

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050210.D
 Acq On : 31 Jul 2018 13:13
 Operator : MD\SY
 Sample : VN0731WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:14:08 AM

Quant Time: Jul 31 18:16:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	638225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	937194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426996	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	418388	46.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.98%	
35) Dibromofluoromethane	7.59	113	374317	48.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.84%	
50) Toluene-d8	10.09	98	1390956	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	454639	49.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	176599	19.258	ug/l	99
3) Chloromethane	2.06	50	167317	16.785	ug/l	98
4) Vinyl Chloride	2.18	62	179917	17.139	ug/l	99
5) Bromomethane	2.56	94	69549	11.151	ug/l	97
6) Chloroethane	2.70	64	107120	16.992	ug/l	95
7) Trichlorofluoromethane	3.01	101	246461	18.124	ug/l	99
8) Diethyl Ether	3.41	74	82810	18.266	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152403	18.637	ug/l	99
10) Methyl Iodide	3.95	142	69496	6.622	ug/l	98
11) Tert butyl alcohol	4.80	59	54413	83.049	ug/l	98
12) 1,1-Dichloroethene	3.73	96	130032	17.677	ug/l	94
13) Acrolein	3.61	56	13842	26.295	ug/l	95
14) Allyl chloride	4.32	41	208479	18.278	ug/l	99
15) Acrylonitrile	4.99	53	250097	87.492	ug/l	99
16) Acetone	3.82	43	208000	96.500	ug/l	98
17) Carbon Disulfide	4.05	76	366119	16.247	ug/l	100
18) Methyl Acetate	4.33	43	173897	20.349	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	368244	18.785	ug/l	99
20) Methylene Chloride	4.55	84	156014	18.982	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	139402	17.885	ug/l	100
22) Diisopropyl ether	5.95	45	447411	19.783	ug/l	96
23) Vinyl Acetate	5.90	43	1429254	89.426	ug/l	100
24) 1,1-Dichloroethane	5.85	63	273568	18.498	ug/l	99
25) 2-Butanone	6.84	43	304124	89.540	ug/l	100
26) 2,2-Dichloropropane	6.82	77	227216	20.196	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157767	18.803	ug/l	98
28) Bromochloromethane	7.19	49	122187	18.114	ug/l	99
29) Tetrahydrofuran	7.21	42	188545	85.906	ug/l	99
30) Chloroform	7.37	83	283283	18.771	ug/l	95
31) Cyclohexane	7.65	56	223881	18.210	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	236656	18.332	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202154	19.146	ug/l	99
37) Ethyl Acetate	6.93	43	130273	17.696	ug/l	98
38) Carbon Tetrachloride	7.77	117	211750	18.900	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203402	18.726	ug/l	97
40) Benzene	8.04	78	622336	19.369	ug/l	99
41) Methacrylonitrile	7.18	41	66746	19.200	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	202243	18.868	ug/l	99
43) Isopropyl Acetate	8.17	43	249638	17.248	ug/l	99
44) Trichloroethene	8.83	130	160659	18.609	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165822	19.485	ug/l	99
46) Dibromomethane	9.21	93	101335	19.177	ug/l	99
47) Bromodichloromethane	9.40	83	212012	19.010	ug/l	98
48) Methyl methacrylate	9.20	41	117722	18.568	ug/l	99
49) 1,4-Dioxane	9.20	88	33008	382.562	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	673651	93.086	ug/l	99
52) Toluene	10.16	92	380805	20.078	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	204003	19.384	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	236635	19.674	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	145534	19.346	ug/l	98
56) Ethyl methacrylate	10.43	69	168869	17.929	ug/l	99
57) 1,3-Dichloropropane	10.71	76	237885	19.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	356443	80.840	ug/l	100
59) 2-Hexanone	10.75	43	444553	87.042	ug/l	99
60) Dibromochloromethane	10.90	129	159467	19.146	ug/l	98
61) 1,2-Dibromoethane	11.01	107	137533	18.426	ug/l	98
64) Tetrachloroethene	10.63	164	154370	18.858	ug/l	99
65) Chlorobenzene	11.43	112	416571	19.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159634	19.318	ug/l	99
67) Ethyl Benzene	11.51	91	685833	19.852	ug/l	100
68) m/p-Xylenes	11.62	106	537749	41.152	ug/l	99
69) o-Xylene	11.95	106	249131	19.999	ug/l	99
70) Styrene	11.96	104	401564	18.714	ug/l	100
71) Bromoform	12.13	173	109413	18.202	ug/l #	99
73) Isopropylbenzene	12.25	105	683010	20.625	ug/l	100
74) N-amyl acetate	12.07	43	177157	17.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	179898	19.251	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	148265m	18.684	ug/l	
77) Bromobenzene	12.53	156	175413	19.112	ug/l	99
78) n-propylbenzene	12.59	91	782976	21.153	ug/l	100
79) 2-Chlorotoluene	12.67	91	471876	20.568	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	560579	21.520	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46815	18.712	ug/l	99
82) 4-Chlorotoluene	12.77	91	476966	20.994	ug/l	100
83) tert-Butylbenzene	12.99	119	477827	21.020	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	565773	21.549	ug/l	100
85) sec-Butylbenzene	13.17	105	646080	21.271	ug/l	100
86) p-Isopropyltoluene	13.29	119	545230	21.303	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	304547	19.573	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292044	19.257	ug/l	98
89) n-Butylbenzene	13.62	91	420414	19.976	ug/l	99
90) Hexachloroethane	13.88	117	108065	19.016	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	299659	19.266	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27096	17.842	ug/l	96

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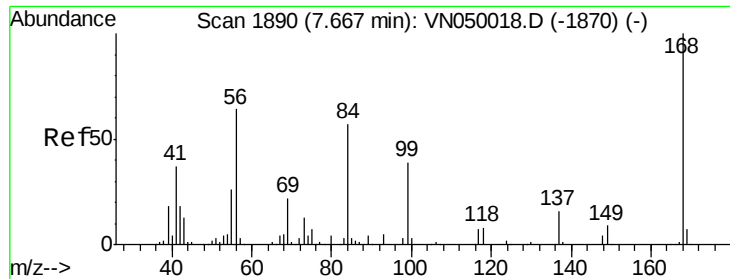
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	127204	17.556	ug/l	99
94) Hexachlorobutadiene	15.01	225	94666	19.882	ug/l	100
95) Naphthalene	15.14	128	244706	15.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	131418	17.842	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

Tot Ion:168 Resp: 638225

Ion Ratio Lower Upper

168 100

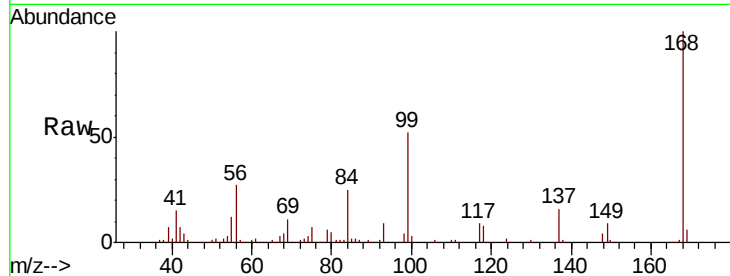
99 51.5 40.0 60.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

150000

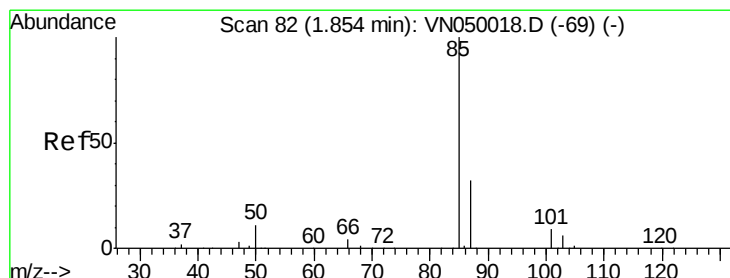
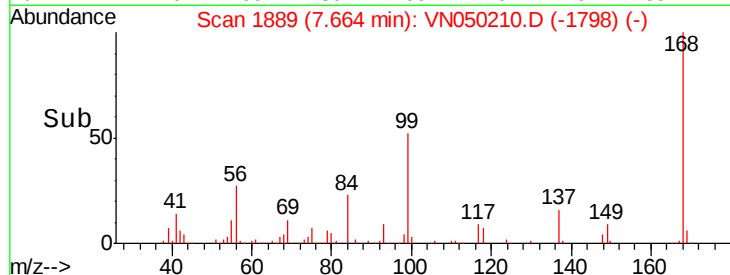
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.258 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050210.D

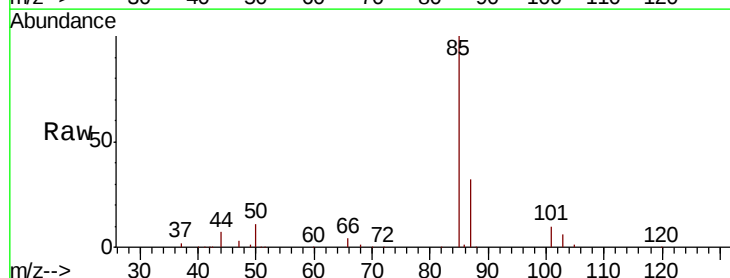
Acq: 31 Jul 2018 13:13

Tgt Ion: 85 Resp: 176599

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

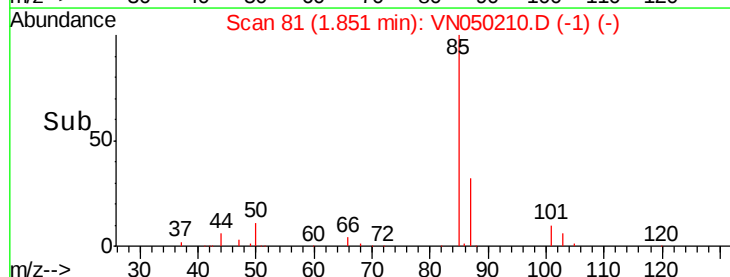
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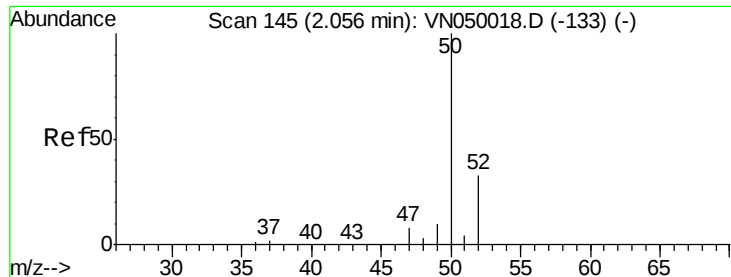
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 16.785 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

Tot Ion: 50 Resp: 167317

Ion Ratio Lower Upper

50 100

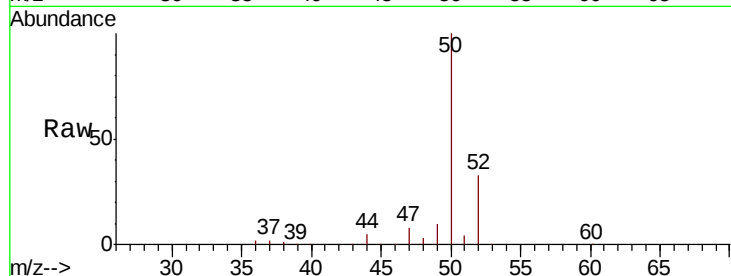
52 33.5 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

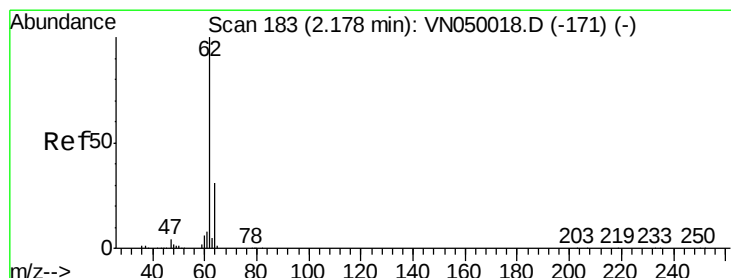
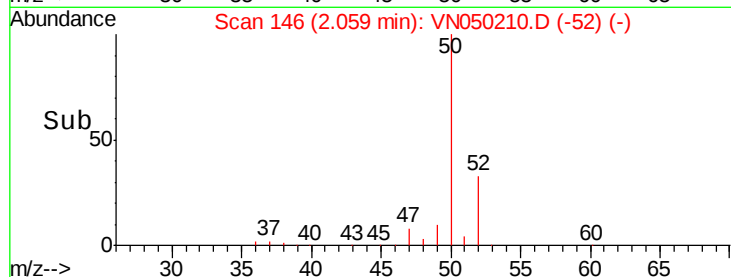
2.06

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.139 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050210.D

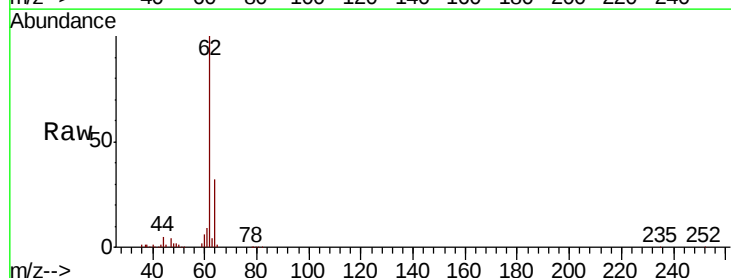
Acq: 31 Jul 2018 13:13

Tgt Ion: 62 Resp: 179917

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

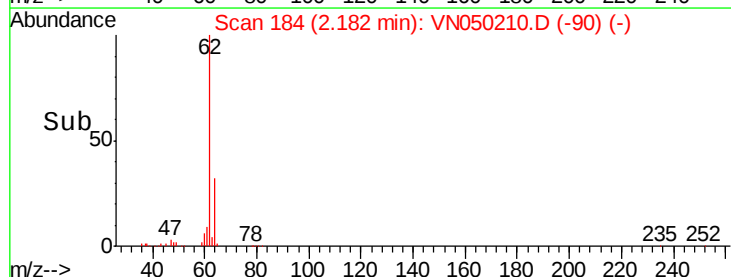
2.18

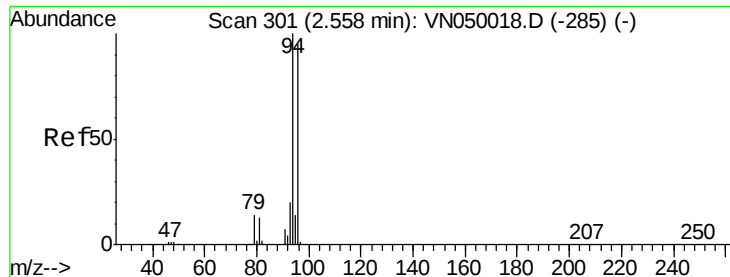
100000

50000

0

Time-->





#5

Bromomethane

Concen: 11.151 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 94 Resp: 69549

Ion Ratio Lower Upper

94 100

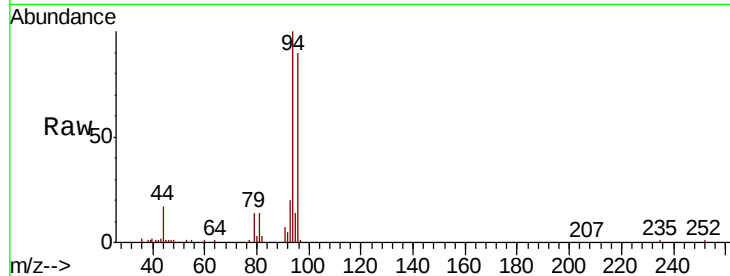
96 90.5 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

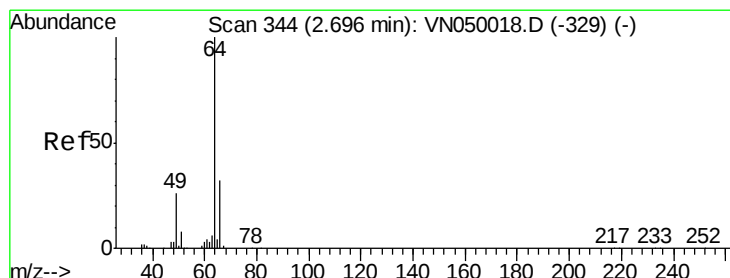
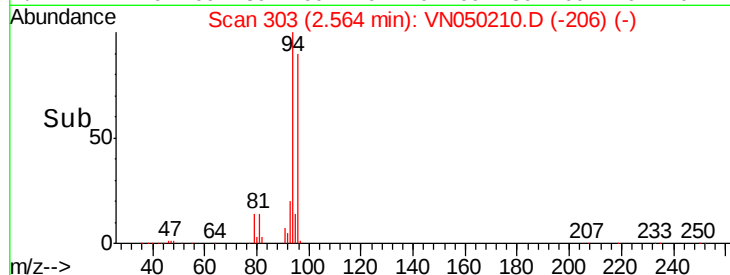
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 16.992 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050210.D

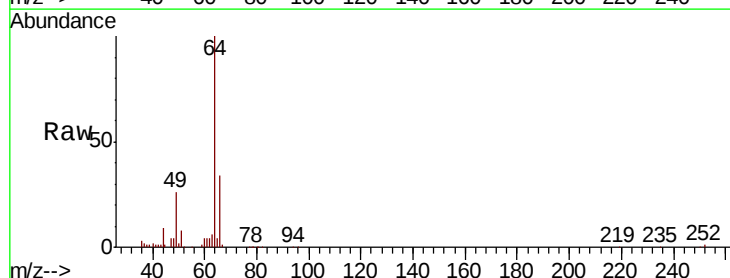
Acq: 31 Jul 2018 13:13

Tgt Ion: 64 Resp: 107120

Ion Ratio Lower Upper

64 100

66 34.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

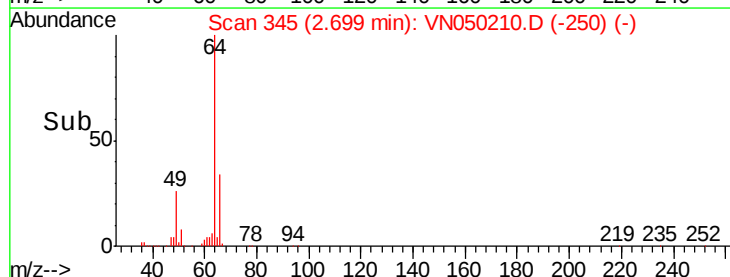
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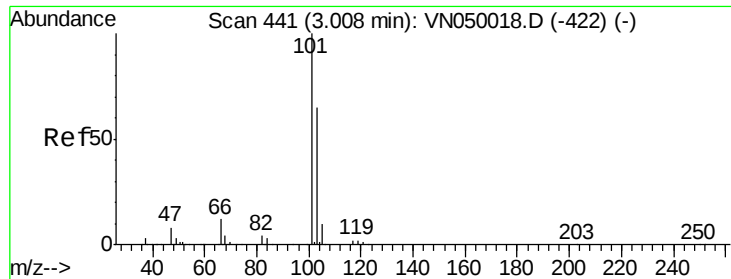
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Time-->

2.60 2.70 2.80





#7

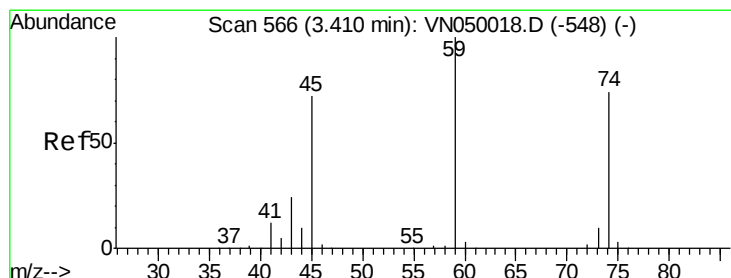
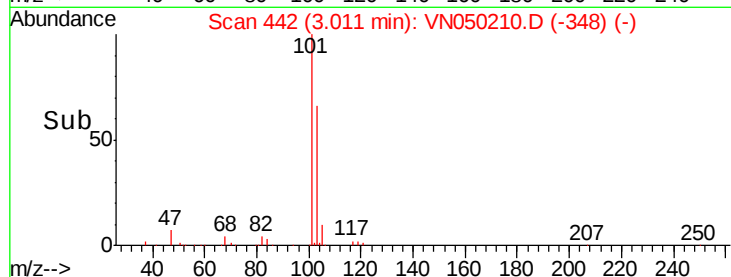
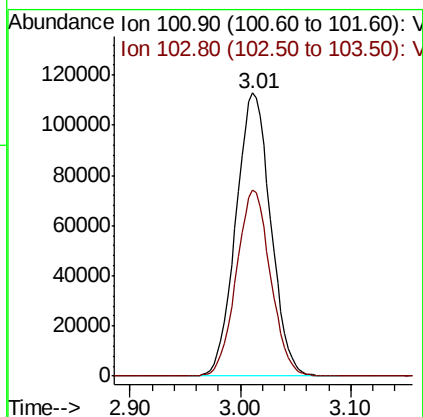
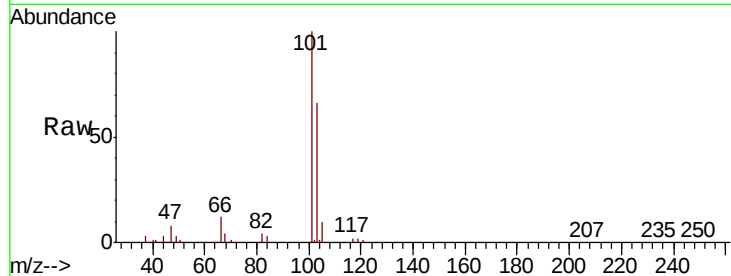
Trichlorofluoromethane
Concen: 18.124 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.7	77.5

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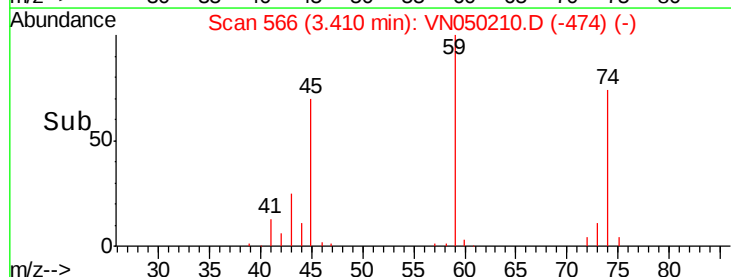
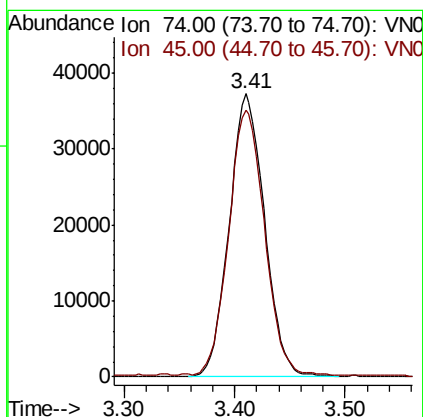
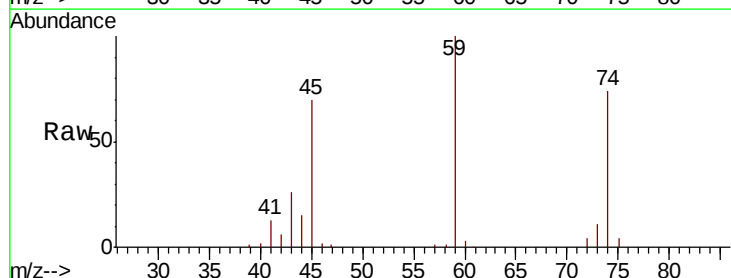
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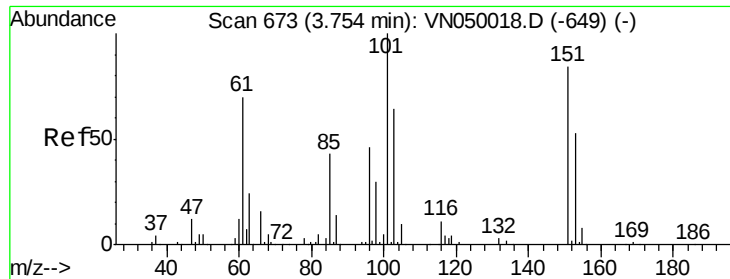


#8

Diethyl Ether
Concen: 18.266 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.637 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

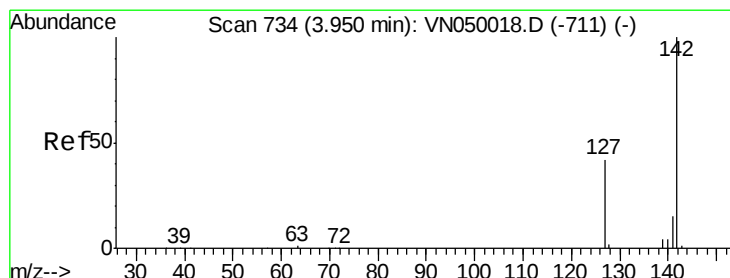
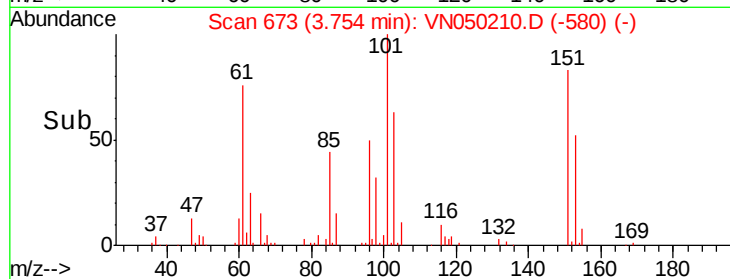
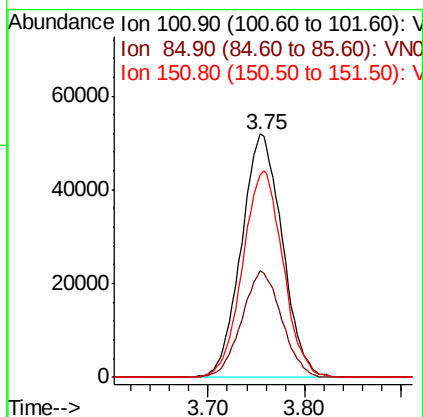
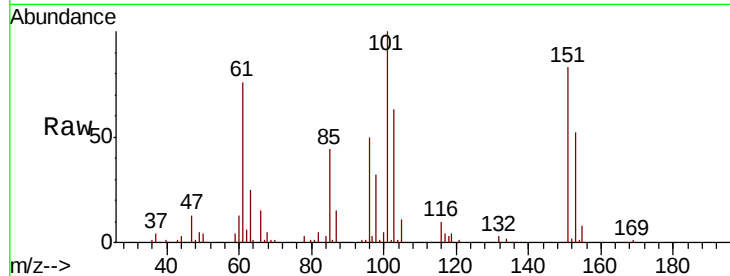
ClientSampleId :

VN0731WBS02

Tot Ion:	101	Resp:	152403
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	83.6	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 6.622 ug/l

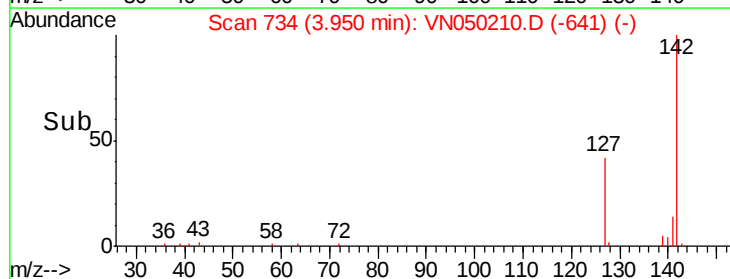
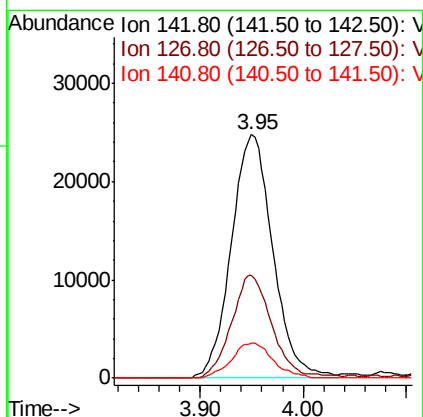
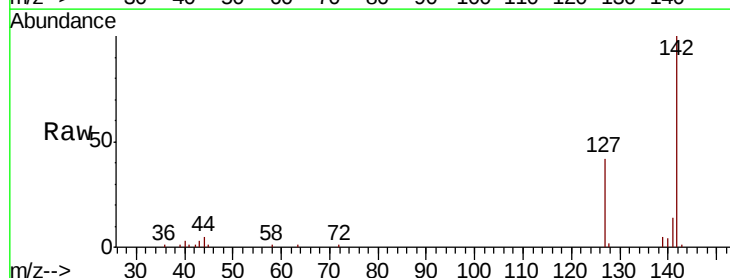
RT: 3.95 min Scan# 734

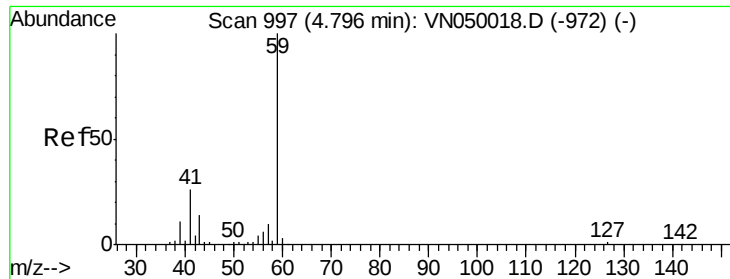
Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion:	142	Resp:	69496
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.4	50.2
141	14.4	11.6	17.4





#11

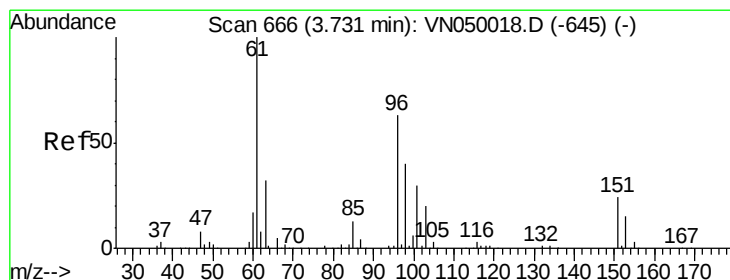
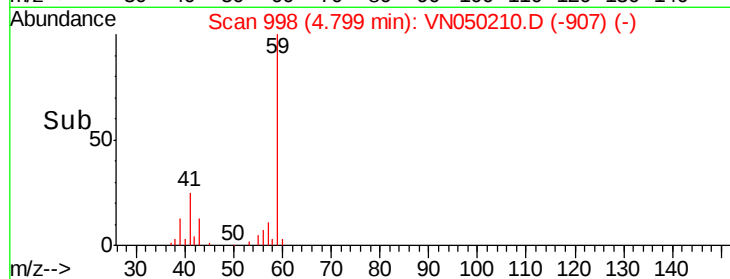
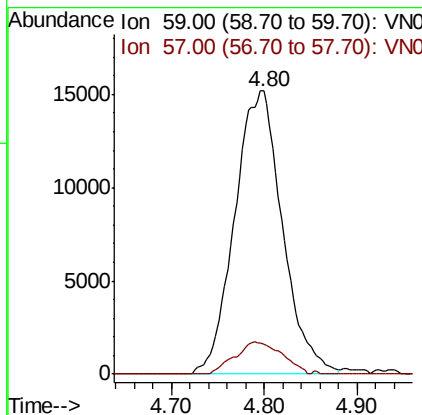
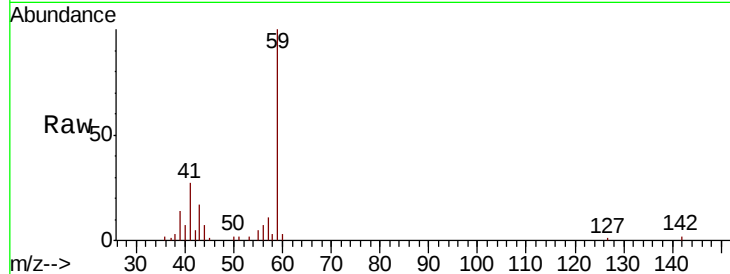
Tert butyl alcohol
Concen: 83.049 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.5	12.7

Manual Integrations
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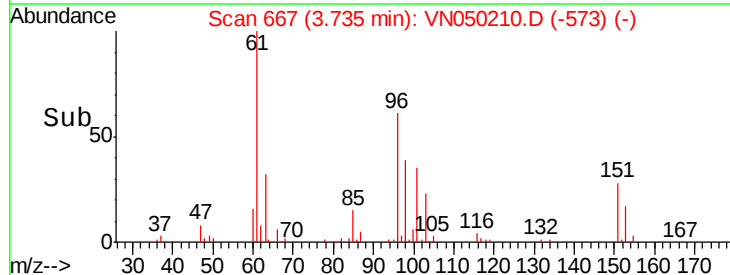
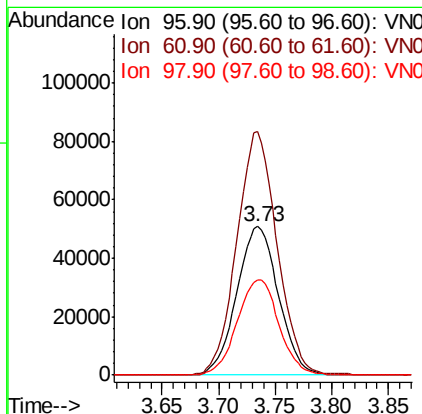
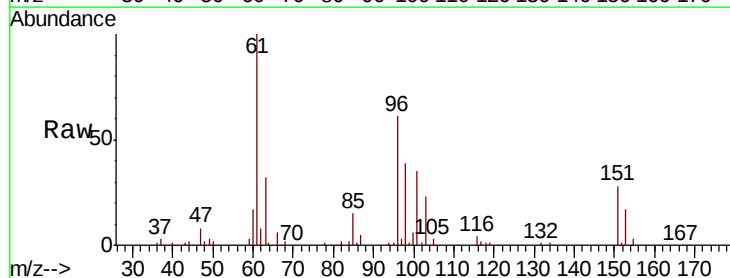
MMDadoda
8/1/2018 11:14:08 AM

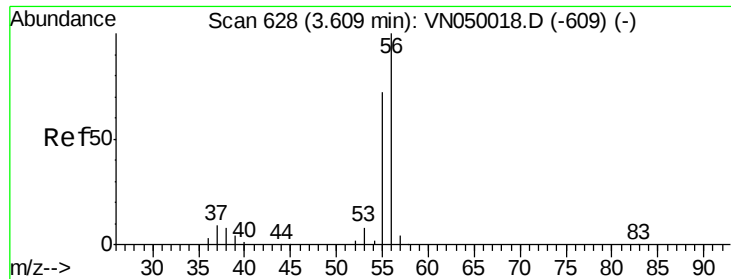


#12

1,1-Dichloroethene
Concen: 17.677 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	124.4	186.6
98	64.2	48.3	72.5





#13

Acrolein

Concen: 26.295 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 56 Resp: 13842

Ion Ratio Lower Upper

56 100

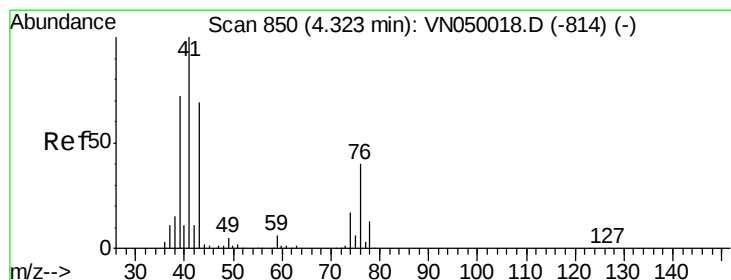
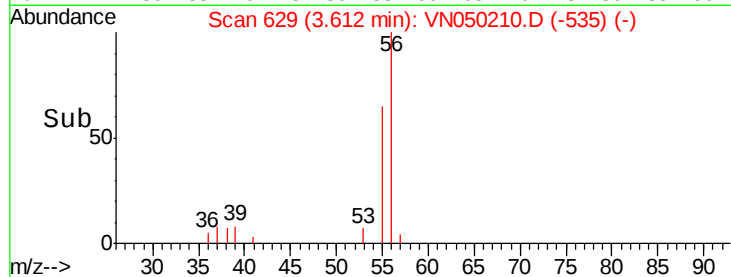
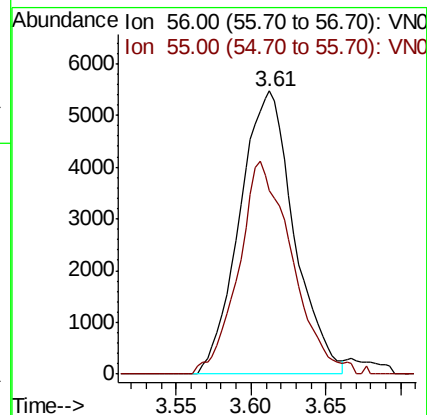
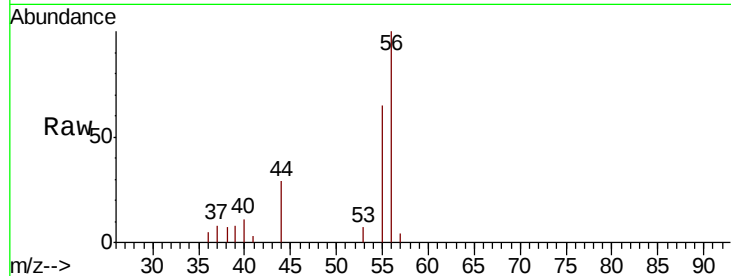
55 73.6 55.8 83.6

Manual Integrations

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8/1/2018 11:14:08 AM



#14

Allyl chloride

Concen: 18.278 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

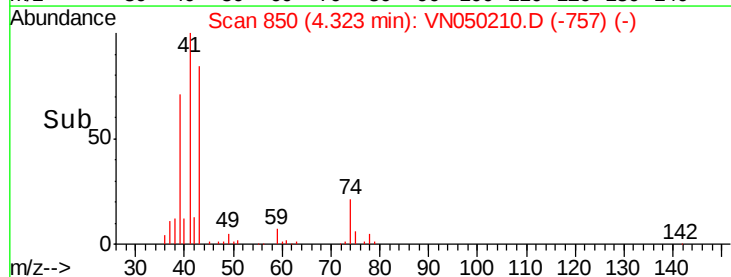
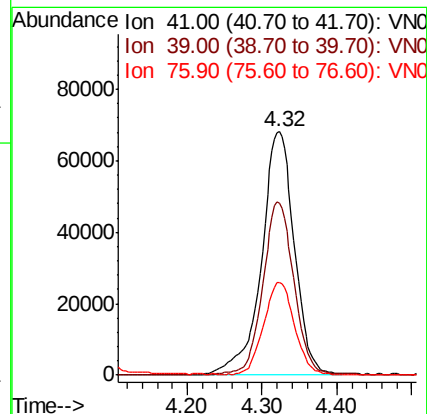
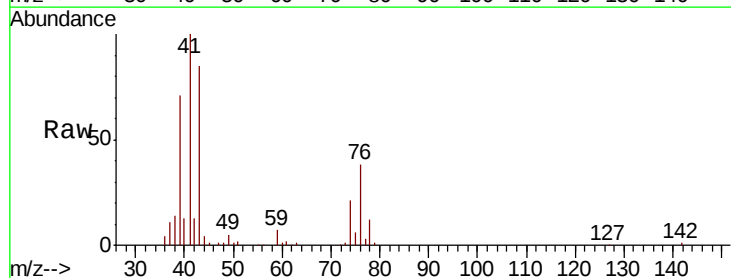
Tgt Ion: 41 Resp: 208479

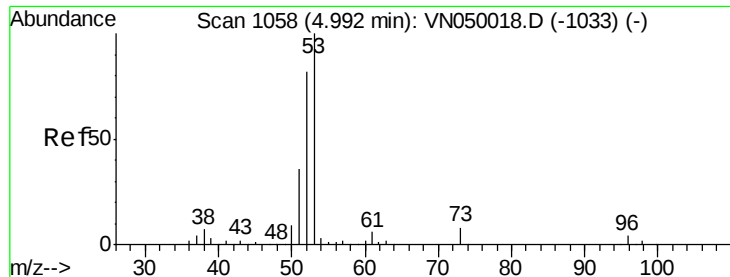
Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

76 35.2 29.0 43.6





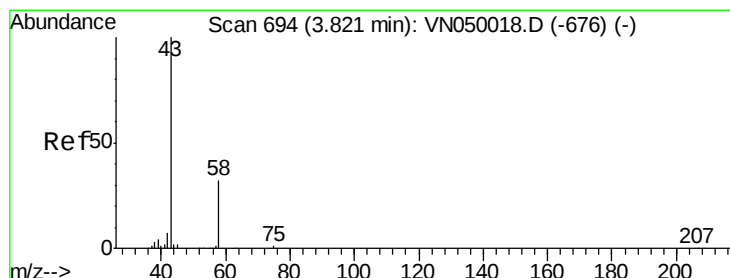
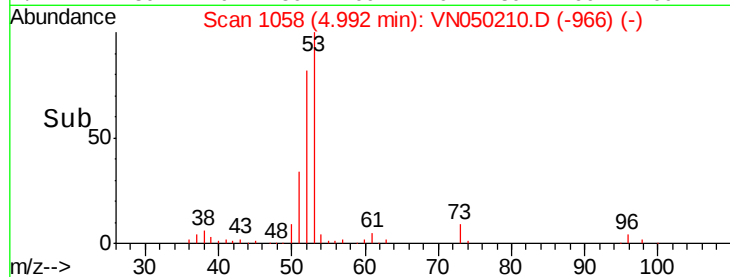
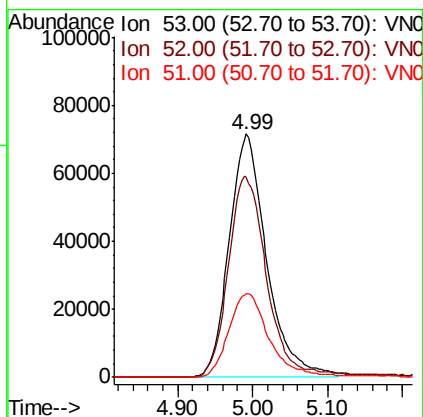
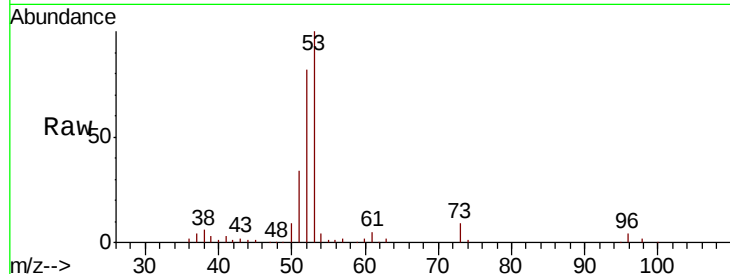
#15
 Acrylonitrile
 Concen: 87.492 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS02

Tot Ion:	53	Resp:	250097
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.2
51	36.9	29.3	43.9

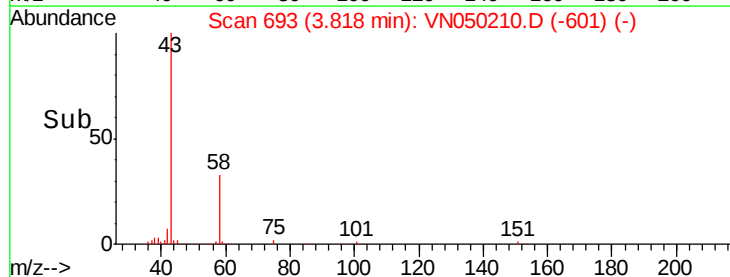
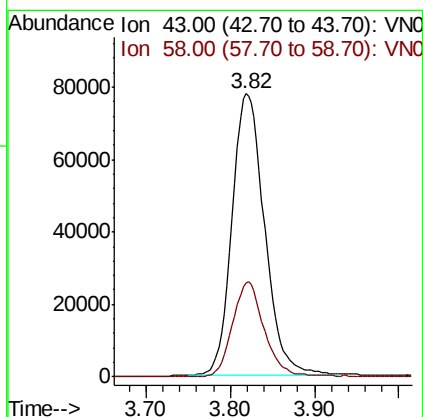
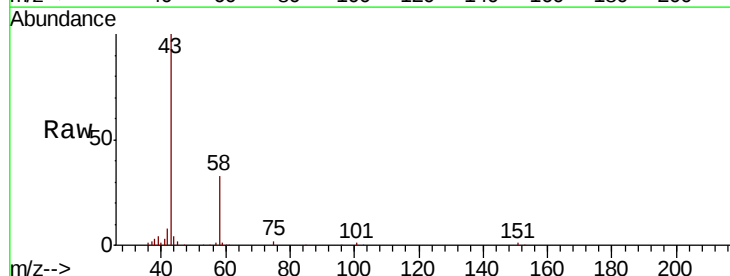
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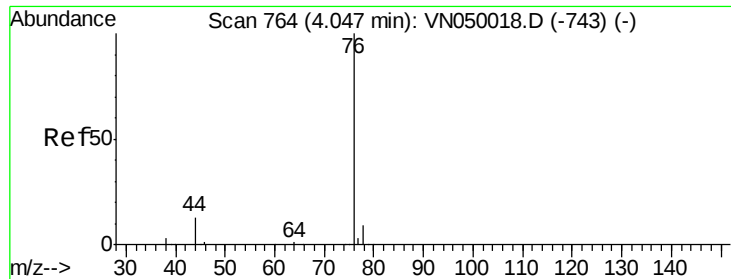
MMDadoda
 8/1/2018 11:14:08 AM



#16
 Acetone
 Concen: 96.500 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion:	43	Resp:	208000
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.8	38.8





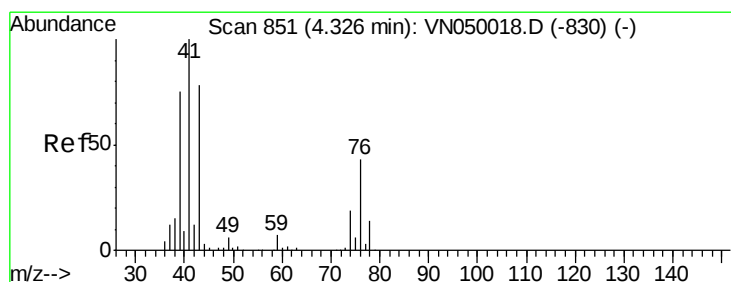
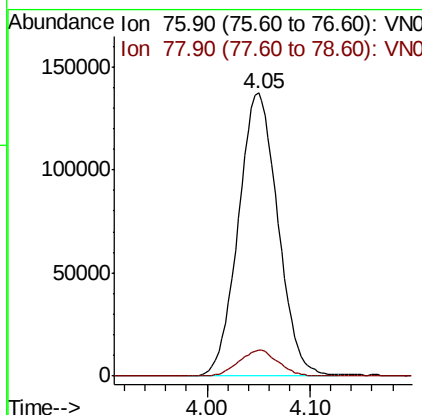
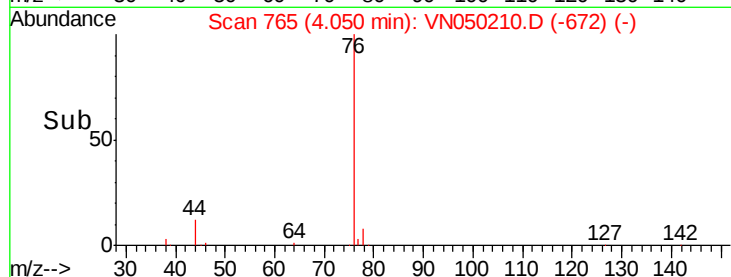
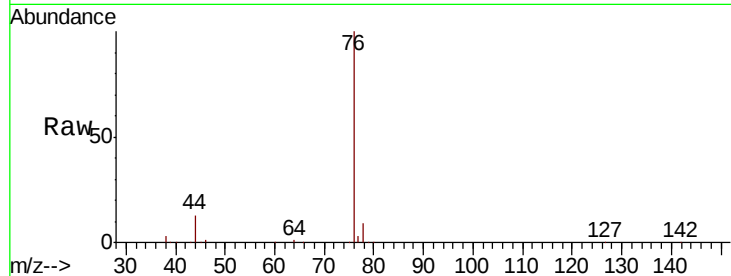
#17
Carbon Disulfide
Concen: 16.247 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

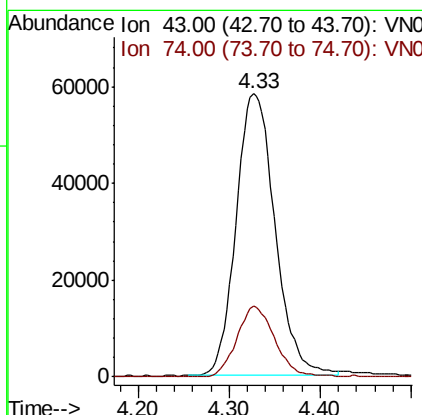
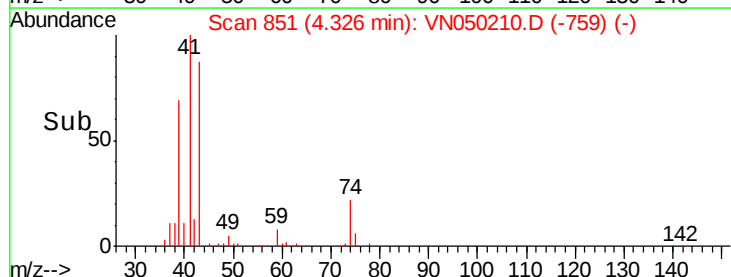
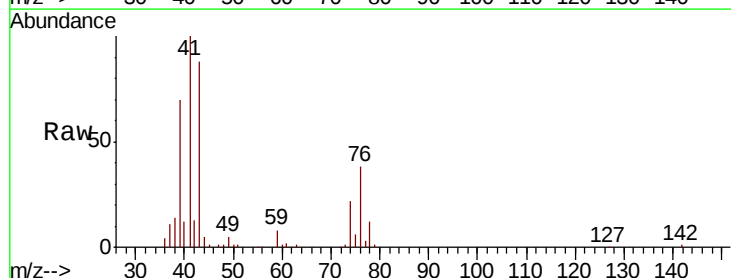
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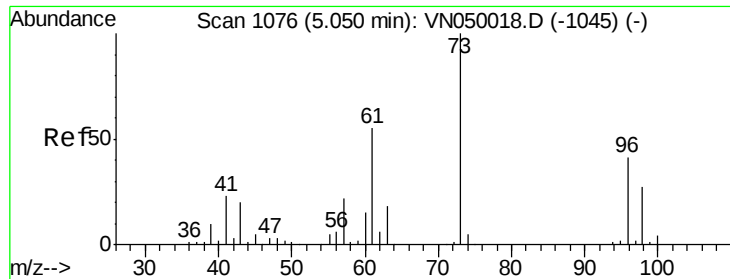
MMDadoda
8/1/2018 11:14:08 AM



#18
Methyl Acetate
Concen: 20.349 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





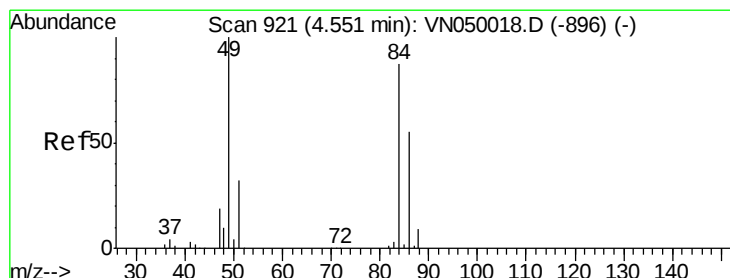
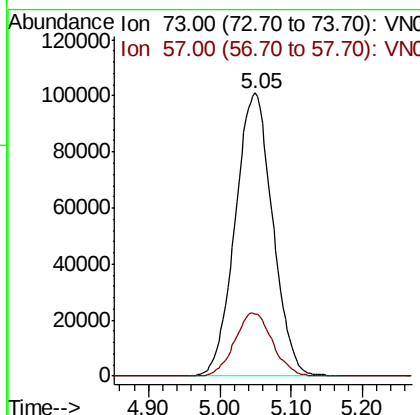
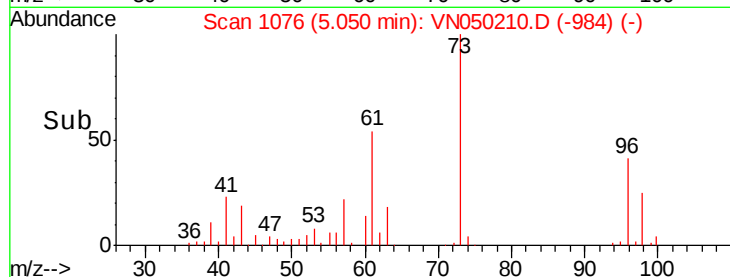
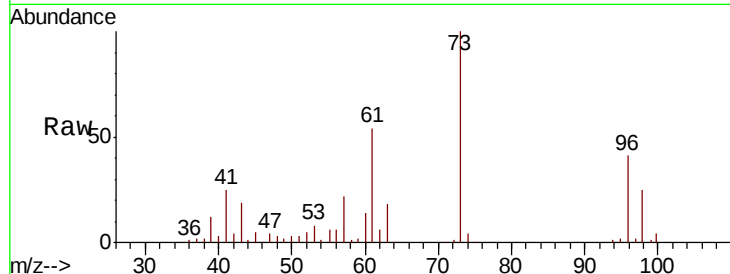
#19
Methvl tert-butvl Ether
Concen: 18.785 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion: 73 Resp: 368244
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

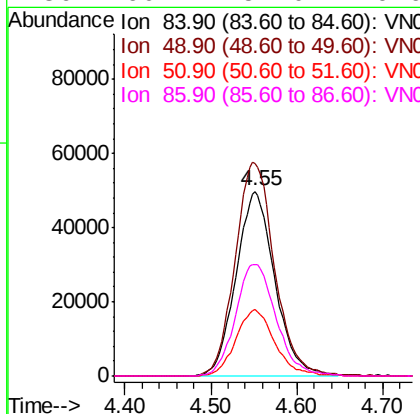
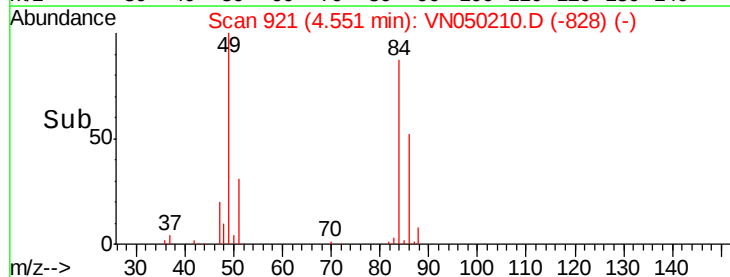
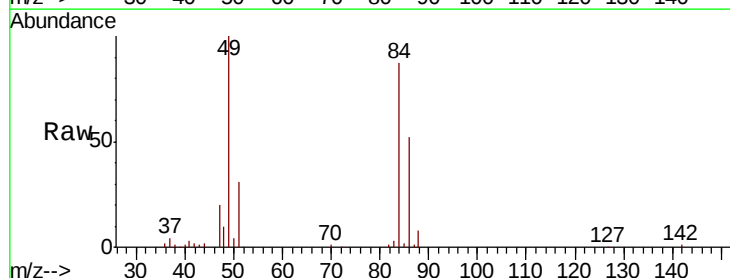
Manual Integrations
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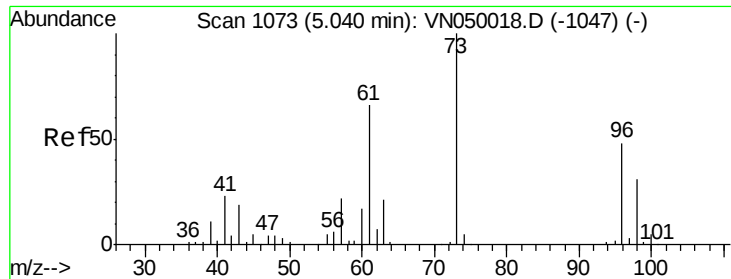
MMDadoda
8/1/2018 11:14:08 AM



#20
Methylene Chloride
Concen: 18.982 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 84 Resp: 156014
Ion Ratio Lower Upper
84 100
49 115.1 94.8 142.2
51 35.9 28.3 42.5
86 60.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.885 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 96 Resp: 139402

Ion Ratio Lower Upper

96 100

61 138.6 110.7 166.1

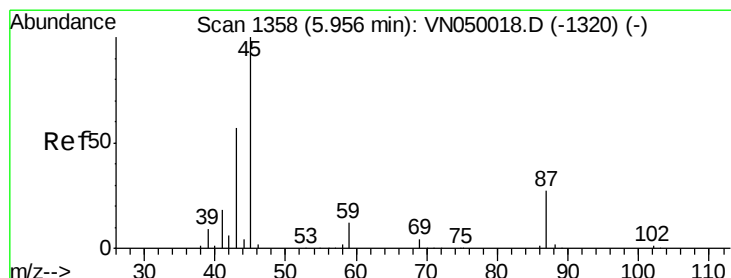
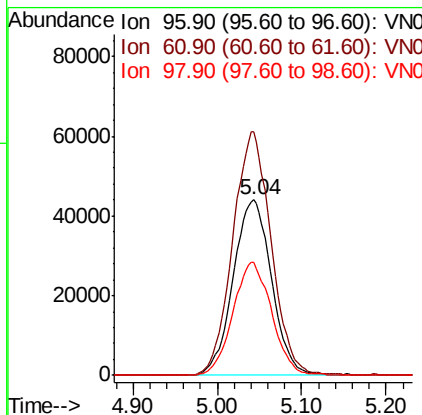
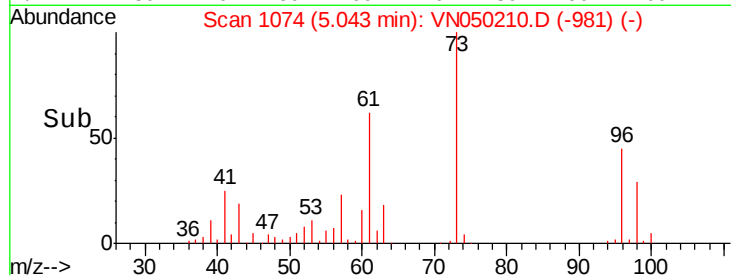
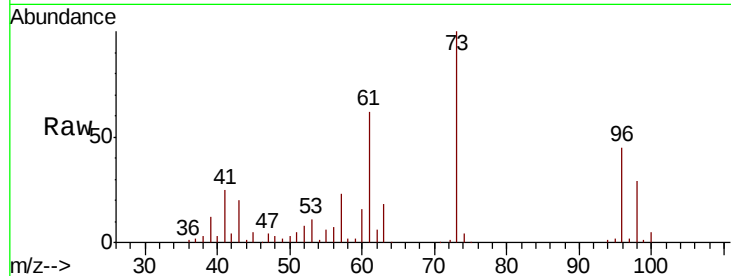
98 64.2 51.6 77.4

Manual Integrations

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MMDadoda

8/1/2018 11:14:08 AM



#22

Diisopropyl ether

Concen: 19.783 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion: 45 Resp: 447411

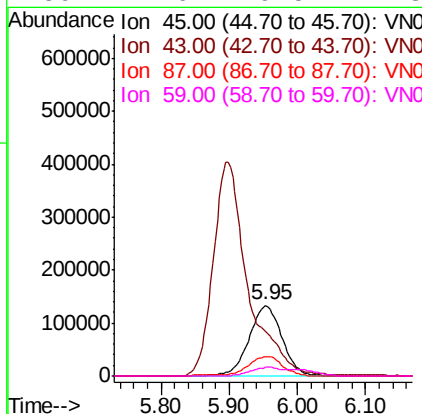
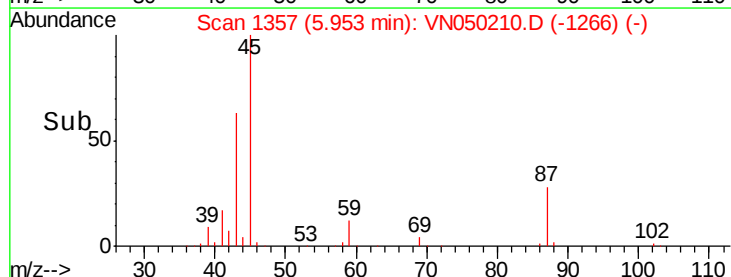
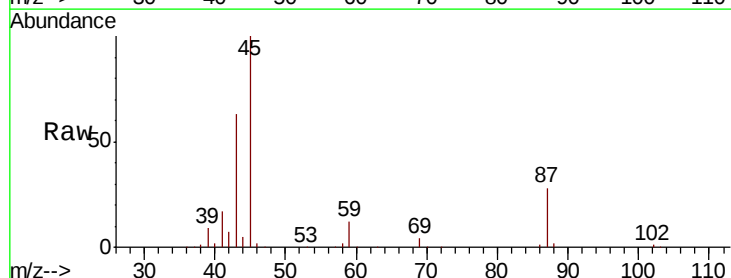
Ion Ratio Lower Upper

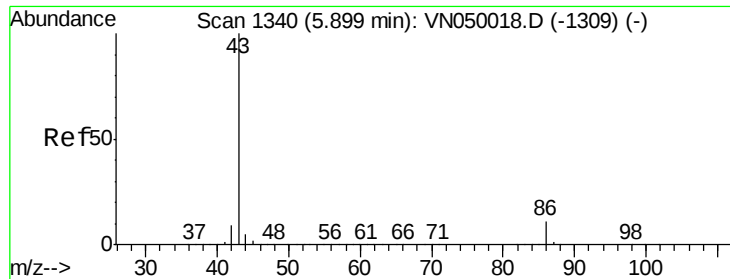
45 100

43 61.5 45.7 68.5

87 27.4 22.7 34.1

59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 89.426 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 43 Resp: 1429254

Ion Ratio Lower Upper

43 100

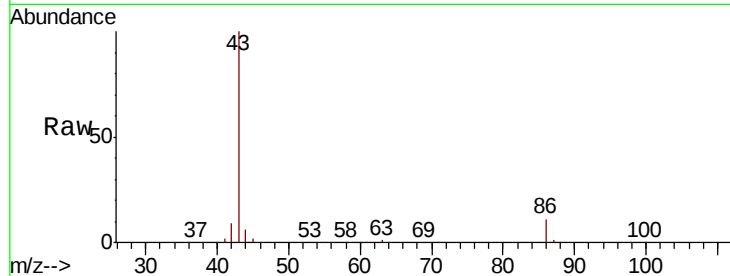
86 10.7 8.6 13.0

Manual Integrations

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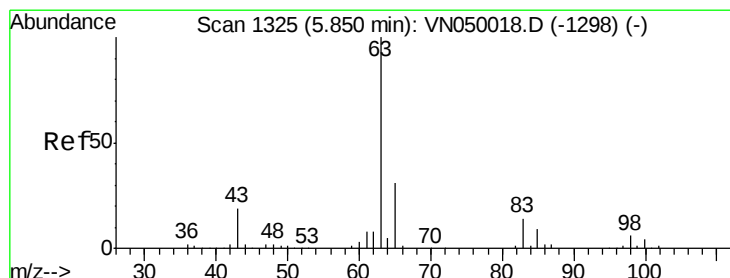
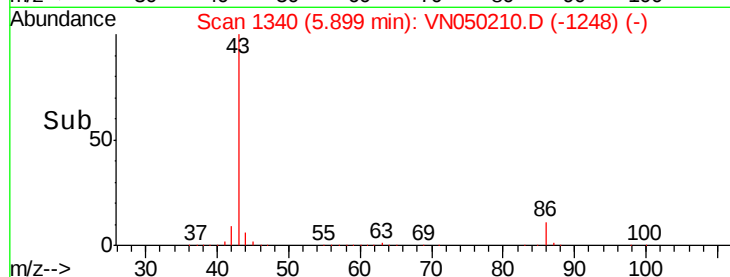
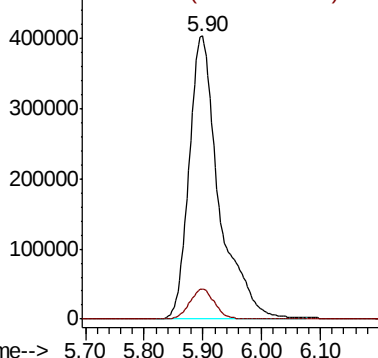
MMDadoda

8/1/2018 11:14:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.498 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

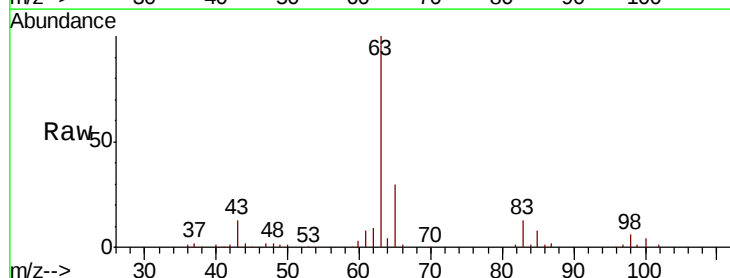
Tgt Ion: 63 Resp: 273568

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

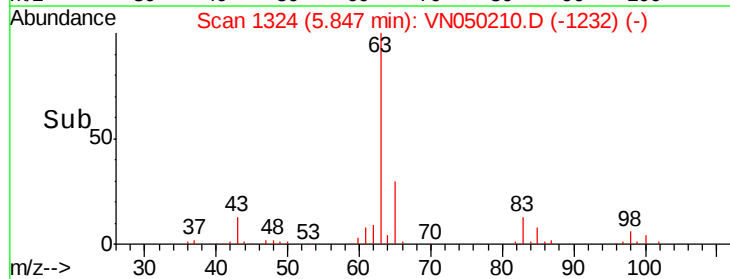
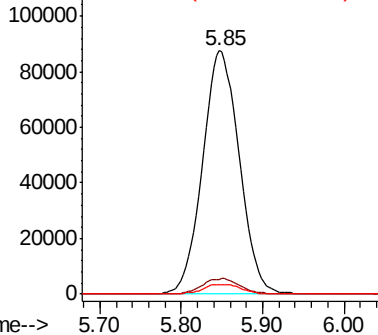
100 3.9 2.1 6.3

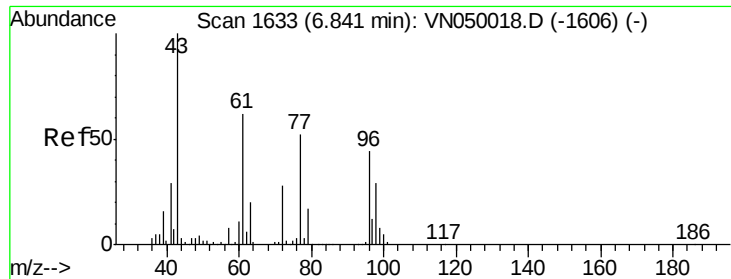


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





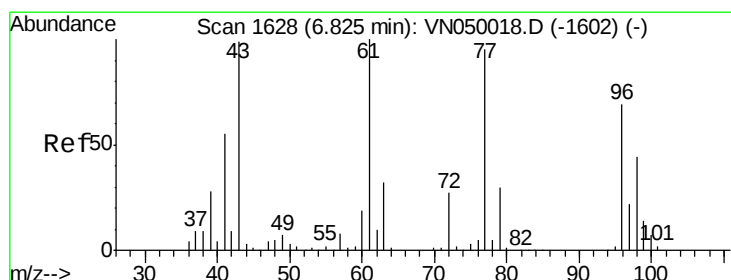
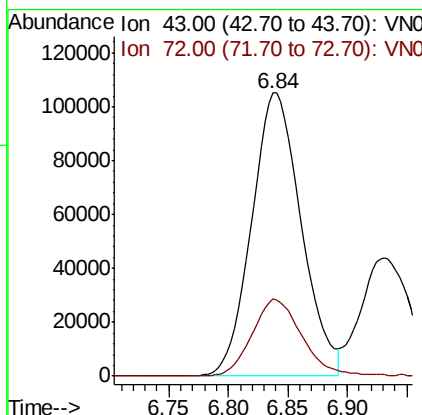
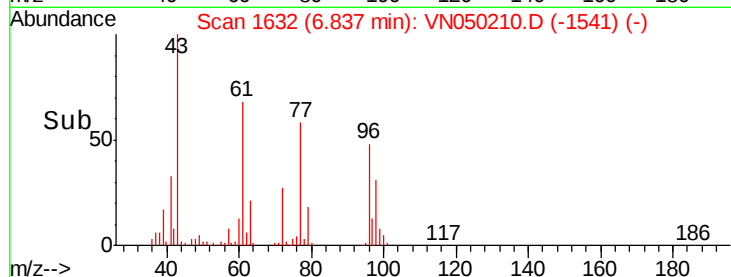
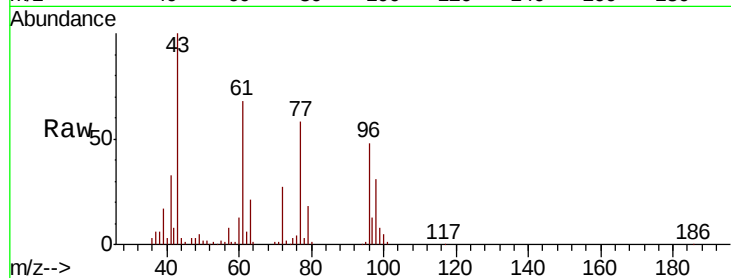
#25
2-Butanone
Concen: 89.540 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

Tot Ion: 43 Resp: 304124
Ion Ratio Lower Upper
43 100
72 27.2 21.5 32.3

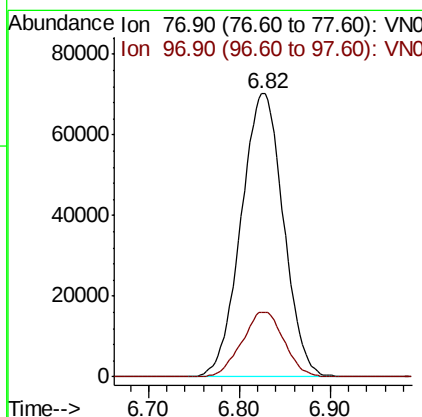
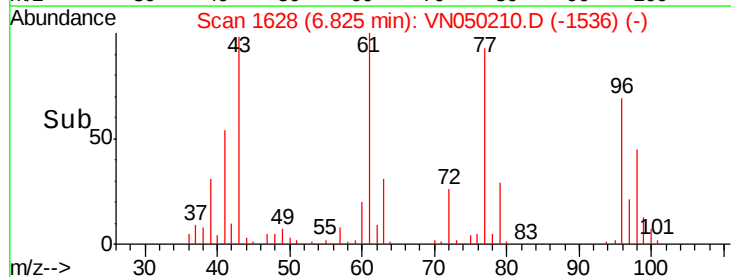
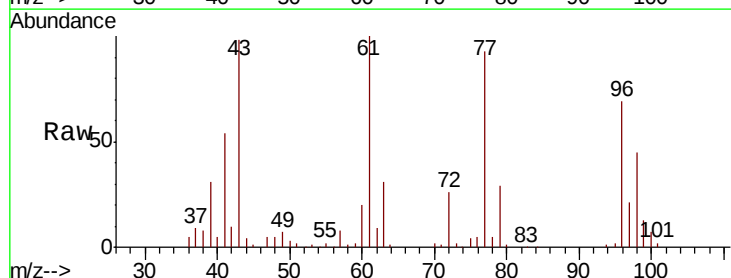
Manual Integrations
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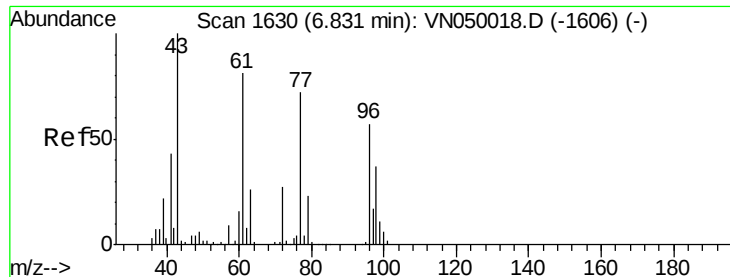
MMDadoda
8/1/2018 11:14:08 AM



#26
2,2-Dichloropropane
Concen: 20.196 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 77 Resp: 227216
Ion Ratio Lower Upper
77 100
97 22.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.803 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

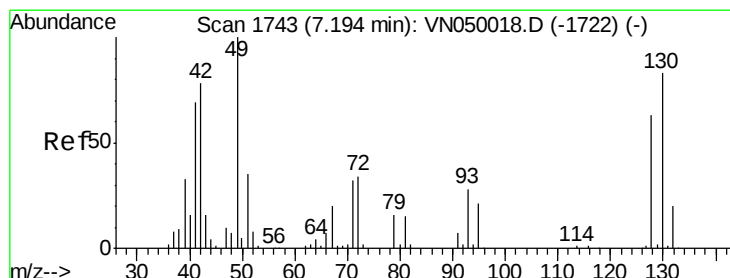
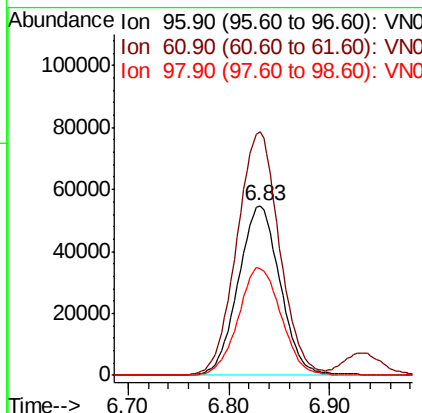
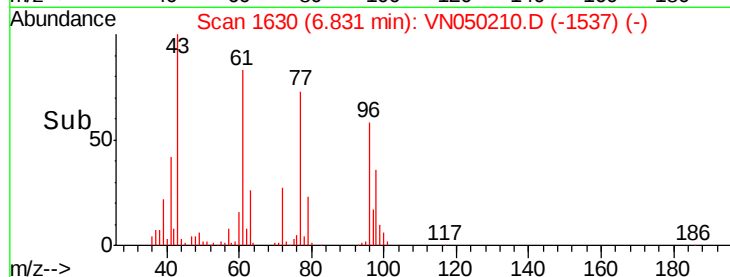
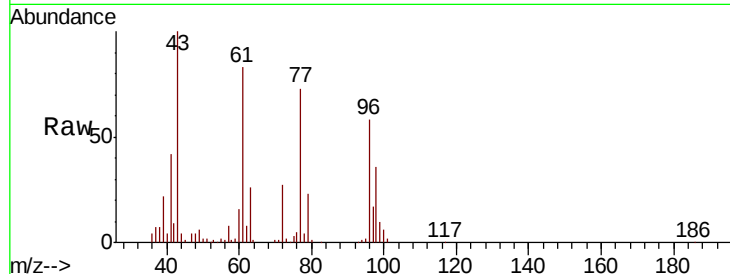
ClientSampleId :

VN0731WBS02

Tot Ion:	96	Resp:	157767
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	285.0
98	64.9	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.114 ug/l

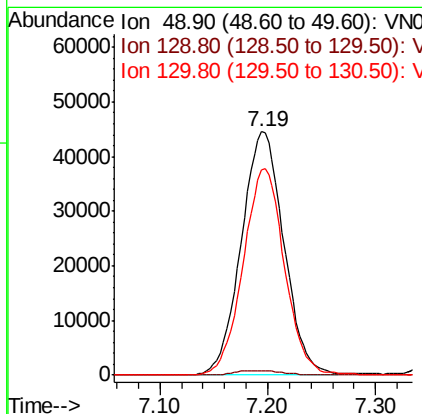
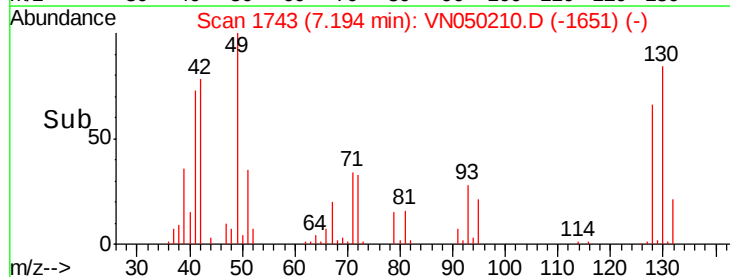
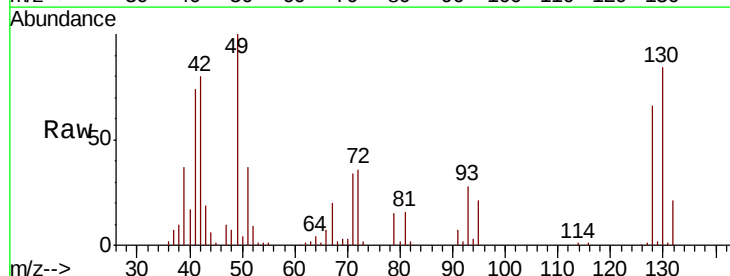
RT: 7.19 min Scan# 1743

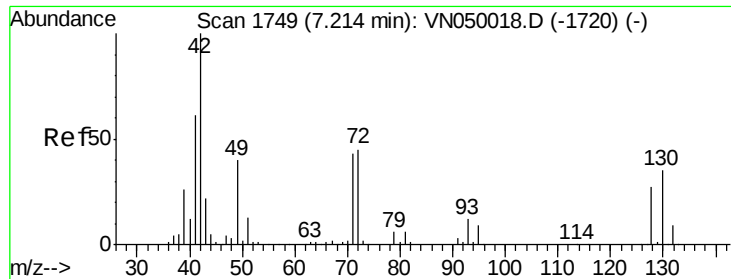
Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion:	49	Resp:	122187
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.4	66.3	99.5





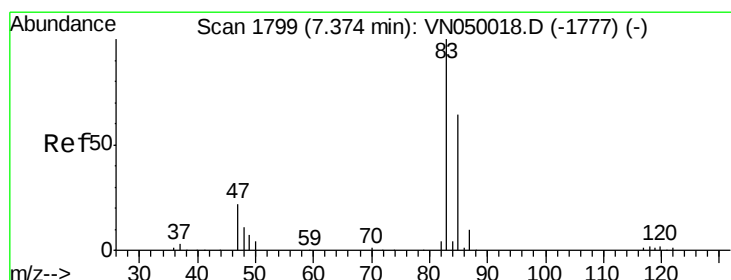
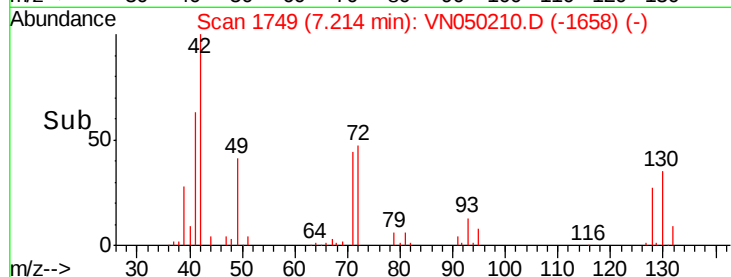
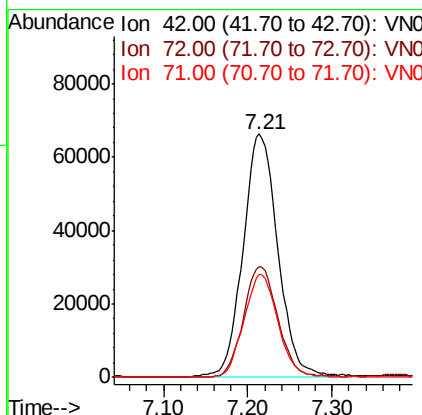
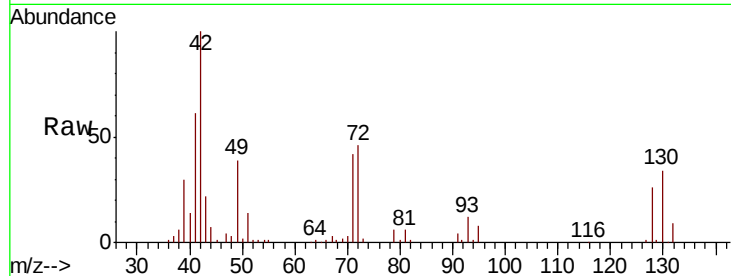
#29
Tetrahydrofuran
Concen: 85.906 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.9	53.9
71	41.7	33.7	50.5

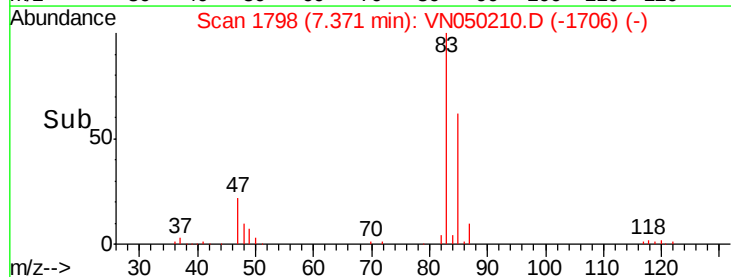
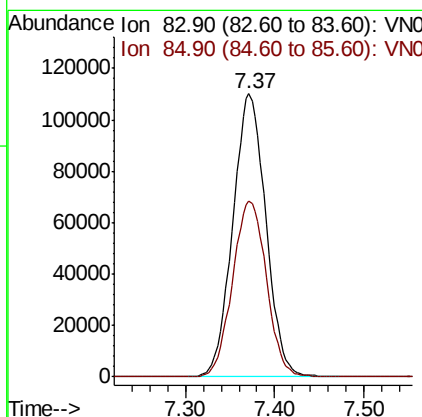
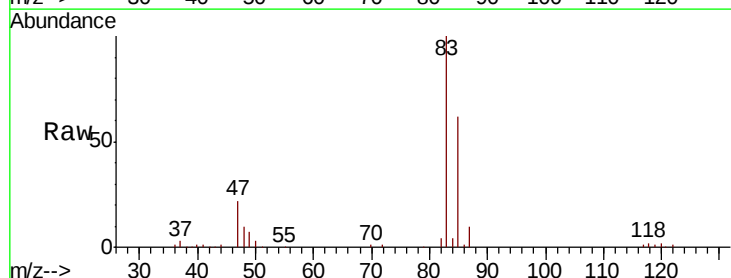
Manual Integrations
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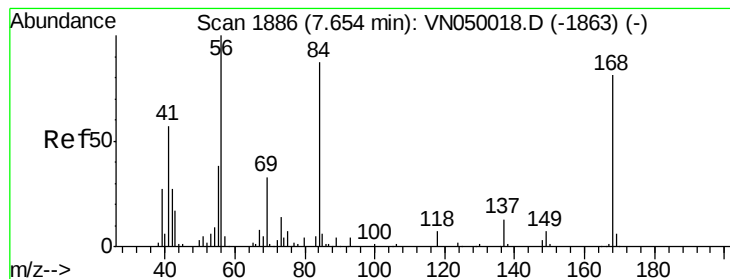
MMDadoda
8/1/2018 11:14:08 AM



#30
Chloroform
Concen: 18.771 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.5	78.7





#31

Cyclohexane

Concen: 18.210 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

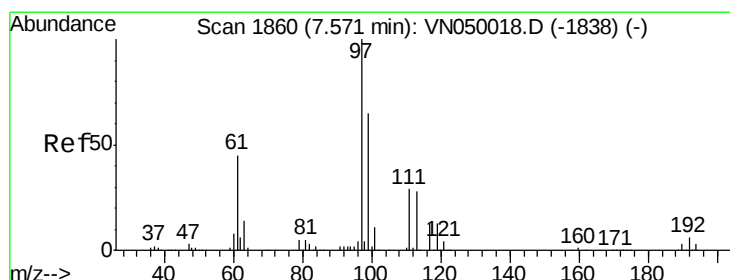
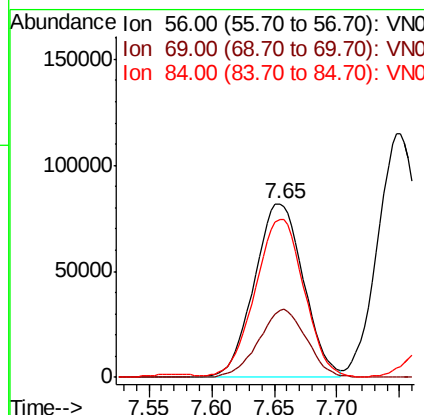
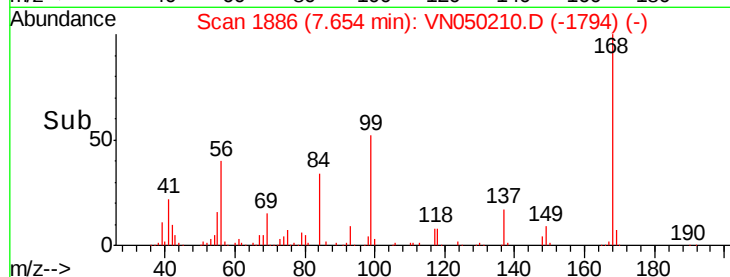
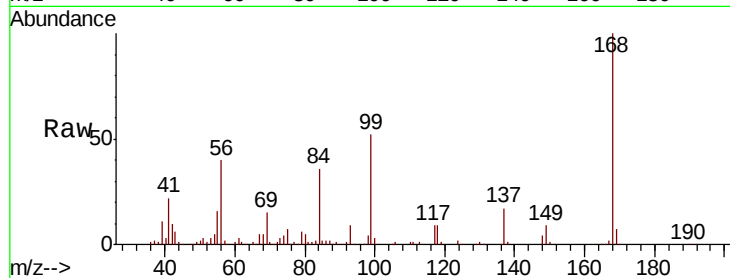
ClientSampled :

VN0731WBS02

Tot Ion:	56	Resp:	223881
Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.2	39.4
84	89.4	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.332 ug/l

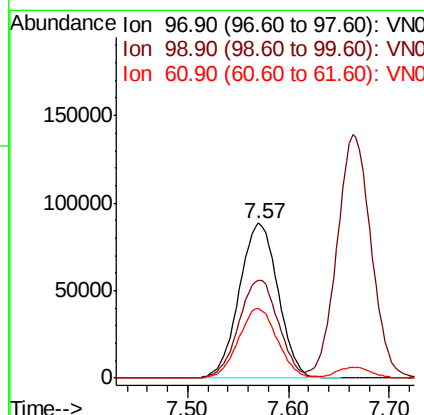
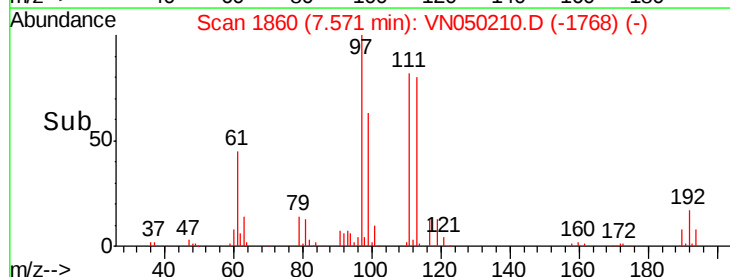
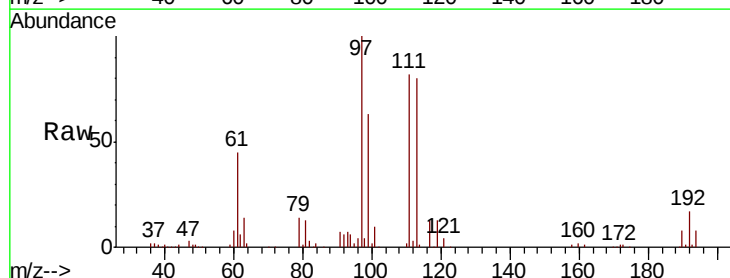
RT: 7.57 min Scan# 1860

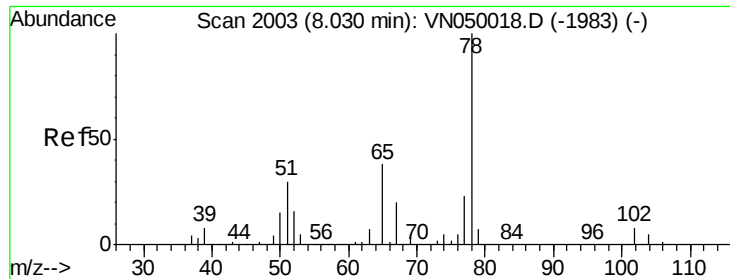
Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion:	97	Resp:	236656
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	44.8	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 46.985 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 65 Resp: 418388

Ion Ratio Lower Upper

65 100

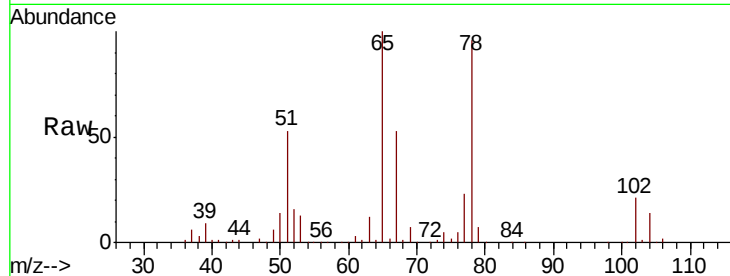
67 53.6 0.0 108.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN050210.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN050210.D (-1910) (-)

8.03

200000

150000

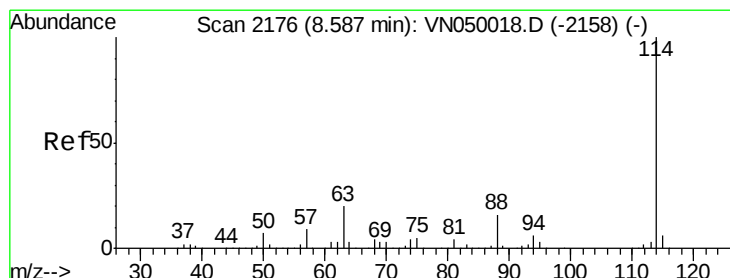
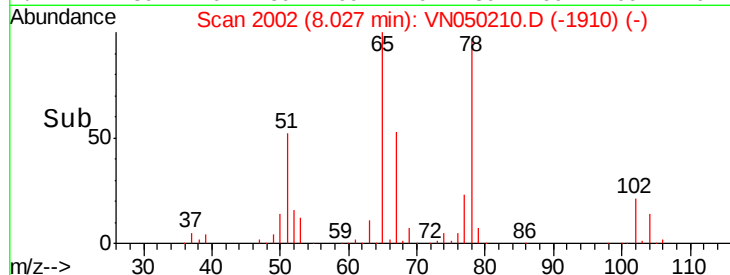
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

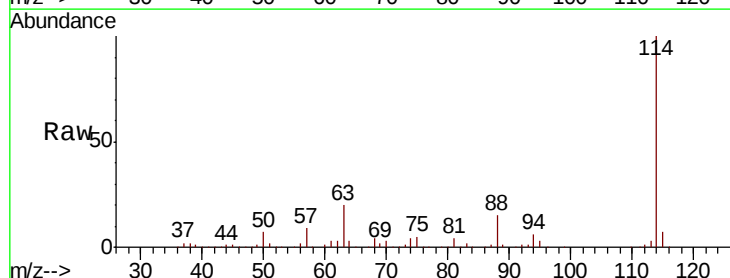
Tgt Ion: 114 Resp: 937194

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050210.D (-2084) (-)

Ion 63.00 (62.70 to 63.70): VN050210.D (-2084) (-)

Ion 87.90 (87.60 to 88.60): VN050210.D (-2084) (-)

600000

500000

400000

300000

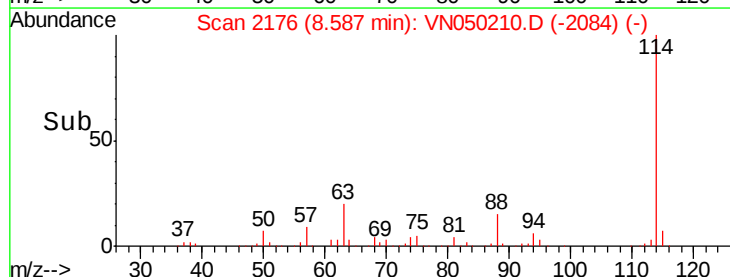
200000

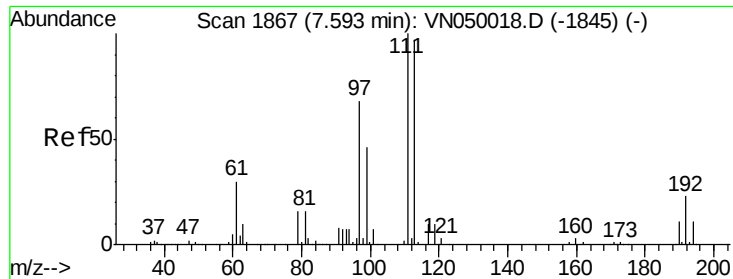
100000

0

8.50 8.60 8.70 8.80

Time-->





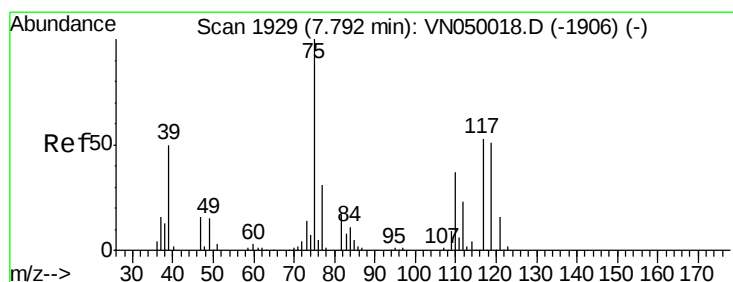
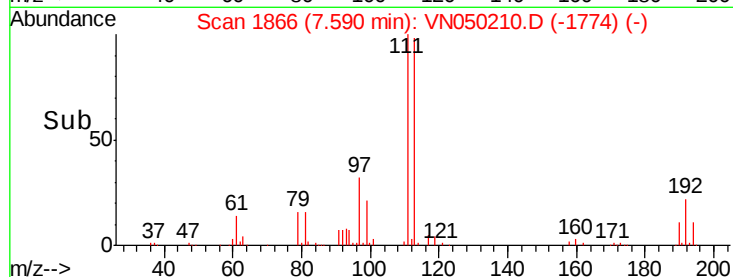
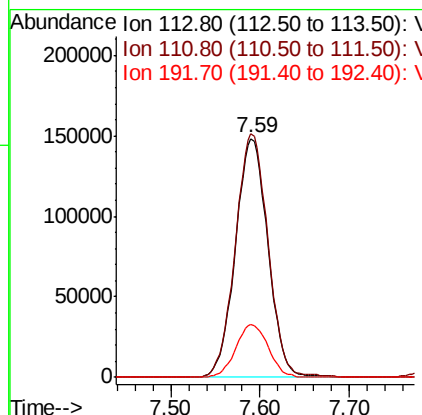
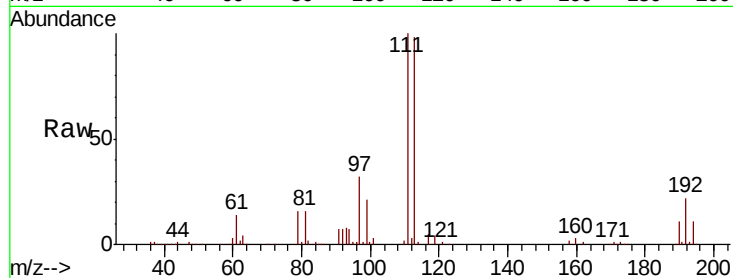
#35
 Dibromofluoromethane
 Concen: 48.918 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	80.7	121.1	
192	22.2	17.8	26.6	

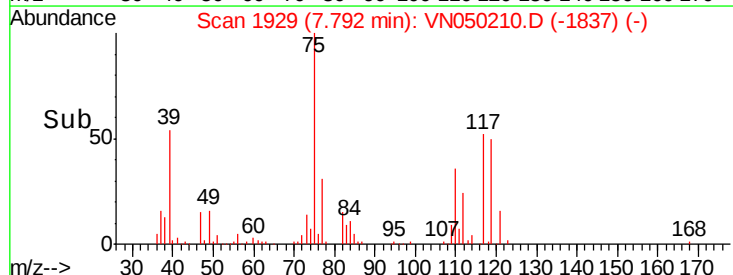
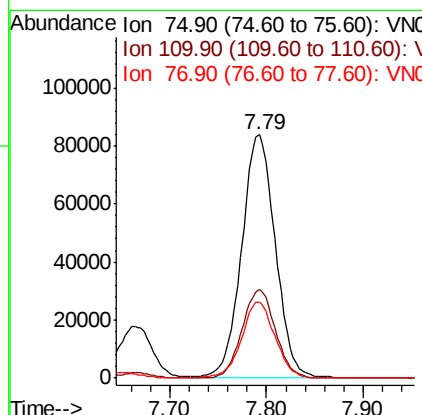
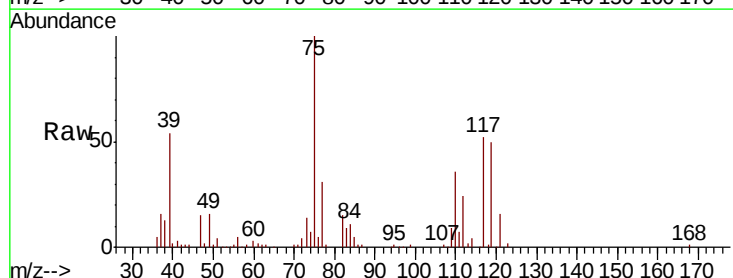
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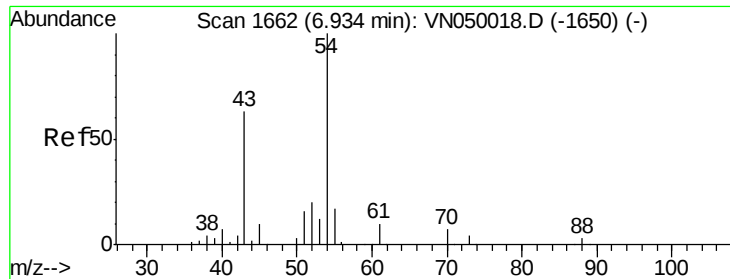
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#36
 1,1-Dichloropropene
 Concen: 19.146 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.4	55.2	
77	31.3	25.3	37.9	





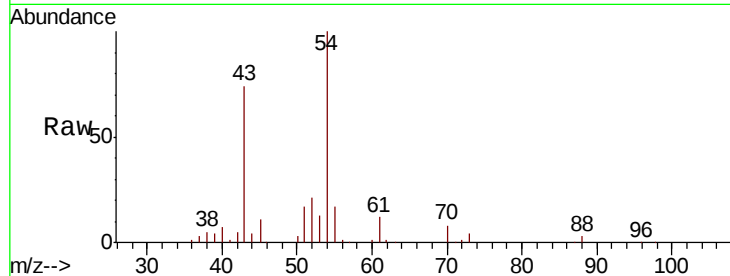
#37
Ethyl Acetate
Concen: 17.696 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

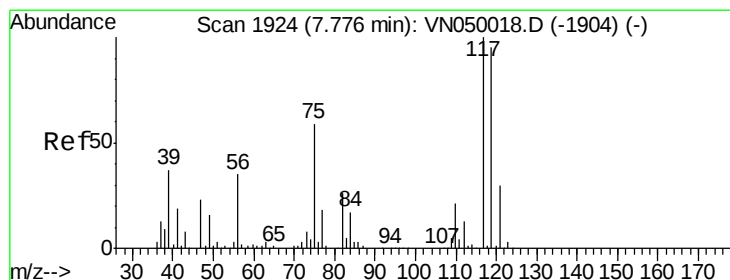
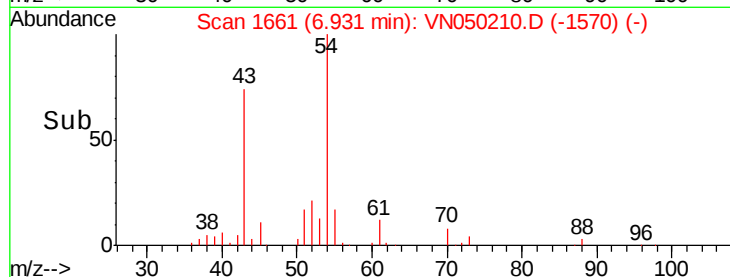
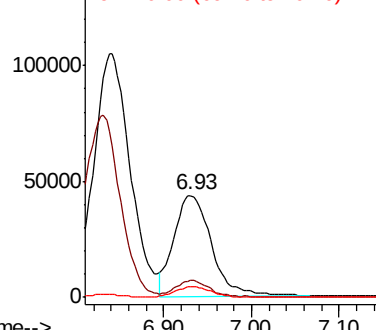
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.8
70	10.4	8.4	12.6

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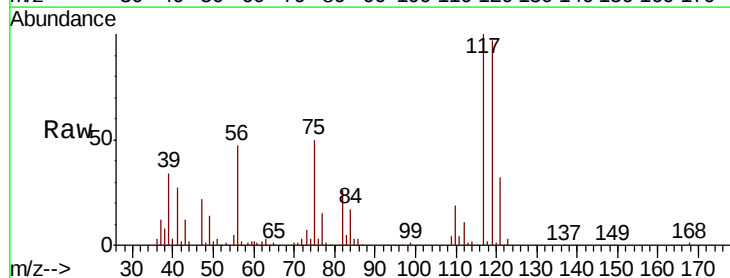


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

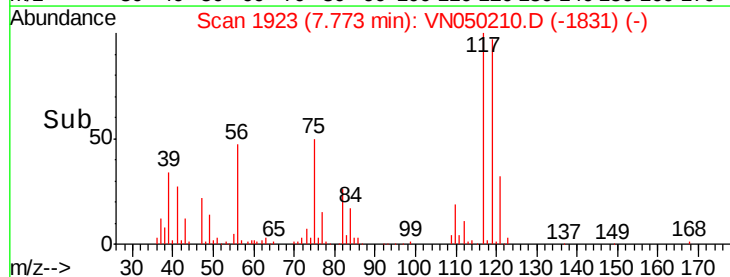
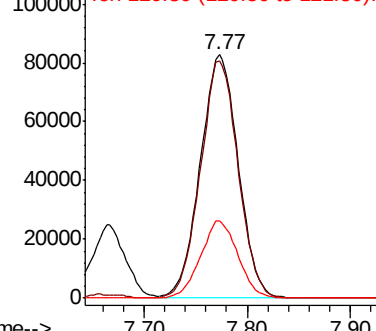


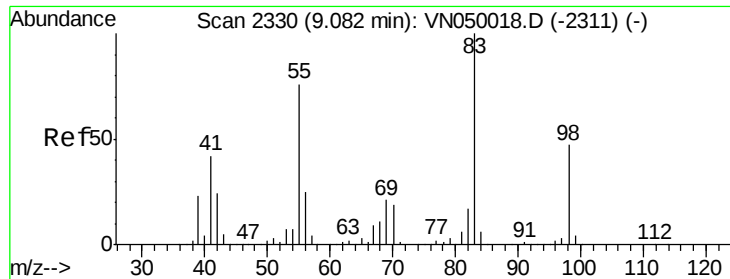
#38
Carbon Tetrachloride
Concen: 18.900 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.0
121	31.9	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





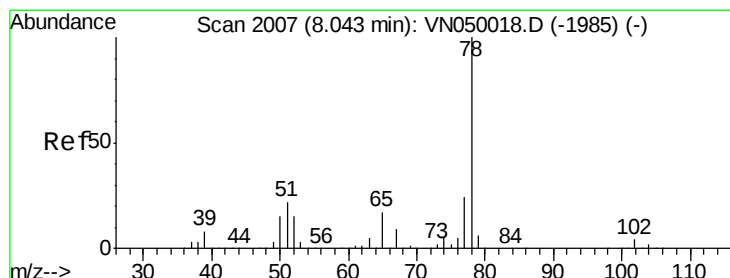
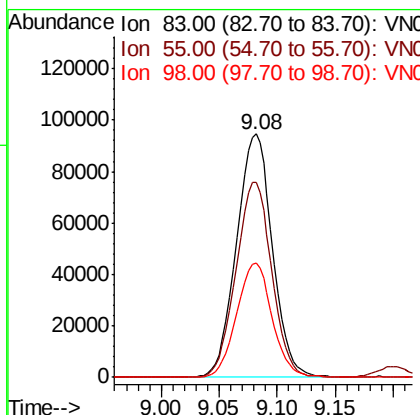
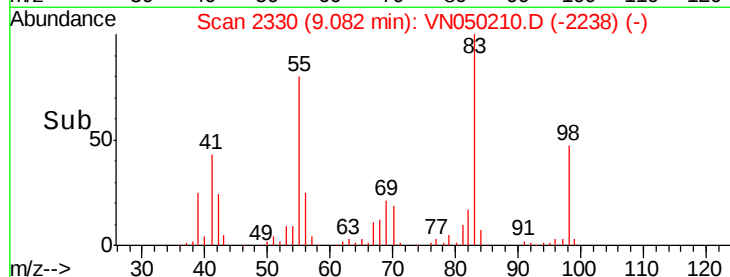
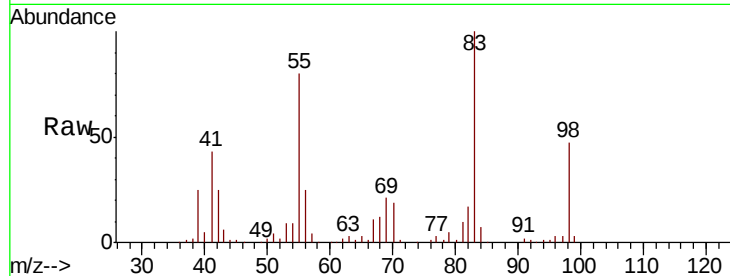
#39
Methvlcvclohexane
Concen: 18.726 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion	83.00	Resp	203402
Ion Ratio	100	Lower	Upper
83	100		
55	80.2	61.8	92.8
98	46.8	36.5	54.7

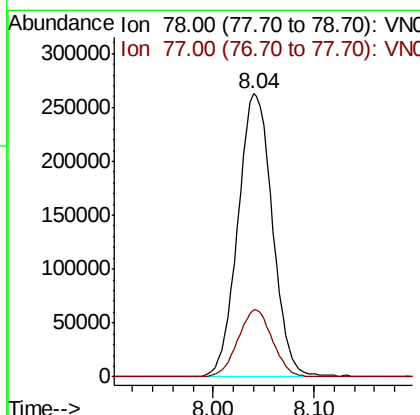
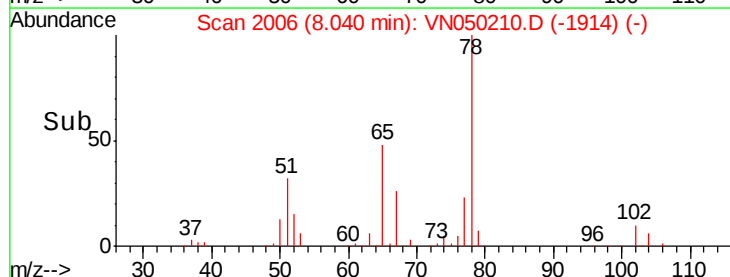
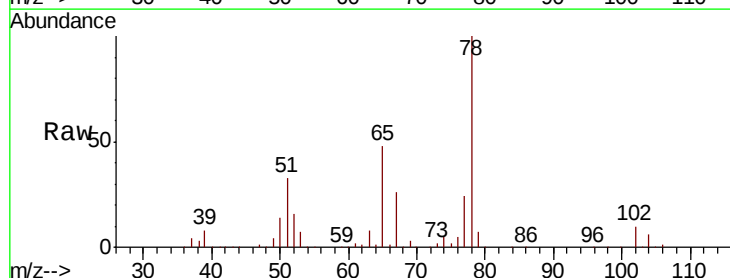
Manual Integrations
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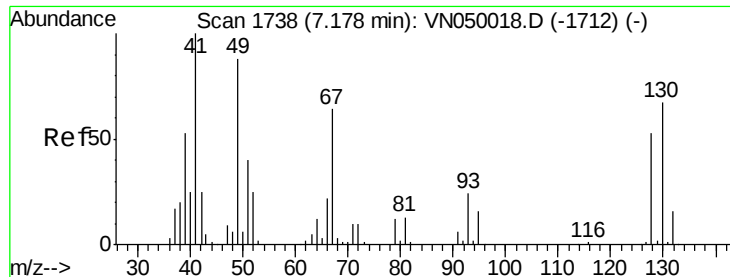
MMDadoda
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#40
Benzene
Concen: 19.369 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	78.00	Resp	622336
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.7	28.1





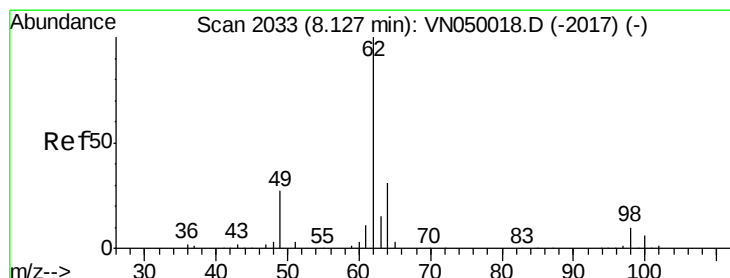
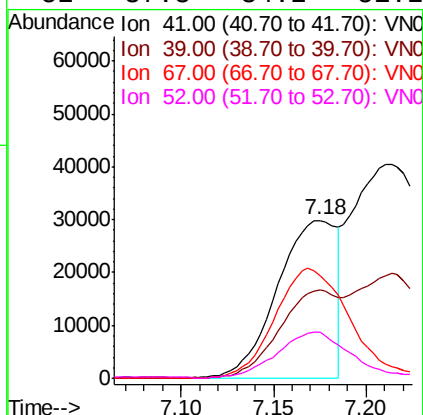
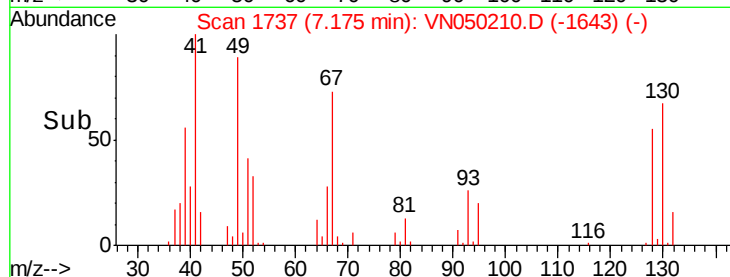
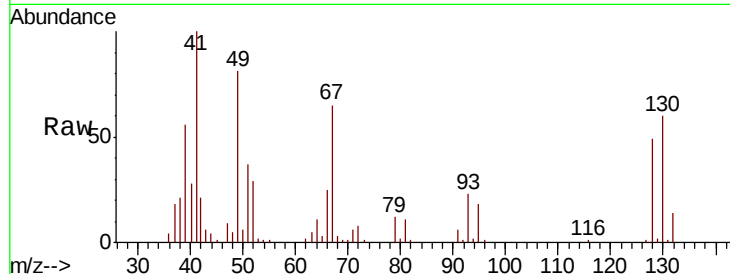
#41
Methacrylonitrile
Concen: 19.200 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	55.8	83.6#	
67	88.7	84.3	126.5	
52	37.3	34.2	51.2	

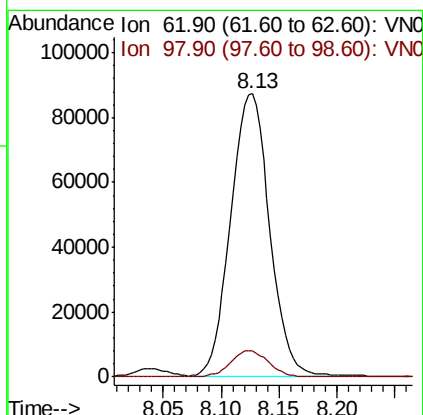
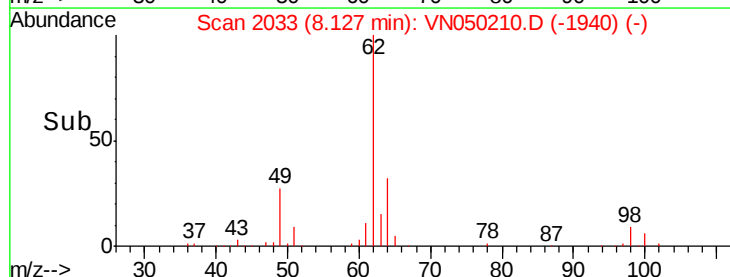
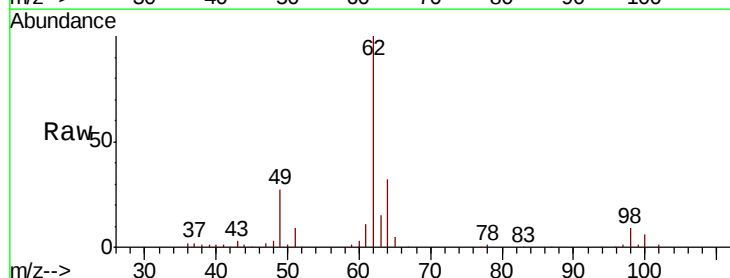
Manual Integrations
APPROVED

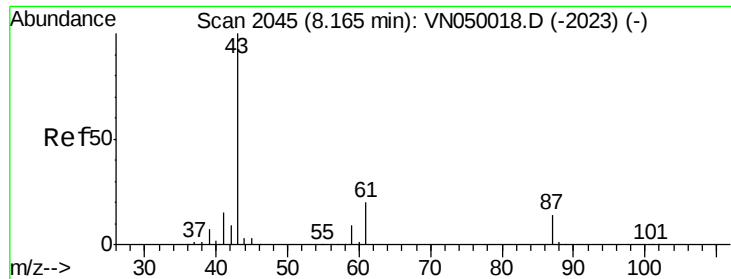
MMDadoda
8/1/2018 11:14:08 AM



#42
1,2-Dichloroethane
Concen: 18.868 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.8	





#43

Isopropyl Acetate

Concen: 17.248 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

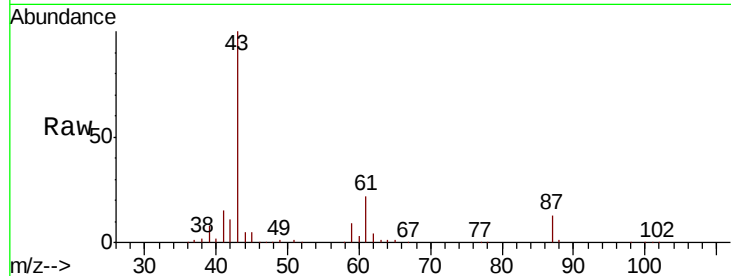
ClientSampled :

VN0731WBS02

Tot Ion:	43	Resp:	249638
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.8	23.6
87	12.7	10.3	15.5

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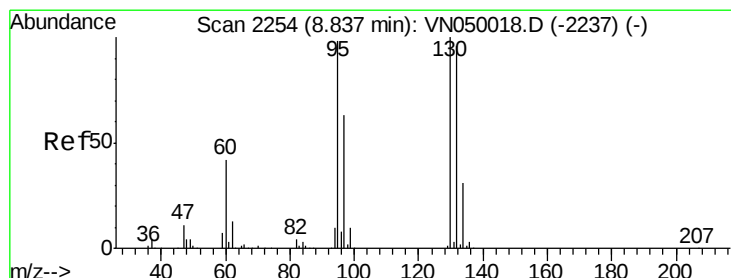
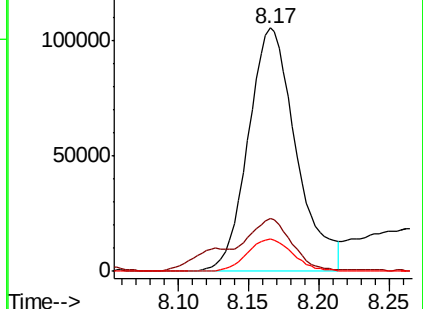
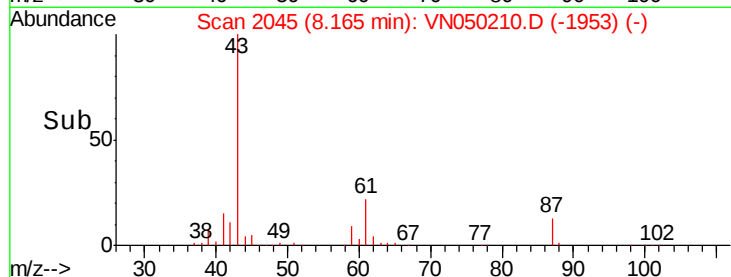


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

Time-->



#44

Trichloroethene

Concen: 18.609 ug/l

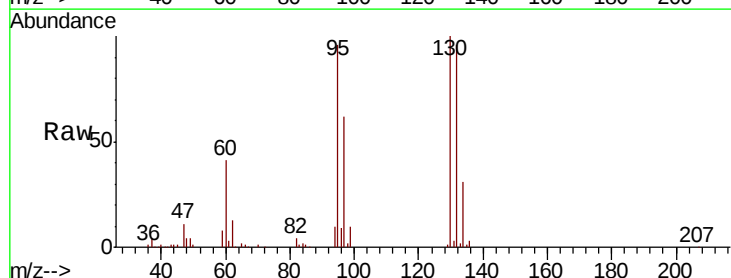
RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

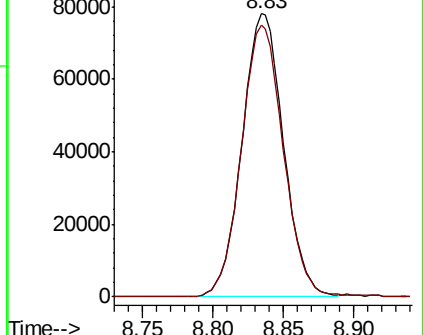
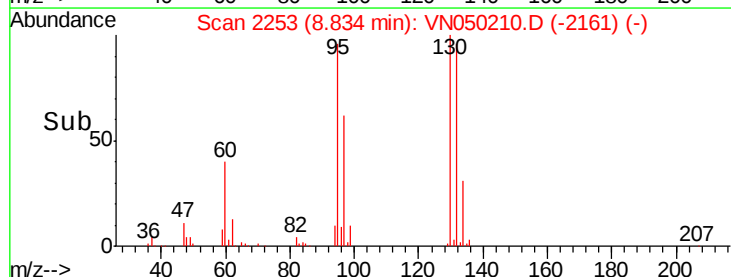
Tgt Ion:	130	Resp:	160659
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	194.6

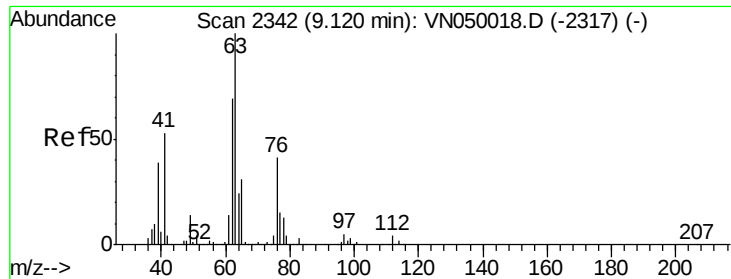


Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.485 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

Tot Ion: 63 Resp: 165822

Ion Ratio Lower Upper

63 100

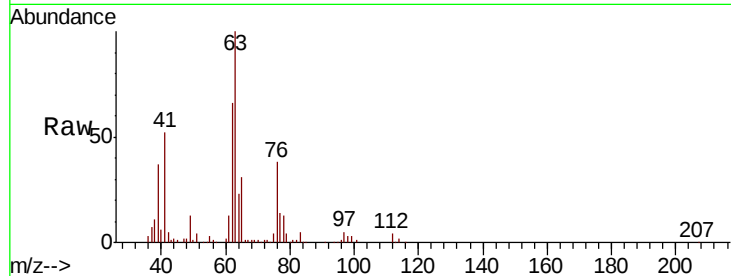
65 31.4 25.5 38.3

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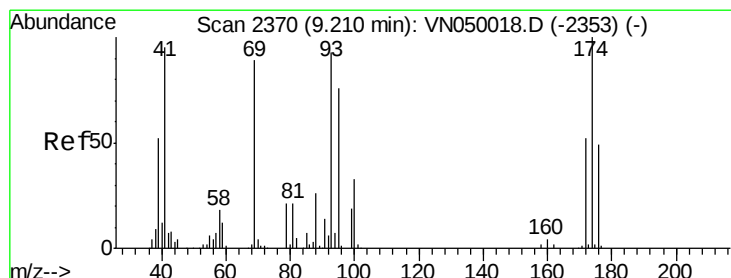
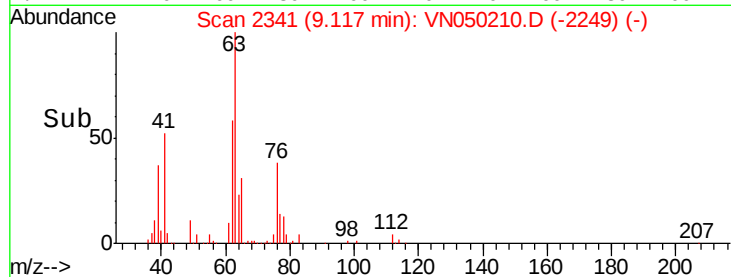
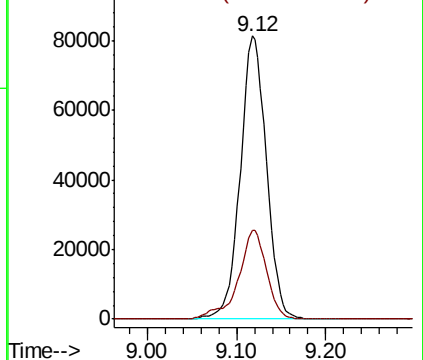
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.177 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

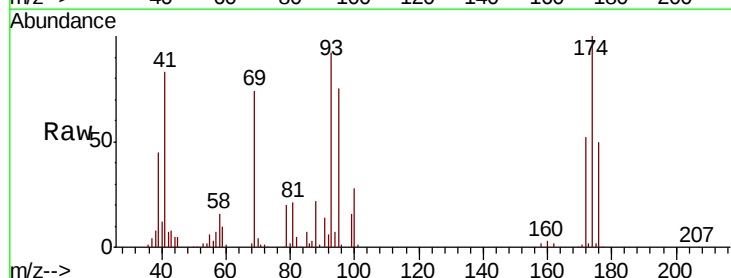
Tgt Ion: 93 Resp: 101335

Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

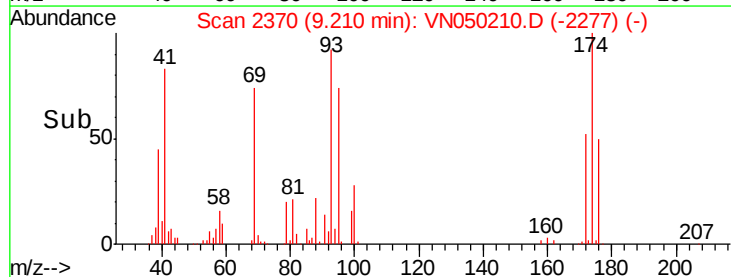
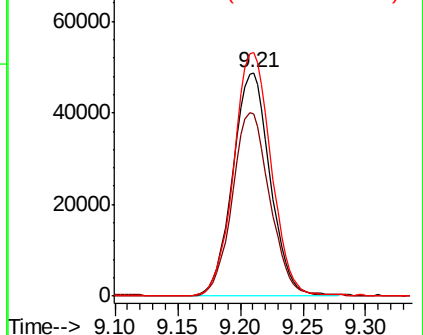
174 109.5 87.1 130.7

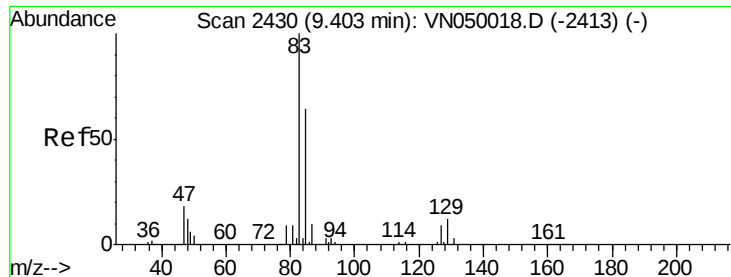


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





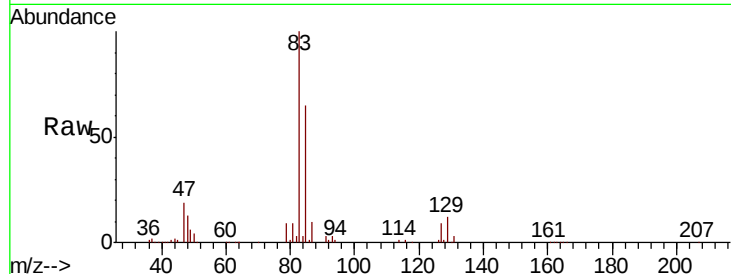
#47
Bromodichloromethane
Concen: 19.010 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	212012		
85	65.2	51.1	76.7	
127	9.4	7.0	10.4	

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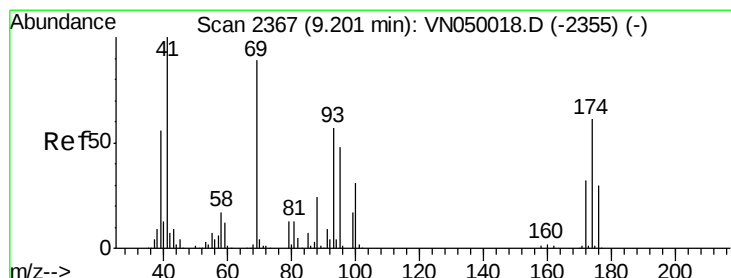
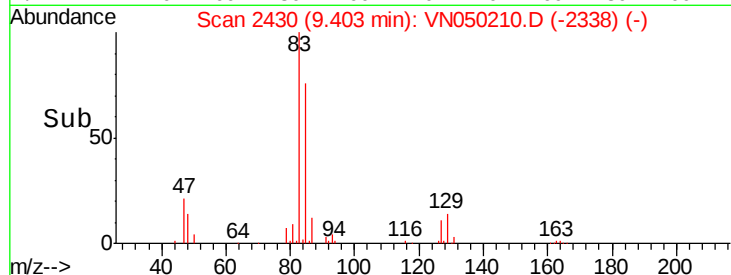
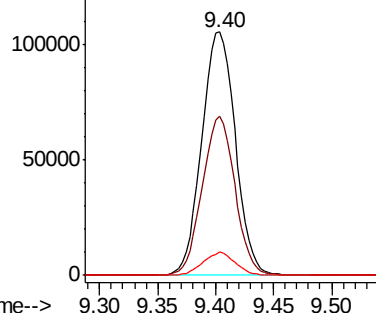
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Abundance Ion 82.90 (82.60 to 83.60): VN050210.D (-2338) (-)

Ion 84.90 (84.60 to 85.60): VN050210.D (-2338) (-)

Ion 126.80 (126.50 to 127.50): VN050210.D (-2338) (-)



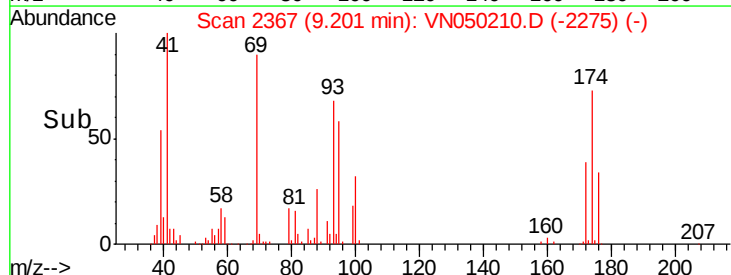
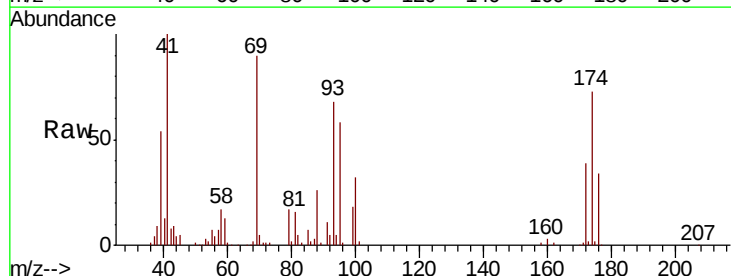
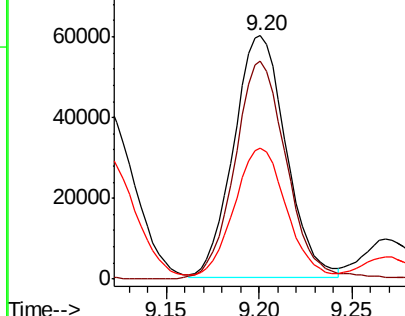
#48
Methyl methacrylate
Concen: 18.568 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

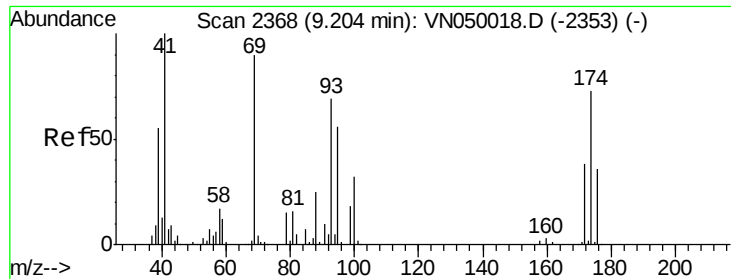
Tgt Ion	Ratio	Resp	Lower	Upper
41	100	117722		
69	89.3	70.6	105.8	
39	53.5	43.9	65.9	

Abundance Ion 41.00 (40.70 to 41.70): VN050210.D (-2275) (-)

Ion 69.00 (68.70 to 69.70): VN050210.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN050210.D (-2275) (-)





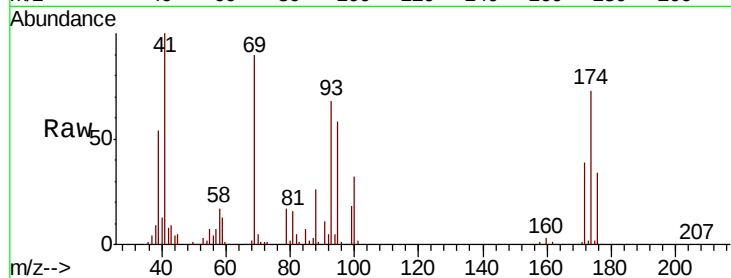
#49
1,4-Dioxane
Concen: 382.562 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	26.9	40.3
58	71.5	57.3	85.9

Manual Integrations
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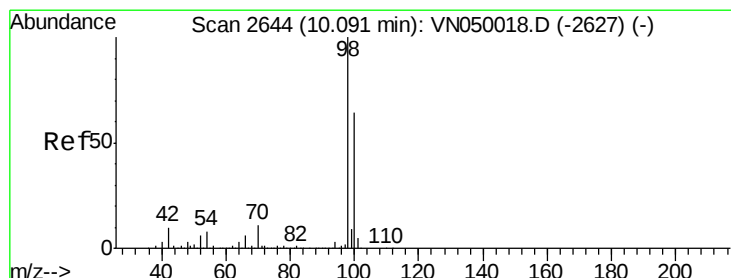
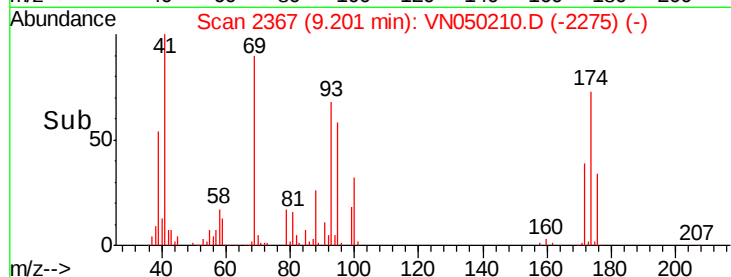
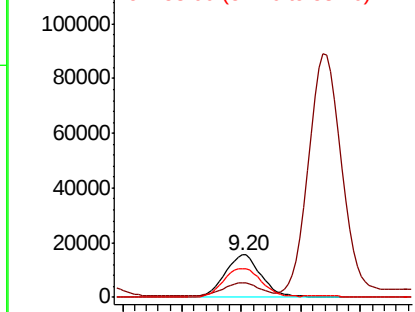


Abundance

Ion 88.00 (87.70 to 88.70): VN0

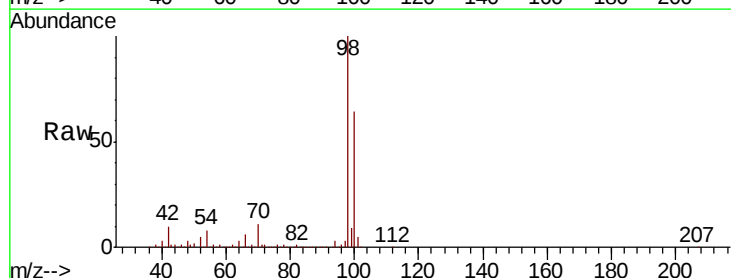
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.444 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

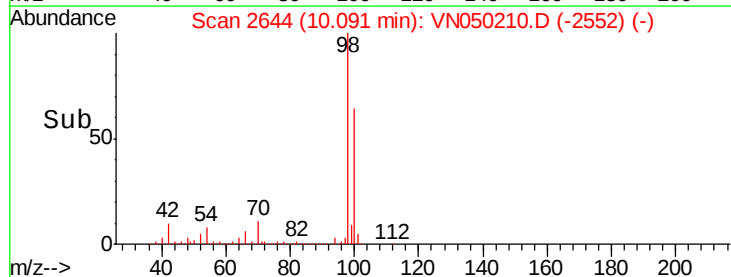
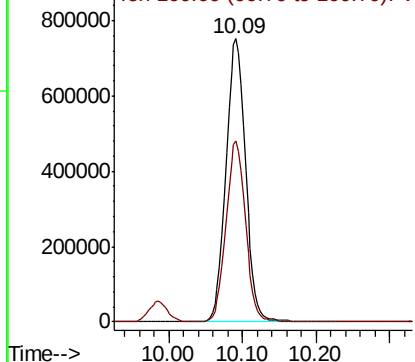
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.7	76.1

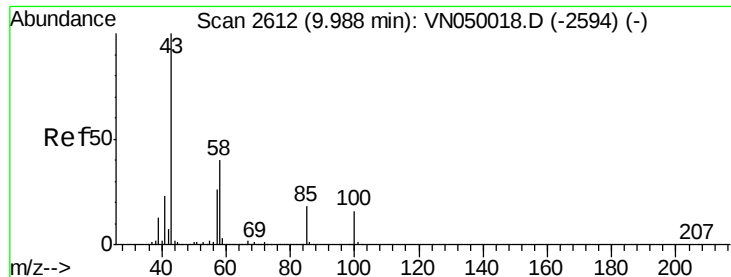


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





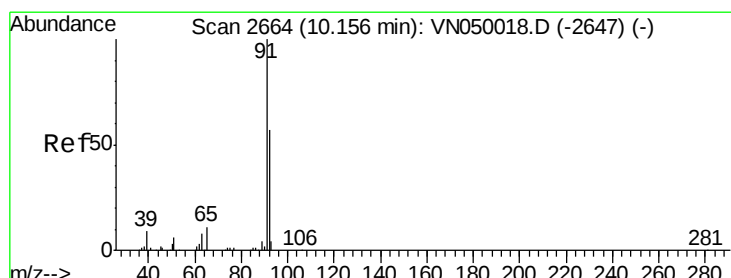
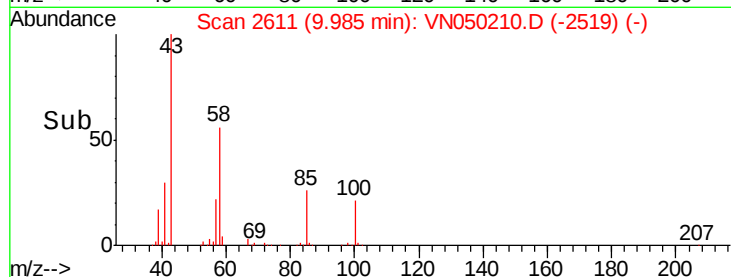
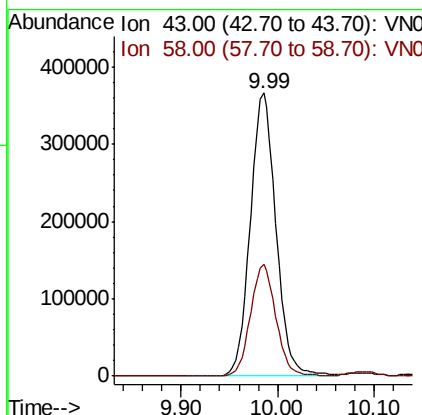
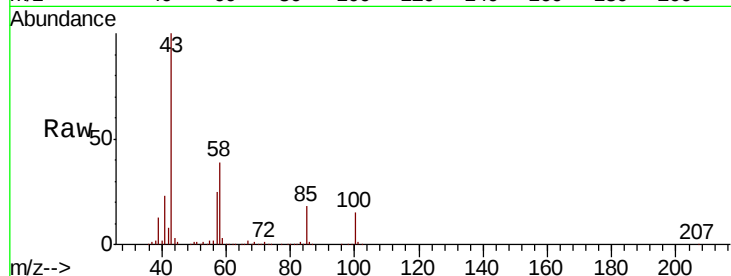
#51
4-Methyl-2-Pentanone
Concen: 93.086 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.9	47.9

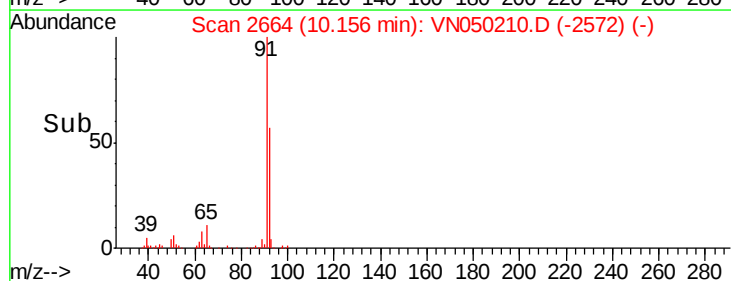
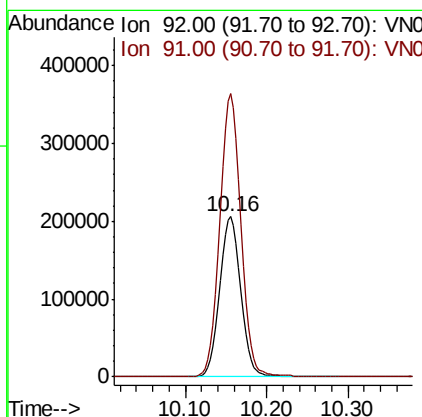
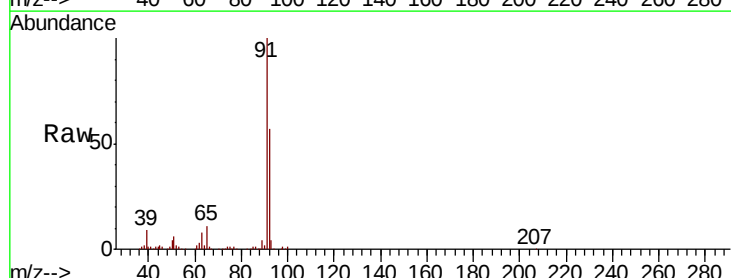
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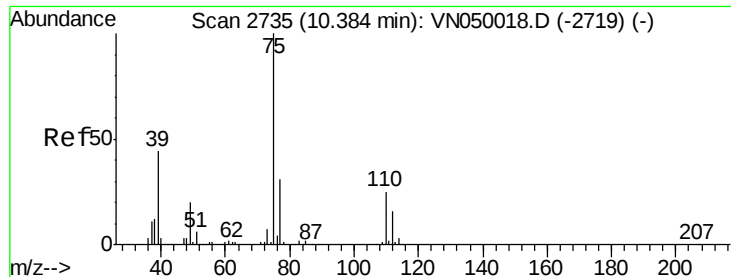
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#52
Toluene
Concen: 20.078 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.9	140.3	210.5





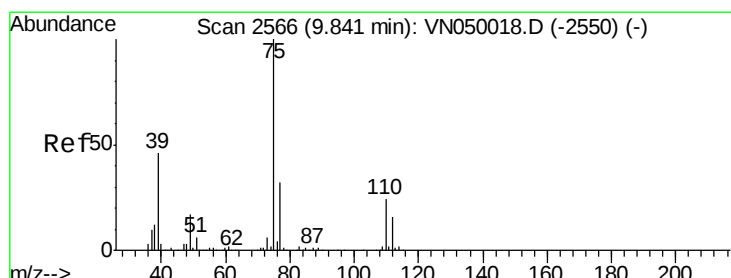
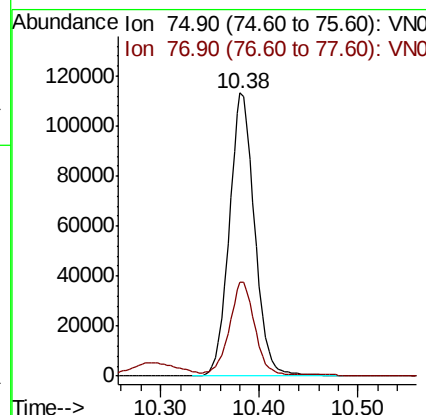
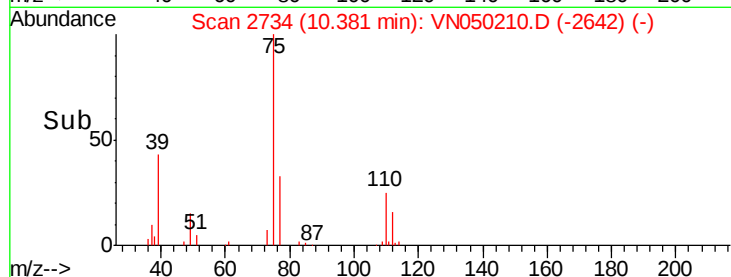
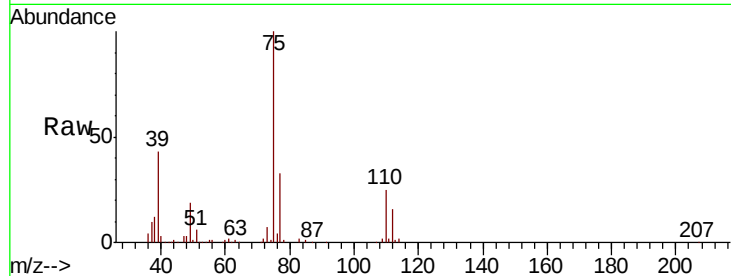
#53
t-1,3-Dichloropropene
Concen: 19.384 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion: 75 Resp: 204003
Ion Ratio Lower Upper
75 100
77 32.8 24.9 37.3

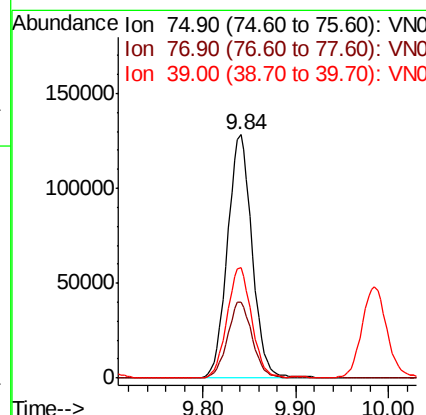
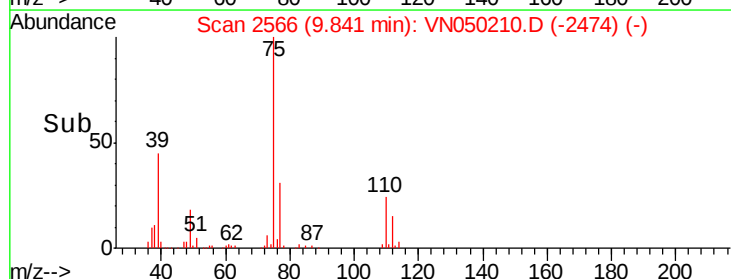
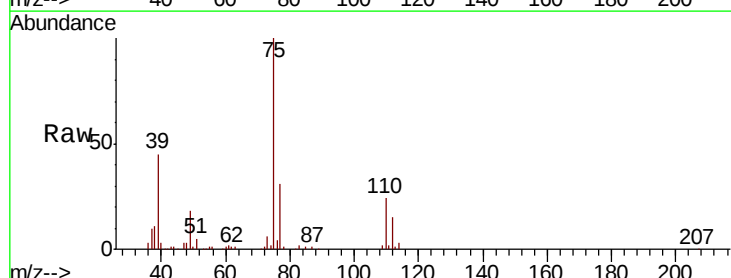
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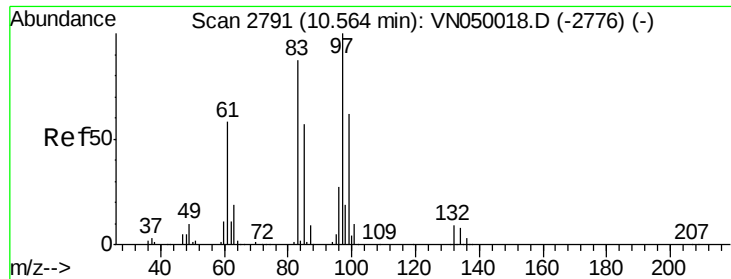
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#54
cis-1,3-Dichloropropene
Concen: 19.674 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 75 Resp: 236635
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3
39 45.2 36.6 55.0





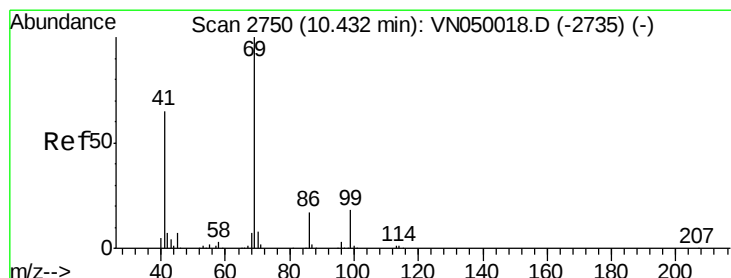
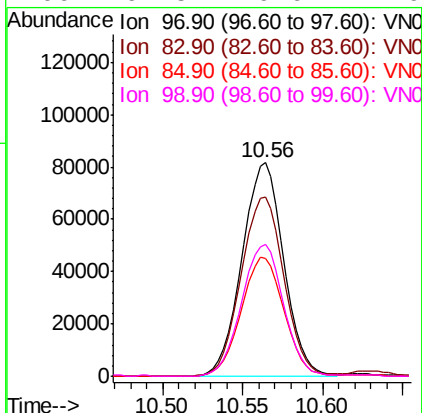
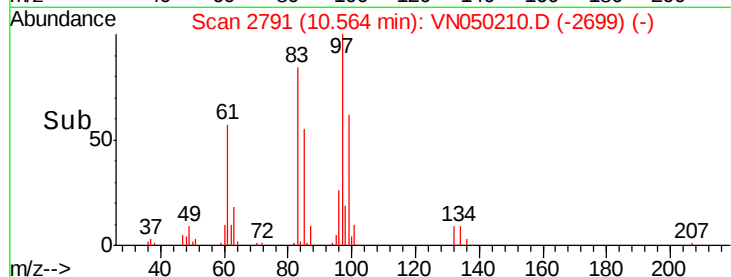
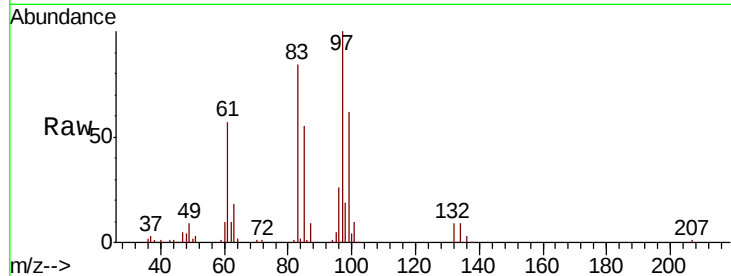
#55
 1,1,2-Trichloroethane
 Concen: 19.346 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.2	103.8
85	55.3	44.0	66.0
99	61.5	49.9	74.9

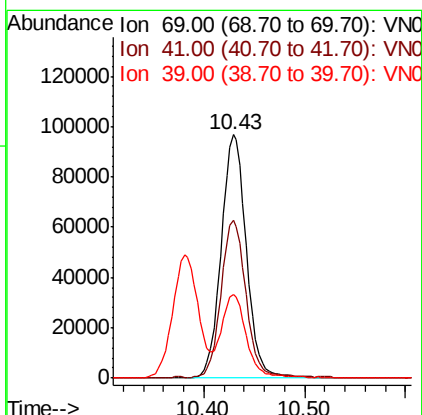
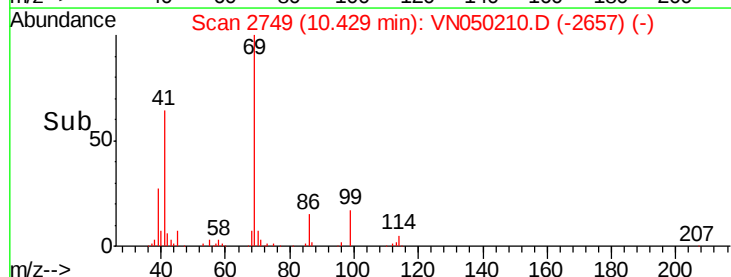
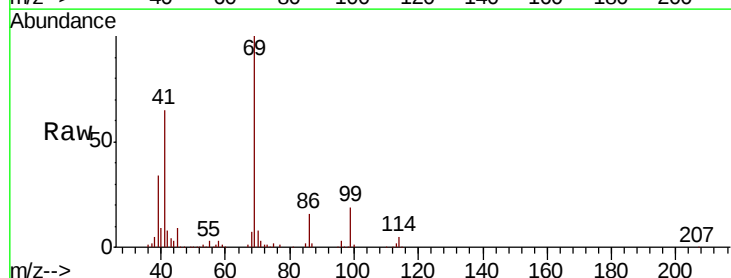
Manual Integrations
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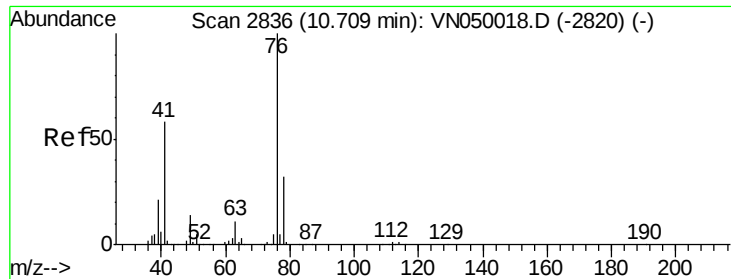
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#56
 Ethyl methacrylate
 Concen: 17.929 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.0	76.4
39	34.2	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.419 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 76 Resp: 237885

Ion Ratio Lower Upper

76 100

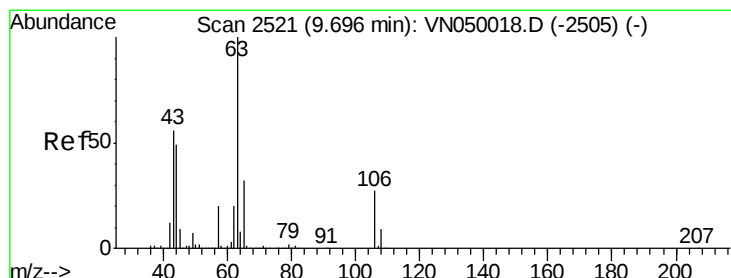
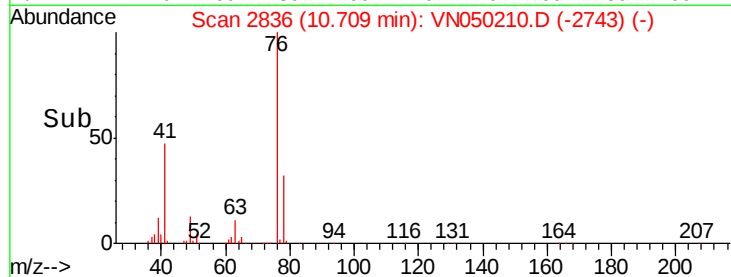
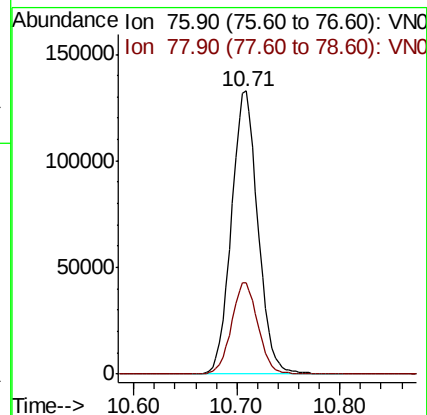
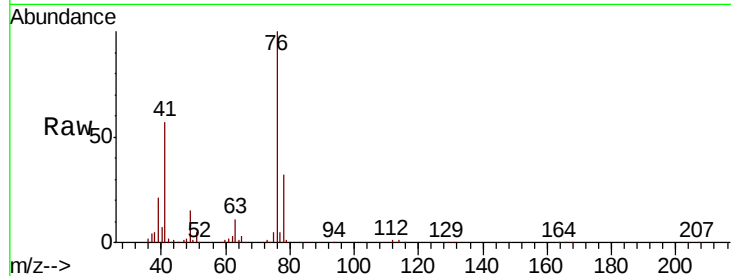
78 32.4 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 80.840 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050210.D

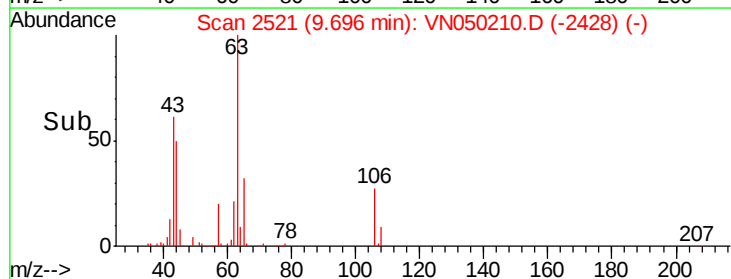
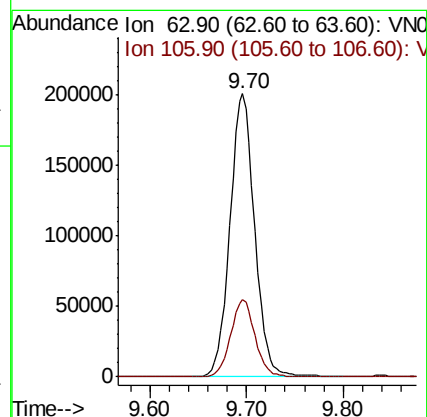
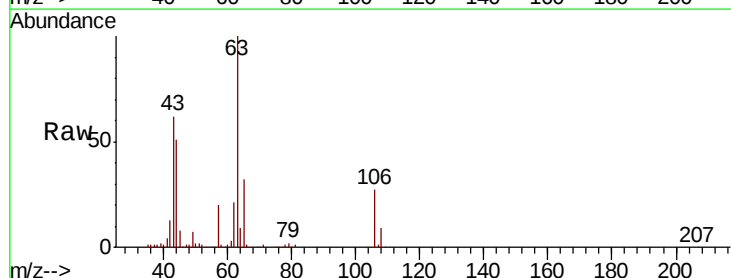
Acq: 31 Jul 2018 13:13

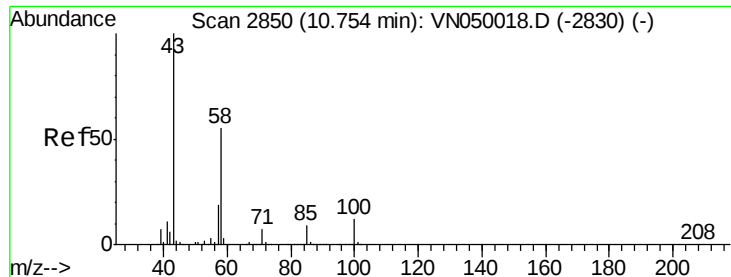
Tgt Ion: 63 Resp: 356443

Ion Ratio Lower Upper

63 100

106 26.9 21.7 32.5





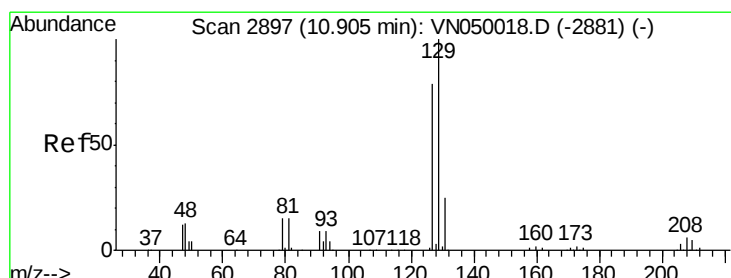
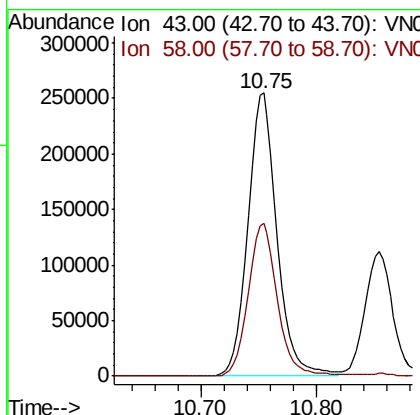
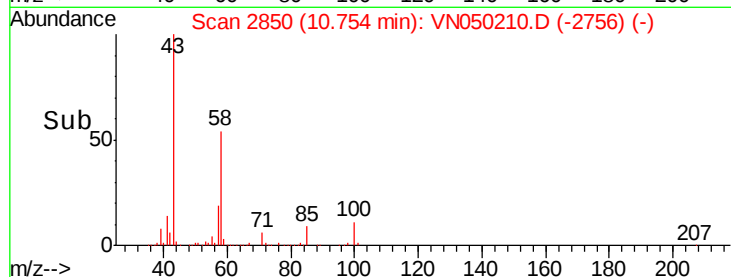
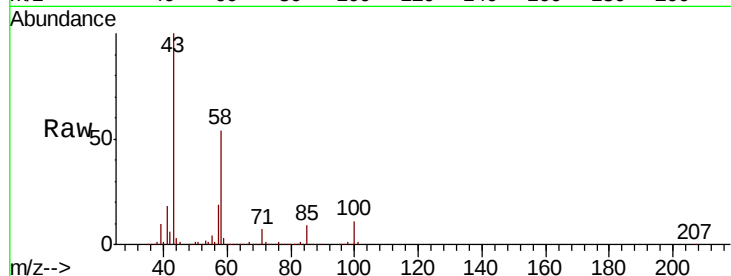
#59
2-Hexanone
Concen: 87.042 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion: 43 Resp: 444553
Ion Ratio Lower Upper
43 100
58 54.4 27.6 82.7

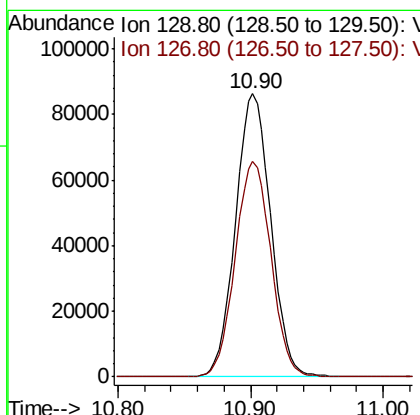
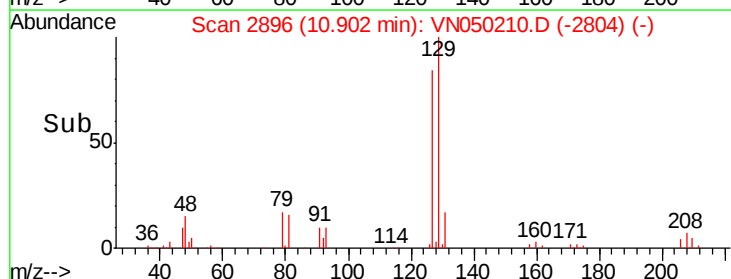
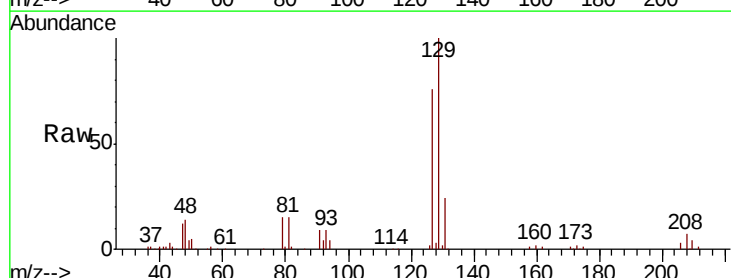
Manual Integrations
APPROVED

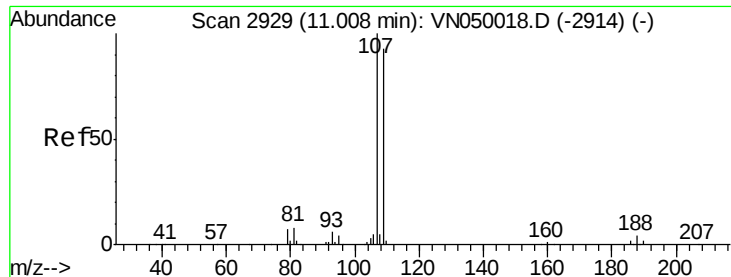
MMDadoda
8/1/2018 11:14:08 AM



#60
Dibromochloromethane
Concen: 19.146 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 129 Resp: 159467
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9





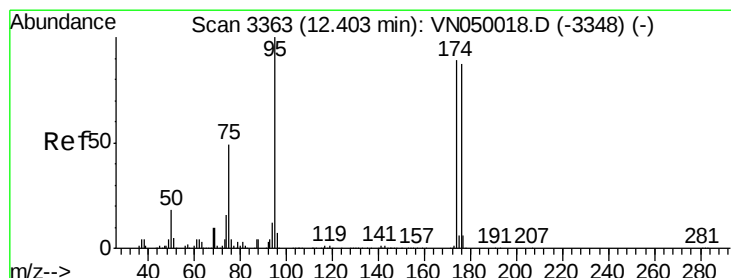
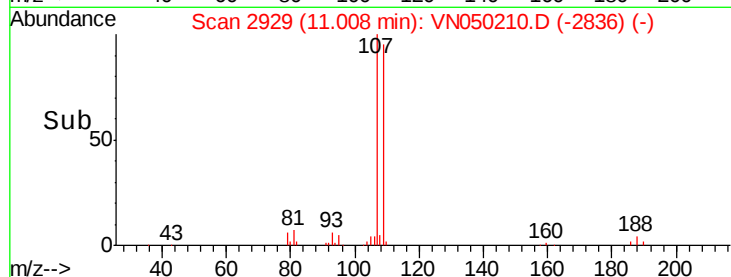
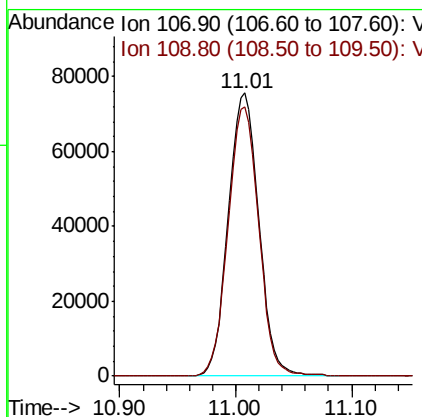
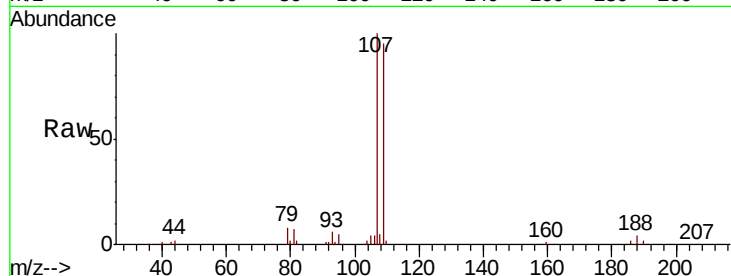
#61
 1,2-Dibromoethane
 Concen: 18.426 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.6	112.0

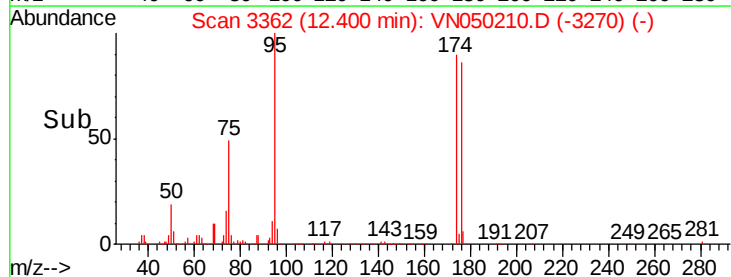
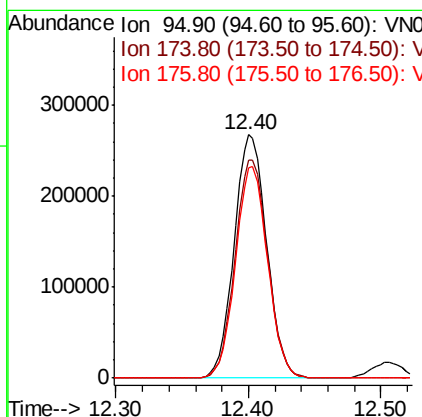
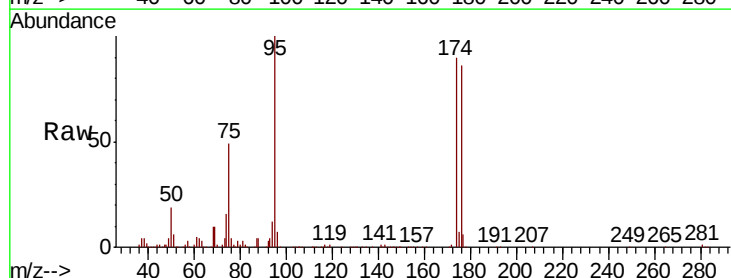
Manual Integrations
 APPROVED

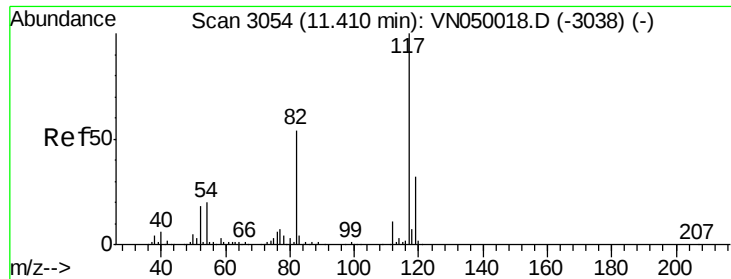
MMDadoda
 8/1/2018 11:14:08 AM



#62
 4-Bromofluorobenzene
 Concen: 49.081 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	178.2
176	86.2	0.0	173.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

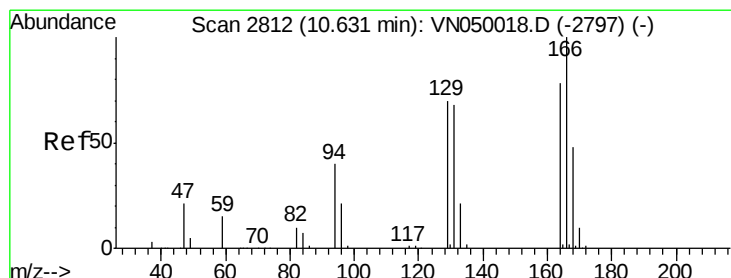
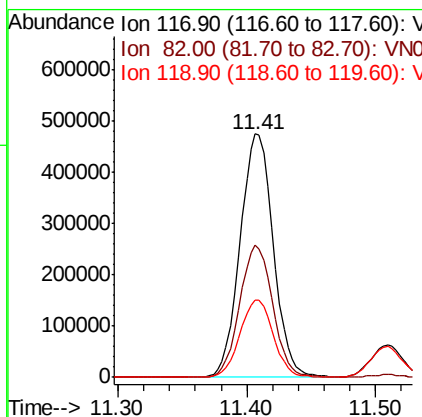
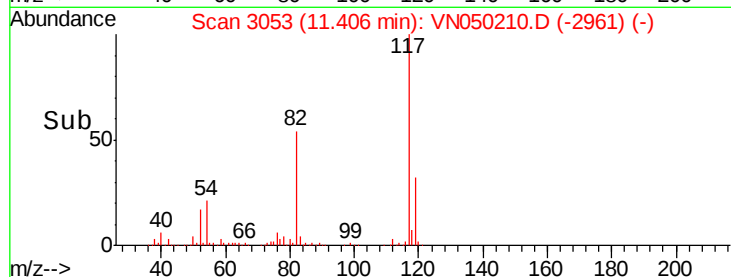
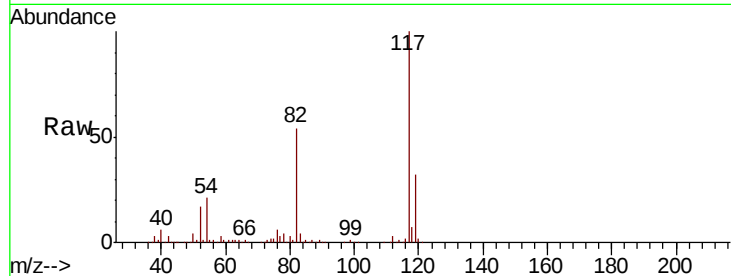
ClientSampleId :

VN0731WBS02

Tot Ion:	117	Resp:	851411
Ion Ratio	Lower	Upper	
117	100		
82	54.2	43.7	65.5
119	31.7	26.1	39.1

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8/1/2018 11:14:08 AM



#64

Tetrachloroethene

Concen: 18.858 ug/l

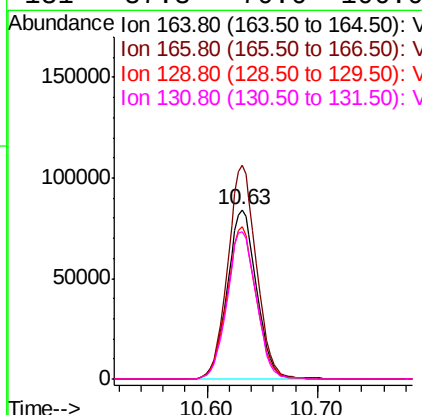
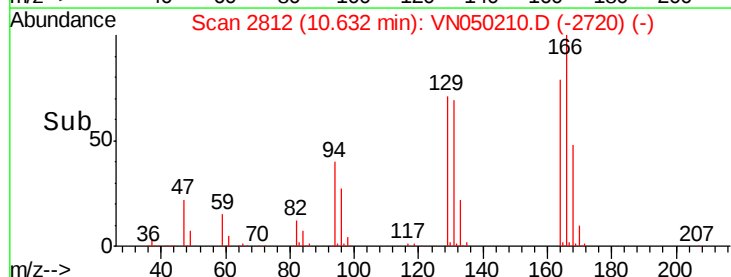
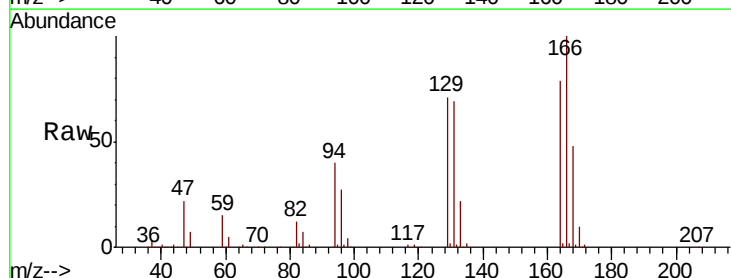
RT: 10.63 min Scan# 2812

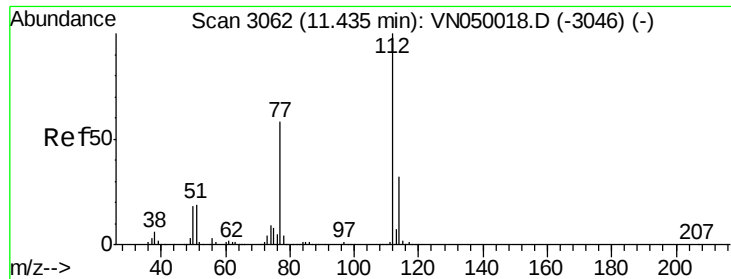
Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion:	164	Resp:	154370
Ion Ratio	Lower	Upper	
164	100		
166	126.4	102.1	153.1
129	89.9	73.2	109.8
131	87.3	70.6	106.0





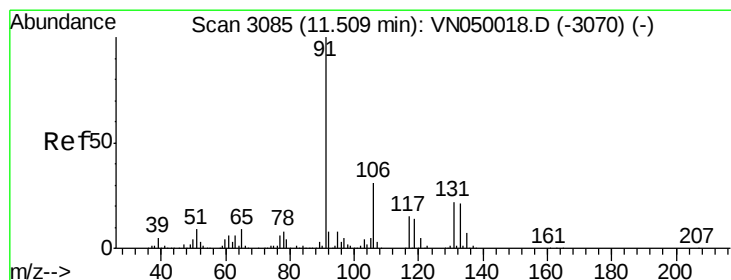
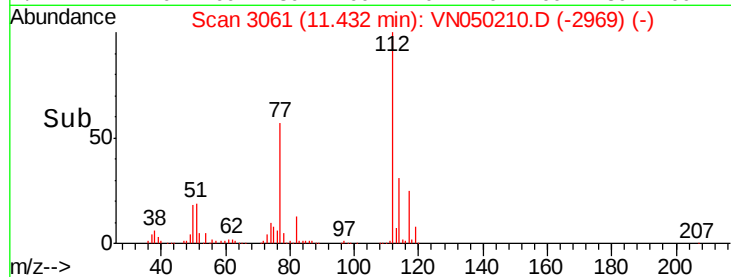
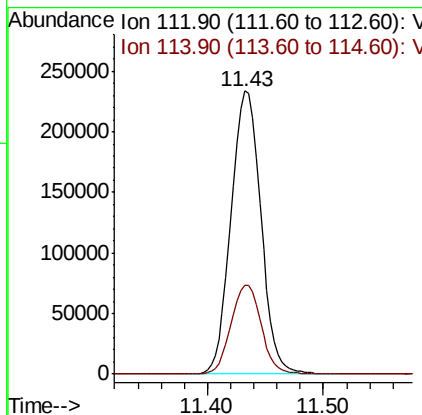
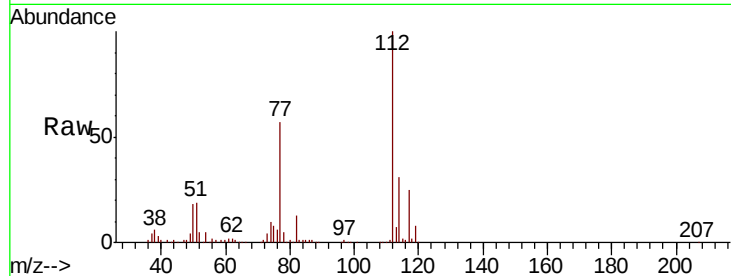
#65
Chlorobenzene
Concen: 19.369 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.6	38.4

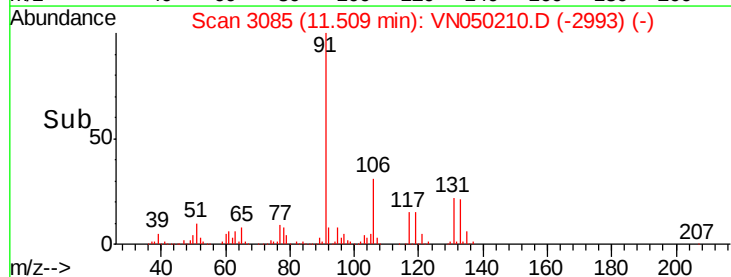
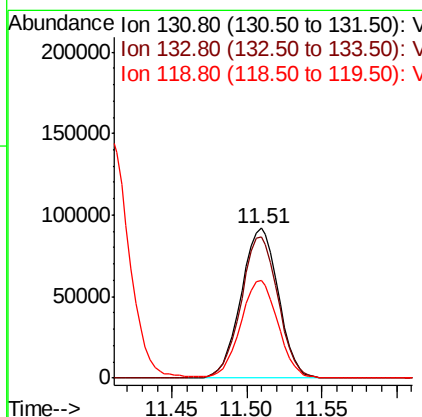
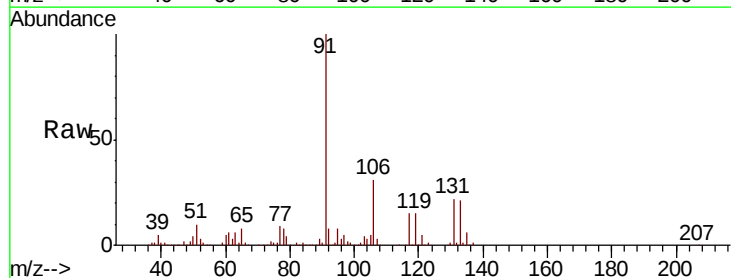
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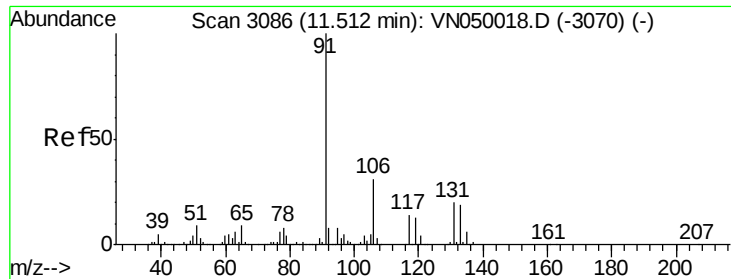
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.318 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.3	141.9
119	65.4	32.9	98.7





#67

Ethyl Benzene

Concen: 19.852 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 91 Resp: 685833

Ion Ratio Lower Upper

91 100

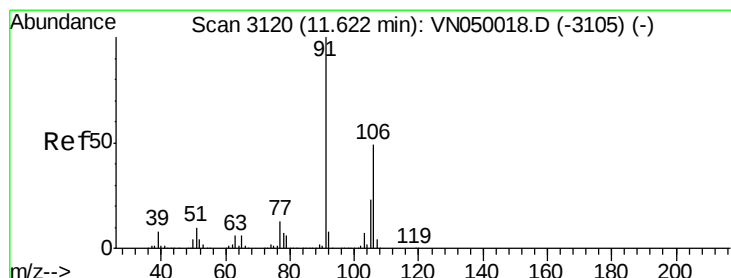
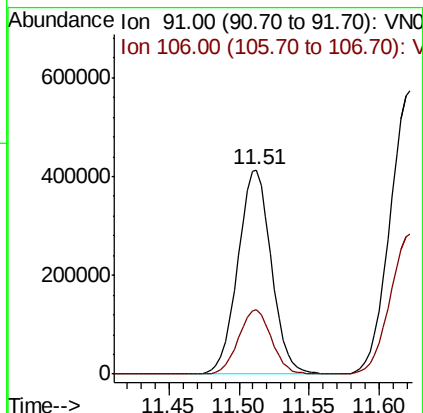
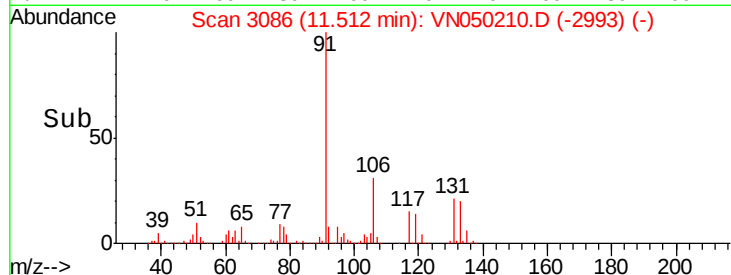
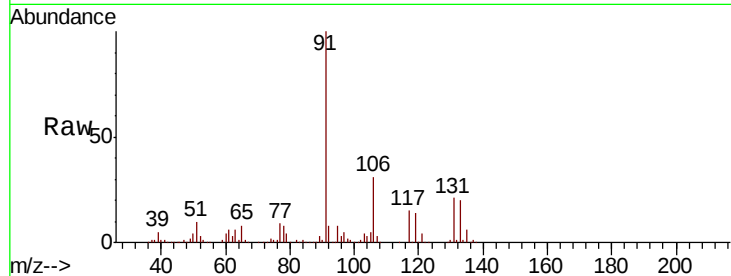
106 31.3 25.0 37.4

Manual Integrations

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MMDadoda

8/1/2018 11:14:08 AM



#68

m/p-Xylenes

Concen: 41.152 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050210.D

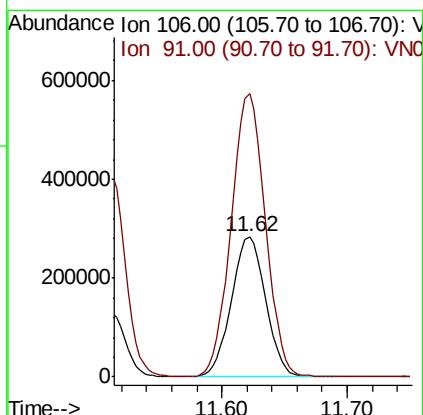
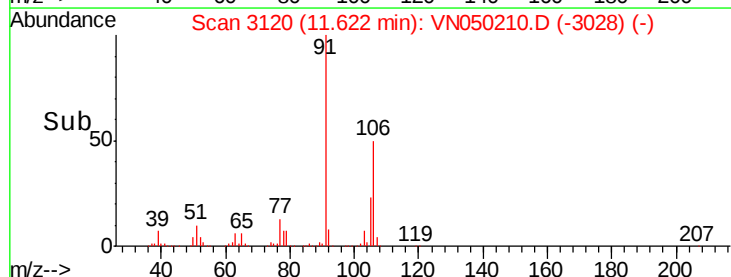
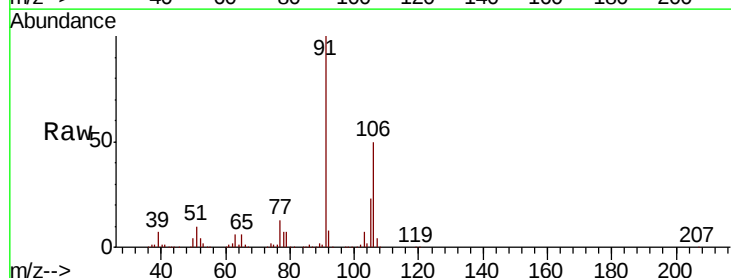
Acq: 31 Jul 2018 13:13

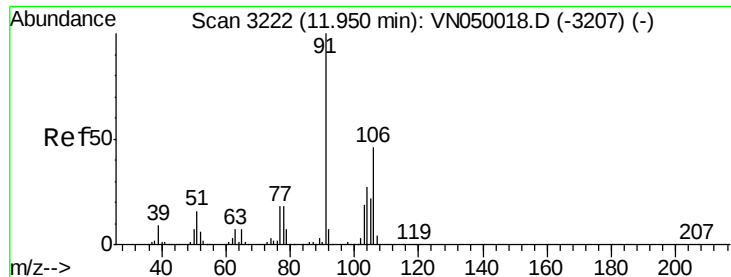
Tgt Ion: 106 Resp: 537749

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.2





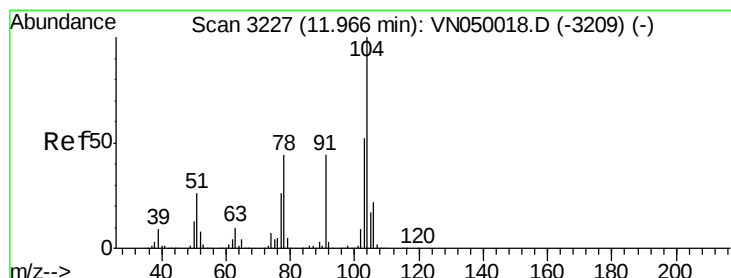
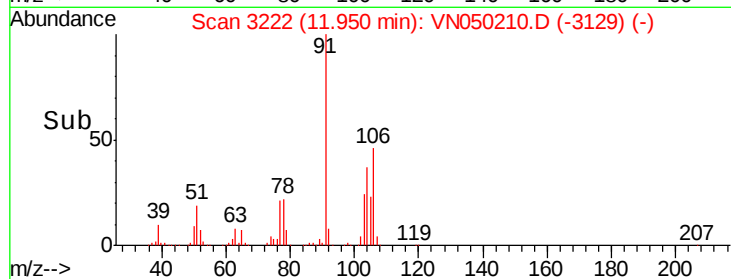
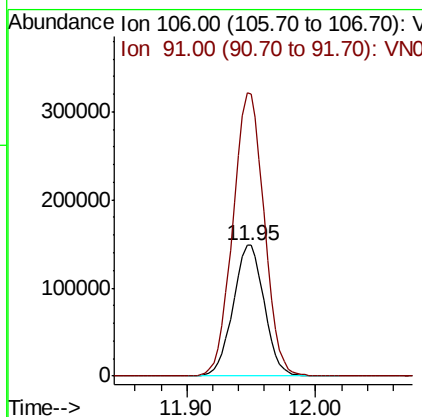
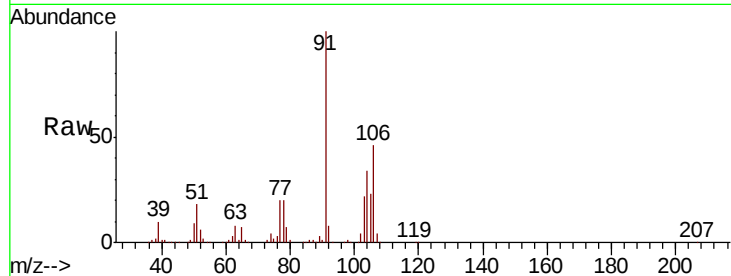
#69
o-Xylene
Concen: 19.999 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion	Ion	Ratio	Lower	Upper
249131	106	100		
	91	217.2	107.7	323.1

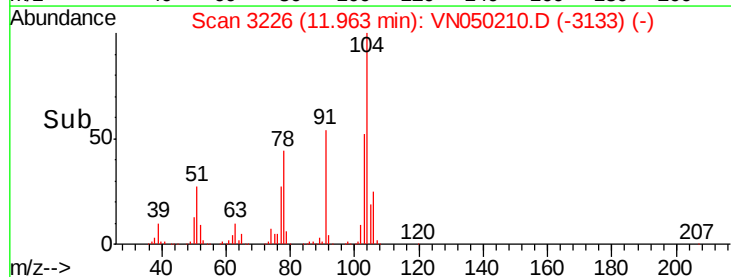
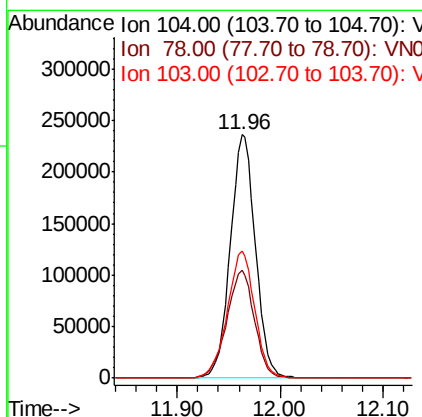
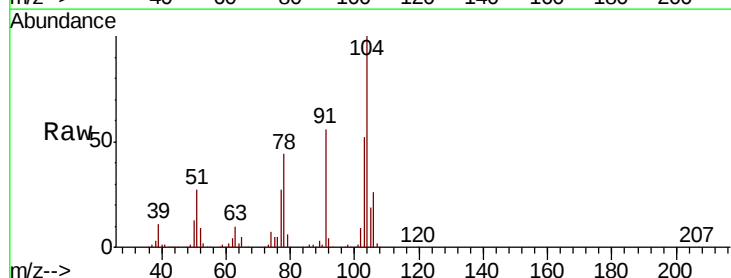
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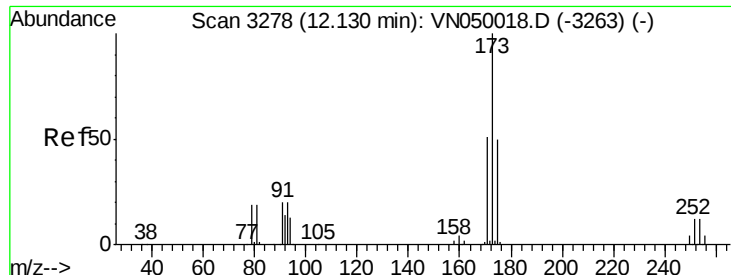
MMDadoda
8/1/2018 11:14:08 AM



#70
Styrene
Concen: 18.714 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
401564	104	100		
	78	48.9	39.3	58.9
	103	56.8	45.0	67.6





#71

Bromoform

Concen: 18.202 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

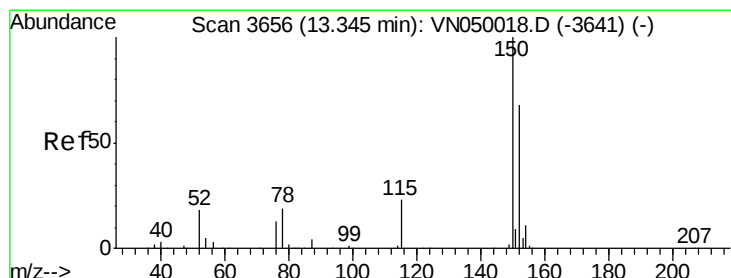
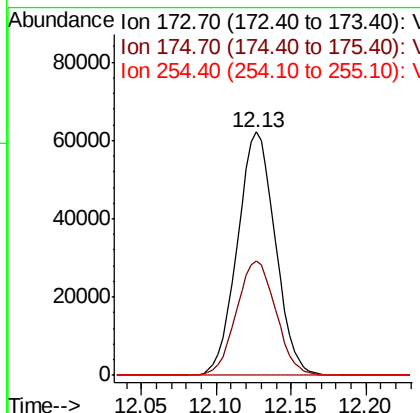
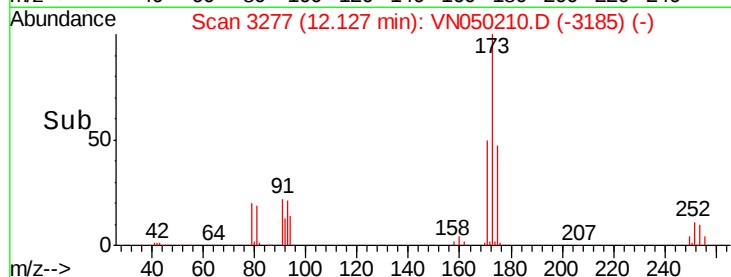
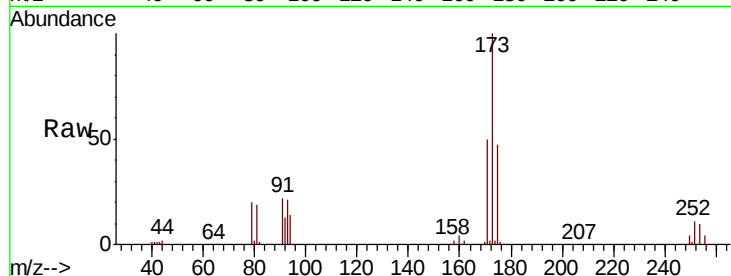
ClientSampled :

VN0731WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.2
254	0.0	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

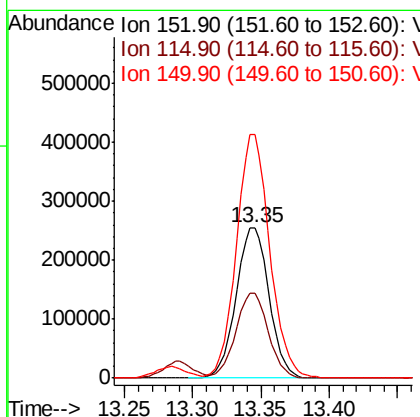
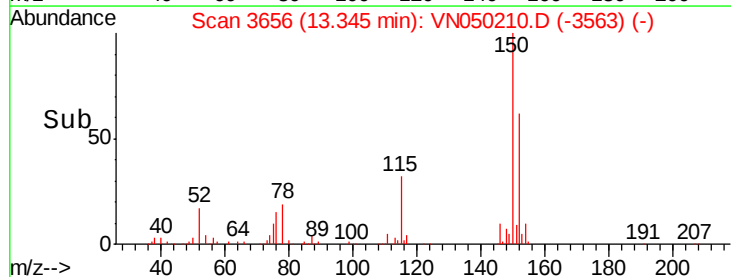
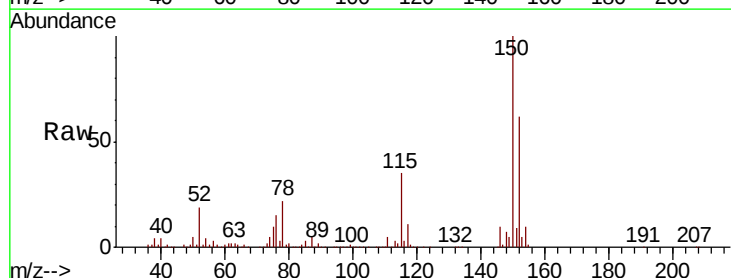
RT: 13.35 min Scan# 3656

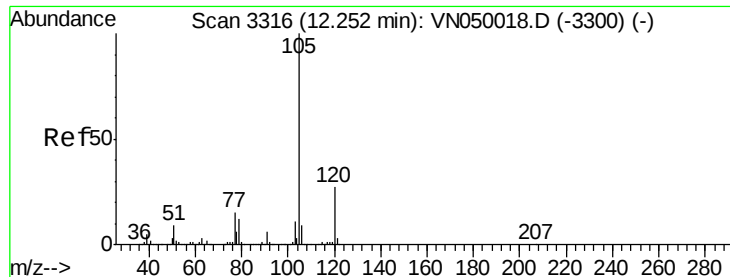
Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

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





#73

Isopropylbenzene

Concen: 20.625 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

Tot Ion: 105 Resp: 683010

Ion Ratio Lower Upper

105 100

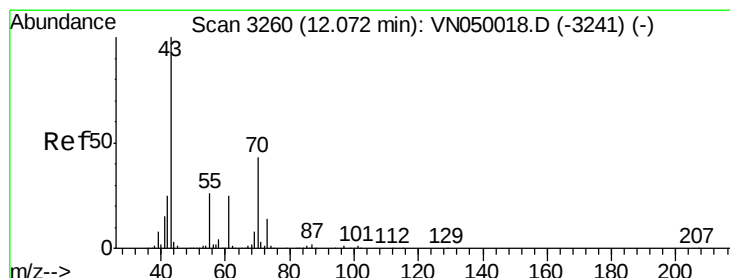
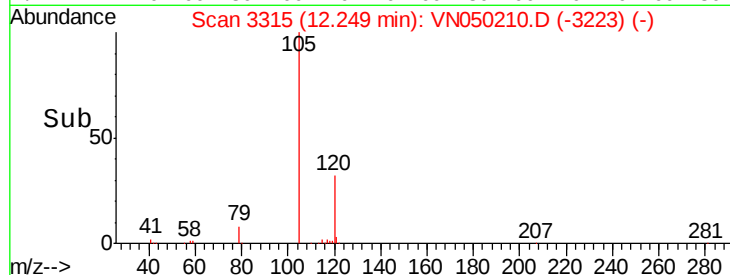
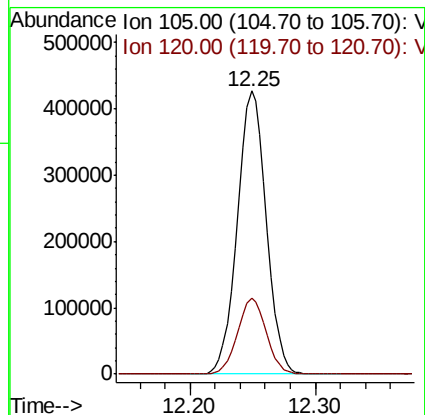
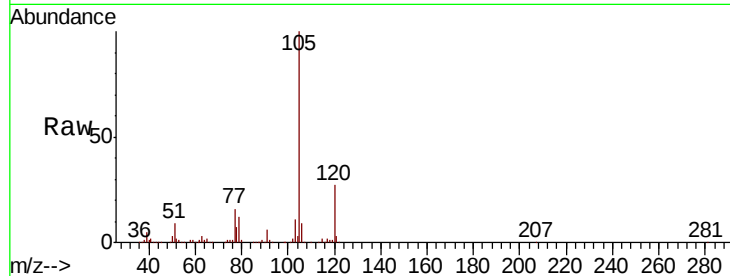
120 26.6 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.504 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion: 43 Resp: 177157

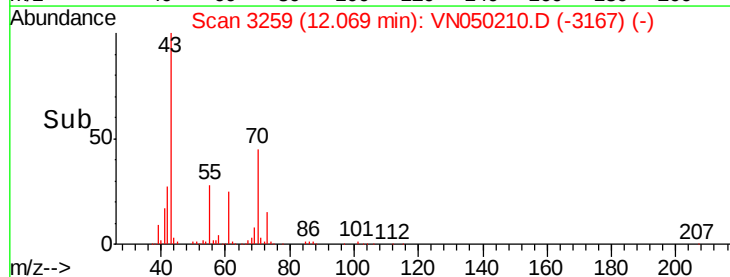
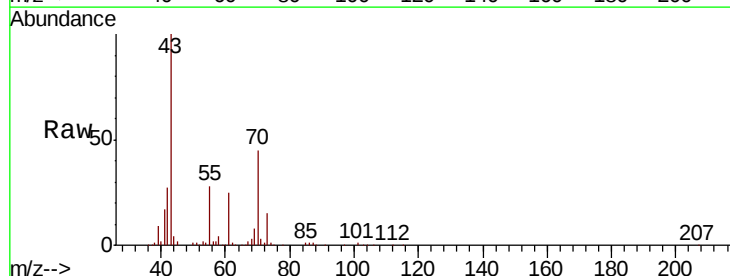
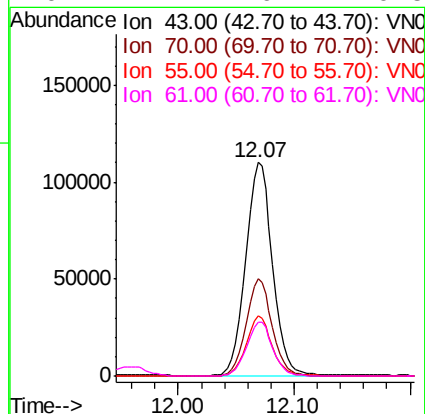
Ion Ratio Lower Upper

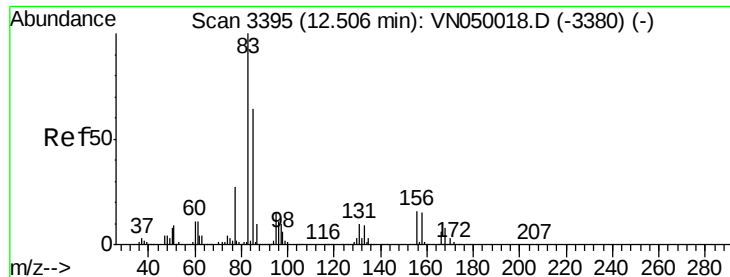
43 100

70 43.7 34.4 51.6

55 26.9 20.8 31.2

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.251 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 83 Resp: 179898

Ion Ratio Lower Upper

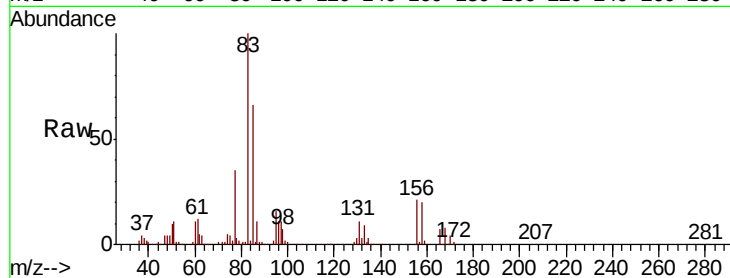
83 100

131 10.4 5.1 15.3

85 64.8 32.3 96.8

Manual Integrations
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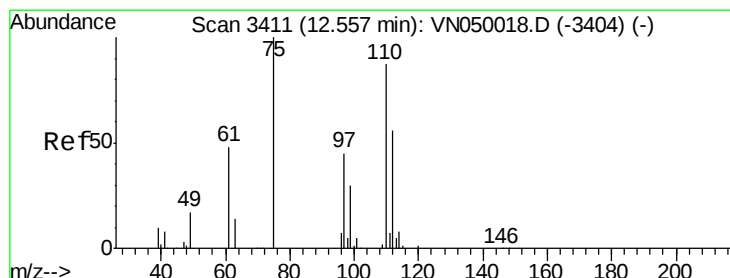
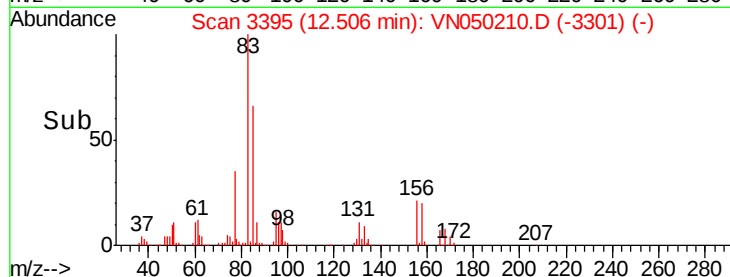
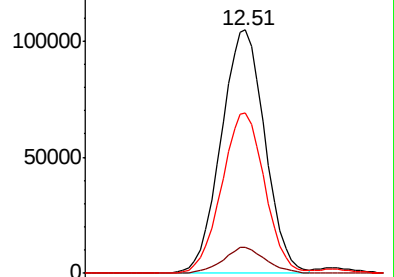
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050018.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 18.684 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050210.D

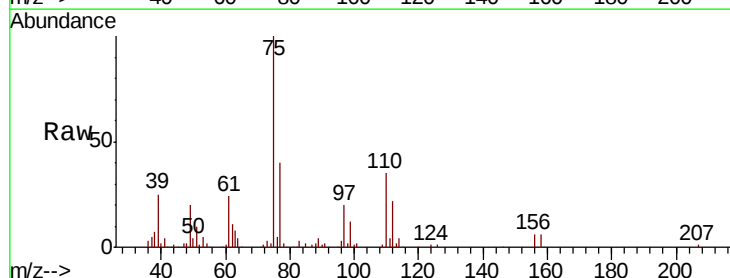
Acq: 31 Jul 2018 13:13

Tgt Ion: 75 Resp: 148265

Ion Ratio Lower Upper

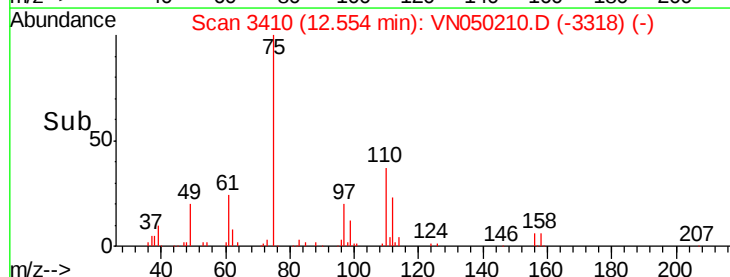
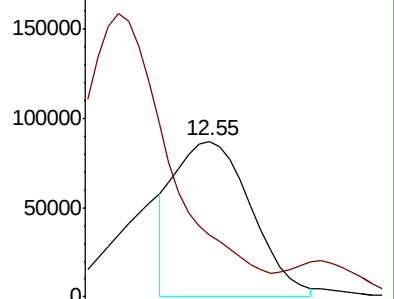
75 100

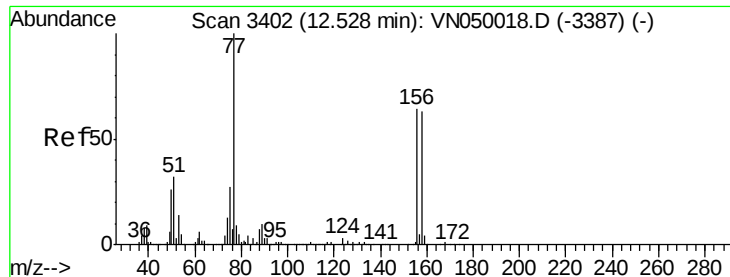
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)





#77

Bromobenzene

Concen: 19.112 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

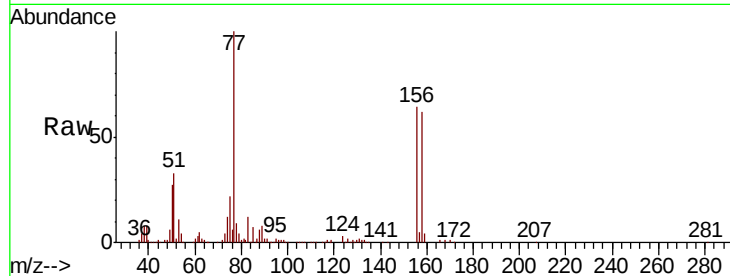
ClientSampled :

VN0731WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	184.2	91.7	275.1	
158	97.1	48.9	146.6	

Manual Integrations
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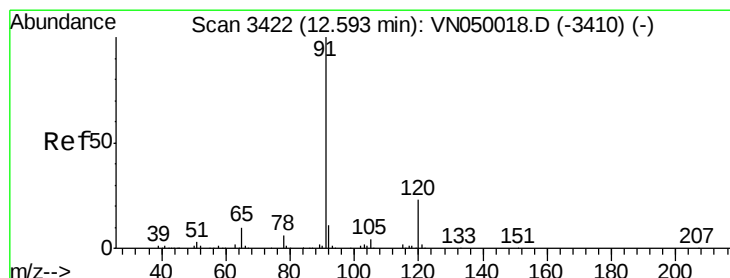
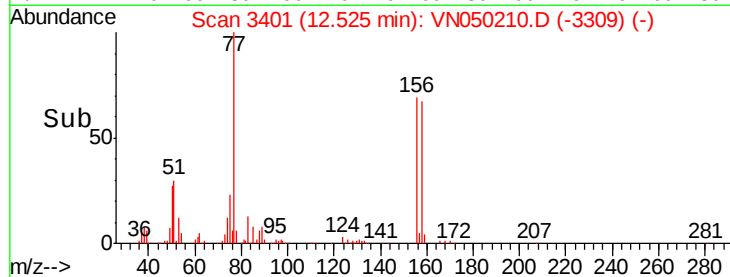
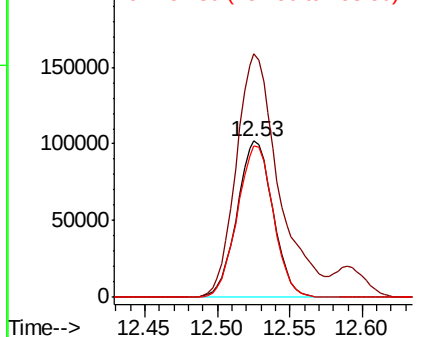


Abundance

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: 21.153 ug/l

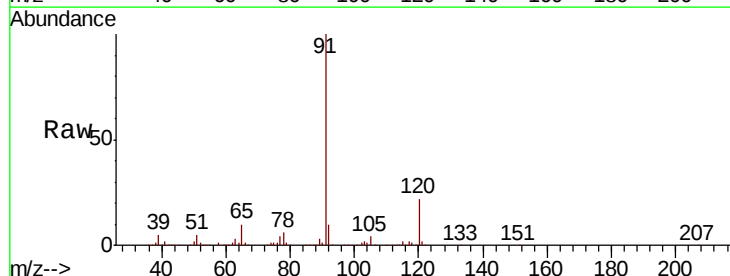
RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

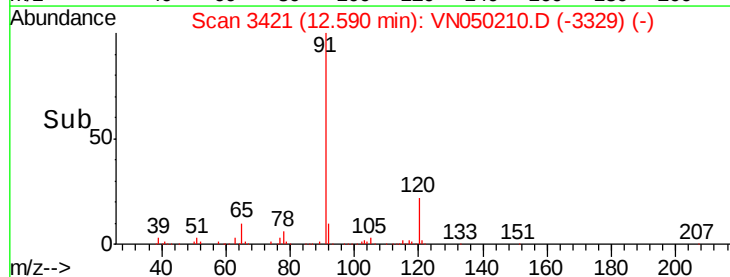
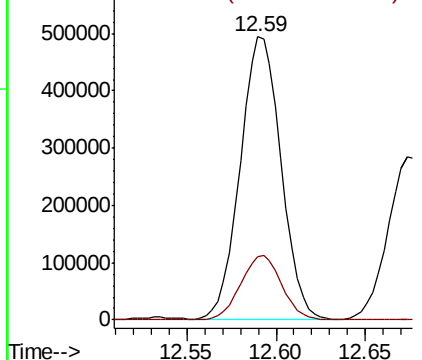
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	11.6	34.7	

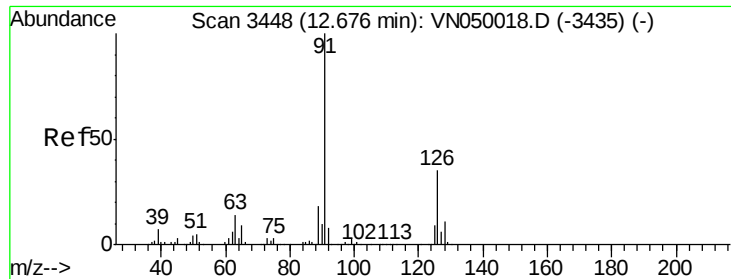


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.568 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

Tot Ion: 91 Resp: 471876

Ion Ratio Lower Upper

91 100

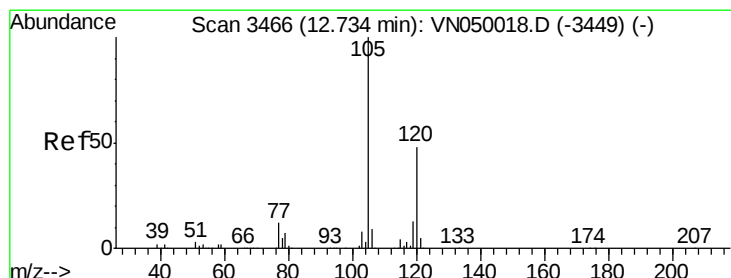
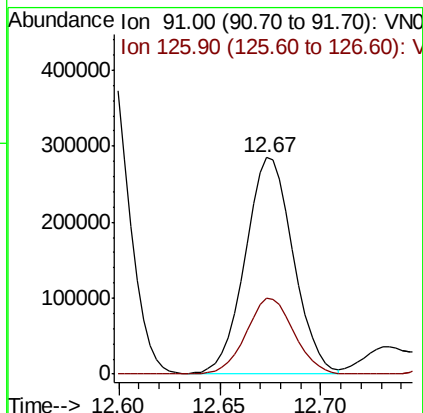
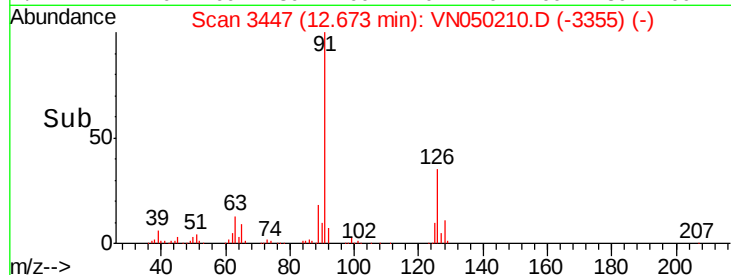
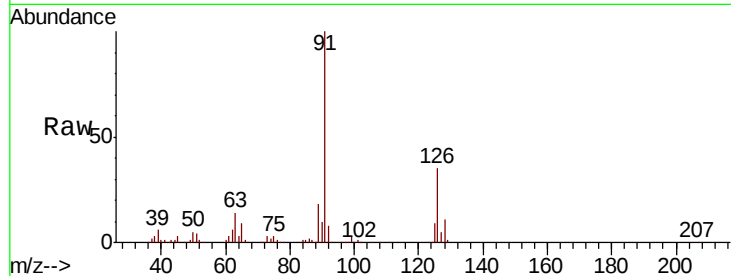
126 35.0 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 21.520 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050210.D

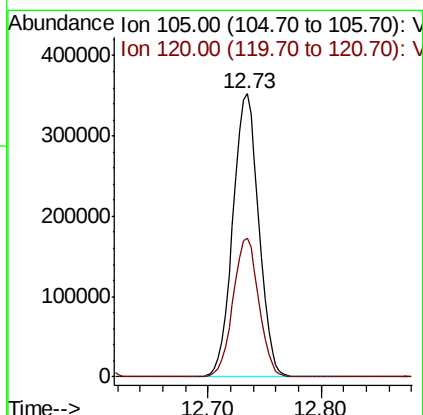
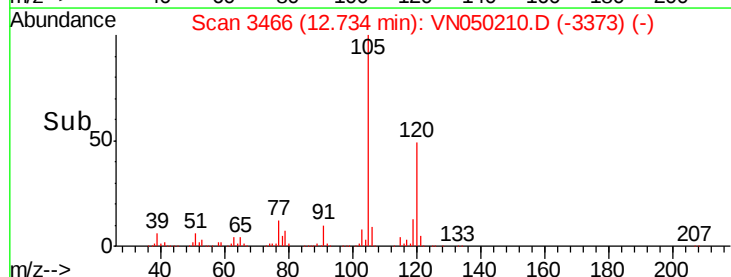
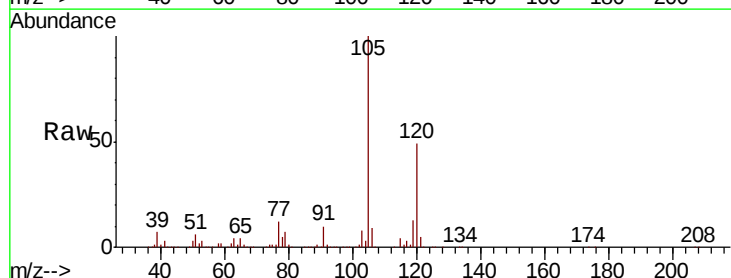
Acq: 31 Jul 2018 13:13

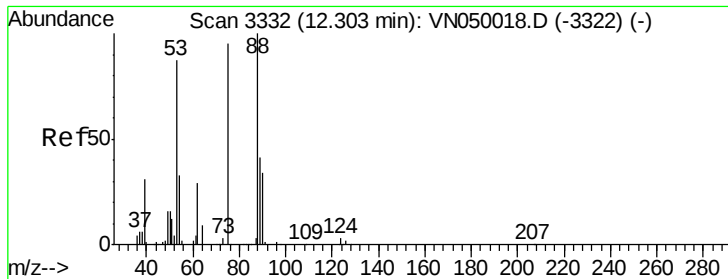
Tgt Ion: 105 Resp: 560579

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.712 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

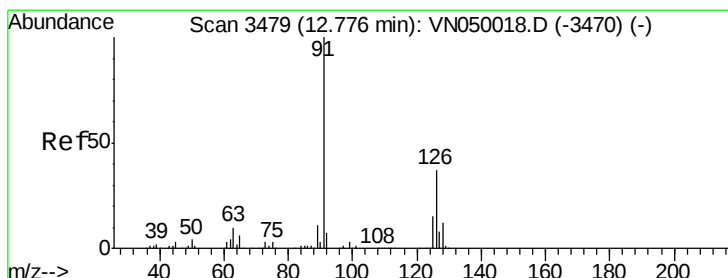
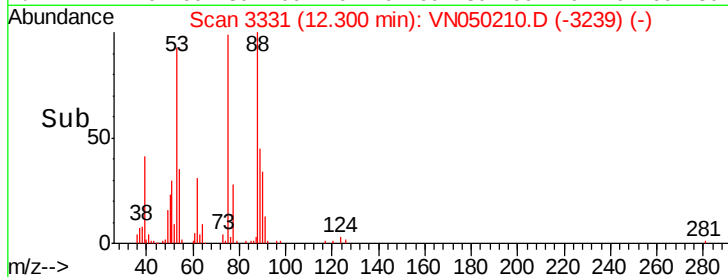
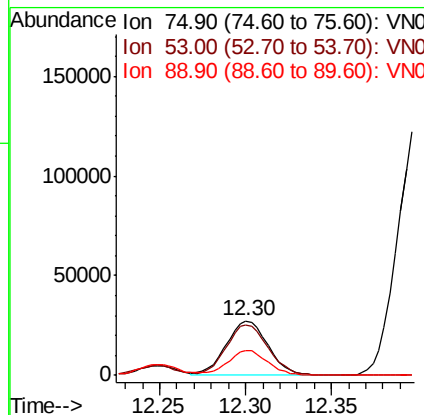
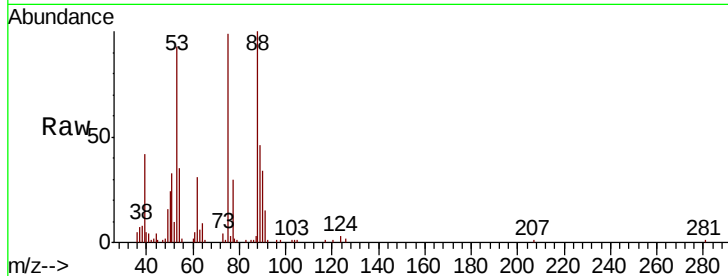
ClientSampleId :

VN0731WBS02

Tot Ion:	75	Resp:	46815
Ion	Ratio	Lower	Upper
75	100		
53	92.3	73.5	110.3
89	43.4	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.994 ug/l

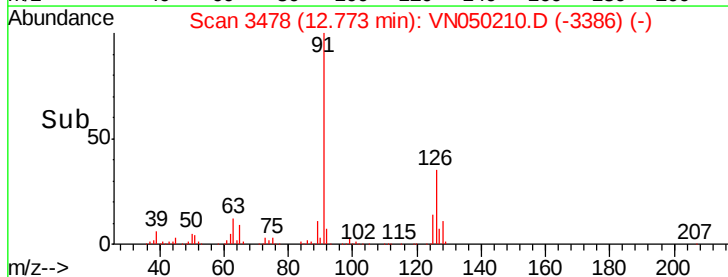
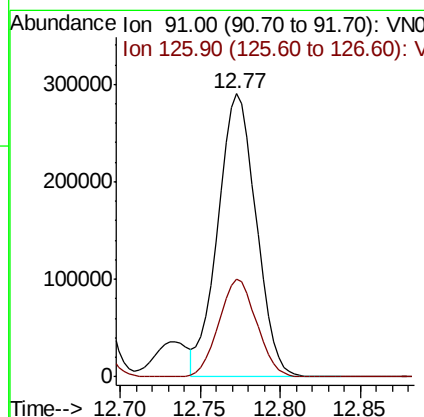
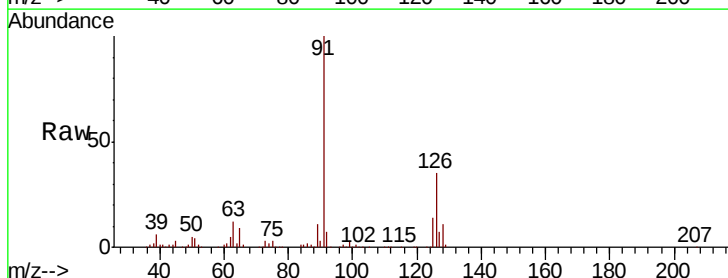
RT: 12.77 min Scan# 3478

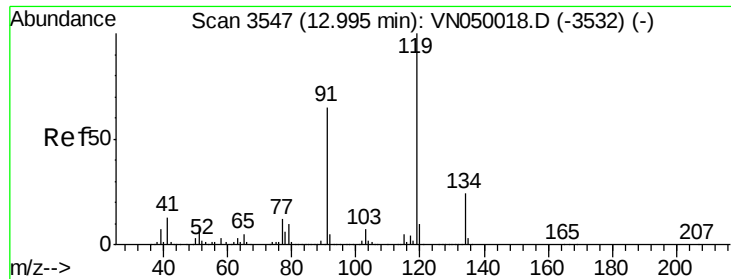
Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion:	91	Resp:	476966
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0





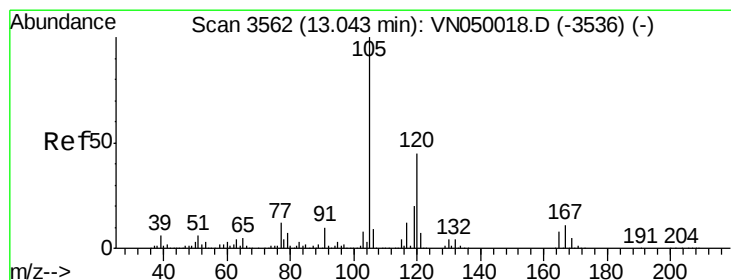
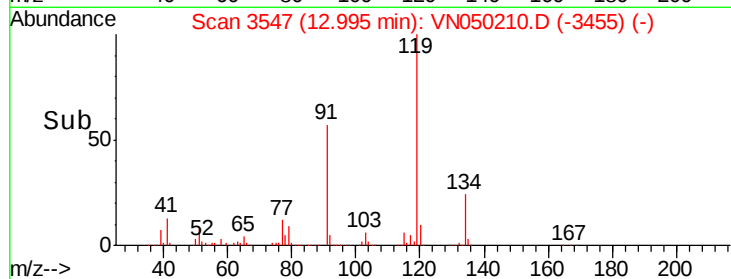
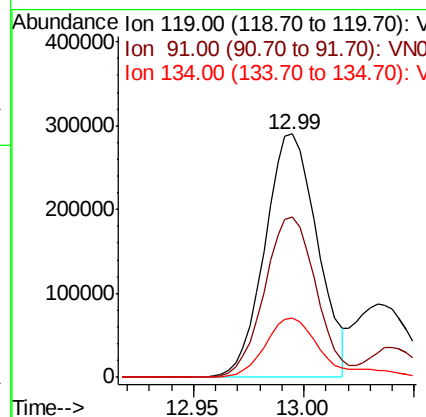
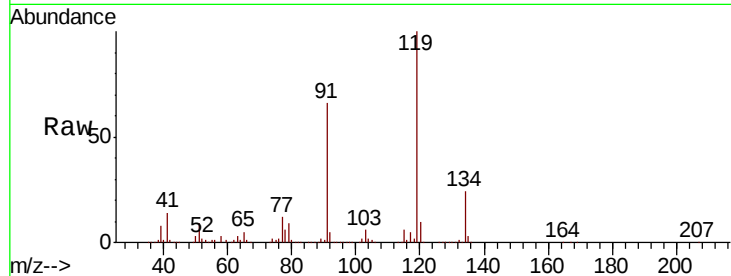
#83
 tert-Butylbenzene
 Concen: 21.020 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	477827		
91	65.5	32.1	96.3	
134	26.6	13.2	39.5	

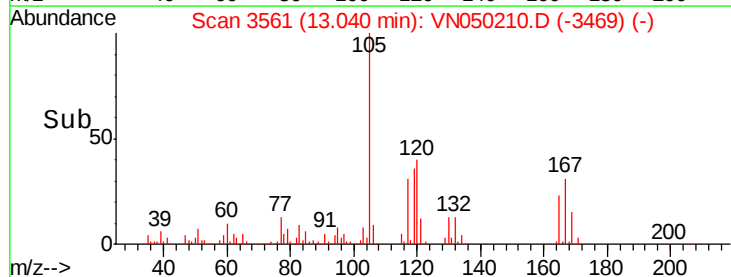
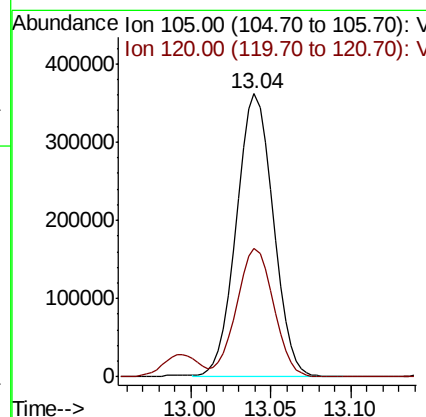
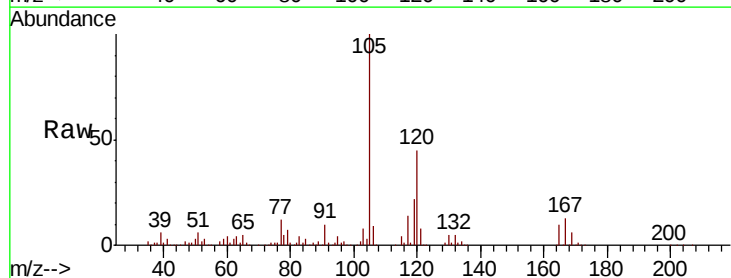
Manual Integrations
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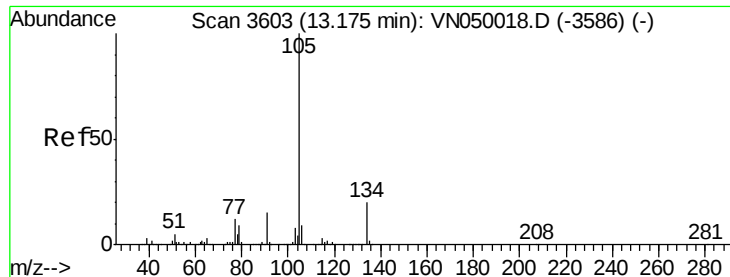
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.549 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	565773		
120	45.8	22.9	68.7	





#85

sec-Butylbenzene

Concen: 21.271 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

Tot Ion:105 Resp: 646080

Ion Ratio Lower Upper

105 100

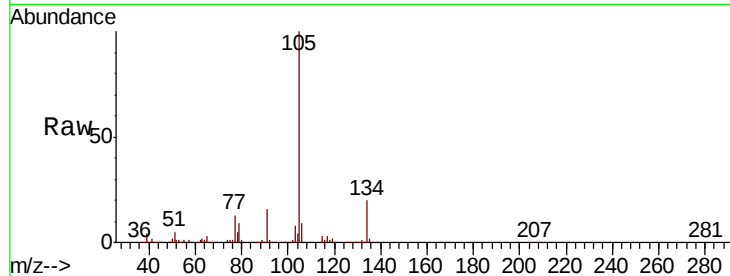
134 19.9 10.1 30.1

Manual Integrations

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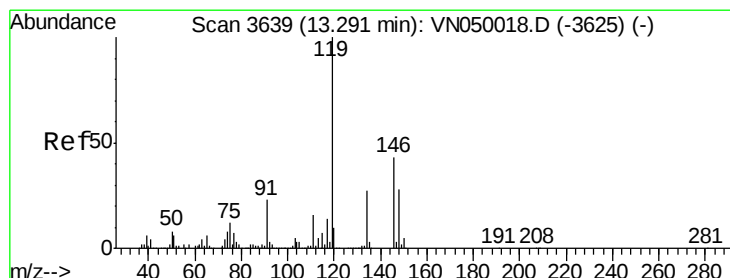
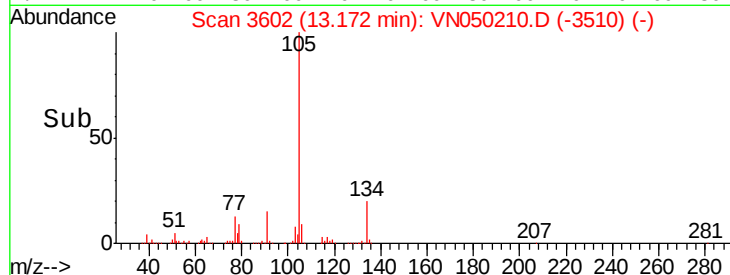
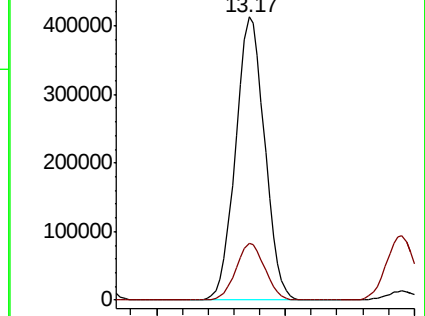
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.303 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

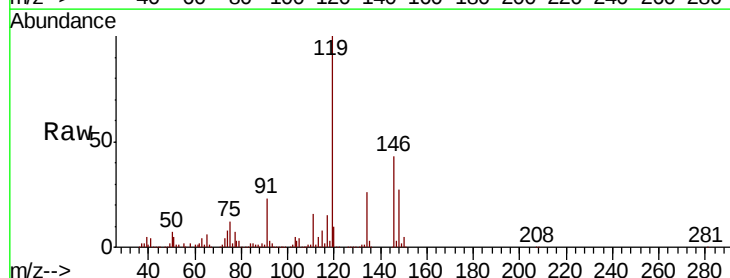
Tgt Ion:119 Resp: 545230

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

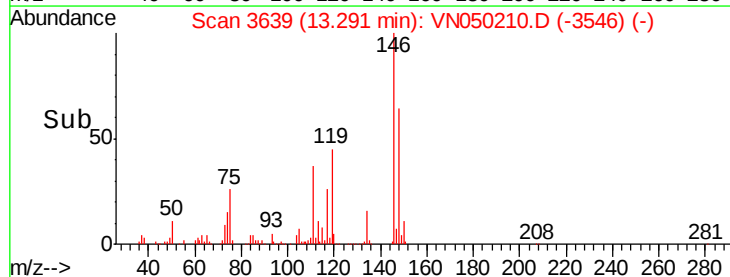
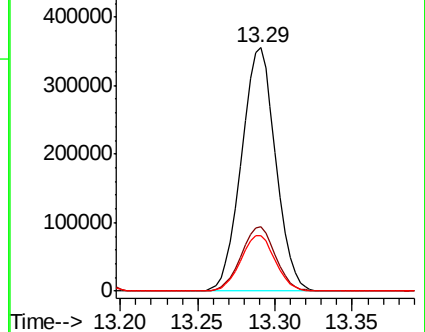
91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





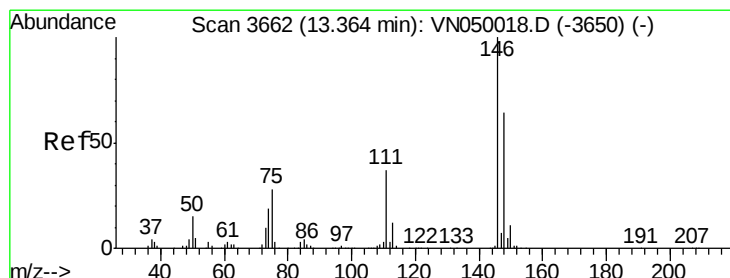
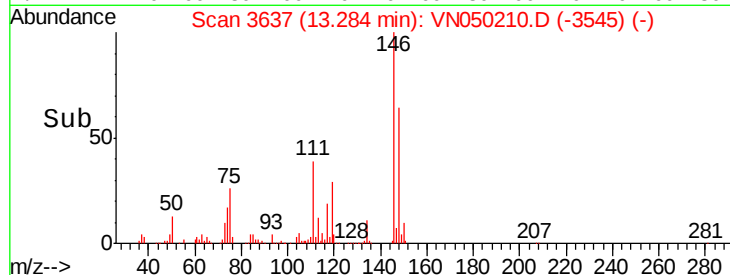
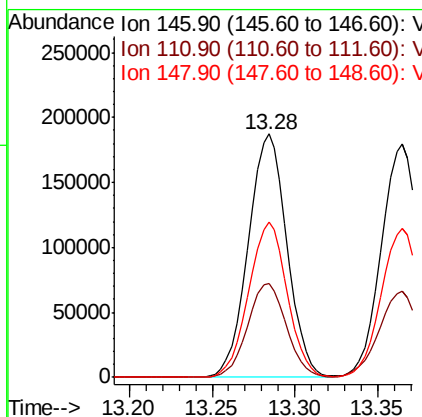
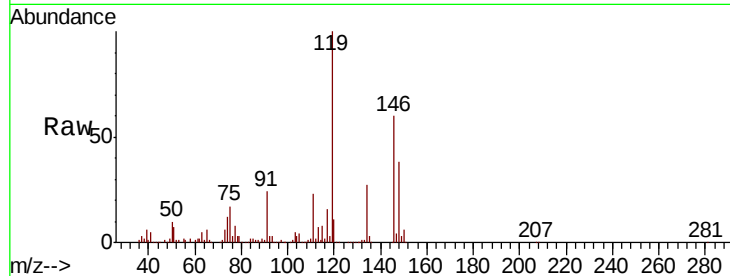
#87
 1,3-Dichlorobenzene
 Concen: 19.573 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.8	56.4
148	63.4	31.9	95.9

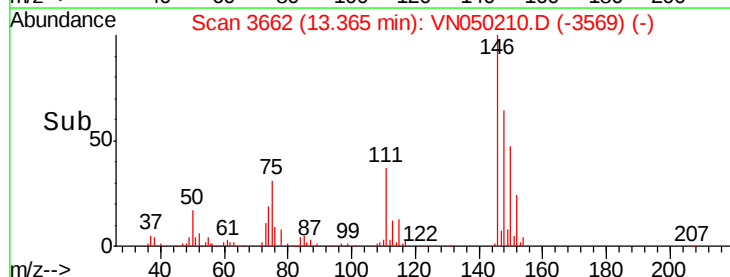
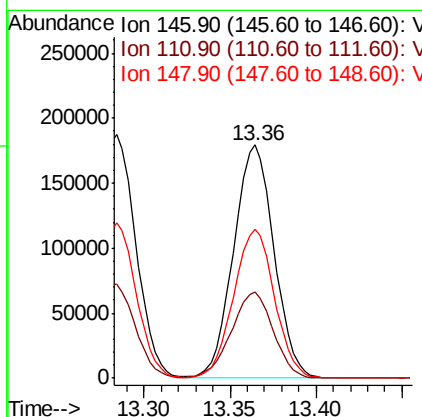
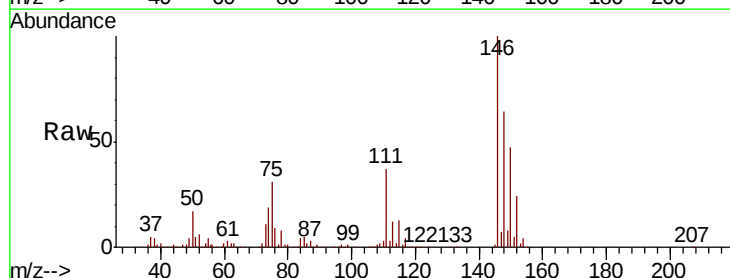
Manual Integrations
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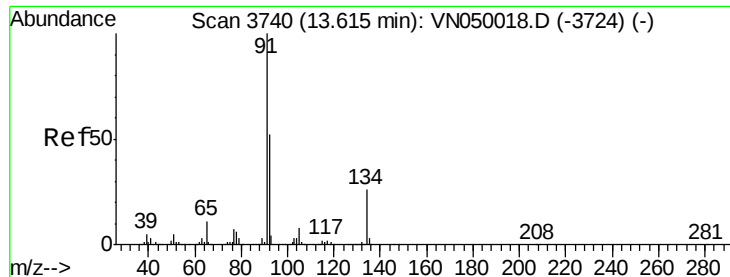
MMDadoda
 8/1/2018 11:14:08 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.257 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.3	54.9
148	64.8	31.9	95.9





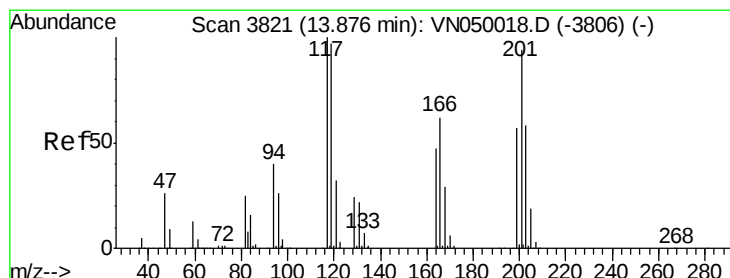
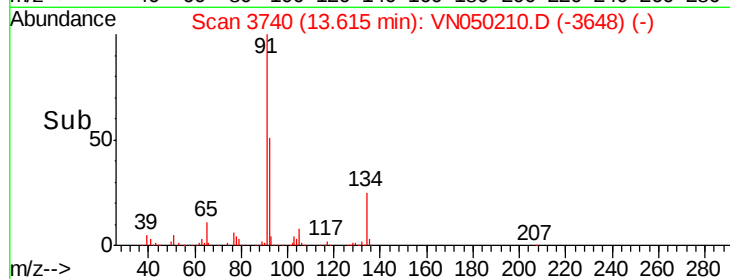
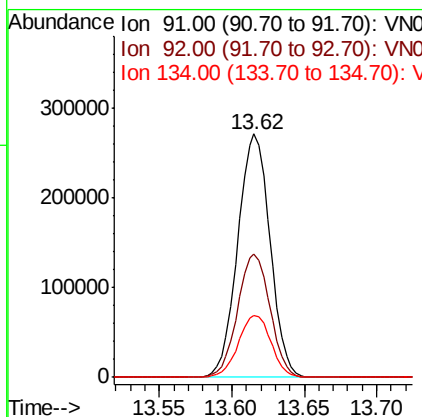
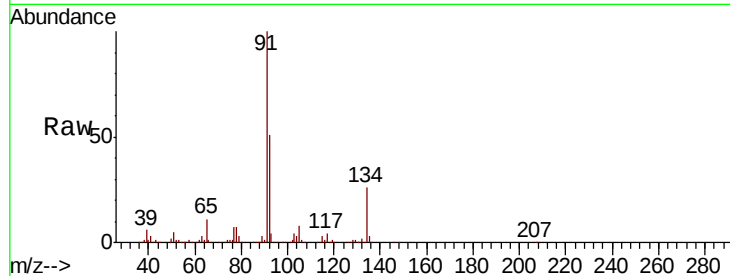
#89
n-Butylbenzene
Concen: 19.976 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.4
134	25.7	12.8	38.4

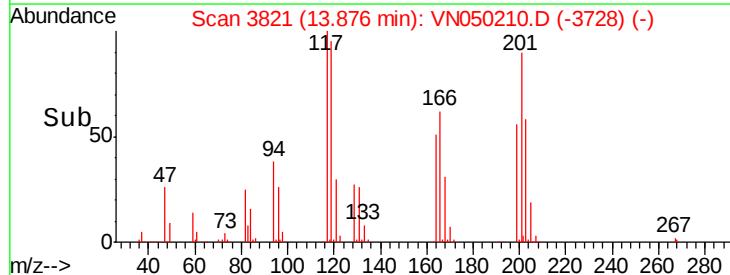
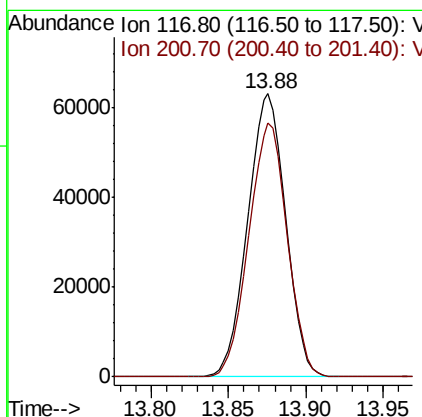
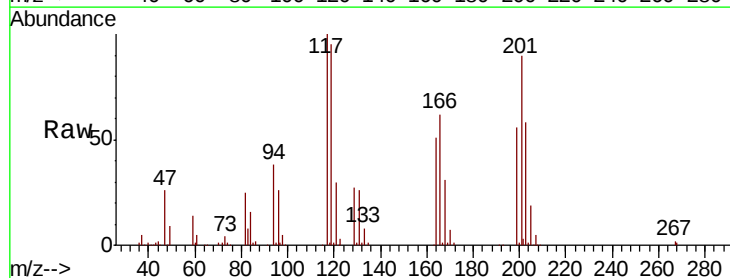
Manual Integrations
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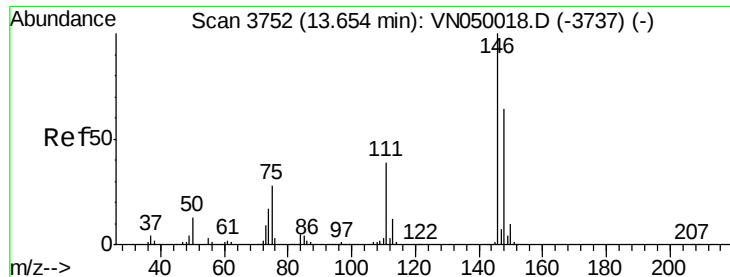
MMDadoda
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#90
Hexachloroethane
Concen: 19.016 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.266 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

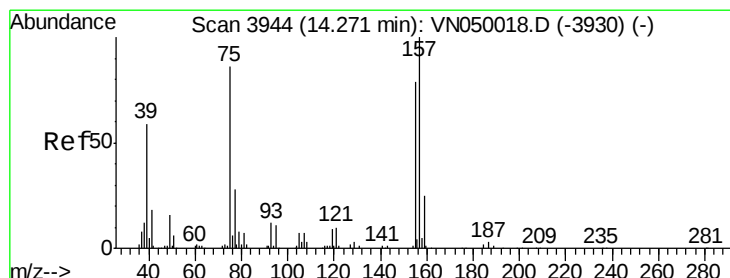
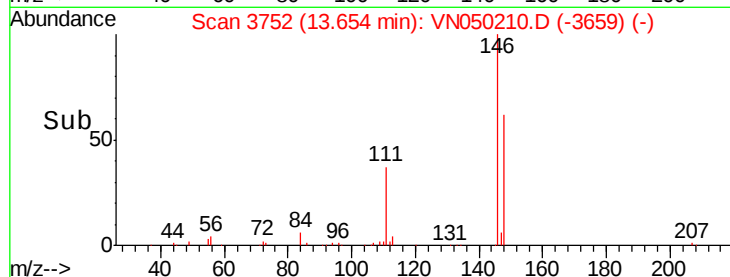
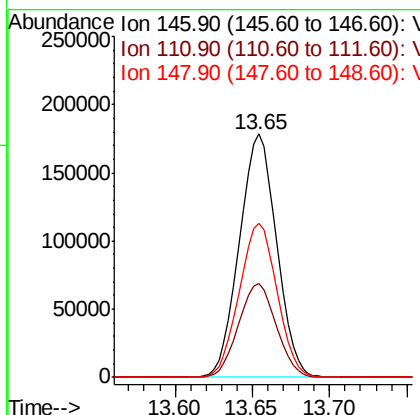
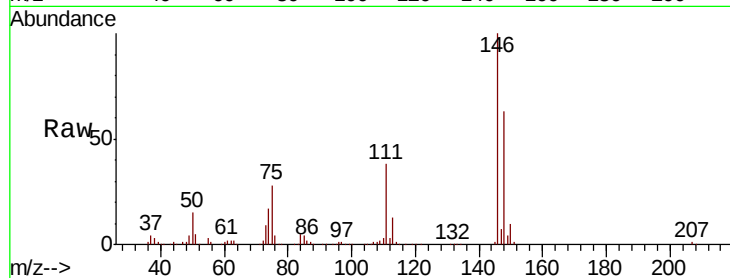
ClientSampled :

VN0731WBS02

Tot Ion:	146	Resp:	299659
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.6	58.7
148	64.2	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.842 ug/l

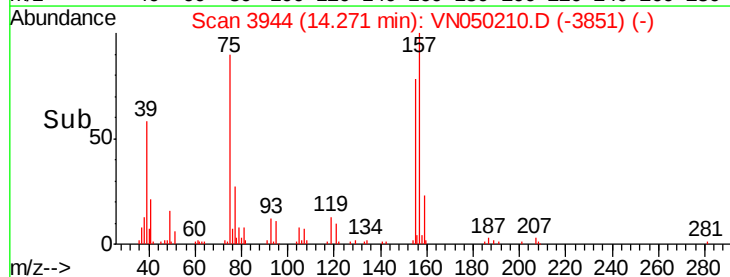
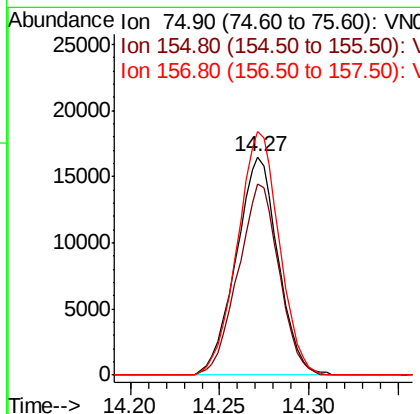
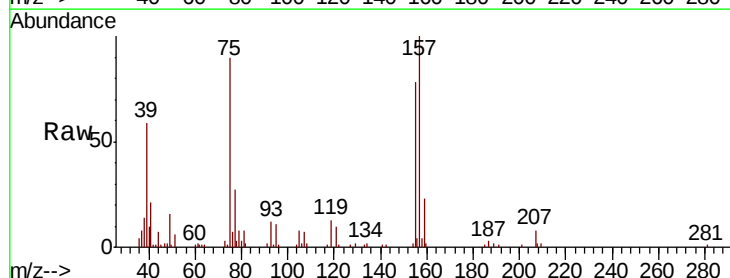
RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion:	75	Resp:	27096
Ion Ratio	Lower	Upper	
75	100		
155	85.4	44.8	134.4
157	111.4	57.2	171.6





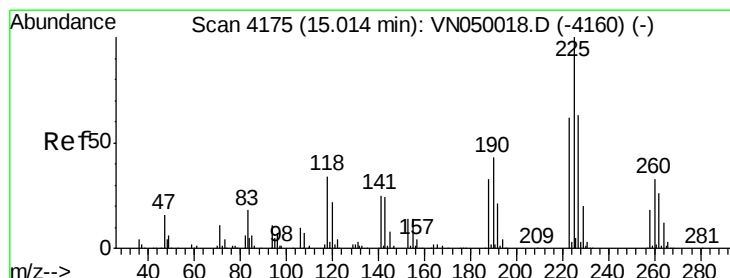
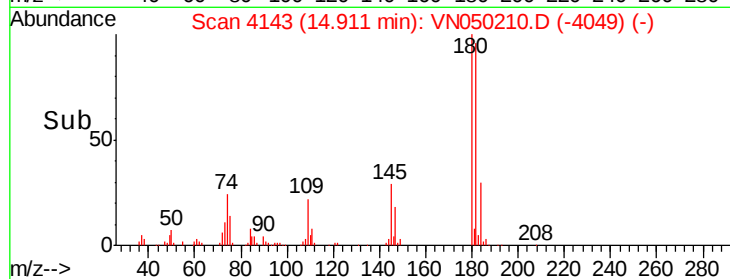
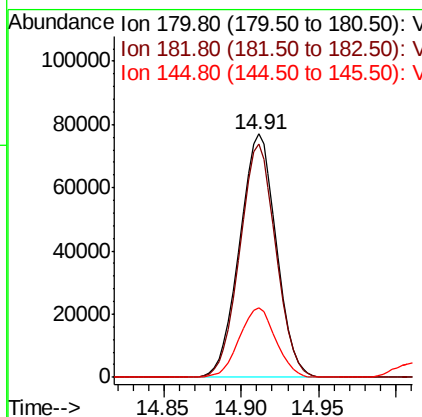
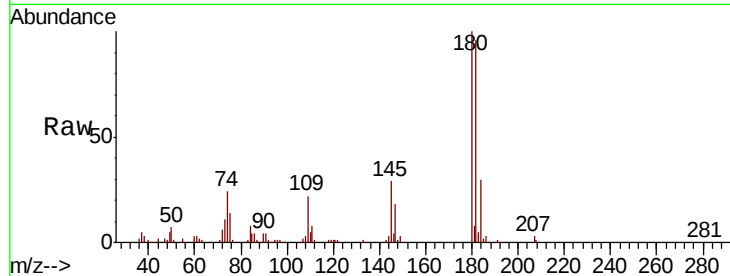
#93
 1,2,4-Trichlorobenzene
 Concen: 17.556 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.7	140.1
145	28.3	13.8	41.4

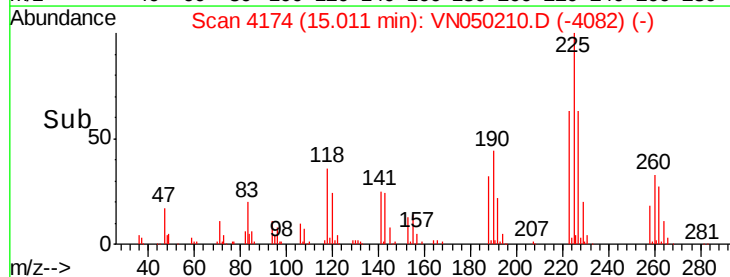
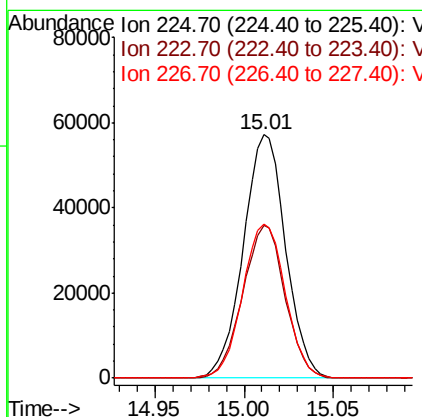
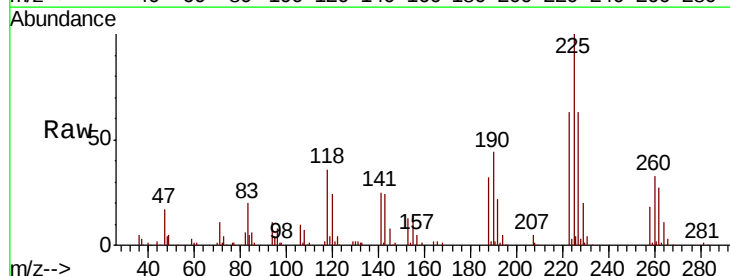
Manual Integrations
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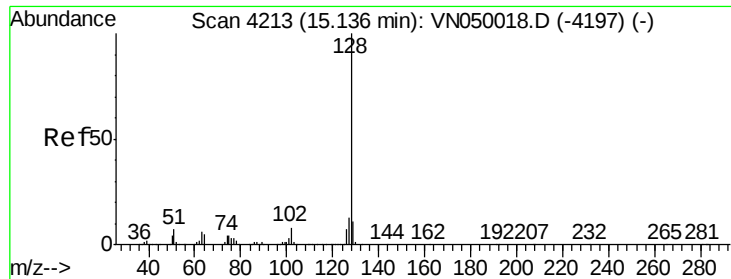
MMDadoda
 8/1/2018 11:14:08 AM



#94
 Hexachlorobutadiene
 Concen: 19.882 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.2
227	64.0	32.1	96.5





#95

Naphthalene

Concen: 15.856 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

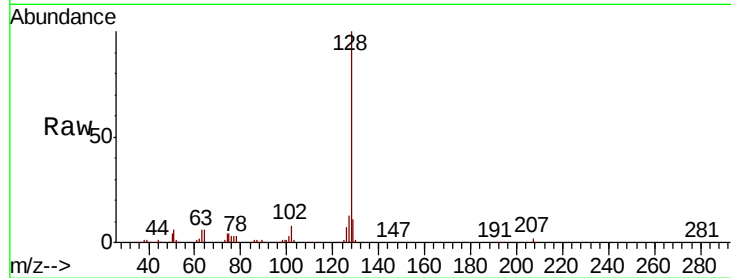
ClientSampleId :

VN0731WBS02

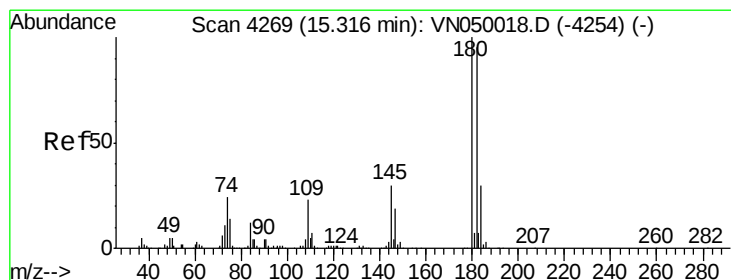
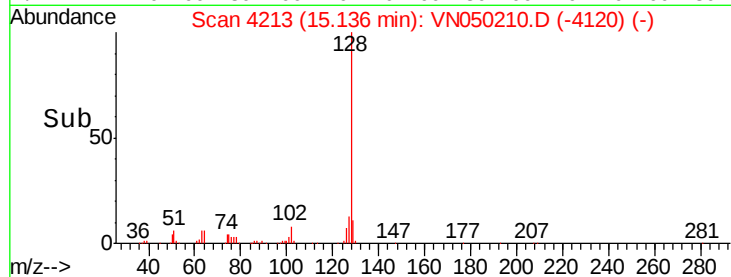
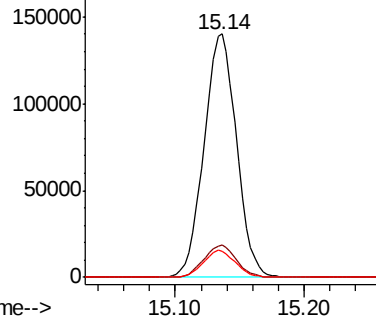
Tot Ion:	128	Resp:	244706
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.842 ug/l

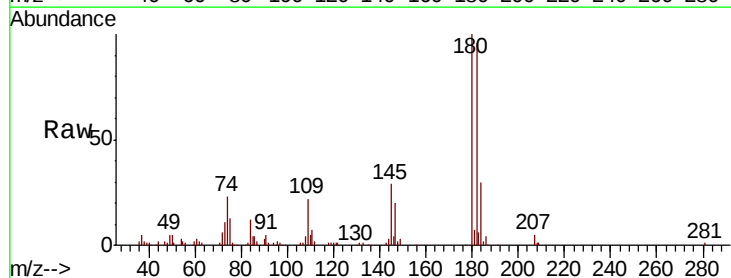
RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion:	180	Resp:	131418
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.1	144.4
145	30.1	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

