

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	702148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1035623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	946954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	494601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437998	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	413918	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1589199	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	538560	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	373936	47.24	ug/l	98
3) Chloromethane	2.06	50	504366	52.31	ug/l	99
4) Vinyl Chloride	2.18	62	493145	46.90	ug/l	99
5) Bromomethane	2.56	94	285272	50.50	ug/l	99
6) Chloroethane	2.70	64	293324	50.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	638151	46.25	ug/l	99
8) Diethyl Ether	3.41	74	224668	48.95	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	388708	46.59	ug/l	100
10) Methyl Iodide	3.95	142	328274	54.60	ug/l	98
11) Tert butyl alcohol	4.79	59	125011	258.68	ug/l	99
12) 1,1-Dichloroethene	3.73	96	371844	48.81	ug/l	99
13) Acrolein	3.61	56	45060	244.51	ug/l	96
14) Allyl chloride	4.32	41	578719	48.83	ug/l	99
15) Acrylonitrile	4.99	53	658680	248.16	ug/l	99
16) Acetone	3.82	43	553246	250.35	ug/l	99
17) Carbon Disulfide	4.05	76	1176420	49.07	ug/l	100
18) Methyl Acetate	4.33	43	308243	49.58	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1002064	51.68	ug/l	100
20) Methylene Chloride	4.55	84	426359	50.70	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	403053	48.80	ug/l	99
22) Diisopropyl ether	5.96	45	1249114	51.41	ug/l	99
23) Vinyl Acetate	5.90	43	4176633	262.78	ug/l	99
24) 1,1-Dichloroethane	5.85	63	739868	47.06	ug/l	99
25) 2-Butanone	6.84	43	894288	246.44	ug/l	100
26) 2,2-Dichloropropane	6.83	77	469932	44.66	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	451069	49.04	ug/l	100
28) Bromochloromethane	7.20	49	344527	48.15	ug/l	100
29) Tetrahydrofuran	7.21	42	484310	255.61	ug/l	100
30) Chloroform	7.37	83	742711	46.62	ug/l	99
31) Cyclohexane	7.65	56	673218	50.18	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	633675	47.25	ug/l	99
36) 1,1-Dichloropropene	7.79	75	579428	50.26	ug/l	100
37) Ethyl Acetate	6.93	43	335251	51.45	ug/l	99
38) Carbon Tetrachloride	7.78	117	569529	47.62	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627297	52.56	ug/l	100
40) Benzene	8.04	78	1730518	49.34	ug/l	99
41) Methacrylonitrile	7.18	41	186821	53.03	ug/l	97
42) 1,2-Dichloroethane	8.13	62	520078	48.38	ug/l	100
43) Isopropyl Acetate	8.17	43	591132	49.78	ug/l #	86
44) Trichloroethene	8.84	130	456509	48.59	ug/l	100
45) 1,2-Dichloropropane	9.12	63	452362	48.45	ug/l	100
46) Dibromomethane	9.21	93	264003	47.89	ug/l	97
47) Bromodichloromethane	9.40	83	565049	47.95	ug/l	100
48) Methyl methacrylate	9.20	41	295266	49.41	ug/l	99
49) 1,4-Dioxane	9.20	88	79565	1010.71	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2050752	255.33	ug/l	99
52) Toluene	10.16	92	1071866	51.19	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	565614	51.53	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	651132	51.71	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	378523	48.39	ug/l	99
56) Ethyl methacrylate	10.43	69	482801	48.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	636170	49.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1157623	242.50	ug/l	100
59) 2-Hexanone	10.75	43	1355784	261.54	ug/l	99
60) Dibromochloromethane	10.90	129	435527	50.44	ug/l	99
61) 1,2-Dibromoethane	11.01	107	378743	50.84	ug/l	100
64) Tetrachloroethene	10.63	164	420402	47.80	ug/l	98
65) Chlorobenzene	11.44	112	1178712	50.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	431324	48.82	ug/l	99
67) Ethyl Benzene	11.51	91	2025829	53.24	ug/l	100
68) m/p-Xylenes	11.62	106	1560505	107.22	ug/l	100
69) o-Xylene	11.95	106	749157	53.98	ug/l	100
70) Styrene	11.96	104	1240103	50.24	ug/l	99
71) Bromoform	12.13	173	298040	50.88	ug/l #	99
73) Isopropylbenzene	12.25	105	1988649	51.46	ug/l	100
74) N-amyl acetate	12.07	43	519294	51.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	463732	51.77	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	410980m	51.46	ug/l	
77) Bromobenzene	12.53	156	507821	48.40	ug/l	99
78) n-propylbenzene	12.59	91	2258868	52.42	ug/l	99
79) 2-Chlorotoluene	12.68	91	1348415	50.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1617221	52.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	111316	50.04	ug/l	98
82) 4-Chlorotoluene	12.77	91	1373986	51.75	ug/l	99
83) tert-Butylbenzene	12.99	119	1396484	52.00	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1660794	53.48	ug/l	100
85) sec-Butylbenzene	13.17	105	1837115	52.34	ug/l	99
86) p-Isopropyltoluene	13.29	119	1612075	54.21	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	892654	49.98	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	871943	49.19	ug/l	99
89) n-Butylbenzene	13.62	91	1289745	53.71	ug/l	99
90) Hexachloroethane	13.88	117	284856	47.63	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	849220	48.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66936	48.55	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	451997	50.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	260811	48.82	ug/l	99
95) Naphthalene	15.13	128	974862	51.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	431257	51.56	ug/l	99

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

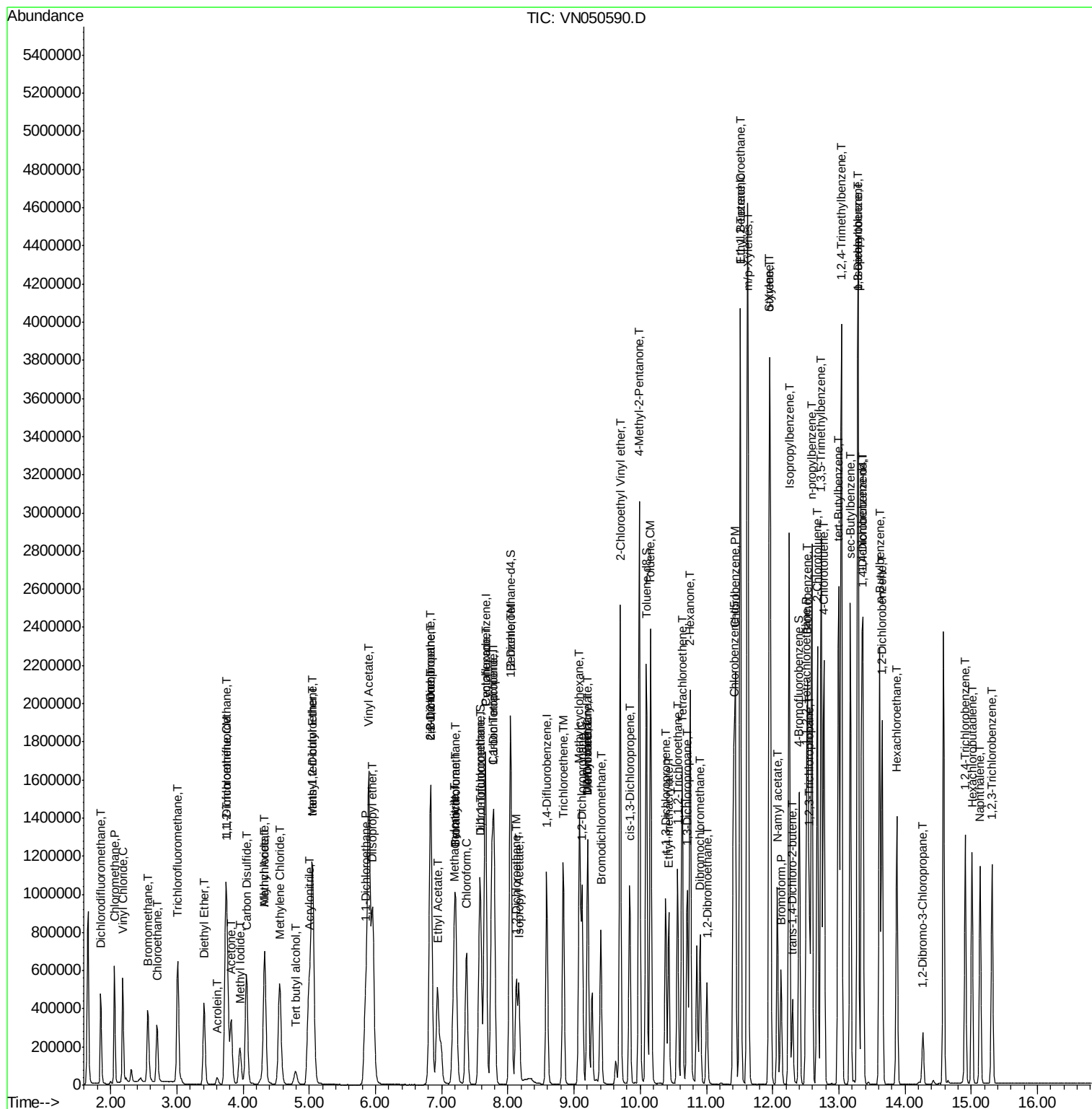
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
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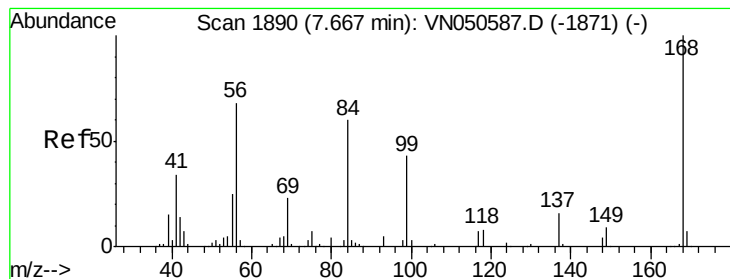
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion:168 Resp: 702148

Ion Ratio Lower Upper

168 100

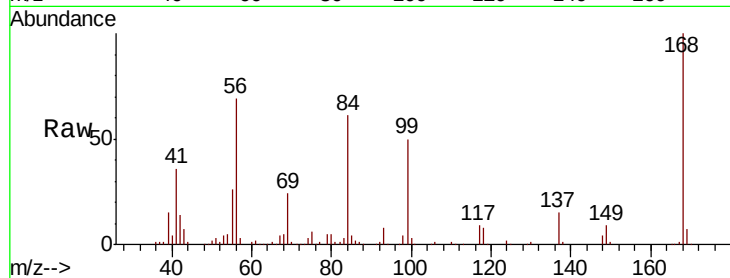
99 50.2 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

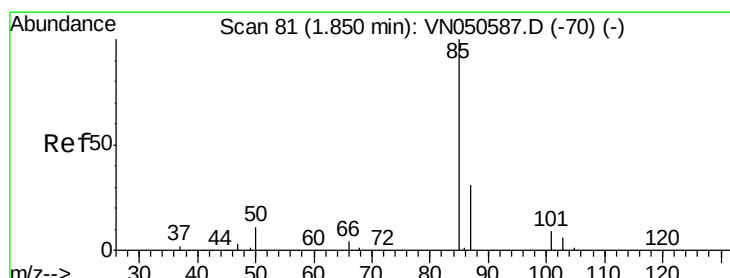
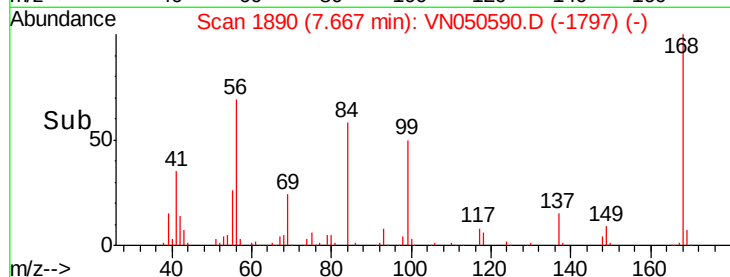
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.24 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050590.D

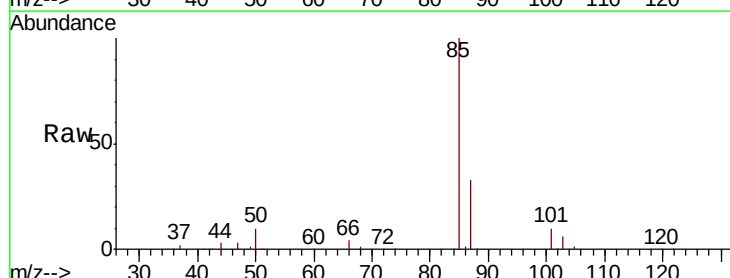
Acq: 14 Aug 2018 2:13

Tgt Ion: 85 Resp: 373936

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

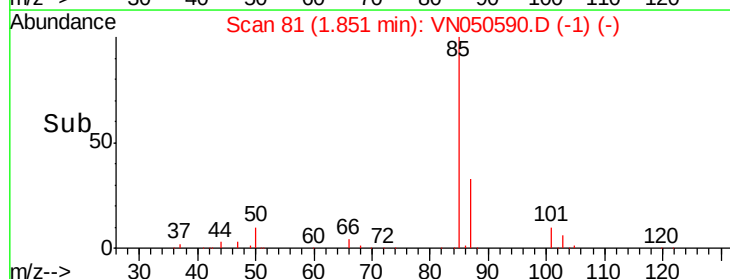
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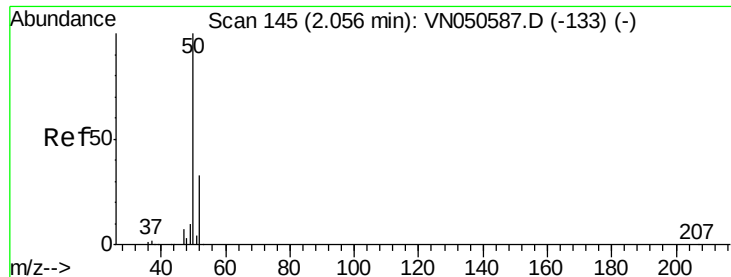
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.31 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion: 50 Resp: 504366

Ion Ratio Lower Upper

50 100

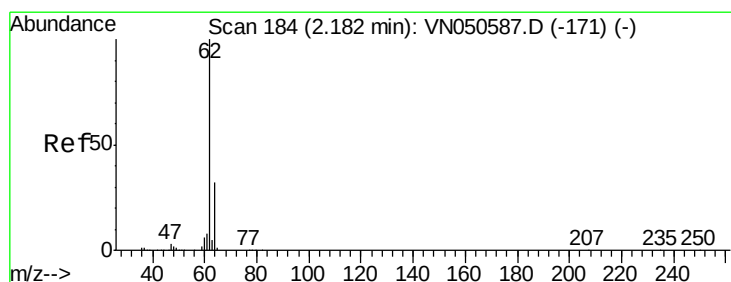
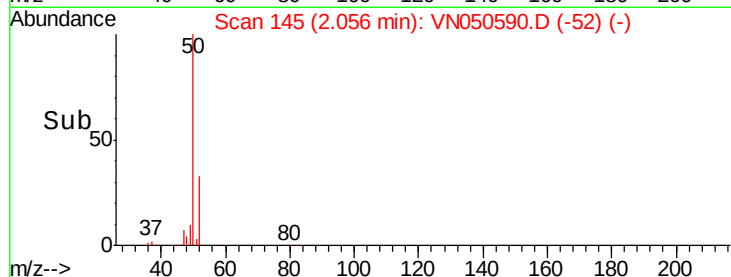
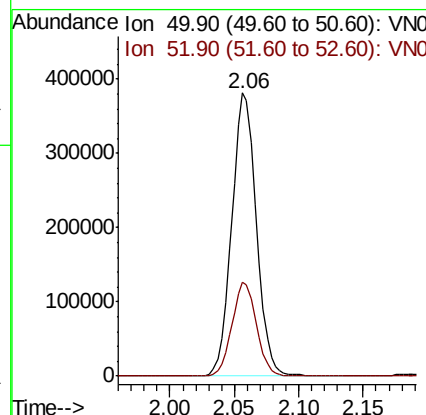
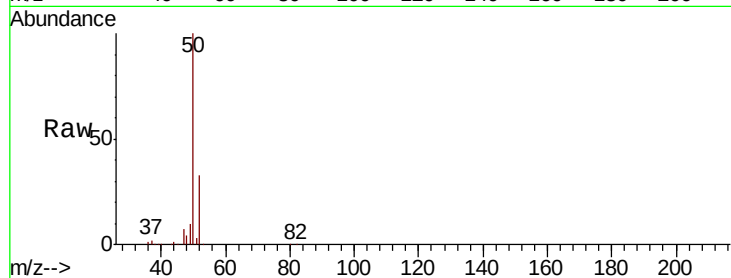
52 33.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.90 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050590.D

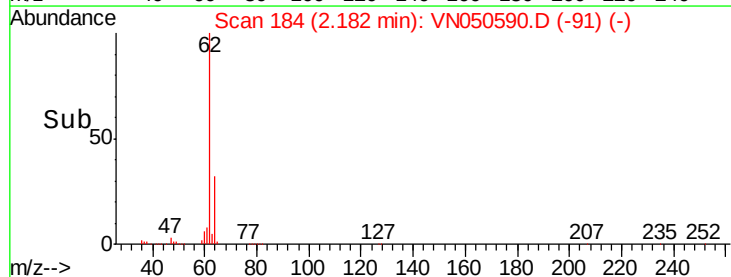
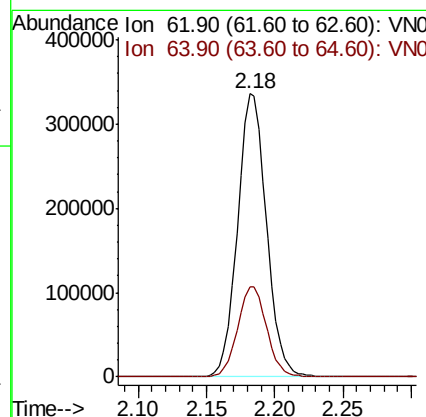
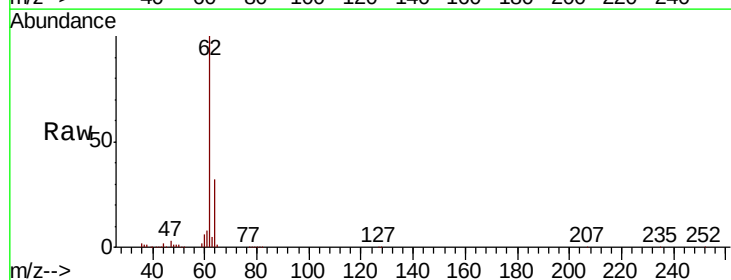
Acq: 14 Aug 2018 2:13

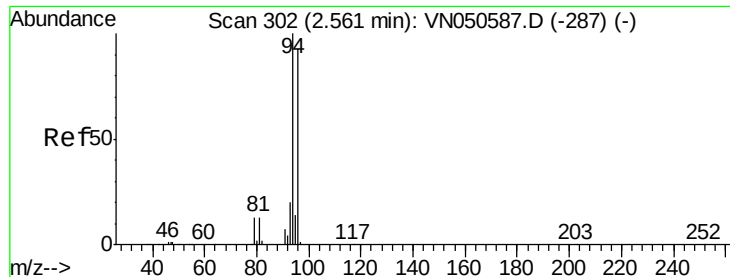
Tgt Ion: 62 Resp: 493145

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 50.50 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

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ClientSampleId :

ICV081418

Tot Ion: 94 Resp: 285272

Ion Ratio Lower Upper

94 100

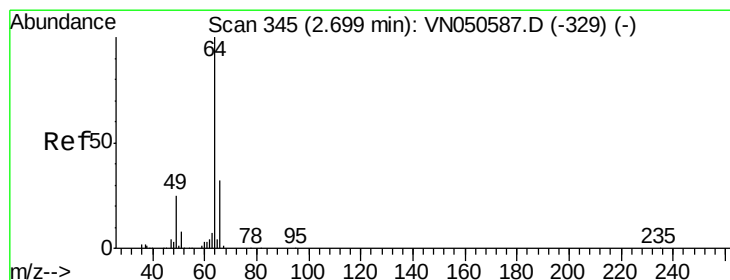
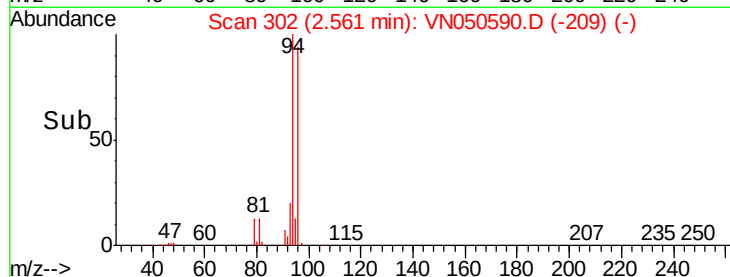
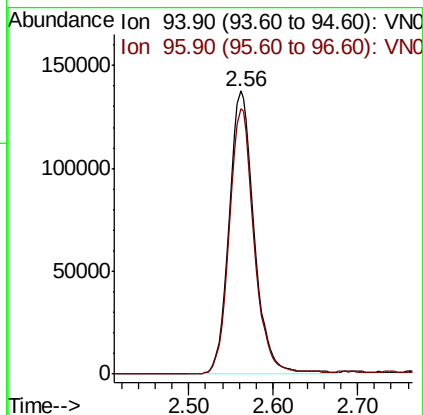
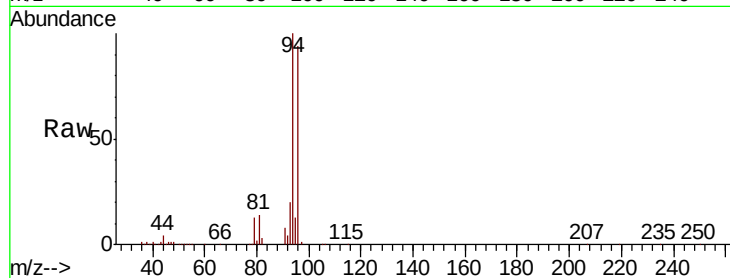
96 93.8 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 50.20 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050590.D

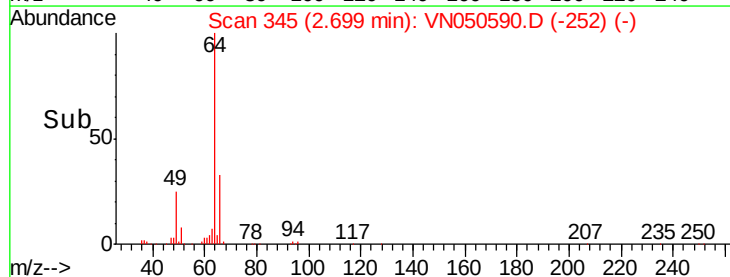
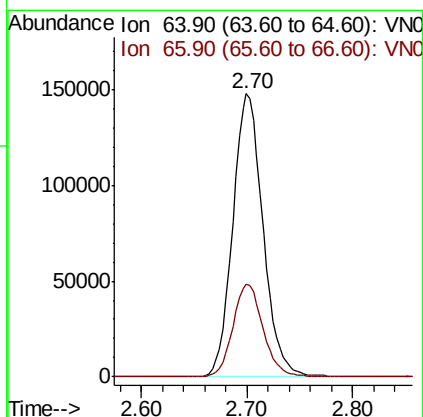
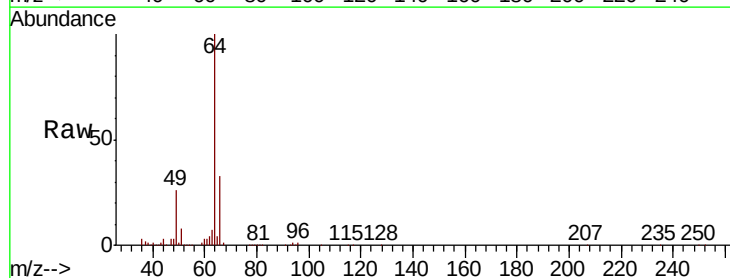
Acq: 14 Aug 2018 2:13

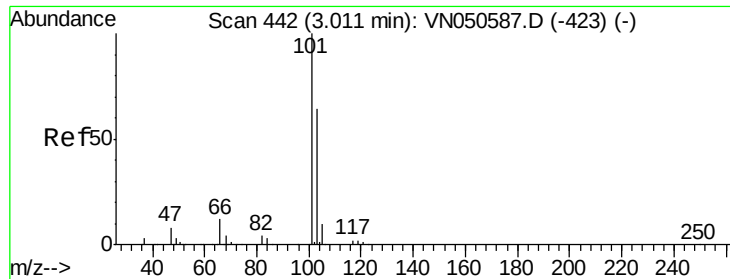
Tgt Ion: 64 Resp: 293324

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5





#7

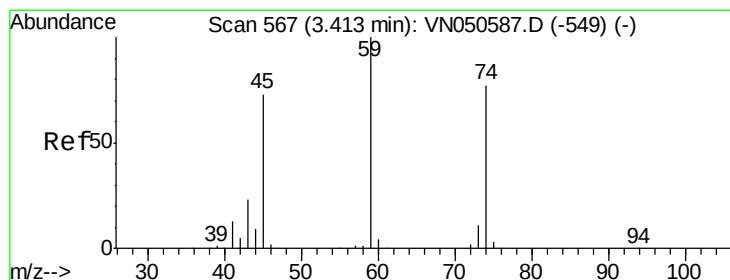
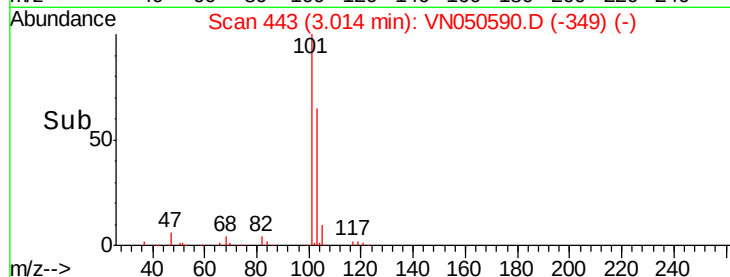
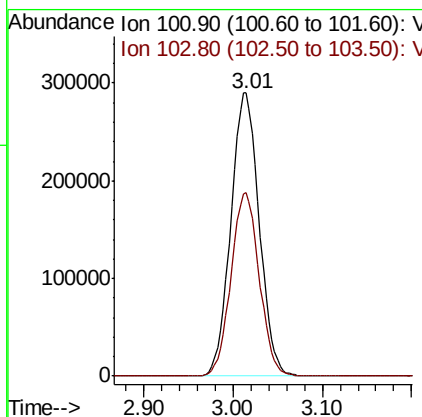
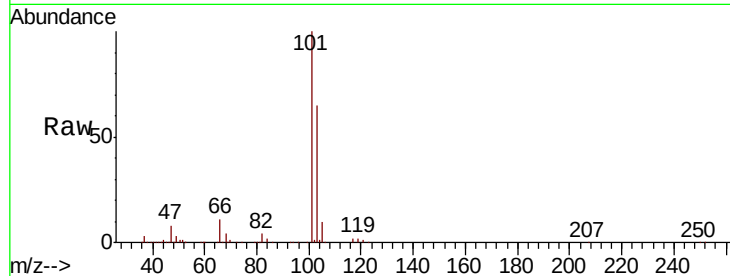
Trichlorofluoromethane
 Concen: 46.25 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.0

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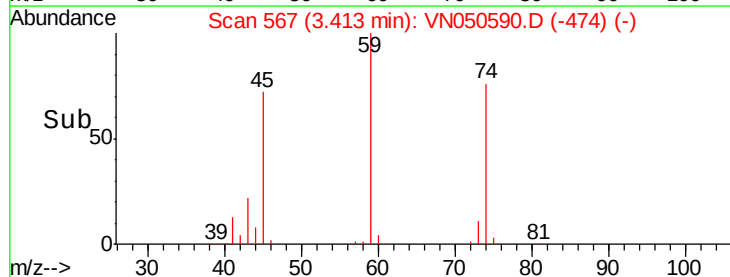
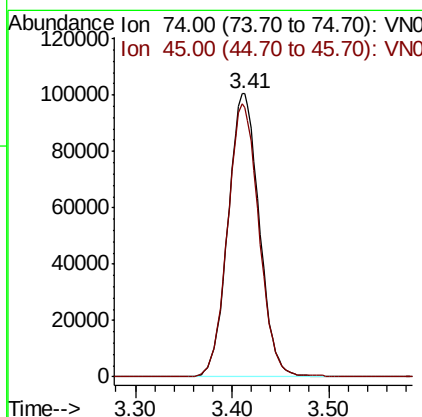
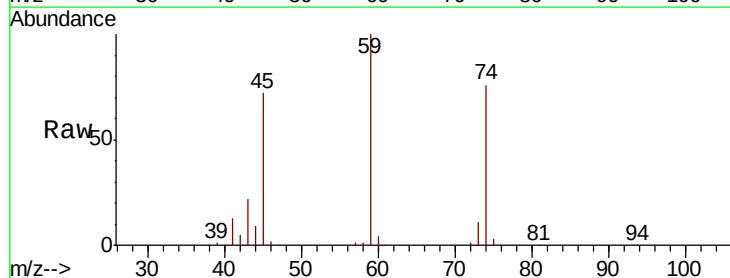
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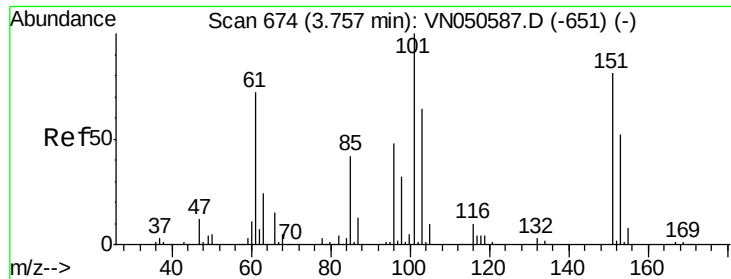


#8

Diethyl Ether
 Concen: 48.95 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	48.0	144.2





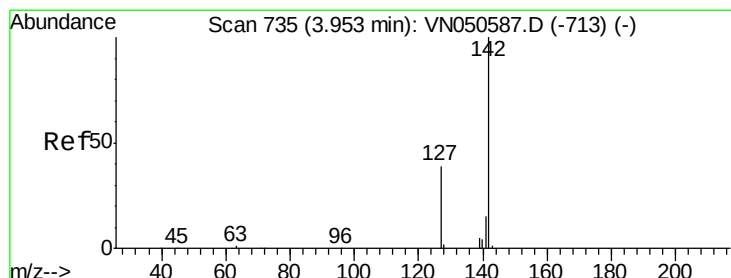
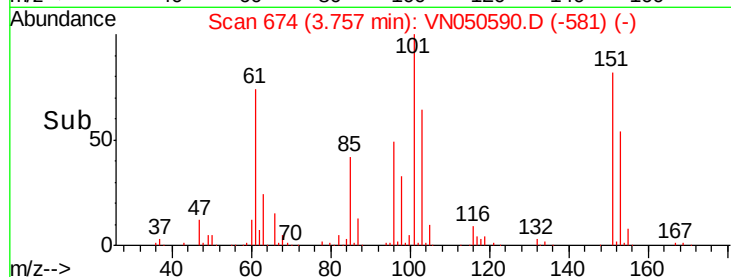
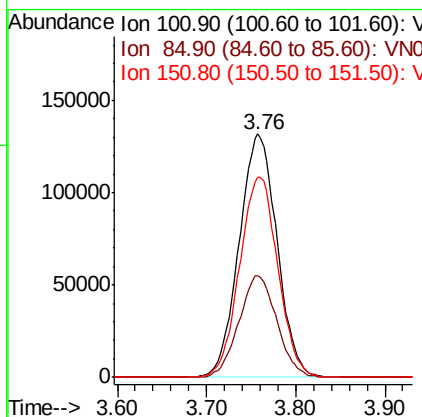
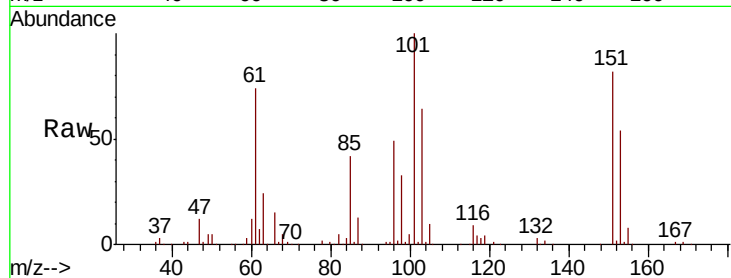
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.59 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Tot Ion	Ratio	Resp	Lower	Upper
101	100	388708		
85	41.8	33.4	50.0	
151	83.1	66.6	100.0	

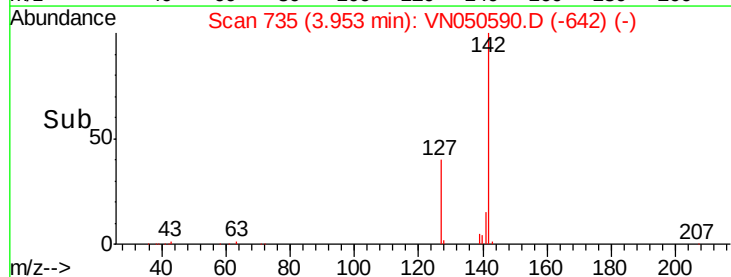
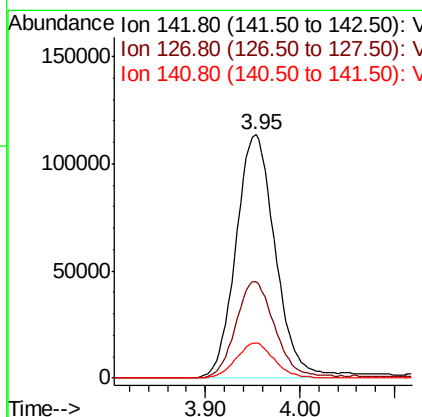
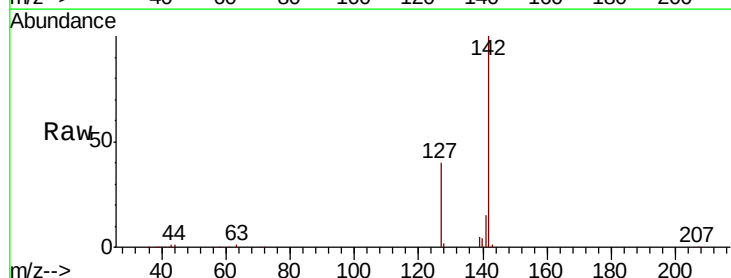
Manual Integrations
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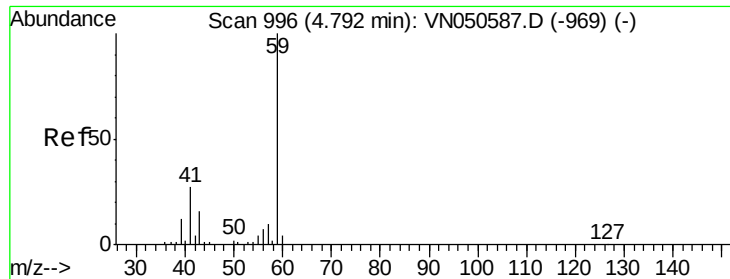
MMDadoda
 8/15/2018 3:21:52 PM



#10
 Methyl Iodide
 Concen: 54.60 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	328274		
127	39.6	32.6	49.0	
141	14.0	11.5	17.3	





#11

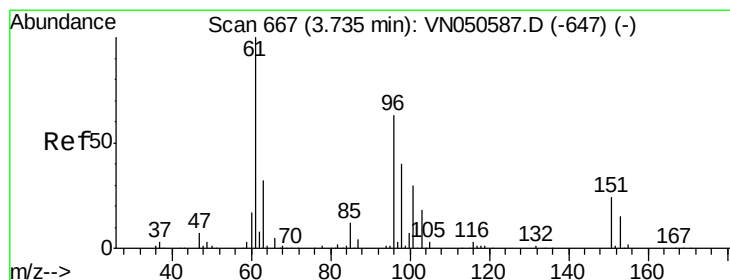
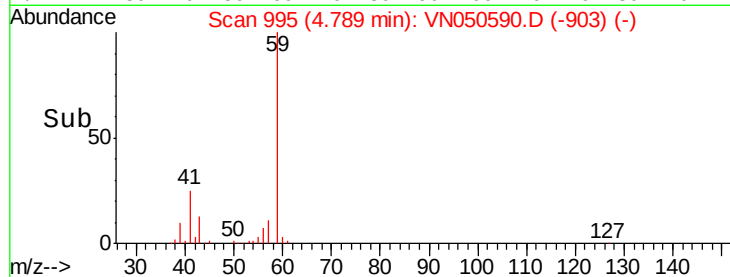
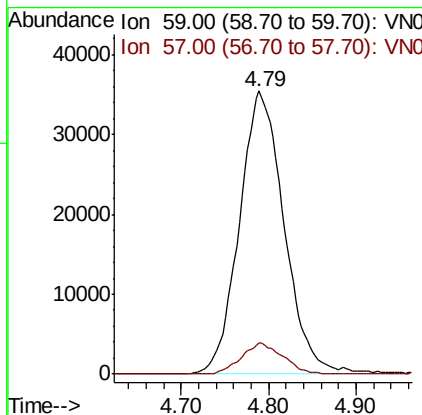
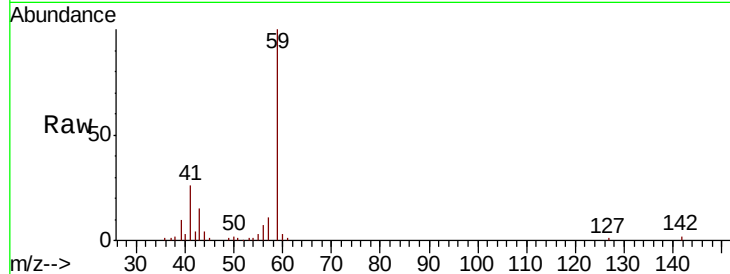
Tert butyl alcohol
Concen: 258.68 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	59	Resp	125011
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

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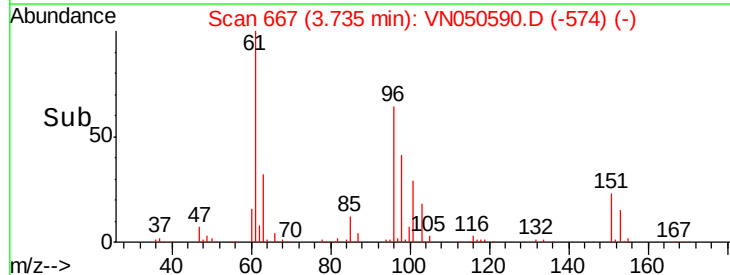
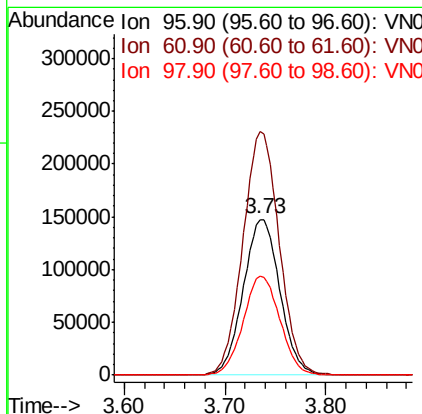
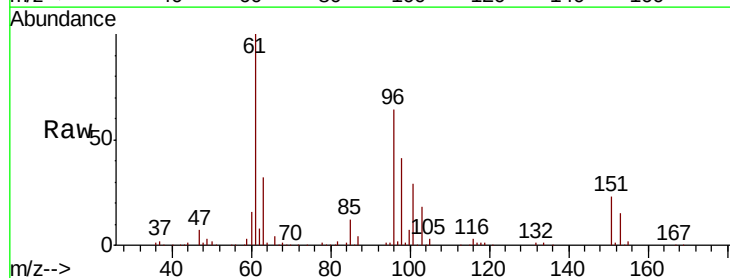
MMDadoda
8/15/2018 3:21:52 PM

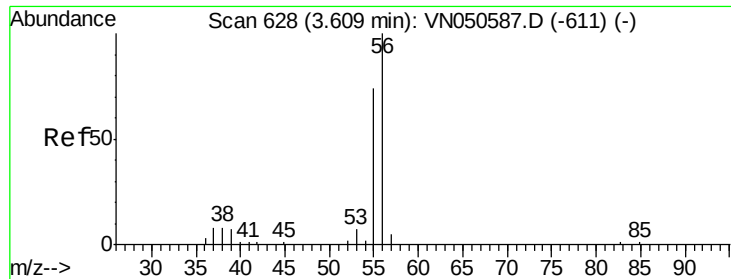


#12

1,1-Dichloroethene
Concen: 48.81 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	96	Resp	371844
Ion Ratio	100	Lower	Upper
61	156.7	126.9	190.3
98	63.9	51.1	76.7





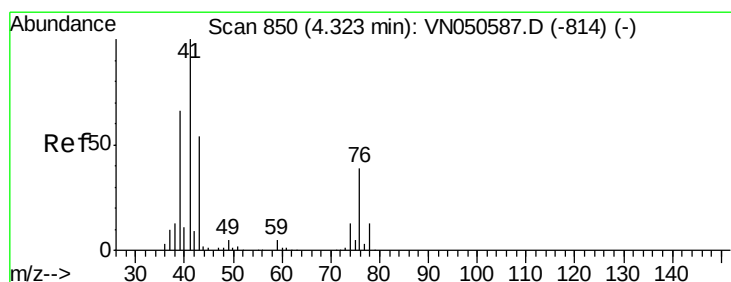
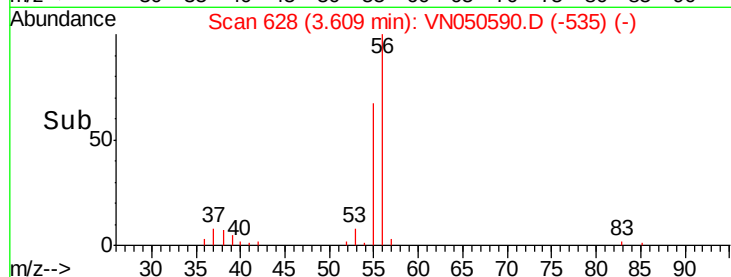
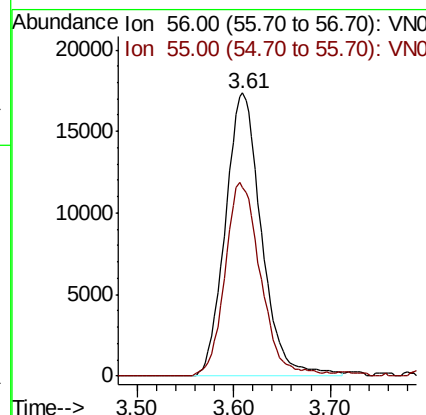
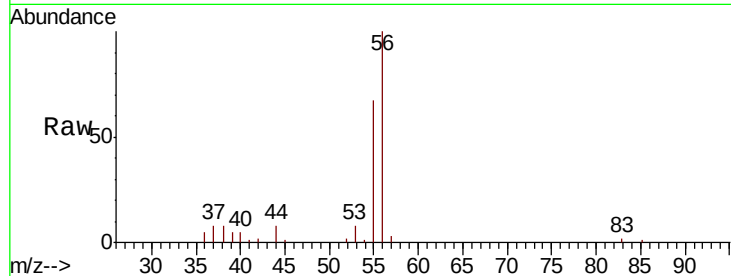
#13
Acrolein
Concen: 244.51 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	56	55	Resp	Lower	Upper
45060	100	67.4		56.3	84.5

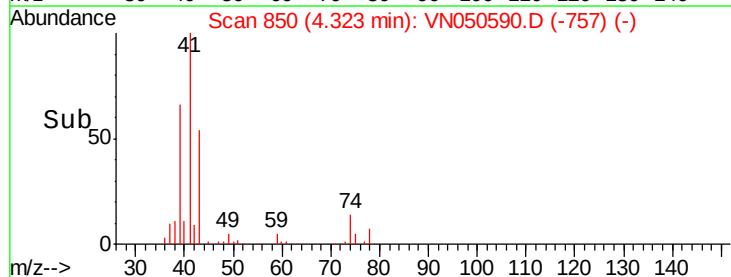
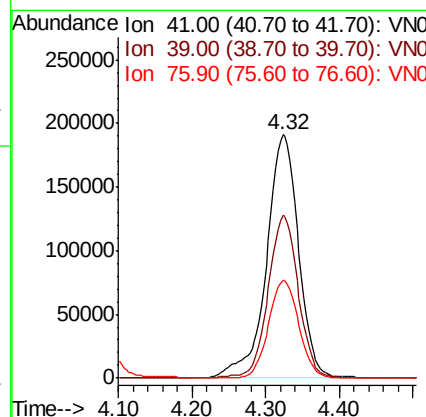
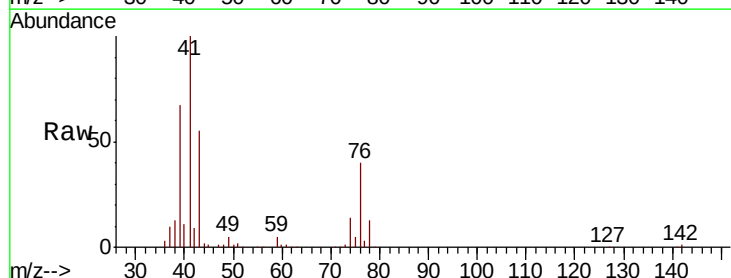
Manual Integrations
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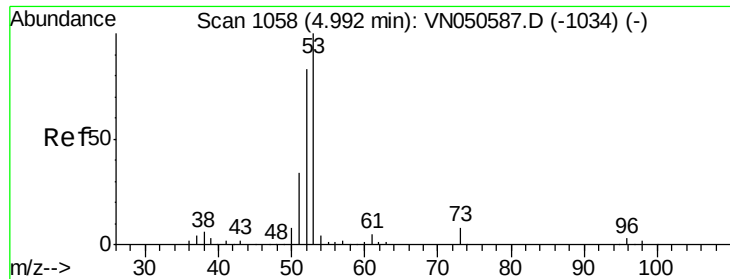
MMDadoda
8/15/2018 3:21:52 PM



#14
Allyl chloride
Concen: 48.83 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	41	39	76	Resp	Lower	Upper
578719	100	63.2	37.6		51.4	77.0





#15

Acrylonitrile

Concen: 248.16 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

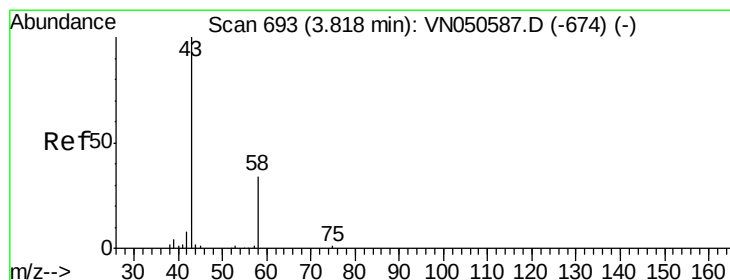
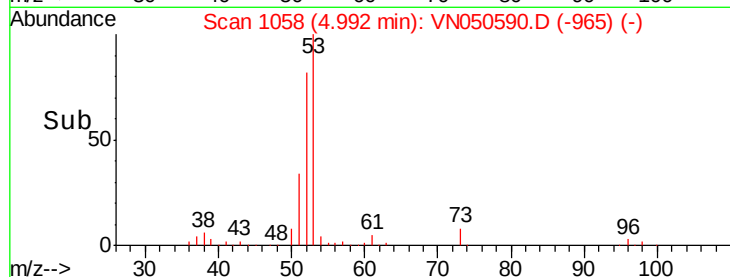
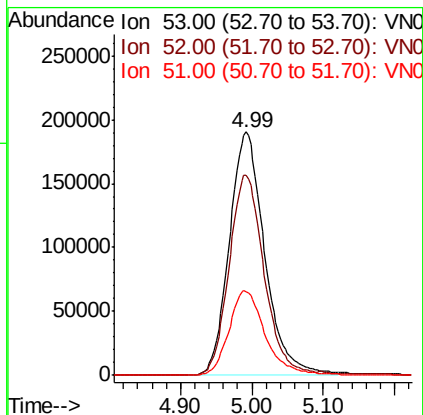
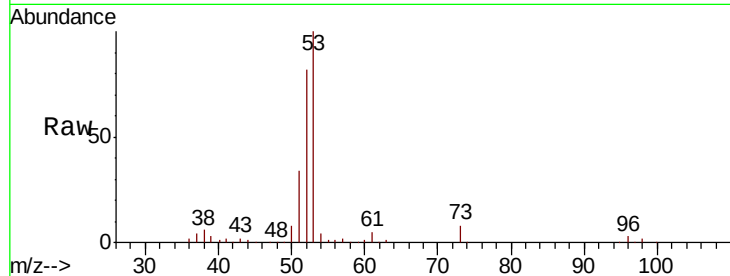
ClientSampleId :

ICVVN081418

Tot Ion:	53	Resp:	658680
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 250.35 ug/l

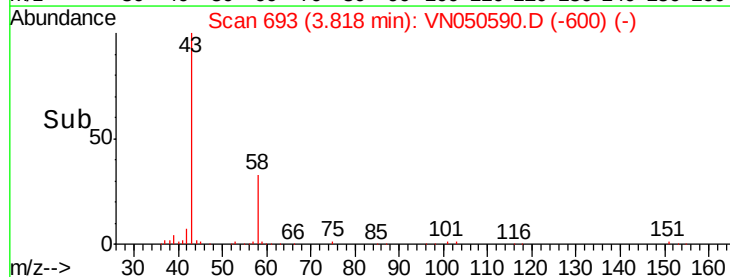
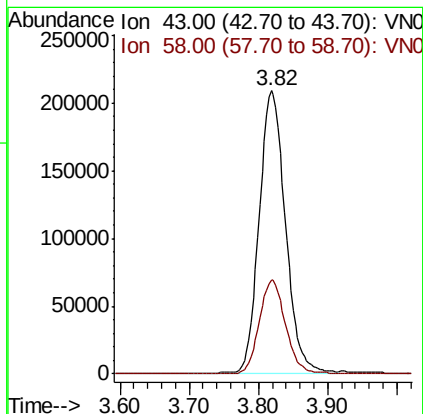
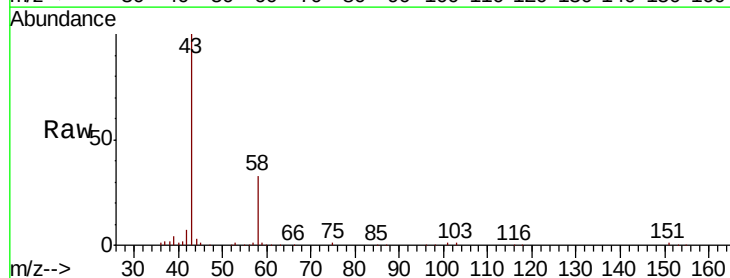
RT: 3.82 min Scan# 693

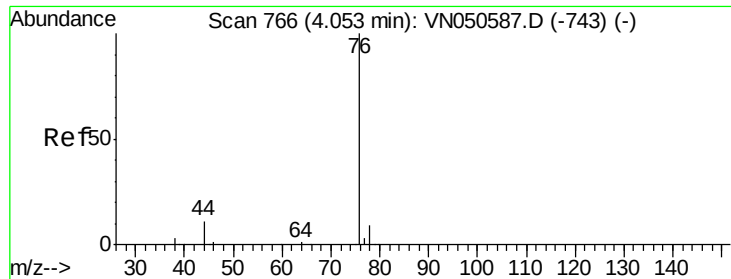
Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion:	43	Resp:	553246
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.1	40.7





#17

Carbon Disulfide

Concen: 49.07 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion: 76 Resp: 1176420

Ion Ratio Lower Upper

76 100

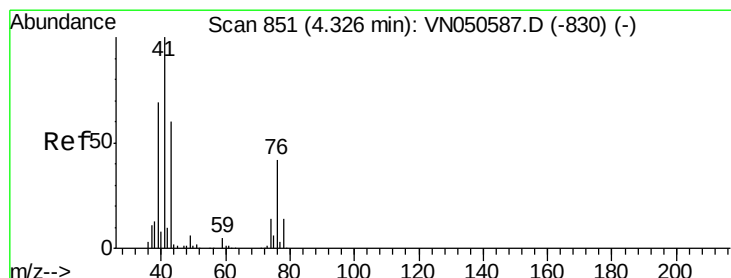
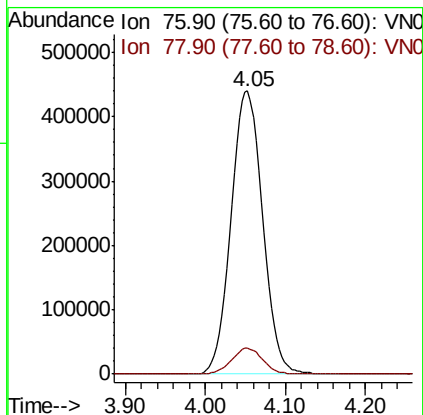
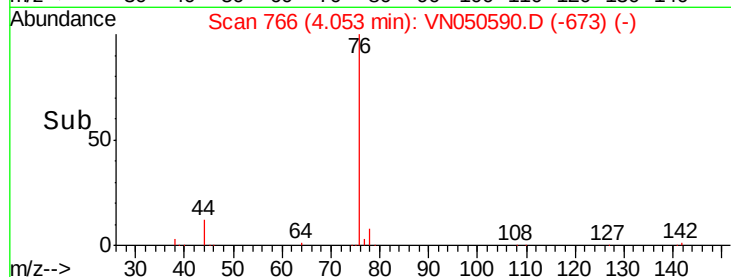
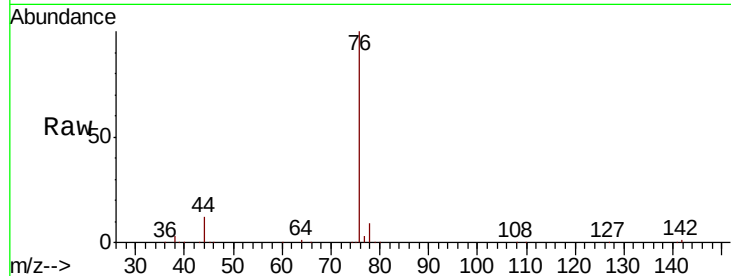
78 9.0 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 49.58 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050590.D

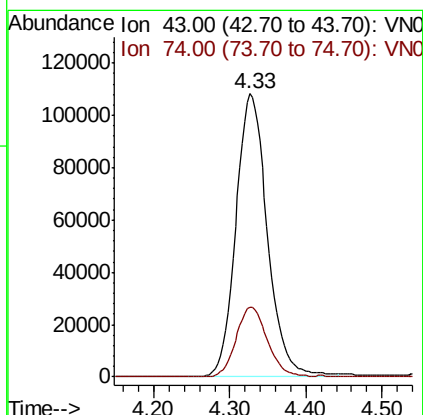
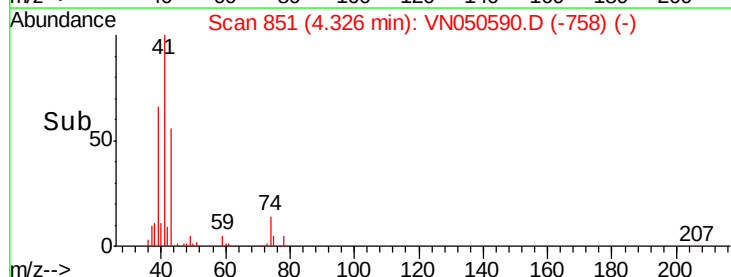
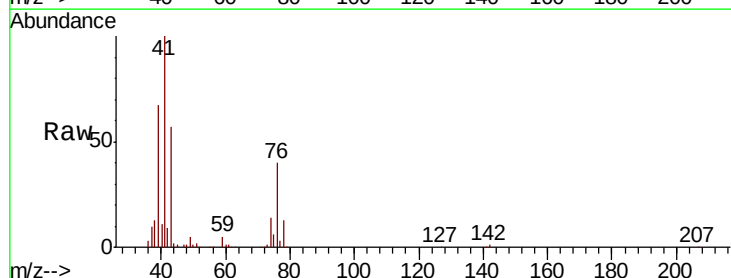
Acq: 14 Aug 2018 2:13

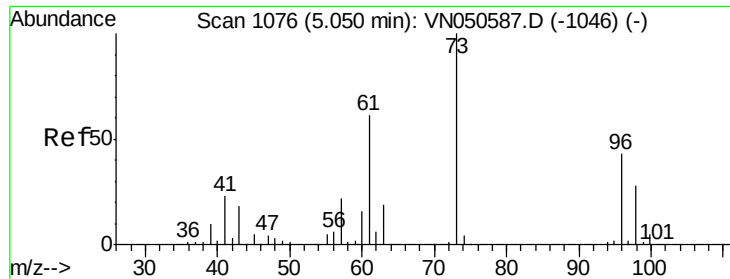
Tgt Ion: 43 Resp: 308243

Ion Ratio Lower Upper

43 100

74 24.8 19.7 29.5





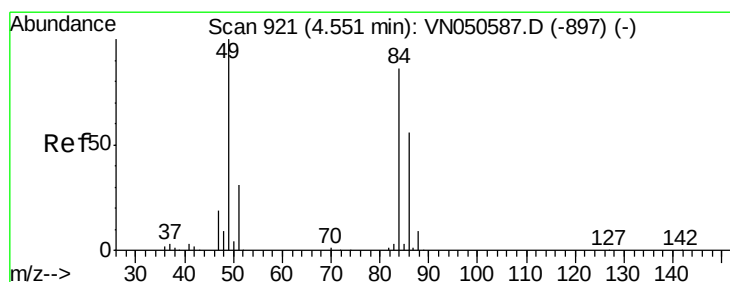
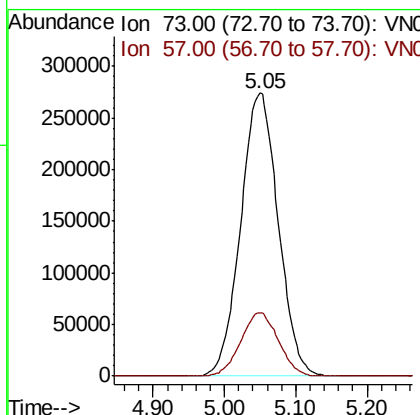
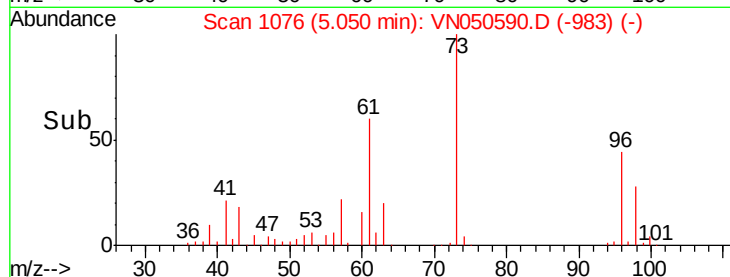
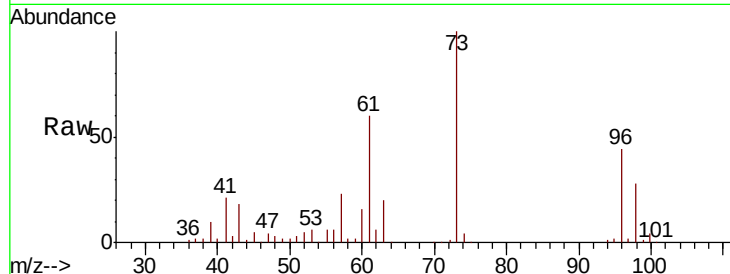
#19
Methvl tert-butvl Ether
Concen: 51.68 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion: 73 Resp: 1002064
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

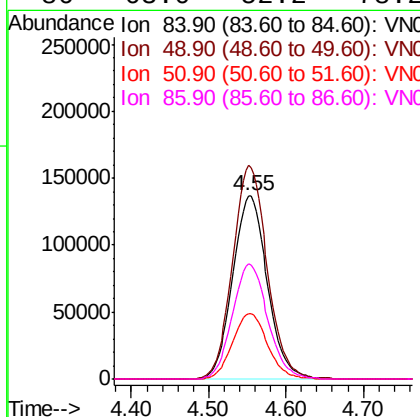
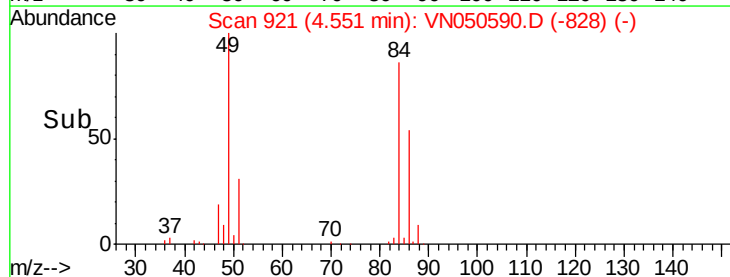
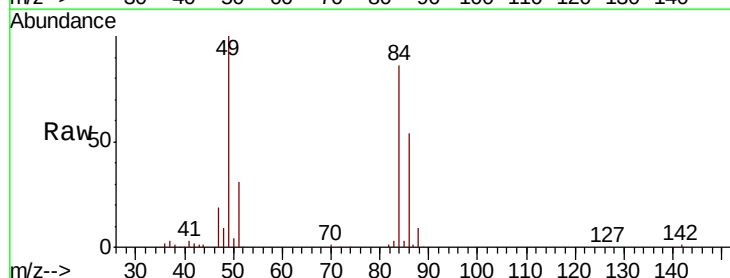
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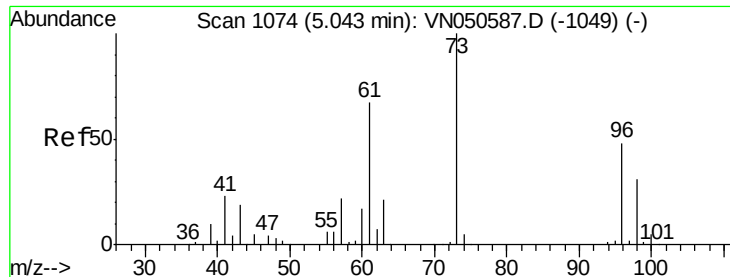
MMDadoda
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#20
Methylene Chloride
Concen: 50.70 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion: 84 Resp: 426359
Ion Ratio Lower Upper
84 100
49 116.3 92.6 138.8
51 35.5 28.6 43.0
86 63.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.80 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

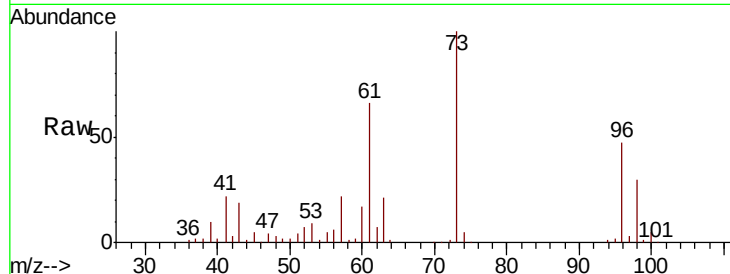
ClientSampleId :

ICVVN081418

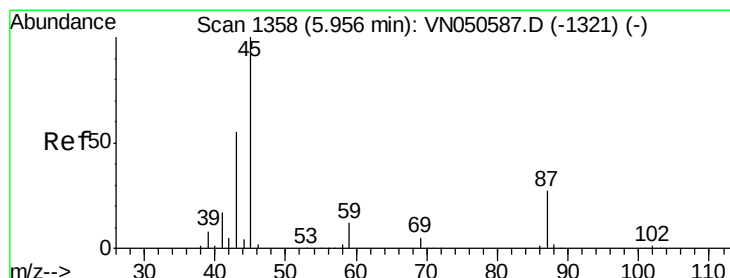
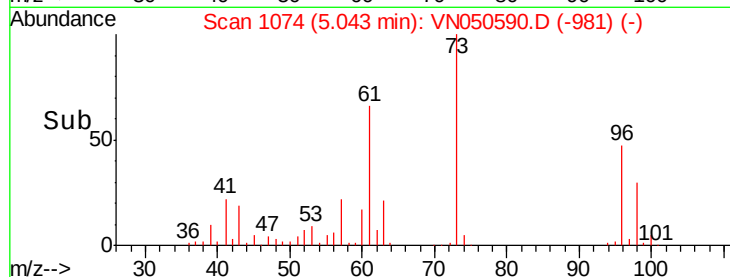
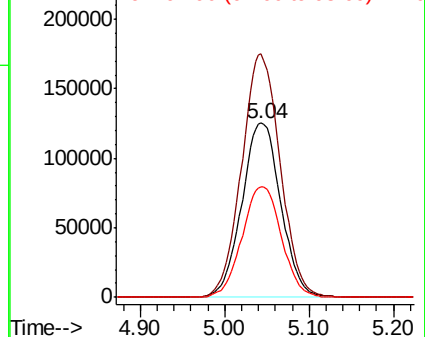
Tot Ion:	96	Resp:	403053
Ion	Ratio	Lower	Upper
96	100		
61	139.9	111.2	166.8
98	63.7	51.6	77.4

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.41 ug/l

RT: 5.96 min Scan# 1358

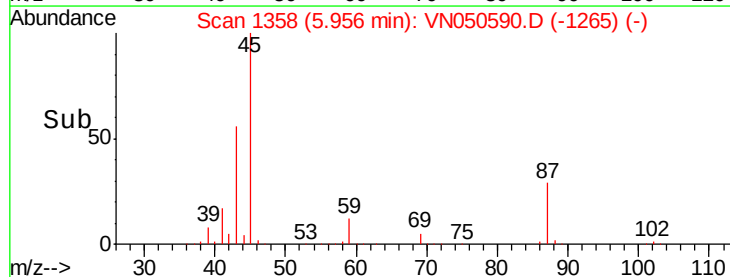
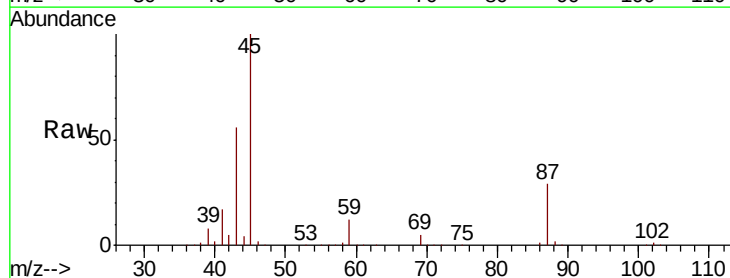
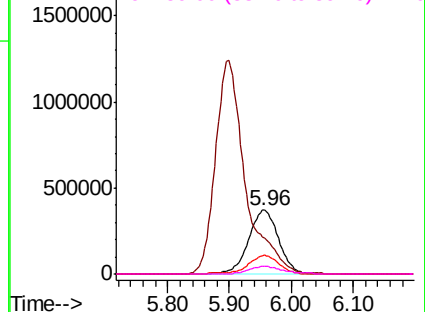
Delta R.T. 0.00 min

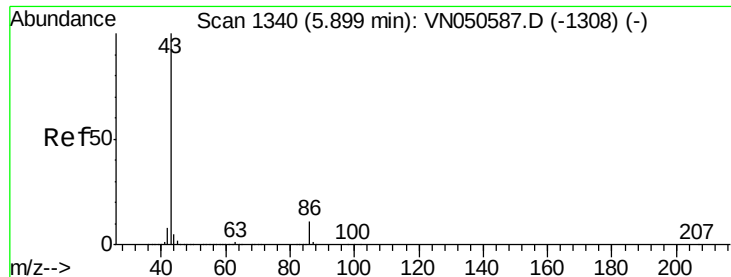
Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion:	45	Resp:	1249114
Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.5	66.7
87	29.0	22.2	33.2
59	11.9	9.5	14.3

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 262.78 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion: 43 Resp: 4176633

Ion Ratio Lower Upper

43 100

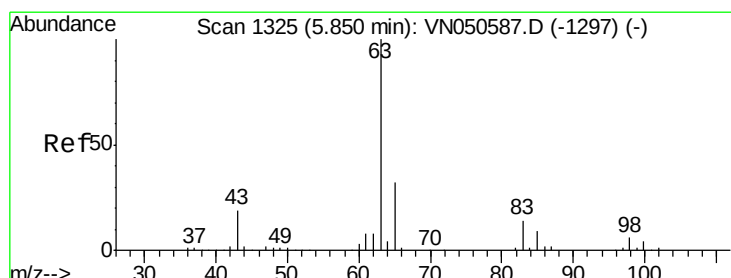
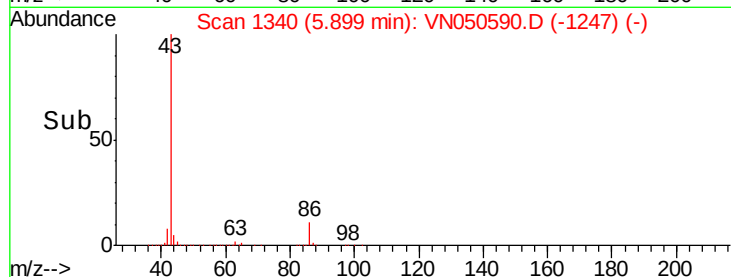
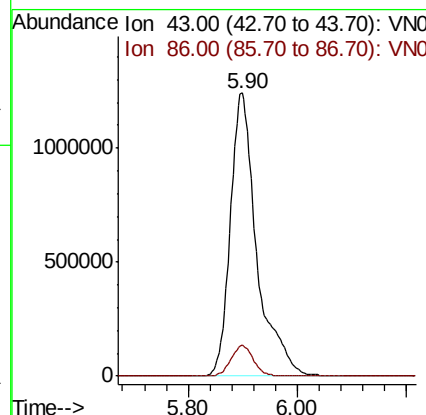
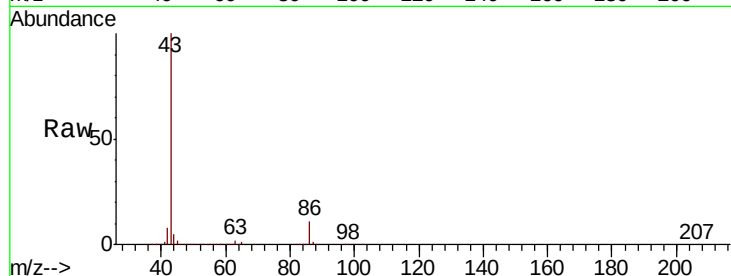
86 10.8 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.06 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

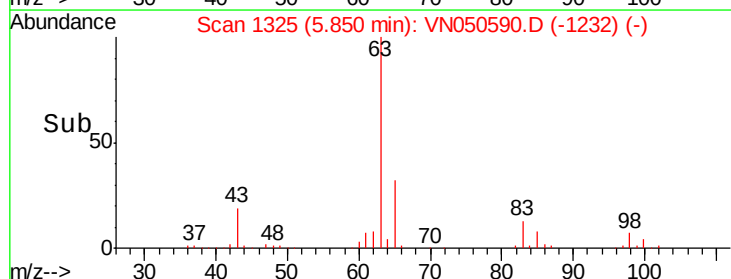
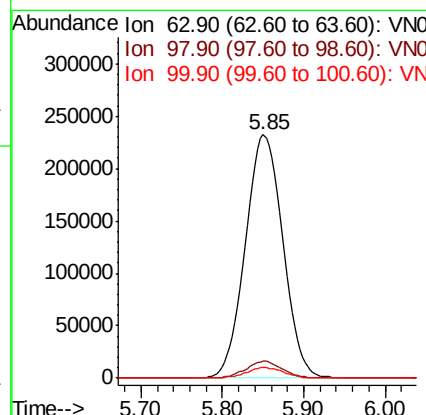
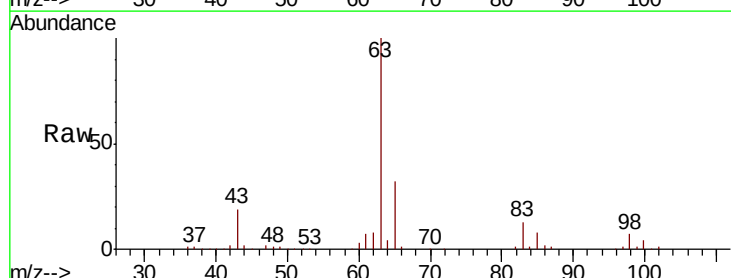
Tgt Ion: 63 Resp: 739868

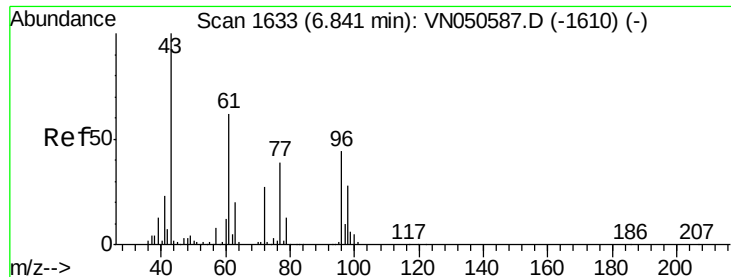
Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 246.44 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampled :

ICVVN081418

Tot Ion: 43 Resp: 894288

Ion Ratio Lower Upper

43 100

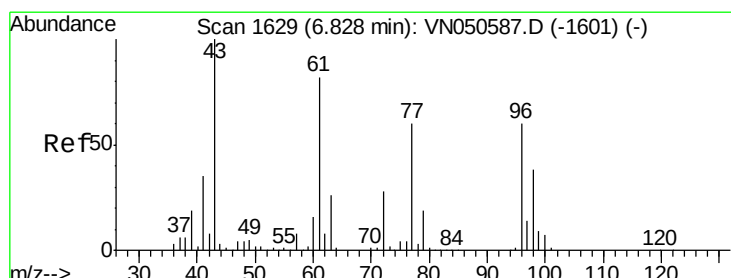
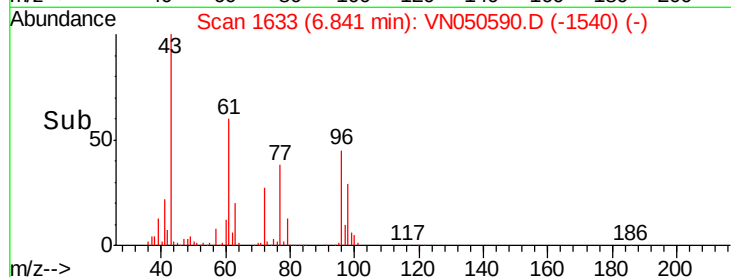
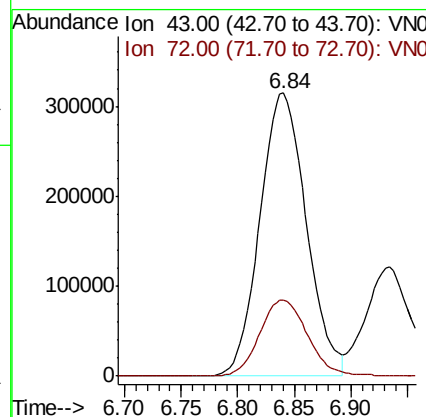
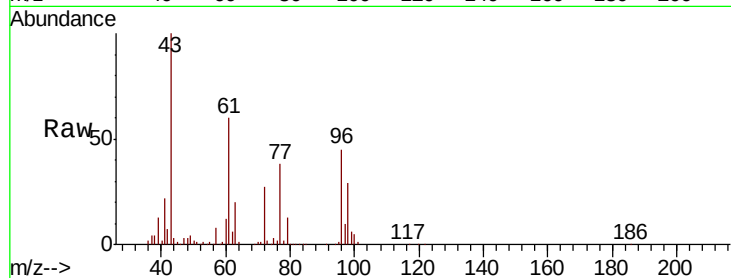
72 27.0 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.66 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050590.D

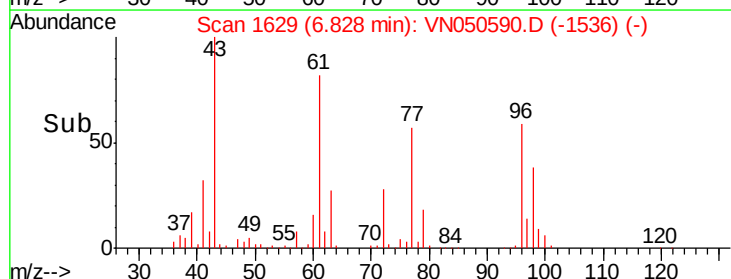
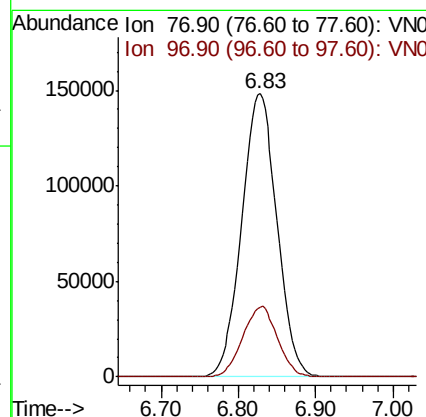
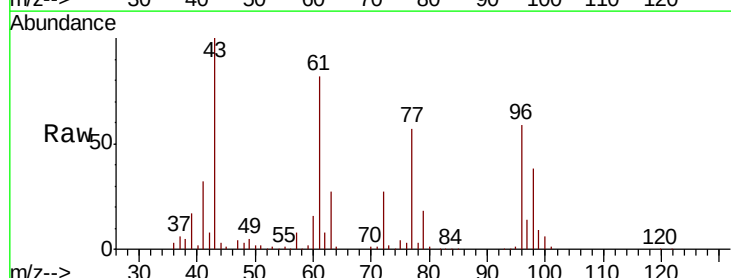
Acq: 14 Aug 2018 2:13

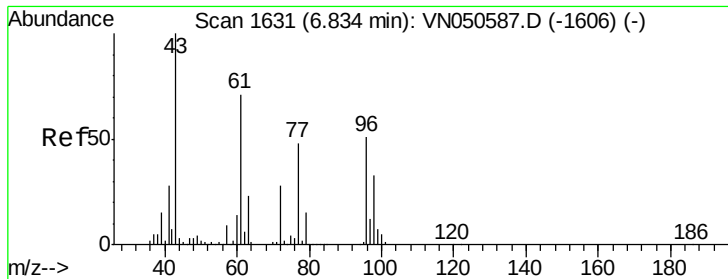
Tgt Ion: 77 Resp: 469932

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 49.04 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

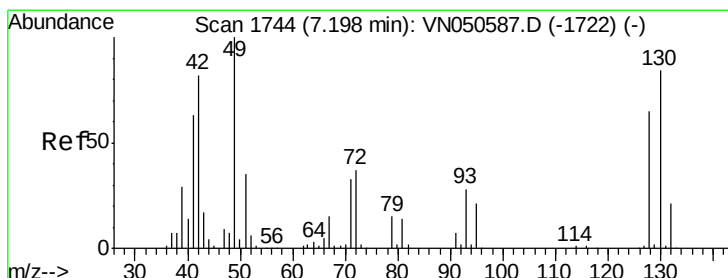
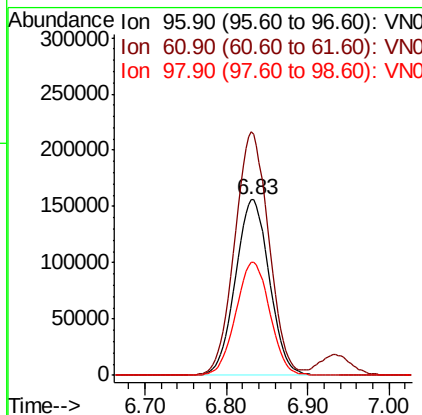
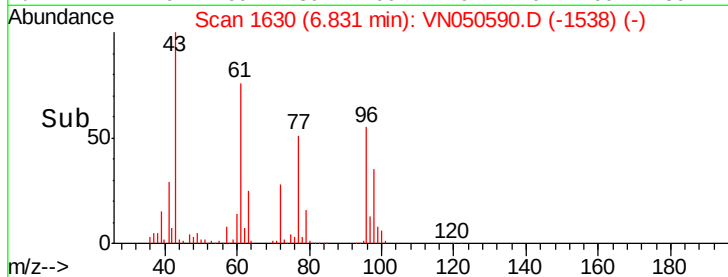
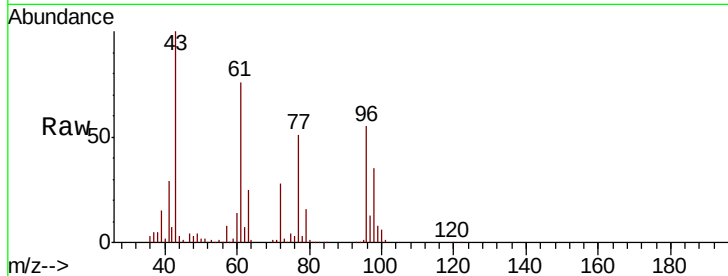
ClientSampleId :

ICVVN081418

Tot Ion:	96	Resp:	451069
Ion Ratio	Lower	Upper	
96	100		
61	139.1	0.0	278.2
98	64.5	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.15 ug/l

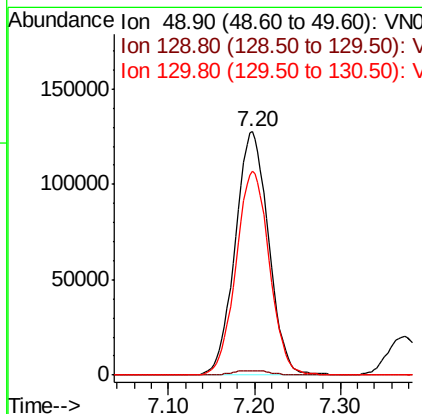
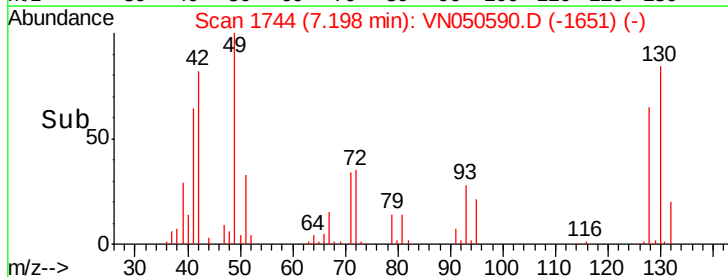
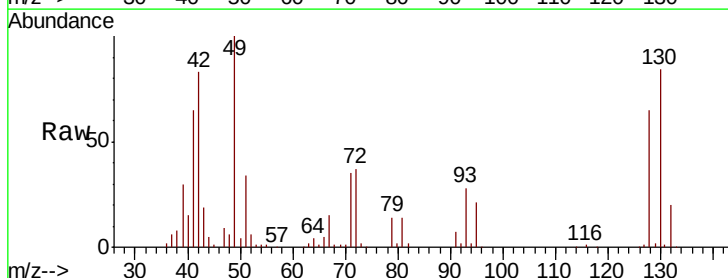
RT: 7.20 min Scan# 1744

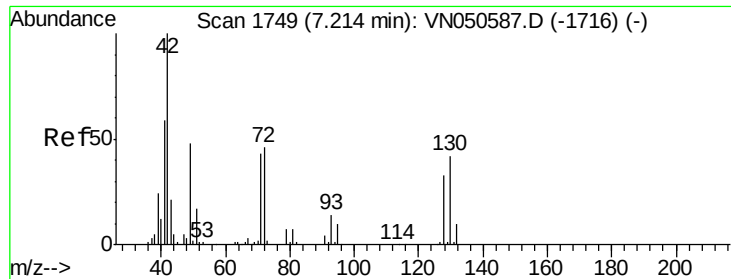
Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion:	49	Resp:	344527
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	83.6	66.8	100.2





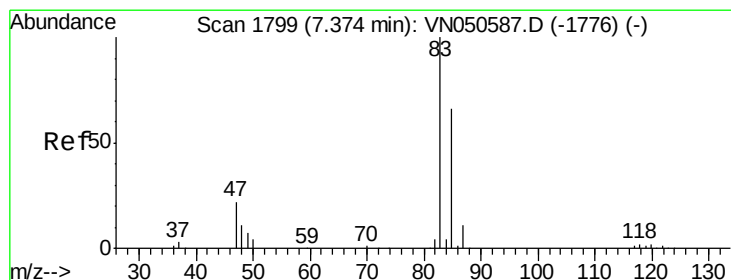
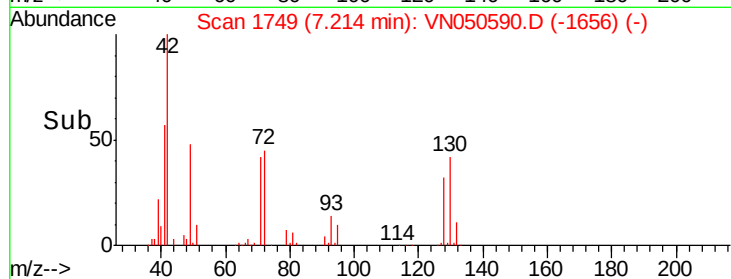
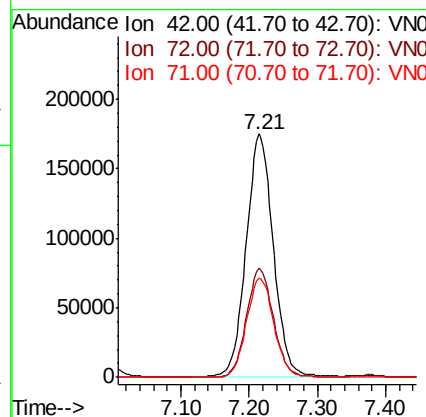
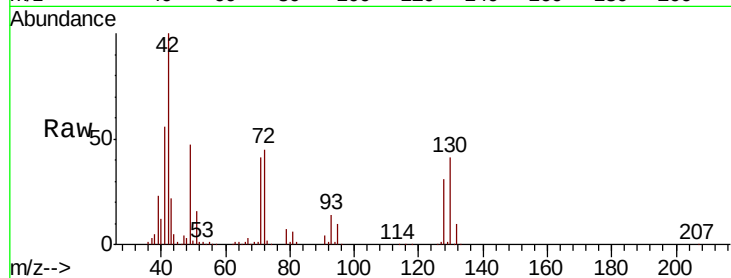
#29
Tetrahydrofuran
Concen: 255.61 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.6
71	41.3	33.4	50.0

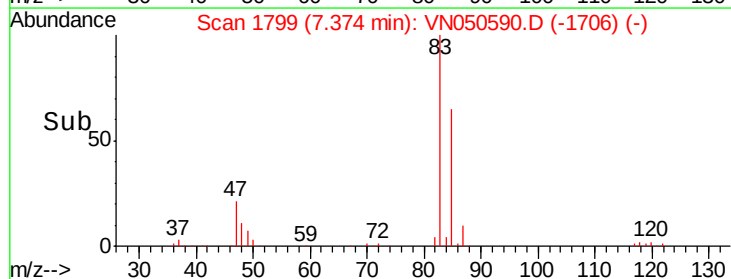
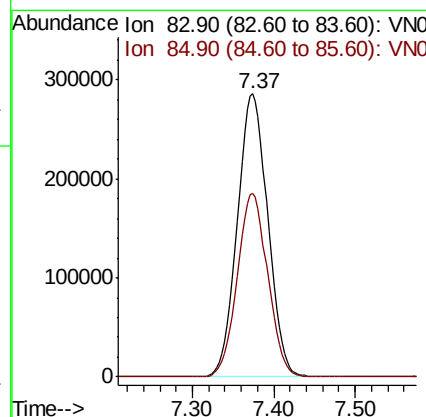
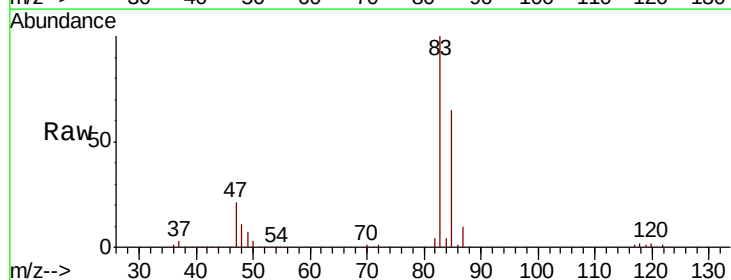
Manual Integrations
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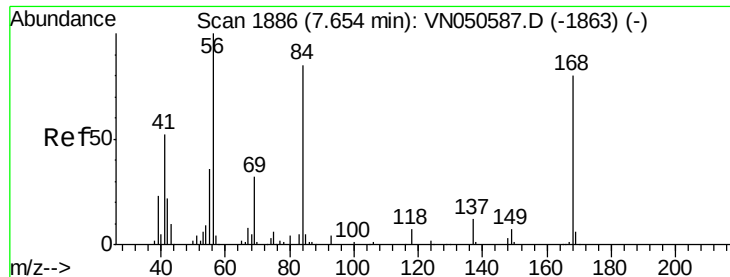
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#30
Chloroform
Concen: 46.62 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.5	78.7





#31

Cyclohexane

Concen: 50.18 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampled :

ICVVN081418

Tot Ion: 56 Resp: 673218

Ion Ratio Lower Upper

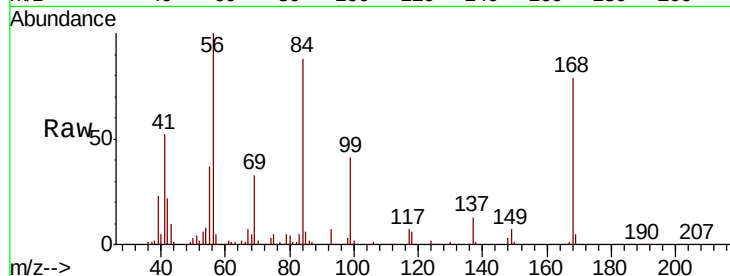
56 100

69 33.0 25.8 38.6

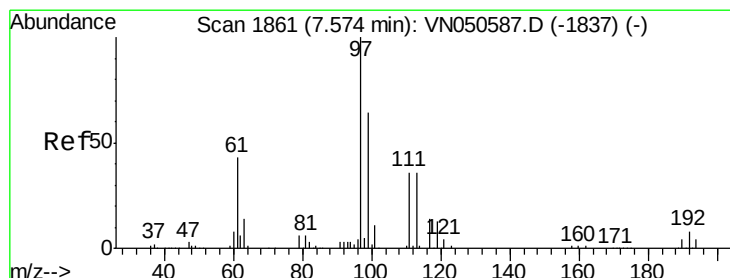
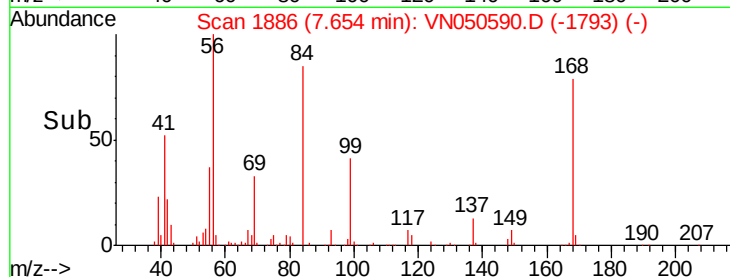
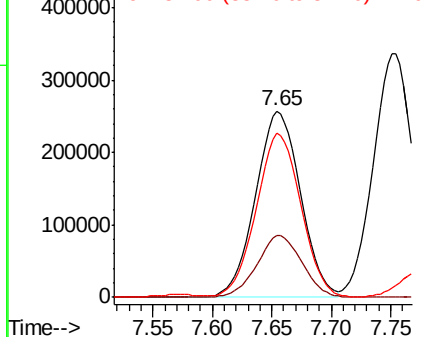
84 86.5 67.8 101.6

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.25 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

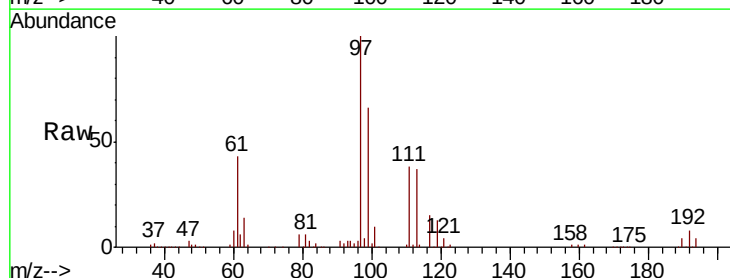
Tgt Ion: 97 Resp: 633675

Ion Ratio Lower Upper

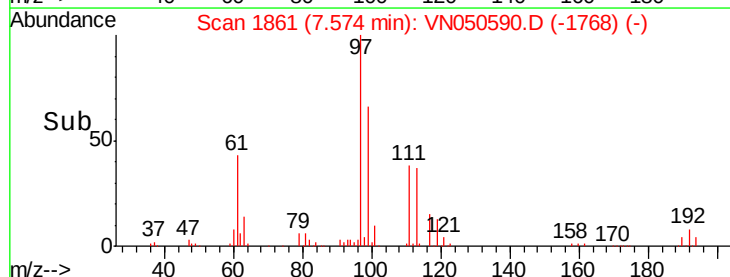
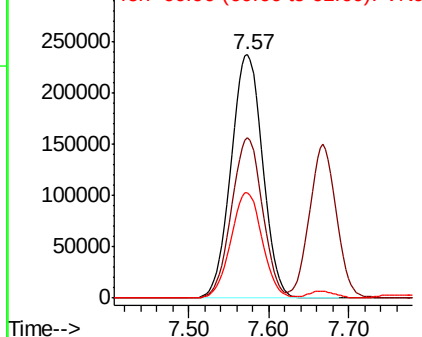
97 100

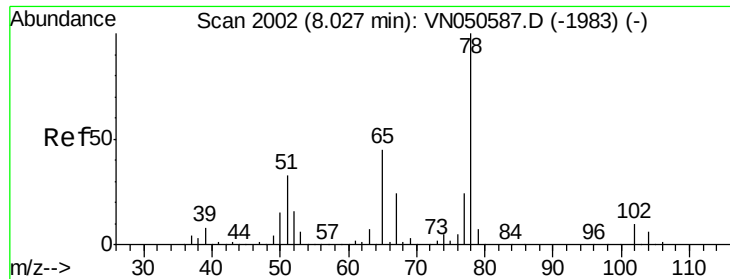
99 64.7 51.1 76.7

61 43.0 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.49 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICV081418

Tot Ion: 65 Resp: 437998

Ion Ratio Lower Upper

65 100

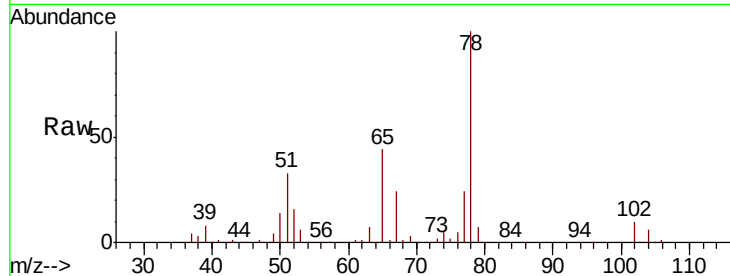
67 55.0 0.0 109.8

Manual Integrations

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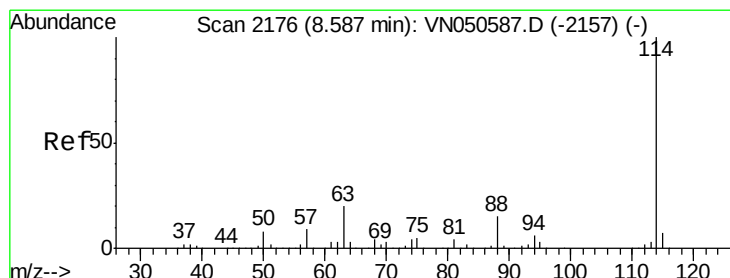
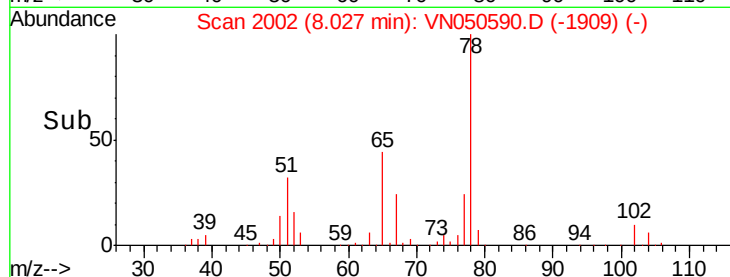
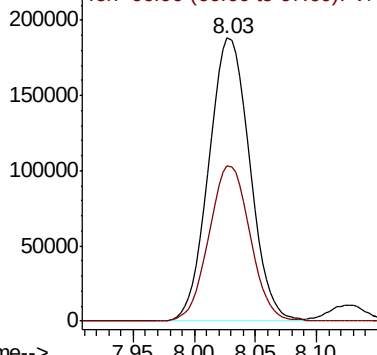
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

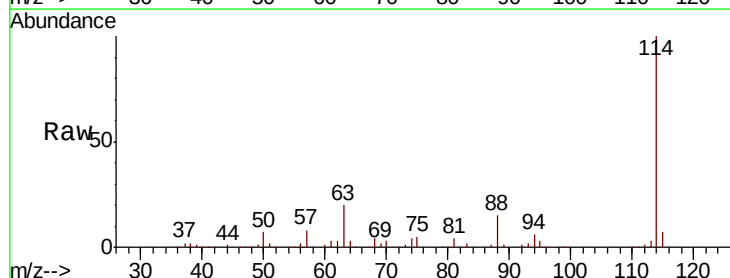
Tgt Ion: 114 Resp: 1035623

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

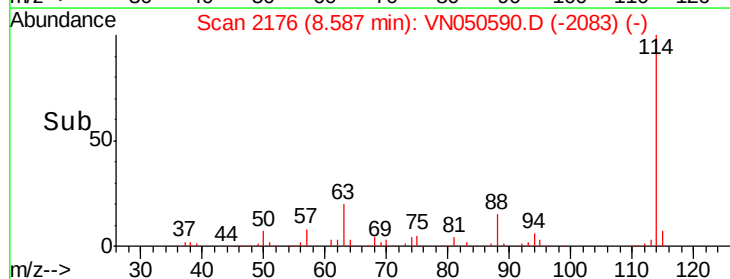
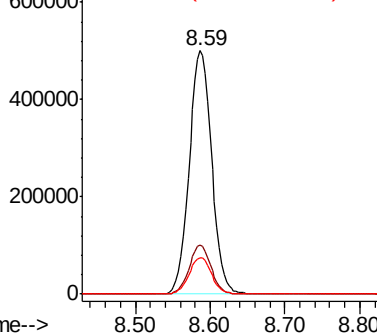
88 14.9 0.0 30.8

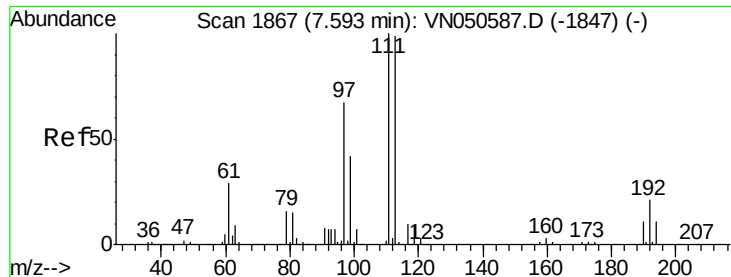


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





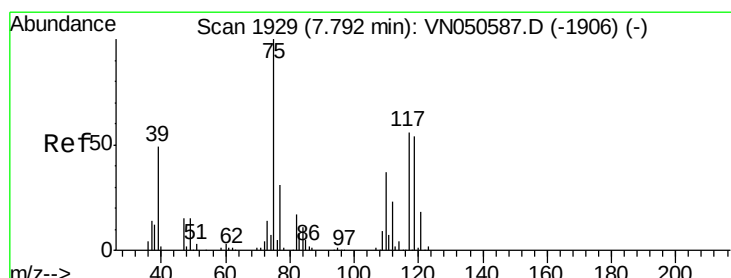
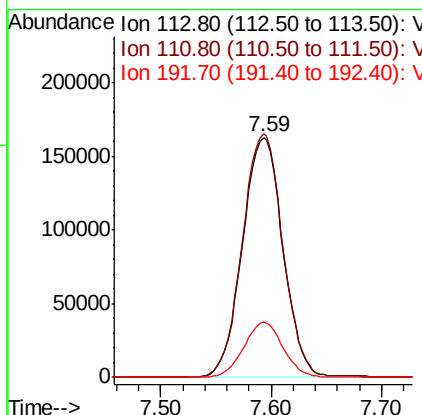
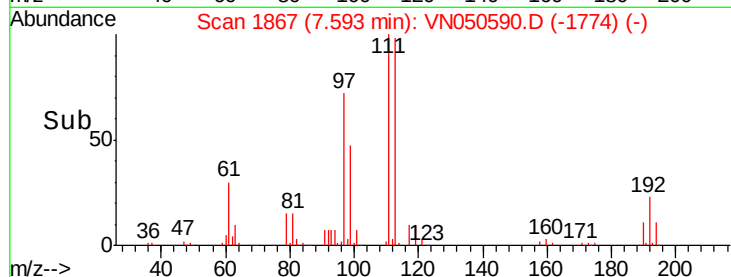
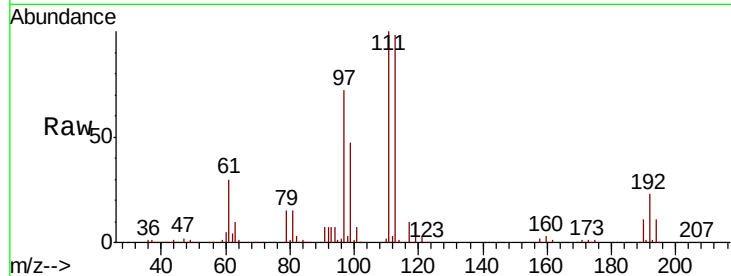
#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.0	121.6	
192	22.3	17.6	26.4	

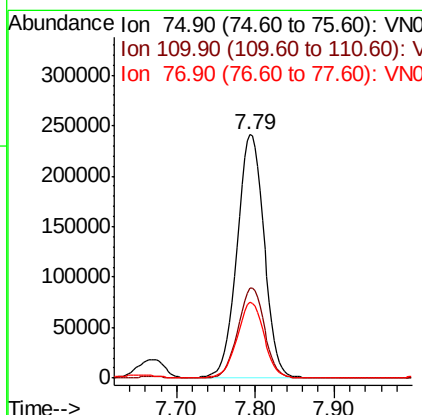
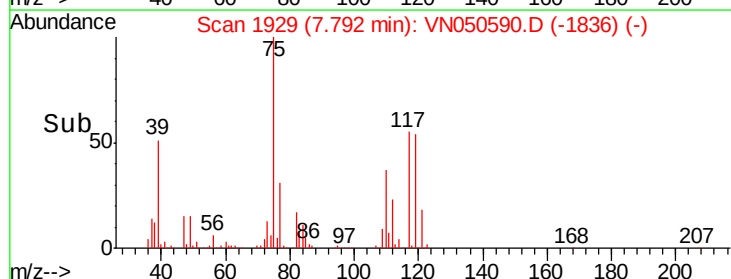
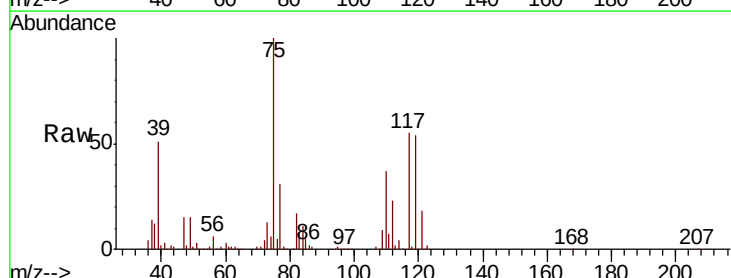
Manual Integrations
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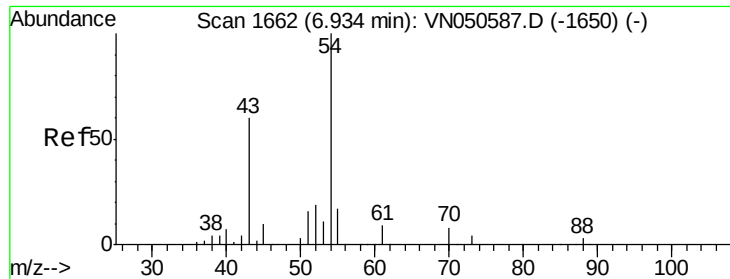
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.26 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.3	54.9	
77	31.1	25.0	37.4	





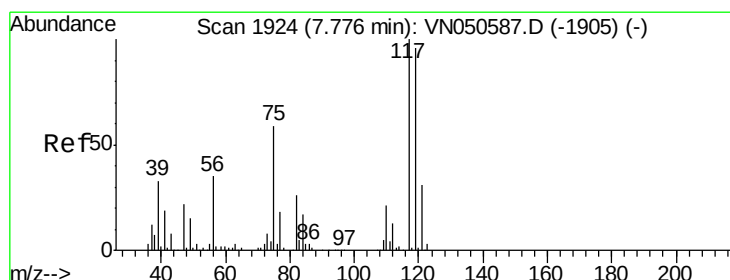
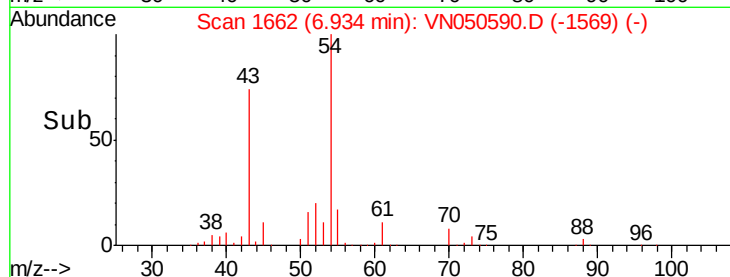
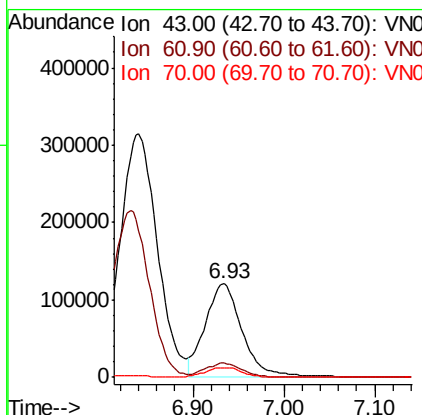
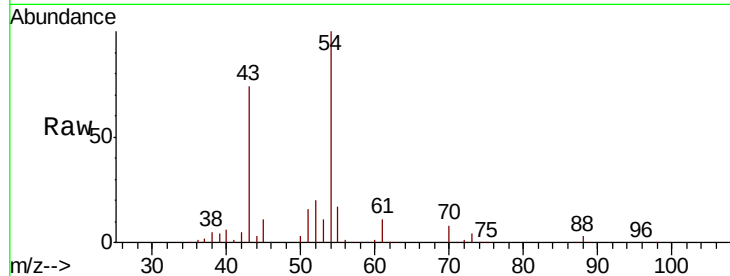
#37
Ethyl Acetate
Concen: 51.45 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.9	8.5	12.7

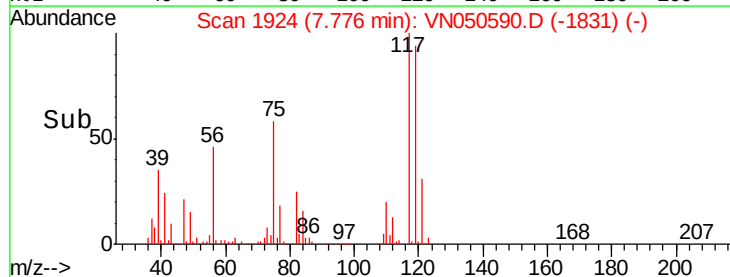
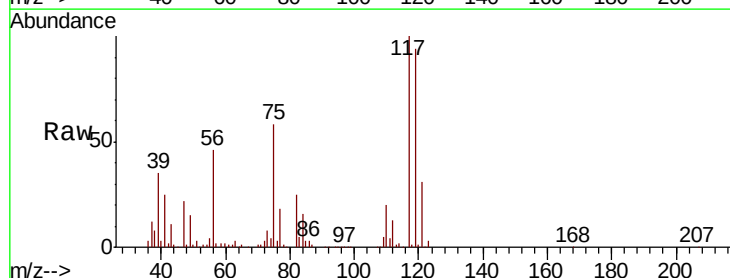
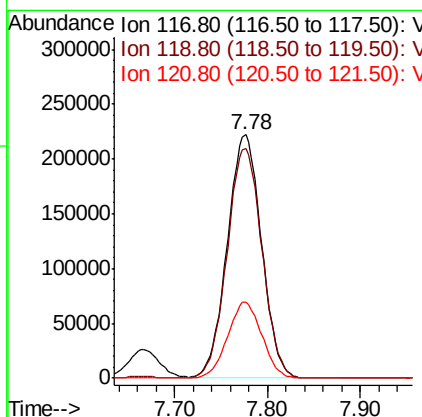
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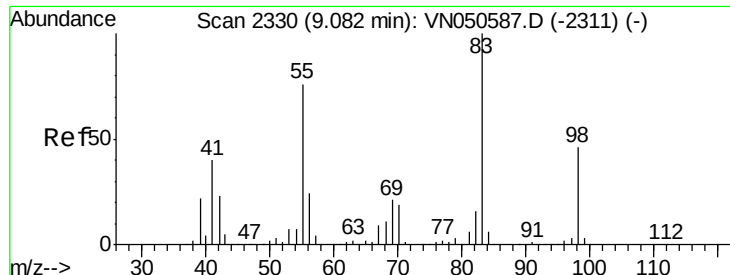
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#38
Carbon Tetrachloride
Concen: 47.62 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	115.0
121	31.4	25.0	37.6





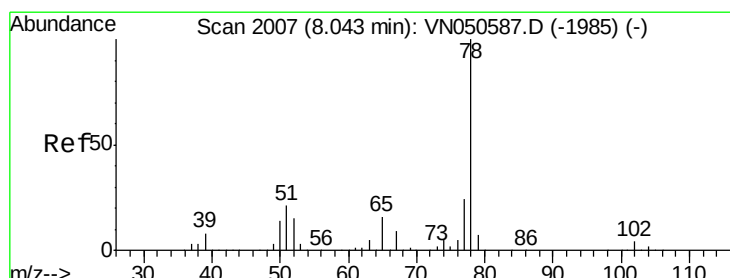
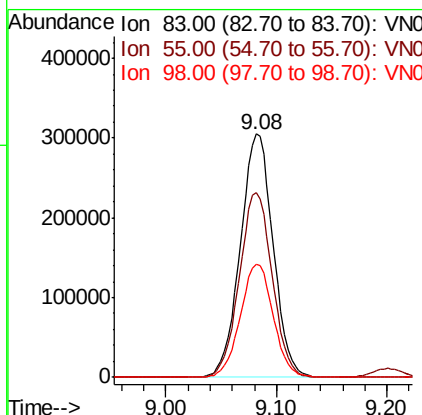
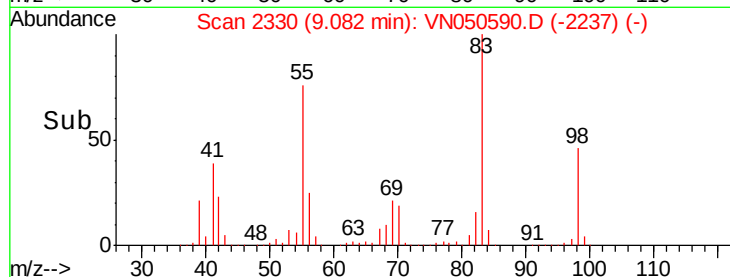
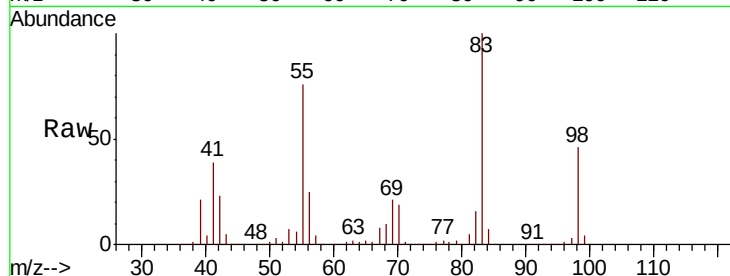
#39
Methylvlcyclohexane
Concen: 52.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVFN081418

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.6	91.0
98	46.5	37.0	55.4

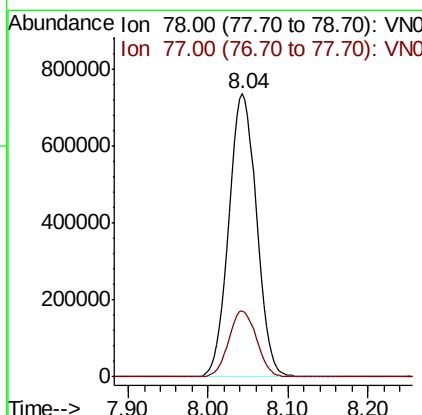
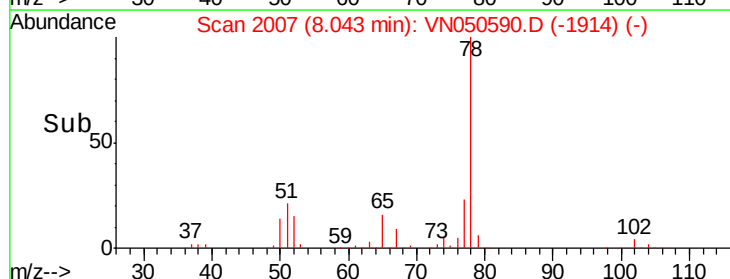
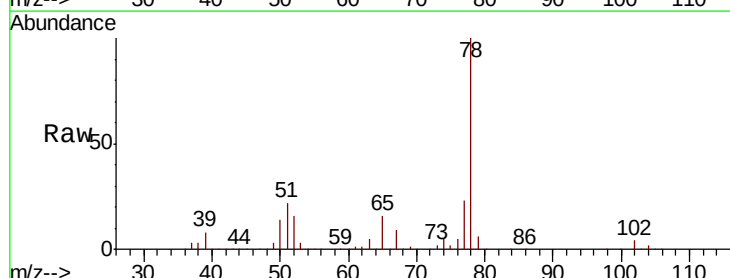
Manual Integrations
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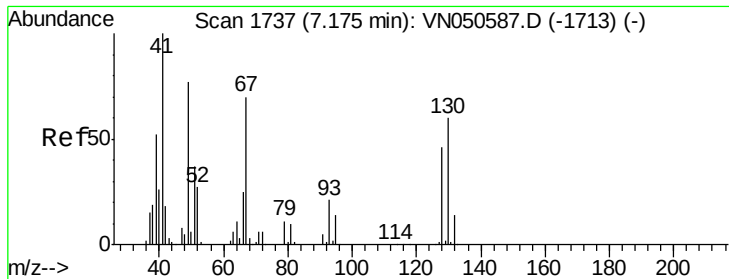
MMDadoda
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#40
Benzene
Concen: 49.34 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





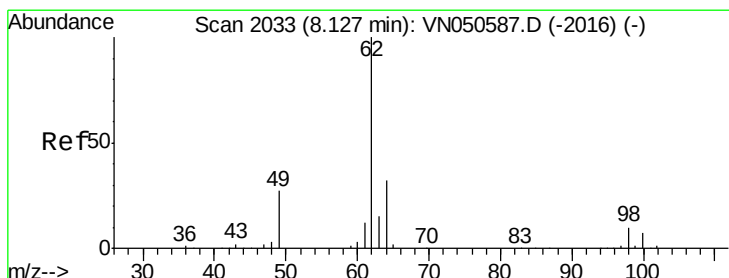
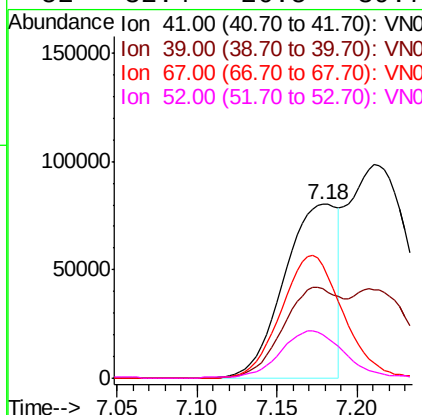
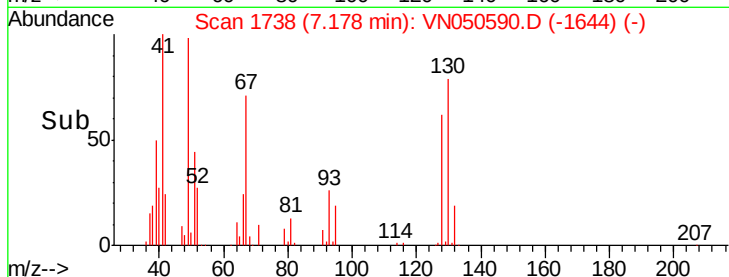
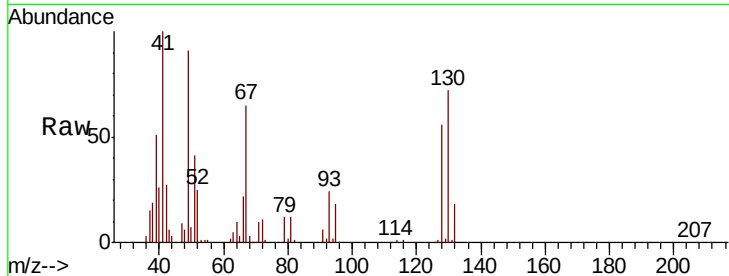
#41
Methacrylonitrile
Concen: 53.03 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	44.6	66.8
67	82.0	66.7	100.1
52	32.4	26.5	39.7

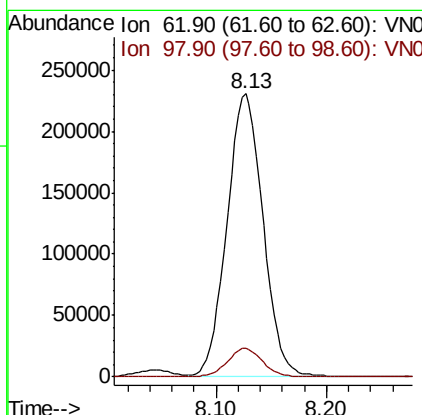
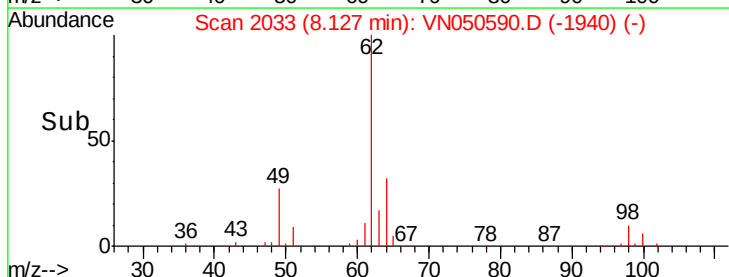
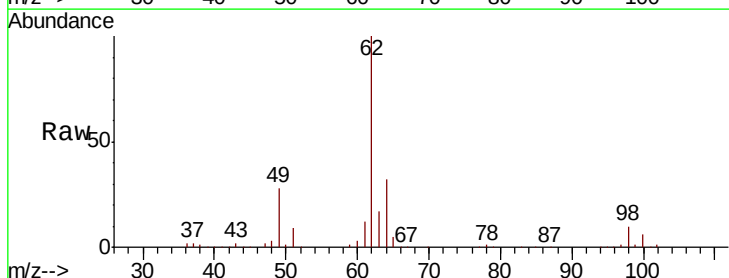
Manual Integrations
APPROVED

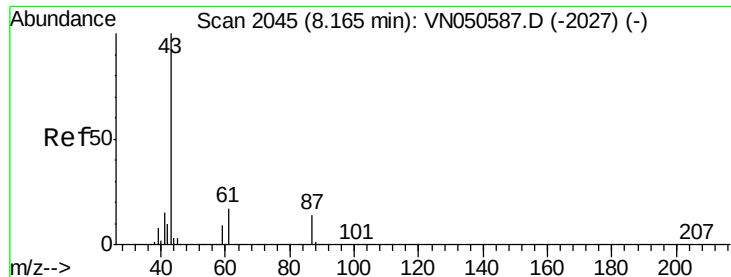
MMDadoda
8/15/2018 3:21:52 PM



#42
1,2-Dichloroethane
Concen: 48.38 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 49.78 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

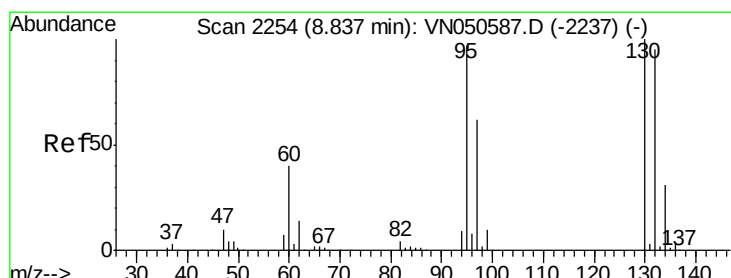
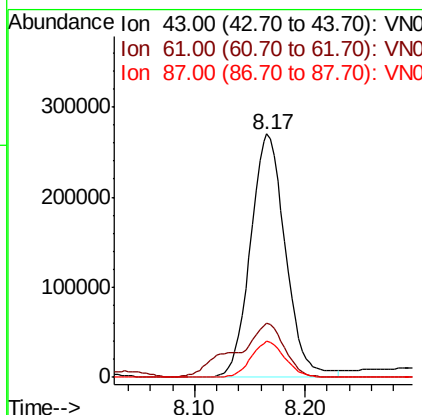
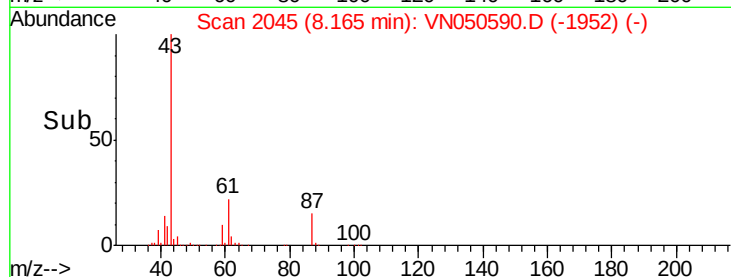
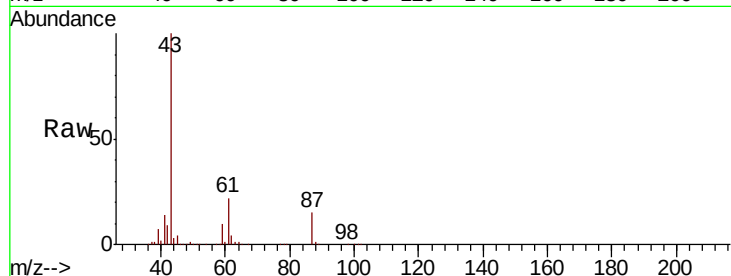
ClientSampleId :

ICVVN081418

Tot Ion:	43	Resp:	591132
Ion Ratio		Lower	Upper
43	100		
61	30.7	16.2	24.2#
87	14.3	10.9	16.3

Manual Integrations
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MMDadoda
8/15/2018 3:21:52 PM



#44

Trichloroethene

Concen: 48.59 ug/l

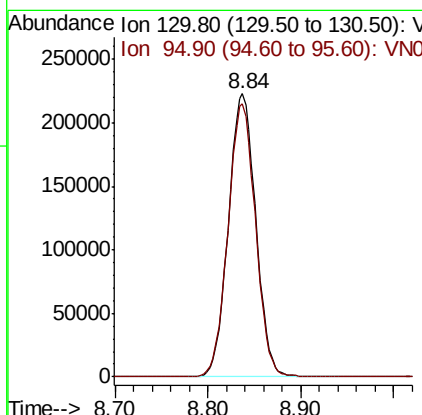
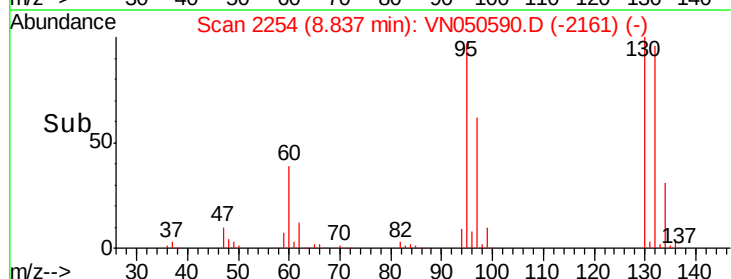
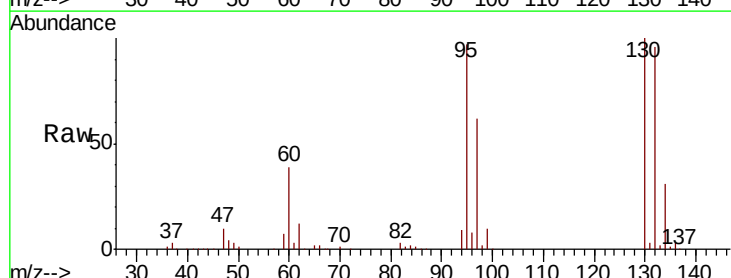
RT: 8.84 min Scan# 2254

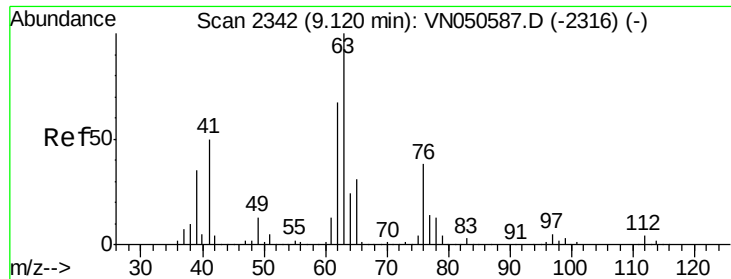
Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion:	130	Resp:	456509
Ion Ratio		Lower	Upper
130	100		
95	96.6	0.0	193.8





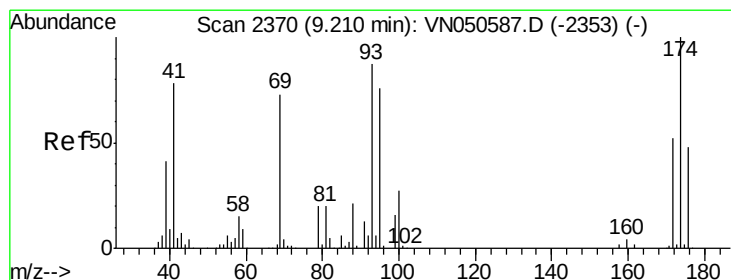
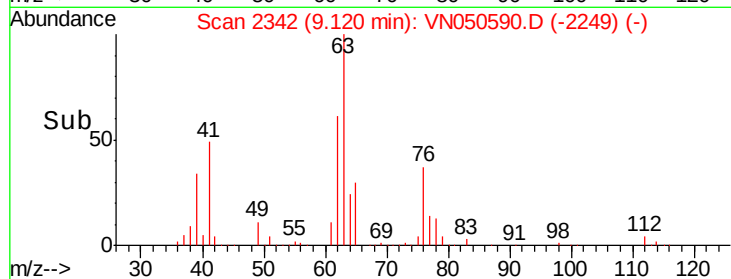
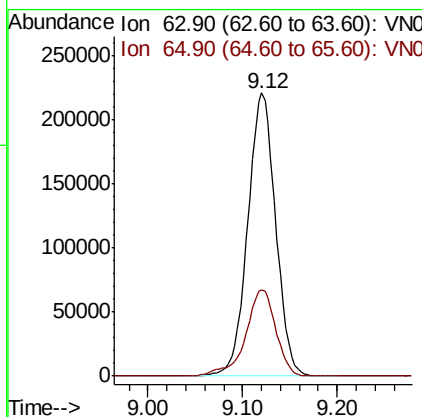
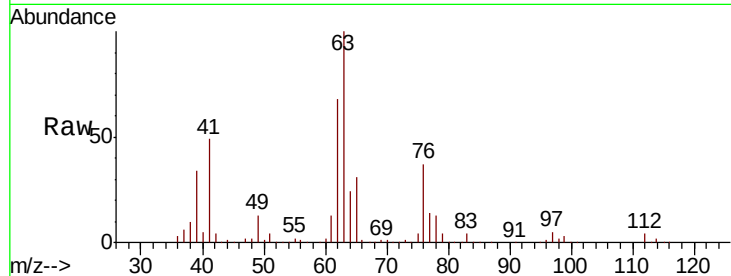
#45
 1,2-Dichloropropane
 Concen: 48.45 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7

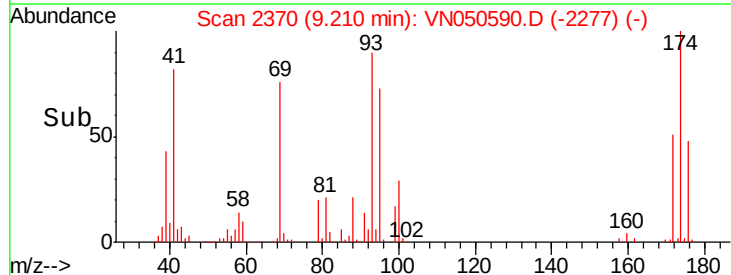
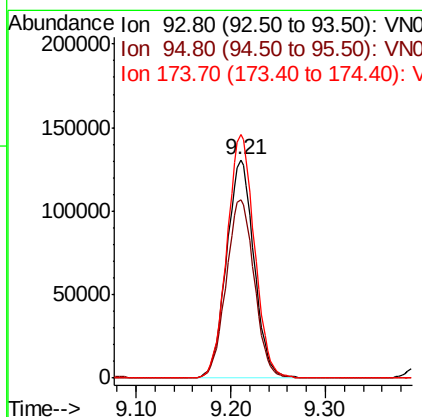
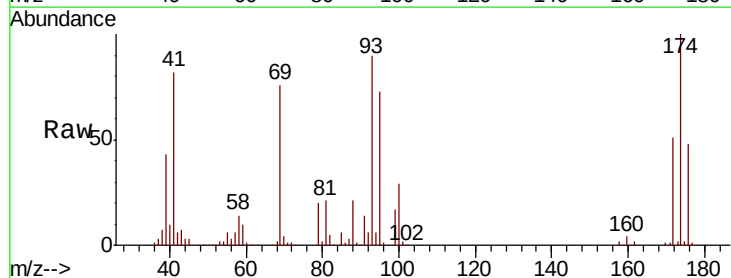
Manual Integrations
 APPROVED

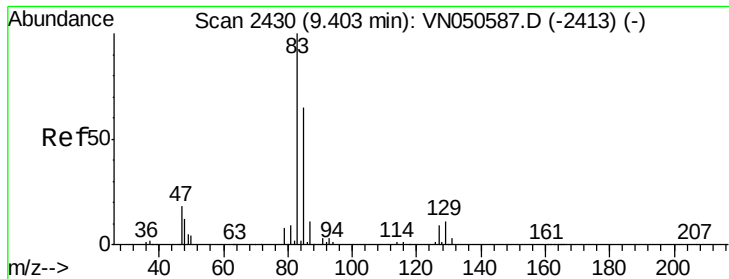
MMDadoda
 8/15/2018 3:21:52 PM



#46
 Dibromomethane
 Concen: 47.89 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	69.1	103.7
174	111.6	91.0	136.6





#47

Bromodichloromethane

Concen: 47.95 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

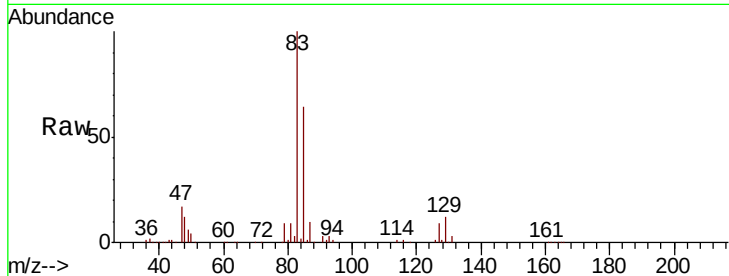
ClientSampleId :

ICVVN081418

Tot Ion:	83	Resp:	565049
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.8	77.6
127	9.0	7.2	10.8

Manual Integrations
APPROVED

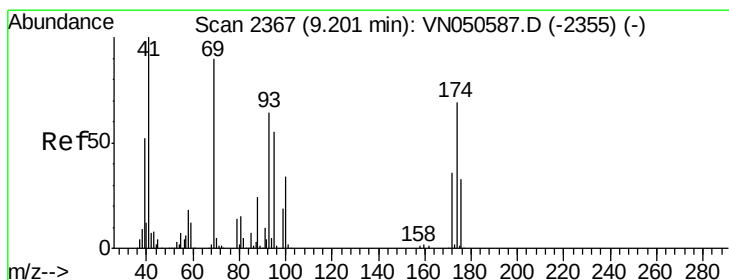
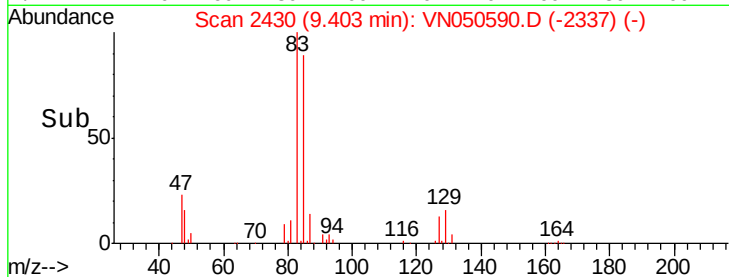
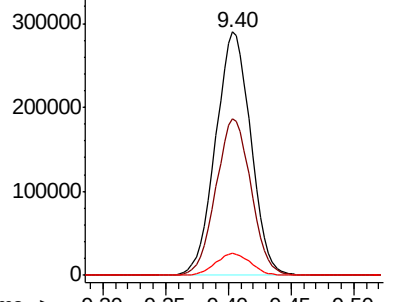
MMDadoda
8/15/2018 3:21:52 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050587.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050587.D (-2413) (-)



#48

Methyl methacrylate

Concen: 49.41 ug/l

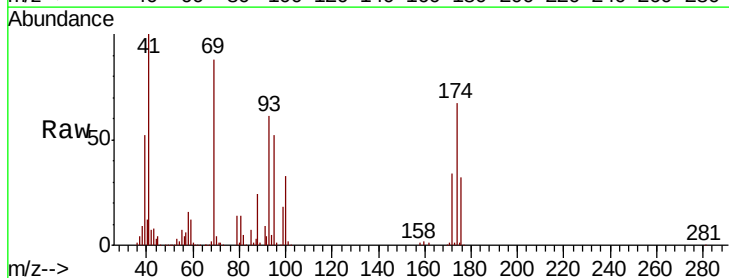
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

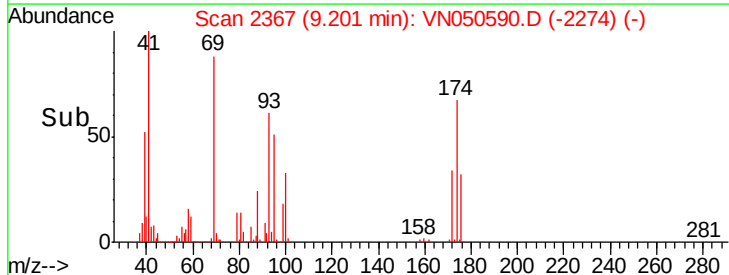
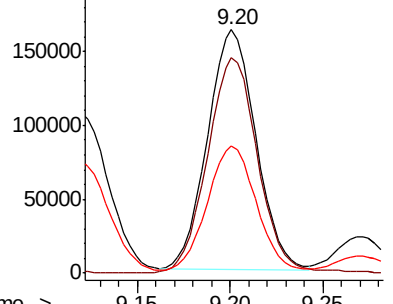
Tgt Ion:	41	Resp:	295266
Ion Ratio	Lower	Upper	
41	100		
69	93.5	73.4	110.0
39	54.3	43.0	64.6

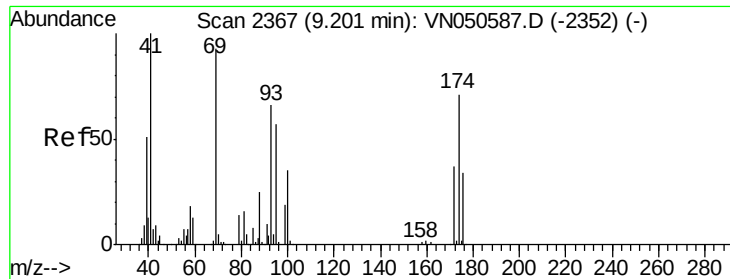


Abundance Ion 41.00 (40.70 to 41.70): VN050587.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050587.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050587.D (-2355) (-)





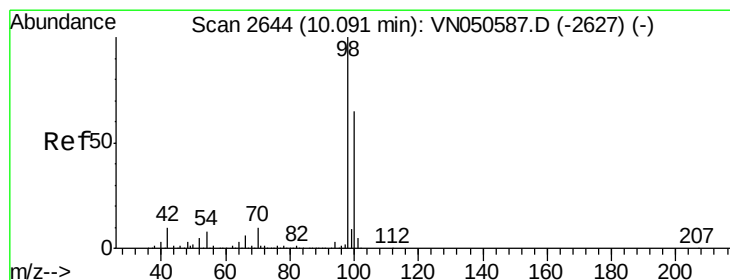
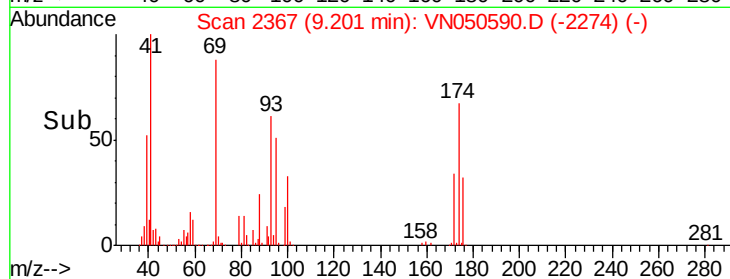
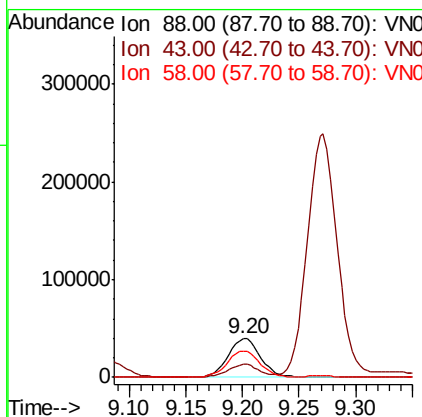
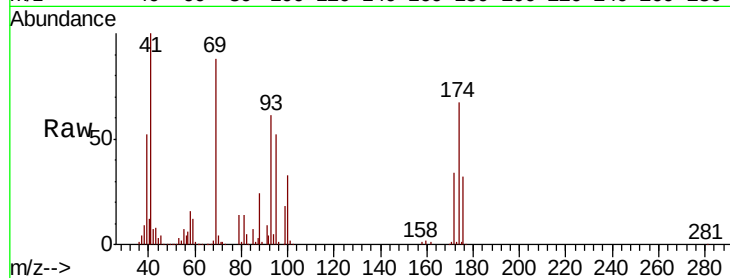
#49
1,4-Dioxane
Concen: 1010.71 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.9	38.9
58	69.1	56.5	84.7

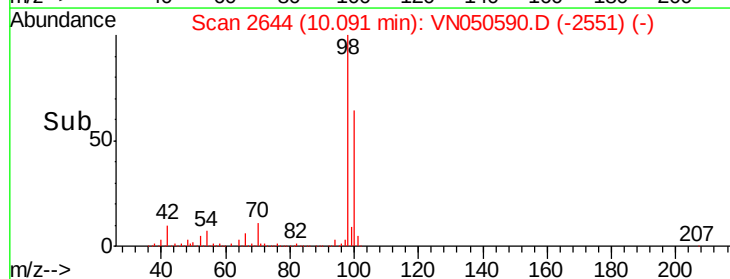
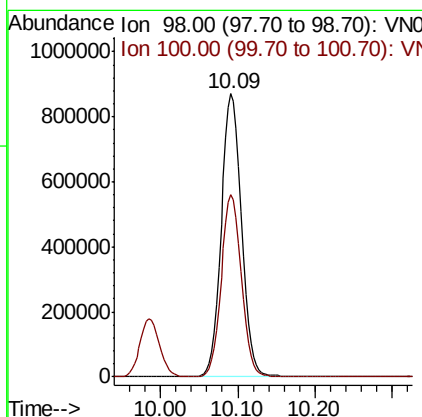
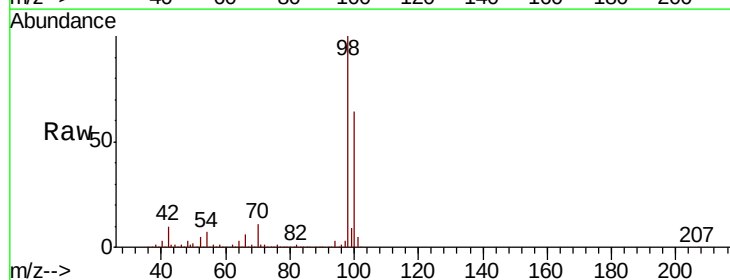
Manual Integrations
APPROVED

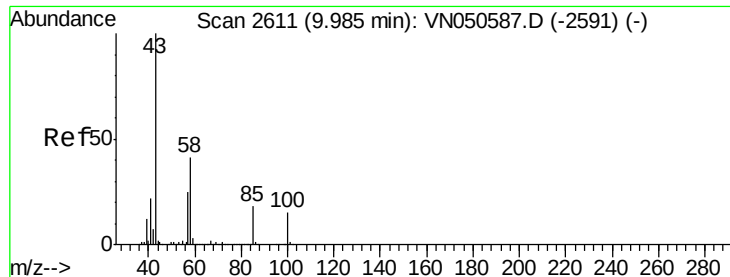
MMDadoda
8/15/2018 3:21:52 PM



#50
Toluene-d8
Concen: 51.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8





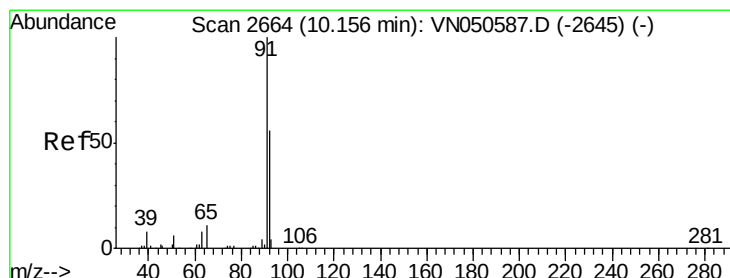
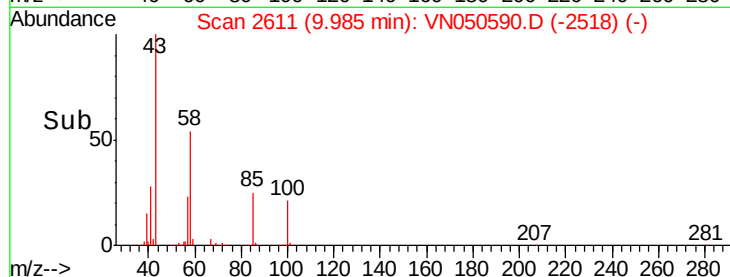
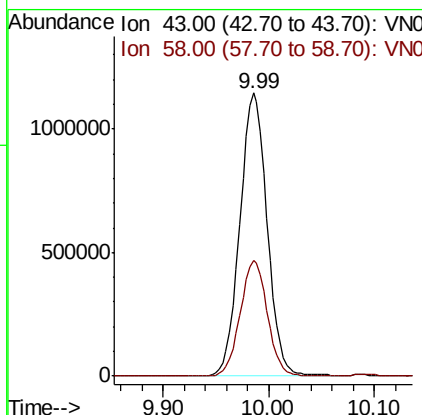
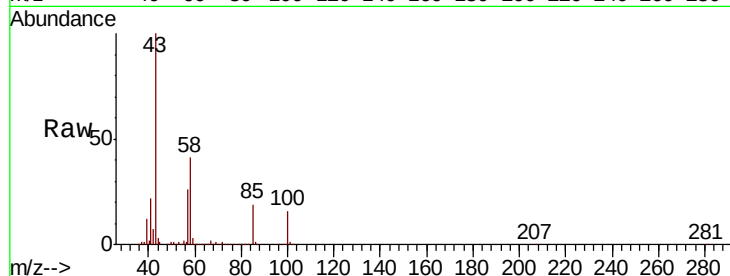
#51
4-Methyl-2-Pentanone
Concen: 255.33 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion: 43 Resp: 2050752
Ion Ratio Lower Upper
43 100
58 40.9 32.5 48.7

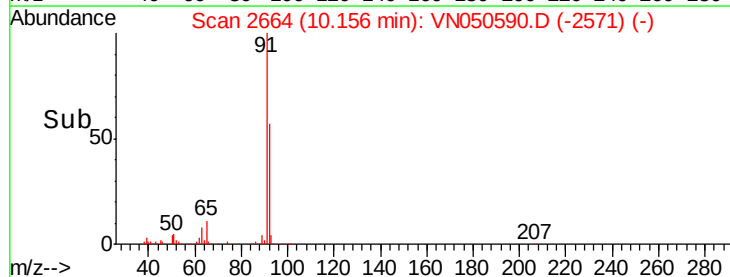
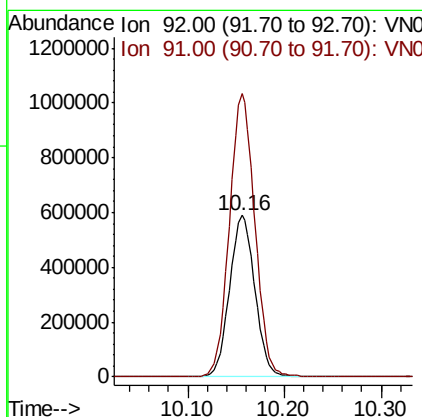
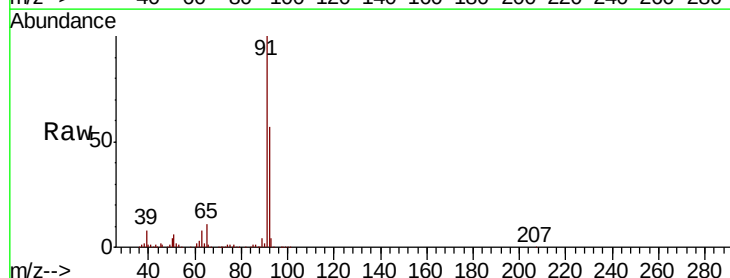
Manual Integrations
APPROVED

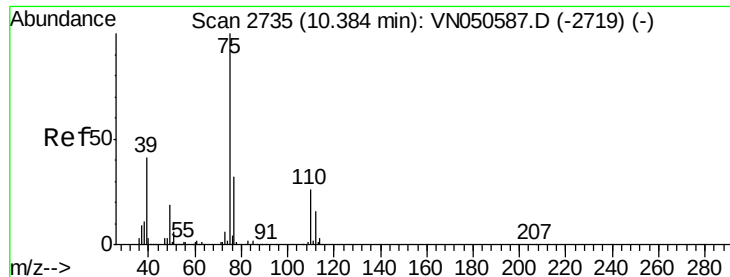
MMDadoda
8/15/2018 3:21:52 PM



#52
Toluene
Concen: 51.19 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion: 92 Resp: 1071866
Ion Ratio Lower Upper
92 100
91 175.9 141.9 212.9





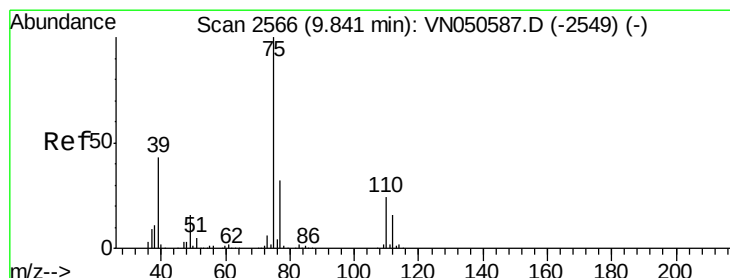
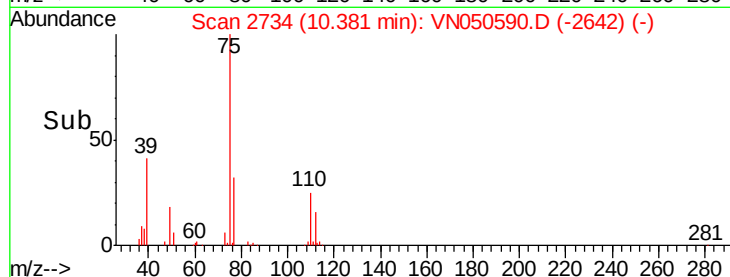
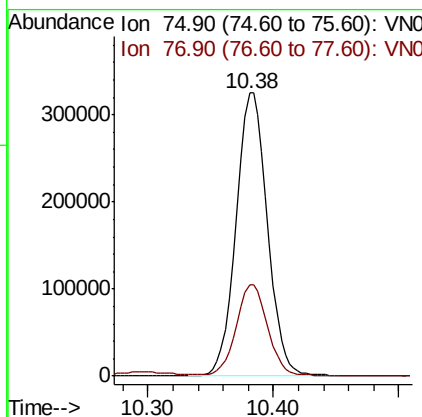
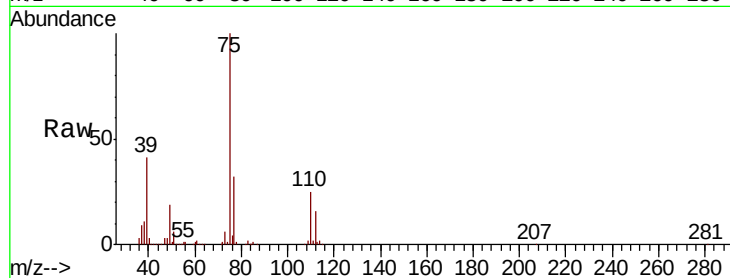
#53
t-1,3-Dichloropropene
Concen: 51.53 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6

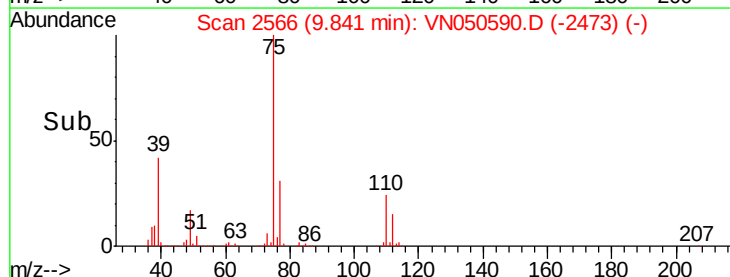
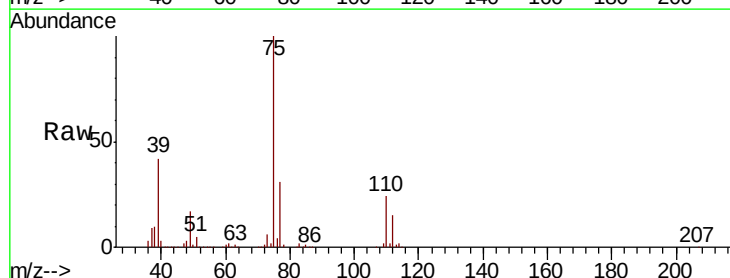
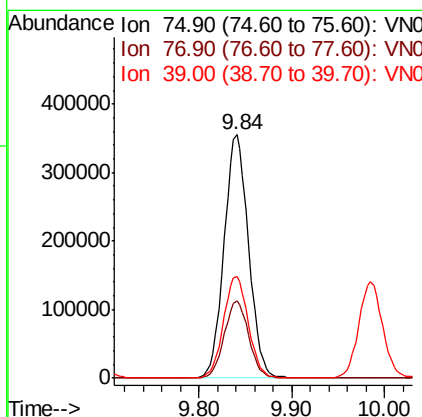
Manual Integrations
APPROVED

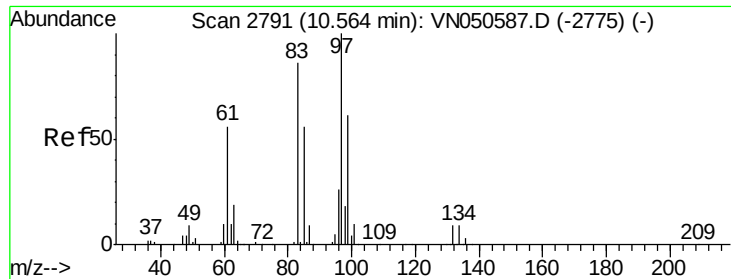
MMDadoda
8/15/2018 3:21:52 PM



#54
cis-1,3-Dichloropropene
Concen: 51.71 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	41.9	34.4	51.6





#55

1,1,2-Trichloroethane

Concen: 48.39 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

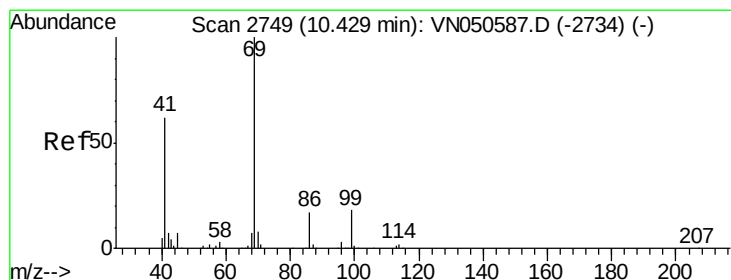
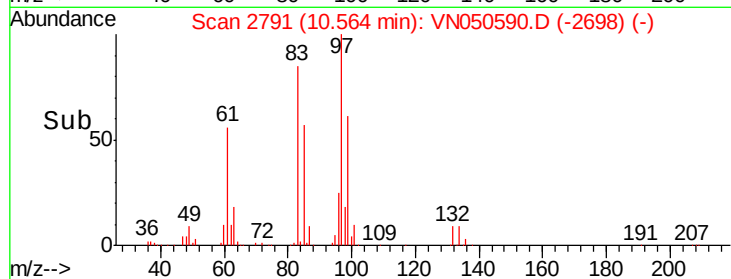
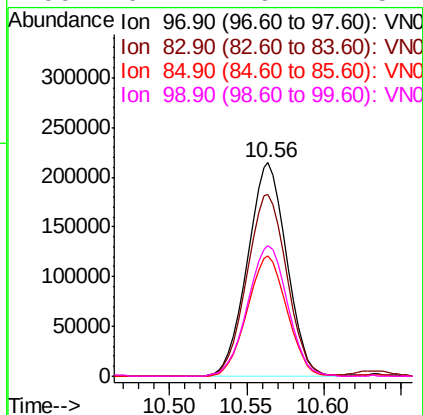
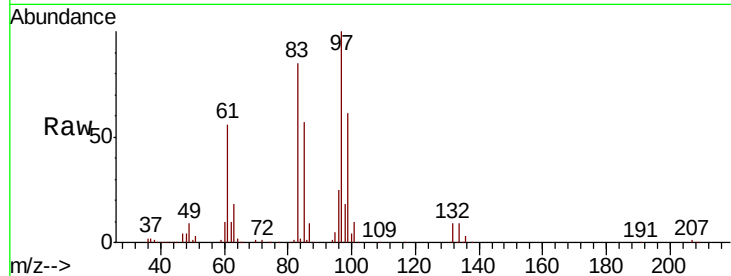
ClientSampleId :

ICVVN081418

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		378523		
83	85.4	68.5	102.7		
85	56.6	44.6	66.8		
99	61.1	49.1	73.7		

Manual Integrations
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8/15/2018 3:21:52 PM



#56

Ethyl methacrylate

Concen: 48.44 ug/l

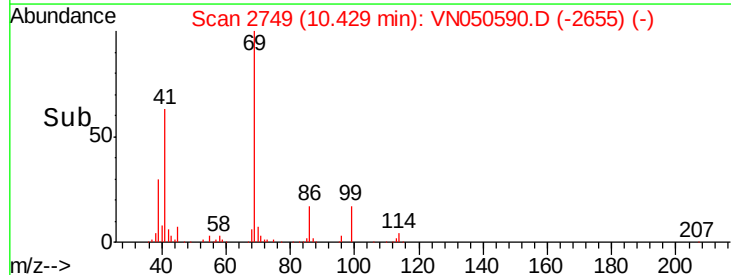
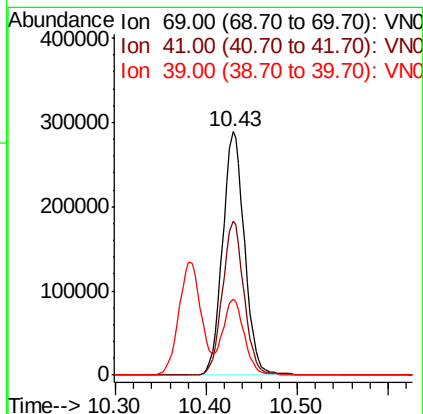
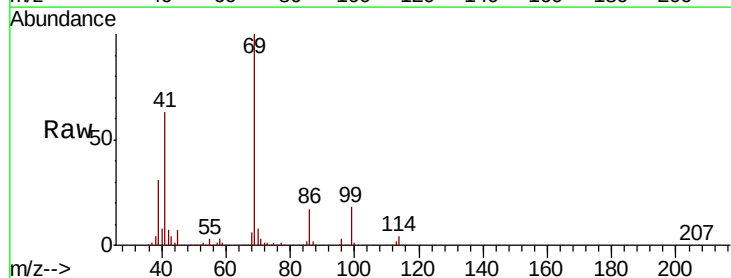
RT: 10.43 min Scan# 2749

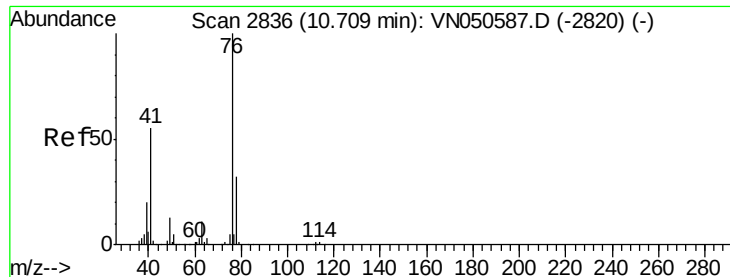
Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		482801		
41	62.1	49.7	74.5		
39	31.0	24.2	36.2		





#57

1,3-Dichloropropane

Concen: 49.60 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion: 76 Resp: 636170

Ion Ratio Lower Upper

76 100

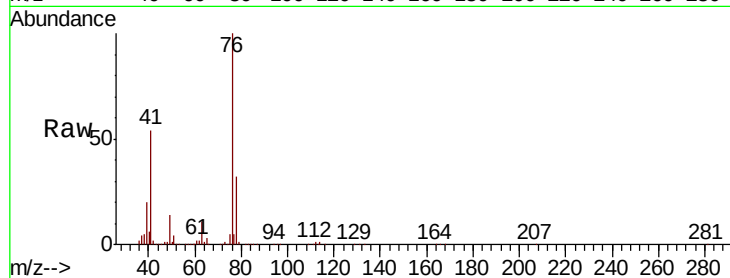
78 32.3 25.8 38.6

Manual Integrations

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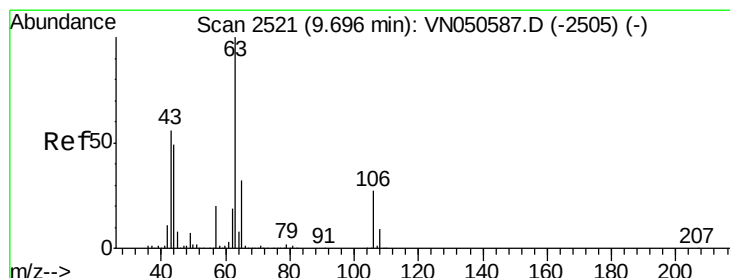
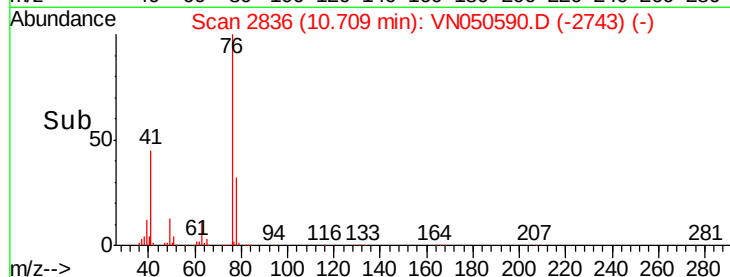
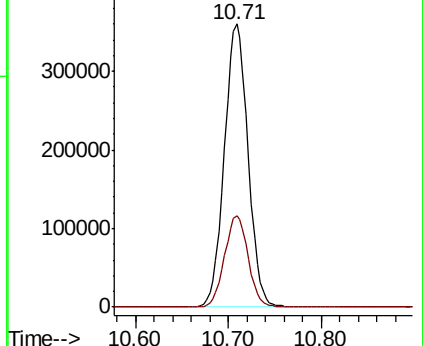
MMDadoda

8/15/2018 3:21:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 242.50 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050590.D

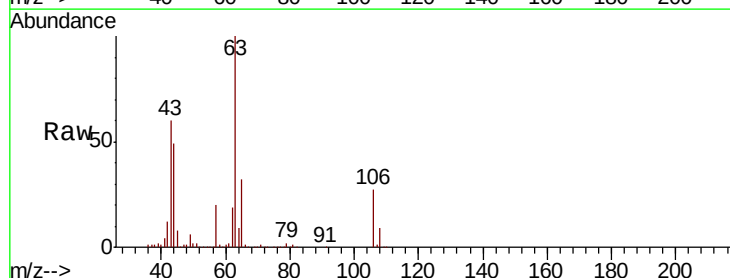
Acq: 14 Aug 2018 2:13

Tgt Ion: 63 Resp: 1157623

Ion Ratio Lower Upper

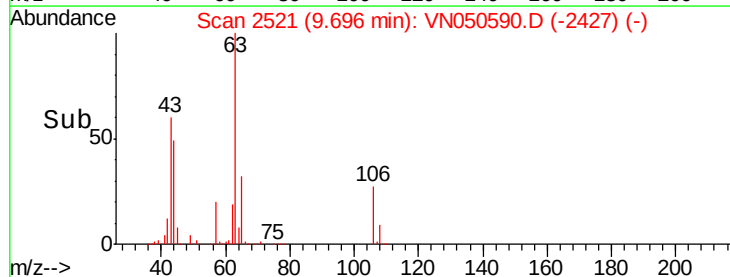
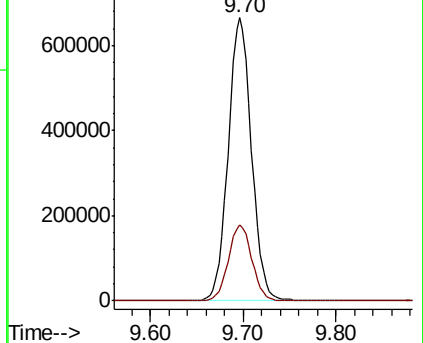
63 100

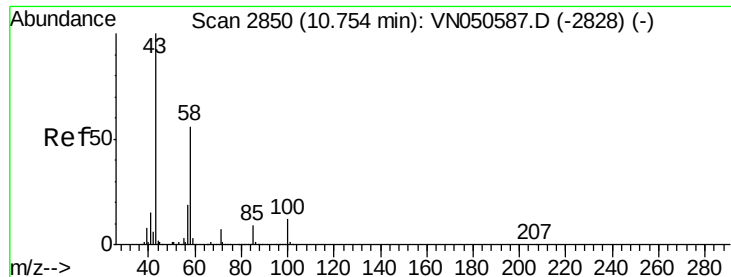
106 27.2 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





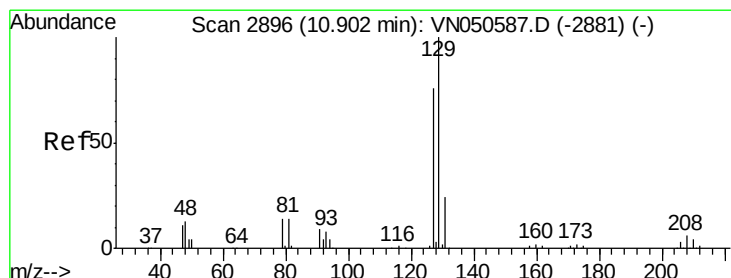
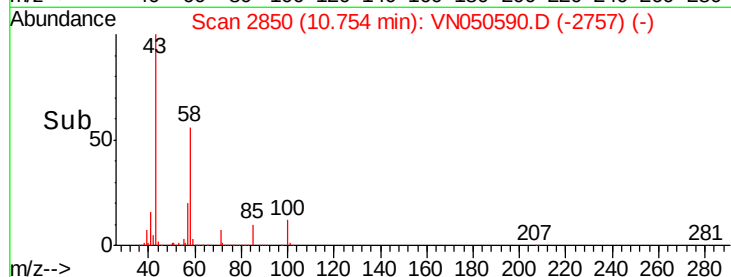
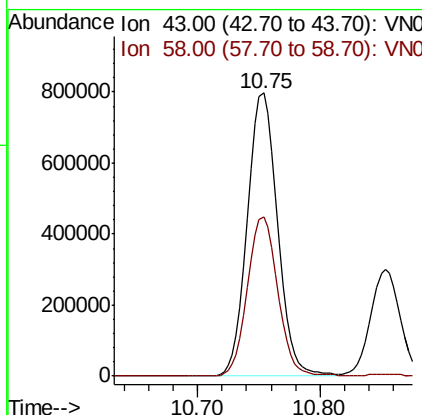
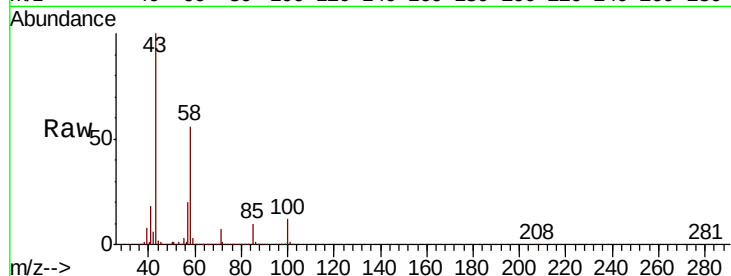
#59
2-Hexanone
Concen: 261.54 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampled :
ICVVN081418

Tot Ion: 43 Resp: 1355784
Ion Ratio Lower Upper
43 100
58 56.5 28.0 84.0

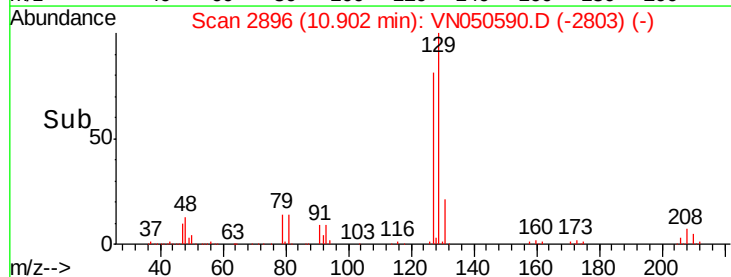
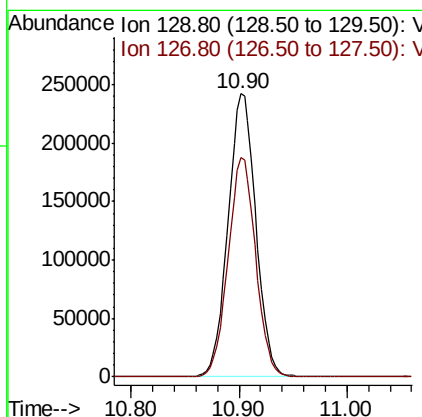
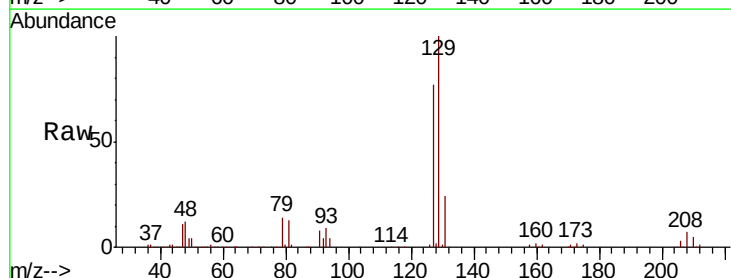
Manual Integrations
APPROVED

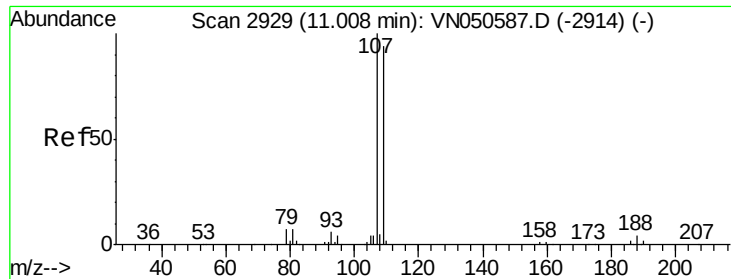
MMDadoda
8/15/2018 3:21:52 PM



#60
Dibromochloromethane
Concen: 50.44 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion: 129 Resp: 435527
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 50.84 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion: 107 Resp: 378743

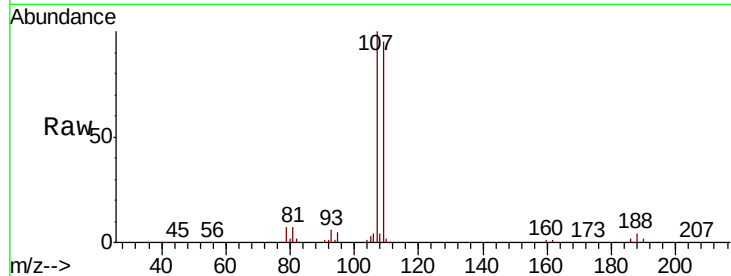
Ion Ratio Lower Upper

107 100

109 94.4 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:21:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

100000

50000

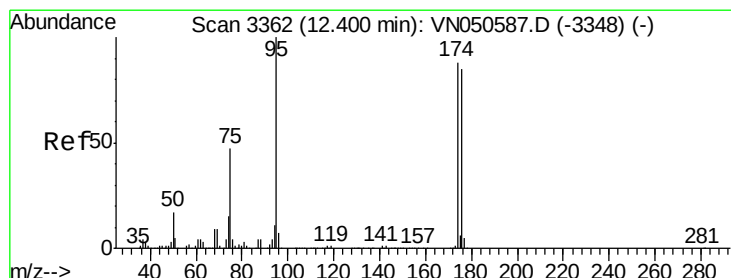
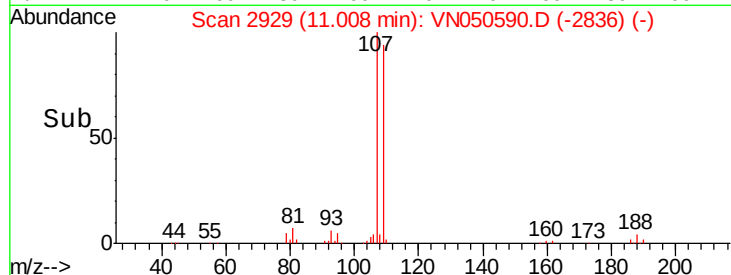
0

11.01

11.00

10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 52.39 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

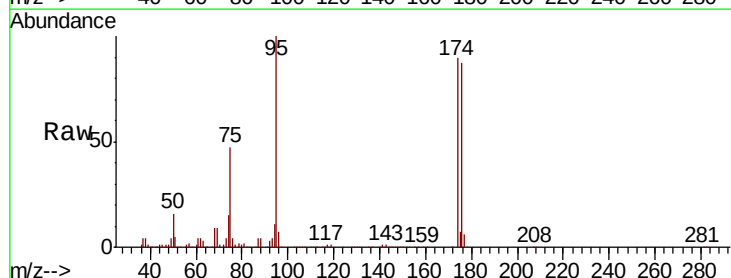
Tgt Ion: 95 Resp: 538560

Ion Ratio Lower Upper

95 100

174 89.8 0.0 177.8

176 87.0 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

100000

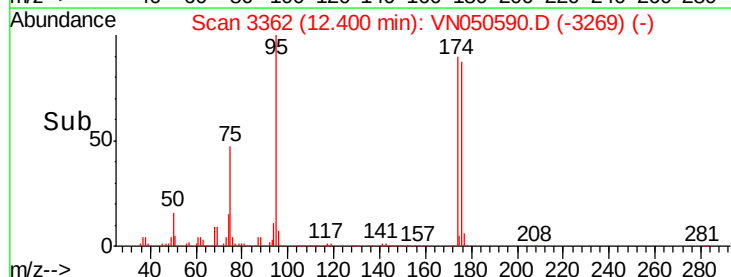
0

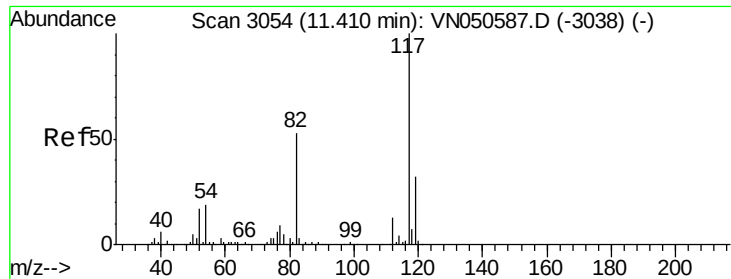
12.40

12.35

12.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

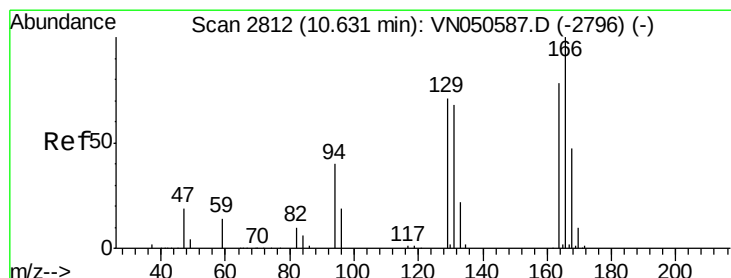
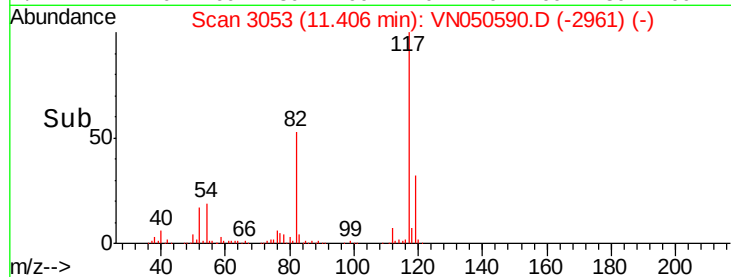
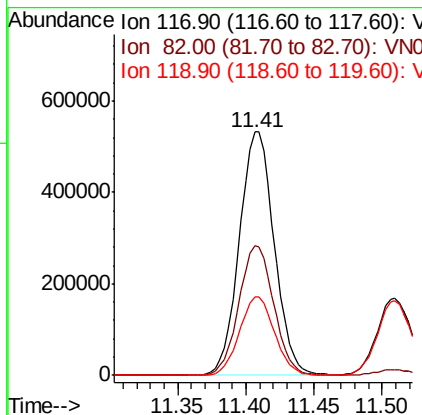
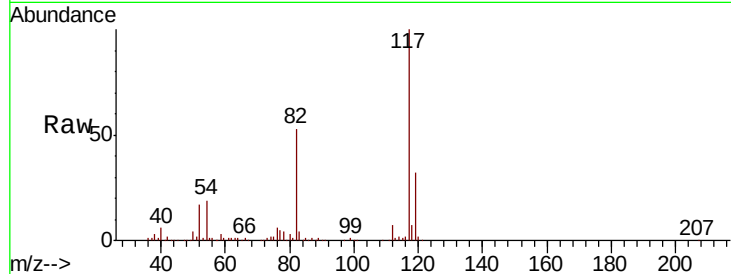
ClientSampleId :

ICVVN081418

Tot Ion:	117	Resp:	946954
Ion Ratio		Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.1	25.8	38.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 47.80 ug/l

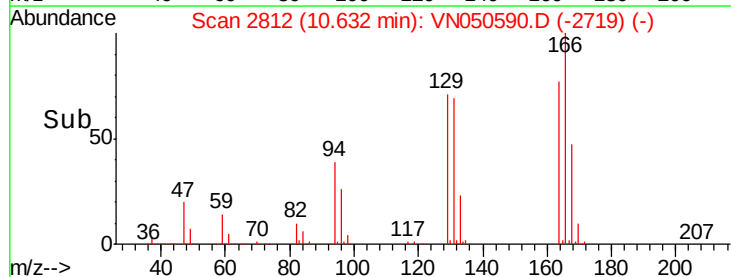
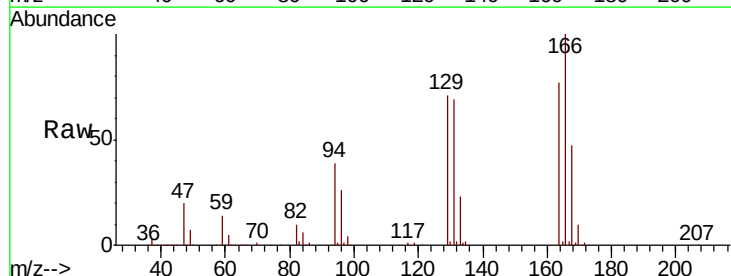
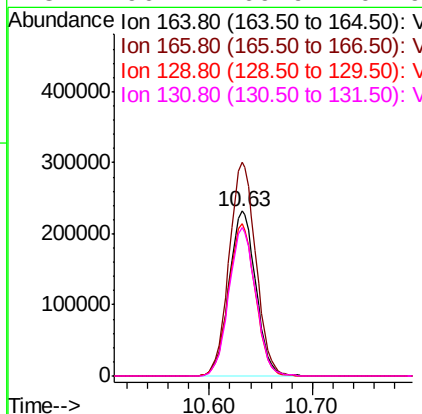
RT: 10.63 min Scan# 2812

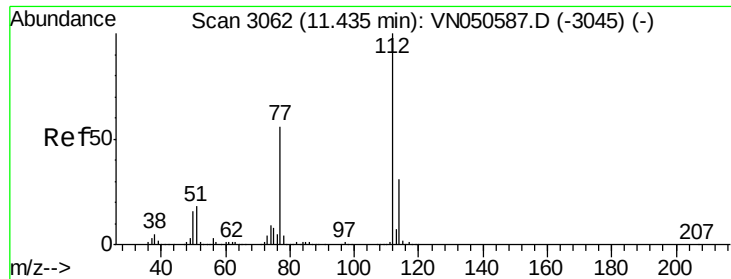
Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion:	164	Resp:	420402
Ion Ratio		Lower	Upper
164	100		
166	129.7	102.1	153.1
129	92.4	72.7	109.1
131	90.1	69.9	104.9





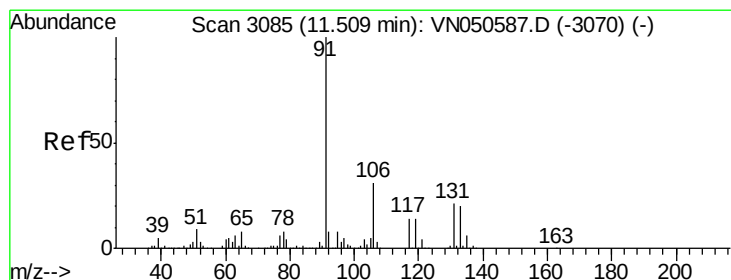
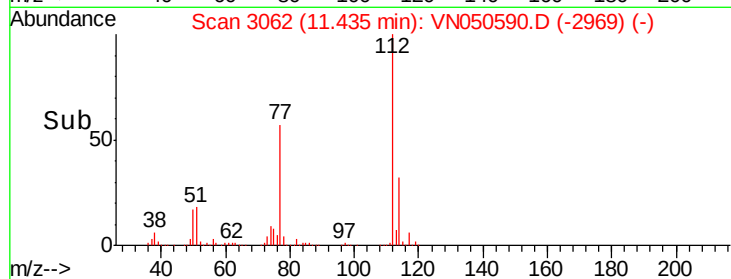
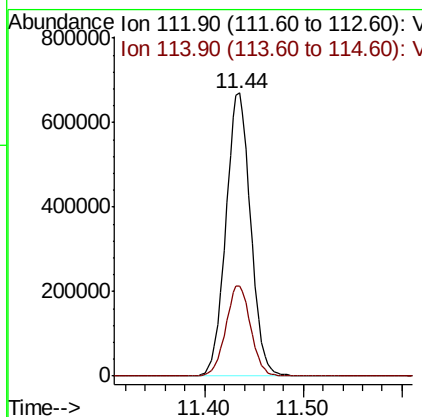
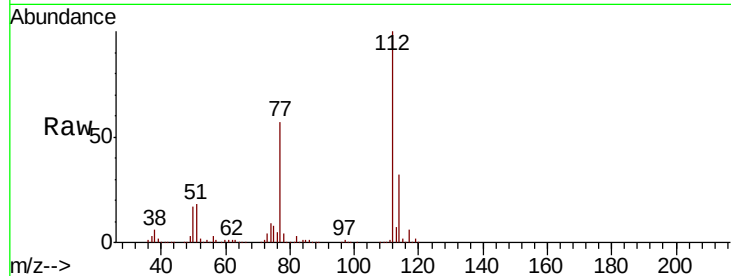
#65
Chlorobenzene
Concen: 50.02 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion:112 Resp: 1178712
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

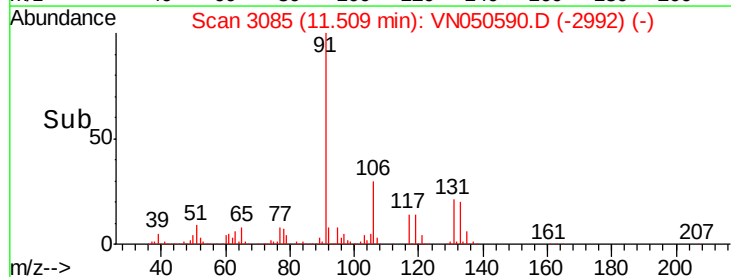
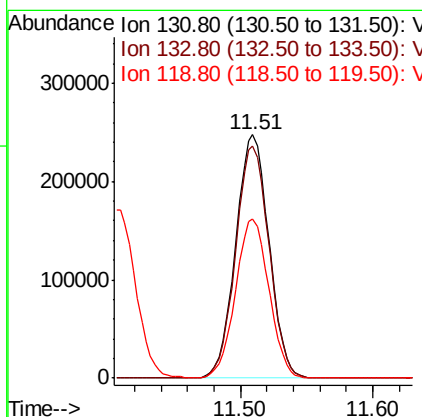
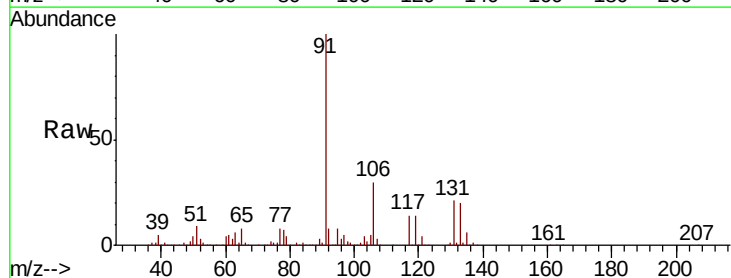
Manual Integrations
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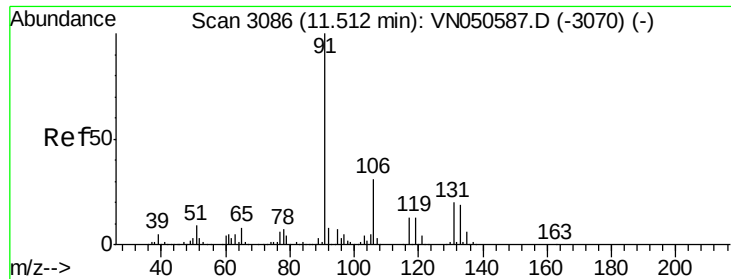
MMDadoda
8/15/2018 3:21:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.82 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion:131 Resp: 431324
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.8 33.1 99.3





#67

Ethyl Benzene

Concen: 53.24 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion: 91 Resp: 2025829

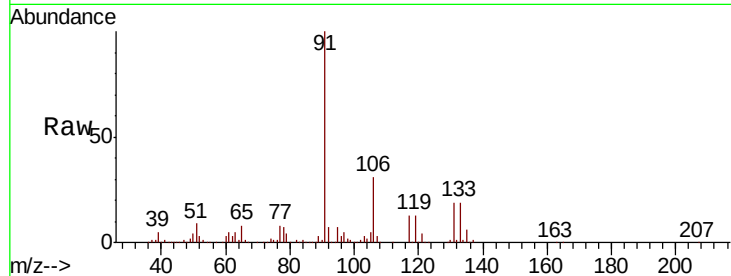
Ion Ratio Lower Upper

91 100

106 30.8 24.8 37.2

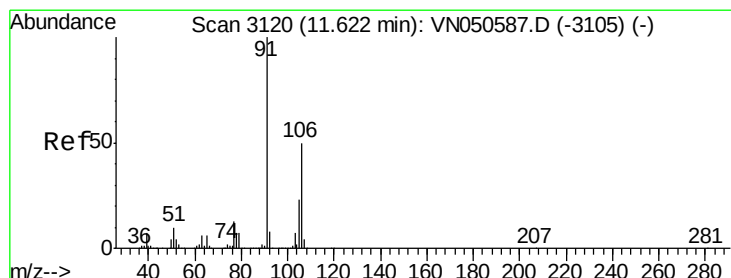
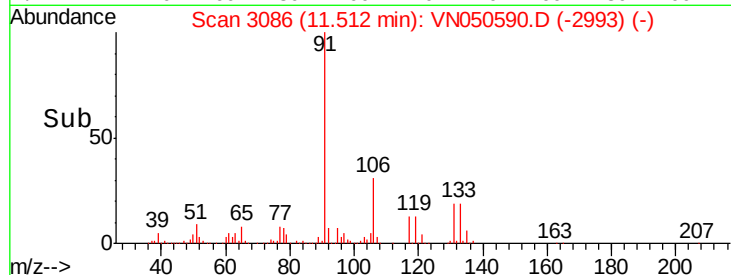
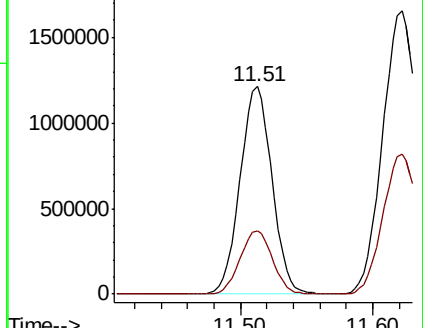
Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:21:52 PM



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN050587.D (-3070) (-)



#68

m/p-Xylenes

Concen: 107.22 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050590.D

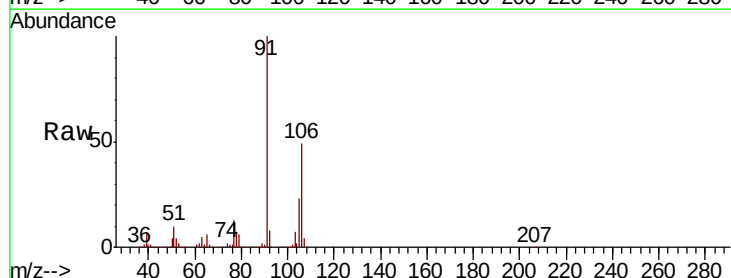
Acq: 14 Aug 2018 2:13

Tgt Ion: 106 Resp: 1560505

Ion Ratio Lower Upper

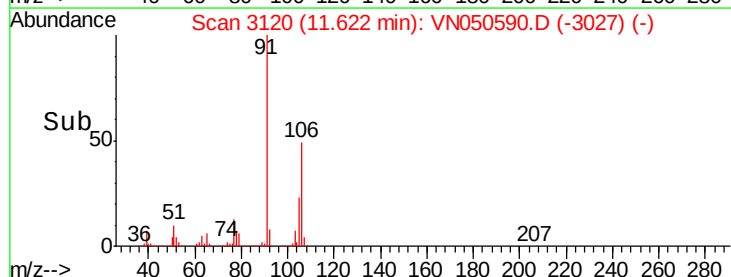
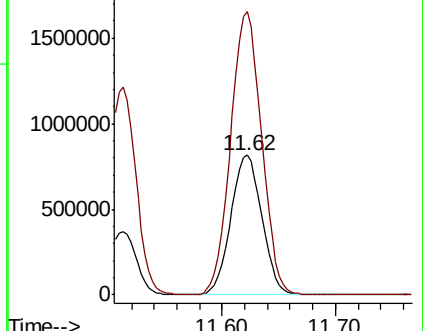
106 100

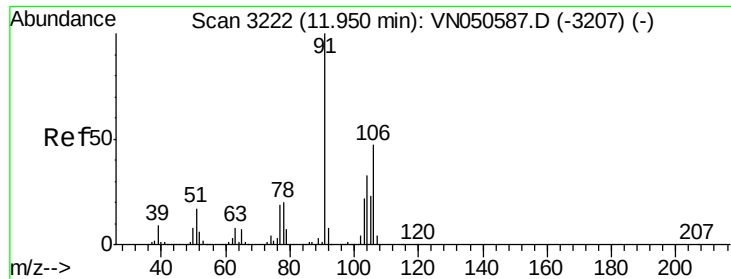
91 202.1 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN050587.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050587.D (-3105) (-)





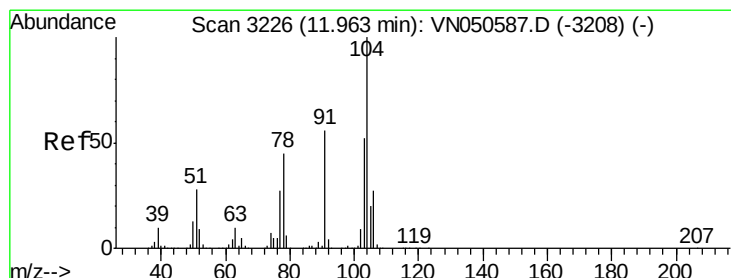
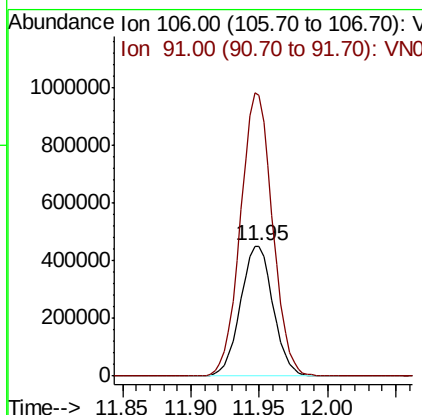
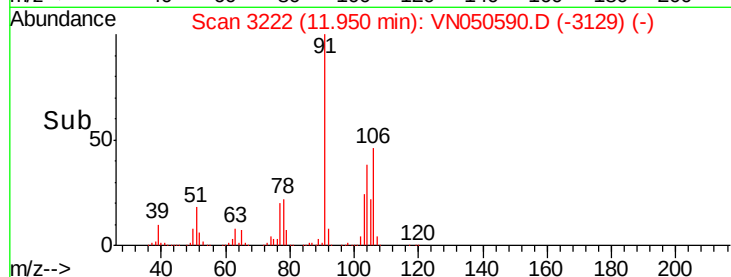
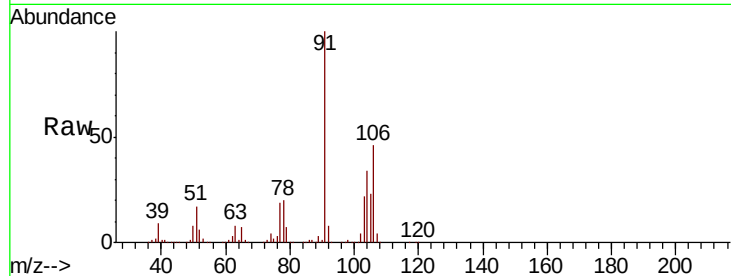
#69
o-Xylene
Concen: 53.98 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampled :
ICVVN081418

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.0	106.8	749157	320.4	

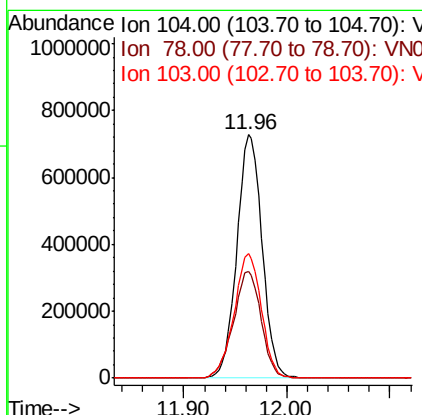
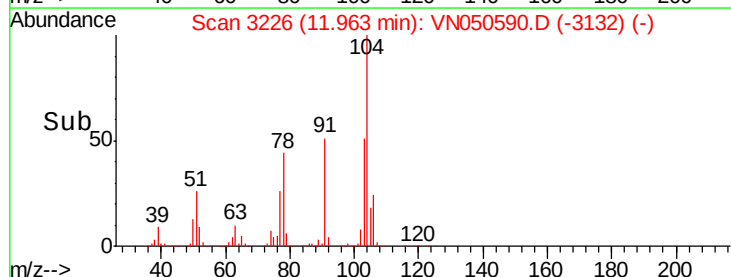
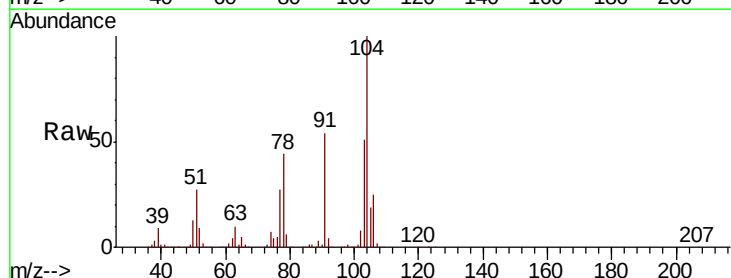
Manual Integrations
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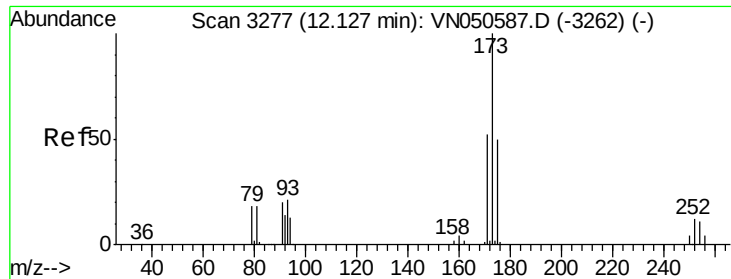
MMDadoda
8/15/2018 3:21:52 PM



#70
Styrene
Concen: 50.24 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.1	39.1	1240103	58.7	
103	55.4	44.9		67.3	





#71

Bromoform

Concen: 50.88 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

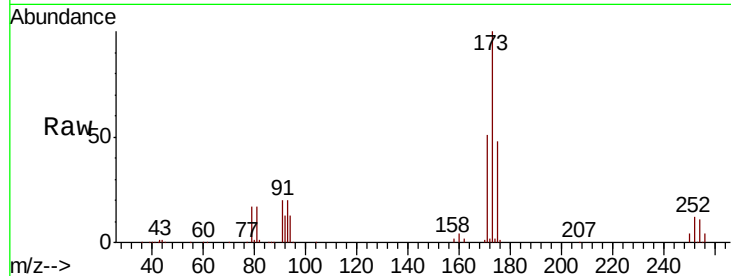
ClientSampled :

ICVVN081418

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.1	0.0	0.0#

Manual Integrations
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8/15/2018 3:21:52 PM

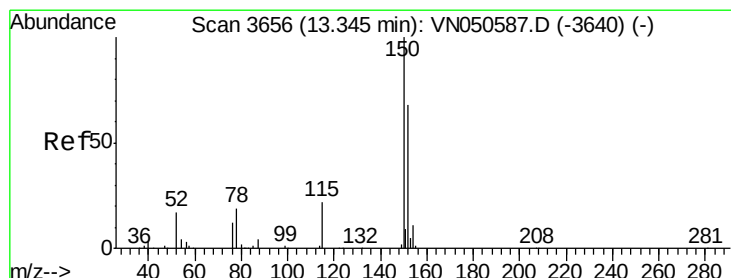
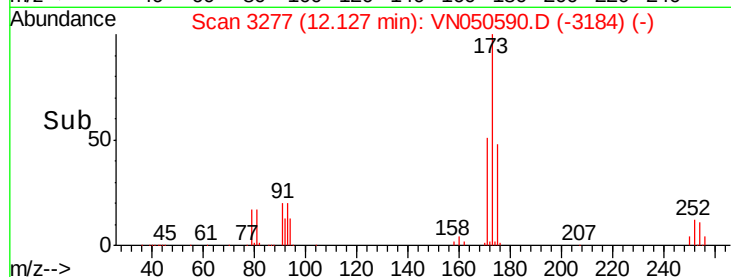
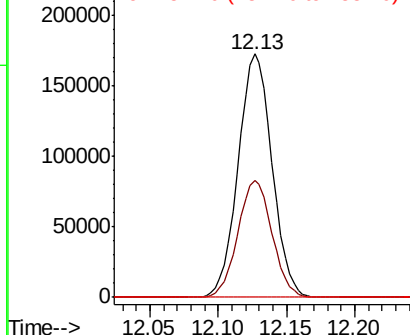


Abundance

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: 50.00 ug/l

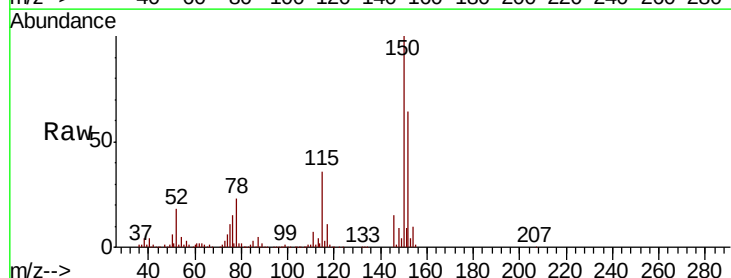
RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	172.9	0.0	347.8

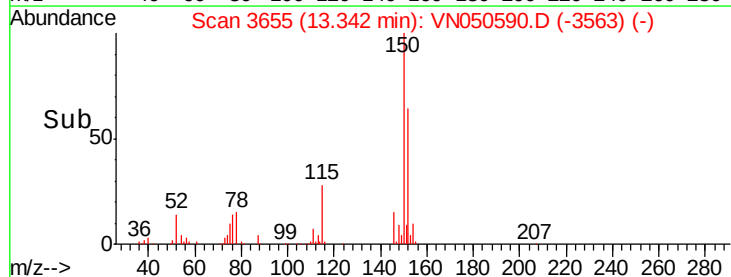
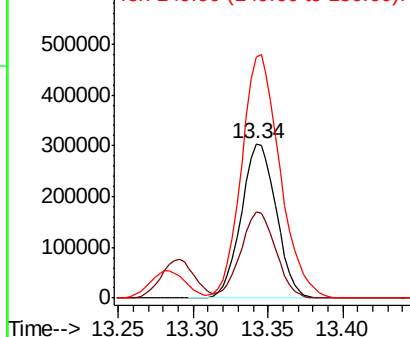


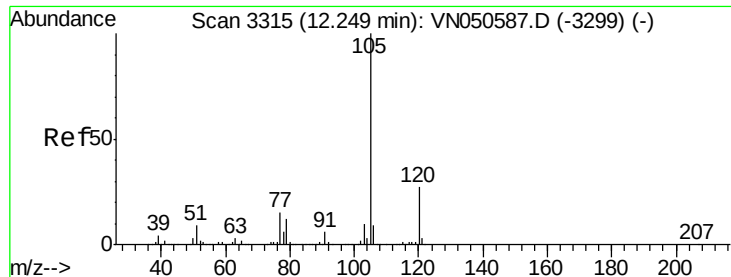
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.46 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampled :

ICVVN081418

Tot Ion:105 Resp: 1988649

Ion Ratio Lower Upper

105 100

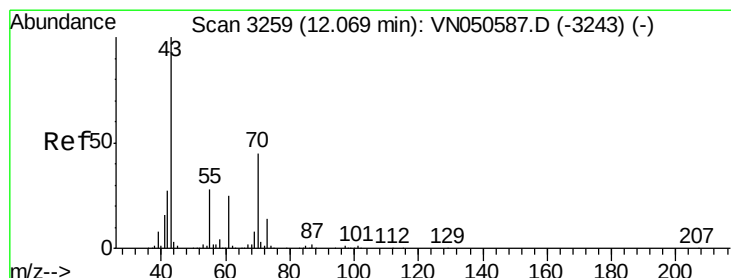
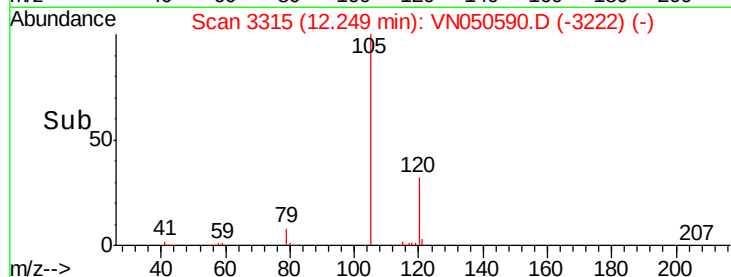
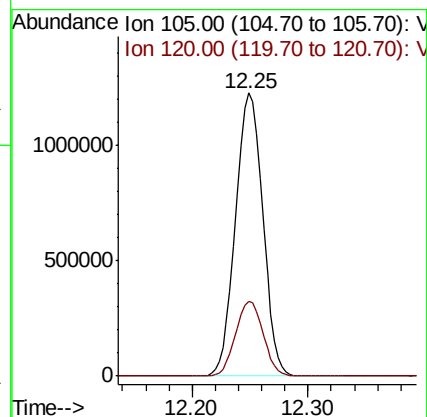
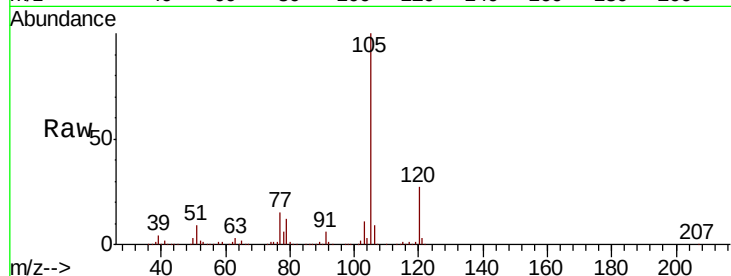
120 26.7 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:21:52 PM



#74

N-ethyl acetate

Concen: 51.65 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion: 43 Resp: 519294

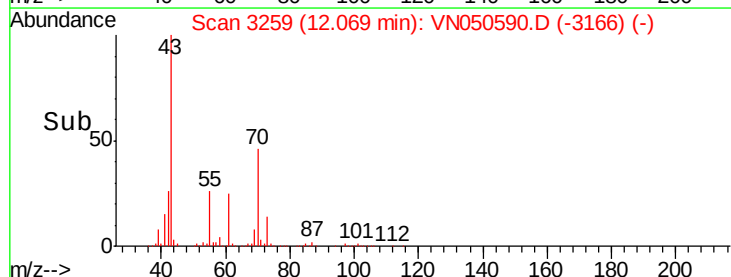
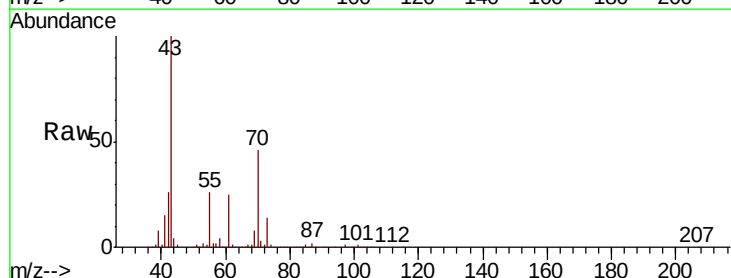
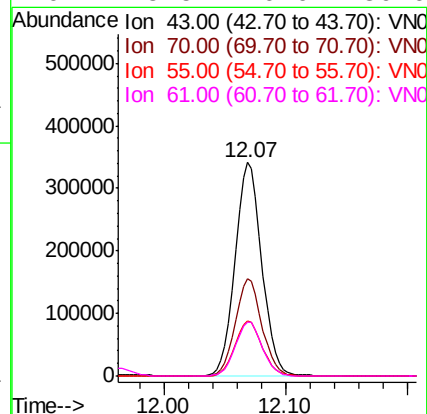
Ion Ratio Lower Upper

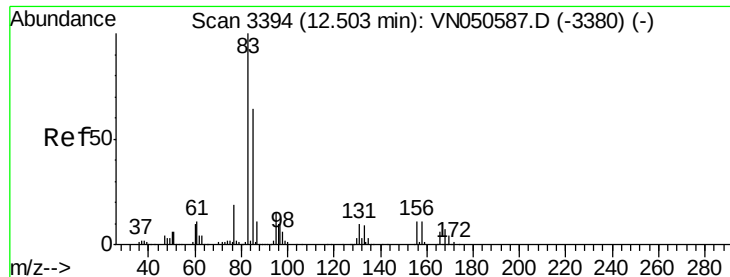
43 100

70 45.6 35.9 53.9

55 26.4 22.2 33.4

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.77 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

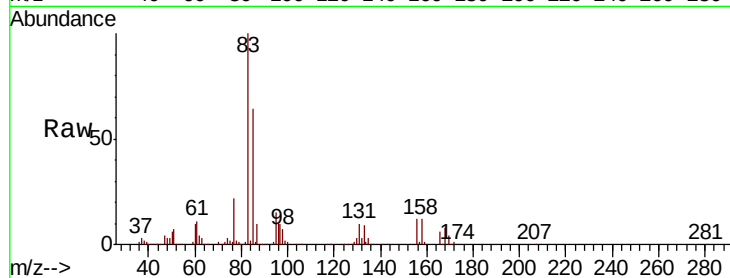
ClientSampled :

ICVVN081418

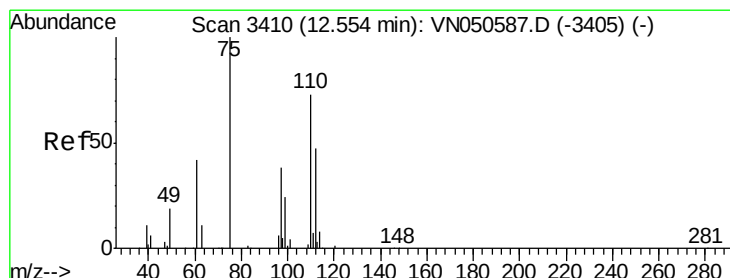
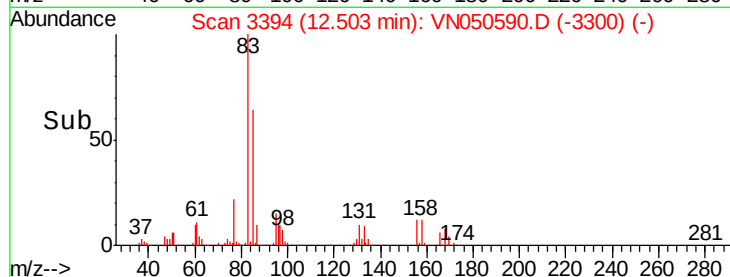
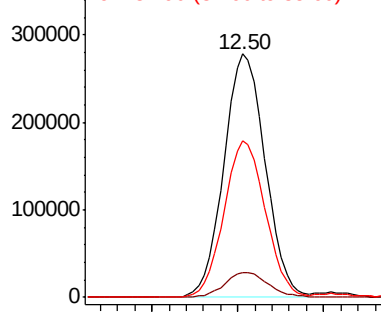
Tot Ion:	83	Resp:	463732
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.3	32.1	96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 51.46 ug/l m

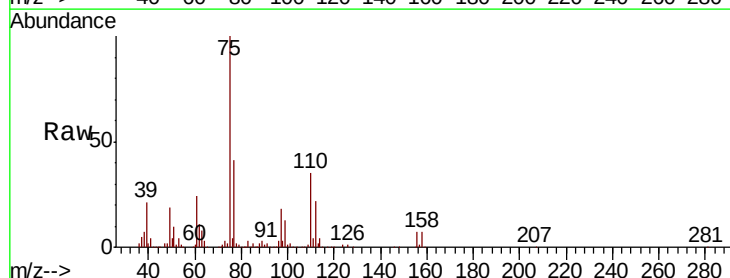
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

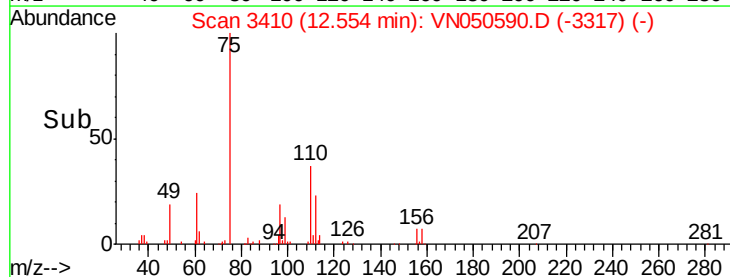
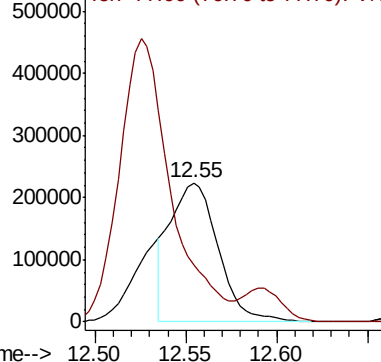
Lab File: VN050590.D

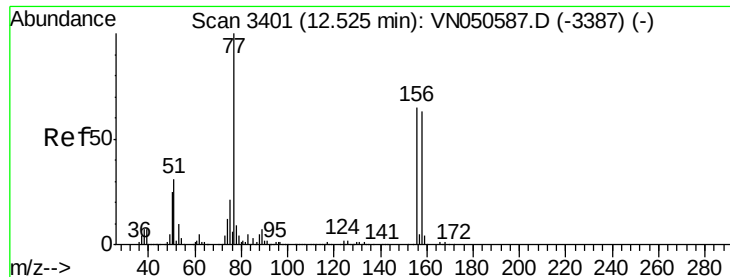
Acq: 14 Aug 2018 2:13

Tgt Ion:	75	Resp:	410980
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-3405) (-)





#77

Bromobenzene

Concen: 48.40 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

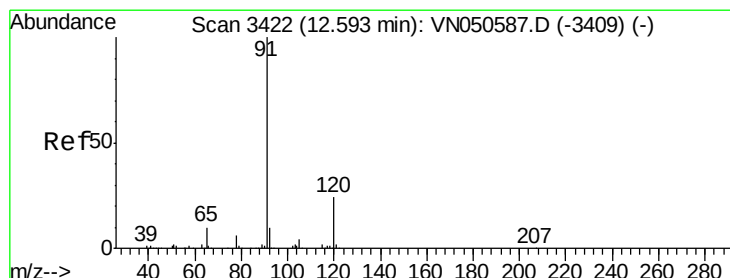
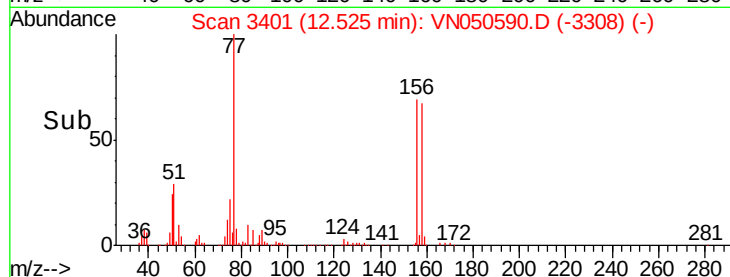
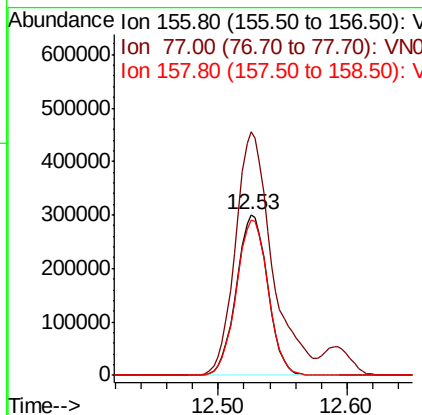
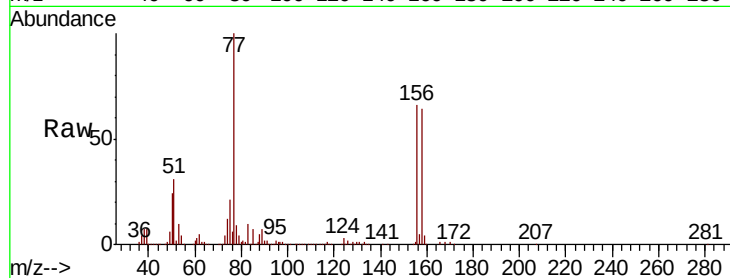
ClientSampled :

ICVVN081418

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		507821		
77	178.5	89.0	267.1		
158	98.0	48.5	145.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 52.42 ug/l

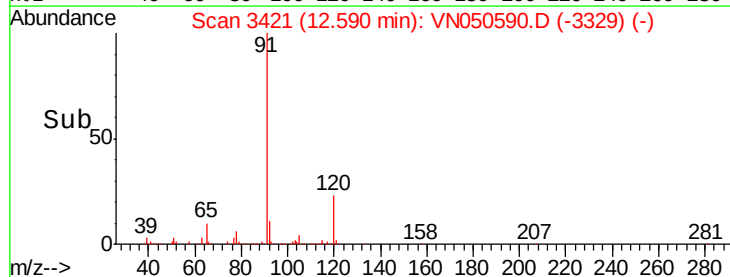
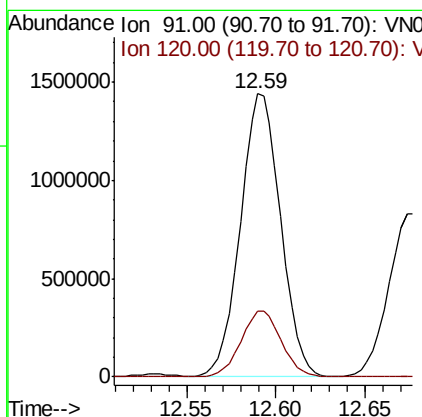
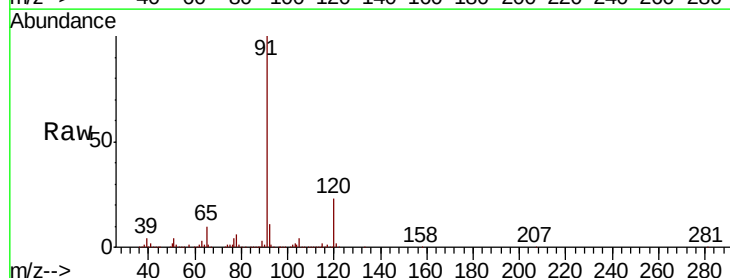
RT: 12.59 min Scan# 3421

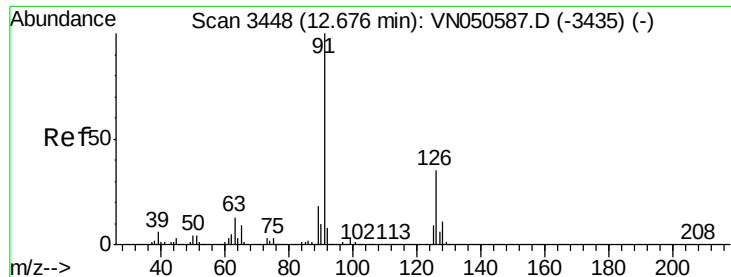
Delta R.T. -0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2258868		
120	23.3	11.8	35.4		





#79

2-Chlorotoluene

Concen: 50.19 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampled :

ICVVN081418

Tot Ion: 91 Resp: 1348415

Ion Ratio Lower Upper

91 100

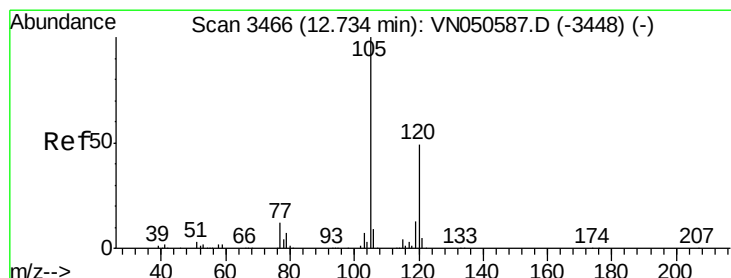
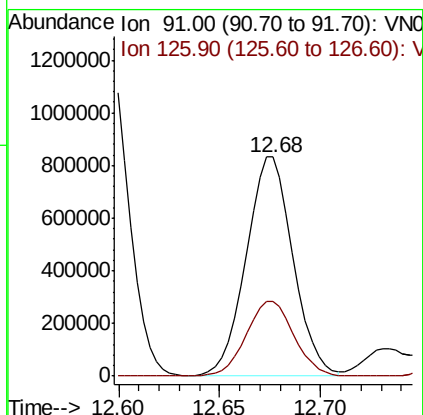
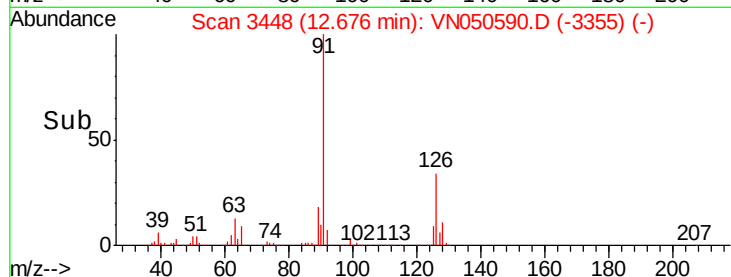
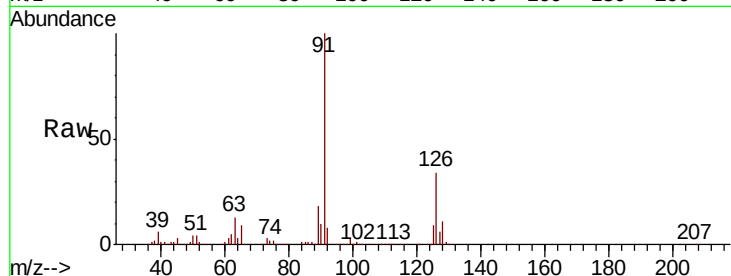
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.27 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050590.D

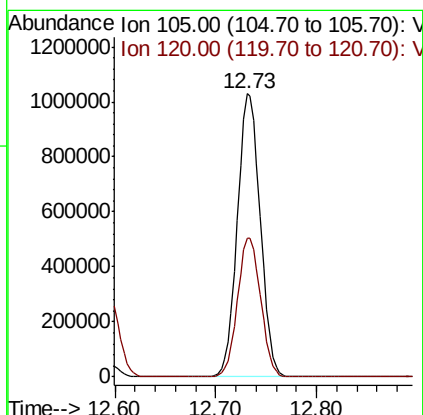
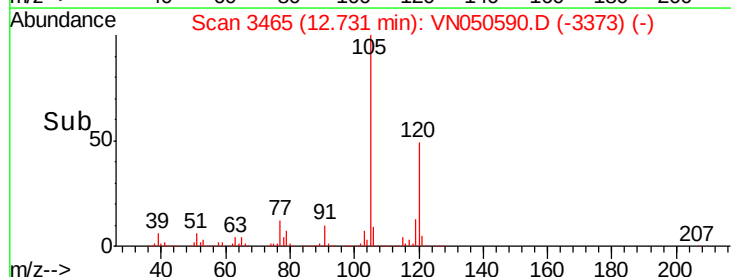
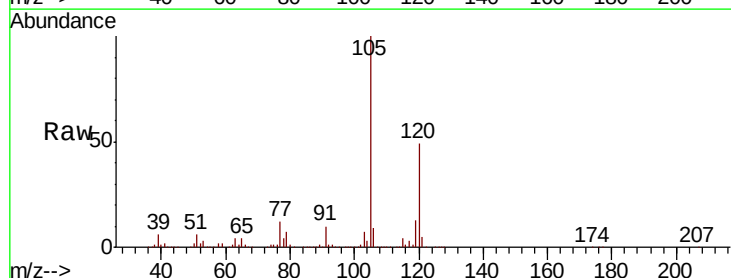
Acq: 14 Aug 2018 2:13

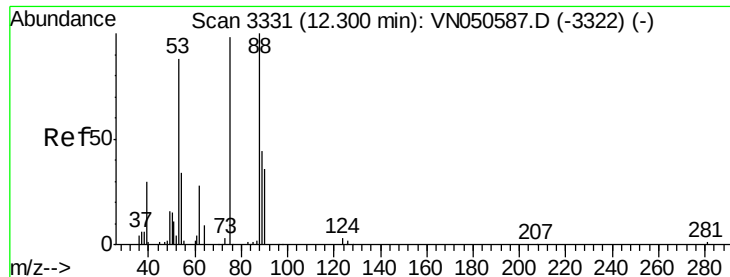
Tgt Ion: 105 Resp: 1617221

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1





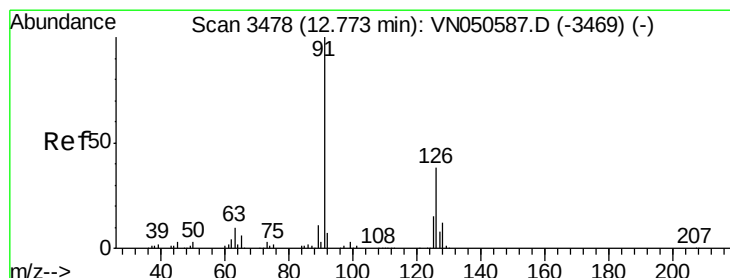
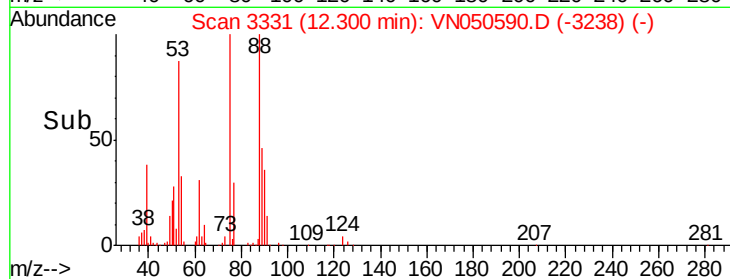
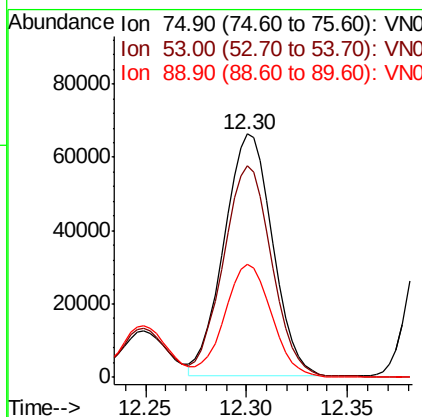
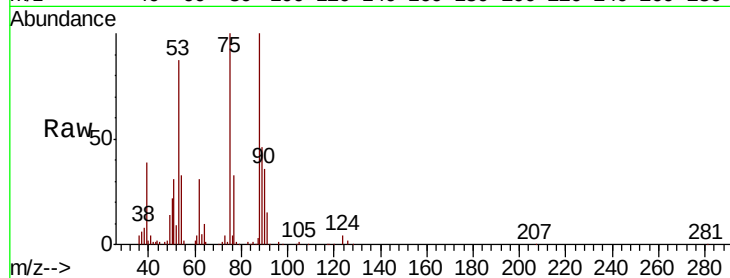
#81
trans-1,4-Dichloro-2-butene
Concen: 50.04 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	72.2	108.2
89	45.2	36.3	54.5

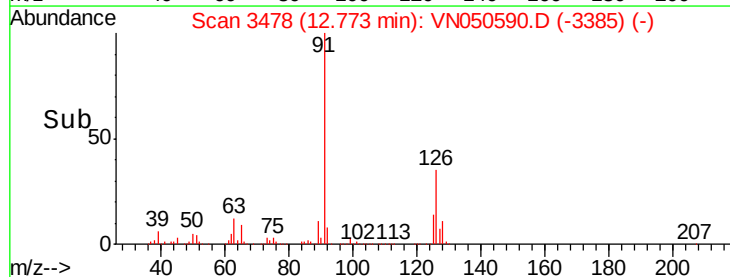
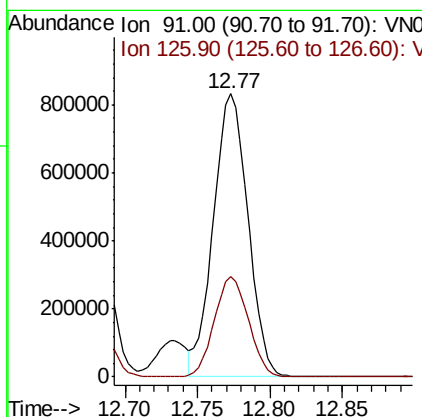
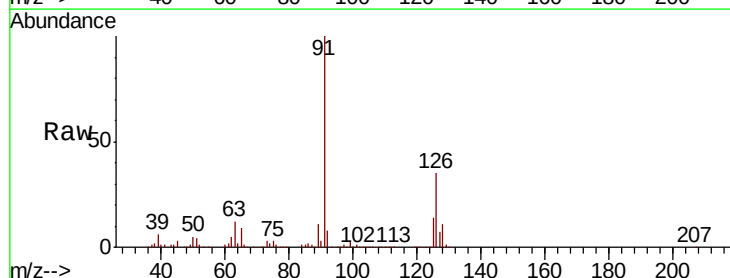
Manual Integrations
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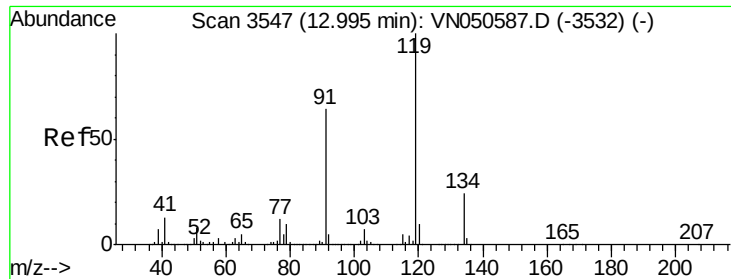
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.75 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	52.0





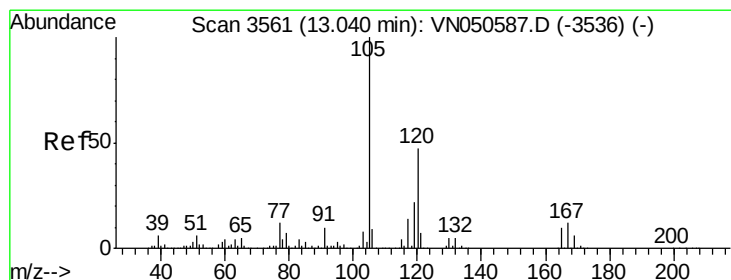
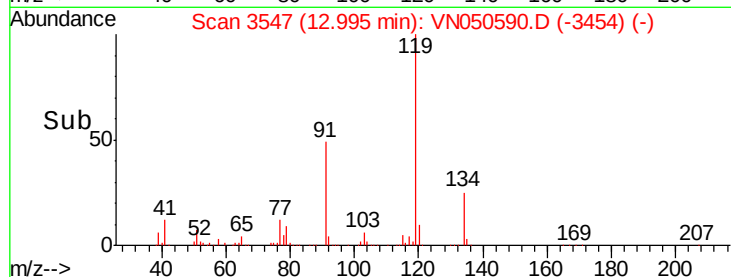
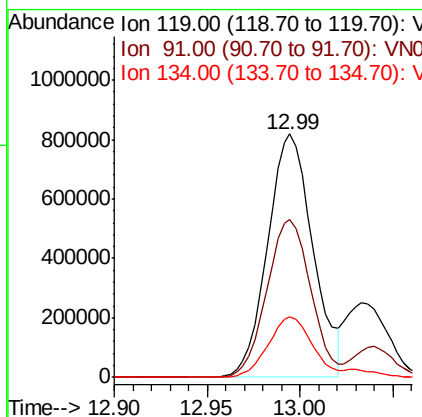
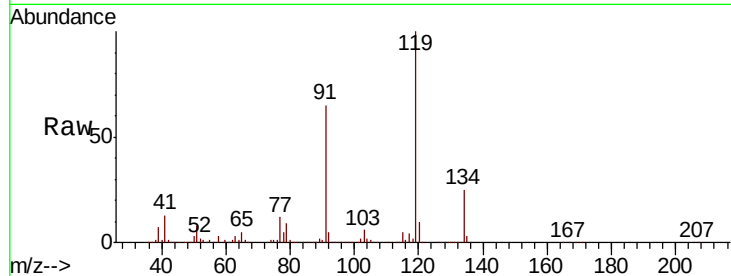
#83
 tert-Butylbenzene
 Concen: 52.00 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tot Ion:119 Resp: 1396484
 Ion Ratio Lower Upper
 119 100
 91 62.8 32.2 96.6
 134 24.4 13.4 40.2

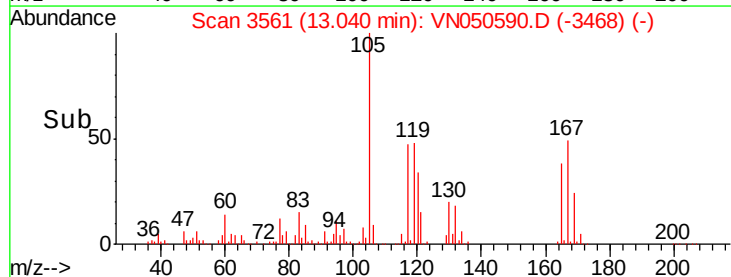
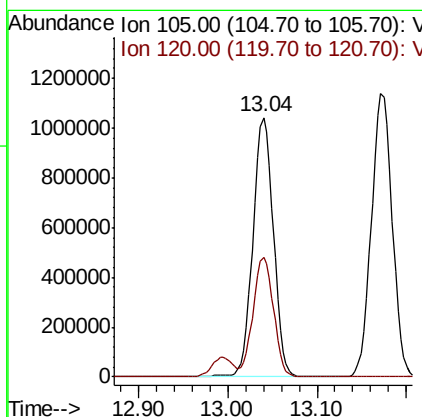
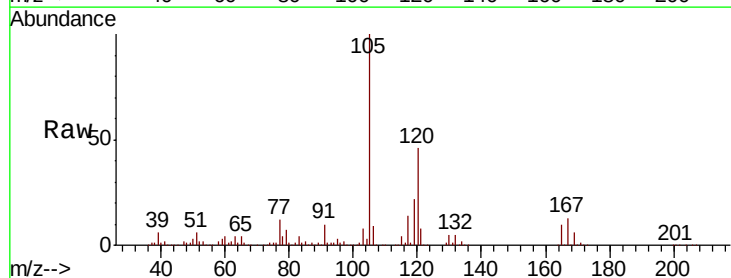
Manual Integrations
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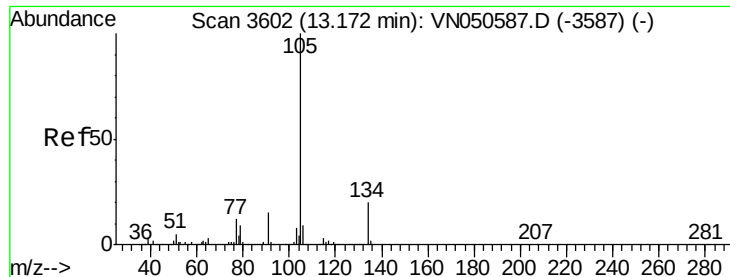
MMDadoda
 8/15/2018 3:21:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.48 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion:105 Resp: 1660794
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.5





#85

sec-Butylbenzene

Concen: 52.34 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081418

Tot Ion:105 Resp: 1837115

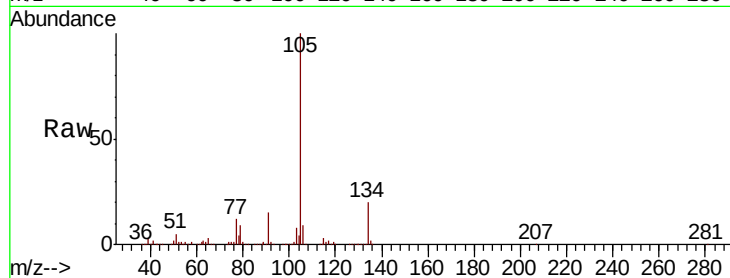
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3

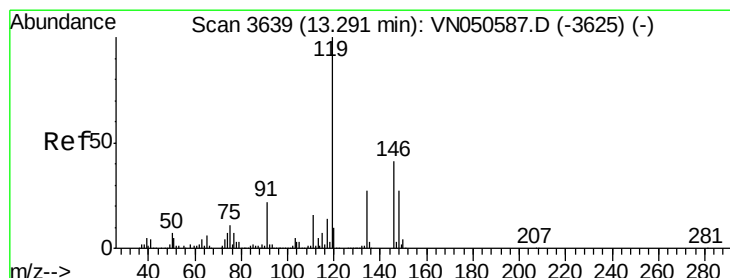
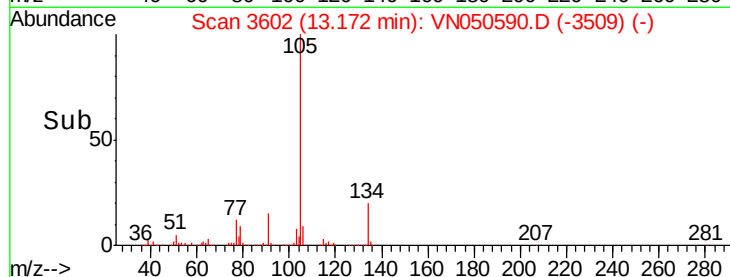
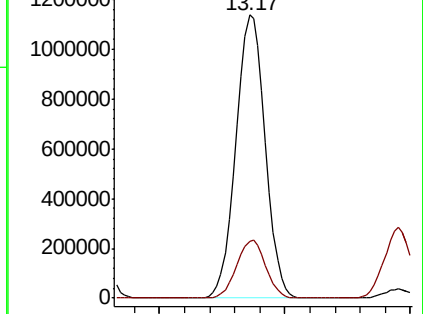
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.21 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050590.D

Acq: 14 Aug 2018 2:13

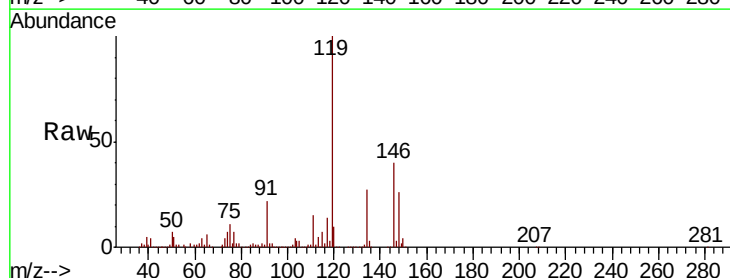
Tgt Ion:119 Resp: 1612075

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

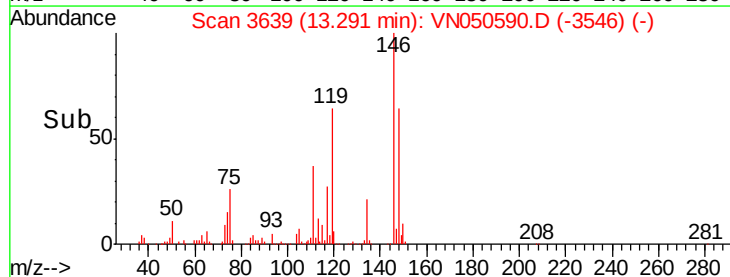
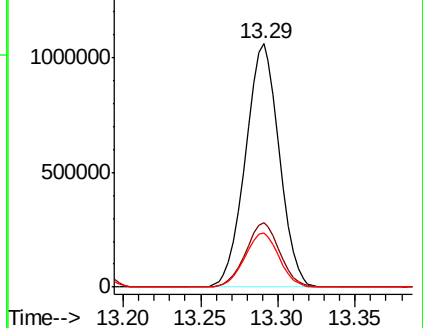
91 22.4 11.2 33.6

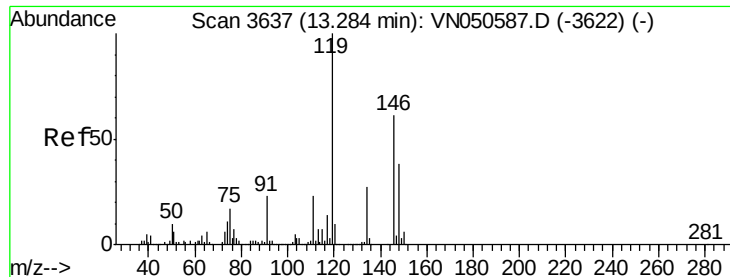


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





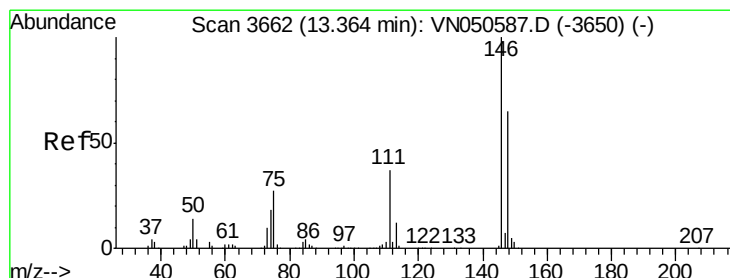
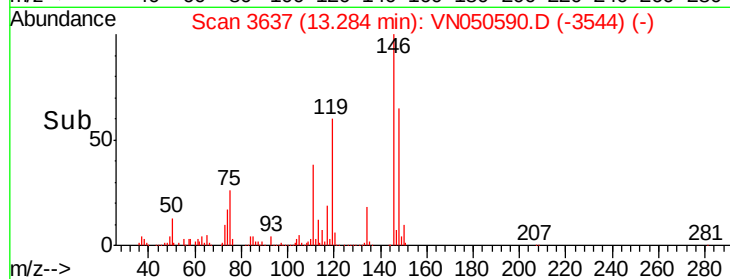
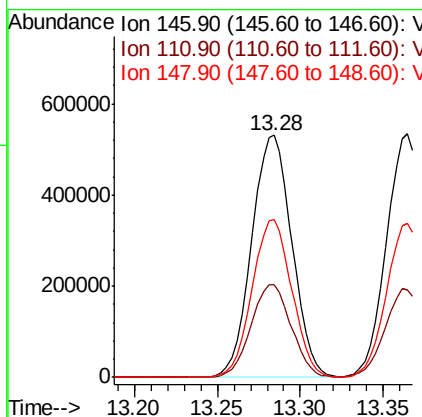
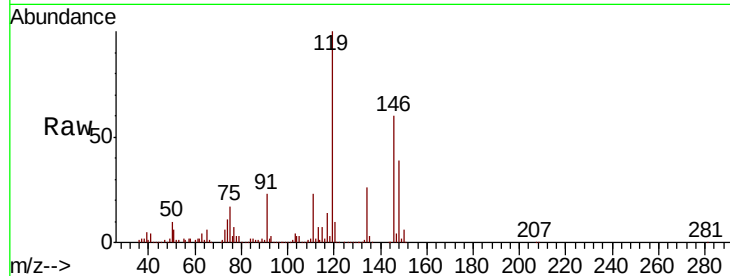
#87
 1,3-Dichlorobenzene
 Concen: 49.98 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Tot Ion:	146	Resp:	892654
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.2	57.6
148	64.5	31.9	95.7

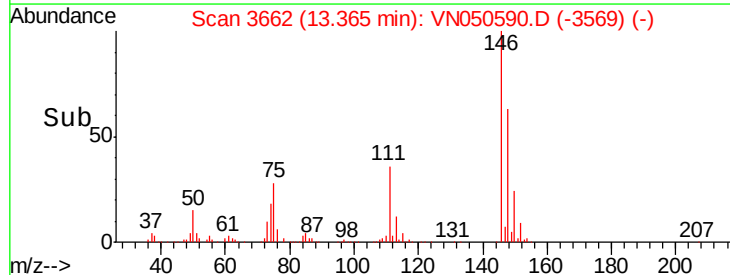
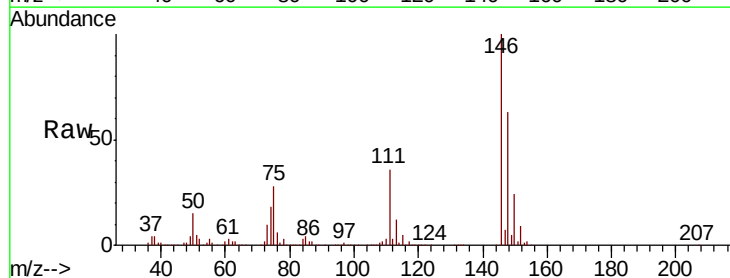
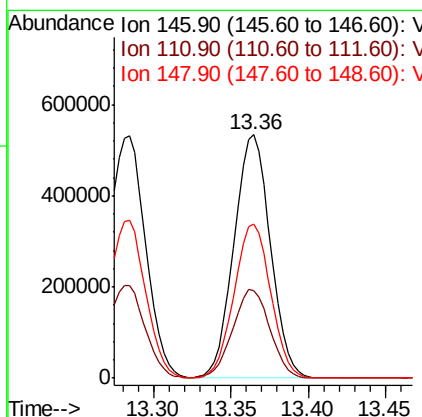
Manual Integrations
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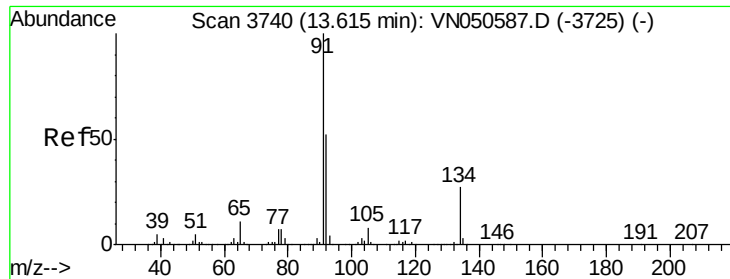
MMDadoda
 8/15/2018 3:21:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion:	146	Resp:	871943
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.8	56.4
148	63.8	32.3	96.8





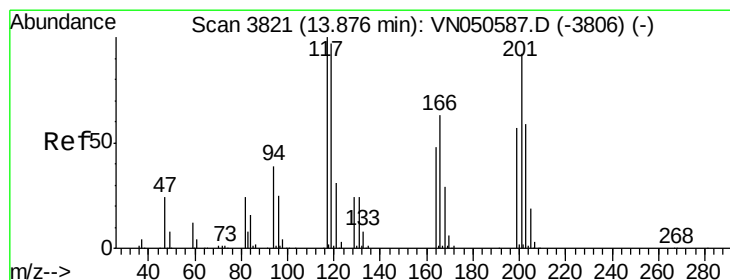
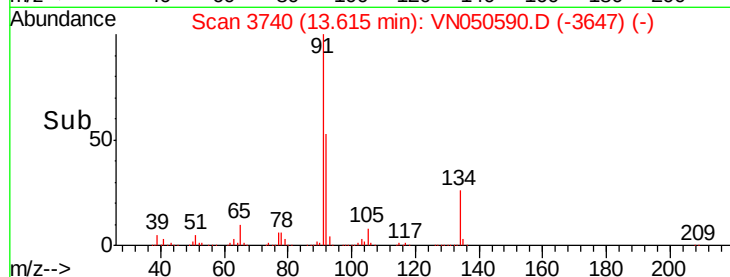
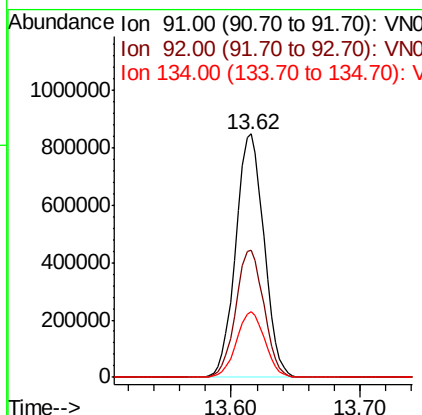
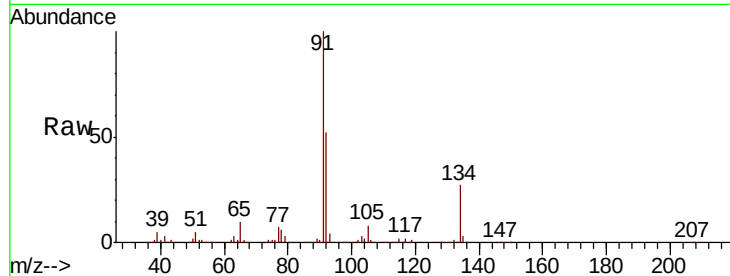
#89
n-Butylbenzene
Concen: 53.71 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampled :
ICVVN081418

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.8	13.3	39.9

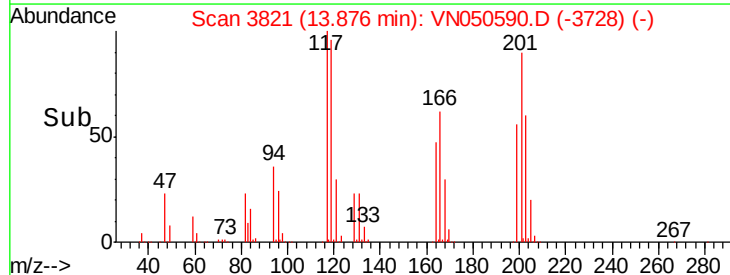
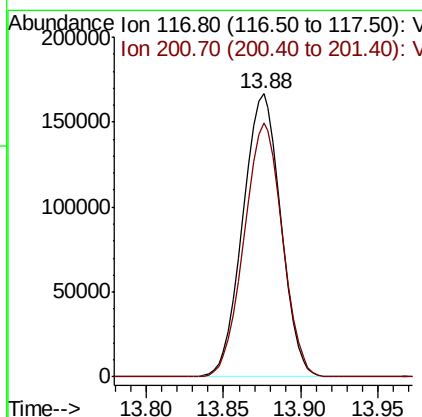
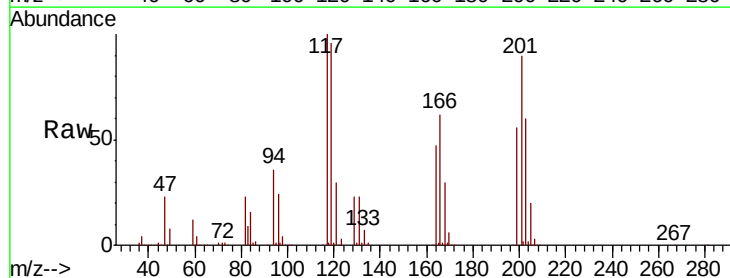
Manual Integrations
APPROVED

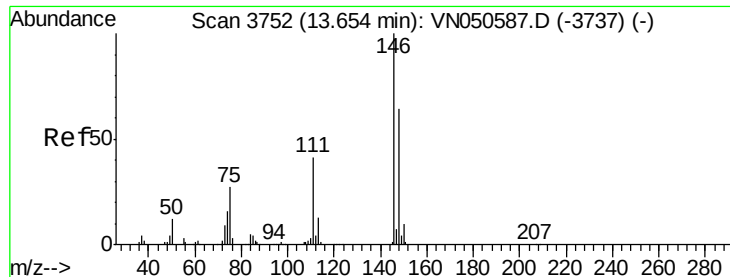
MMDadoda
8/15/2018 3:21:52 PM



#90
Hexachloroethane
Concen: 47.63 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.5	136.5





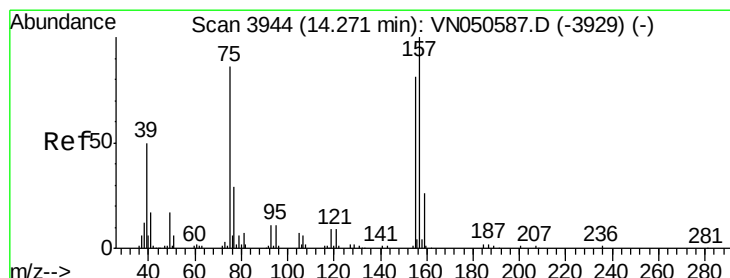
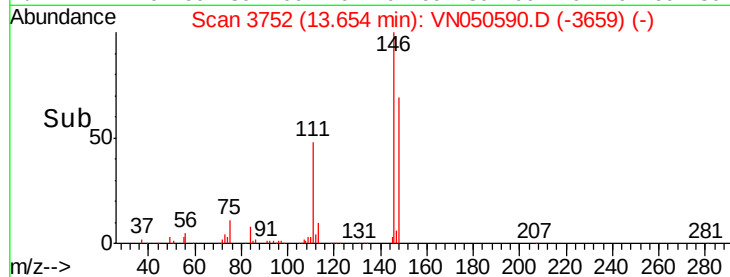
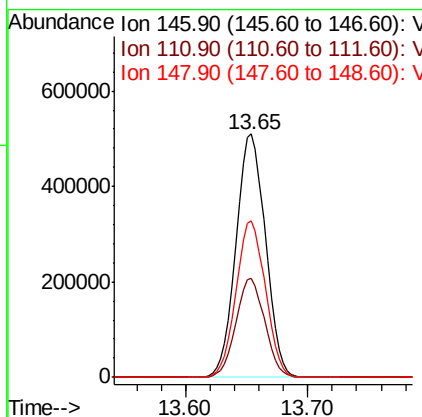
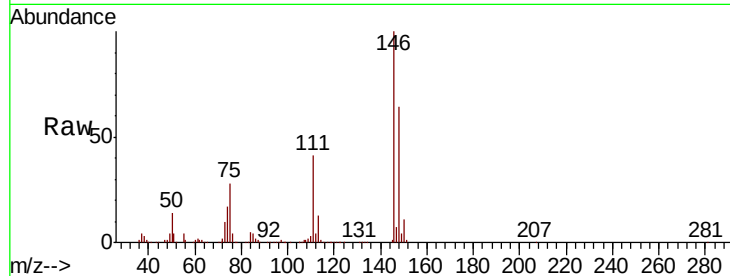
#91
 1,2-Dichlorobenzene
 Concen: 48.73 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Tot Ion	Ratio	Resp	Lower	Upper
146	100	849220		
111	39.9	19.8	59.4	
148	64.1	32.3	96.8	

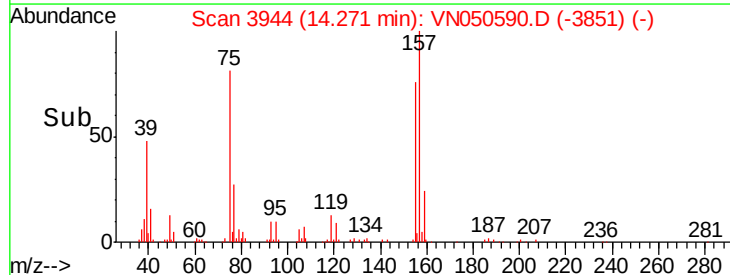
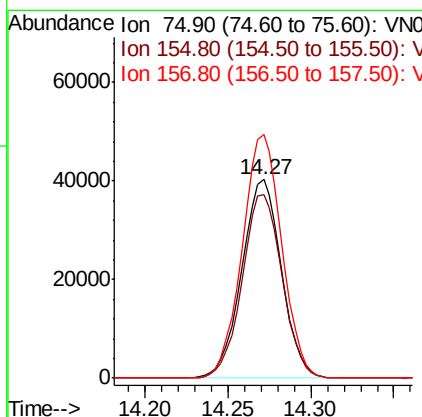
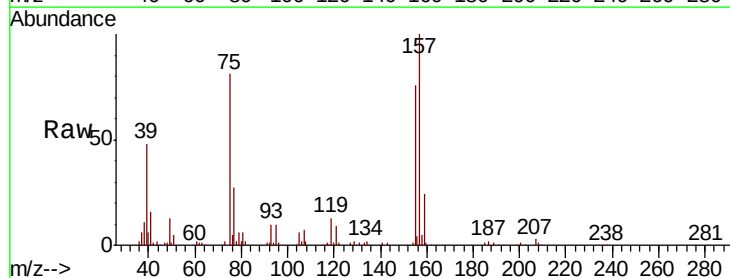
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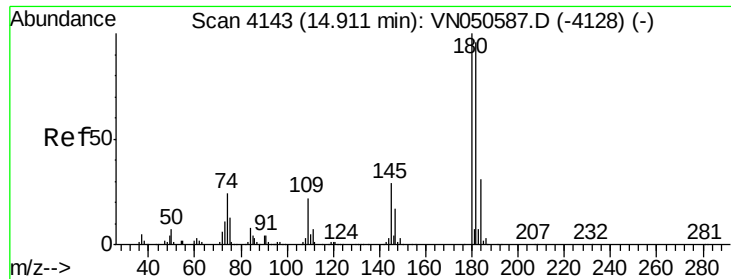
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.55 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66936		
155	92.9	46.6	139.8	
157	121.7	58.1	174.2	





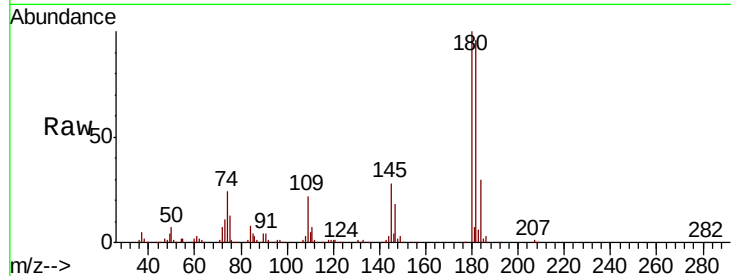
#93
 1,2,4-Trichlorobenzene
 Concen: 50.52 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Tot Ion	Ratio	Resp	Lower	Upper
180	100	451997		
182	95.2	47.9	143.7	
145	28.1	14.4	43.4	

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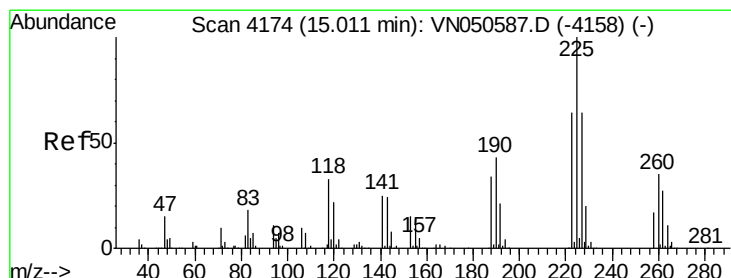
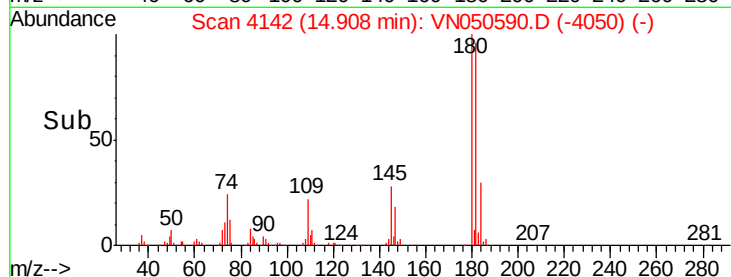
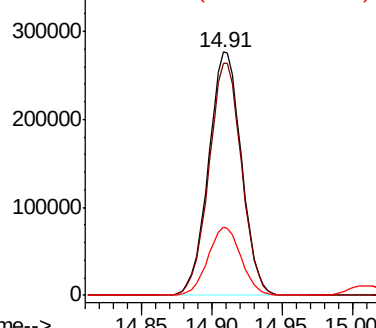


Abundance

Ion 179.80 (179.50 to 180.50): V

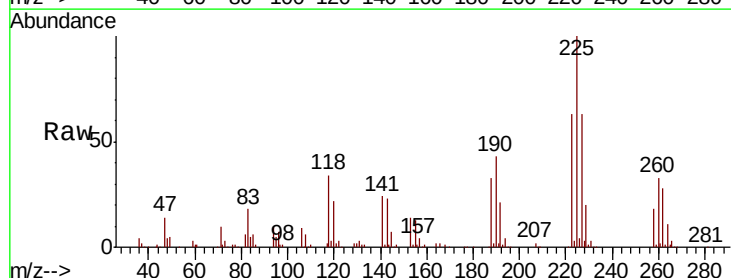
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.82 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	260811		
223	63.2	32.1	96.3	
227	64.1	32.0	96.2	

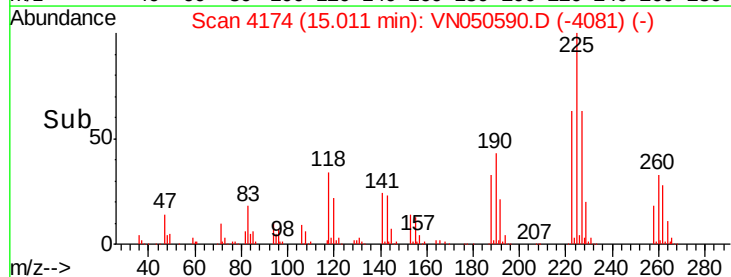
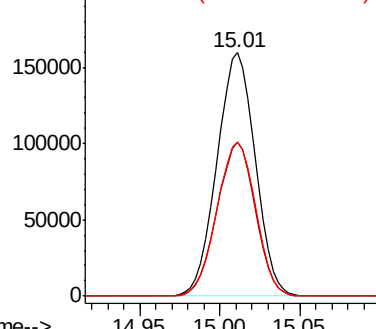


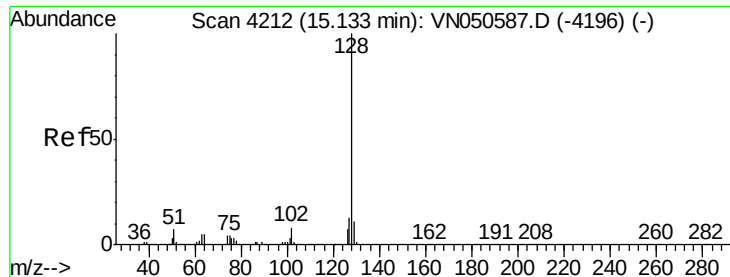
Abundance

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





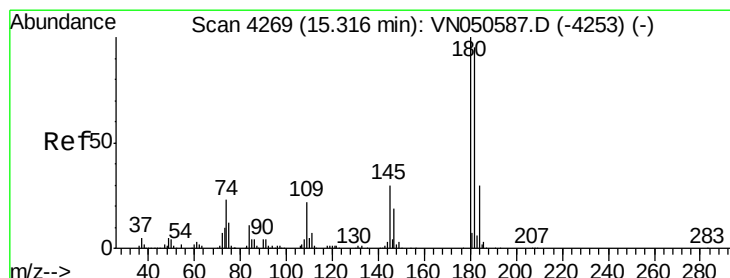
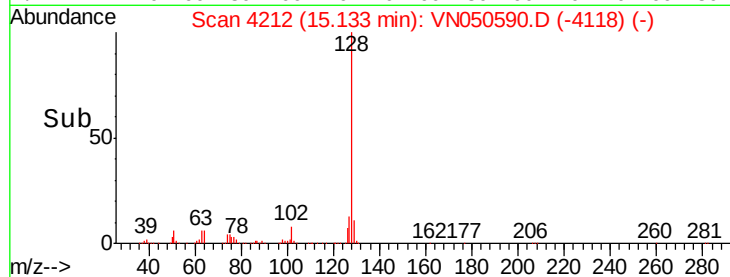
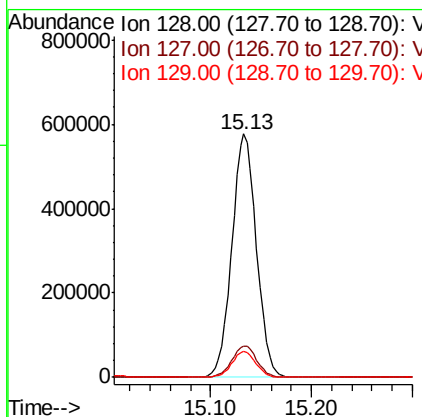
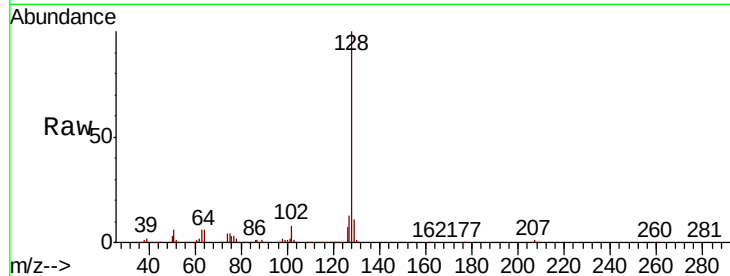
#95
Naphthalene
Concen: 51.15 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081418

Tot Ion	Ratio	Resp	Lower	Upper
128	100	974862		
127	13.2	10.3	15.5	
129	10.6	8.5	12.7	

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#96
1,2,3-Trichlorobenzene
Concen: 51.56 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	431257		
182	95.7	47.3	141.8	
145	29.5	14.6	44.0	

