

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049737.D
 Acq On : 6 Jul 2018 14:28
 Operator : MD\SY
 Sample : VN0706WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:31 PM

Quant Time: Jul 06 16:59:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 06 11:12:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1083004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1673253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1475133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	779459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	645431	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	7.59	113	547896	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	
50) Toluene-d8	10.09	98	2023304	41.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.64%	
62) 4-Bromofluorobenzene	12.40	95	707359	42.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	213213	17.469	ug/l	95
3) Chloromethane	2.06	50	282627	18.540	ug/l	100
4) Vinyl Chloride	2.18	62	300039	18.326	ug/l	99
5) Bromomethane	2.56	94	141150	16.413	ug/l	97
6) Chloroethane	2.70	64	194892	18.807	ug/l	98
7) Trichlorofluoromethane	3.01	101	405670	21.692	ug/l	96
8) Diethyl Ether	3.41	74	146214	19.289	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	255312	18.975	ug/l	99
10) Methyl Iodide	3.95	142	277238	16.464	ug/l	97
11) Tert butyl alcohol	4.81	59	89166	108.645	ug/l	98
12) 1,1-Dichloroethene	3.73	96	228719	17.981	ug/l	98
13) Acrolein	3.61	56	111679	145.680	ug/l	97
14) Allyl chloride	4.32	41	354458	20.287	ug/l	99
15) Acrylonitrile	5.00	53	435268	102.686	ug/l	98
16) Acetone	3.82	43	348031	116.917	ug/l	99
17) Carbon Disulfide	4.05	76	606447	17.085	ug/l	99
18) Methyl Acetate	4.33	43	249955	16.025	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	628407	19.164	ug/l	97
20) Methylene Chloride	4.55	84	337020	22.884	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	237210	18.120	ug/l	99
22) Diisopropyl ether	5.96	45	755086	19.101	ug/l	98
23) Vinyl Acetate	5.90	43	2259432	88.138	ug/l	99
24) 1,1-Dichloroethane	5.85	63	466326	18.725	ug/l	100
25) 2-Butanone	6.84	43	499245	105.149	ug/l	99
26) 2,2-Dichloropropane	6.83	77	367755	17.780	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	271302	18.552	ug/l	99
28) Bromochloromethane	7.20	49	193536	18.310	ug/l	100
29) Tetrahydrofuran	7.22	42	316215	104.493	ug/l	99
30) Chloroform	7.37	83	478101	18.833	ug/l	100
31) Cyclohexane	7.65	56	383711	17.492	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	405195	18.852	ug/l	99
36) 1,1-Dichloropropene	7.79	75	341388	18.135	ug/l	99
37) Ethyl Acetate	6.93	43	230155	20.961	ug/l	98
38) Carbon Tetrachloride	7.77	117	323547	17.668	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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MMDadoda
 7/9/2018 6:00:31 PM

Quant Time: Jul 06 16:59:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 06 11:12:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	350785	16.995	ug/l	95
40) Benzene	8.04	78	1069269	18.602	ug/l	99
41) Methacrylonitrile	7.22	41	321979	52.022	ug/l #	20
42) 1,2-Dichloroethane	8.13	62	347969	18.968	ug/l	100
43) Isopropyl Acetate	8.17	43	438563	19.766	ug/l	98
44) Trichloroethene	8.84	130	304668	17.575	ug/l	100
45) 1,2-Dichloropropane	9.12	63	280733	18.903	ug/l	99
46) Dibromomethane	9.21	93	171361	19.073	ug/l	100
47) Bromodichloromethane	9.40	83	359746	18.809	ug/l	100
48) Methyl methacrylate	9.20	41	190888	19.564	ug/l	97
49) 1,4-Dioxane	9.20	88	54178	413.020	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1130942	105.054	ug/l	99
52) Toluene	10.16	92	643388	18.527	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	327056	17.858	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	386834	18.073	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	250508	19.374	ug/l	99
56) Ethyl methacrylate	10.43	69	296849	19.586	ug/l	99
57) 1,3-Dichloropropane	10.71	76	404872	19.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	573310	80.257	ug/l	99
59) 2-Hexanone	10.75	43	736482	103.459	ug/l	99
60) Dibromochloromethane	10.90	129	273148	19.545	ug/l	99
61) 1,2-Dibromoethane	11.01	107	234824	18.954	ug/l	98
64) Tetrachloroethene	10.63	164	363282	18.188	ug/l	97
65) Chlorobenzene	11.44	112	701490	18.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	260719	18.856	ug/l	100
67) Ethyl Benzene	11.51	91	1149137	18.065	ug/l	99
68) m/p-Xylenes	11.63	106	912372	37.426	ug/l	100
69) o-Xylene	11.95	106	440919	18.891	ug/l	99
70) Styrene	11.97	104	704908	18.666	ug/l	100
71) Bromoform	12.13	173	176755	19.238	ug/l #	99
73) Isopropylbenzene	12.25	105	1147693	18.485	ug/l	99
74) N-amyl acetate	12.07	43	317402	18.715	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	295690	22.154	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	279752m	22.378	ug/l	
77) Bromobenzene	12.53	156	305137	18.074	ug/l	100
78) n-propylbenzene	12.59	91	1337526	18.797	ug/l	100
79) 2-Chlorotoluene	12.68	91	832410	18.484	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1002901	19.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63289	17.195	ug/l	92
82) 4-Chlorotoluene	12.78	91	819468	18.097	ug/l	100
83) tert-Butylbenzene	13.00	119	831310	18.757	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1004298	18.944	ug/l	100
85) sec-Butylbenzene	13.17	105	1102405	18.773	ug/l	100
86) p-Isopropyltoluene	13.29	119	954651	18.769	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	528576	18.129	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	519765	18.228	ug/l	99
89) n-Butylbenzene	13.62	91	725067	16.651	ug/l	100
90) Hexachloroethane	13.88	117	102237	19.136	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	536852	18.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45312	20.308	ug/l	97

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

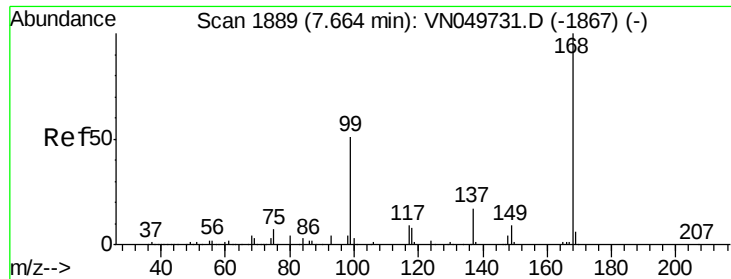
Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:31 PM

Quant Time: Jul 06 16:59:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 06 11:12:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	192534	15.165	ug/l	98
94) Hexachlorobutadiene	15.01	225	160620	17.972	ug/l	99
95) Naphthalene	15.14	128	409496	15.931	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	203480	16.076	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampled :

VN0706WBS01

Tot Ion:168 Resp: 1083004

Ion Ratio Lower Upper

168 100

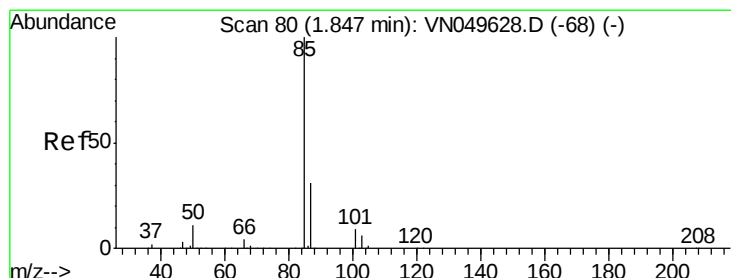
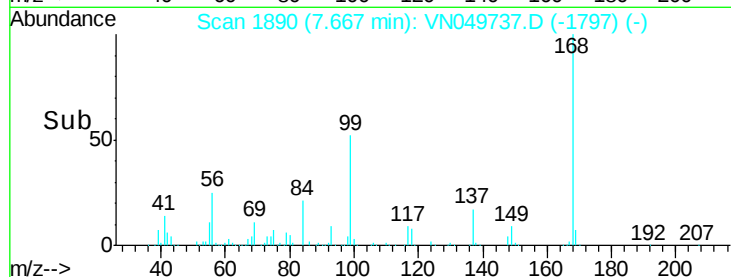
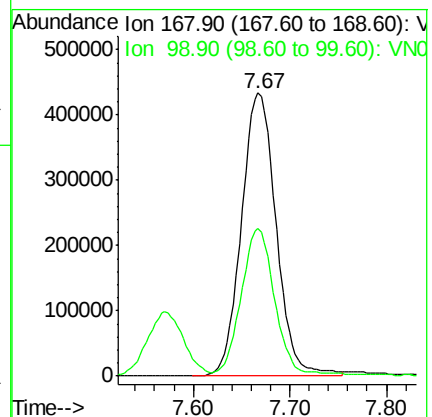
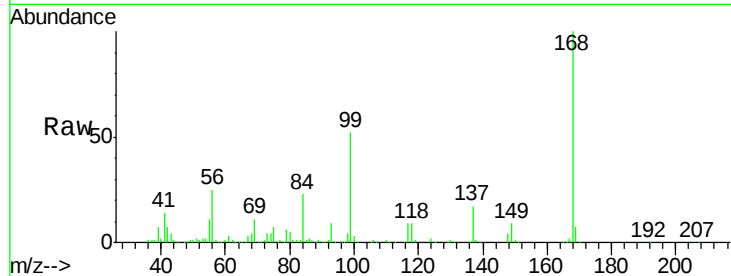
99 51.3 40.6 61.0

Manual Integrations

APPROVED

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7/9/2018 6:00:31 PM



#2

Dichlorodifluoromethane

Concen: 17.469 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049737.D

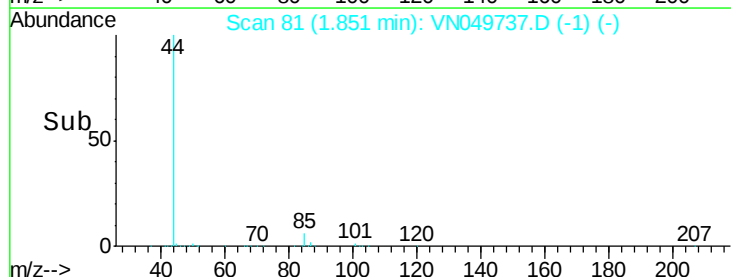
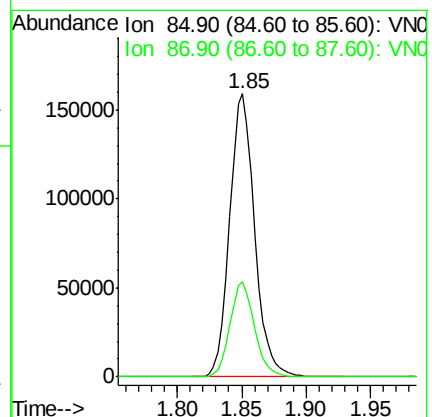
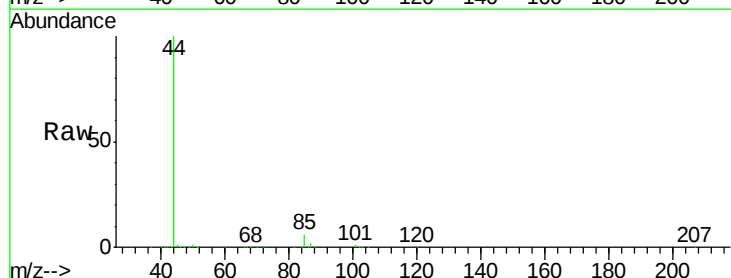
Acq: 6 Jul 2018 14:28

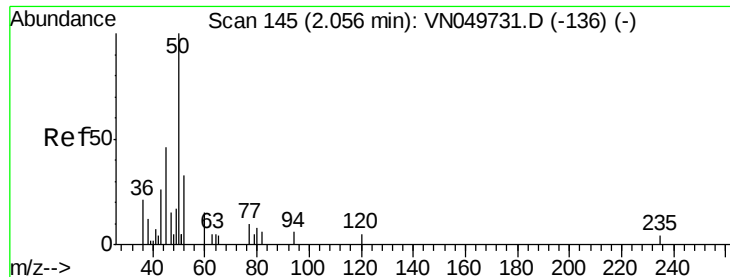
Tgt Ion: 85 Resp: 213213

Ion Ratio Lower Upper

85 100

87 33.7 15.4 46.1





#3

Chloromethane

Concen: 18.540 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion: 50 Resp: 282627

Ion Ratio Lower Upper

50 100

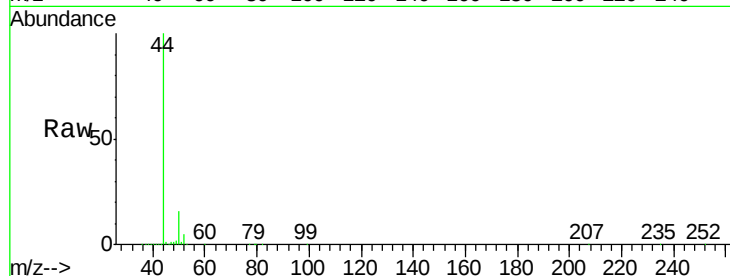
52 32.4 26.1 39.1

Manual Integrations

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7/9/2018 6:00:31 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

150000

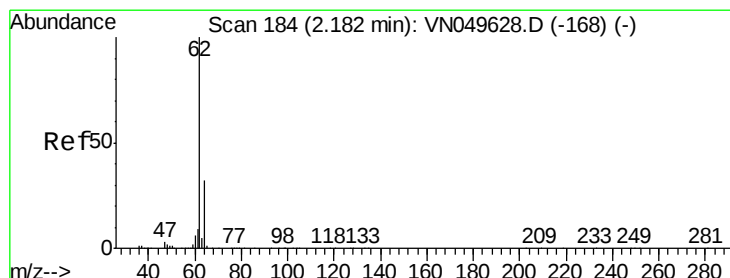
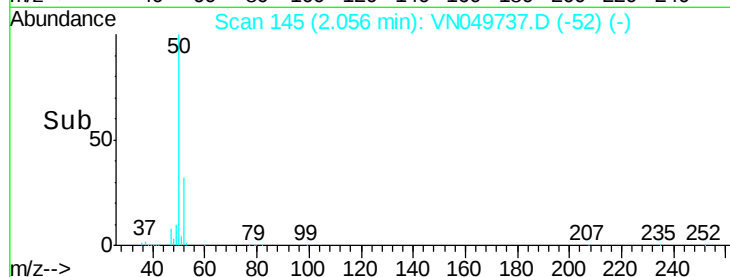
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 18.326 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049737.D

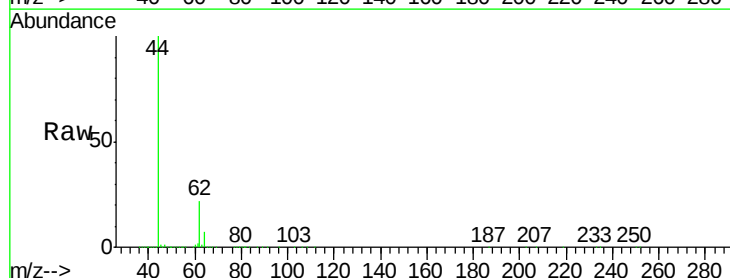
Acq: 6 Jul 2018 14:28

Tgt Ion: 62 Resp: 300039

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

200000

150000

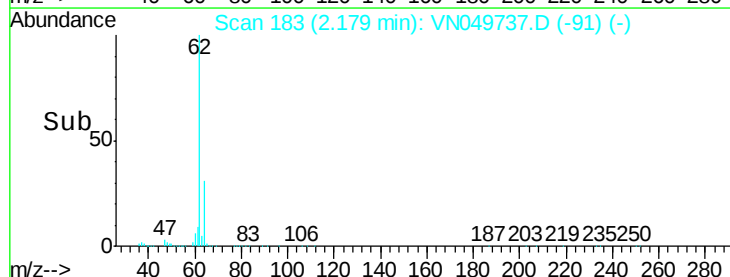
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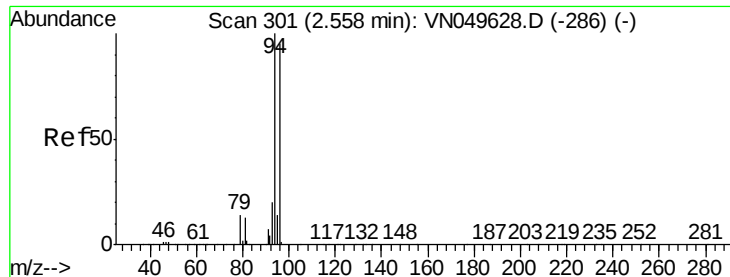
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 16.413 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion: 94 Resp: 141150

Ion Ratio Lower Upper

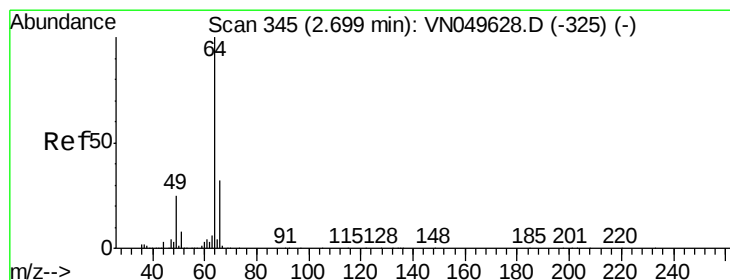
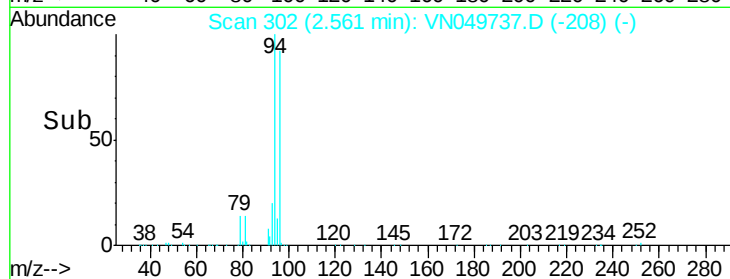
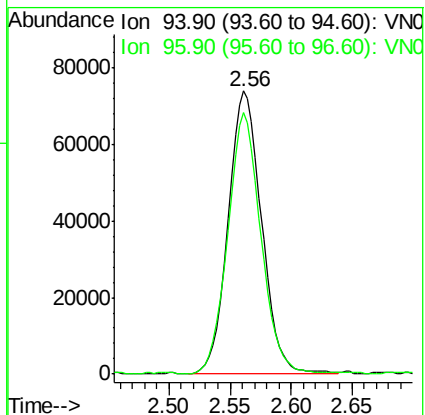
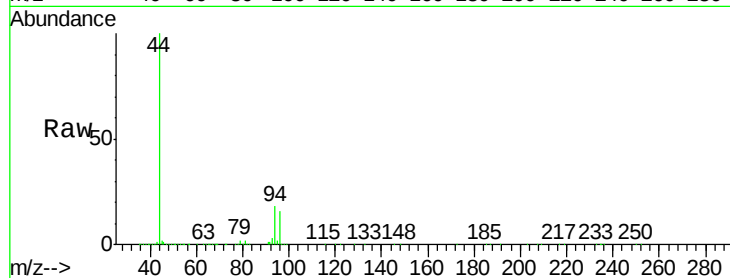
94 100

96 92.0 75.7 113.5

Manual Integrations
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7/9/2018 6:00:31 PM



#6

Chloroethane

Concen: 18.807 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049737.D

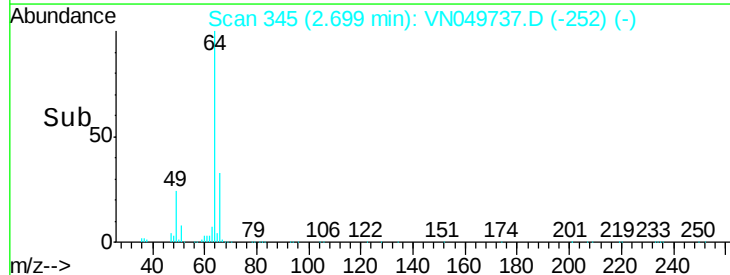
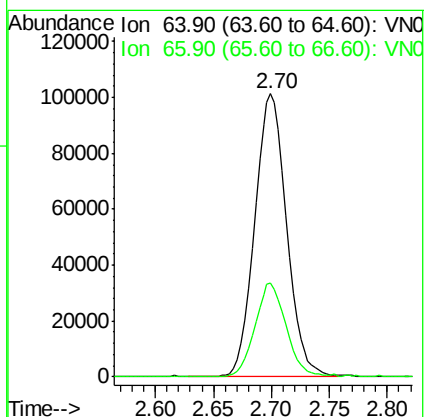
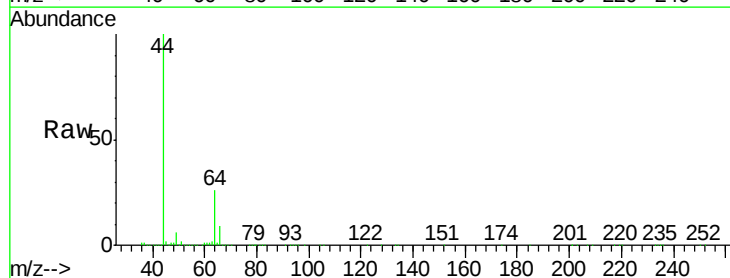
Acq: 6 Jul 2018 14:28

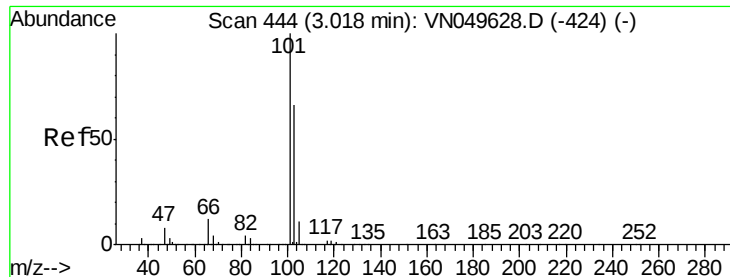
Tgt Ion: 64 Resp: 194892

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4





#7

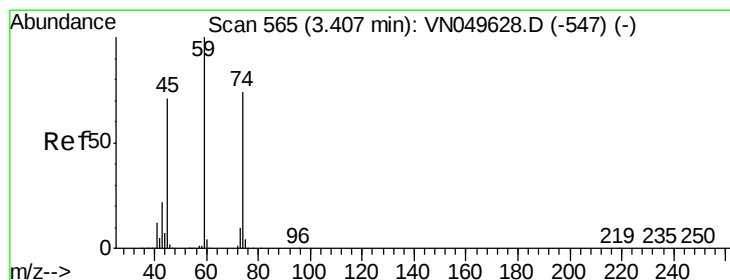
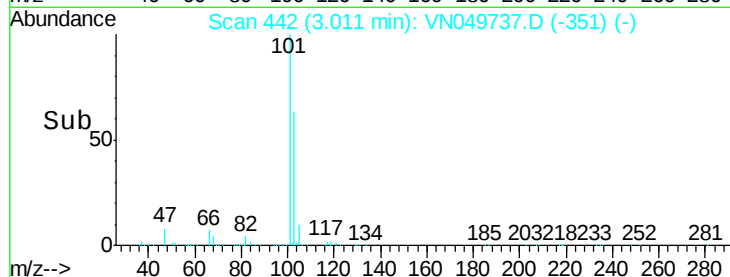
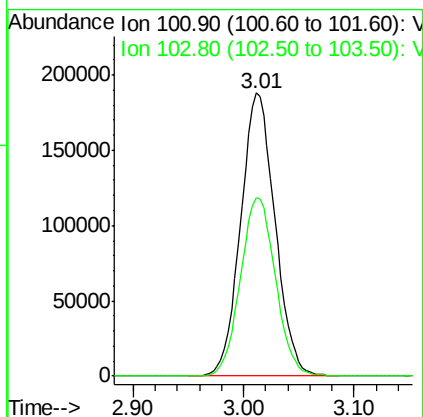
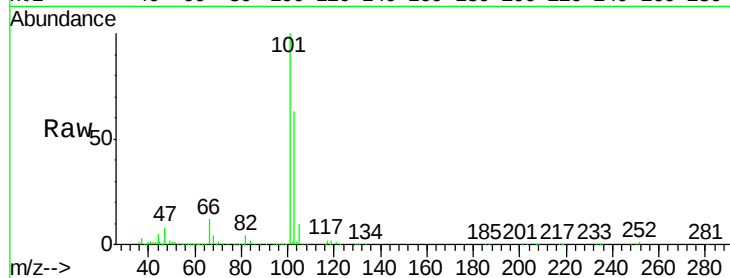
Trichlorofluoromethane
Concen: 21.692 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.01 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.8	79.2

Manual Integrations
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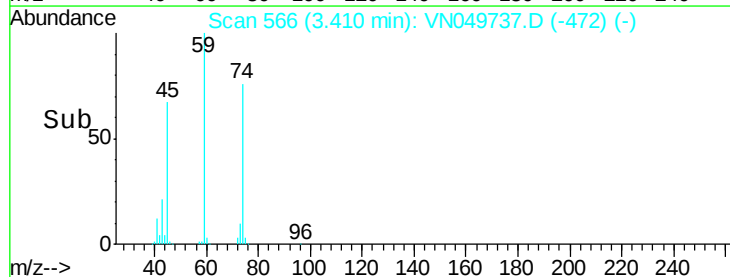
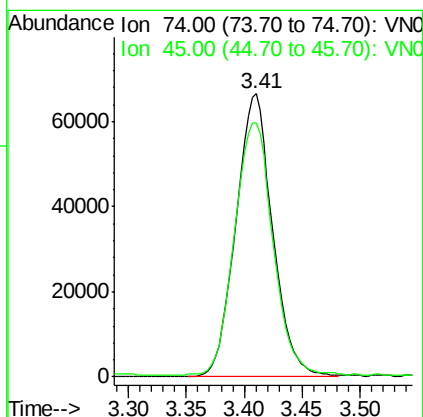
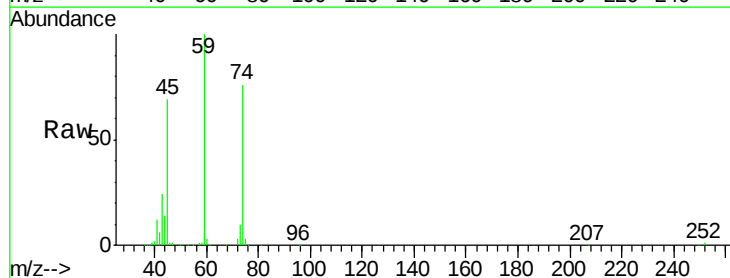
MMDadoda
7/9/2018 6:00:31 PM

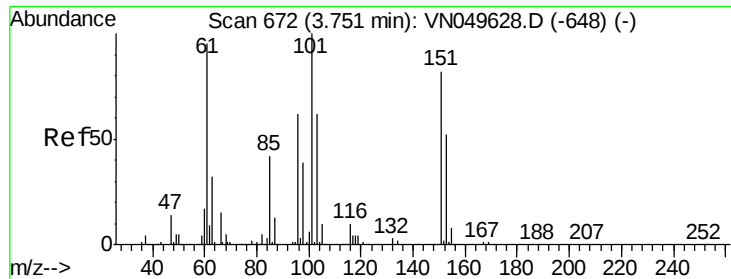


#8

Diethyl Ether
Concen: 19.289 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.975 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

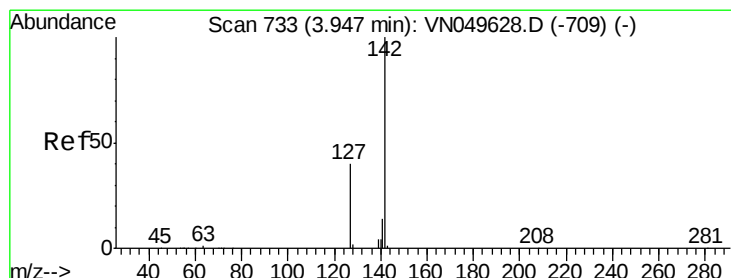
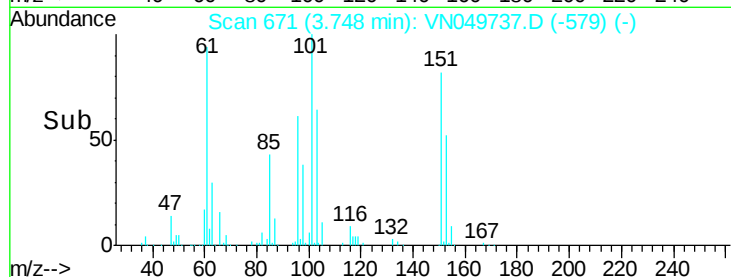
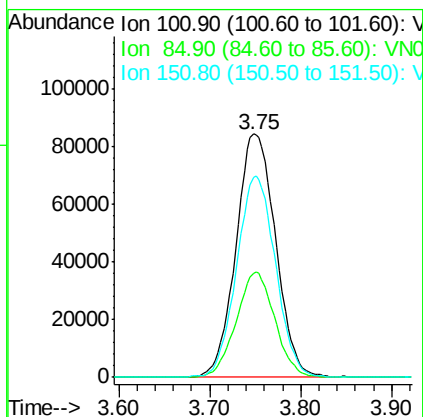
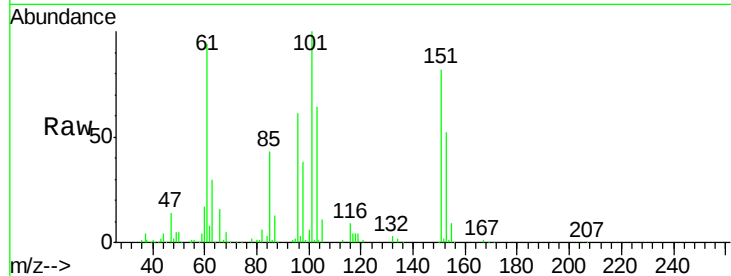
ClientSampleId :

VN0706WBS01

Tot Ion:	101	Resp:	255312
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.4	51.6
151	81.5	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 16.464 ug/l

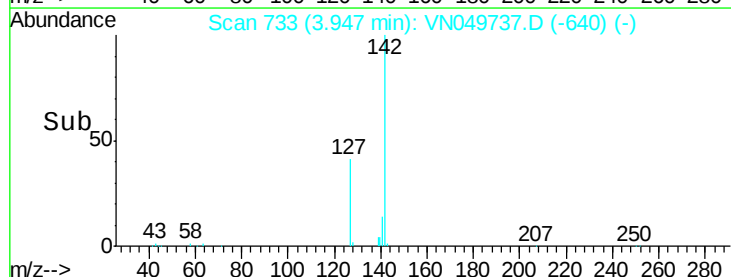
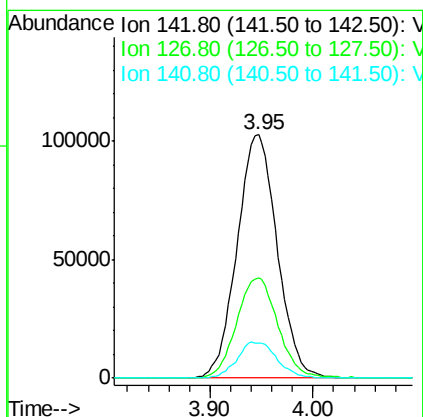
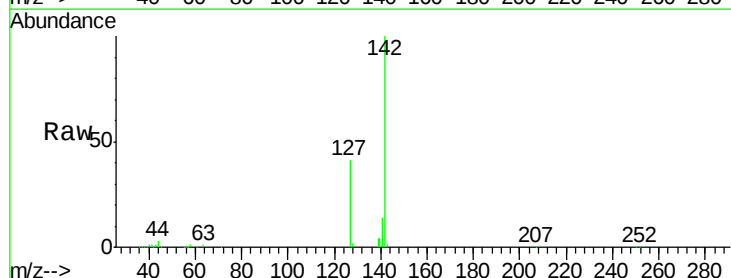
RT: 3.95 min Scan# 733

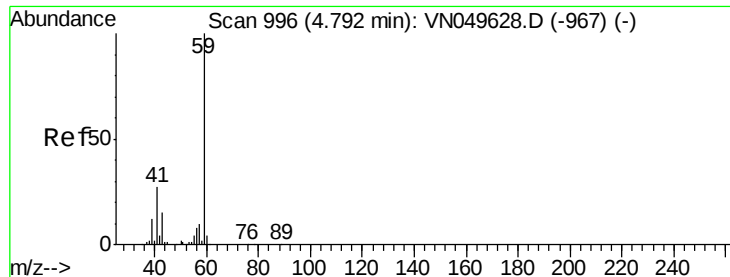
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	142	Resp:	277238
Ion Ratio	Lower	Upper	
142	100		
127	42.5	32.5	48.7
141	14.7	11.1	16.7





#11

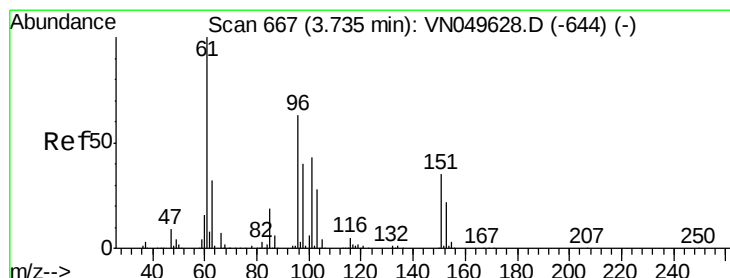
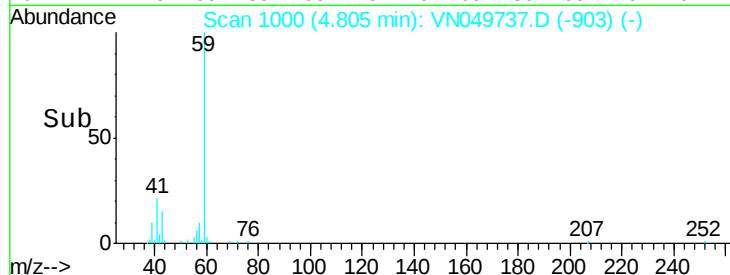
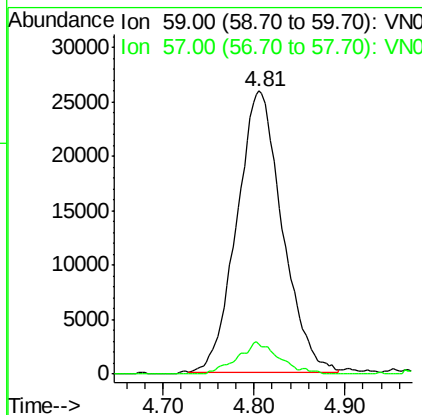
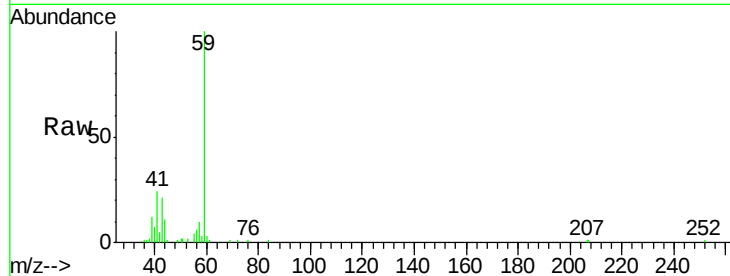
Tert butyl alcohol
 Concen: 108.645 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Tot Ion	59	Resp	89166
Ion Ratio	100	Lower	Upper
57	10.0	8.5	12.7

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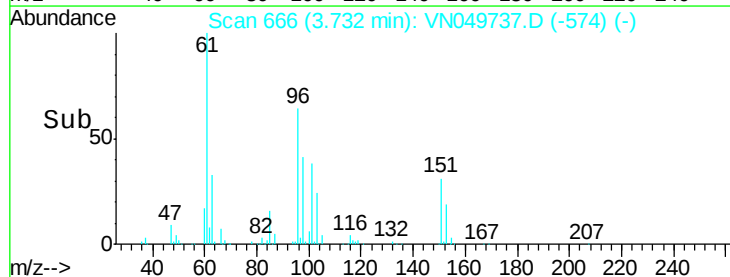
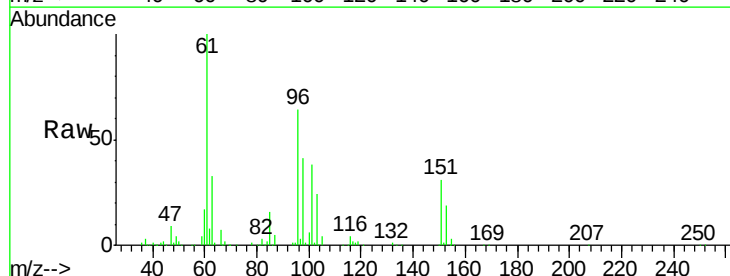
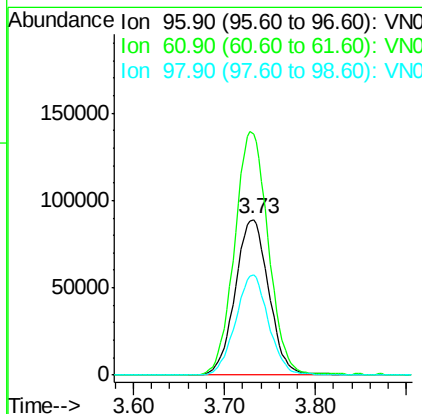
MMDadoda
 7/9/2018 6:00:31 PM

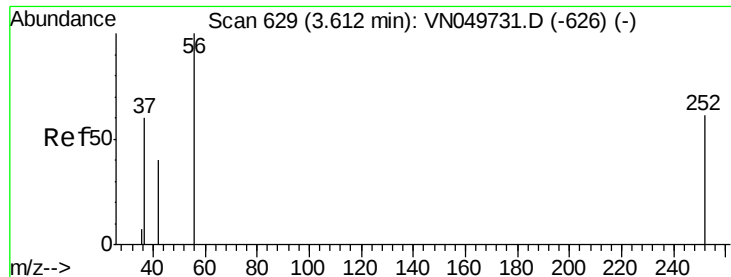


#12

1,1-Dichloroethene
 Concen: 17.981 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion	96	Resp	228719
Ion Ratio	100	Lower	Upper
61	155.4	126.5	189.7
98	64.4	51.0	76.6





#13

Acrolein

Concen: 145.680 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampled :

VN0706WBS01

Tot Ion: 56 Resp: 111679

Ion Ratio Lower Upper

56 100

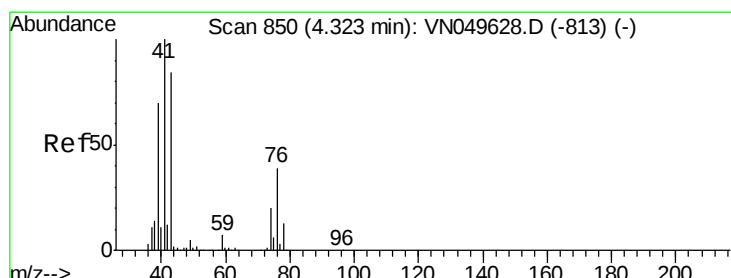
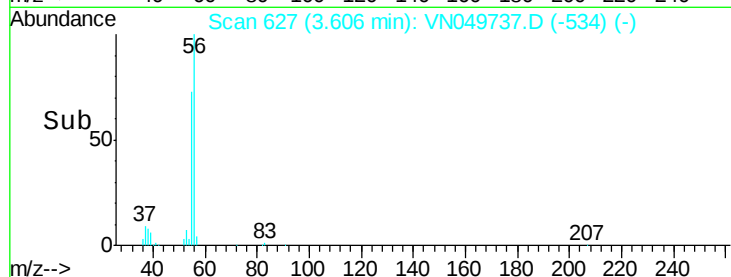
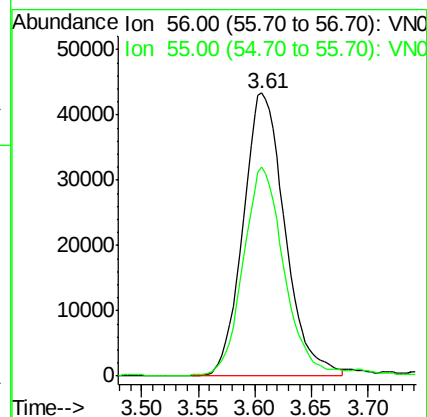
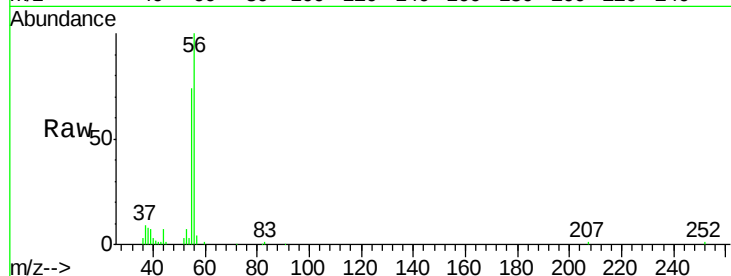
55 72.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.287 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

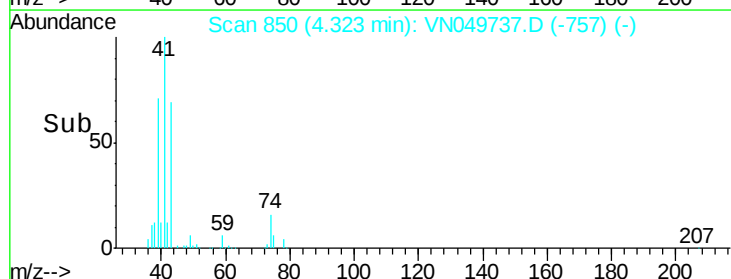
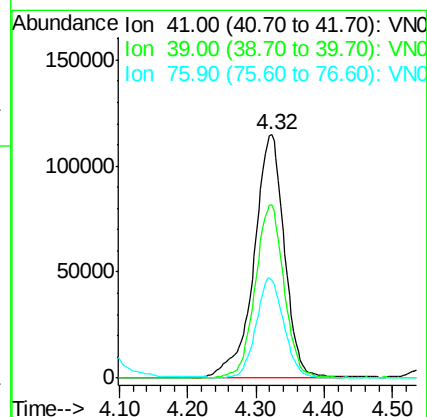
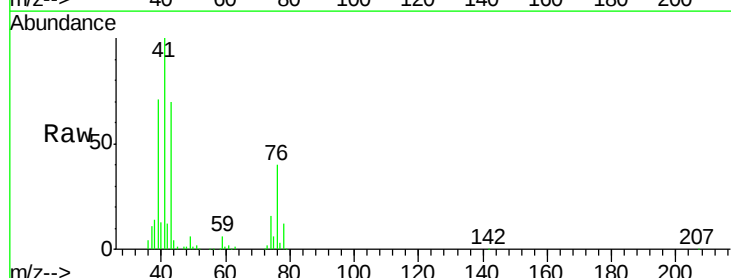
Tgt Ion: 41 Resp: 354458

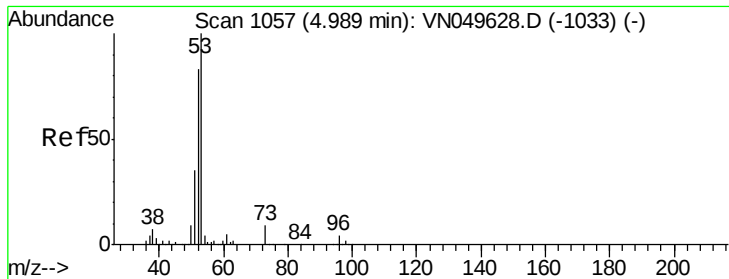
Ion Ratio Lower Upper

41 100

39 67.3 53.2 79.8

76 36.8 29.0 43.6





#15

Acrylonitrile

Concen: 102.686 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

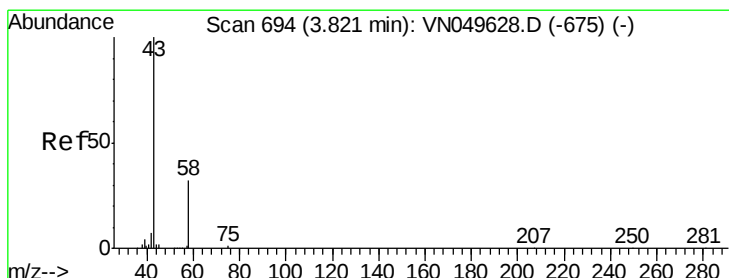
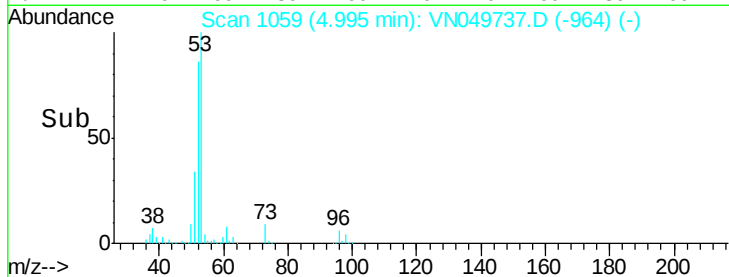
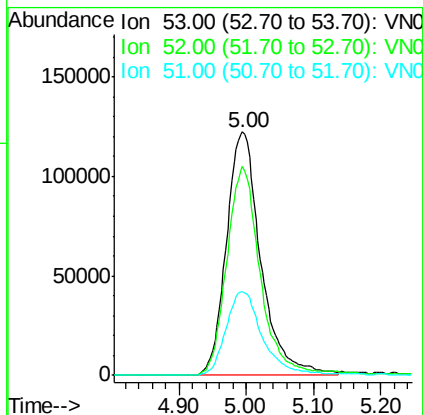
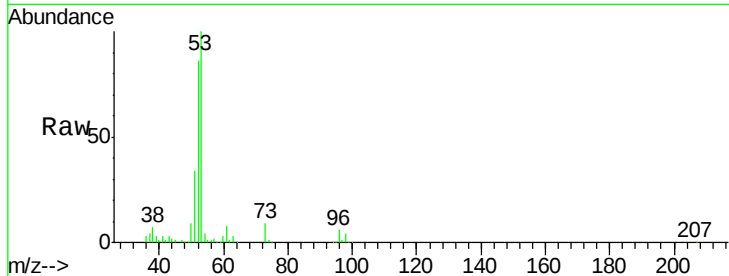
ClientSampleId :

VN0706WBS01

Tot Ion:	53	Resp:	435268
Ion	Ratio	Lower	Upper
53	100		
52	82.7	64.8	97.2
51	36.6	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 116.917 ug/l

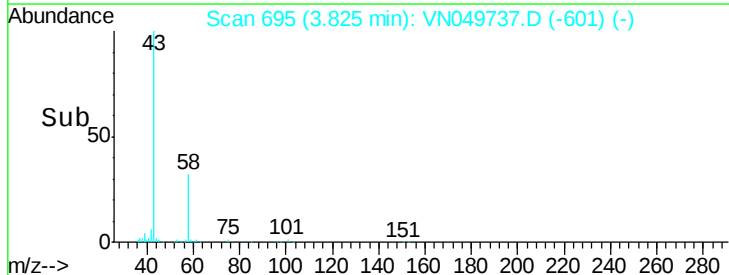
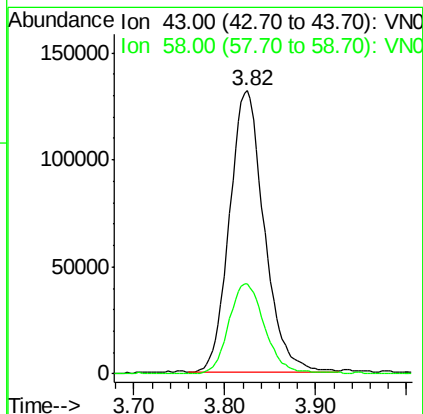
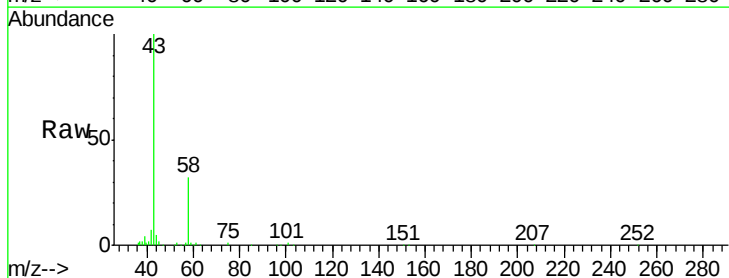
RT: 3.82 min Scan# 695

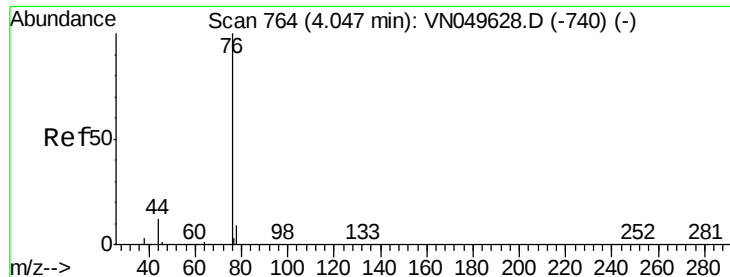
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	43	Resp:	348031
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.9	38.9





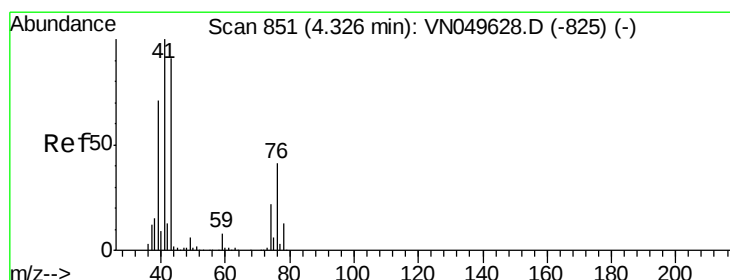
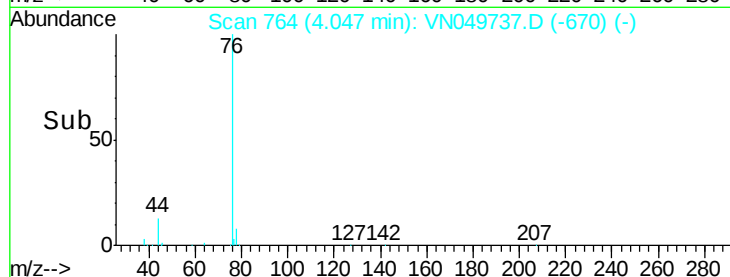
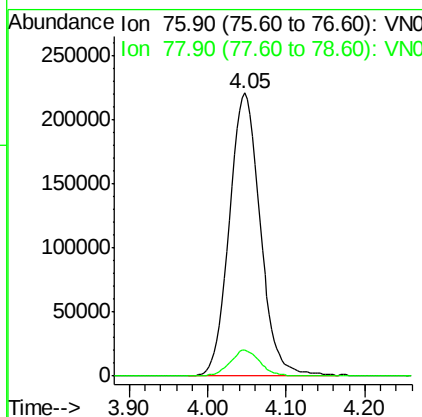
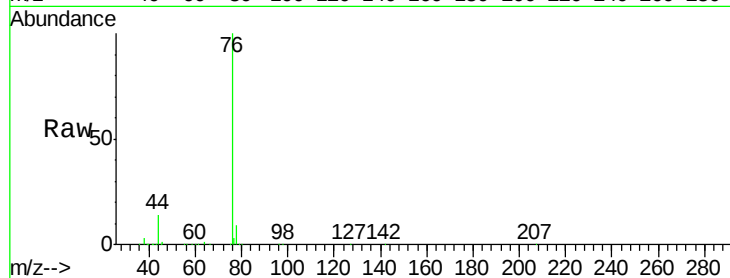
#17
Carbon Disulfide
Concen: 17.085 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampled :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

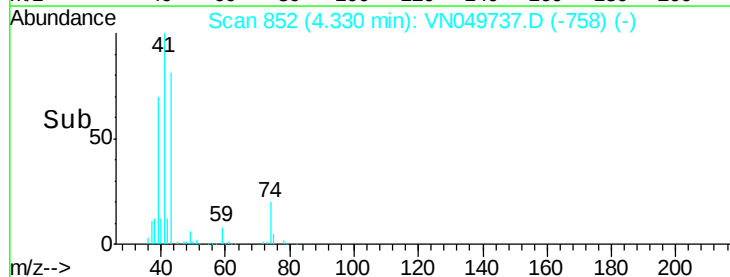
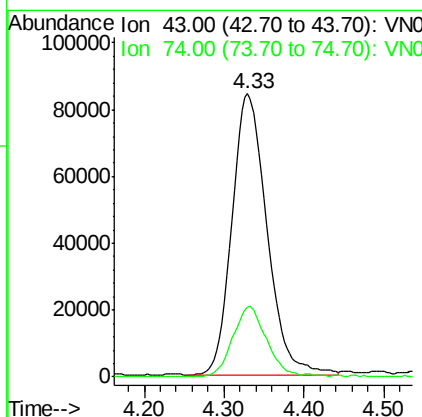
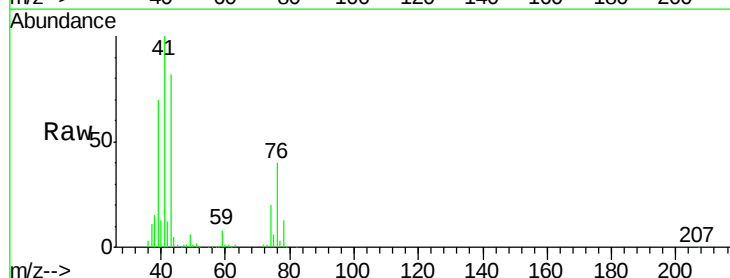
Manual Integrations
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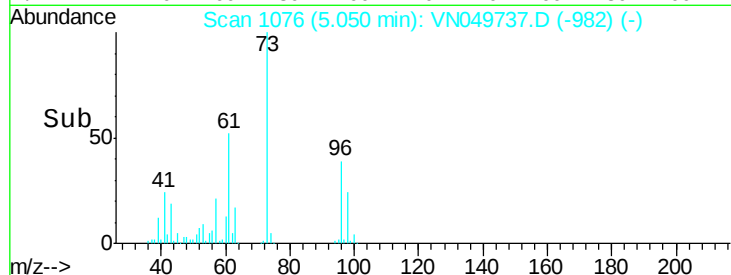
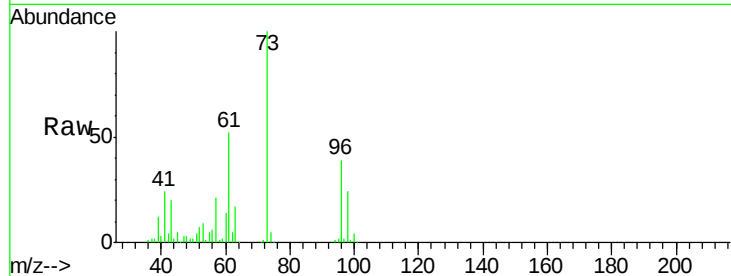
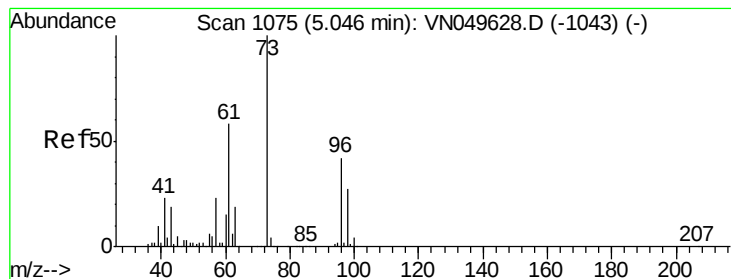
MMDadoda
7/9/2018 6:00:31 PM



#18
Methyl Acetate
Concen: 16.025 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.8	29.8





#19

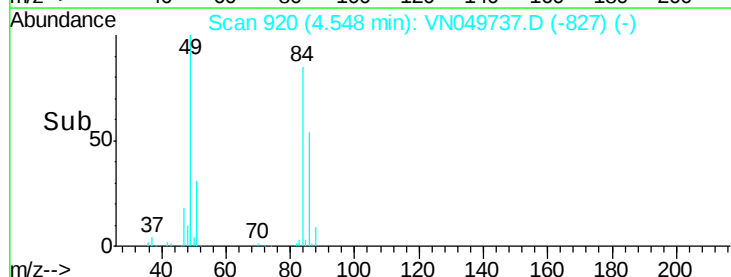
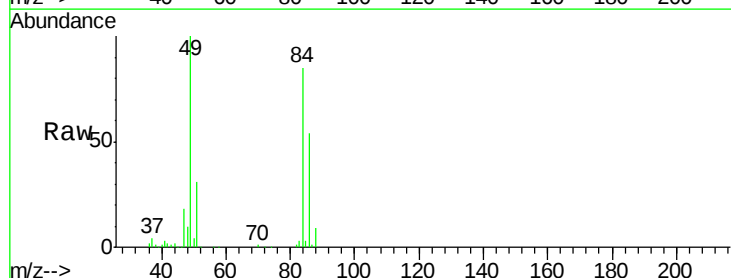
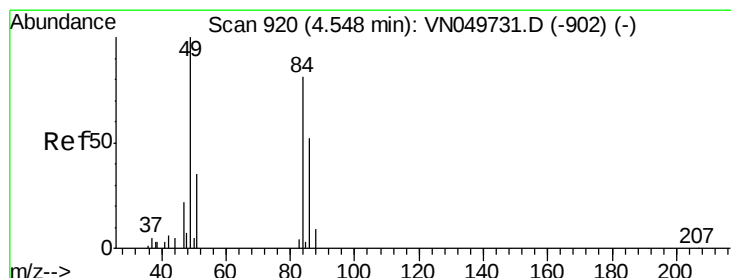
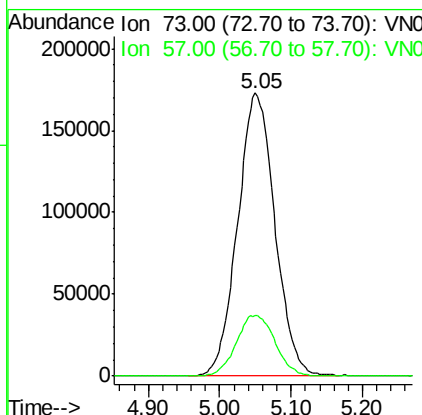
Methyl tert-butyl Ether
 Concen: 19.164 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tot Ion	73	Resp	628407
Ion Ratio	100	Lower	Upper
57	21.2	18.1	27.1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Manual Integrations
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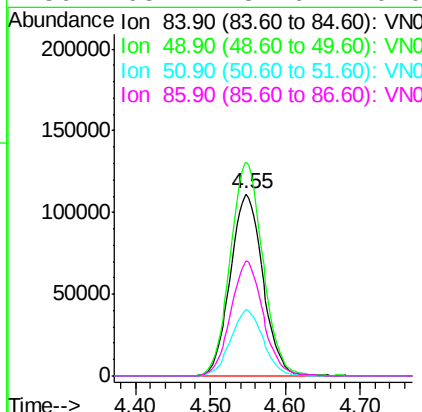
MMDadoda
 7/9/2018 6:00:31 PM

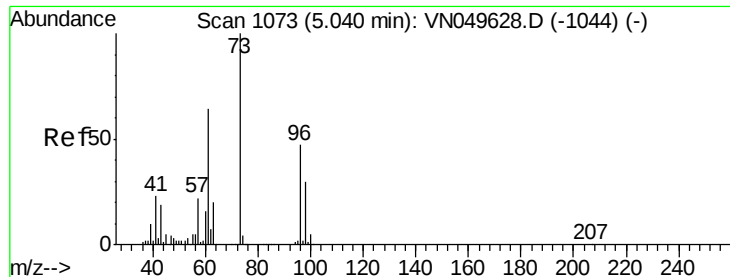


#20

Methylene Chloride
 Concen: 22.884 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion	84	Resp	337020
Ion Ratio	100	Lower	Upper
49	117.1	95.4	143.2
51	36.7	28.4	42.6
86	63.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 18.120 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

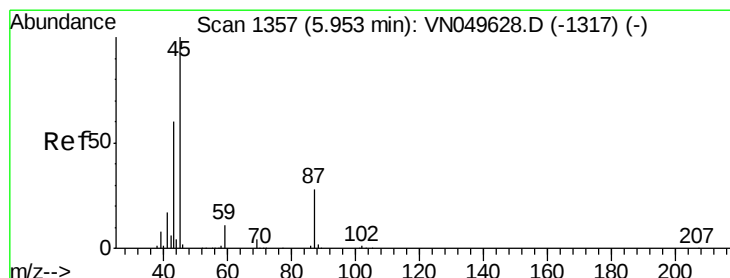
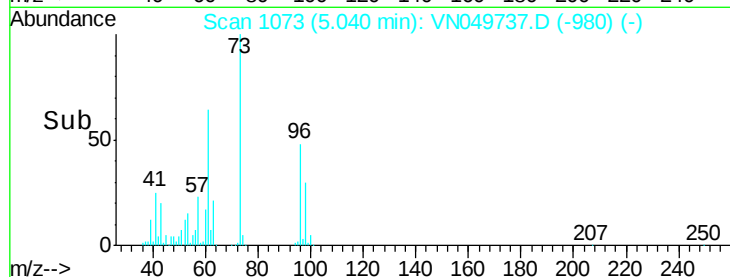
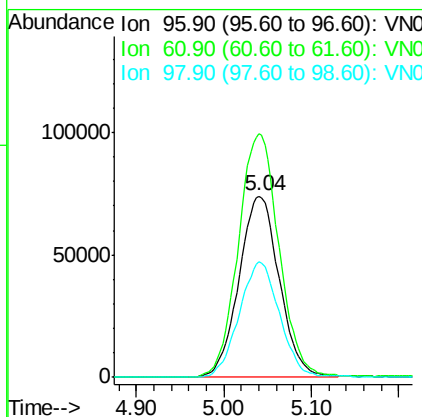
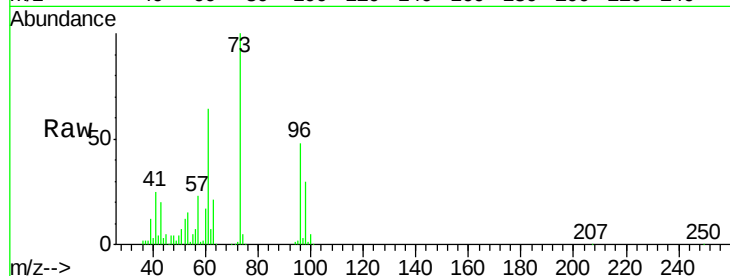
ClientSampled :

VN0706WBS01

Tot Ion:	96	Resp:	237210
Ion	Ratio	Lower	Upper
96	100		
61	134.4	109.0	163.6
98	63.9	51.1	76.7

Manual Integrations
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7/9/2018 6:00:31 PM



#22

Diisopropyl ether

Concen: 19.101 ug/l

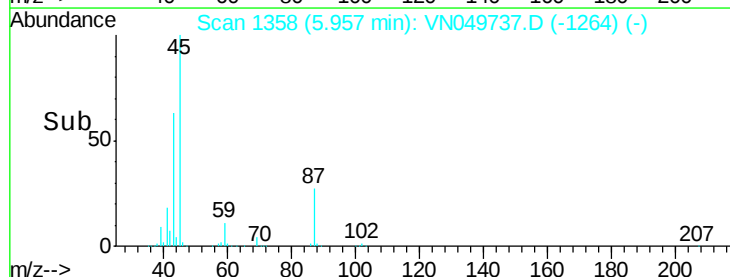
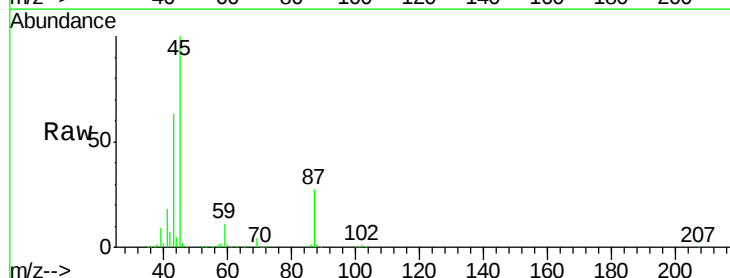
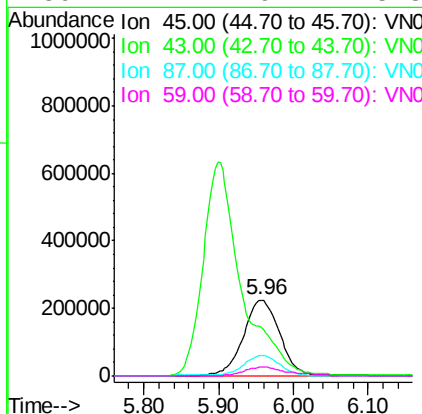
RT: 5.96 min Scan# 1358

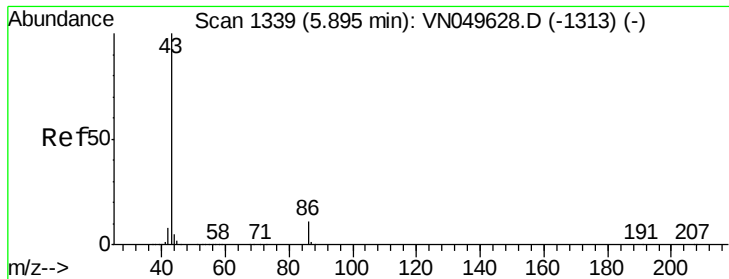
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	45	Resp:	755086
Ion	Ratio	Lower	Upper
45	100		
43	61.3	48.1	72.1
87	26.7	22.6	34.0
59	11.1	9.2	13.8





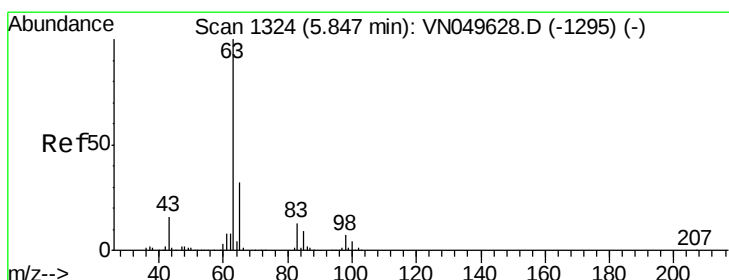
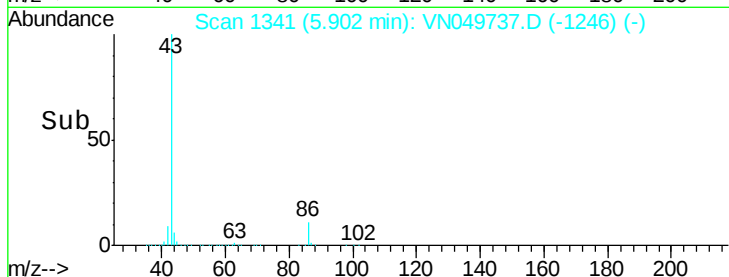
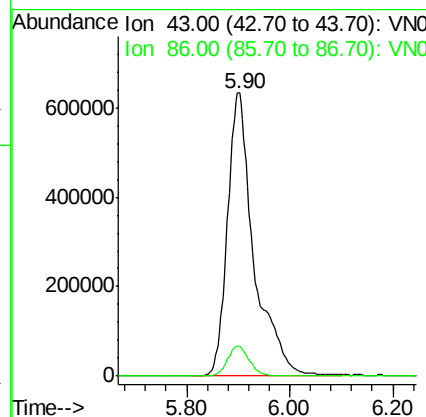
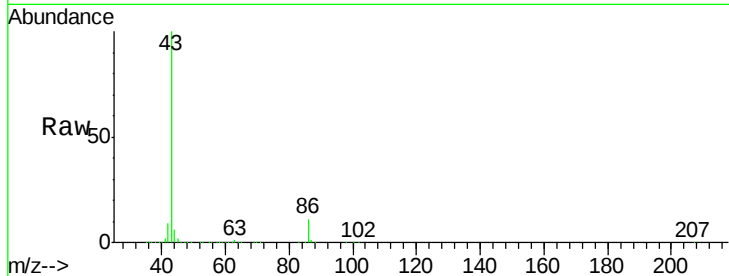
#23
 Vinyl Acetate
 Concen: 88.138 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Tot Ion: 43 Resp: 2259432
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6

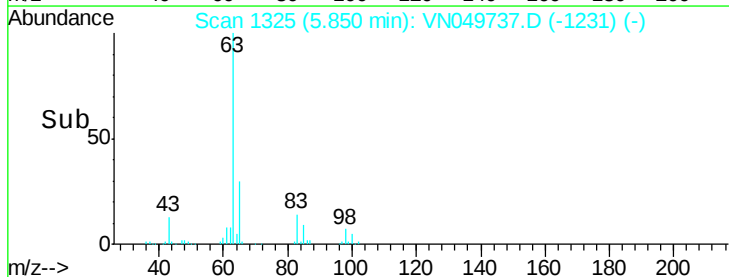
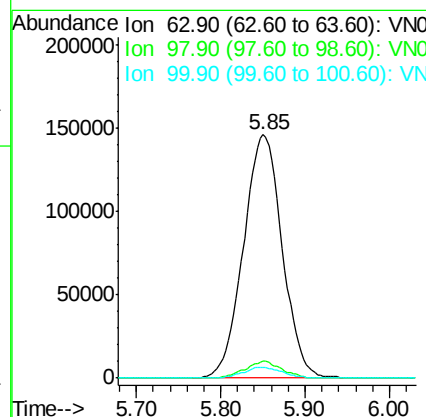
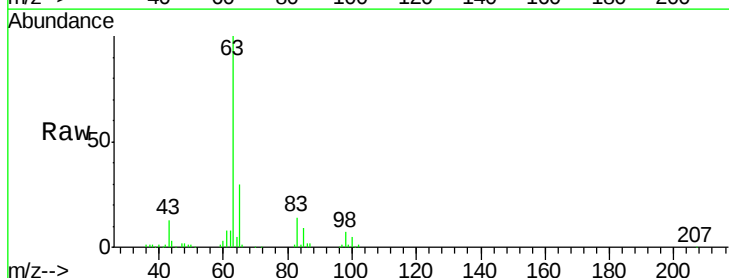
Manual Integrations
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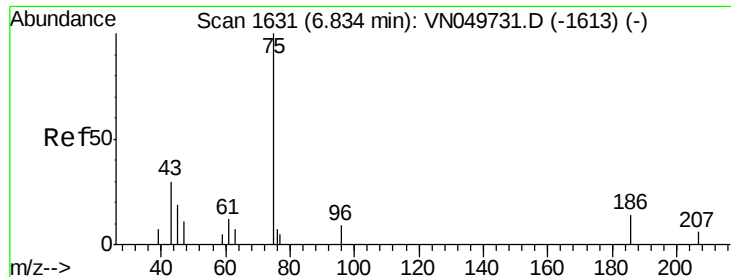
MMDadoda
 7/9/2018 6:00:31 PM



#24
 1,1-Dichloroethane
 Concen: 18.725 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion: 63 Resp: 466326
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 105.149 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion: 43 Resp: 499245

Ion Ratio Lower Upper

43 100

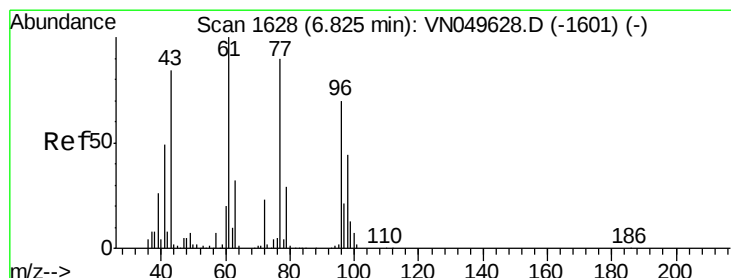
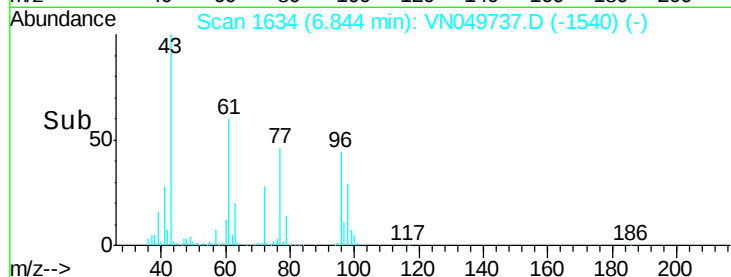
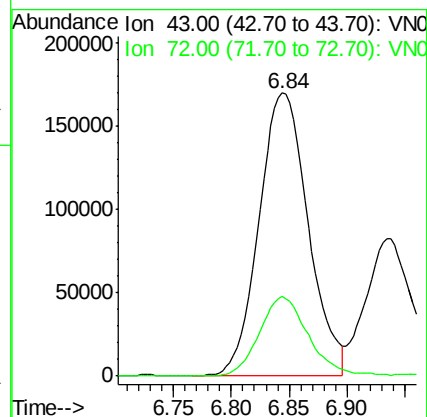
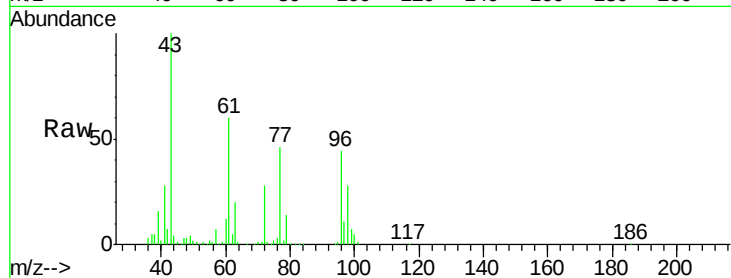
72 28.1 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

7/9/2018 6:00:31 PM



#26

2,2-Dichloropropane

Concen: 17.780 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049737.D

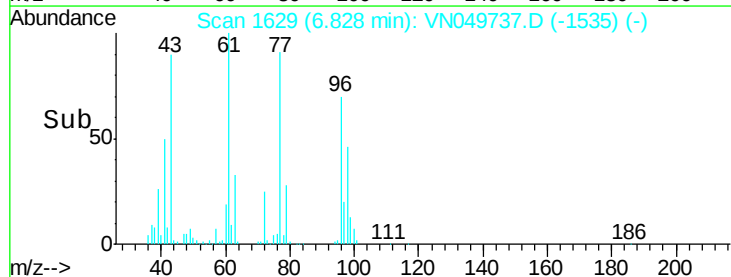
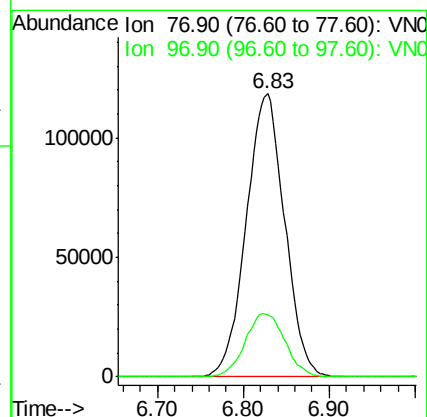
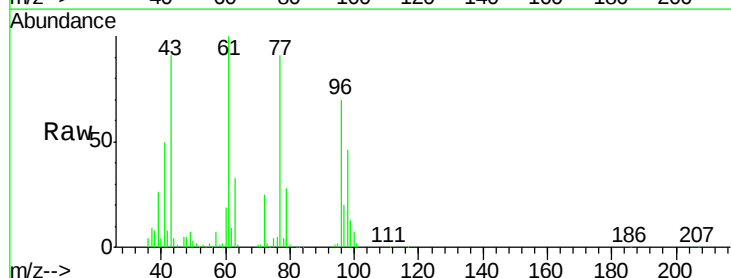
Acq: 6 Jul 2018 14:28

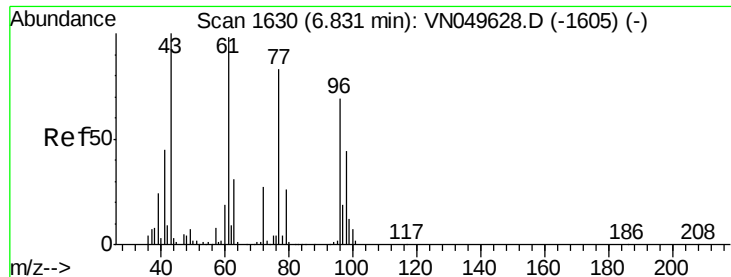
Tgt Ion: 77 Resp: 367755

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





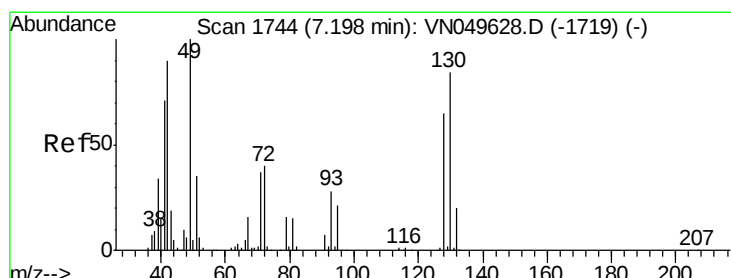
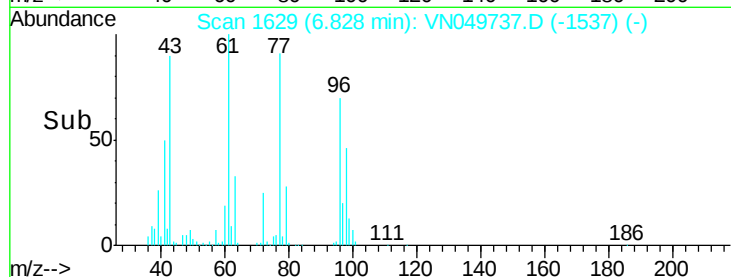
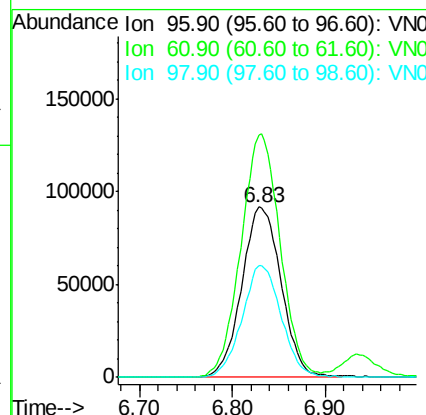
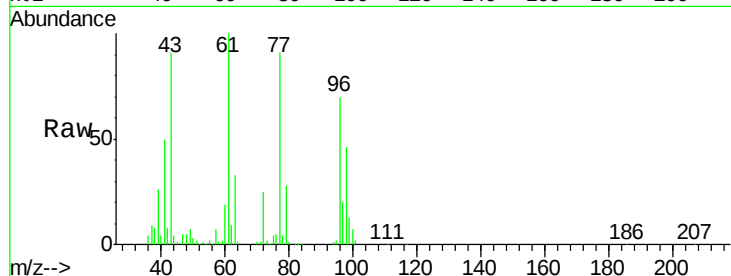
#27
 cis-1,2-Dichloroethene
 Concen: 18.552 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	271302		
61	142.1	0.0	289.0	
98	64.9	0.0	130.2	

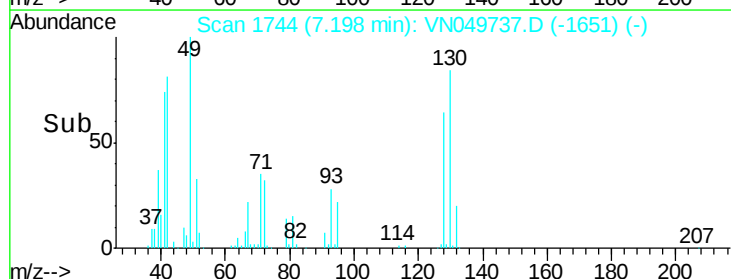
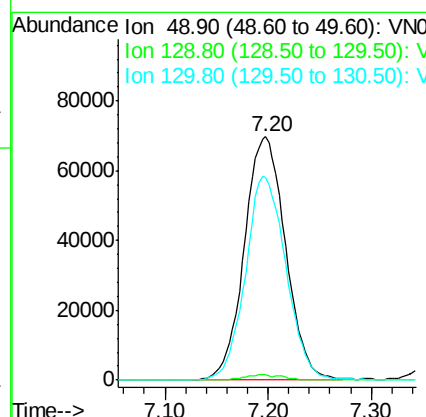
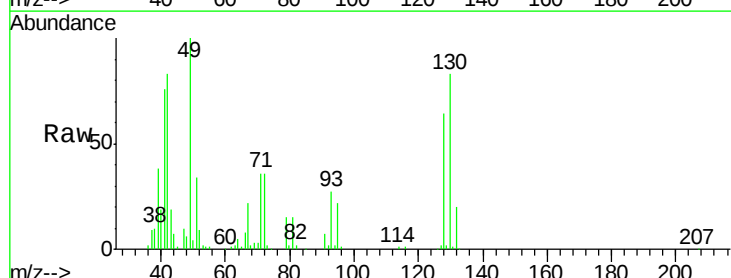
Manual Integrations
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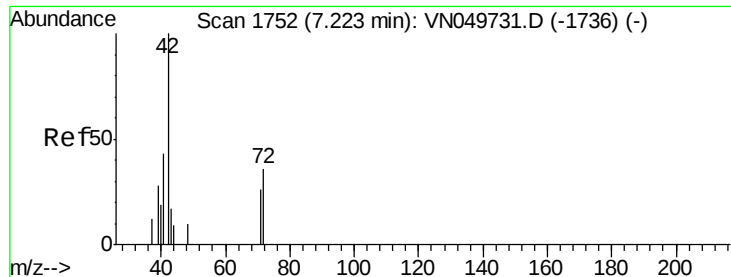
MMDadoda
 7/9/2018 6:00:31 PM



#28
 Bromochloromethane
 Concen: 18.310 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	193536		
129	1.4	0.0	4.2	
130	82.2	65.5	98.3	





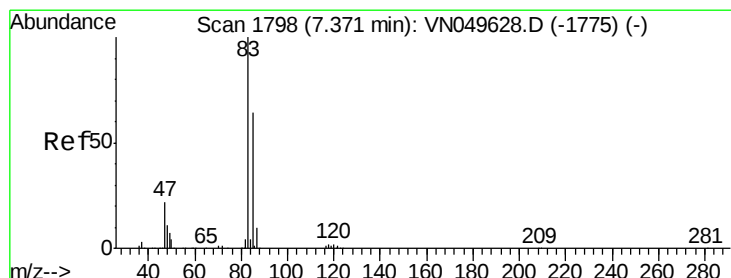
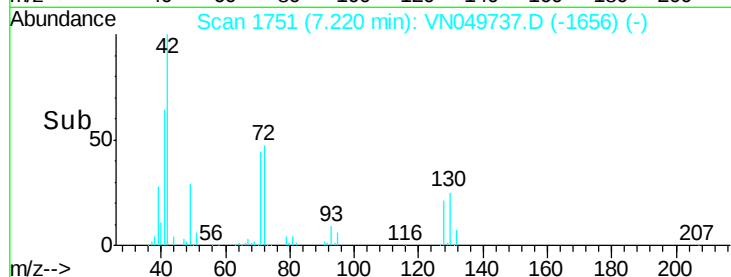
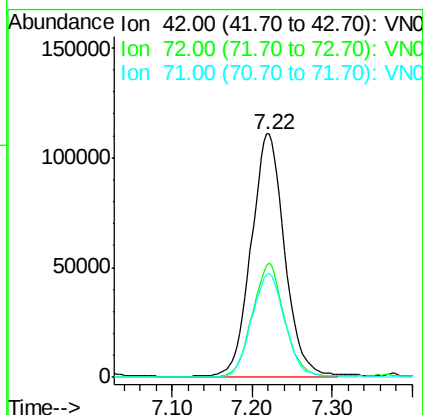
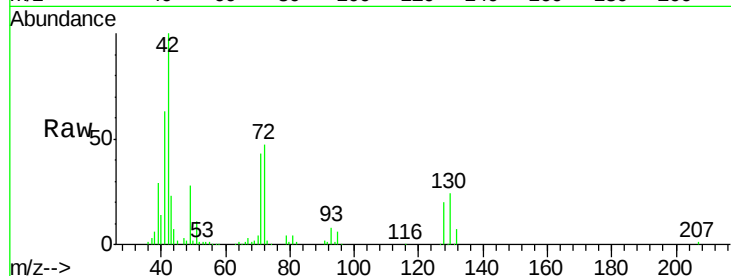
#29
Tetrahydrofuran
Concen: 104.493 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampled :
VN0706WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	45.1	35.6	53.4	
71	42.9	34.0	51.0	

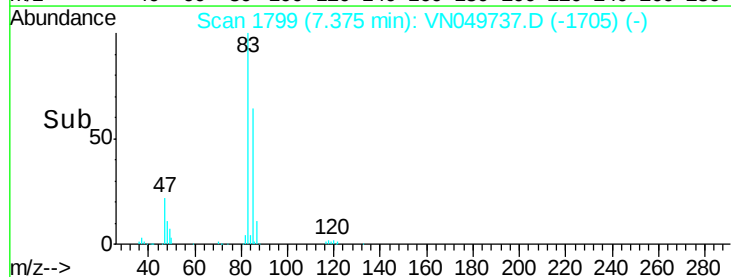
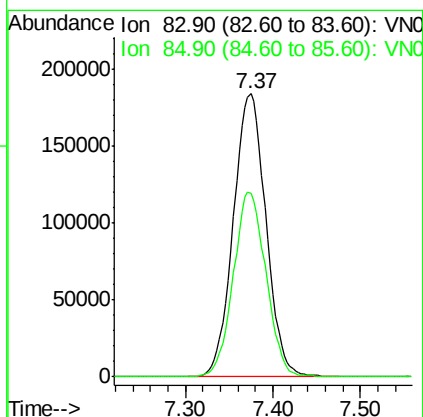
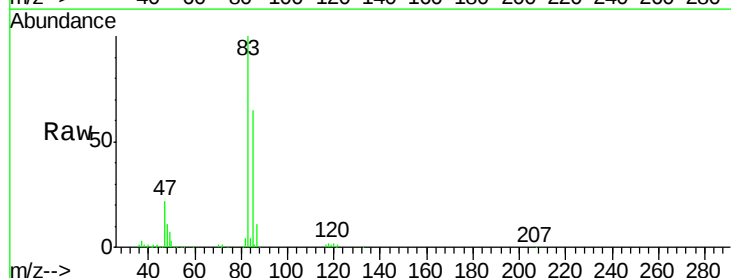
Manual Integrations
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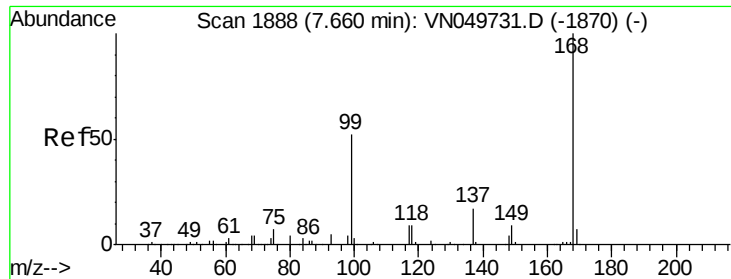
MMDadoda
7/9/2018 6:00:31 PM



#30
Chloroform
Concen: 18.833 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.6	51.4	77.2	





#31

Cyclohexane

Concen: 17.492 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

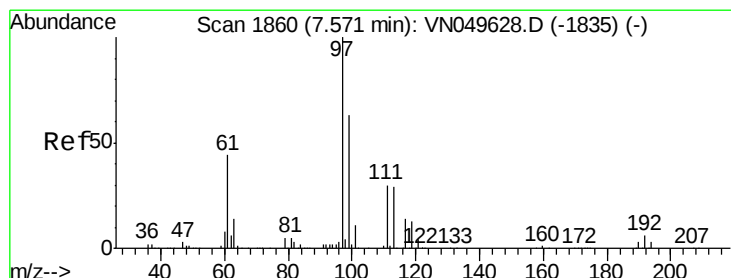
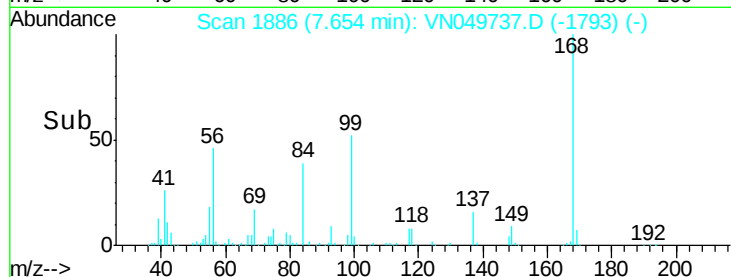
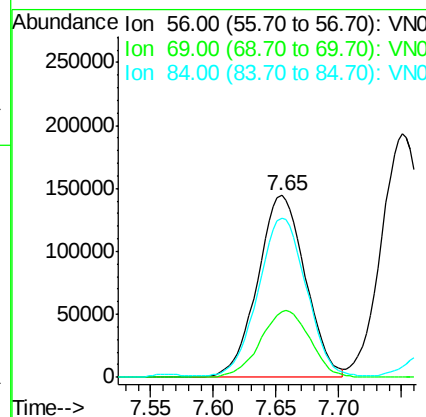
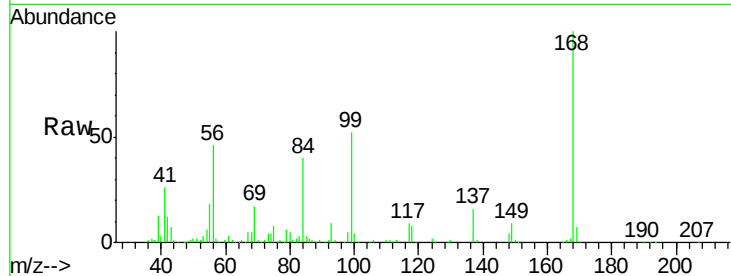
ClientSampled :

VN0706WBS01

Tot Ion:	56	Resp:	383711
Ion Ratio	Lower	Upper	
56	100		
69	36.1	26.6	40.0
84	86.3	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 18.852 ug/l

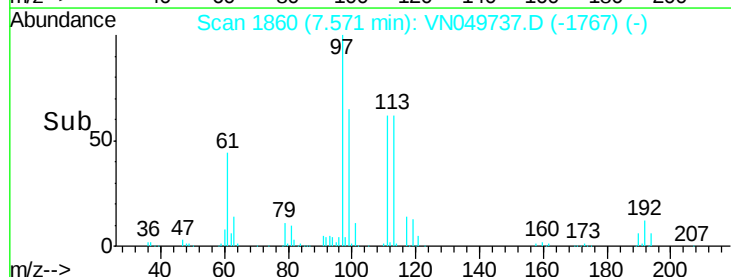
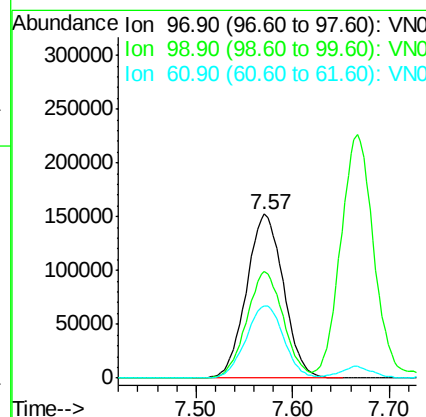
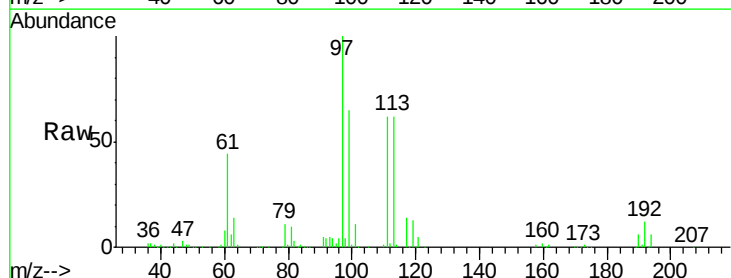
RT: 7.57 min Scan# 1860

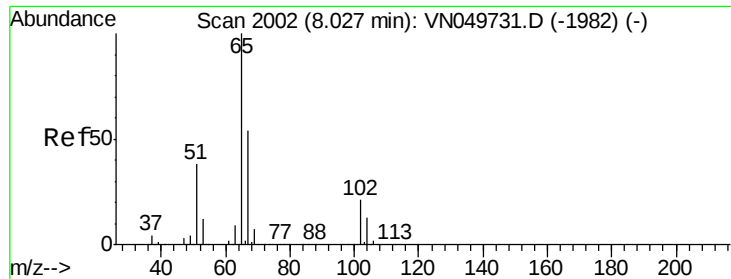
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	97	Resp:	405195
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.0	76.4
61	44.8	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 45.128 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion: 65 Resp: 645431

Ion Ratio Lower Upper

65 100

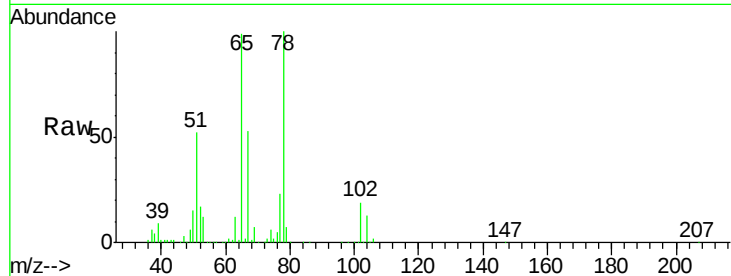
67 53.3 0.0 107.2

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Abundance Ion 64.90 (64.60 to 65.60): VN049737.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049737.D (-1982) (-)

8.03

300000

250000

200000

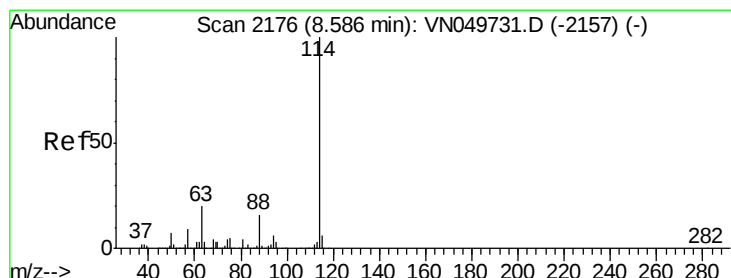
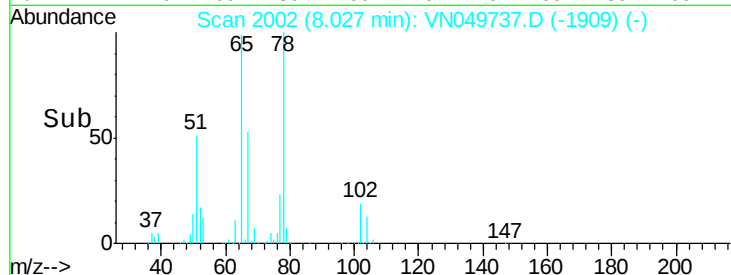
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

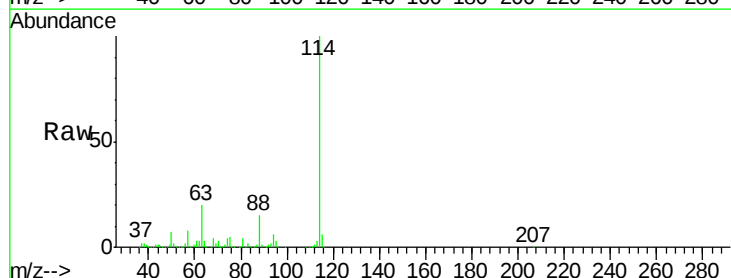
Tgt Ion: 114 Resp: 1673253

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049737.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049737.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049737.D (-2157) (-)

8.59

1000000

800000

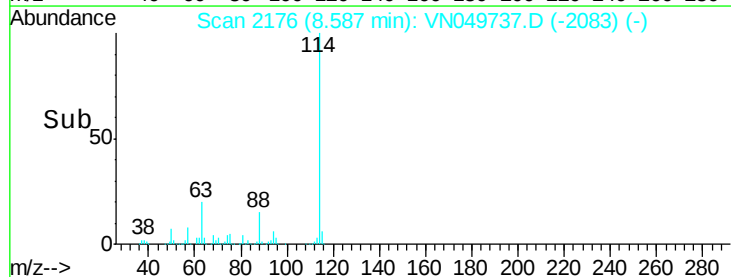
600000

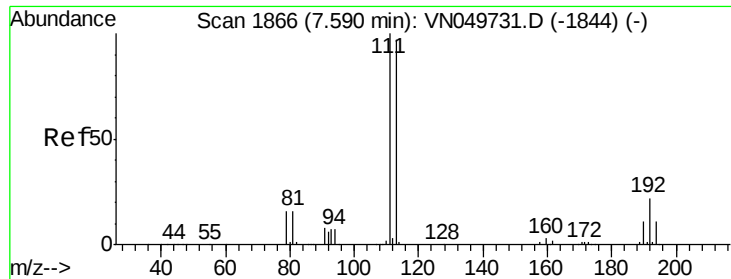
400000

200000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 43.799 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

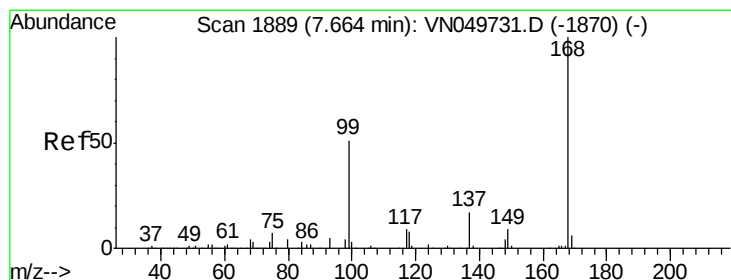
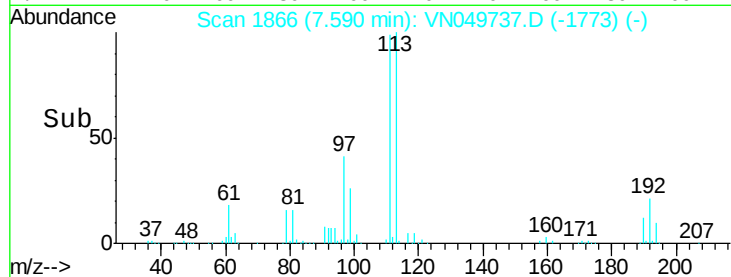
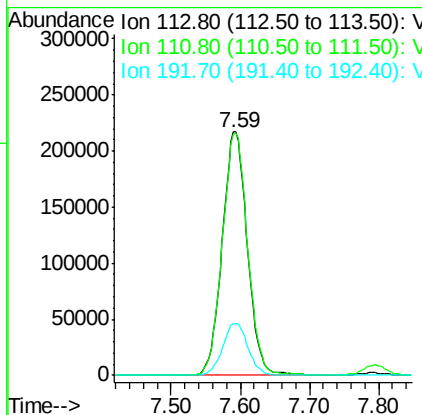
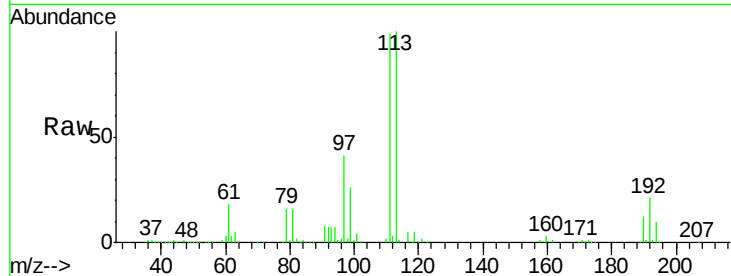
ClientSampleId :

VN0706WBS01

Tot Ion:	113	Resp:	547896
Ion Ratio	Lower	Upper	
113	100		
111	99.8	81.8	122.8
192	21.5	17.8	26.6

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#36

1,1-Dichloropropene

Concen: 18.135 ug/l

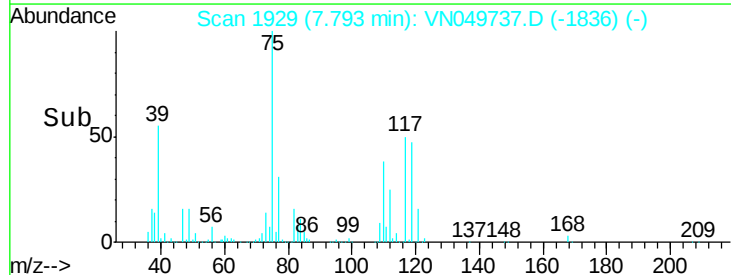
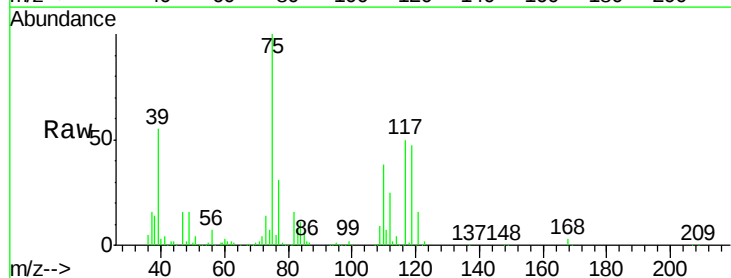
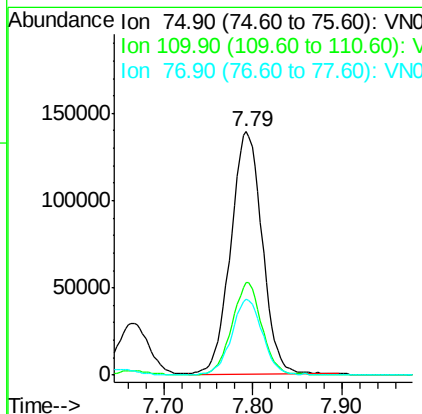
RT: 7.79 min Scan# 1929

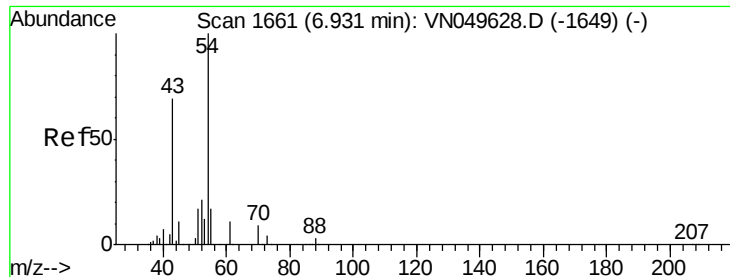
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	75	Resp:	341388
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.1	54.4
77	30.1	24.9	37.3





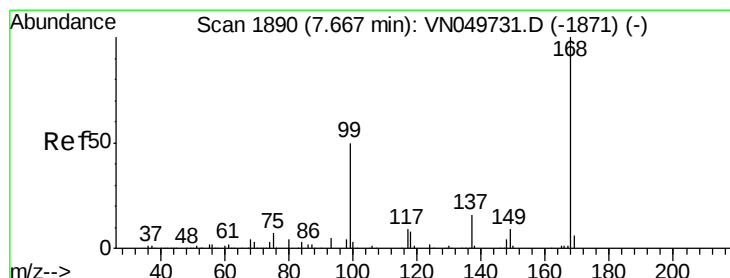
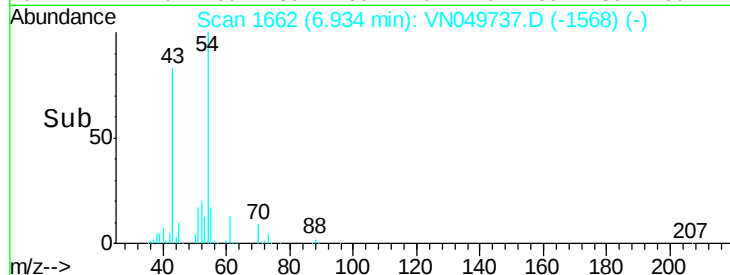
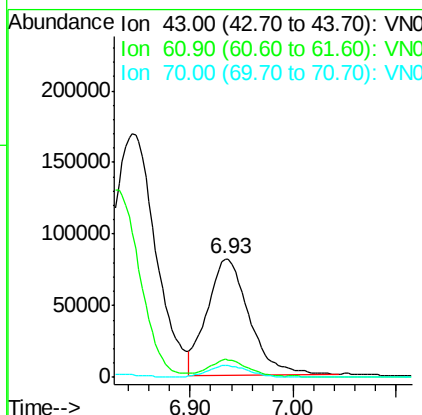
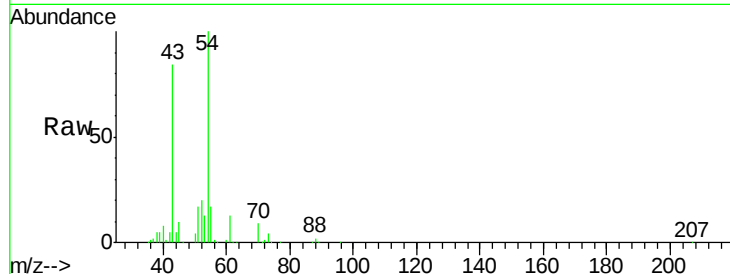
#37
Ethyl Acetate
Concen: 20.961 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.7	17.5
70	10.3	8.4	12.6

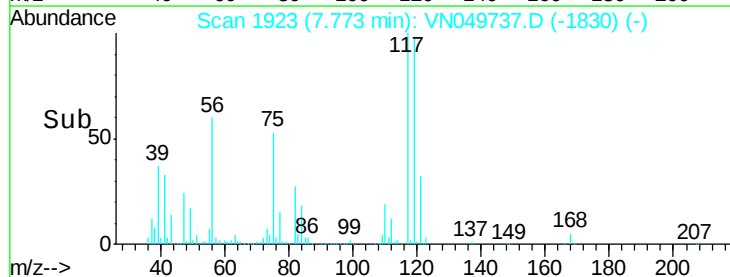
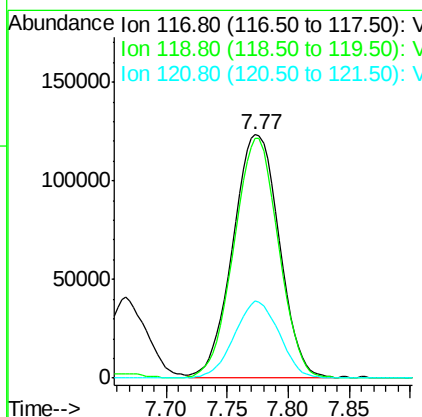
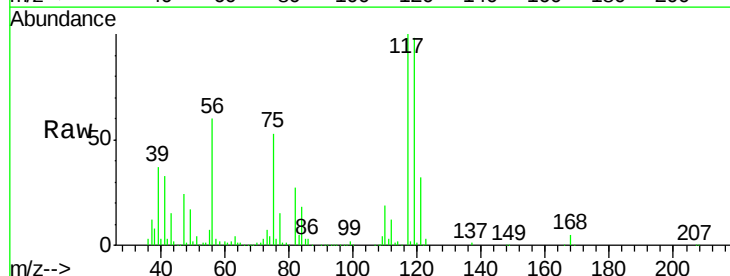
Manual Integrations
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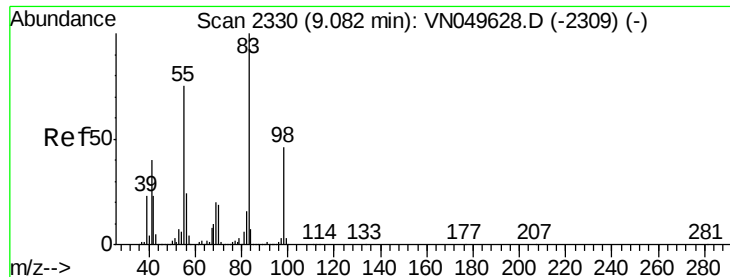
MMDadoda
7/9/2018 6:00:31 PM



#38
Carbon Tetrachloride
Concen: 17.668 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.2	115.8
121	31.7	25.0	37.6





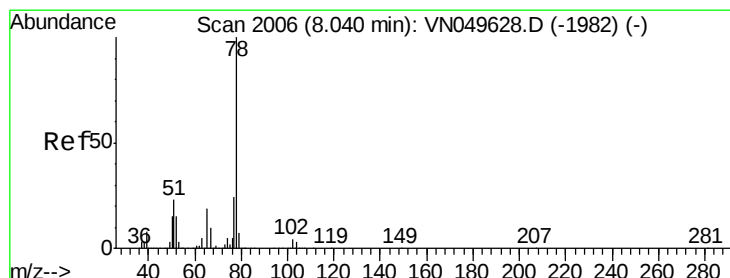
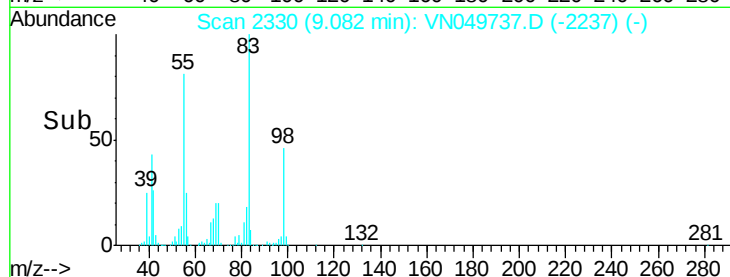
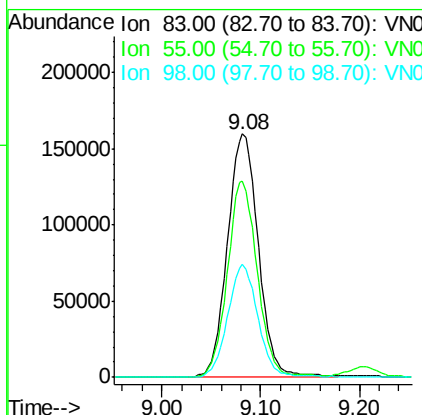
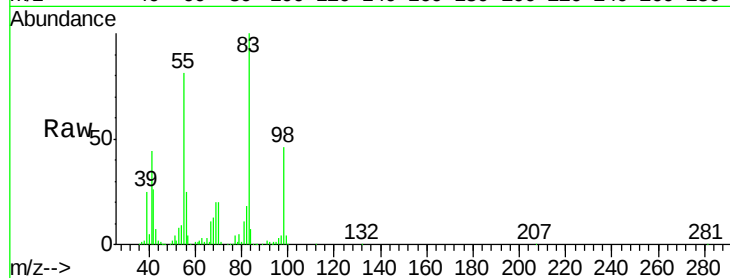
#39
Methvlcvclohexane
Concen: 16.995 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	59.7	89.5
98	46.2	36.5	54.7

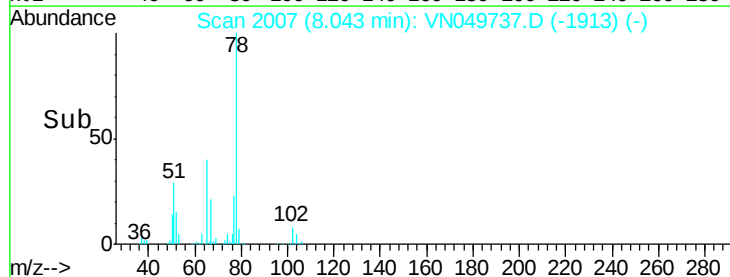
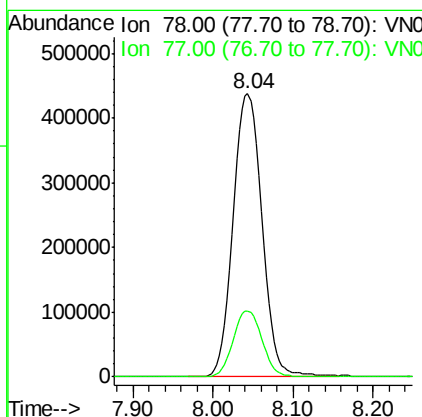
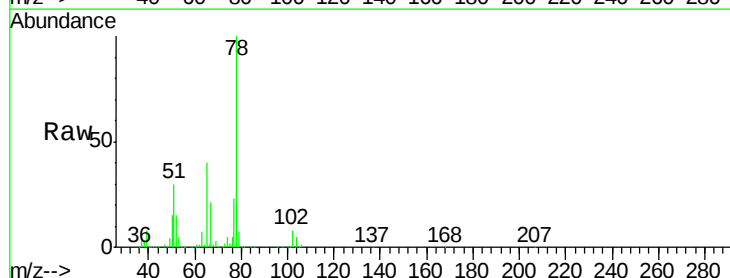
Manual Integrations
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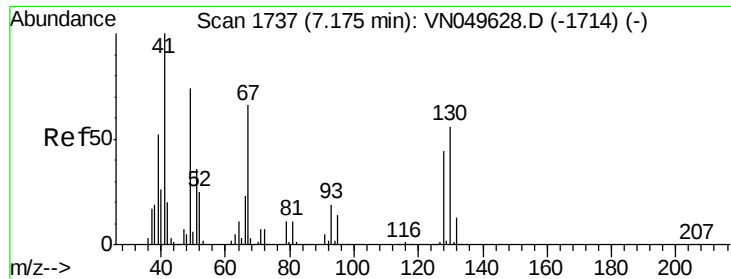
MMDadoda
7/9/2018 6:00:31 PM



#40
Benzene
Concen: 18.602 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





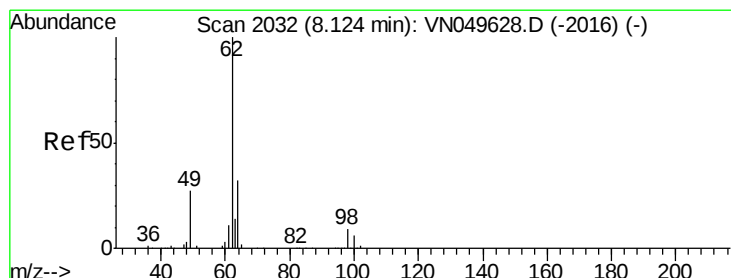
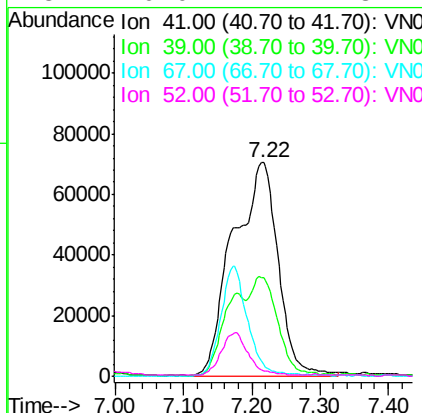
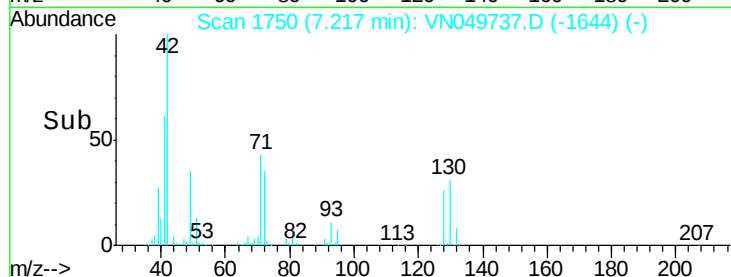
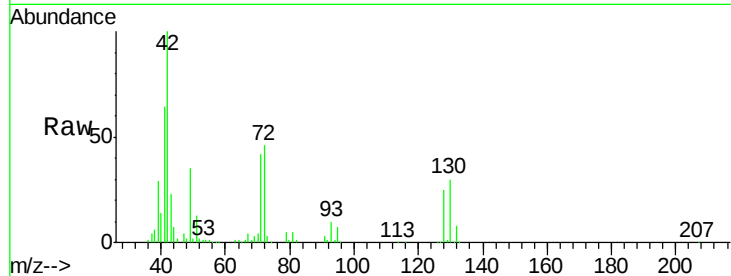
#41
Methacrylonitrile
Concen: 52.022 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.04 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.2#
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#

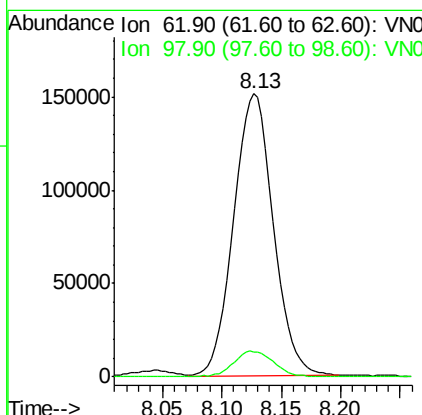
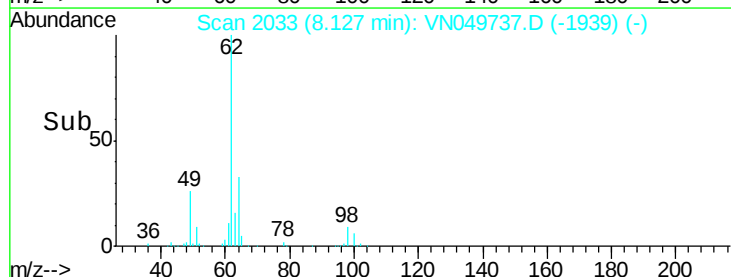
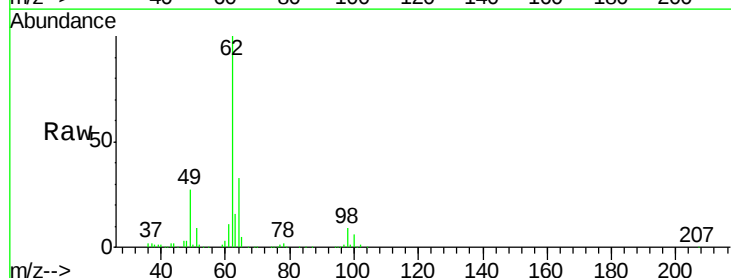
Manual Integrations
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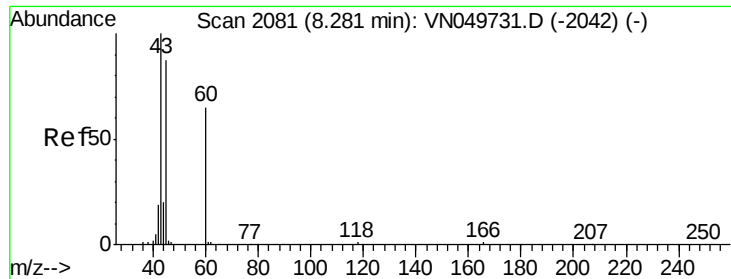
MMDadoda
7/9/2018 6:00:31 PM



#42
1,2-Dichloroethane
Concen: 18.968 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.766 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

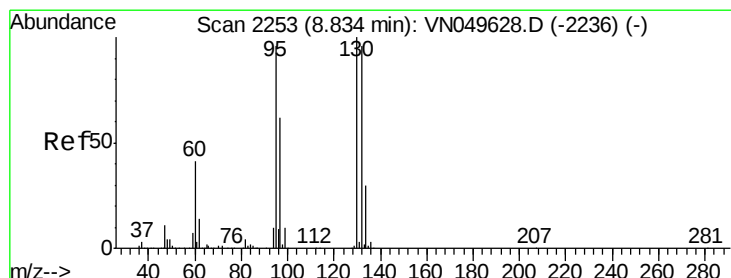
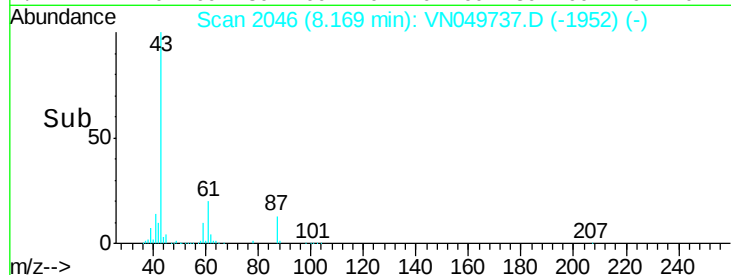
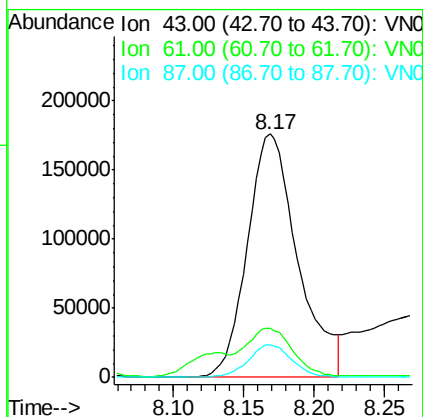
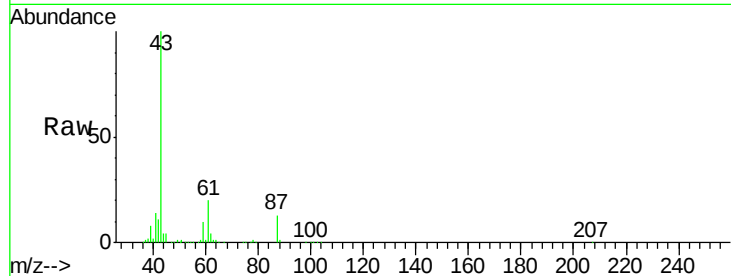
ClientSampleId :

VN0706WBS01

Tot Ion:	43	Resp:	438563
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.8	10.0	15.0

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#44

Trichloroethene

Concen: 17.575 ug/l

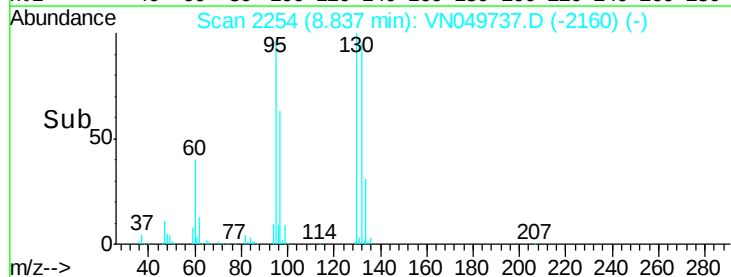
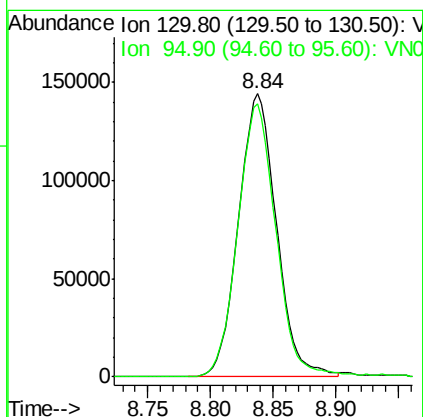
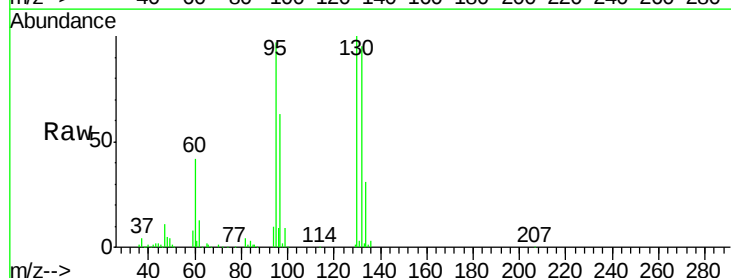
RT: 8.84 min Scan# 2254

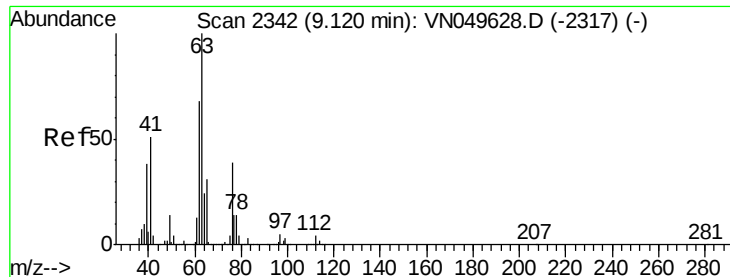
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	130	Resp:	304668
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	192.8





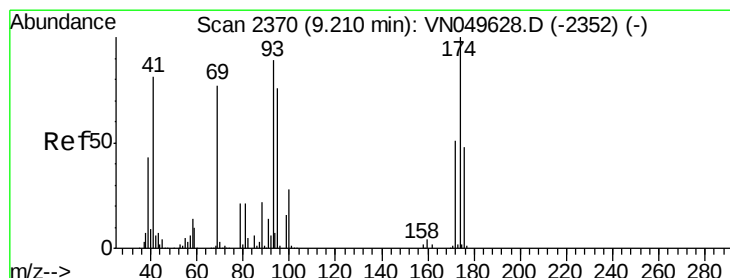
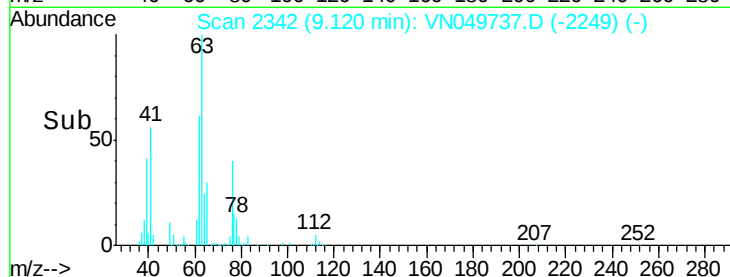
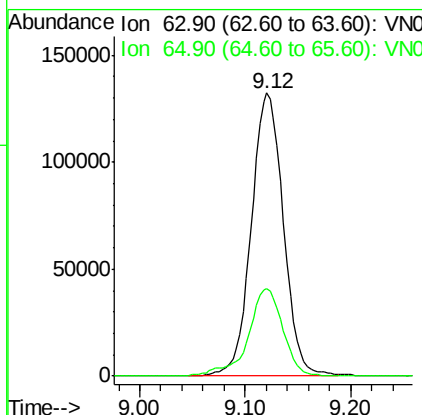
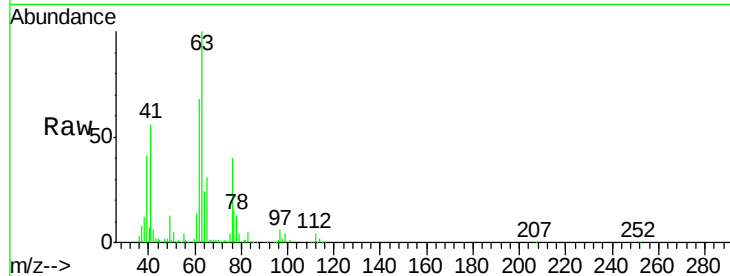
#45
 1,2-Dichloropropane
 Concen: 18.903 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Tot Ion: 63 Resp: 280733
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

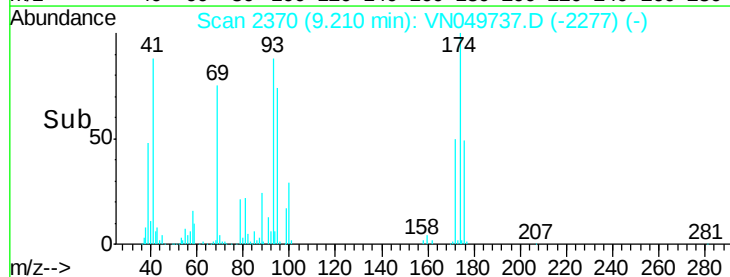
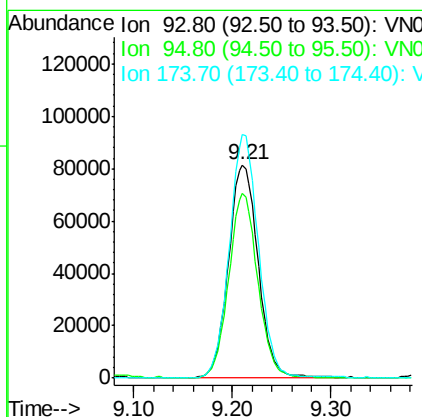
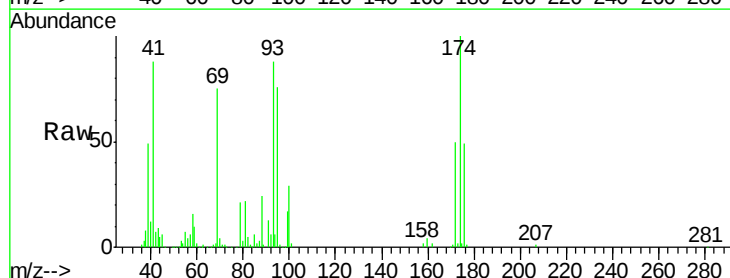
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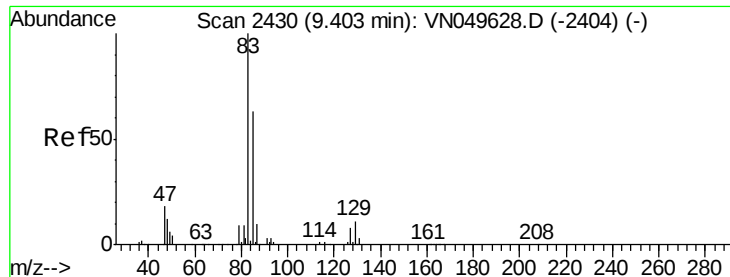
MMDadoda
 7/9/2018 6:00:31 PM



#46
 Dibromomethane
 Concen: 19.073 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion: 93 Resp: 171361
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.9 101.9
 174 112.0 89.4 134.0





#47

Bromodichloromethane

Concen: 18.809 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

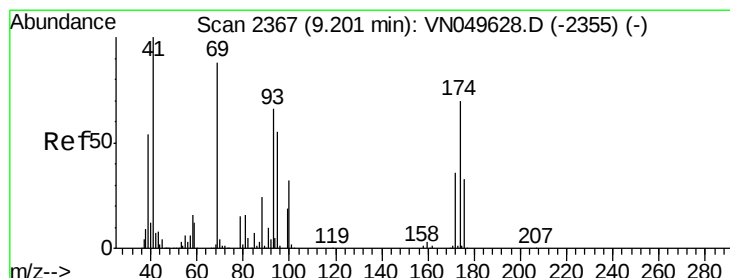
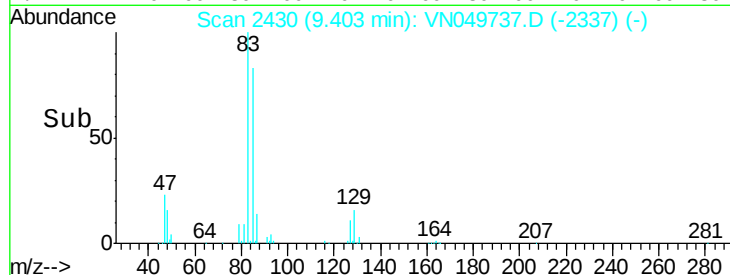
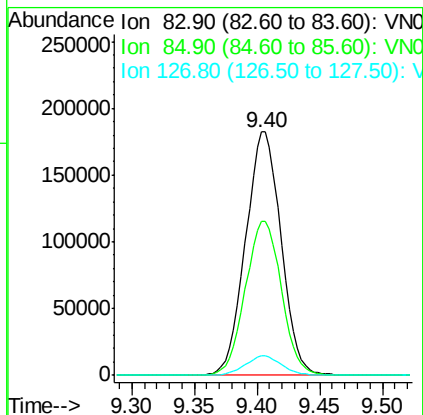
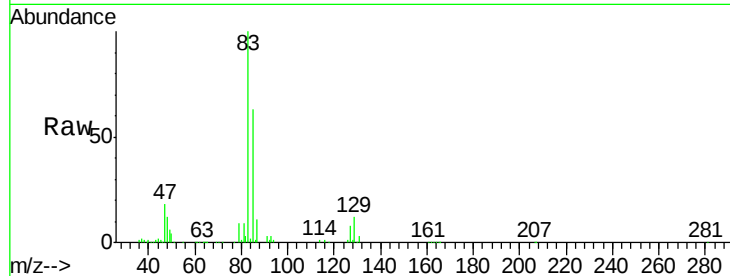
ClientSampleId :

VN0706WBS01

Tot Ion:	83	Resp:	359746
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.5	75.7
127	8.0	6.8	10.2

Manual Integrations
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7/9/2018 6:00:31 PM



#48

Methyl methacrylate

Concen: 19.564 ug/l

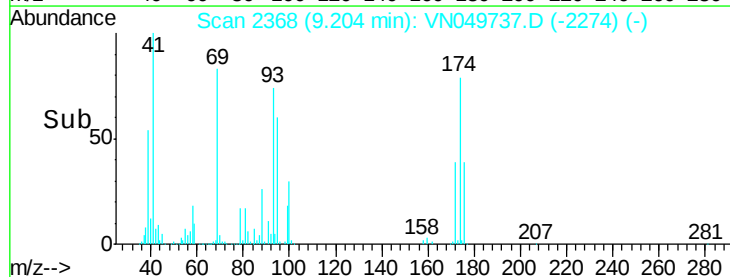
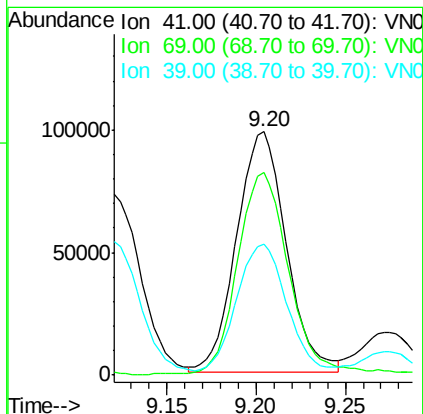
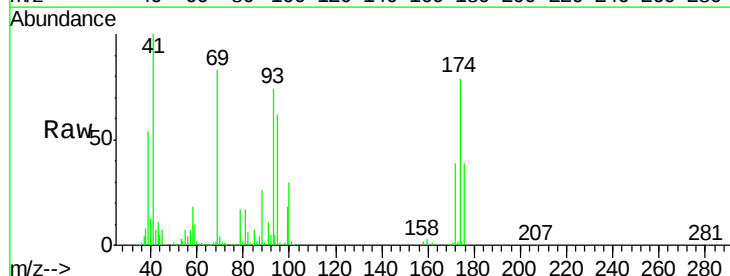
RT: 9.20 min Scan# 2368

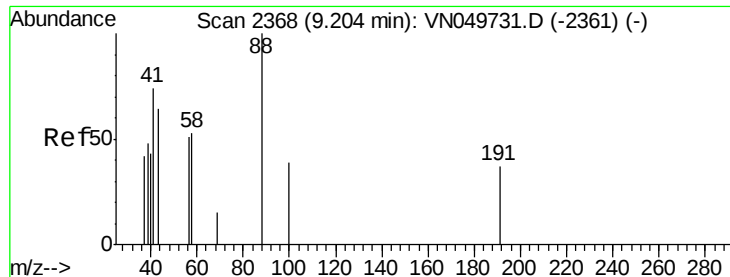
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	41	Resp:	190888
Ion Ratio	Lower	Upper	
41	100		
69	84.8	71.5	107.3
39	55.3	44.7	67.1





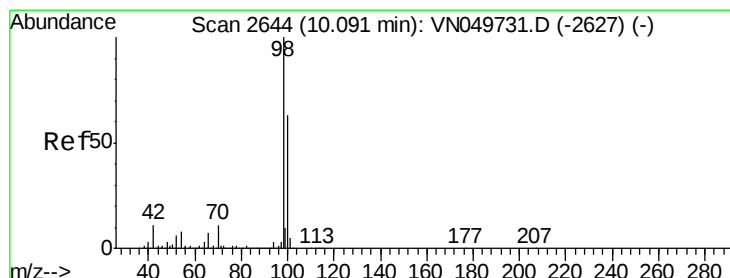
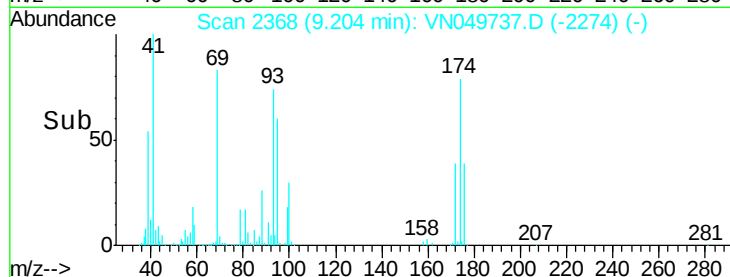
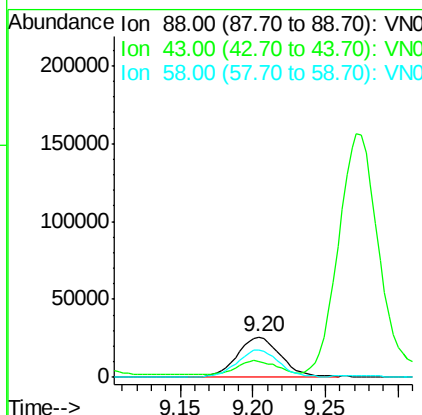
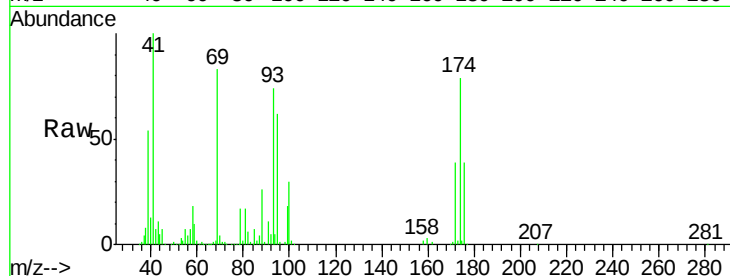
#49
1,4-Dioxane
Concen: 413.020 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.1	37.7
58	65.9	52.5	78.7

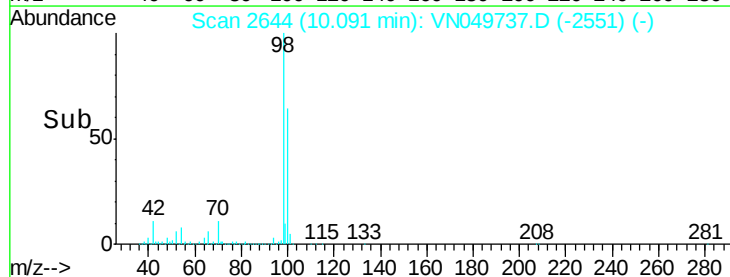
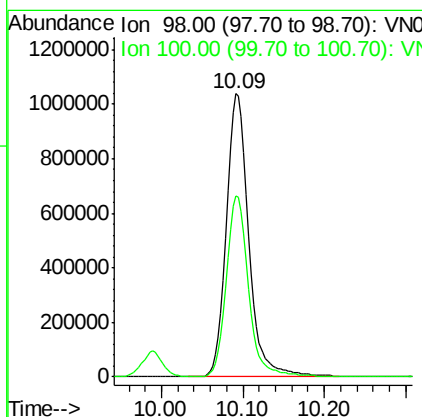
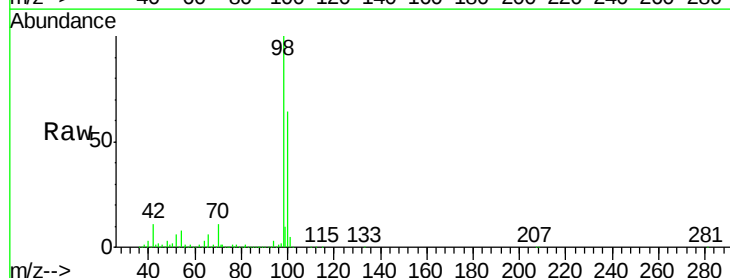
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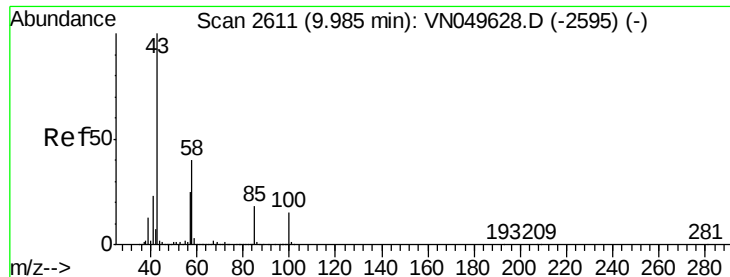
MMDadoda
7/9/2018 6:00:31 PM



#50
Toluene-d8
Concen: 41.322 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





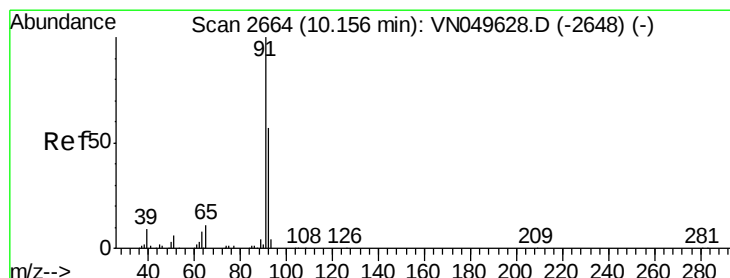
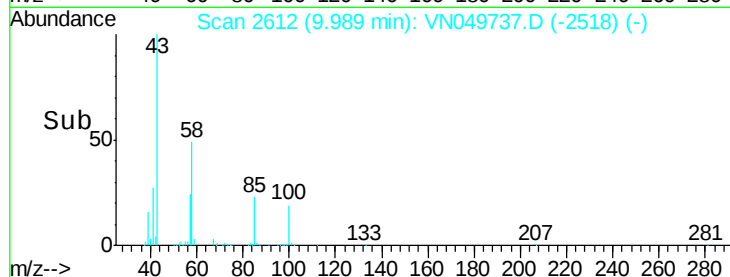
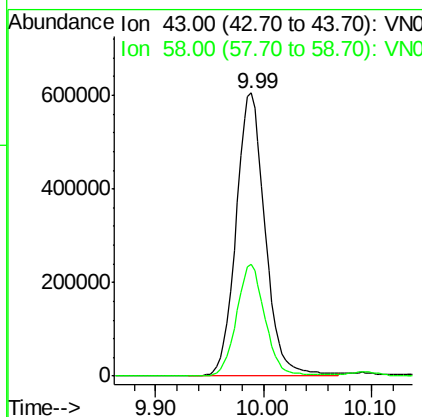
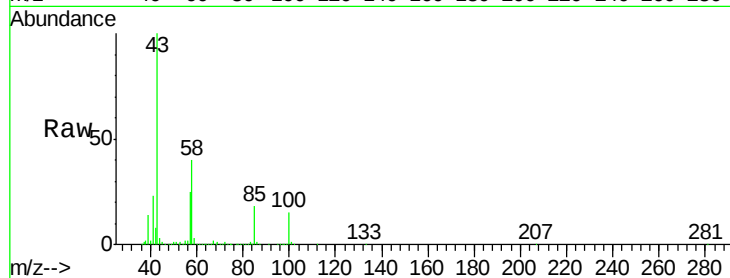
#51
4-Methyl-2-Pentanone
Concen: 105.054 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion: 43 Resp: 1130942
Ion Ratio Lower Upper
43 100
58 39.0 31.8 47.8

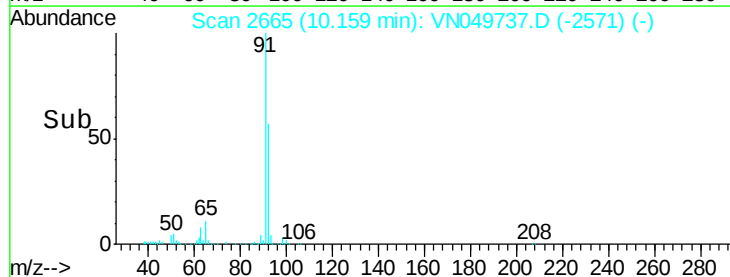
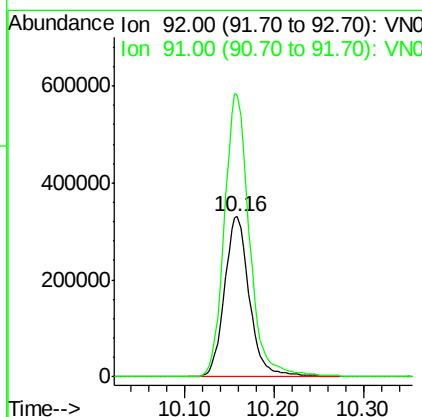
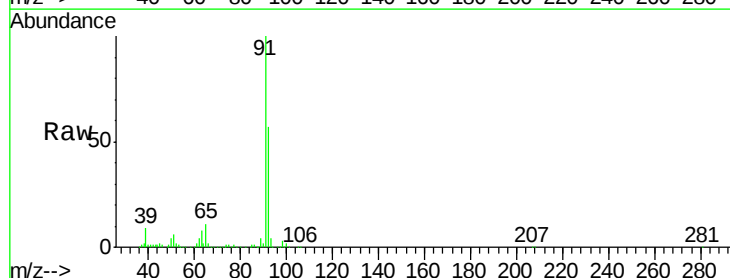
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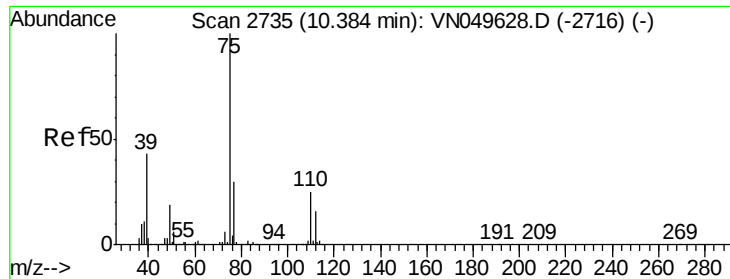
MMDadoda
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#52
Toluene
Concen: 18.527 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion: 92 Resp: 643388
Ion Ratio Lower Upper
92 100
91 177.8 140.1 210.1





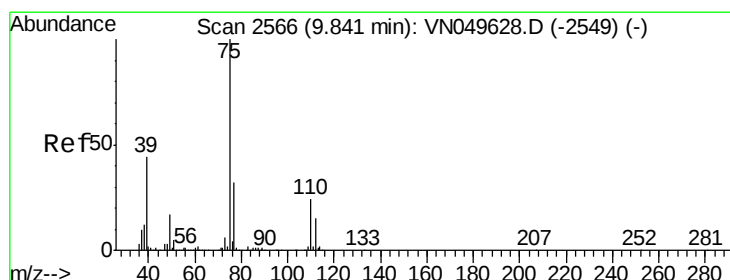
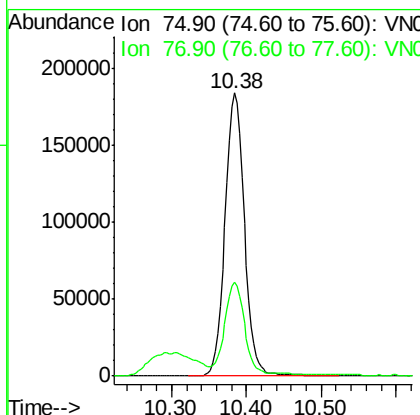
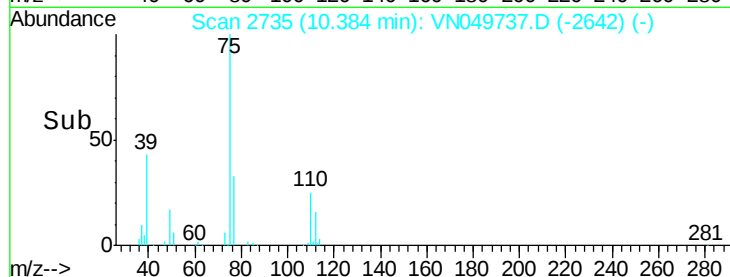
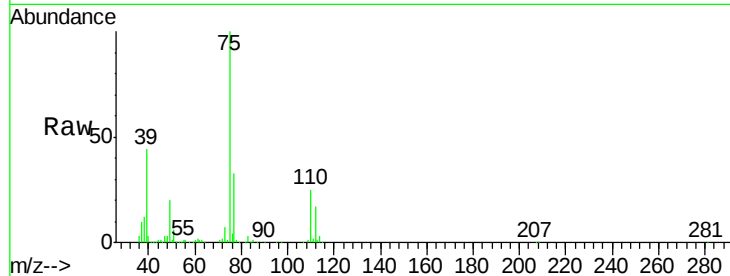
#53
t-1,3-Dichloropropene
Concen: 17.858 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion: 75 Resp: 327056
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8

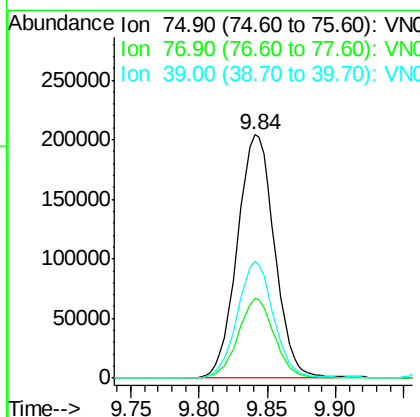
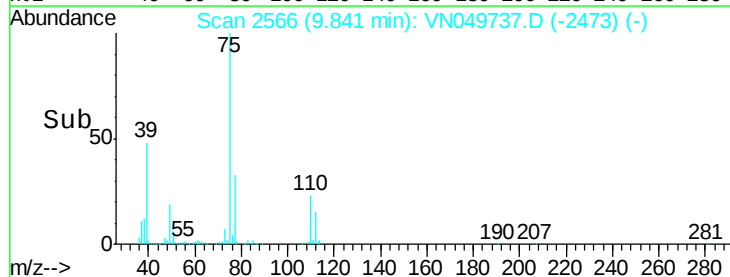
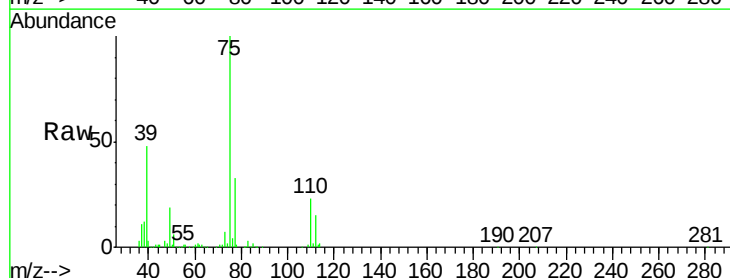
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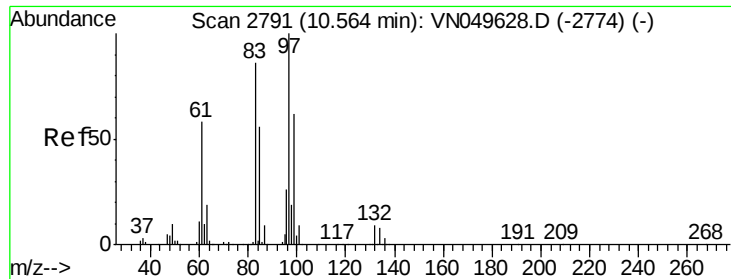
MMDadoda
7/9/2018 6:00:31 PM



#54
cis-1,3-Dichloropropene
Concen: 18.073 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion: 75 Resp: 386834
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9
39 47.7 35.5 53.3





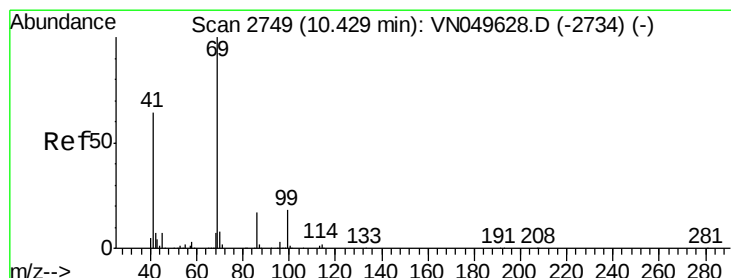
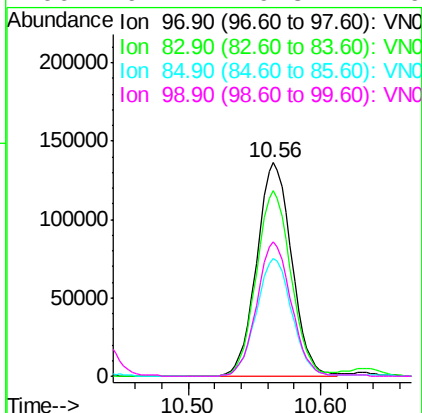
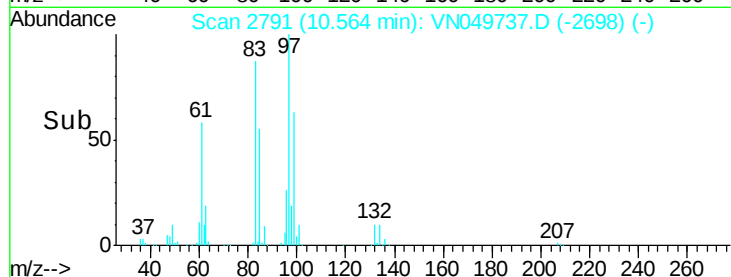
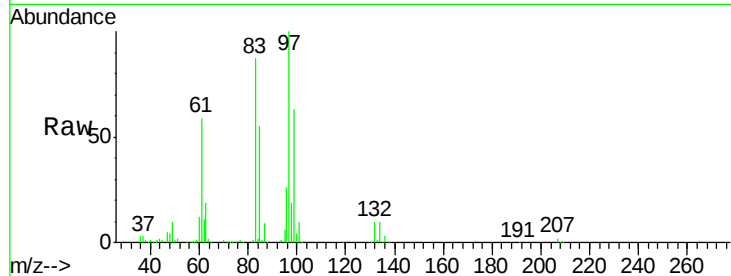
#55
 1,1,2-Trichloroethane
 Concen: 19.374 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		250508		
83	86.7	69.0	103.6		
85	55.0	44.9	67.3		
99	62.4	49.8	74.6		

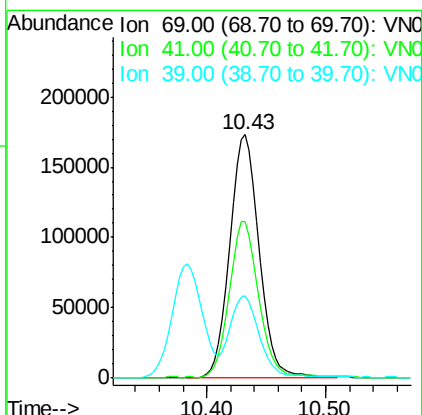
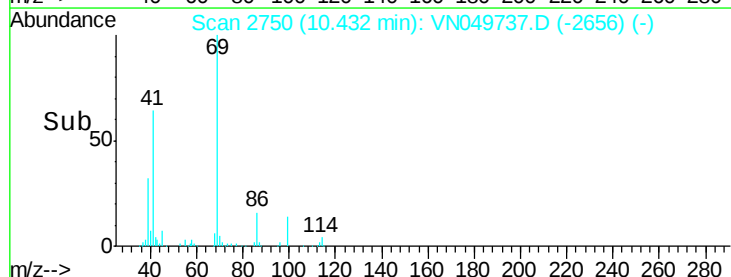
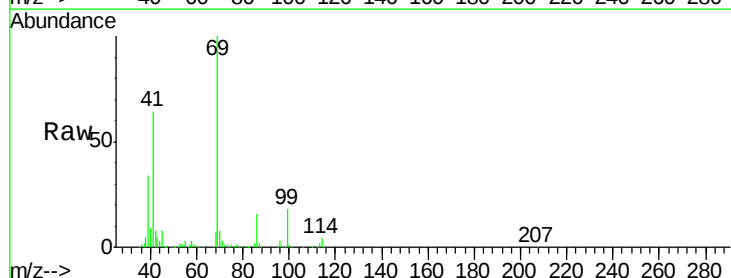
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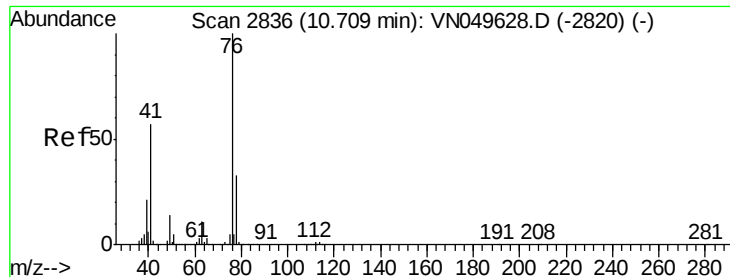
MMDadoda
 7/9/2018 6:00:31 PM



#56
 Ethyl methacrylate
 Concen: 19.586 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		296849		
41	63.6	51.6	77.4		
39	33.5	25.8	38.8		





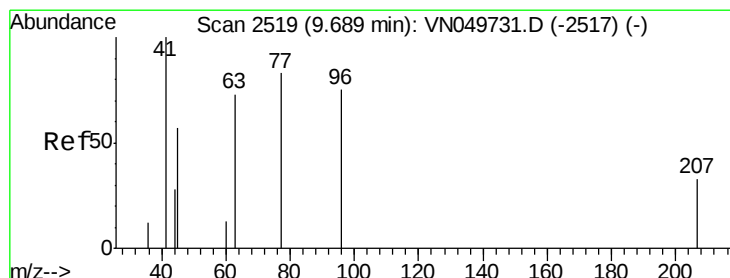
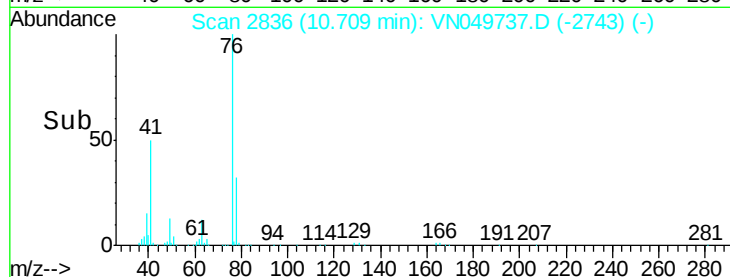
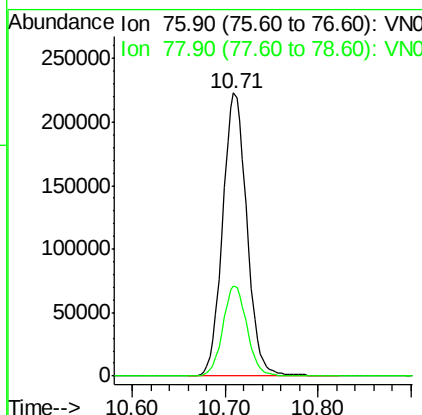
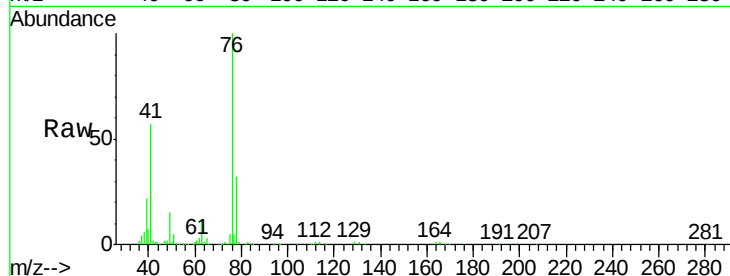
#57
 1,3-Dichloropropane
 Concen: 19.310 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Tot Ion: 76 Resp: 404872
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

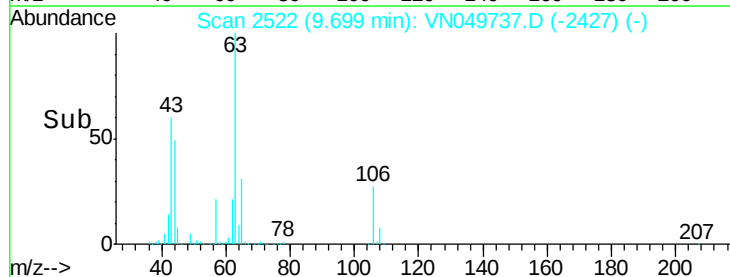
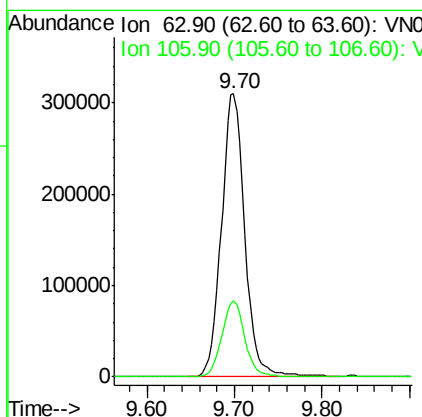
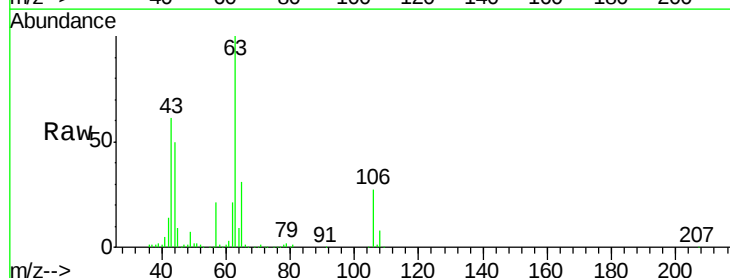
Manual Integrations
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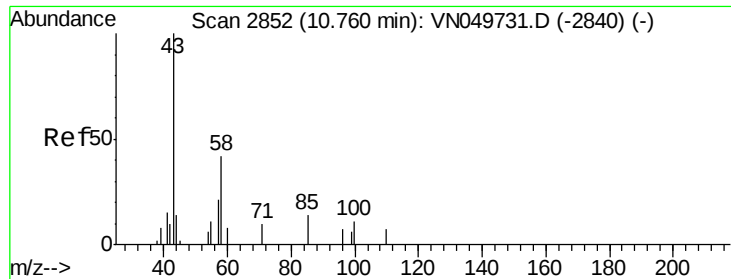
MMDadoda
 7/9/2018 6:00:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.257 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion: 63 Resp: 573310
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.8 32.8





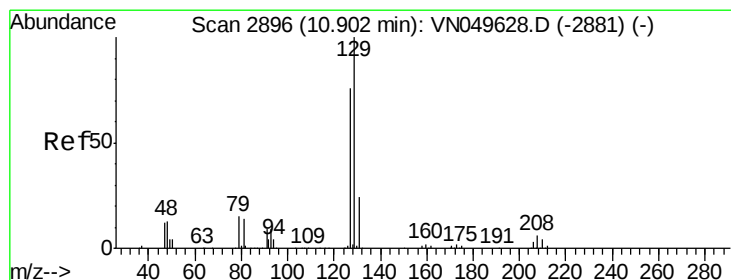
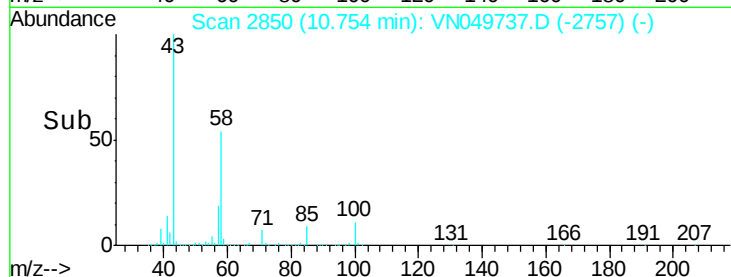
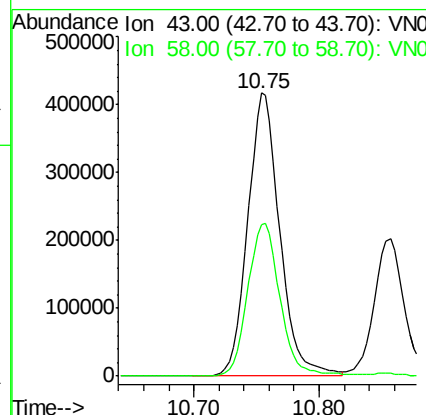
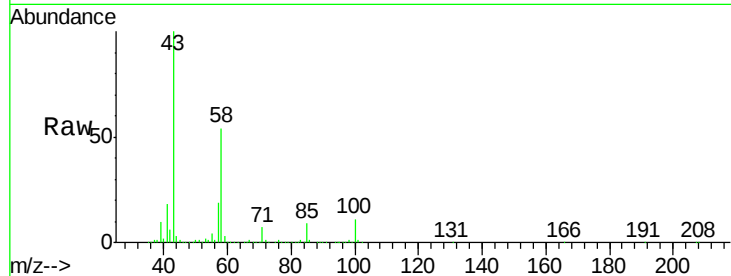
#59
2-Hexanone
Concen: 103.459 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion: 43 Resp: 736482
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4

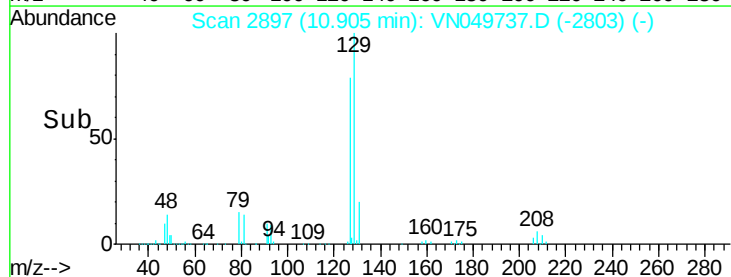
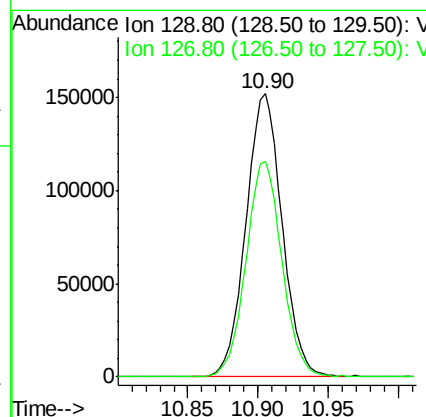
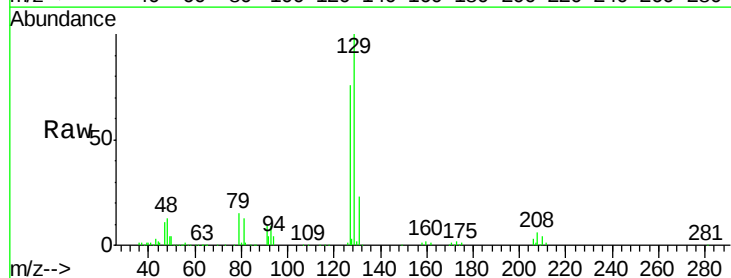
Manual Integrations
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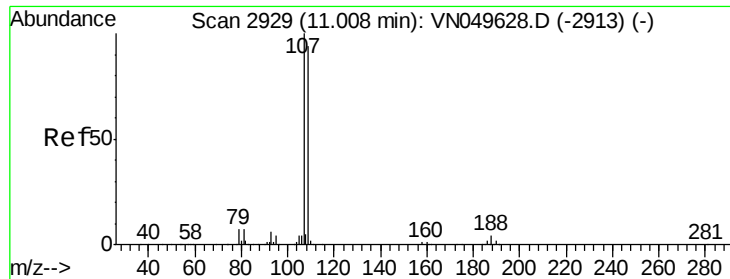
MMDadoda
7/9/2018 6:00:31 PM



#60
Dibromochloromethane
Concen: 19.545 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion: 129 Resp: 273148
Ion Ratio Lower Upper
129 100
127 75.5 38.3 114.9





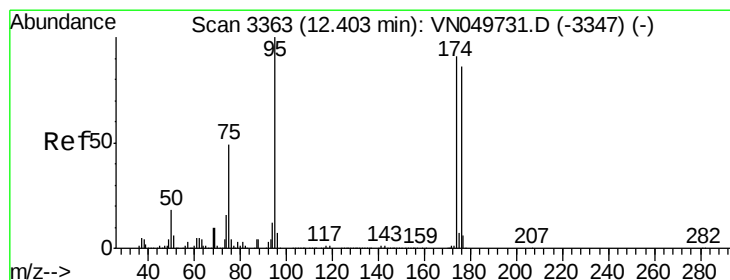
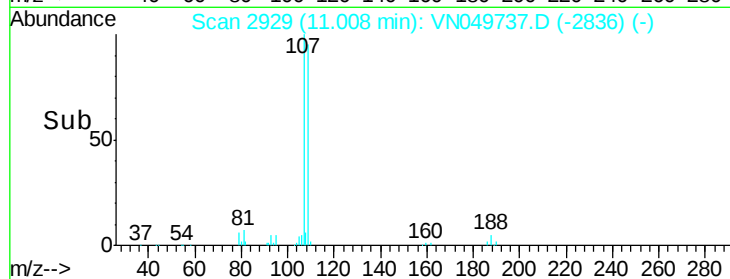
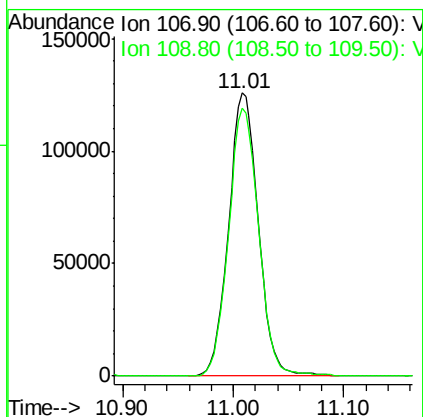
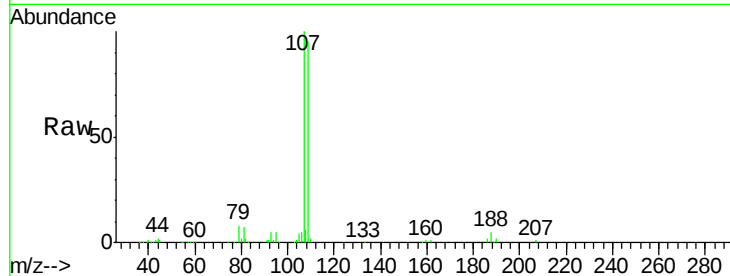
#61
1,2-Dibromoethane
Concen: 18.954 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampled :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.0	112.6

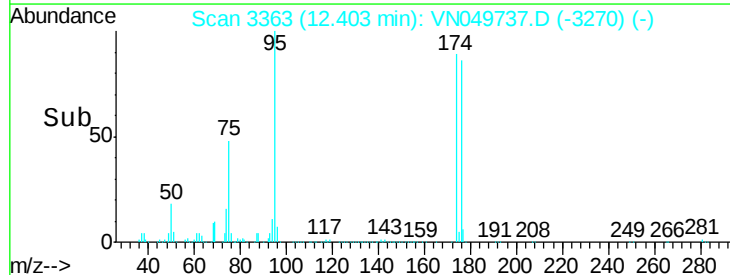
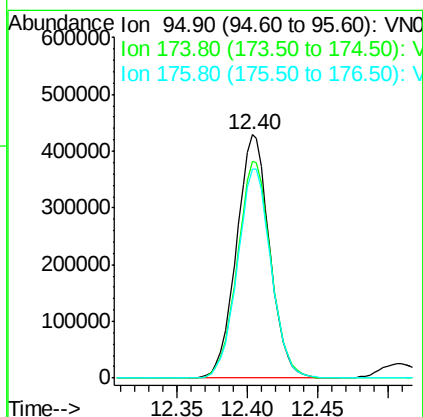
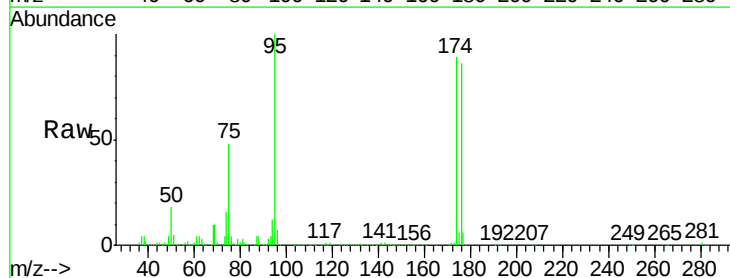
Manual Integrations
APPROVED

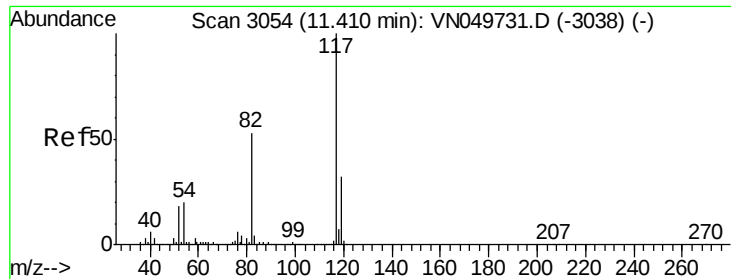
MMDadoda
7/9/2018 6:00:31 PM



#62
4-Bromofluorobenzene
Concen: 42.314 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	179.6
176	87.0	0.0	174.0





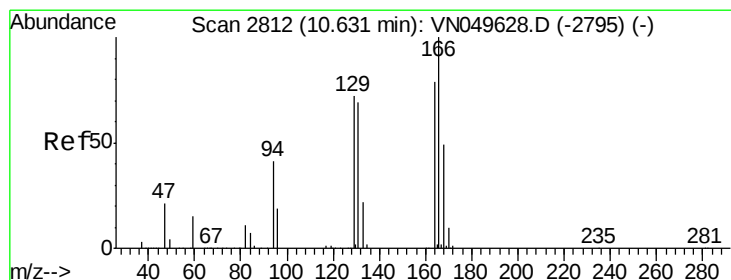
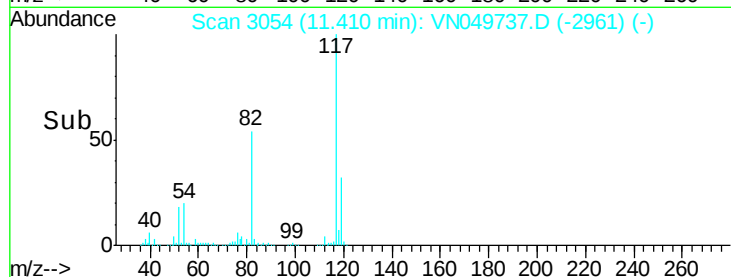
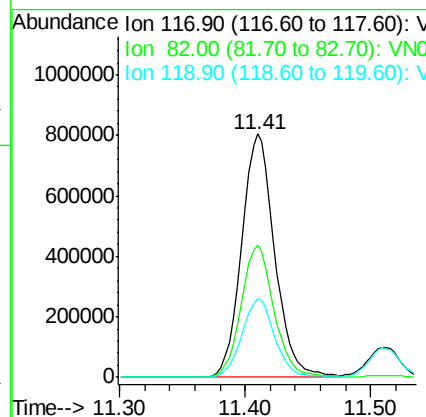
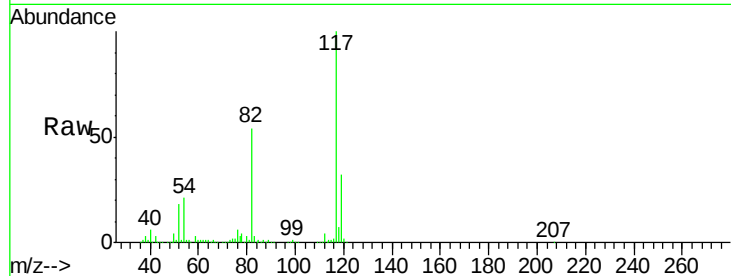
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion:117 Resp: 1475133
Ion Ratio Lower Upper
117 100
82 54.1 41.9 62.9
119 32.2 25.4 38.2

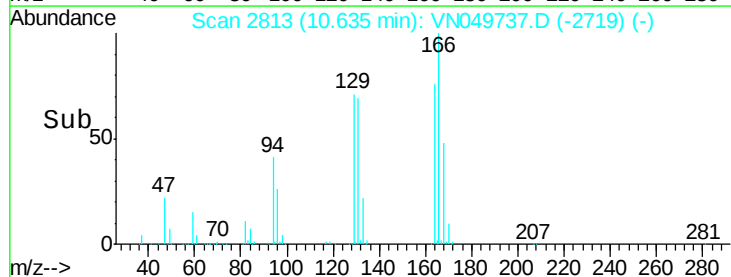
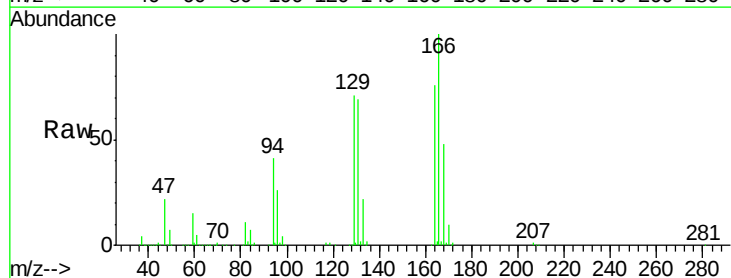
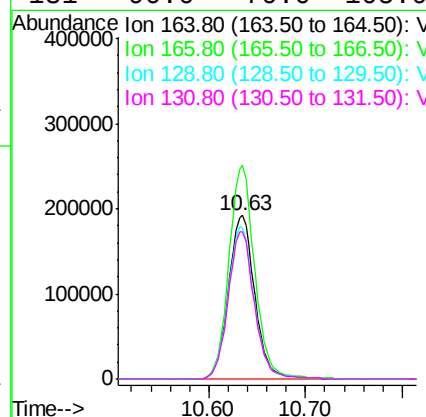
Manual Integrations
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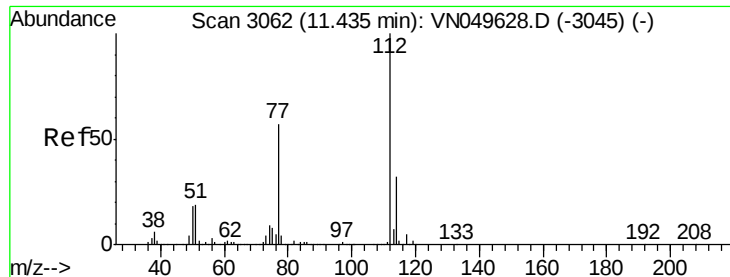
MMDadoda
7/9/2018 6:00:31 PM



#64
Tetrachloroethene
Concen: 18.188 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion:164 Resp: 363282
Ion Ratio Lower Upper
164 100
166 130.7 101.8 152.6
129 92.8 72.8 109.2
131 90.0 70.0 105.0





#65

Chlorobenzene

Concen: 18.229 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion:112 Resp: 701490

Ion Ratio Lower Upper

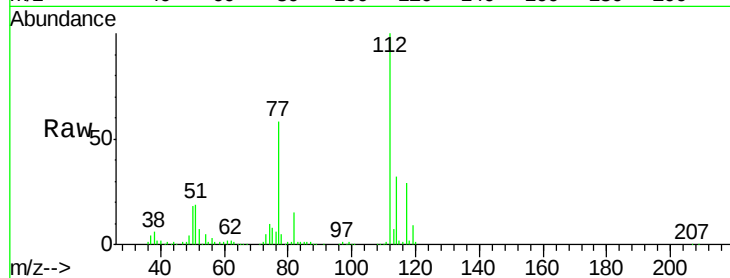
112 100

114 32.1 25.4 38.0

Manual Integrations
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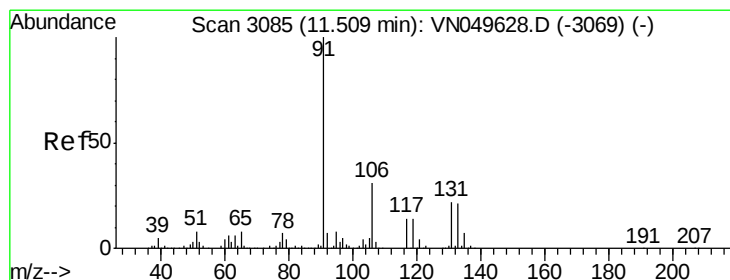
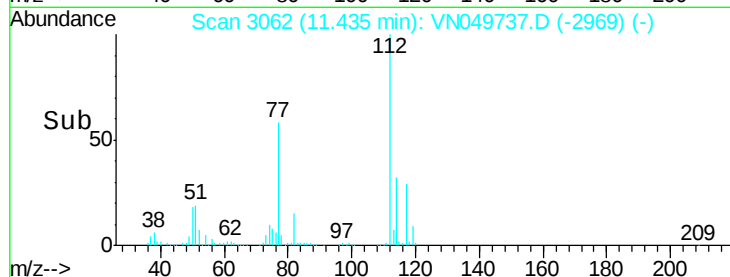
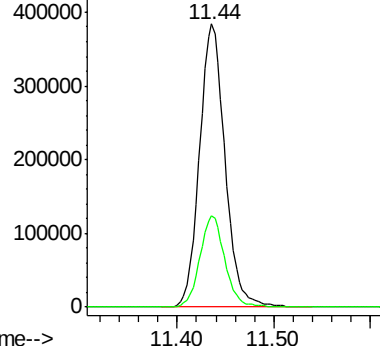
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.856 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

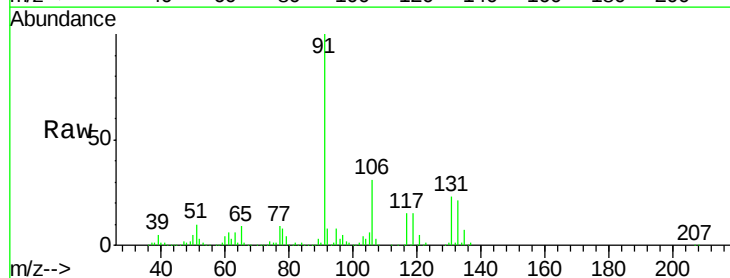
Tgt Ion:131 Resp: 260719

Ion Ratio Lower Upper

131 100

133 94.4 47.5 142.6

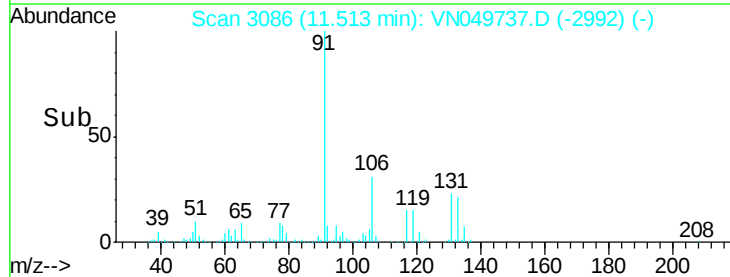
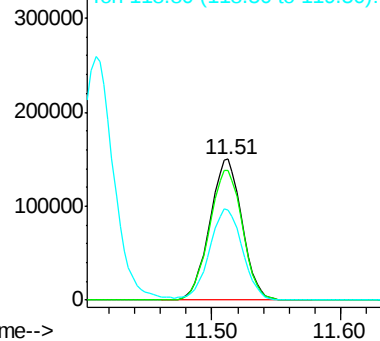
119 66.2 33.1 99.3

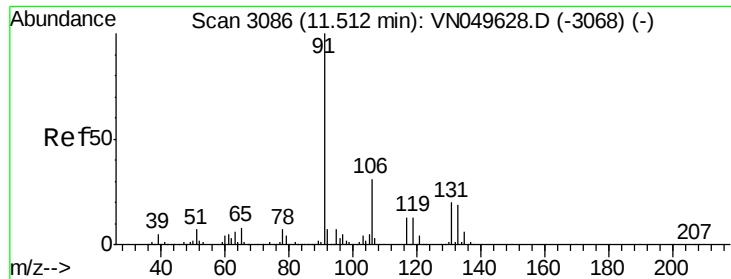


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





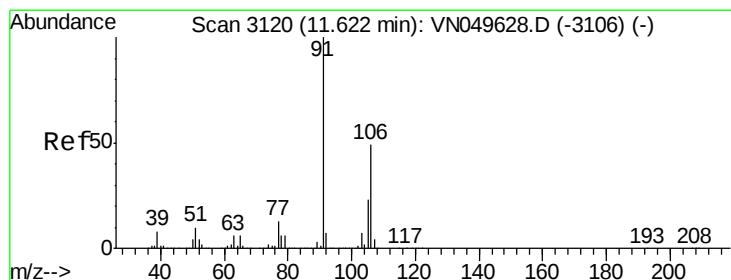
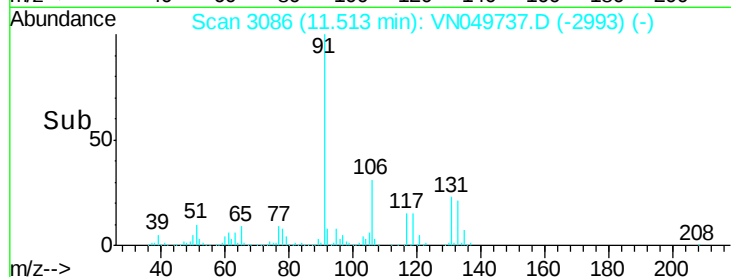
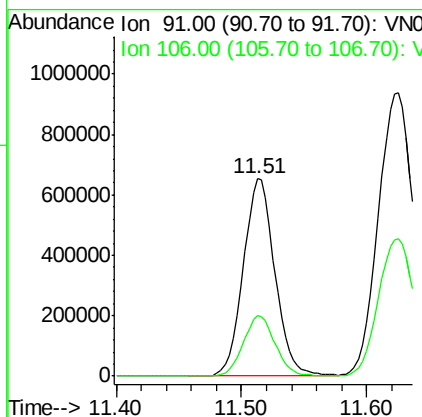
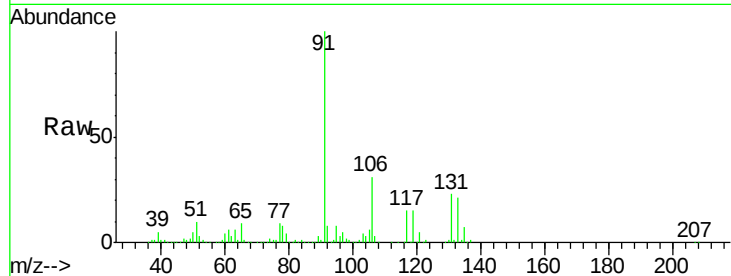
#67
Ethyl Benzene
Concen: 18.065 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampled :
VN0706WBS01

Tot Ion: 91 Resp: 1149137
Ion Ratio Lower Upper
91 100
106 30.6 24.8 37.2

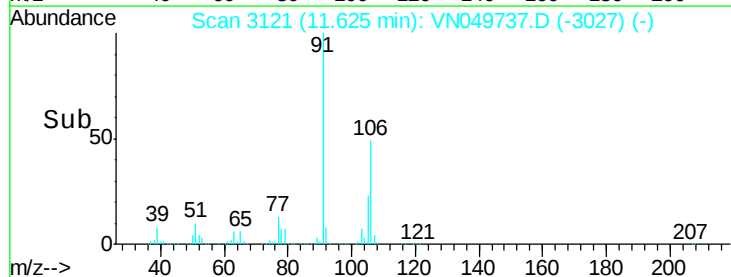
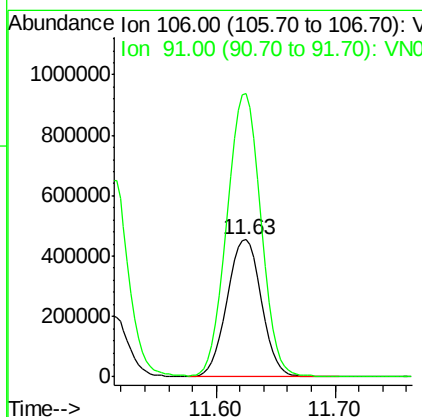
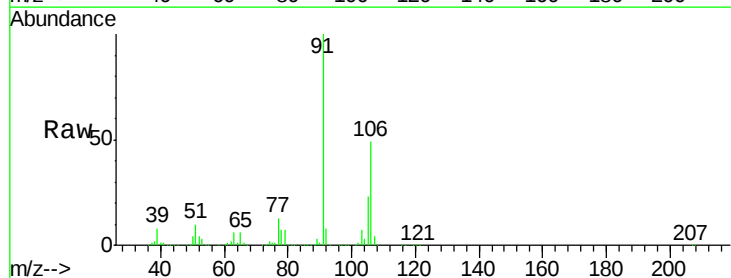
Manual Integrations
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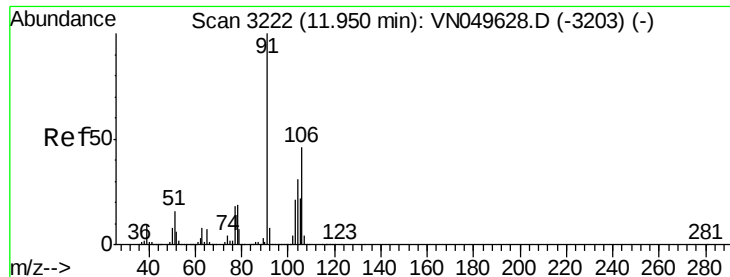
MMDadoda
7/9/2018 6:00:31 PM



#68
m/p-Xylenes
Concen: 37.426 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion: 106 Resp: 912372
Ion Ratio Lower Upper
106 100
91 204.0 163.4 245.2





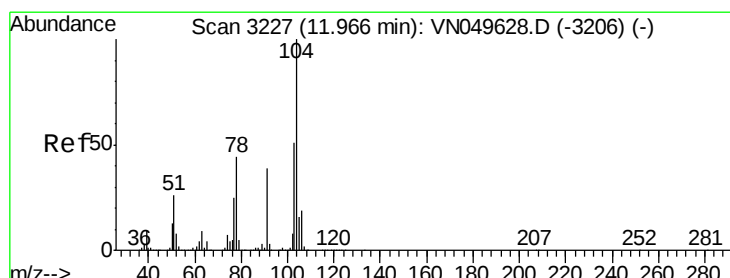
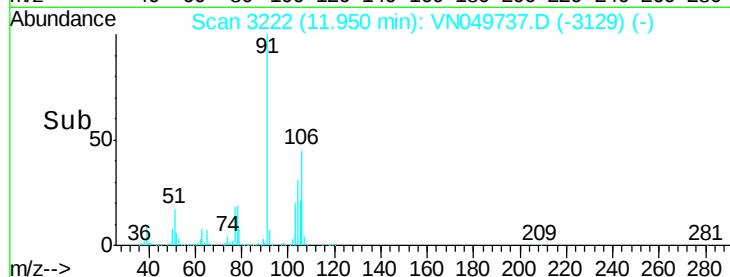
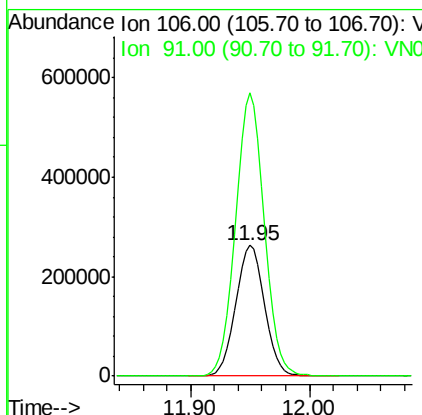
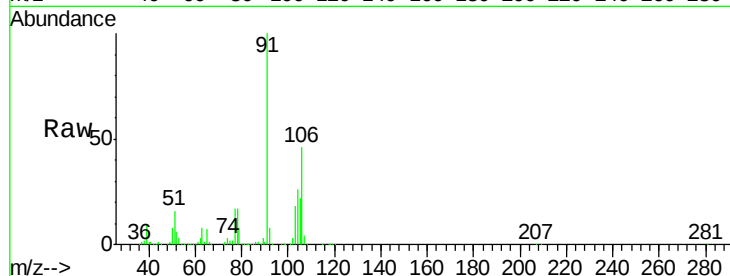
#69
o-Xylene
Concen: 18.891 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion:106 Resp: 440919
Ion Ratio Lower Upper
106 100
91 215.6 108.7 326.1

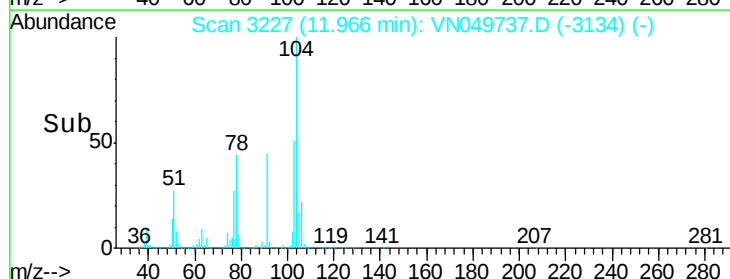
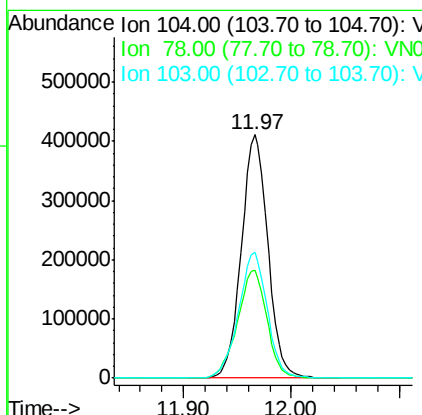
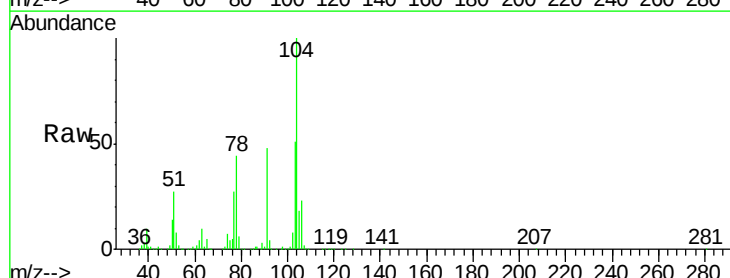
Manual Integrations
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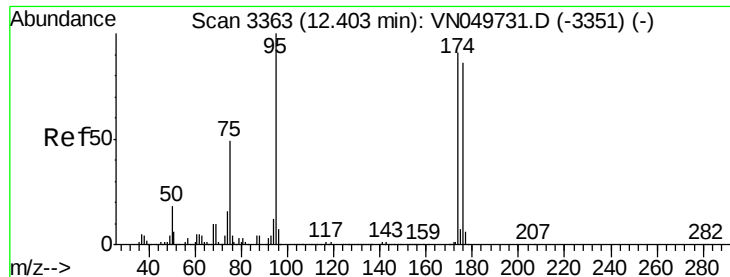
MMDadoda
7/9/2018 6:00:31 PM



#70
Styrene
Concen: 18.666 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion:104 Resp: 704908
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.8 44.6 67.0





#71

Bromoform

Concen: 19.238 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion:173 Resp: 176755

Ion Ratio Lower Upper

173 100

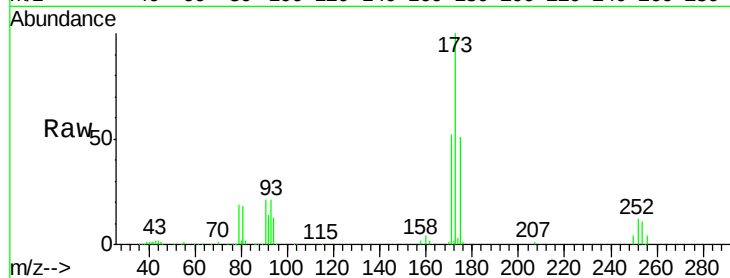
175 48.8 24.6 73.8

254 0.1 0.2 0.2#

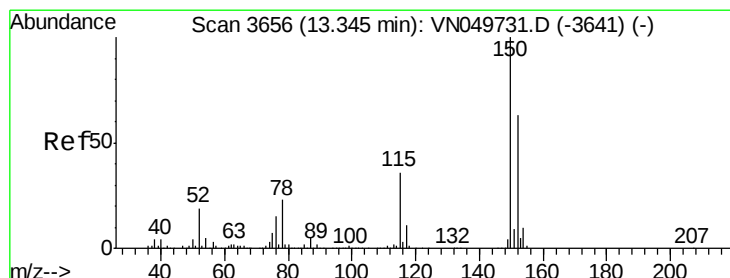
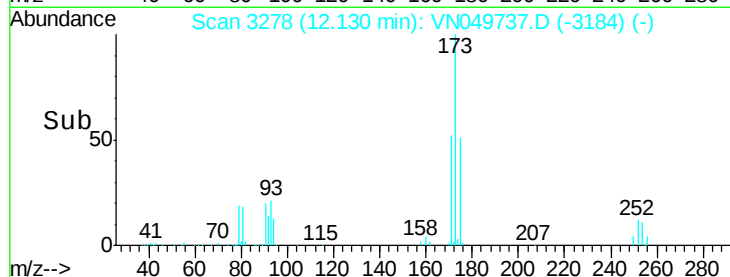
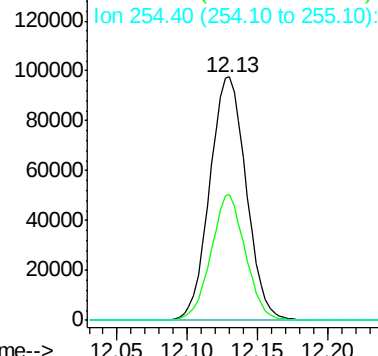
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

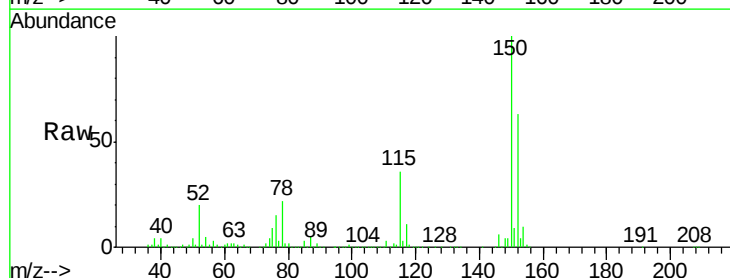
Tgt Ion:152 Resp: 779459

Ion Ratio Lower Upper

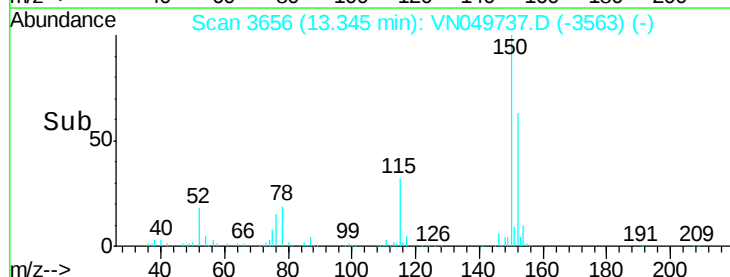
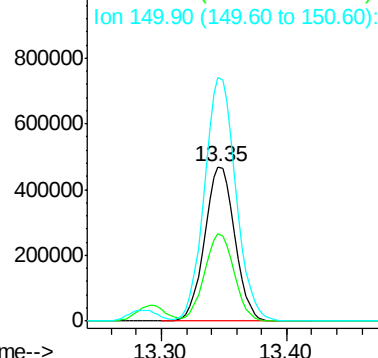
152 100

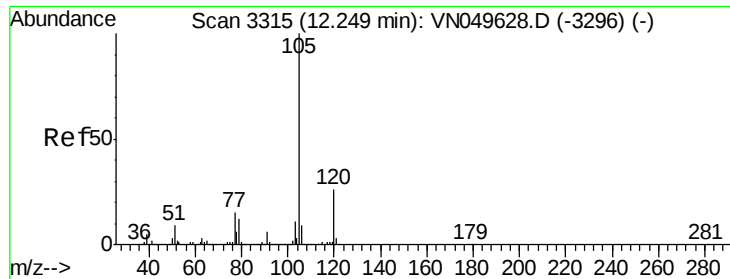
115 55.9 28.1 84.2

150 164.7 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





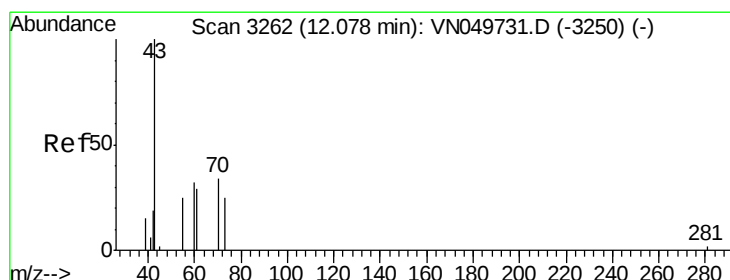
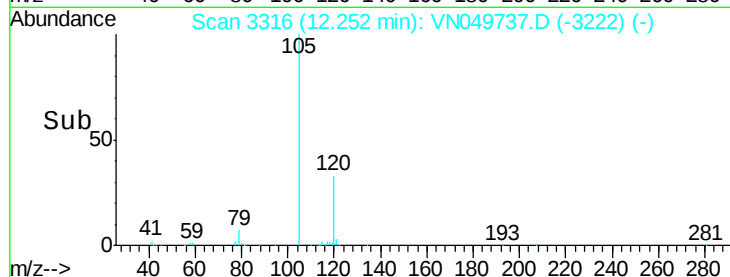
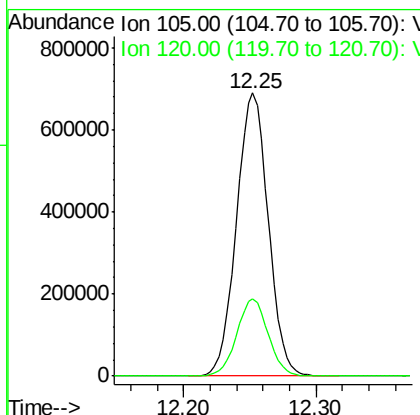
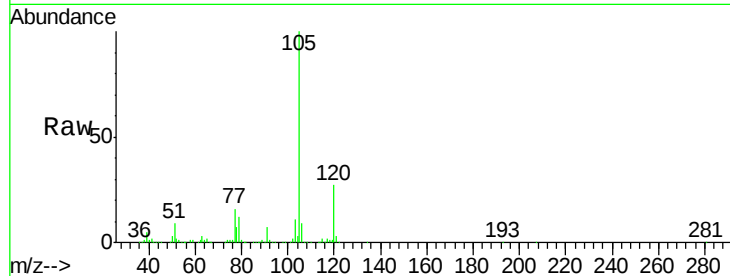
#73
Isopropylbenzene
Concen: 18.485 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion: 105 Resp: 1147693
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.8

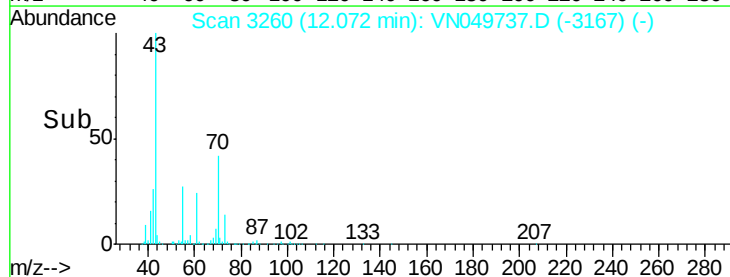
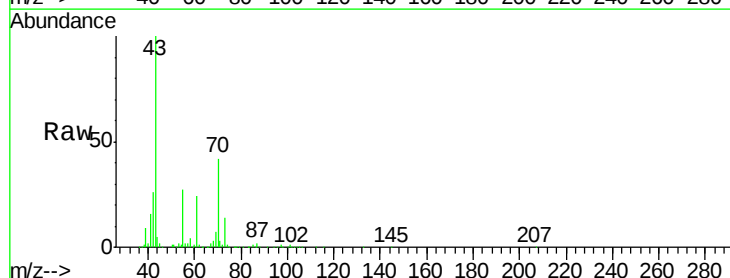
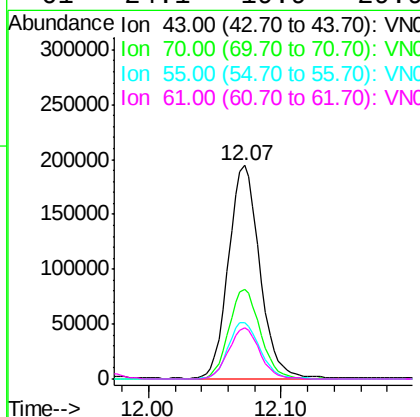
Manual Integrations
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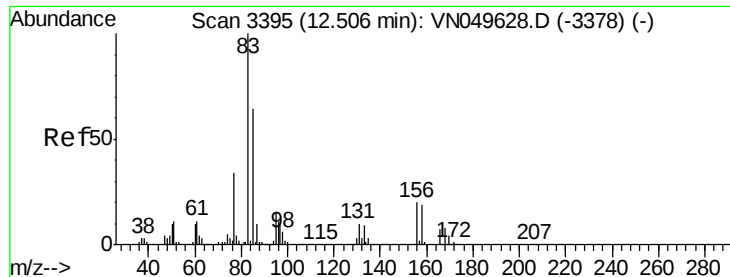
MMDadoda
7/9/2018 6:00:31 PM



#74
N-ethyl acetate
Concen: 18.715 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion: 43 Resp: 317402
Ion Ratio Lower Upper
43 100
70 42.6 34.8 52.2
55 27.4 20.9 31.3
61 24.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.154 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion: 83 Resp: 295690
Ion Ratio Lower Upper

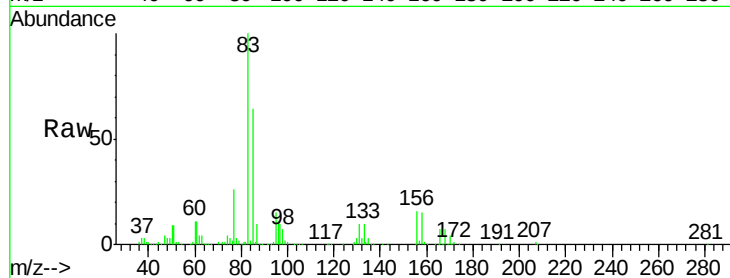
83 100

131 10.2 5.2 15.6

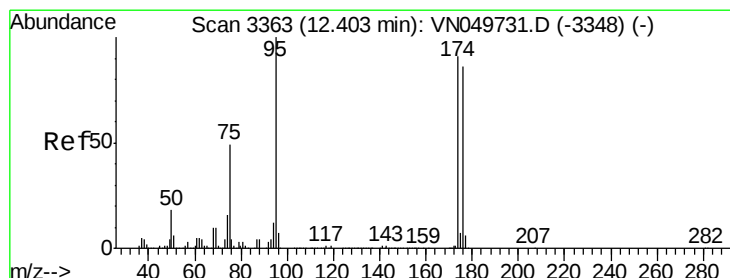
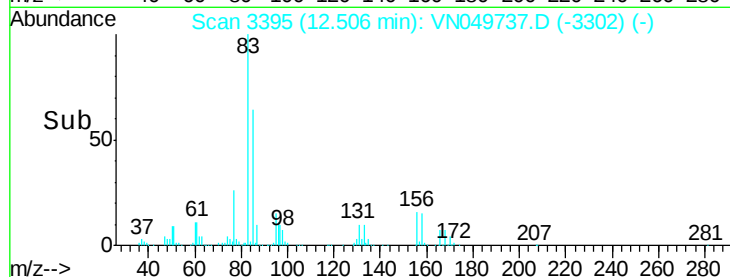
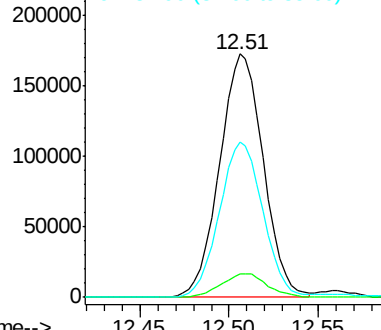
85 63.5 32.5 97.4

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



#76

1,2,3-Trichloropropane

Concen: 22.378 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

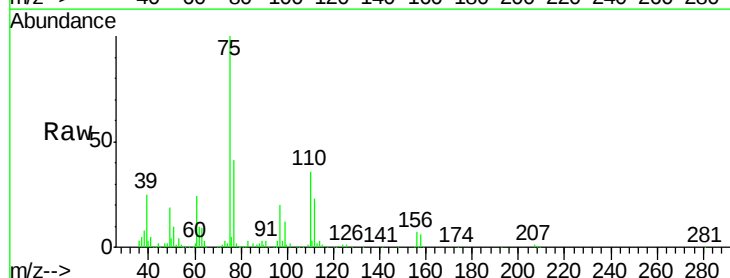
Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

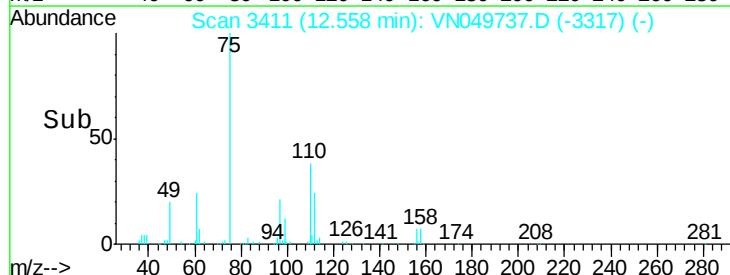
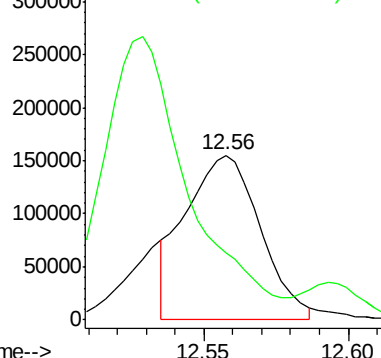
Tgt Ion: 75 Resp: 279752
Ion Ratio Lower Upper

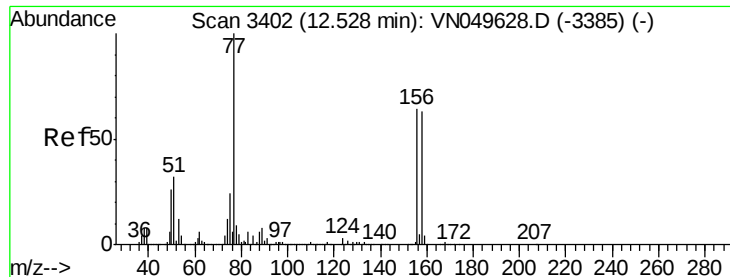
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 18.074 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

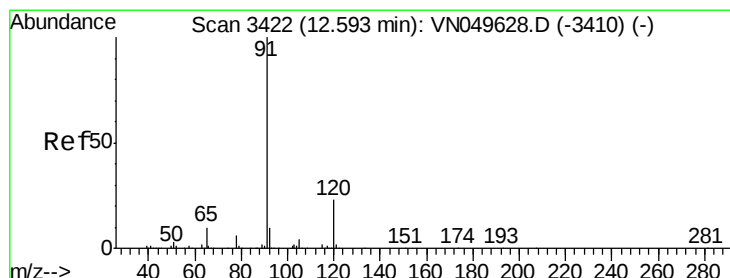
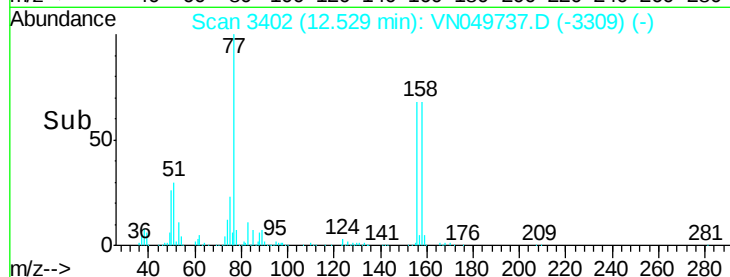
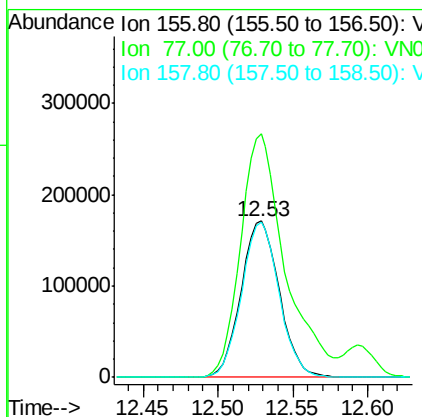
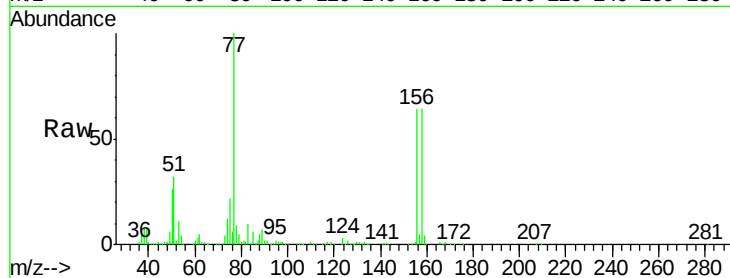
ClientSampleId :

VN0706WBS01

Tot Ion:	156	Resp:	305137
Ion Ratio	Lower	Upper	
156	100		
77	180.5	90.2	270.6
158	97.0	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.797 ug/l

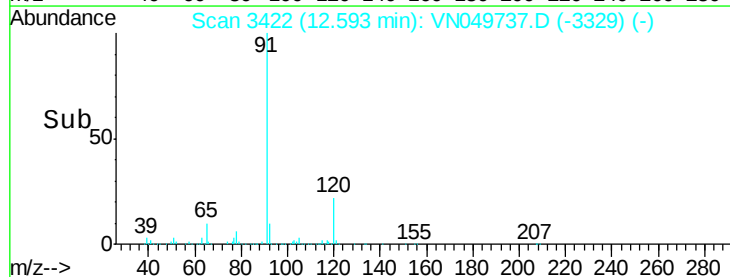
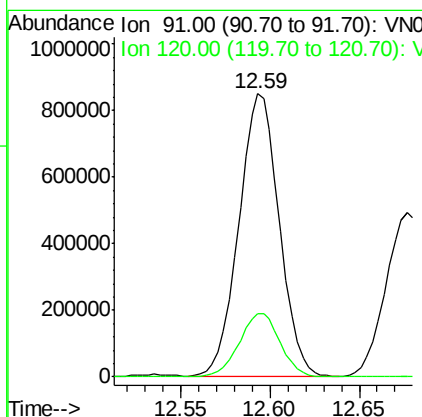
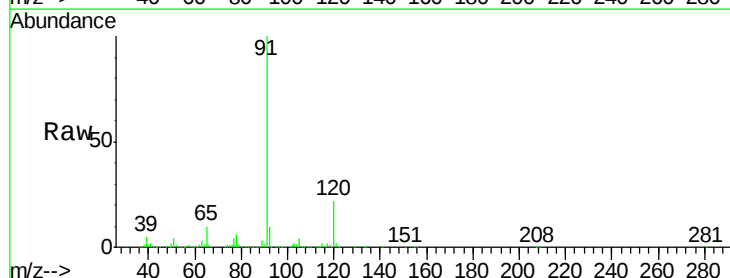
RT: 12.59 min Scan# 3422

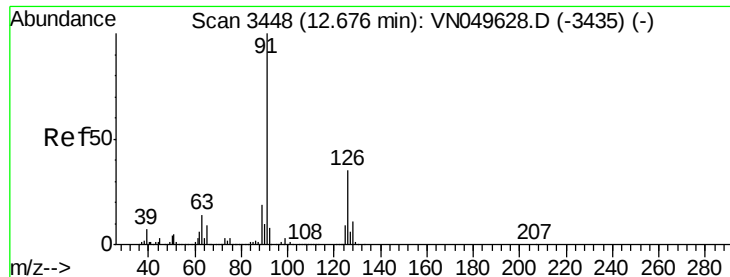
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	91	Resp:	1337526
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.4





#79

2-Chlorotoluene

Concen: 18.484 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion: 91 Resp: 832410

Ion Ratio Lower Upper

91 100

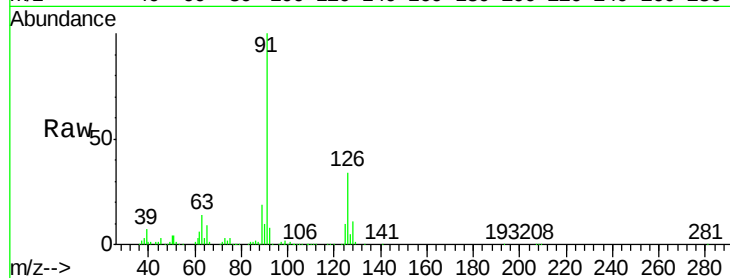
126 34.7 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)

600000

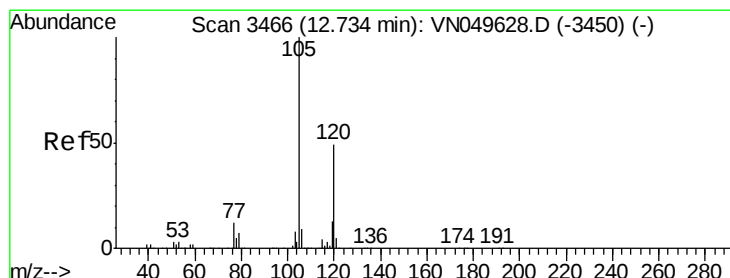
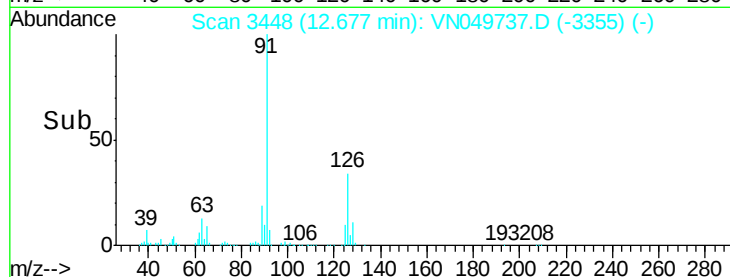
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.438 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049737.D

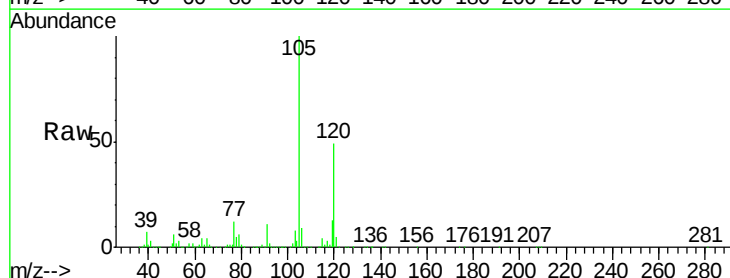
Acq: 6 Jul 2018 14:28

Tgt Ion: 105 Resp: 1002901

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

600000

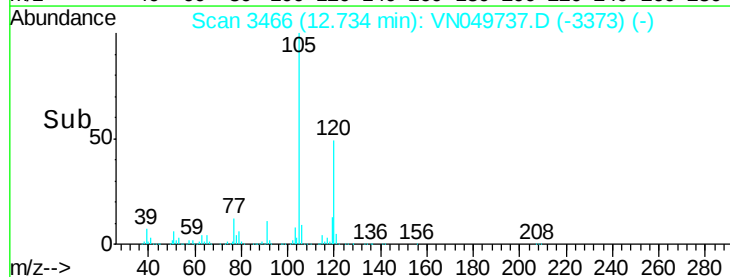
400000

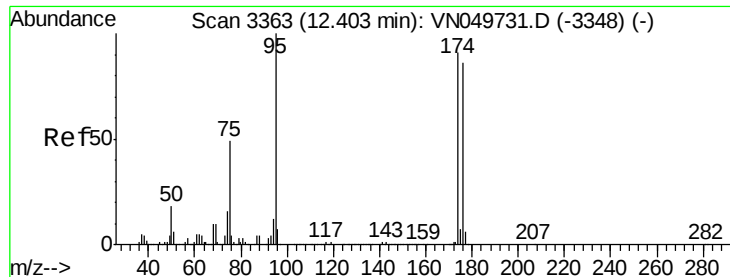
200000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.195 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

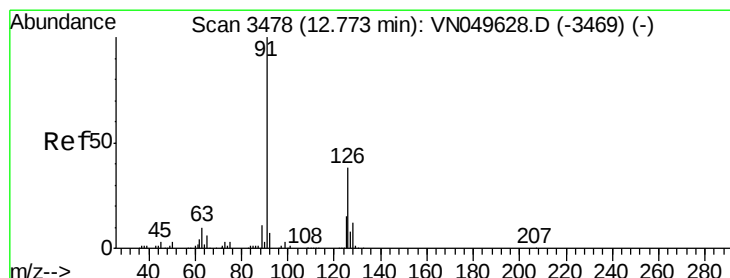
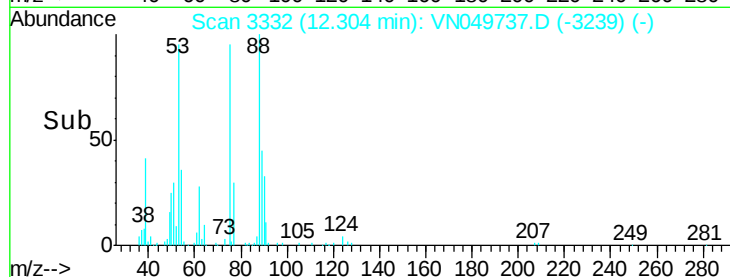
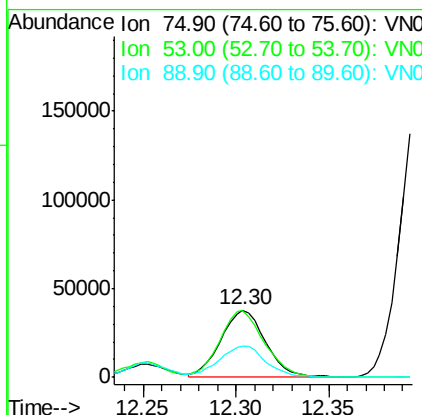
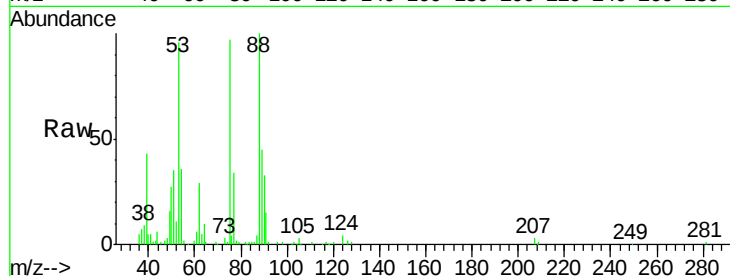
ClientSampleId :

VN0706WBS01

Tot Ion:	75	Resp:	63289
Ion	Ratio	Lower	Upper
75	100		
53	100.4	73.9	110.9
89	48.8	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.097 ug/l

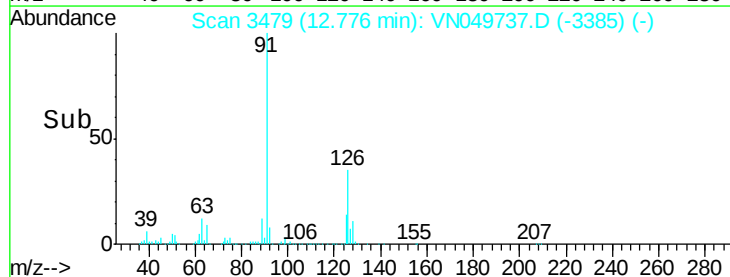
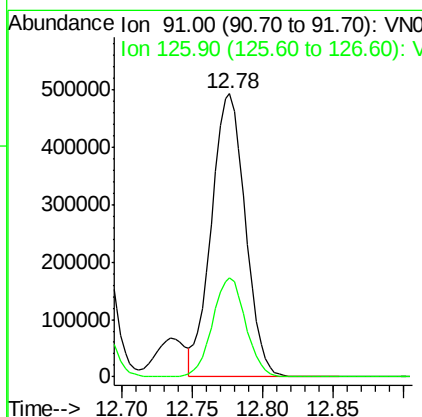
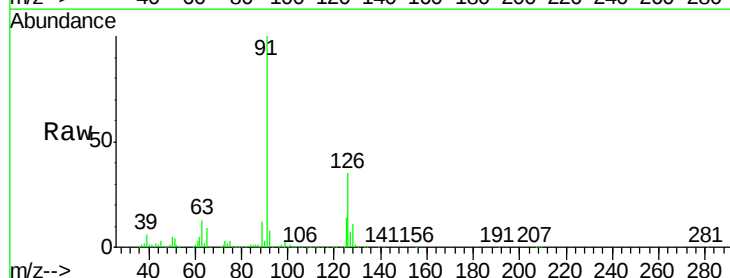
RT: 12.78 min Scan# 3479

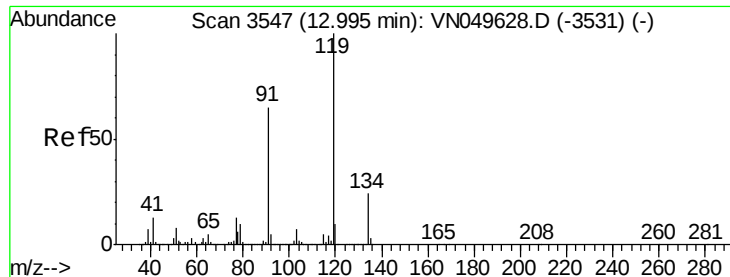
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	91	Resp:	819468
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





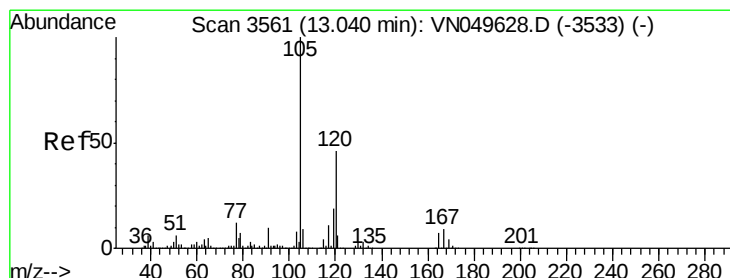
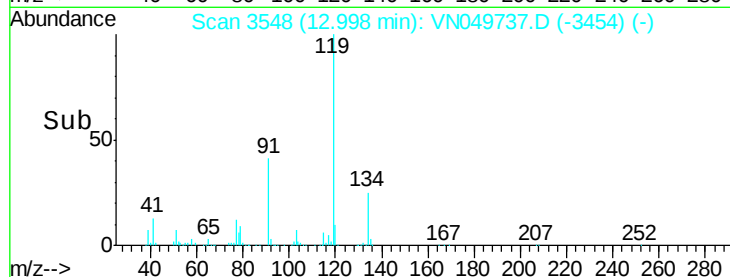
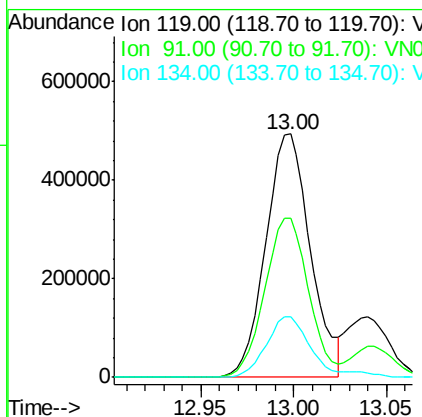
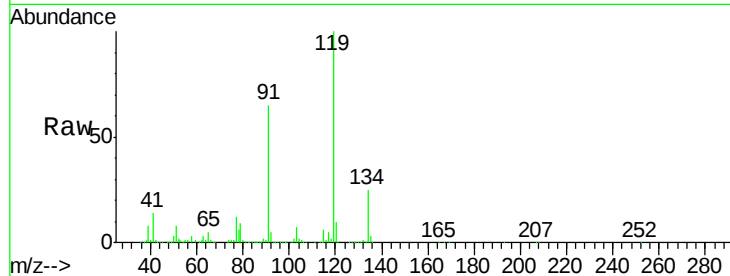
#83
tert-Butylbenzene
Concen: 18.757 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.0	96.2
134	25.7	12.8	38.4

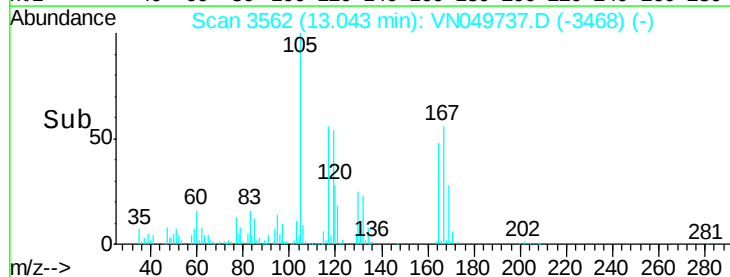
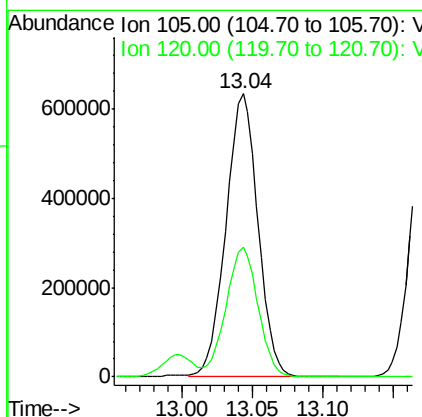
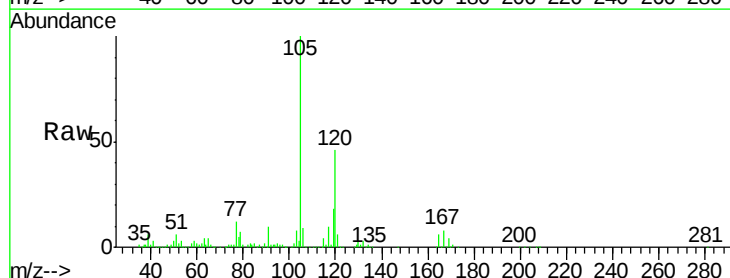
Manual Integrations
APPROVED

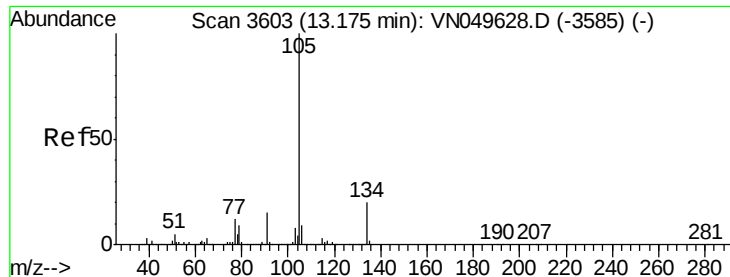
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.944 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





#85

sec-Butylbenzene

Concen: 18.773 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBS01

Tot Ion:105 Resp: 1102405

Ion Ratio Lower Upper

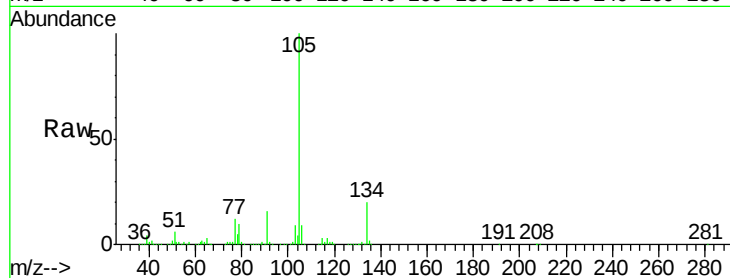
105 100

134 19.9 10.1 30.1

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

Ion 134.00 (133.70 to 134.70): V

800000

600000

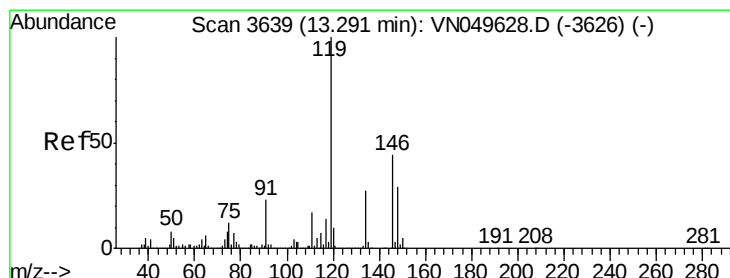
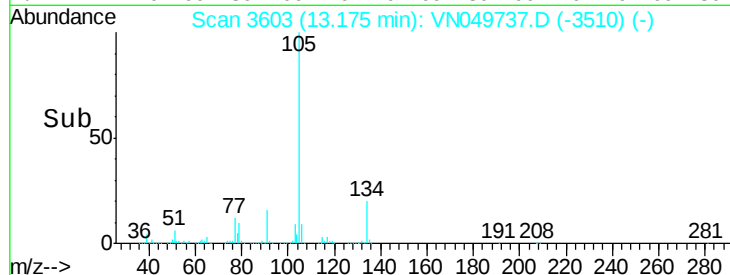
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.769 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

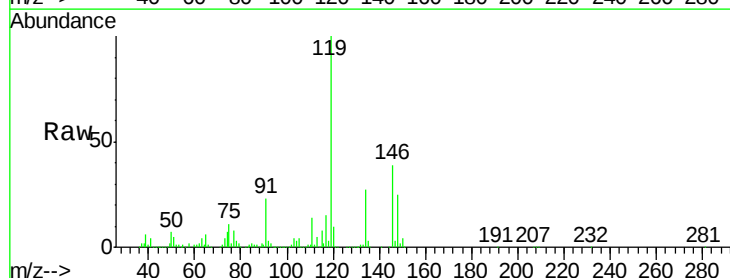
Tgt Ion:119 Resp: 954651

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

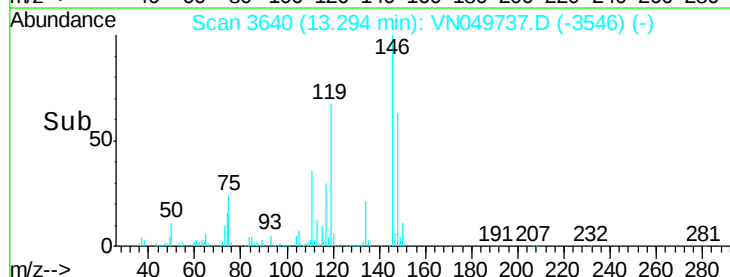
400000

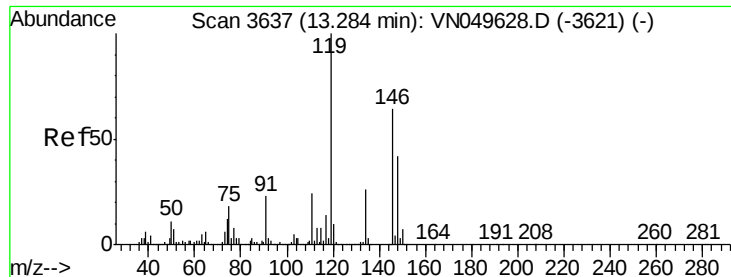
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.129 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

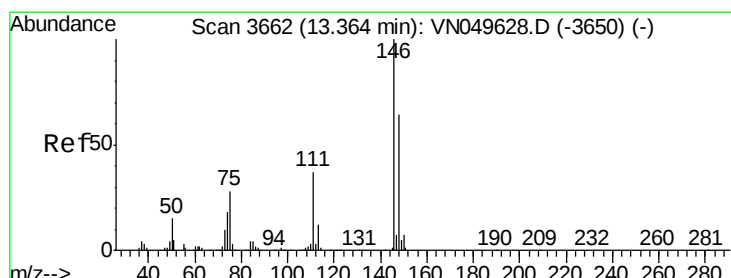
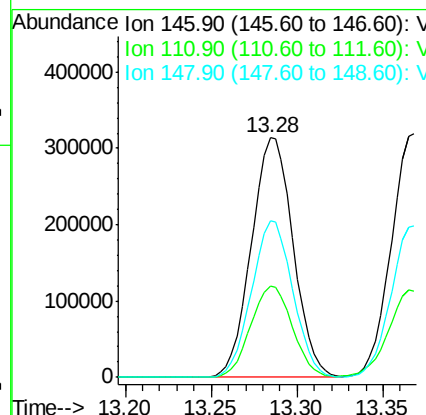
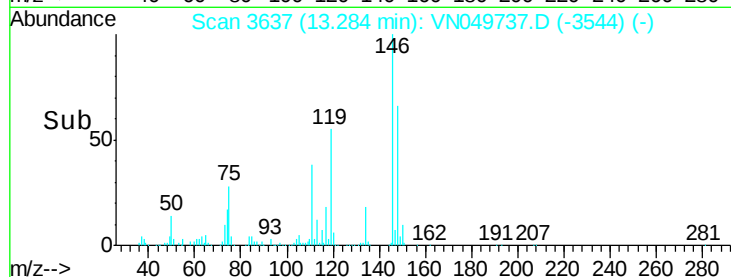
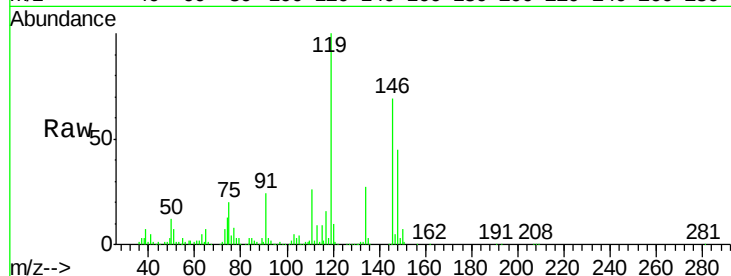
ClientSampleId :

VN0706WBS01

Tot Ion:	146	Resp:	528576
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.0	57.0
148	64.4	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.228 ug/l

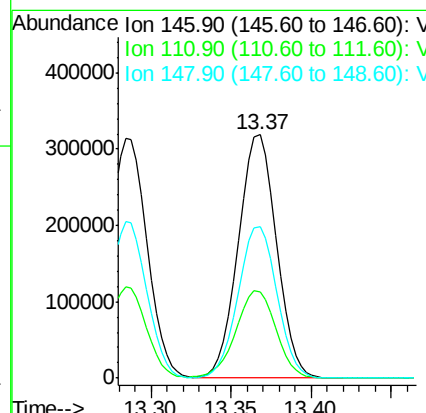
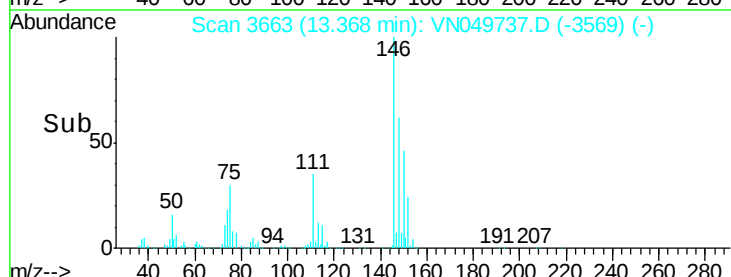
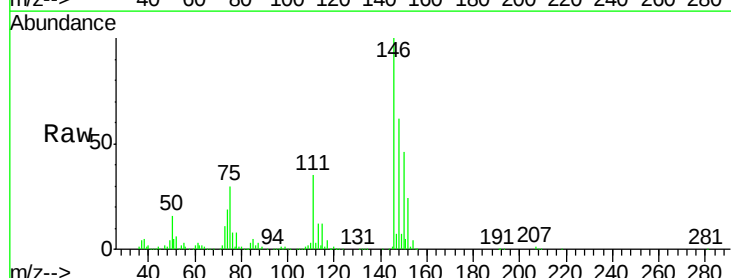
RT: 13.37 min Scan# 3663

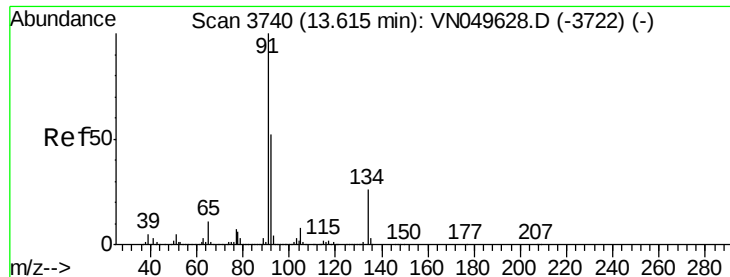
Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	146	Resp:	519765
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.5
148	63.3	32.1	96.3





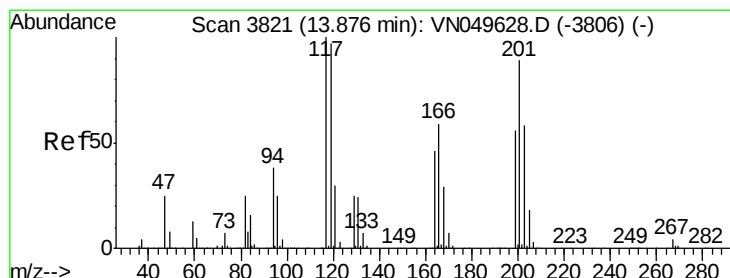
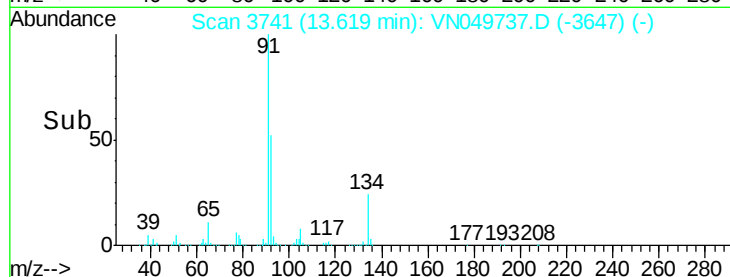
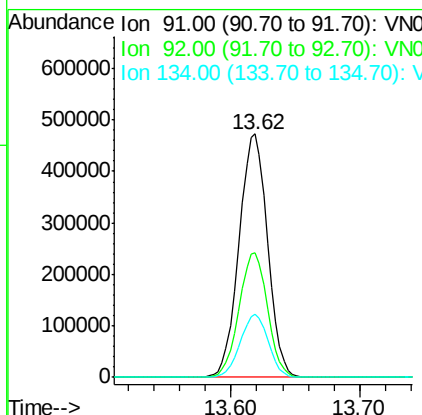
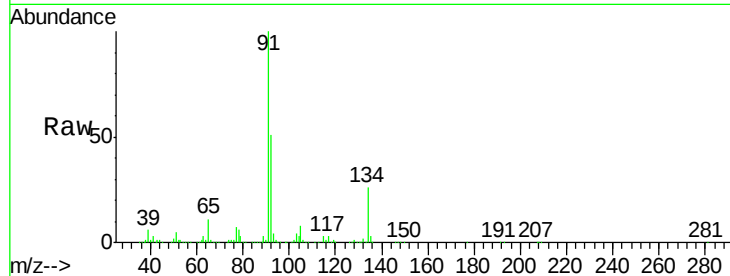
#89
n-Butylbenzene
Concen: 16.651 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	25.5	13.0	38.9

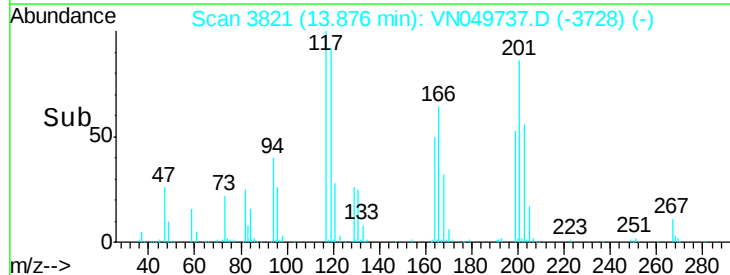
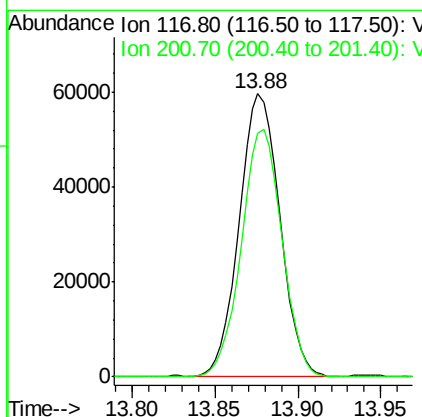
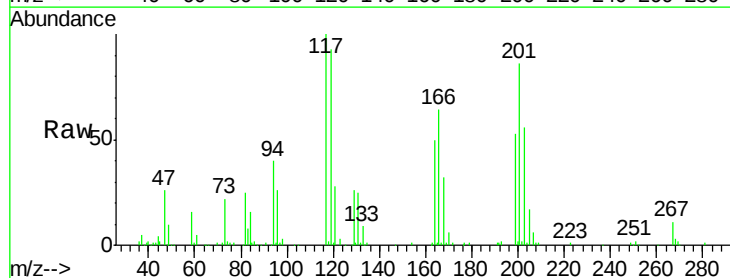
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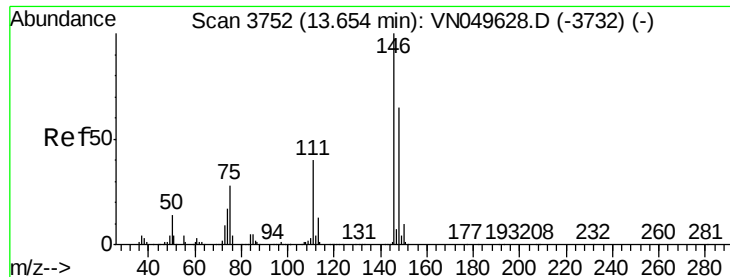
MMDadoda
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#90
Hexachloroethane
Concen: 19.136 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049737.D
Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	45.3	135.8





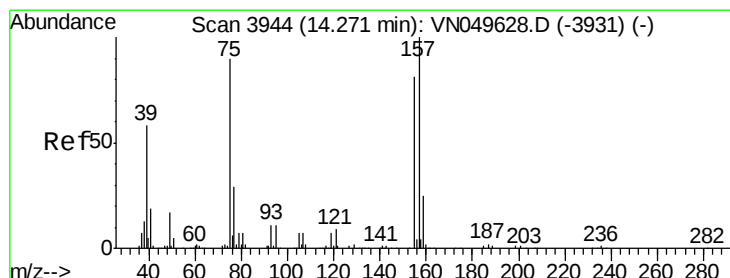
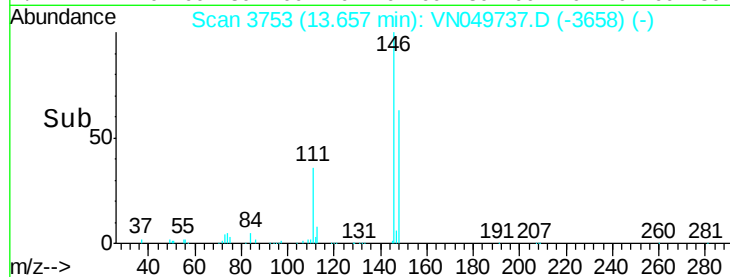
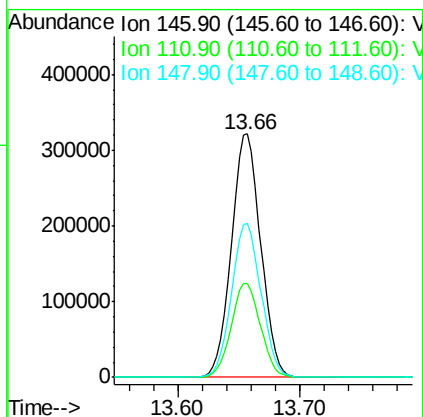
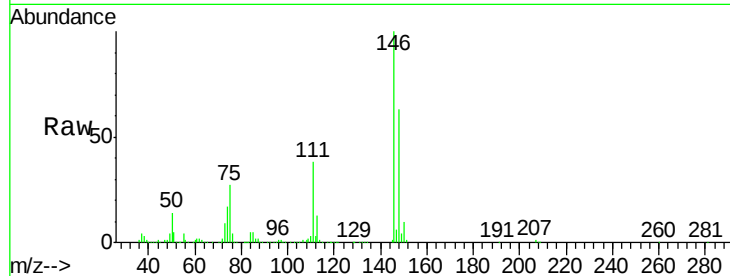
#91
 1,2-Dichlorobenzene
 Concen: 18.857 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	63.7	32.0	96.2

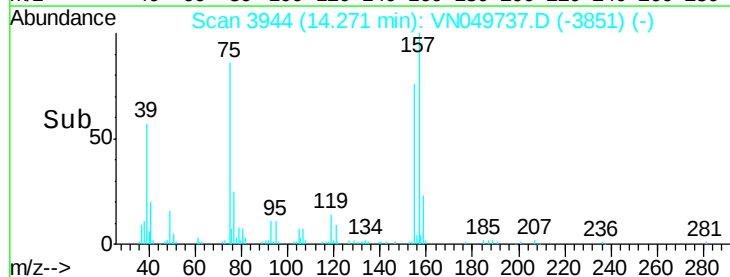
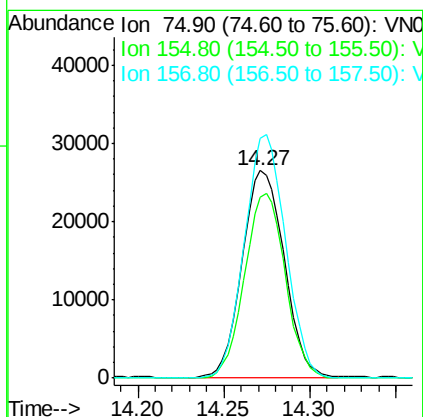
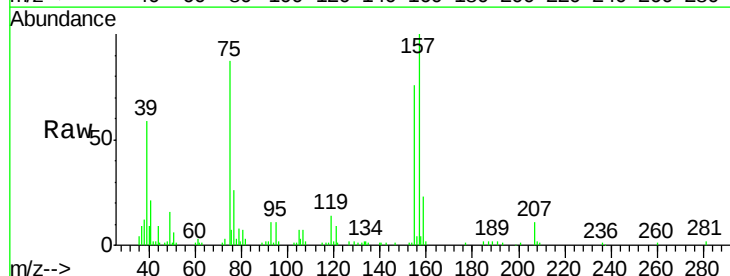
Manual Integrations
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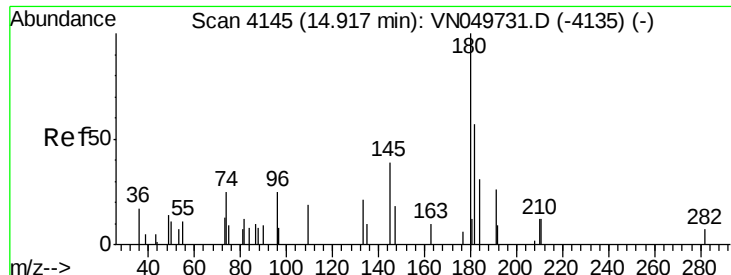
MMDadoda
 7/9/2018 6:00:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.308 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	45.7	137.1
157	114.2	56.9	170.7





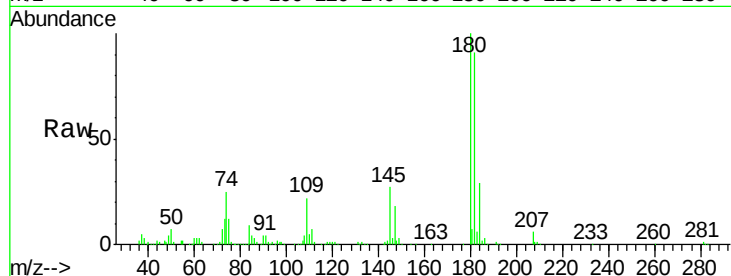
#93
 1,2,4-Trichlorobenzene
 Concen: 15.165 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBS01

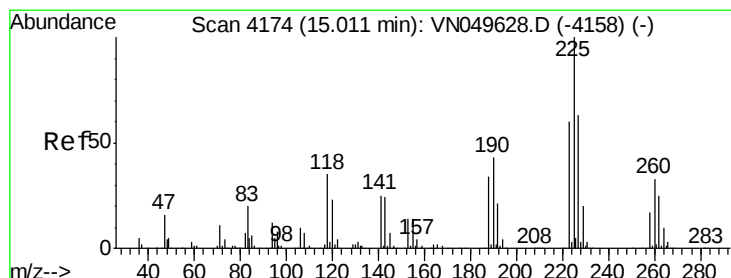
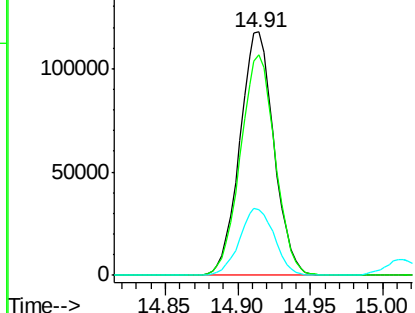
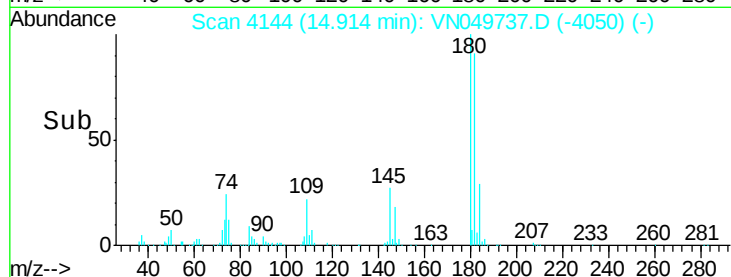
Tot Ion	Ratio	Resp	Lower	Upper
180	100	192534		
182	92.1	47.3	141.9	
145	27.9	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:31 PM

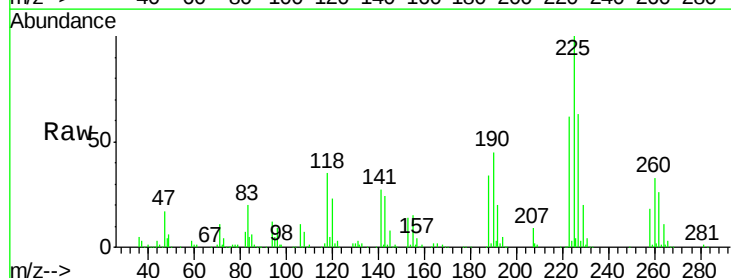


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

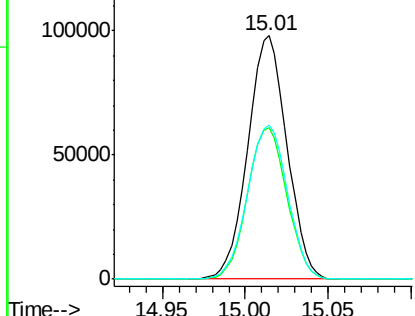
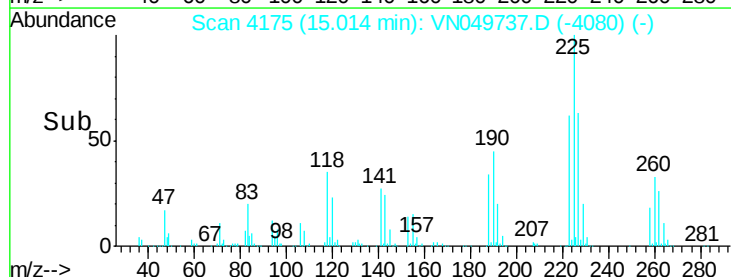


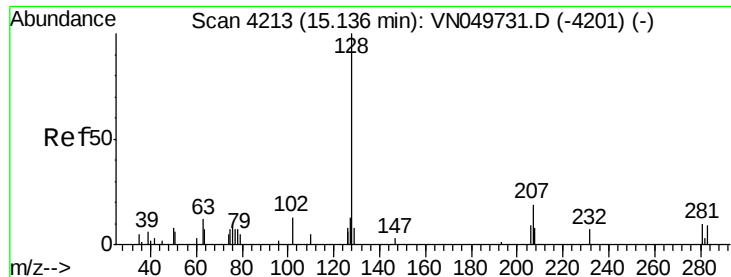
#94
 Hexachlorobutadiene
 Concen: 17.972 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049737.D
 Acq: 6 Jul 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160620		
223	62.8	30.9	92.7	
227	64.9	31.8	95.4	



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





#95

Naphthalene

Concen: 15.931 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Instrument :

MSVOA_N

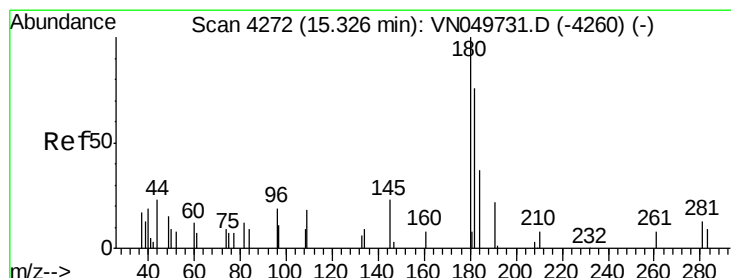
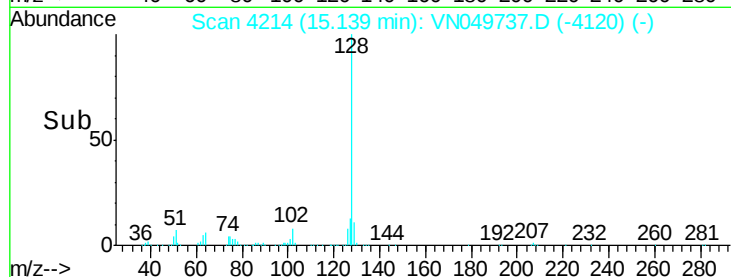
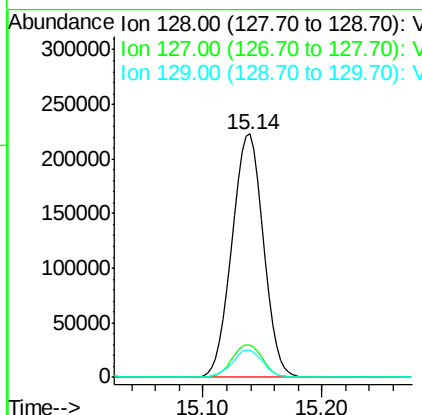
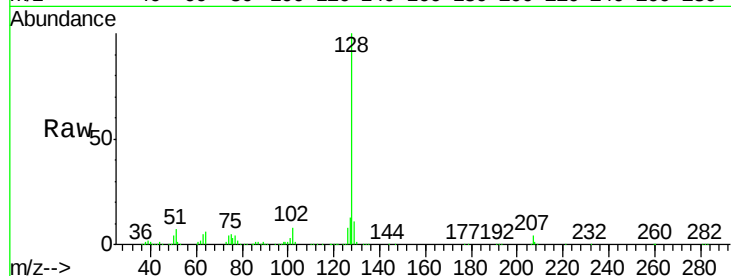
ClientSampled :

VN0706WBS01

Tot Ion:	128	Resp:	409496
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 6:00:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.076 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049737.D

Acq: 6 Jul 2018 14:28

Tgt Ion:	180	Resp:	203480
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.4	142.2
145	28.8	15.2	45.6

