

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052891.D
 Acq On : 14 Dec 2018 16:25
 Operator : MD\SY
 Sample : VN1214WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 3:05:55 PM

Quant Time: Dec 15 03:31:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1143205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1717825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1526305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	716431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	590565	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.59	113	391511	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	
50) Toluene-d8	10.09	98	2139322	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.40	95	736913	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	219060	18.615	ug/l	100
3) Chloromethane	2.06	50	253533	17.950	ug/l	99
4) Vinyl Chloride	2.19	62	261031	18.473	ug/l	99
5) Bromomethane	2.58	94	161591	18.541	ug/l	100
6) Chloroethane	2.71	64	155156	18.576	ug/l	99
7) Trichlorofluoromethane	3.03	101	327126	18.673	ug/l	99
8) Diethyl Ether	3.41	74	118952	18.614	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	210725	19.408	ug/l	99
10) Methyl Iodide	3.96	142	282295	18.566	ug/l	100
11) Tert butyl alcohol	4.77	59	57373	84.472	ug/l	99
12) 1,1-Dichloroethene	3.74	96	195646	18.614	ug/l	100
13) Acrolein	3.61	56	15195	23.762	ug/l	97
14) Allyl chloride	4.33	41	319748	18.625	ug/l	98
15) Acrylonitrile	4.99	53	333290	87.470	ug/l	98
16) Acetone	3.82	43	198388	72.668	ug/l	96
17) Carbon Disulfide	4.06	76	570650	17.674	ug/l	99
18) Methyl Acetate	4.32	43	178531	17.819	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	518857	18.184	ug/l	99
20) Methylene Chloride	4.56	84	222145	18.081	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	206496	18.134	ug/l	98
22) Diisopropyl ether	5.95	45	675762	18.451	ug/l	98
23) Vinyl Acetate	5.90	43	1891620	86.800	ug/l	99
24) 1,1-Dichloroethane	5.85	63	390751	18.501	ug/l	99
25) 2-Butanone	6.83	43	338947	80.015	ug/l	99
26) 2,2-Dichloropropane	6.83	77	298328	19.181	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	239675	18.545	ug/l	99
28) Bromochloromethane	7.20	49	187913	19.814	ug/l	97
29) Tetrahydrofuran	7.21	42	246036	85.078	ug/l	99
30) Chloroform	7.37	83	383829	18.636	ug/l	98
31) Cyclohexane	7.66	56	382569	18.204	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	324085	18.807	ug/l	100
36) 1,1-Dichloropropene	7.79	75	304037	19.220	ug/l	99
37) Ethyl Acetate	6.93	43	164874	17.350	ug/l	100
38) Carbon Tetrachloride	7.77	117	275012	18.888	ug/l	99

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MMDadoda
 12/17/2018 3:05:55 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	371360	19.130	ug/l	99
40) Benzene	8.04	78	900132	18.959	ug/l	99
41) Methacrylonitrile	7.18	41	98239m	18.658	ug/l	
42) 1,2-Dichloroethane	8.13	62	271179	18.972	ug/l	100
43) Isopropyl Acetate	8.16	43	319078	16.377	ug/l	99
44) Trichloroethene	8.84	130	264760	20.645	ug/l	96
45) 1,2-Dichloropropane	9.12	63	235418	18.931	ug/l	98
46) Dibromomethane	9.21	93	133015	18.443	ug/l	98
47) Bromodichloromethane	9.40	83	284951	19.053	ug/l	99
48) Methyl methacrylate	9.20	41	155323	18.178	ug/l	97
49) 1,4-Dioxane	9.20	88	37648	388.176	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	802780	89.856	ug/l	100
52) Toluene	10.16	92	560774	19.501	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	283744	18.854	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	343056	19.129	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191675	18.673	ug/l	97
56) Ethyl methacrylate	10.43	69	244376	18.551	ug/l	98
57) 1,3-Dichloropropane	10.71	76	334916	19.026	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	698258	94.994	ug/l	98
59) 2-Hexanone	10.75	43	527676	86.183	ug/l	100
60) Dibromochloromethane	10.90	129	207088	18.667	ug/l	99
61) 1,2-Dibromoethane	11.01	107	186921	18.422	ug/l	97
64) Tetrachloroethene	10.63	164	323839	24.686	ug/l	99
65) Chlorobenzene	11.43	112	612119	19.331	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	210218	19.088	ug/l	100
67) Ethyl Benzene	11.51	91	1059954	19.492	ug/l	100
68) m/p-Xylenes	11.62	106	807540	39.549	ug/l	100
69) o-Xylene	11.95	106	394528	19.787	ug/l	100
70) Styrene	11.96	104	641036	20.000	ug/l	99
71) Bromoform	12.13	173	136461	18.239	ug/l #	100
73) Isopropylbenzene	12.25	105	1053359	19.692	ug/l	100
74) N-amyl acetate	12.07	43	271807	18.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172071	14.353	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	187357m	17.725	ug/l	
77) Bromobenzene	12.53	156	267106	19.632	ug/l	96
78) n-propylbenzene	12.59	91	1203322	19.725	ug/l	100
79) 2-Chlorotoluene	12.68	91	701052	19.438	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	848366	19.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59700	18.144	ug/l	98
82) 4-Chlorotoluene	12.77	91	713483	19.349	ug/l	99
83) tert-Butylbenzene	12.99	119	749251	19.670	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	870609	19.916	ug/l	100
85) sec-Butylbenzene	13.17	105	1028772	19.943	ug/l	100
86) p-Isopropyltoluene	13.29	119	890080	19.915	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	461809	19.101	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	458137	19.134	ug/l	99
89) n-Butylbenzene	13.62	91	755666	20.085	ug/l	99
90) Hexachloroethane	13.88	117	129131	17.255	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	437644	18.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30884	17.090	ug/l	98

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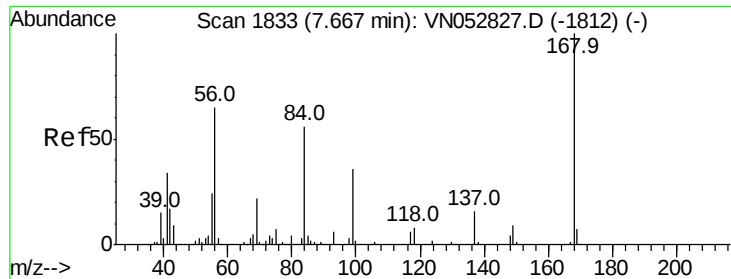
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	237924	18.820	ug/l	100
94) Hexachlorobutadiene	15.01	225	142861	19.523	ug/l	98
95) Naphthalene	15.13	128	483071	18.449	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	211393	18.223	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

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ClientSampleId :

VN1214WBS02

Tot Ion:168 Resp: 1143205

Ion Ratio Lower Upper

168 100

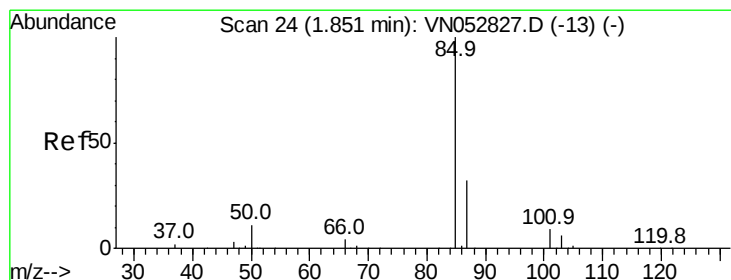
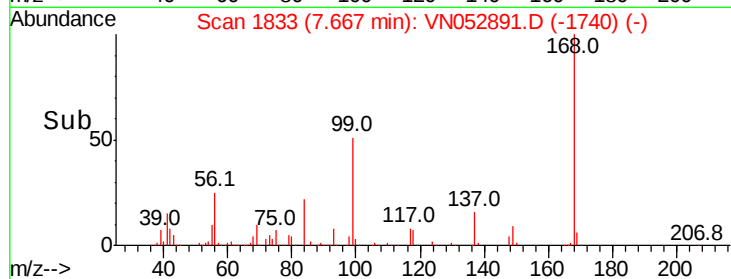
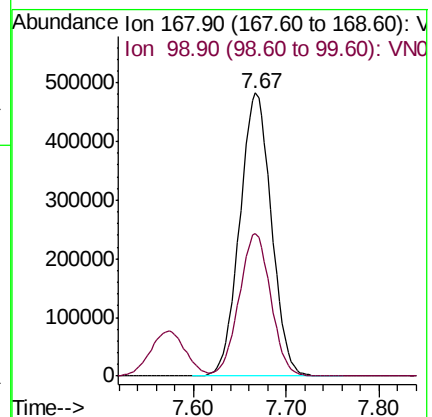
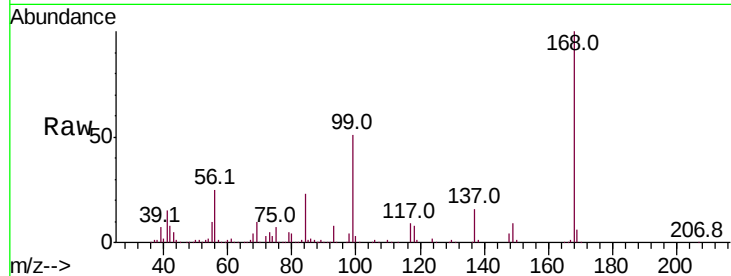
99 50.5 40.2 60.2

Manual Integrations

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12/17/2018 3:05:55 PM



#2

Dichlorodifluoromethane

Concen: 18.615 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052891.D

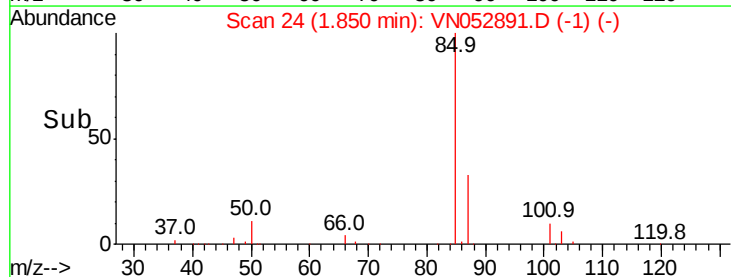
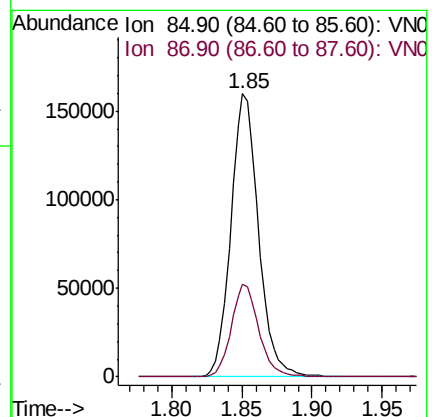
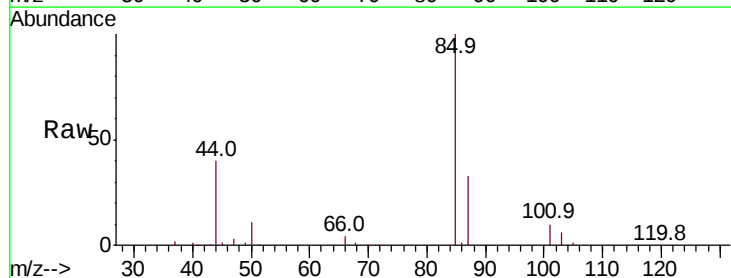
Acq: 14 Dec 2018 16:25

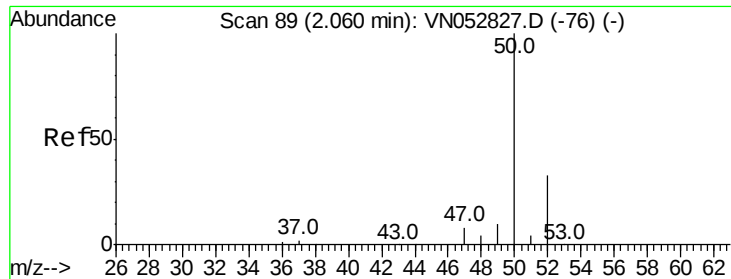
Tgt Ion: 85 Resp: 219060

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8





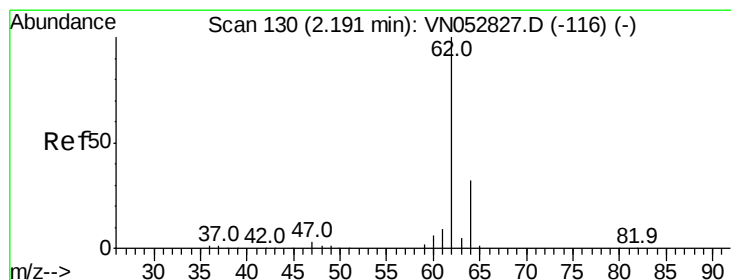
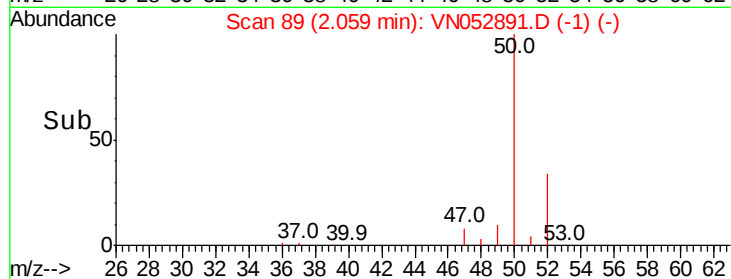
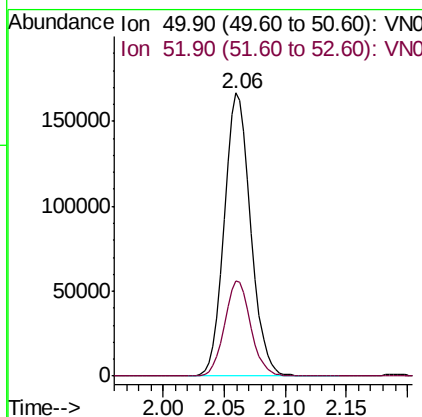
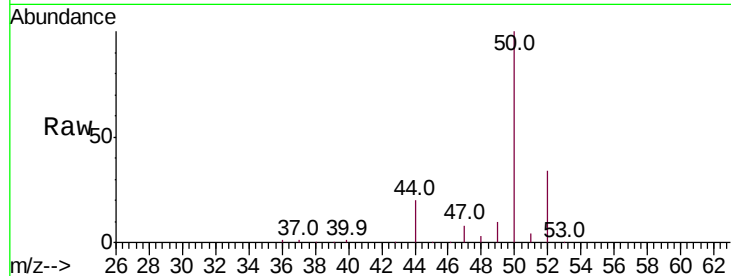
#3
Chloromethane
Concen: 17.950 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion: 50 Resp: 253533
Ion Ratio Lower Upper
50 100
52 33.6 26.2 39.4

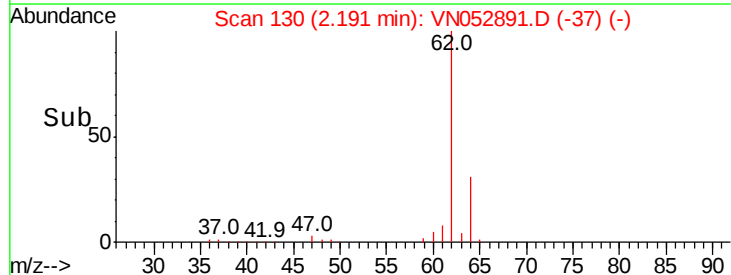
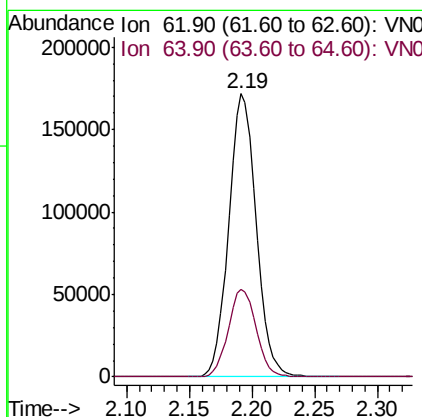
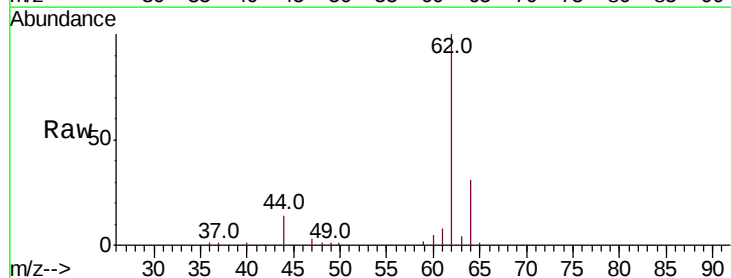
Manual Integrations
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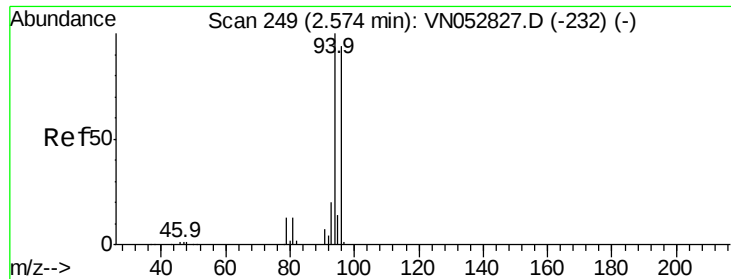
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12/17/2018 3:05:55 PM



#4
Vinyl Chloride
Concen: 18.473 ug/l
RT: 2.19 min Scan# 130
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion: 62 Resp: 261031
Ion Ratio Lower Upper
62 100
64 31.1 25.5 38.3





#5

Bromomethane

Concen: 18.541 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 94 Resp: 161591

Ion Ratio Lower Upper

94 100

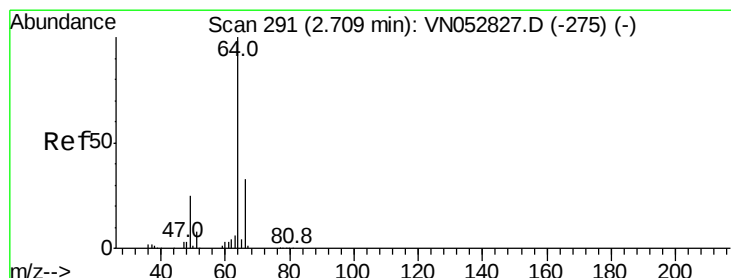
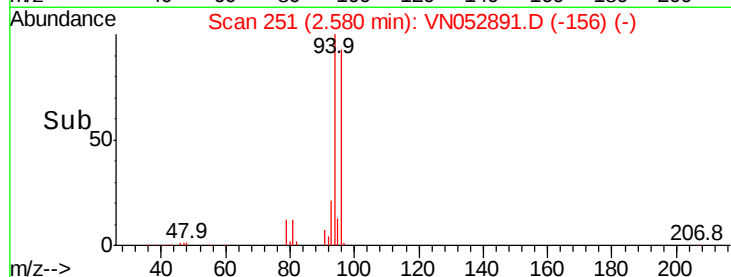
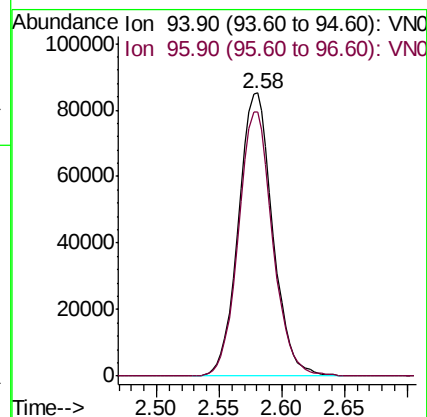
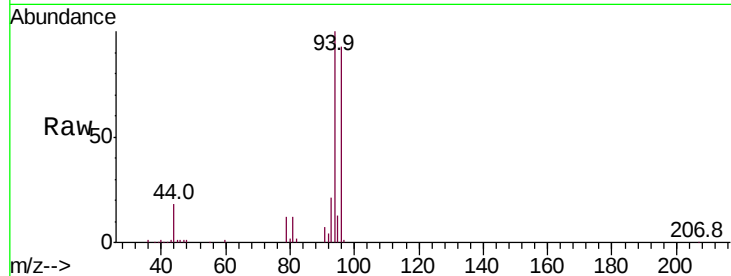
96 93.3 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 18.576 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052891.D

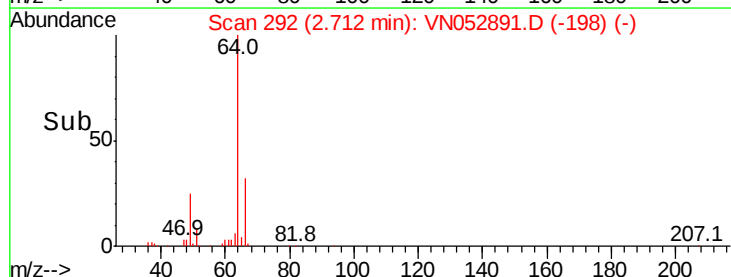
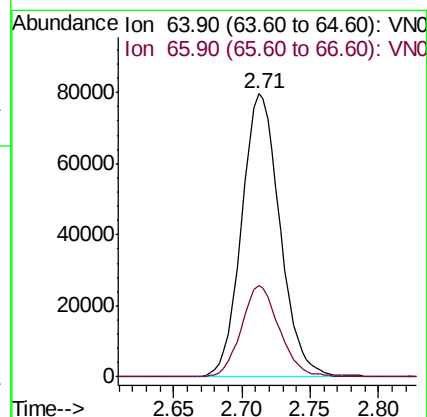
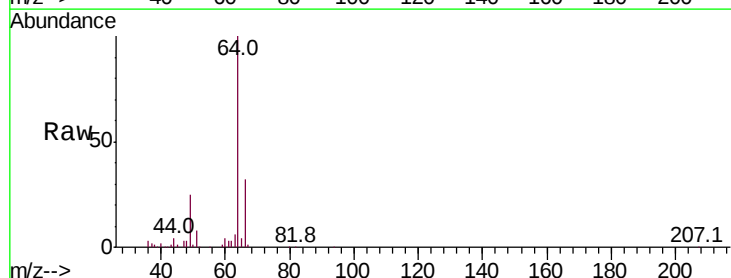
Acq: 14 Dec 2018 16:25

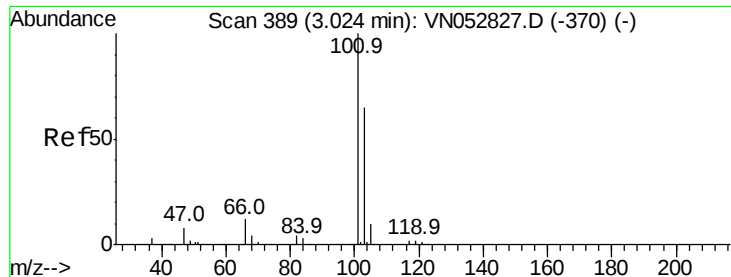
Tgt Ion: 64 Resp: 155156

Ion Ratio Lower Upper

64 100

66 32.3 26.2 39.2





#7

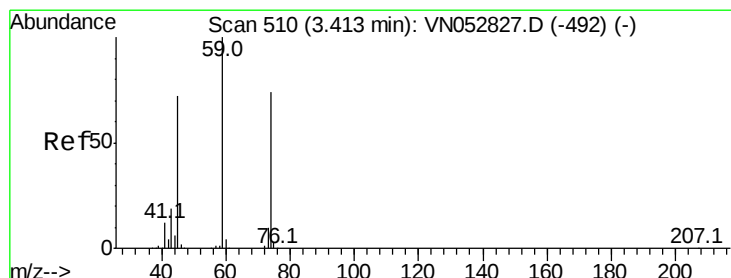
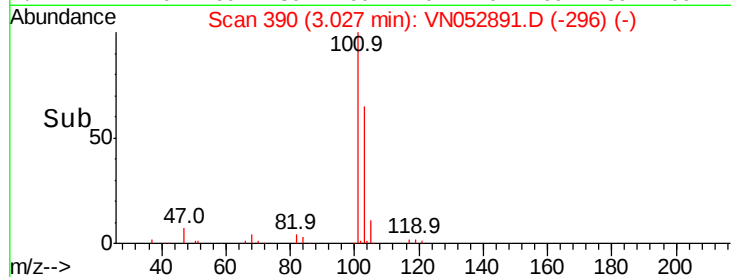
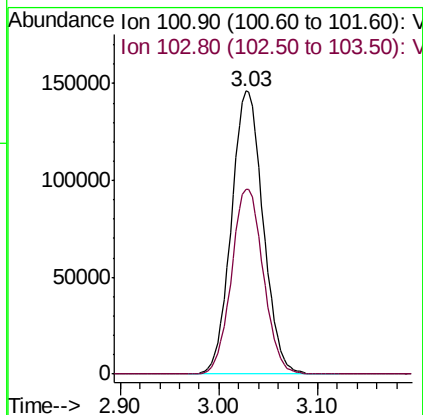
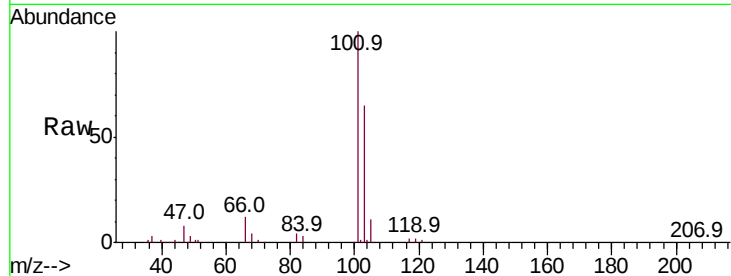
Trichlorofluoromethane
 Concen: 18.673 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
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 ClientSampleId :
 VN1214WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

Manual Integrations
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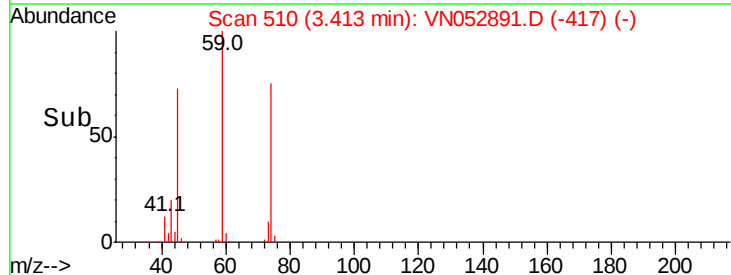
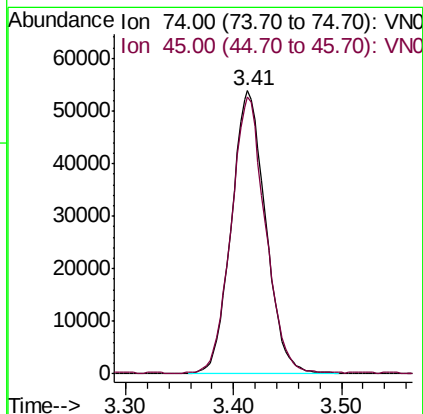
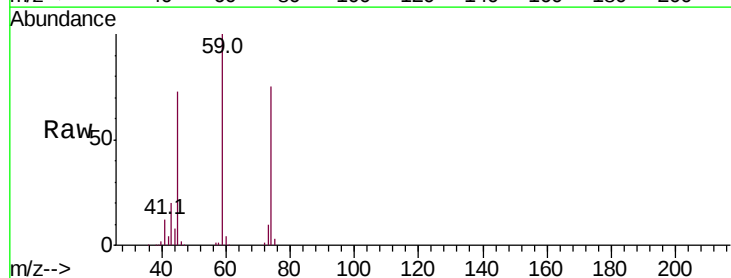
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 12/17/2018 3:05:55 PM

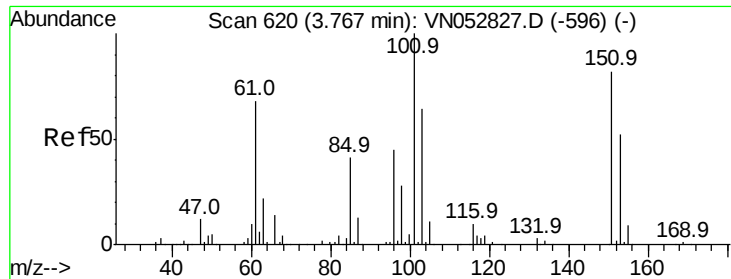


#8

Diethyl Ether
 Concen: 18.614 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.4	148.0





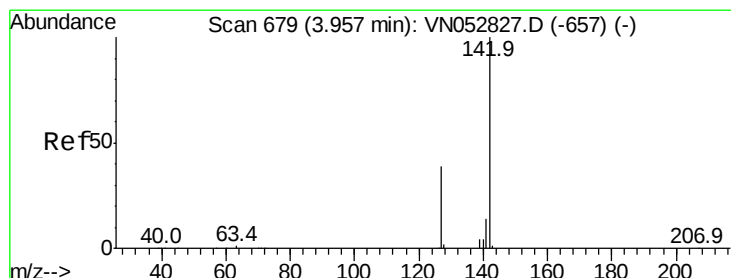
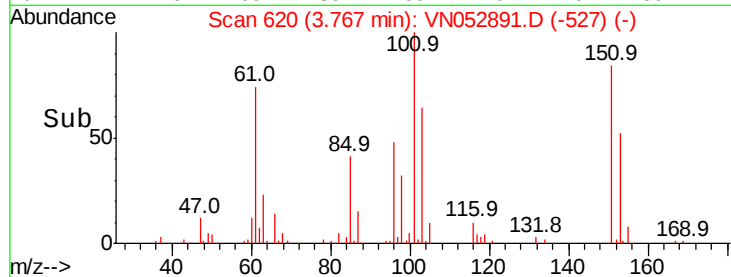
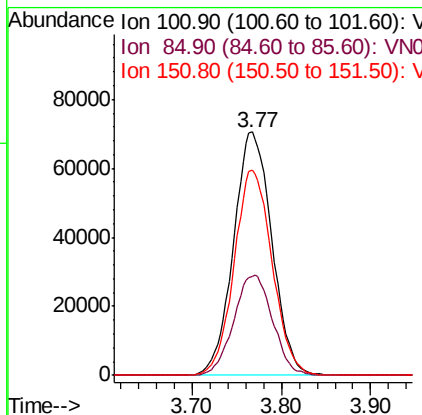
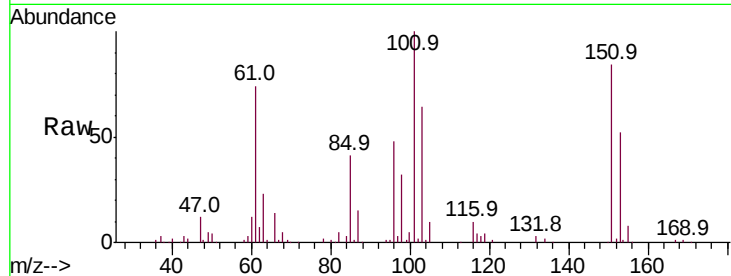
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.408 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	210725		
85	41.6	33.6	50.4	
151	83.5	65.5	98.3	

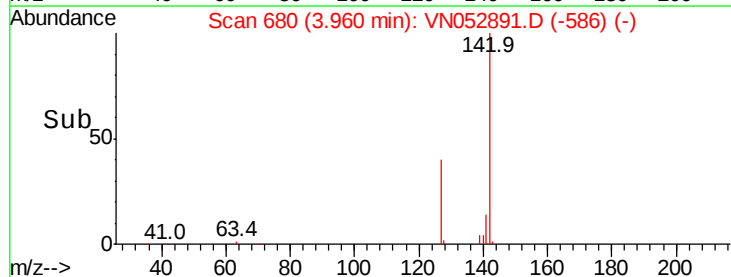
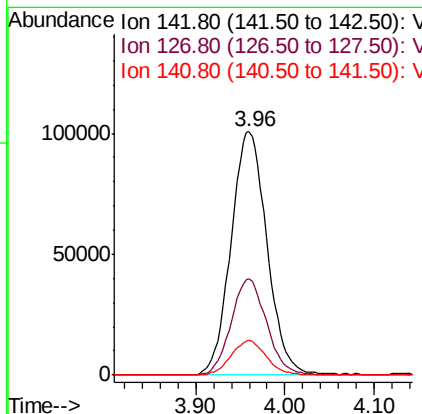
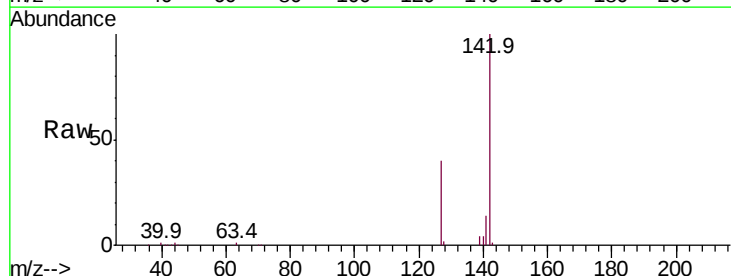
Manual Integrations
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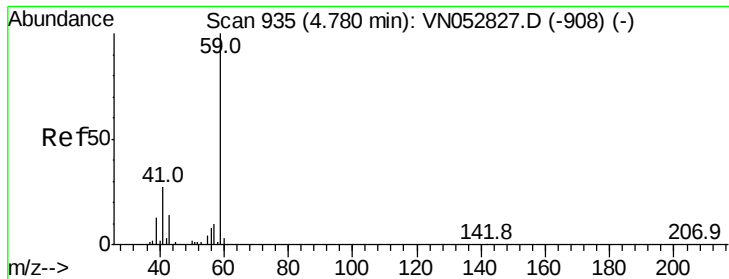
MMDadoda
 12/17/2018 3:05:55 PM



#10
 Methyl Iodide
 Concen: 18.566 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	282295		
127	39.1	31.0	46.6	
141	14.1	11.2	16.8	





#11

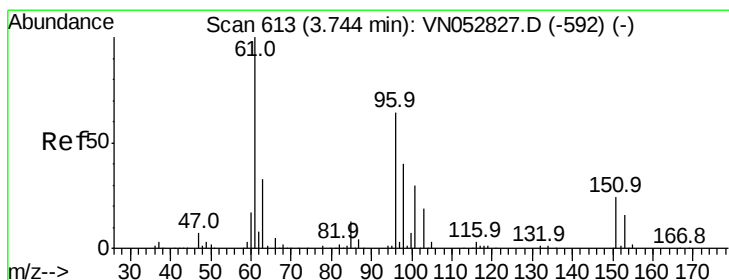
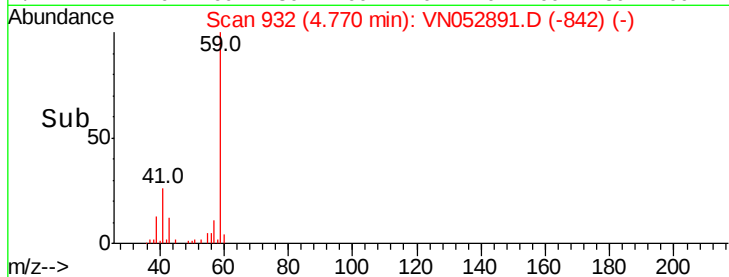
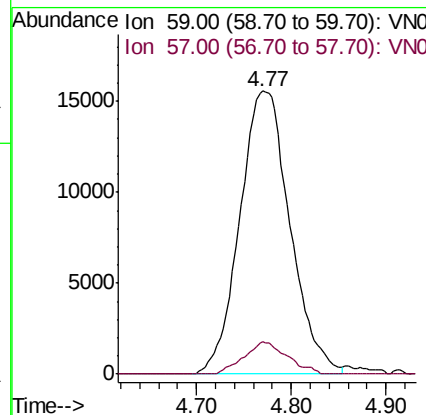
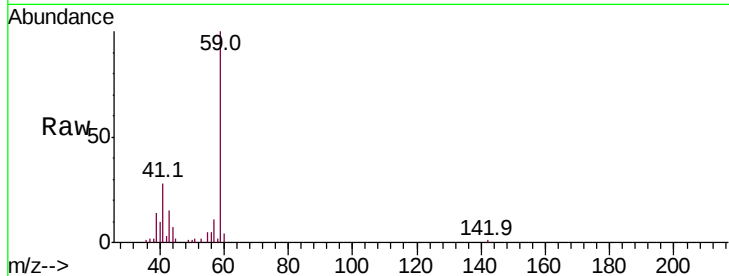
Tert butyl alcohol
Concen: 84.472 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	59	Resp	57373
Ion Ratio	100	Lower	Upper
57	9.9	7.7	11.5

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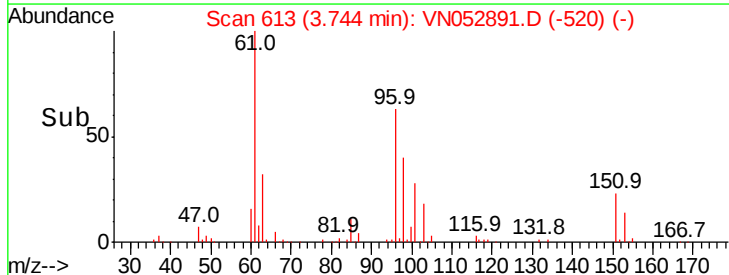
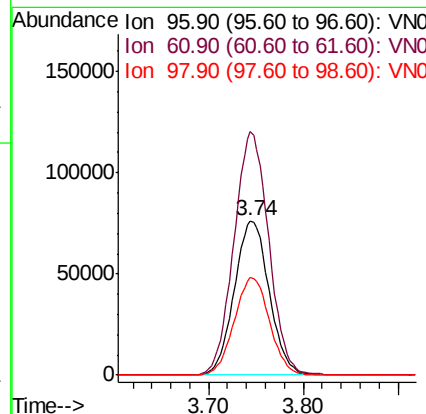
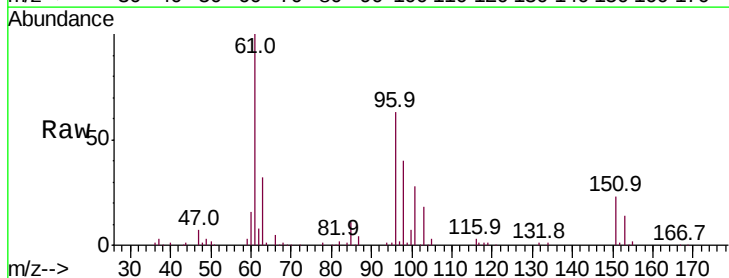
MMDadoda
12/17/2018 3:05:55 PM

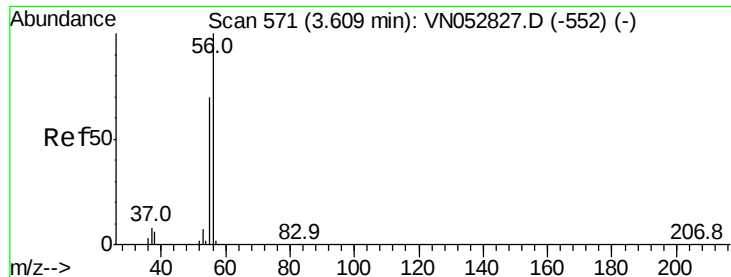


#12

1,1-Dichloroethene
Concen: 18.614 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	96	Resp	195646
Ion Ratio	100	Lower	Upper
61	157.7	125.6	188.4
98	63.1	50.6	75.8





#13

Acrolein

Concen: 23.762 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 56 Resp: 15195

Ion Ratio Lower Upper

56 100

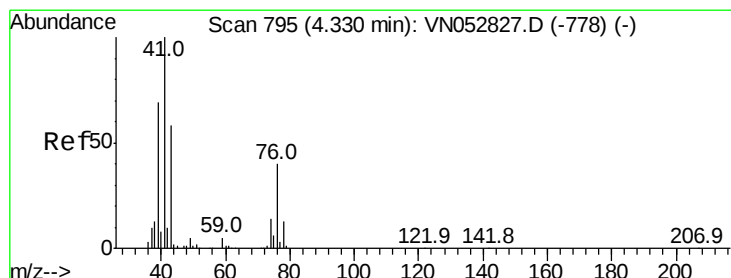
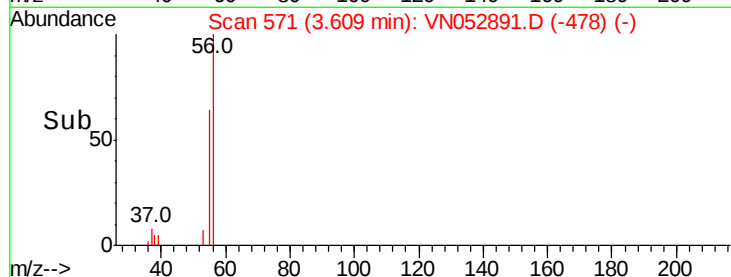
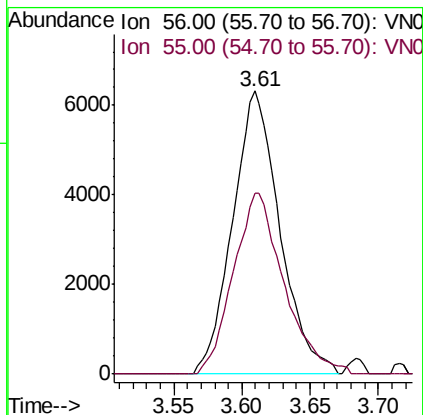
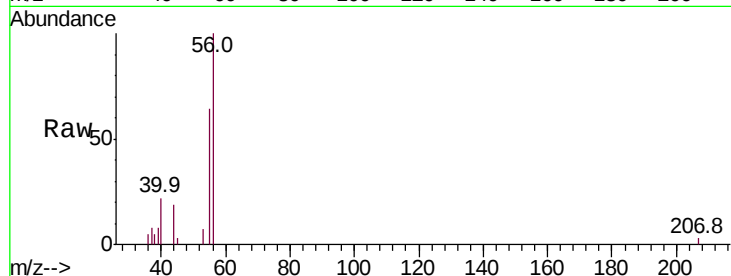
55 68.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.625 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

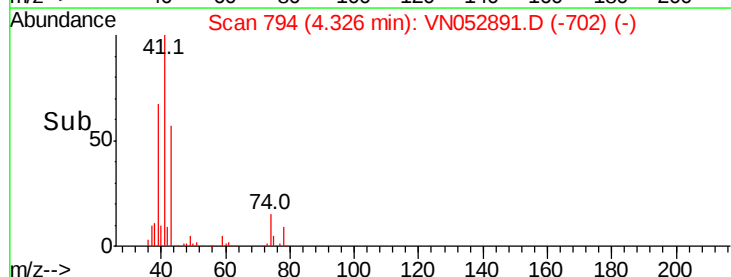
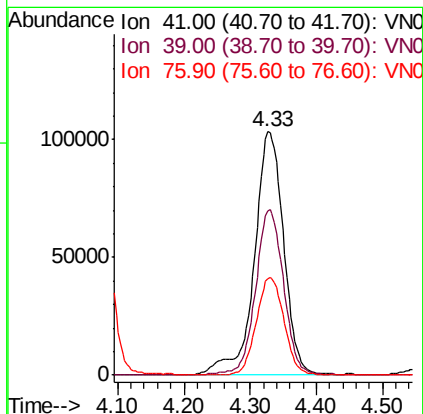
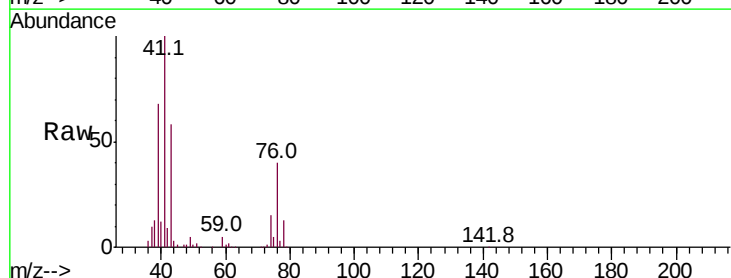
Tgt Ion: 41 Resp: 319748

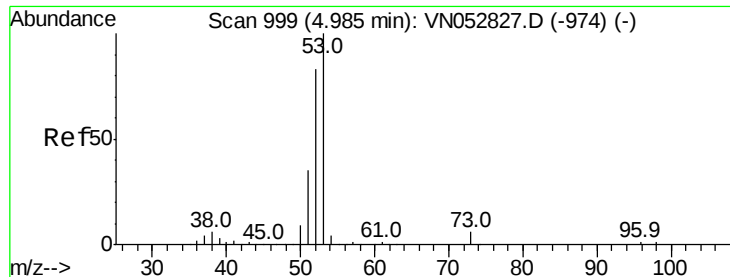
Ion Ratio Lower Upper

41 100

39 64.8 54.1 81.1

76 37.7 30.3 45.5





#15

Acrylonitrile

Concen: 87.470 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

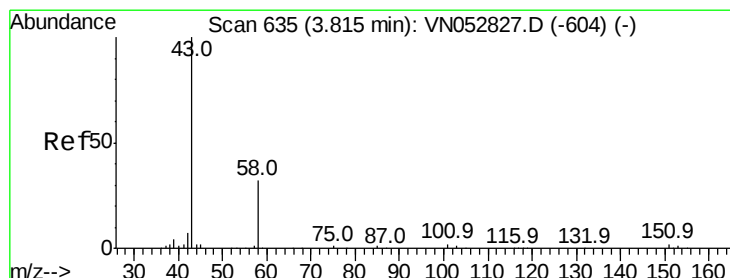
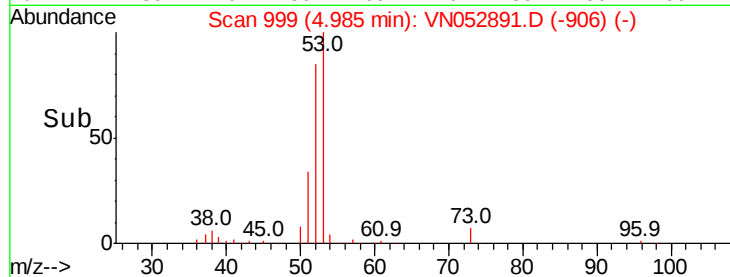
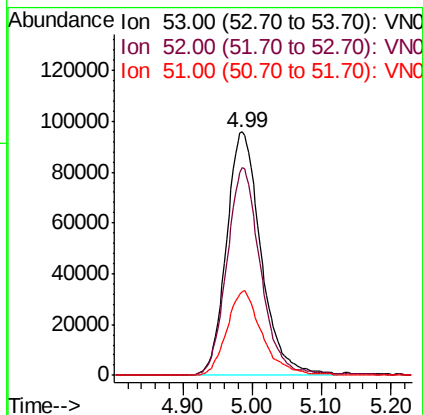
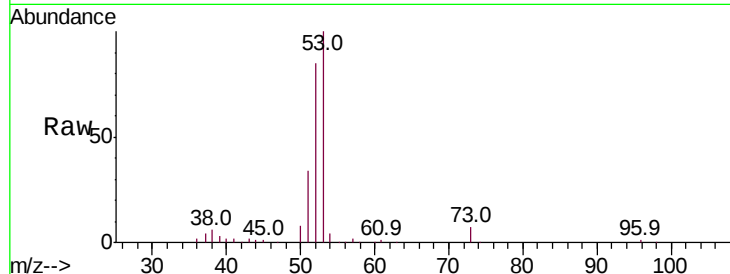
ClientSampleId :

VN1214WBS02

Tot Ion:	53	Resp:	333290
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.1	97.7
51	35.2	28.1	42.1

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#16

Acetone

Concen: 72.668 ug/l

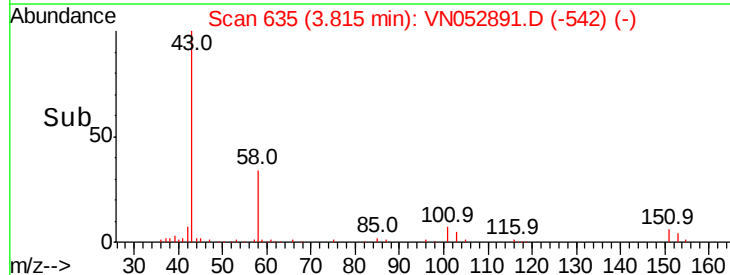
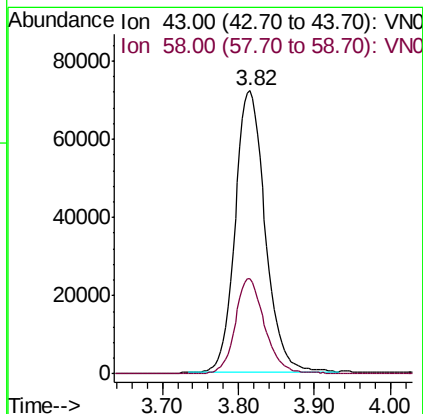
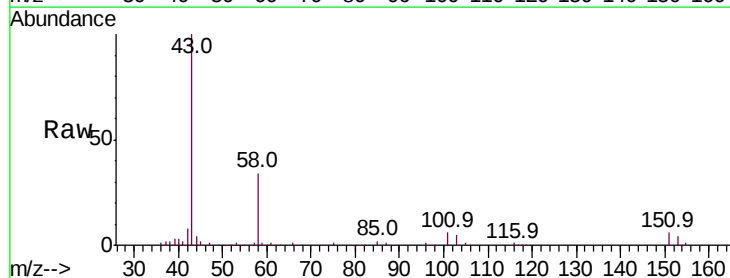
RT: 3.82 min Scan# 635

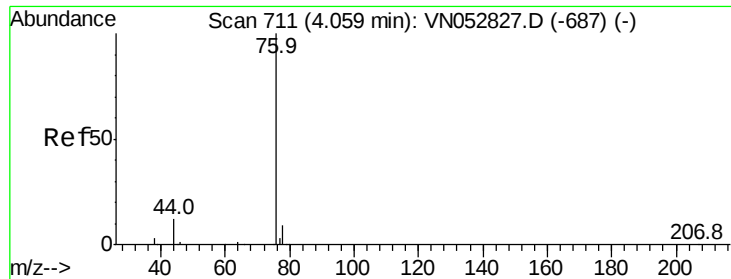
Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Tgt Ion:	43	Resp:	198388
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.4	38.0





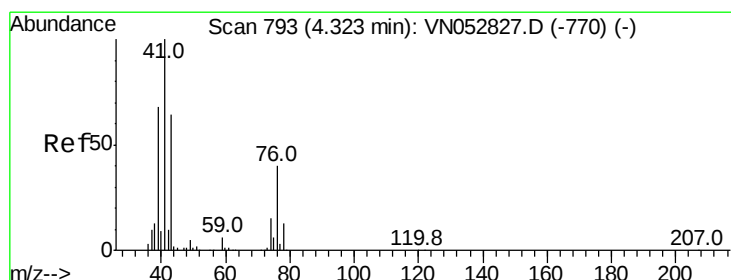
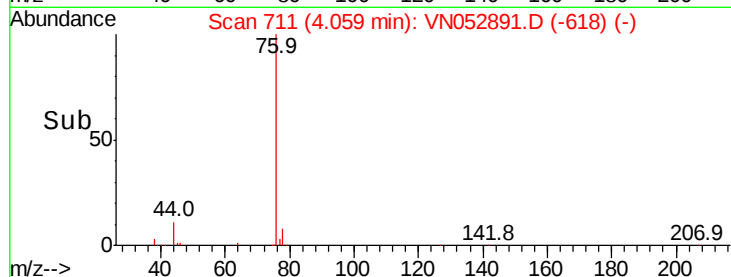
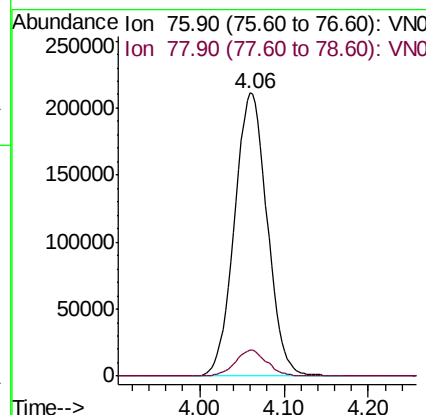
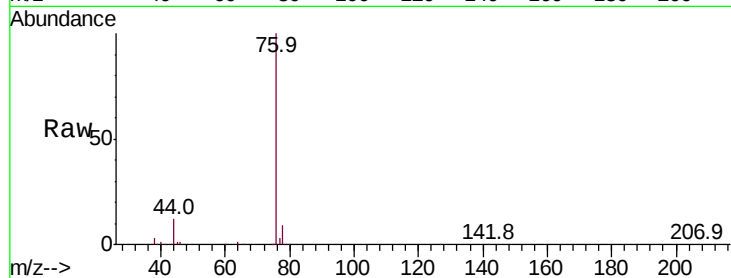
#17
Carbon Disulfide
Concen: 17.674 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

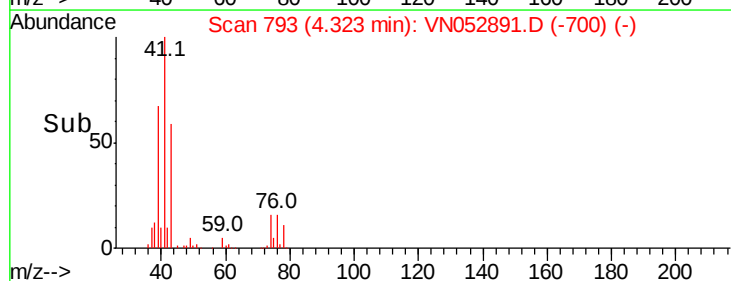
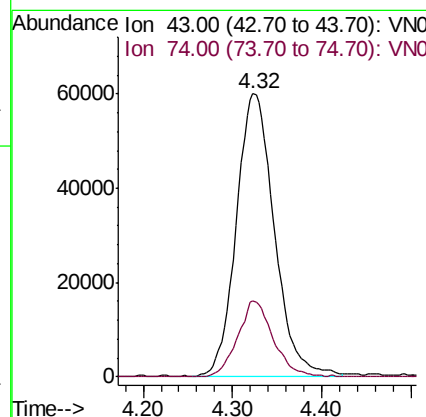
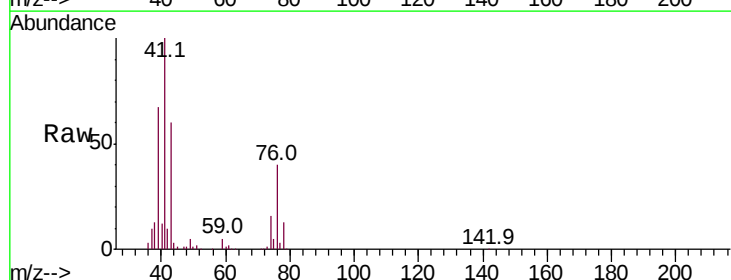
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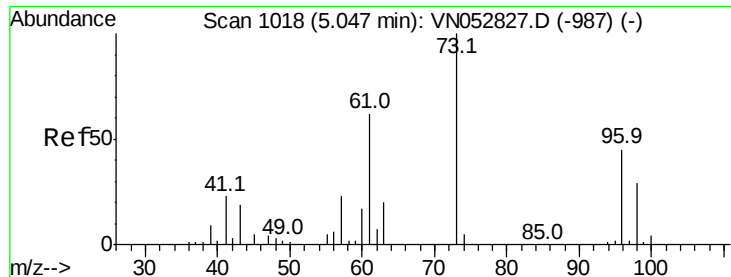
MMDadoda
12/17/2018 3:05:55 PM



#18
Methyl Acetate
Concen: 17.819 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.2	28.8





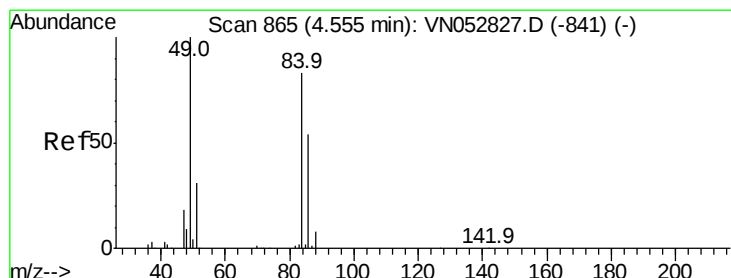
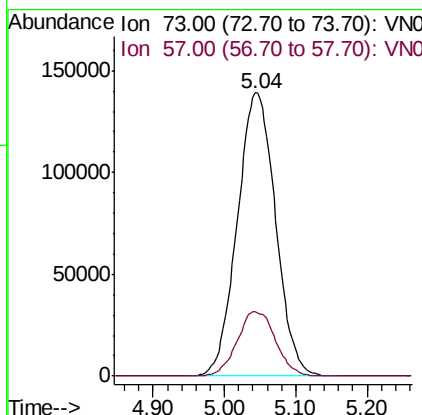
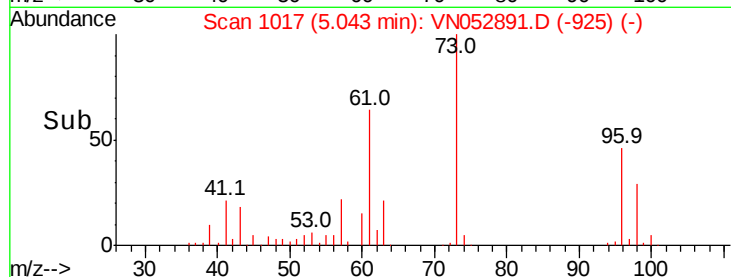
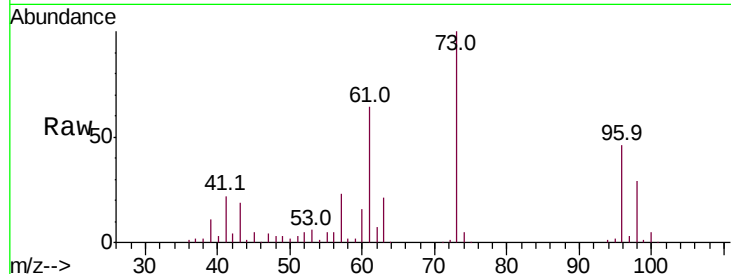
#19
Methvl tert-butvl Ether
Concen: 18.184 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.4	27.6

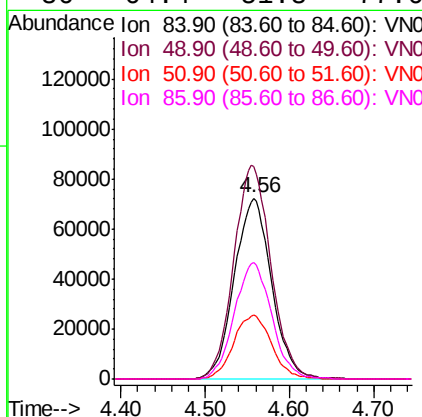
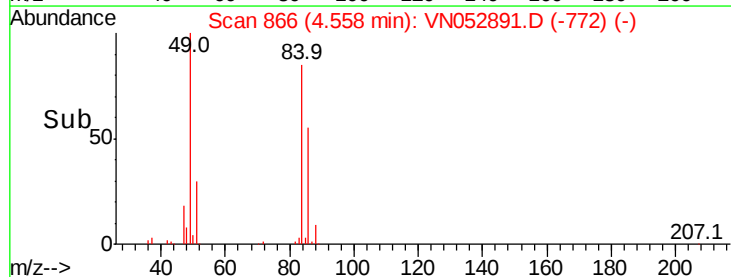
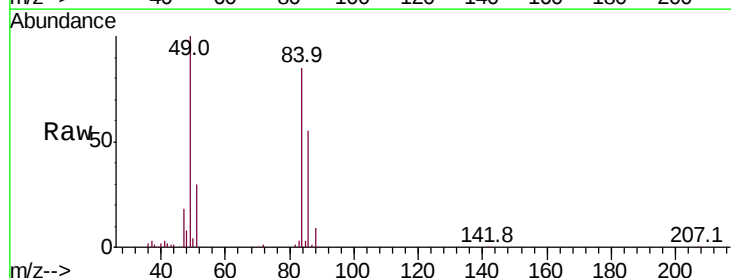
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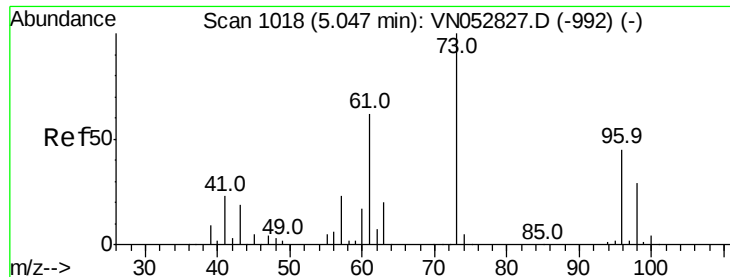
MMDadoda
12/17/2018 3:05:55 PM



#20
Methylene Chloride
Concen: 18.081 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.7	96.8	145.2
51	35.6	29.9	44.9
86	64.4	51.8	77.6





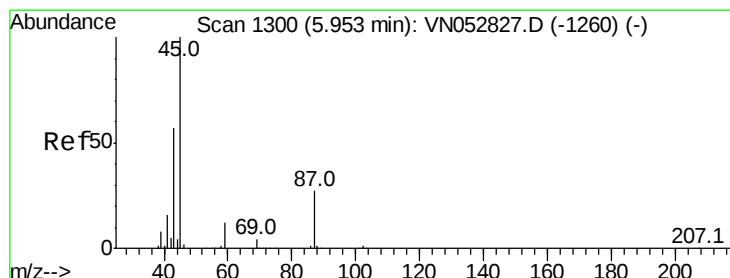
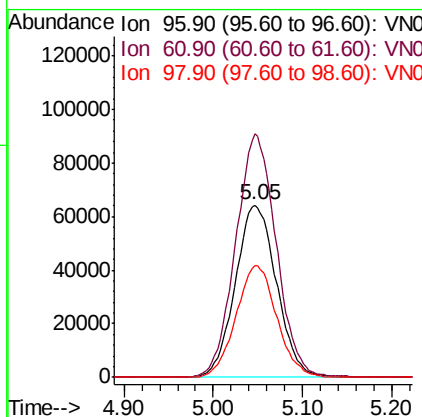
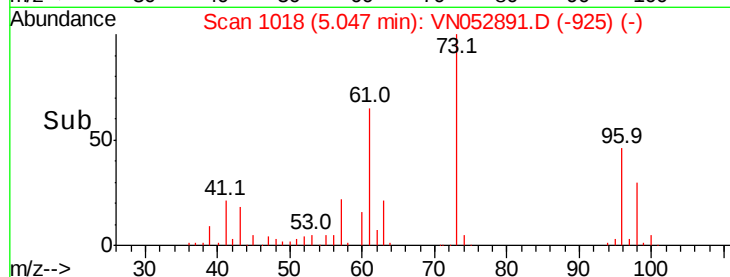
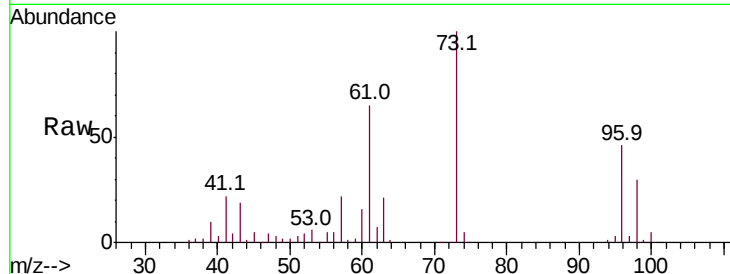
#21
trans-1,2-Dichloroethene
Concen: 18.134 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	110.8	166.2
98	64.8	51.4	77.2

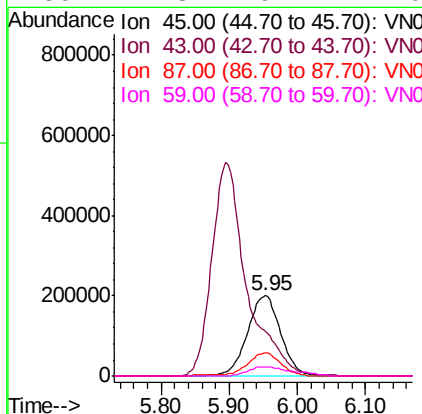
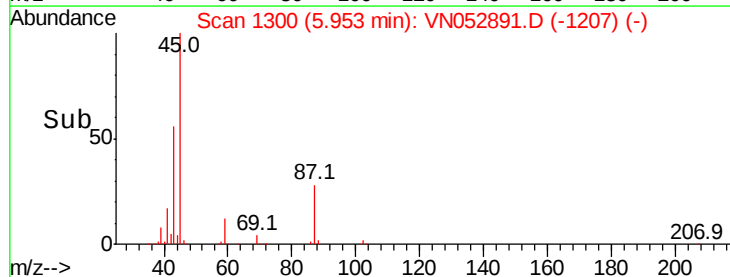
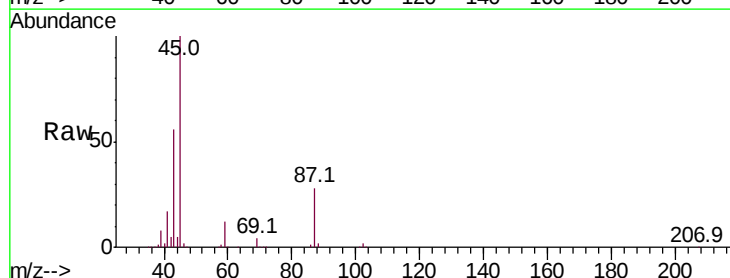
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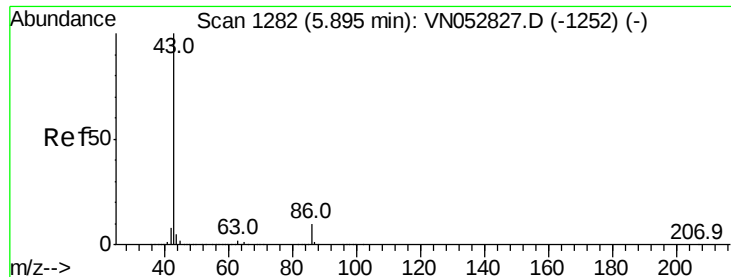
MMDadoda
12/17/2018 3:05:55 PM



#22
Diisopropyl ether
Concen: 18.451 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	45.5	68.3
87	28.2	22.0	33.0
59	11.3	9.4	14.0





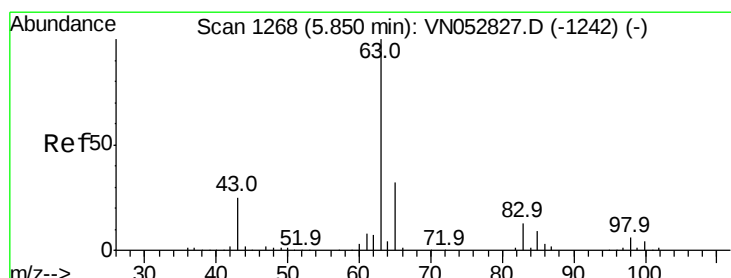
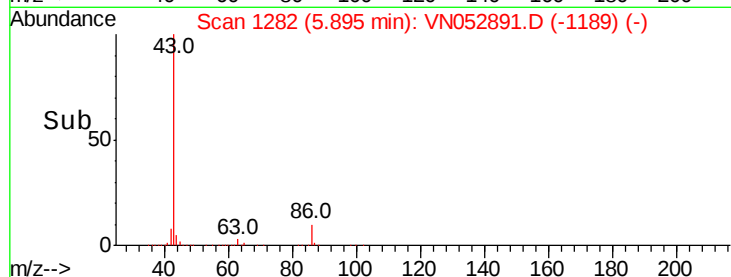
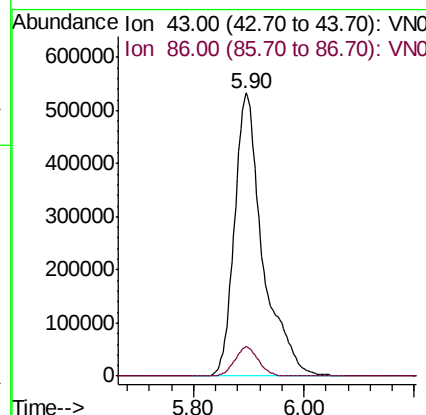
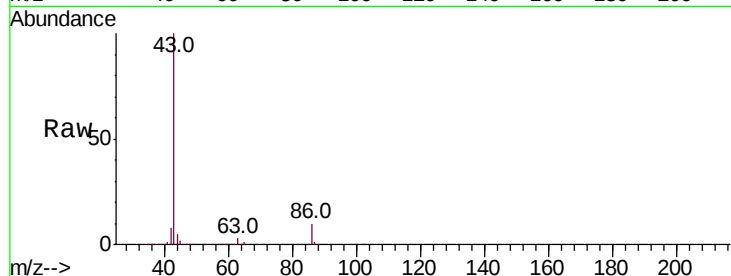
#23
 Vinyl Acetate
 Concen: 86.800 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Tot Ion: 43 Resp: 1891620
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.1 12.1

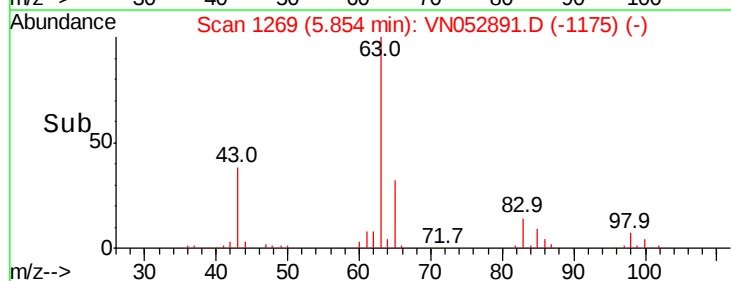
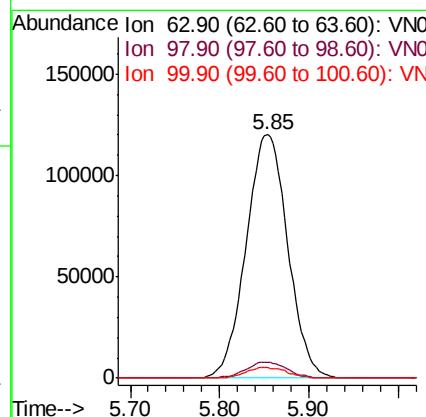
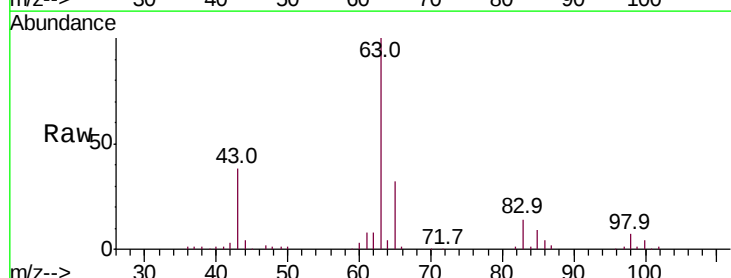
Manual Integrations
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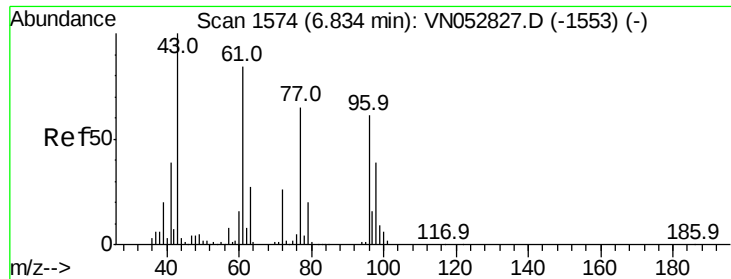
MMDadoda
 12/17/2018 3:05:55 PM



#24
 1,1-Dichloroethane
 Concen: 18.501 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion: 63 Resp: 390751
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 4.2 2.0 5.8





#25

2-Butanone

Concen: 80.015 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 43 Resp: 338947

Ion Ratio Lower Upper

43 100

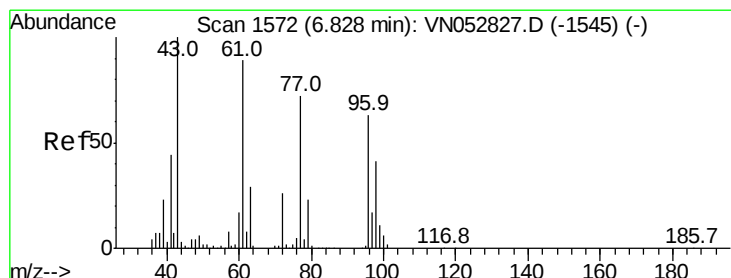
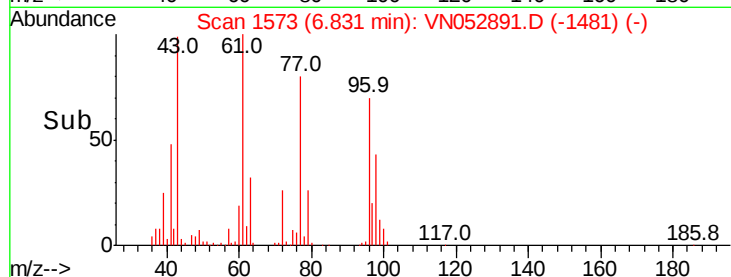
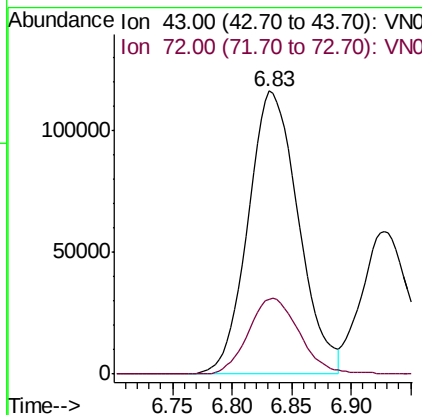
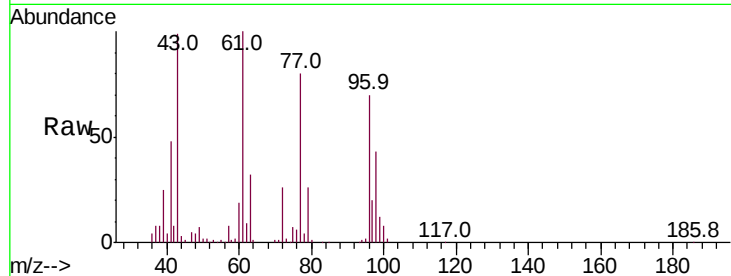
72 26.6 21.0 31.6

Manual Integrations

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MMDadoda

12/17/2018 3:05:55 PM



#26

2,2-Dichloropropane

Concen: 19.181 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052891.D

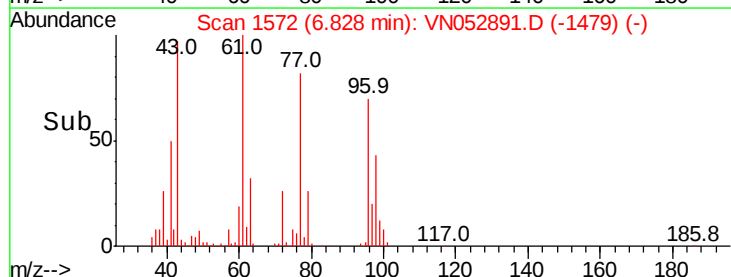
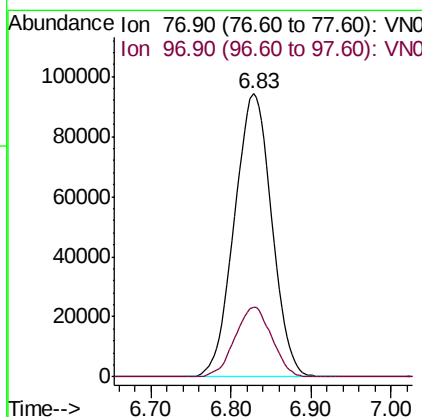
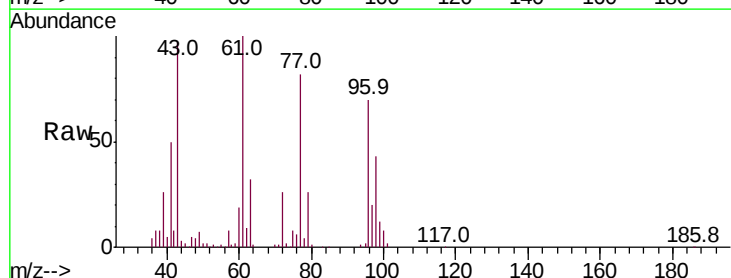
Acq: 14 Dec 2018 16:25

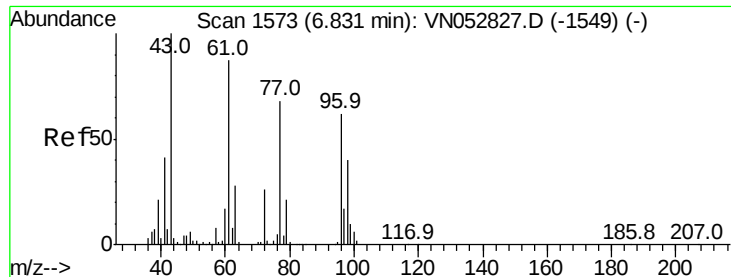
Tgt Ion: 77 Resp: 298328

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 18.545 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

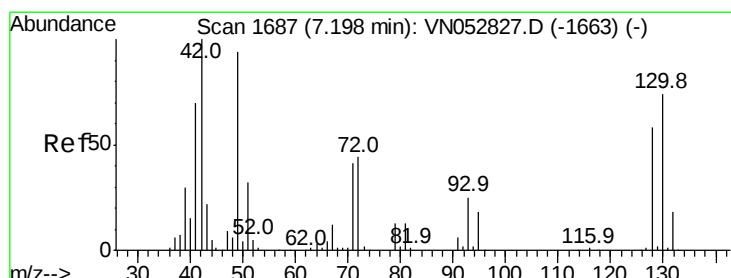
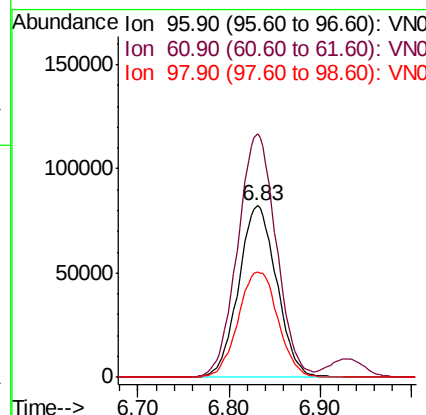
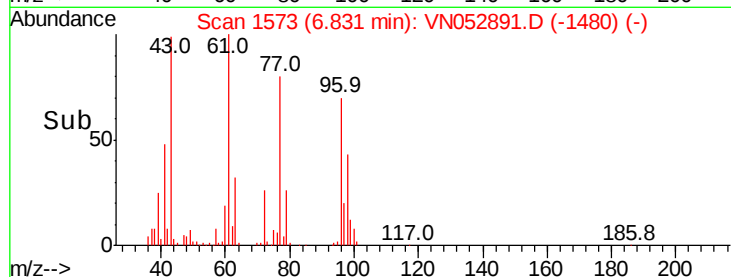
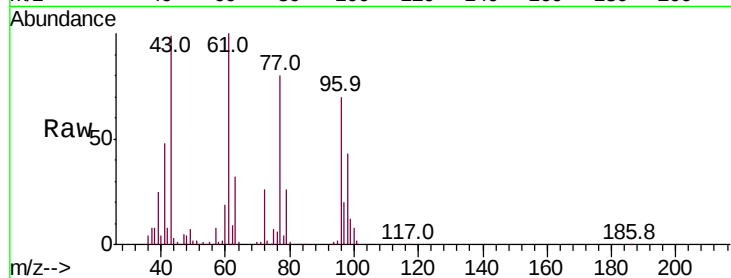
ClientSampleId :

VN1214WBS02

Tot Ion:	96	Resp:	239675
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	284.2
98	64.2	0.0	129.2

Manual Integrations
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12/17/2018 3:05:55 PM



#28

Bromochloromethane

Concen: 19.814 ug/l

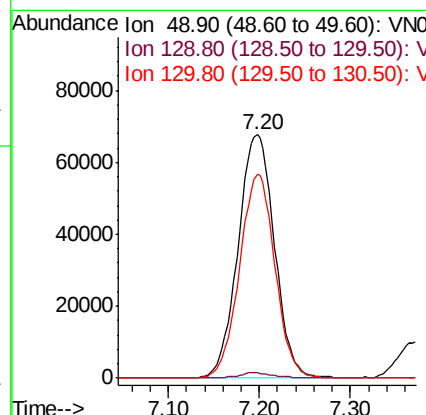
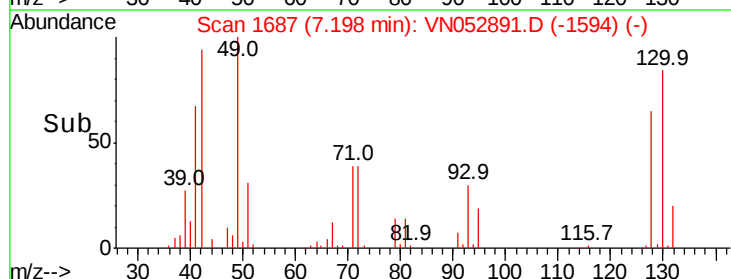
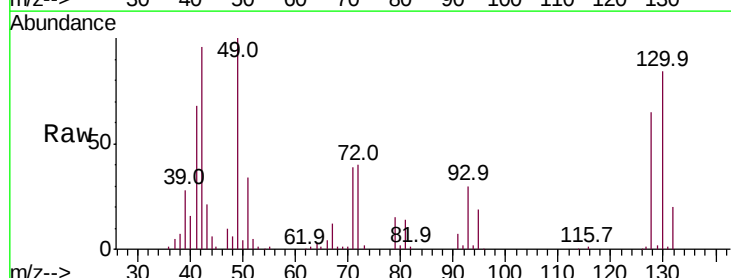
RT: 7.20 min Scan# 1687

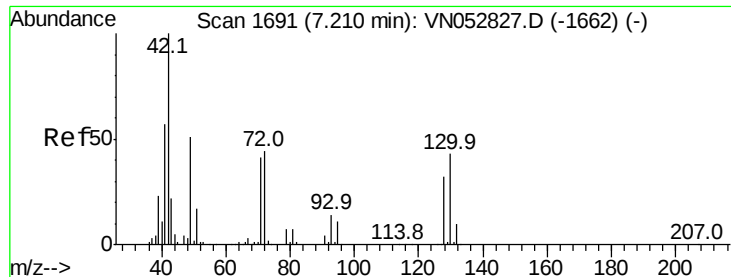
Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Tgt Ion:	49	Resp:	187913
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.6	63.3	94.9





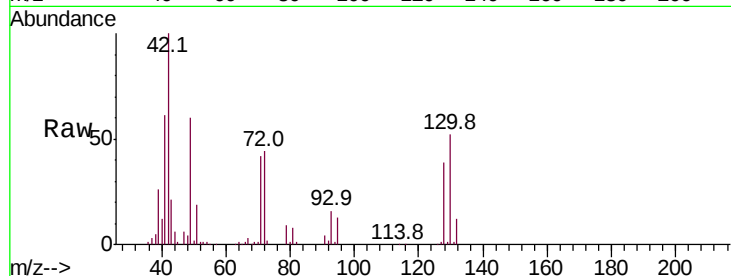
#29
Tetrahydrofuran
Concen: 85.078 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.7	52.1
71	41.1	32.3	48.5

Manual Integrations
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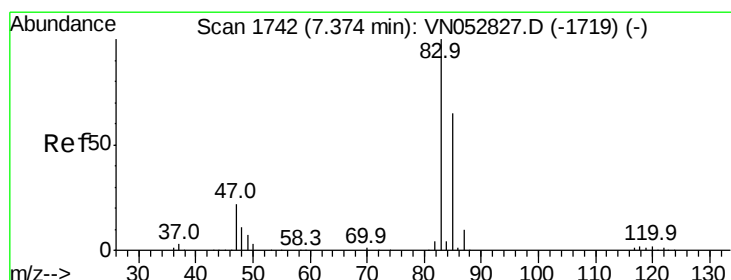
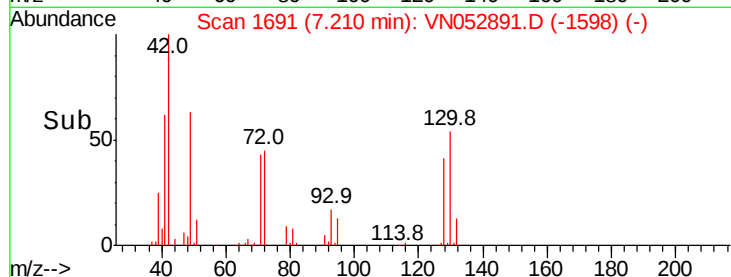
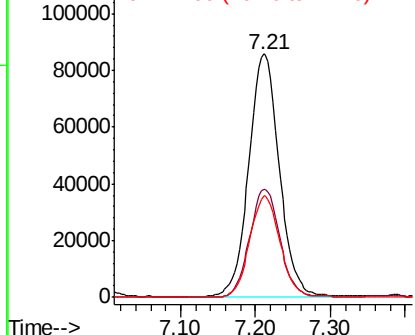


Abundance

Ion 42.00 (41.70 to 42.70): VN0

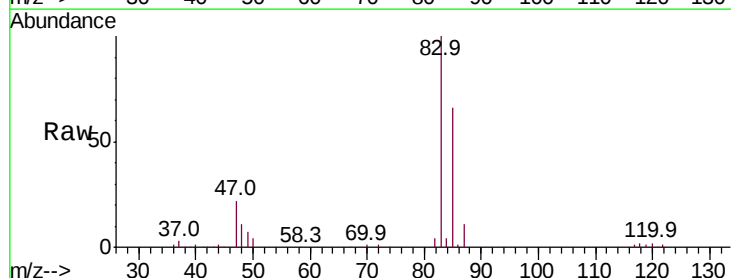
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 18.636 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

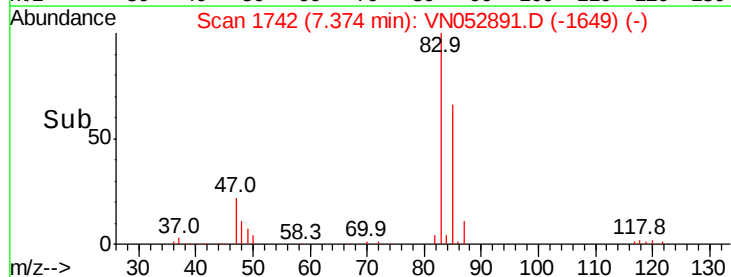
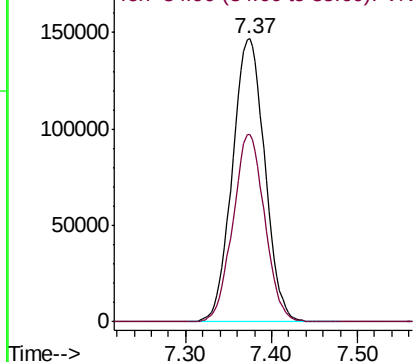
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.1	78.1

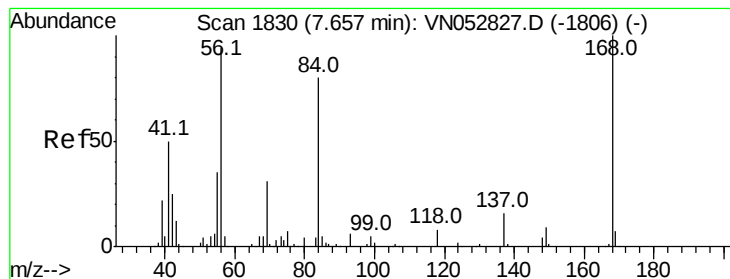


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.204 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 56 Resp: 382569

Ion Ratio Lower Upper

56 100

69 38.1 26.6 39.8

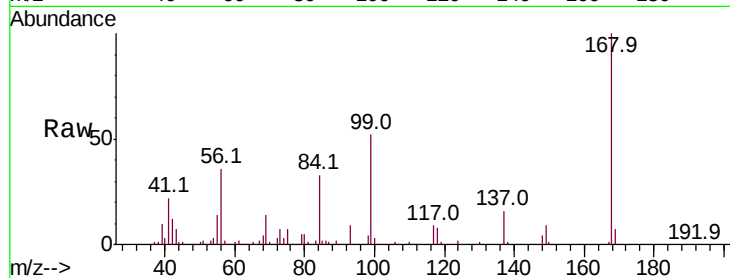
84 88.9 68.4 102.6

Manual Integrations

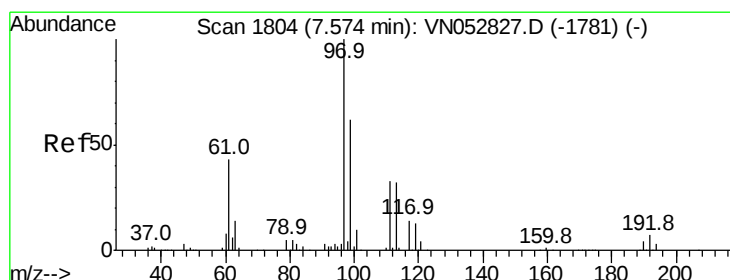
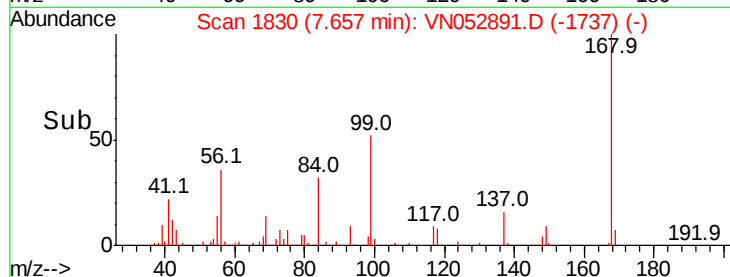
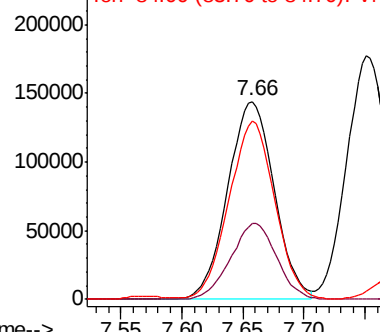
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 18.807 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

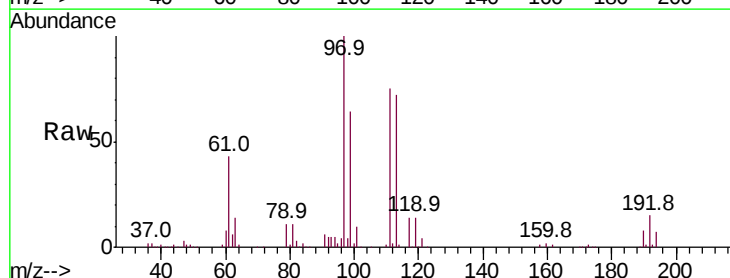
Tgt Ion: 97 Resp: 324085

Ion Ratio Lower Upper

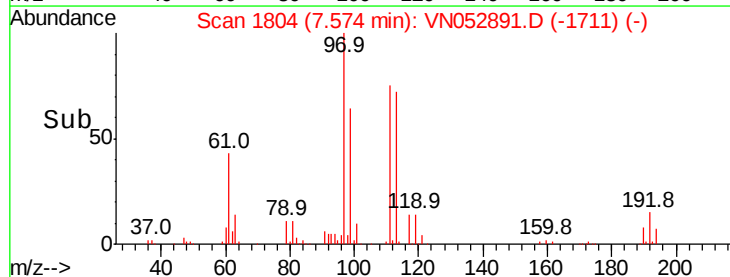
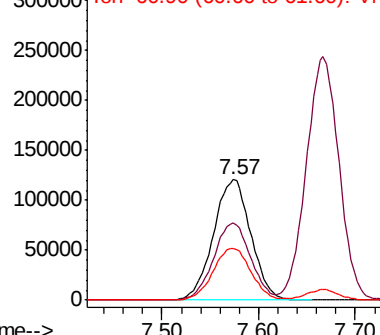
97 100

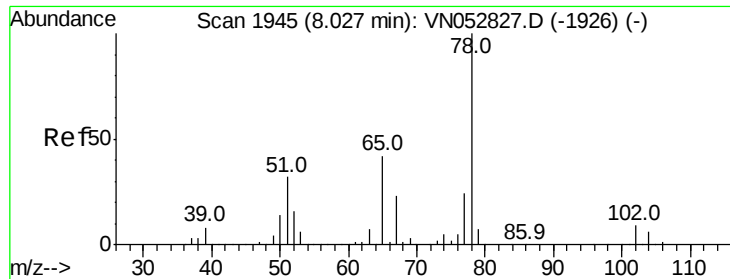
99 63.6 51.1 76.7

61 43.6 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





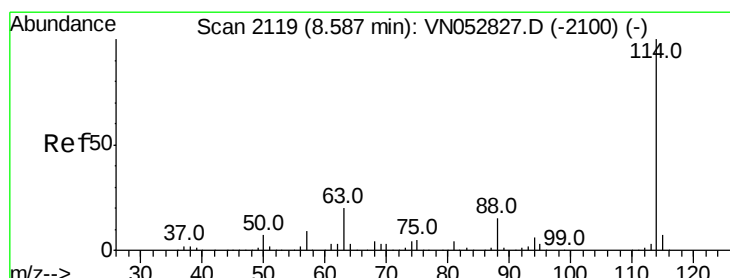
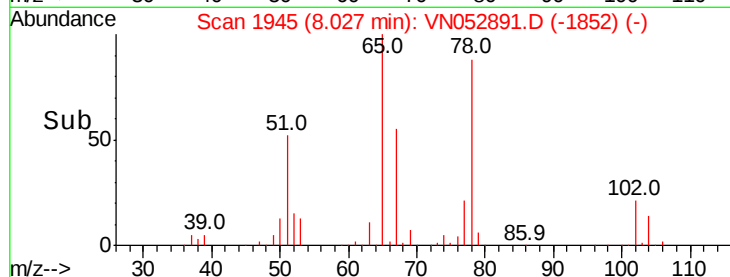
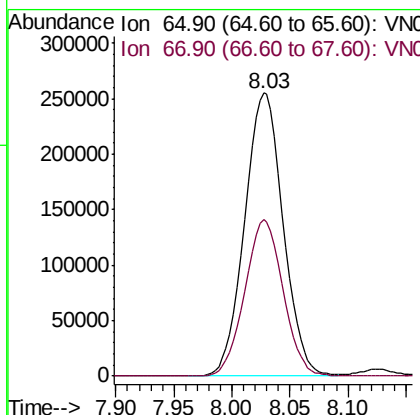
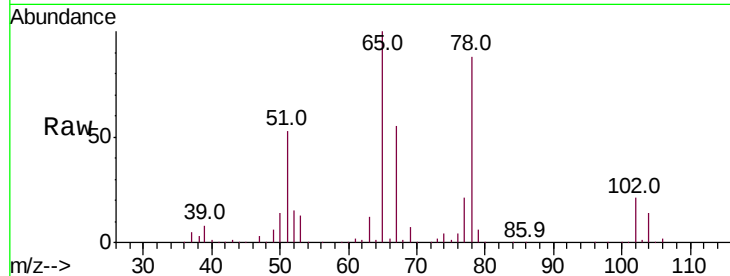
#33
 1,2-Dichloroethane-d4
 Concen: 18.807 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	590565		
67	55.0	0.0	110.4	

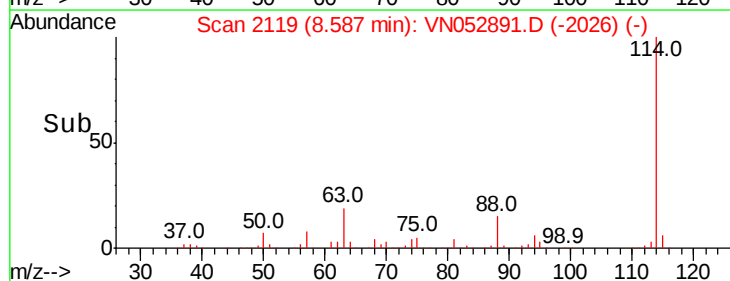
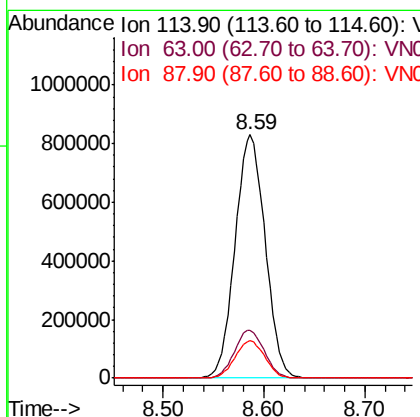
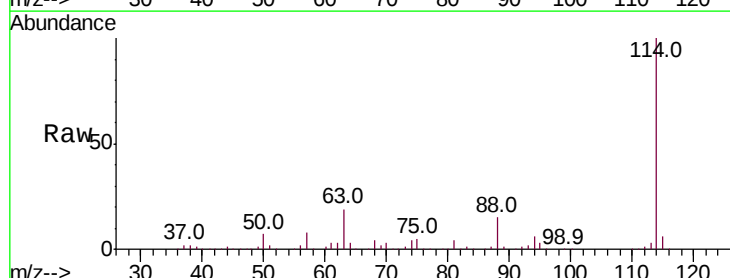
Manual Integrations
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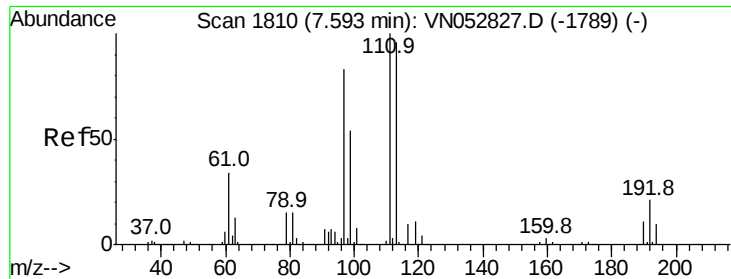
MMDadoda
 12/17/2018 3:05:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1717825		
63	19.4	0.0	39.8	
88	15.3	0.0	31.0	





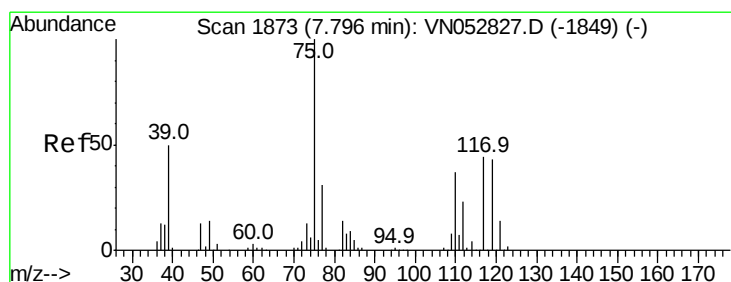
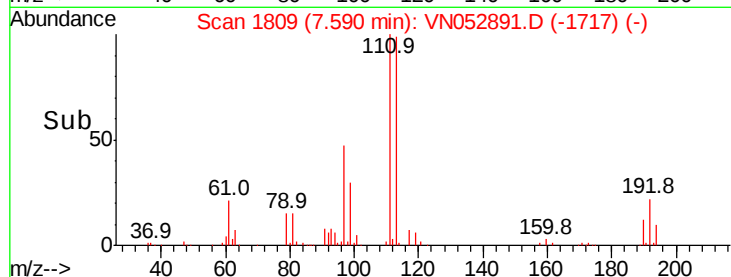
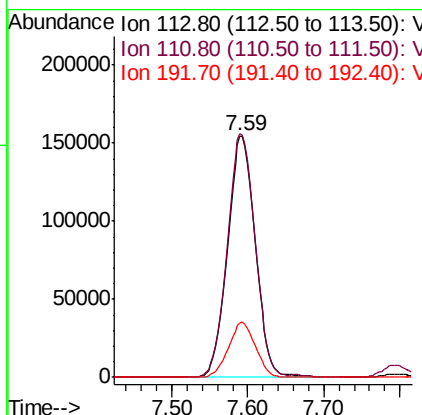
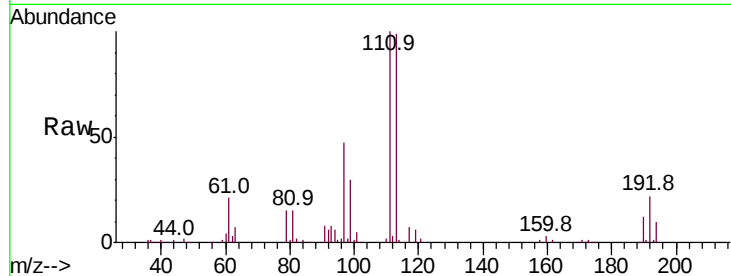
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.3	83.0	124.4	
192	22.1	17.5	26.3	

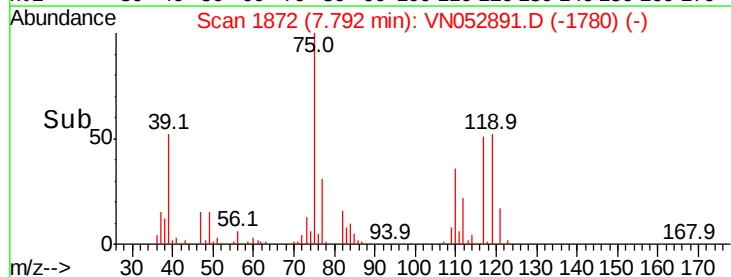
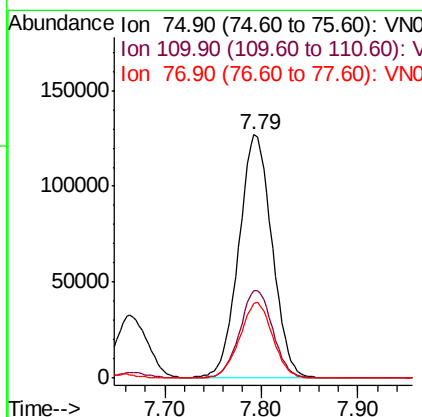
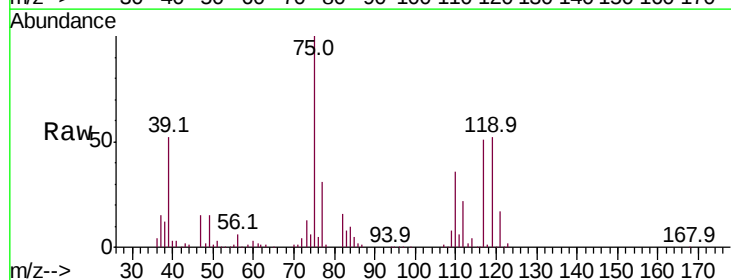
Manual Integrations
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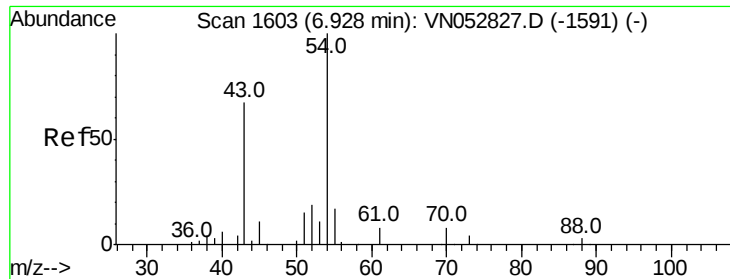
MMDadoda
12/17/2018 3:05:55 PM



#36
1,1-Dichloropropene
Concen: 19.220 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	18.2	54.6	
77	30.9	24.9	37.3	





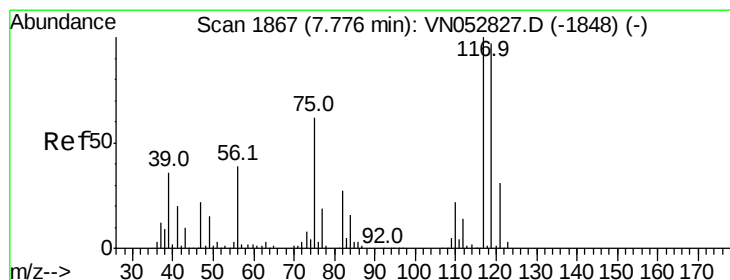
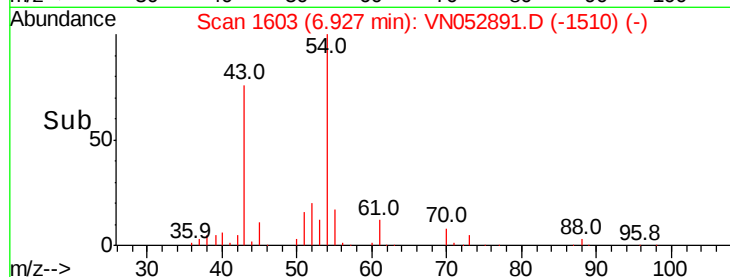
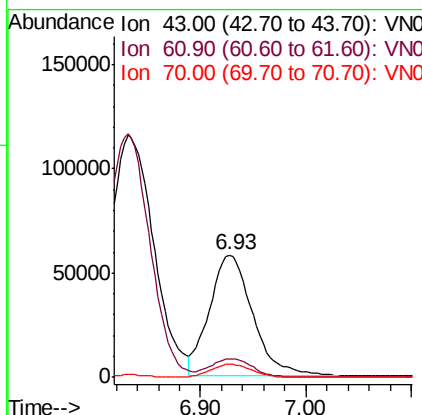
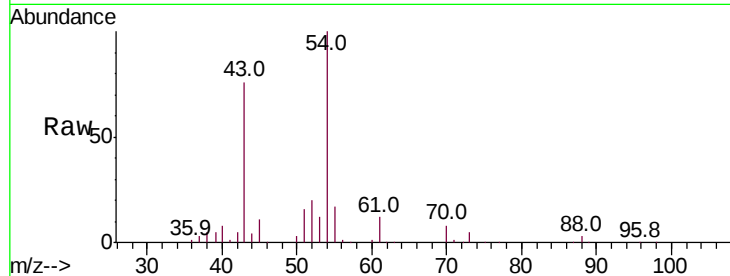
#37
Ethyl Acetate
Concen: 17.350 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	10.7	8.4	12.6

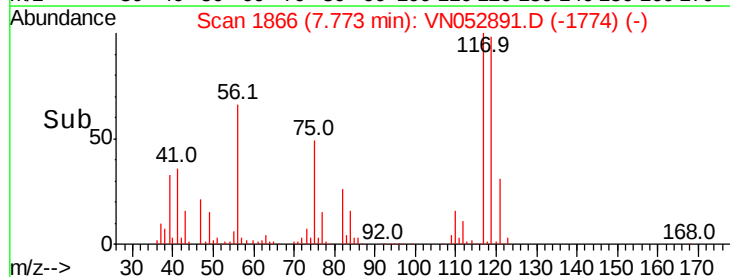
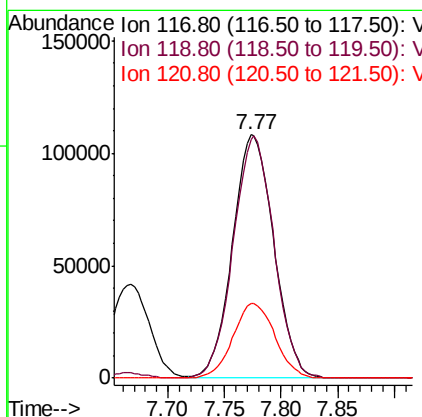
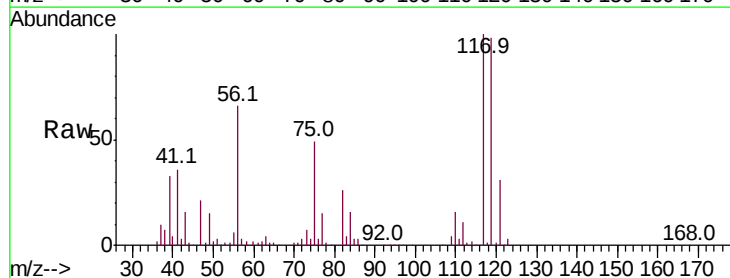
Manual Integrations
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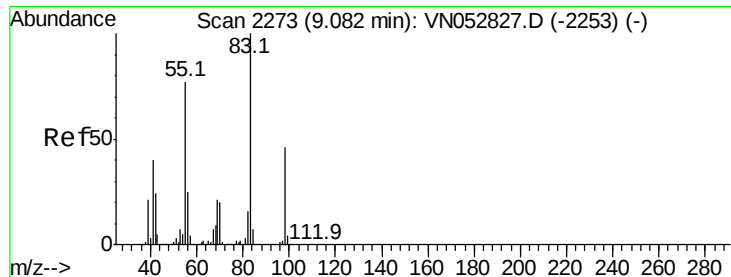
MMDadoda
12/17/2018 3:05:55 PM



#38
Carbon Tetrachloride
Concen: 18.888 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.1	115.7
121	30.8	24.9	37.3





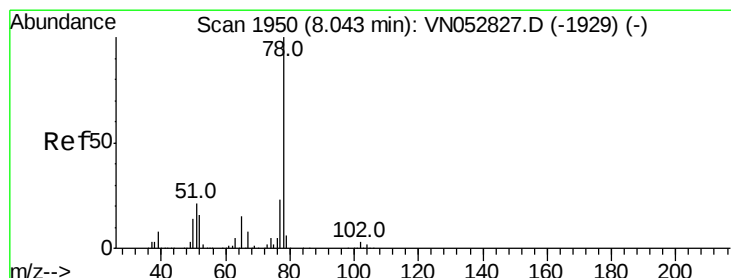
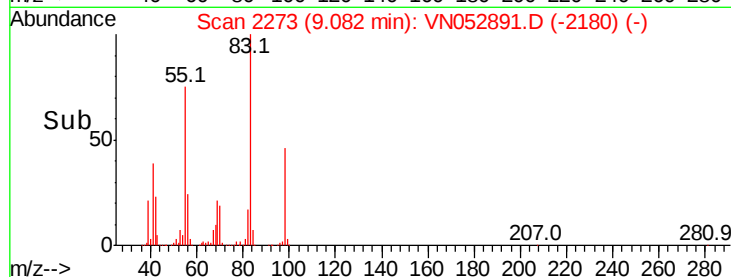
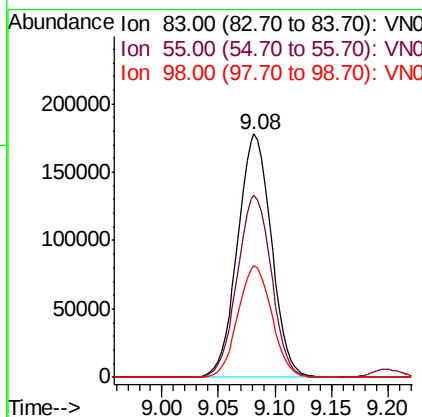
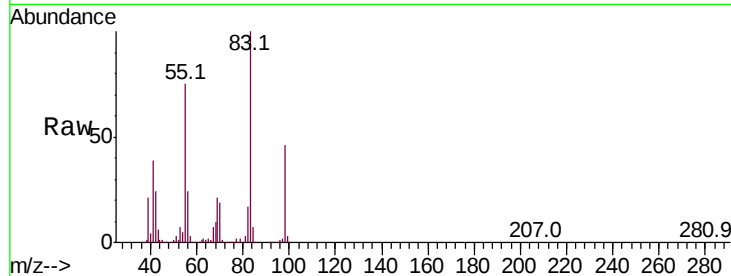
#39
Methvlcvclohexane
Concen: 19.130 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.3	91.9
98	46.0	37.0	55.4

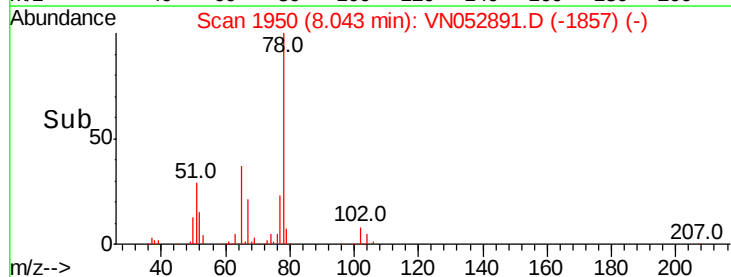
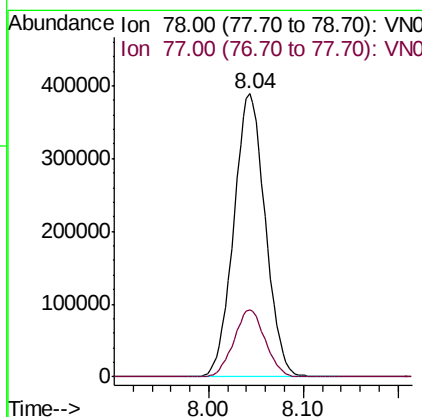
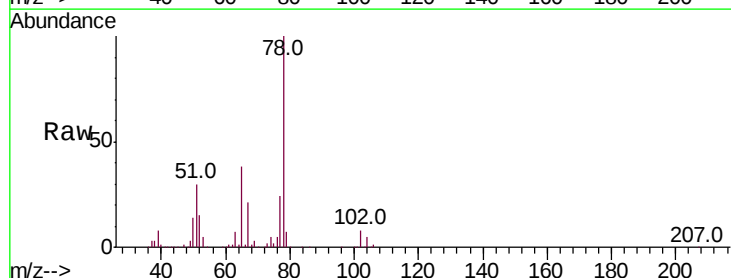
Manual Integrations
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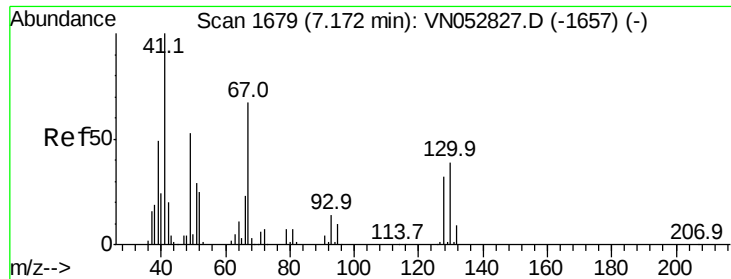
MMDadoda
12/17/2018 3:05:55 PM



#40
Benzene
Concen: 18.959 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7





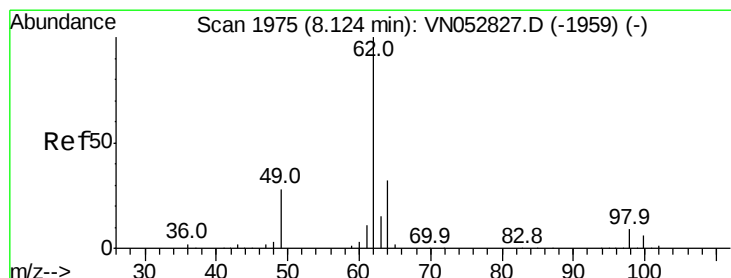
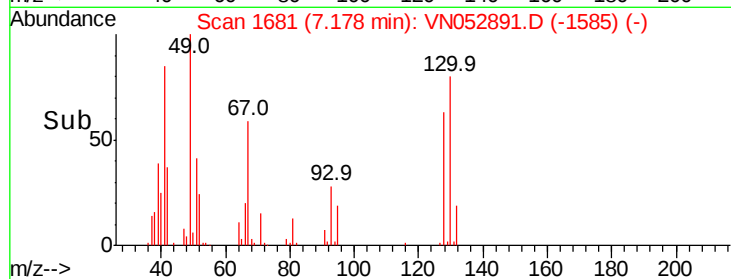
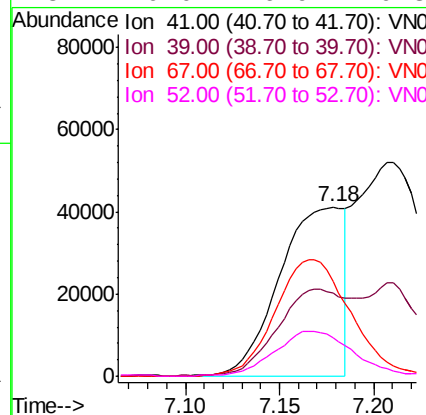
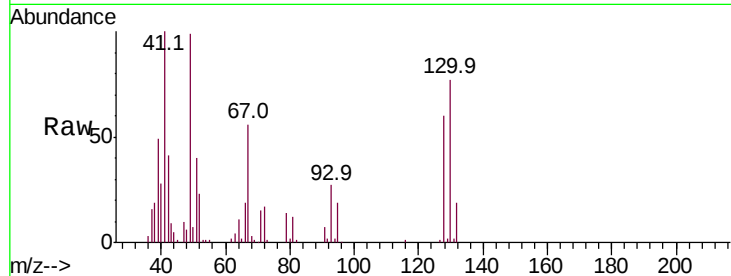
#41
Methacrylonitrile
Concen: 18.658 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.0	72.0#
67	0.0	70.3	105.5#
52	0.0	26.9	40.3#

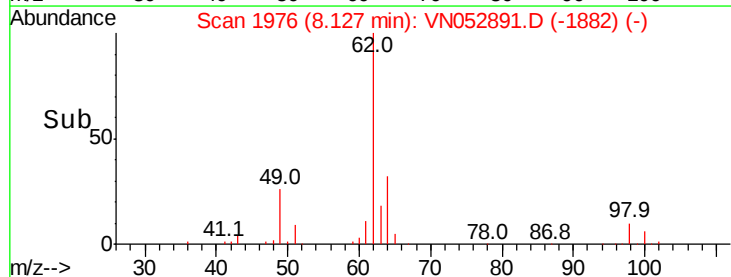
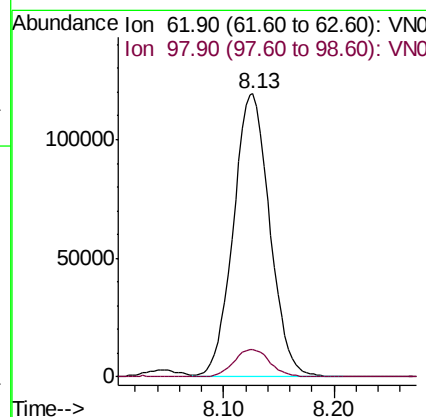
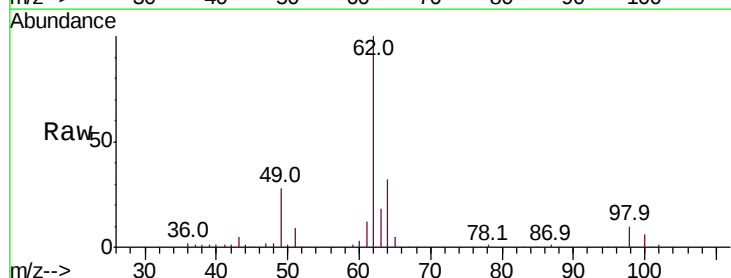
Manual Integrations
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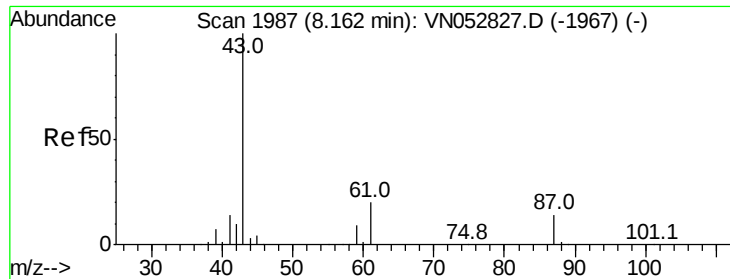
MMDadoda
12/17/2018 3:05:55 PM



#42
1,2-Dichloroethane
Concen: 18.972 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 16.377 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

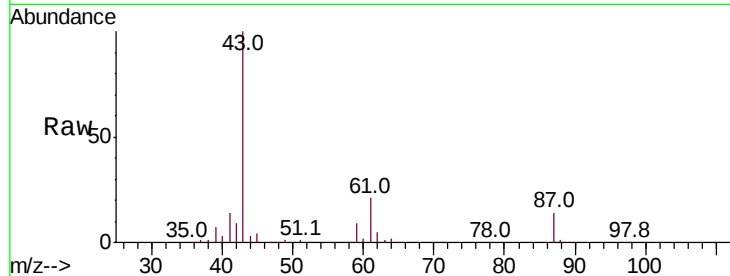
ClientSampleId :

VN1214WBS02

Tot Ion:	43	Resp:	319078
Ion Ratio	Lower	Upper	
43	100		
61	28.3	22.9	34.3
87	13.6	10.6	15.8

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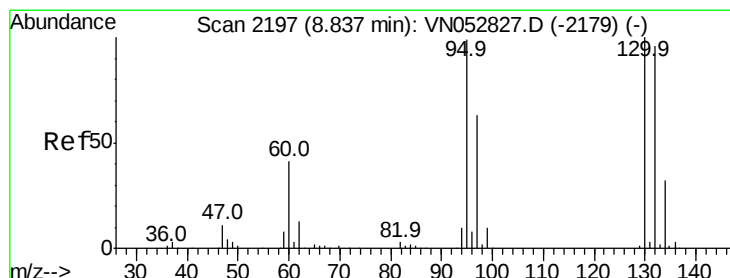
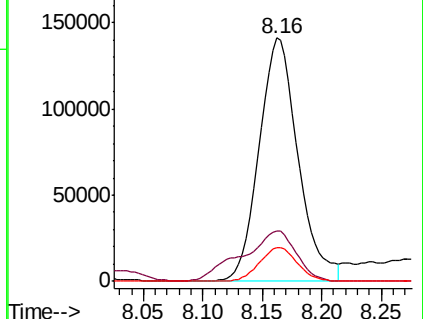
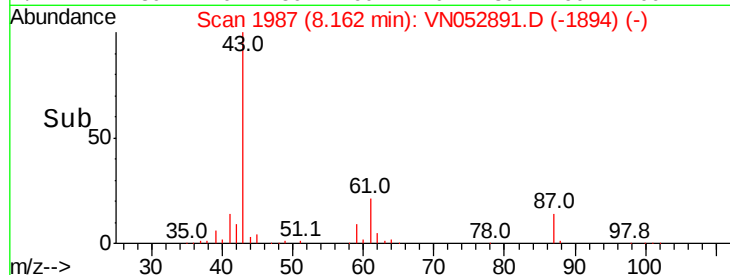


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 20.645 ug/l

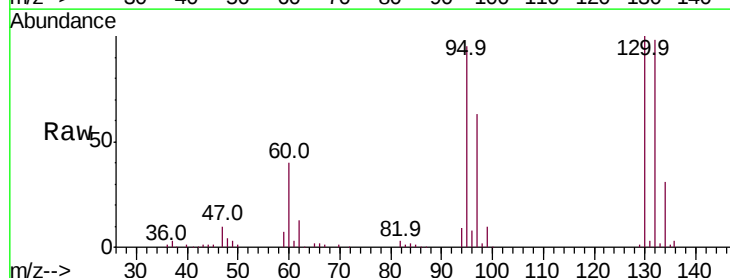
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

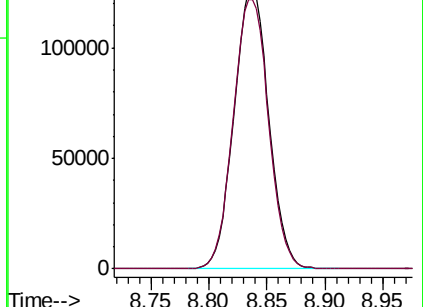
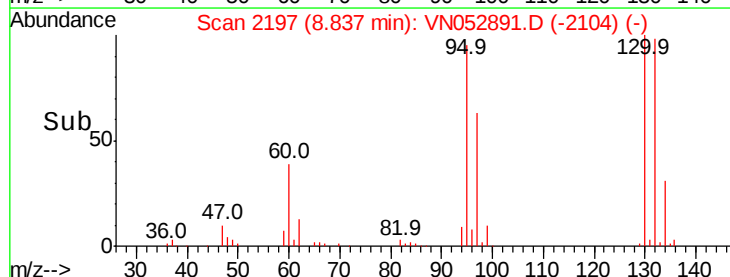
Tgt Ion:	130	Resp:	264760
Ion Ratio	Lower	Upper	
130	100		
95	95.4	0.0	197.8

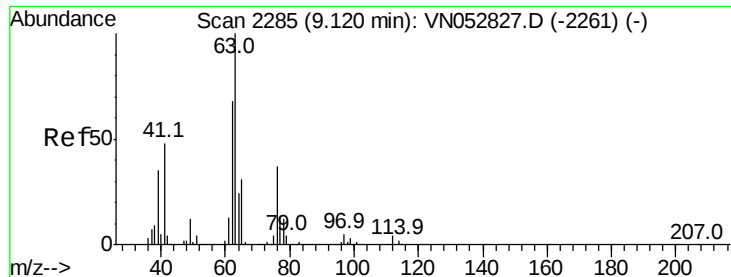


Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 18.931 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 63 Resp: 235418

Ion Ratio Lower Upper

63 100

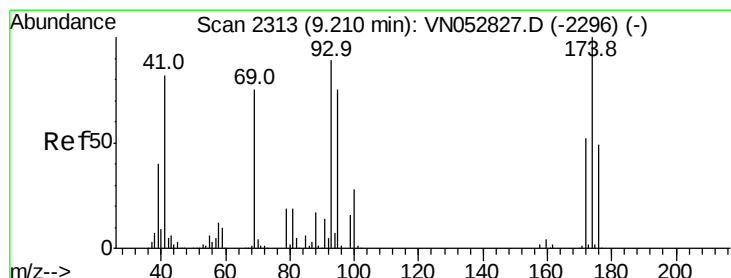
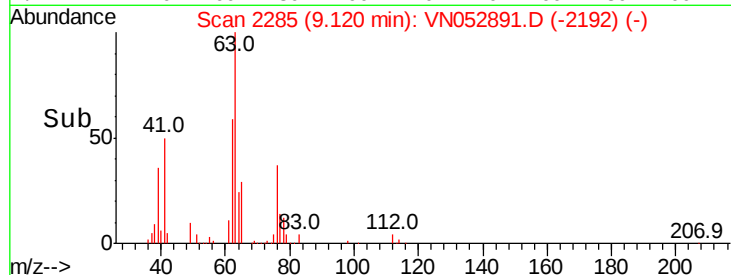
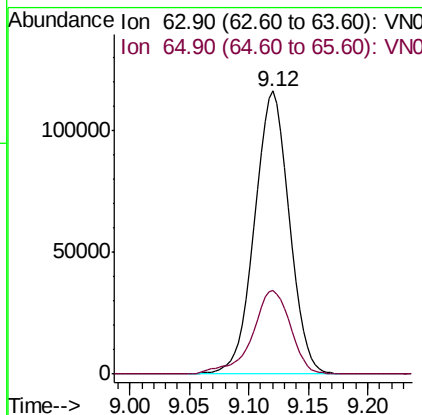
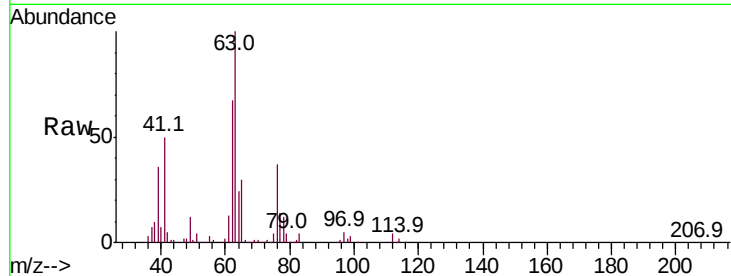
65 29.7 24.6 37.0

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#46

Dibromomethane

Concen: 18.443 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

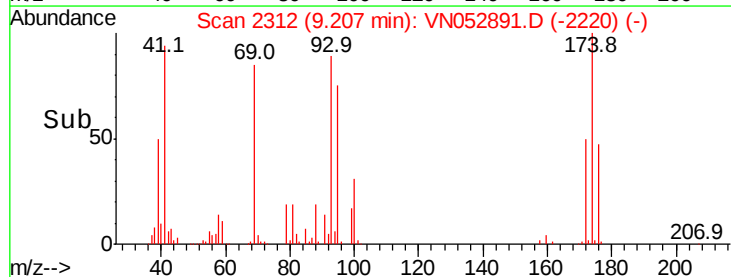
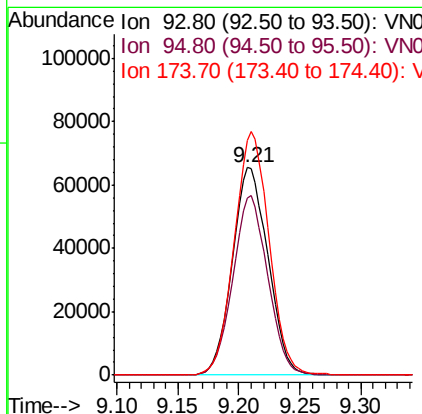
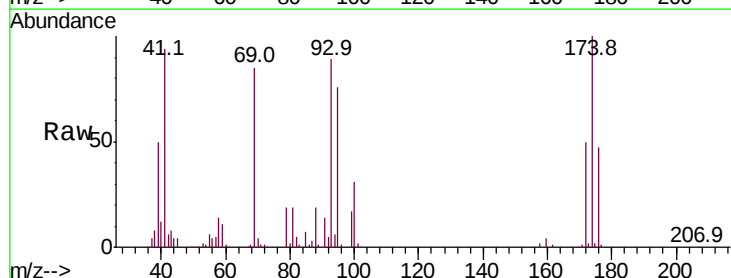
Tgt Ion: 93 Resp: 133015

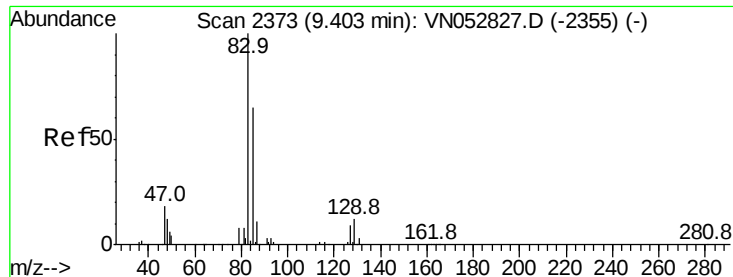
Ion Ratio Lower Upper

93 100

95 84.4 67.8 101.6

174 114.2 89.0 133.4





#47

Bromodichloromethane

Concen: 19.053 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

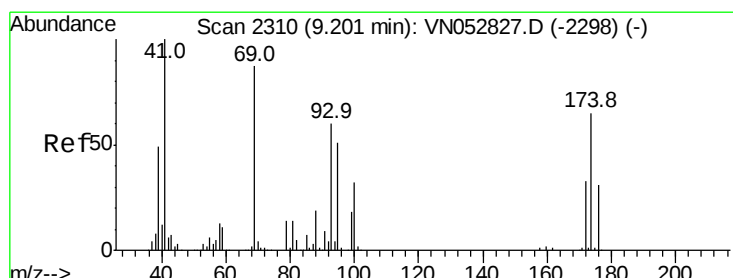
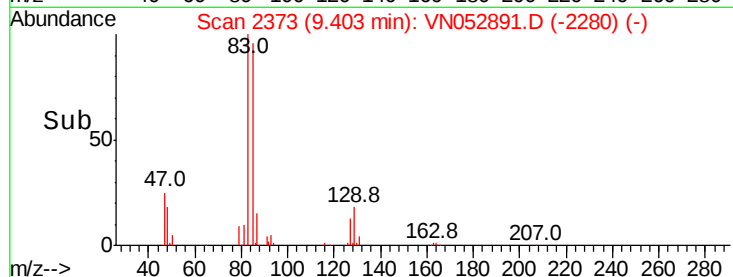
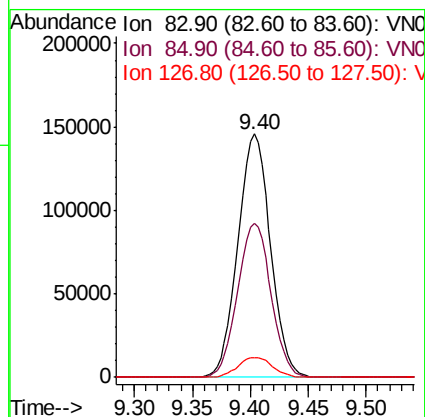
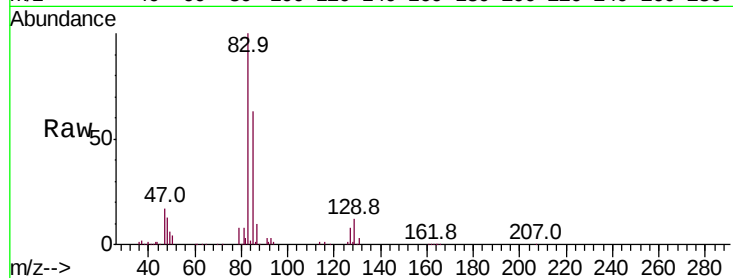
ClientSampleId :

VN1214WBS02

Tot Ion:	83	Resp:	284951
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.6	77.4
127	8.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.178 ug/l

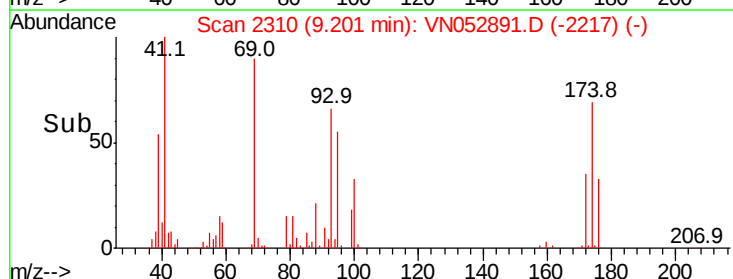
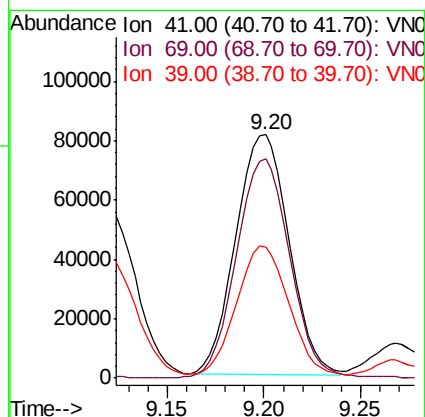
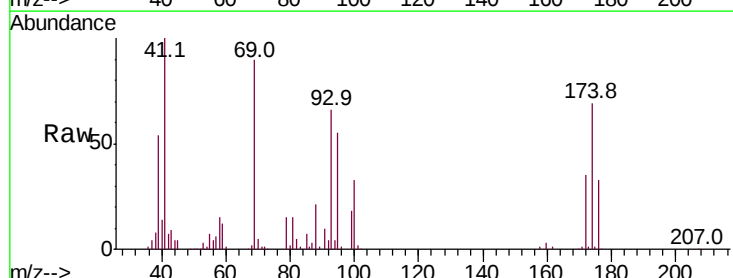
RT: 9.20 min Scan# 2310

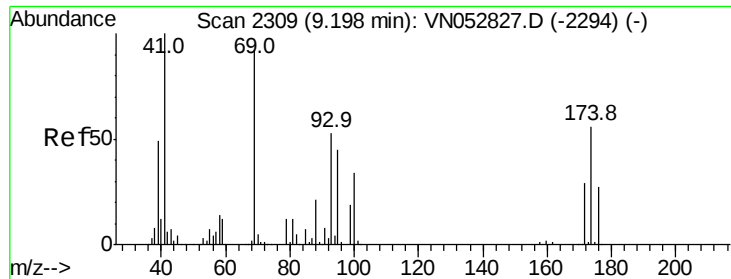
Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Tgt Ion:	41	Resp:	155323
Ion Ratio	Lower	Upper	
41	100		
69	92.2	72.2	108.2
39	55.1	41.9	62.9





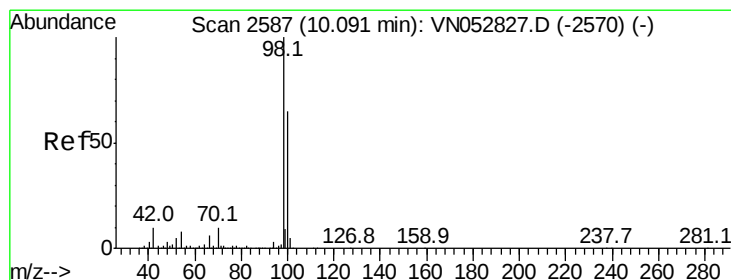
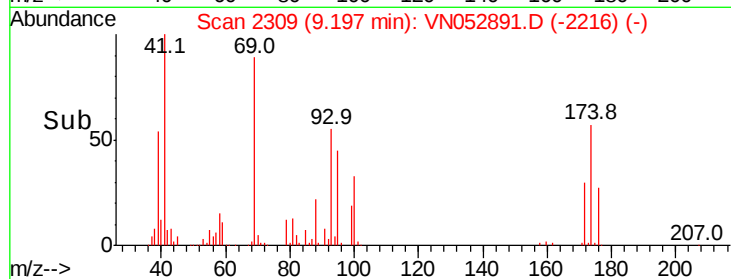
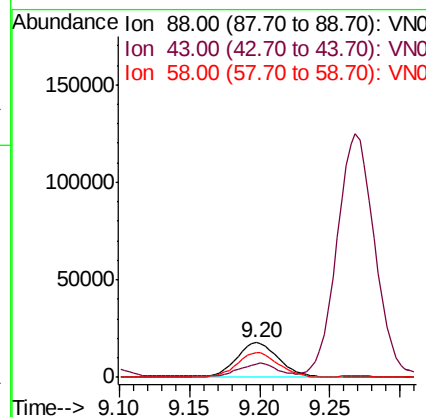
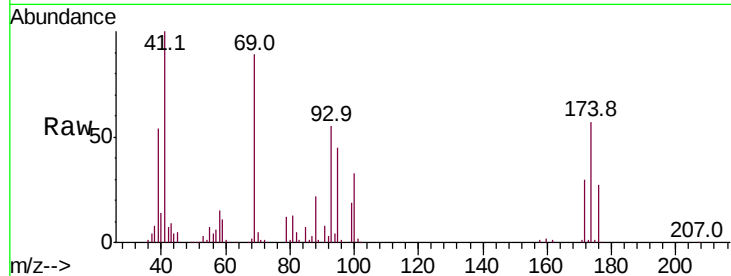
#49
1,4-Dioxane
Concen: 388.176 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	40.0
58	69.3	58.4	87.6

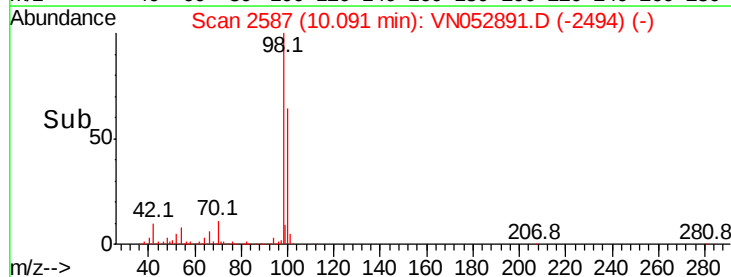
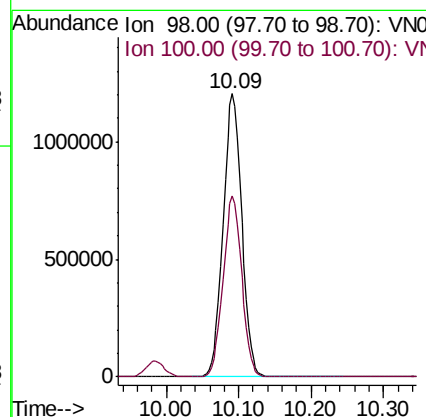
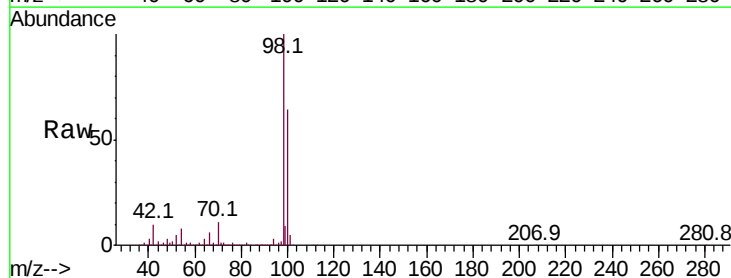
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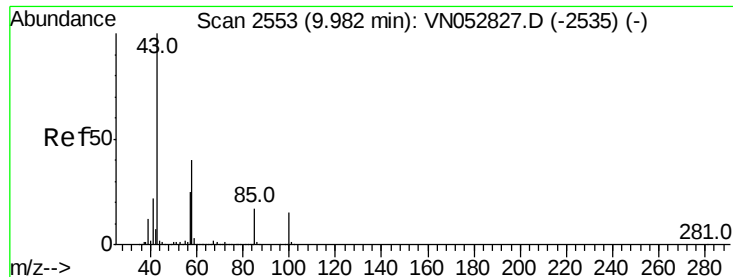
MMDadoda
12/17/2018 3:05:55 PM



#50
Toluene-d8
Concen: 388.176 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 89.856 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 43 Resp: 802780

Ion Ratio Lower Upper

43 100

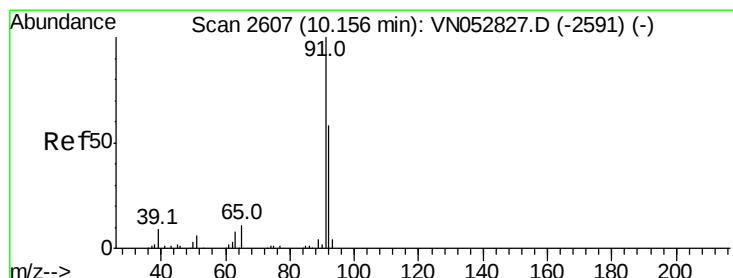
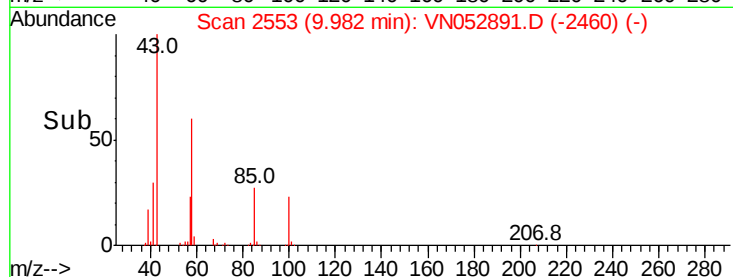
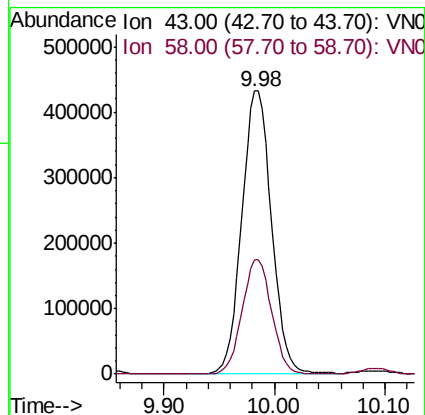
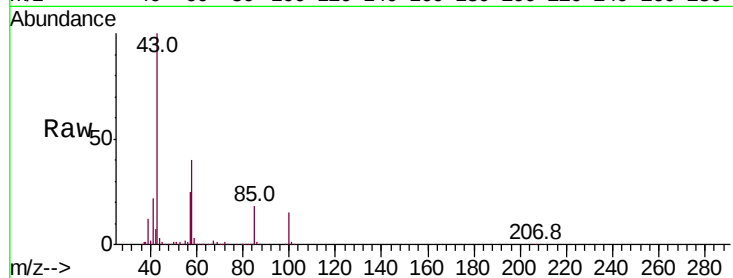
58 40.5 32.2 48.4

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#52

Toluene

Concen: 19.501 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052891.D

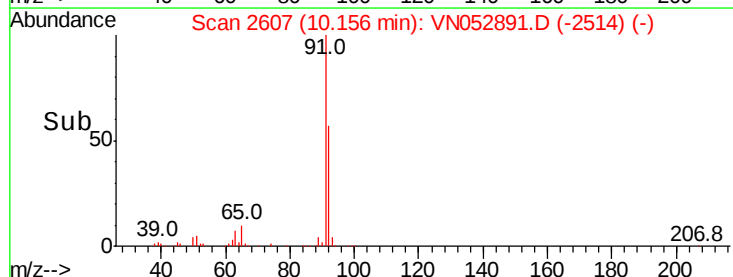
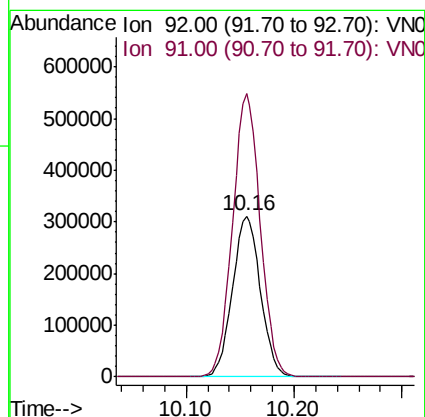
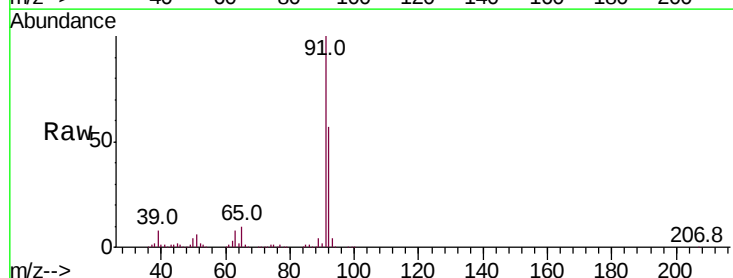
Acq: 14 Dec 2018 16:25

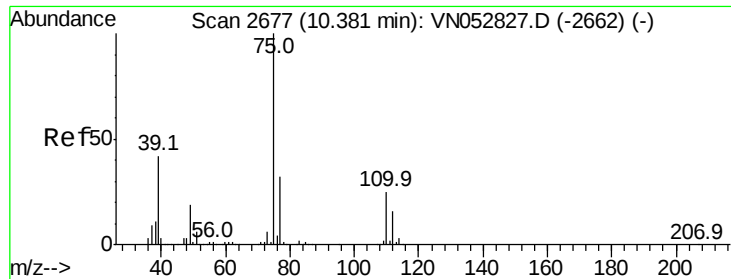
Tgt Ion: 92 Resp: 560774

Ion Ratio Lower Upper

92 100

91 174.8 139.8 209.6





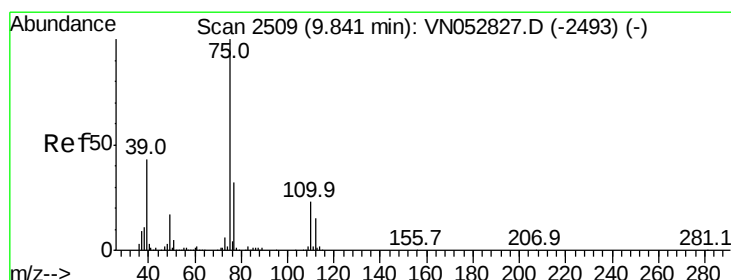
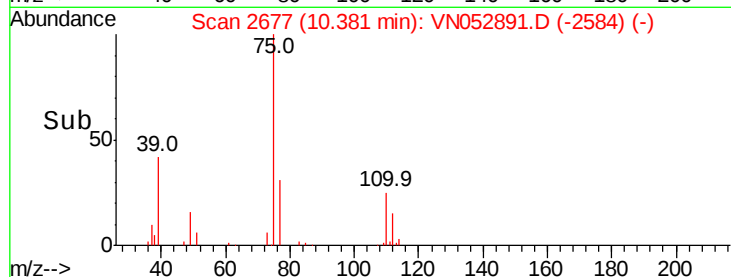
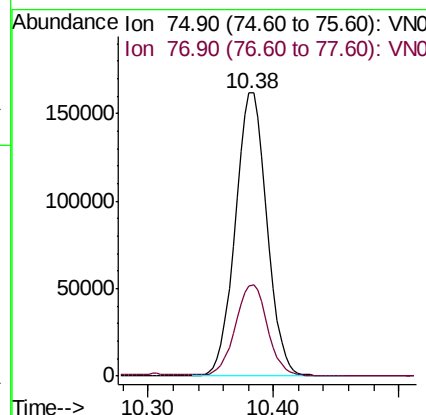
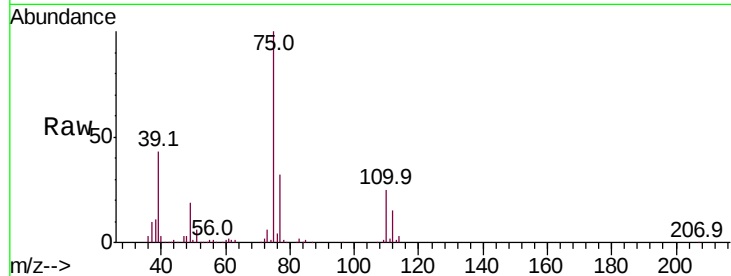
#53
t-1,3-Dichloropropene
Concen: 18.854 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion: 75 Resp: 283744
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4

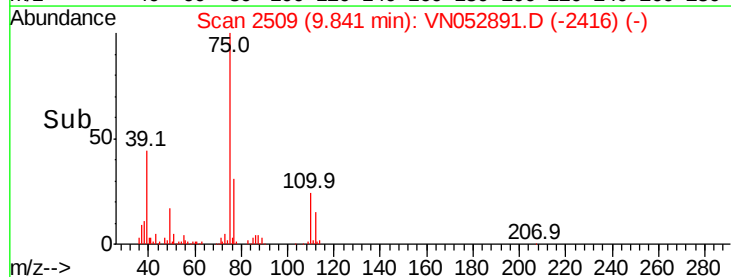
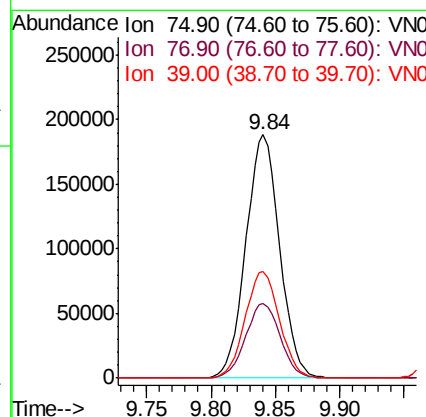
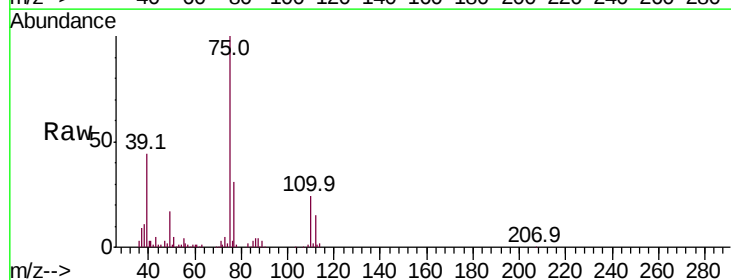
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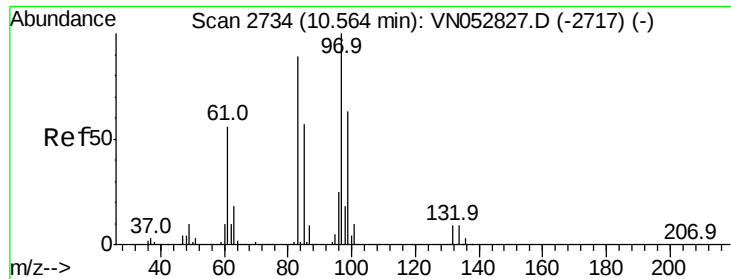
MMDadoda
12/17/2018 3:05:55 PM



#54
cis-1,3-Dichloropropene
Concen: 19.129 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion: 75 Resp: 343056
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.8
39 43.7 34.8 52.2





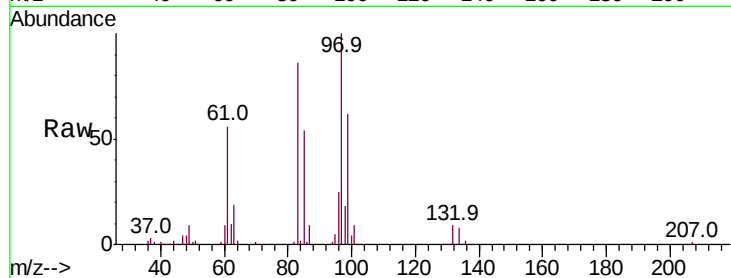
#55
 1,1,2-Trichloroethane
 Concen: 18.673 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

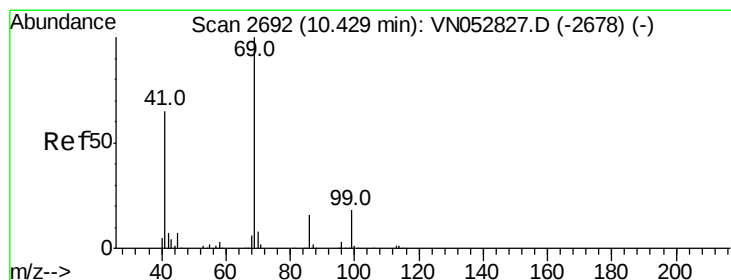
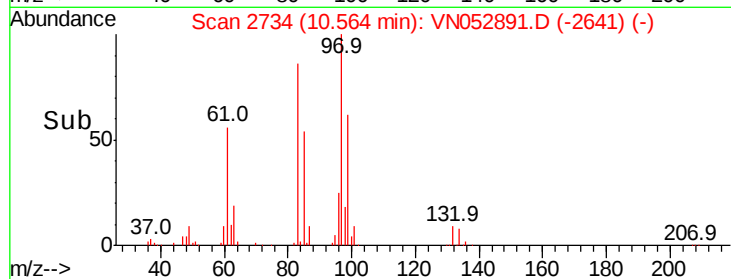
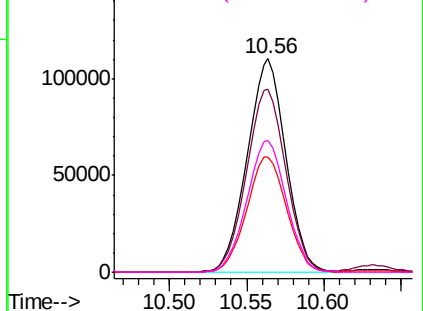
Tot Ion:	97	Resp:	191675
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.9	106.3
85	54.3	45.4	68.2
99	61.8	50.4	75.6

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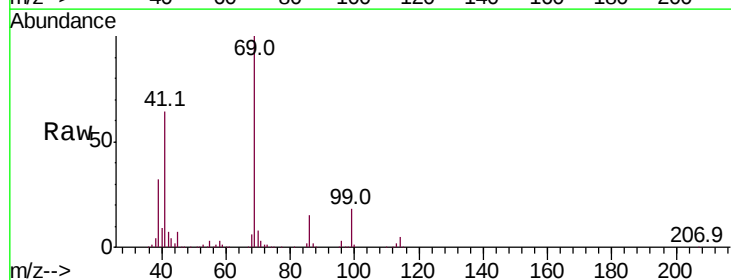


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

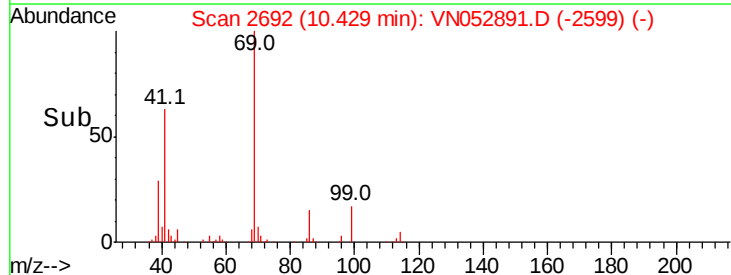
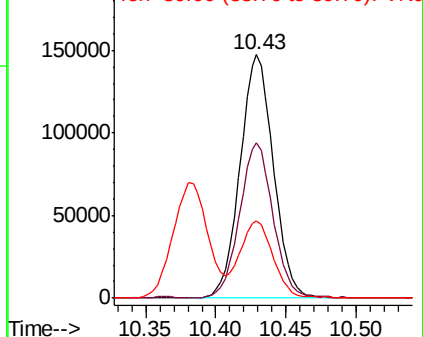


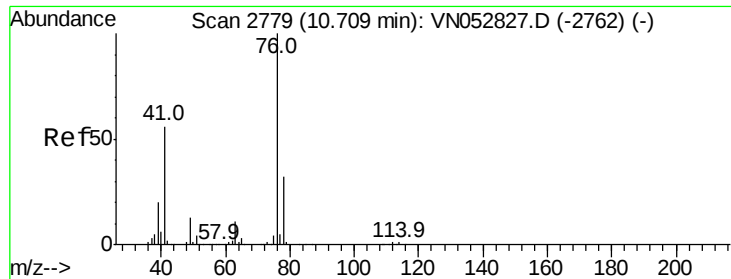
#56
 Ethyl methacrylate
 Concen: 18.551 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion:	69	Resp:	244376
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.7	77.5
39	31.0	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.026 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 76 Resp: 334916

Ion Ratio Lower Upper

76 100

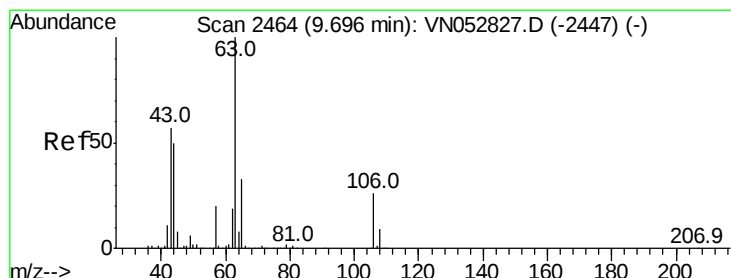
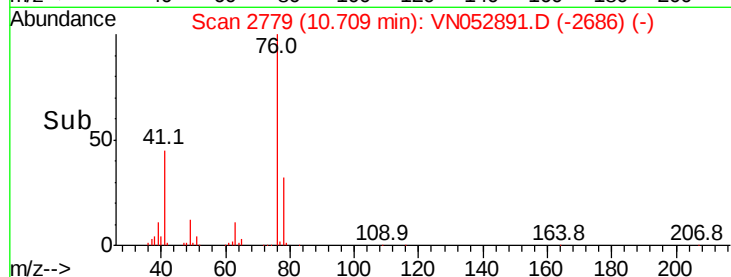
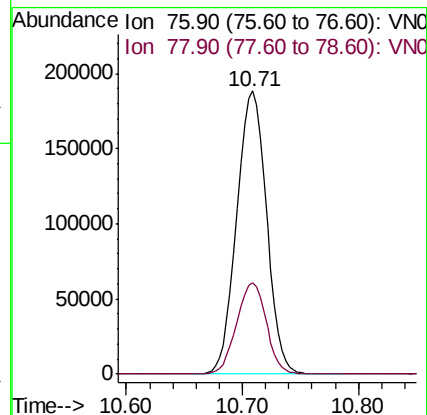
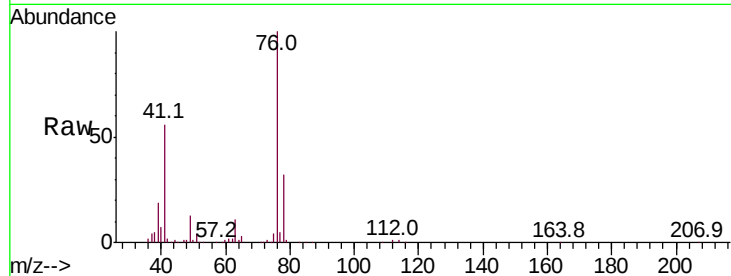
78 32.2 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

12/17/2018 3:05:55 PM



#58

2-Chloroethyl Vinyl ether

Concen: 94.994 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052891.D

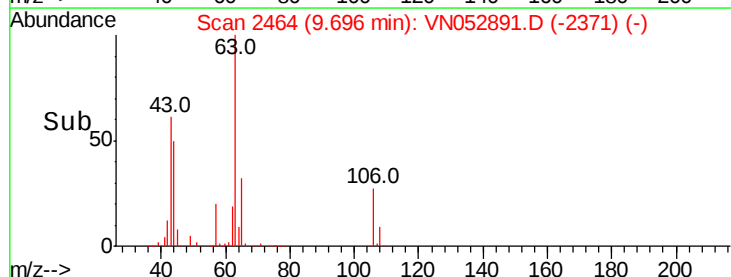
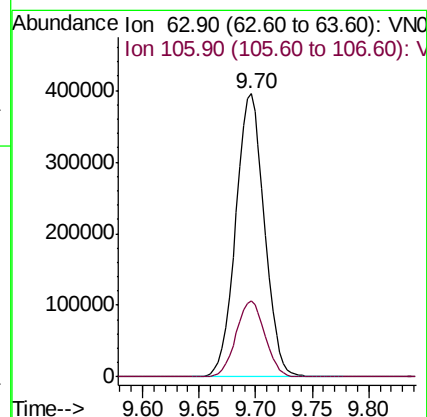
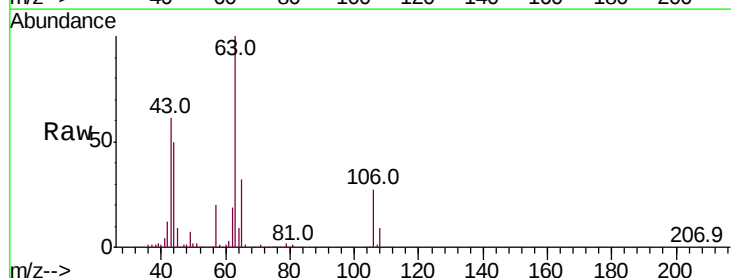
Acq: 14 Dec 2018 16:25

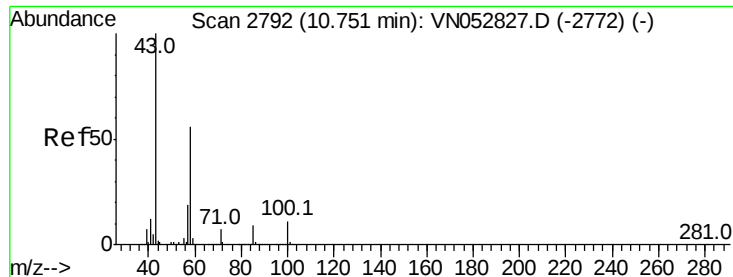
Tgt Ion: 63 Resp: 698258

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6





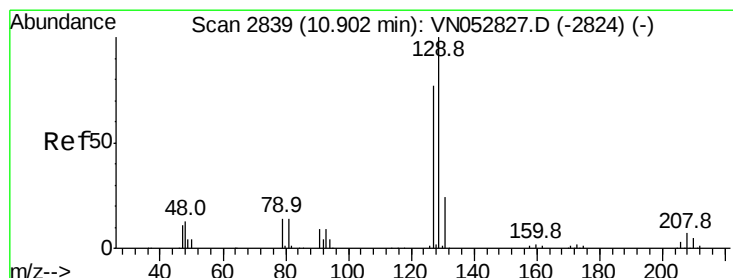
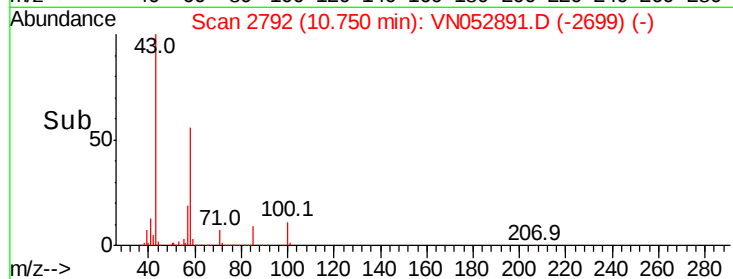
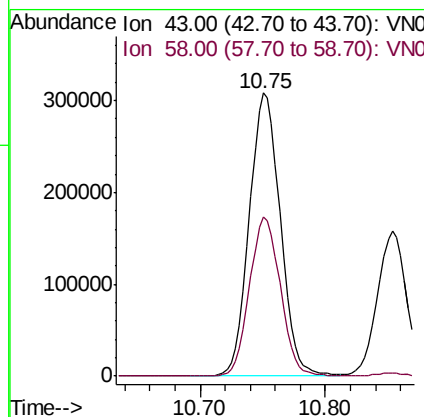
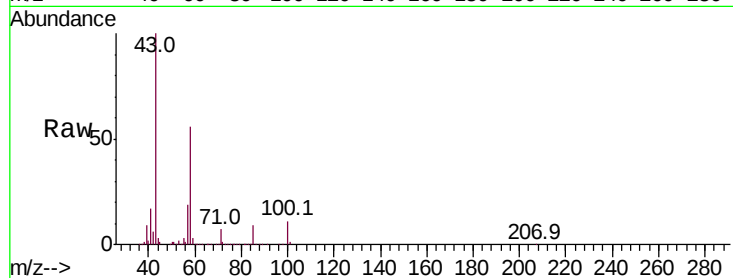
#59
2-Hexanone
Concen: 86.183 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.1	84.3

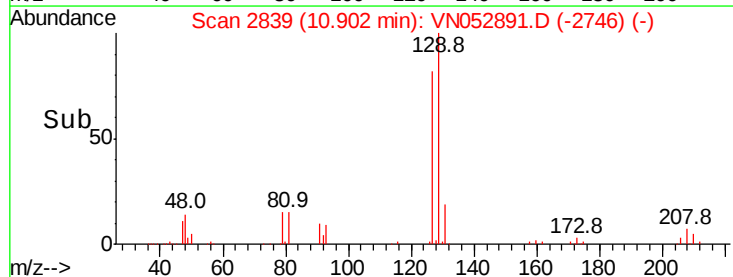
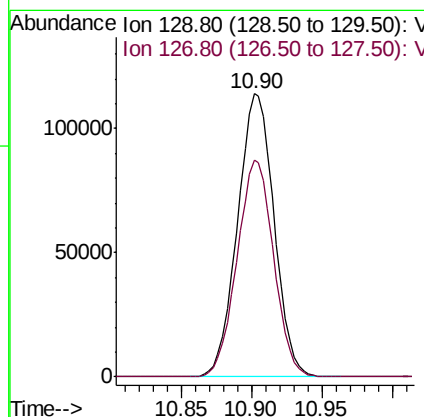
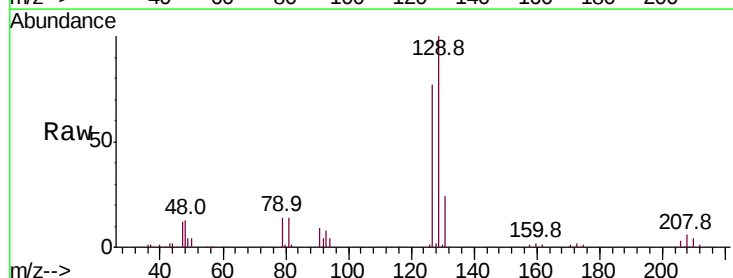
Manual Integrations
APPROVED

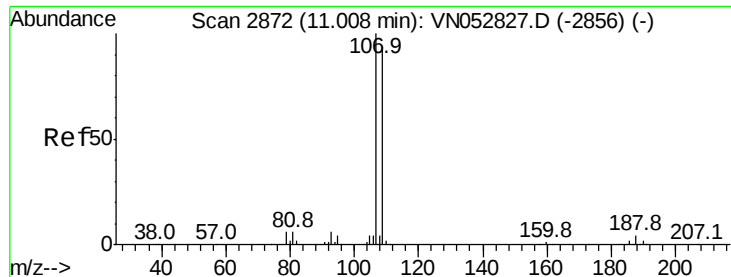
MMDadoda
12/17/2018 3:05:55 PM



#60
Dibromochloromethane
Concen: 18.667 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	116.0





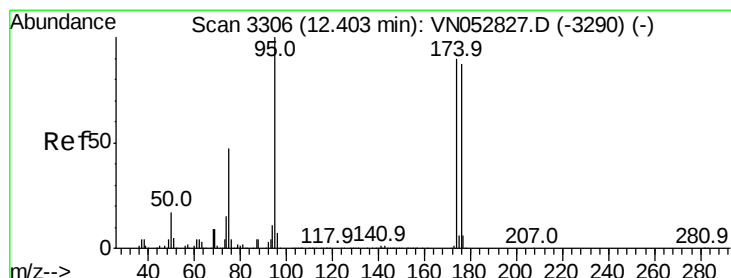
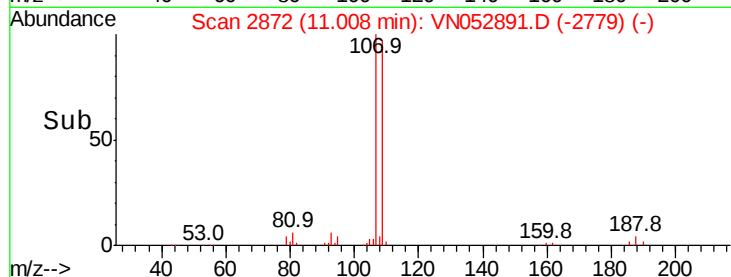
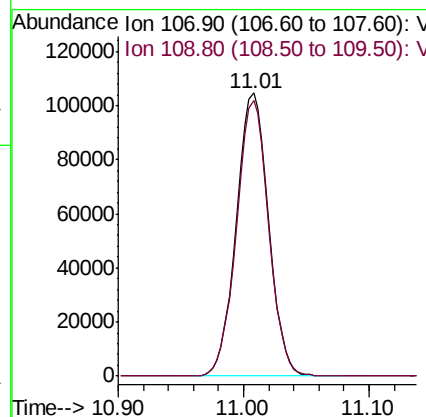
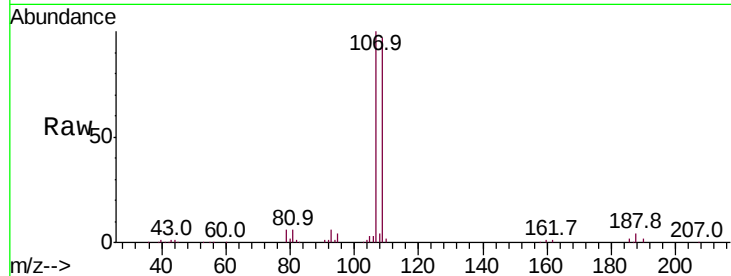
#61
1,2-Dibromoethane
Concen: 18.422 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	75.4	113.0

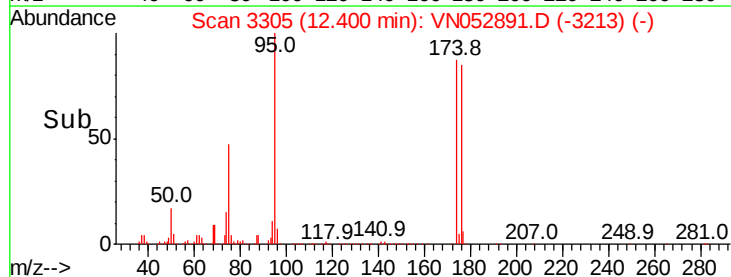
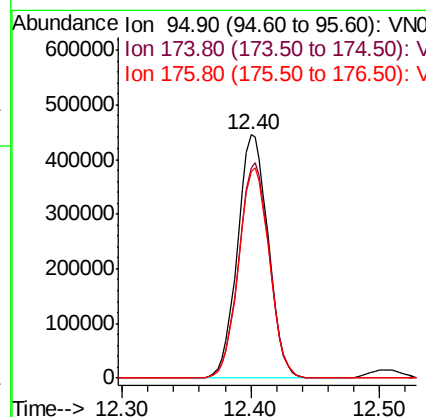
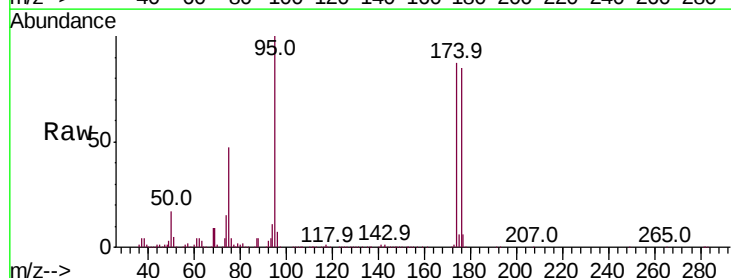
Manual Integrations
APPROVED

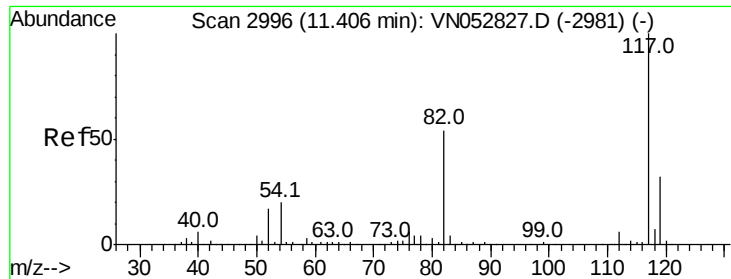
MMDadoda
12/17/2018 3:05:55 PM



#62
4-Bromofluorobenzene
Concen: 18.422 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	178.8
176	86.6	0.0	173.8





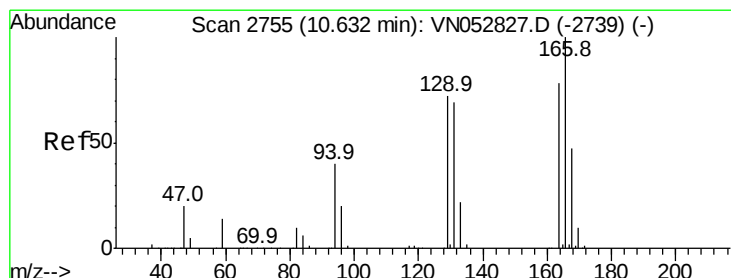
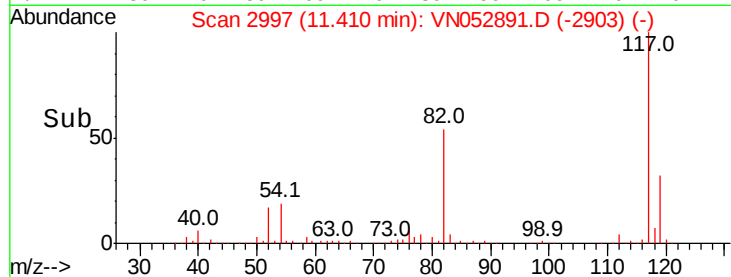
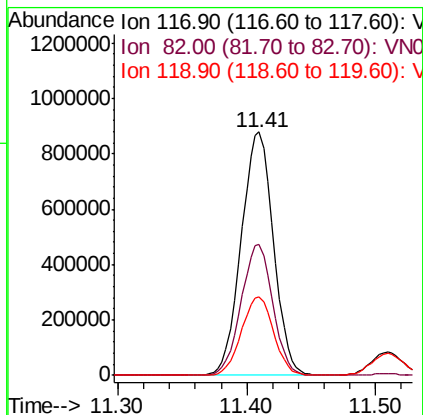
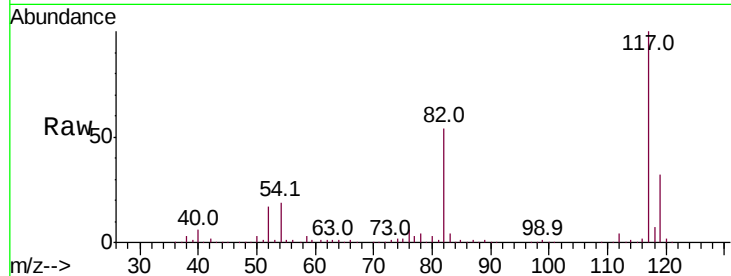
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion:117 Resp: 1526305
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.2 25.5 38.3

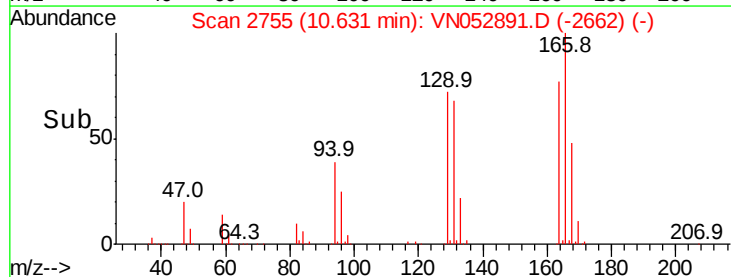
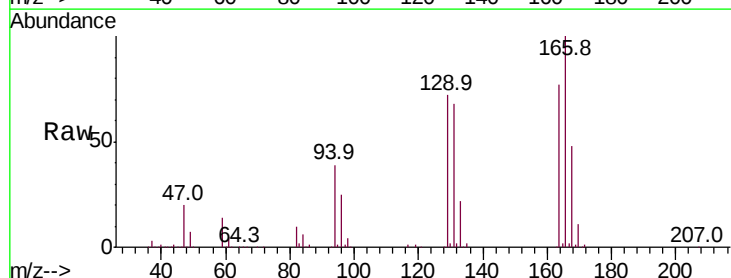
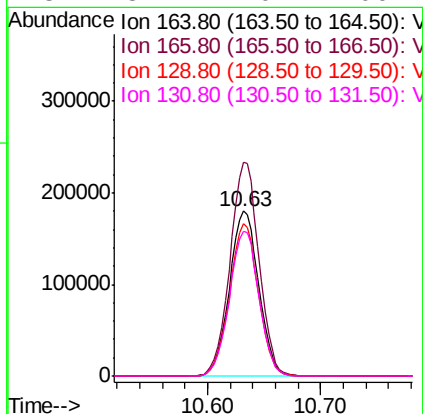
Manual Integrations
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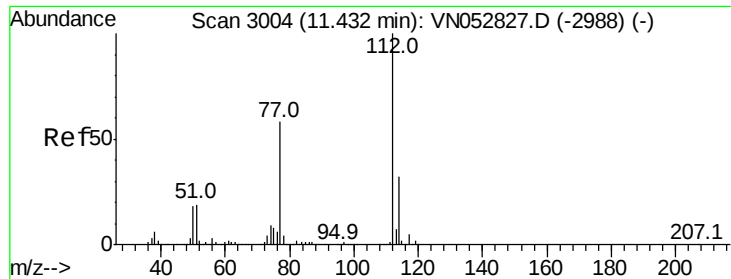
MMDadoda
12/17/2018 3:05:55 PM



#64
Tetrachloroethene
Concen: 24.686 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion:164 Resp: 323839
Ion Ratio Lower Upper
164 100
166 129.7 102.9 154.3
129 92.7 73.7 110.5
131 87.7 70.7 106.1





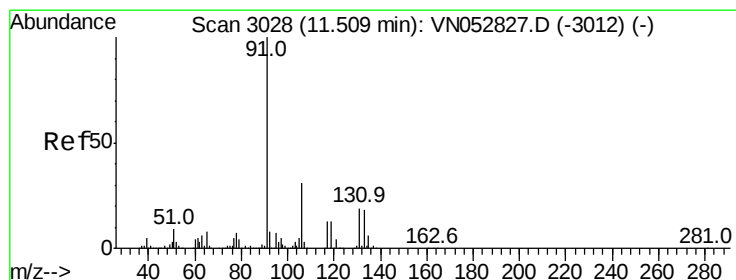
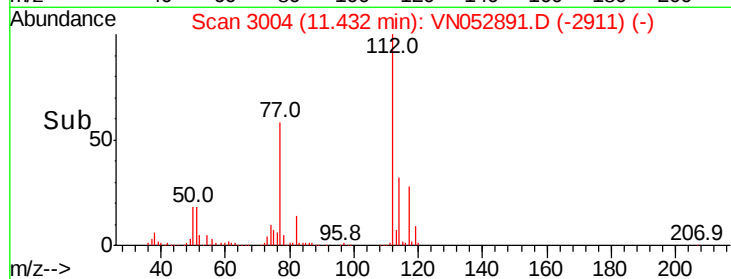
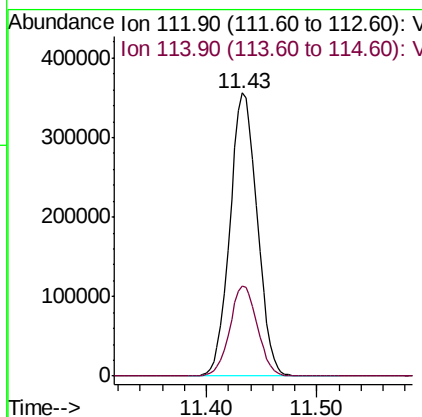
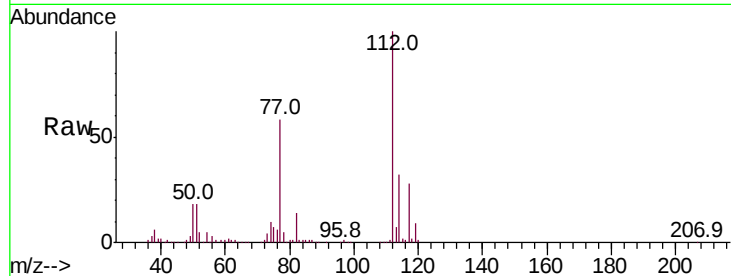
#65
Chlorobenzene
Concen: 19.331 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.5	38.3

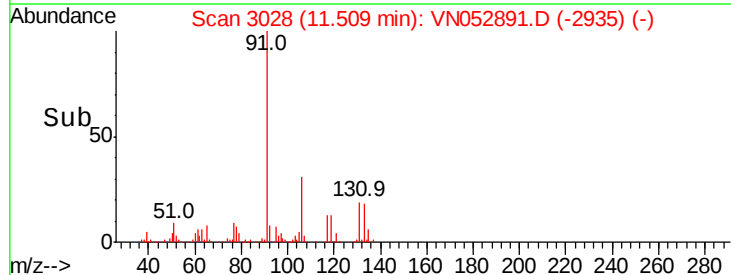
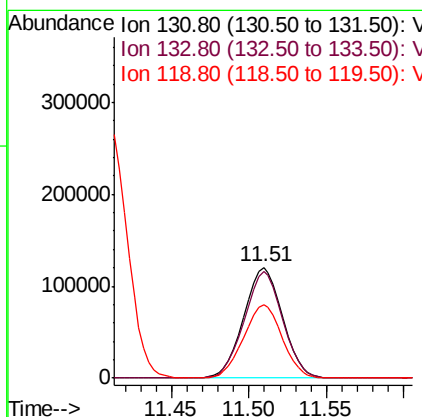
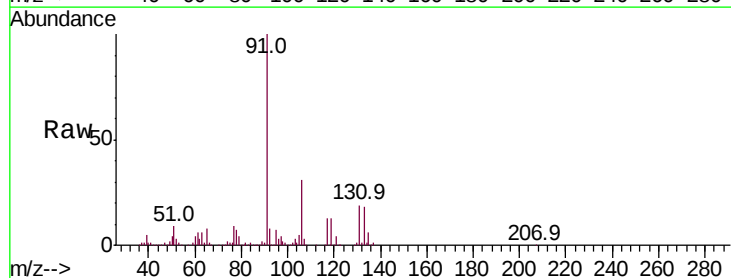
Manual Integrations
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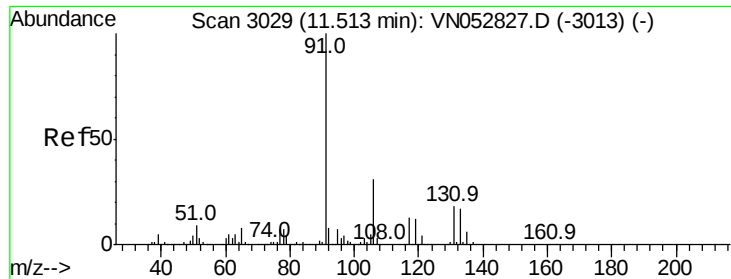
MMDadoda
12/17/2018 3:05:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.088 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.6	142.9
119	66.2	33.3	99.8





#67

Ethyl Benzene

Concen: 19.492 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 91 Resp: 1059954

Ion Ratio Lower Upper

91 100

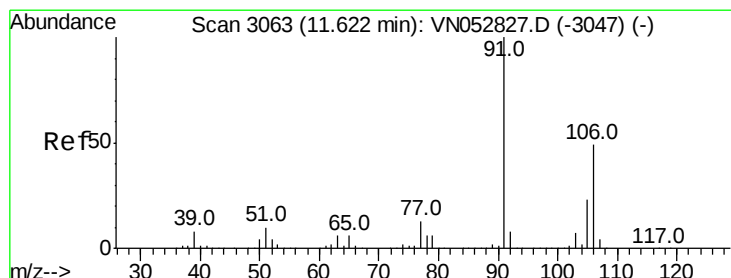
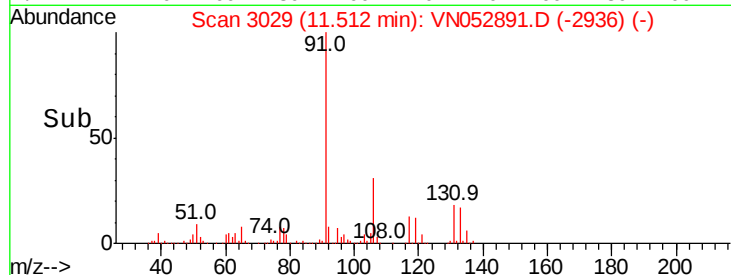
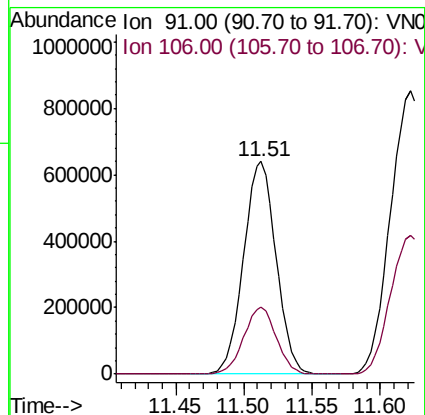
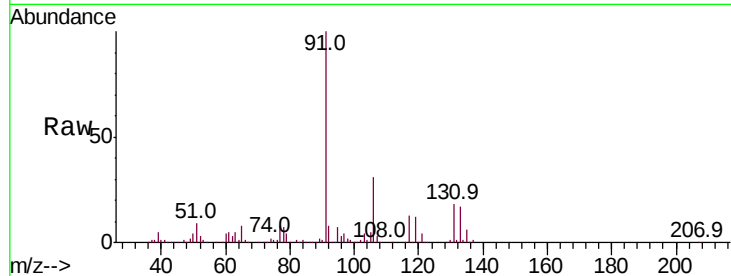
106 31.3 24.9 37.3

Manual Integrations

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12/17/2018 3:05:55 PM



#68

m/p-Xylenes

Concen: 39.549 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052891.D

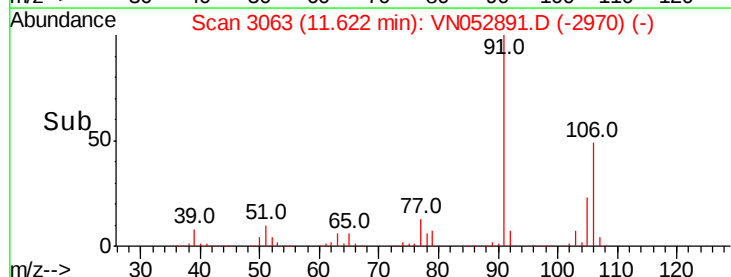
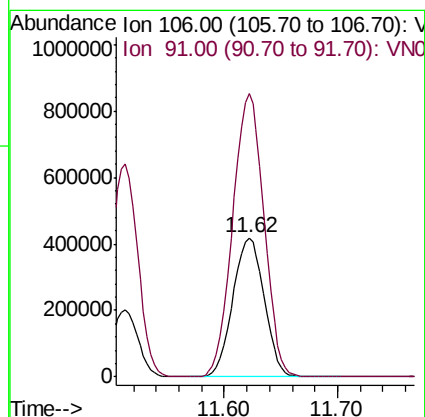
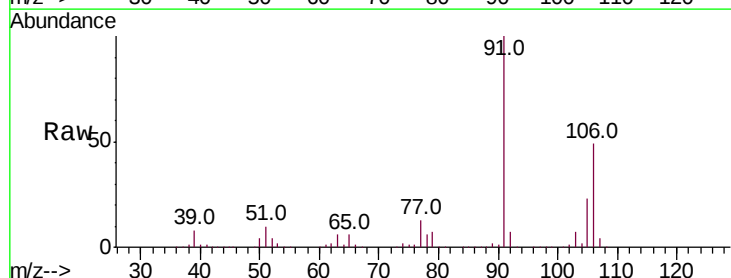
Acq: 14 Dec 2018 16:25

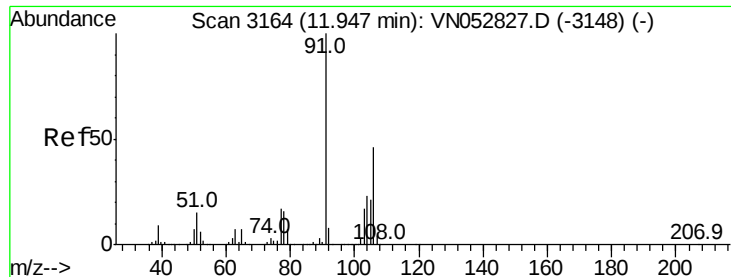
Tgt Ion: 106 Resp: 807540

Ion Ratio Lower Upper

106 100

91 202.6 162.2 243.4





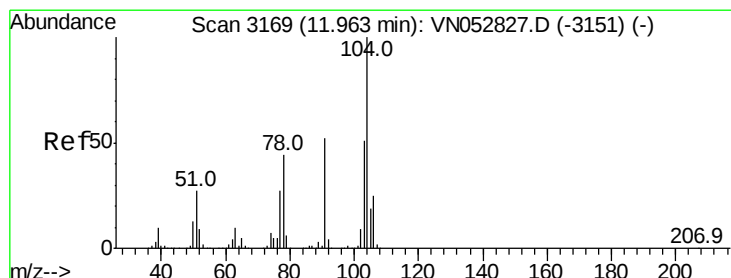
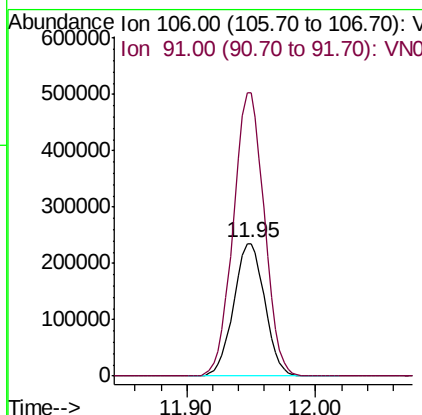
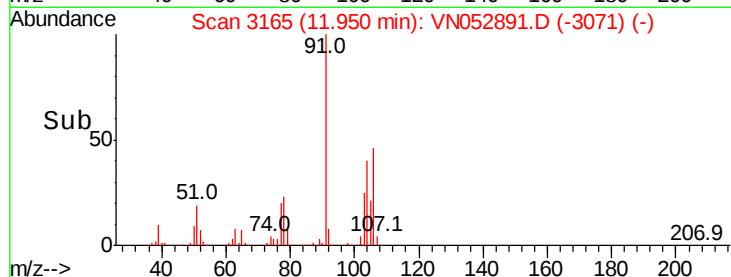
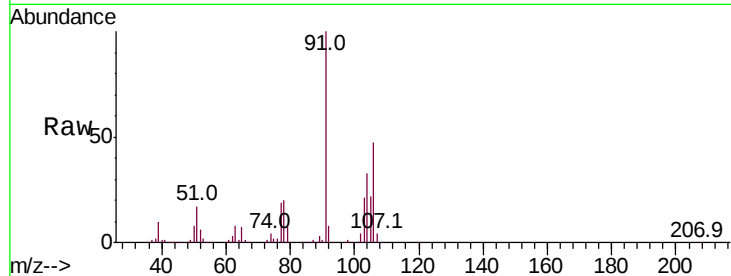
#69
o-Xylene
Concen: 19.787 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion:106 Resp: 394528
Ion Ratio Lower Upper
106 100
91 212.8 106.6 319.8

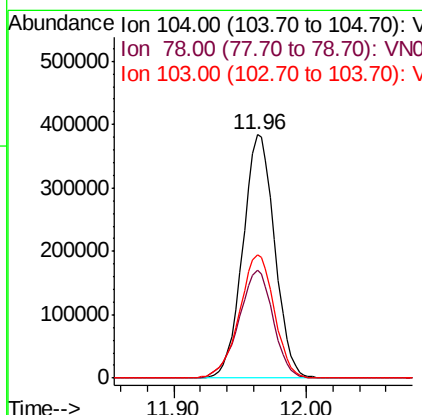
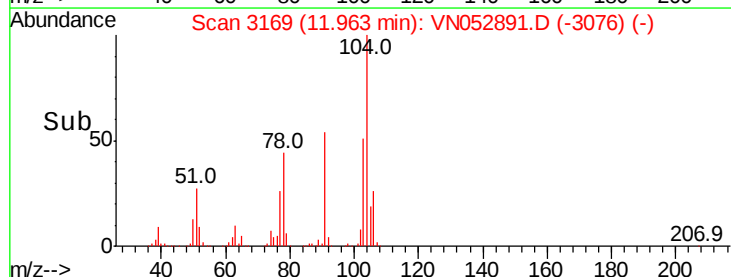
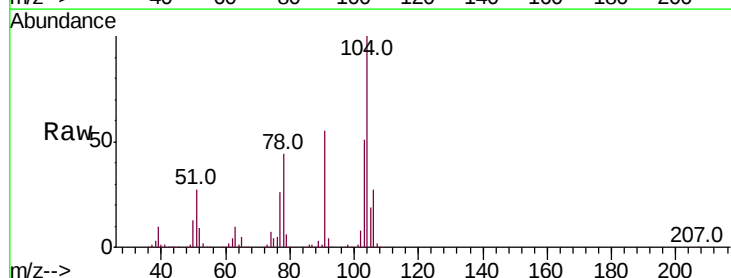
Manual Integrations
APPROVED

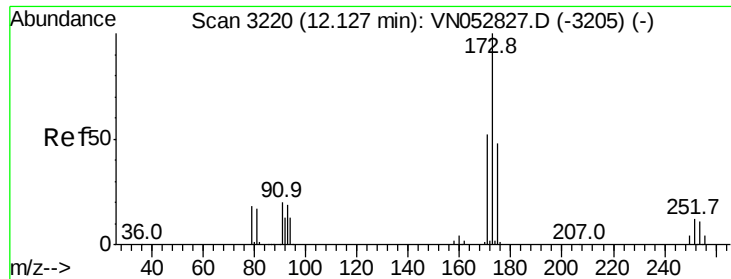
MMDadoda
12/17/2018 3:05:55 PM



#70
Styrene
Concen: 20.000 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion:104 Resp: 641036
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.2 44.3 66.5





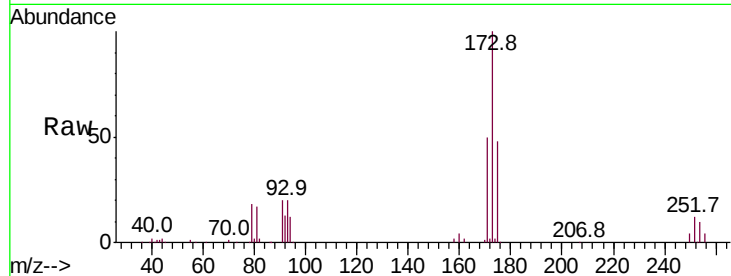
#71
Bromoform
Concen: 18.239 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.0	0.1	0.1#

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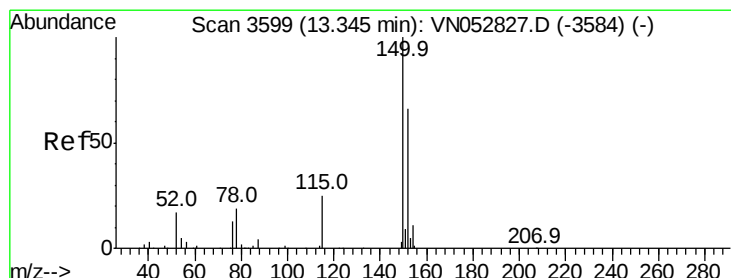
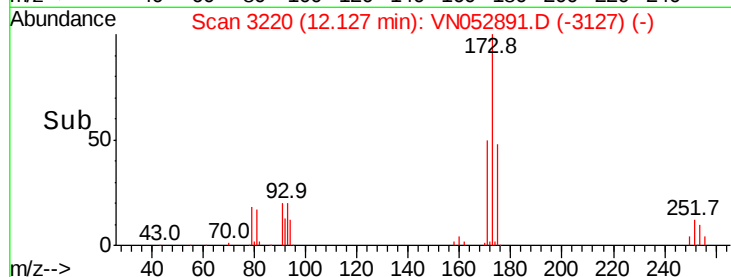
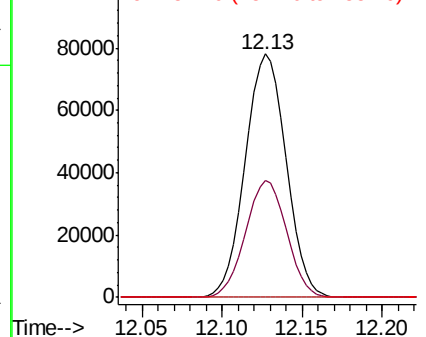


Abundance

Ion 172.70 (172.40 to 173.40): V

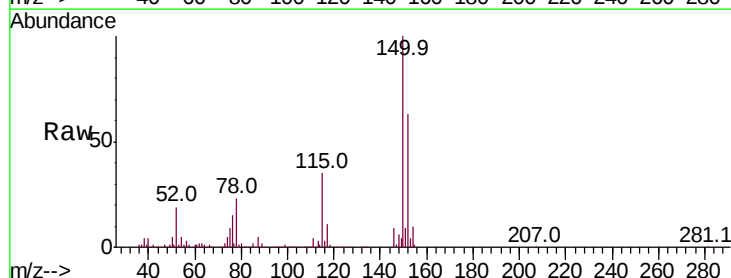
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.3	85.0
150	163.3	0.0	347.8

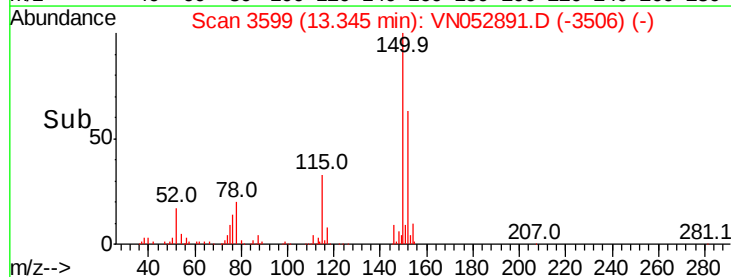
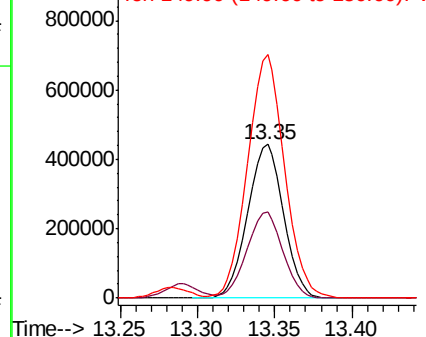


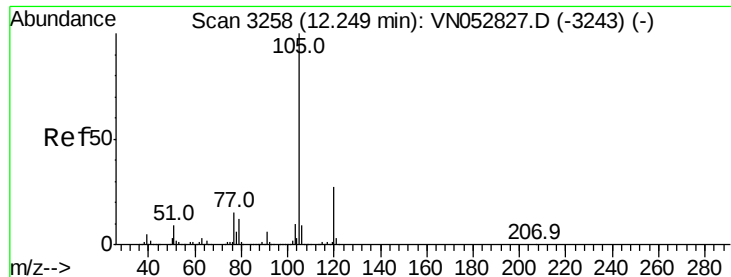
Abundance

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: 19.692 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion:105 Resp: 1053359

Ion Ratio Lower Upper

105 100

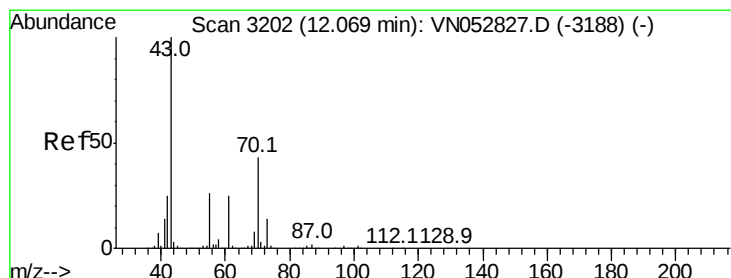
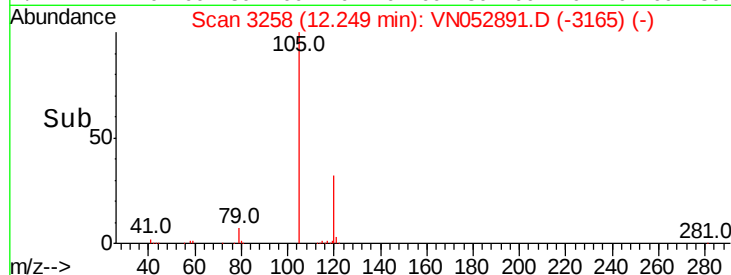
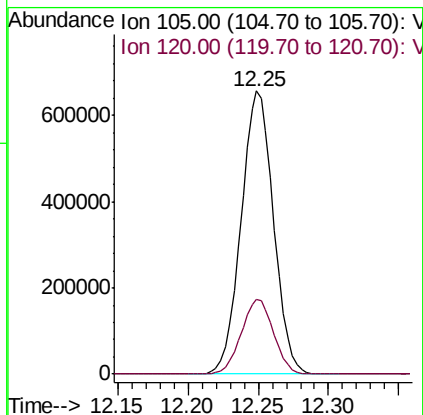
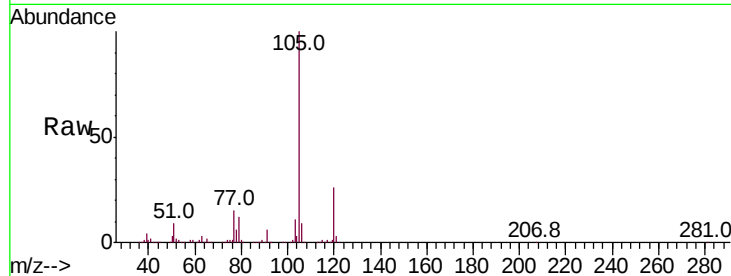
120 26.4 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.508 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Tgt Ion: 43 Resp: 271807

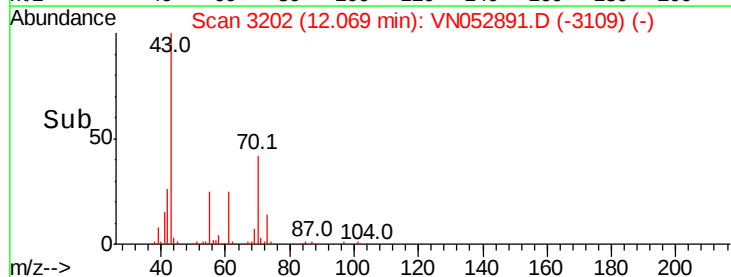
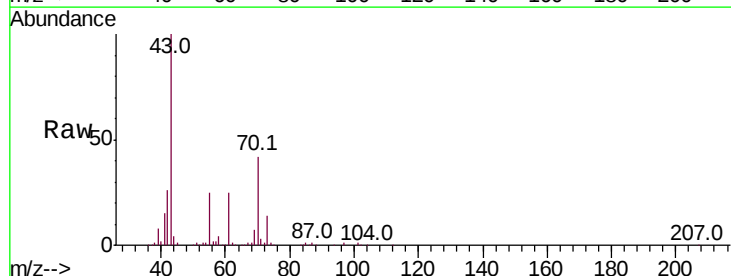
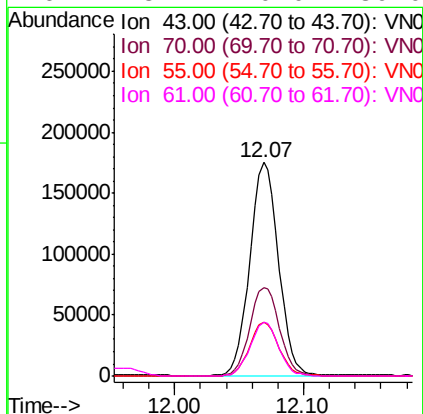
Ion Ratio Lower Upper

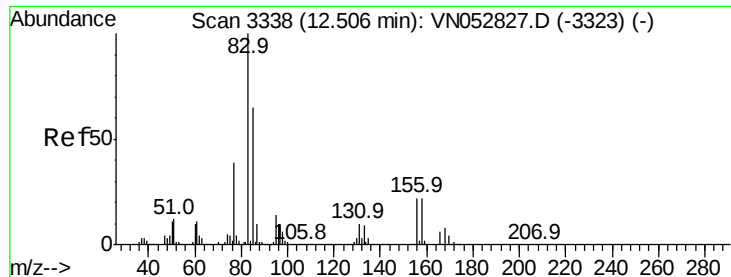
43 100

70 43.4 34.2 51.4

55 25.6 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 14.353 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 83 Resp: 172071

Ion Ratio Lower Upper

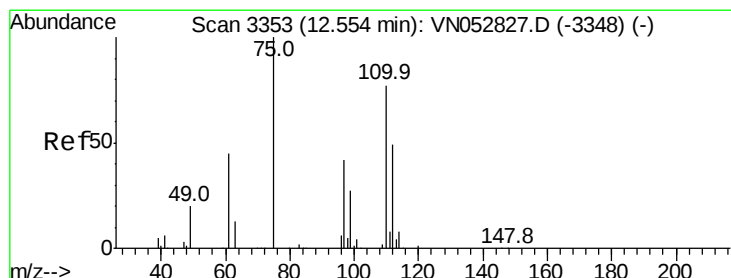
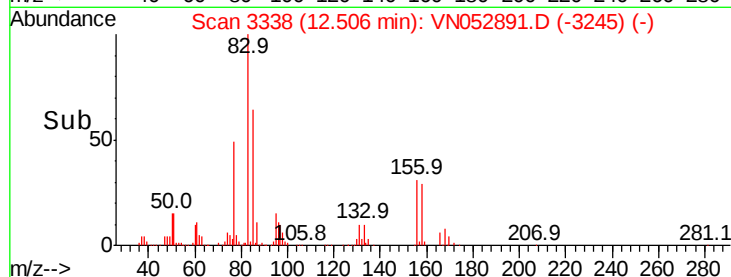
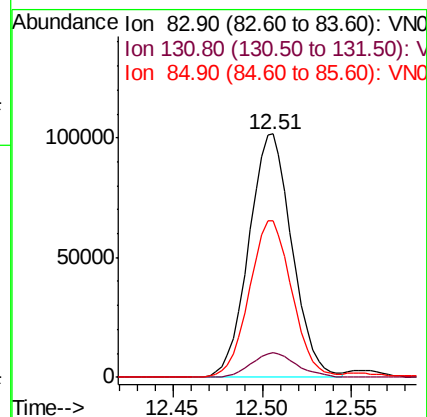
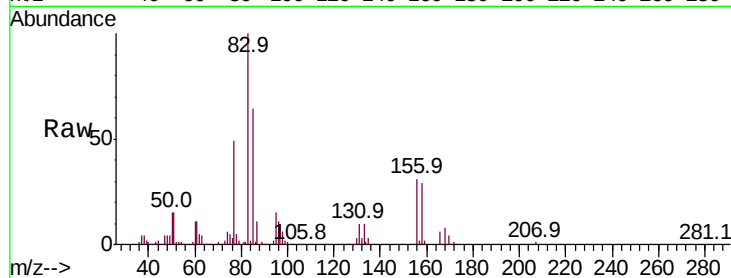
83 100

131 10.6 5.2 15.6

85 63.4 32.4 97.0

Manual Integrations
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MMDadoda
12/17/2018 3:05:55 PM



#76

1,2,3-Trichloropropane

Concen: 17.725 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052891.D

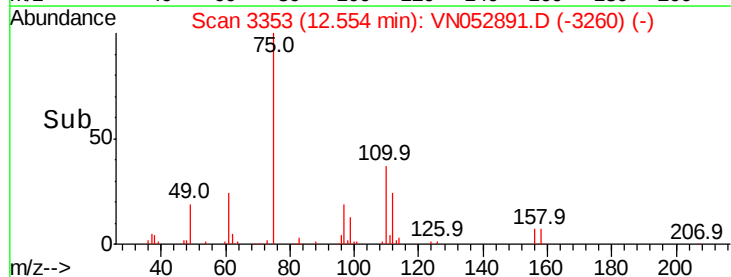
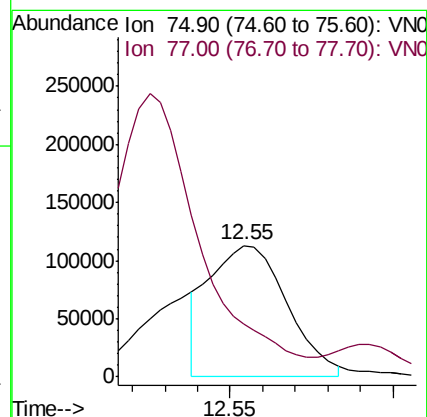
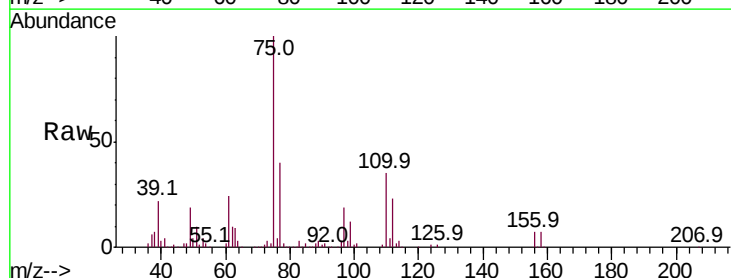
Acq: 14 Dec 2018 16:25

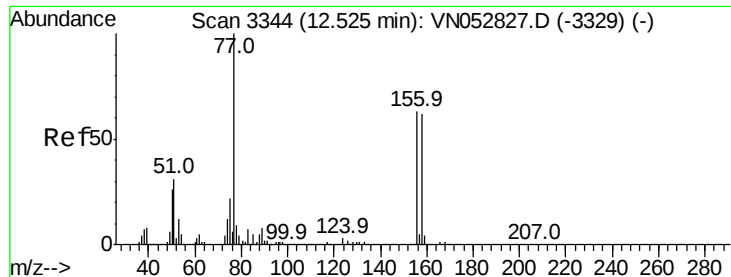
Tgt Ion: 75 Resp: 187357

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.632 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

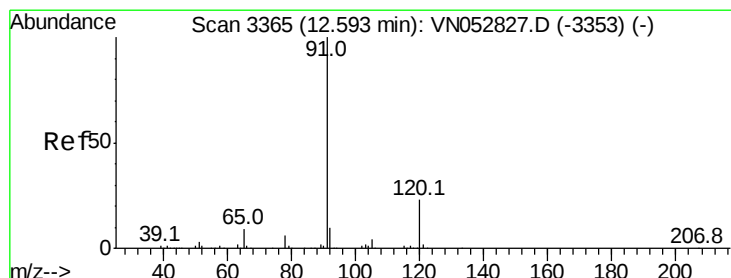
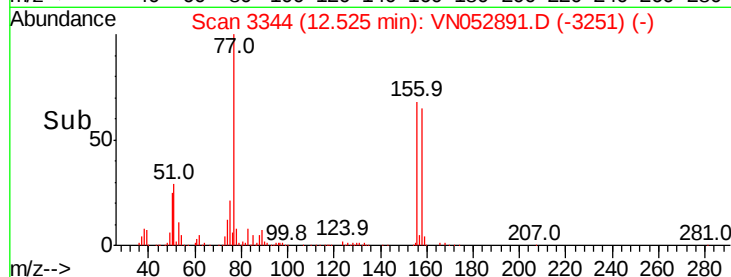
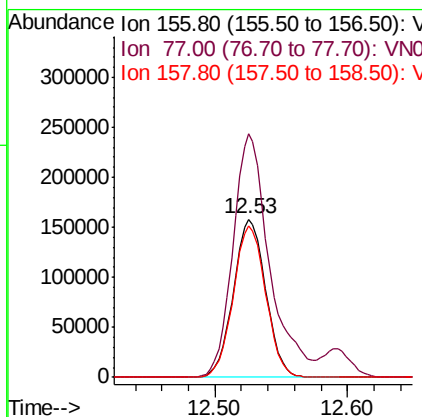
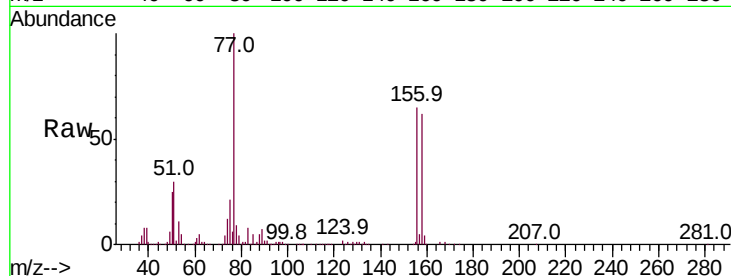
ClientSampleId :

VN1214WBS02

Tot Ion:	156	Resp:	267106
Ion Ratio	Lower	Upper	
156	100		
77	174.4	91.3	273.8
158	96.2	49.0	147.2

Manual Integrations
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MMDadoda
12/17/2018 3:05:55 PM



#78

n-propylbenzene

Concen: 19.725 ug/l

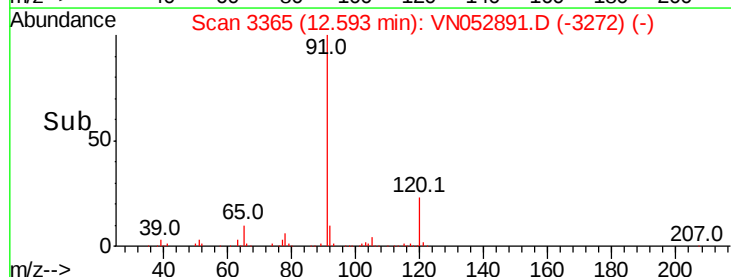
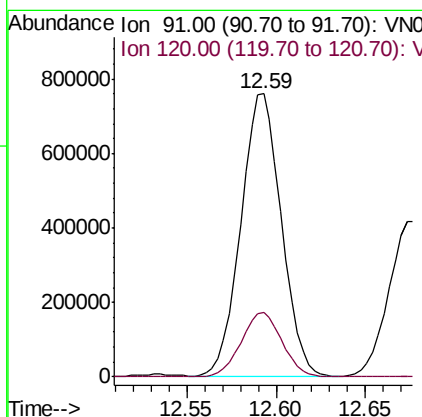
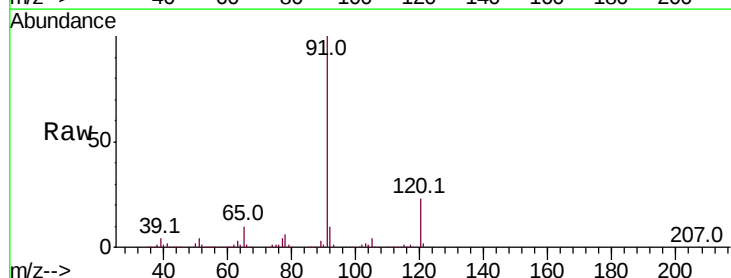
RT: 12.59 min Scan# 3365

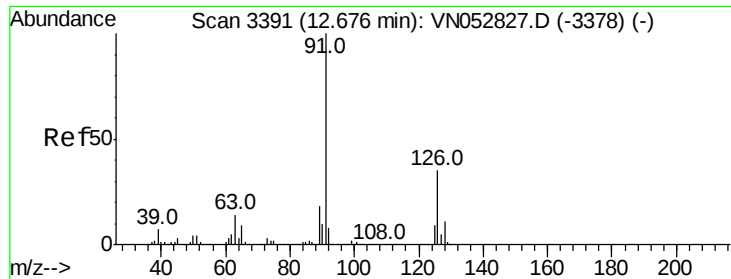
Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Tgt Ion:	91	Resp:	1203322
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.438 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS02

Tot Ion: 91 Resp: 701052

Ion Ratio Lower Upper

91 100

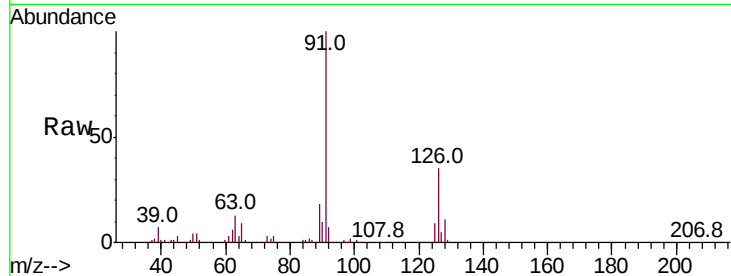
126 35.0 17.4 52.3

Manual Integrations

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12/17/2018 3:05:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)

800000

600000

400000

200000

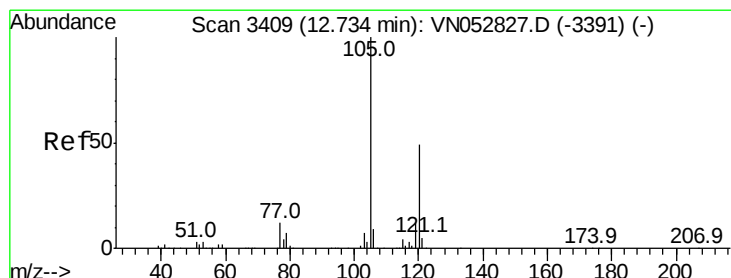
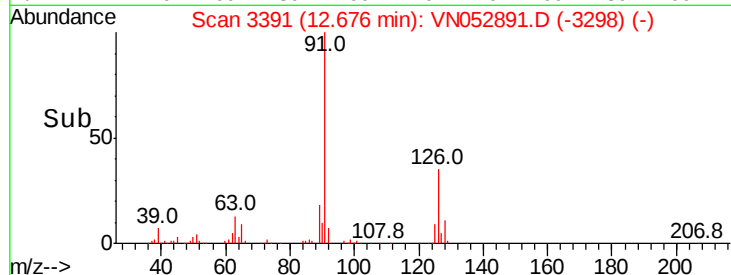
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.647 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052891.D

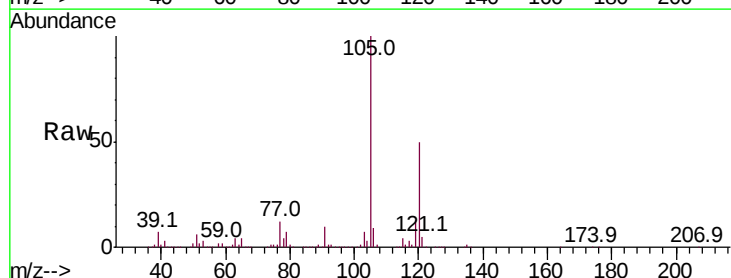
Acq: 14 Dec 2018 16:25

Tgt Ion: 105 Resp: 848366

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)

600000

500000

400000

300000

200000

100000

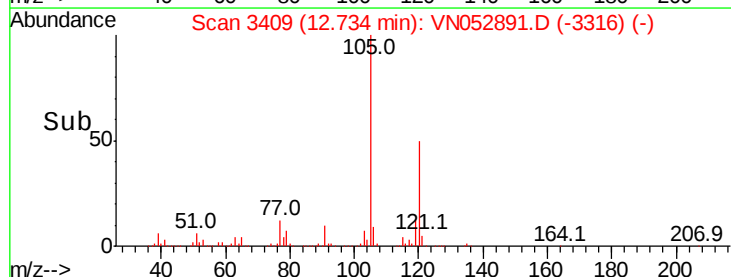
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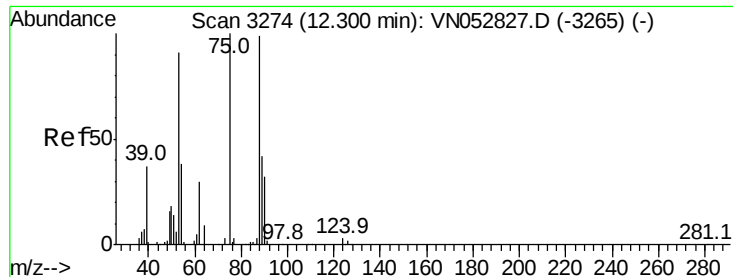
12.73

12.70

12.80

Time-->





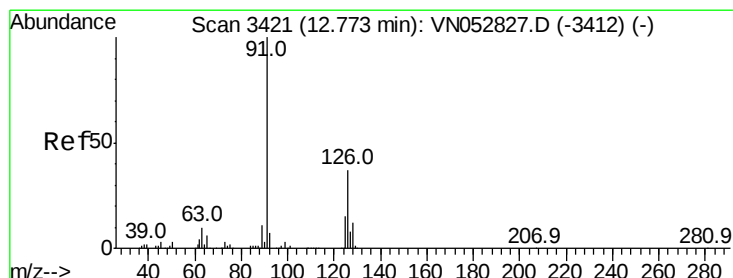
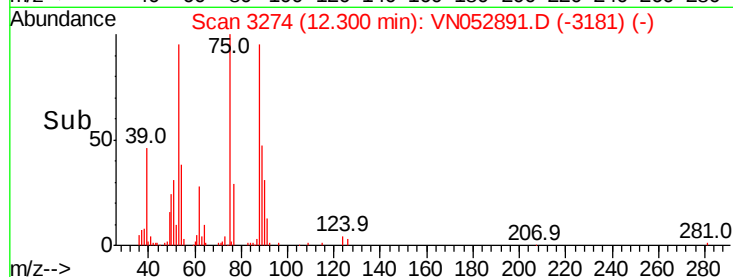
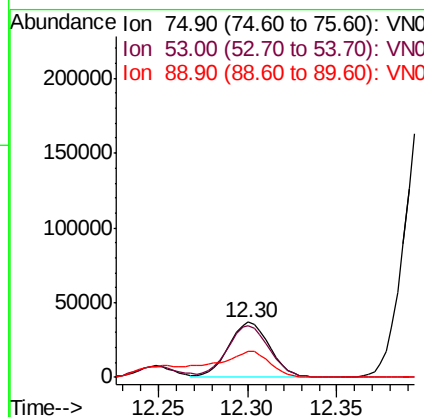
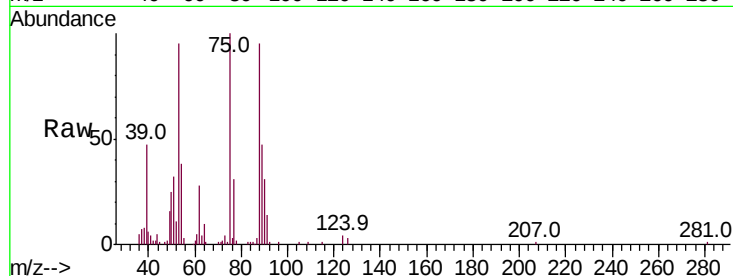
#81
trans-1,4-Dichloro-2-butene
Concen: 18.144 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	74.7	112.1
89	44.3	36.1	54.1

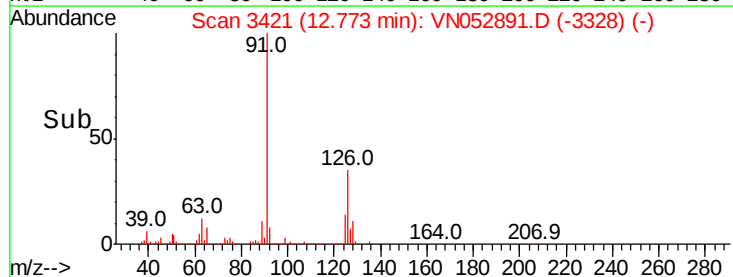
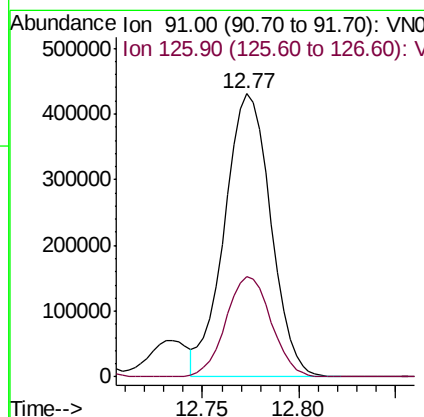
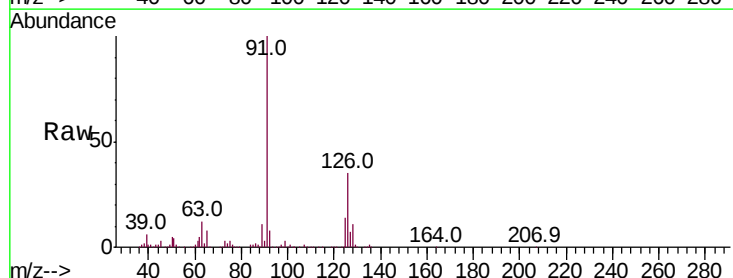
Manual Integrations
APPROVED

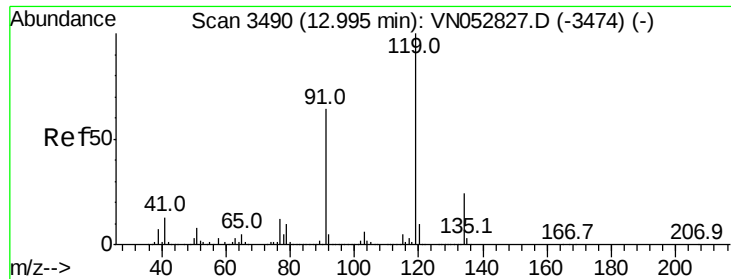
MMDadoda
12/17/2018 3:05:55 PM



#82
4-Chlorotoluene
Concen: 19.349 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





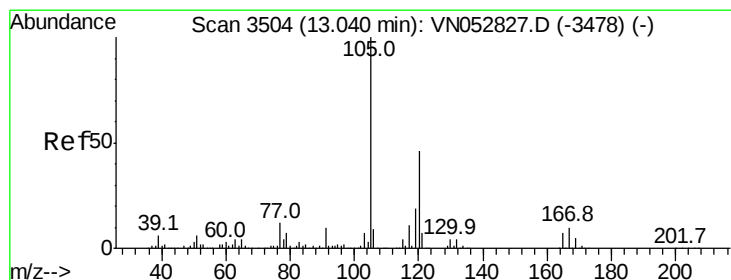
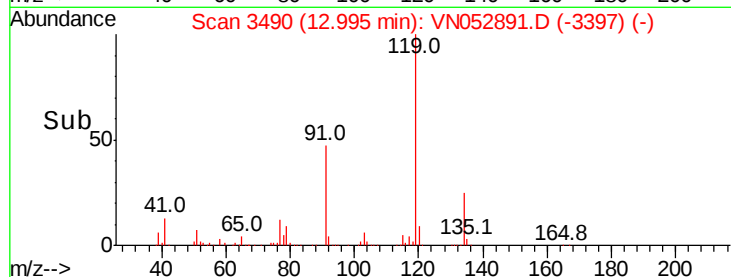
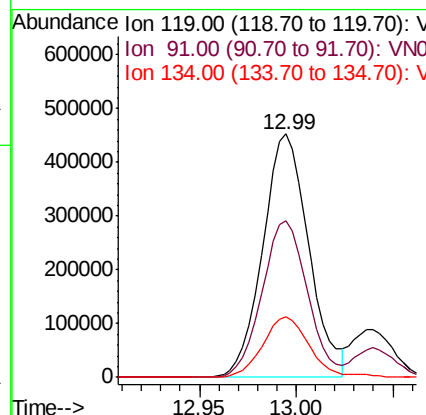
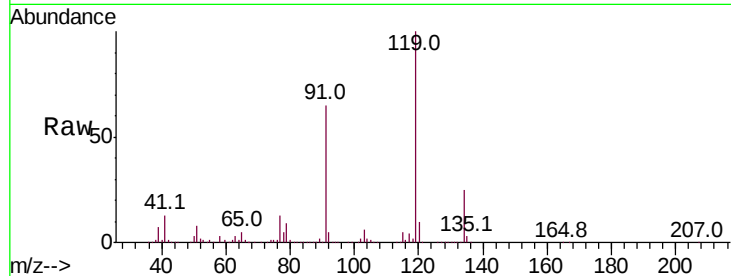
#83
tert-Butylbenzene
Concen: 19.670 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.9	95.5
134	25.2	12.8	38.4

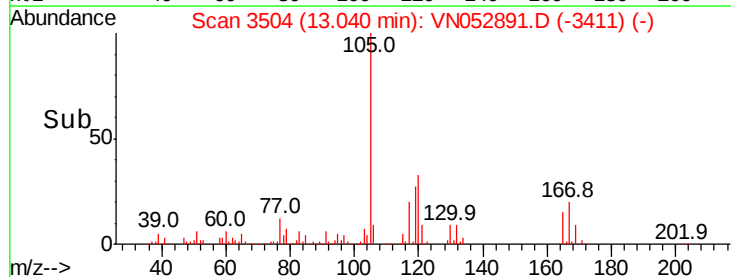
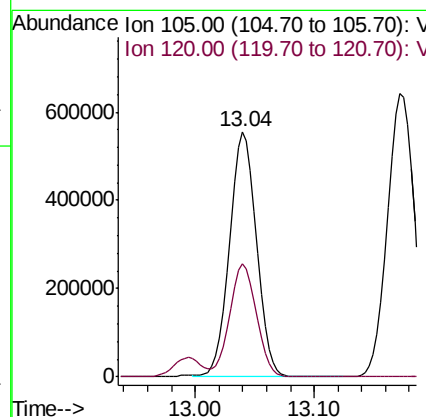
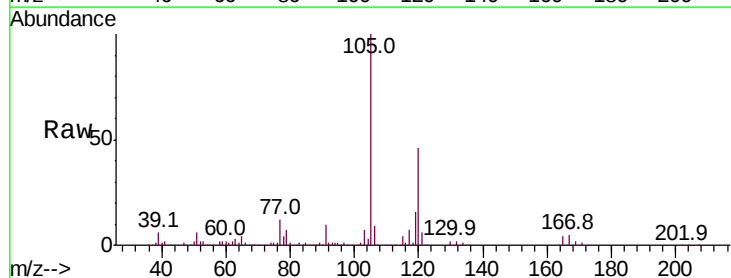
Manual Integrations
APPROVED

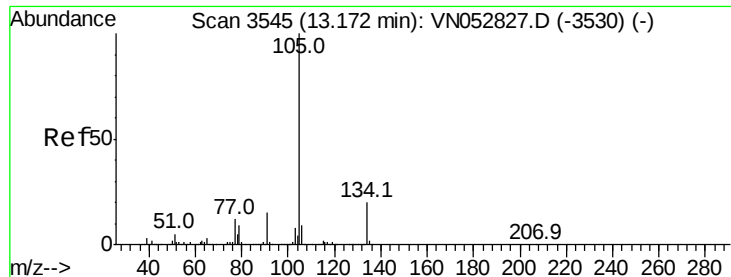
MMDadoda
12/17/2018 3:05:55 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.916 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





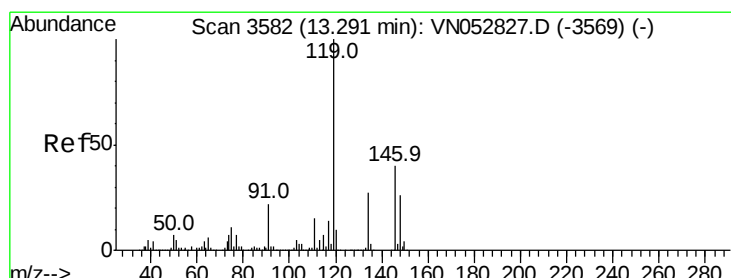
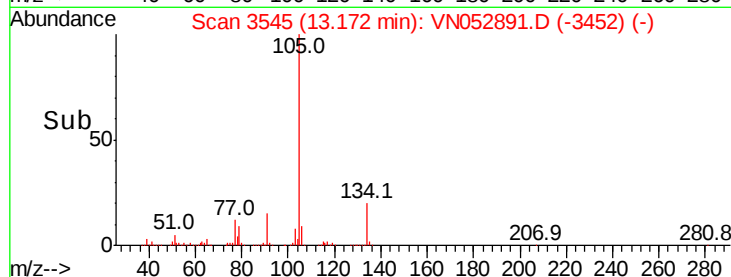
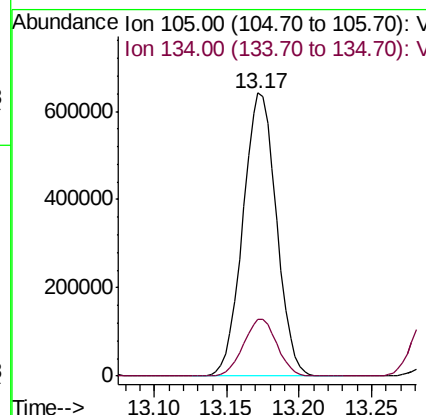
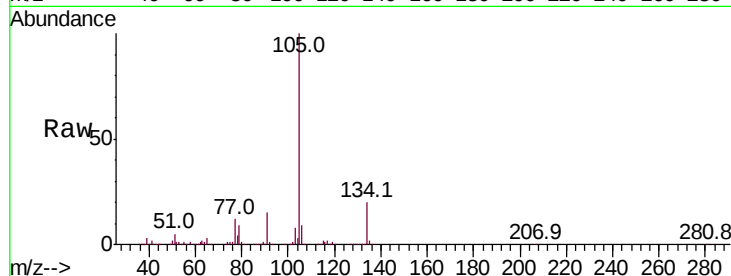
#85
 sec-Butylbenzene
 Concen: 19.943 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Tot Ion:105 Resp: 1028772
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3

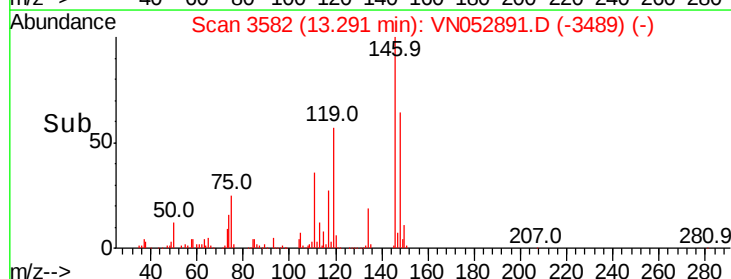
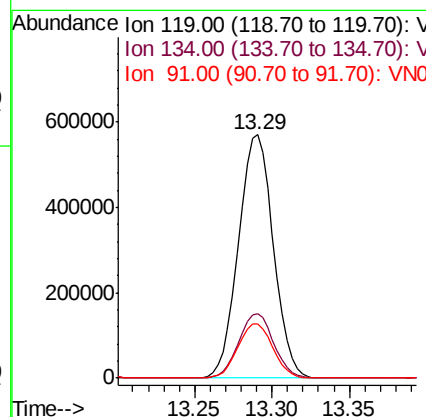
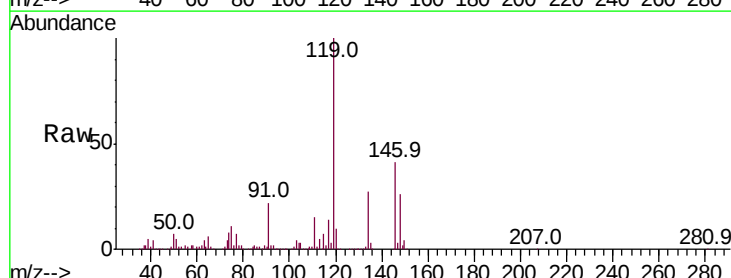
Manual Integrations
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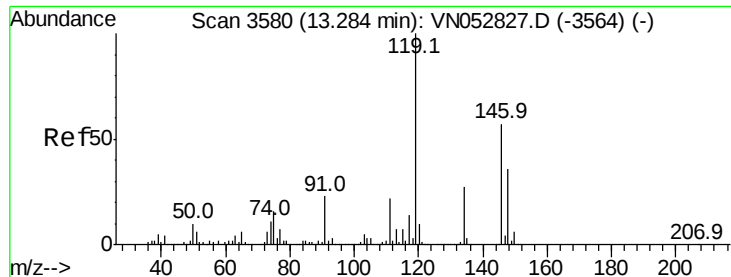
MMDadoda
 12/17/2018 3:05:55 PM



#86
 p-Isopropyltoluene
 Concen: 19.915 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion:119 Resp: 890080
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.4 11.1 33.3





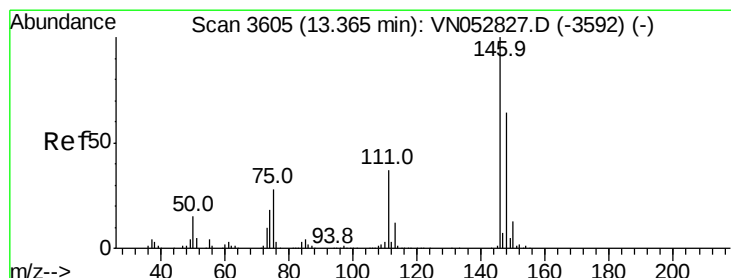
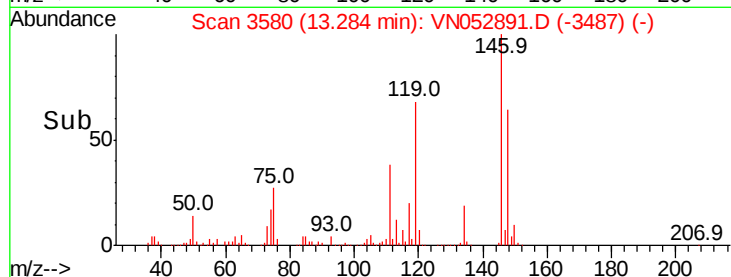
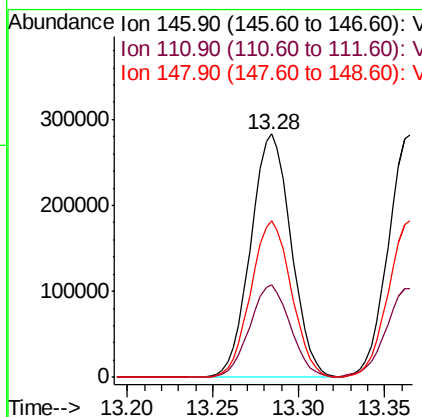
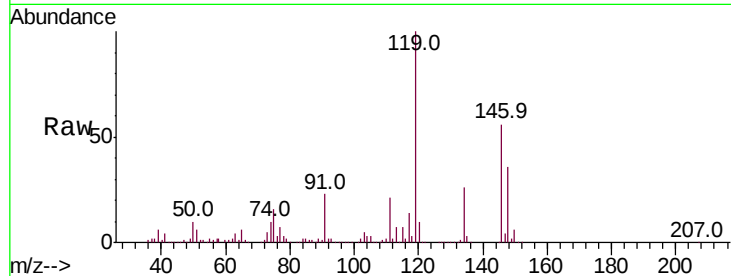
#87
 1,3-Dichlorobenzene
 Concen: 19.101 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.4	32.0	96.0

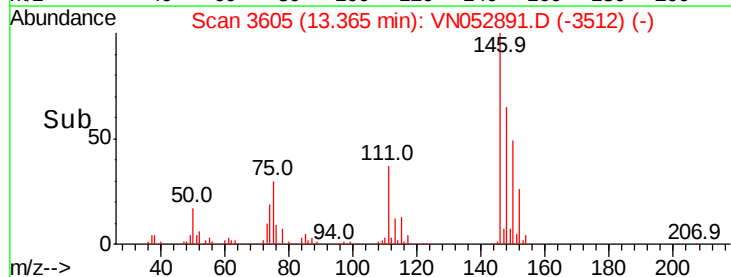
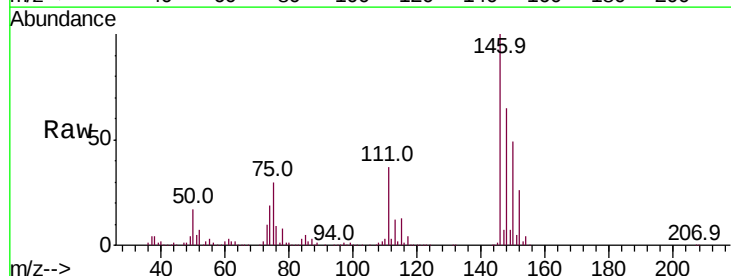
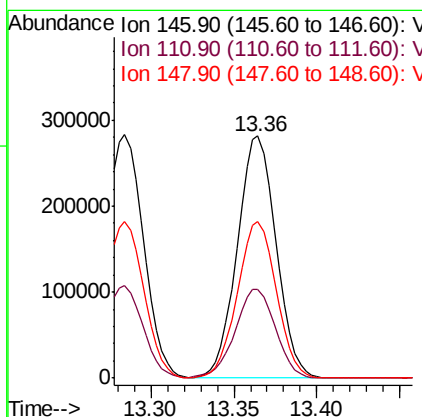
Manual Integrations
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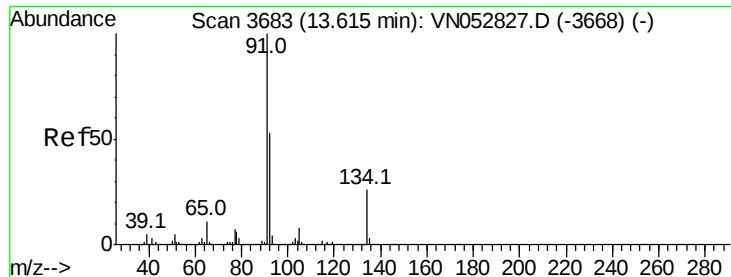
MMDadoda
 12/17/2018 3:05:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.134 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	65.2	32.1	96.5





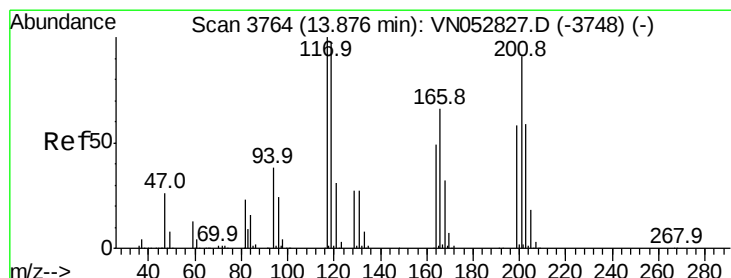
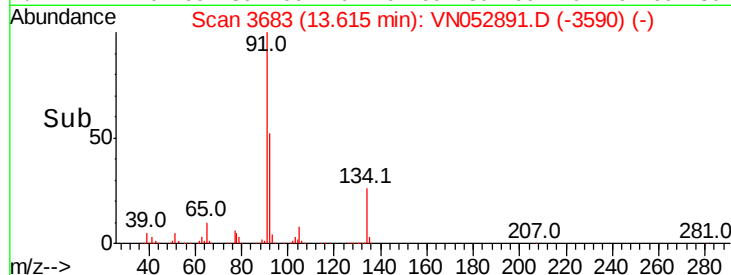
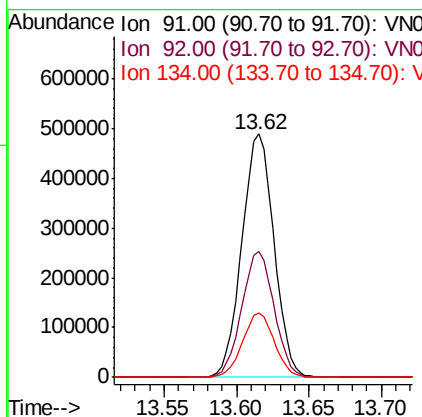
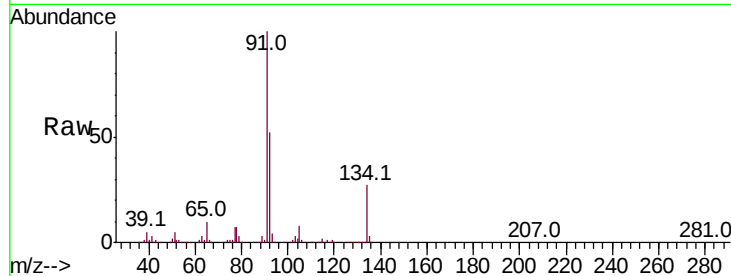
#89
n-Butylbenzene
Concen: 20.085 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.1	13.3	39.8

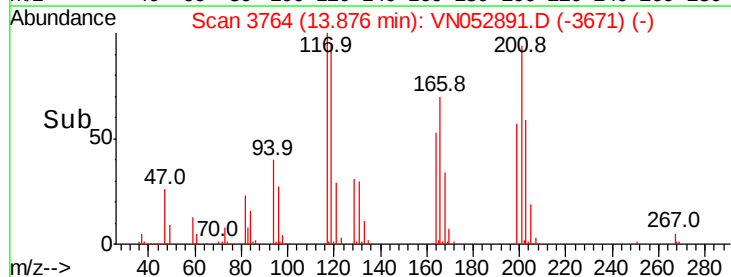
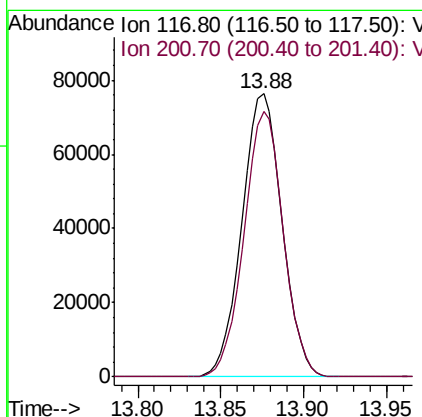
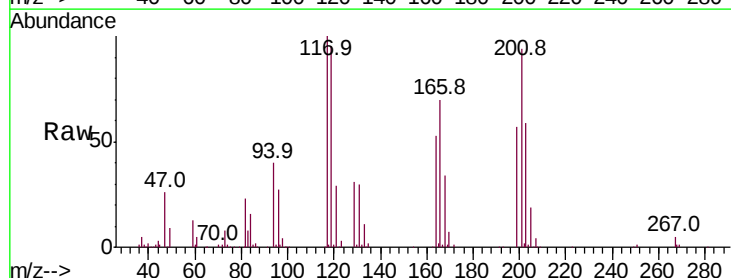
Manual Integrations
APPROVED

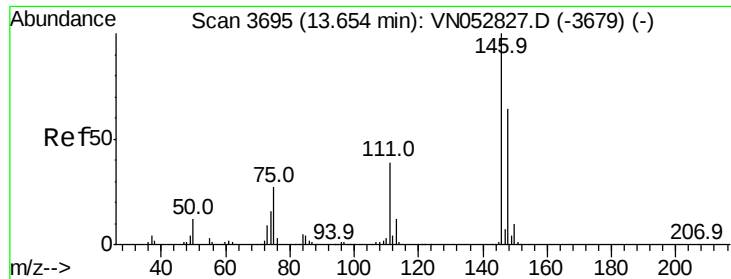
MMDadoda
12/17/2018 3:05:55 PM



#90
Hexachloroethane
Concen: 17.255 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.7	137.1





#91

1,2-Dichlorobenzene

Concen: 18.817 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Instrument :

MSVOA_N

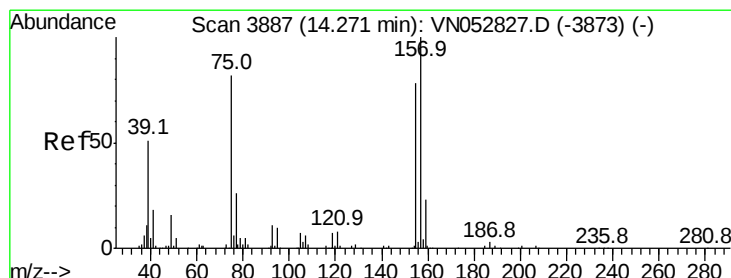
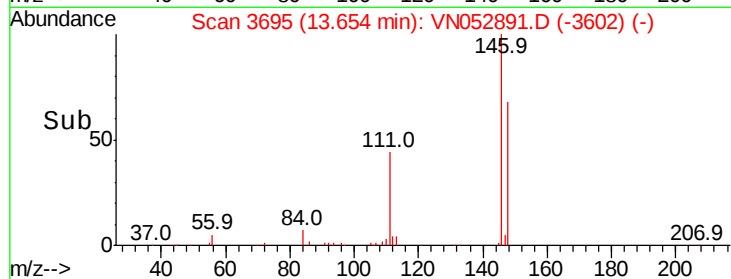
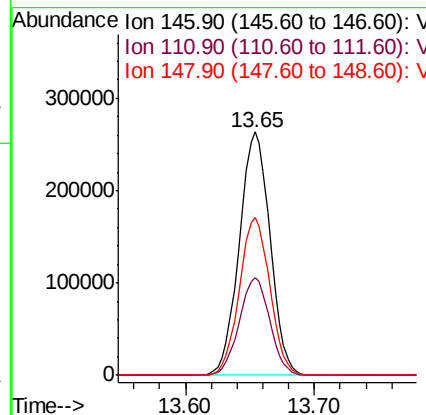
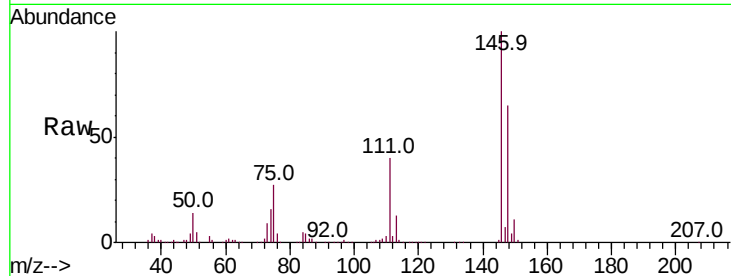
ClientSampleId :

VN1214WBS02

Tot Ion:	146	Resp:	437644
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.7	59.0
148	64.2	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.090 ug/l

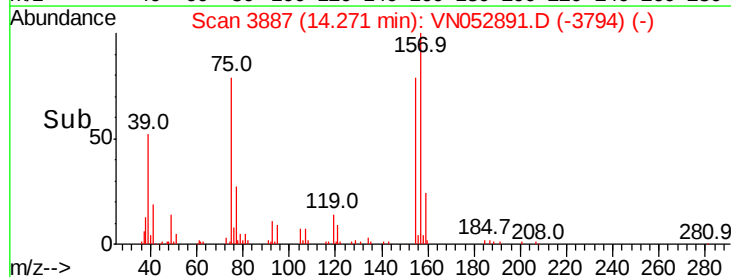
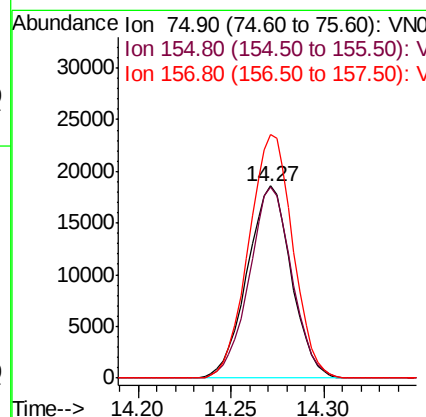
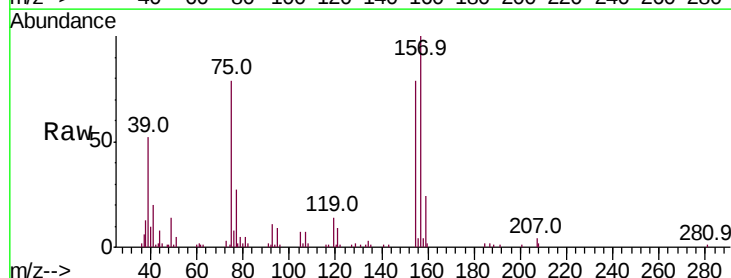
RT: 14.27 min Scan# 3887

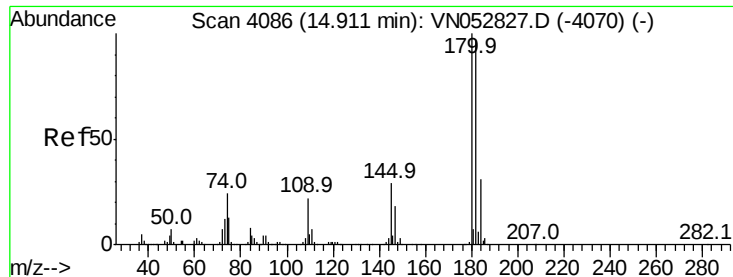
Delta R.T. -0.00 min

Lab File: VN052891.D

Acq: 14 Dec 2018 16:25

Tgt Ion:	75	Resp:	30884
Ion Ratio	Lower	Upper	
75	100		
155	96.0	48.2	144.6
157	126.6	61.2	183.5





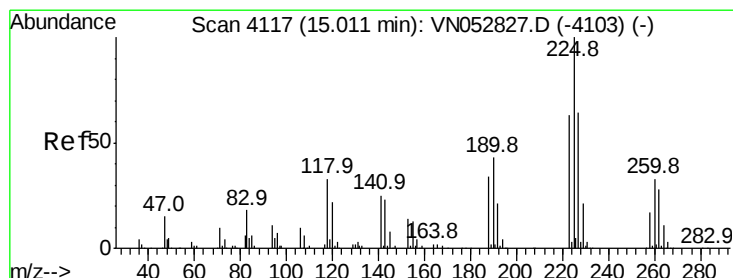
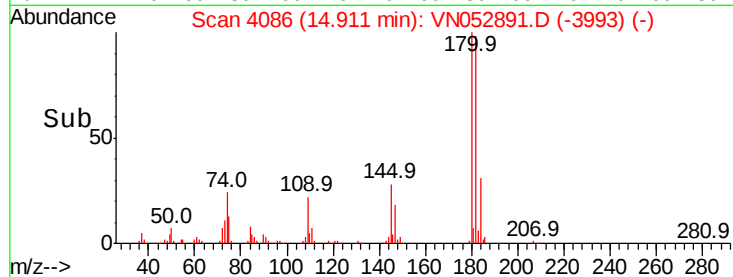
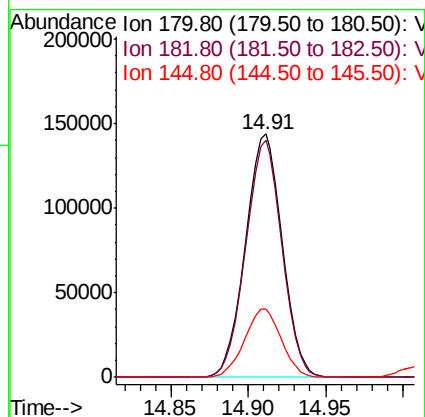
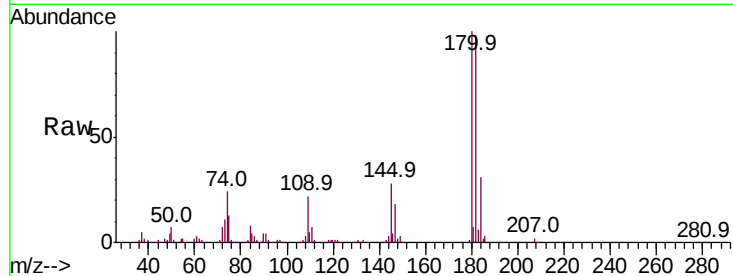
#93
 1,2,4-Trichlorobenzene
 Concen: 18.820 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.8	143.3	
145	28.3	14.2	42.6	

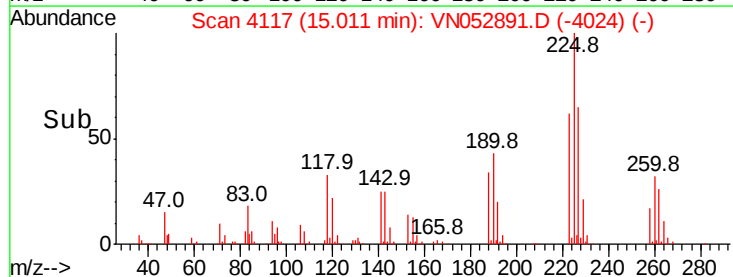
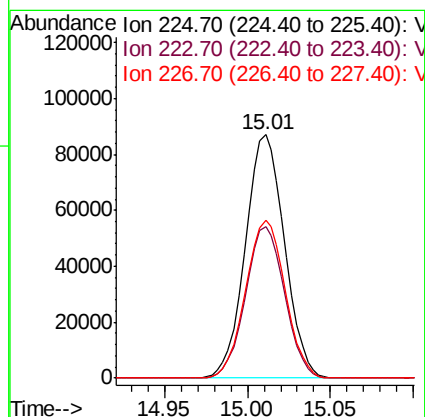
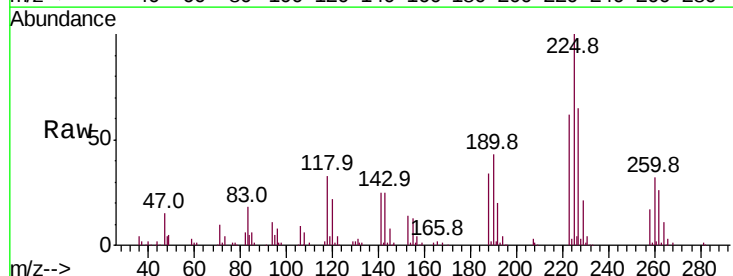
Manual Integrations
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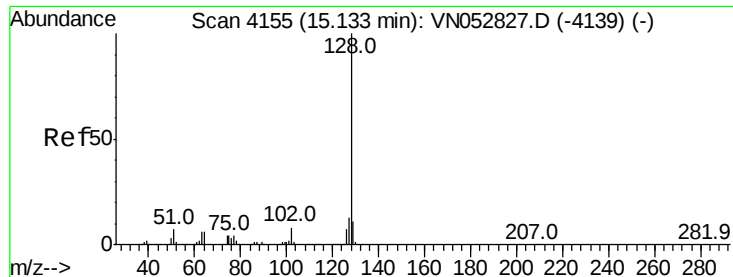
MMDadoda
 12/17/2018 3:05:55 PM



#94
 Hexachlorobutadiene
 Concen: 19.523 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052891.D
 Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.5	94.5	
227	65.8	31.9	95.7	





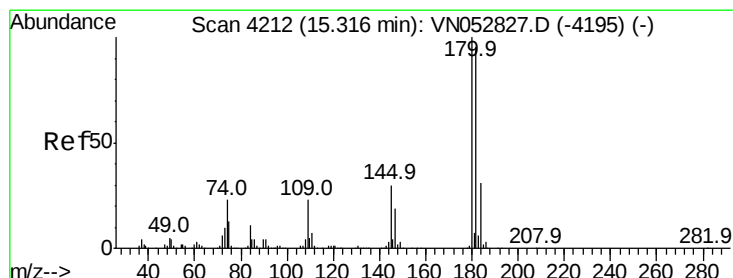
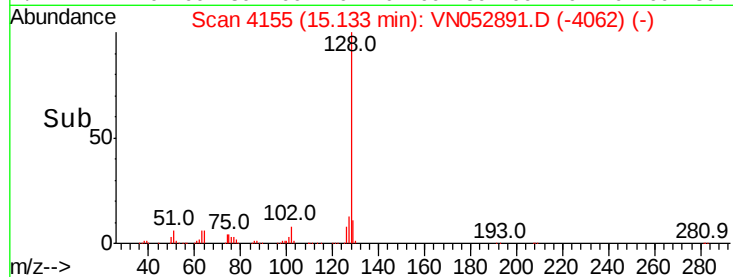
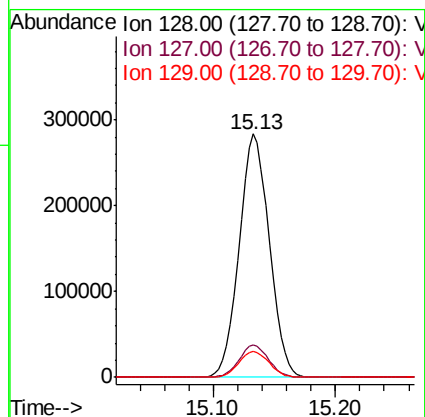
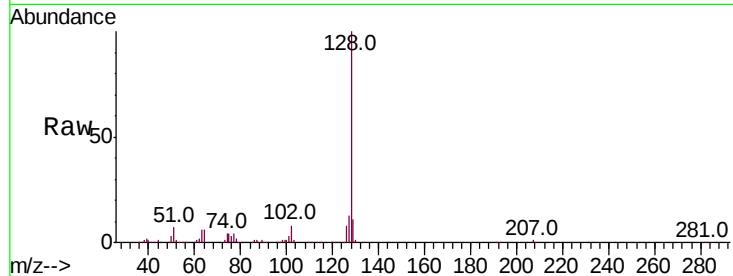
#95
Naphthalene
Concen: 18.449 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	483071		
127	13.0		10.2	15.4
129	10.8		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.223 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN052891.D
Acq: 14 Dec 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211393		
182	95.2		47.9	143.7
145	30.3		15.0	45.0

