

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082918\
 Data File : VN050938.D
 Acq On : 29 Aug 2018 9:56
 Operator : MD\SY
 Sample : VN0829WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 11:07:32 AM

Quant Time: Aug 29 14:47:38 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	571565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	822162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	737876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	356176	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.59	113	336871	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.09	98	1244882	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	396185	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155208	20.291	ug/l	98
3) Chloromethane	2.06	50	175373	18.589	ug/l	99
4) Vinyl Chloride	2.18	62	174888	19.569	ug/l	97
5) Bromomethane	2.56	94	97136	18.449	ug/l	98
6) Chloroethane	2.70	64	99327	19.235	ug/l	98
7) Trichlorofluoromethane	3.01	101	228687	19.983	ug/l	99
8) Diethyl Ether	3.41	74	78859	20.265	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142258	19.897	ug/l	98
10) Methyl Iodide	3.95	142	111016	21.790	ug/l	99
11) Tert butyl alcohol	4.80	59	51135	116.704	ug/l	98
12) 1,1-Dichloroethene	3.73	96	123287	19.205	ug/l	99
13) Acrolein	3.61	56	16152	76.518	ug/l	100
14) Allyl chloride	4.32	41	196397	19.634	ug/l	99
15) Acrylonitrile	4.99	53	245803	110.385	ug/l	98
16) Acetone	3.82	43	175340	103.470	ug/l	98
17) Carbon Disulfide	4.05	76	372123	17.292	ug/l	99
18) Methyl Acetate	4.33	43	150118	23.104	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	341282	21.135	ug/l	99
20) Methylene Chloride	4.55	84	149699	19.303	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	136603	19.674	ug/l	99
22) Diisopropyl ether	5.96	45	423719	21.255	ug/l	98
23) Vinyl Acetate	5.90	43	1297439	101.061	ug/l	100
24) 1,1-Dichloroethane	5.85	63	254577	19.891	ug/l	99
25) 2-Butanone	6.84	43	268047	96.665	ug/l	100
26) 2,2-Dichloropropane	6.83	77	199144	19.365	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	151797	20.279	ug/l	99
28) Bromochloromethane	7.20	49	111431	20.490	ug/l	99
29) Tetrahydrofuran	7.22	42	179739	113.055	ug/l	100
30) Chloroform	7.37	83	258204	20.374	ug/l	99
31) Cyclohexane	7.65	56	214418	18.725	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	216477	19.886	ug/l	99
36) 1,1-Dichloropropene	7.80	75	188515	19.431	ug/l	99
37) Ethyl Acetate	6.94	43	118092	21.190	ug/l	100
38) Carbon Tetrachloride	7.78	117	192775	19.657	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197719	18.837	ug/l	99
40) Benzene	8.05	78	589189	20.139	ug/l	100
41) Methacrylonitrile	7.18	41	66286	21.978	ug/l	92
42) 1,2-Dichloroethane	8.13	62	176531	20.182	ug/l	99
43) Isopropyl Acetate	8.17	43	208431	21.752	ug/l	100
44) Trichloroethene	8.84	130	153523	19.897	ug/l	97
45) 1,2-Dichloropropane	9.12	63	156844	20.398	ug/l	99
46) Dibromomethane	9.21	93	92427	20.458	ug/l	98
47) Bromodichloromethane	9.40	83	194931	20.600	ug/l	97
48) Methyl methacrylate	9.20	41	104573	21.414	ug/l	99
49) 1,4-Dioxane	9.20	88	29857	448.488	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	601791	105.241	ug/l	100
52) Toluene	10.16	92	359323	20.733	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	184434	19.582	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	218909	20.297	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	134154	20.856	ug/l	98
56) Ethyl methacrylate	10.43	69	153866	19.874	ug/l	100
57) 1,3-Dichloropropane	10.71	76	218833	20.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	309100	92.737	ug/l	100
59) 2-Hexanone	10.75	43	389212	102.243	ug/l	99
60) Dibromochloromethane	10.90	129	147803	20.522	ug/l	99
61) 1,2-Dibromoethane	11.01	107	128816	20.710	ug/l	99
64) Tetrachloroethene	10.63	164	137446	19.611	ug/l	99
65) Chlorobenzene	11.44	112	388211	20.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	145230	20.581	ug/l	98
67) Ethyl Benzene	11.51	91	632420	20.170	ug/l	99
68) m/p-Xylenes	11.62	106	494081	41.515	ug/l	100
69) o-Xylene	11.95	106	236865	20.702	ug/l	99
70) Styrene	11.96	104	372428	19.271	ug/l	99
71) Bromoform	12.13	173	103859	21.402	ug/l #	100
73) Isopropylbenzene	12.25	105	629032	21.615	ug/l	100
74) N-amyl acetate	12.07	43	156165	21.357	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	168351	23.394	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	140995m	22.905	ug/l	
77) Bromobenzene	12.53	156	164256	20.768	ug/l	99
78) n-propylbenzene	12.59	91	696910	21.437	ug/l	100
79) 2-Chlorotoluene	12.68	91	431074	21.288	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	517603	22.043	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37451	20.567	ug/l	96
82) 4-Chlorotoluene	12.77	91	425306	21.275	ug/l	99
83) tert-Butylbenzene	12.99	119	443525	21.810	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	525205	22.235	ug/l	100
85) sec-Butylbenzene	13.17	105	583958	21.914	ug/l	99
86) p-Isopropyltoluene	13.29	119	490308	21.593	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	272888	20.332	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	266219	20.154	ug/l	99
89) n-Butylbenzene	13.62	91	364572	20.075	ug/l	99
90) Hexachloroethane	13.88	117	95925	22.269	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	267187	20.634	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22698	21.718	ug/l	97

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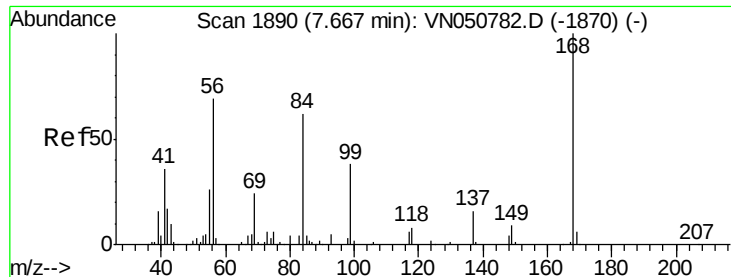
Manual Integrations
APPROVED

MMDadoda
8/30/2018 11:07:32 AM

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104821	18.373	ug/l	100
94) Hexachlorobutadiene	15.01	225	85238	21.570	ug/l	99
95) Naphthalene	15.14	128	201457	18.197	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	109570	19.504	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion:168 Resp: 571565

Ion Ratio Lower Upper

168 100

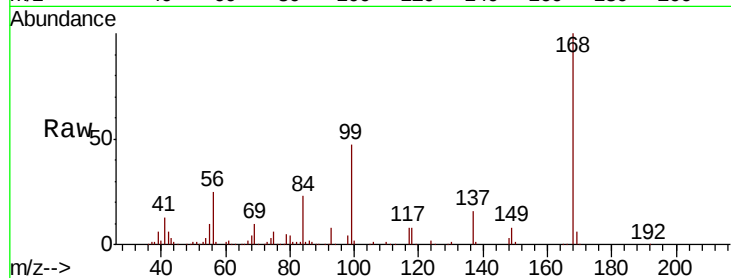
99 47.0 39.6 59.4

Manual Integrations

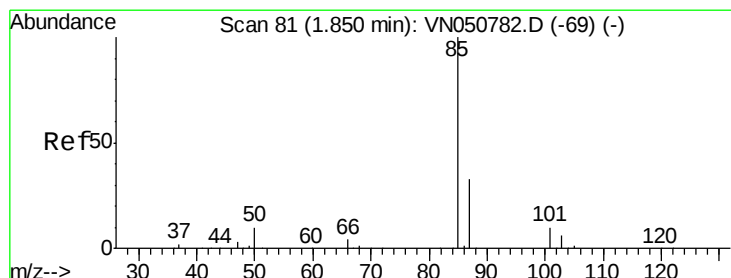
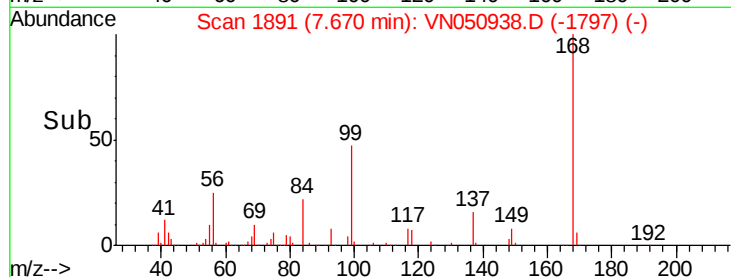
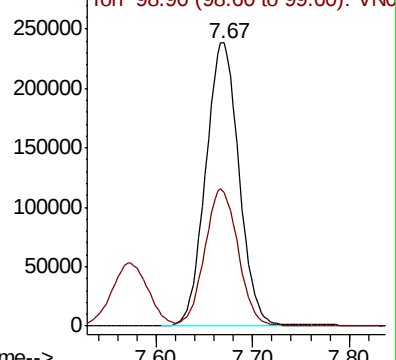
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8/30/2018 11:07:32 AM



Abundance Ion 167.90 (167.60 to 168.60): VN050938.D (-1797) (-)



#2

Dichlorodifluoromethane

Concen: 20.291 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050938.D

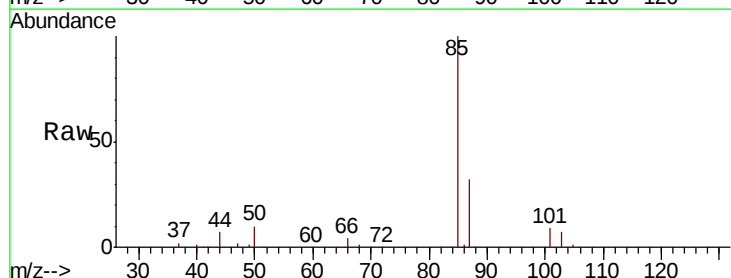
Acq: 29 Aug 2018 9:56

Tgt Ion: 85 Resp: 155208

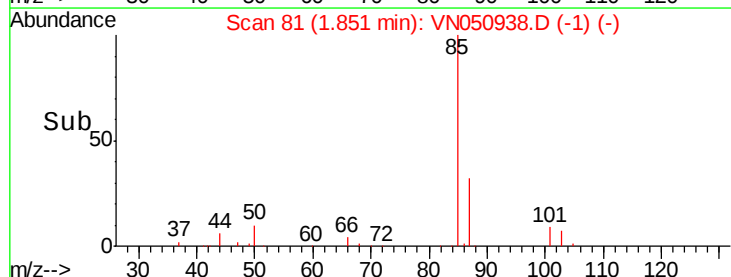
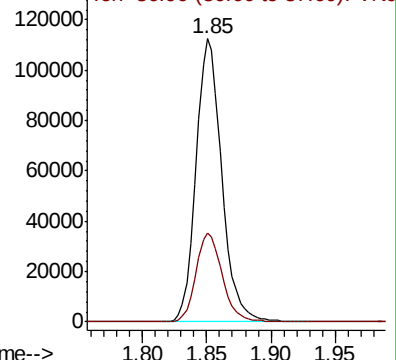
Ion Ratio Lower Upper

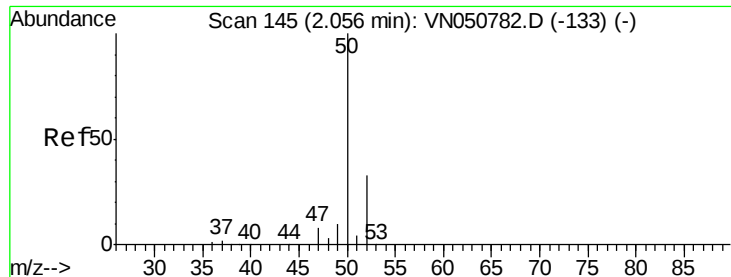
85 100

87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN050938.D (-1) (-)





#3

Chloromethane

Concen: 18.589 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 50 Resp: 175373

Ion Ratio Lower Upper

50 100

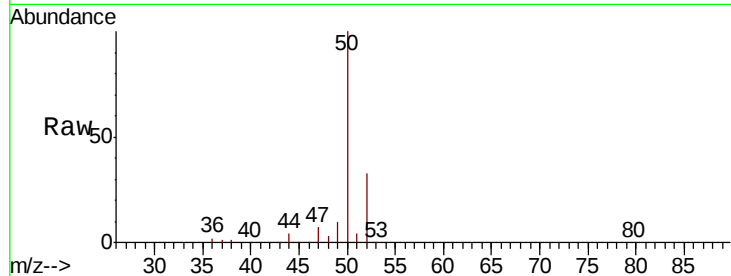
52 33.5 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN050938.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050938.D (-52) (-)

2.06

150000

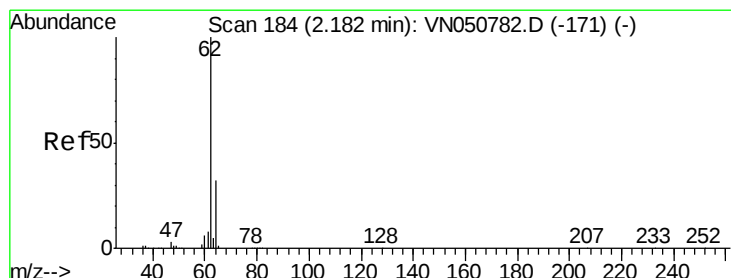
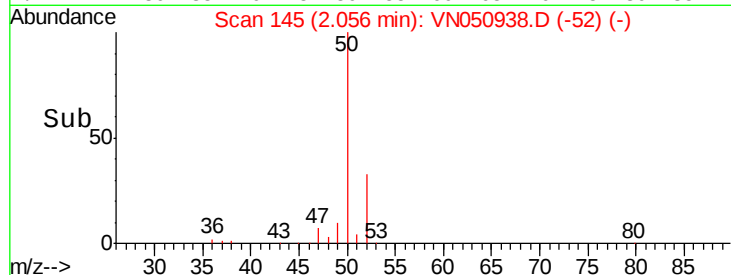
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 19.569 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050938.D

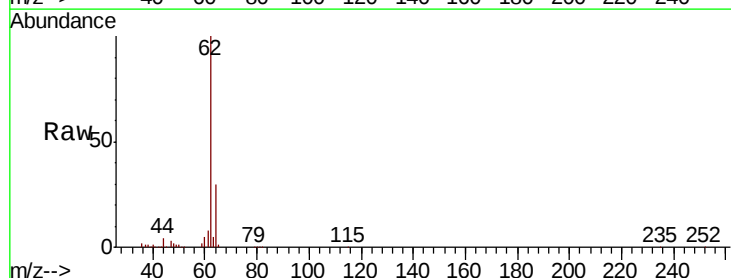
Acq: 29 Aug 2018 9:56

Tgt Ion: 62 Resp: 174888

Ion Ratio Lower Upper

62 100

64 30.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN050938.D (-91) (-)

Ion 63.90 (63.60 to 64.60): VN050938.D (-91) (-)

2.18

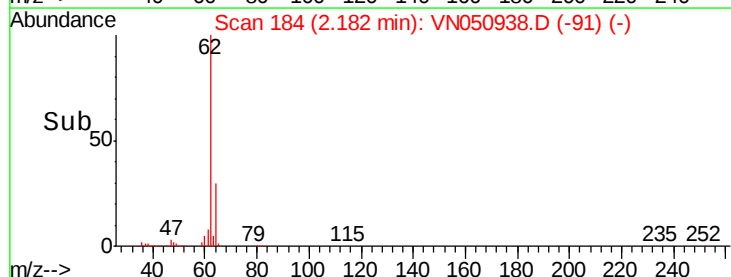
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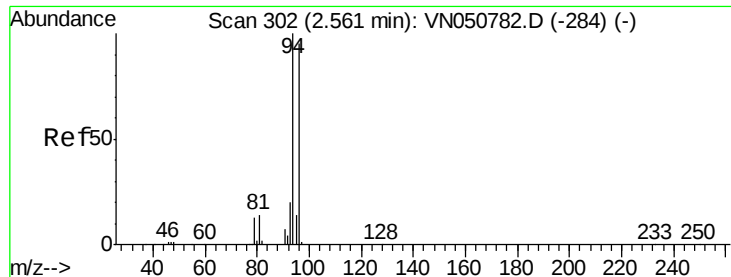
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 18.449 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 94 Resp: 97136

Ion Ratio Lower Upper

94 100

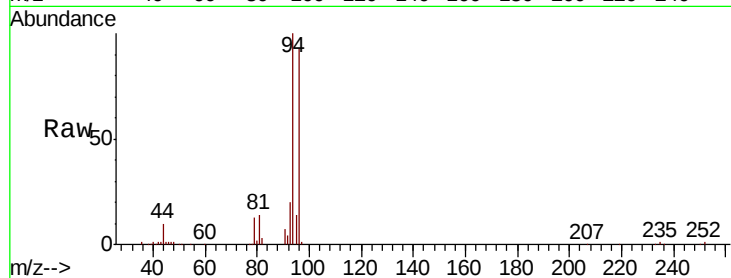
96 92.9 76.2 114.2

Manual Integrations

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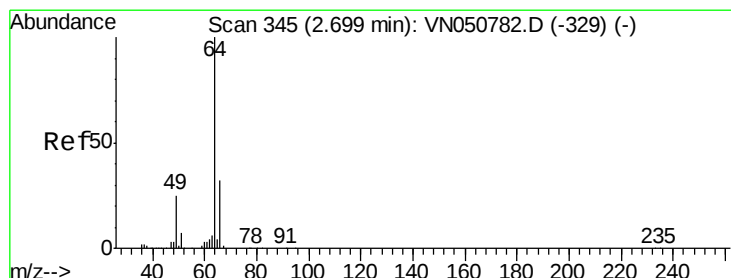
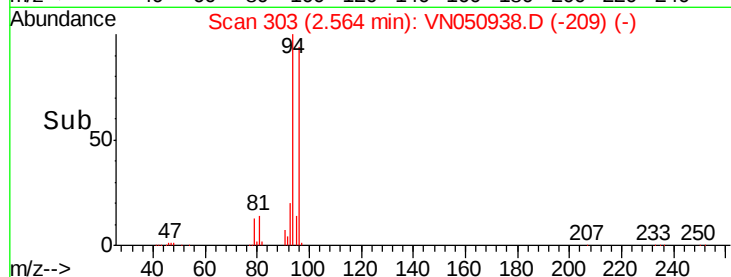
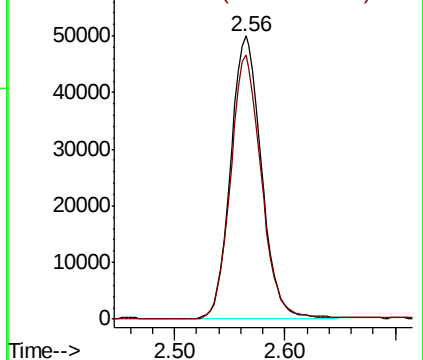
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.235 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050938.D

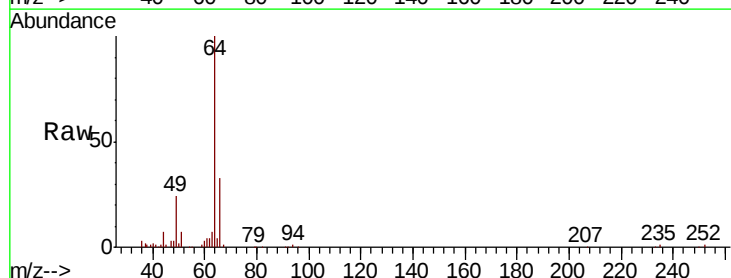
Acq: 29 Aug 2018 9:56

Tgt Ion: 64 Resp: 99327

Ion Ratio Lower Upper

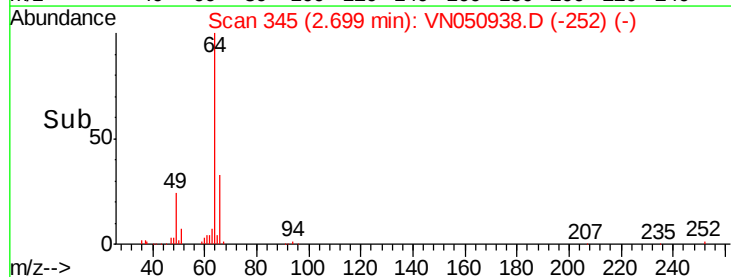
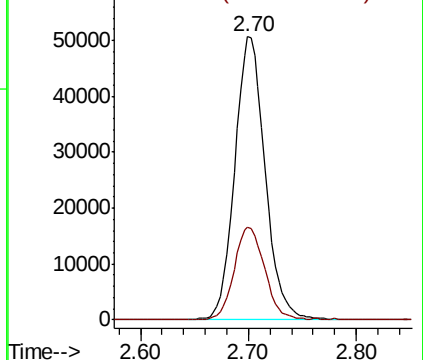
64 100

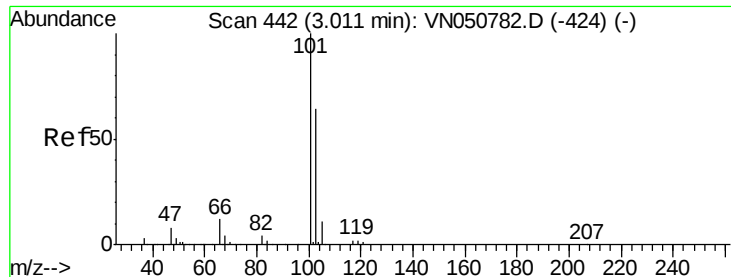
66 32.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

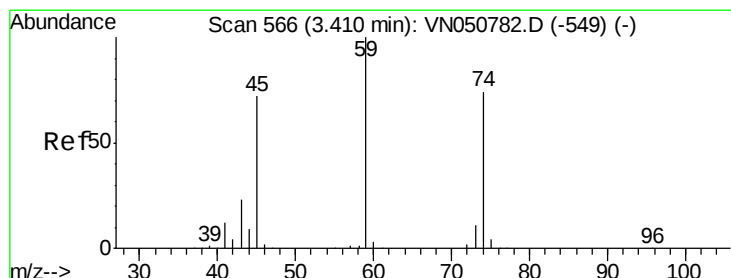
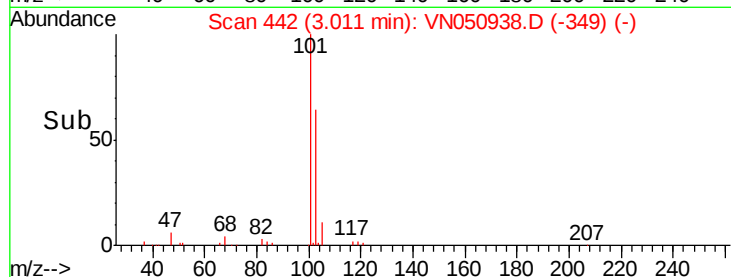
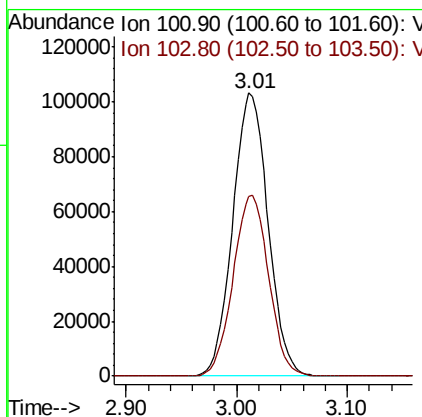
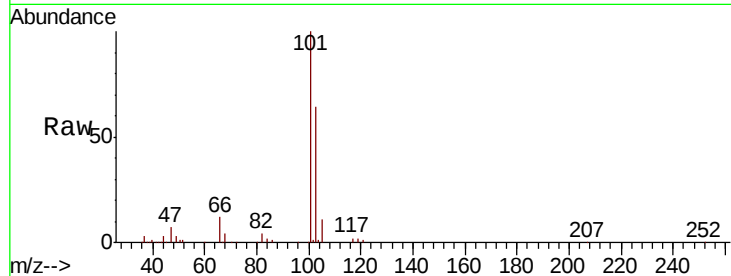
Trichlorofluoromethane
 Concen: 19.983 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
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 VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	228687		
103	63.7	51.6	77.4	

Manual Integrations
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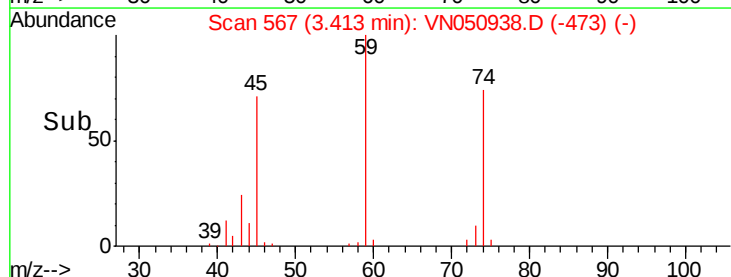
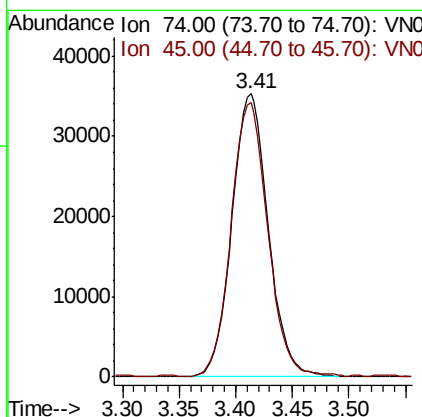
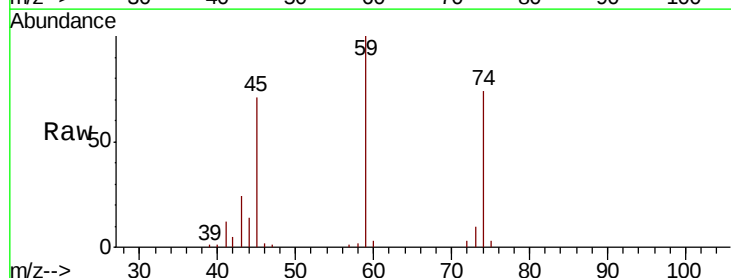
MMDadoda
 8/30/2018 11:07:32 AM



#8

Diethyl Ether
 Concen: 20.265 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	78859		
45	98.2	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.897 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

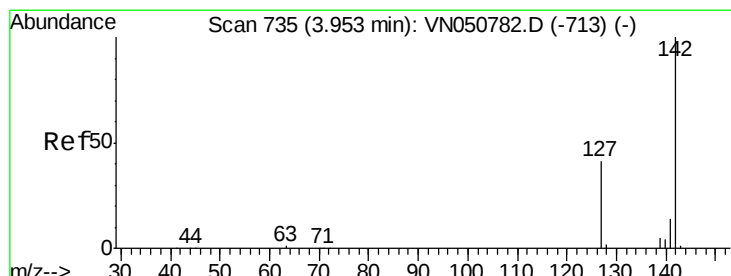
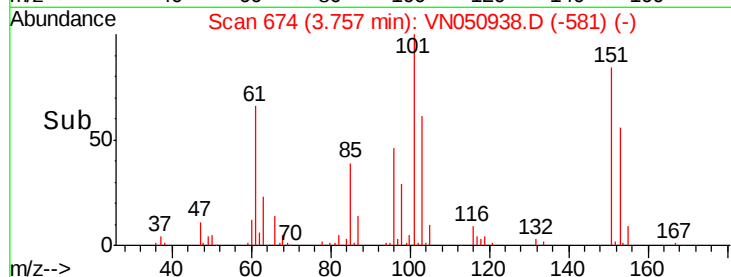
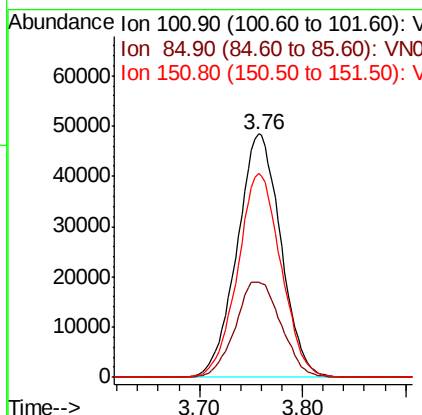
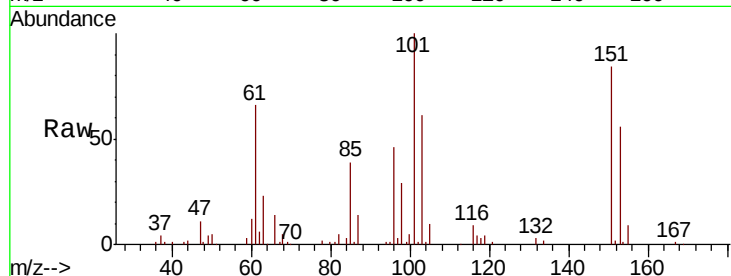
ClientSampleId :

VN0829WBS01

Tot Ion:	101	Resp:	142258
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.7	50.5
151	83.1	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.790 ug/l

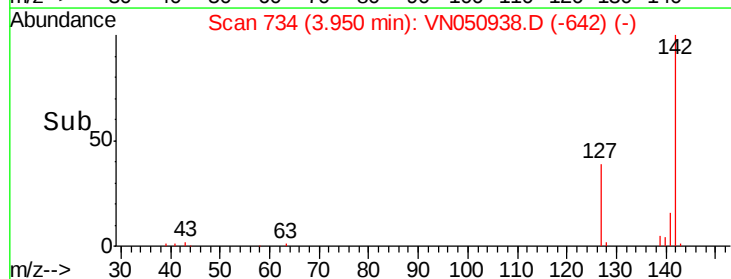
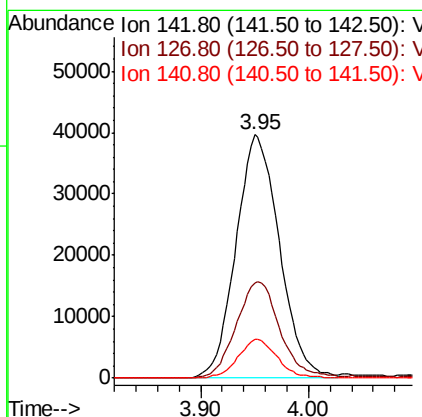
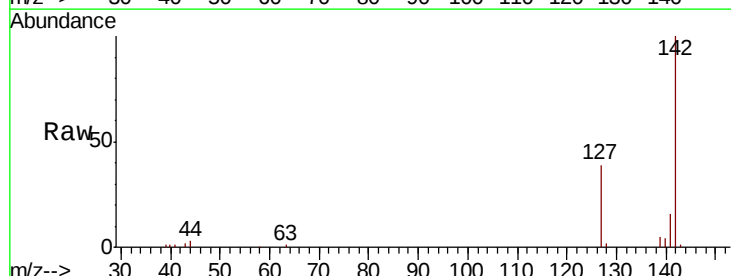
RT: 3.95 min Scan# 734

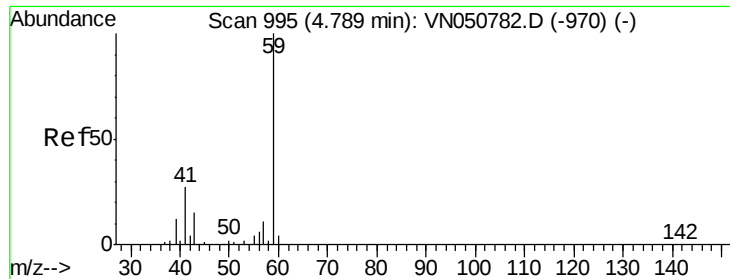
Delta R.T. -0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Tgt Ion:	142	Resp:	111016
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.7	47.5
141	14.4	11.4	17.0





#11

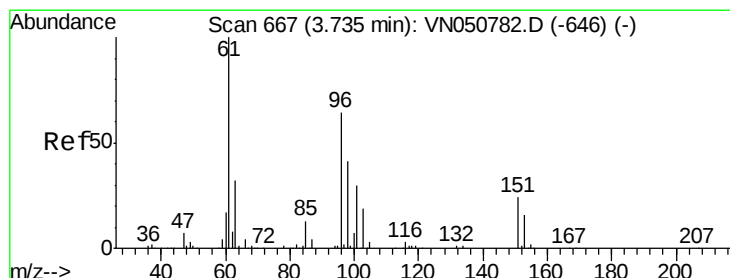
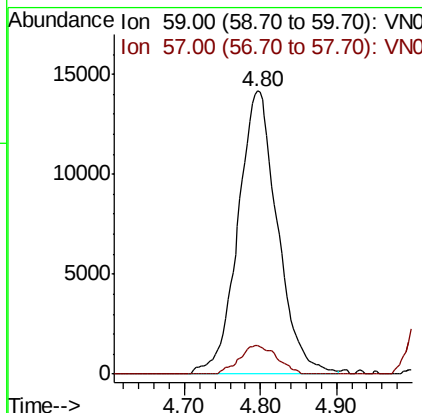
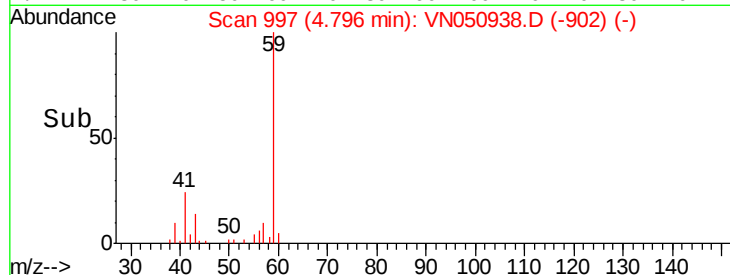
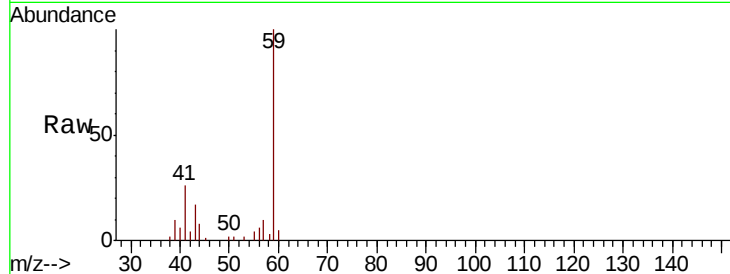
Tert butyl alcohol
 Concen: 116.704 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

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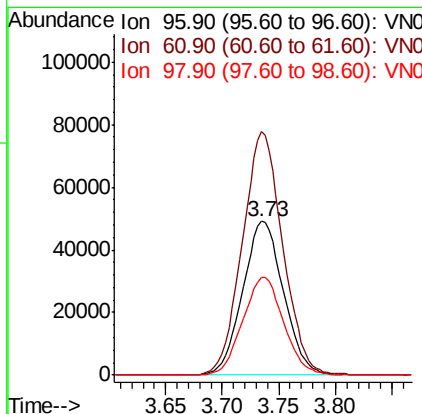
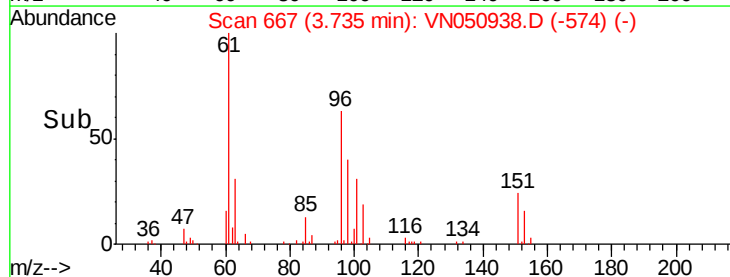
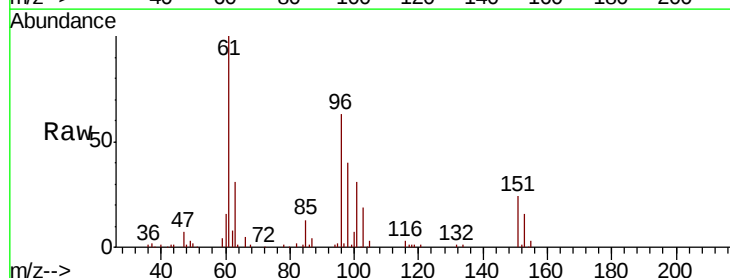
MMDadoda
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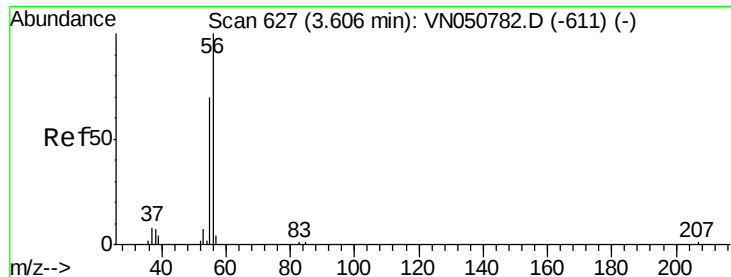


#12

1,1-Dichloroethene
 Concen: 19.205 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	124.9	187.3
98	63.3	51.1	76.7





#13

Acrolein

Concen: 76.518 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 56 Resp: 16152

Ion Ratio Lower Upper

56 100

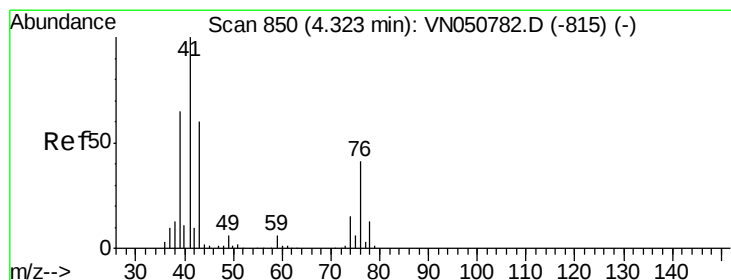
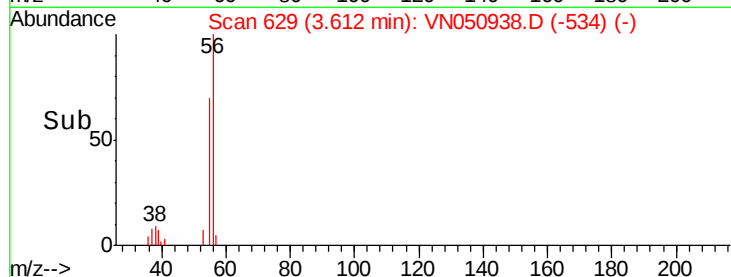
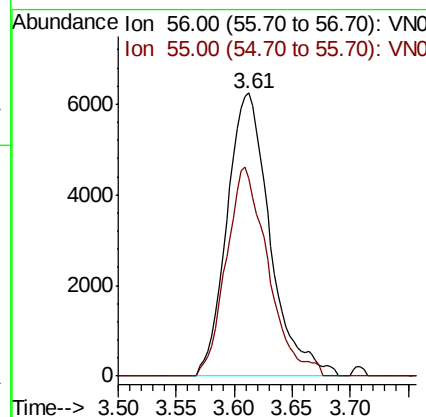
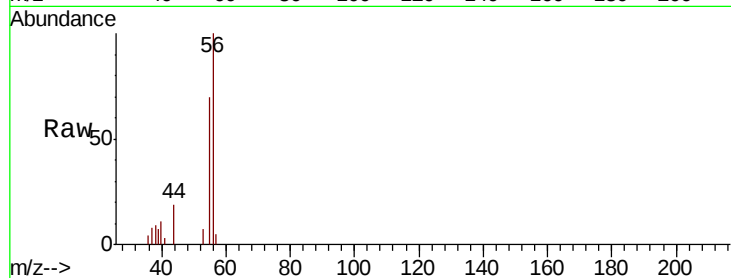
55 71.7 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.634 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

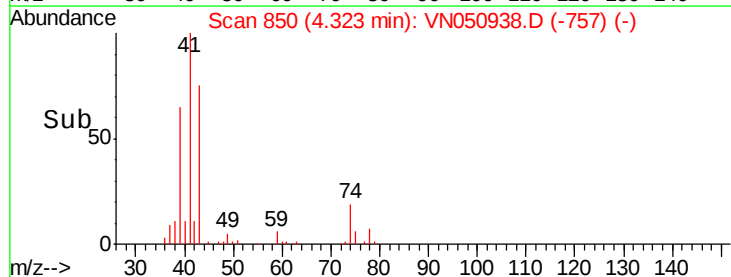
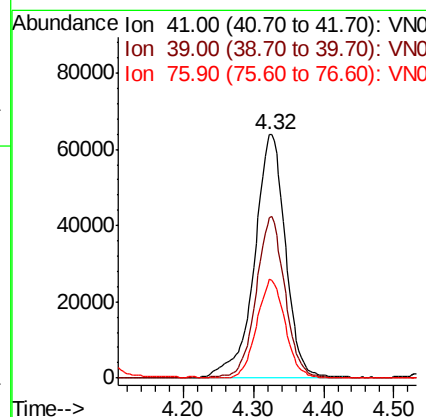
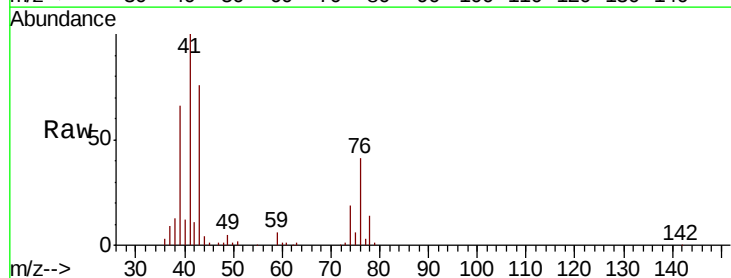
Tgt Ion: 41 Resp: 196397

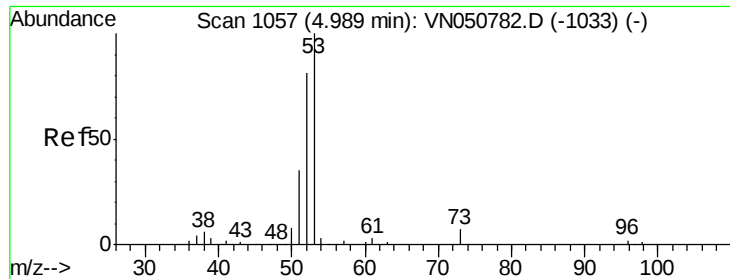
Ion Ratio Lower Upper

41 100

39 61.7 50.2 75.2

76 36.9 29.8 44.8





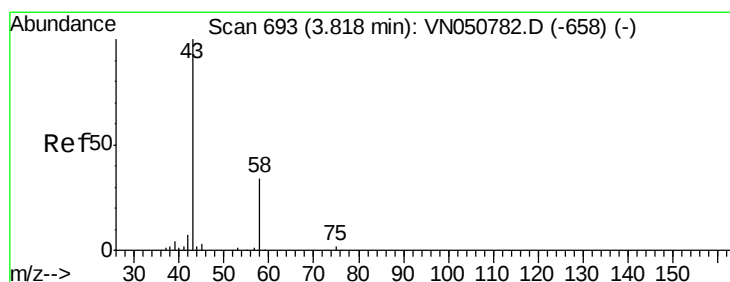
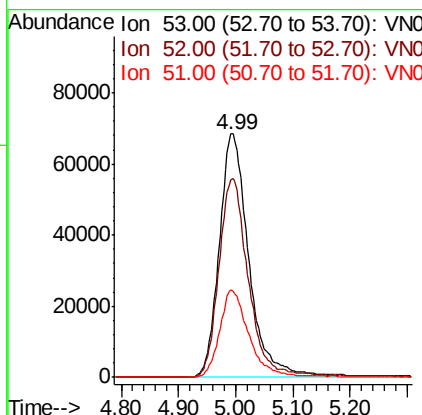
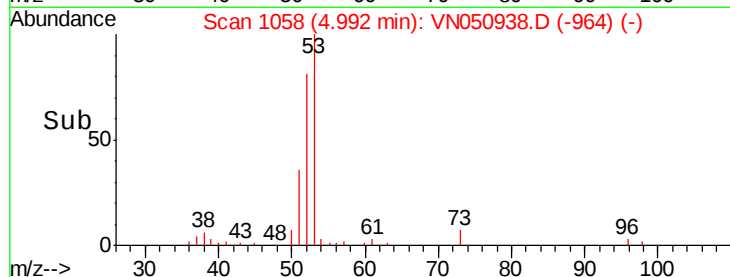
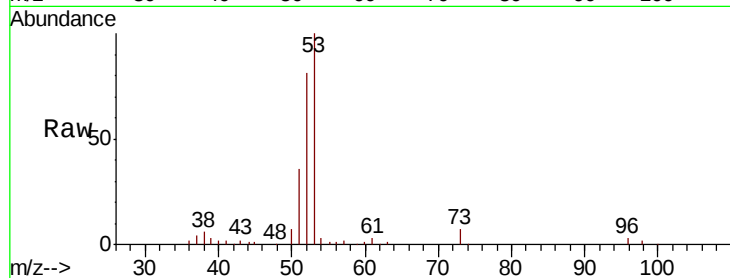
#15
 Acrylonitrile
 Concen: 110.385 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	80.7	65.9	98.9	
51	35.1	28.6	43.0	

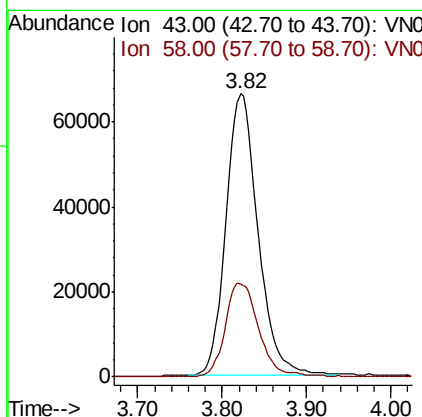
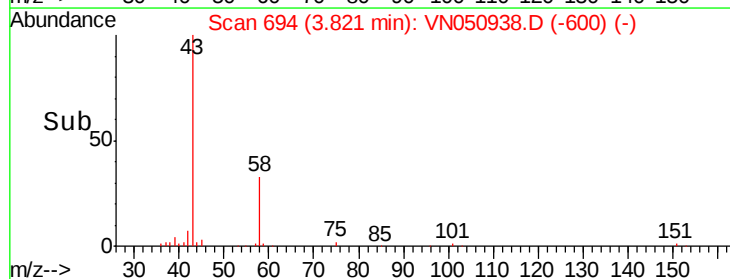
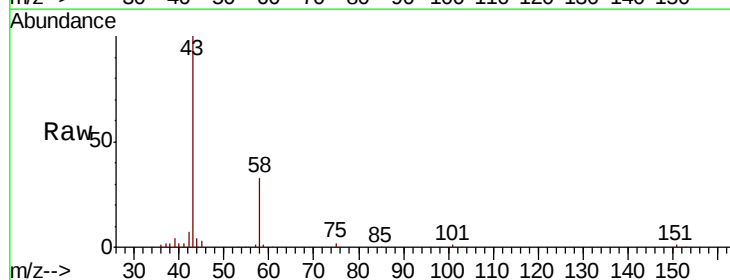
Manual Integrations
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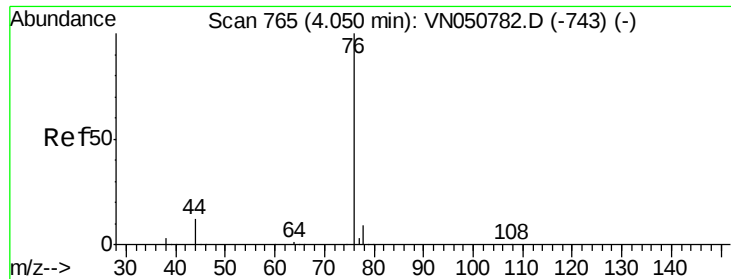
MMDadoda
 8/30/2018 11:07:32 AM



#16
 Acetone
 Concen: 103.470 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	33.1	27.2	40.8	





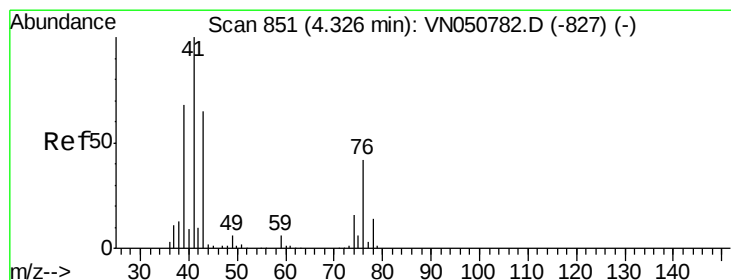
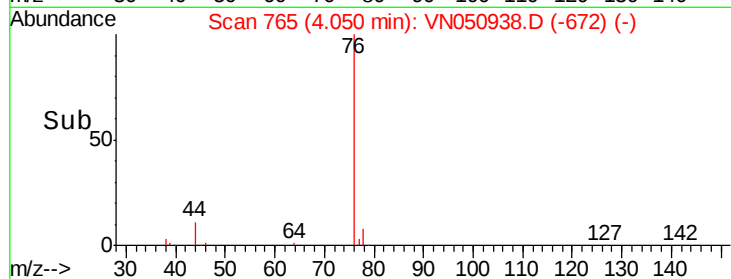
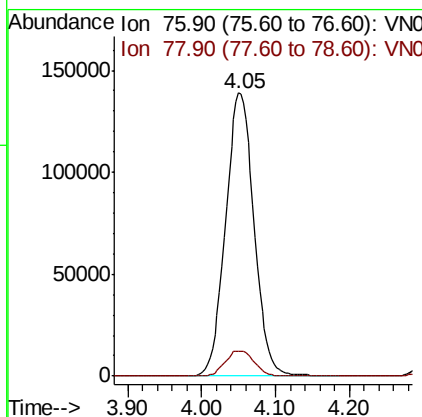
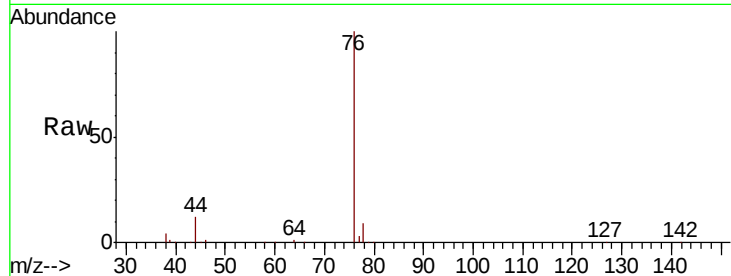
#17
Carbon Disulfide
Concen: 17.292 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

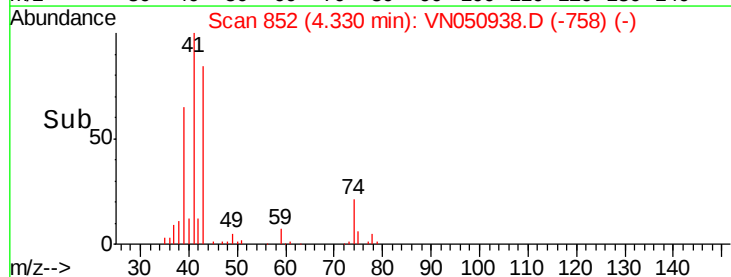
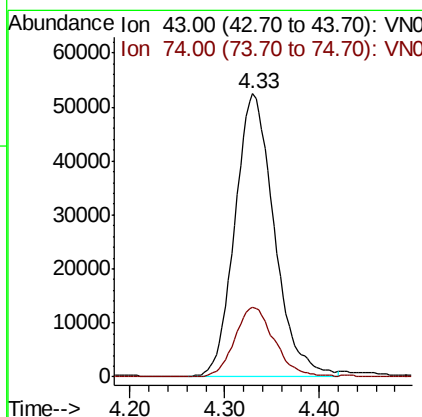
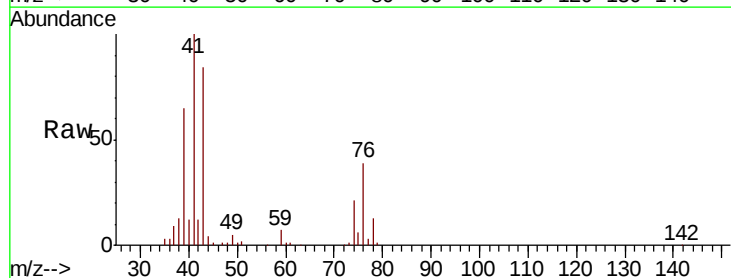
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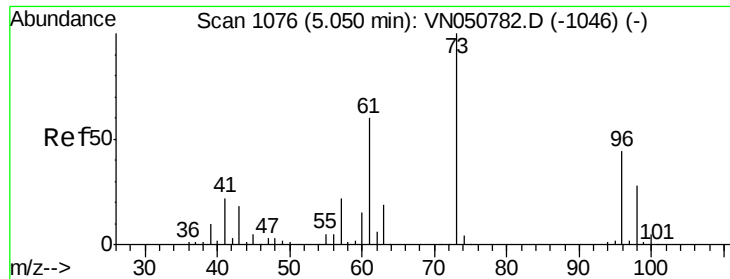
MMDadoda
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#18
Methyl Acetate
Concen: 23.104 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.8	29.8





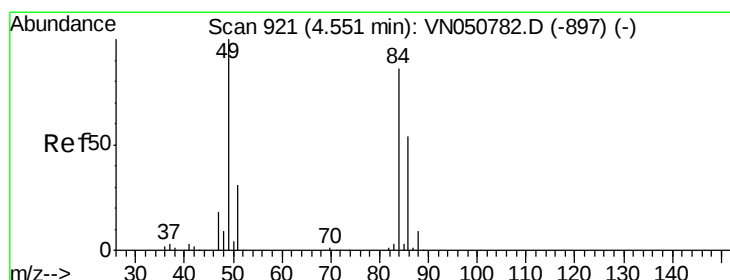
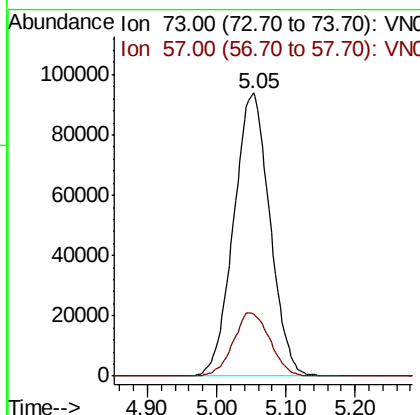
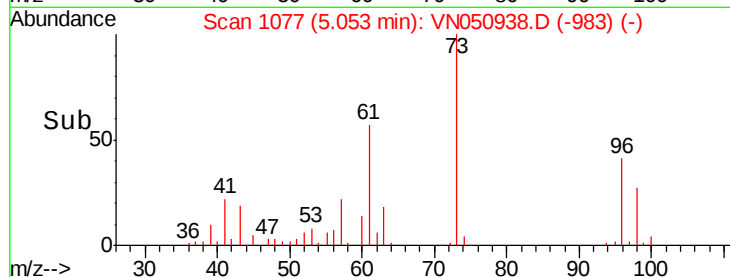
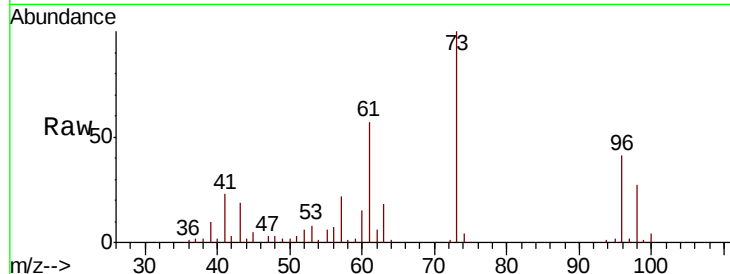
#19
Methyl tert-butyl Ether
Concen: 21.135 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion: 73 Resp: 341282
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

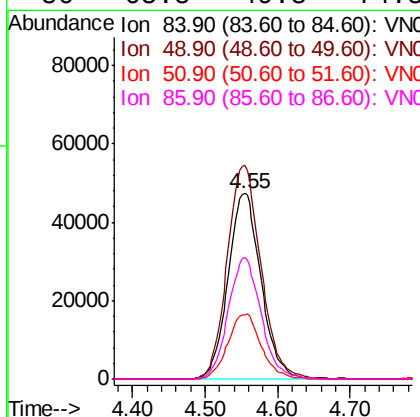
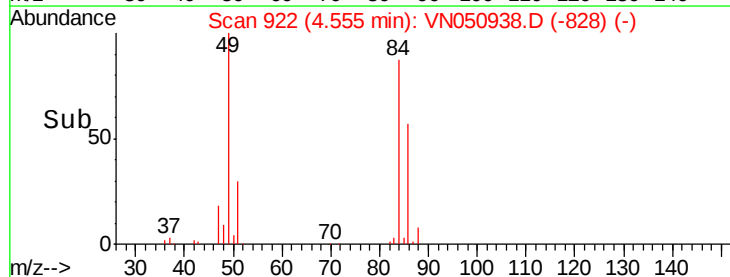
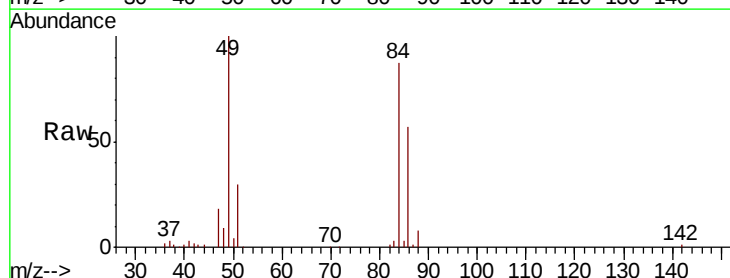
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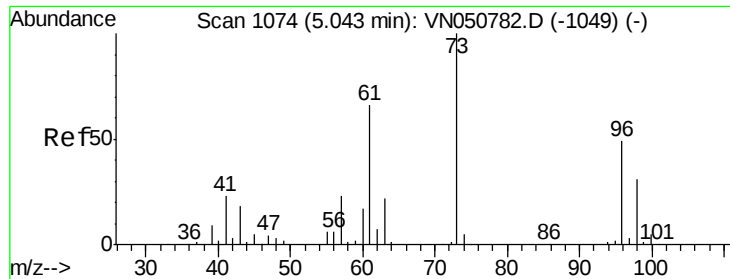
MMDadoda
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#20
Methylene Chloride
Concen: 19.303 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion: 84 Resp: 149699
Ion Ratio Lower Upper
84 100
49 115.1 93.2 139.8
51 34.8 29.0 43.6
86 65.5 49.8 74.8





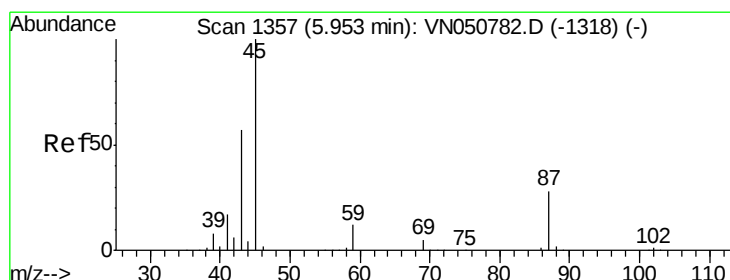
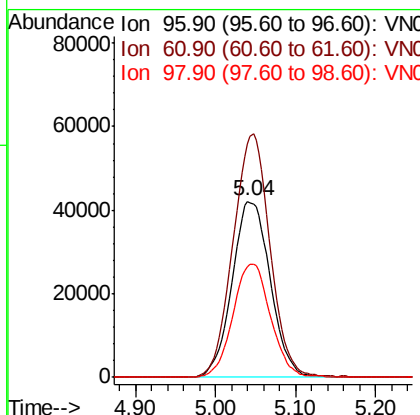
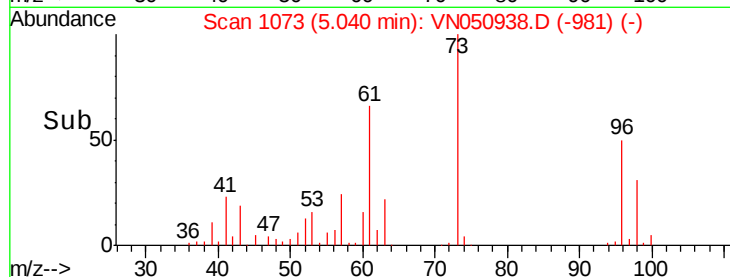
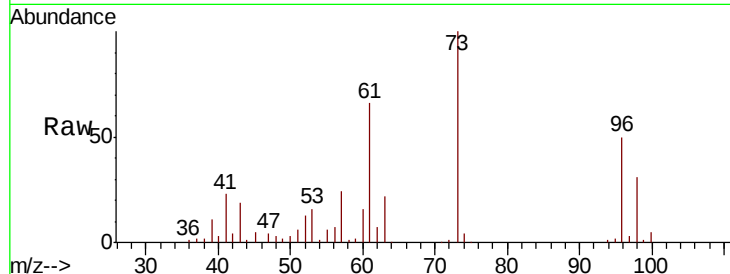
#21
trans-1,2-Dichloroethene
Concen: 19.674 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	107.4	161.0
98	62.7	50.7	76.1

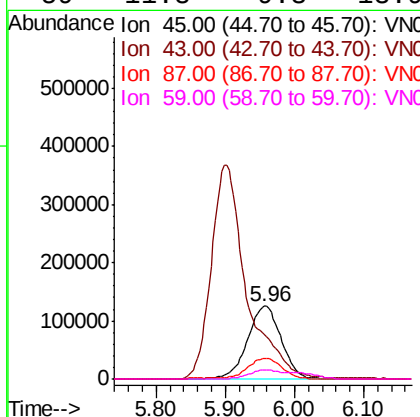
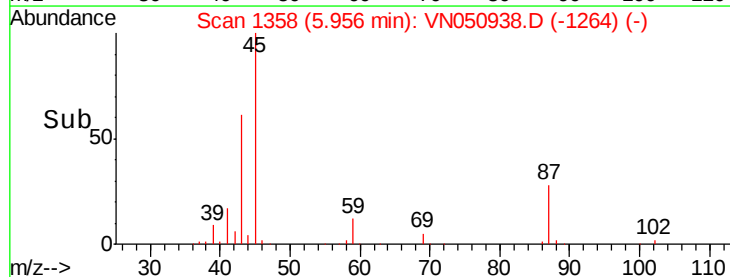
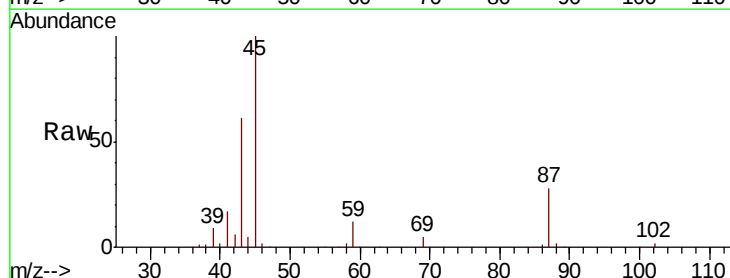
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#22
Diisopropyl ether
Concen: 21.255 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	45.9	68.9
87	28.5	22.7	34.1
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 101.061 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 43 Resp: 1297439

Ion Ratio Lower Upper

43 100

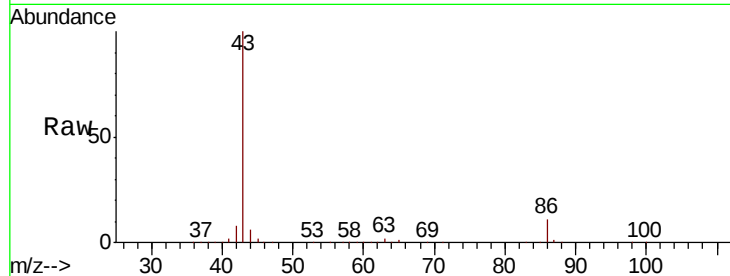
86 11.0 8.7 13.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

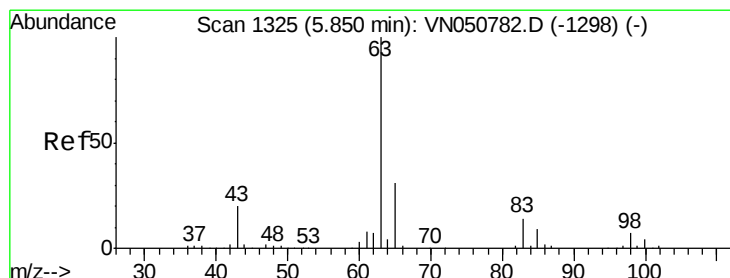
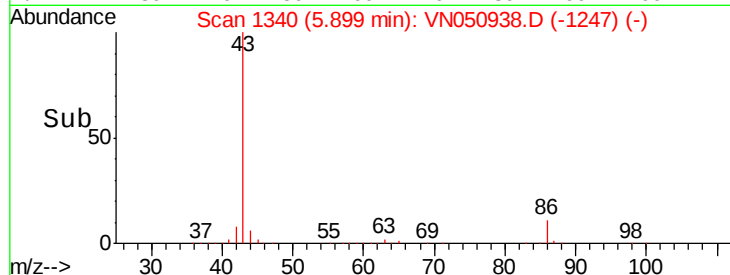
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.891 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

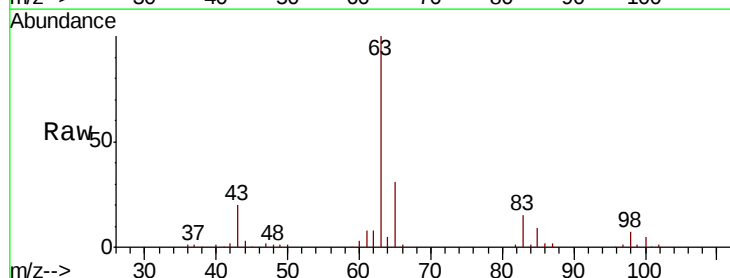
Tgt Ion: 63 Resp: 254577

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.8 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

60000

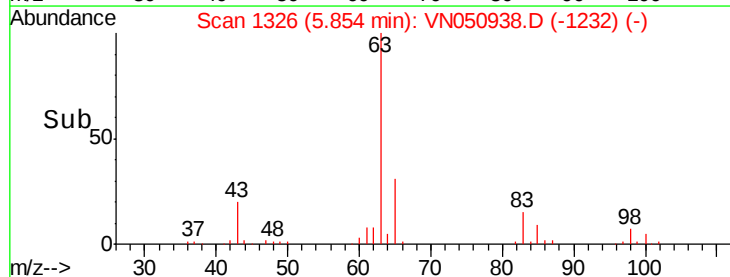
40000

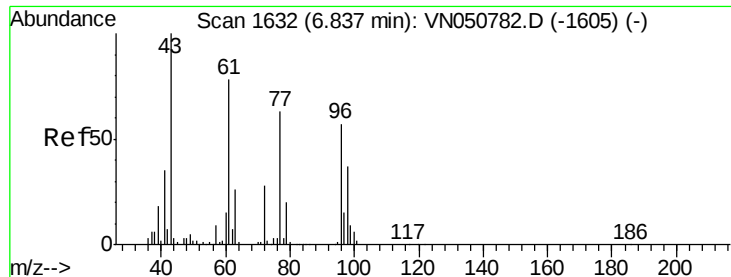
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 96.665 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 43 Resp: 268047

Ion Ratio Lower Upper

43 100

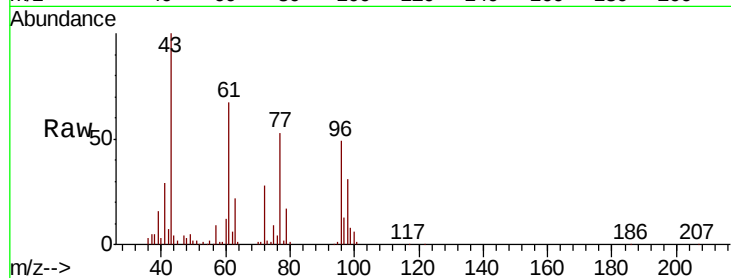
72 27.8 22.3 33.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

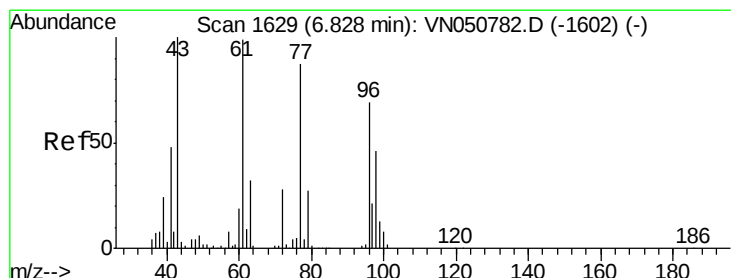
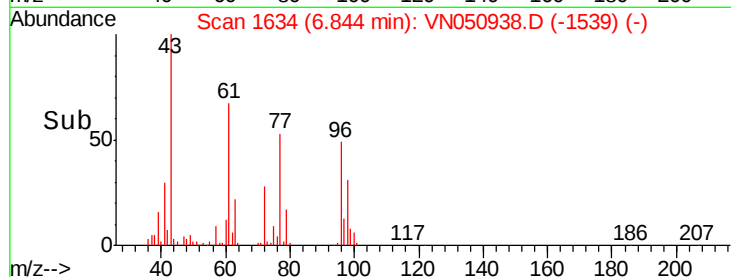
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.365 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050938.D

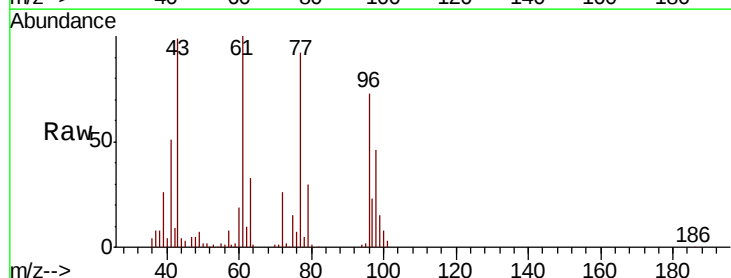
Acq: 29 Aug 2018 9:56

Tgt Ion: 77 Resp: 199144

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

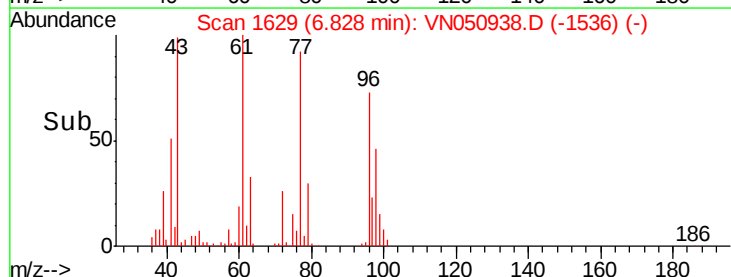
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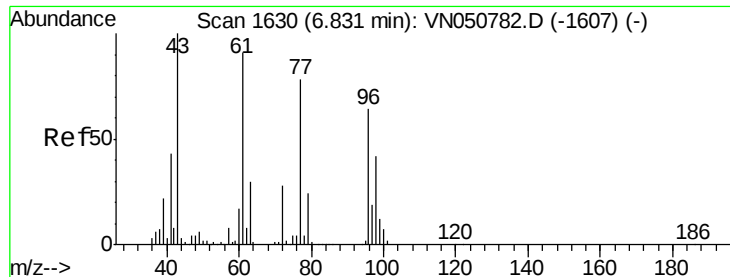
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Time-->





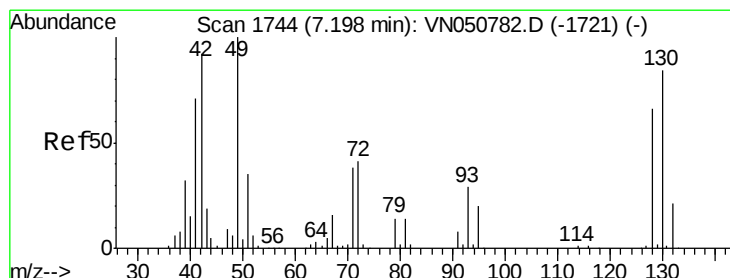
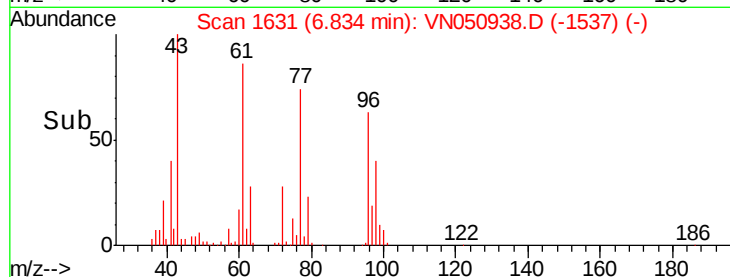
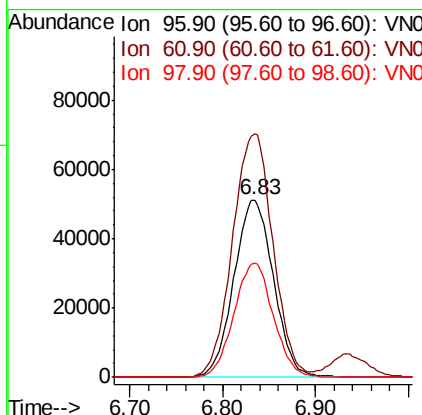
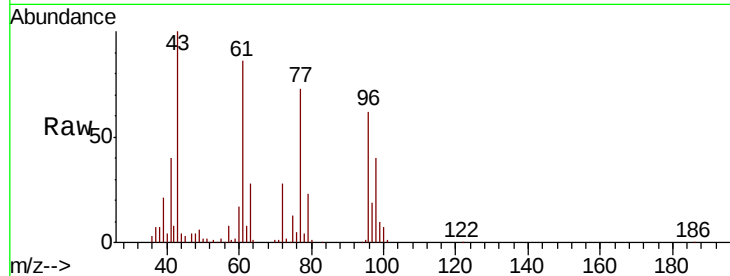
#27
 cis-1,2-Dichloroethene
 Concen: 20.279 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151797		
61	140.0	0.0	283.4	
98	64.1	0.0	129.8	

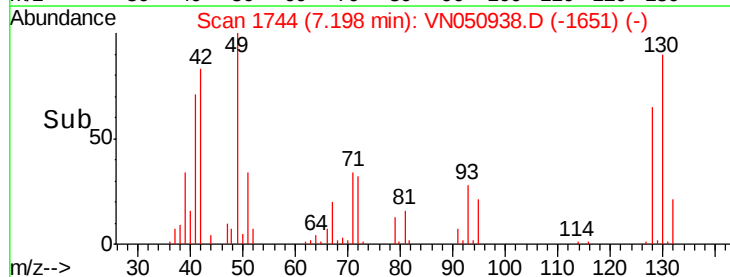
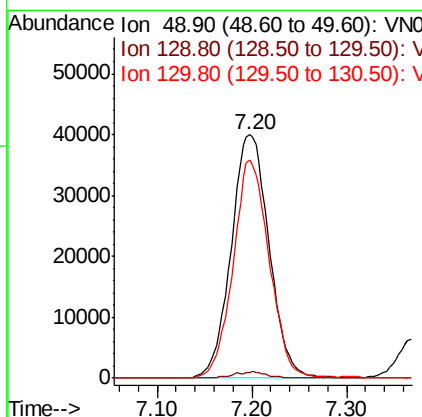
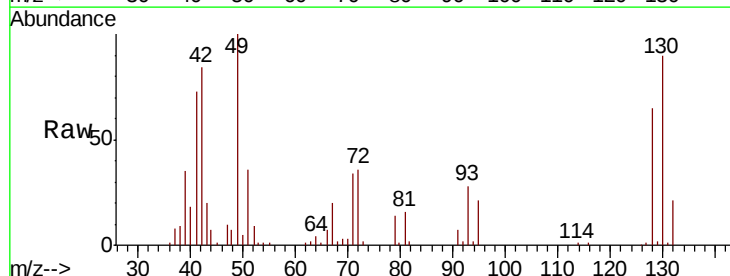
Manual Integrations
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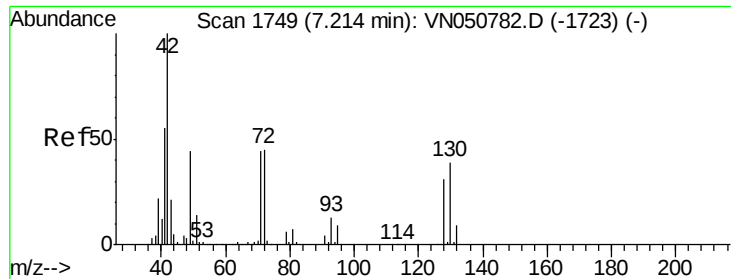
MMDadoda
 8/30/2018 11:07:32 AM



#28
 Bromochloromethane
 Concen: 20.490 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111431		
129	1.3	0.0	4.2	
130	85.0	67.1	100.7	





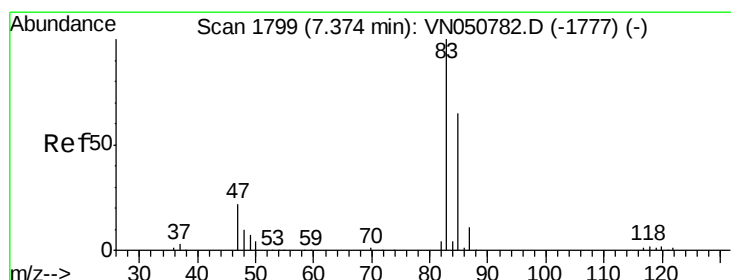
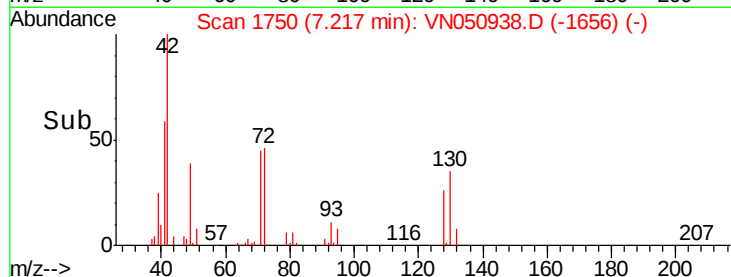
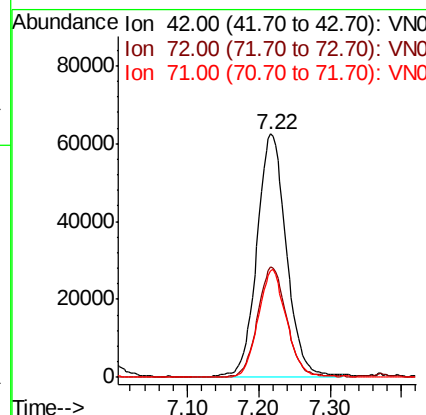
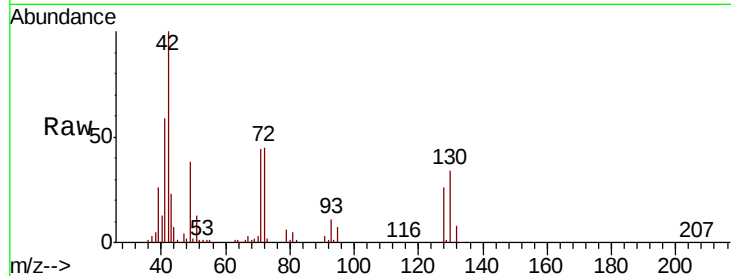
#29
Tetrahydrofuran
Concen: 113.055 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.5	53.3
71	42.1	33.7	50.5

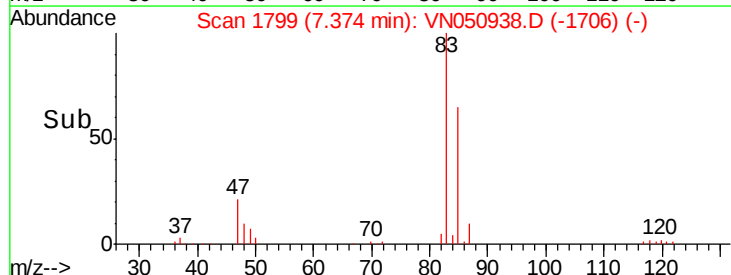
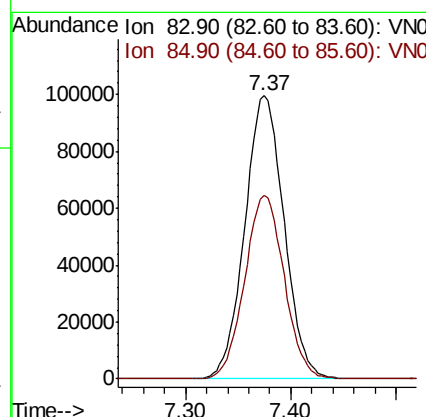
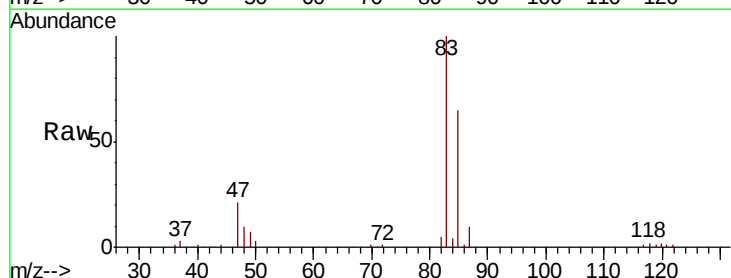
Manual Integrations
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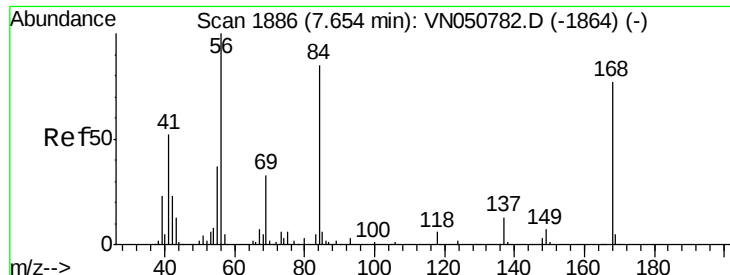
MMDadoda
8/30/2018 11:07:32 AM



#30
Chloroform
Concen: 20.374 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





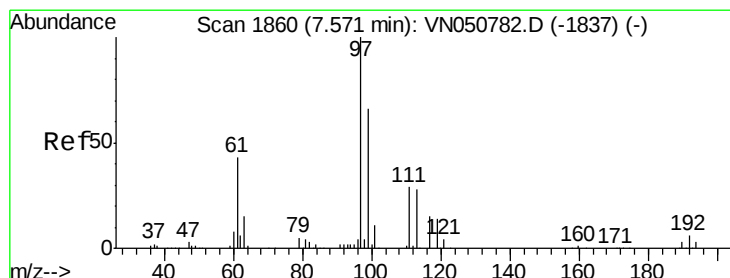
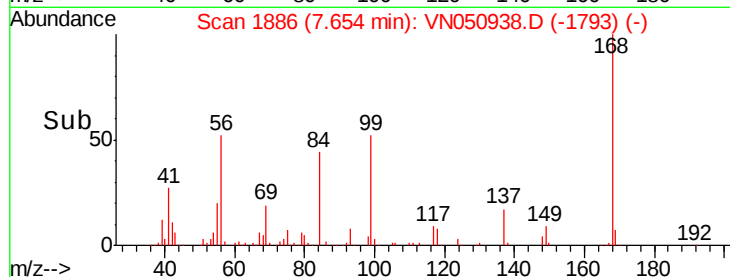
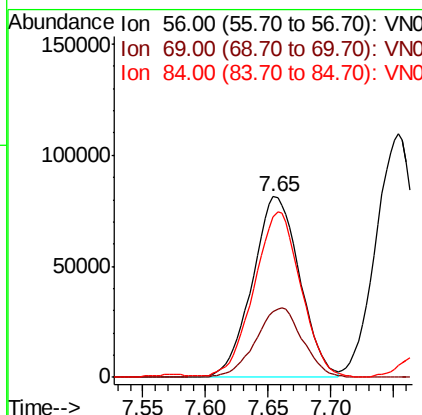
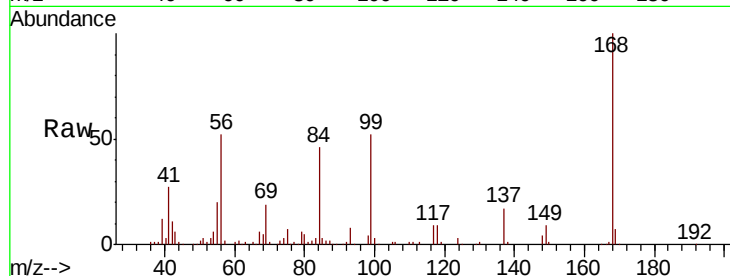
#31
Cyclohexane
Concen: 18.725 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.2	39.4
84	87.5	68.3	102.5

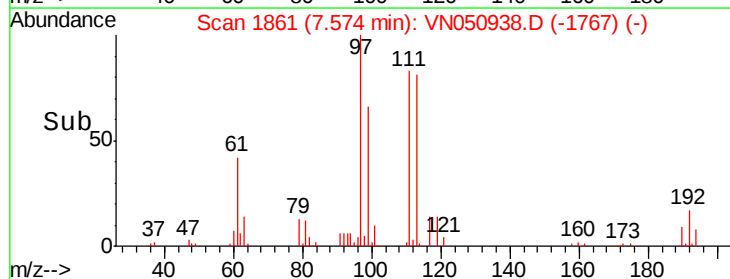
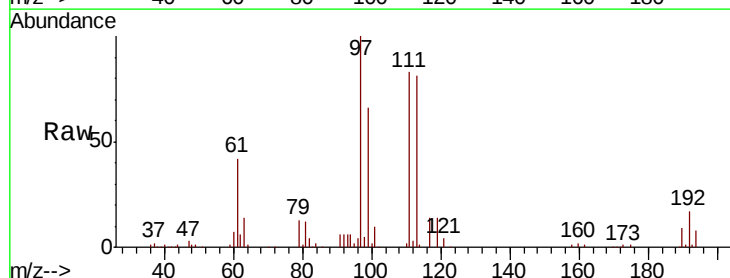
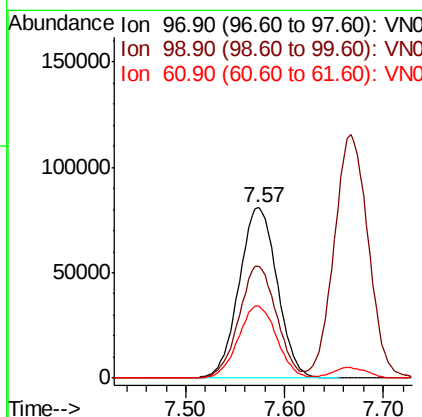
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#32
1,1,1-Trichloroethane
Concen: 19.886 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	42.6	34.9	52.3





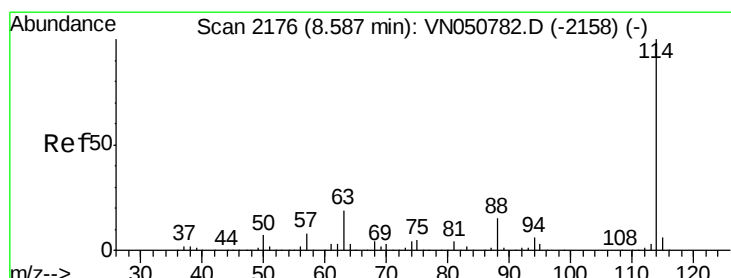
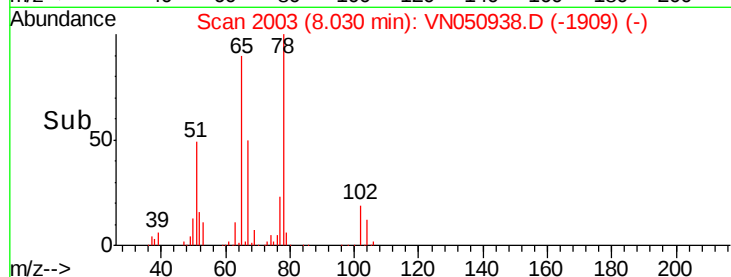
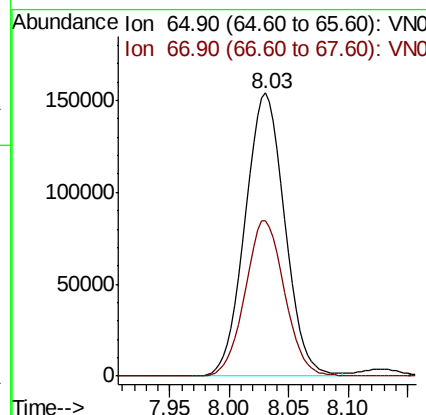
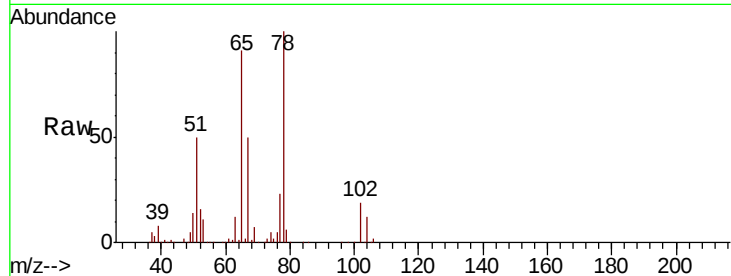
#33
 1,2-Dichloroethane-d4
 Concen: 51.763 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	110.4	

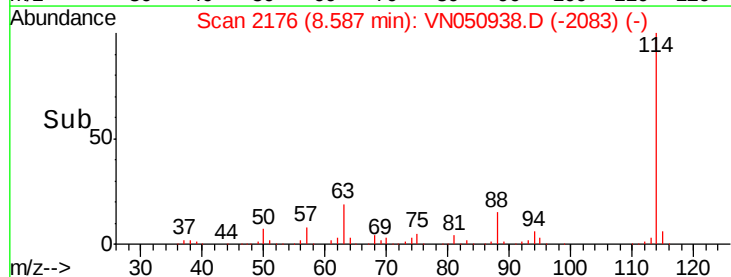
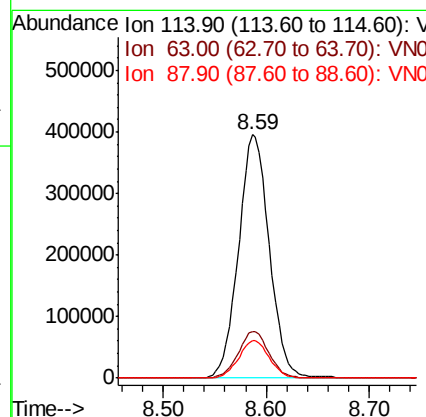
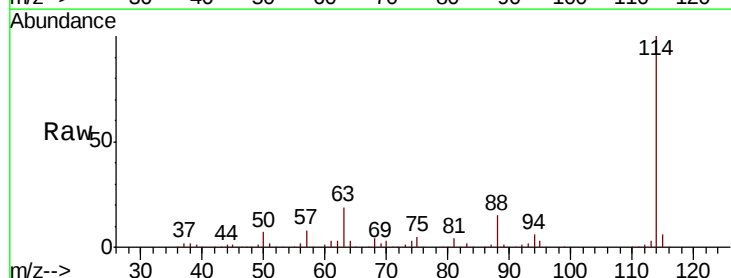
Manual Integrations
 APPROVED

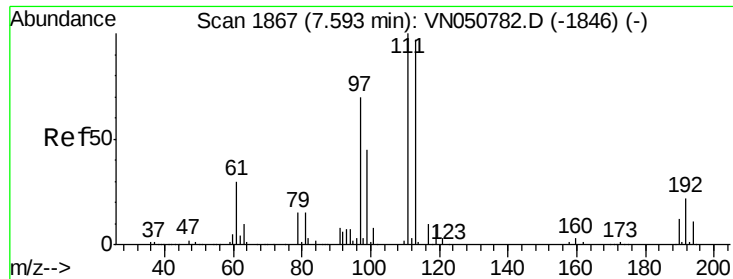
MMDadoda
 8/30/2018 11:07:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	38.6	
88	15.2	0.0	30.6	





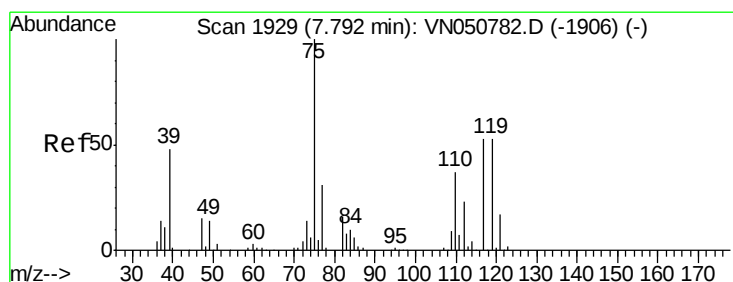
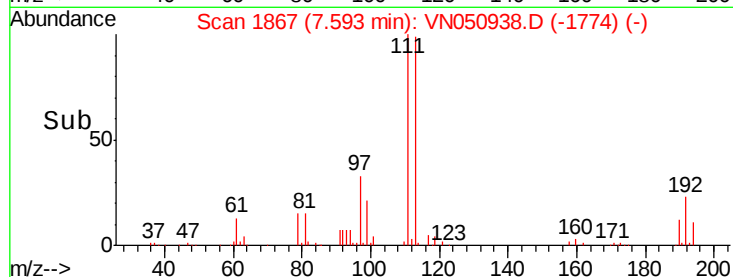
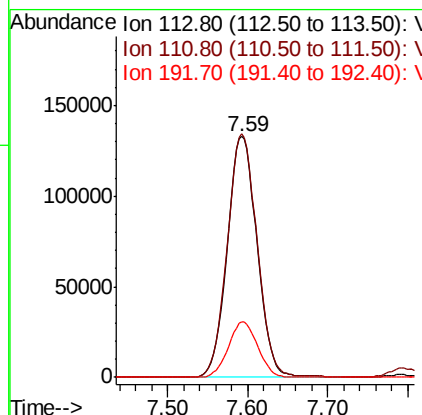
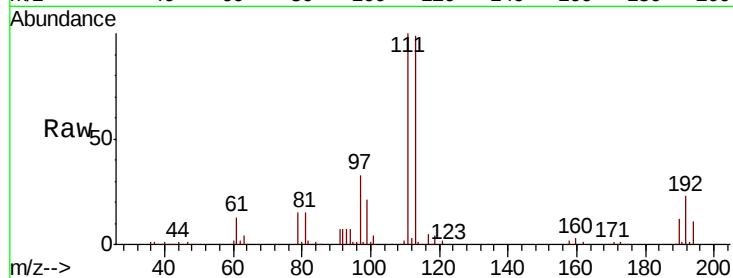
#35
 Dibromofluoromethane
 Concen: 51.503 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	82.6	123.8	
192	22.7	18.0	27.0	

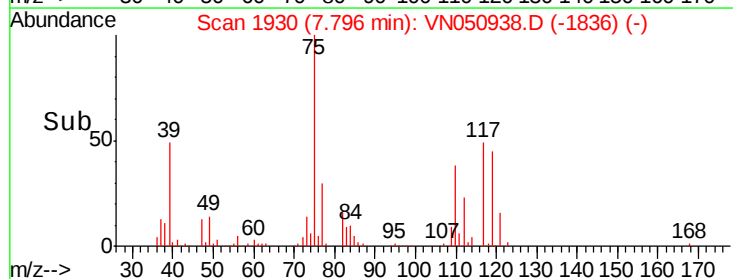
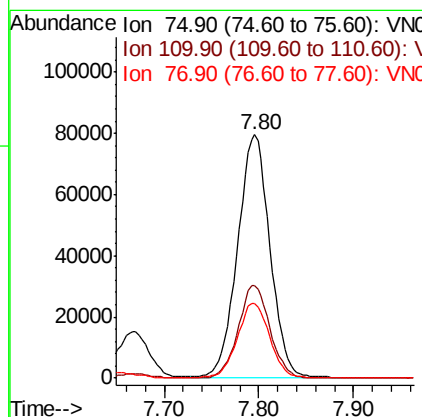
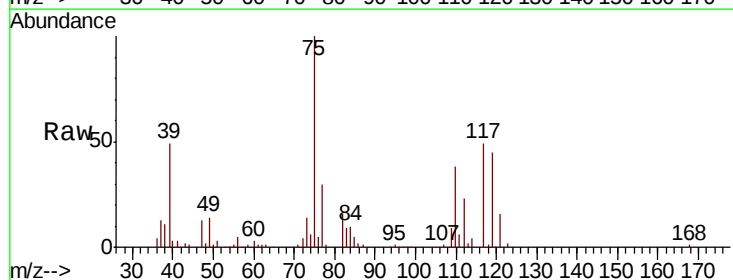
Manual Integrations
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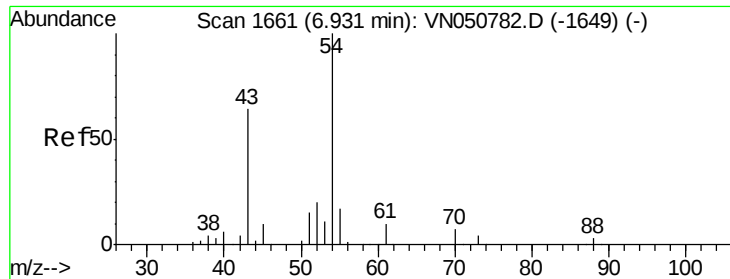
MMDadoda
 8/30/2018 11:07:32 AM



#36
 1,1-Dichloropropene
 Concen: 19.431 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	18.1	54.4	
77	30.9	24.8	37.2	





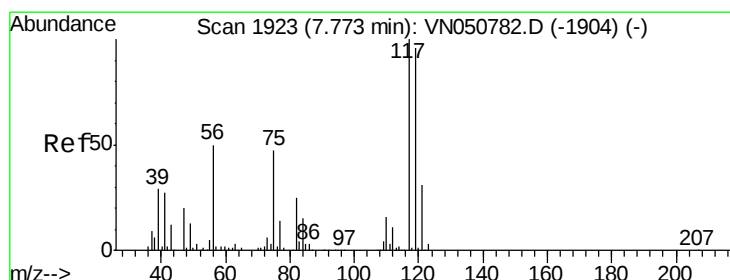
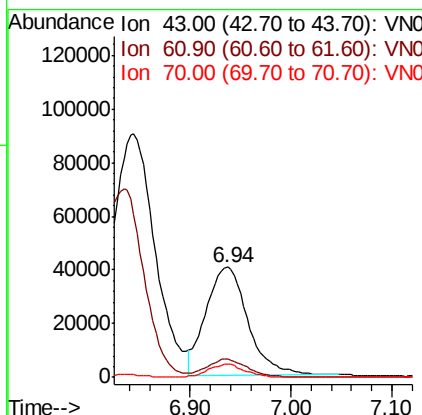
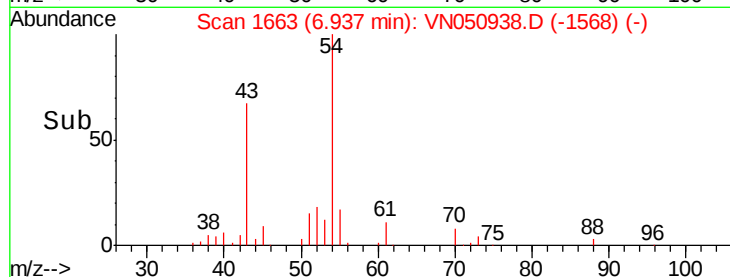
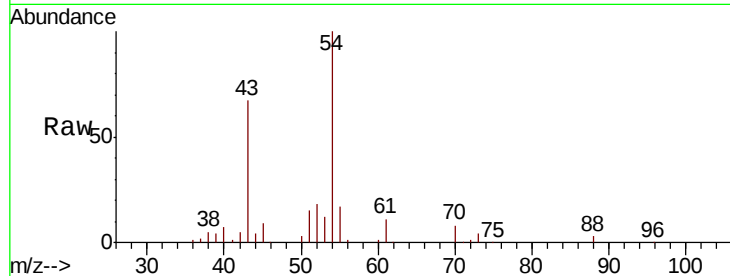
#37
Ethyl Acetate
Concen: 21.190 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	11.0	8.6	13.0

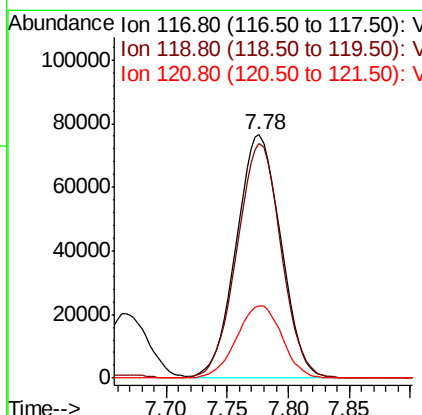
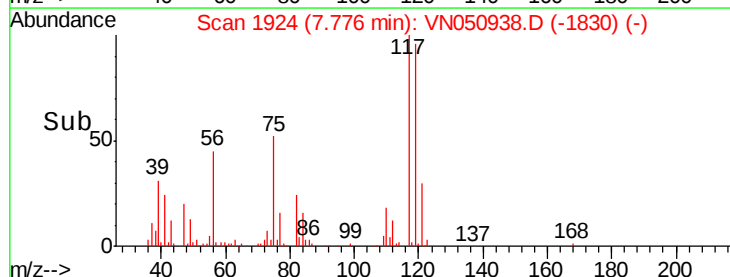
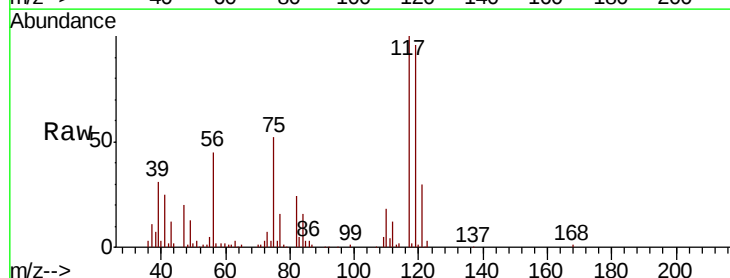
Manual Integrations
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8/30/2018 11:07:32 AM



#38
Carbon Tetrachloride
Concen: 19.657 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	114.5
121	29.9	24.6	36.8





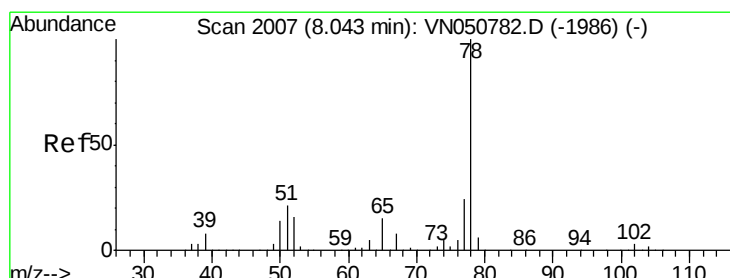
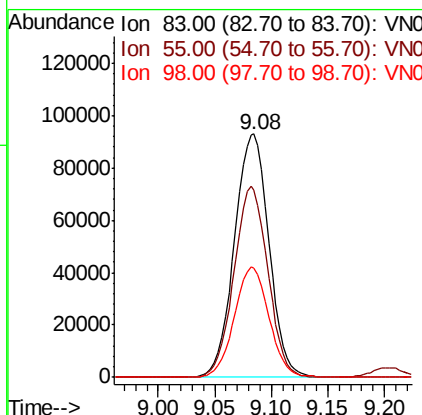
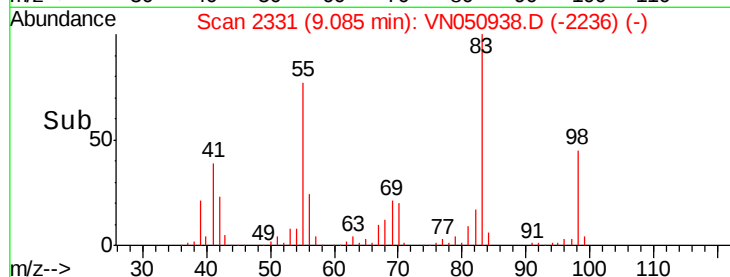
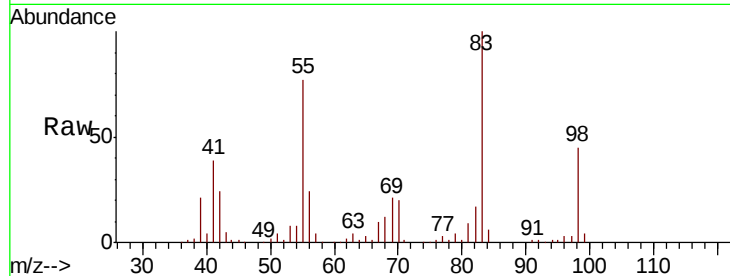
#39
Methvlcvclohexane
Concen: 18.837 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	197719		
55	76.7		61.0	91.4
98	44.9		37.5	56.3

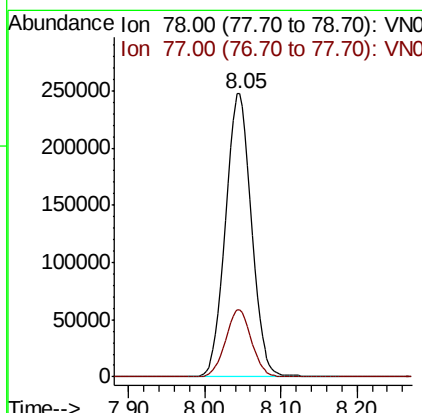
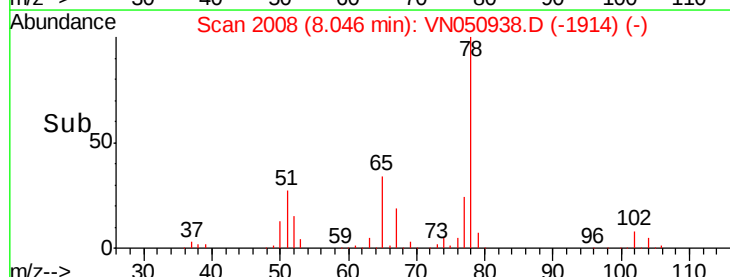
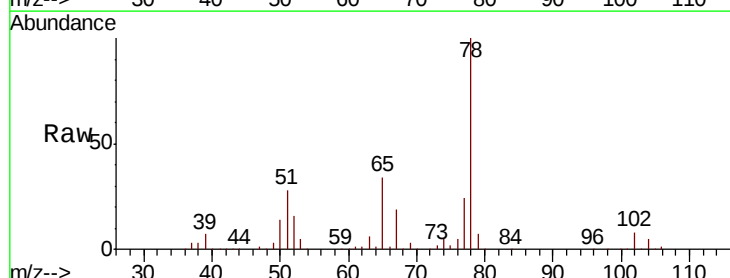
Manual Integrations
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8/30/2018 11:07:32 AM



#40
Benzene
Concen: 20.139 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	589189		
77	23.7		19.0	28.4





#41

Methacrylonitrile

Concen: 21.978 ug/l

RT: 7.18 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

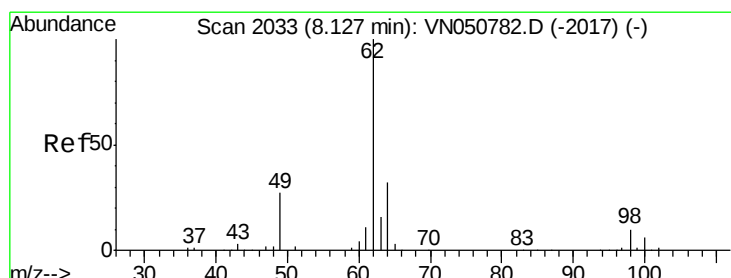
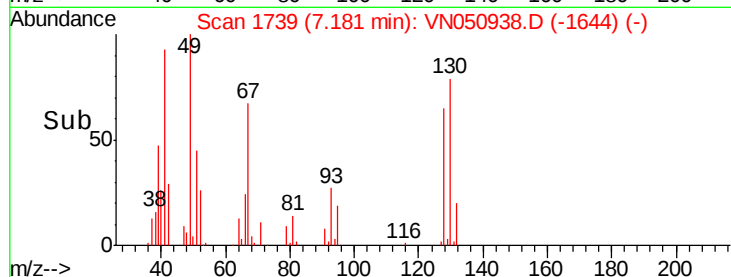
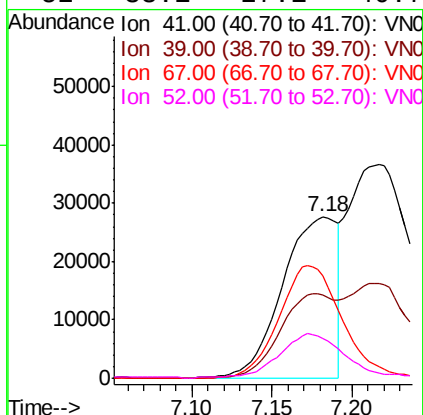
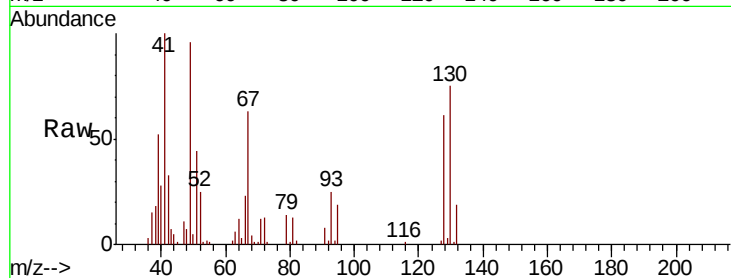
ClientSampleId :

VN0829WBS01

Tot Ion	41	Resp	66286
Ion	Ratio	Lower	Upper
41	100		
39	49.2	45.4	68.0
67	80.2	70.6	106.0
52	33.1	27.1	40.7

Manual Integrations
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MMDadoda
8/30/2018 11:07:32 AM



#42

1,2-Dichloroethane

Concen: 20.182 ug/l

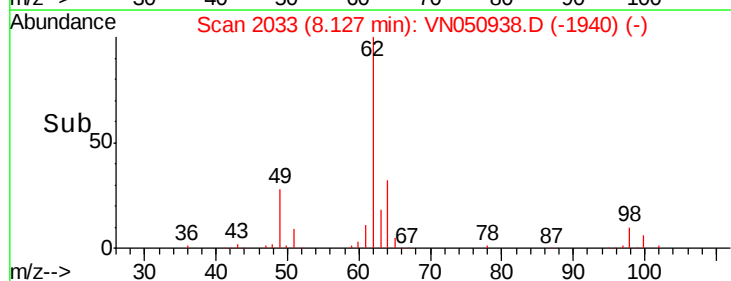
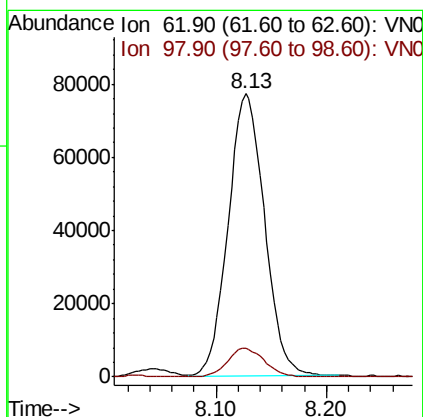
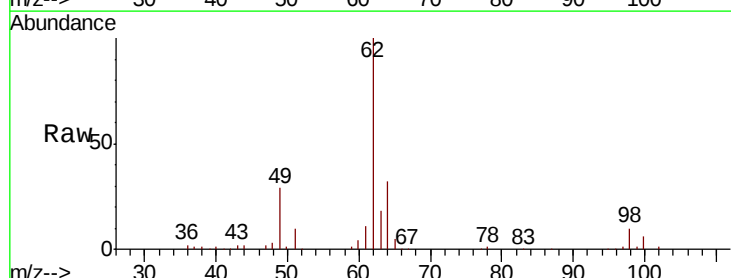
RT: 8.13 min Scan# 2033

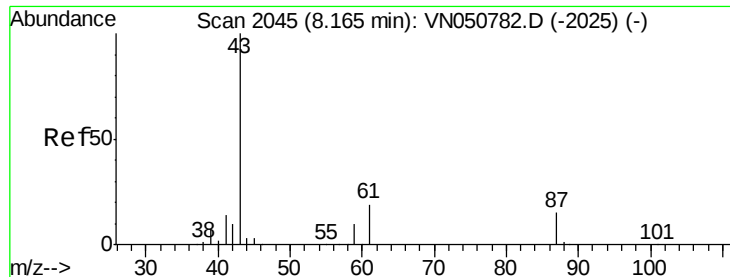
Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Tgt Ion	62	Resp	176531
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.752 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

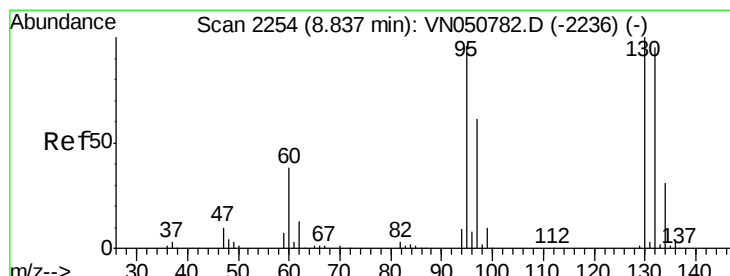
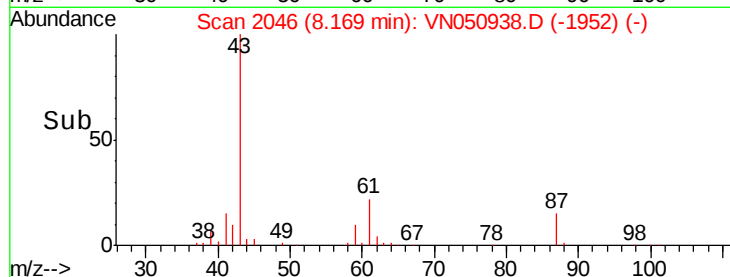
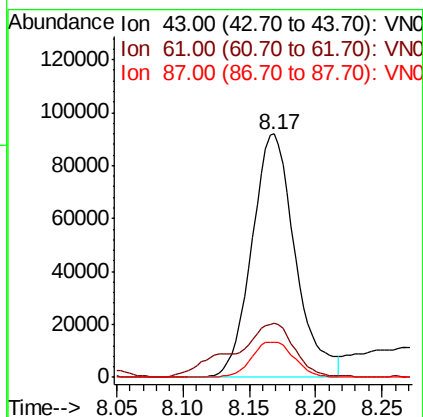
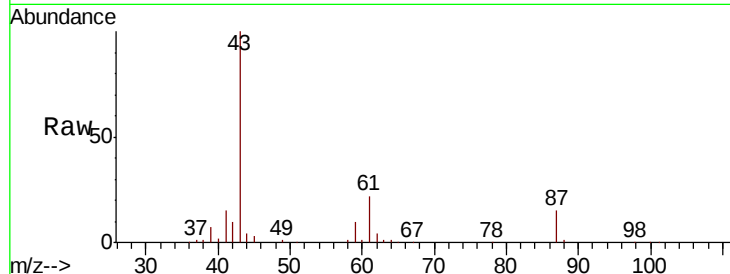
ClientSampleId :

VN0829WBS01

Tot Ion:	43	Resp:	208431
Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.5	26.3
87	14.3	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.897 ug/l

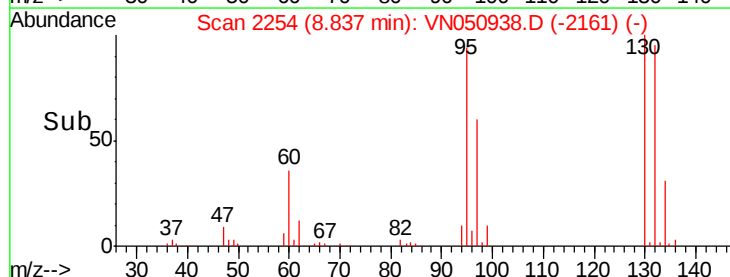
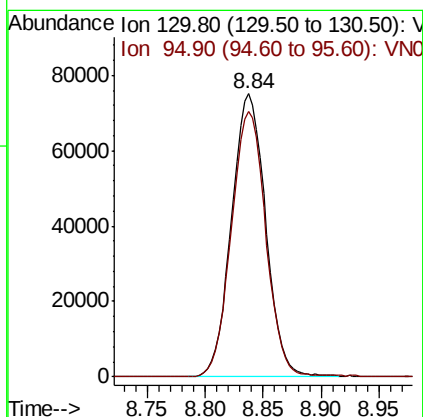
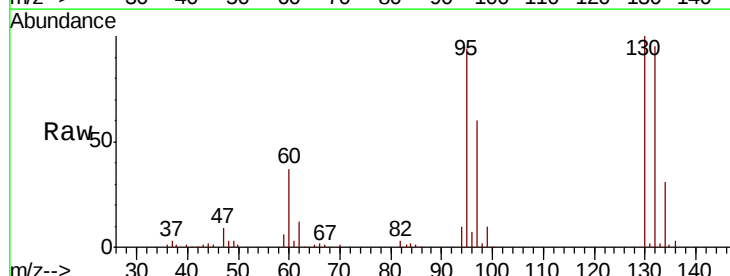
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Tgt Ion:	130	Resp:	153523
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	193.0





#45

1,2-Dichloropropane

Concen: 20.398 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 63 Resp: 156844

Ion Ratio Lower Upper

63 100

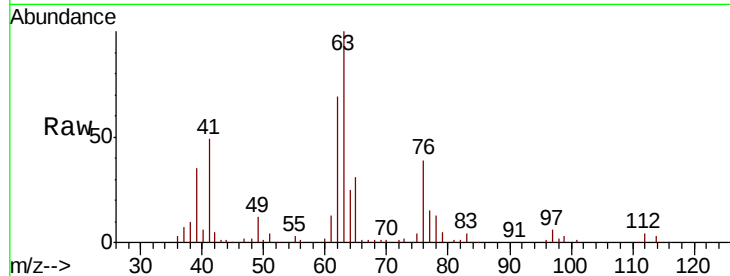
65 30.7 25.0 37.6

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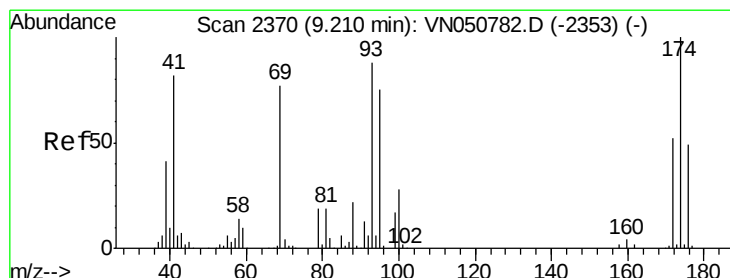
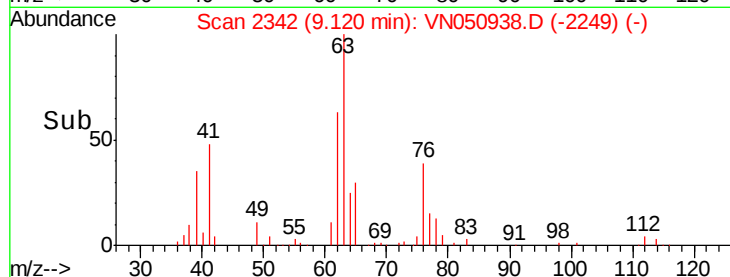
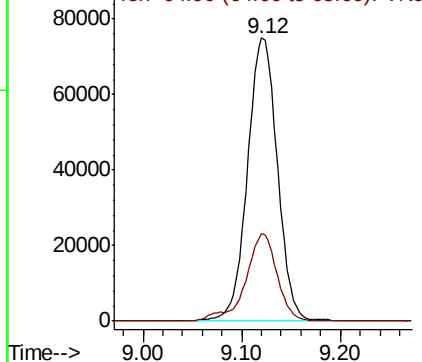
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.458 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

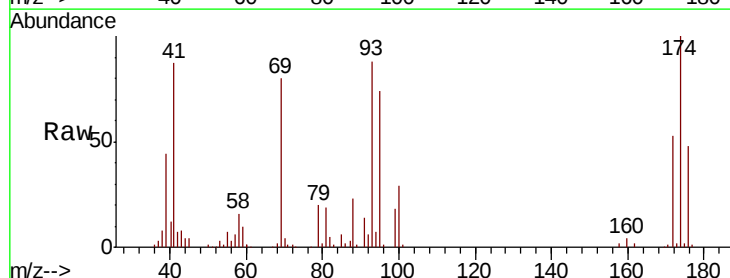
Tgt Ion: 93 Resp: 92427

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

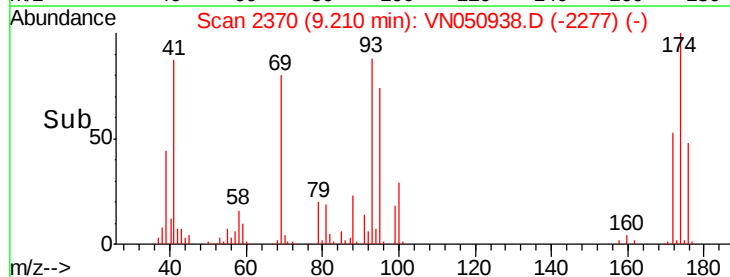
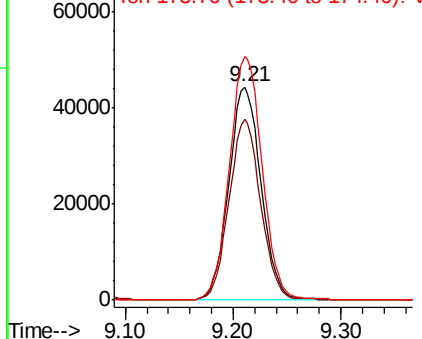
174 115.5 89.8 134.6

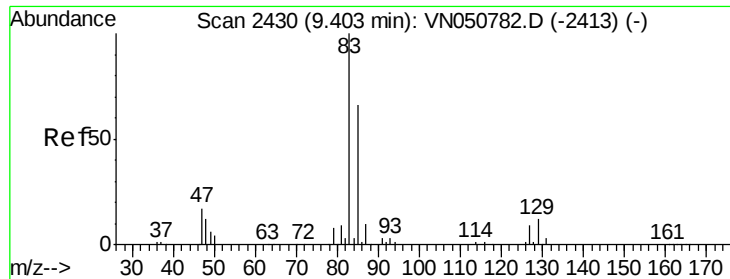


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.600 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

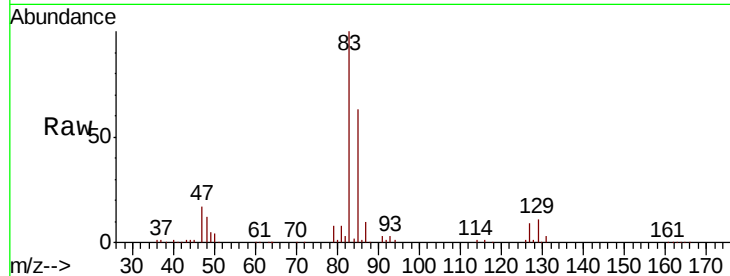
ClientSampleId :

VN0829WBS01

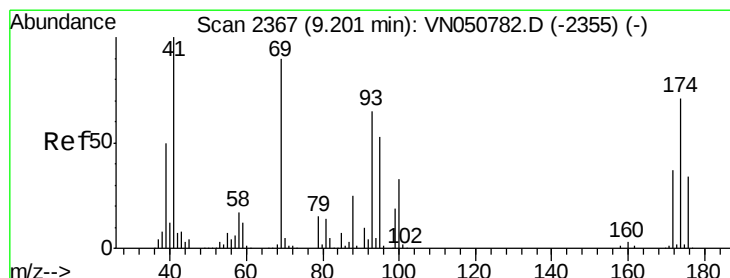
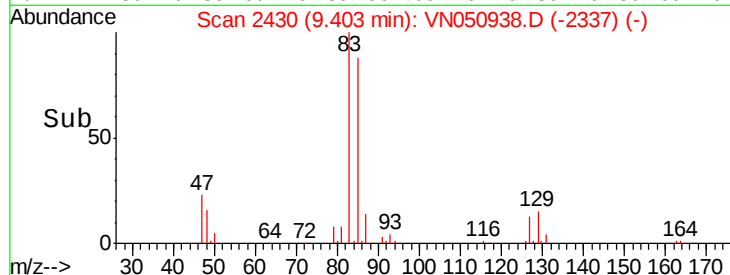
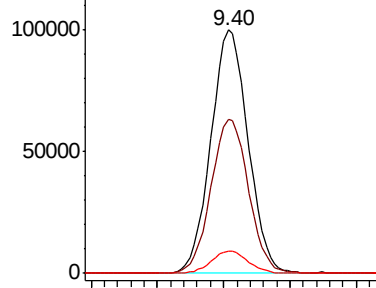
Tot Ion:	83	Resp:	194931
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.6	78.8
127	9.2	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN050938.D (-2337) (-)



#48

Methyl methacrylate

Concen: 21.414 ug/l

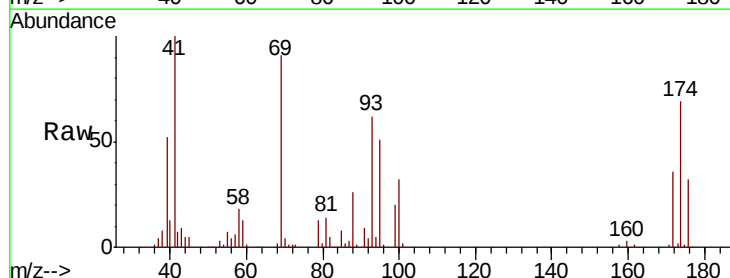
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

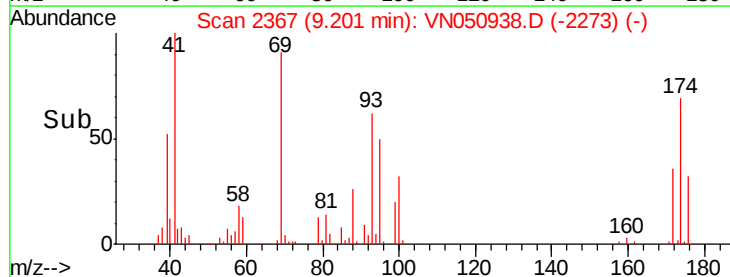
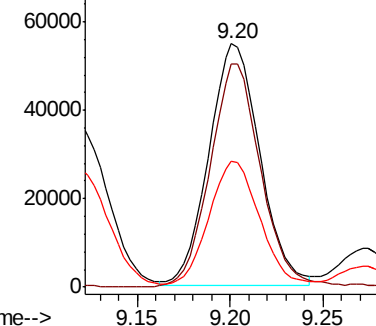
Lab File: VN050938.D

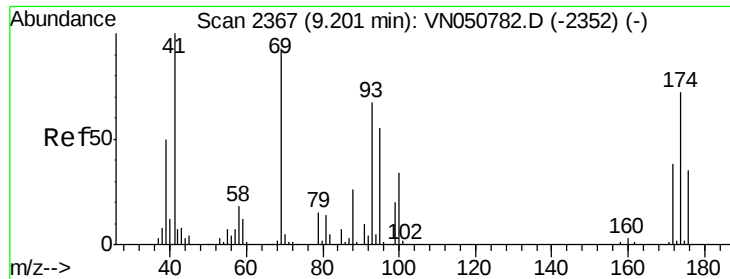
Acq: 29 Aug 2018 9:56

Tgt Ion:	41	Resp:	104573
Ion Ratio	Lower	Upper	
41	100		
69	91.8	74.7	112.1
39	52.7	42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050938.D (-2273) (-)





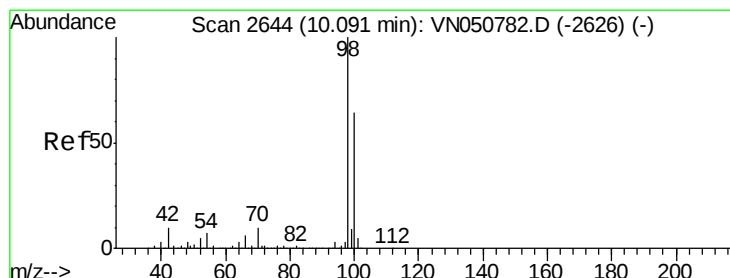
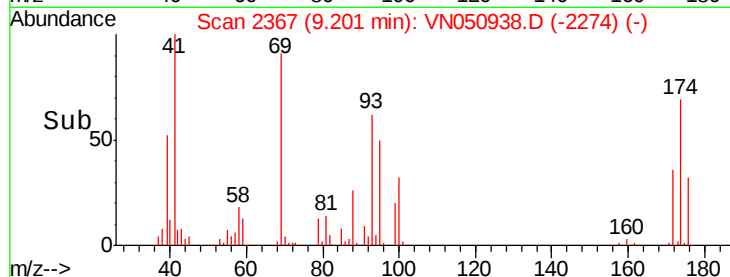
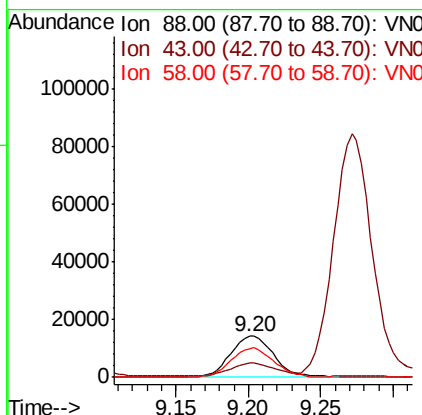
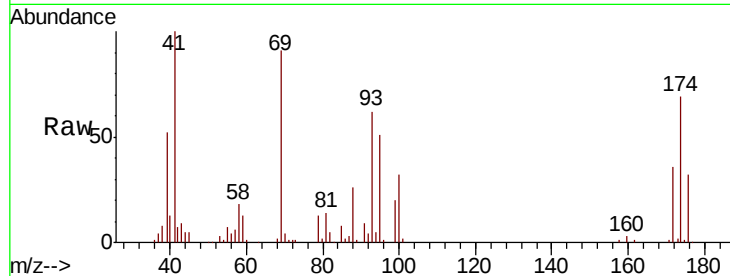
#49
 1,4-Dioxane
 Concen: 448.488 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.9	38.9
58	70.8	55.0	82.4

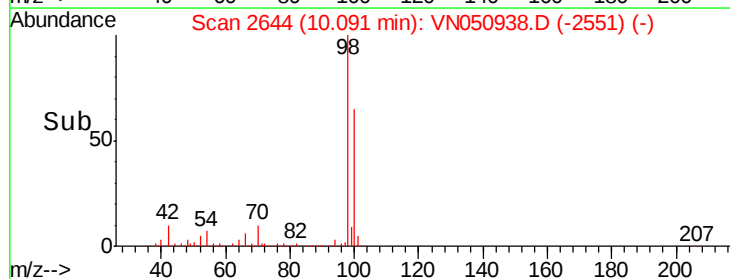
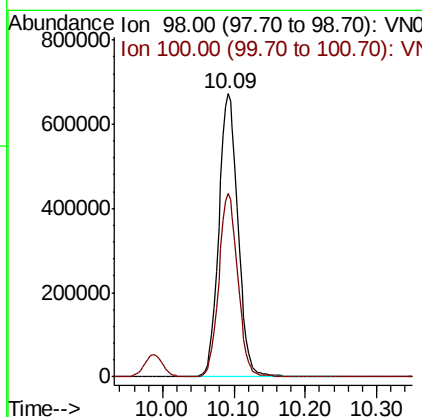
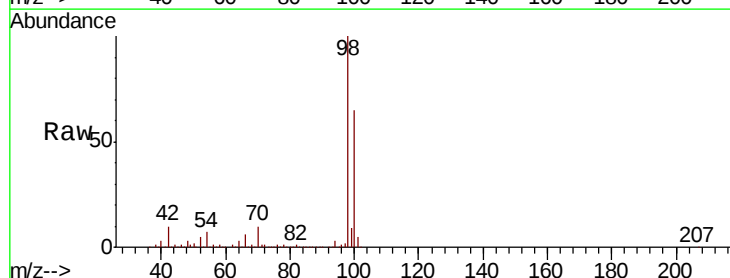
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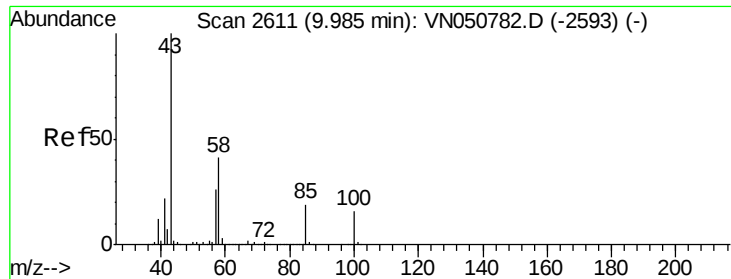
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#50
 Toluene-d8
 Concen: 50.907 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.5	77.3





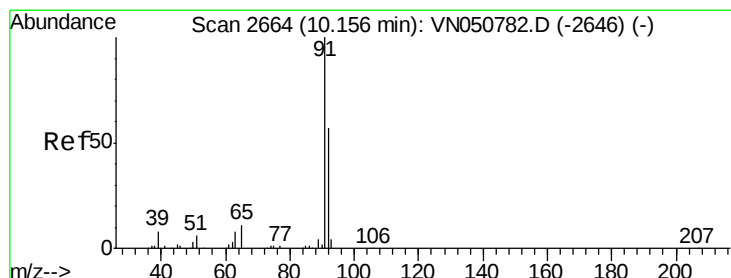
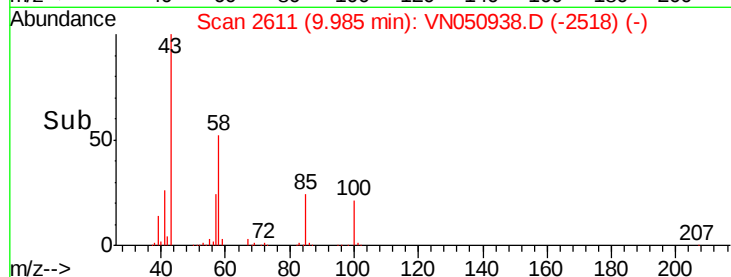
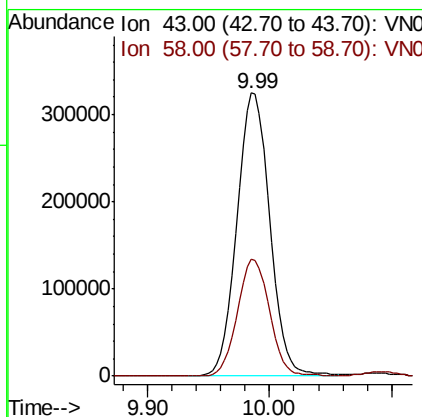
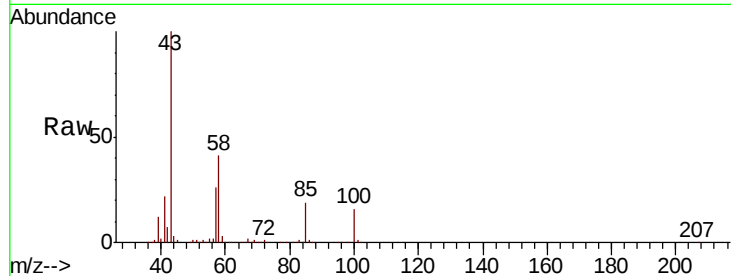
#51
4-Methyl-2-Pentanone
Concen: 105.241 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	43	Resp	601791
Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.4	48.6

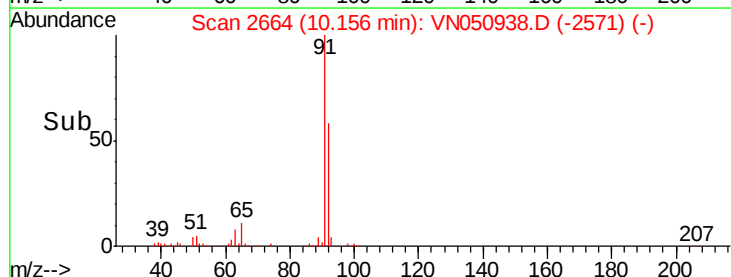
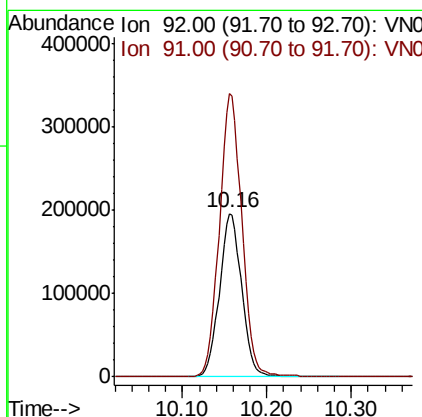
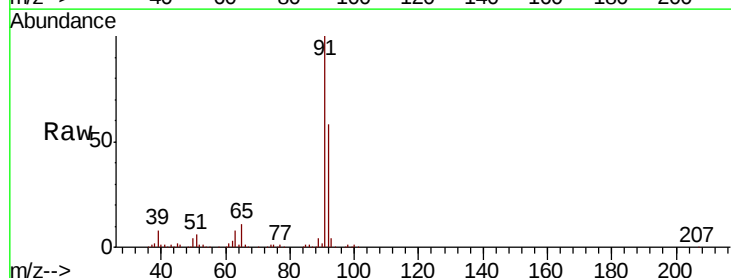
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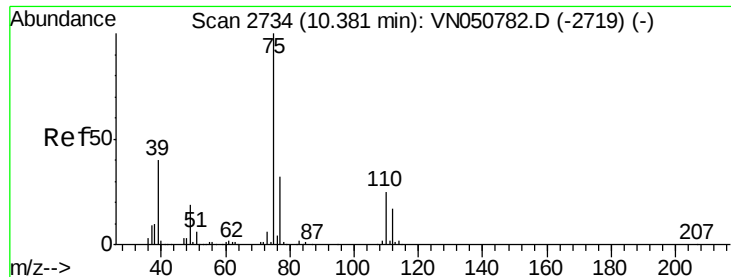
MMDadoda
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#52
Toluene
Concen: 20.733 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	92	Resp	359323
Ion	Ratio	Lower	Upper
92	100		
91	175.0	140.6	211.0





#53

t-1,3-Dichloropropene

Concen: 19.582 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 75 Resp: 184434

Ion Ratio Lower Upper

75 100

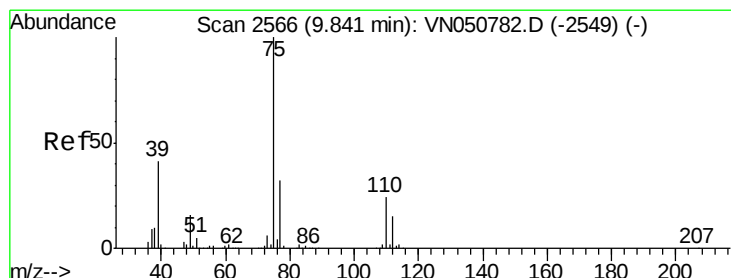
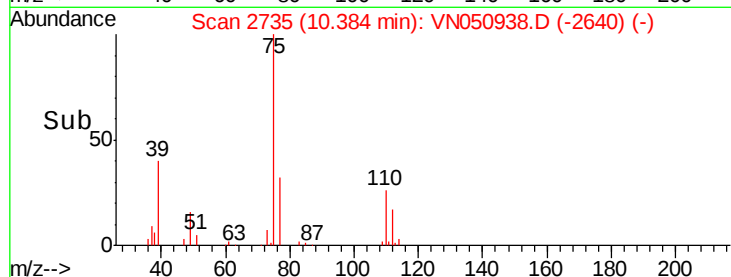
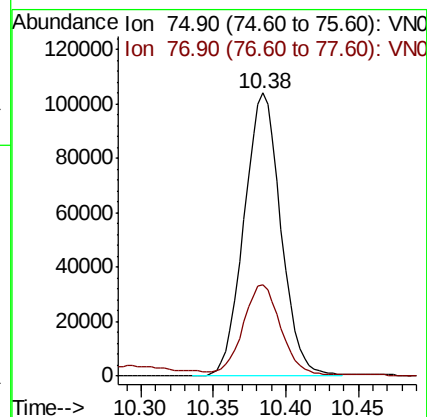
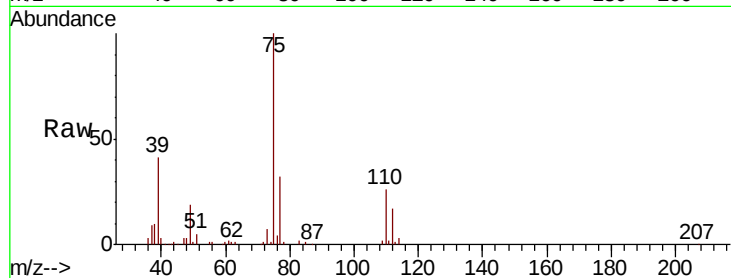
77 31.9 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.297 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

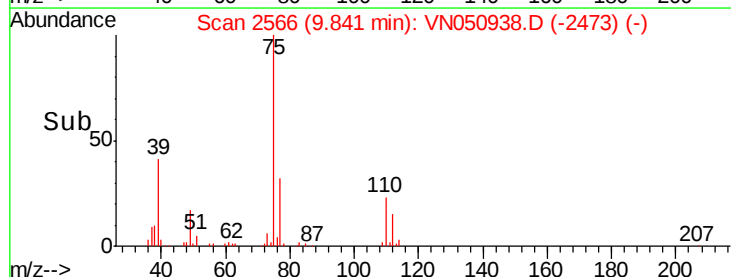
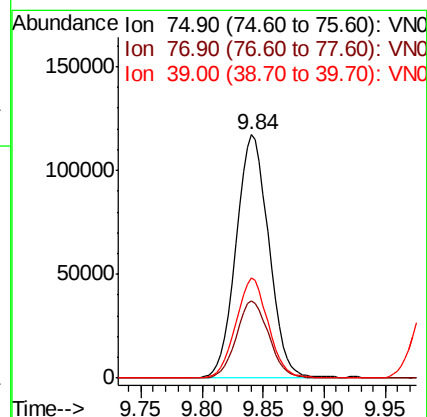
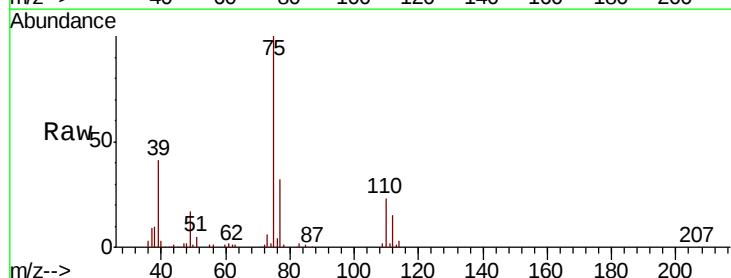
Tgt Ion: 75 Resp: 218909

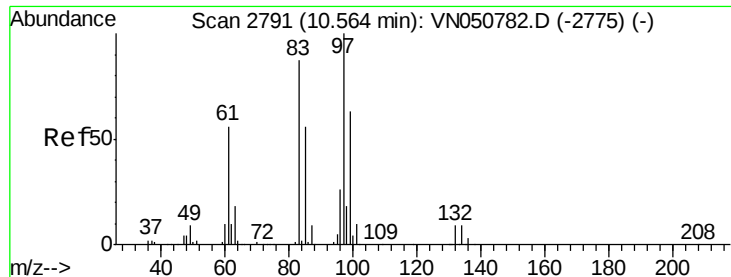
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 41.2 33.0 49.4





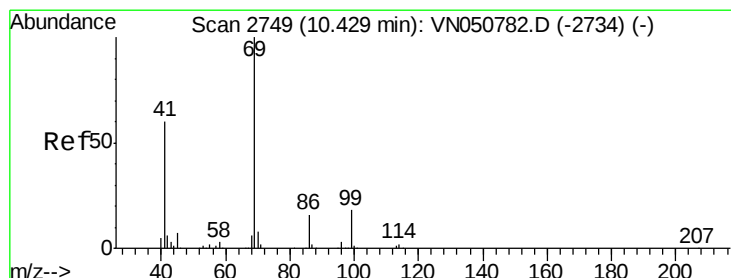
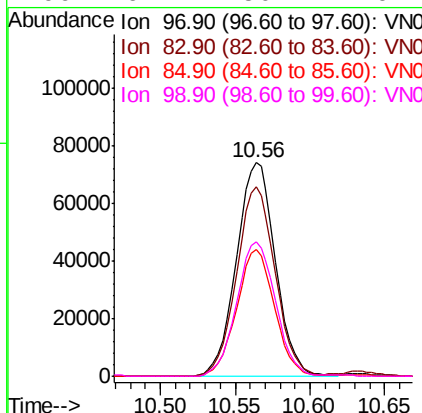
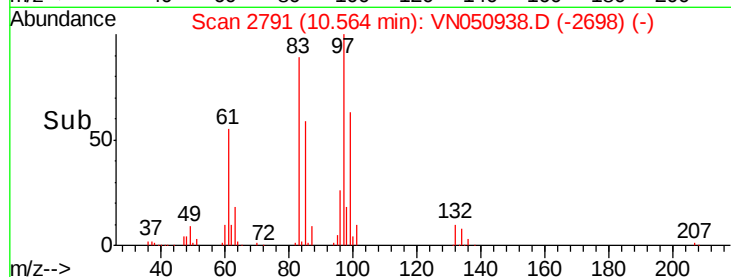
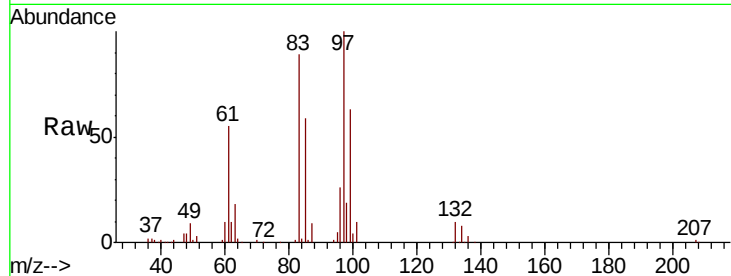
#55
 1,1,2-Trichloroethane
 Concen: 20.856 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBS01

Tot Ion:	97	Resp:	134154
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.7	104.5
85	59.1	44.5	66.7
99	62.7	50.7	76.1

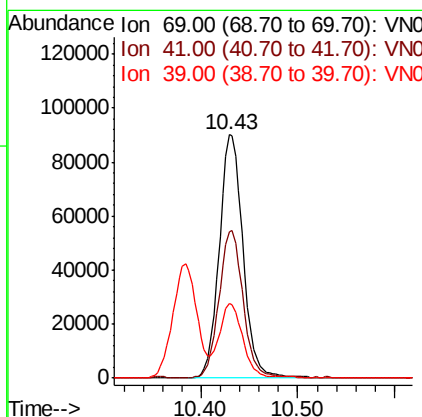
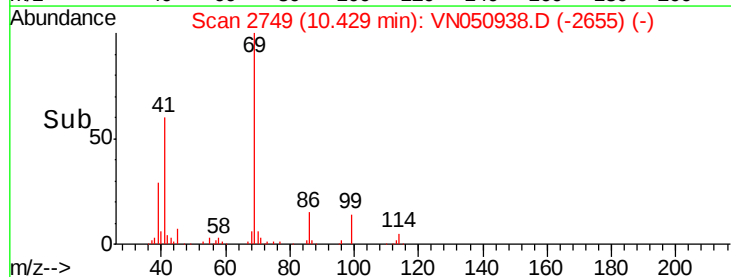
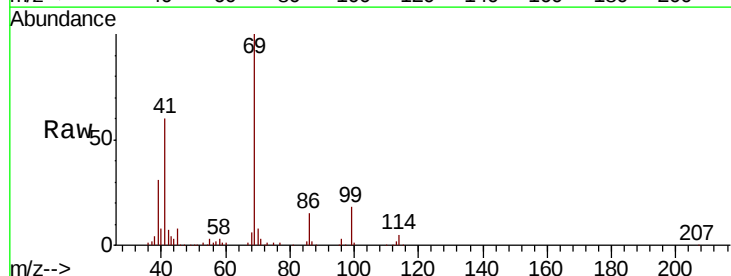
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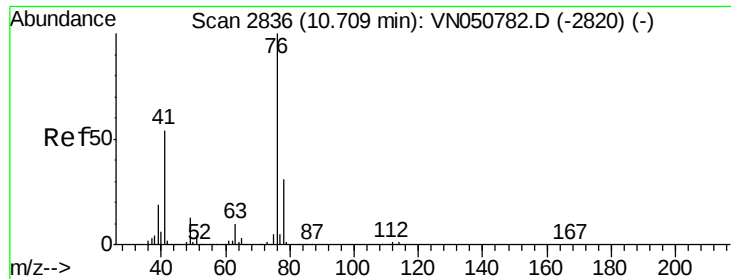
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#56
 Ethyl methacrylate
 Concen: 19.874 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion:	69	Resp:	153866
Ion	Ratio	Lower	Upper
69	100		
41	60.6	48.3	72.5
39	29.9	24.0	36.0





#57

1,3-Dichloropropane

Concen: 20.611 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 76 Resp: 218833

Ion Ratio Lower Upper

76 100

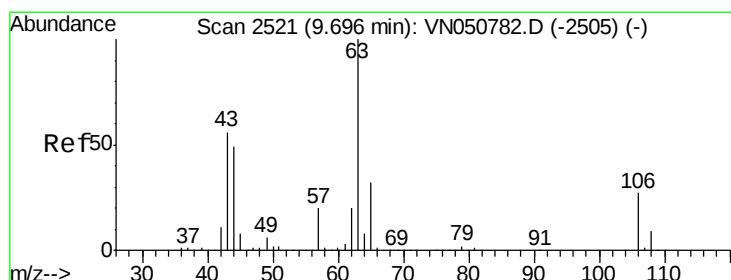
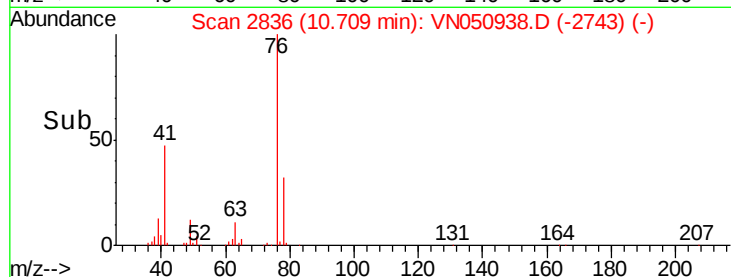
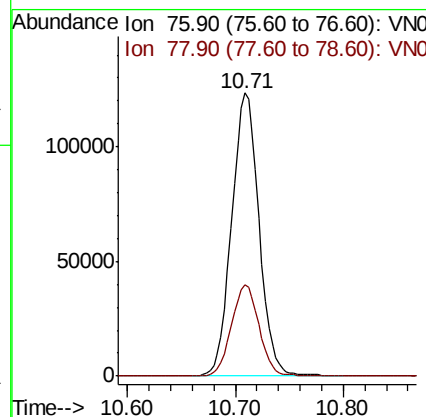
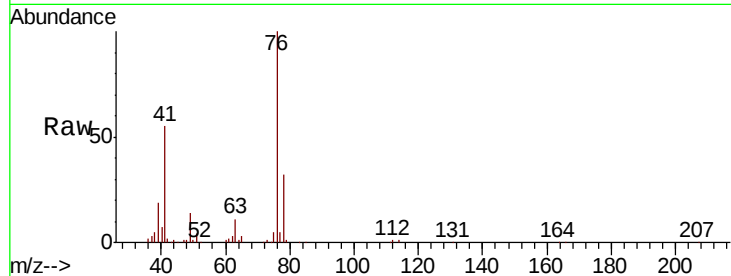
78 32.6 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 92.737 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050938.D

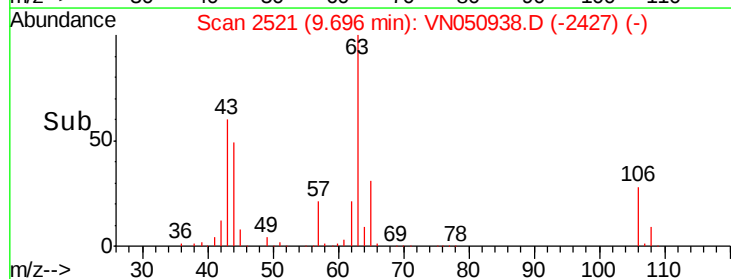
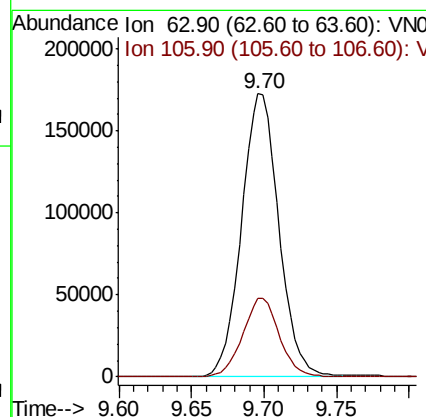
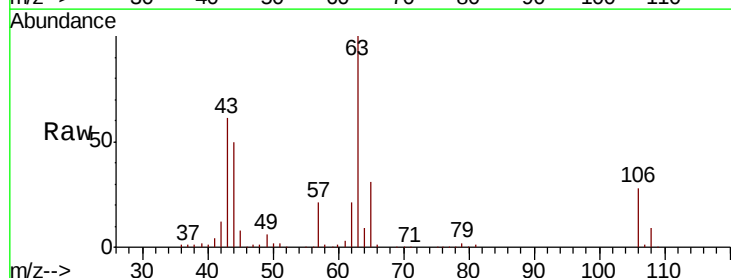
Acq: 29 Aug 2018 9:56

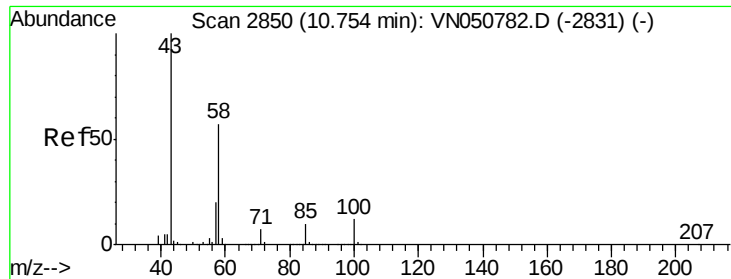
Tgt Ion: 63 Resp: 309100

Ion Ratio Lower Upper

63 100

106 27.4 21.9 32.9





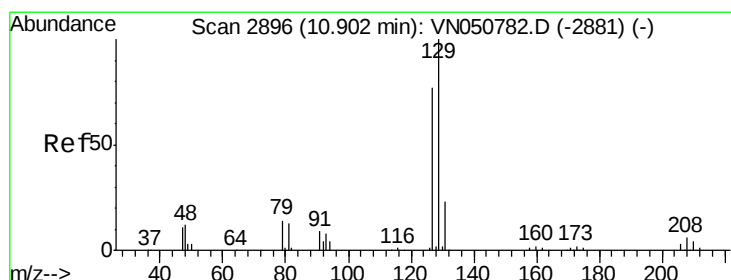
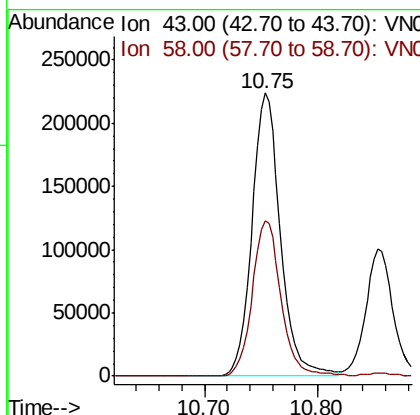
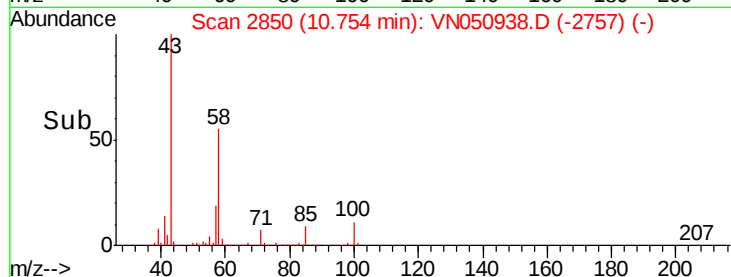
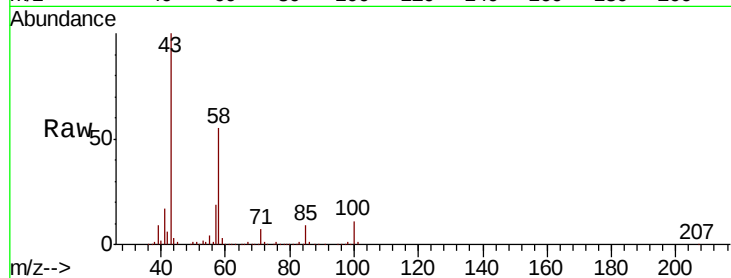
#59
2-Hexanone
Concen: 102.243 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	43	Resp	389212
Ion Ratio	100	Lower	Upper
43	100		
58	55.8	28.3	85.0

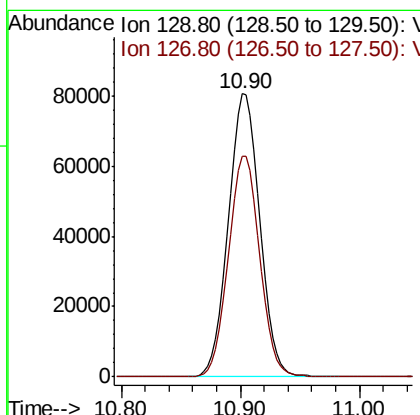
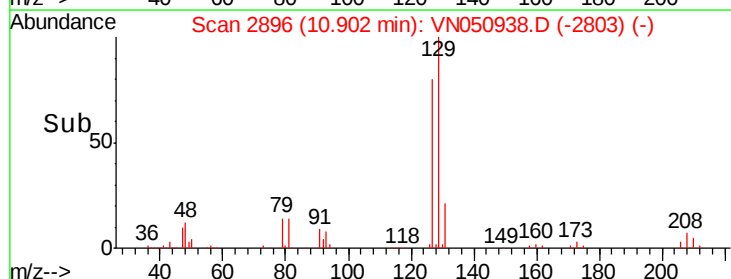
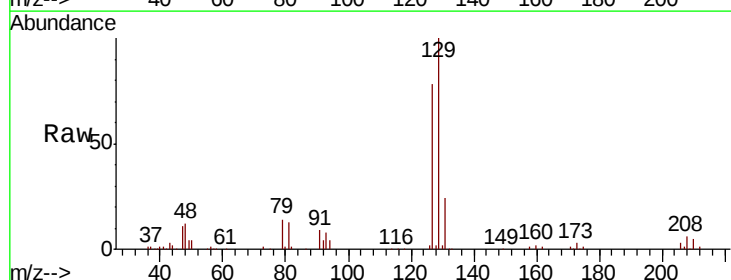
Manual Integrations
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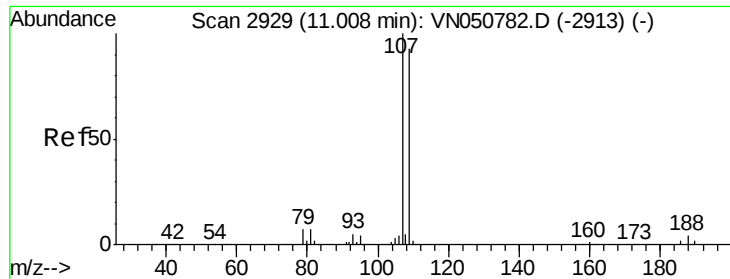
MMDadoda
8/30/2018 11:07:32 AM



#60
Dibromochloromethane
Concen: 20.522 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	129	Resp	147803
Ion Ratio	100	Lower	Upper
129	100		
127	77.6	38.3	114.9





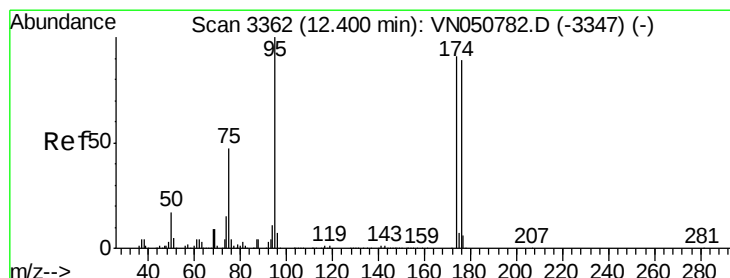
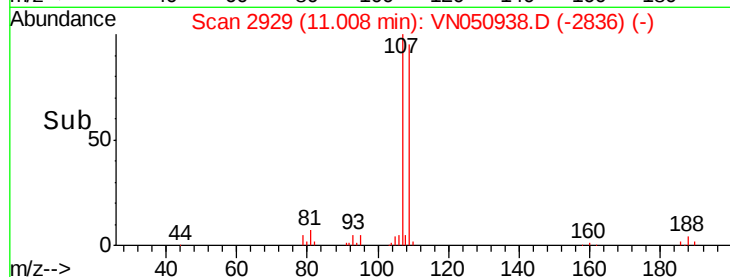
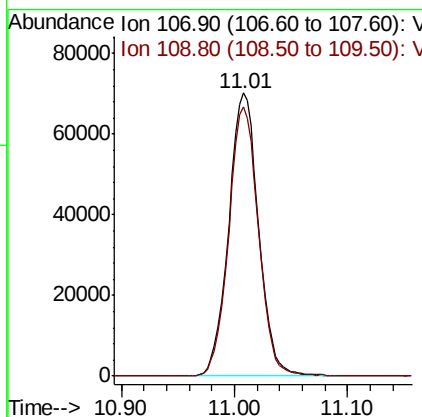
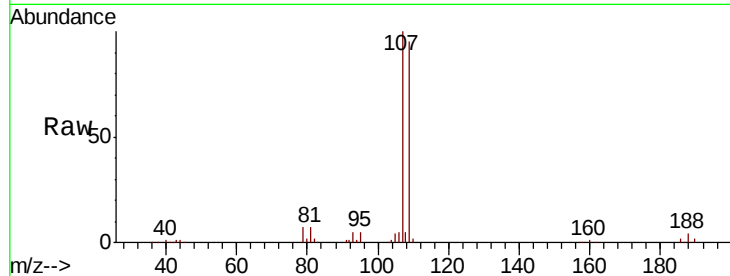
#61
 1,2-Dibromoethane
 Concen: 20.710 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	128816		
109	94.9	75.4	113.2	

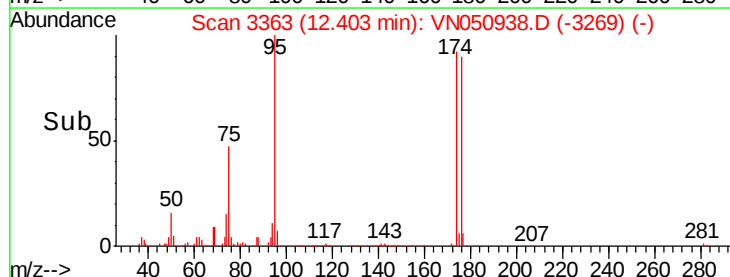
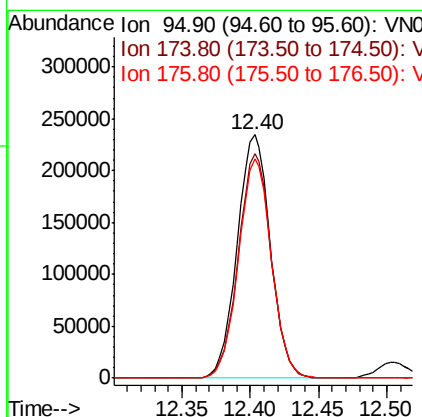
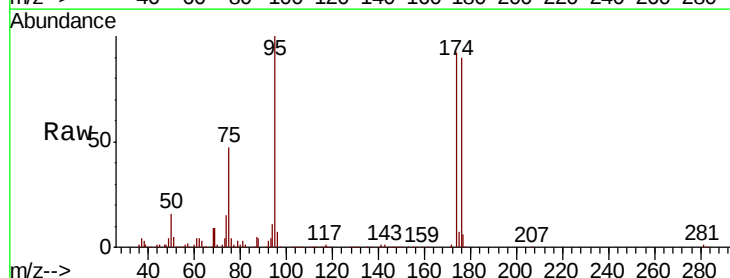
Manual Integrations
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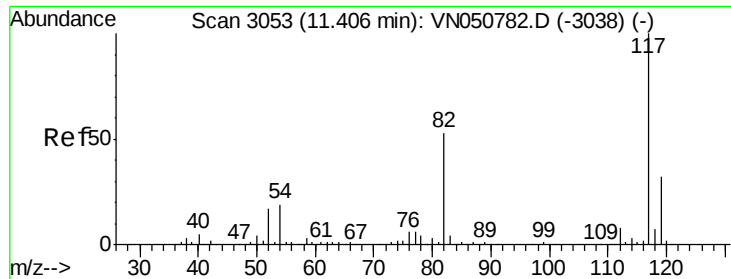
MMDadoda
 8/30/2018 11:07:32 AM



#62
 4-Bromofluorobenzene
 Concen: 48.754 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	396185		
174	91.6	0.0	183.0	
176	89.1	0.0	178.8	





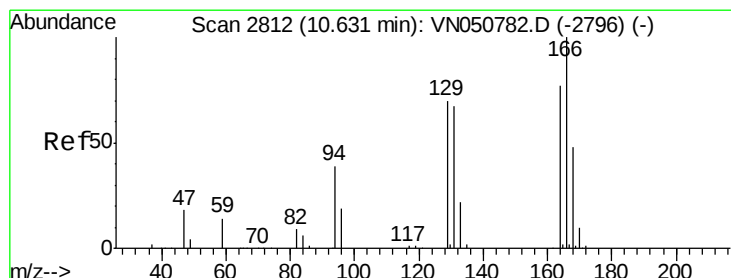
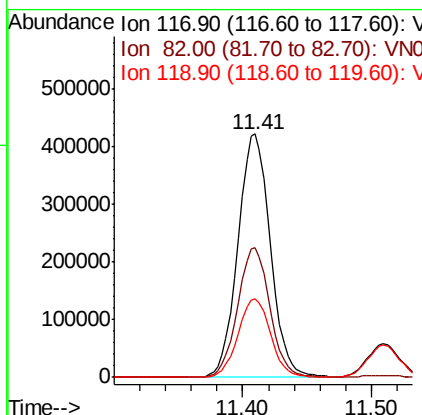
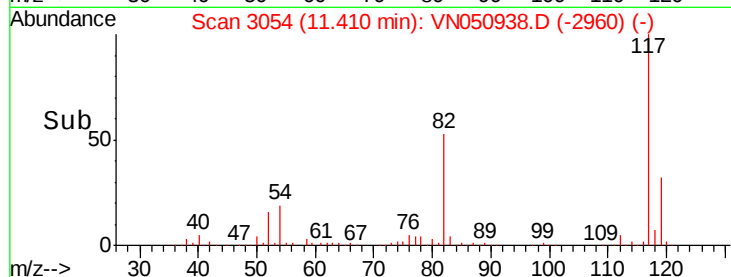
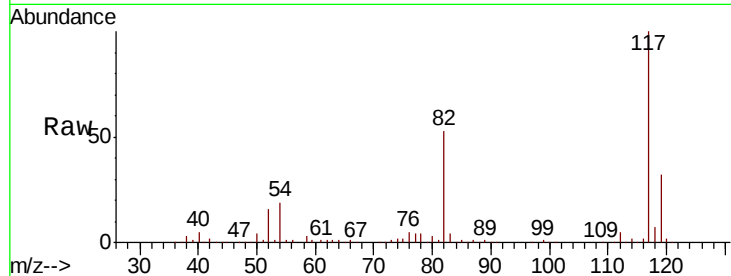
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.4	25.8	38.6

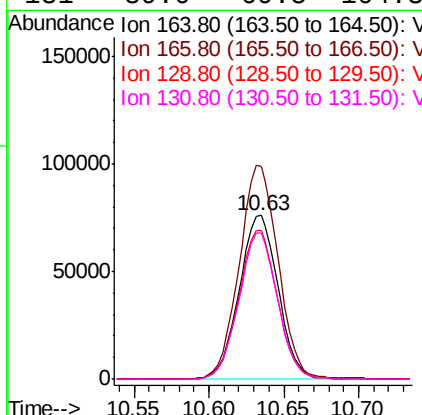
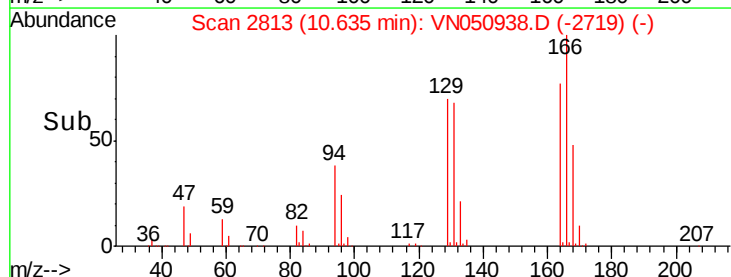
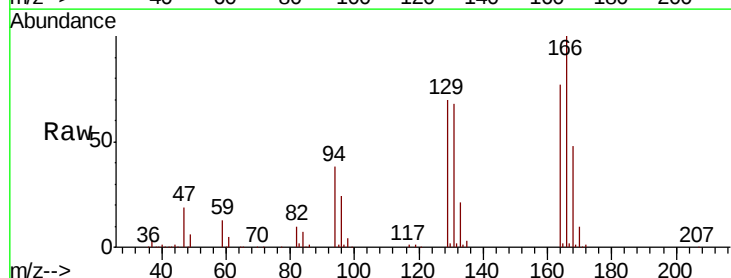
Manual Integrations
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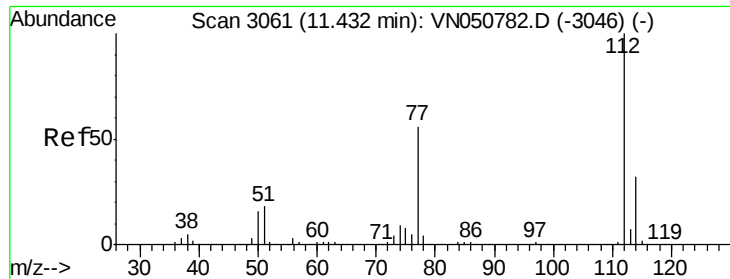
MMDadoda
8/30/2018 11:07:32 AM



#64
Tetrachloroethene
Concen: 19.611 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.5	155.3
129	90.4	72.7	109.1
131	89.0	69.5	104.3





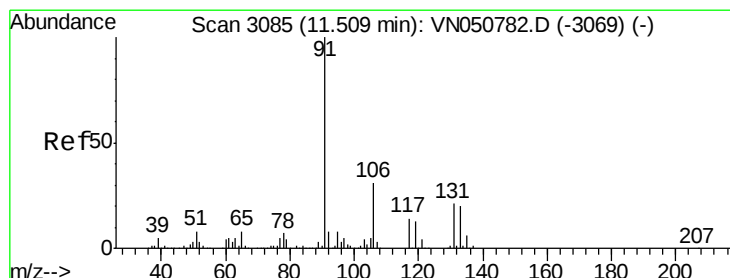
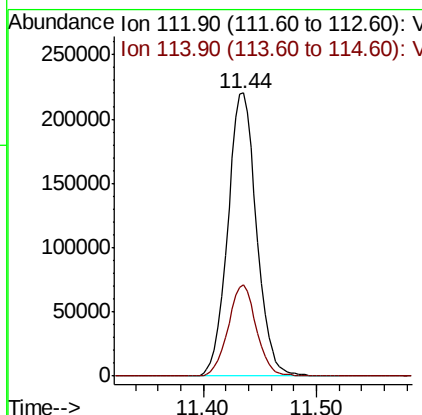
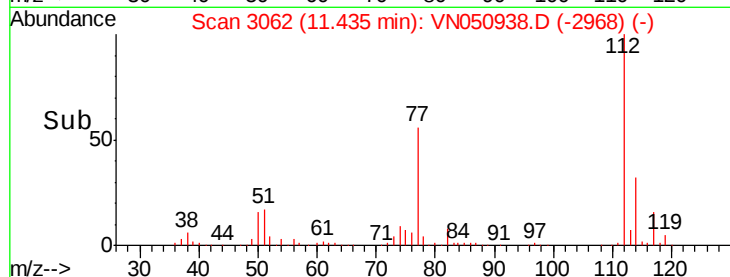
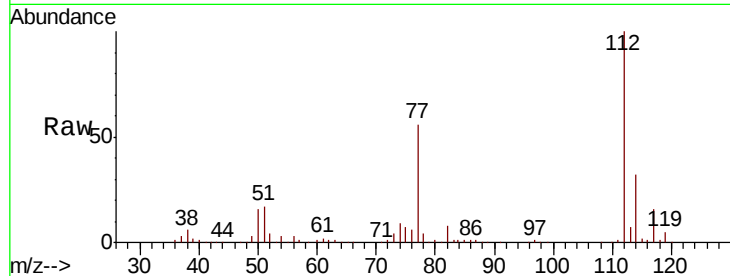
#65
Chlorobenzene
Concen: 20.129 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

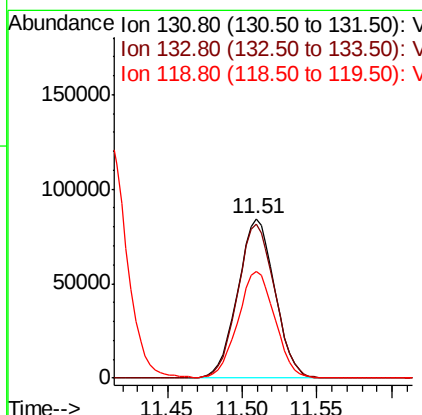
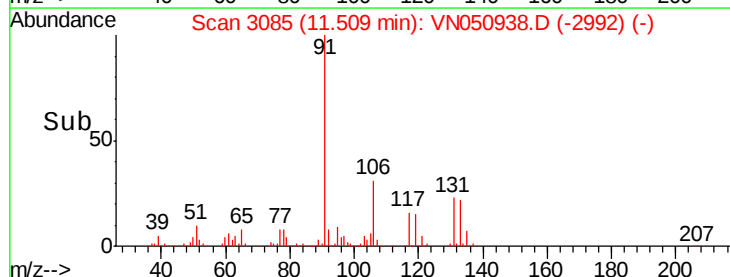
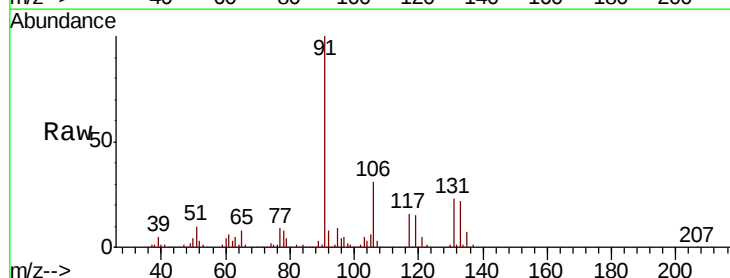
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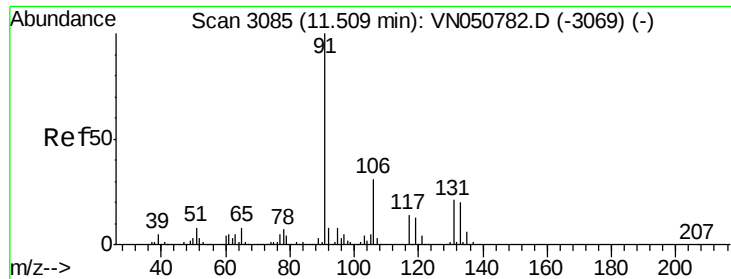
MMDadoda
8/30/2018 11:07:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.581 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.4	142.3
119	67.0	32.8	98.4





#67

Ethyl Benzene

Concen: 20.170 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 91 Resp: 632420

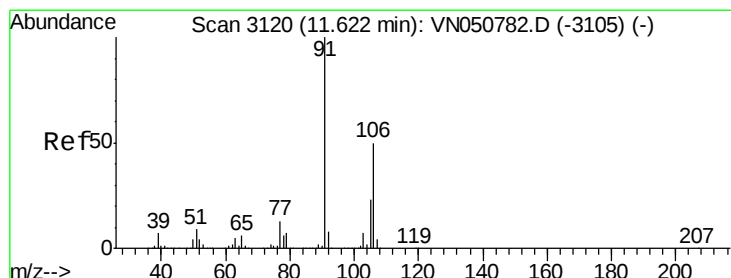
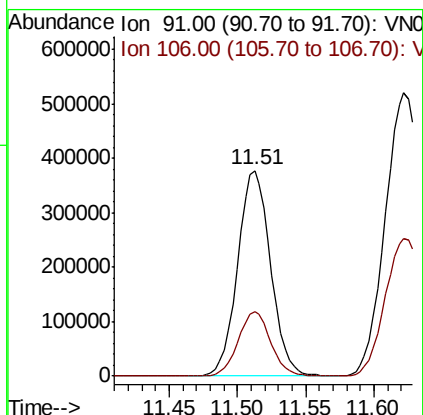
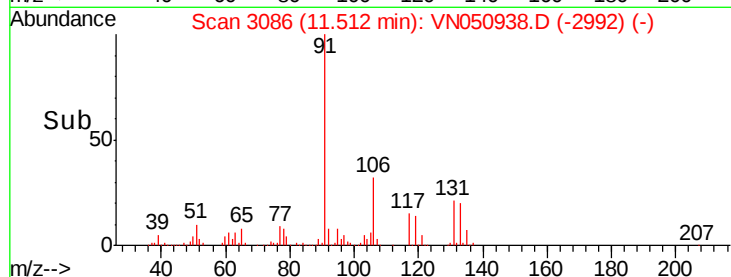
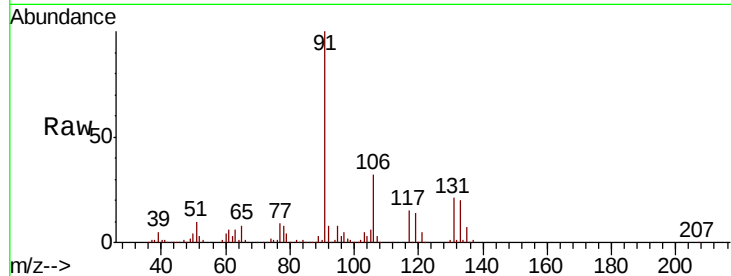
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4

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8/30/2018 11:07:32 AM



#68

m/p-Xylenes

Concen: 41.515 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050938.D

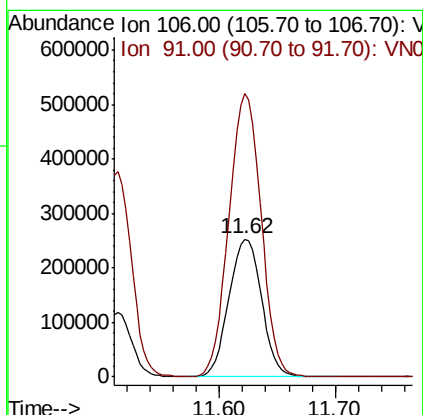
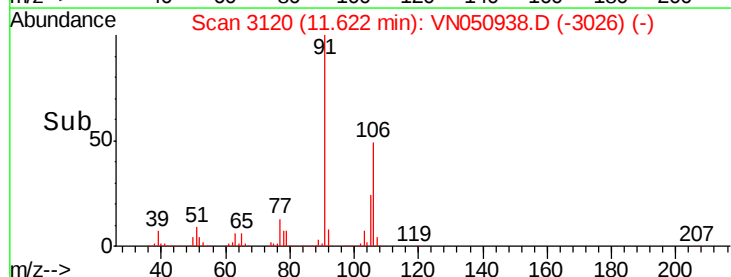
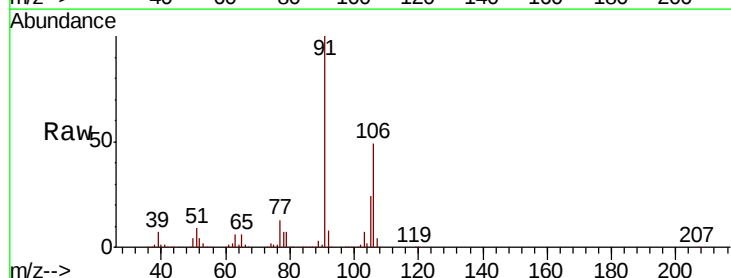
Acq: 29 Aug 2018 9:56

Tgt Ion: 106 Resp: 494081

Ion Ratio Lower Upper

106 100

91 201.9 161.0 241.6





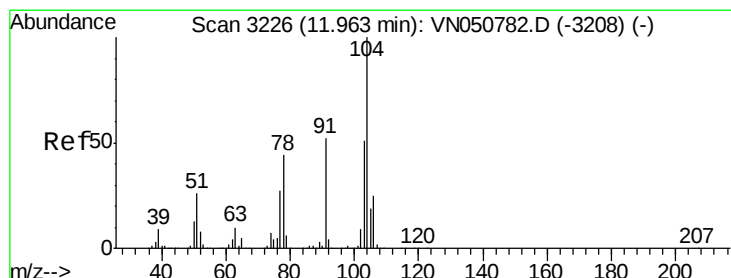
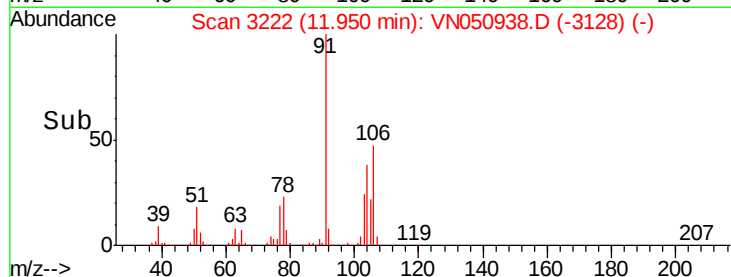
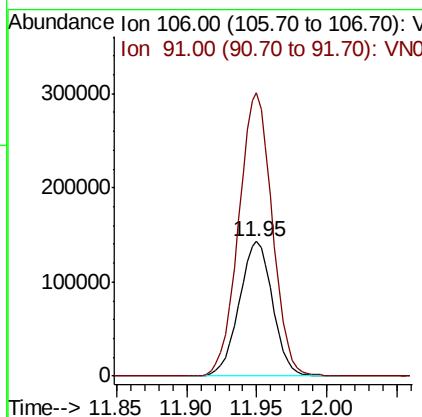
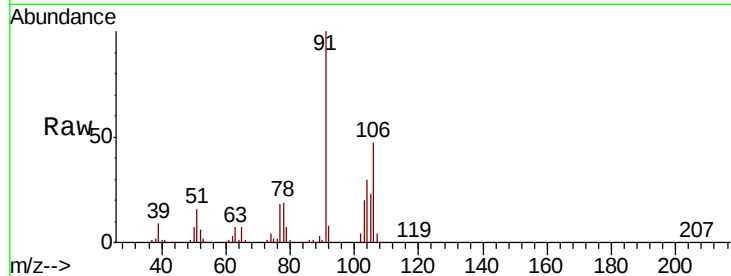
#69
o-Xylene
Concen: 20.702 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	236865		
91	211.8	106.5	319.5	

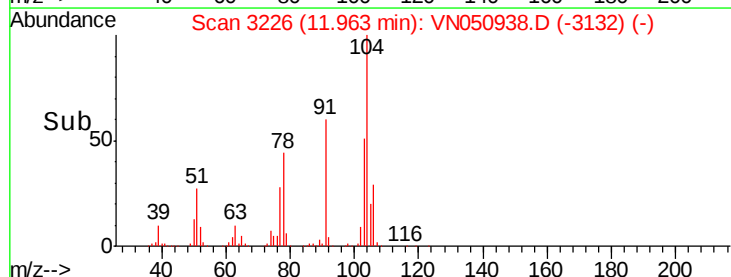
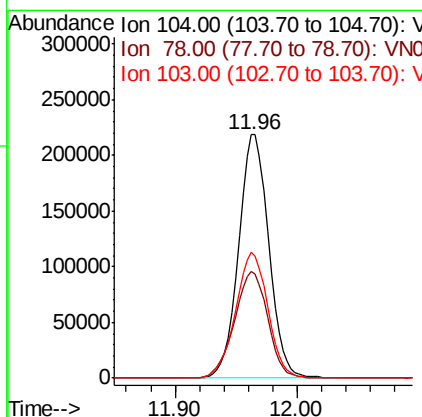
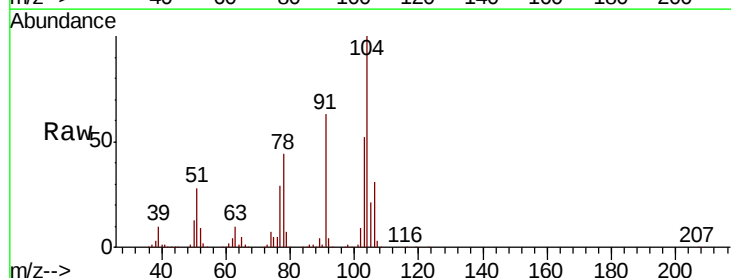
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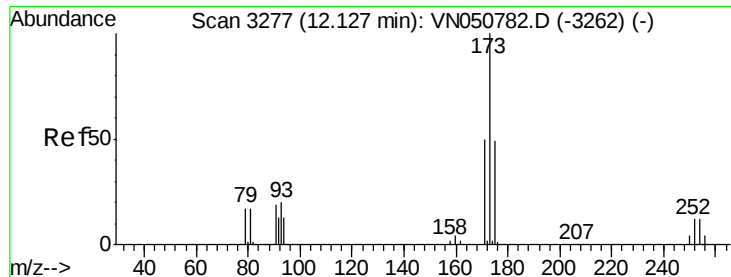
MMDadoda
8/30/2018 11:07:32 AM



#70
Styrene
Concen: 19.271 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	372428		
78	48.5	38.2	57.4	
103	55.6	44.4	66.6	





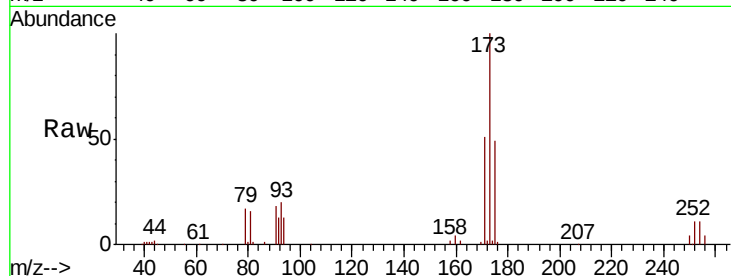
#71
Bromoform
Concen: 21.402 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.0	0.1	0.1#

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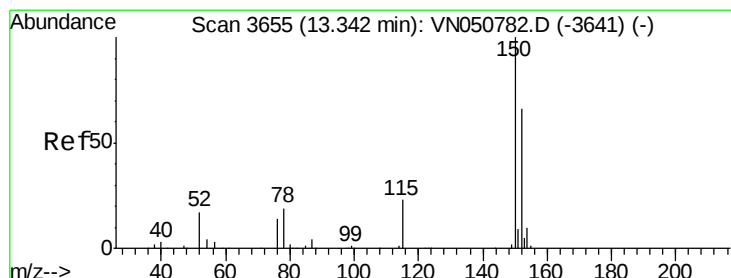
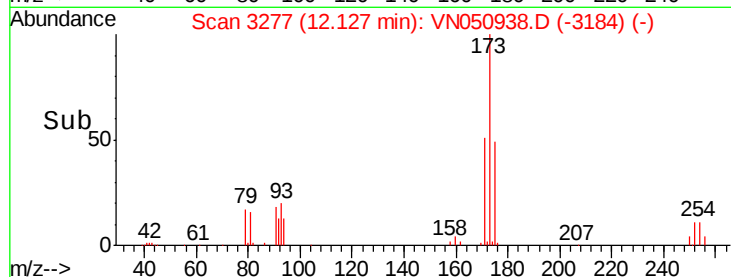
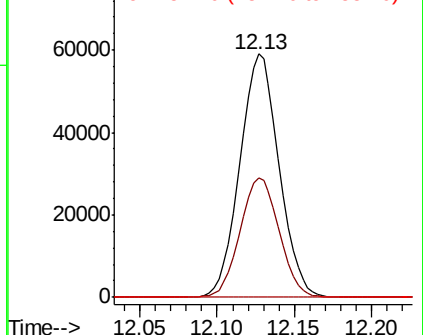


Abundance

Ion 172.70 (172.40 to 173.40): V

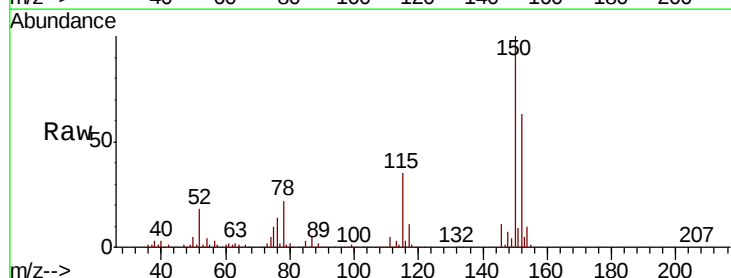
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.4
150	164.9	0.0	351.4

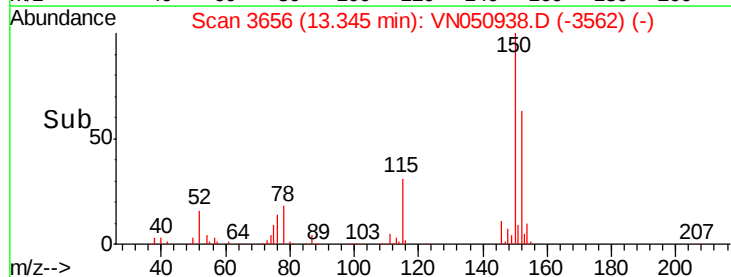
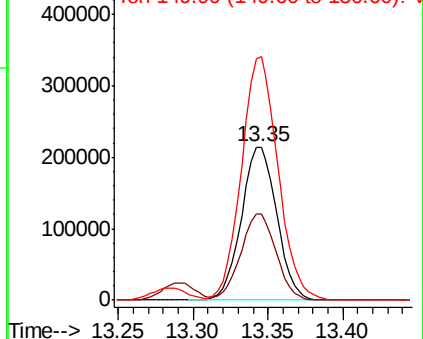


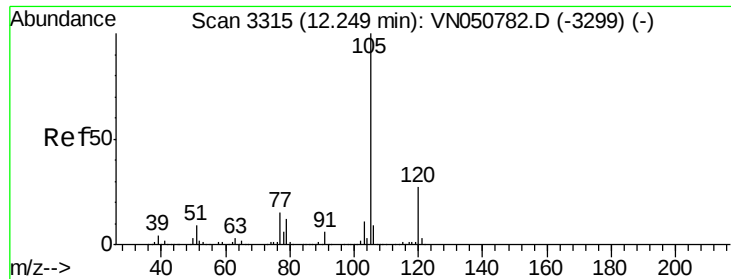
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





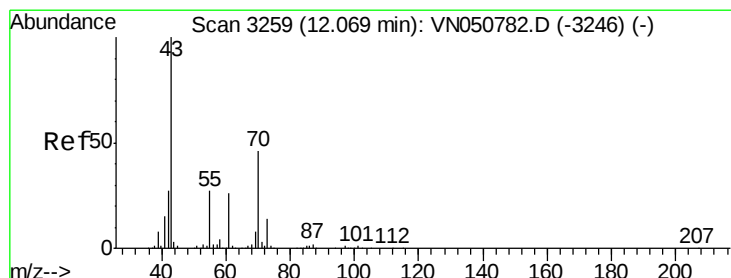
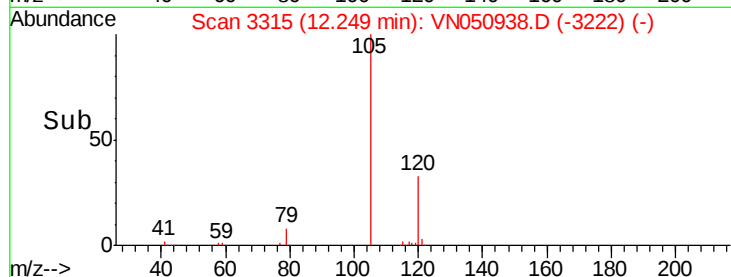
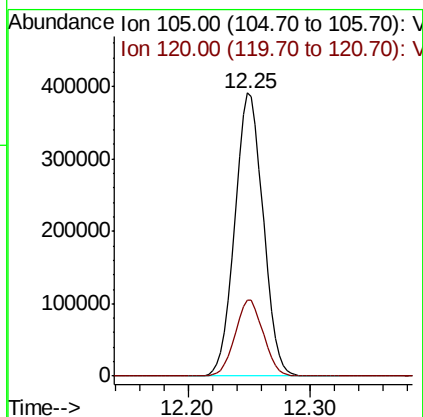
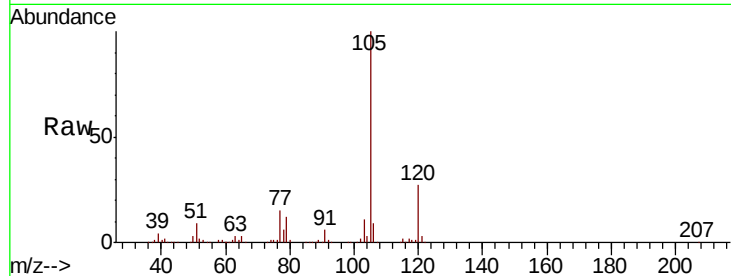
#73
Isopropylbenzene
Concen: 21.615 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

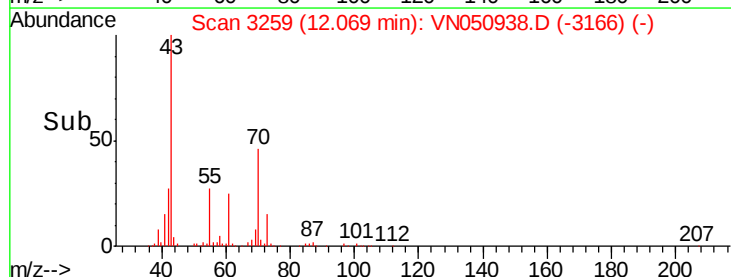
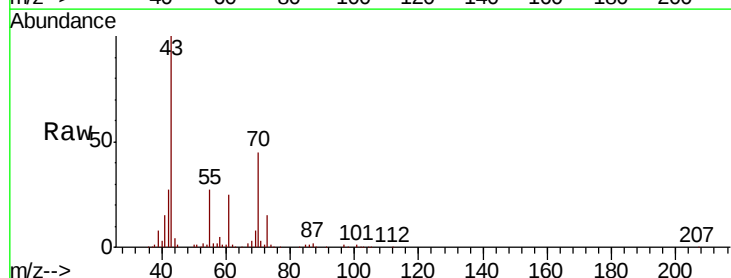
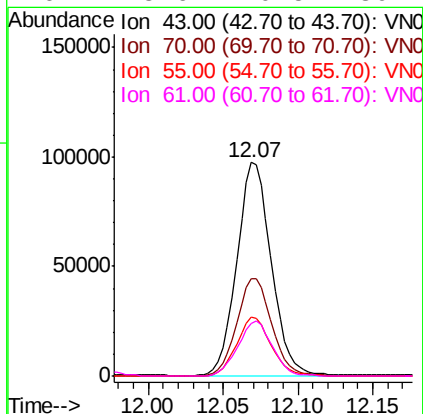
Manual Integrations
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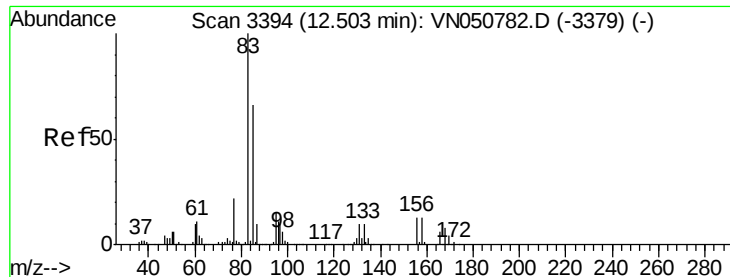
MMDadoda
8/30/2018 11:07:32 AM



#74
N-ethyl acetate
Concen: 21.357 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.2	54.2
55	27.7	21.8	32.8
61	25.6	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 23.394 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

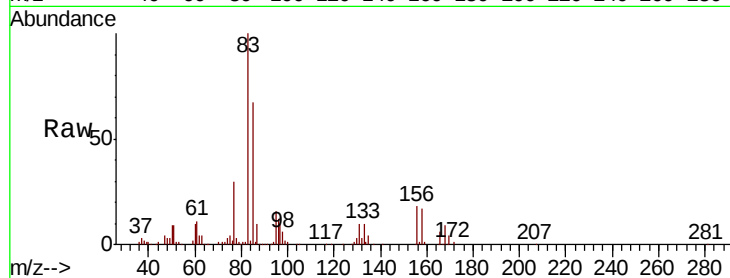
ClientSampleId :

VN0829WBS01

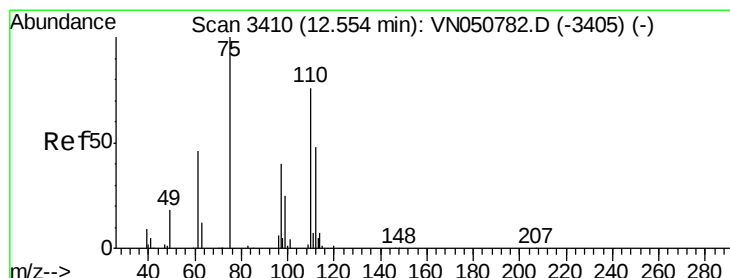
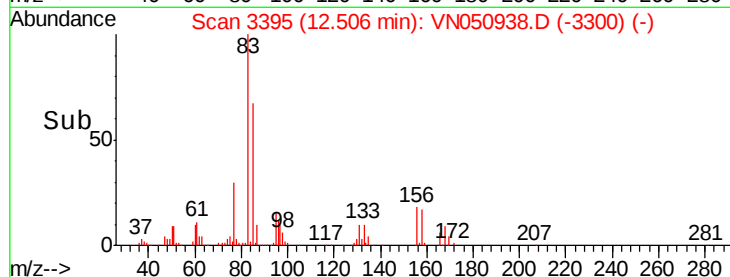
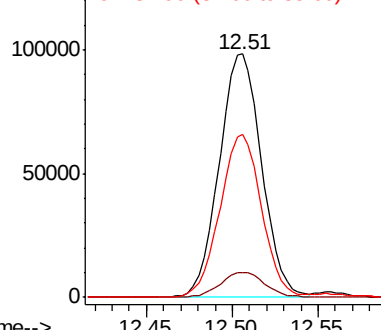
Tot Ion:	83	Resp:	168351
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	65.6	31.9	95.7

Manual Integrations
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MMDadoda
8/30/2018 11:07:32 AM



Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 22.905 ug/l m

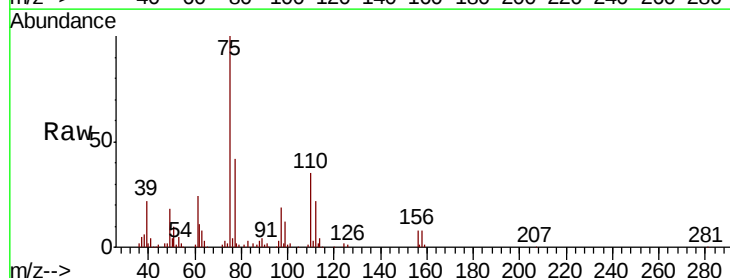
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

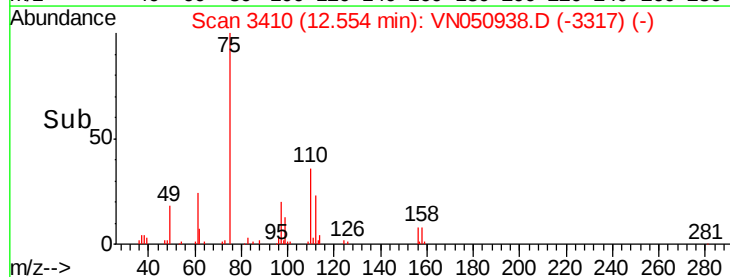
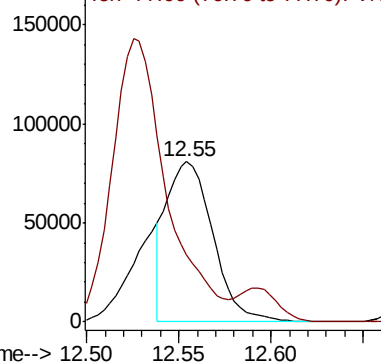
Lab File: VN050938.D

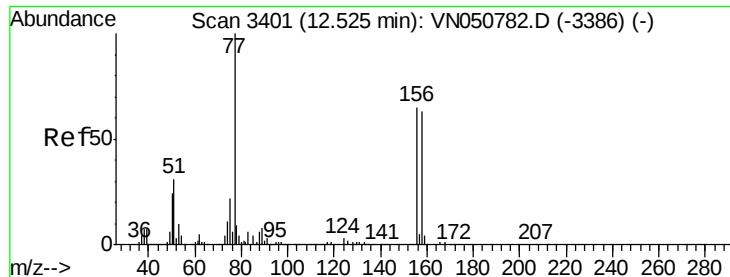
Acq: 29 Aug 2018 9:56

Tgt Ion:	75	Resp:	140995
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 20.768 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

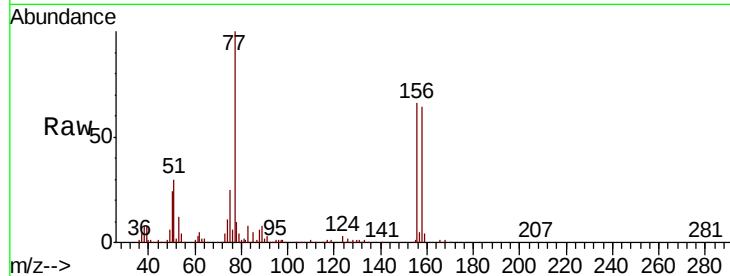
ClientSampleId :

VN0829WBS01

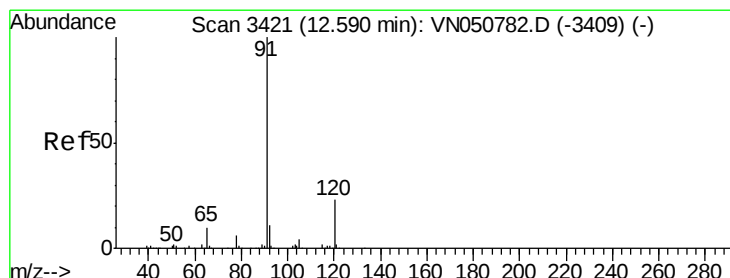
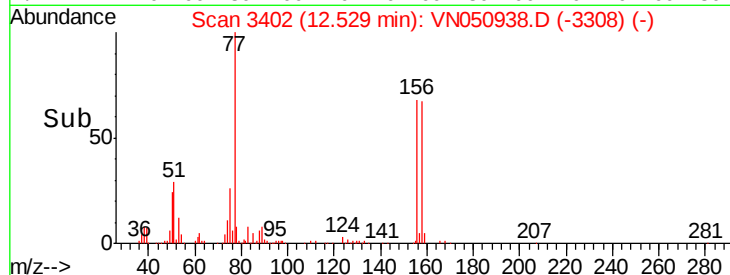
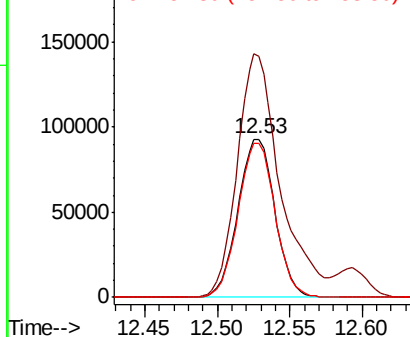
Tot Ion:	156	Resp:	164256
Ion Ratio	Lower	Upper	
156	100		
77	179.4	89.9	269.7
158	97.7	49.3	147.9

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.437 ug/l

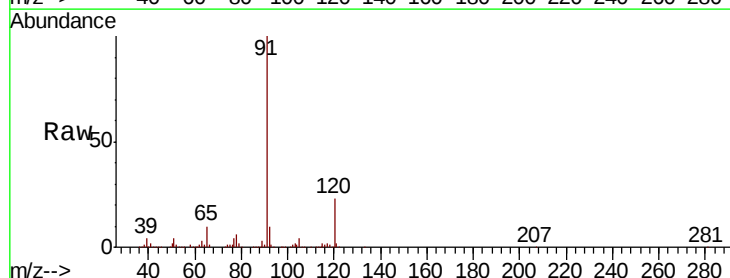
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

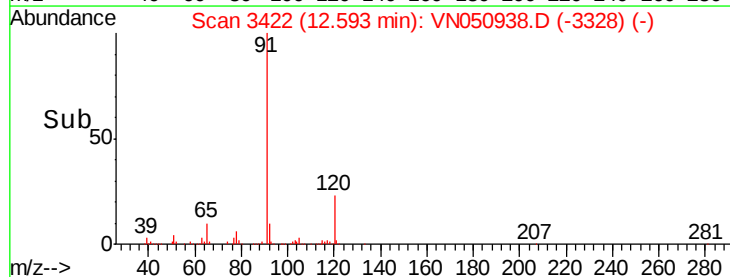
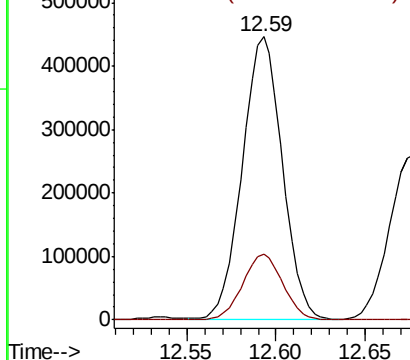
Lab File: VN050938.D

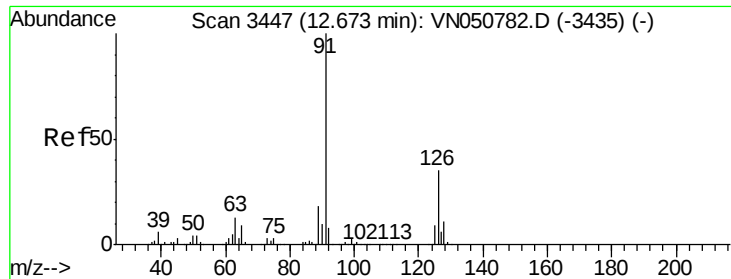
Acq: 29 Aug 2018 9:56

Tgt Ion:	91	Resp:	696910
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.288 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 91 Resp: 431074

Ion Ratio Lower Upper

91 100

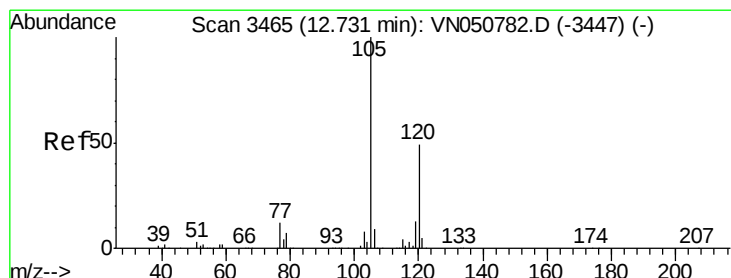
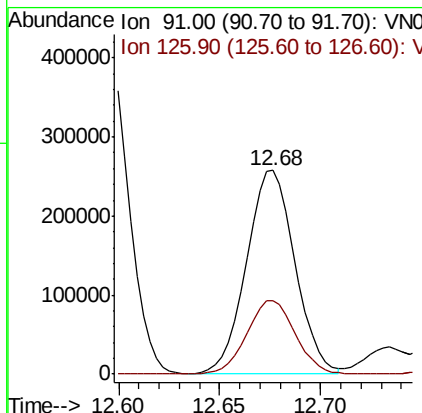
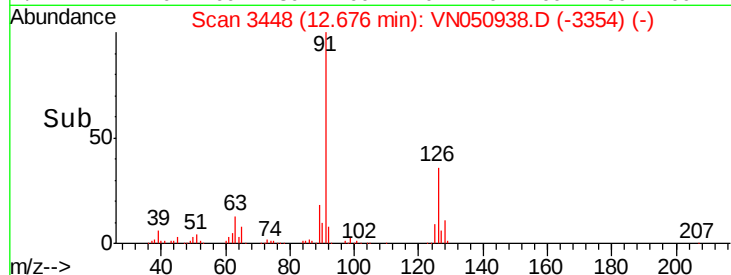
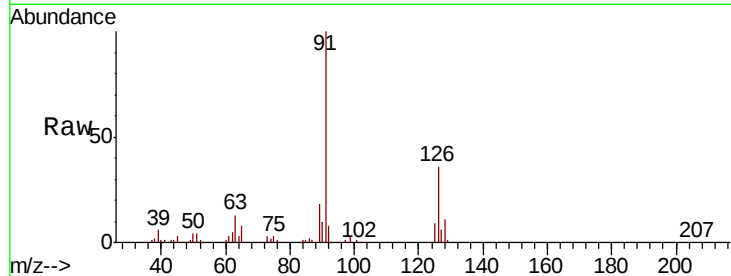
126 36.3 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.043 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050938.D

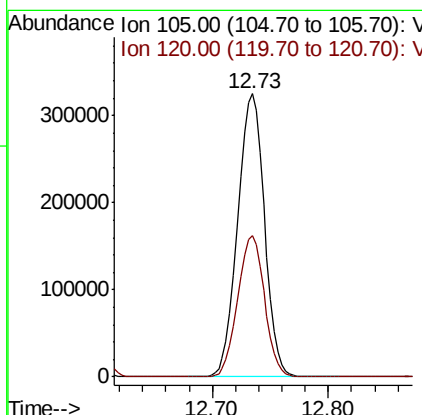
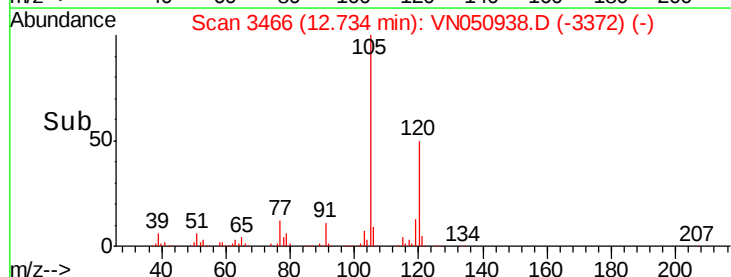
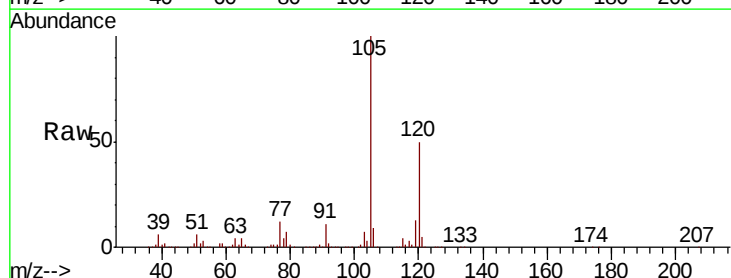
Acq: 29 Aug 2018 9:56

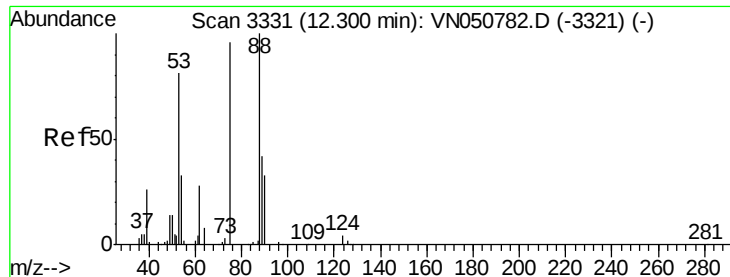
Tgt Ion: 105 Resp: 517603

Ion Ratio Lower Upper

105 100

120 50.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.567 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 75 Resp: 37451

Ion Ratio Lower Upper

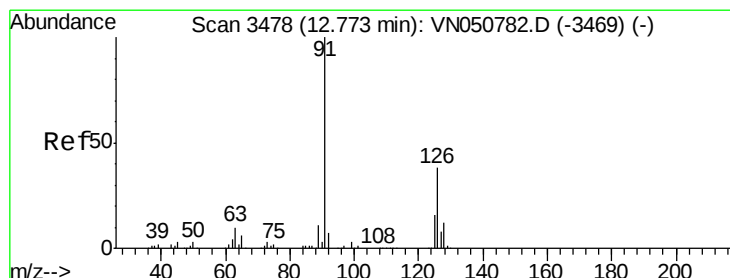
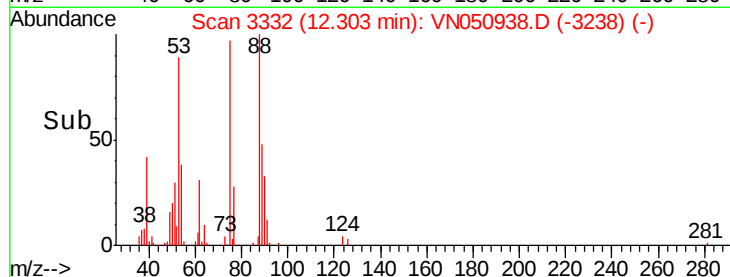
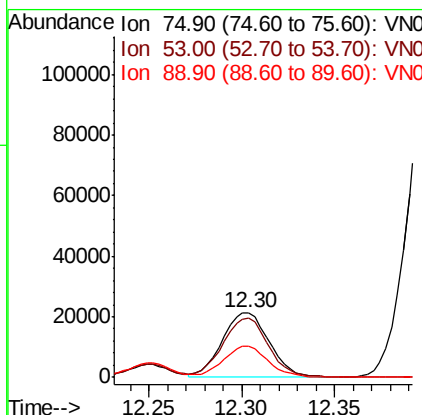
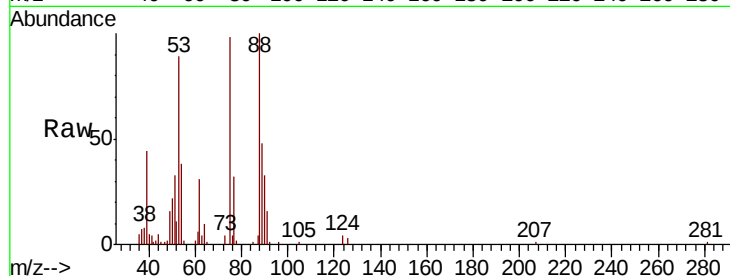
75 100

53 90.3 68.9 103.3

89 46.2 36.1 54.1

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#82

4-Chlorotoluene

Concen: 21.275 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050938.D

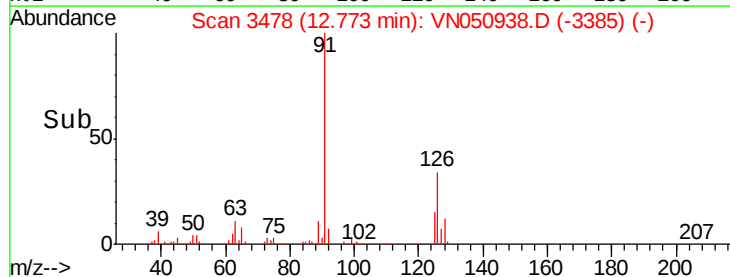
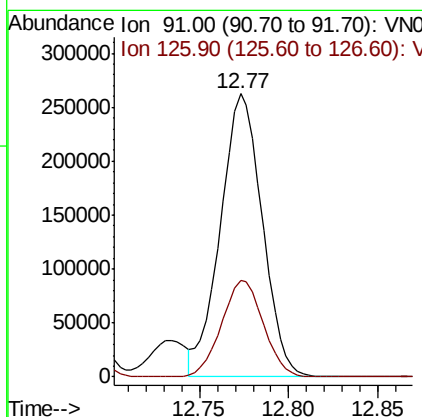
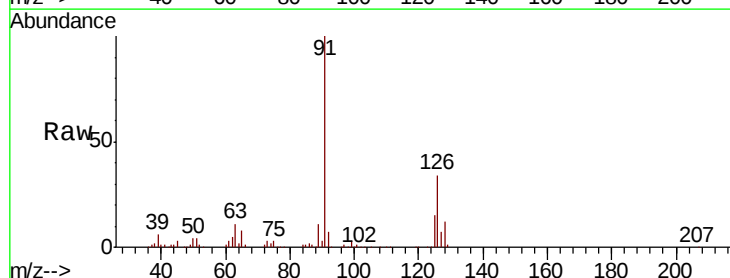
Acq: 29 Aug 2018 9:56

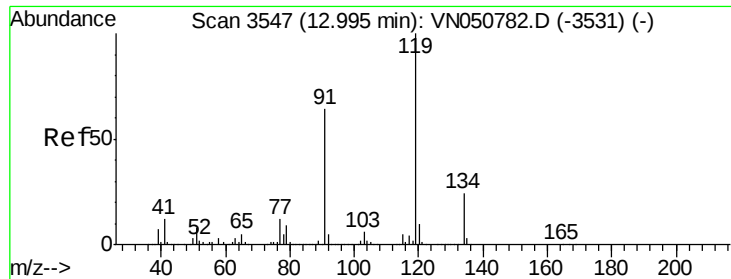
Tgt Ion: 91 Resp: 425306

Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.5





#83

tert-Butylbenzene

Concen: 21.810 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

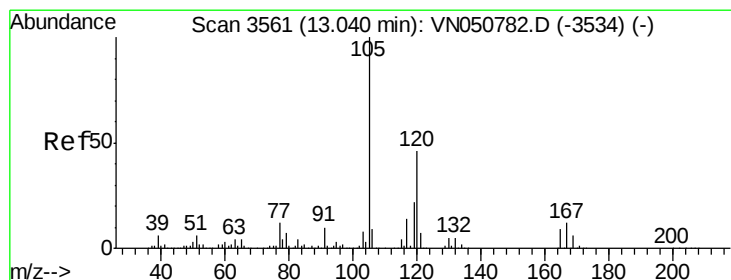
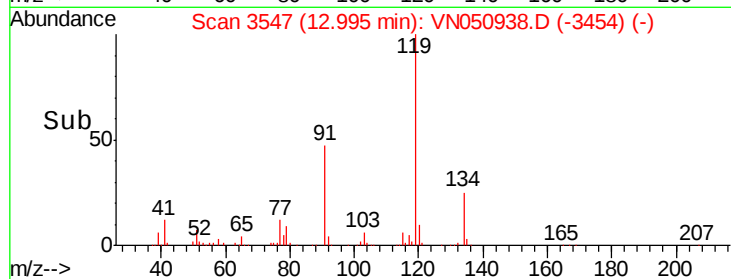
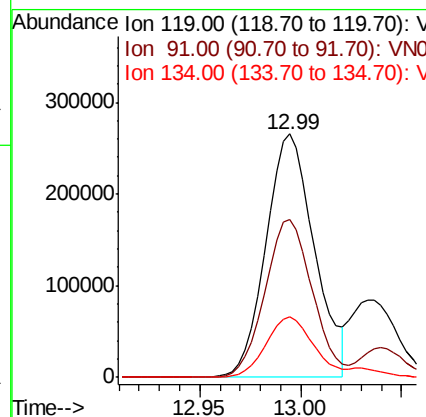
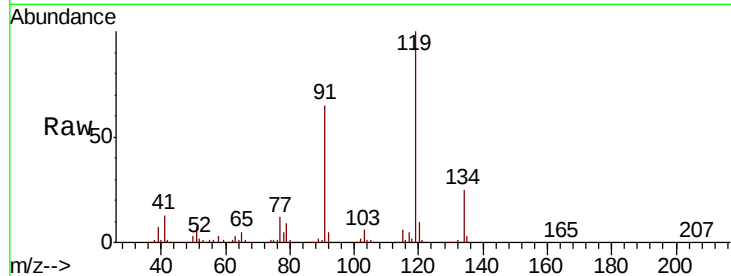
ClientSampleId :

VN0829WBS01

Tot Ion:	119	Resp:	443525
Ion Ratio	Lower	Upper	
119	100		
91	63.6	31.6	94.7
134	24.7	13.4	40.1

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#84

1,2,4-Trimethylbenzene

Concen: 22.235 ug/l

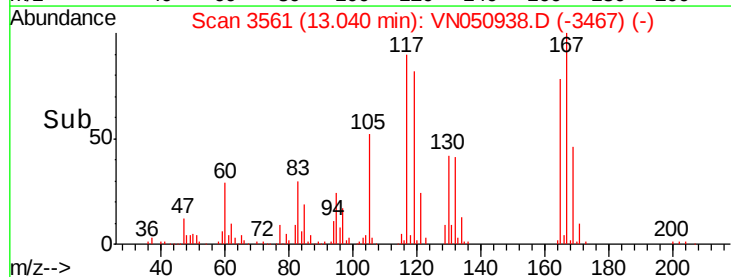
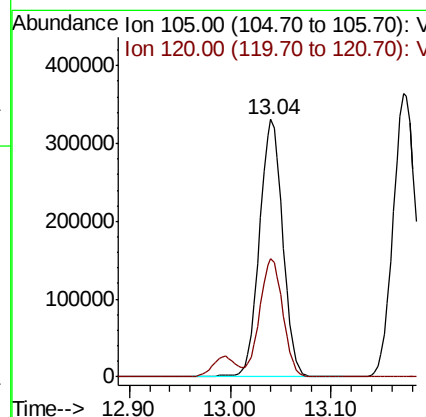
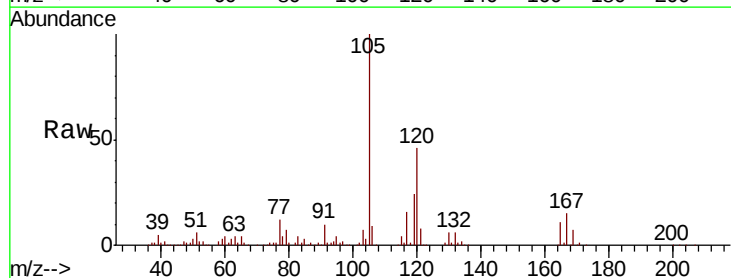
RT: 13.04 min Scan# 3561

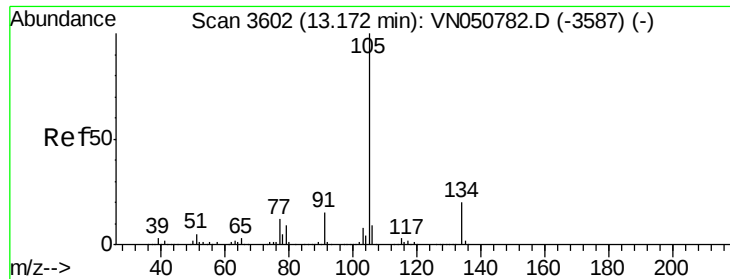
Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Tgt Ion:	105	Resp:	525205
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.9	68.8





#85

sec-Butylbenzene

Concen: 21.914 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion:105 Resp: 583958

Ion Ratio Lower Upper

105 100

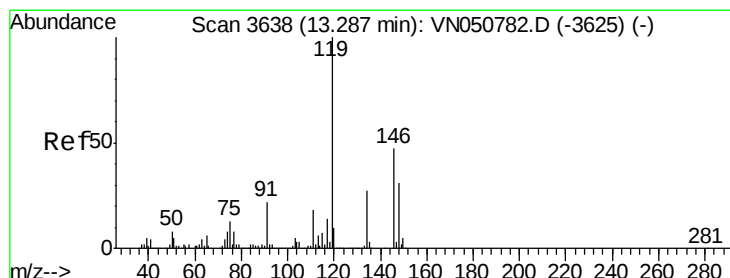
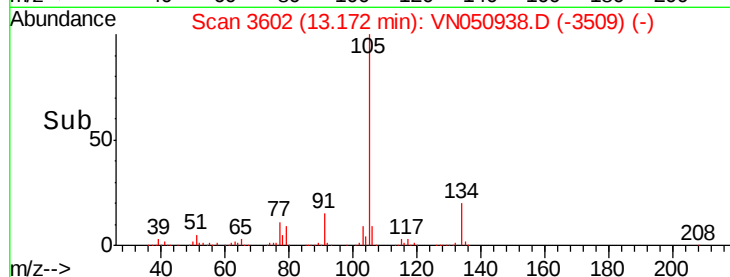
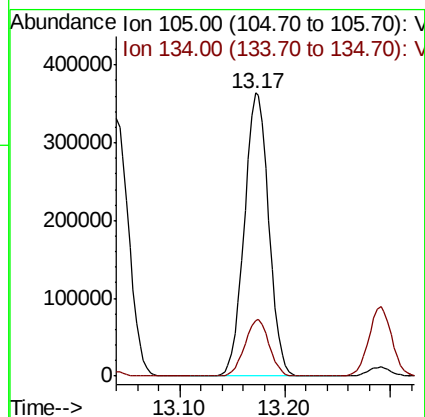
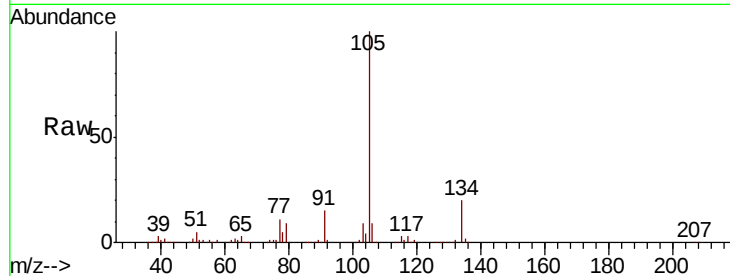
134 20.0 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.593 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

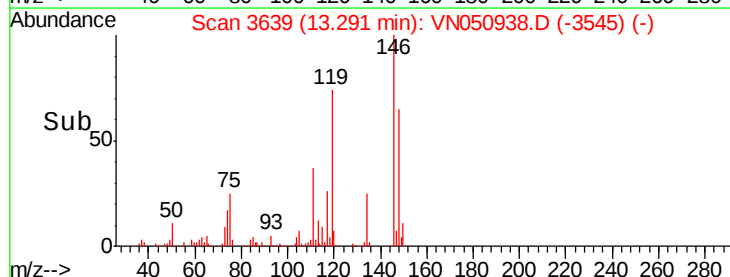
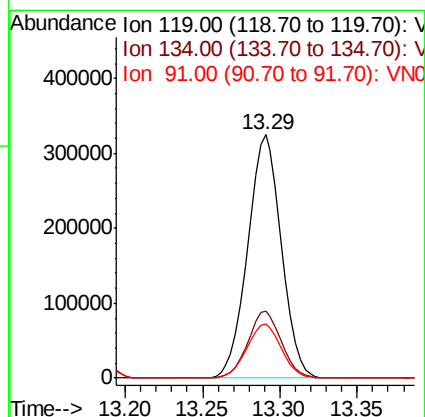
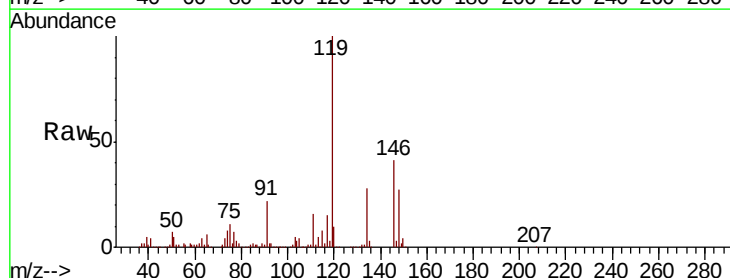
Tgt Ion:119 Resp: 490308

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 22.6 11.2 33.5





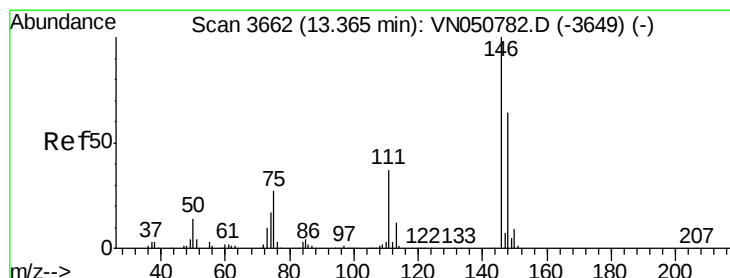
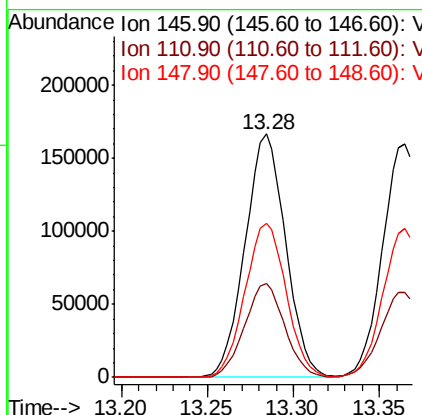
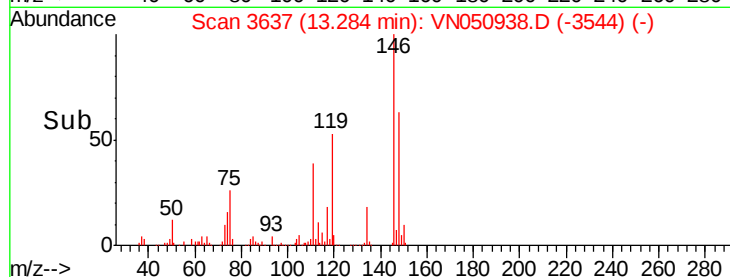
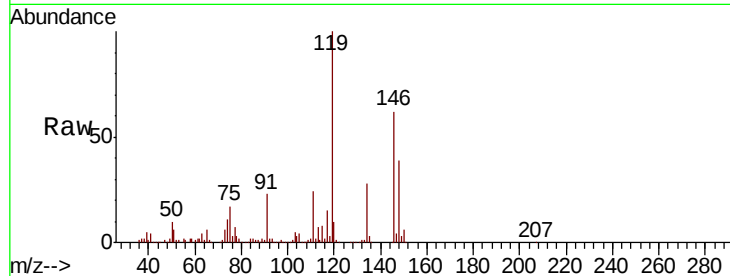
#87
 1,3-Dichlorobenzene
 Concen: 20.332 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	272888		
111	38.1	19.1	57.3	
148	64.2	32.2	96.6	

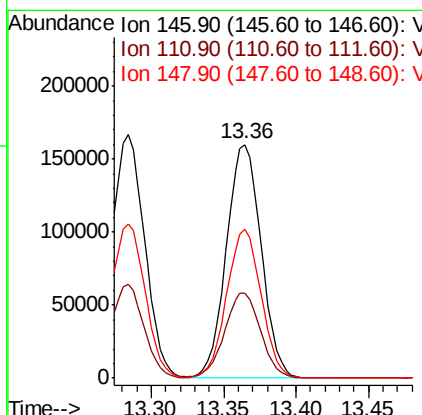
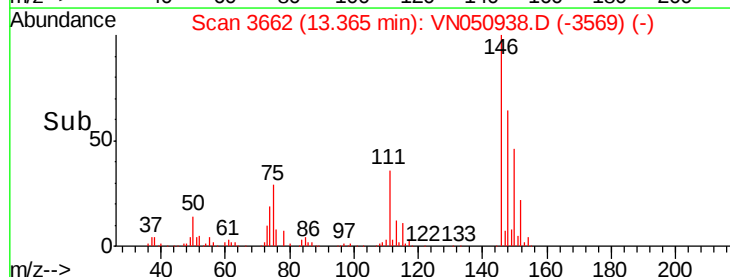
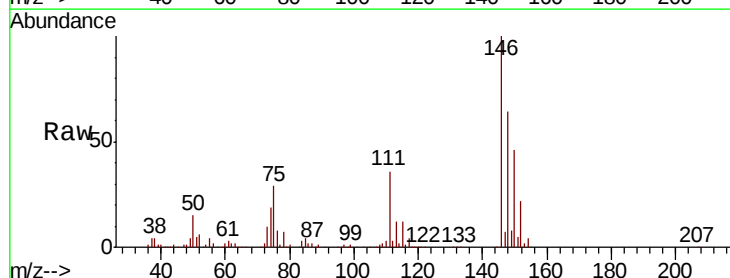
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#88
 1,4-Dichlorobenzene
 Concen: 20.154 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	266219		
111	37.4	18.8	56.3	
148	63.2	32.2	96.6	





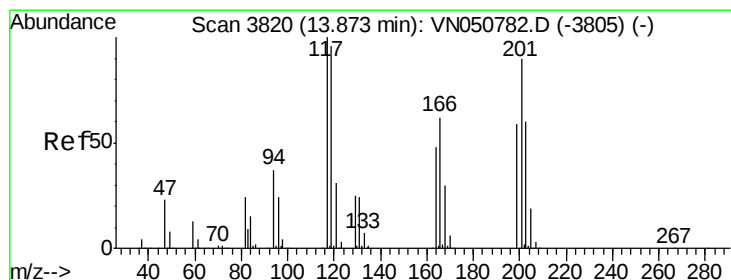
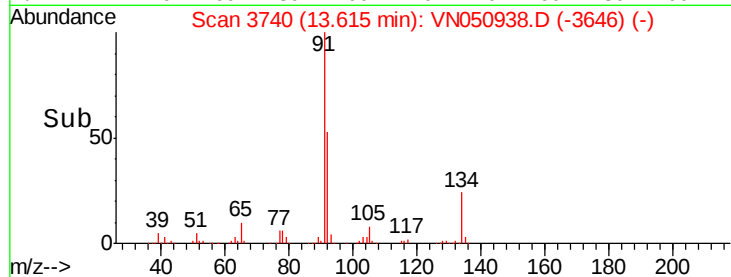
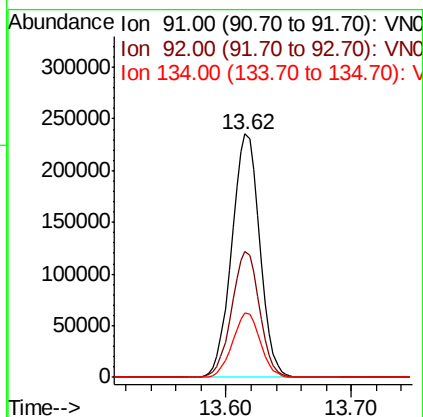
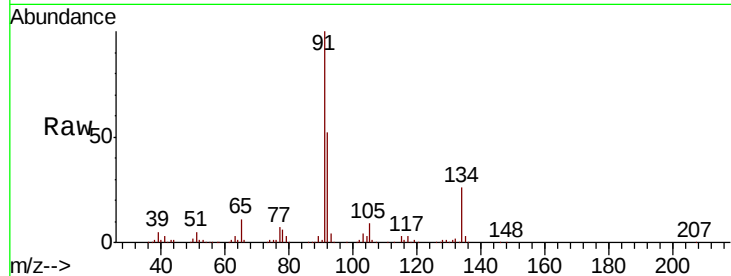
#89
n-Butylbenzene
Concen: 20.075 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	26.3	13.2	39.6

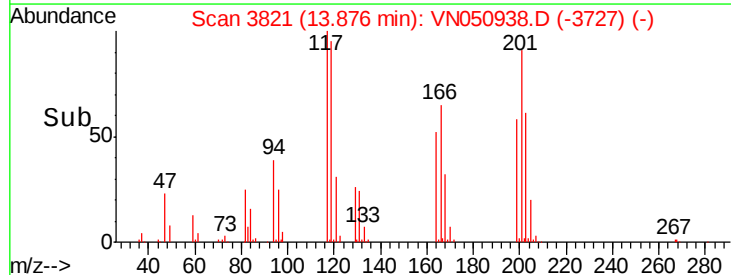
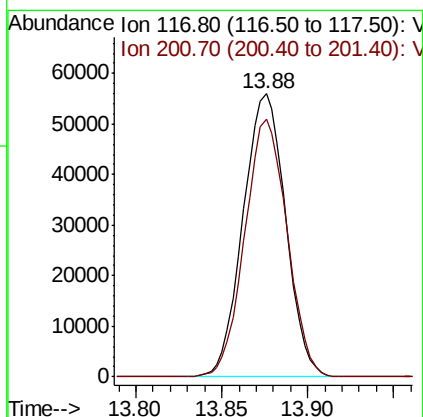
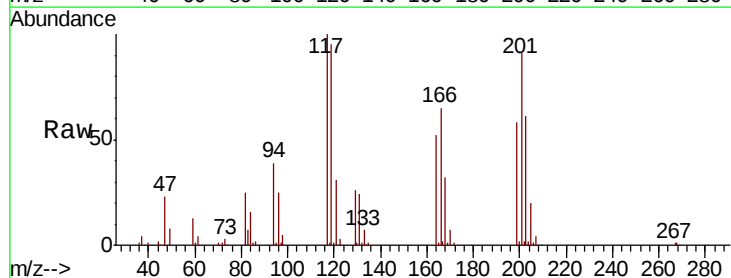
Manual Integrations
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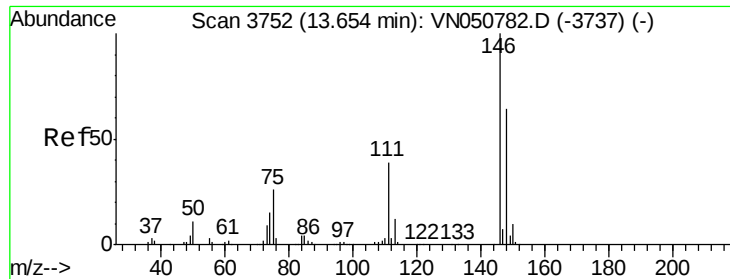
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#90
Hexachloroethane
Concen: 22.269 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050938.D
Acq: 29 Aug 2018 9:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	46.0	137.8





#91

1,2-Dichlorobenzene

Concen: 20.634 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 146 Resp: 267187
Ion Ratio Lower Upper

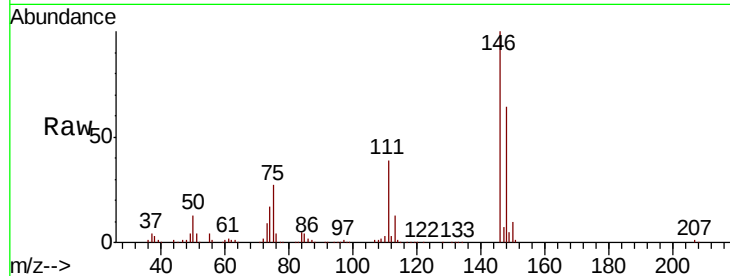
146 100

111 39.6 19.8 59.3

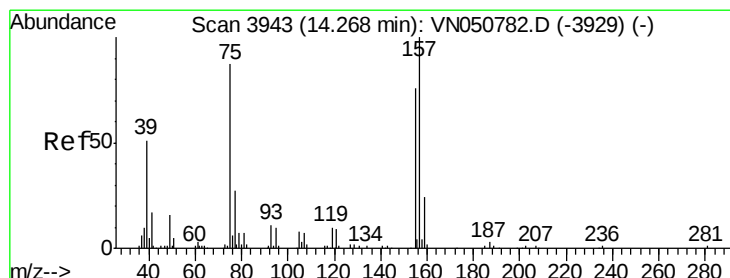
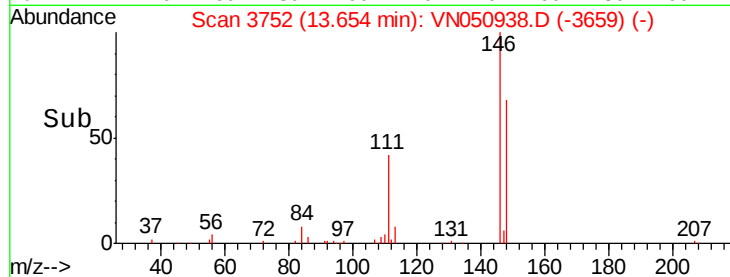
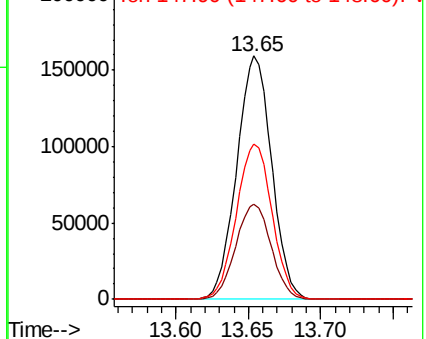
148 65.0 32.3 96.8

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.718 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050938.D

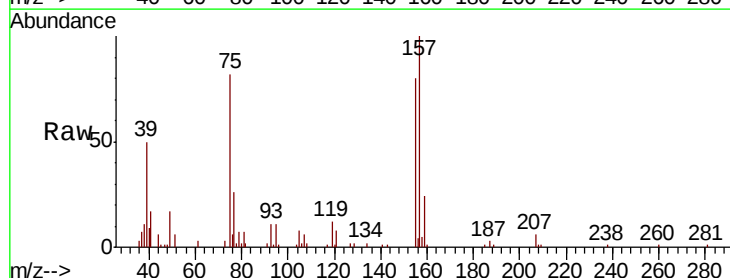
Acq: 29 Aug 2018 9:56

Tgt Ion: 75 Resp: 22698
Ion Ratio Lower Upper

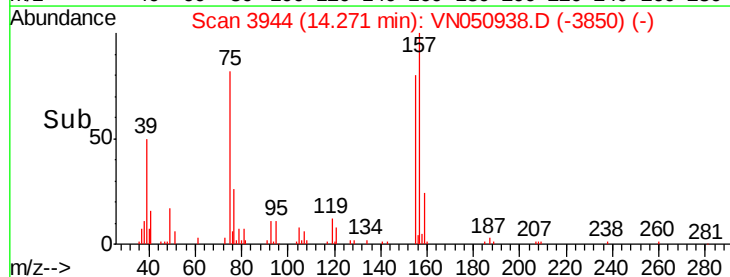
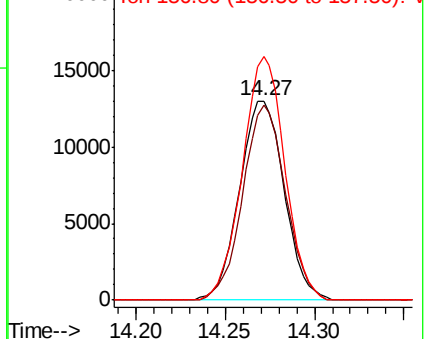
75 100

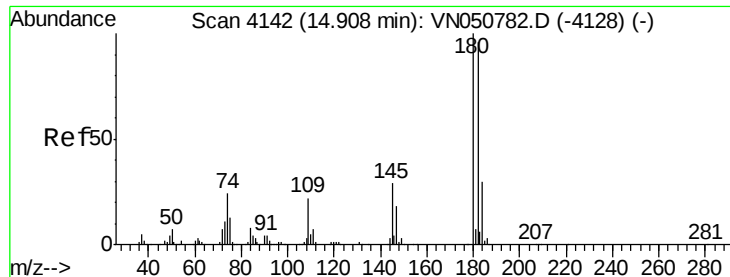
155 93.5 46.4 139.1

157 116.1 60.7 182.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





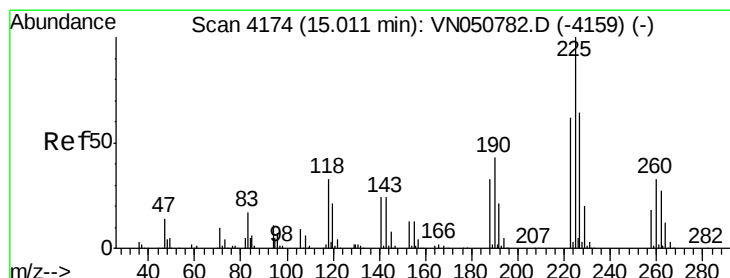
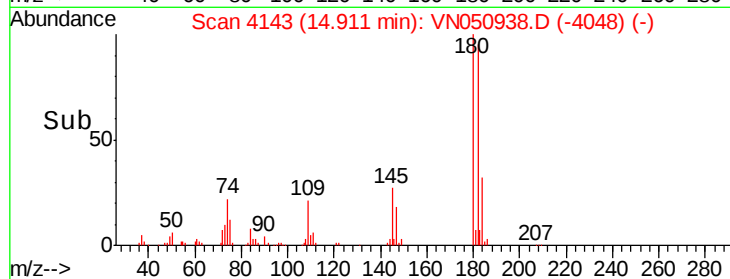
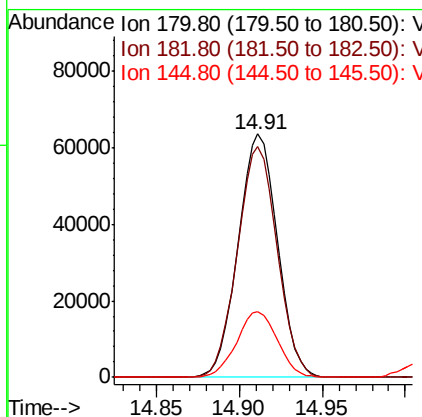
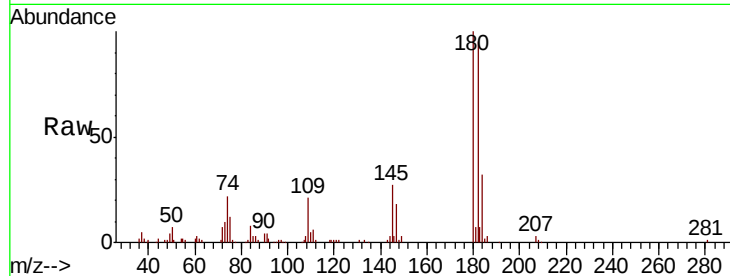
#93
 1,2,4-Trichlorobenzene
 Concen: 18.373 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBS01

Tot Ion:	180	Resp:	104821
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.2	144.6
145	28.0	14.1	42.2

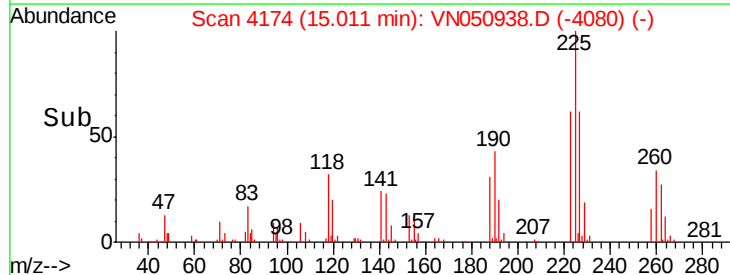
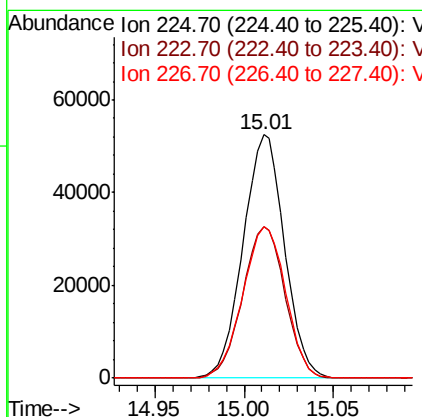
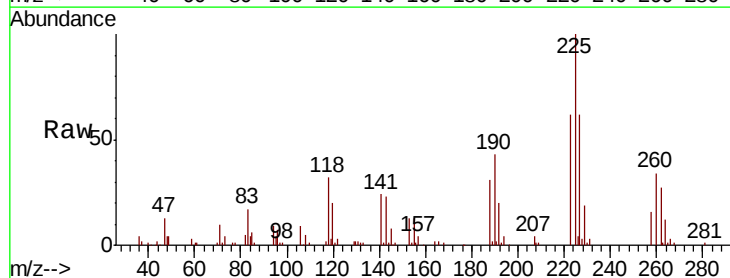
Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 11:07:32 AM



#94
 Hexachlorobutadiene
 Concen: 21.570 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050938.D
 Acq: 29 Aug 2018 9:56

Tgt Ion:	225	Resp:	85238
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.3	93.8
227	64.4	32.0	96.2





#95

Naphthalene

Concen: 18.197 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Instrument :

MSVOA_N

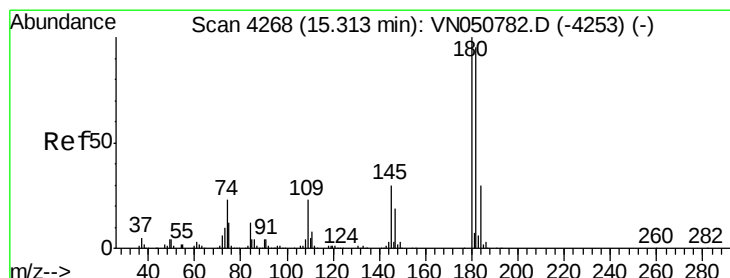
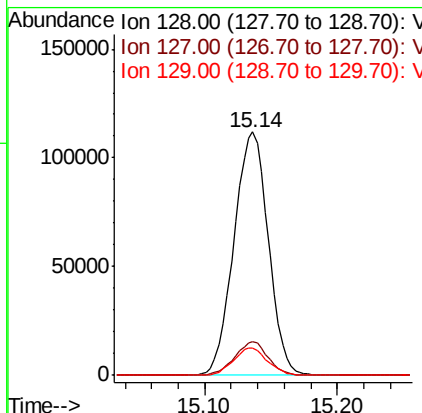
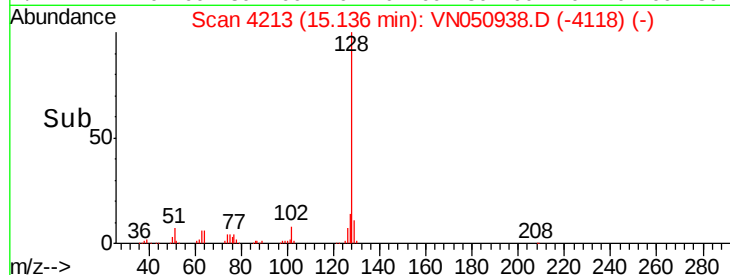
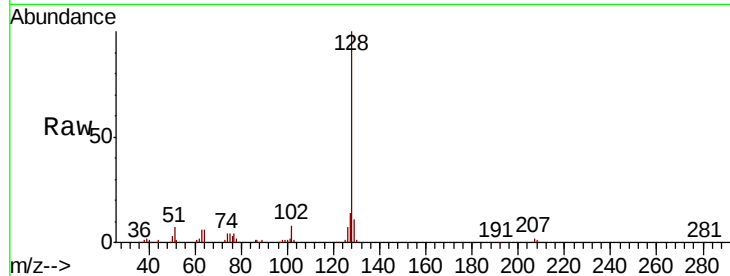
ClientSampleId :

VN0829WBS01

Tot Ion:	128	Resp:	201457
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/30/2018 11:07:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.504 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050938.D

Acq: 29 Aug 2018 9:56

Tgt Ion:	180	Resp:	109570
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.2
145	31.2	15.2	45.6

