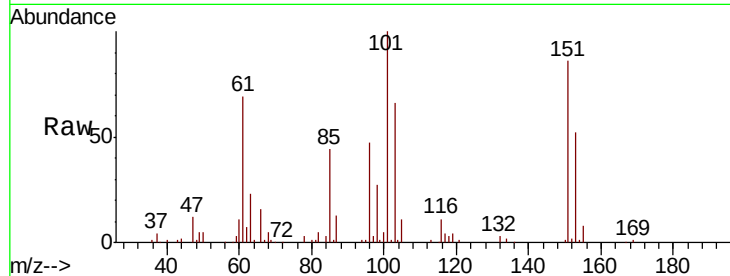
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.570 ug/l
RT: 3.75 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	185503		
85	43.0	34.2	51.2	
151	83.1	66.3	99.5	

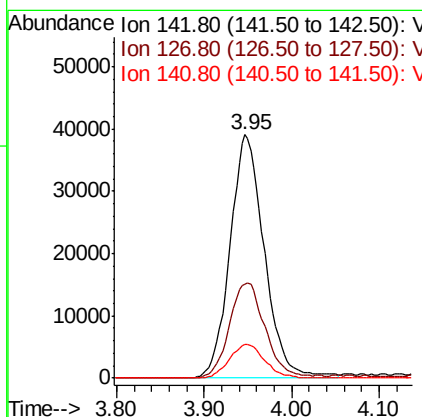
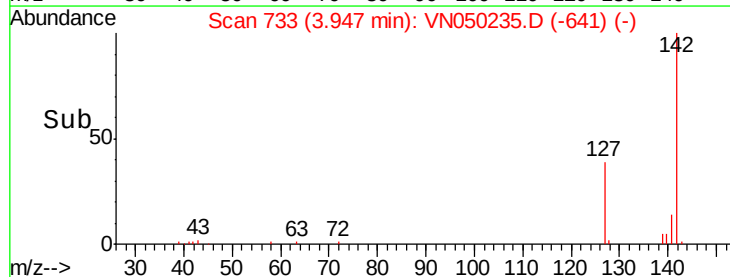
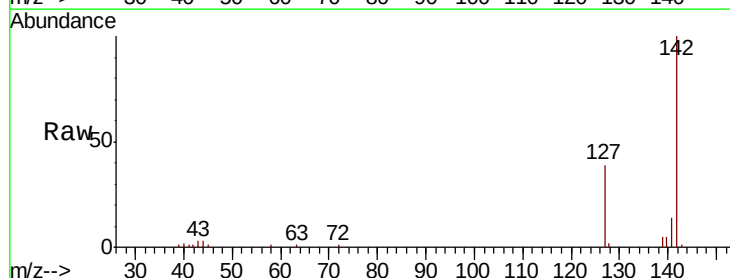
Manual Integrations
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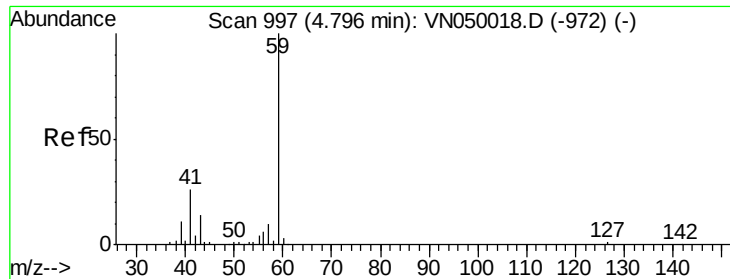
MMDadoda
8/2/2018 9:53:41 AM



#10
Methyl Iodide
Concen: 8.748 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	106430		
127	40.6	33.4	50.2	
141	14.2	11.6	17.4	





#11

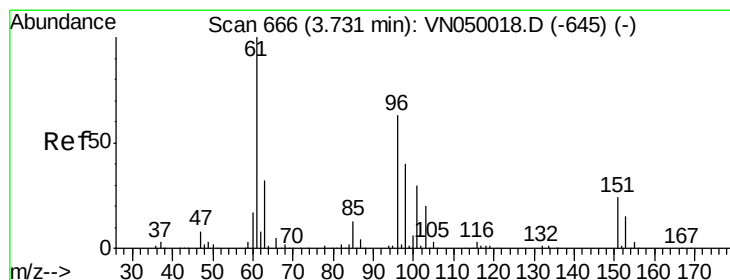
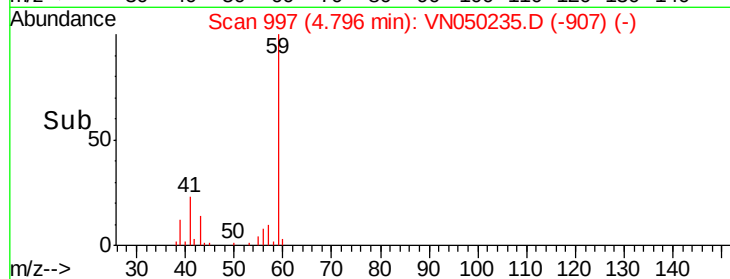
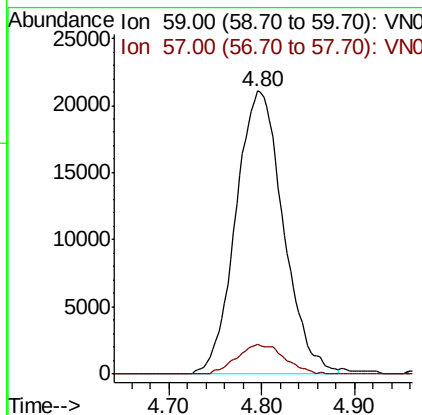
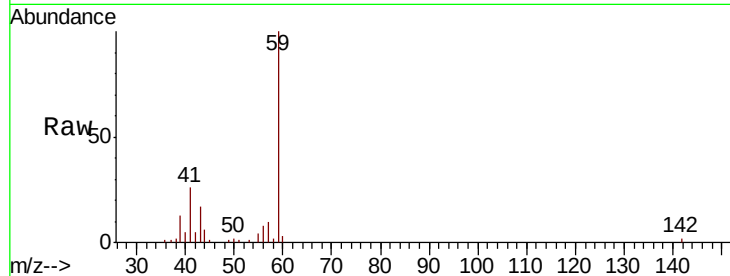
Tert butyl alcohol
Concen: 98.609 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
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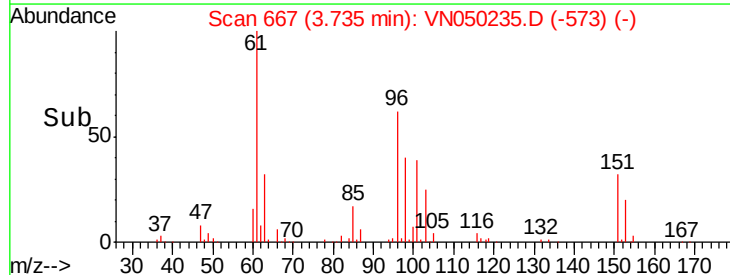
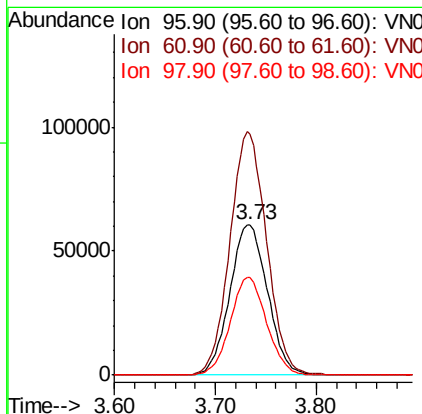
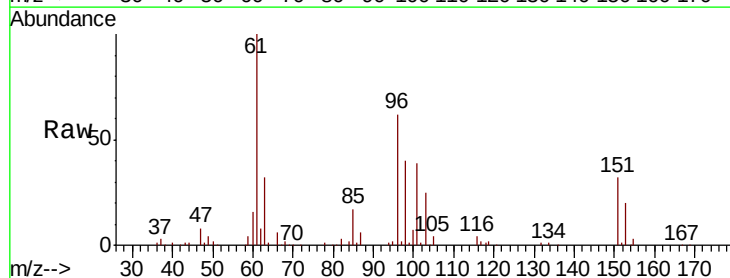
MMDadoda
8/2/2018 9:53:41 AM

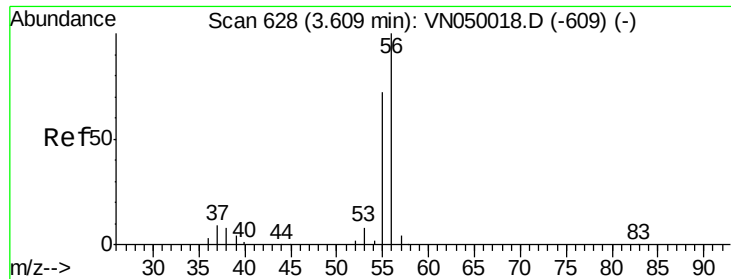


#12

1,1-Dichloroethene
Concen: 18.460 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	124.4	186.6
98	64.8	48.3	72.5





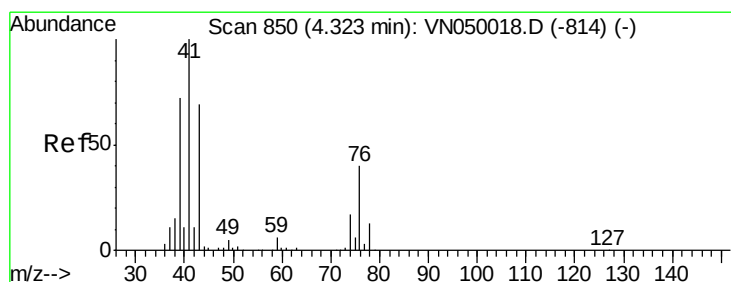
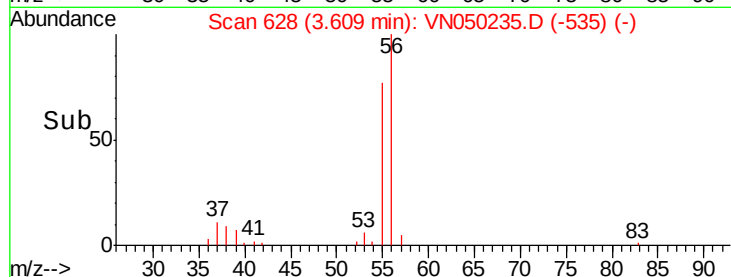
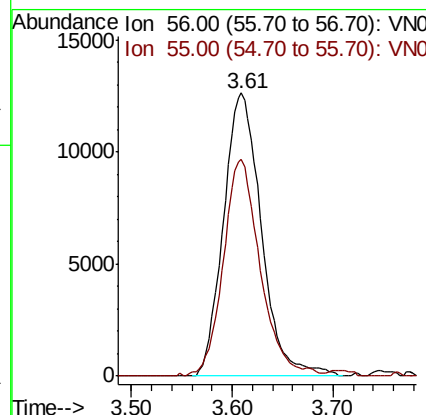
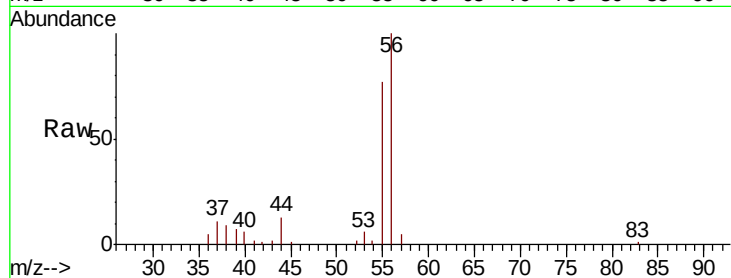
#13
Acrolein
Concen: 54.188 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	56	55	Resp	Lower	Upper
33066	100	74.7		55.8	83.6

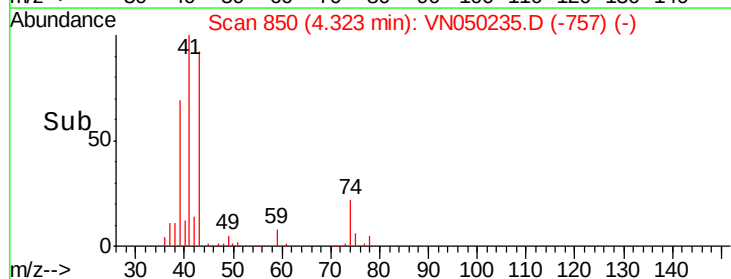
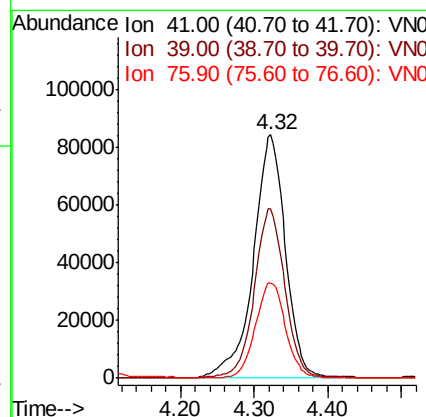
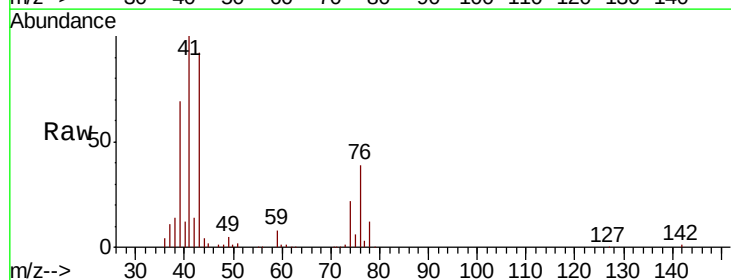
Manual Integrations
APPROVED

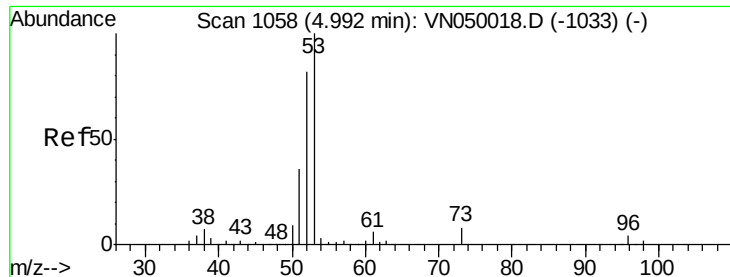
MMDadoda
8/2/2018 9:53:41 AM



#14
Allyl chloride
Concen: 19.282 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	41	39	76	Resp	Lower	Upper
254938	100	66.3	36.9		54.2	81.4





#15

Acrylonitrile

Concen: 97.368 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

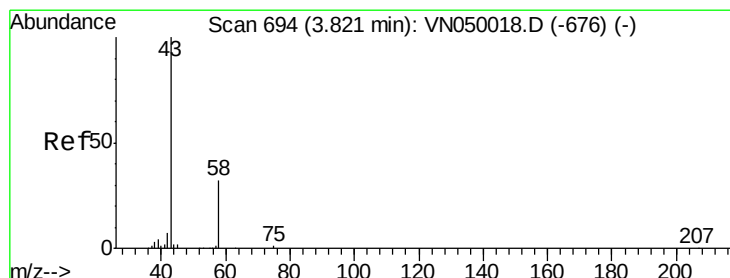
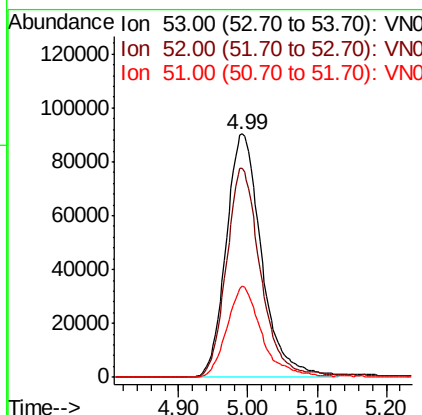
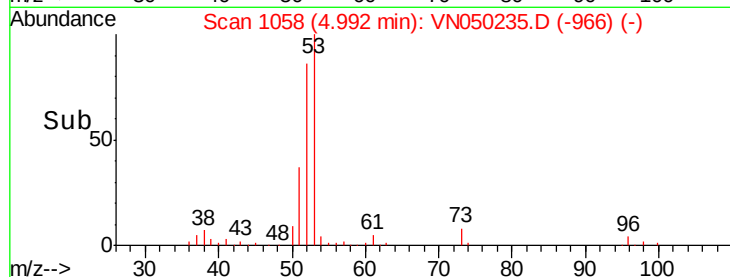
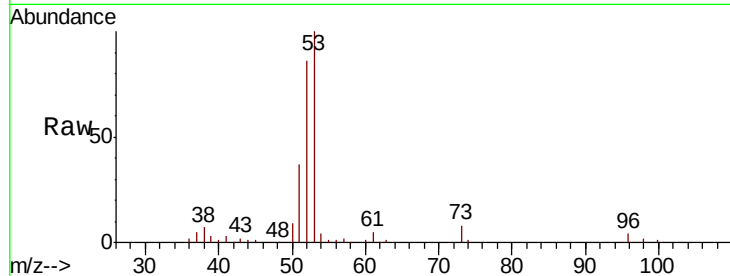
ClientSampled :

VN0801WBS01

Tot Ion:	53	Resp:	322633
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.9	29.3	43.9

Manual Integrations
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MMDadoda
8/2/2018 9:53:41 AM



#16

Acetone

Concen: 114.294 ug/l

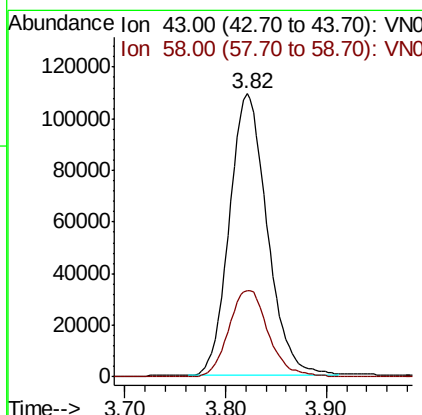
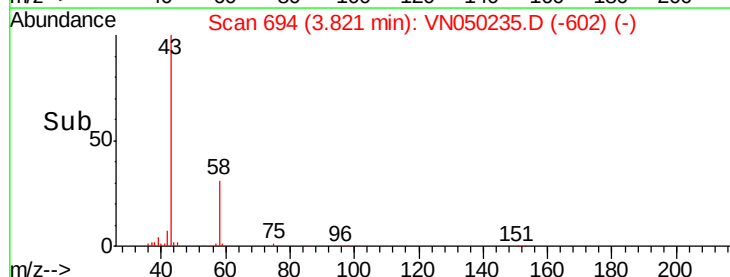
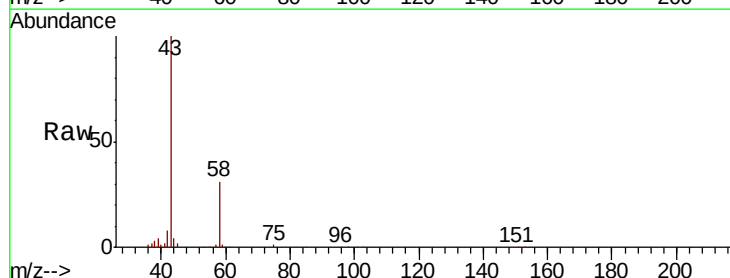
RT: 3.82 min Scan# 694

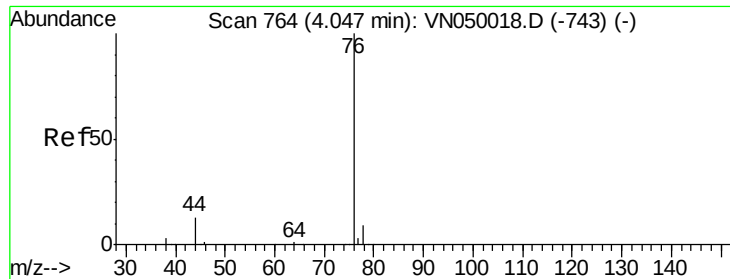
Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion:	43	Resp:	283621
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.8	38.8





#17

Carbon Disulfide

Concen: 16.793 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 76 Resp: 438675

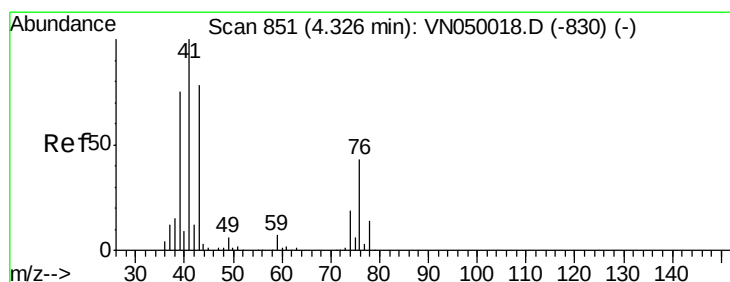
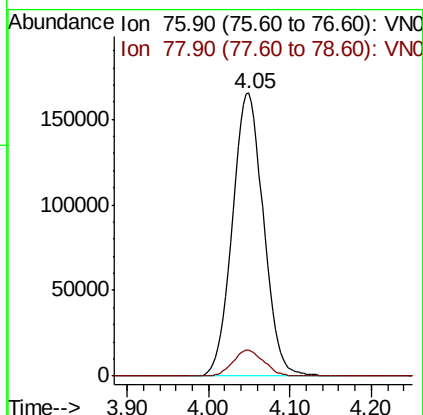
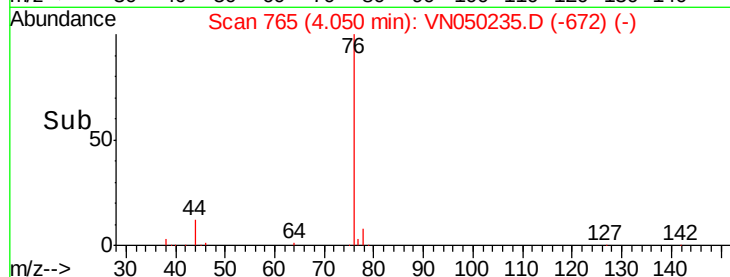
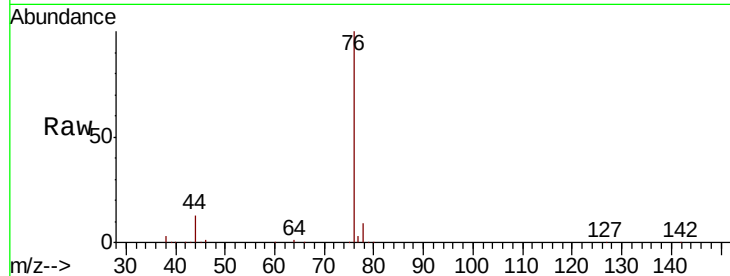
Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

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#18

Methyl Acetate

Concen: 23.896 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050235.D

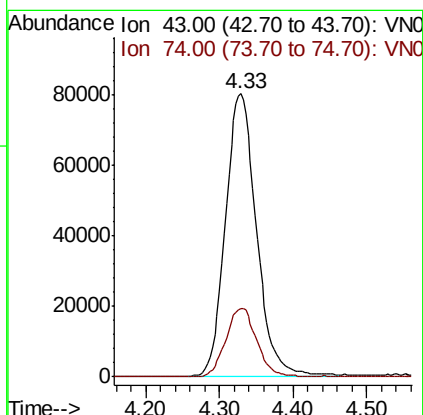
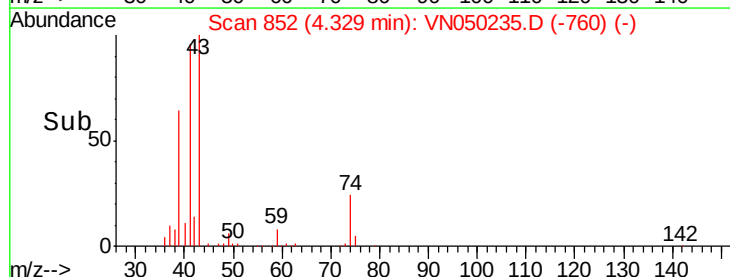
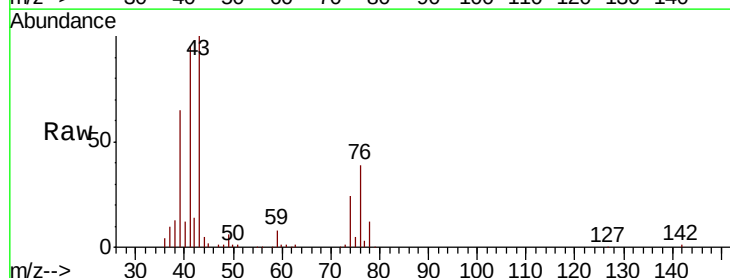
Acq: 1 Aug 2018 9:21

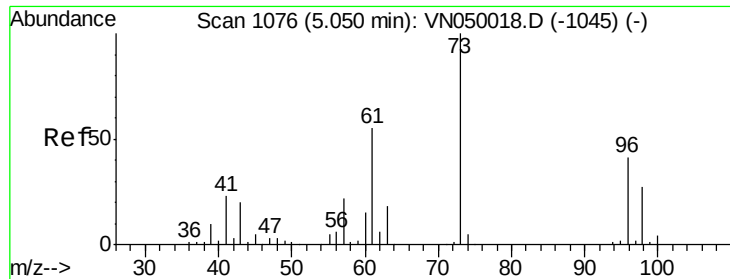
Tgt Ion: 43 Resp: 234026

Ion Ratio Lower Upper

43 100

74 24.2 19.2 28.8





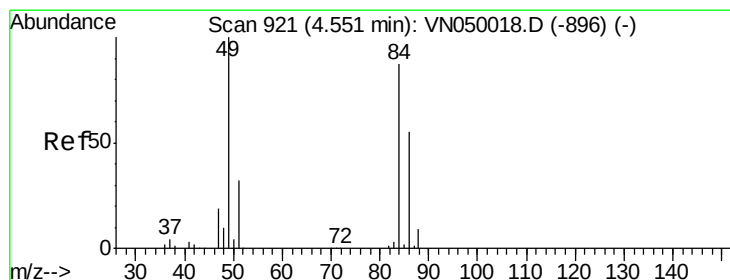
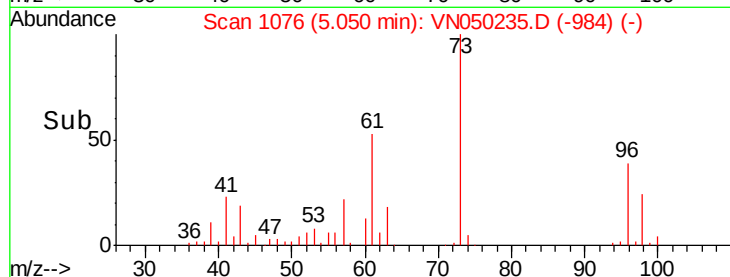
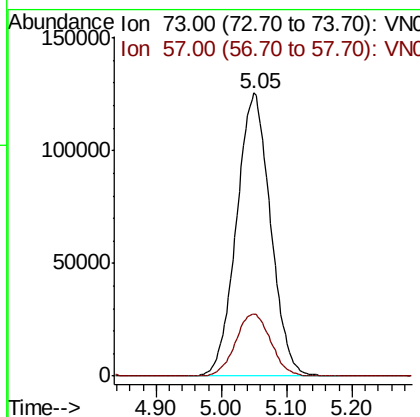
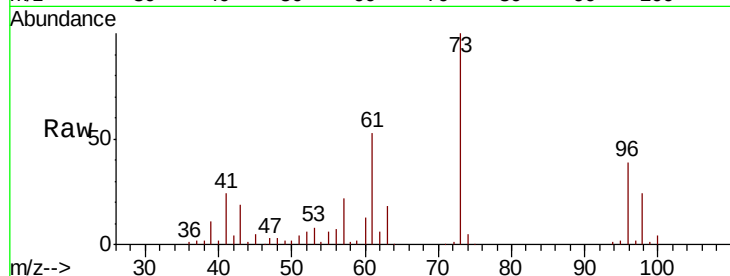
#19
Methvl tert-butyl Ether
Concen: 19.980 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion: 73 Resp: 454001
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

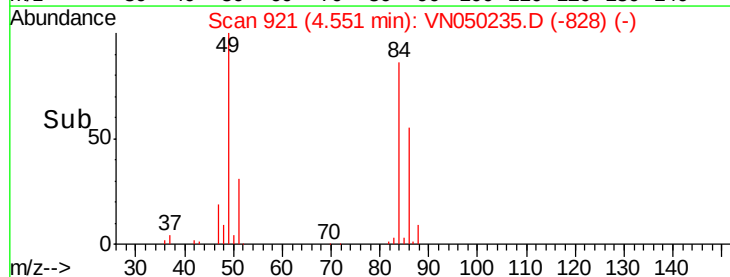
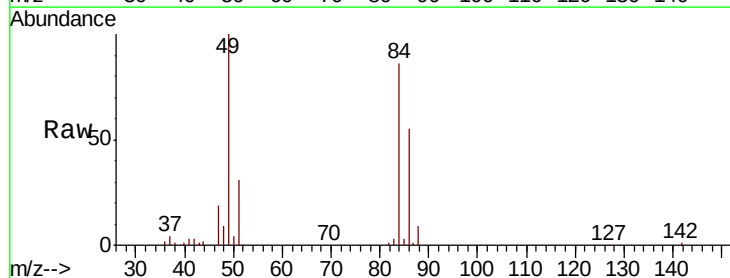
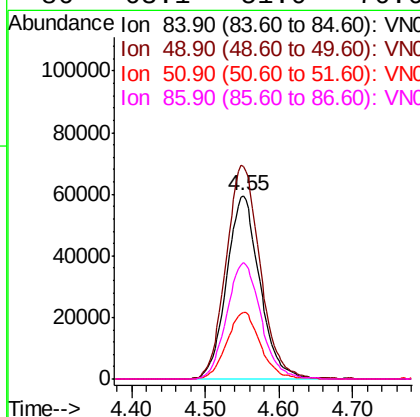
Manual Integrations
APPROVED

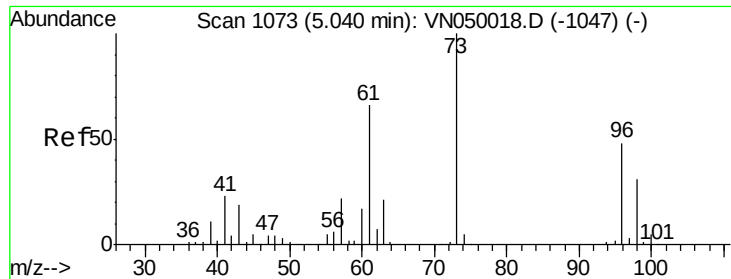
MMDadoda
8/2/2018 9:53:41 AM



#20
Methylene Chloride
Concen: 19.606 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 84 Resp: 186414
Ion Ratio Lower Upper
84 100
49 115.6 94.8 142.2
51 36.3 28.3 42.5
86 63.1 51.0 76.6





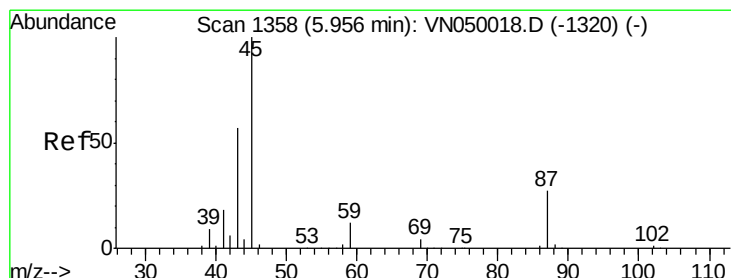
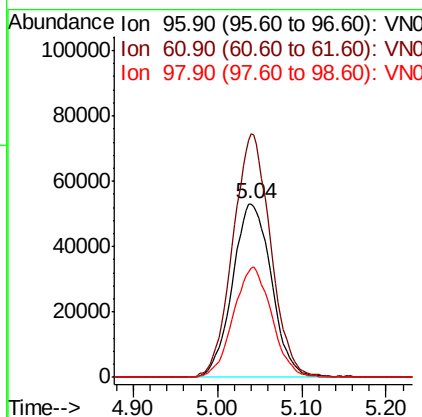
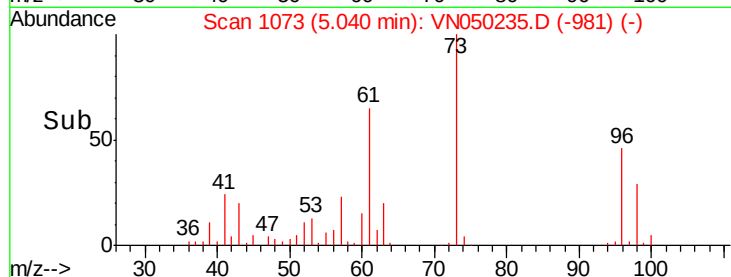
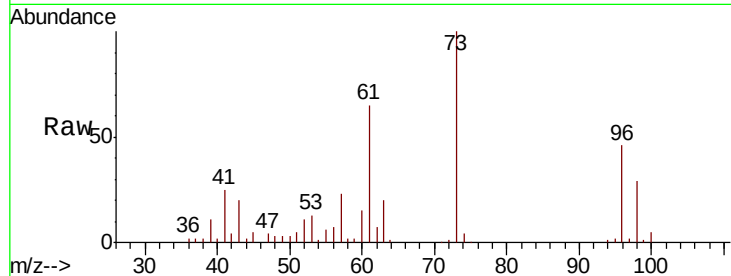
#21
trans-1,2-Dichloroethene
Concen: 18.851 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	110.7	166.1
98	62.8	51.6	77.4

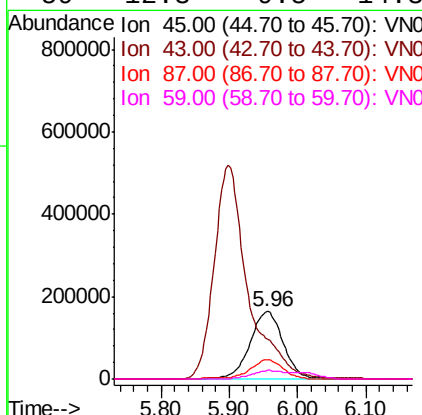
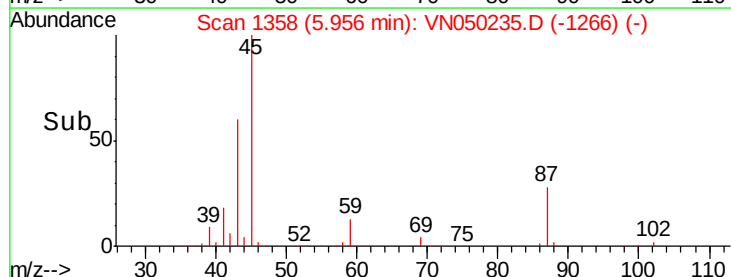
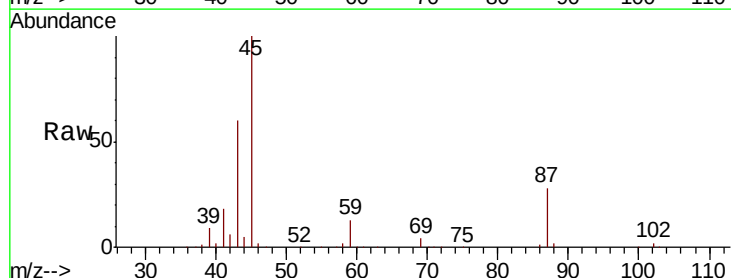
Manual Integrations
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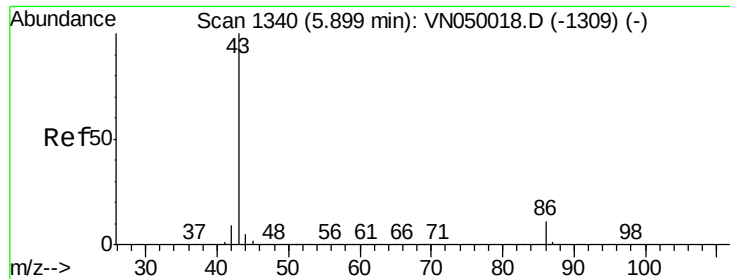
MMDadoda
8/2/2018 9:53:41 AM



#22
Diisopropyl ether
Concen: 21.084 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.7	68.5
87	28.2	22.7	34.1
59	12.3	9.5	14.3





#23

Vinyl Acetate

Concen: 96.339 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion: 43 Resp: 1784840

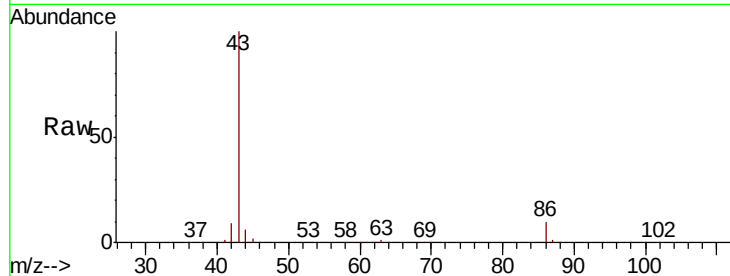
Ion Ratio Lower Upper

43 100

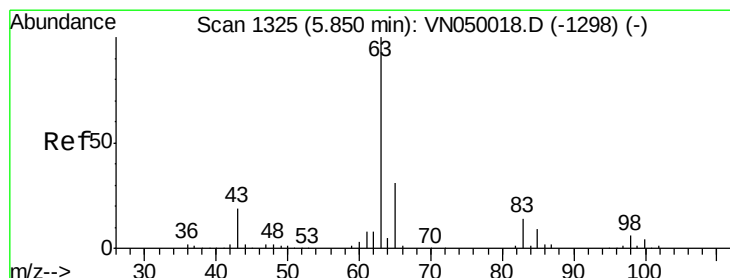
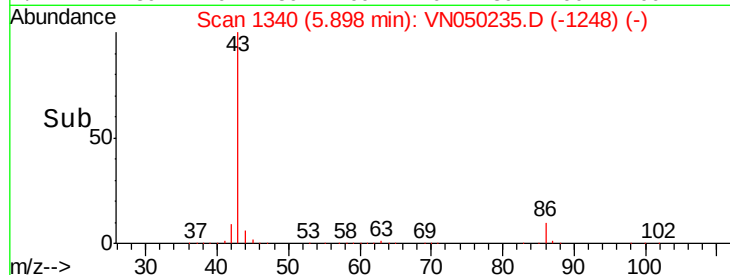
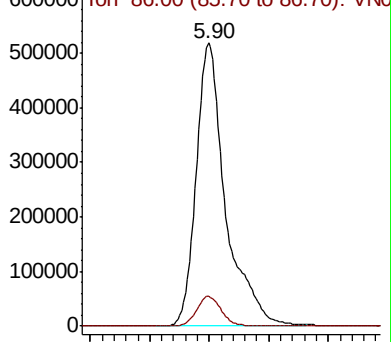
86 10.4 8.6 13.0

Manual Integrations
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MMDadoda
8/2/2018 9:53:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050235.D (-1248) (-)



#24

1,1-Dichloroethane

Concen: 19.235 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

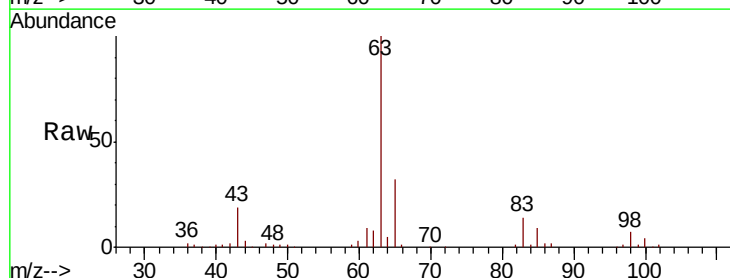
Tgt Ion: 63 Resp: 329742

Ion Ratio Lower Upper

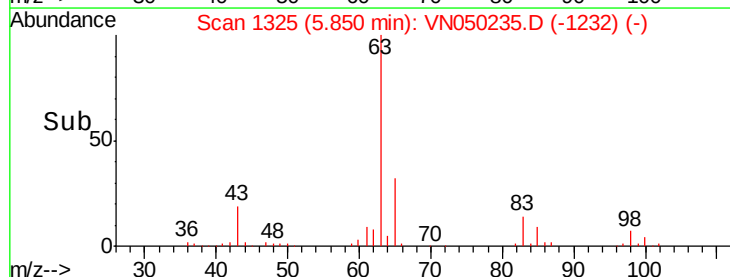
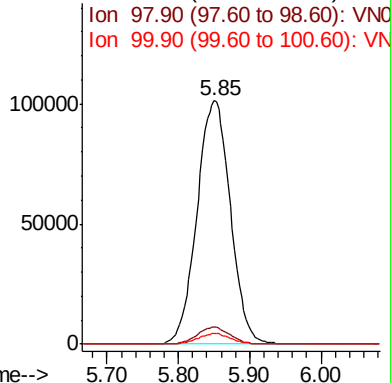
63 100

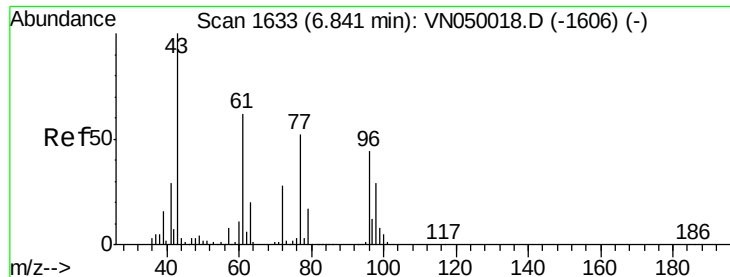
98 7.1 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050235.D (-1232) (-)





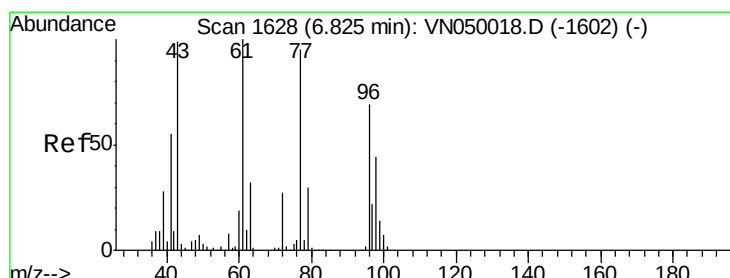
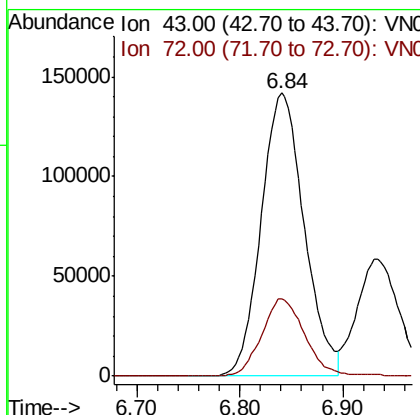
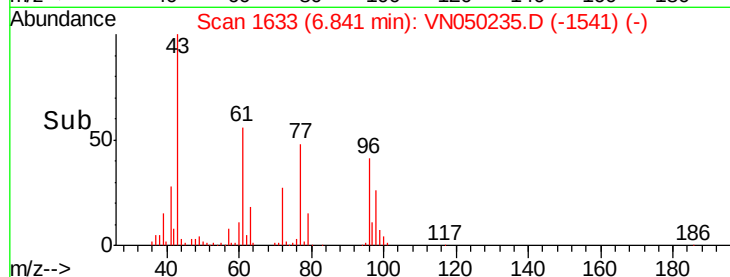
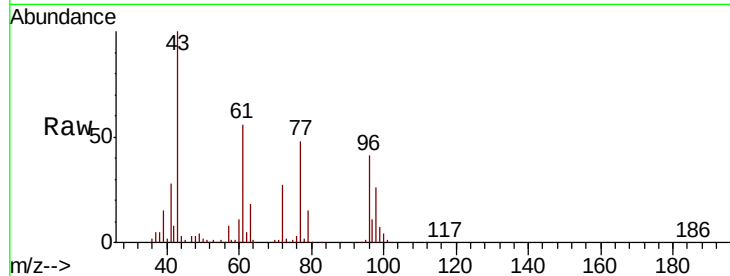
#25
2-Butanone
Concen: 104.142 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion: 43 Resp: 410022
Ion Ratio Lower Upper
43 100
72 27.3 21.5 32.3

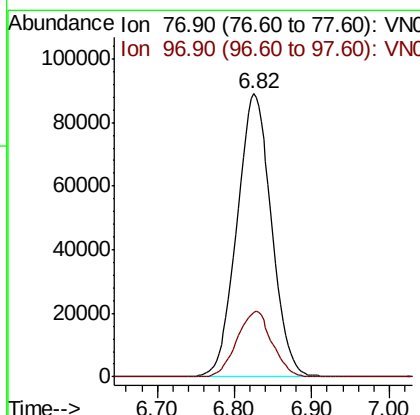
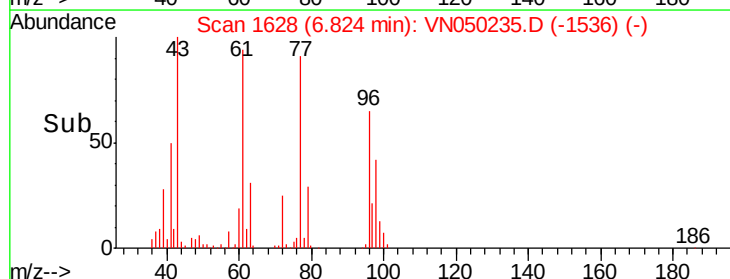
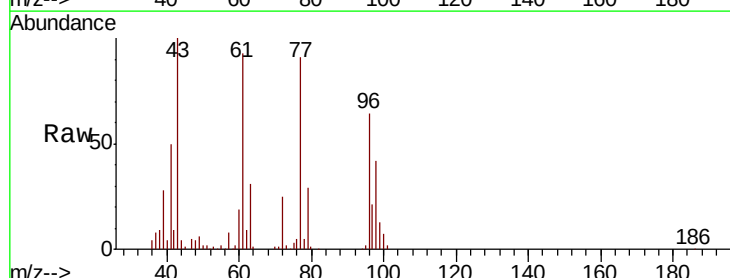
Manual Integrations
APPROVED

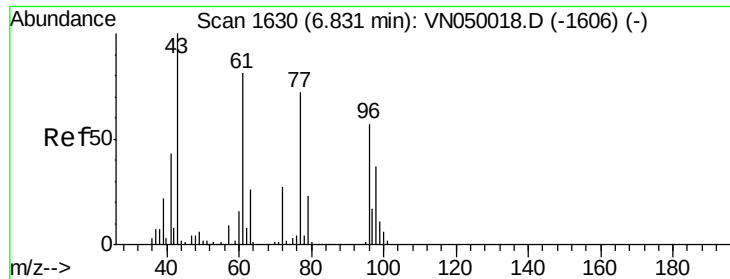
MMDadoda
8/2/2018 9:53:41 AM



#26
2,2-Dichloropropane
Concen: 21.159 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 77 Resp: 275951
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





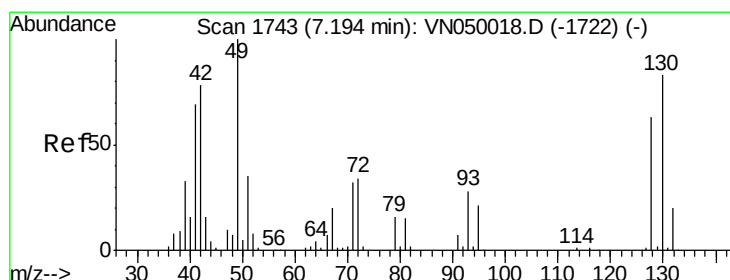
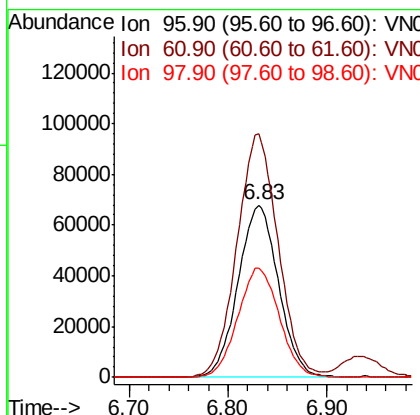
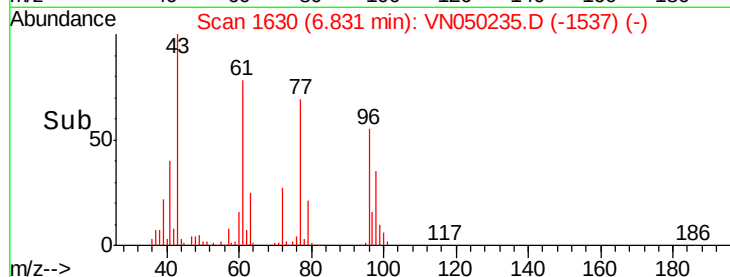
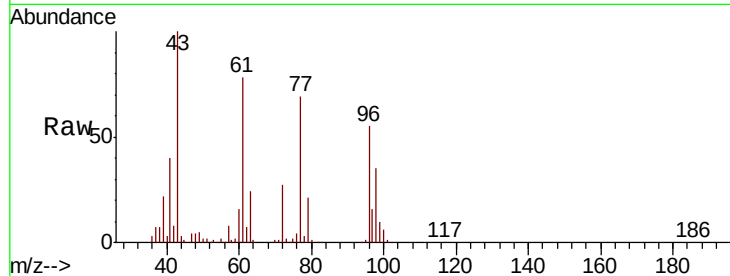
#27
 cis-1,2-Dichloroethene
 Concen: 19.787 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	192449		
61	143.8	0.0	285.0	
98	65.4	0.0	129.2	

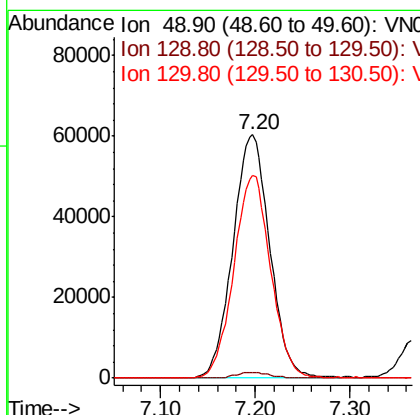
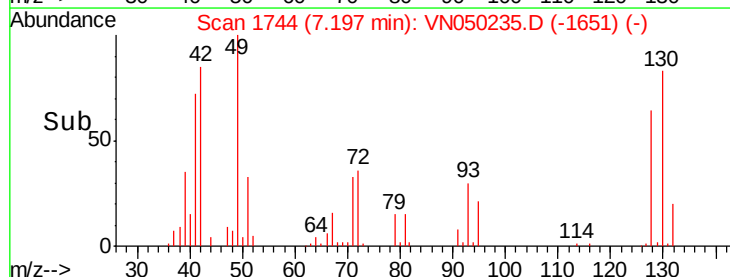
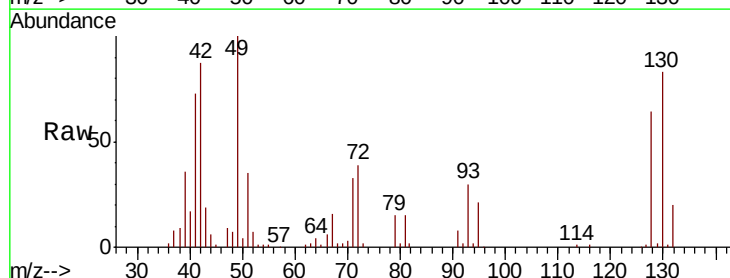
Manual Integrations
 APPROVED

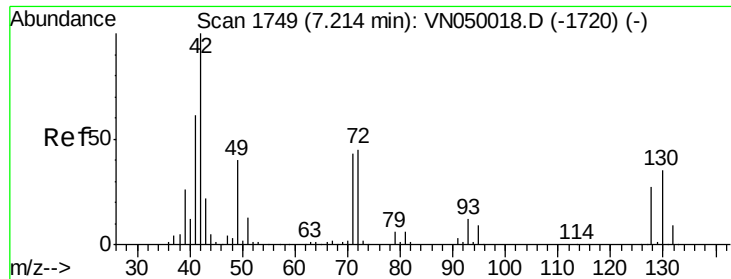
MMDadoda
 8/2/2018 9:53:41 AM



#28
 Bromochloromethane
 Concen: 20.895 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	163383		
129	2.2	0.0	4.0	
130	83.3	66.3	99.5	





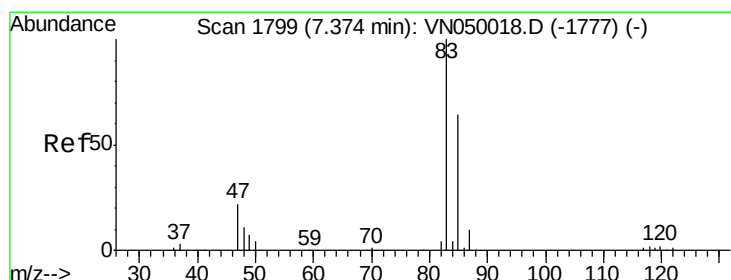
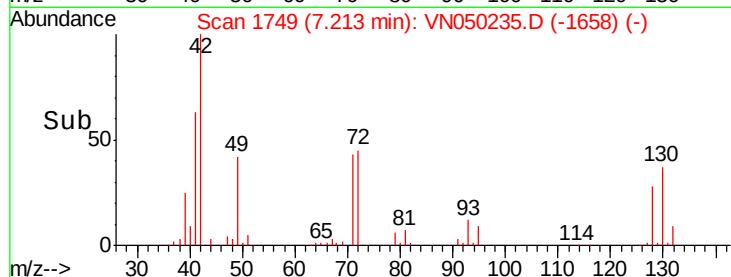
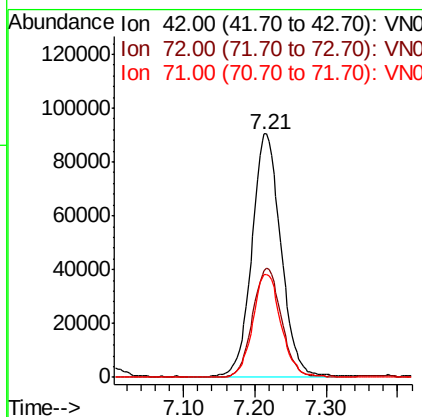
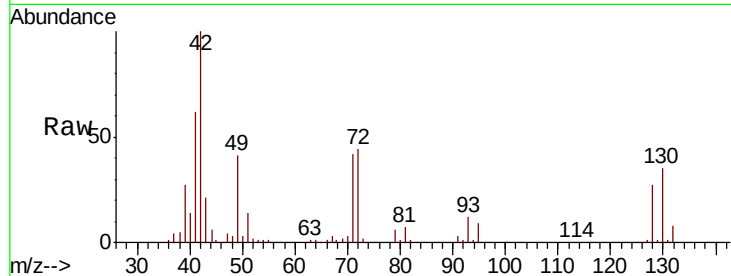
#29
Tetrahydrofuran
Concen: 100.106 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.9	53.9
71	41.3	33.7	50.5

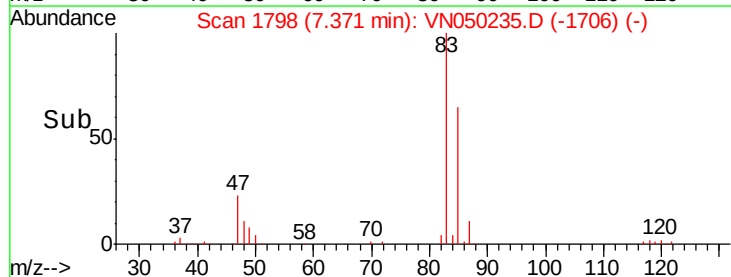
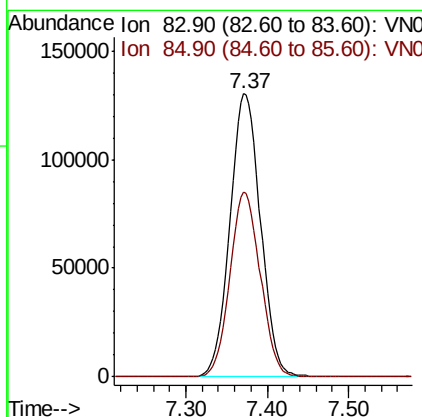
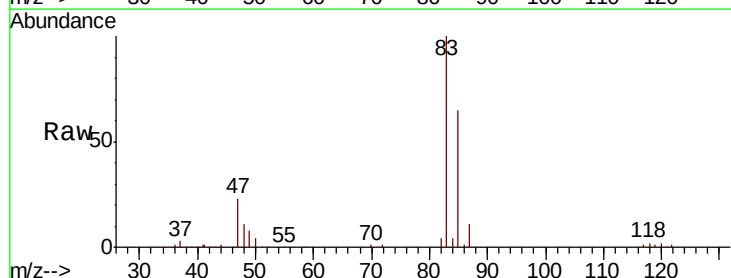
Manual Integrations
APPROVED

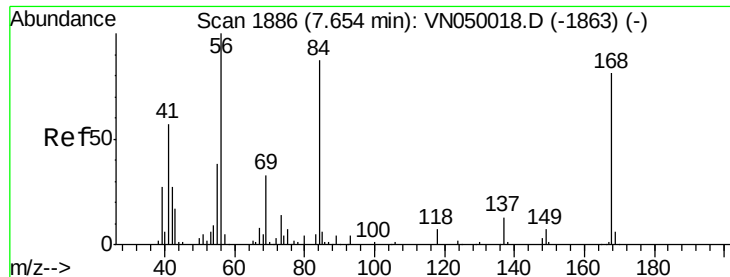
MMDadoda
8/2/2018 9:53:41 AM



#30
Chloroform
Concen: 19.501 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





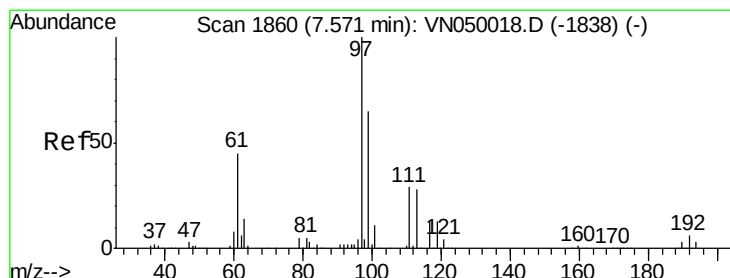
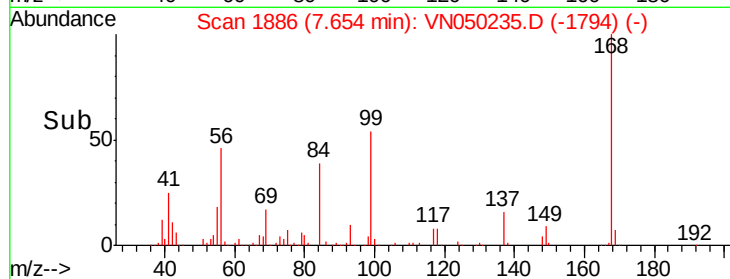
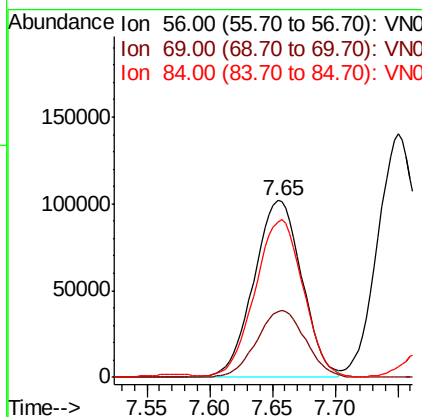
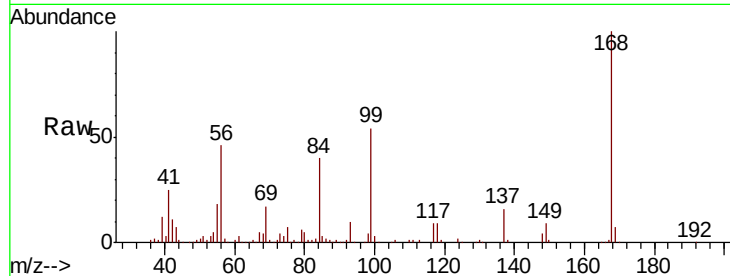
#31
Cyclohexane
Concen: 19.073 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.2	39.4
84	87.0	67.4	101.0

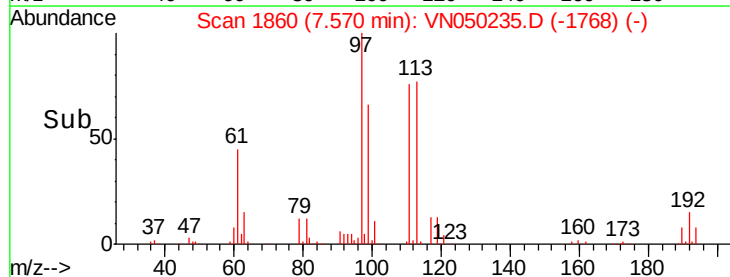
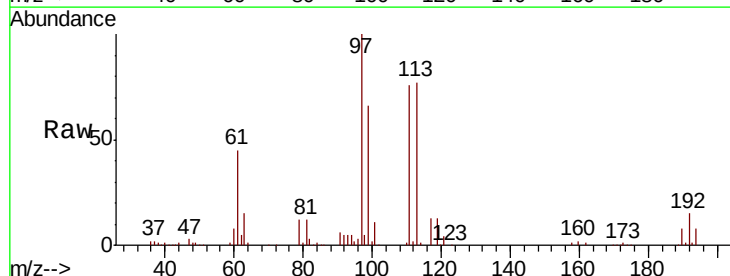
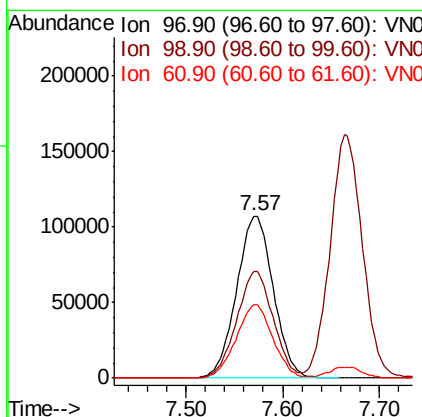
Manual Integrations
APPROVED

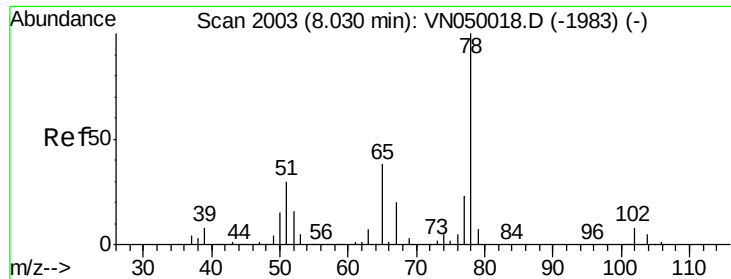
MMDadoda
8/2/2018 9:53:41 AM



#32
1,1,1-Trichloroethane
Concen: 18.902 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.0
61	45.2	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 48.497 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion: 65 Resp: 500591

Ion Ratio Lower Upper

65 100

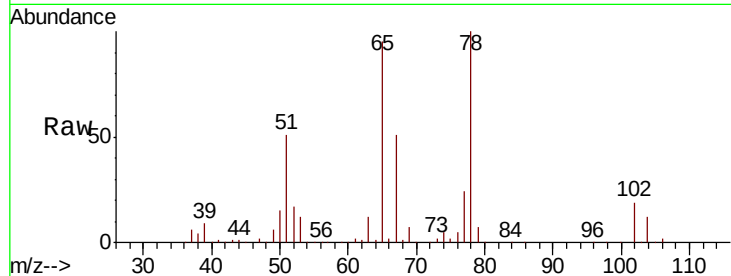
67 53.9 0.0 108.4

Manual Integrations

APPROVED

MMDadoda

8/2/2018 9:53:41 AM



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

250000

200000

150000

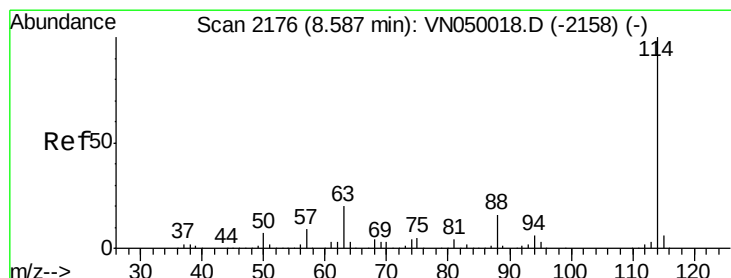
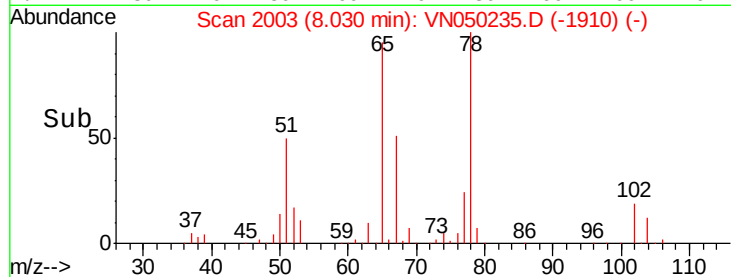
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

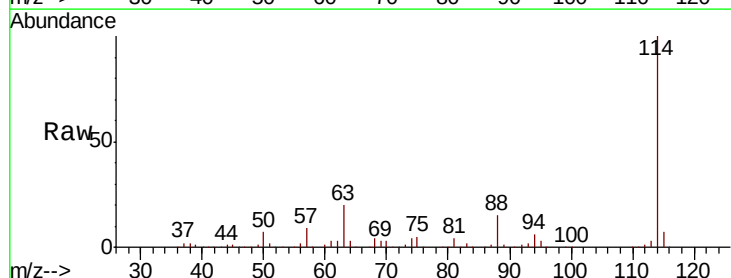
Tgt Ion: 114 Resp: 1079950

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

600000

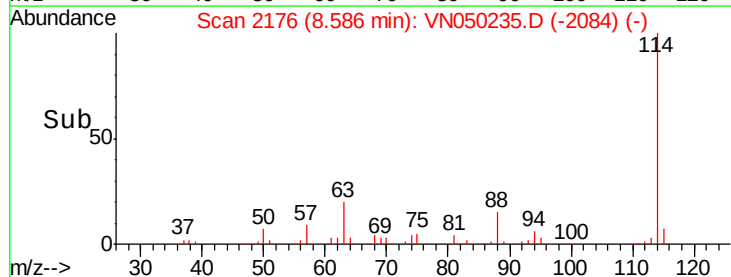
400000

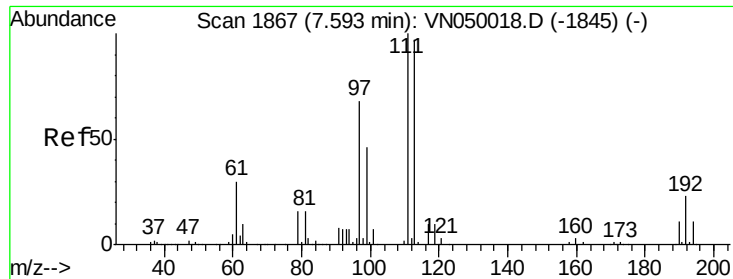
200000

0

8.50 8.60 8.70

Time-->





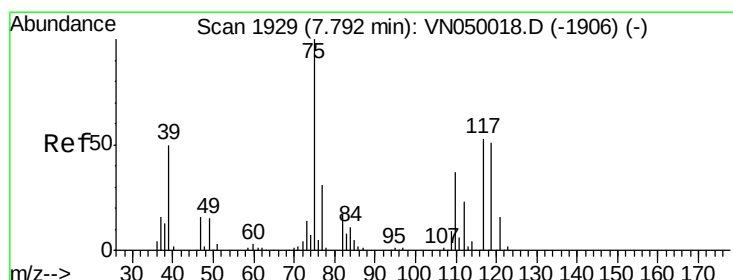
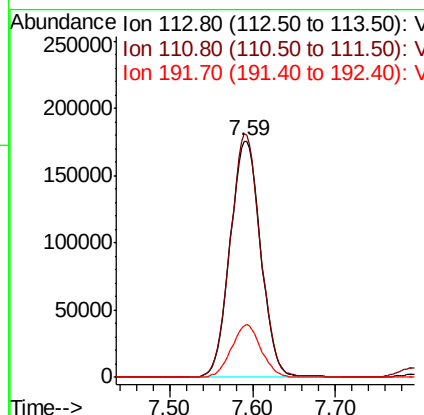
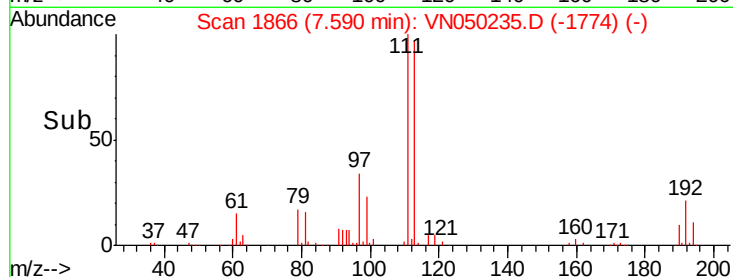
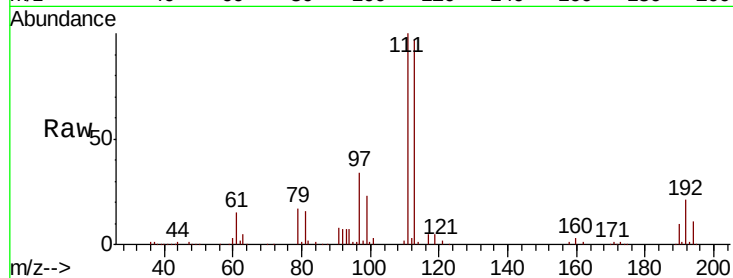
#35
 Dibromofluoromethane
 Concen: 51.353 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.3	80.7	121.1	
192	21.6	17.8	26.6	

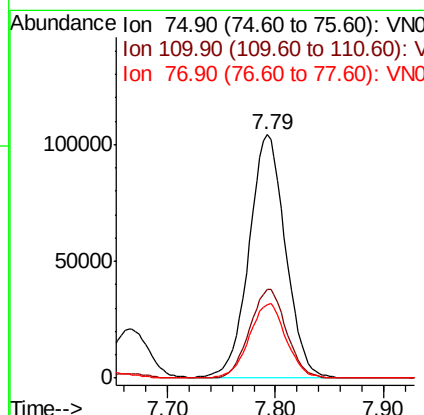
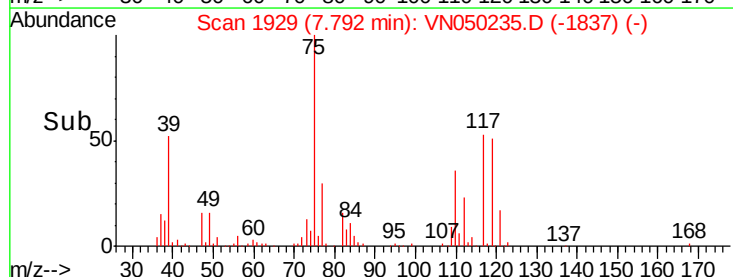
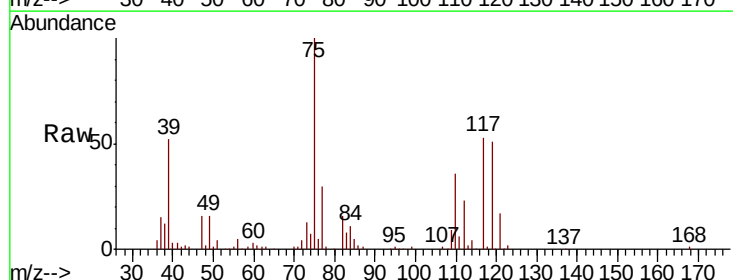
Manual Integrations
 APPROVED

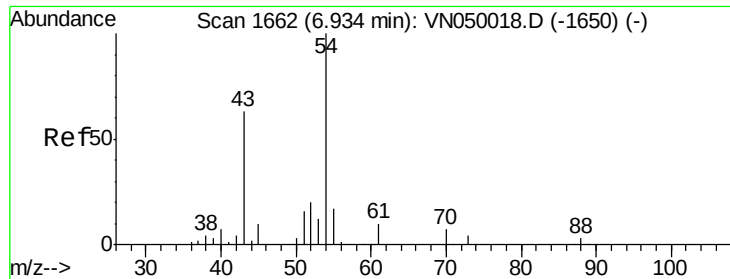
MMDadoda
 8/2/2018 9:53:41 AM



#36
 1,1-Dichloropropene
 Concen: 19.996 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	18.4	55.2	
77	31.2	25.3	37.9	





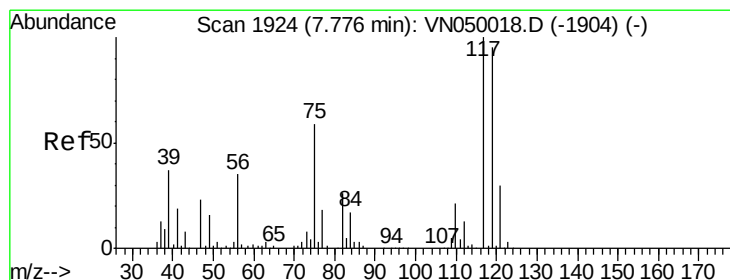
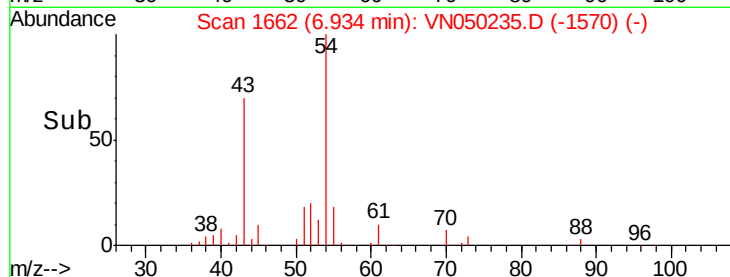
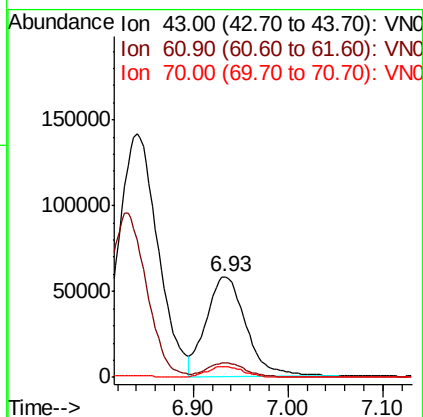
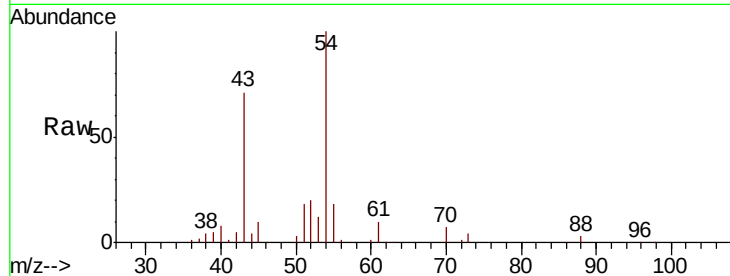
#37
Ethyl Acetate
Concen: 19.963 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.8
70	10.4	8.4	12.6

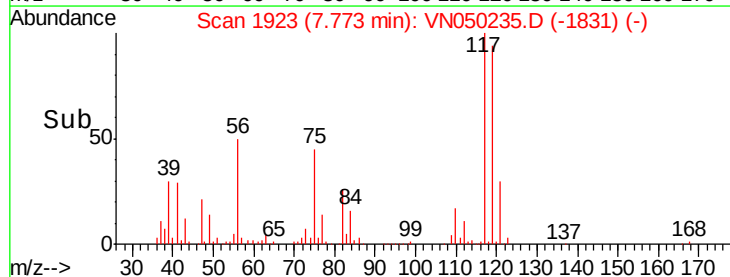
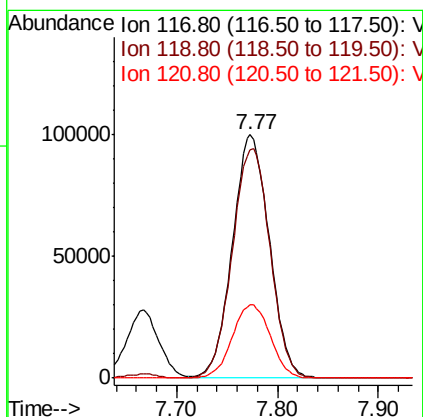
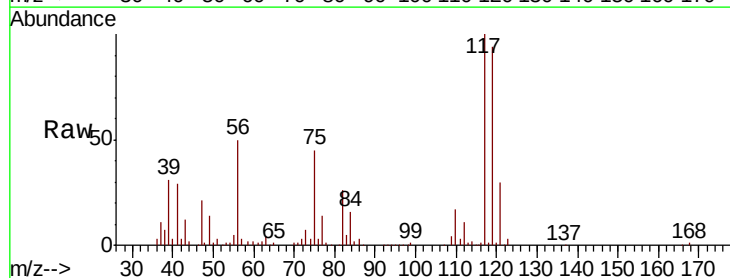
Manual Integrations
APPROVED

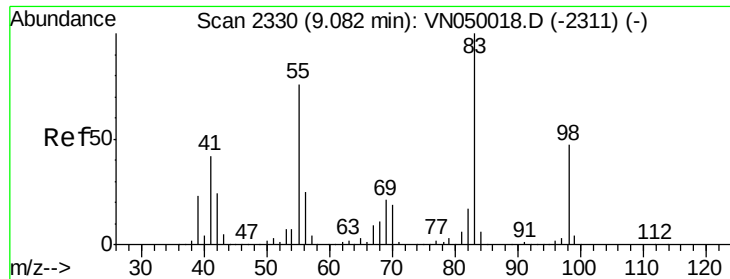
MMDadoda
8/2/2018 9:53:41 AM



#38
Carbon Tetrachloride
Concen: 19.678 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.4	116.0
121	30.0	23.9	35.9





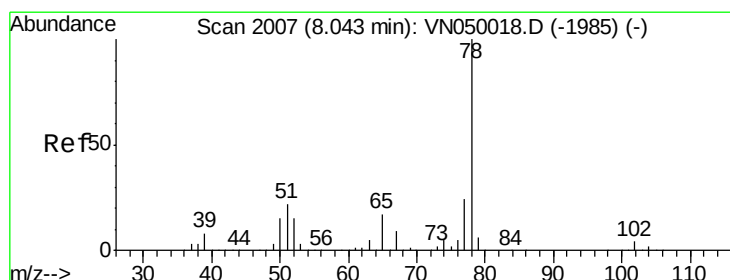
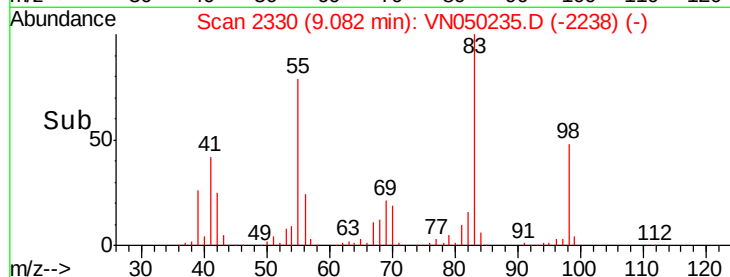
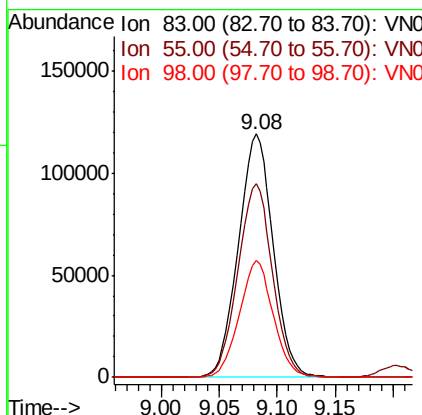
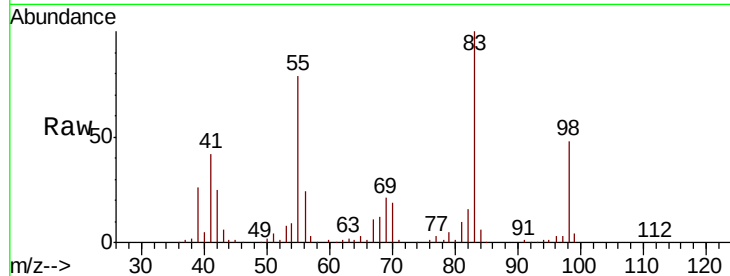
#39
Methylvlcyclohexane
Concen: 19.830 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248204		
55	79.4	61.8	92.8	
98	48.1	36.5	54.7	

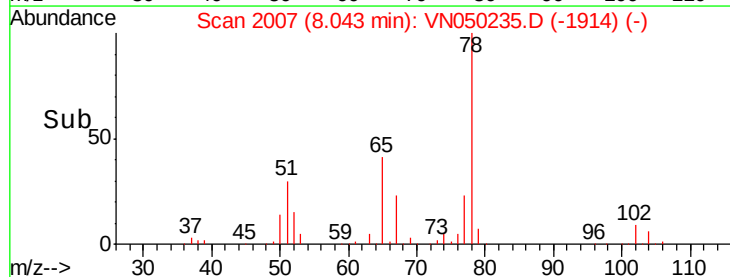
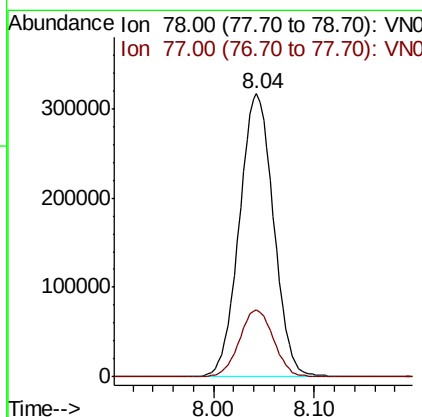
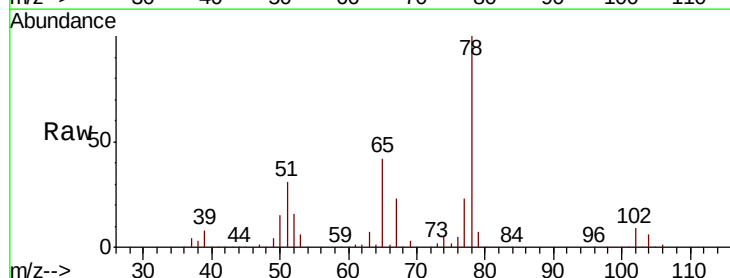
Manual Integrations
APPROVED

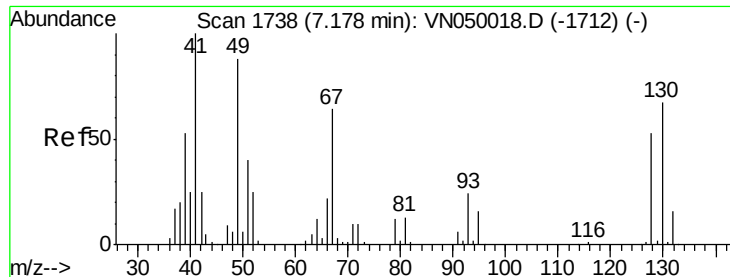
MMDadoda
8/2/2018 9:53:41 AM



#40
Benzene
Concen: 20.055 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	742508		
77	23.5	18.7	28.1	





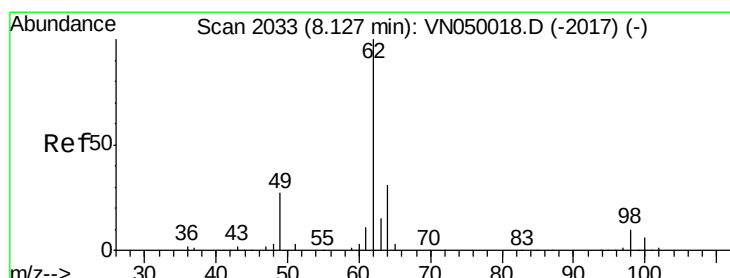
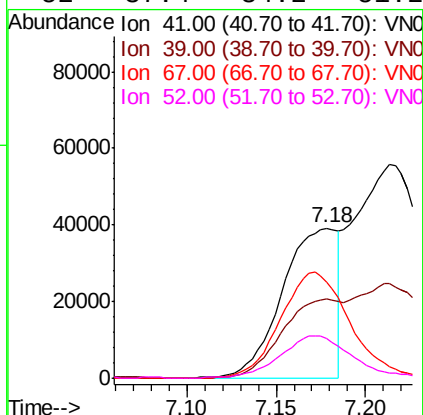
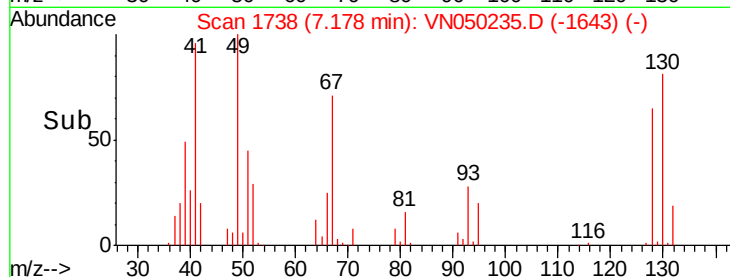
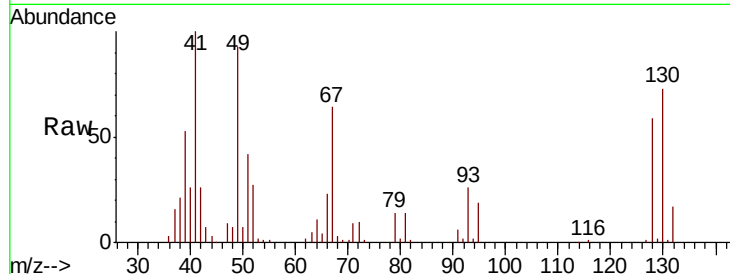
#41
Methacrylonitrile
Concen: 20.845 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	41	Resp	84606
Ion	Ratio	Lower	Upper
41	100		
39	57.4	55.8	83.6
67	88.9	84.3	126.5
52	37.4	34.2	51.2

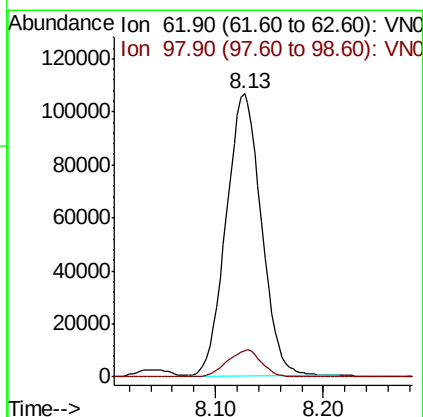
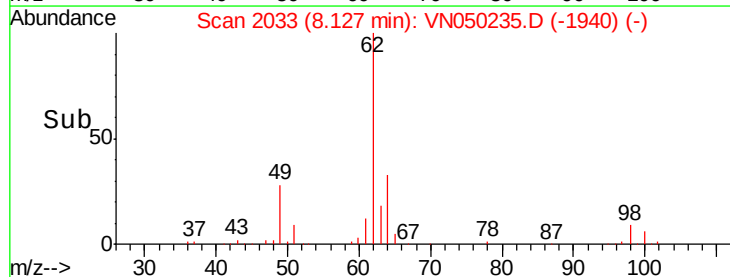
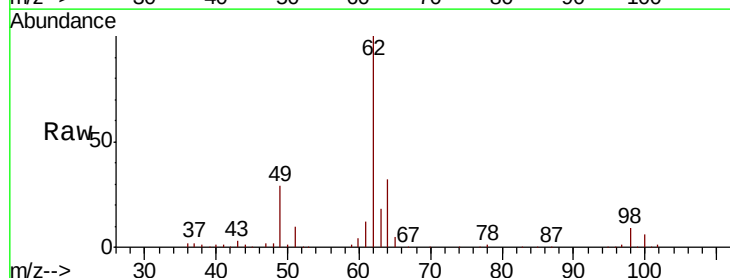
Manual Integrations
APPROVED

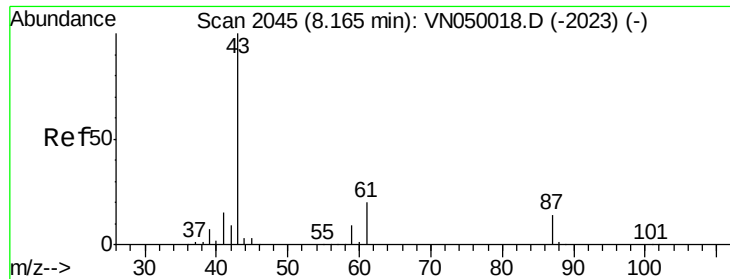
MMDadoda
8/2/2018 9:53:41 AM



#42
1,2-Dichloroethane
Concen: 19.622 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	62	Resp	242367
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.8





#43

Isopropyl Acetate

Concen: 20.551 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

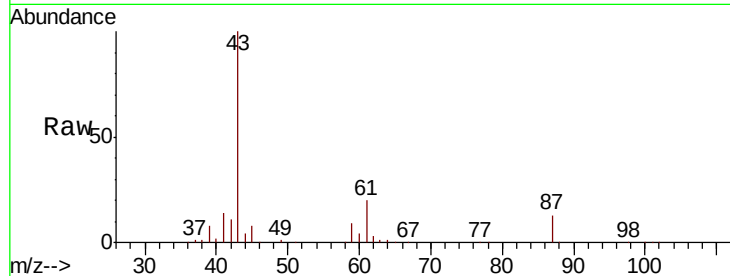
ClientSampleId :

VN0801WBS01

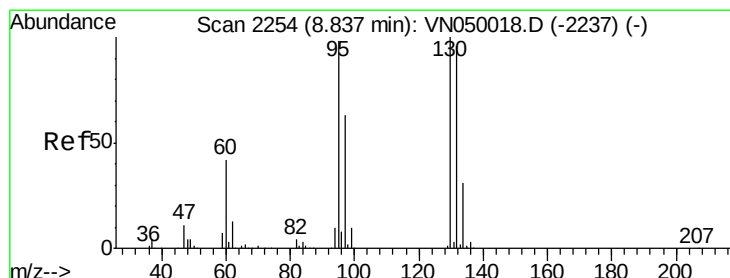
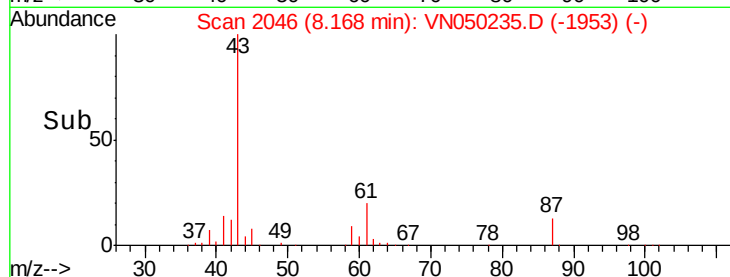
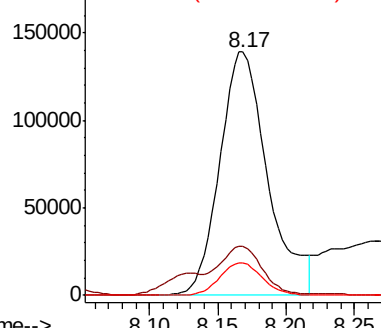
Tot Ion:	43	Resp:	339247
Ion Ratio	Lower	Upper	
43	100		
61	17.0	15.8	23.6
87	11.9	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:53:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 19.727 ug/l

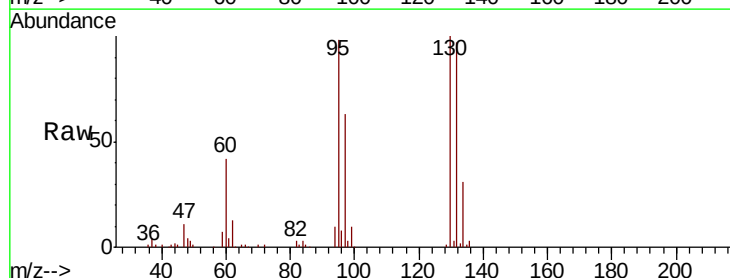
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

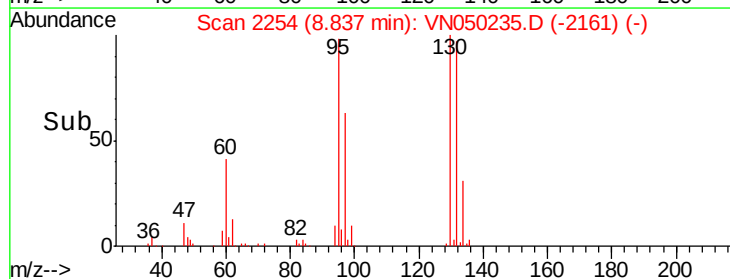
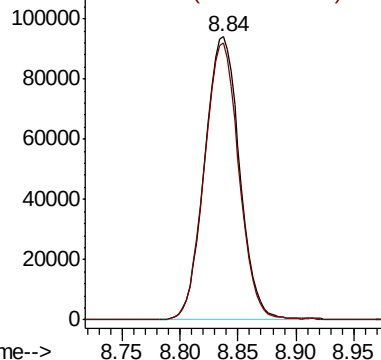
Lab File: VN050235.D

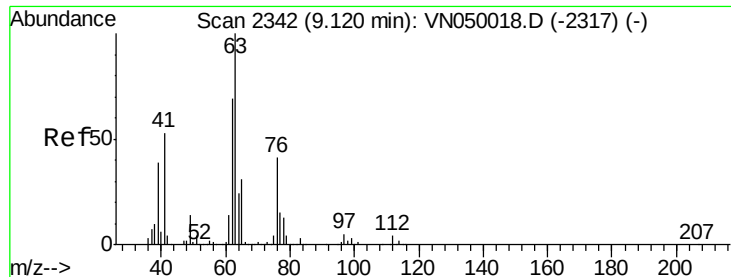
Acq: 1 Aug 2018 9:21

Tgt Ion:	130	Resp:	196255
Ion Ratio	Lower	Upper	
130	100		
95	97.9	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)





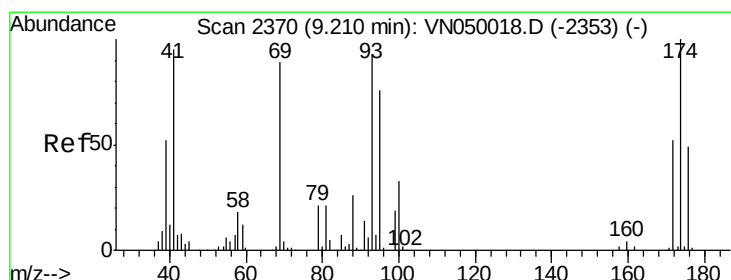
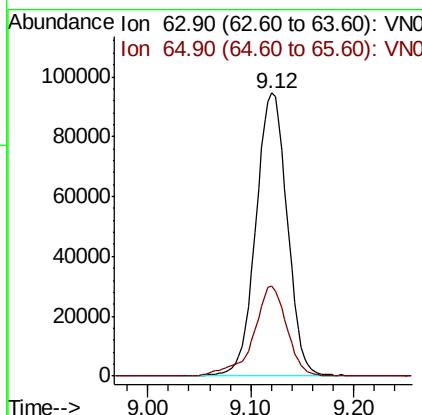
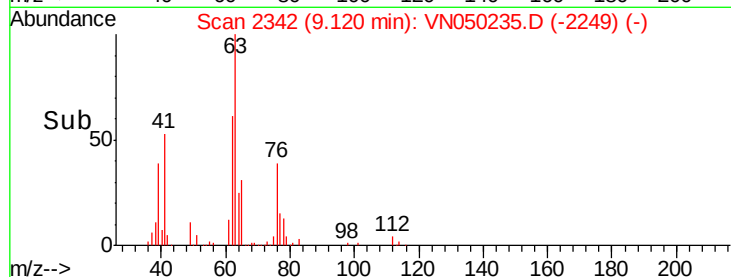
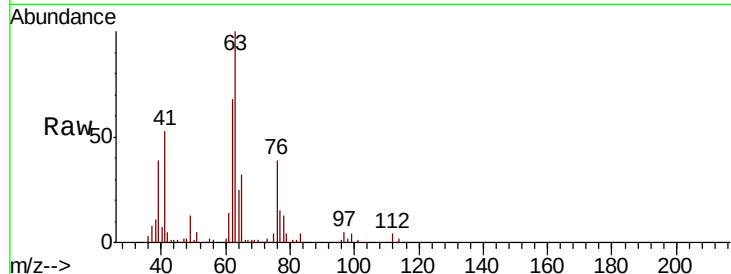
#45
 1,2-Dichloropropane
 Concen: 20.329 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.5	38.3

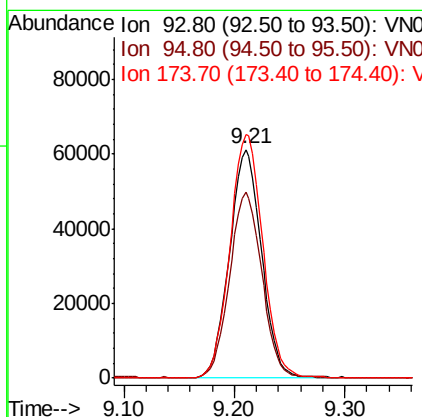
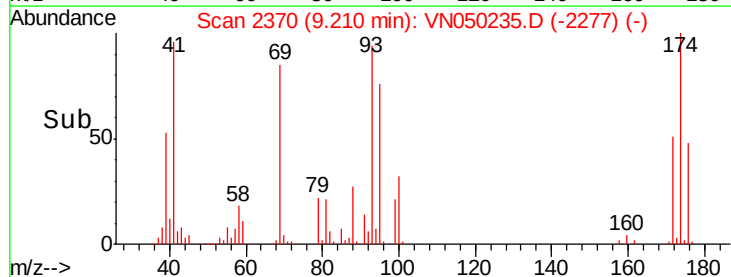
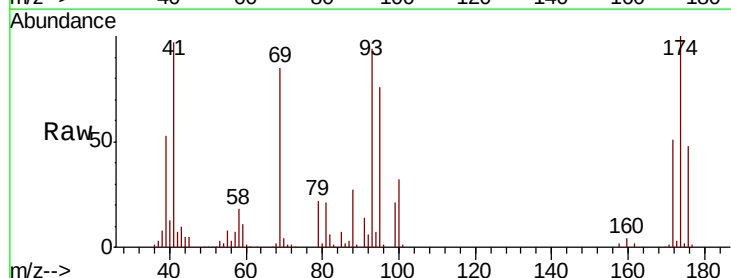
Manual Integrations
 APPROVED

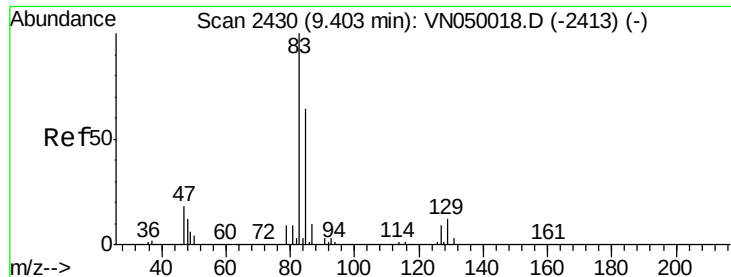
MMDadoda
 8/2/2018 9:53:41 AM



#46
 Dibromomethane
 Concen: 20.315 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.6	100.0
174	109.0	87.1	130.7





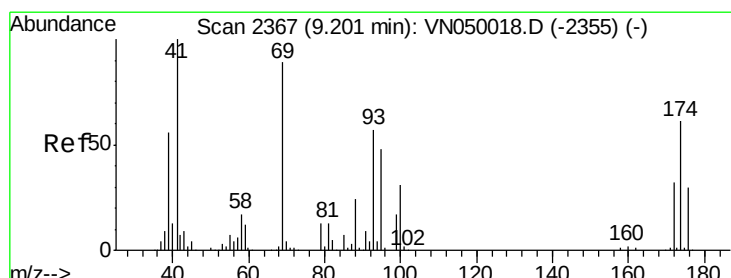
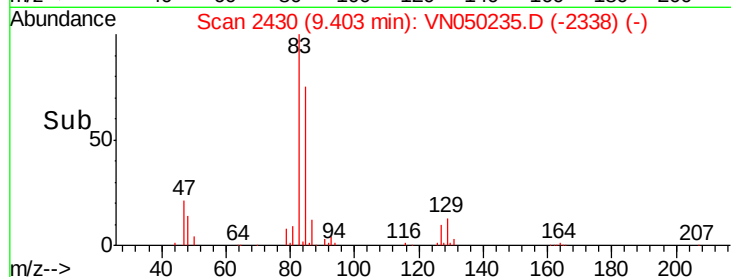
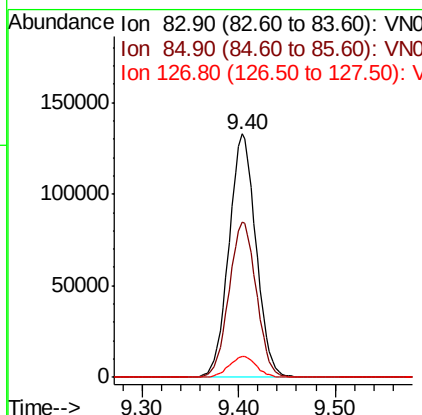
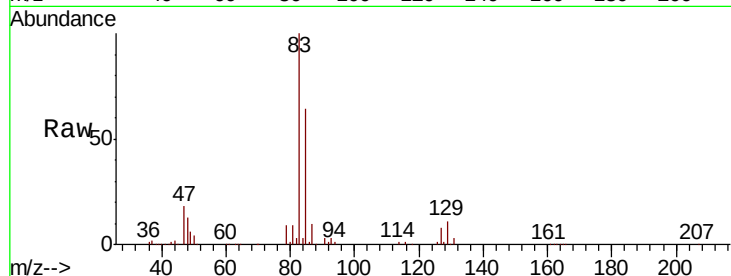
#47
Bromodichloromethane
Concen: 20.063 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	257843		
85	63.6		51.1	76.7
127	8.5		7.0	10.4

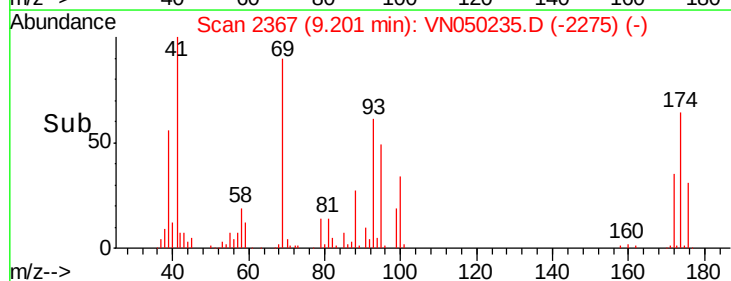
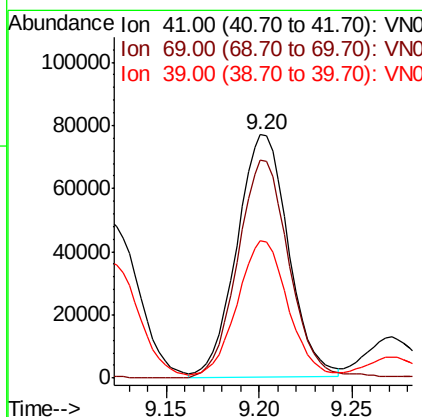
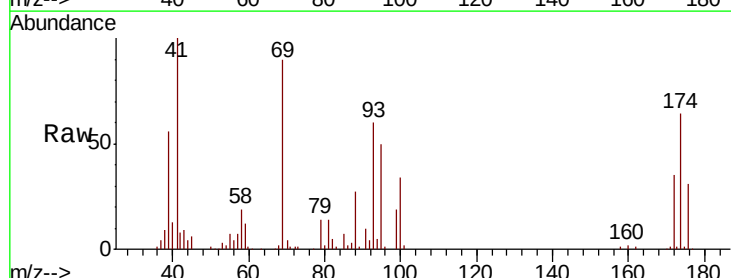
Manual Integrations
APPROVED

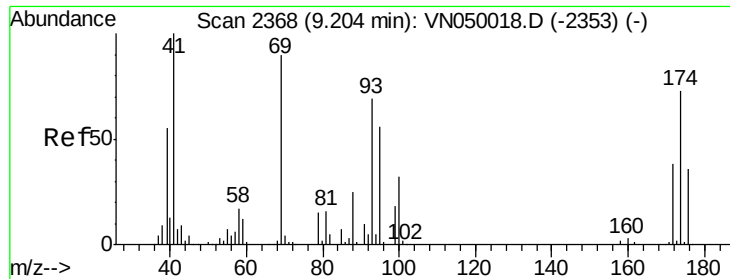
MMDadoda
8/2/2018 9:53:41 AM



#48
Methyl methacrylate
Concen: 20.380 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	148894		
69	90.6		70.6	105.8
39	55.8		43.9	65.9





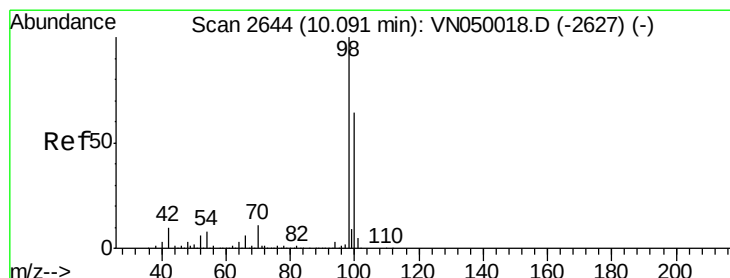
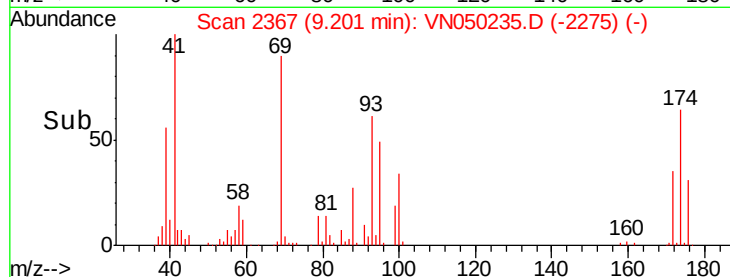
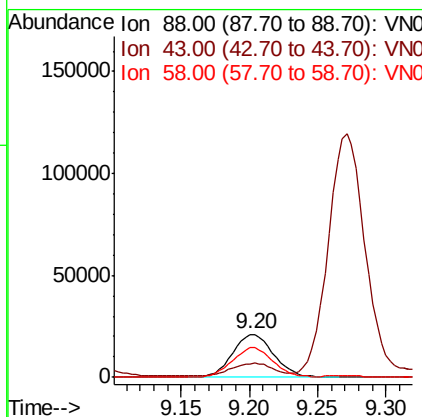
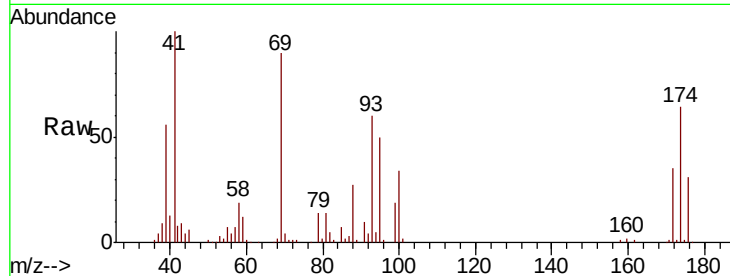
#49
 1,4-Dioxane
 Concen: 445.657 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	88	Resp	44309
Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.9	40.3
58	67.9	57.3	85.9

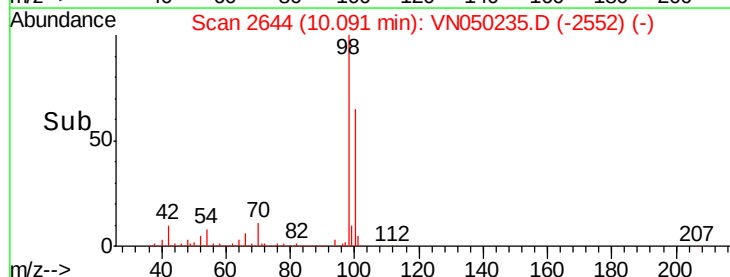
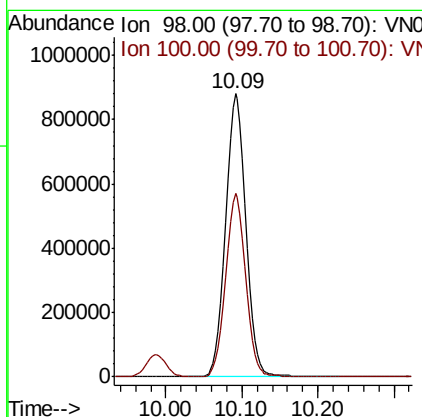
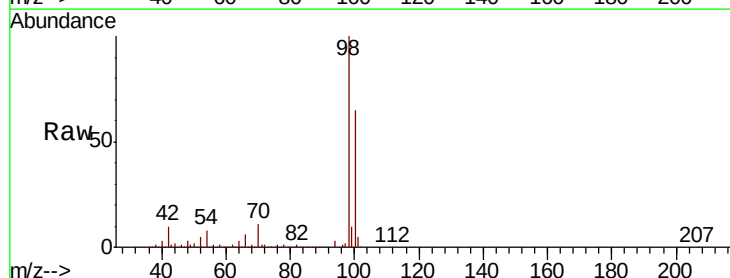
Manual Integrations
 APPROVED

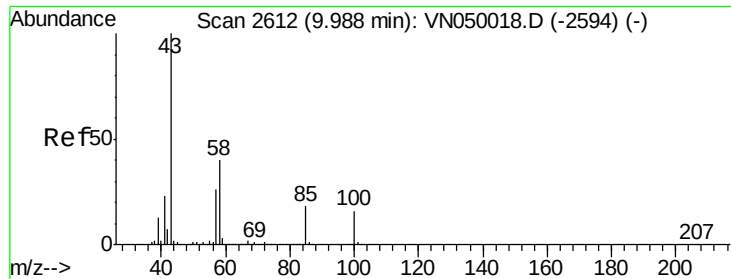
MMDadoda
 8/2/2018 9:53:41 AM



#50
 Toluene-d8
 Concen: 50.752 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	98	Resp	1645205
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1





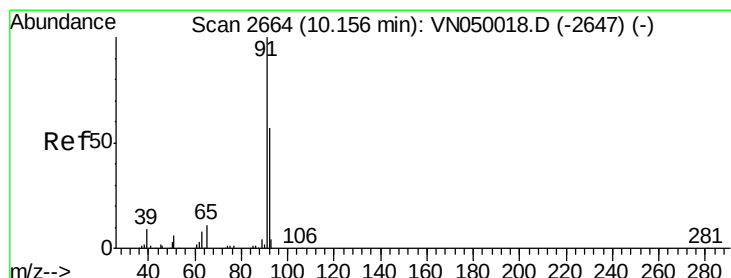
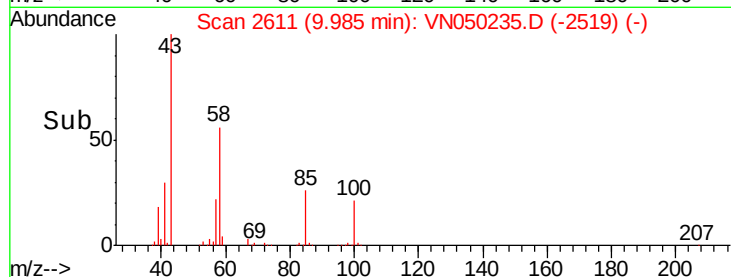
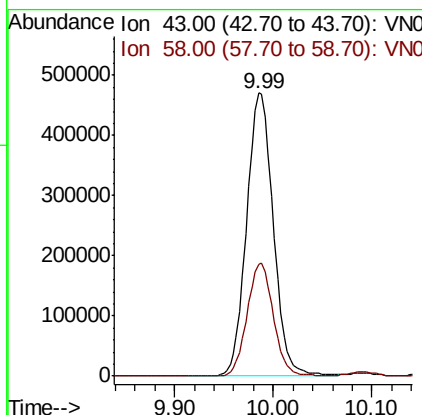
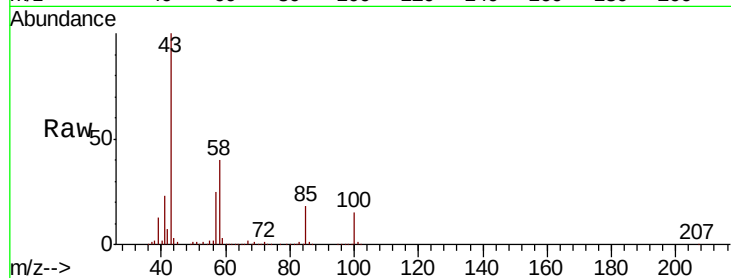
#51
4-Methyl-2-Pentanone
Concen: 104.947 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion: 43 Resp: 875173
Ion Ratio Lower Upper
43 100
58 39.4 31.9 47.9

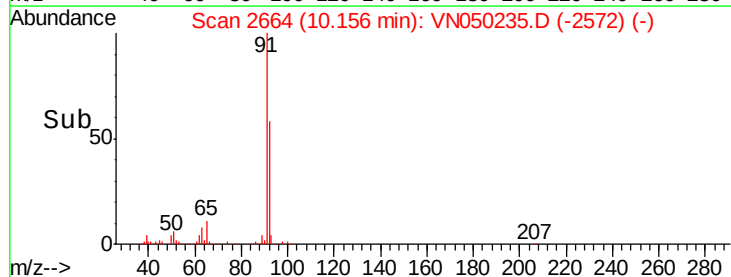
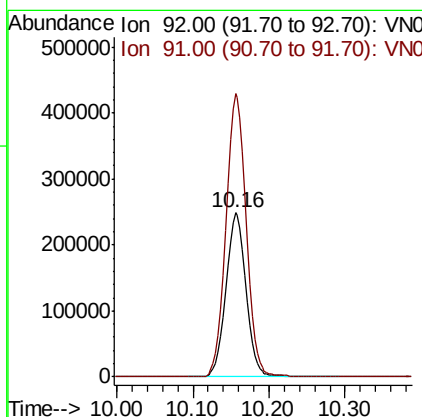
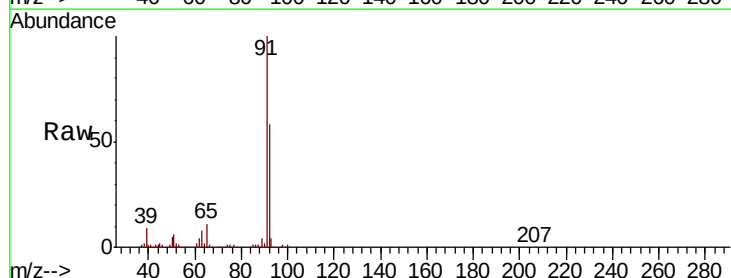
Manual Integrations
APPROVED

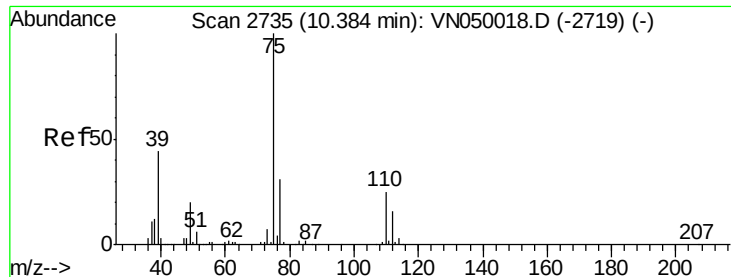
MMDadoda
8/2/2018 9:53:41 AM



#52
Toluene
Concen: 21.078 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 92 Resp: 460650
Ion Ratio Lower Upper
92 100
91 173.1 140.3 210.5





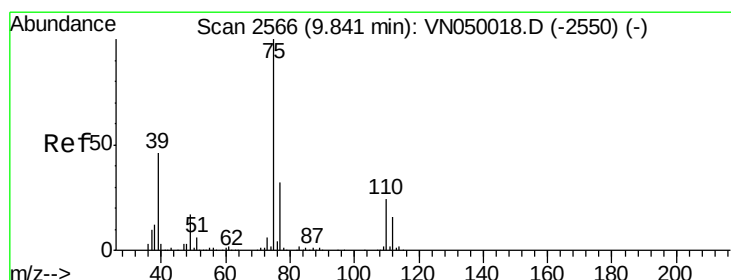
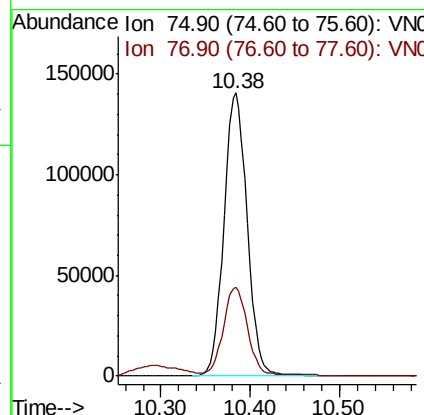
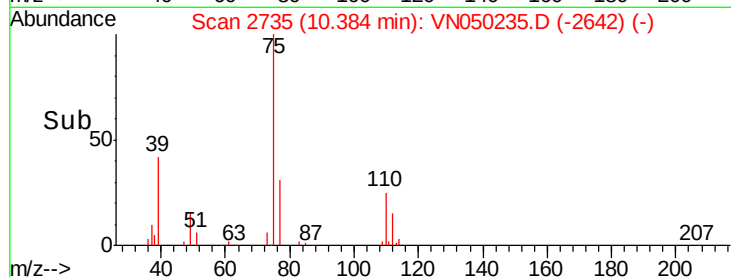
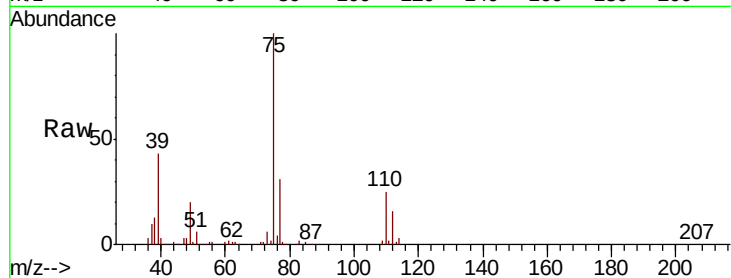
#53
t-1,3-Dichloropropene
Concen: 20.969 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.9	37.3

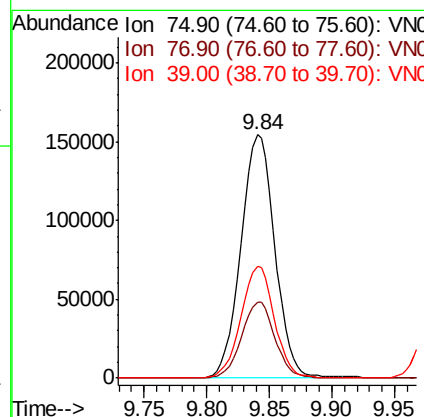
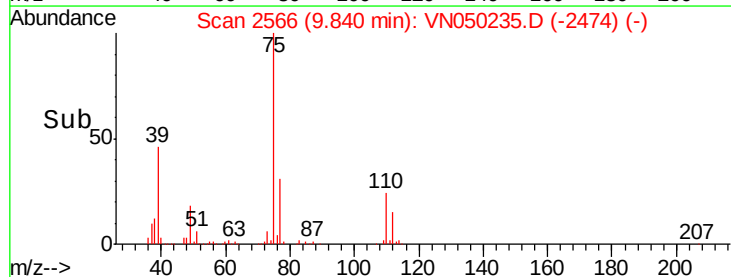
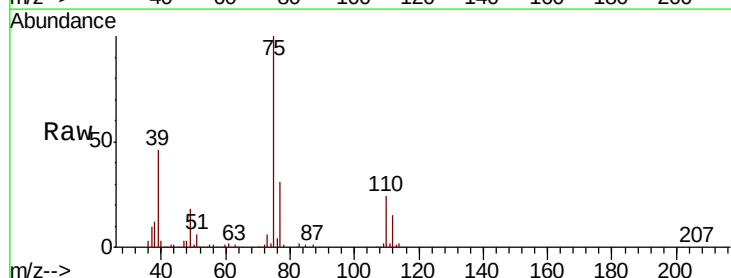
Manual Integrations
APPROVED

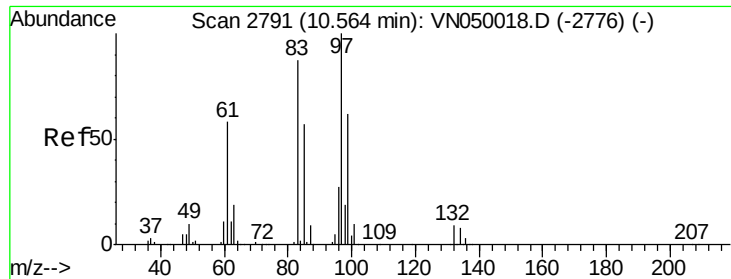
MMDadoda
8/2/2018 9:53:41 AM



#54
cis-1,3-Dichloropropene
Concen: 20.910 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	45.8	36.6	55.0





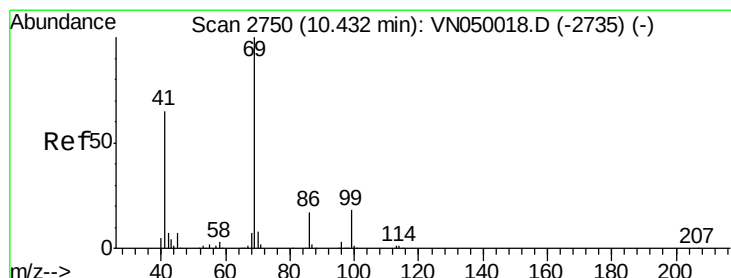
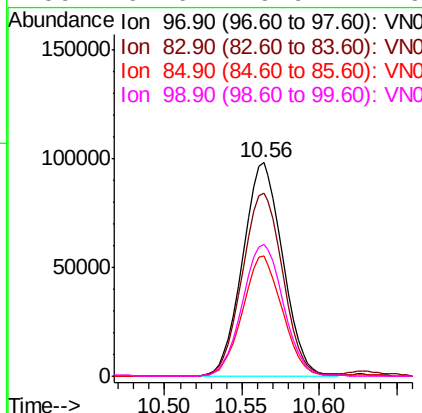
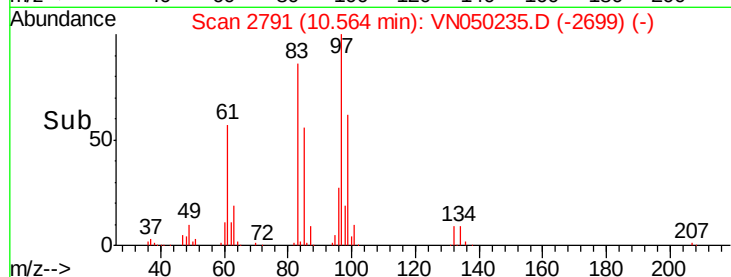
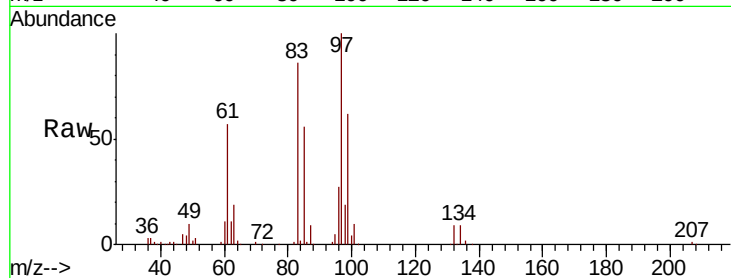
#55
 1,1,2-Trichloroethane
 Concen: 20.428 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		177087		
83	85.8	69.2	103.8		
85	56.1	44.0	66.0		
99	61.6	49.9	74.9		

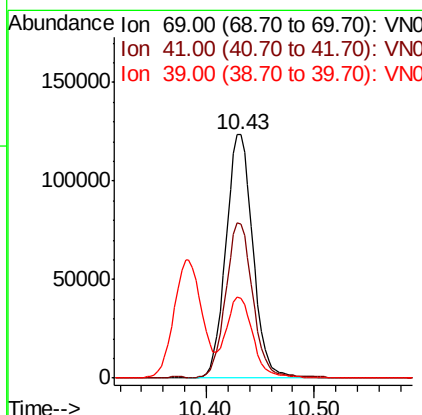
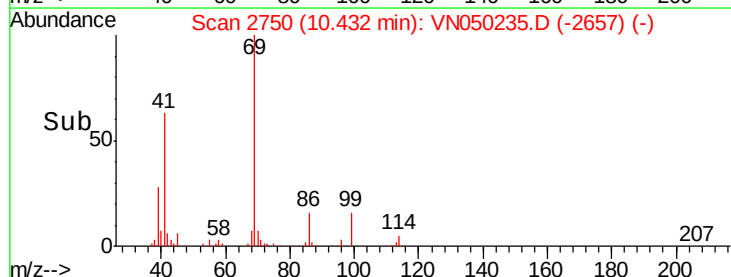
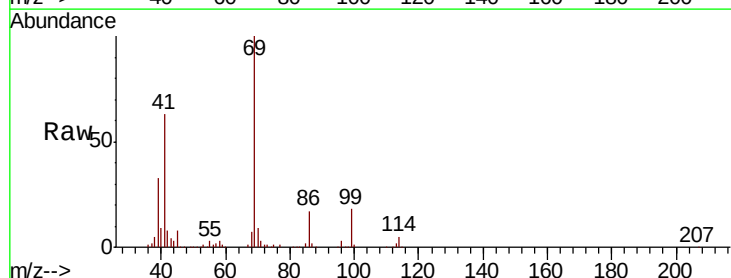
Manual Integrations
 APPROVED

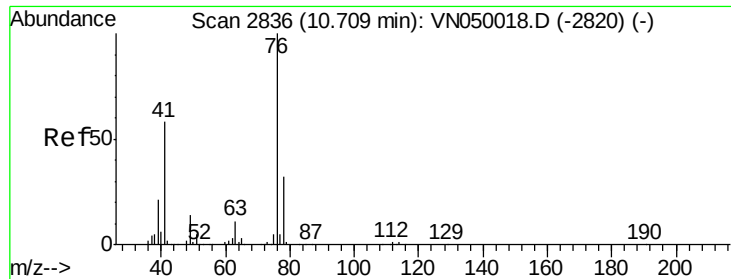
MMDadoda
 8/2/2018 9:53:41 AM



#56
 Ethyl methacrylate
 Concen: 19.601 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		215056		
41	63.3	51.0	76.4		
39	32.0	26.6	40.0		





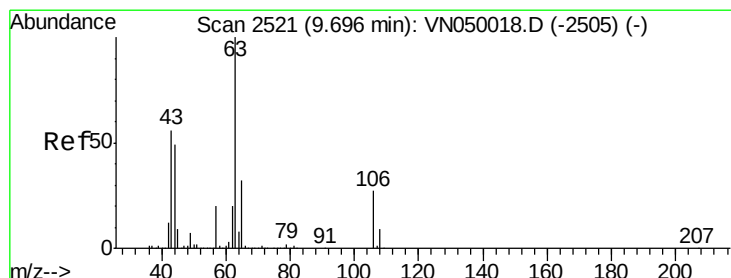
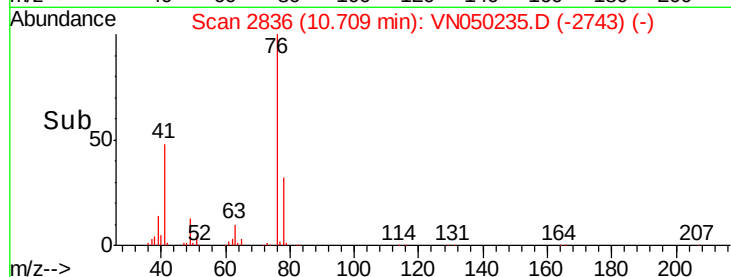
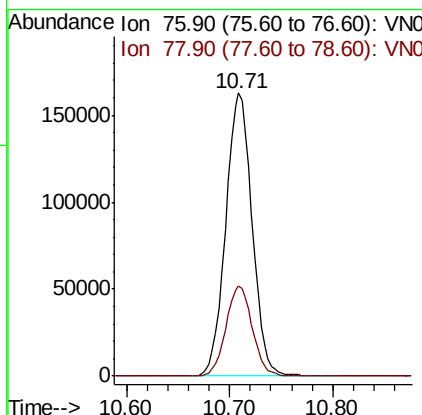
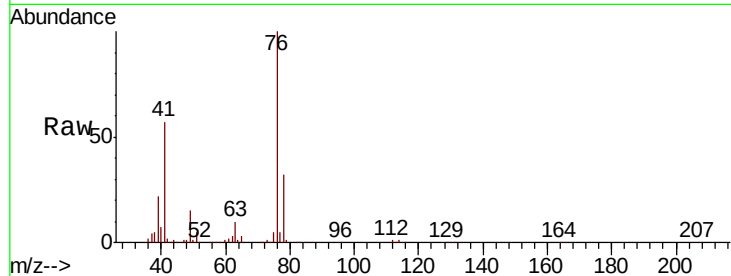
#57
 1,3-Dichloropropane
 Concen: 20.577 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

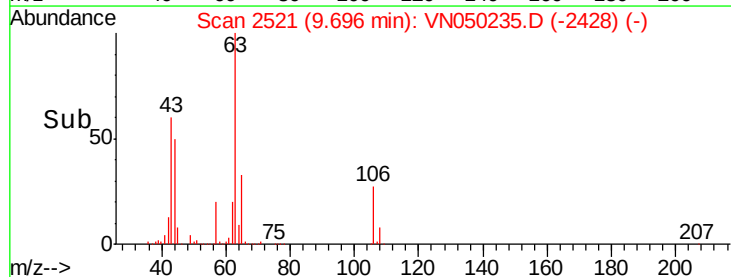
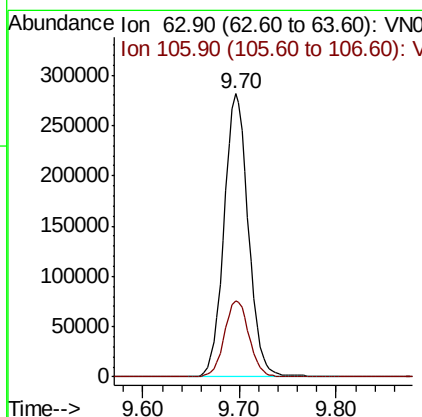
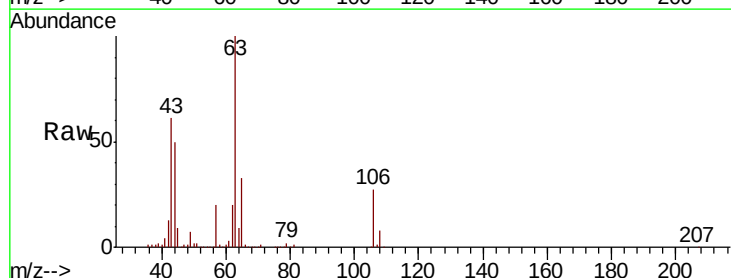
Manual Integrations
 APPROVED

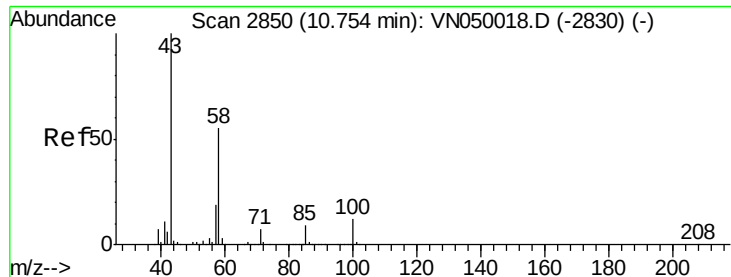
MMDadoda
 8/2/2018 9:53:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.068 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.7	32.5





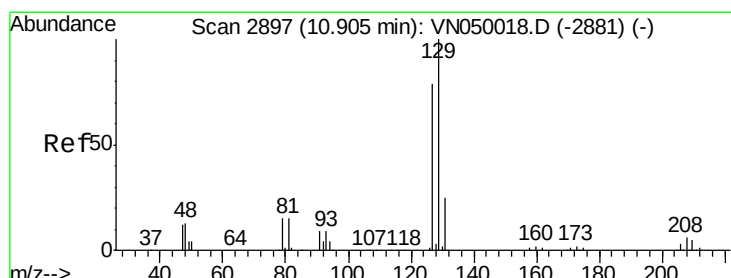
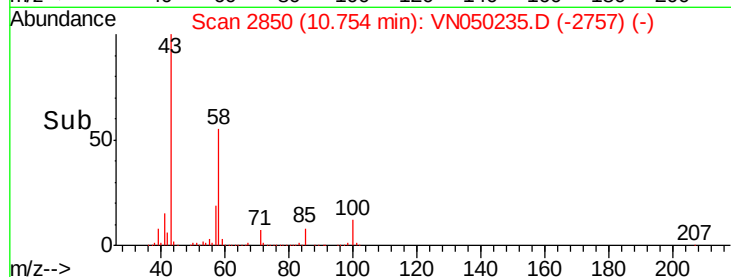
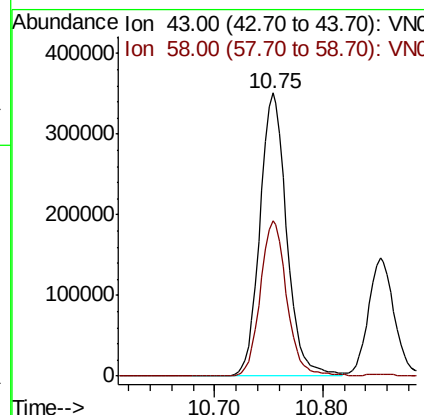
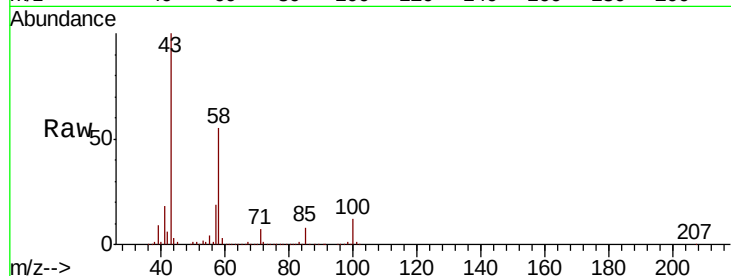
#59
2-Hexanone
Concen: 101.396 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	43	Resp	602084
Ion Ratio	100	Lower	Upper
43	100		
58	54.4	27.6	82.7

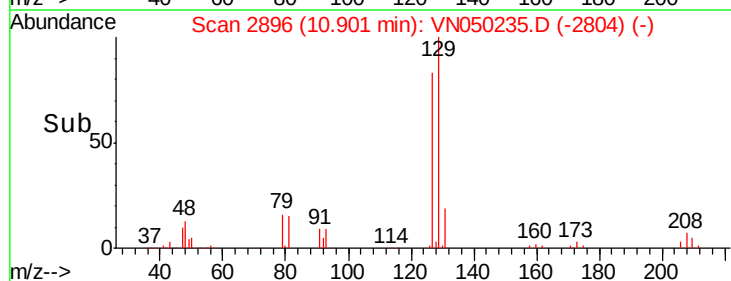
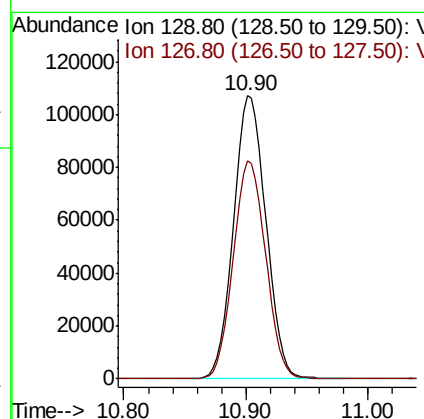
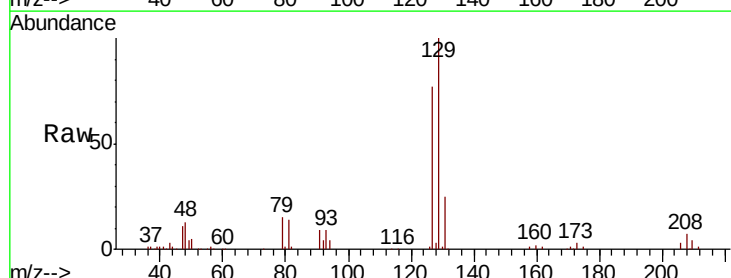
Manual Integrations
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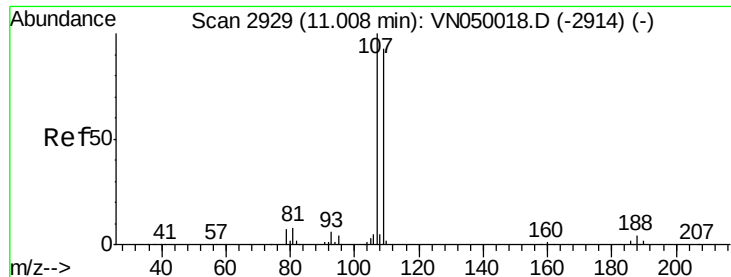
MMDadoda
8/2/2018 9:53:41 AM



#60
Dibromochloromethane
Concen: 20.666 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	129	Resp	198346
Ion Ratio	100	Lower	Upper
129	100		
127	77.0	38.0	113.9





#61

1,2-Dibromoethane

Concen: 19.654 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 107 Resp: 169040

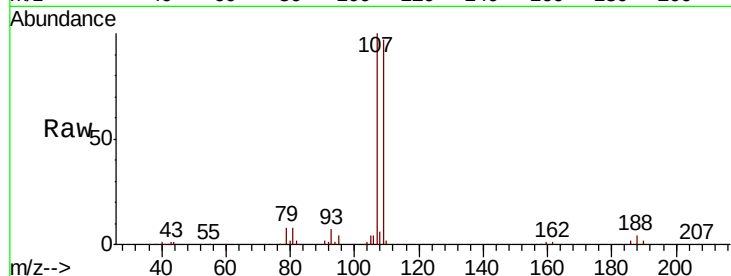
Ion Ratio Lower Upper

107 100

109 95.8 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

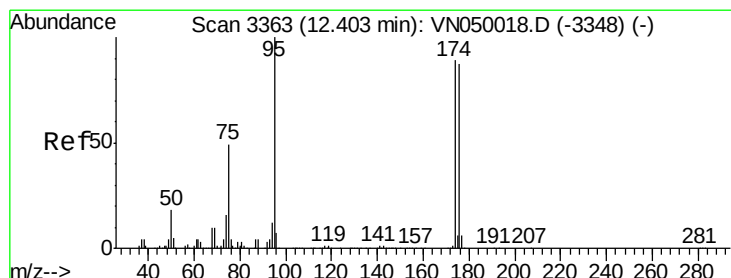
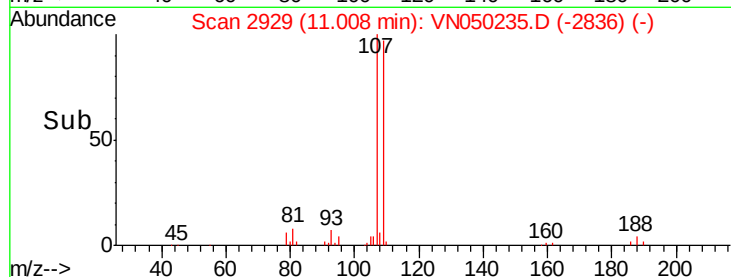
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.891 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

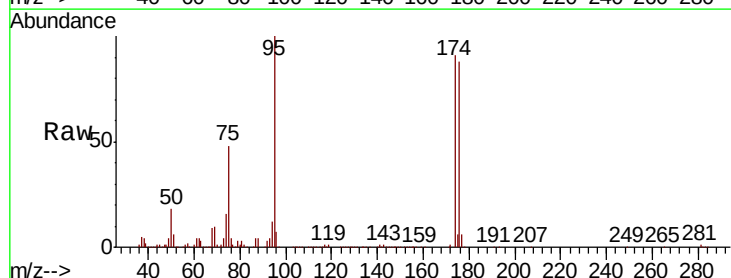
Tgt Ion: 95 Resp: 543213

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.2

176 86.8 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

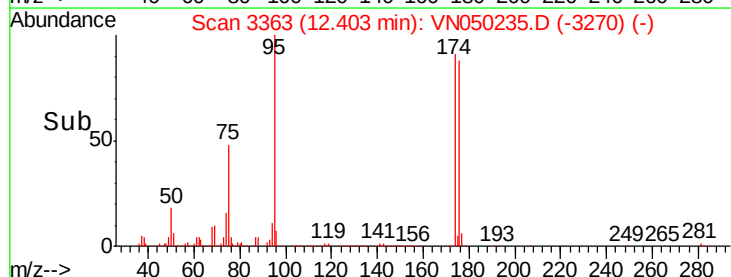
300000

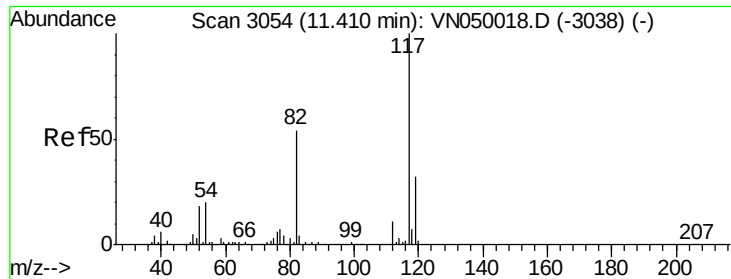
200000

100000

0

Time-->





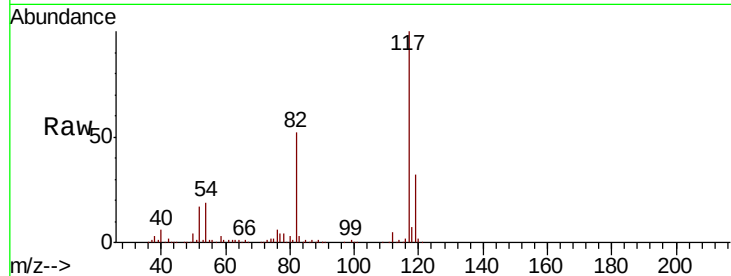
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.5	43.7	65.5	
119	32.0	26.1	39.1	

Manual Integrations
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MMDadoda
8/2/2018 9:53:41 AM

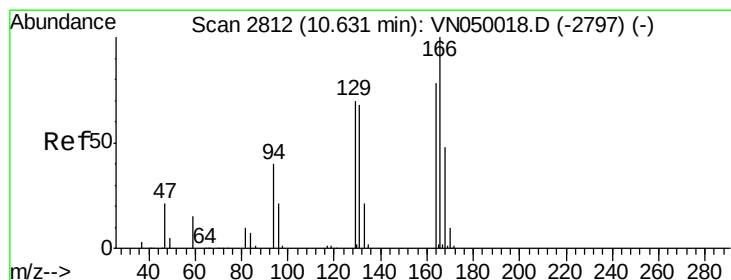
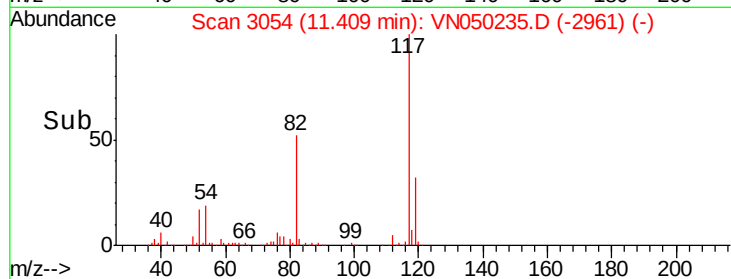
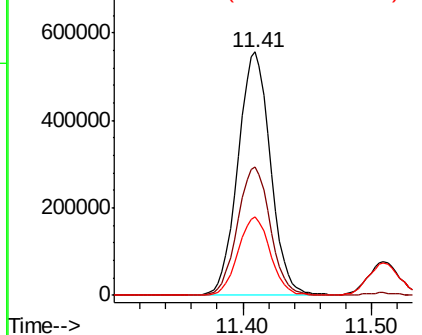


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.548 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.3	102.1	153.1	
129	88.0	73.2	109.8	
131	84.4	70.6	106.0	

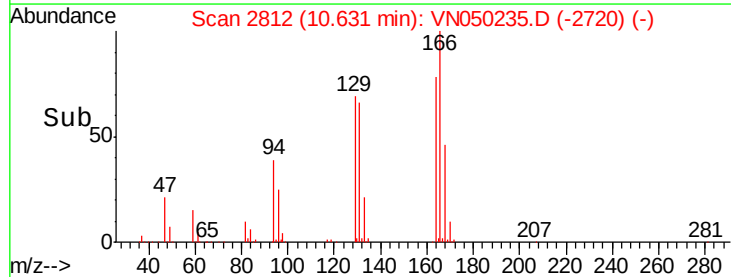
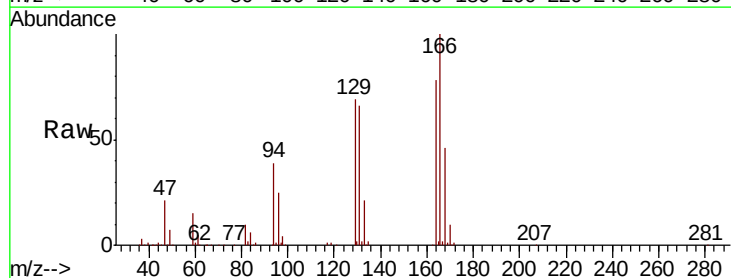
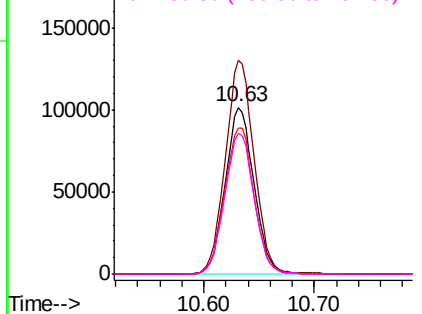
Abundance

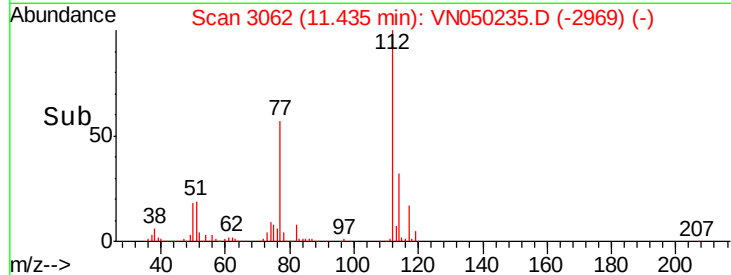
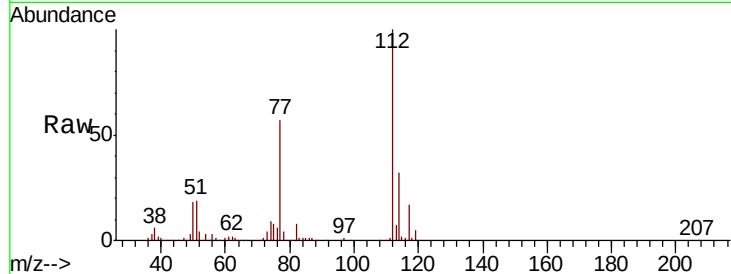
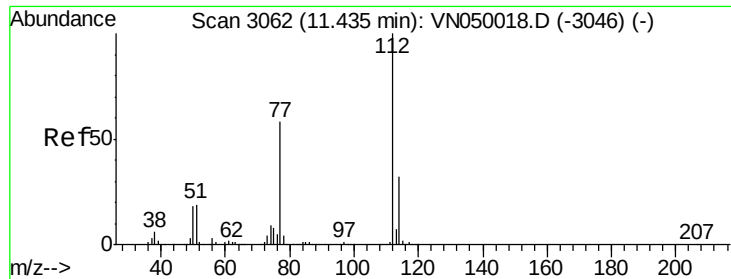
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





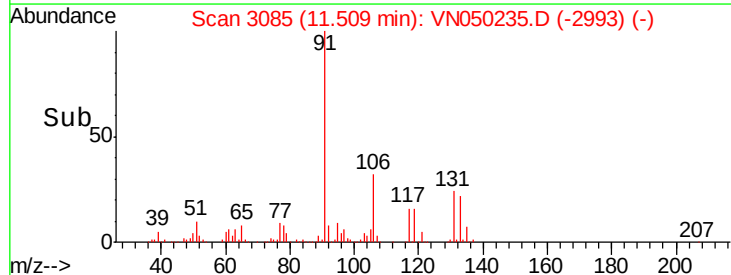
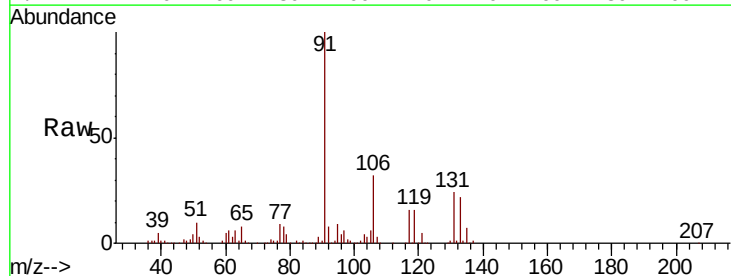
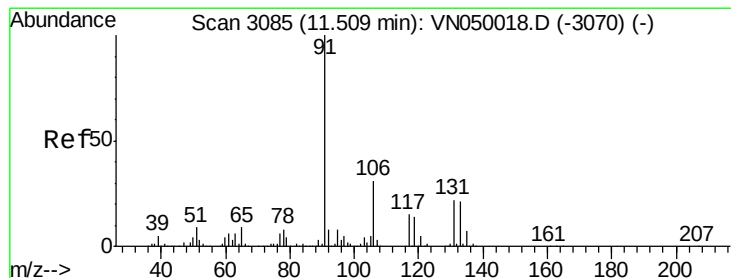
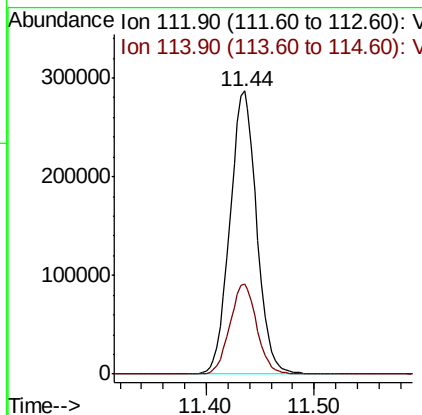
#65
Chlorobenzene
Concen: 20.101 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tot Ion	Ratio	Resp	Lower	Upper
112	100	495631		
114	31.9	25.6	38.4	

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

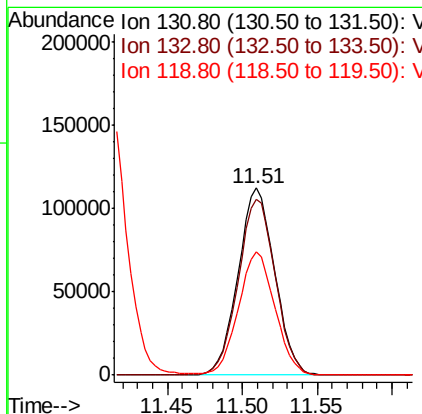
Manual Integrations
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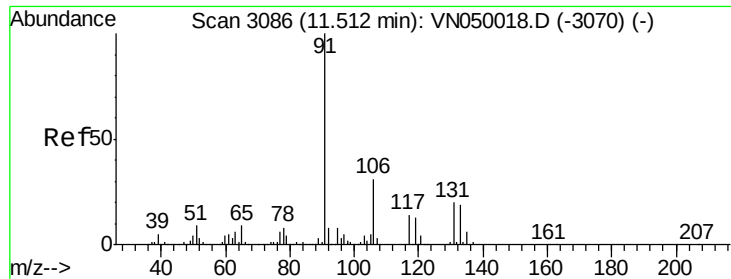
MMDadoda
8/2/2018 9:53:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.188 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	191262		
133	95.2	47.3	141.9	
119	65.9	32.9	98.7	





#67

Ethyl Benzene

Concen: 20.708 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion: 91 Resp: 820240

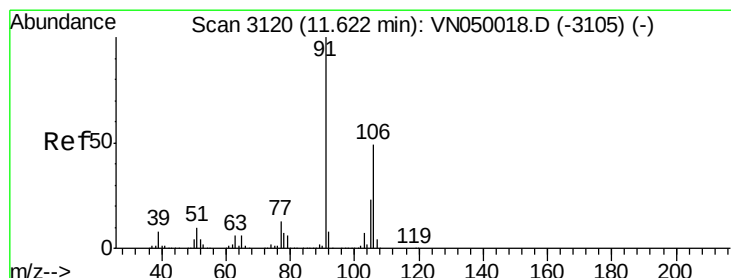
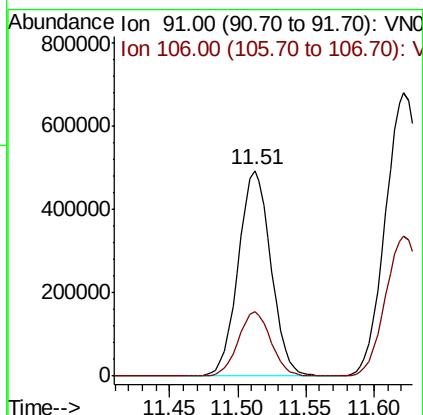
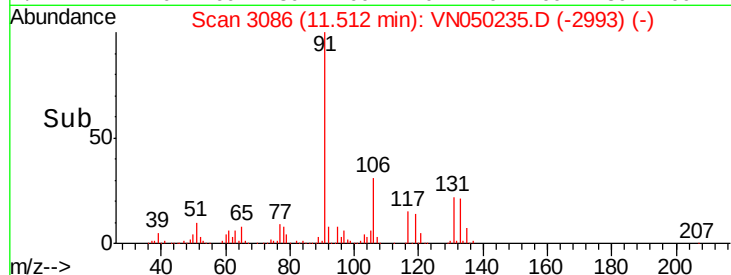
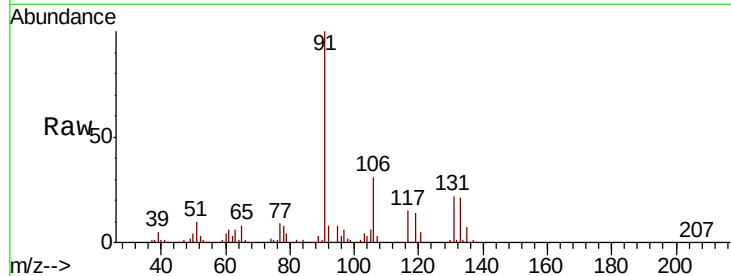
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4

Manual Integrations
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8/2/2018 9:53:41 AM



#68

m/p-Xylenes

Concen: 42.989 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050235.D

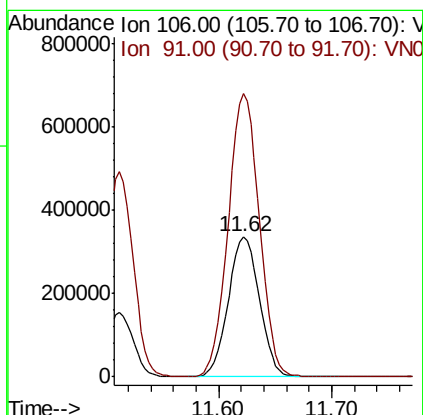
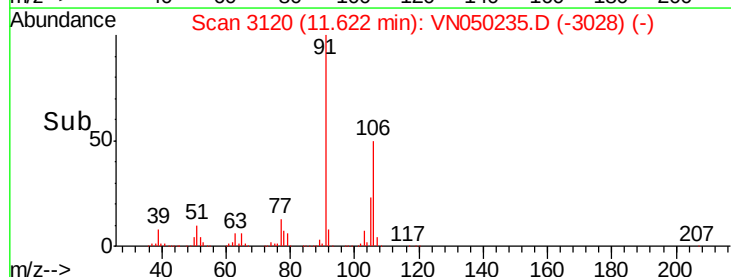
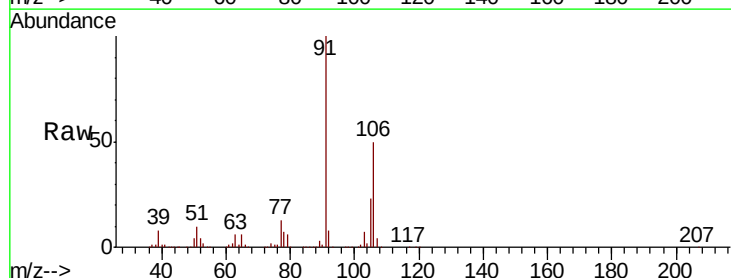
Acq: 1 Aug 2018 9:21

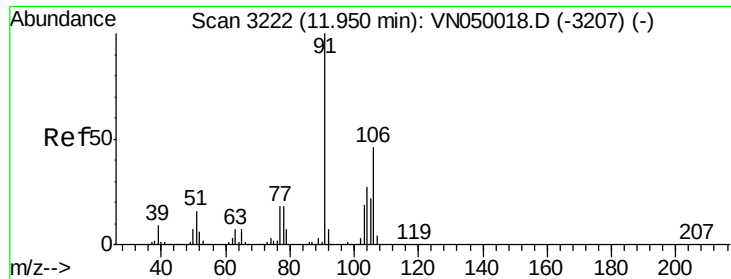
Tgt Ion:106 Resp: 644059

Ion Ratio Lower Upper

106 100

91 201.6 162.2 243.2





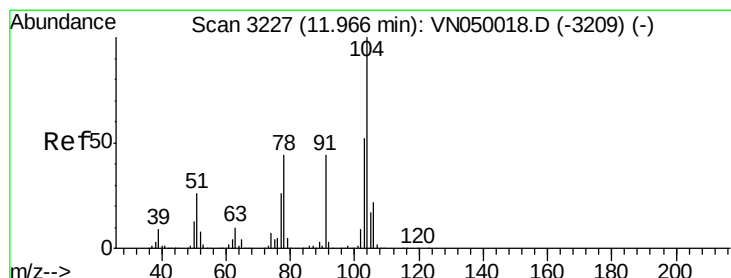
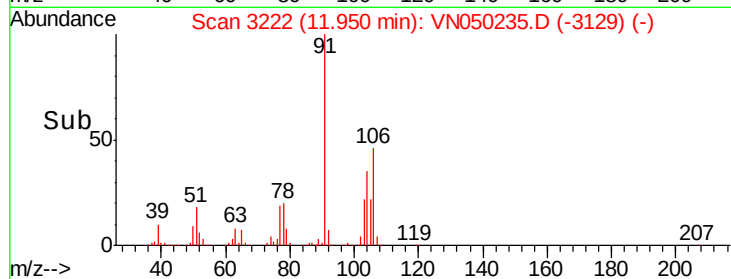
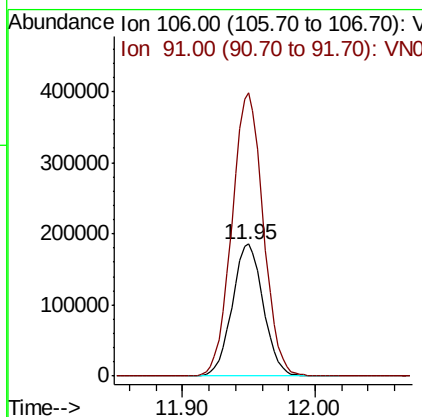
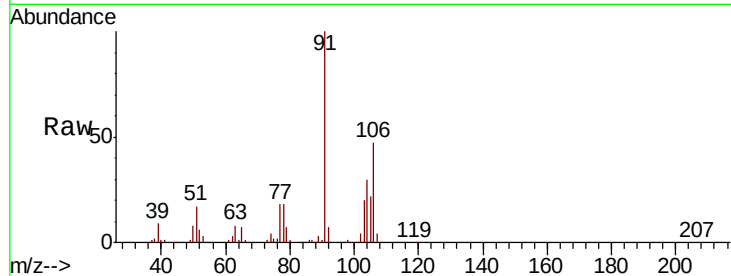
#69
o-Xylene
Concen: 21.085 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	301136		
91	216.3	107.7	323.1	

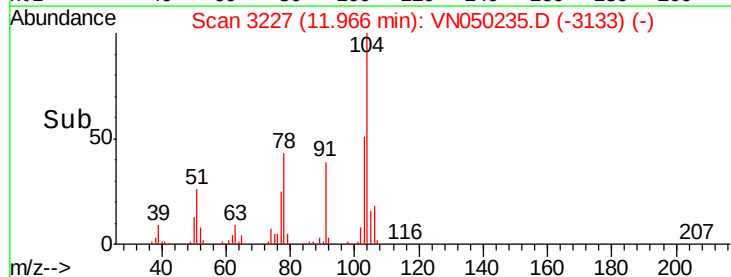
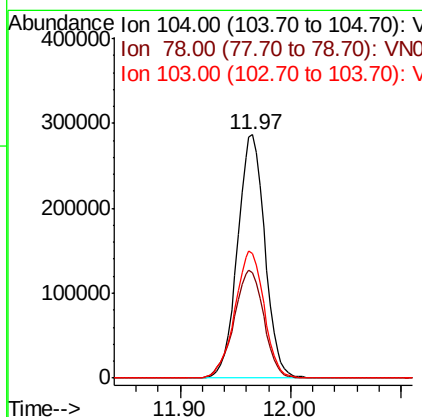
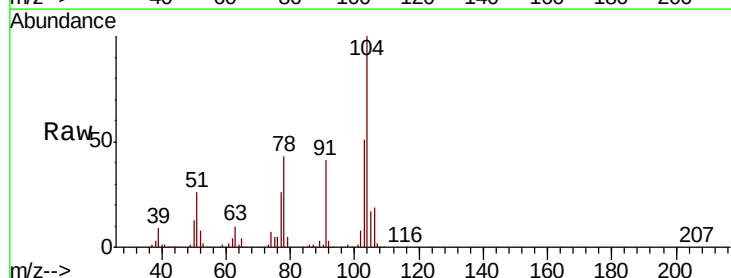
Manual Integrations
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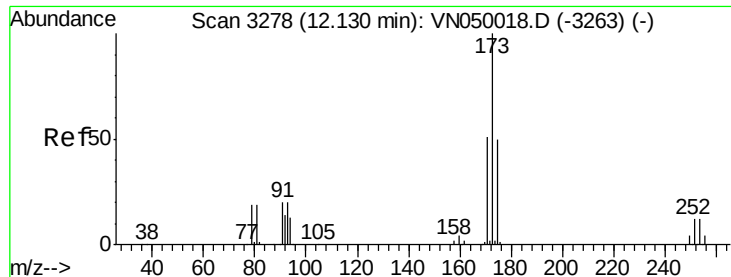
MMDadoda
8/2/2018 9:53:41 AM



#70
Styrene
Concen: 19.922 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	491654		
78	48.6	39.3	58.9	
103	55.8	45.0	67.6	





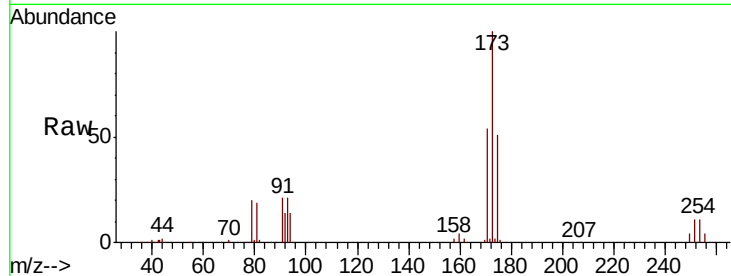
#71
Bromoform
Concen: 19.792 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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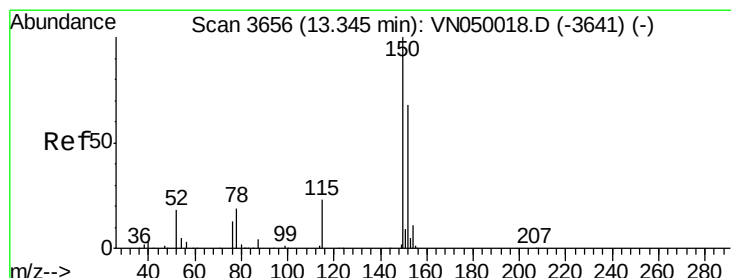
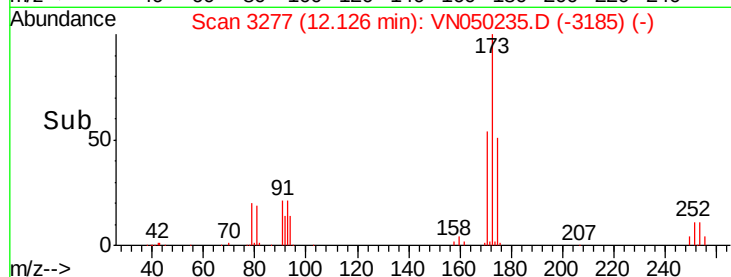
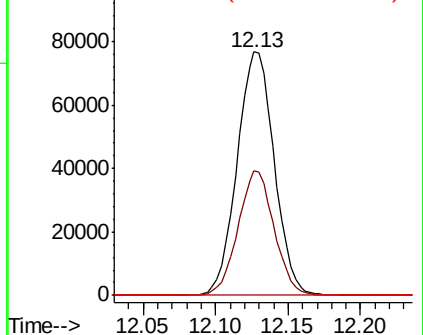


Abundance

Ion 172.70 (172.40 to 173.40): V

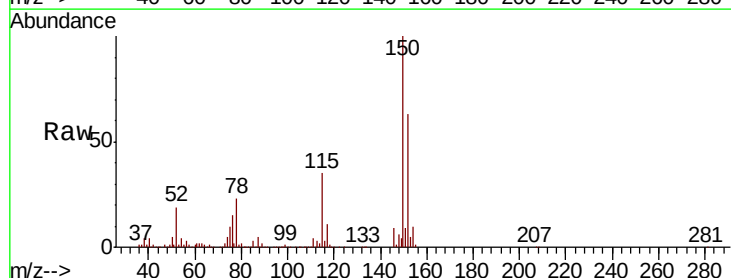
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.3
150	163.9	0.0	348.6

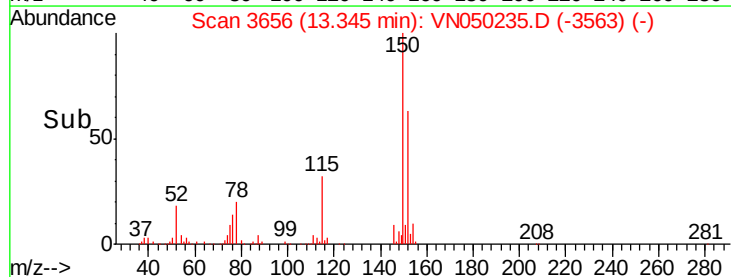
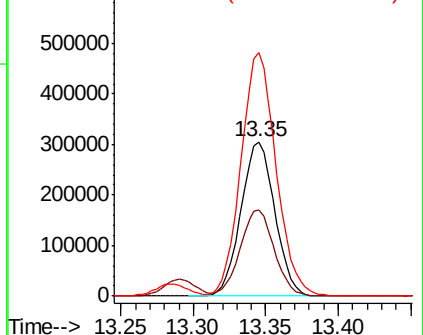


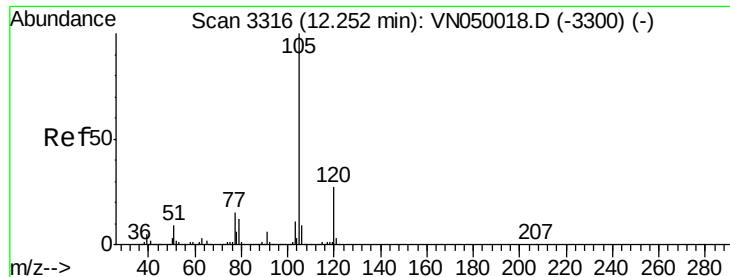
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.220 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 105 Resp: 815719

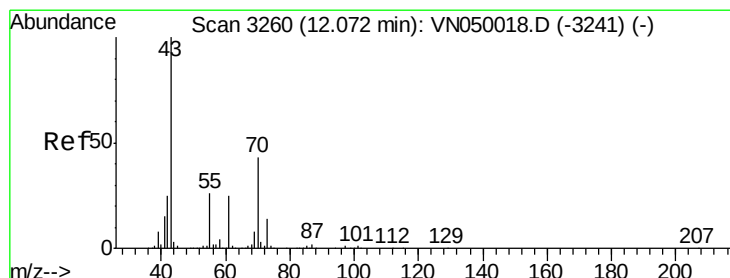
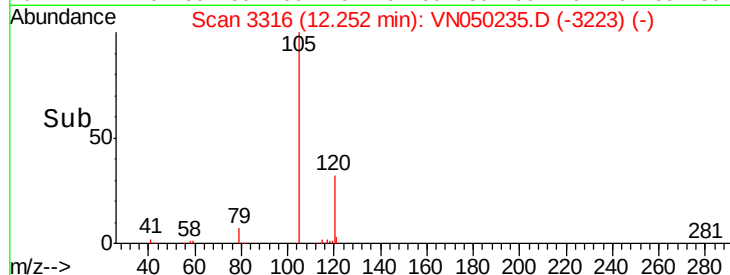
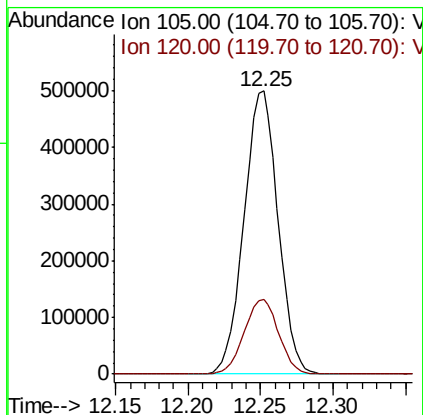
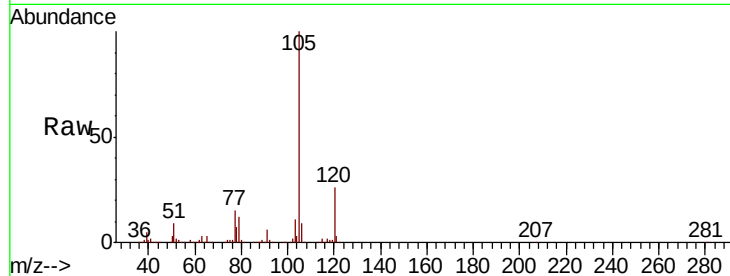
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.824 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion: 43 Resp: 232907

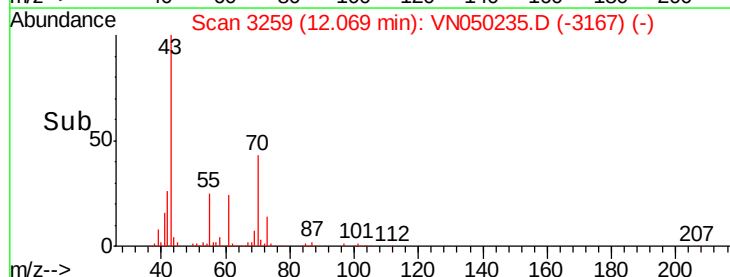
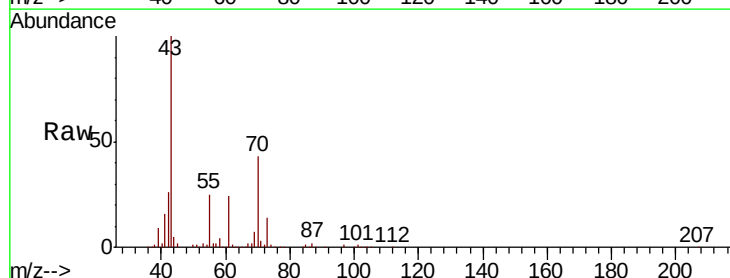
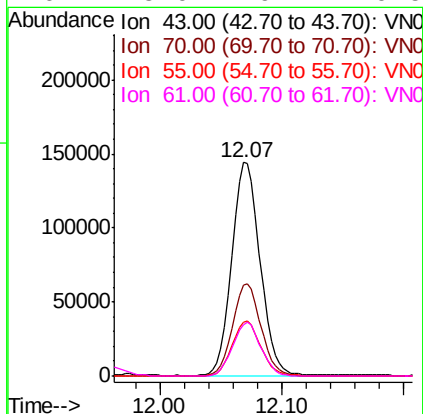
Ion Ratio Lower Upper

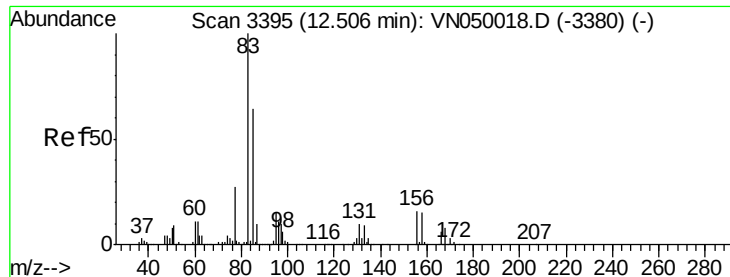
43 100

70 43.0 34.4 51.6

55 26.2 20.8 31.2

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.277 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion: 83 Resp: 22885
Ion Ratio Lower Upper

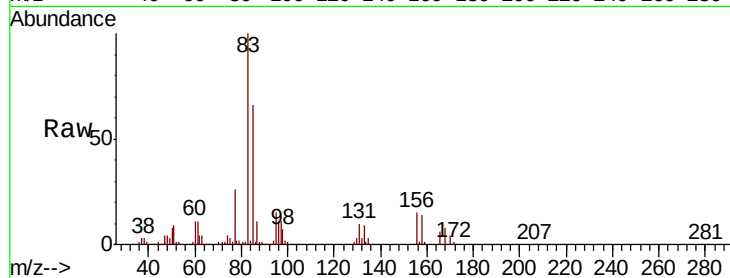
83 100

131 10.0 5.1 15.3

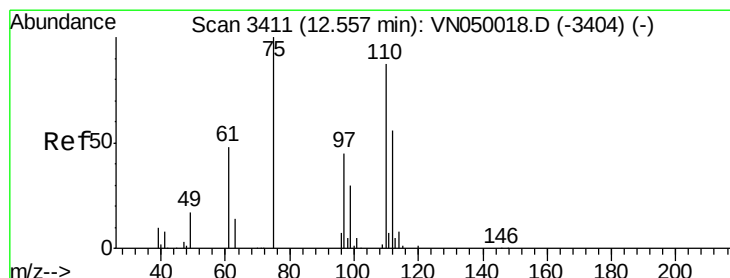
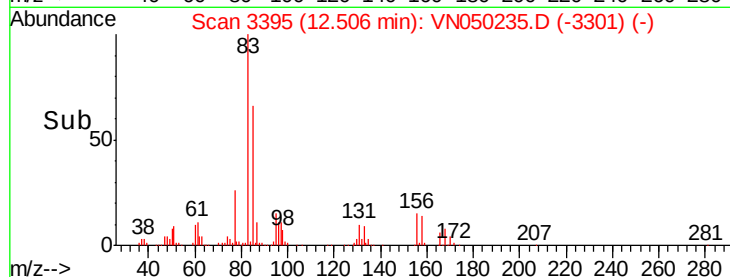
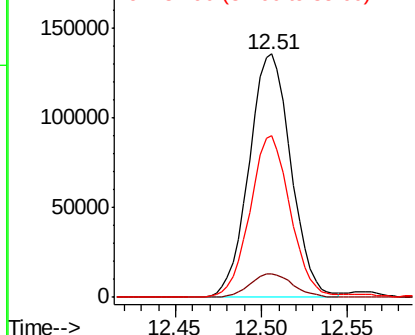
85 63.8 32.3 96.8

Manual Integrations
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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: 20.933 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

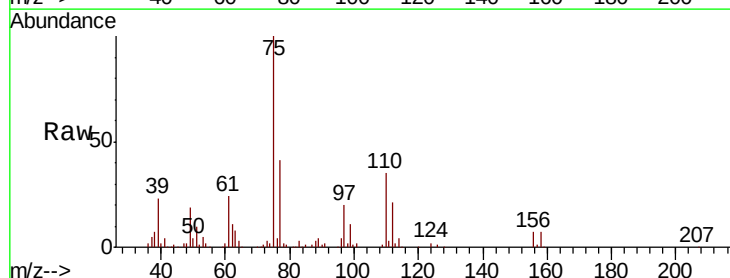
Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

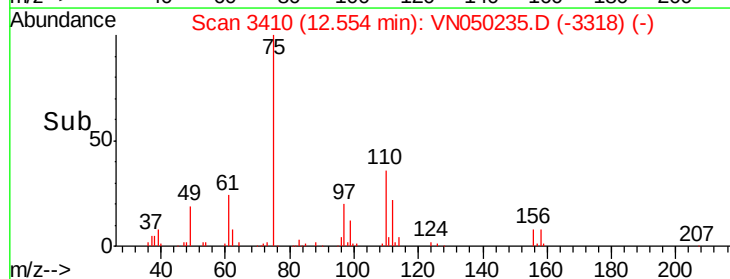
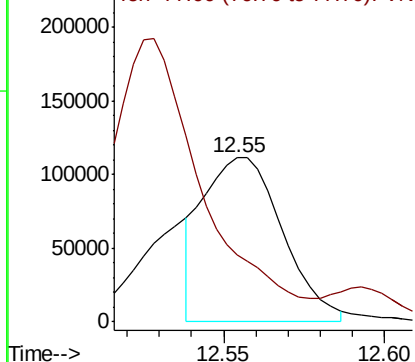
Tgt Ion: 75 Resp: 192825
Ion Ratio Lower Upper

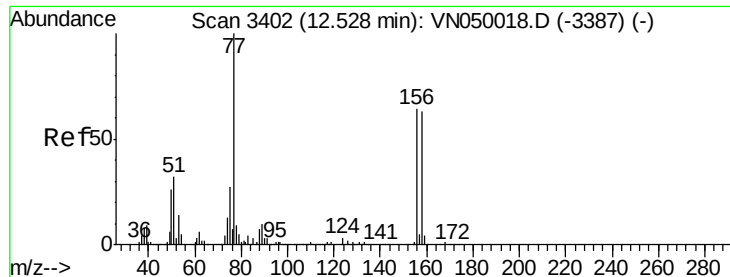
75 100

77 0.0 0.0 0.0



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





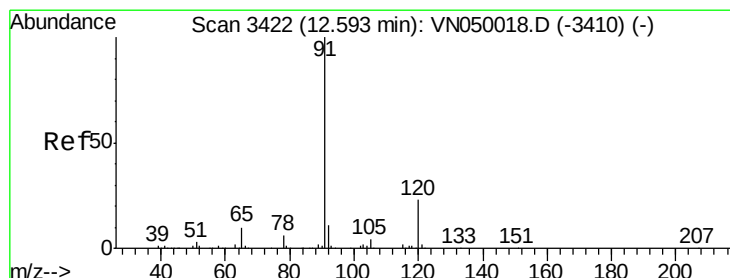
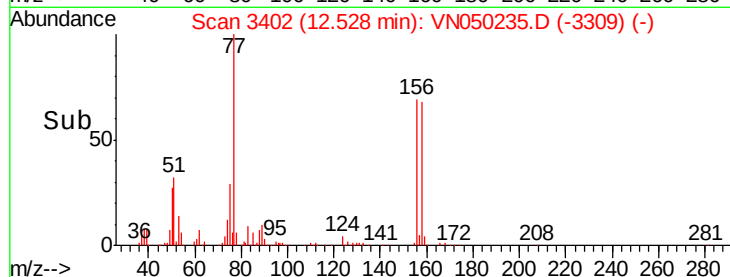
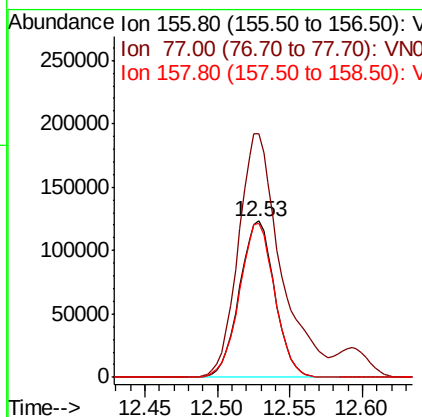
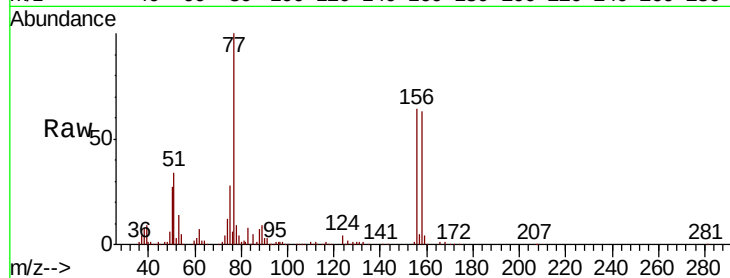
#77
Bromobenzene
Concen: 19.634 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.9	91.7	275.1
158	98.4	48.9	146.6

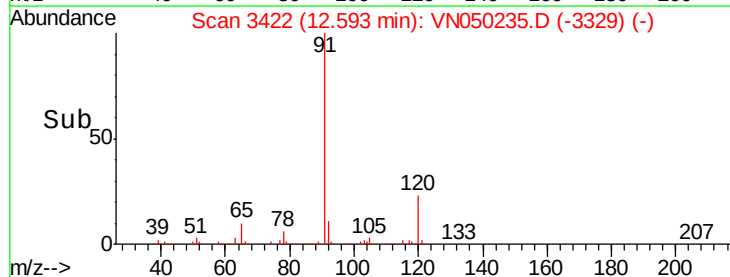
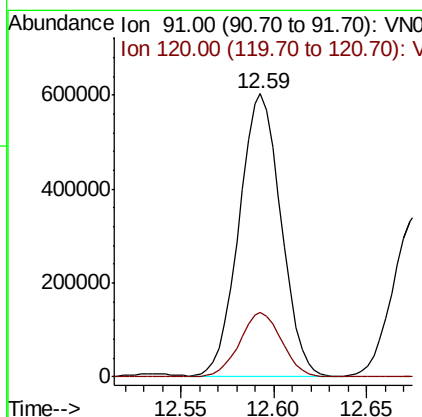
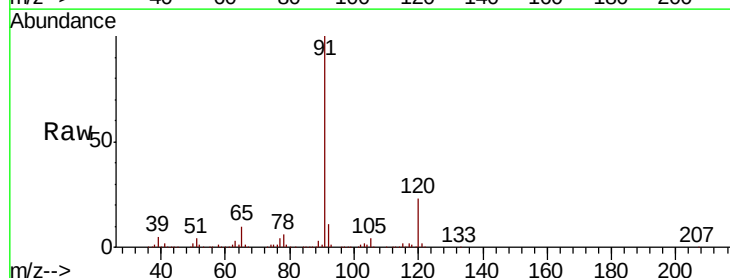
Manual Integrations
APPROVED

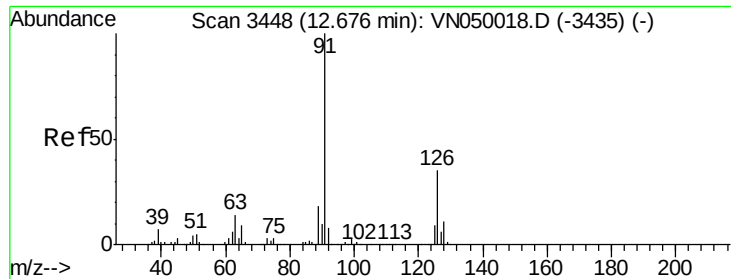
MMDadoda
8/2/2018 9:53:41 AM



#78
n-propylbenzene
Concen: 21.933 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.6	34.7





#79

2-Chlorotoluene

Concen: 21.392 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 91 Resp: 569705

Ion Ratio Lower Upper

91 100

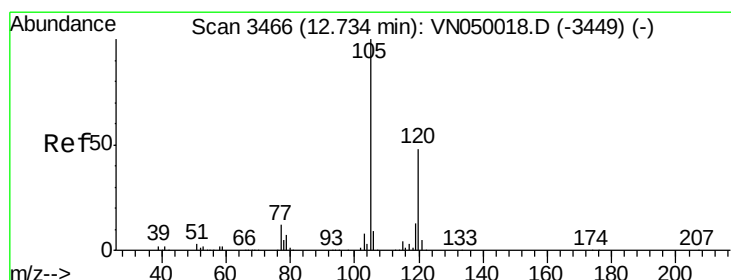
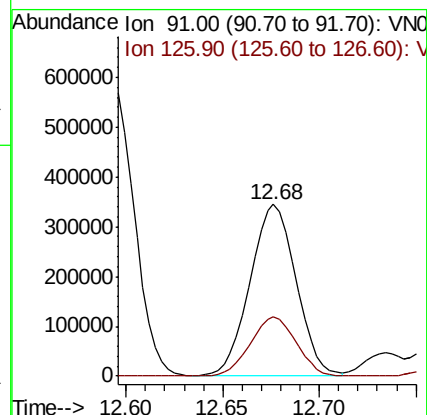
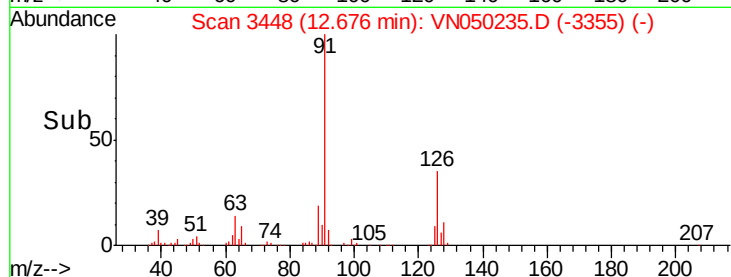
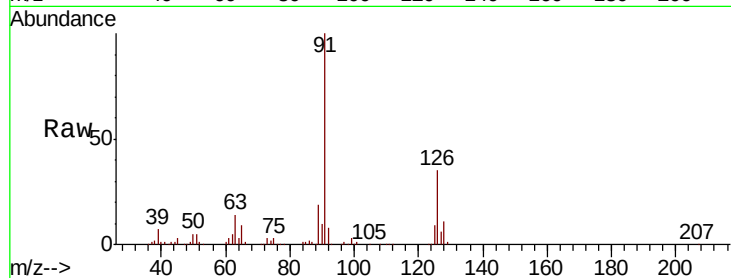
126 34.5 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.327 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050235.D

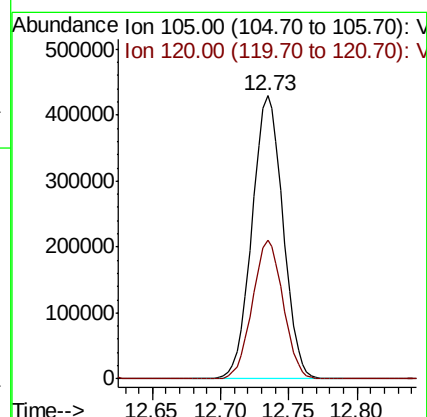
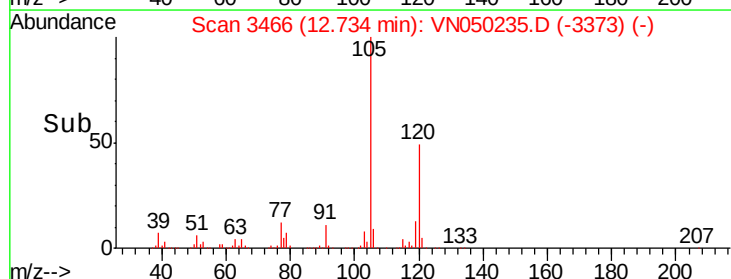
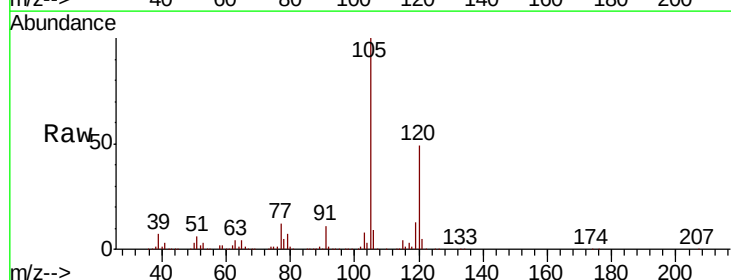
Acq: 1 Aug 2018 9:21

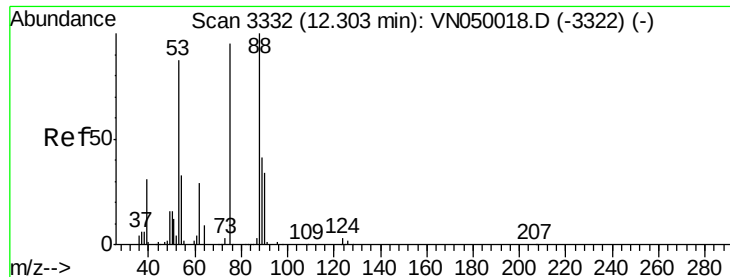
Tgt Ion: 105 Resp: 675104

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.370 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion: 75 Resp: 59158

Ion Ratio Lower Upper

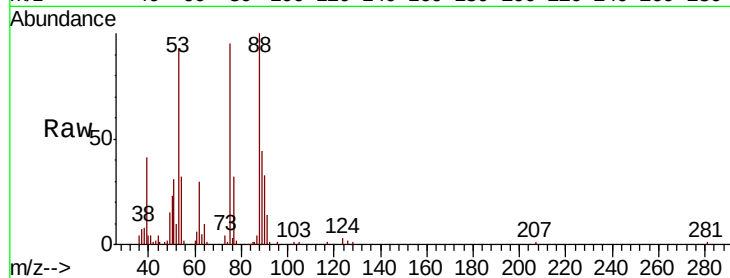
75 100

53 97.7 73.5 110.3

89 45.7 36.0 54.0

Manual Integrations
APPROVED

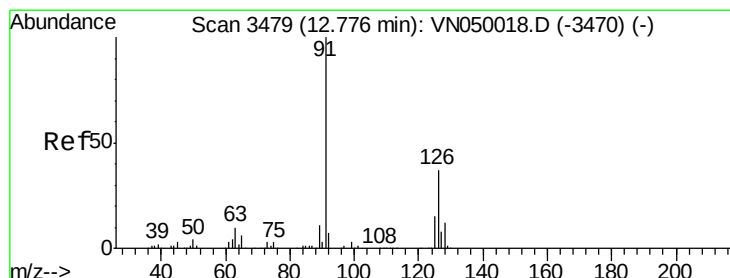
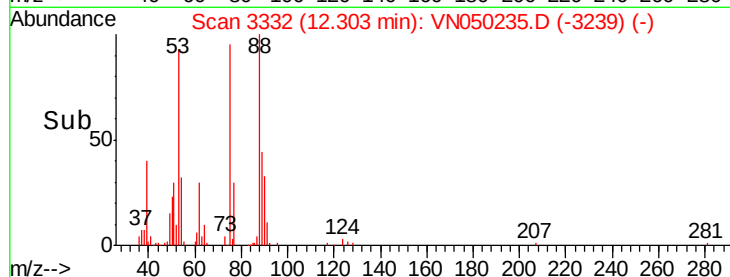
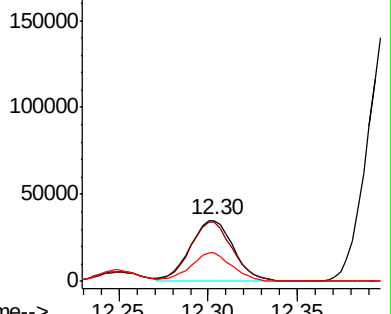
MMDadoda
8/2/2018 9:53:41 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.780 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050235.D

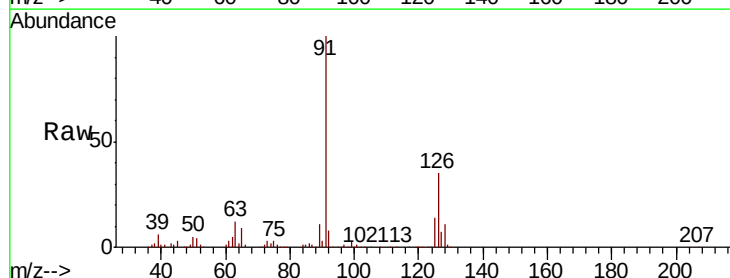
Acq: 1 Aug 2018 9:21

Tgt Ion: 91 Resp: 574393

Ion Ratio Lower Upper

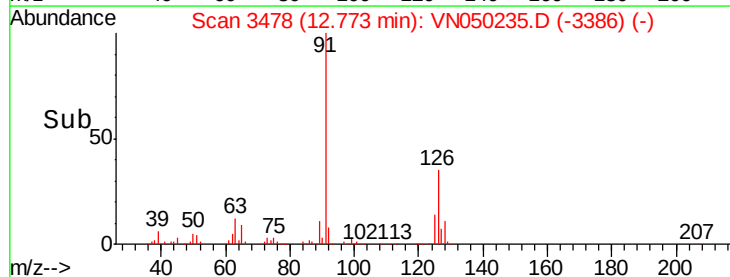
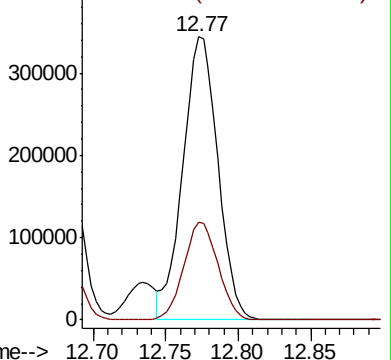
91 100

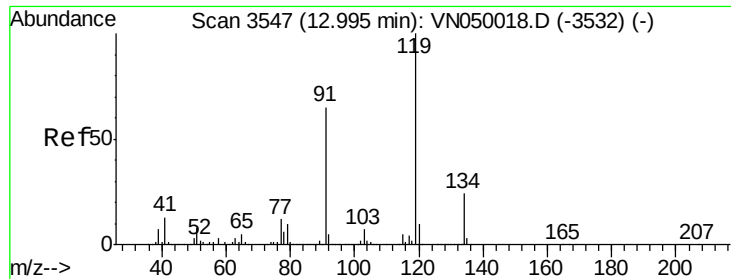
126 33.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





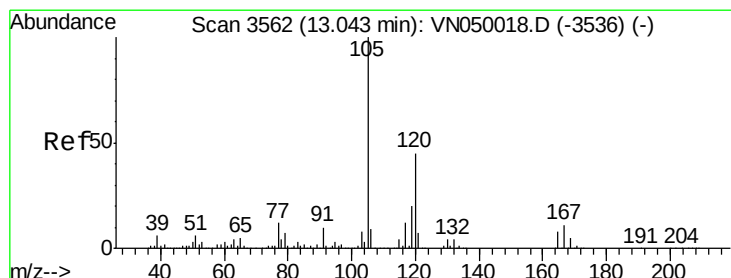
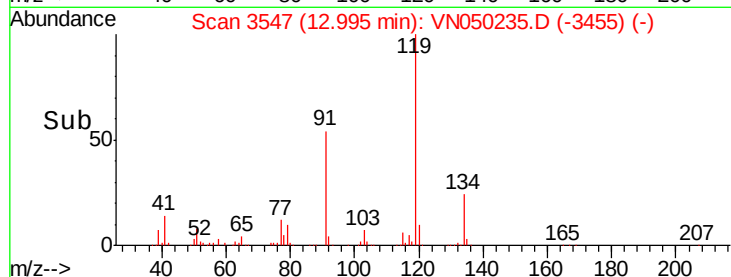
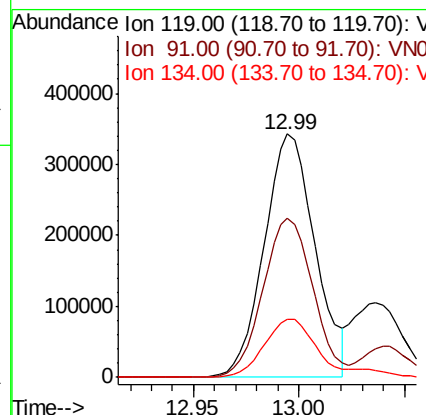
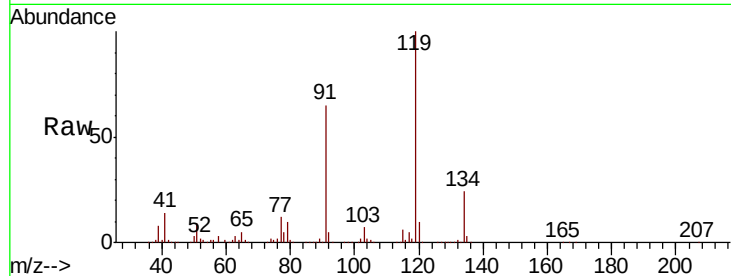
#83
tert-Butylbenzene
Concen: 21.776 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	574606		
91	64.5	32.1	96.3	
134	26.5	13.2	39.5	

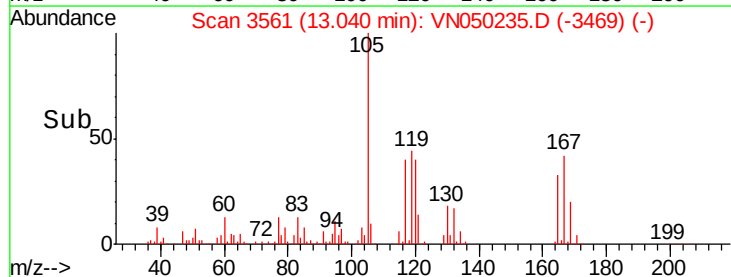
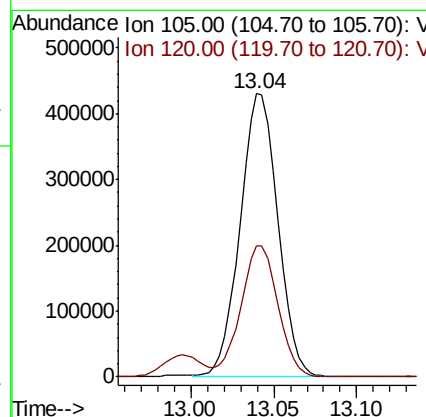
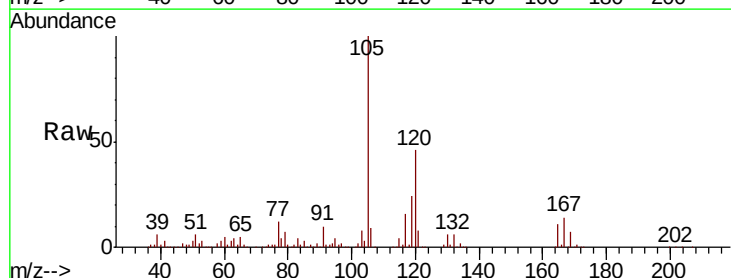
Manual Integrations
APPROVED

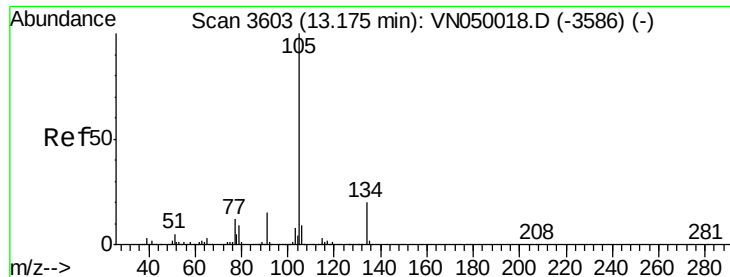
MMDadoda
8/2/2018 9:53:41 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.327 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	680485		
120	45.5	22.9	68.7	





#85

sec-Butylbenzene

Concen: 22.057 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion:105 Resp: 777688

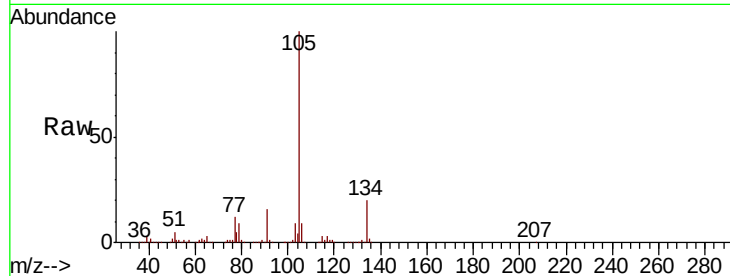
Ion Ratio Lower Upper

105 100

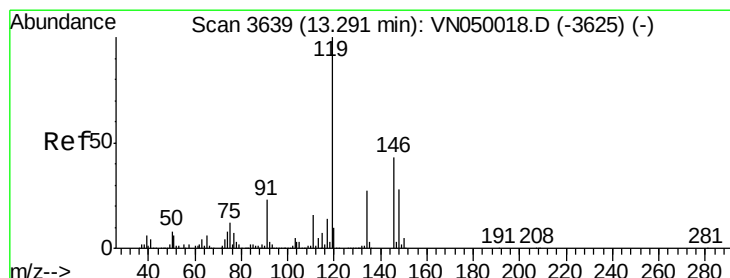
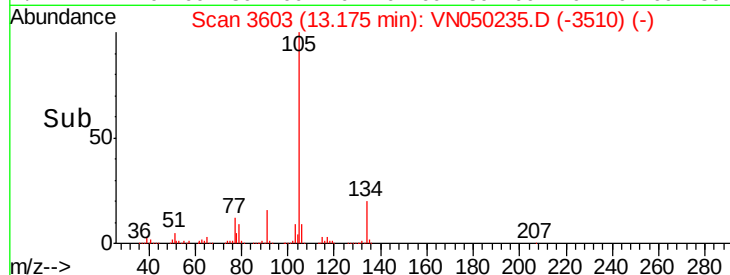
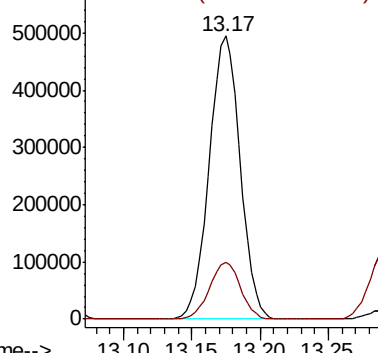
134 20.2 10.1 30.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.620 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

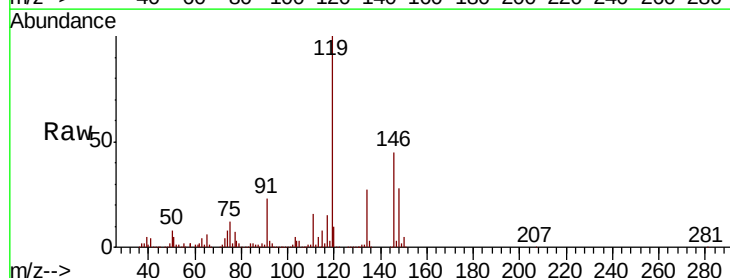
Tgt Ion:119 Resp: 672038

Ion Ratio Lower Upper

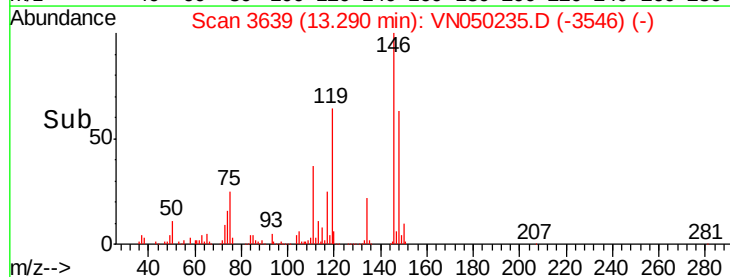
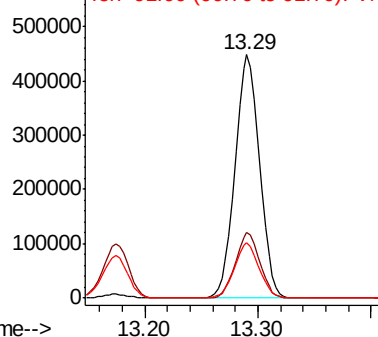
119 100

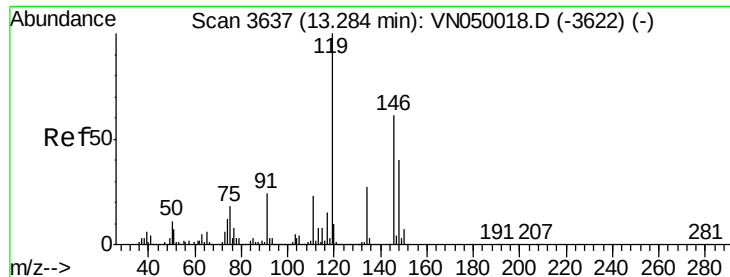
134 26.8 13.3 39.8

91 22.7 11.4 34.2



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





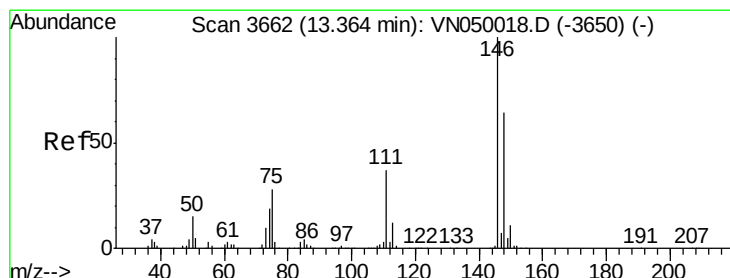
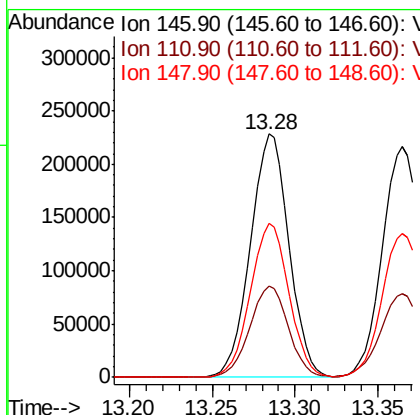
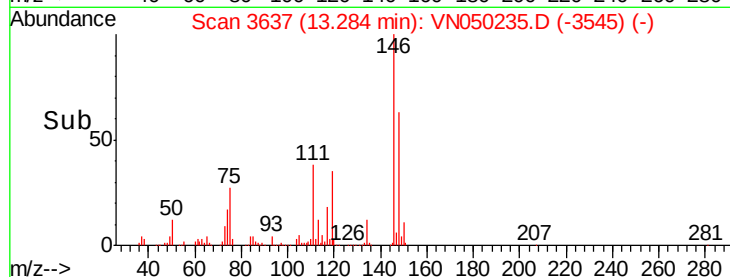
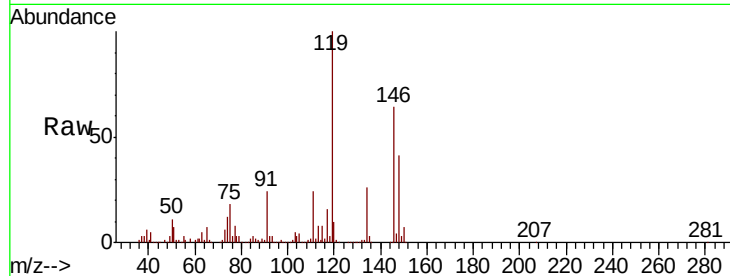
#87
 1,3-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369578		
111	37.8	18.8	56.4	
148	63.5	31.9	95.9	

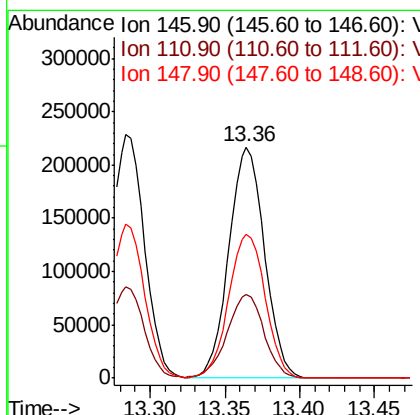
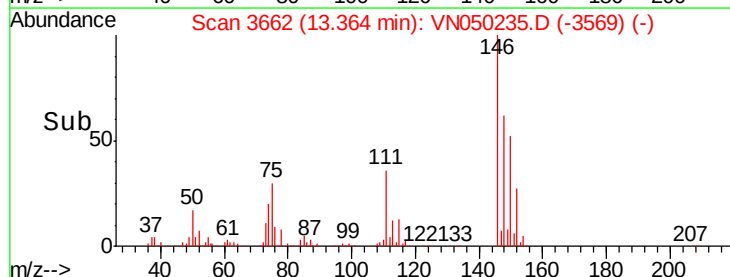
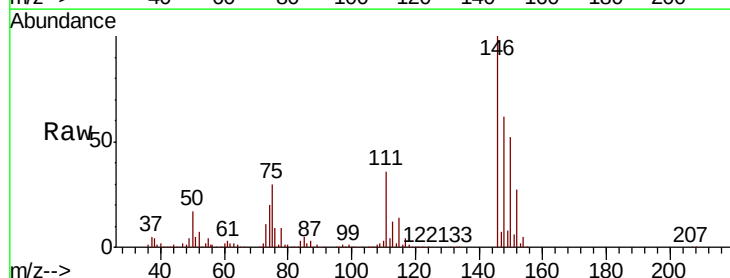
Manual Integrations
 APPROVED

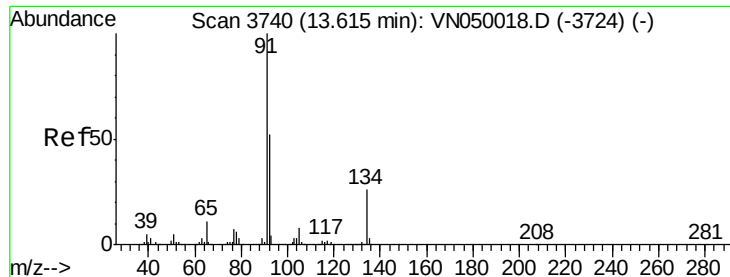
MMDadoda
 8/2/2018 9:53:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.421 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	359482		
111	37.6	18.3	54.9	
148	63.9	31.9	95.9	





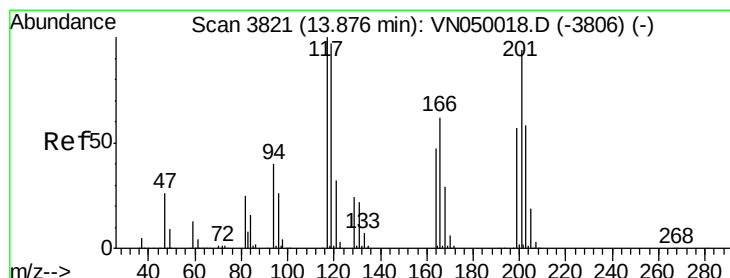
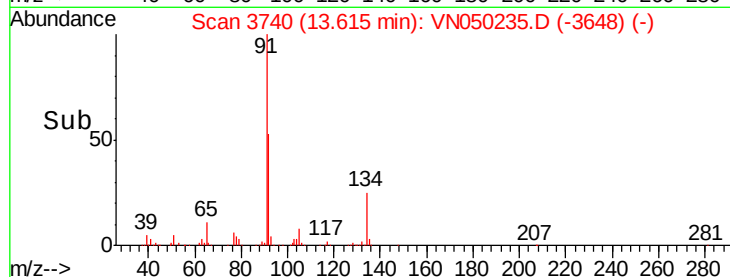
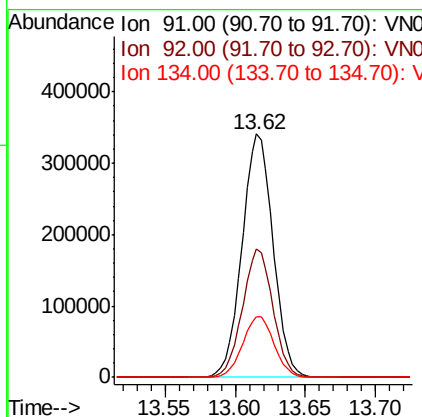
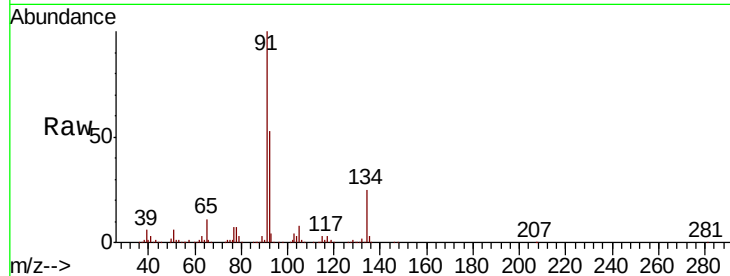
#89
n-Butylbenzene
Concen: 21.519 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.4
134	25.3	12.8	38.4

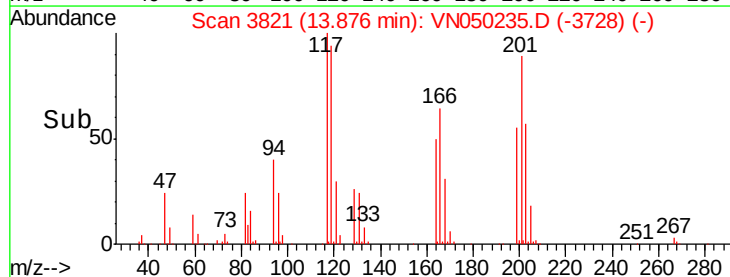
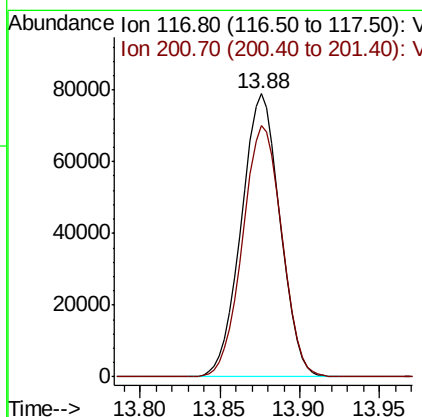
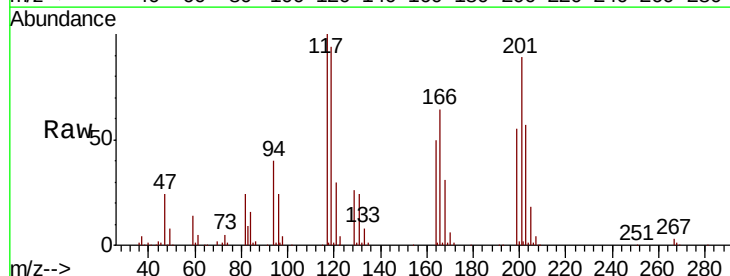
Manual Integrations
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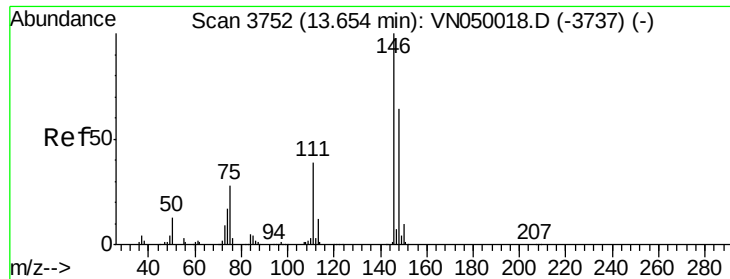
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#90
Hexachloroethane
Concen: 19.741 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.6	136.8





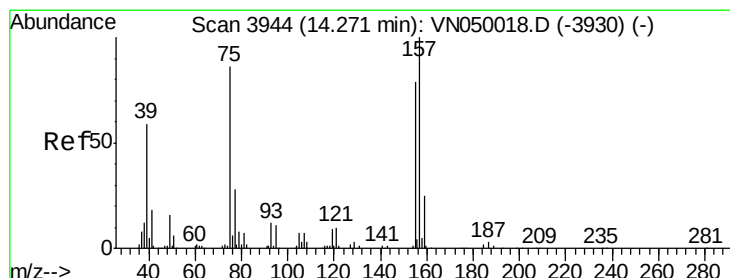
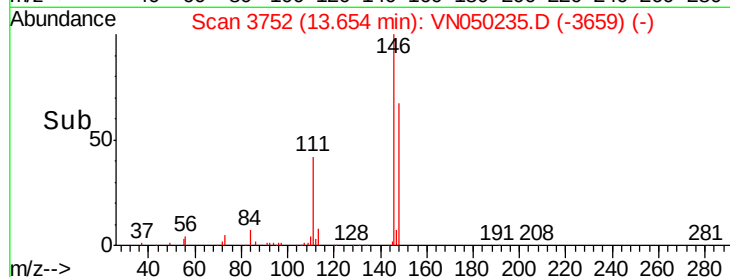
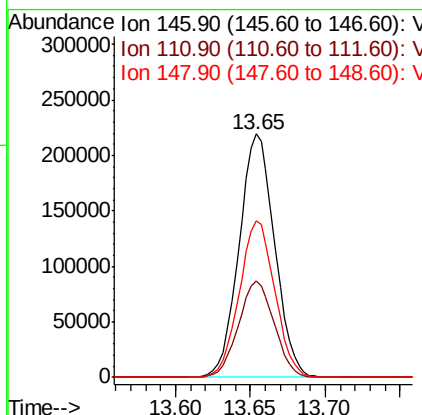
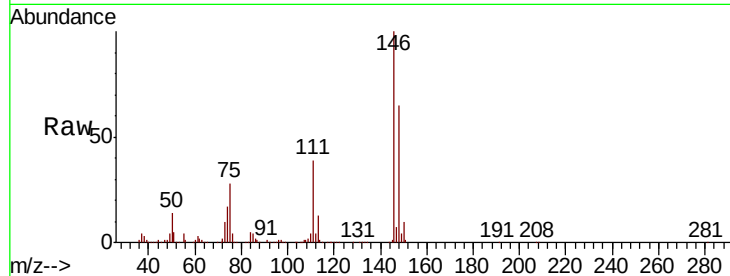
#91
 1,2-Dichlorobenzene
 Concen: 20.035 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	64.3	32.1	96.3

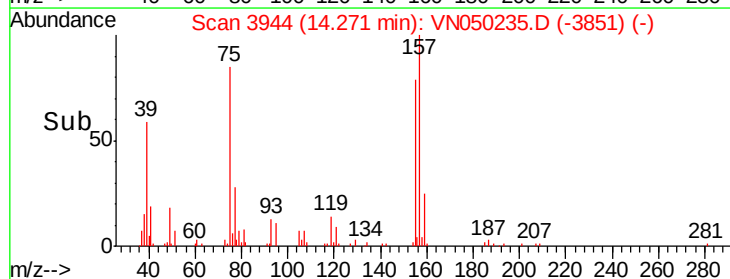
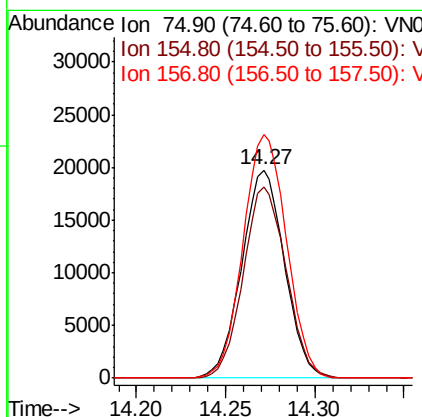
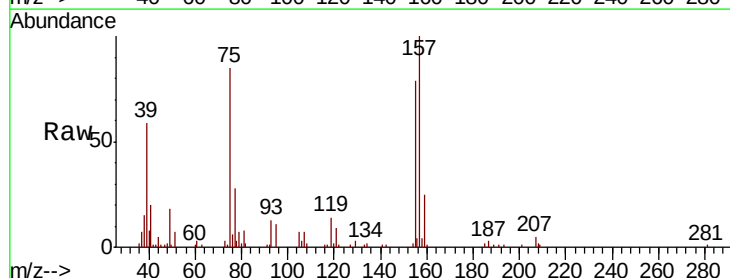
Manual Integrations
 APPROVED

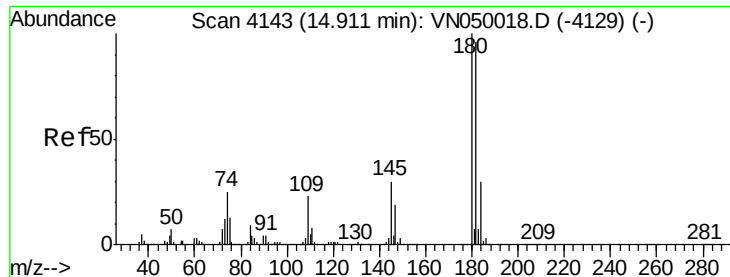
MMDadoda
 8/2/2018 9:53:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.886 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	44.8	134.4
157	118.8	57.2	171.6





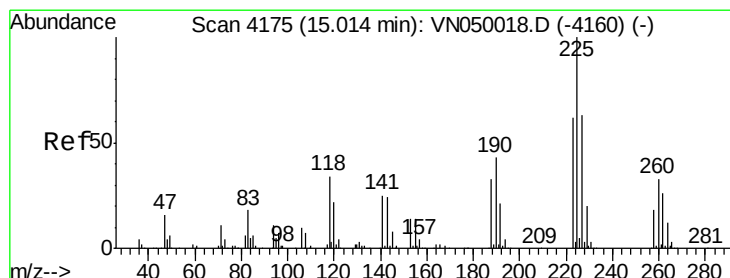
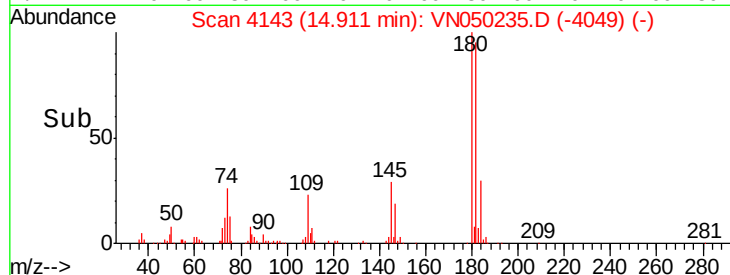
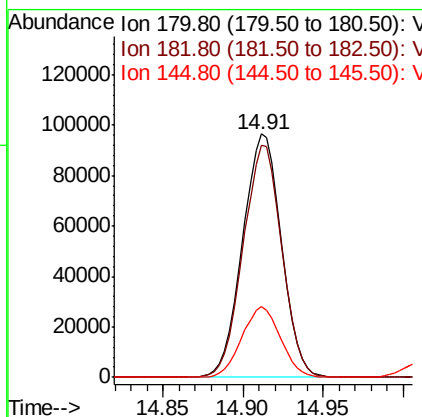
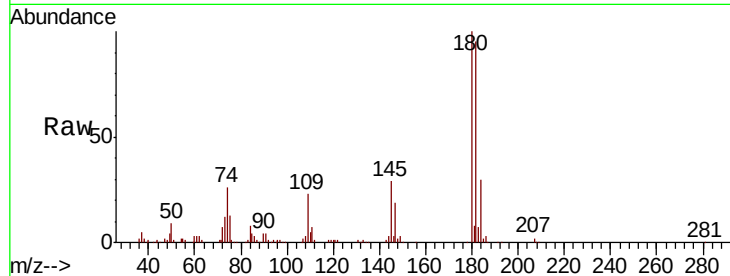
#93
 1,2,4-Trichlorobenzene
 Concen: 18.736 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159701		
182	95.5	46.7	140.1	
145	29.0	13.8	41.4	

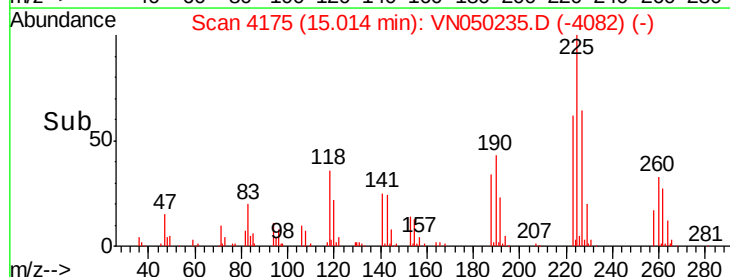
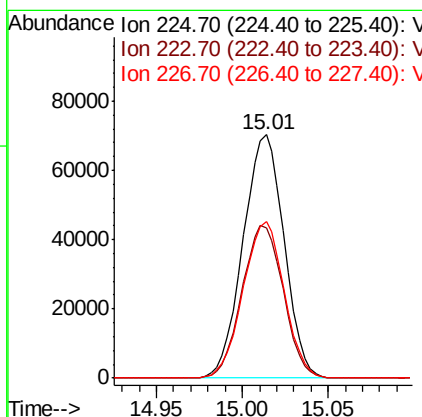
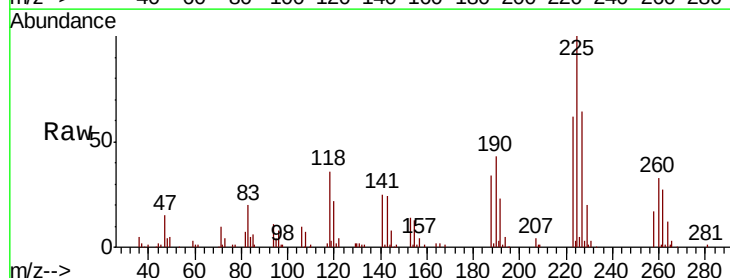
Manual Integrations
 APPROVED

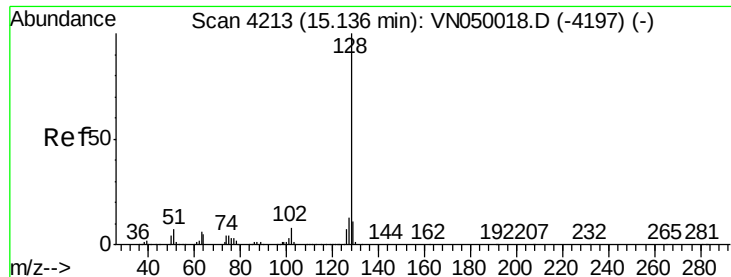
MMDadoda
 8/2/2018 9:53:41 AM



#94
 Hexachlorobutadiene
 Concen: 21.050 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116349		
223	63.2	31.4	94.2	
227	64.3	32.1	96.5	





#95

Naphthalene

Concen: 17.590 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

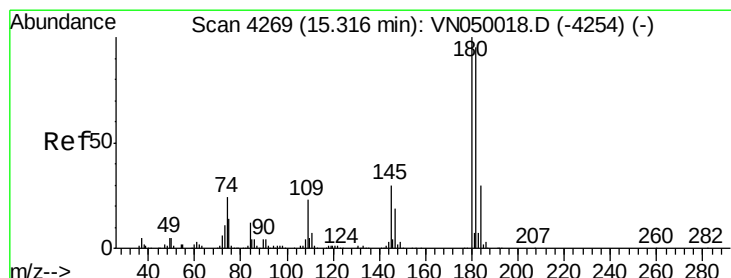
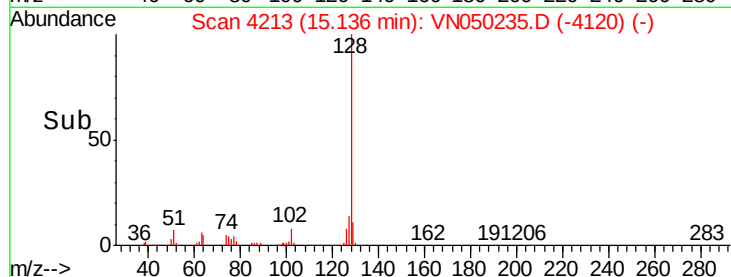
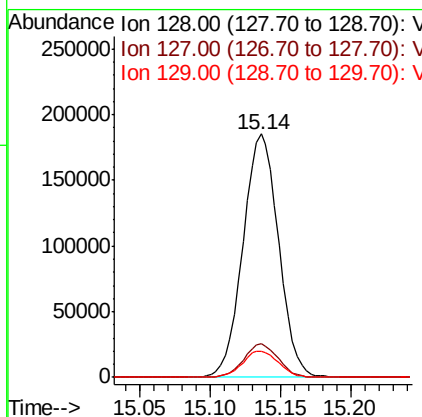
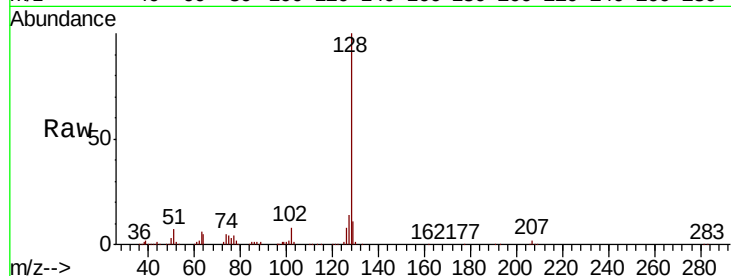
ClientSampled :

VN0801WBS01

Tot Ion:	128	Resp:	327117
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:53:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.151 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion:	180	Resp:	165330
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.1	144.4
145	30.3	15.3	45.9

