

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051092.D
 Acq On : 10 Sep 2018 21:54
 Operator : MD\SY
 Sample : VN0910MBS02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:22 AM

Quant Time: Sep 11 04:57:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	661401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	393971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	374495	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.59	113	362887	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	1360860	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	426276	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119970	18.81	ug/l	96
3) Chloromethane	2.06	50	165893	19.81	ug/l	100
4) Vinyl Chloride	2.18	62	169968	19.41	ug/l	99
5) Bromomethane	2.57	94	102772	20.22	ug/l	99
6) Chloroethane	2.70	64	102600	18.99	ug/l	97
7) Trichlorofluoromethane	3.01	101	224912	19.39	ug/l	99
8) Diethyl Ether	3.41	74	79874	18.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141120	18.87	ug/l	99
10) Methyl Iodide	3.95	142	116431	20.40	ug/l	100
11) Tert butyl alcohol	4.79	59	53242	94.70	ug/l	97
12) 1,1-Dichloroethene	3.74	96	130526	18.50	ug/l	98
13) Acrolein	3.61	56	62075	105.96	ug/l	100
14) Allyl chloride	4.32	41	196076	18.24	ug/l	99
15) Acrylonitrile	4.99	53	245054	98.37	ug/l	99
16) Acetone	3.82	43	158760	83.34	ug/l	99
17) Carbon Disulfide	4.05	76	387077	18.69	ug/l	98
18) Methyl Acetate	4.33	43	107429	18.23	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	359972	19.30	ug/l	99
20) Methylene Chloride	4.55	84	151917	18.68	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	140410	18.35	ug/l	98
22) Diisopropyl ether	5.95	45	430457	20.17	ug/l	98
23) Vinyl Acetate	5.90	43	1402215	97.11	ug/l	99
24) 1,1-Dichloroethane	5.85	63	262712	19.41	ug/l	99
25) 2-Butanone	6.84	43	256881	88.77	ug/l	98
26) 2,2-Dichloropropane	6.83	77	187172	16.89	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160457	19.11	ug/l	98
28) Bromochloromethane	7.20	49	113303	18.80	ug/l	100
29) Tetrahydrofuran	7.22	42	179736	99.46	ug/l	100
30) Chloroform	7.37	83	263536	19.57	ug/l	100
31) Cyclohexane	7.65	56	234818	19.31	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	221955	19.34	ug/l	99
36) 1,1-Dichloropropene	7.79	75	195883	18.77	ug/l	99
37) Ethyl Acetate	6.93	43	120386	19.92	ug/l	99
38) Carbon Tetrachloride	7.78	117	196796	19.16	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	211744	18.39	ug/l	96
40) Benzene	8.04	78	613339	19.51	ug/l	100
41) Methacrylonitrile	7.18	41	62041	19.90	ug/l	92
42) 1,2-Dichloroethane	8.13	62	180364	19.68	ug/l	99
43) Isopropyl Acetate	8.17	43	210602	19.75	ug/l	100
44) Trichloroethene	8.84	130	162324	18.87	ug/l	98
45) 1,2-Dichloropropane	9.12	63	158105	19.46	ug/l	97
46) Dibromomethane	9.21	93	94478	19.06	ug/l	99
47) Bromodichloromethane	9.40	83	195462	19.39	ug/l	98
48) Methyl methacrylate	9.20	41	100274	19.30	ug/l	100
49) 1,4-Dioxane	9.20	88	32515	399.03	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	597236	101.28	ug/l	99
52) Toluene	10.16	92	377335	19.68	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	184685	18.31	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	220886	18.67	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138834	19.93	ug/l	99
56) Ethyl methacrylate	10.43	69	164463	19.19	ug/l	99
57) 1,3-Dichloropropane	10.71	76	228914	19.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	331440	94.45	ug/l	99
59) 2-Hexanone	10.75	43	374804	93.72	ug/l	98
60) Dibromochloromethane	10.90	129	152523	19.43	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132052	19.40	ug/l	100
64) Tetrachloroethene	10.63	164	149417	19.17	ug/l	98
65) Chlorobenzene	11.43	112	407206	18.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150579	19.42	ug/l	99
67) Ethyl Benzene	11.51	91	671478	19.26	ug/l	99
68) m/p-Xylenes	11.62	106	527121	39.35	ug/l	99
69) o-Xylene	11.95	106	252707	19.48	ug/l	98
70) Styrene	11.96	104	401019	19.93	ug/l	100
71) Bromoform	12.13	173	106269	19.47	ug/l #	99
73) Isopropylbenzene	12.25	105	667938	20.22	ug/l	99
74) N-amyl acetate	12.07	43	156173	18.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	172295	21.83	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	143951m	22.76	ug/l	
77) Bromobenzene	12.53	156	170472	19.21	ug/l	99
78) n-propylbenzene	12.59	91	720275	19.83	ug/l	99
79) 2-Chlorotoluene	12.67	91	438551	19.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	536959	20.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37803	18.22	ug/l	98
82) 4-Chlorotoluene	12.77	91	430672	19.11	ug/l	99
83) tert-Butylbenzene	12.99	119	465031	19.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	537515	20.47	ug/l	100
85) sec-Butylbenzene	13.17	105	598258	19.78	ug/l	99
86) p-Isopropyltoluene	13.29	119	511887	19.96	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274512	18.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	266202	19.26	ug/l	99
89) n-Butylbenzene	13.62	91	357875	17.93	ug/l	99
90) Hexachloroethane	13.88	117	96662	20.34	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	269847	18.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22363	20.21	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97623	16.65	ug/l	98
94) Hexachlorobutadiene	15.01	225	86979	19.26	ug/l	99
95) Naphthalene	15.13	128	188150	16.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	106275	17.71	ug/l	98

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

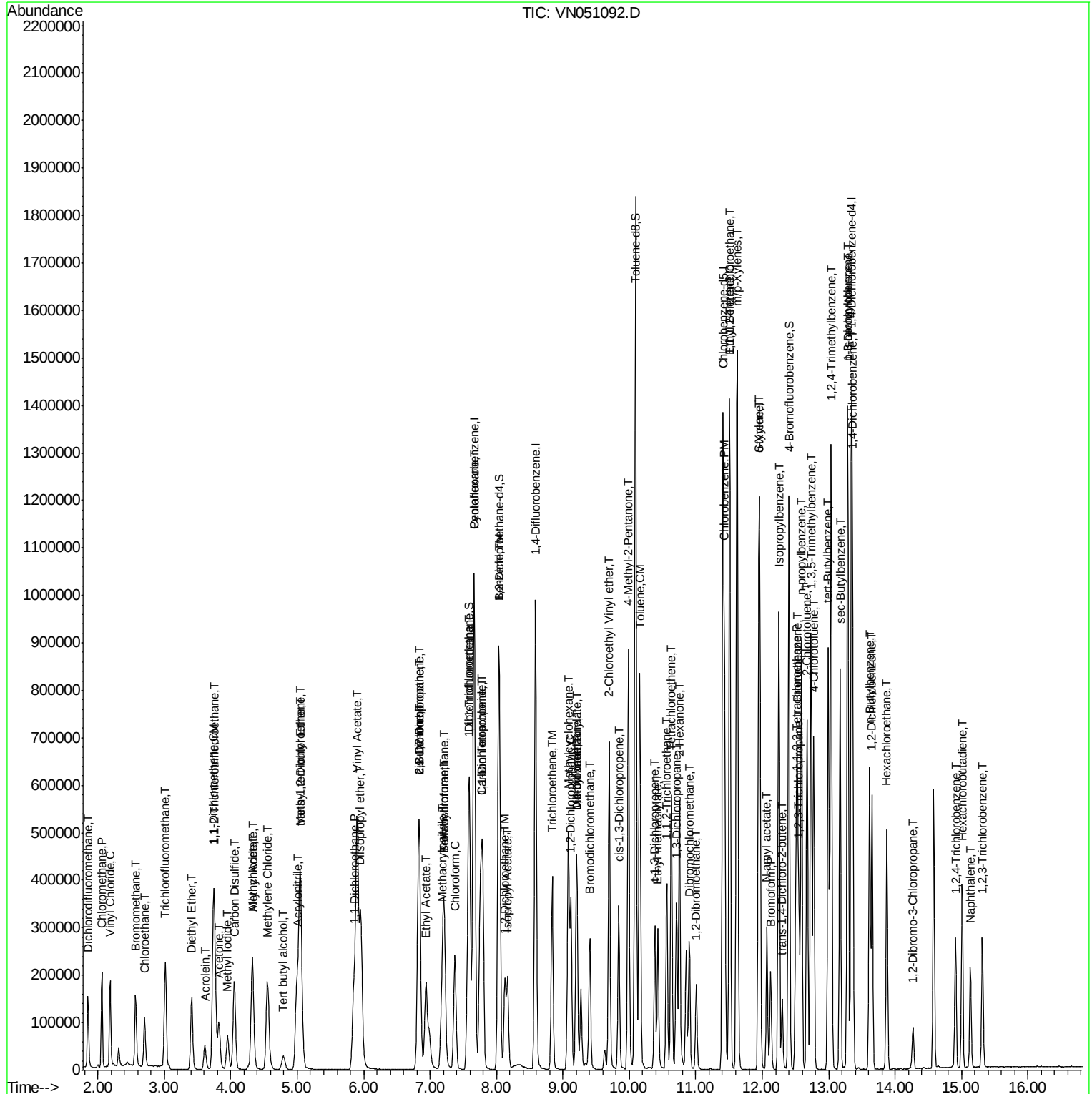
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
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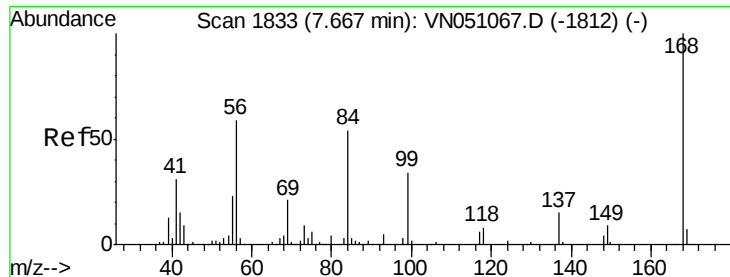
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

Tot Ion:168 Resp: 661401

Ion Ratio Lower Upper

168 100

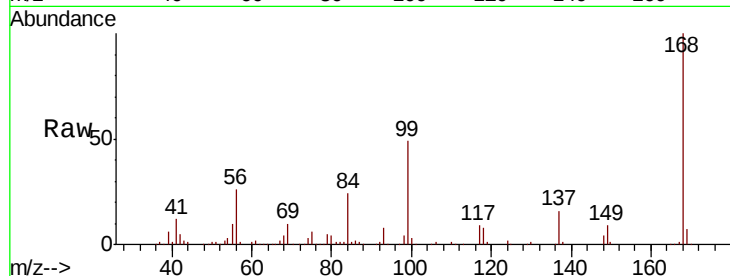
99 48.3 38.3 57.5

Manual Integrations

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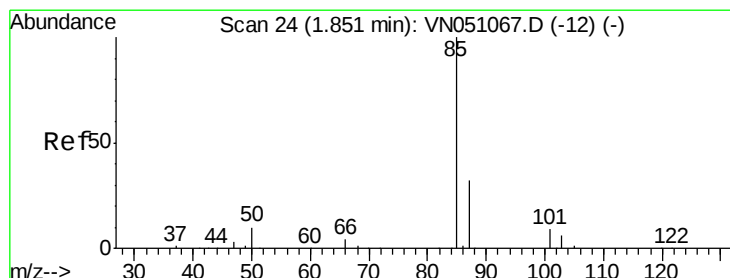
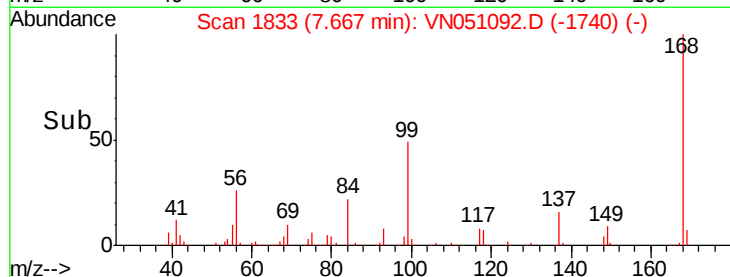
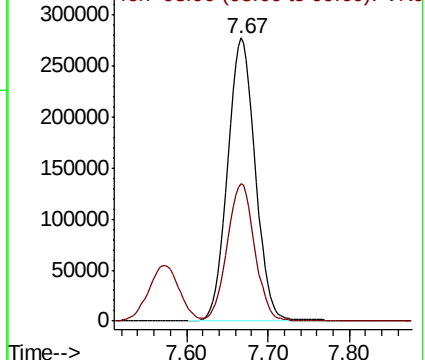
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.81 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051092.D

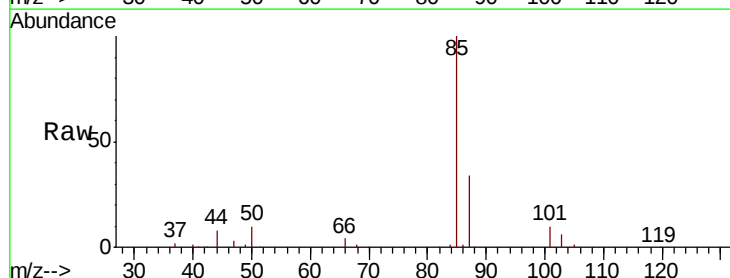
Acq: 10 Sep 2018 21:54

Tgt Ion: 85 Resp: 119970

Ion Ratio Lower Upper

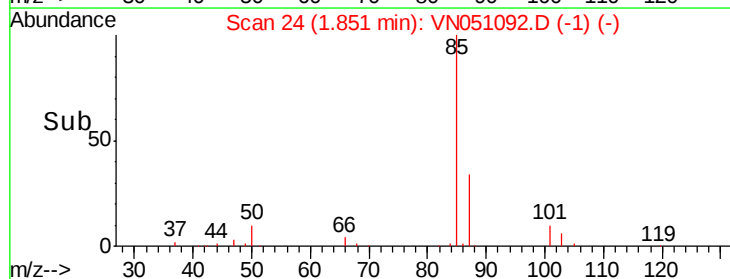
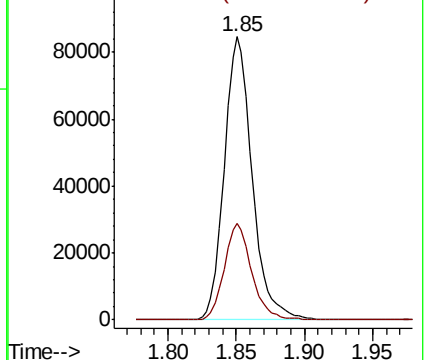
85 100

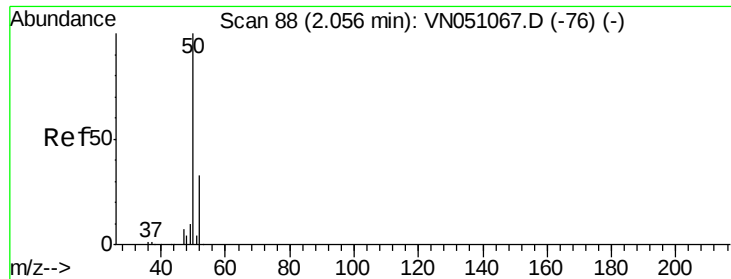
87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.81 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

Tot Ion: 50 Resp: 165893

Ion Ratio Lower Upper

50 100

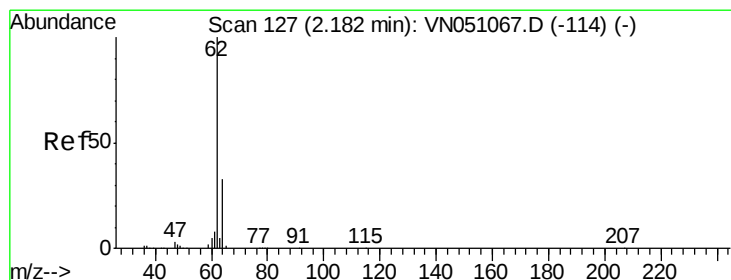
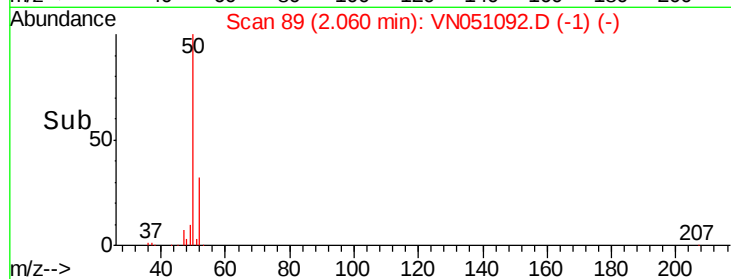
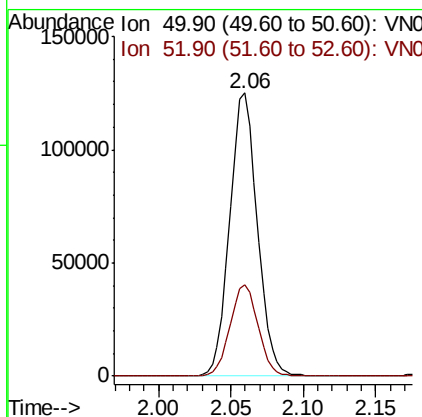
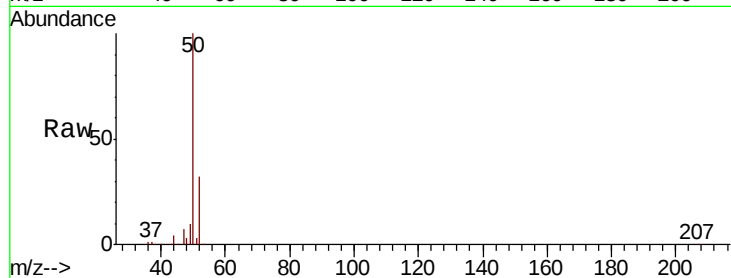
52 32.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.41 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051092.D

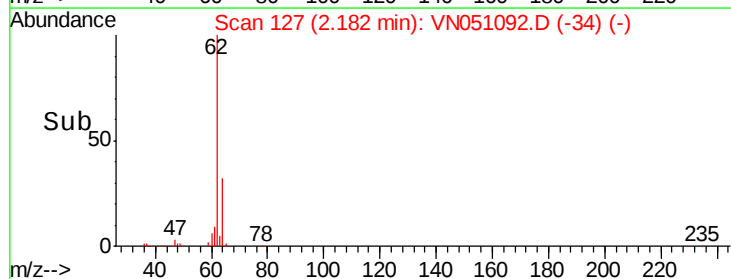
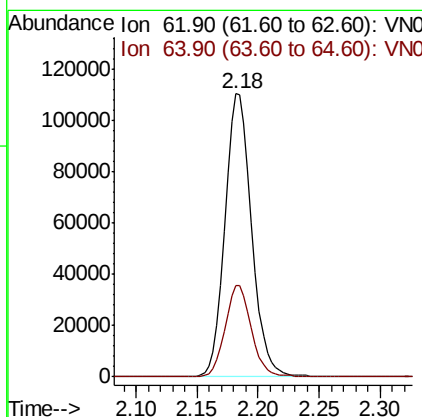
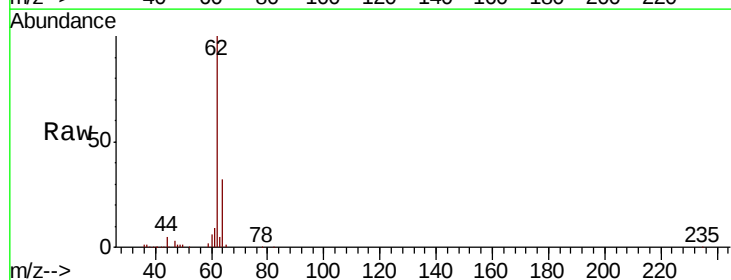
Acq: 10 Sep 2018 21:54

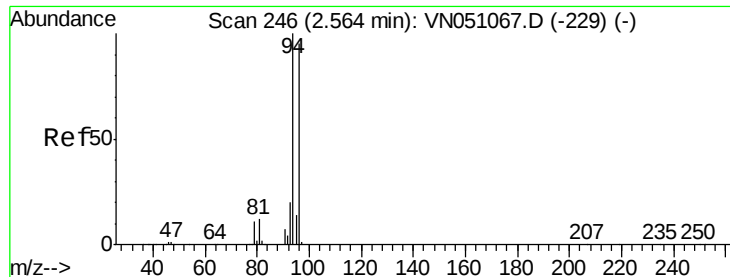
Tgt Ion: 62 Resp: 169968

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 20.22 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

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Tot Ion: 94 Resp: 102772

Ion Ratio Lower Upper

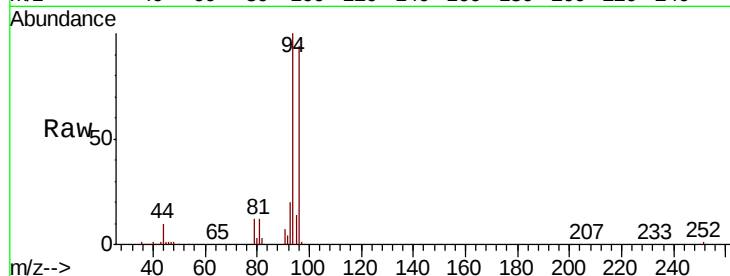
94 100

96 93.8 75.9 113.9

Manual Integrations
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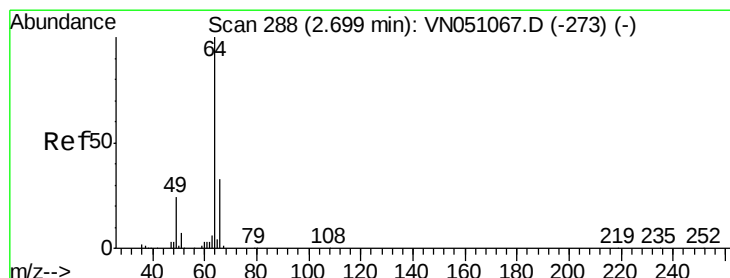
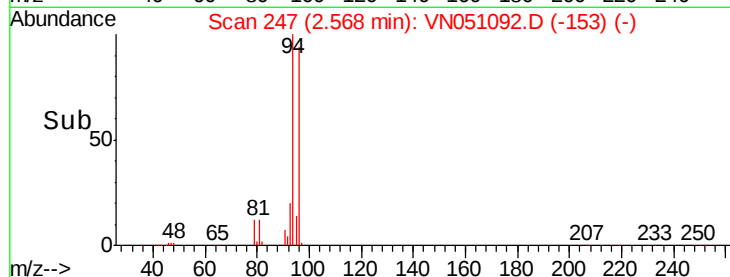
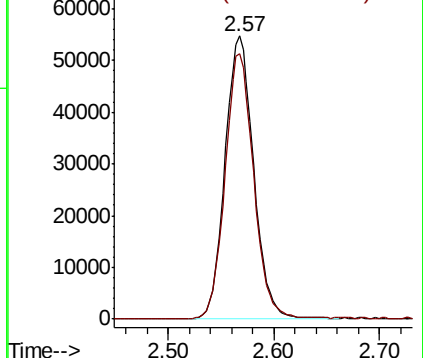
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.99 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051092.D

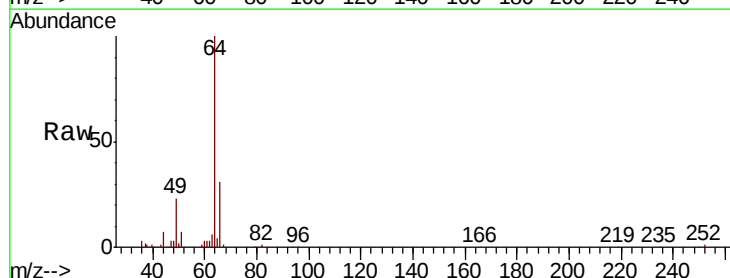
Acq: 10 Sep 2018 21:54

Tgt Ion: 64 Resp: 102600

Ion Ratio Lower Upper

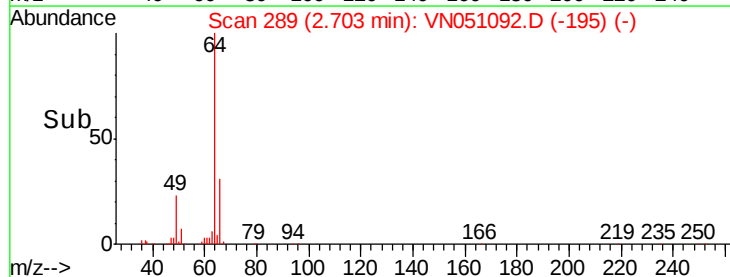
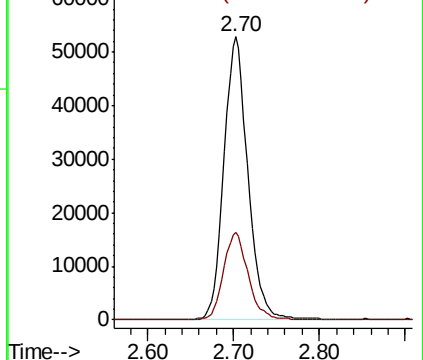
64 100

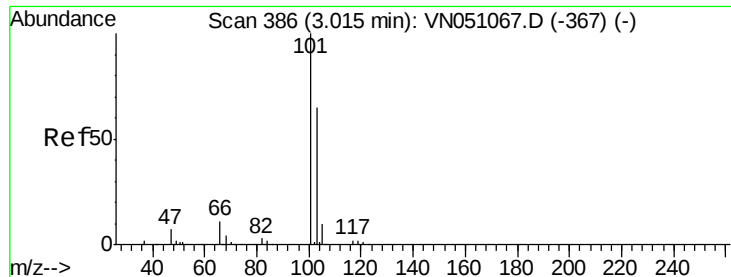
66 31.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

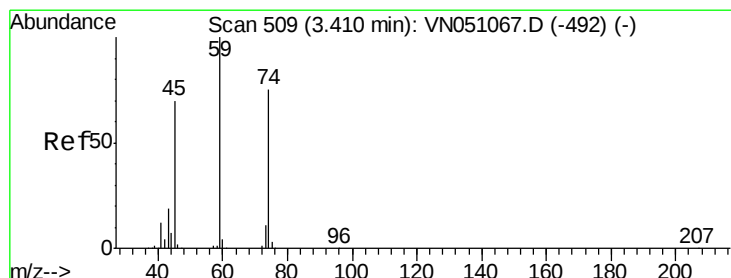
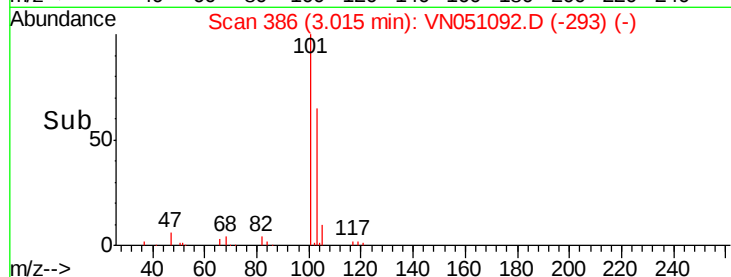
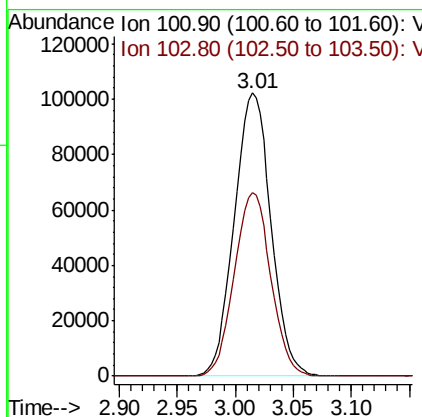
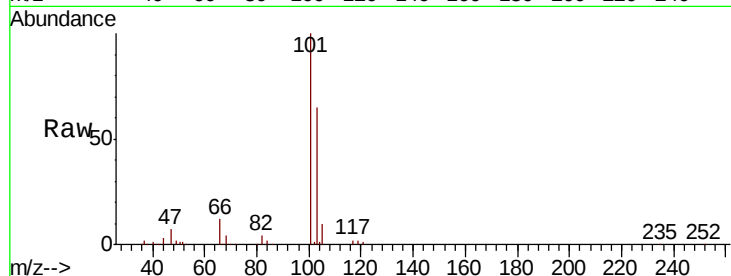
Trichlorofluoromethane
 Concen: 19.39 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
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 VN0910MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.4	78.6

Manual Integrations
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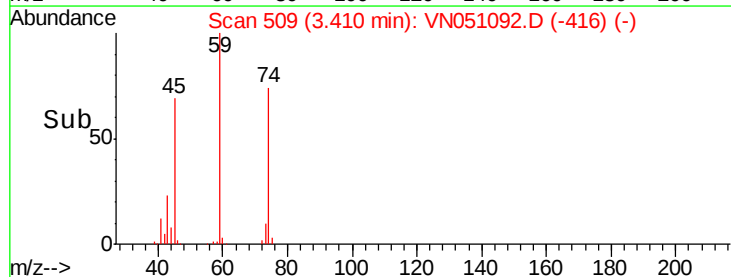
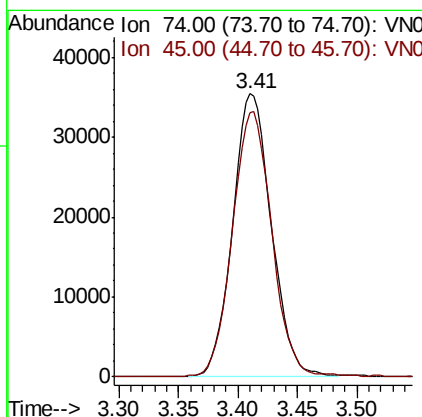
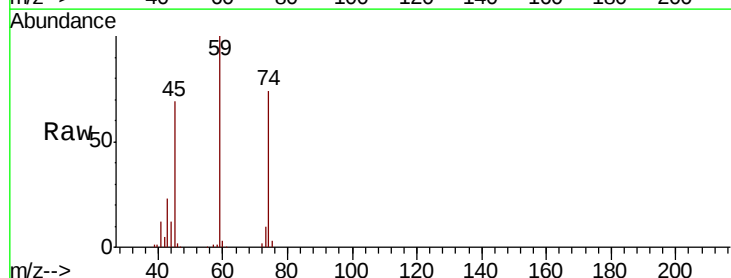
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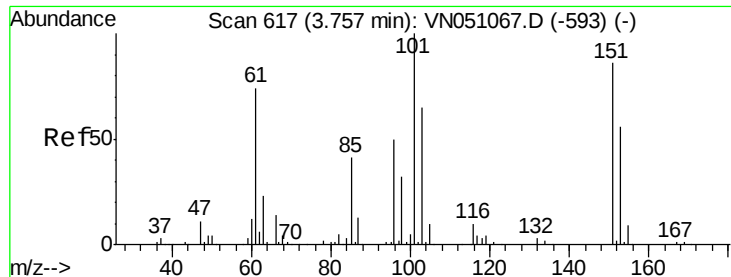


#8

Diethyl Ether
 Concen: 18.72 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.87 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

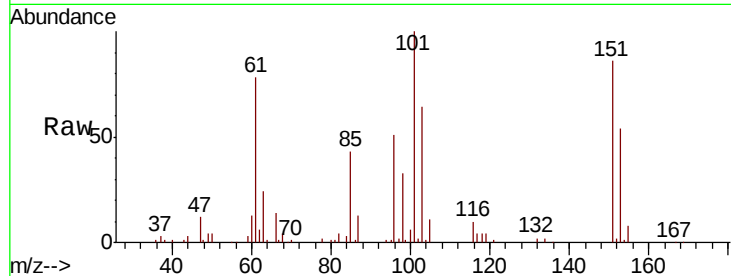
ClientSampleId :

VN0910MBS02

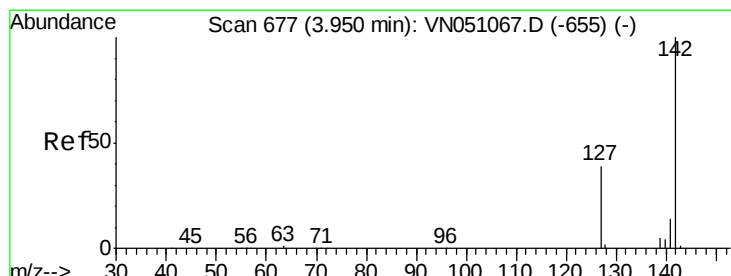
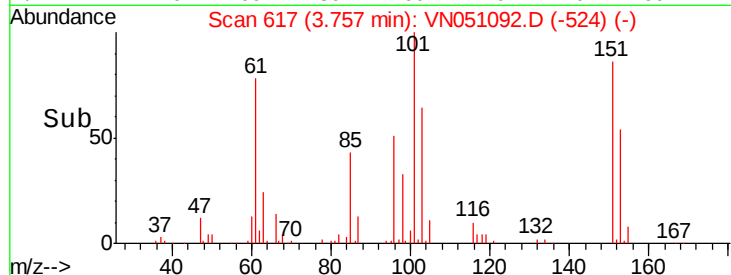
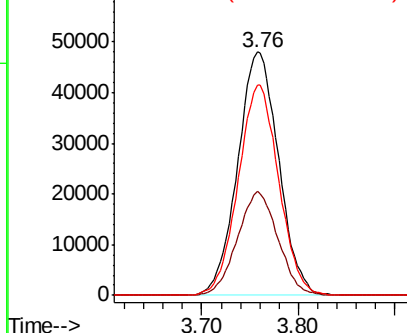
Tot Ion:	101	Resp:	141120
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.3	49.9
151	85.5	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.40 ug/l

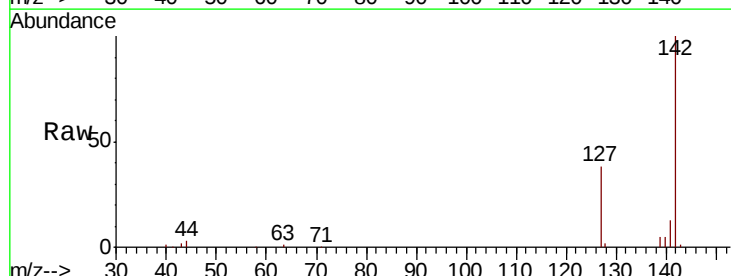
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

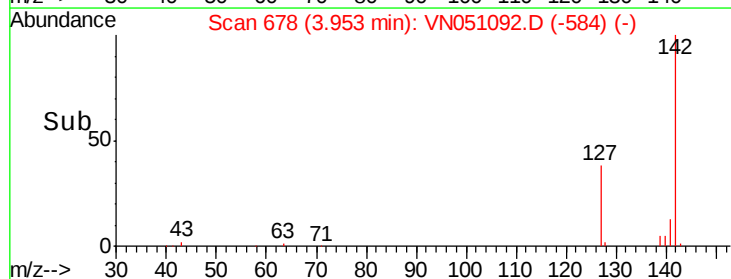
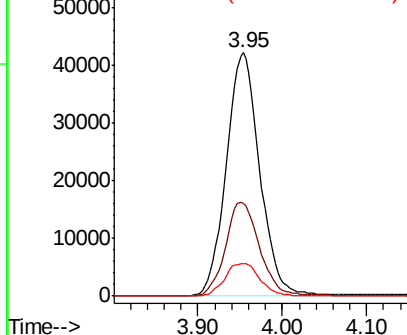
Lab File: VN051092.D

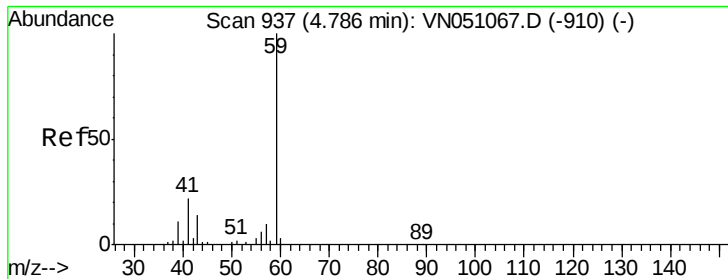
Acq: 10 Sep 2018 21:54

Tgt Ion:	142	Resp:	116431
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.0	46.4
141	14.0	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

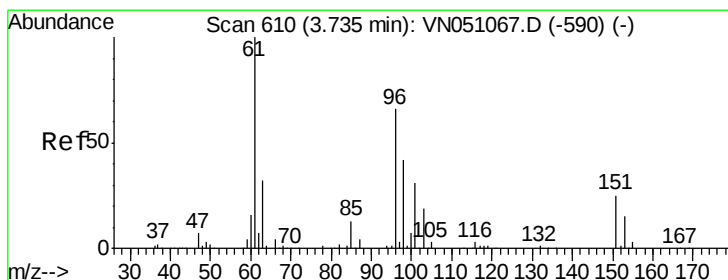
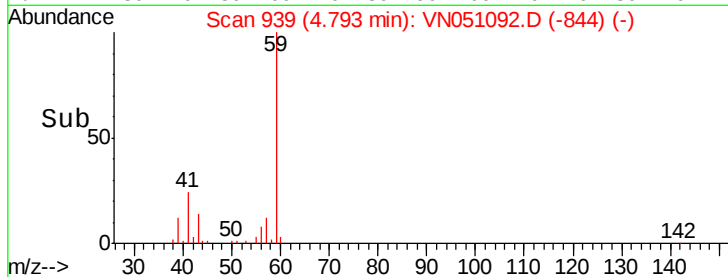
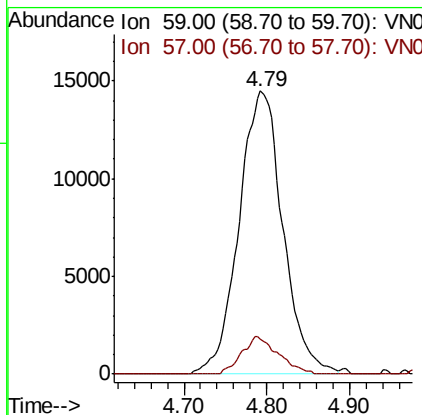
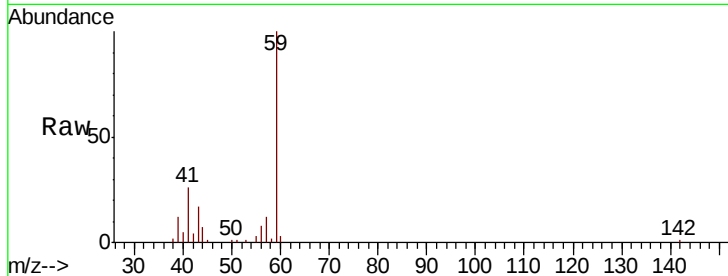
Tert butyl alcohol
 Concen: 94.70 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.1	12.1

Manual Integrations
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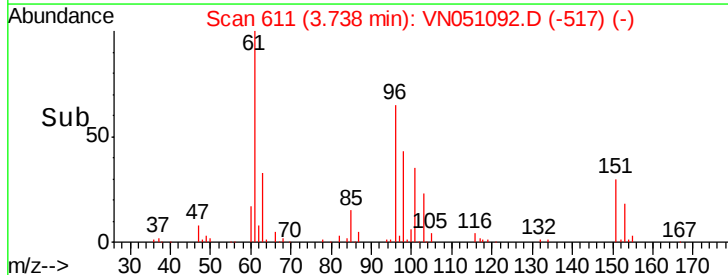
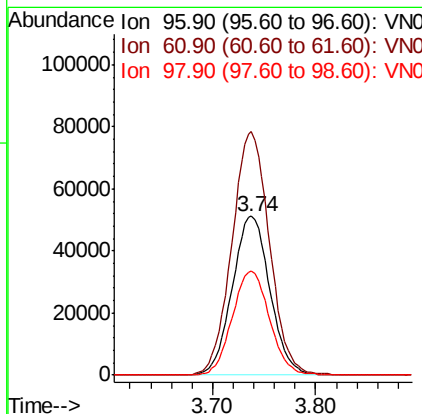
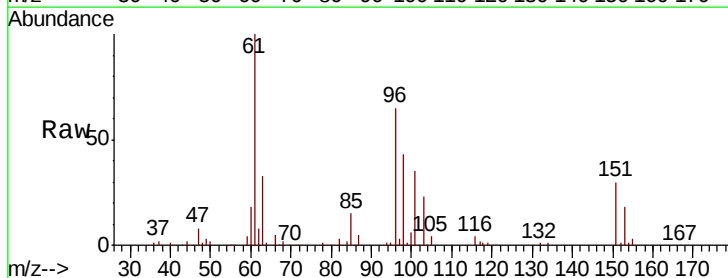
MMDadoda
 9/11/2018 9:41:22 AM

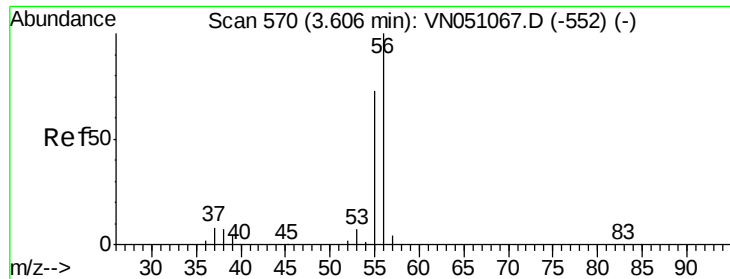


#12

1,1-Dichloroethene
 Concen: 18.50 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	120.3	180.5
98	65.5	50.8	76.2





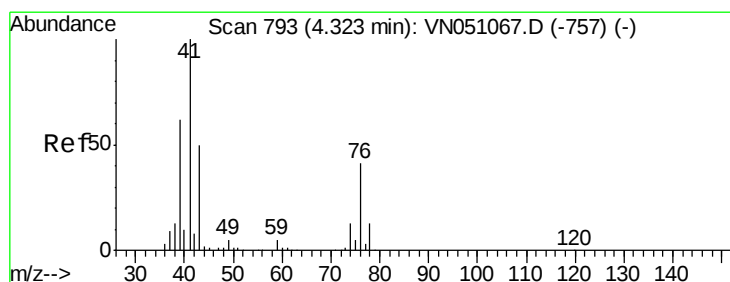
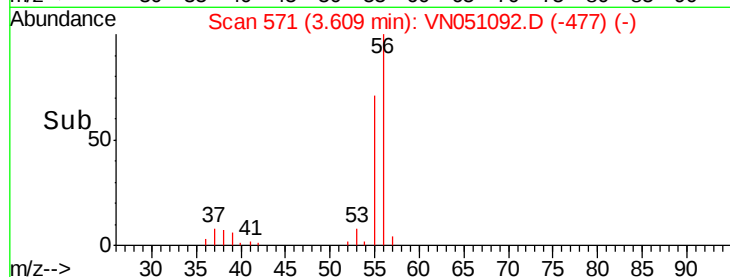
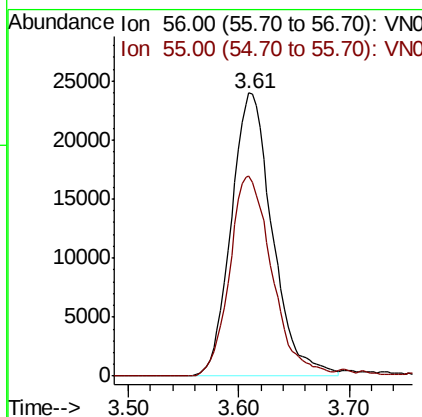
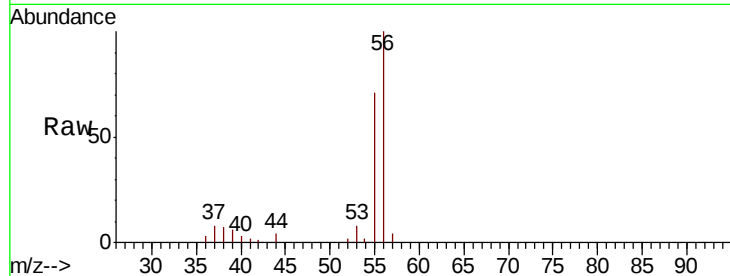
#13
 Acrolein
 Concen: 105.96 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBS02

Tot Ion	56	55	Ratio	100	72.6	Resp	62075	Lower	58.0	Upper	87.0
Ion	56	55	Ratio	100	72.6	Resp	62075	Lower	58.0	Upper	87.0

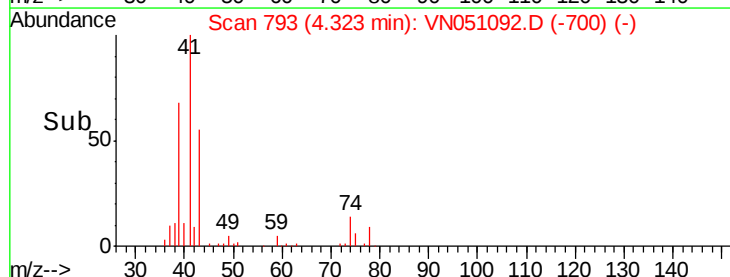
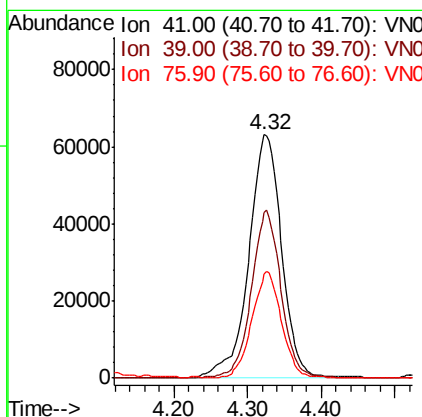
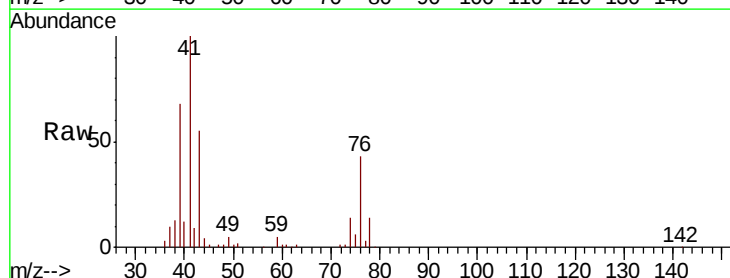
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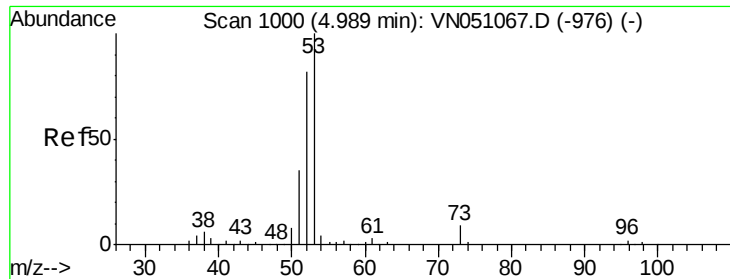
MMDadoda
 9/11/2018 9:41:22 AM



#14
 Allyl chloride
 Concen: 18.24 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	41	39	76	Ratio	100	62.2	38.6	Resp	196076	Lower	48.8	30.6	Upper	73.2	45.8
Ion	41	39	76	Ratio	100	62.2	38.6	Resp	196076	Lower	48.8	30.6	Upper	73.2	45.8





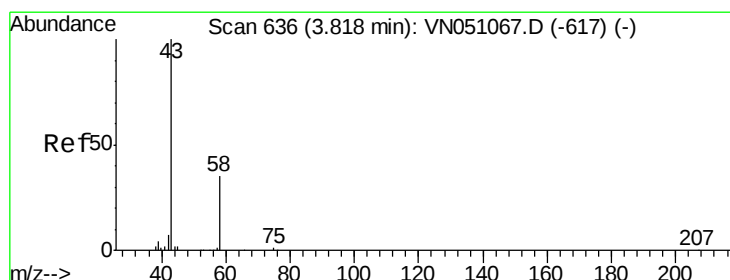
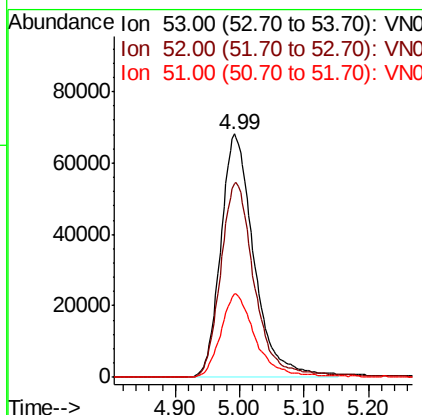
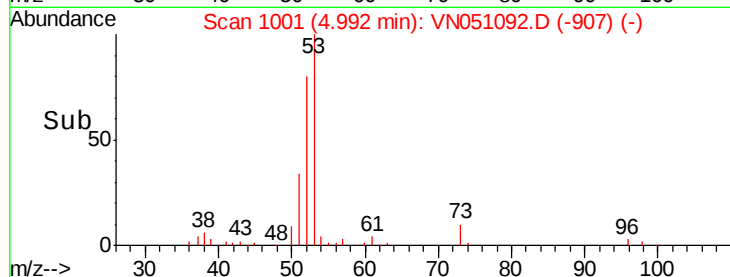
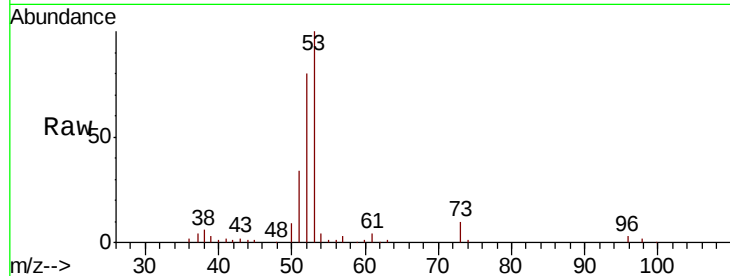
#15
 Acrylonitrile
 Concen: 98.37 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.3	97.9
51	35.2	28.2	42.2

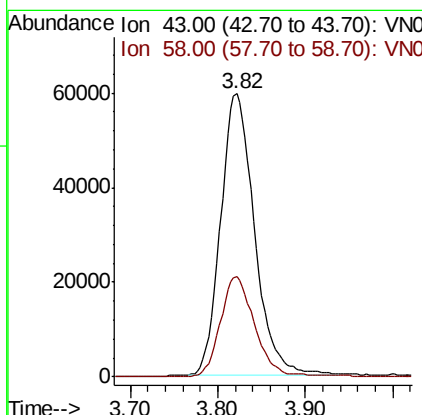
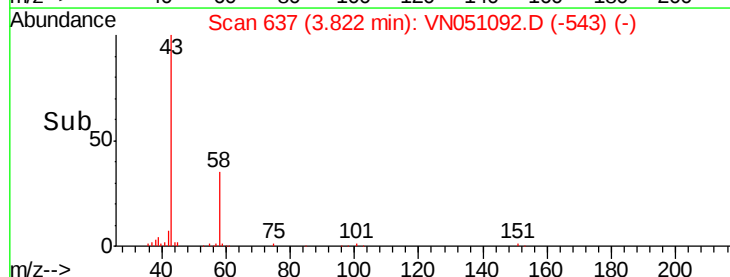
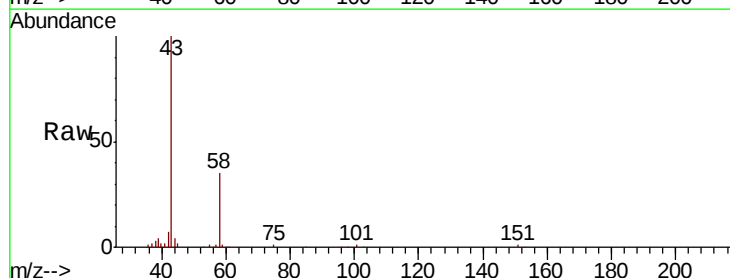
Manual Integrations
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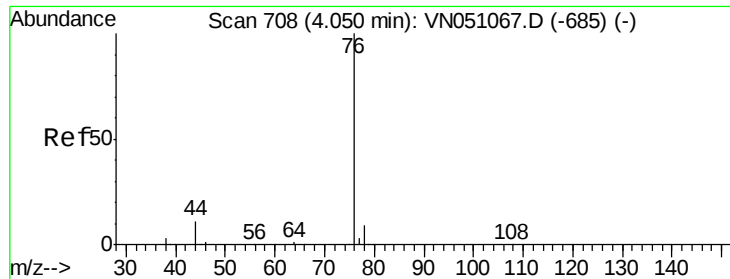
MMDadoda
 9/11/2018 9:41:22 AM



#16
 Acetone
 Concen: 83.34 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.8	41.6





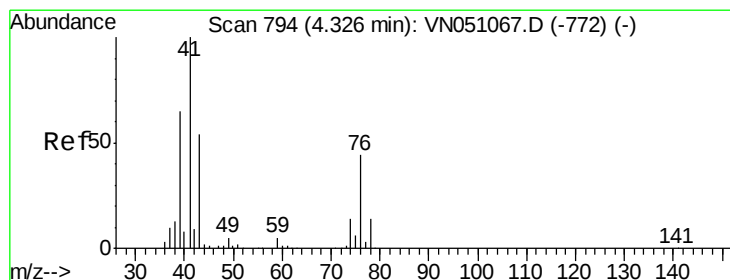
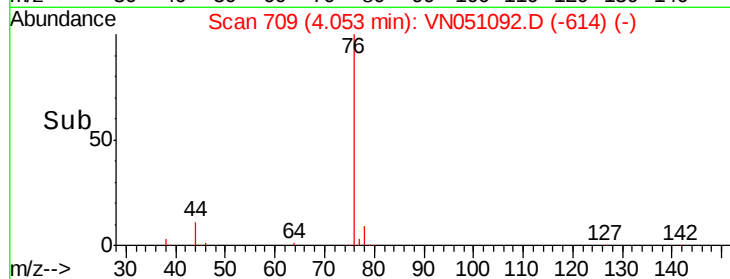
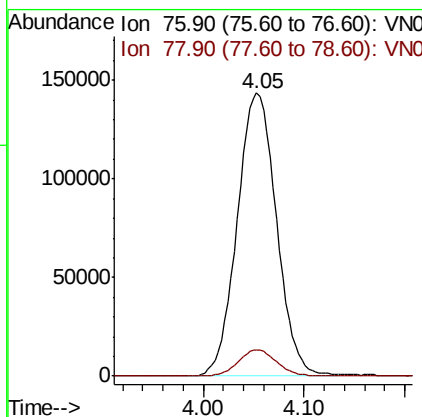
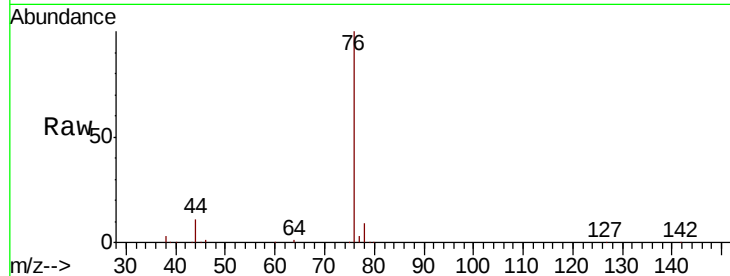
#17
Carbon Disulfide
Concen: 18.69 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

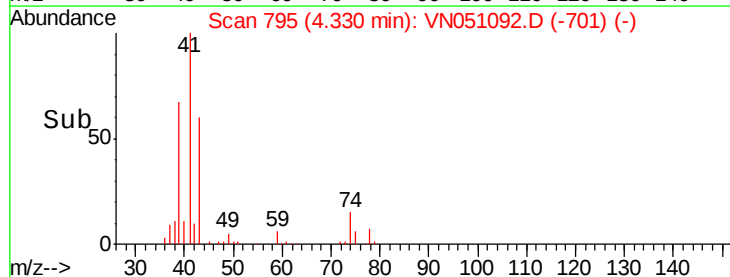
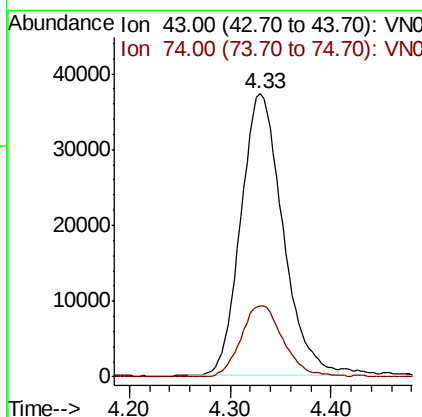
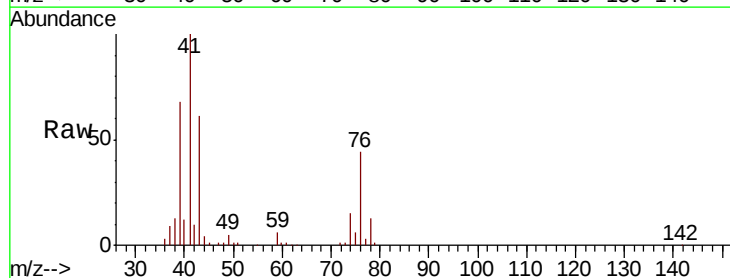
Manual Integrations
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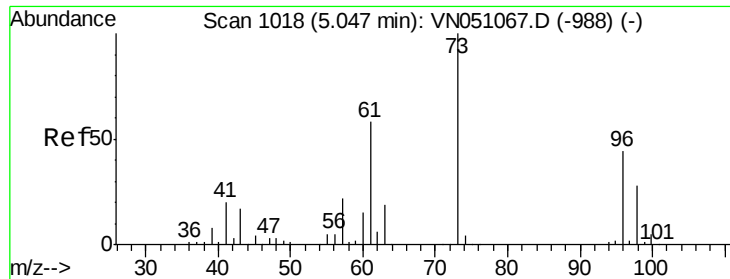
MMDadoda
9/11/2018 9:41:22 AM



#18
Methyl Acetate
Concen: 18.23 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.7	31.1





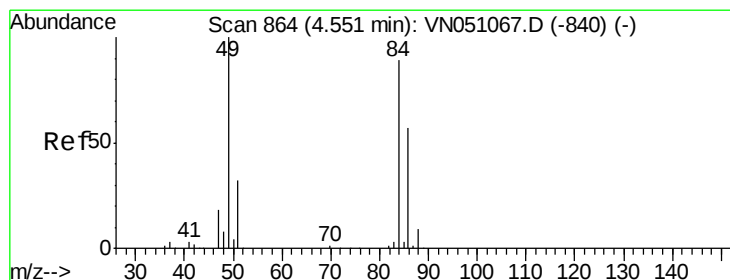
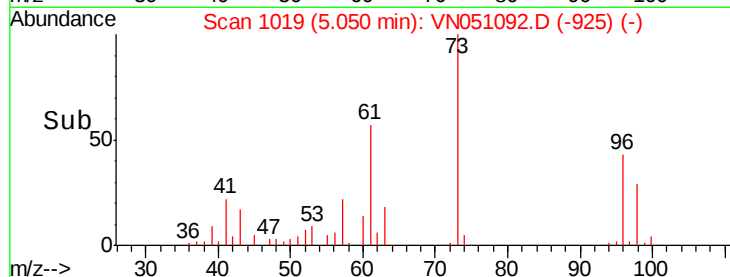
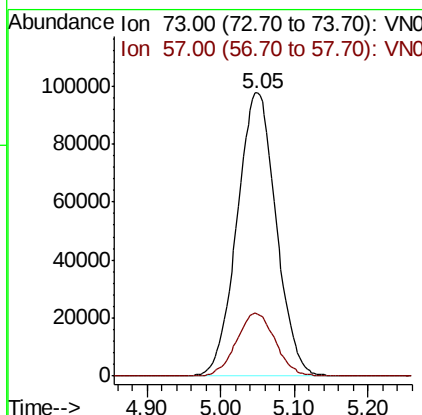
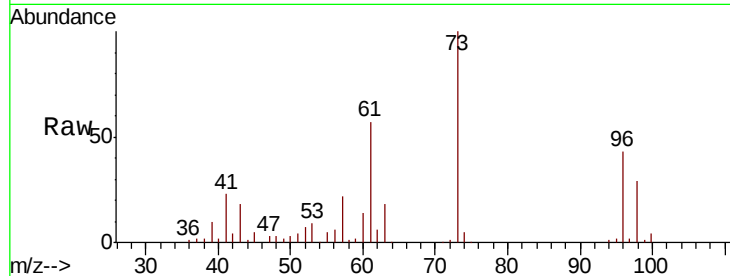
#19
Methvl tert-butvl Ether
Concen: 19.30 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion: 73 Resp: 359972
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9

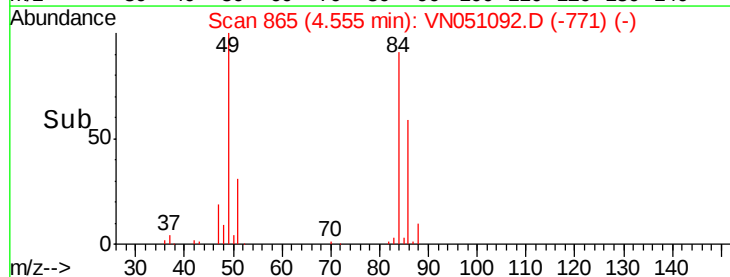
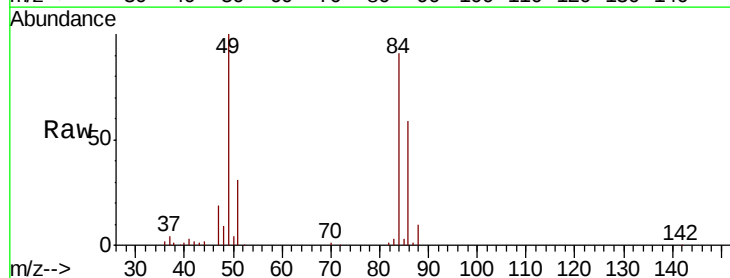
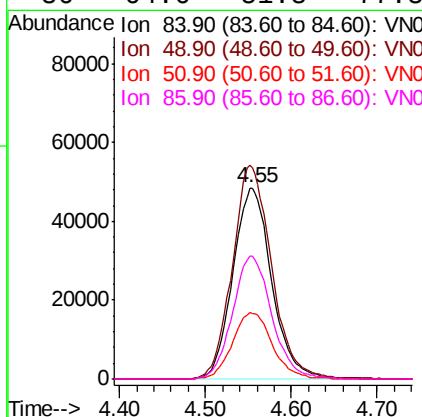
Manual Integrations
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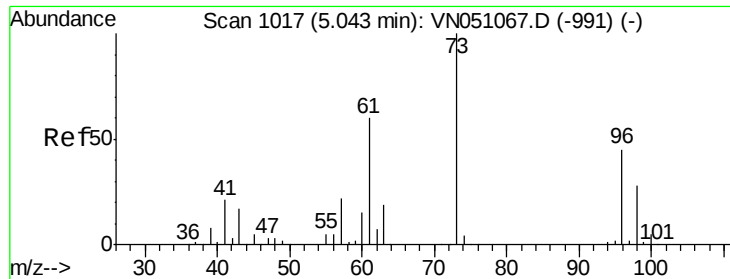
MMDadoda
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#20
Methylene Chloride
Concen: 18.68 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 84 Resp: 151917
Ion Ratio Lower Upper
84 100
49 110.4 90.2 135.2
51 34.3 28.4 42.6
86 64.6 51.8 77.8





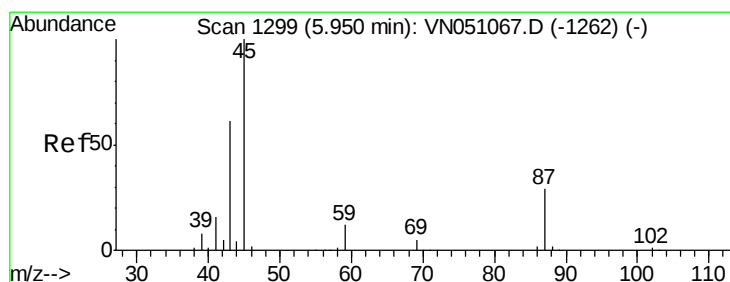
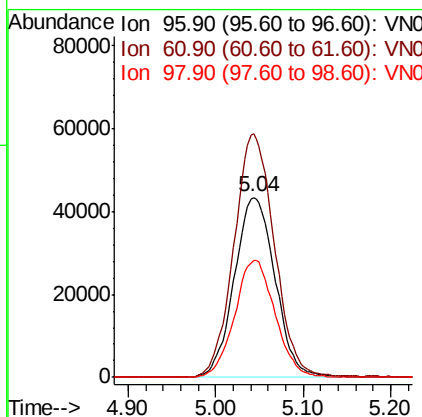
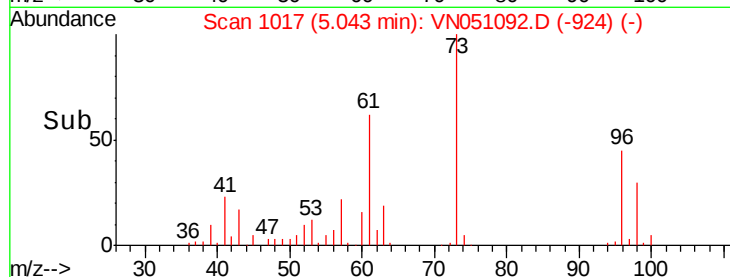
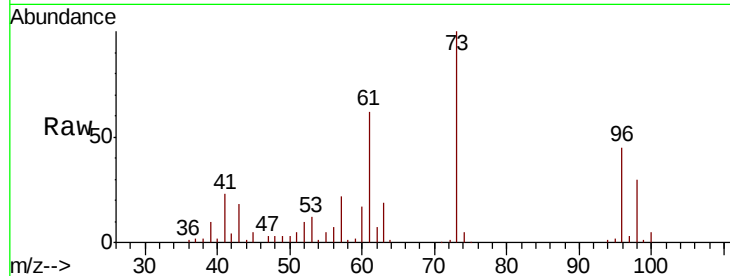
#21
trans-1,2-Dichloroethene
Concen: 18.35 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampled :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	106.5	159.7
98	64.9	50.4	75.6

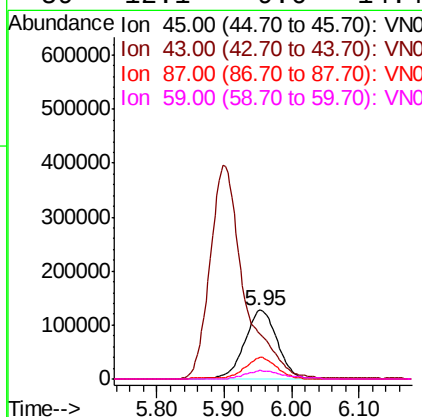
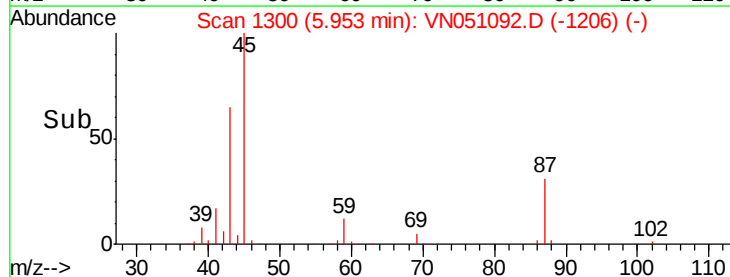
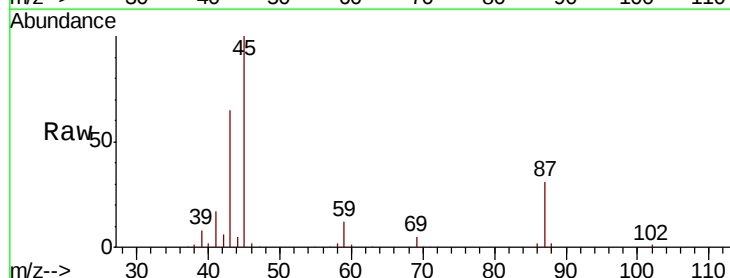
Manual Integrations
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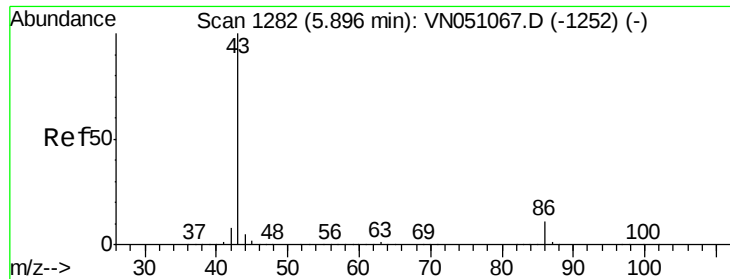
MMDadoda
9/11/2018 9:41:22 AM



#22
Diisopropyl ether
Concen: 20.17 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.8	73.2
87	30.9	23.8	35.8
59	12.1	9.6	14.4





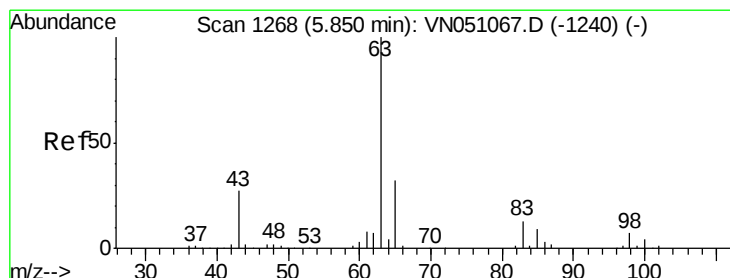
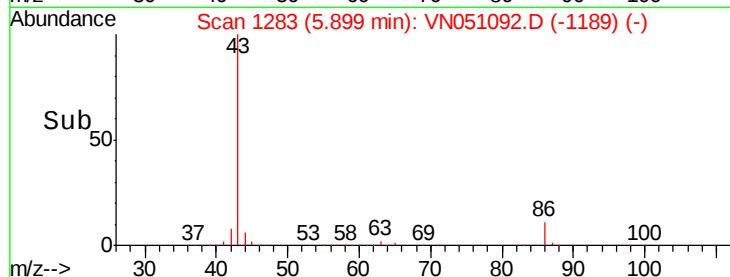
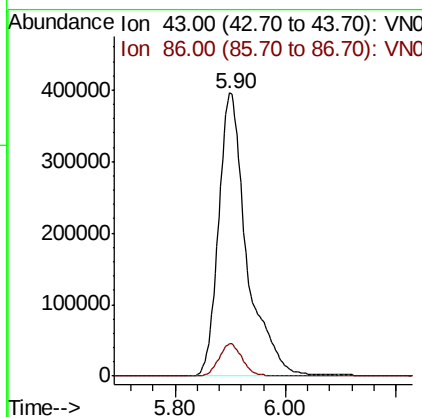
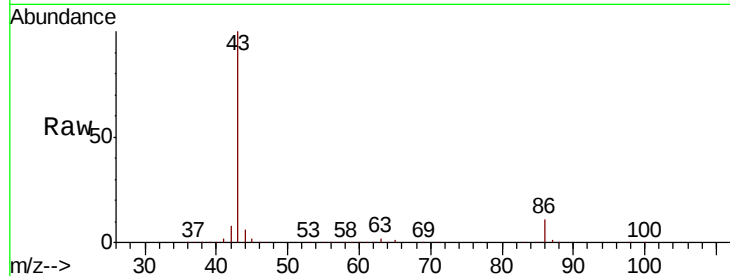
#23
 Vinyl Acetate
 Concen: 97.11 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	43	Resp	1402215
Ion Ratio	100	Lower	Upper
43	100		
86	11.3	9.2	13.8

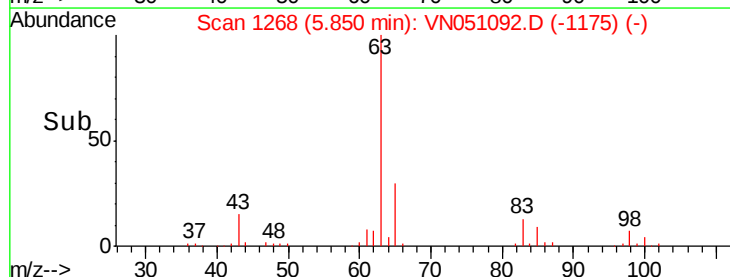
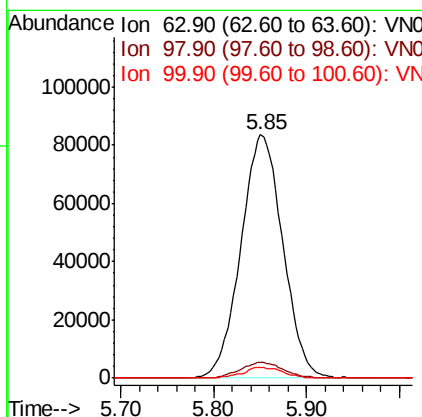
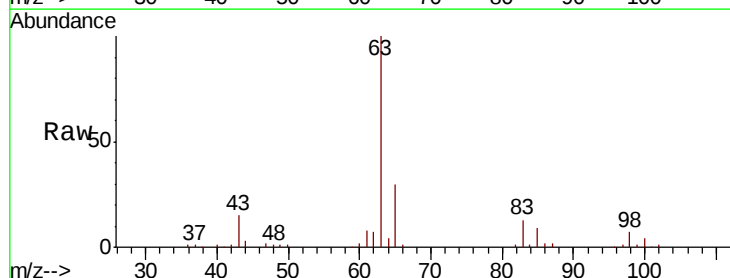
Manual Integrations
 APPROVED

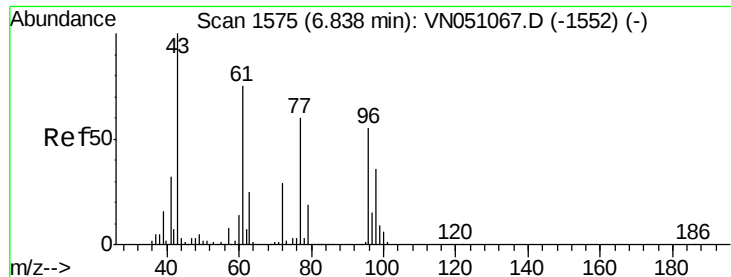
MMDadoda
 9/11/2018 9:41:22 AM



#24
 1,1-Dichloroethane
 Concen: 19.41 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	63	Resp	262712
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.5	2.1	6.3





#25

2-Butanone

Concen: 88.77 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

Tot Ion: 43 Resp: 256881

Ion Ratio Lower Upper

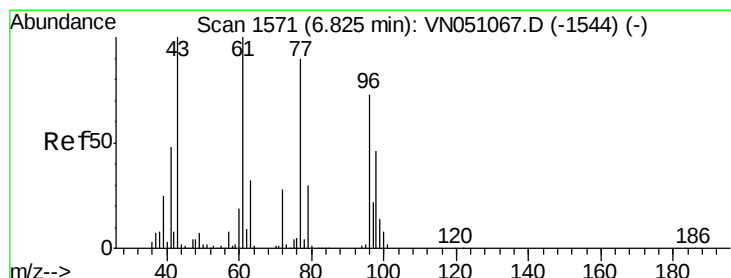
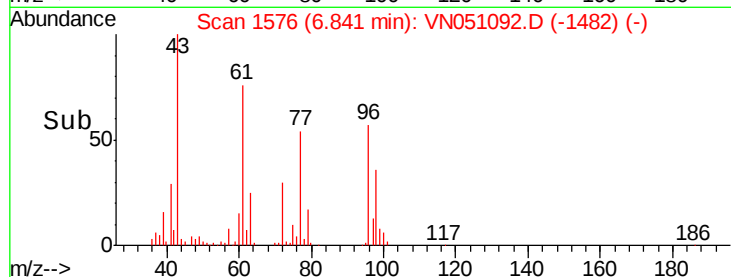
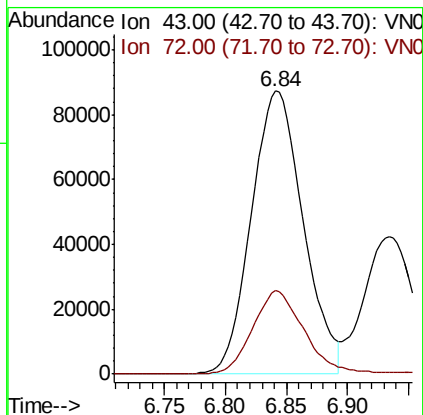
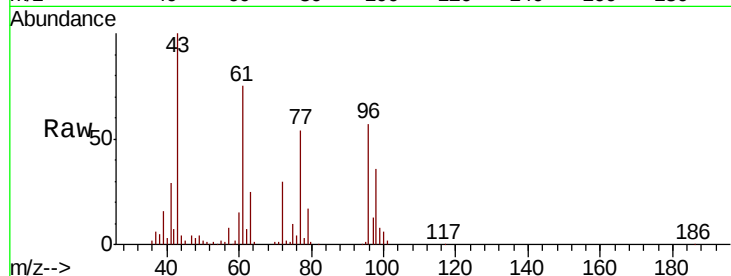
43 100

72 29.8 23.0 34.6

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9/11/2018 9:41:22 AM



#26

2,2-Dichloropropane

Concen: 16.89 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051092.D

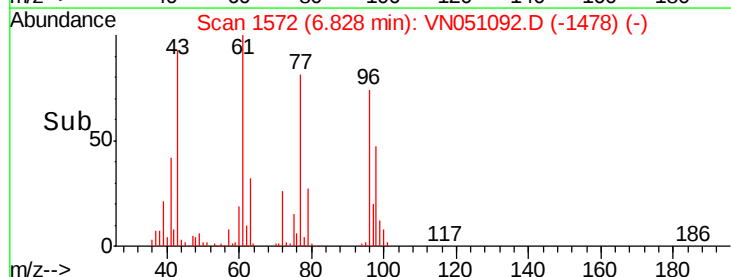
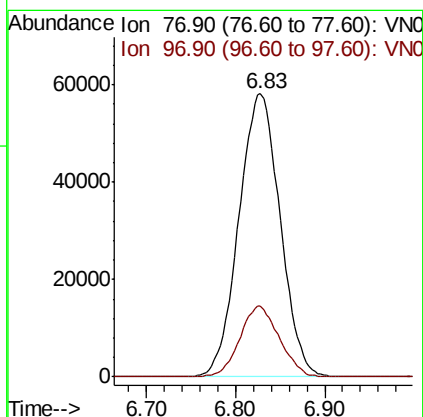
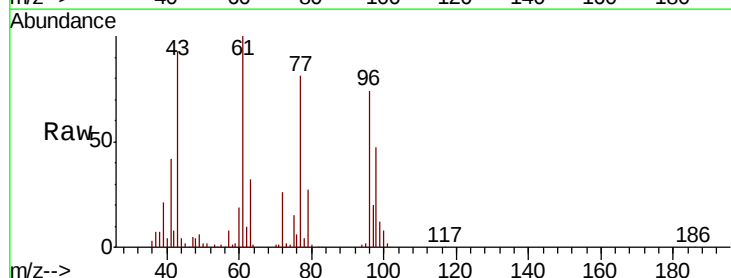
Acq: 10 Sep 2018 21:54

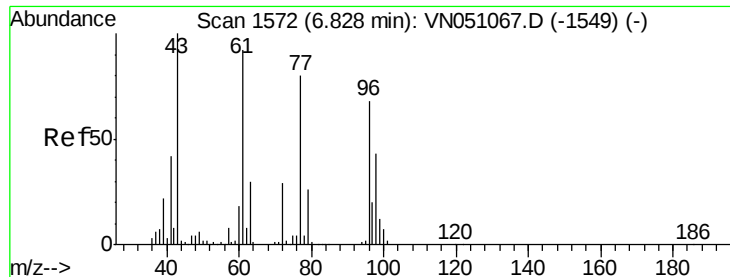
Tgt Ion: 77 Resp: 187172

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.11 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

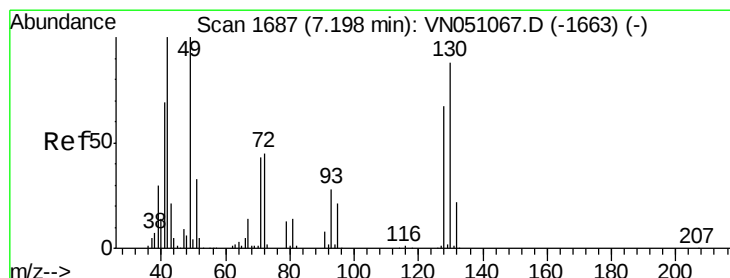
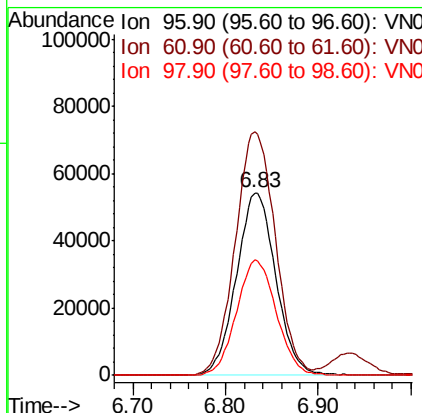
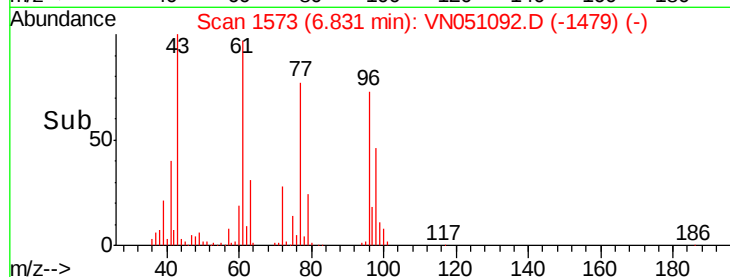
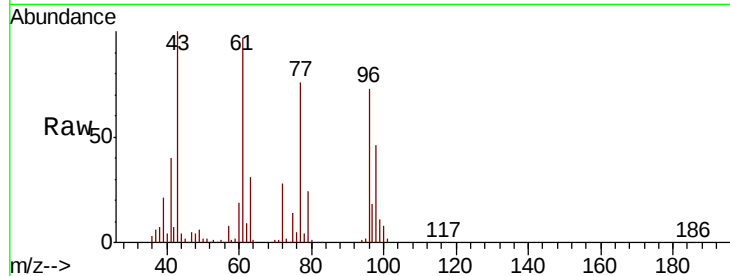
ClientSampleId :

VN0910MBS02

Tot Ion:	96	Resp:	160457
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	278.2
98	64.1	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 18.80 ug/l

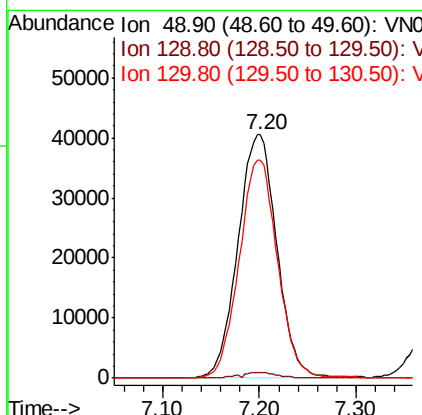
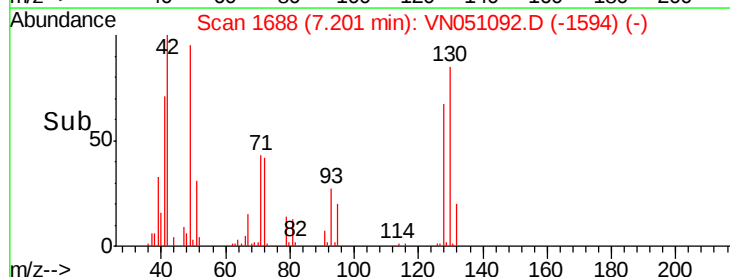
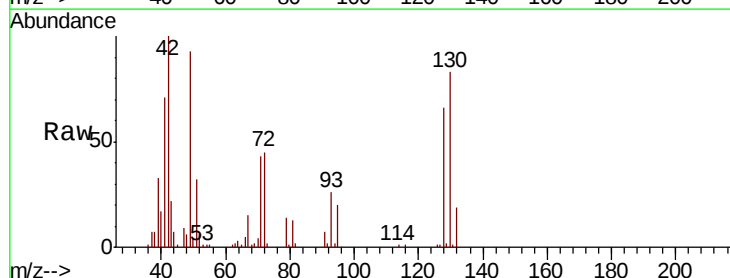
RT: 7.20 min Scan# 1688

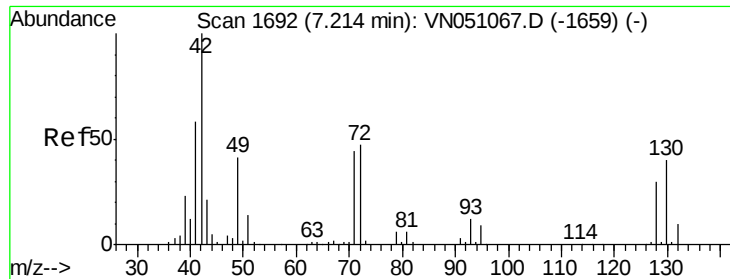
Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Tgt Ion:	49	Resp:	113303
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	88.0	70.7	106.1





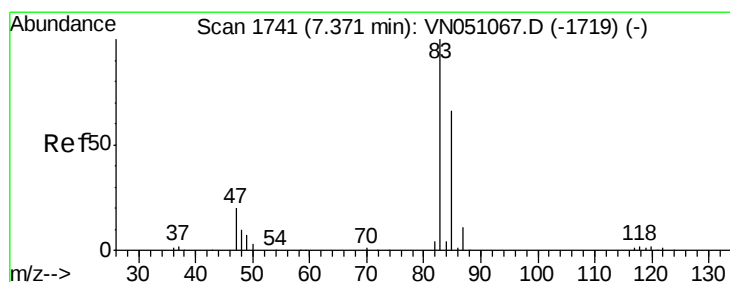
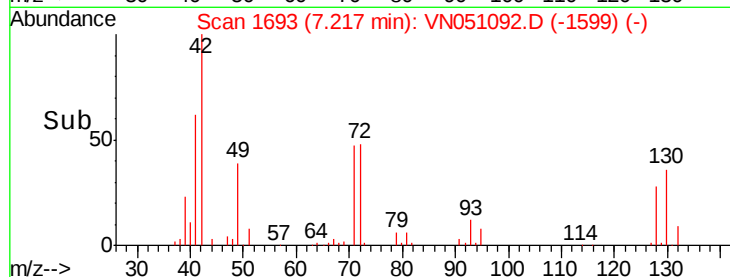
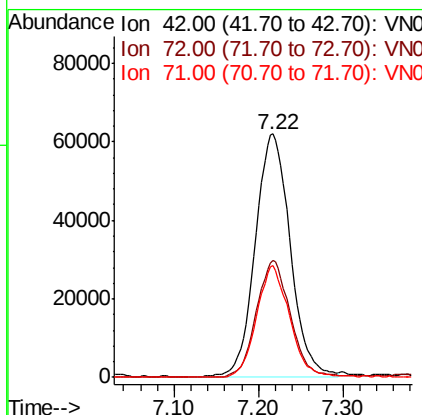
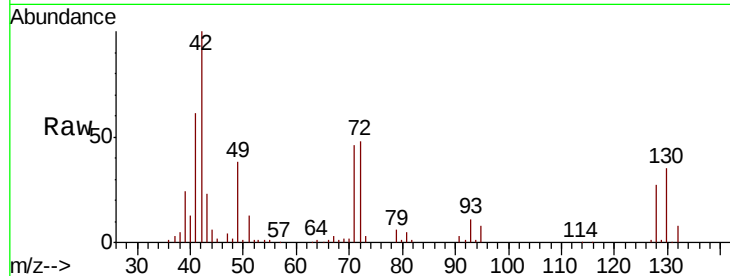
#29
Tetrahydrofuran
Concen: 99.46 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.0
71	43.1	34.7	52.1

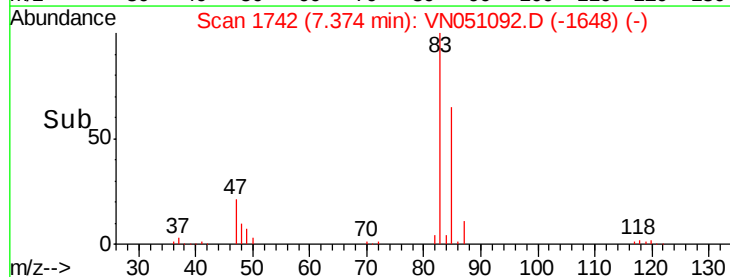
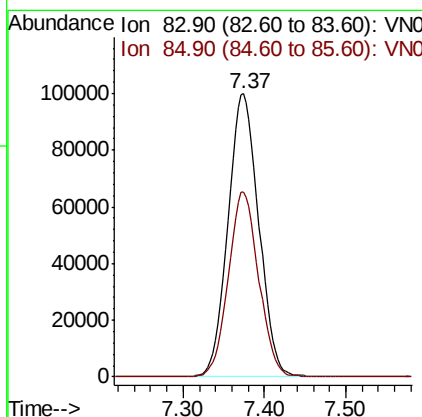
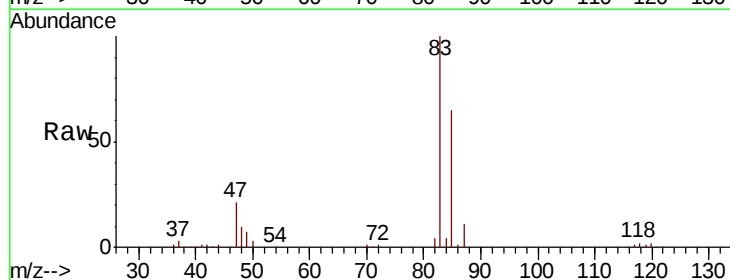
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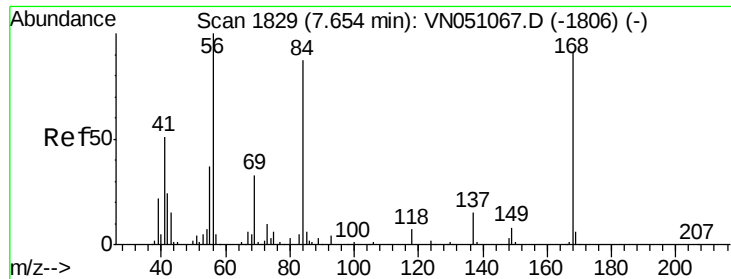
MMDadoda
9/11/2018 9:41:22 AM



#30
Chloroform
Concen: 19.57 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	79.0





#31

Cyclohexane

Concen: 19.31 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

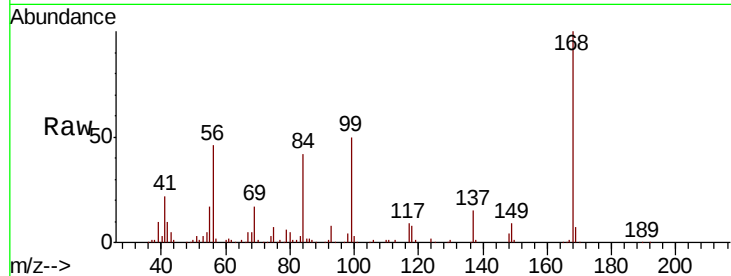
ClientSampleId :

VN0910MBS02

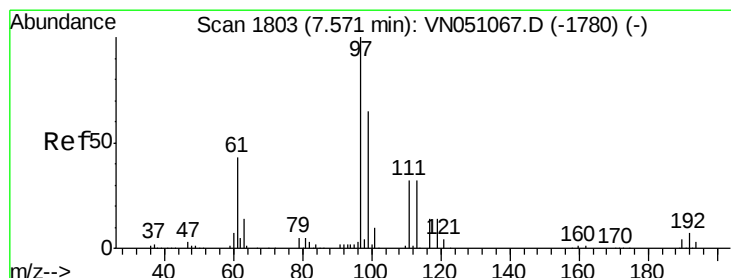
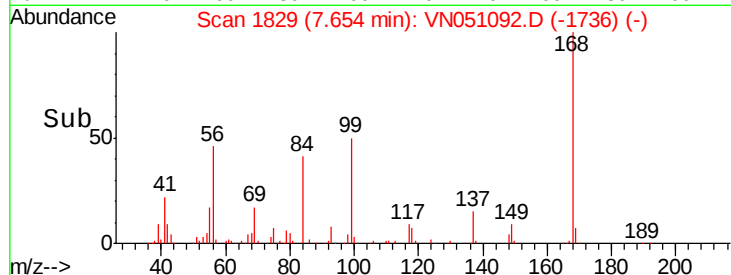
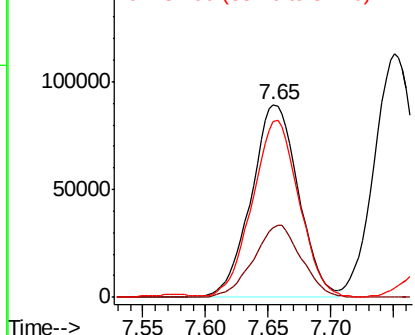
Tot Ion:	56	Resp:	234818
Ion Ratio	Lower	Upper	
56	100		
69	36.3	26.3	39.5
84	89.9	69.4	104.0

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



#32

1,1,1-Trichloroethane

Concen: 19.34 ug/l

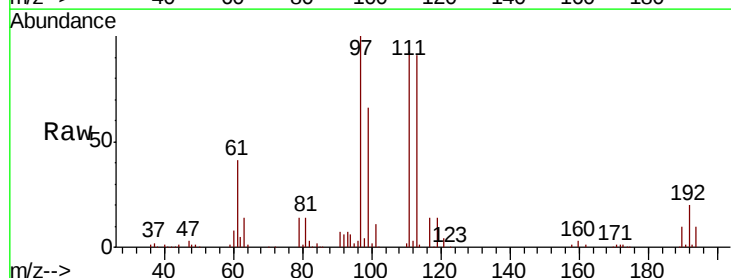
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

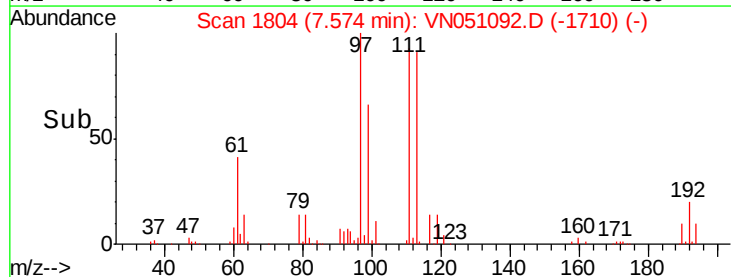
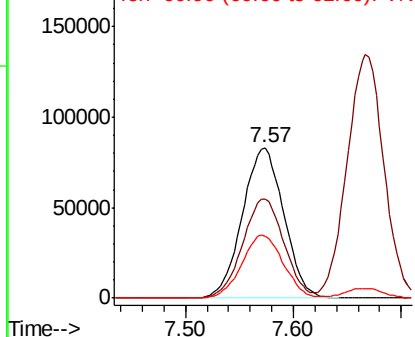
Lab File: VN051092.D

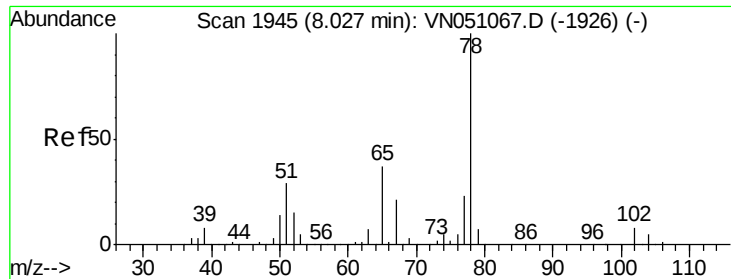
Acq: 10 Sep 2018 21:54

Tgt Ion:	97	Resp:	221955
Ion Ratio	Lower	Upper	
97	100		
99	65.9	51.6	77.4
61	41.9	33.8	50.6



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





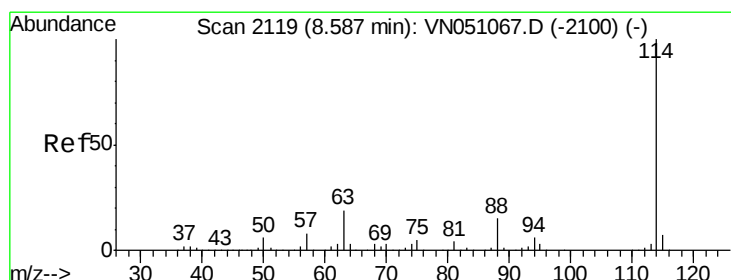
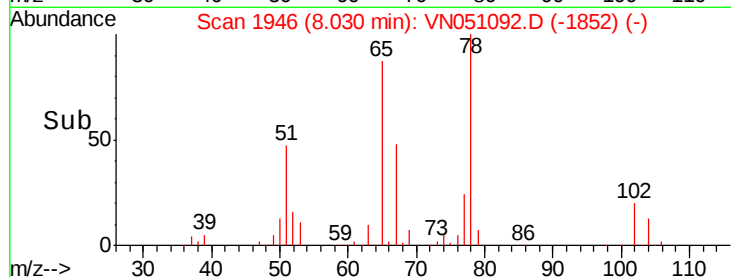
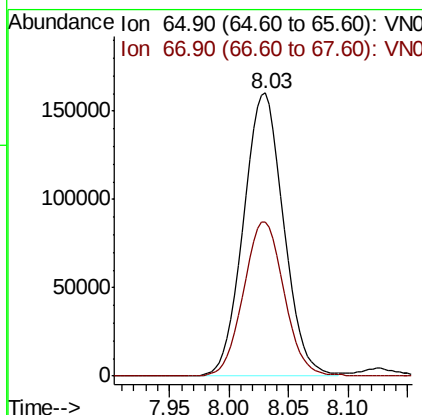
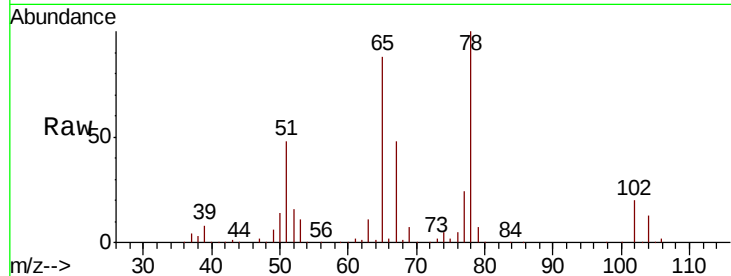
#33
 1,2-Dichloroethane-d4
 Concen: 50.88 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	374495		
67	55.1	0.0	112.0	

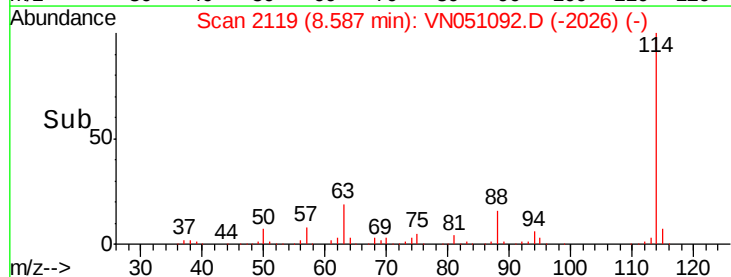
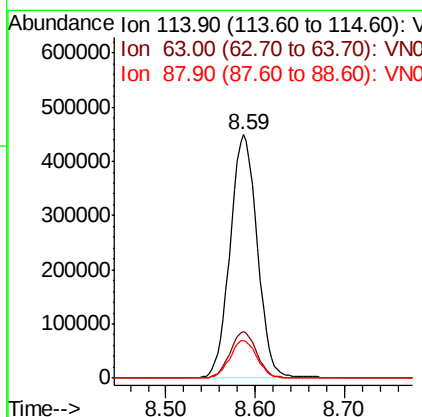
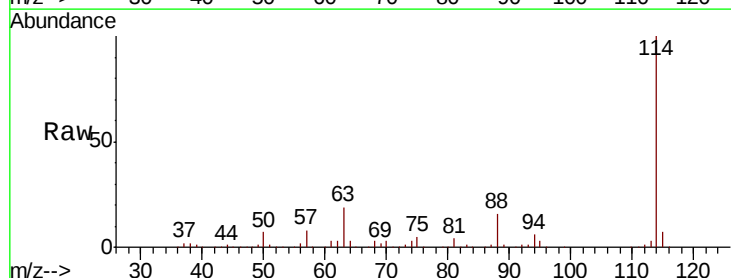
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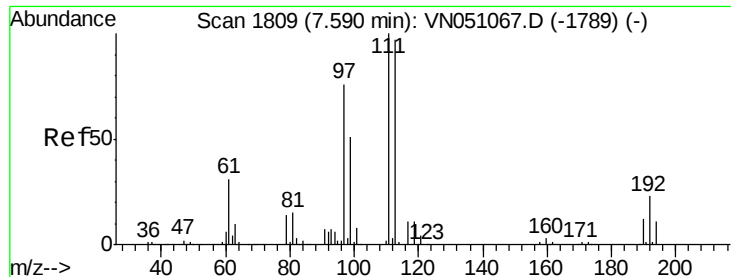
MMDadoda
 9/11/2018 9:41:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	950392		
63	19.1	0.0	37.8	
88	15.5	0.0	30.8	





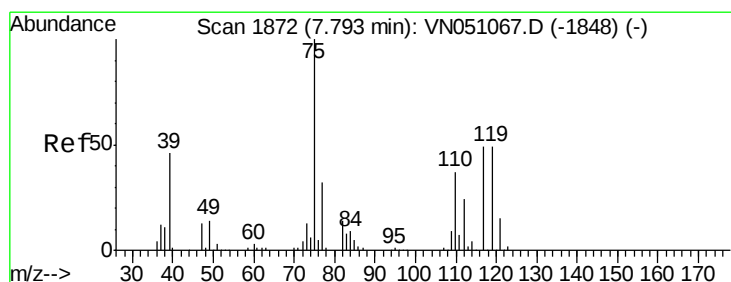
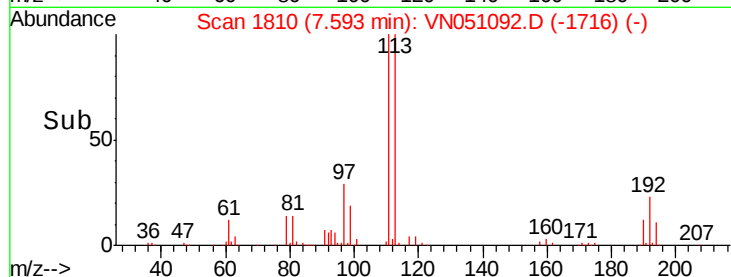
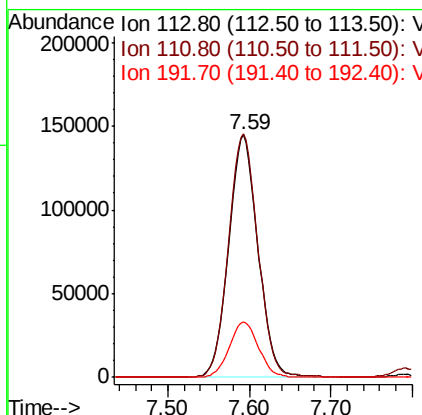
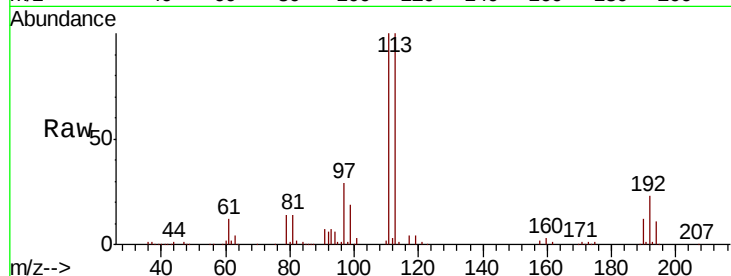
#35
 Dibromofluoromethane
 Concen: 50.81 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	362887		
111	101.3	83.0	124.6	
192	22.9	18.7	28.1	

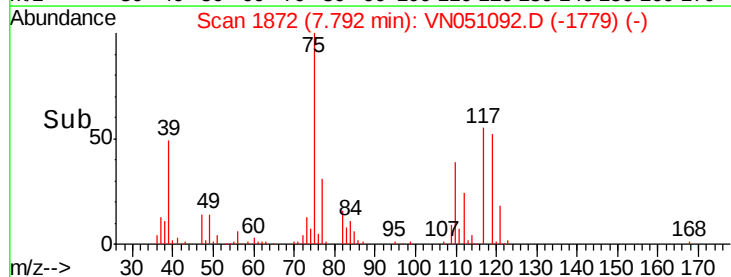
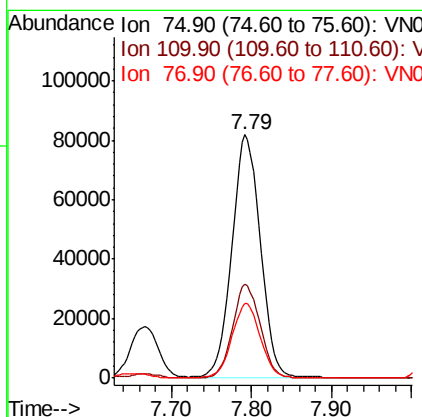
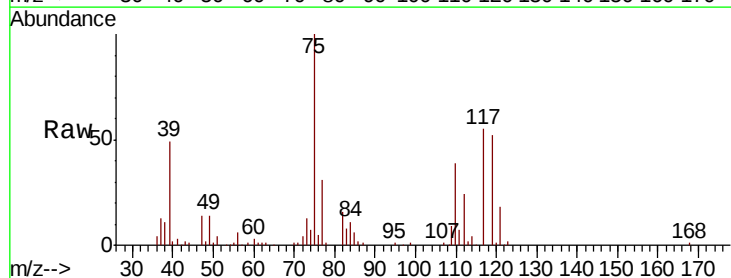
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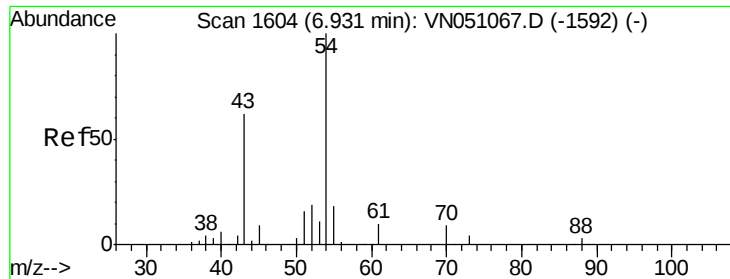
MMDadoda
 9/11/2018 9:41:22 AM



#36
 1,1-Dichloropropene
 Concen: 18.77 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195883		
110	37.4	18.6	55.8	
77	30.9	25.2	37.8	





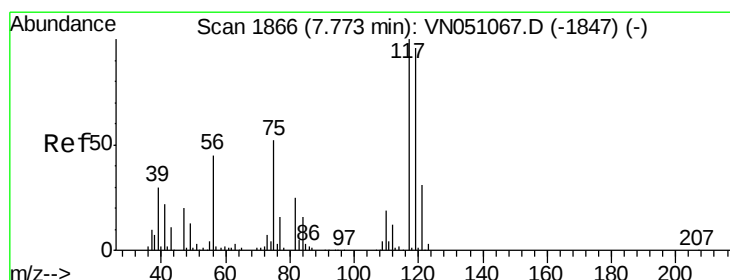
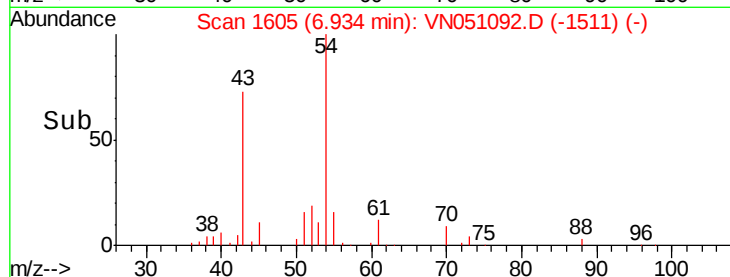
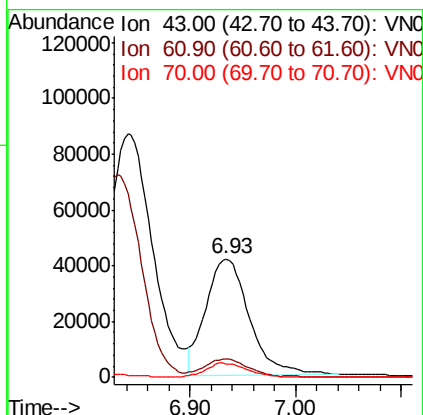
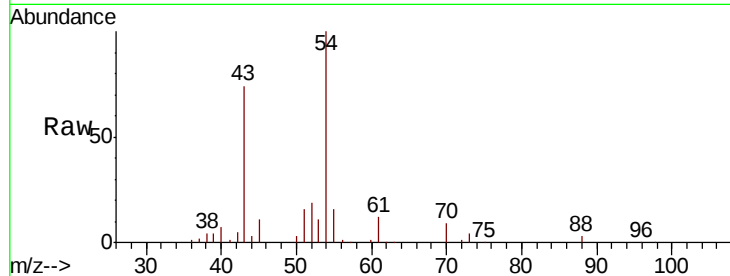
#37
Ethyl Acetate
Concen: 19.92 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.4	18.6
70	11.8	9.3	13.9

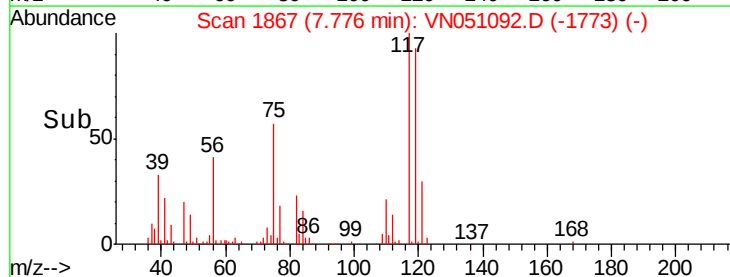
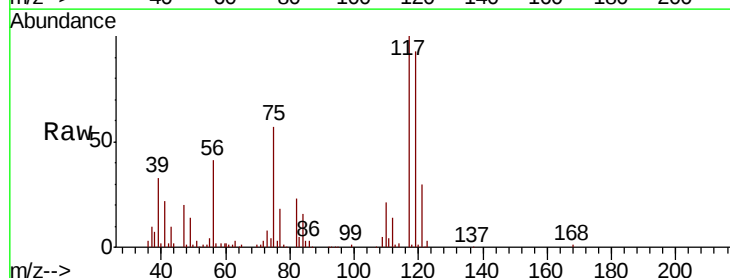
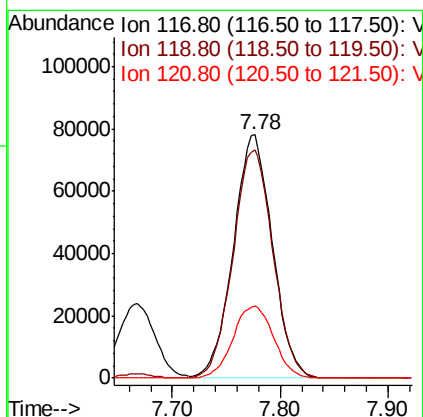
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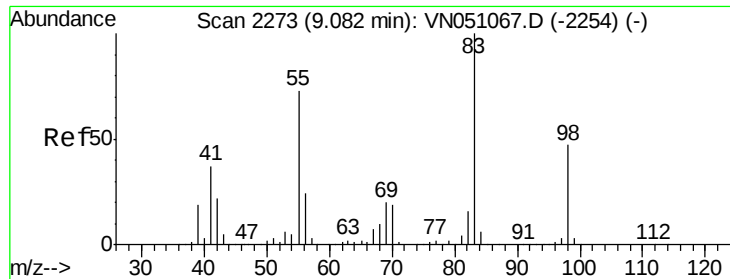
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#38
Carbon Tetrachloride
Concen: 19.16 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.8	115.2
121	29.5	24.6	36.8





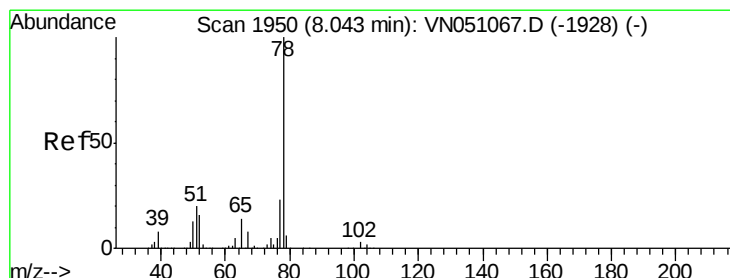
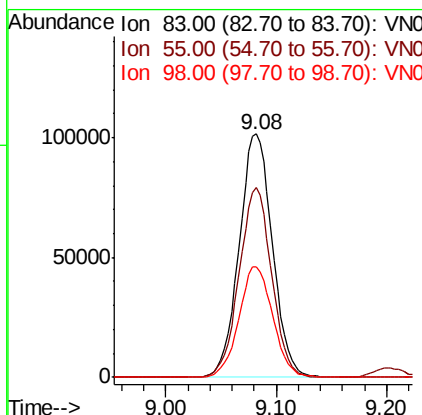
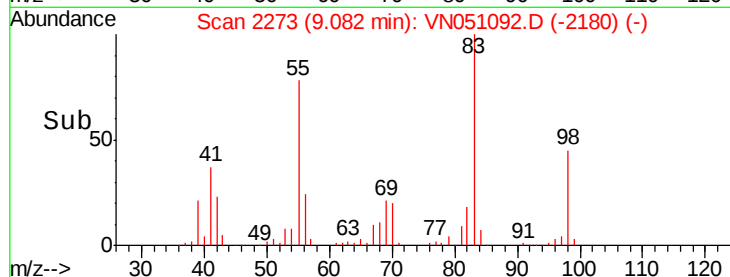
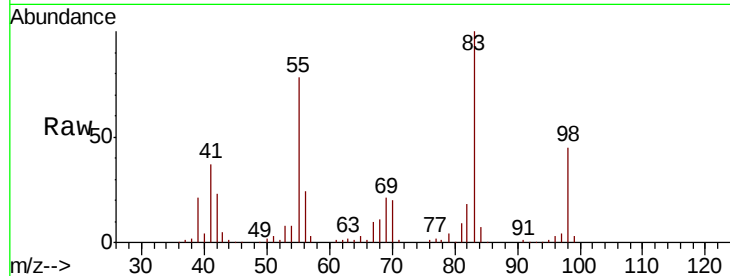
#39
Methvlcvclohexane
Concen: 18.39 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	211744		
55	77.8	58.4	87.6	
98	45.3	37.3	55.9	

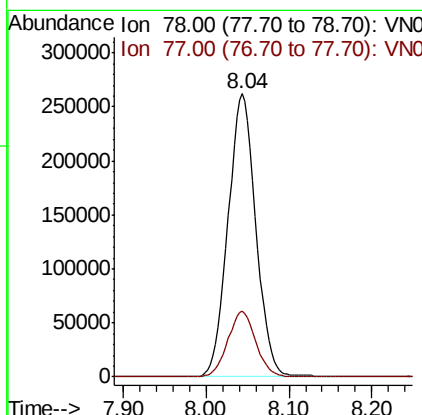
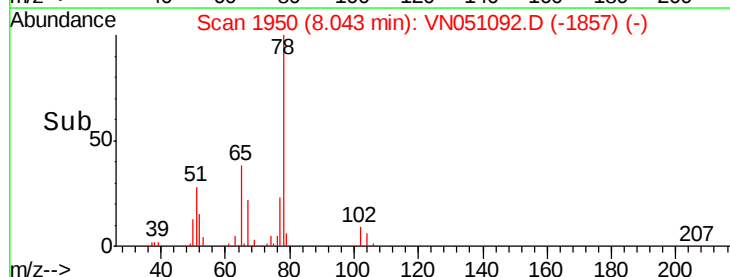
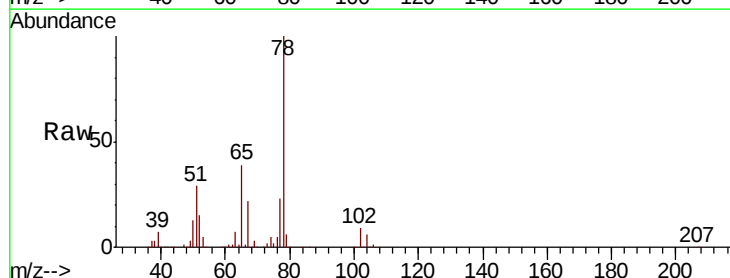
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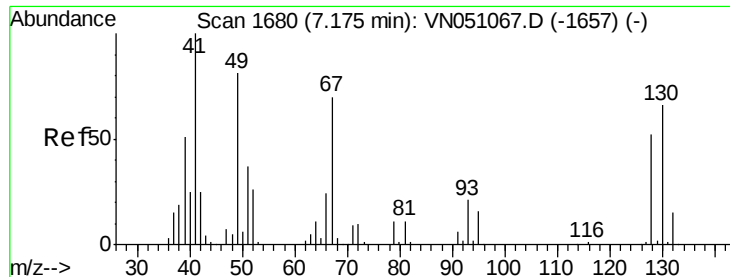
MMDadoda
9/11/2018 9:41:22 AM



#40
Benzene
Concen: 19.51 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	613339		
77	23.1	18.6	27.8	





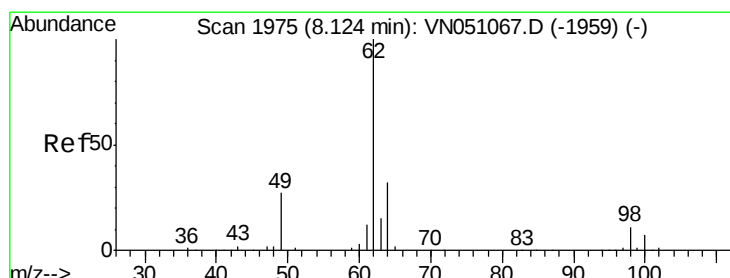
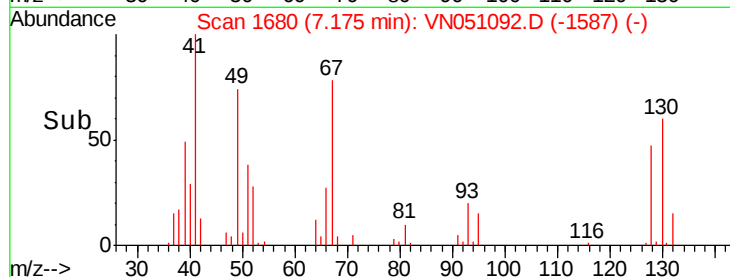
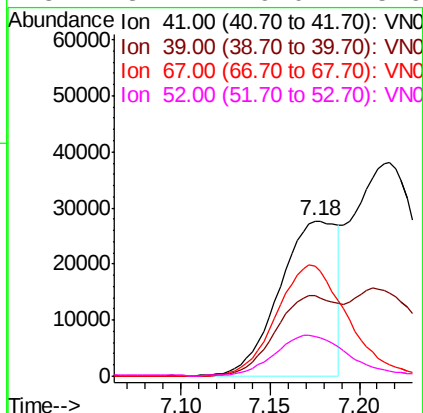
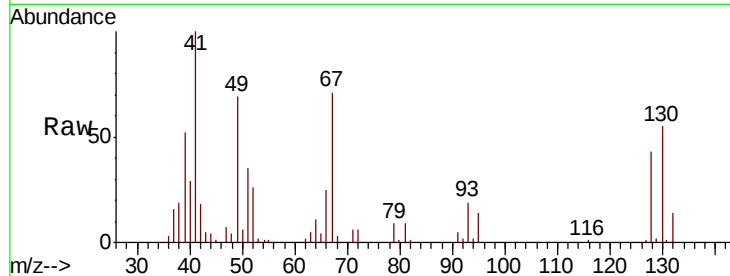
#41
Methacrylonitrile
Concen: 19.90 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion:	41	Resp:	62041
Ion	Ratio	Lower	Upper
41	100		
39	57.7	51.3	76.9
67	88.3	78.5	117.7
52	34.4	29.0	43.6

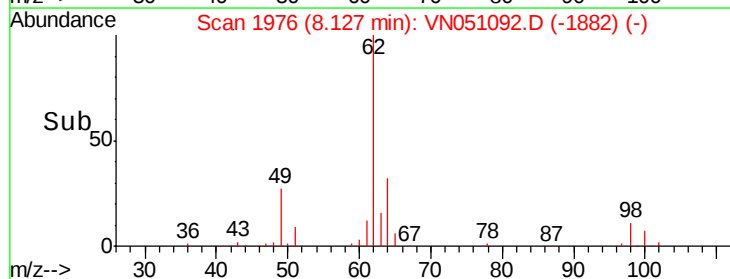
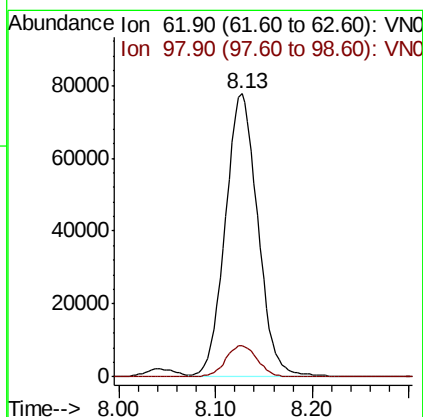
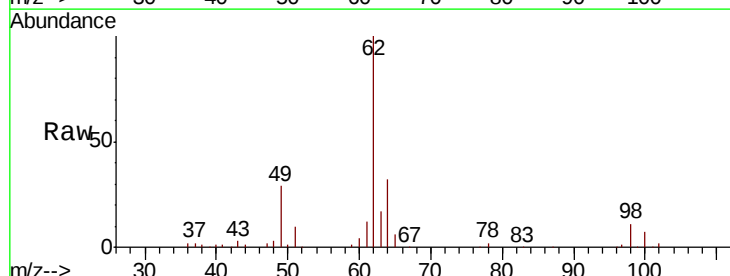
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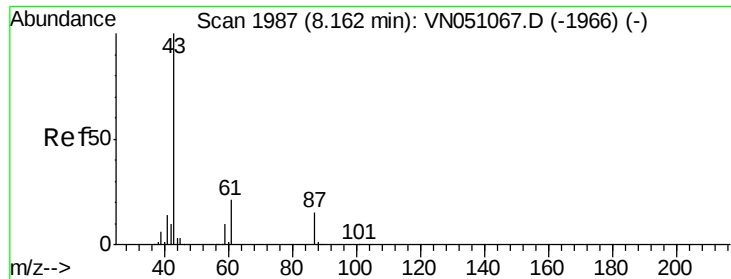
MMDadoda
9/11/2018 9:41:22 AM



#42
1,2-Dichloroethane
Concen: 19.68 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion:	62	Resp:	180364
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





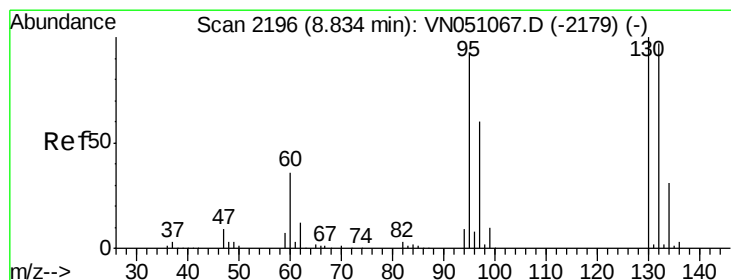
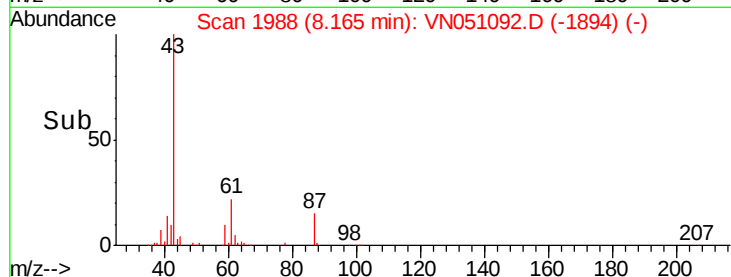
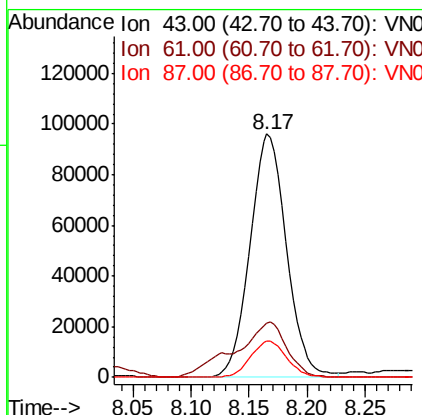
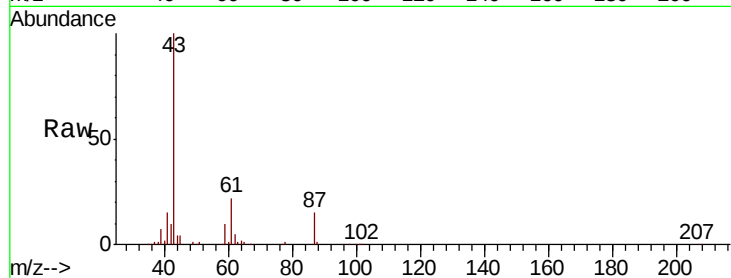
#43
Isopropyl Acetate
Concen: 19.75 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.0	37.6
87	14.8	11.8	17.8

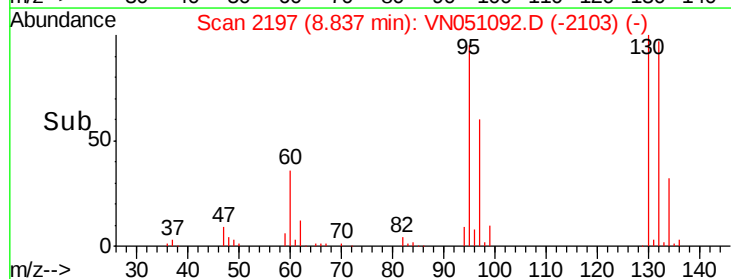
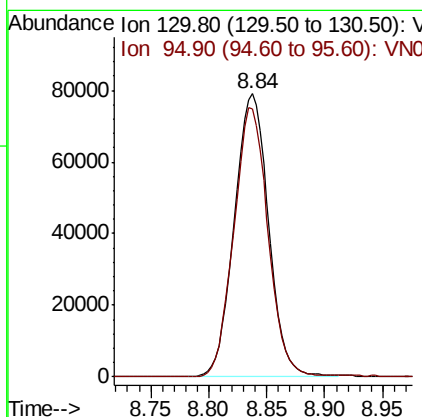
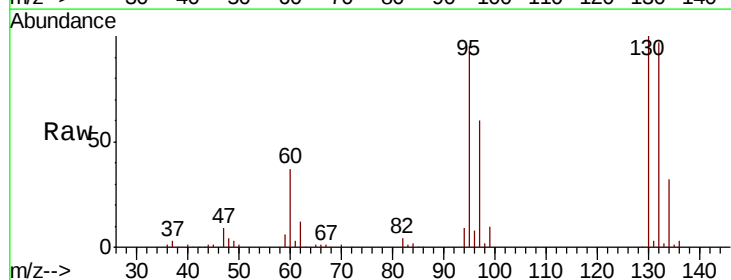
Manual Integrations
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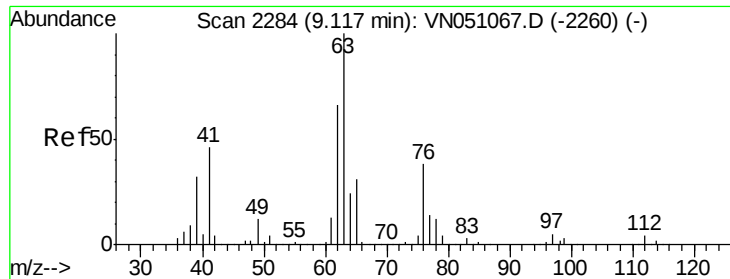
MMDadoda
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#44
Trichloroethene
Concen: 18.87 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	186.2





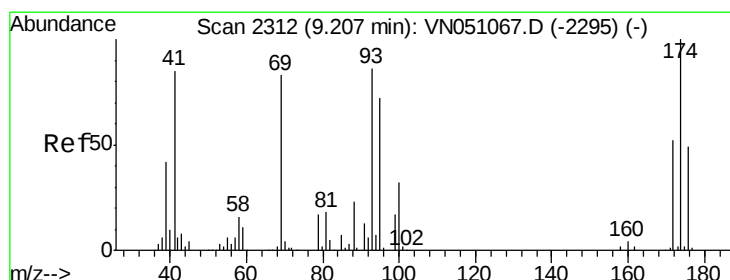
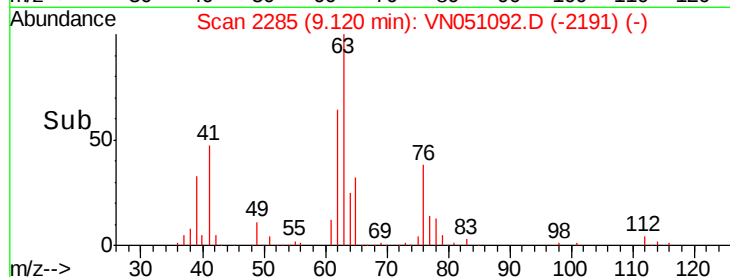
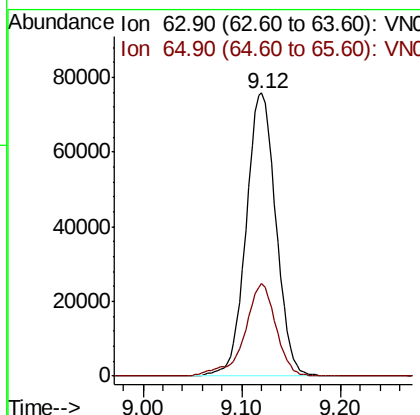
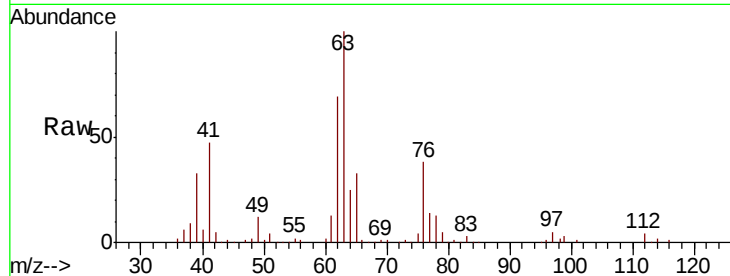
#45
 1,2-Dichloropropane
 Concen: 19.46 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion: 63 Resp: 158105
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.7 37.1

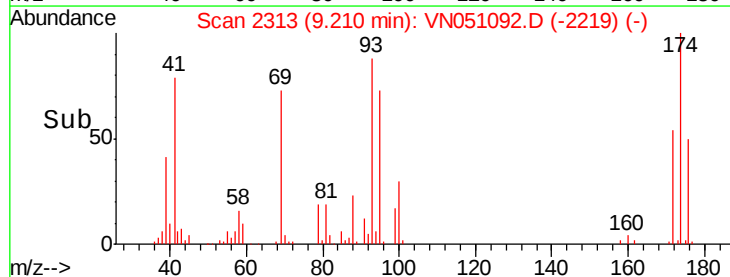
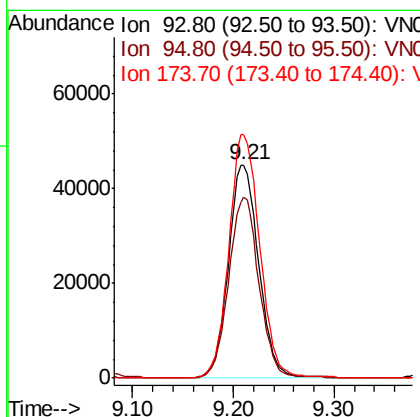
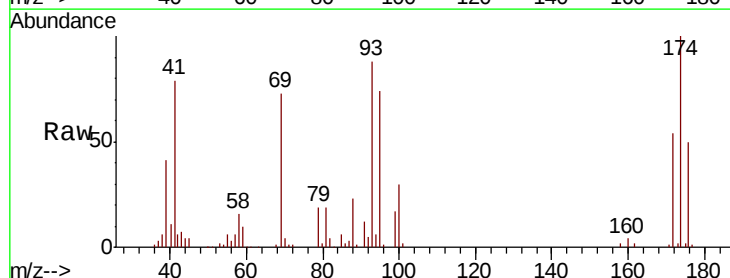
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#46
 Dibromomethane
 Concen: 19.06 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 93 Resp: 94478
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.8 100.2
 174 116.3 93.3 139.9





#47

Bromodichloromethane

Concen: 19.39 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

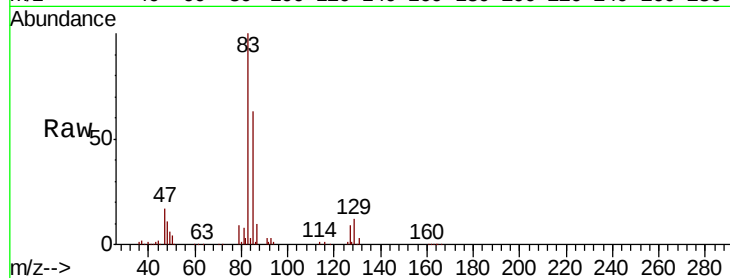
ClientSampleId :

VN0910MBS02

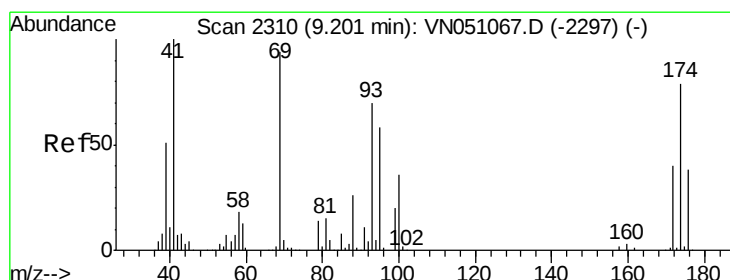
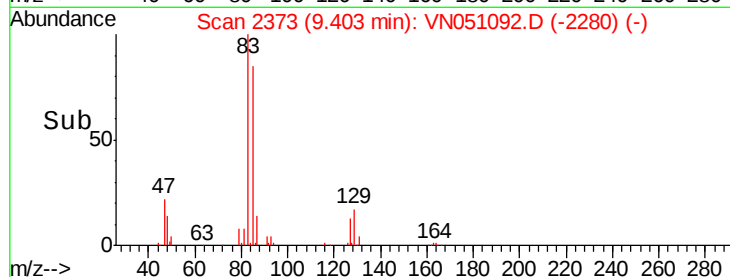
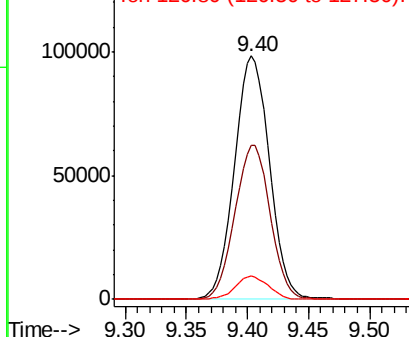
Tot Ion:	83	Resp:	195462
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.3	78.5
127	9.4	7.5	11.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 19.30 ug/l

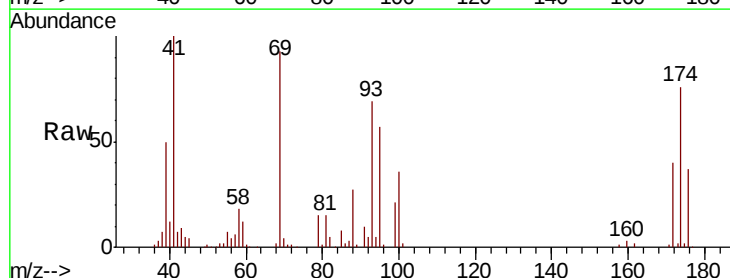
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

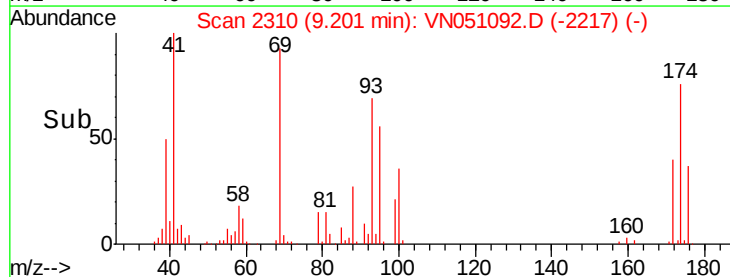
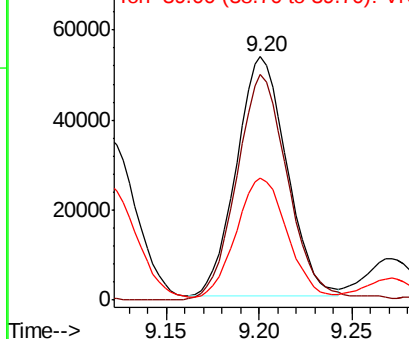
Lab File: VN051092.D

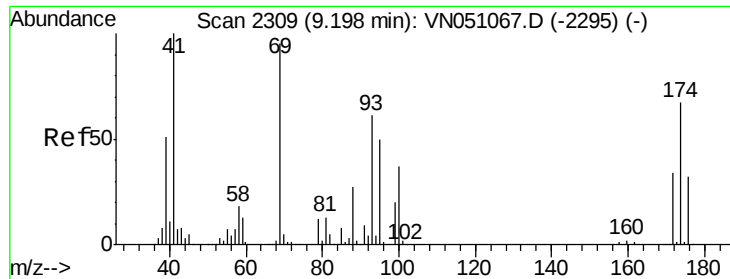
Acq: 10 Sep 2018 21:54

Tgt Ion:	41	Resp:	100274
Ion Ratio	Lower	Upper	
41	100		
69	96.7	77.7	116.5
39	52.4	41.6	62.4



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





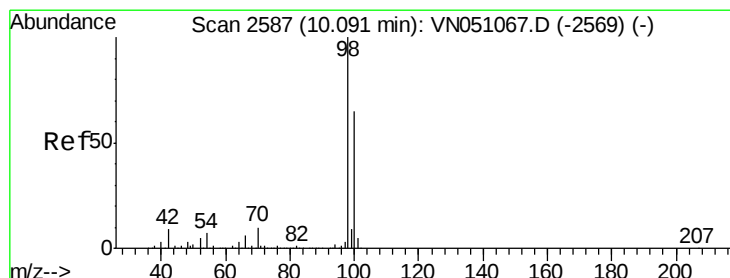
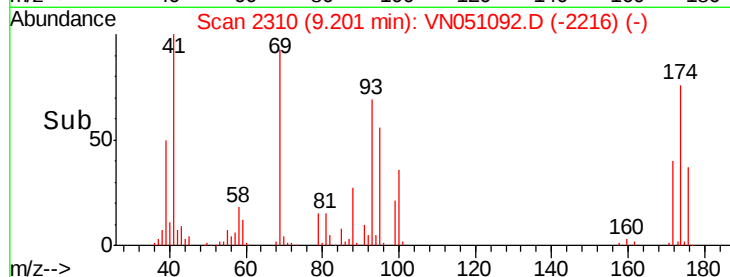
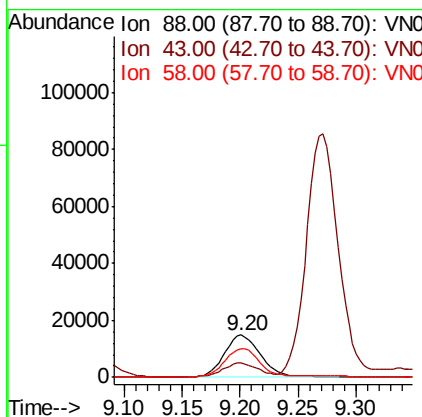
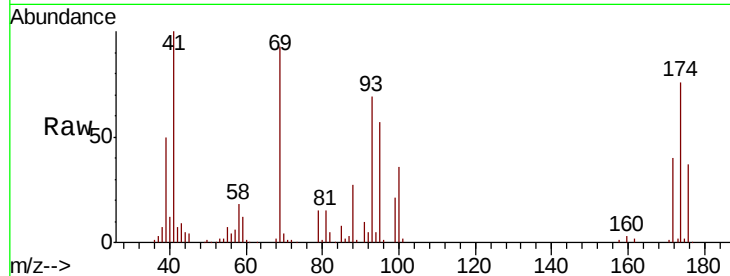
#49
1,4-Dioxane
Concen: 399.03 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	88	Resp	32515
Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.7	35.5
58	65.4	54.6	82.0

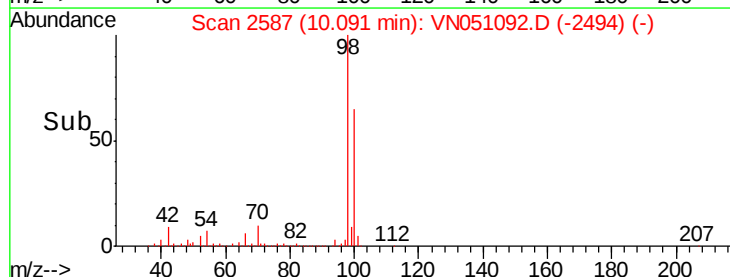
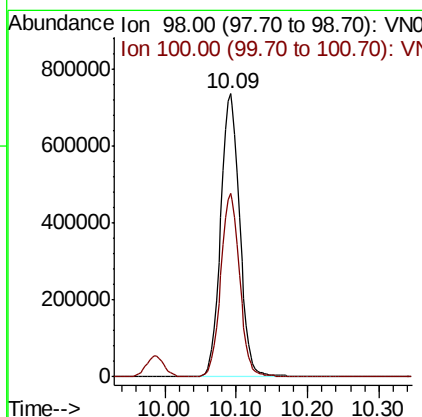
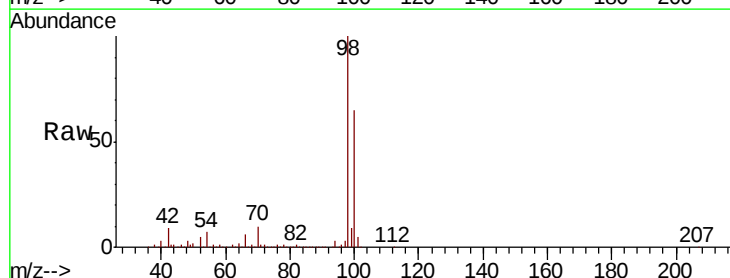
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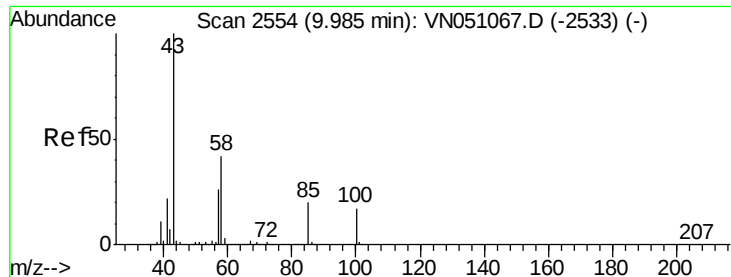
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#50
Toluene-d8
Concen: 50.22 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	98	Resp	1360860
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 101.28 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

Tot Ion: 43 Resp: 597236

Ion Ratio Lower Upper

43 100

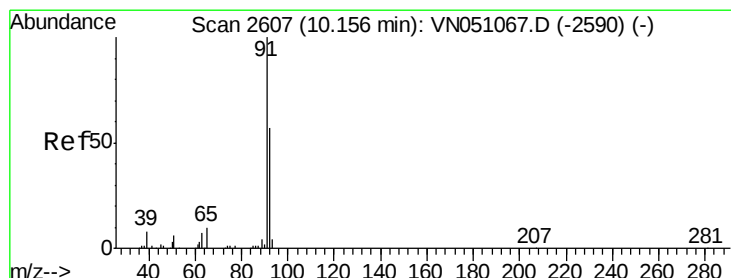
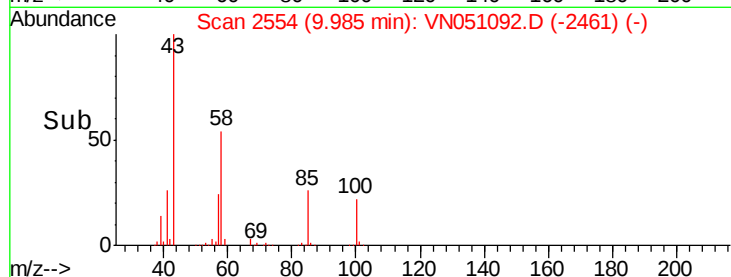
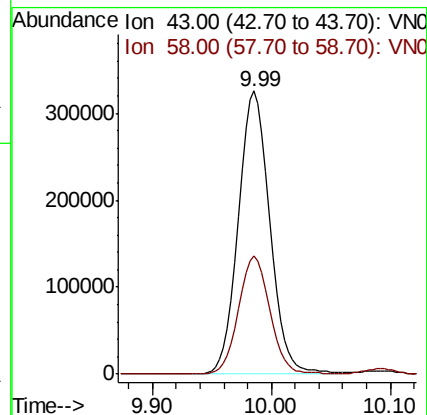
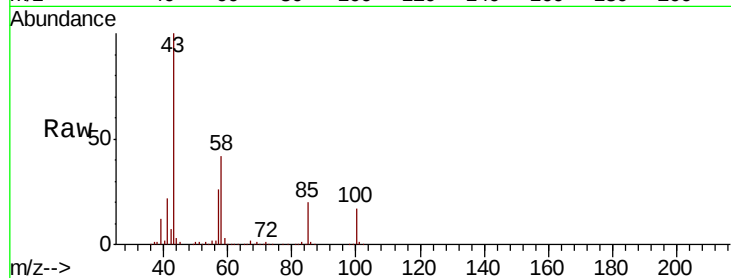
58 41.5 33.5 50.3

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#52

Toluene

Concen: 19.68 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051092.D

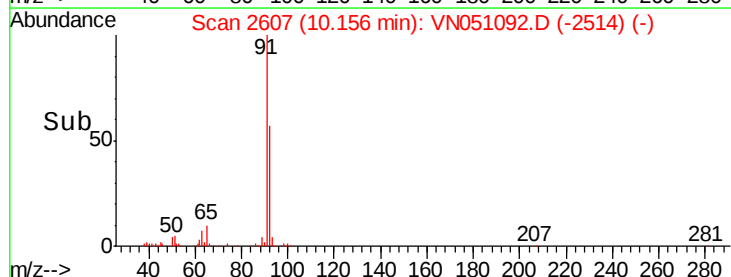
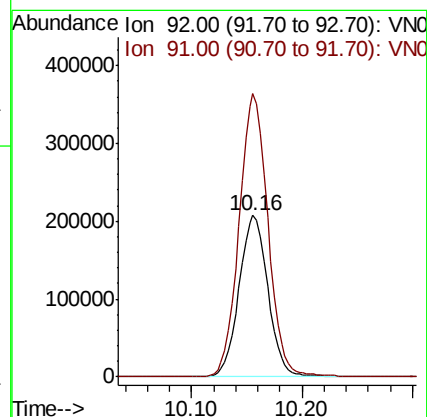
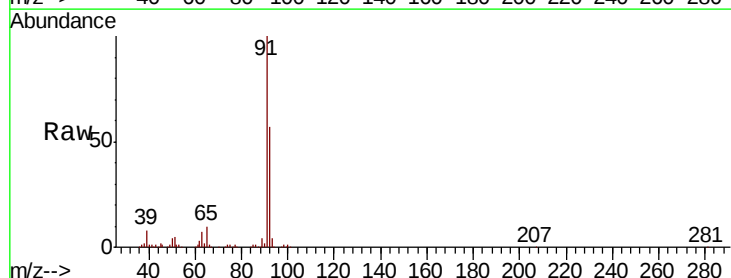
Acq: 10 Sep 2018 21:54

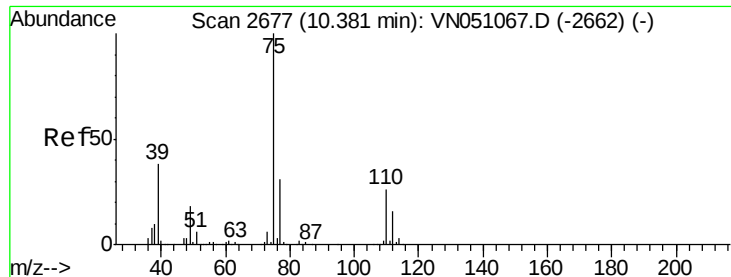
Tgt Ion: 92 Resp: 377335

Ion Ratio Lower Upper

92 100

91 174.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.31 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

Tot Ion: 75 Resp: 184685

Ion Ratio Lower Upper

75 100

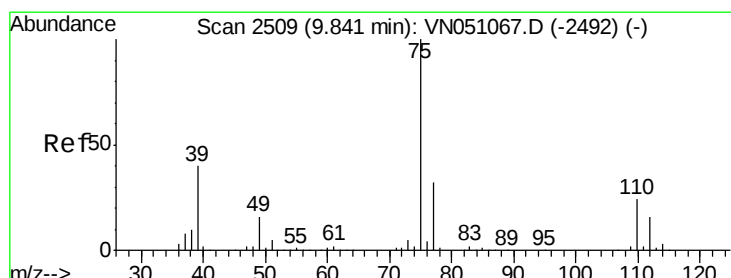
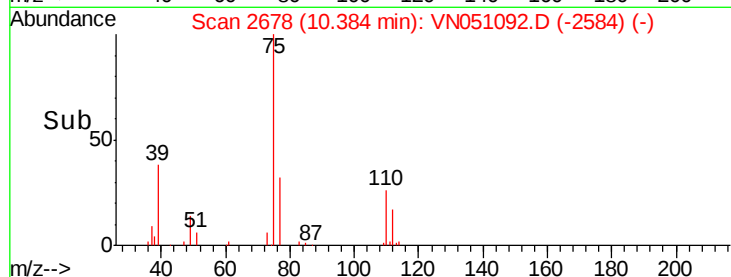
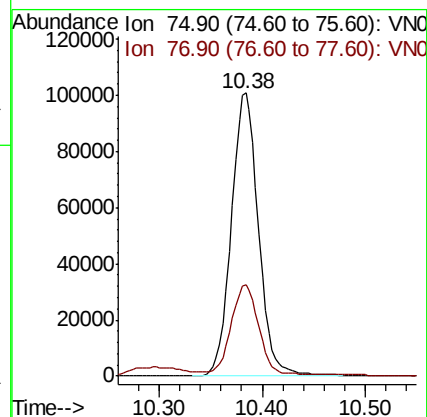
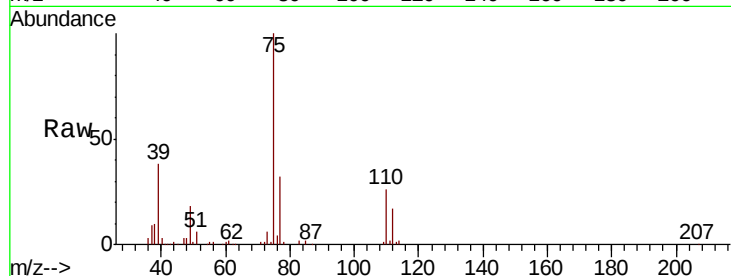
77 31.9 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 18.67 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

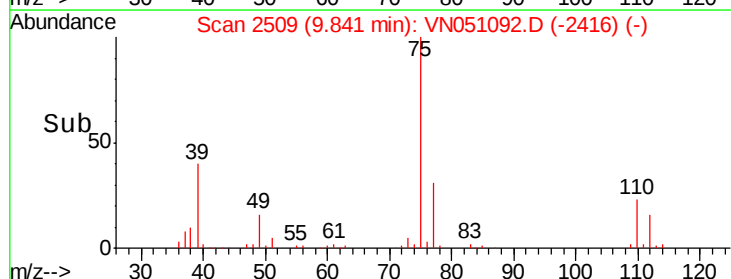
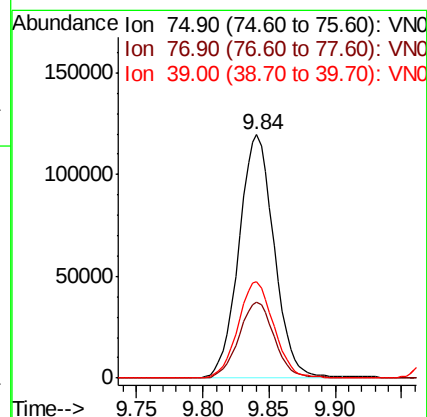
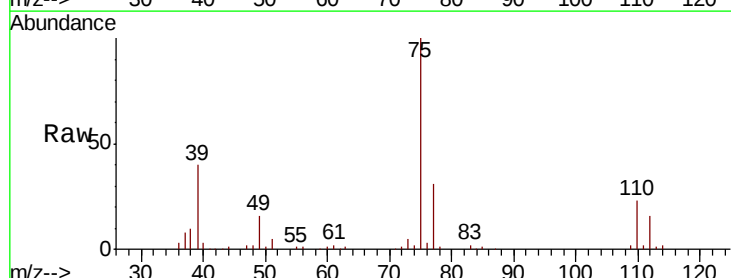
Tgt Ion: 75 Resp: 220886

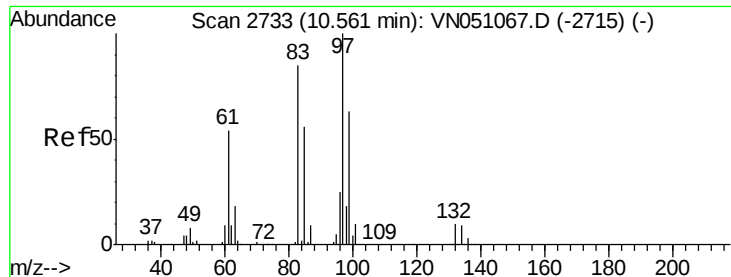
Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

39 39.6 31.9 47.9





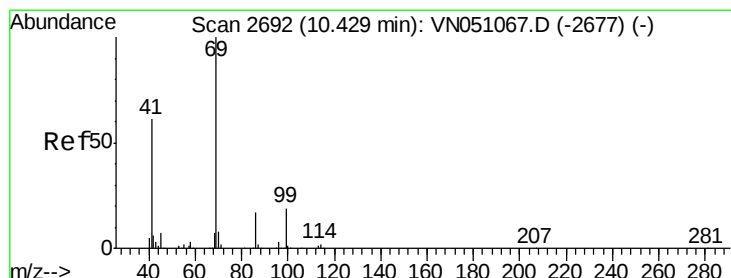
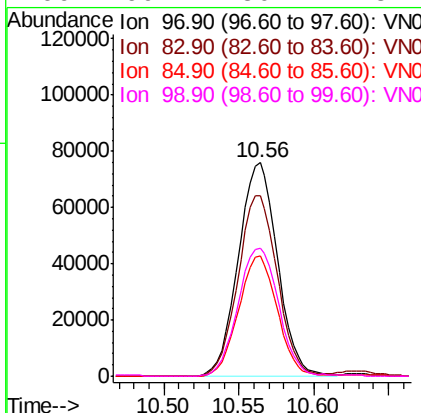
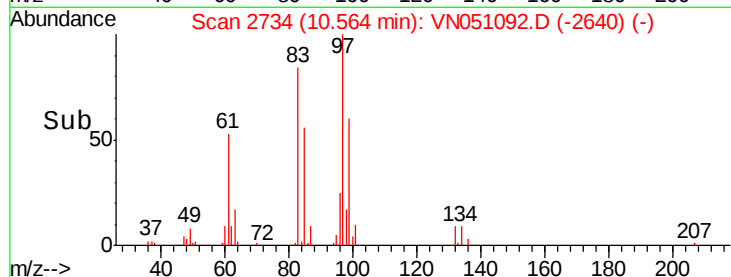
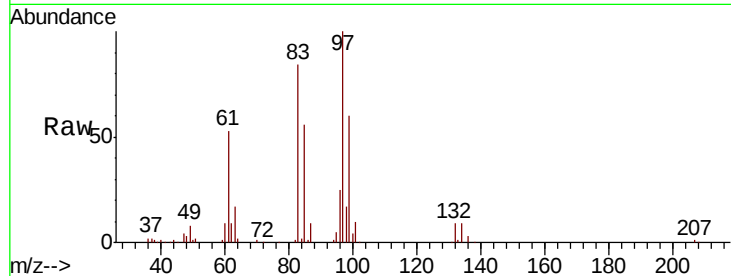
#55
 1,1,2-Trichloroethane
 Concen: 19.93 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		138834		
83	84.5	68.2	102.2		
85	56.1	44.8	67.2		
99	60.1	50.2	75.4		

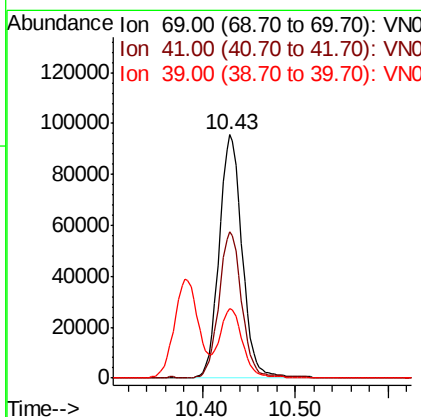
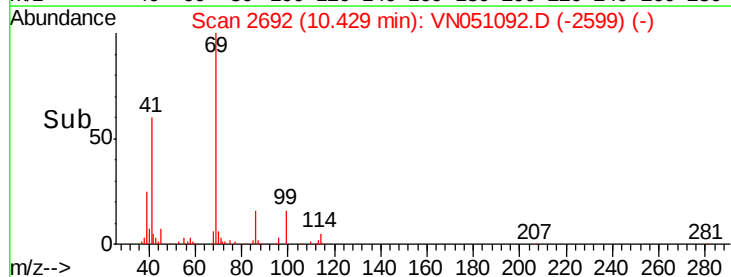
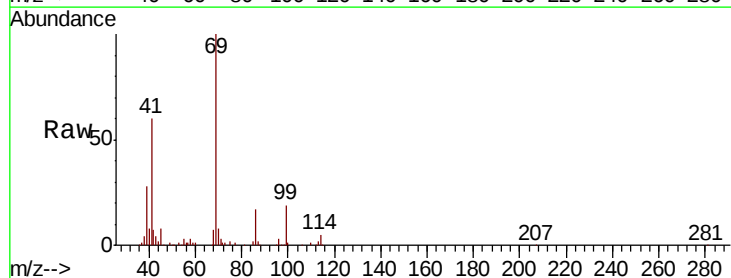
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#56
 Ethyl methacrylate
 Concen: 19.19 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		164463		
41	59.6	47.8	71.8		
39	26.6	23.0	34.4		





#57

1,3-Dichloropropane

Concen: 19.83 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

Tot Ion: 76 Resp: 228914

Ion Ratio Lower Upper

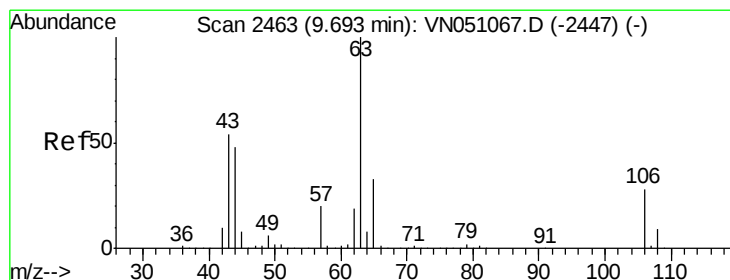
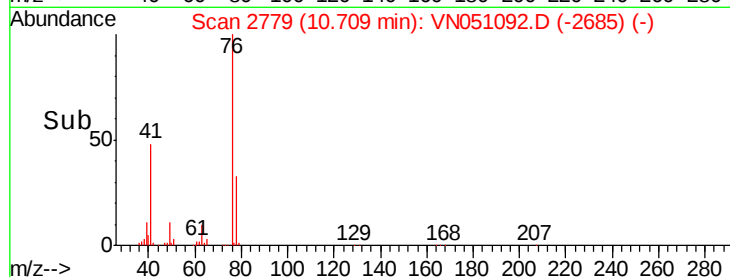
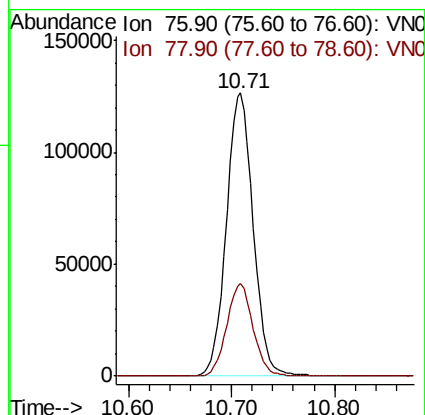
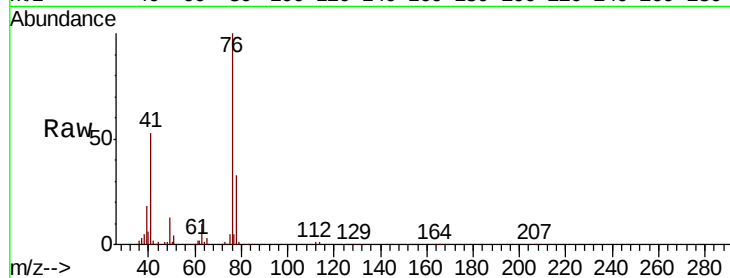
76 100

78 32.0 26.1 39.1

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 94.45 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051092.D

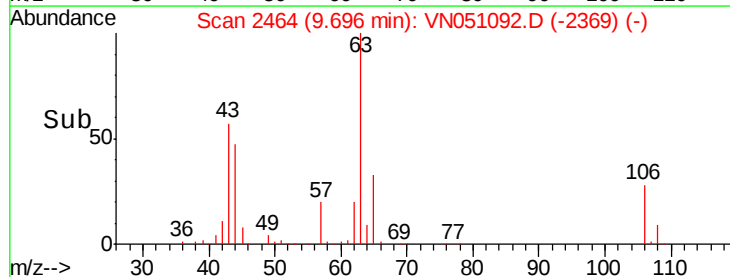
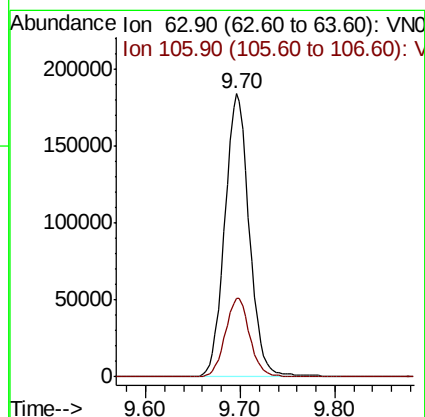
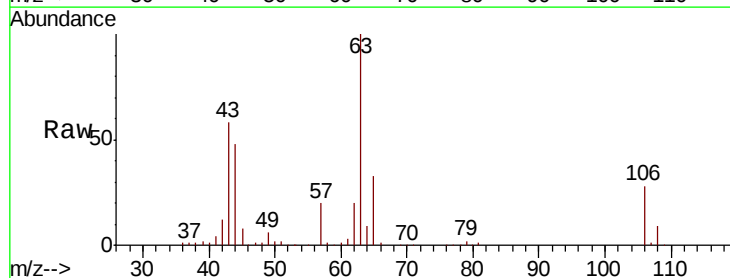
Acq: 10 Sep 2018 21:54

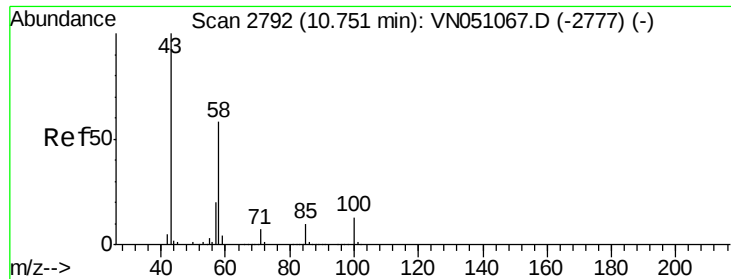
Tgt Ion: 63 Resp: 331440

Ion Ratio Lower Upper

63 100

106 27.8 22.5 33.7





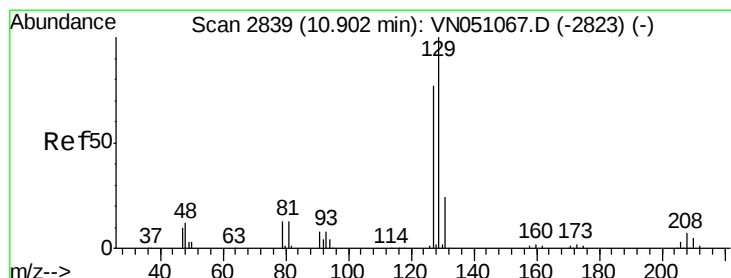
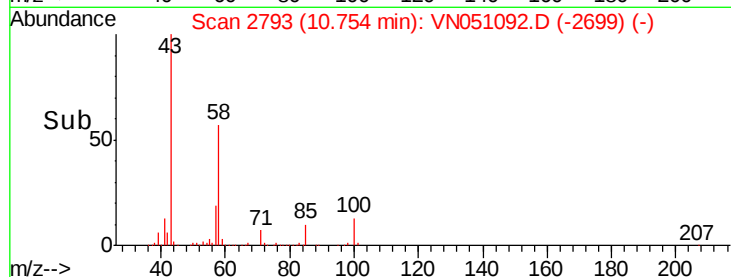
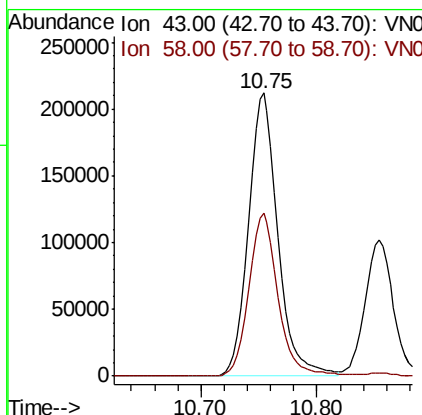
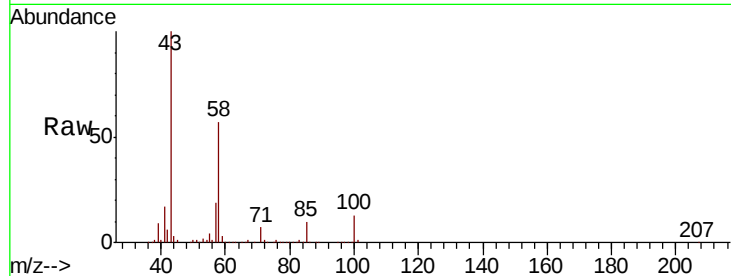
#59
2-Hexanone
Concen: 93.72 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion: 43 Resp: 374804
Ion Ratio Lower Upper
43 100
58 57.3 29.3 88.0

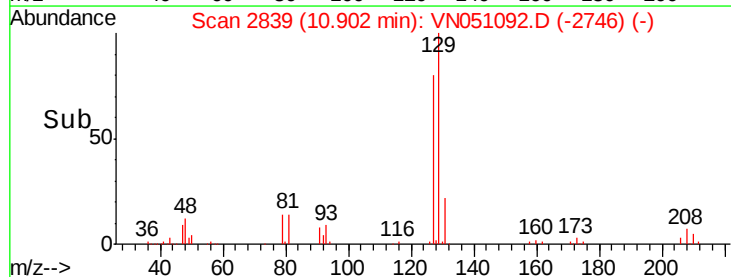
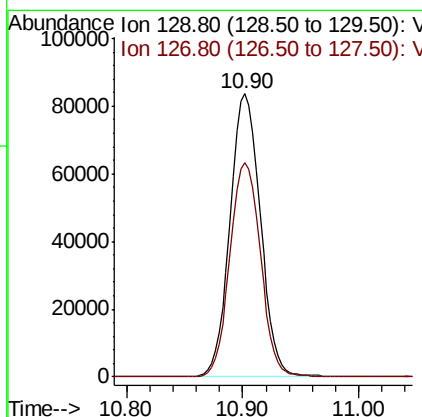
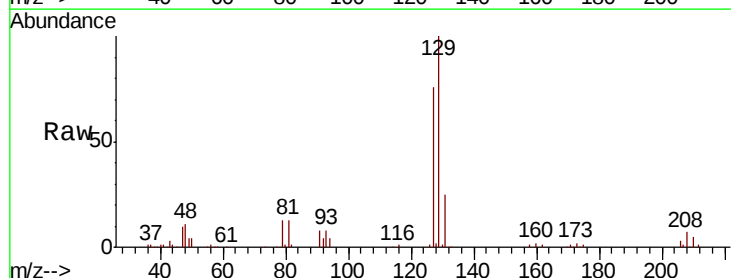
Manual Integrations
APPROVED

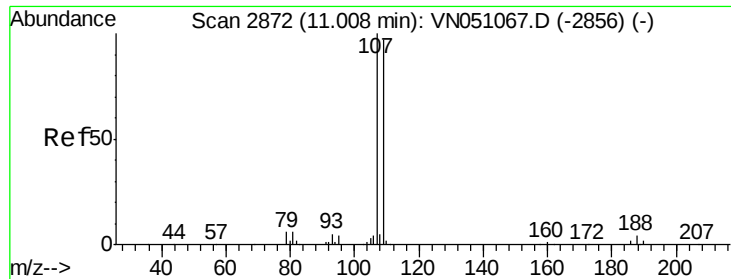
MMDadoda
9/11/2018 9:41:22 AM



#60
Dibromochloromethane
Concen: 19.43 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 129 Resp: 152523
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.40 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

Tot Ion:107 Resp: 132052

Ion Ratio Lower Upper

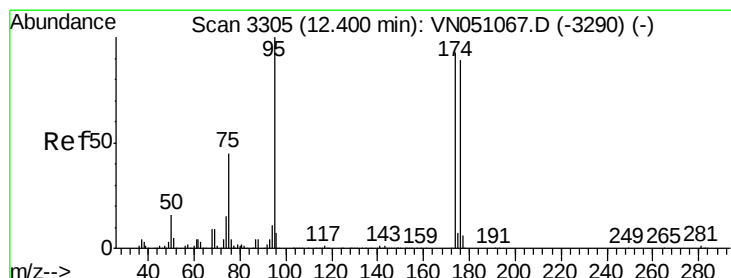
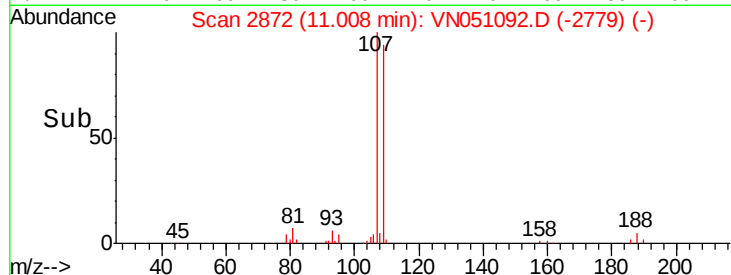
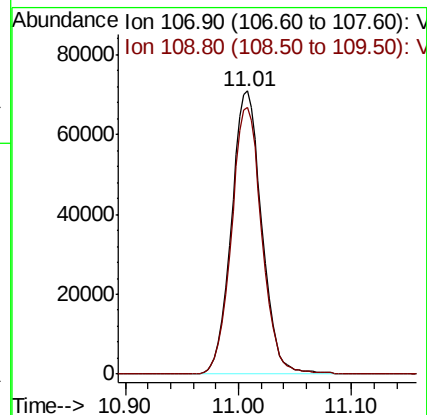
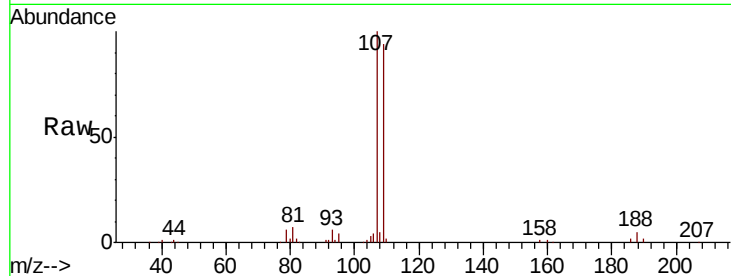
107 100

109 94.6 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:41:22 AM



#62

4-Bromofluorobenzene

Concen: 47.55 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

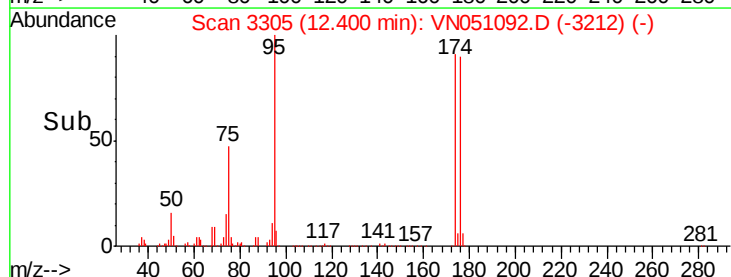
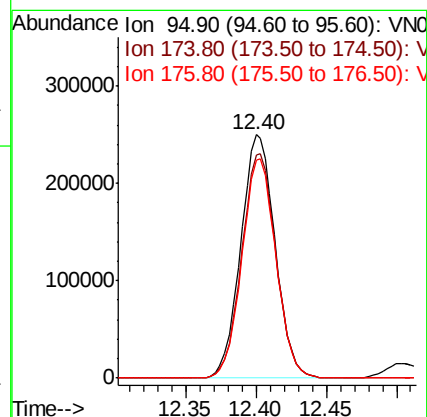
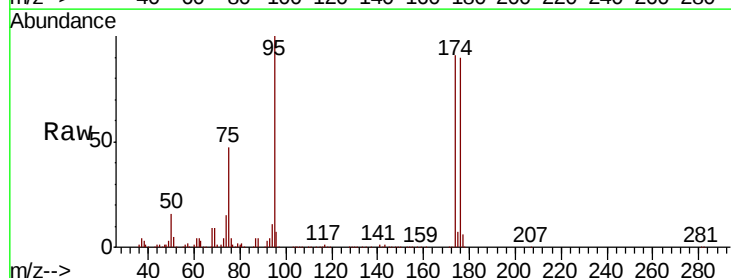
Tgt Ion: 95 Resp: 426276

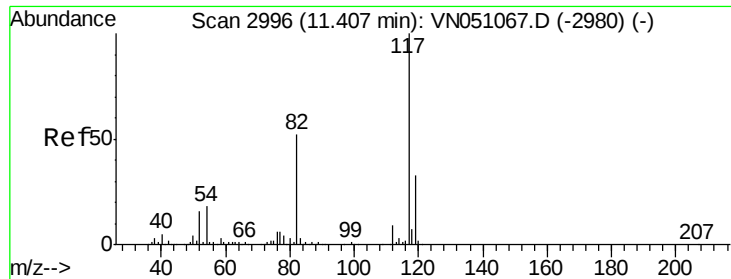
Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.8

176 89.5 0.0 178.6





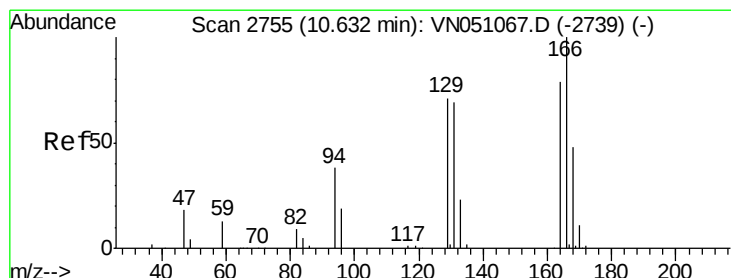
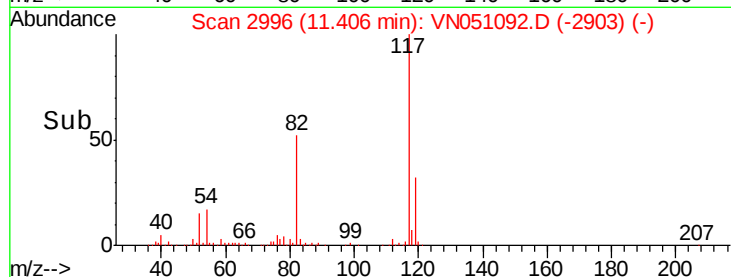
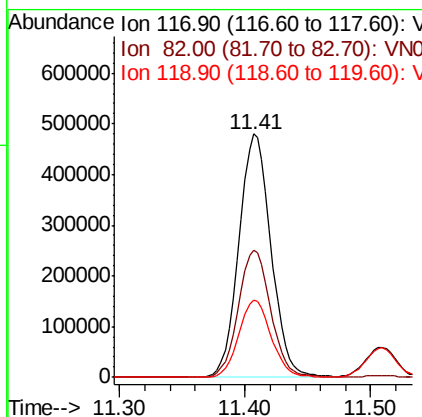
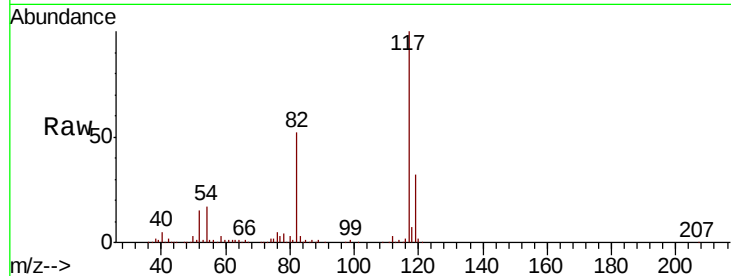
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.6
119	31.8	26.2	39.2

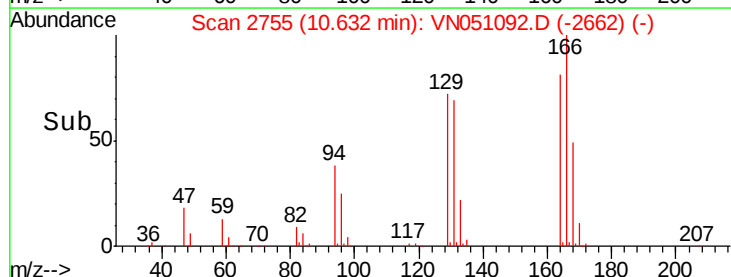
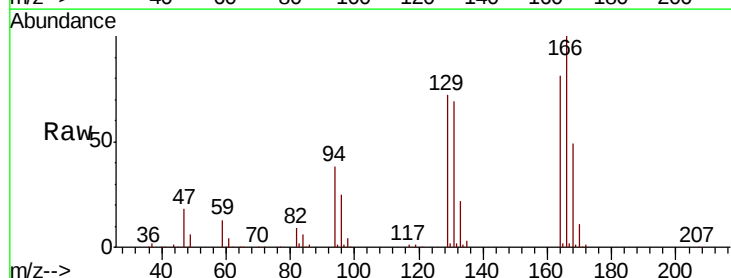
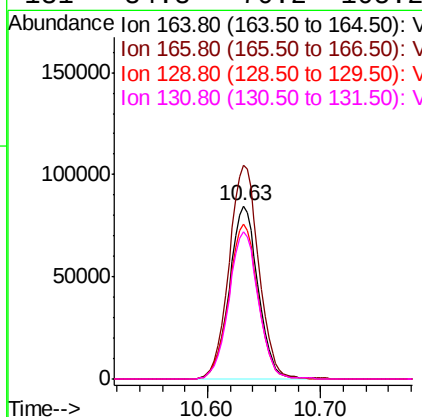
Manual Integrations
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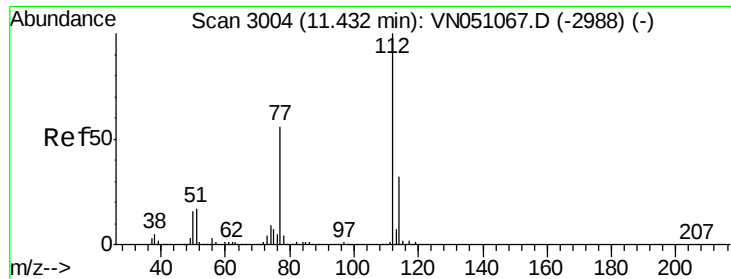
MMDadoda
9/11/2018 9:41:22 AM



#64
Tetrachloroethene
Concen: 19.17 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.3	151.9
129	89.5	72.2	108.2
131	84.8	70.2	105.2





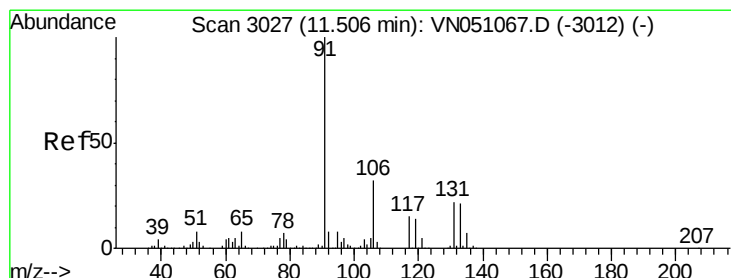
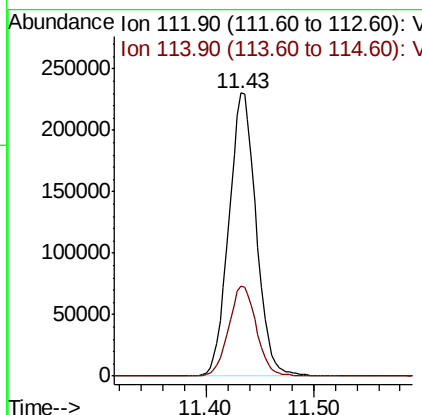
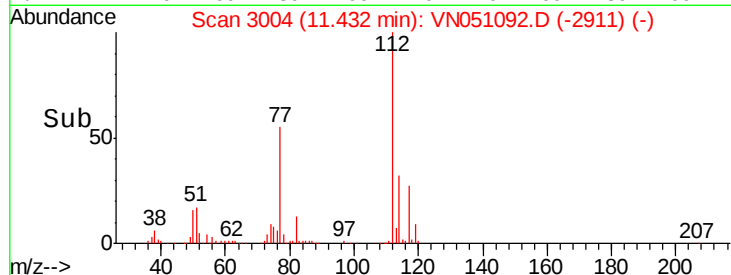
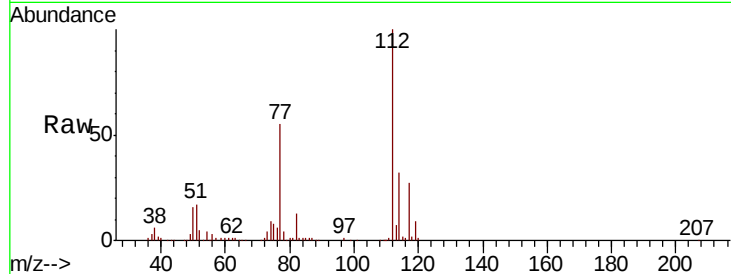
#65
Chlorobenzene
Concen: 18.91 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion:112 Resp: 407206
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

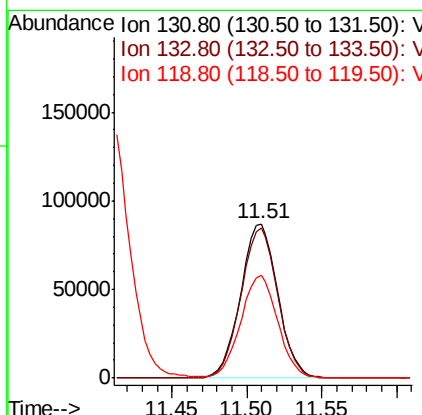
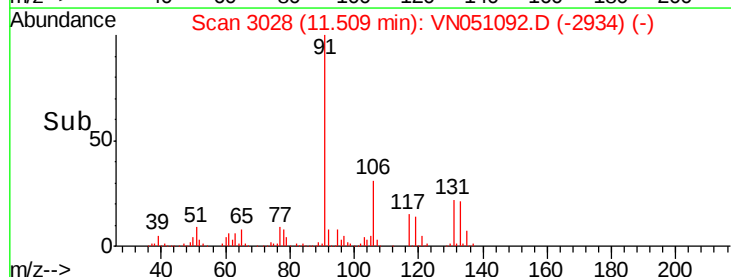
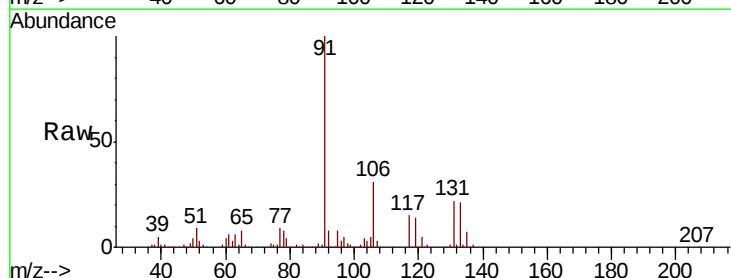
Manual Integrations
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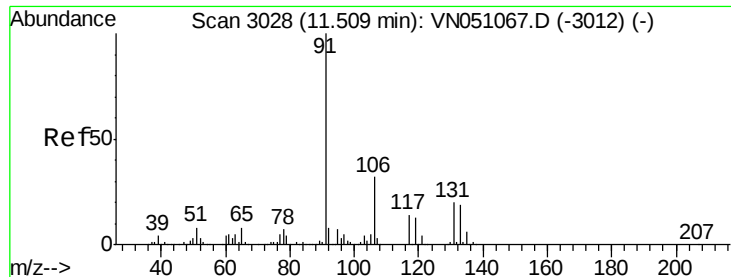
MMDadoda
9/11/2018 9:41:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.42 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion:131 Resp: 150579
Ion Ratio Lower Upper
131 100
133 96.6 47.5 142.6
119 66.7 33.2 99.6





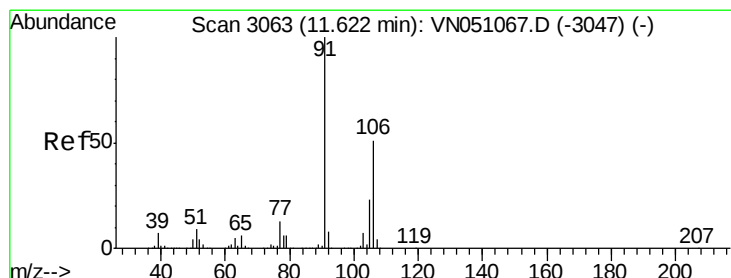
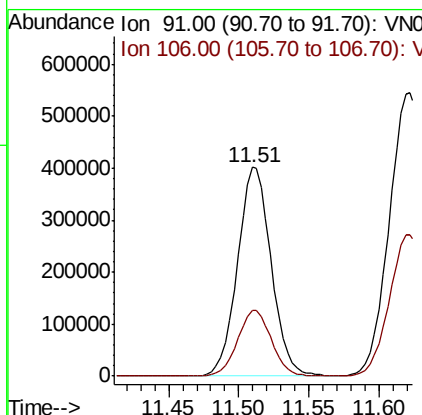
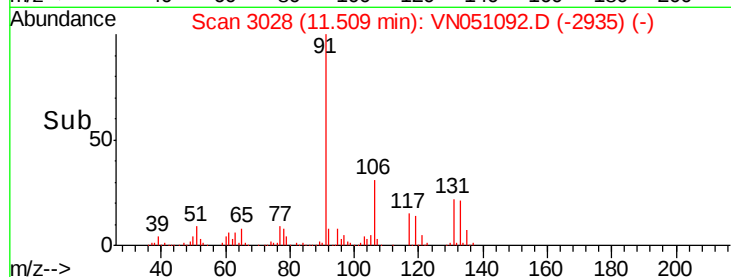
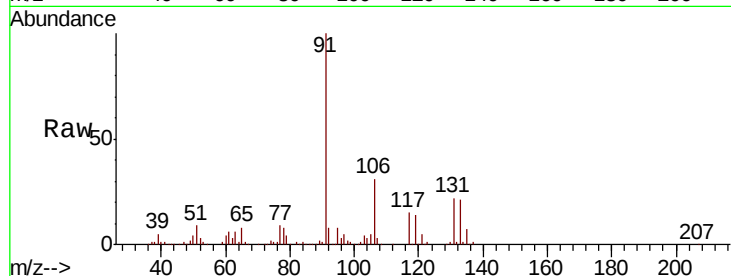
#67
Ethyl Benzene
Concen: 19.26 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion: 91 Resp: 671478
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

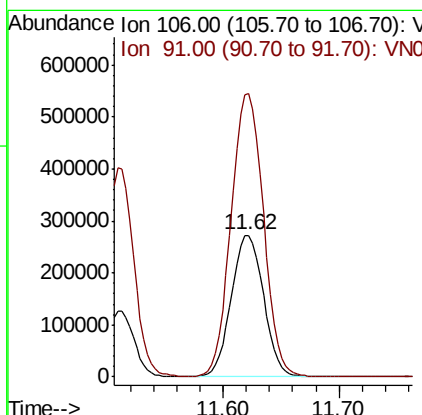
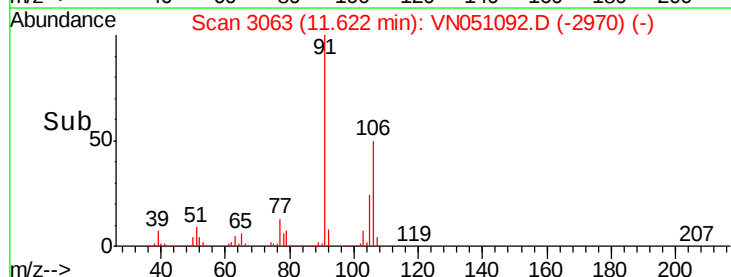
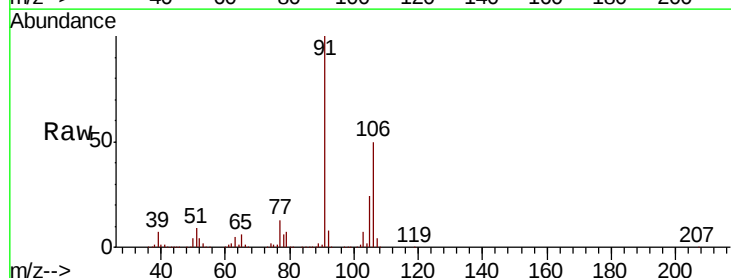
Manual Integrations
APPROVED

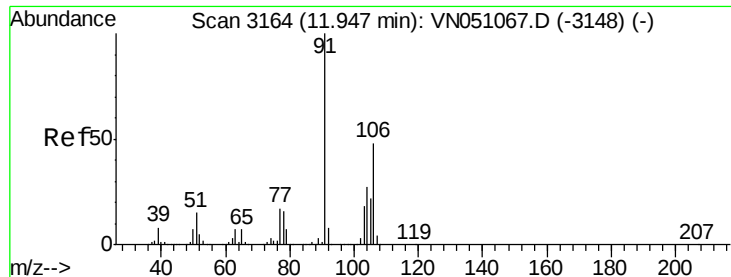
MMDadoda
9/11/2018 9:41:22 AM



#68
m/p-Xylenes
Concen: 39.35 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 106 Resp: 527121
Ion Ratio Lower Upper
106 100
91 200.5 159.8 239.6





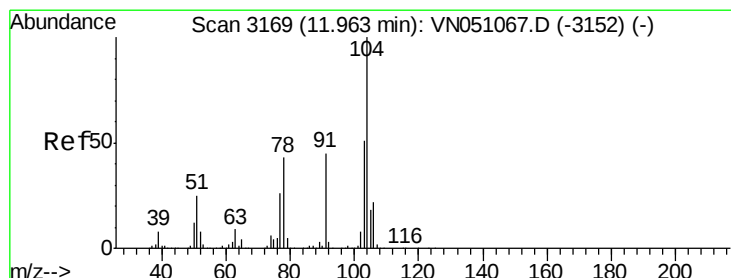
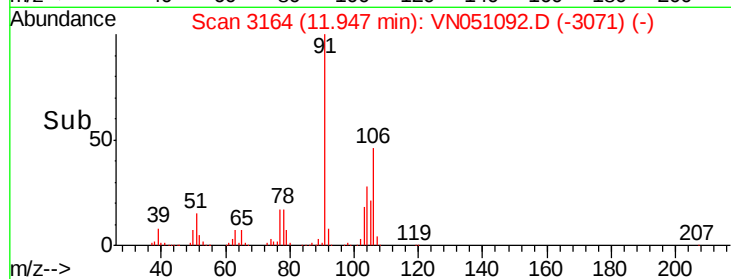
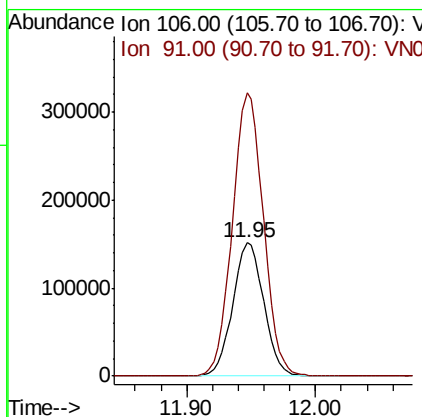
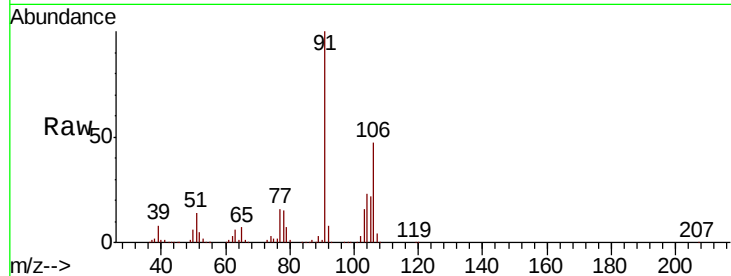
#69
o-Xylene
Concen: 19.48 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ion	Ratio	Lower	Upper
252707	106			
100	106	100		
212.7	91		105.1	315.1

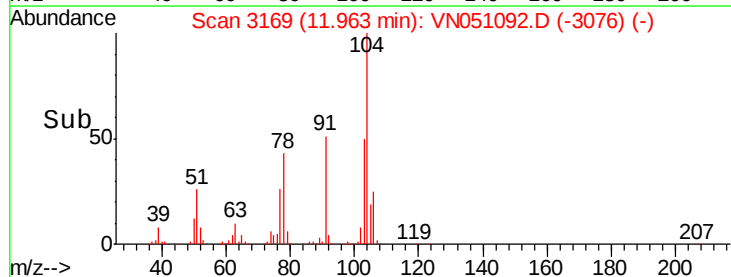
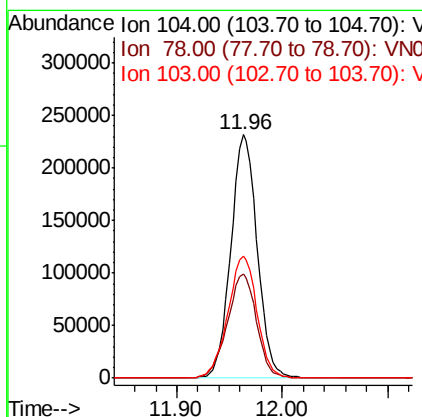
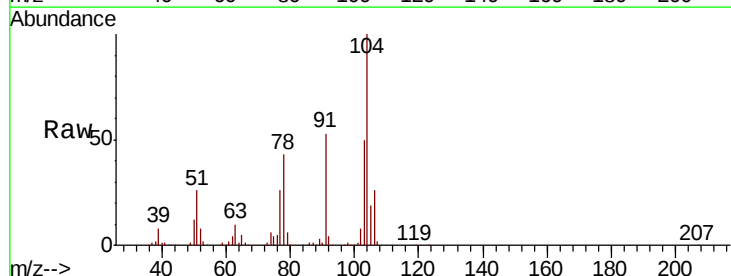
Manual Integrations
APPROVED

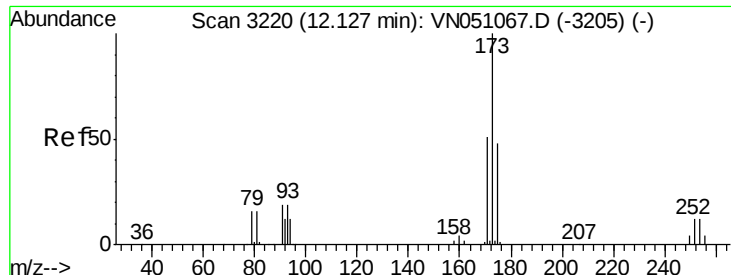
MMDadoda
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#70
Styrene
Concen: 19.93 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ion	Ratio	Lower	Upper
401019	104			
100	104	100		
47.2	78		37.7	56.5
55.3	103		44.6	67.0





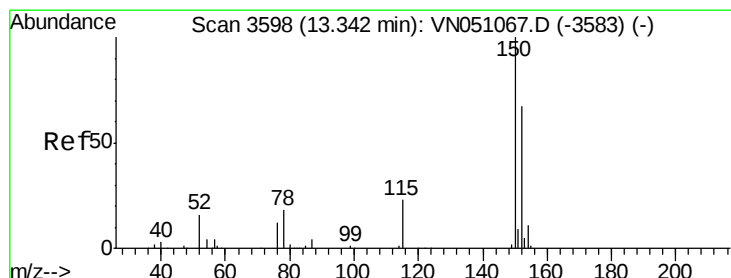
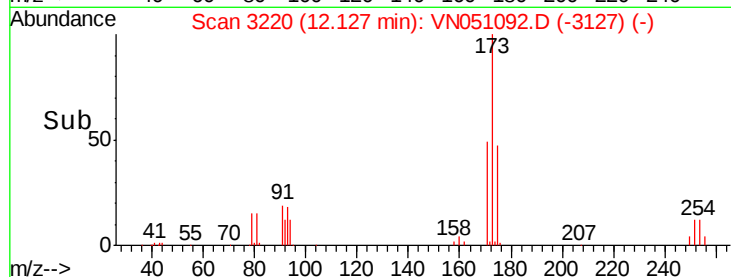
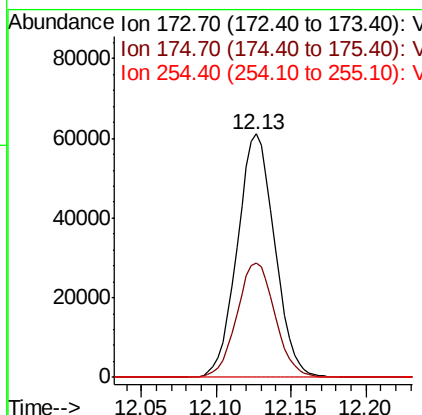
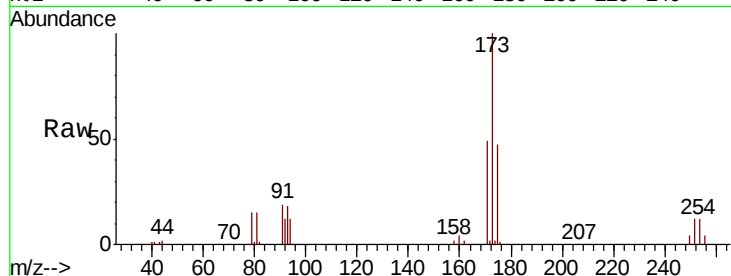
#71
Bromoform
Concen: 19.47 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.9
254	0.0	0.0	0.0

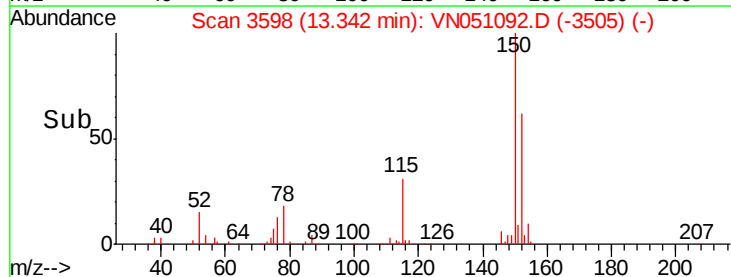
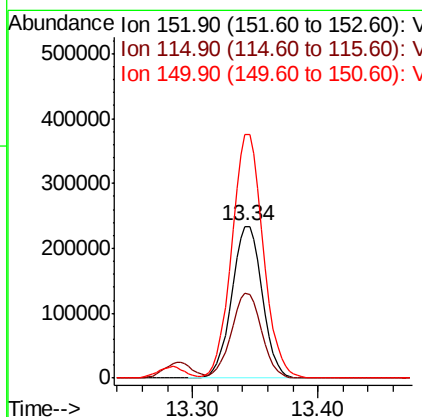
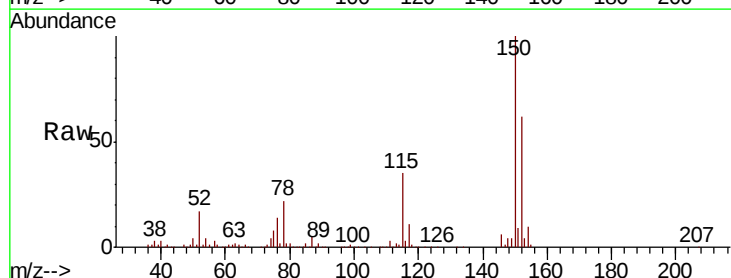
Manual Integrations
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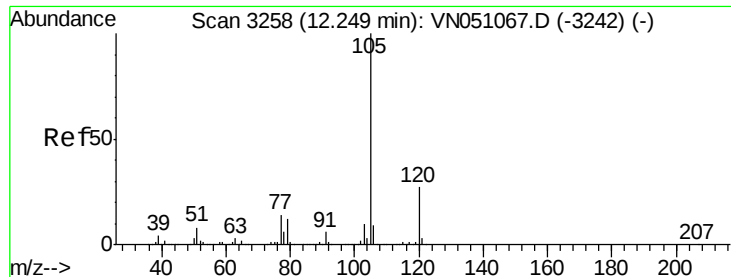
MMDadoda
9/11/2018 9:41:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.7
150	165.1	0.0	349.0





#73

Isopropylbenzene

Concen: 20.22 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

Tot Ion:105 Resp: 667938

Ion Ratio Lower Upper

105 100

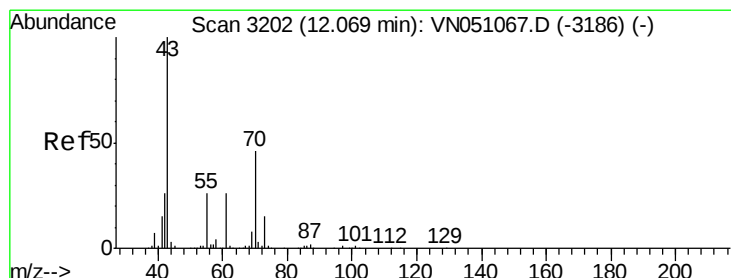
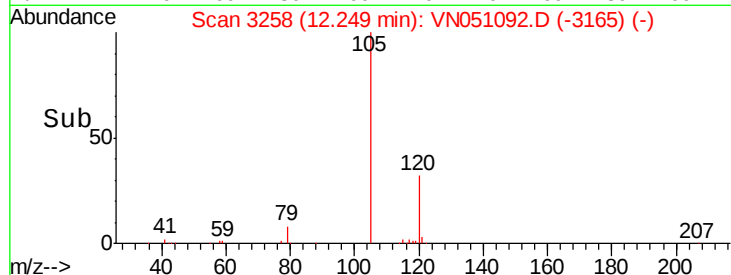
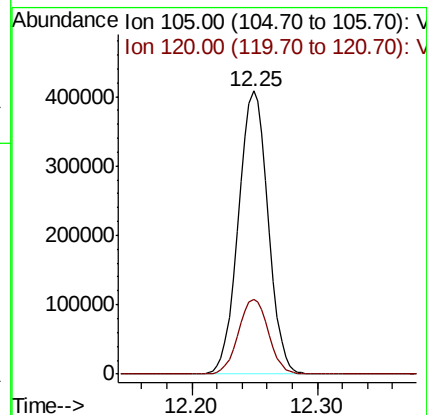
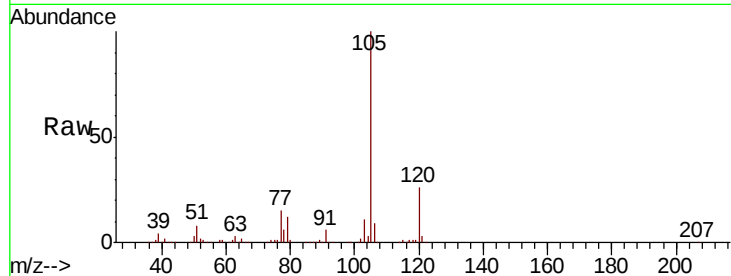
120 26.7 13.6 40.7

Manual Integrations

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MMDadoda

9/11/2018 9:41:22 AM



#74

N-ethyl acetate

Concen: 18.78 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Tgt Ion: 43 Resp: 156173

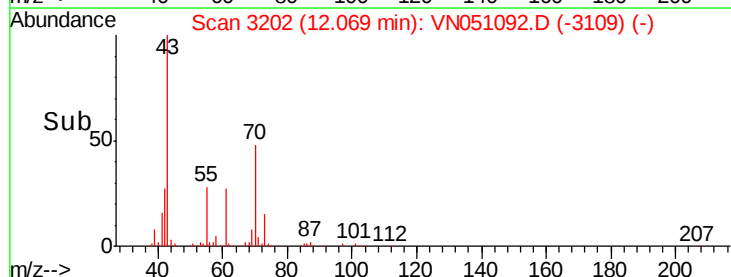
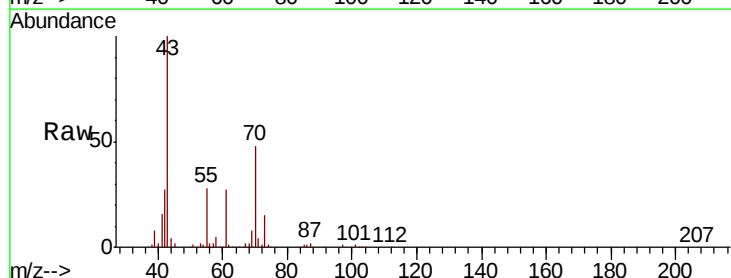
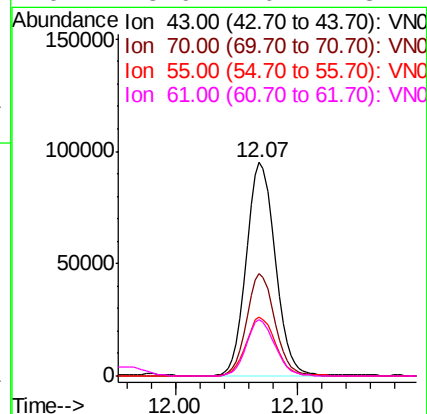
Ion Ratio Lower Upper

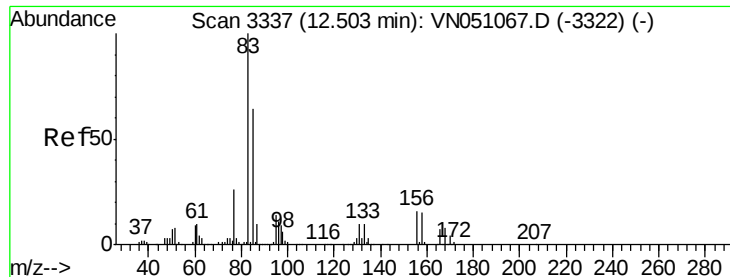
43 100

70 46.4 37.0 55.4

55 27.9 21.3 31.9

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.83 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

Tot Ion: 83 Resp: 172295

Ion Ratio Lower Upper

83 100

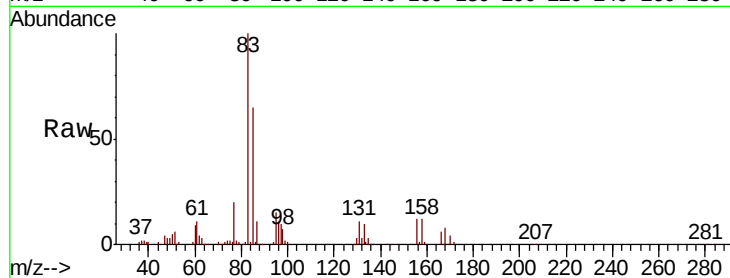
131 10.5 5.3 16.1

85 65.4 32.3 96.8

Manual Integrations
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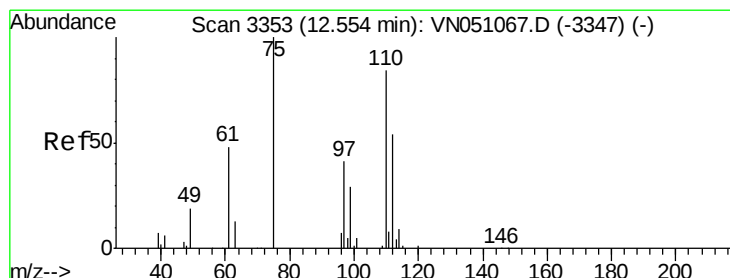
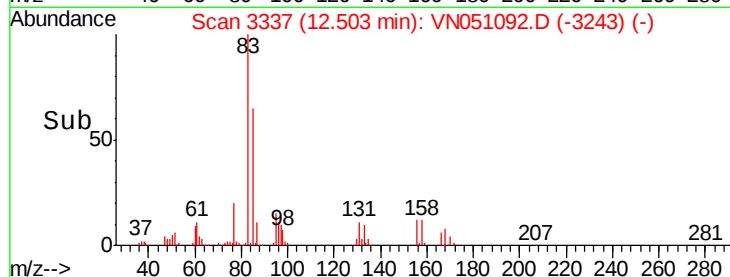
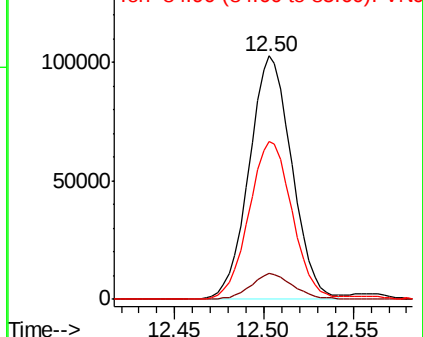
9/11/2018 9:41:22 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051067.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 22.76 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051092.D

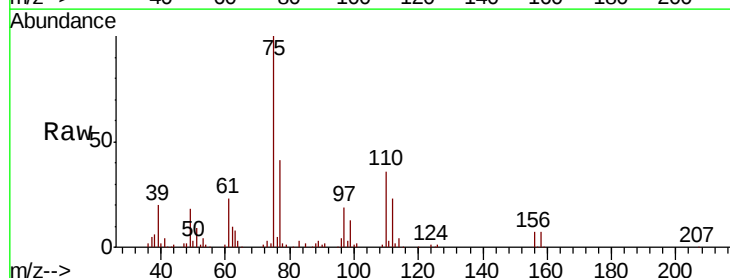
Acq: 10 Sep 2018 21:54

Tgt Ion: 75 Resp: 143951

Ion Ratio Lower Upper

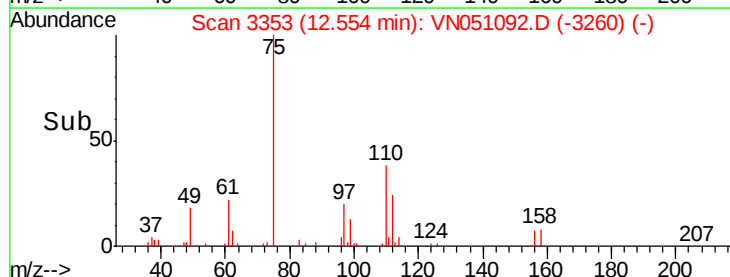
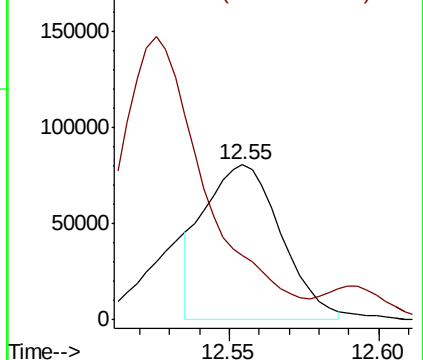
75 100

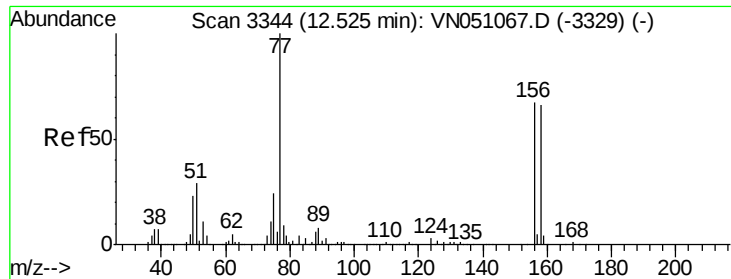
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051067.D (-3347) (-)





#77

Bromobenzene

Concen: 19.21 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

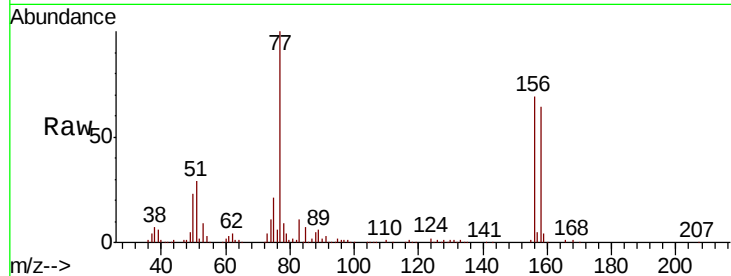
ClientSampleId :

VN0910MBS02

Tot Ion:	156	Resp:	170472
Ion Ratio	Lower	Upper	
156	100		
77	175.5	87.5	262.6
158	96.0	49.0	147.2

Manual Integrations
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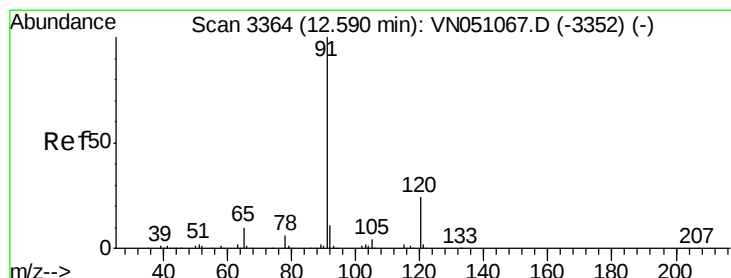
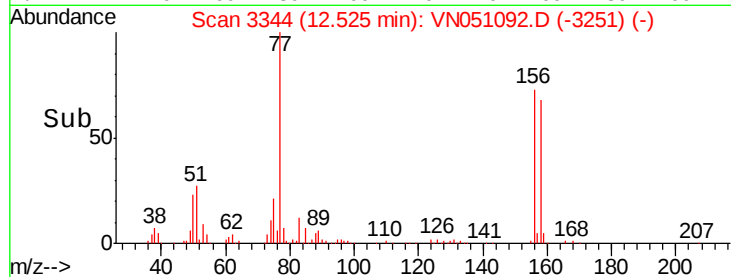
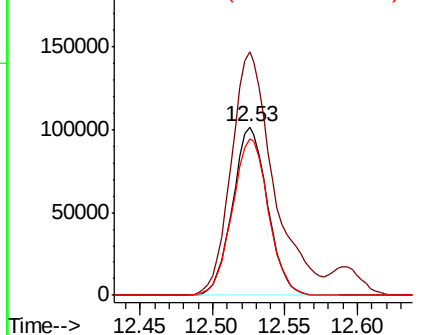
MMDadoda
9/11/2018 9:41:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.83 ug/l

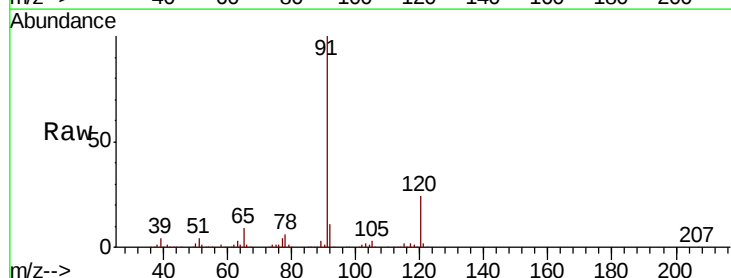
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051092.D

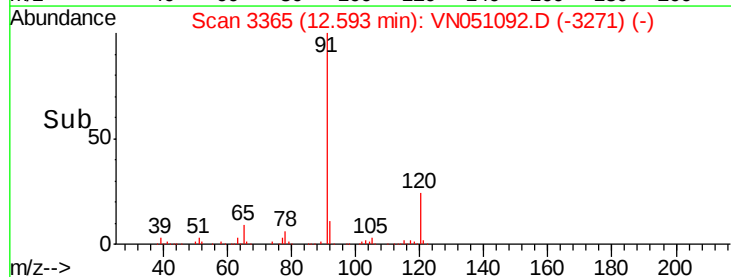
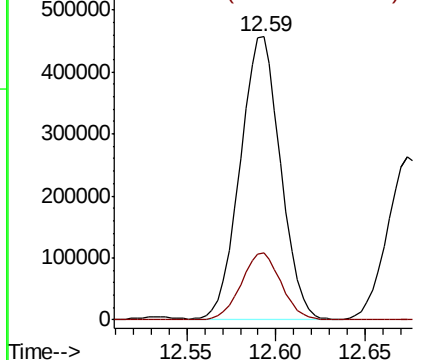
Acq: 10 Sep 2018 21:54

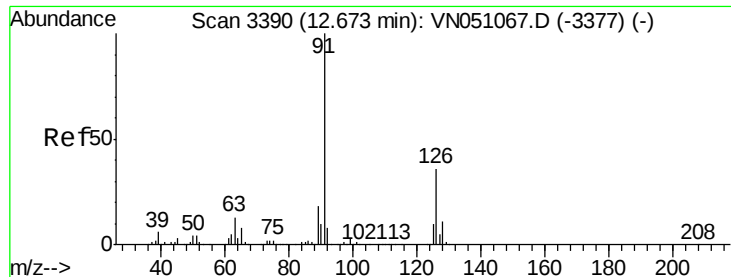
Tgt Ion:	91	Resp:	720275
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





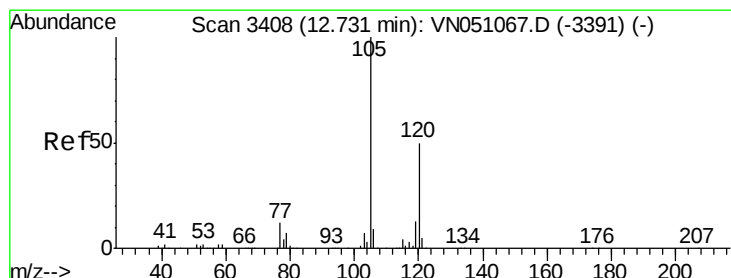
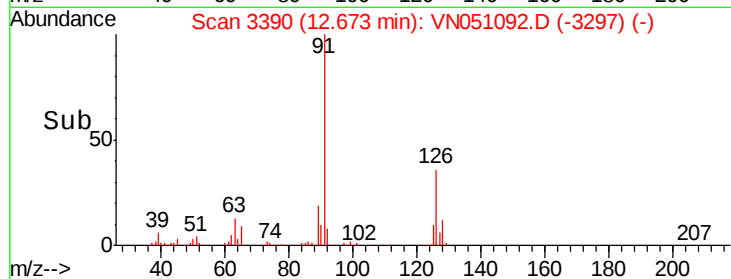
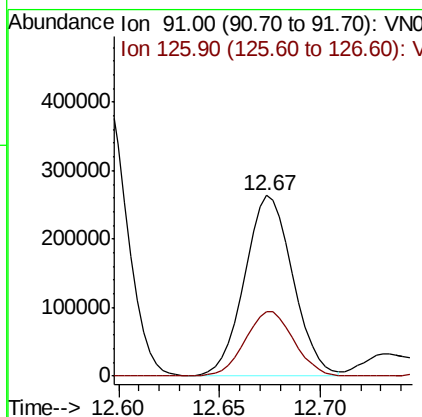
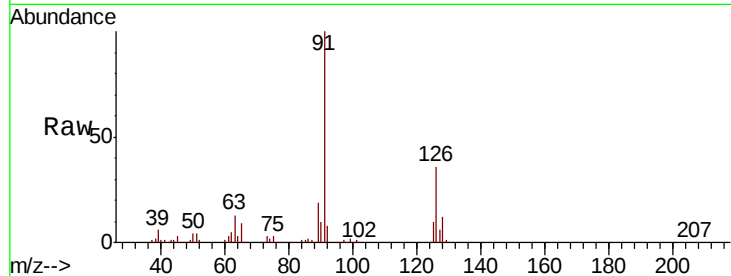
#79
 2-Chlorotoluene
 Concen: 19.32 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.9	53.7

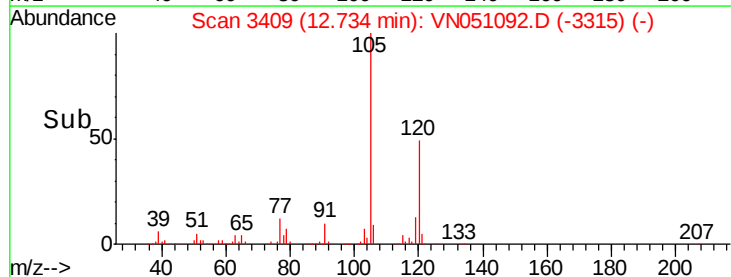
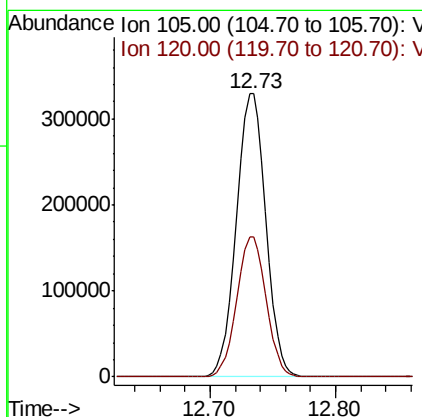
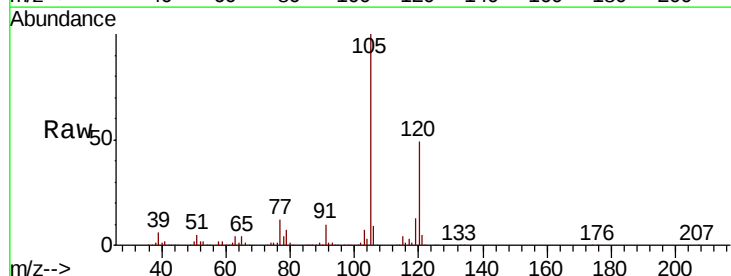
Manual Integrations
 APPROVED

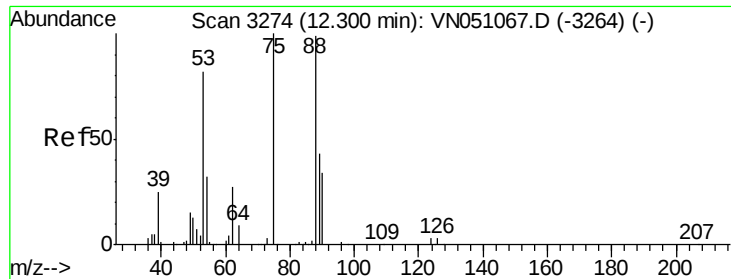
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.10 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.22 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

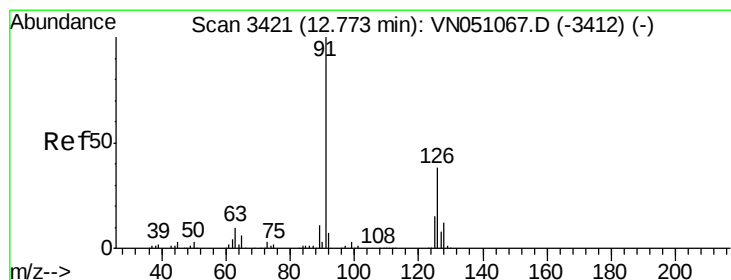
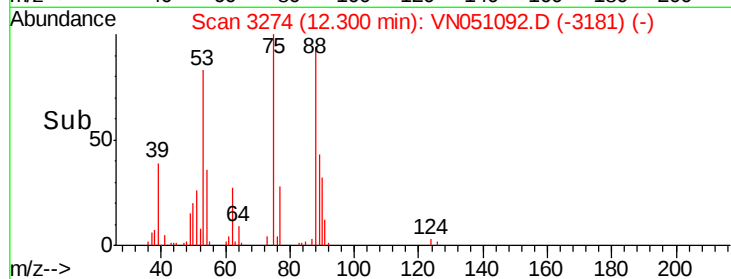
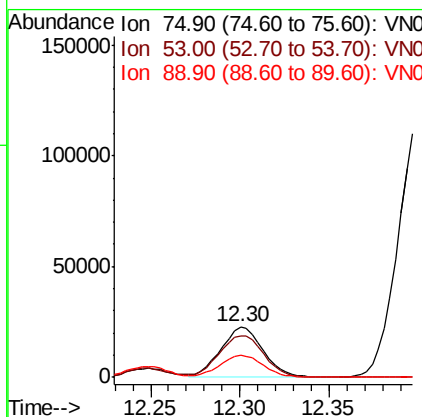
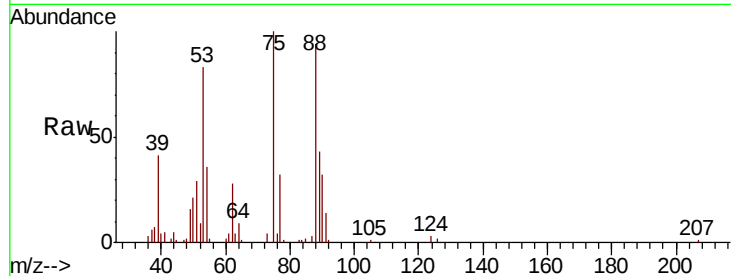
ClientSampled :

VN0910MBS02

Tot Ion:	75	Resp:	37803
Ion	Ratio	Lower	Upper
75	100		
53	87.8	67.8	101.8
89	44.8	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.11 ug/l

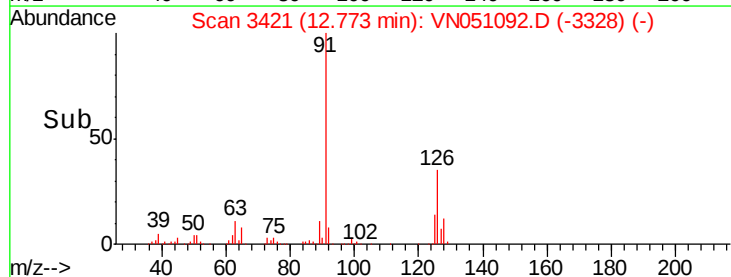
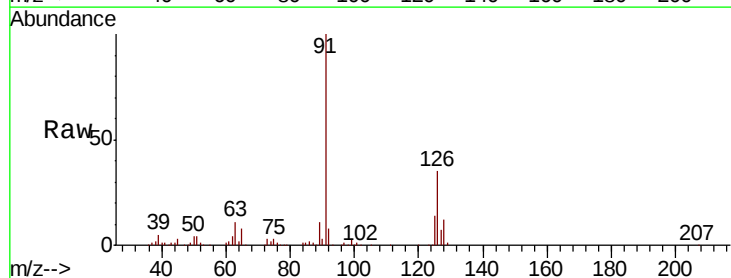
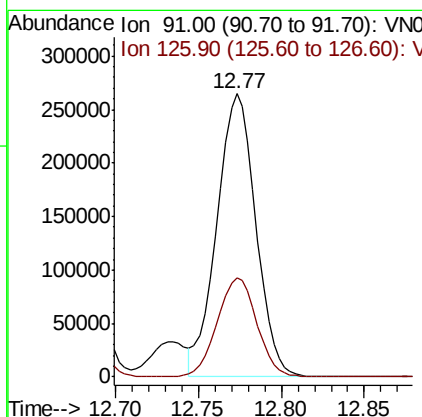
RT: 12.77 min Scan# 3421

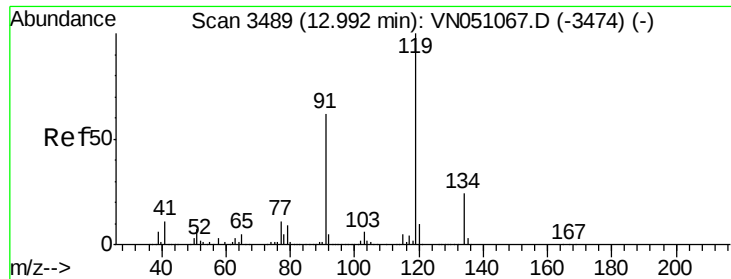
Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Tgt Ion:	91	Resp:	430672
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.8





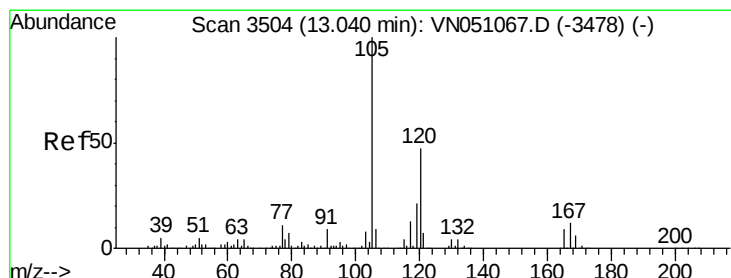
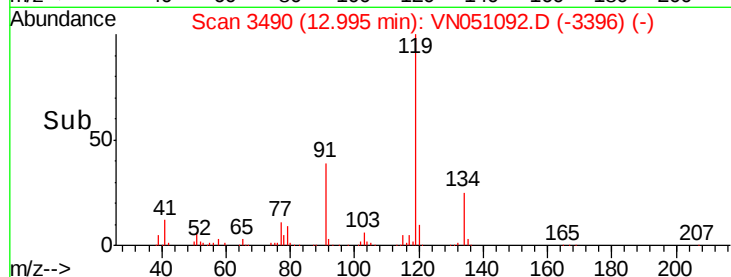
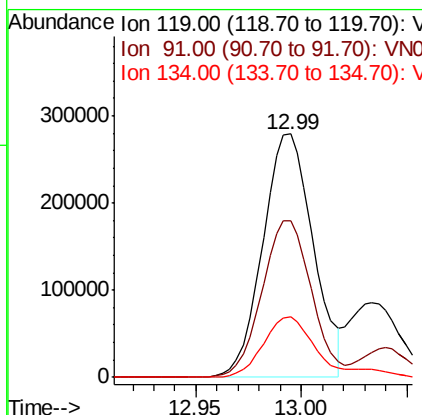
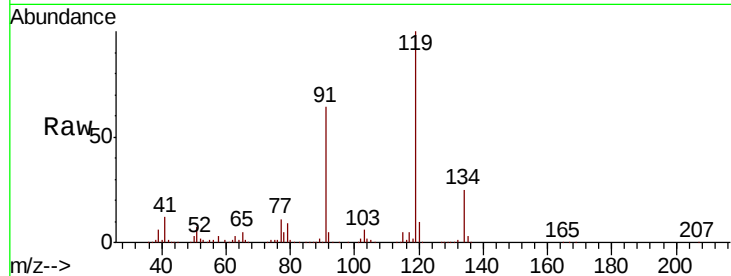
#83
 tert-Butylbenzene
 Concen: 19.72 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	465031		
91	63.1		30.8	92.3
134	24.6		13.2	39.6

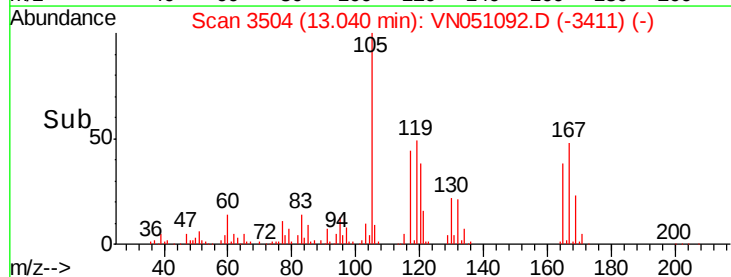
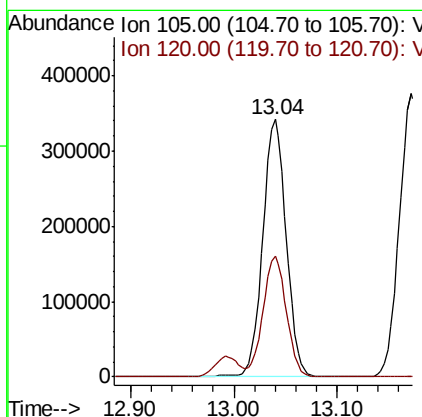
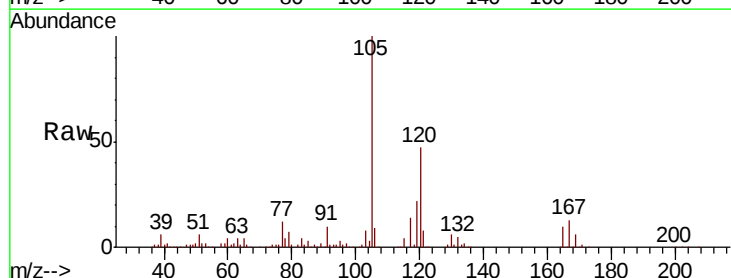
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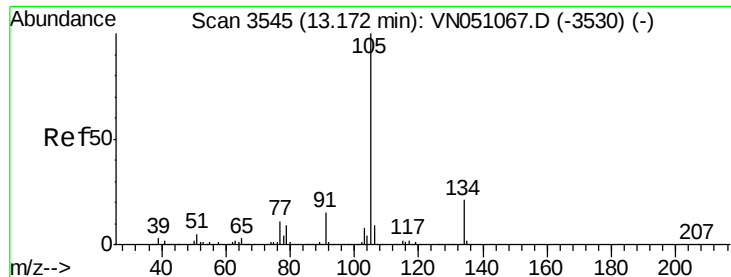
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.47 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	537515		
120	46.6		23.3	69.8





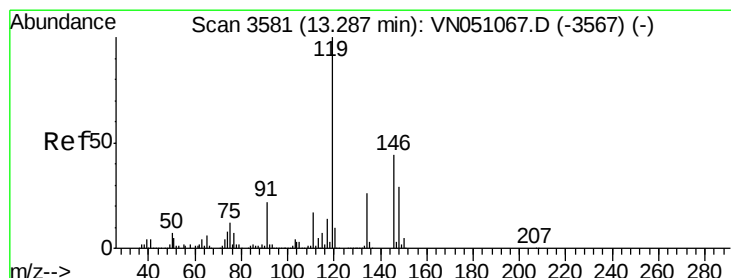
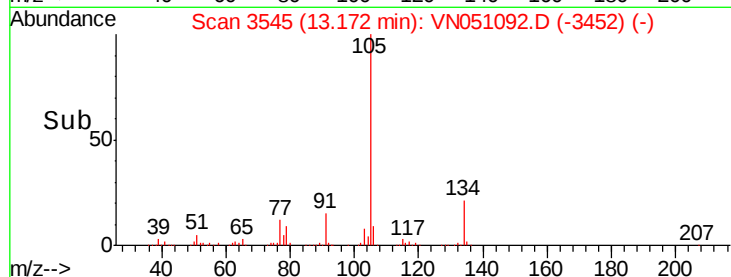
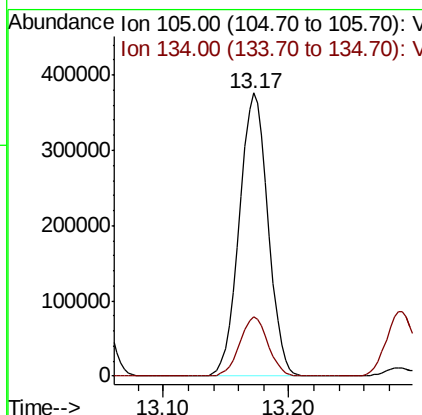
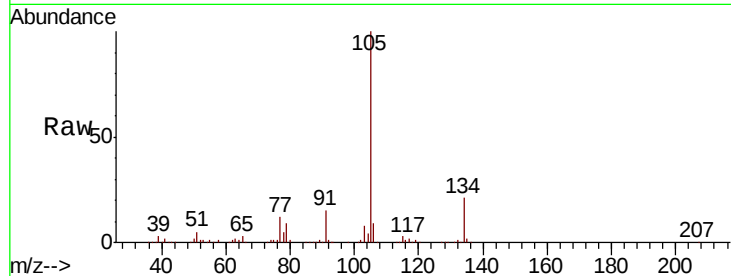
#85
 sec-Butylbenzene
 Concen: 19.78 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	598258		
134	20.5		10.4	31.4

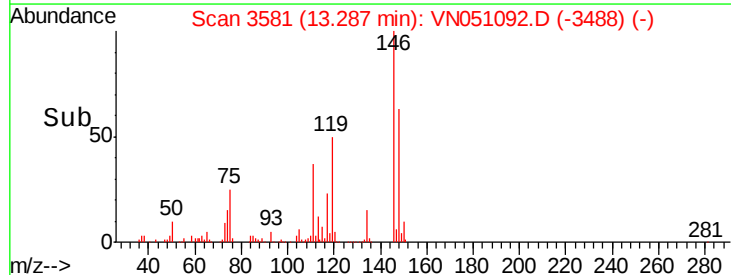
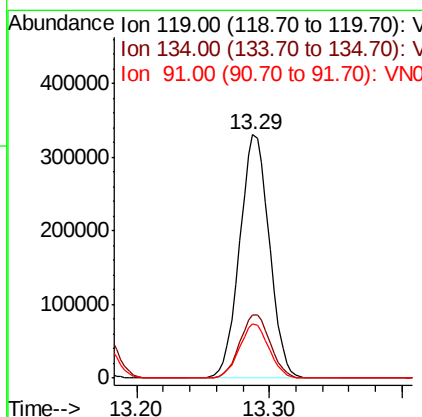
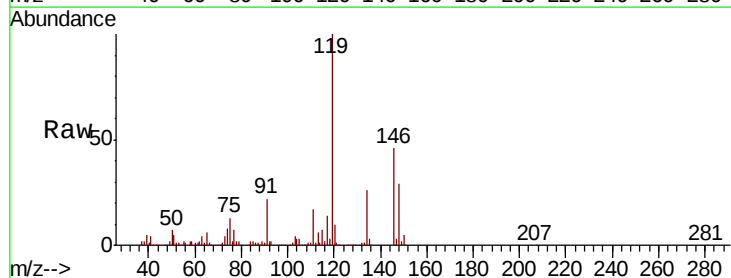
Manual Integrations
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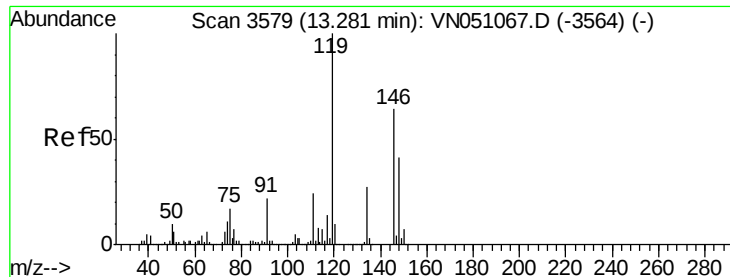
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 9/11/2018 9:41:22 AM



#86
 p-Isopropyltoluene
 Concen: 19.96 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	511887		
134	26.8		13.5	40.4
91	22.2		10.9	32.9





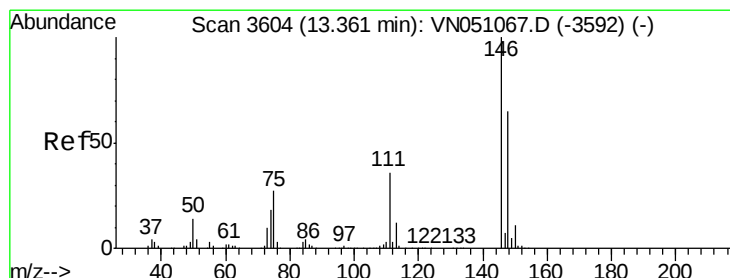
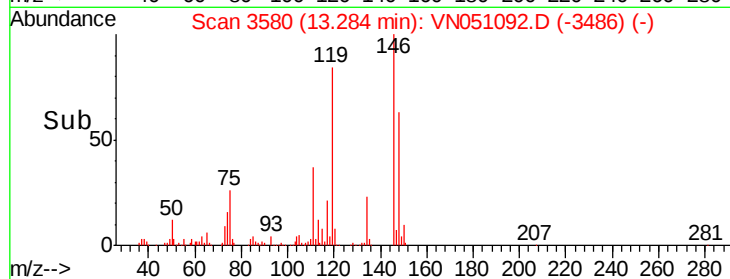
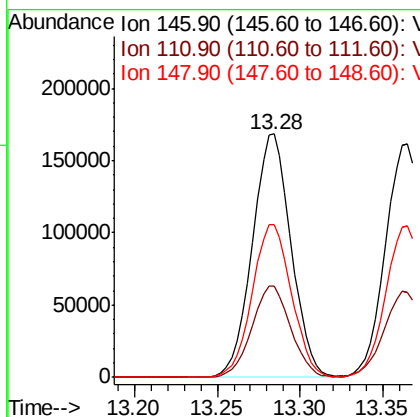
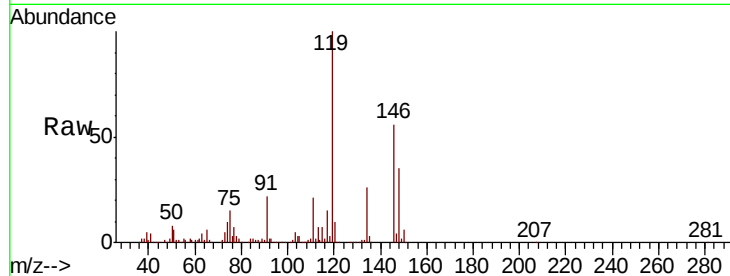
#87
 1,3-Dichlorobenzene
 Concen: 18.23 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	274512		
111	37.7	19.1	57.1	
148	63.7	32.2	96.6	

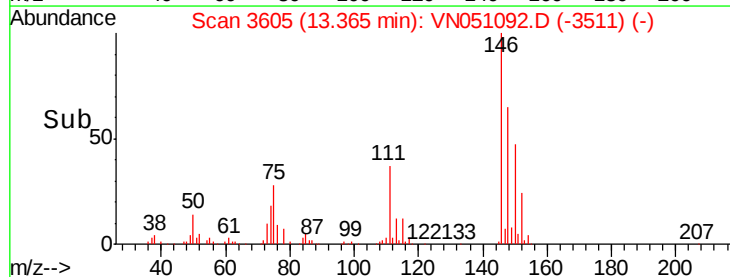
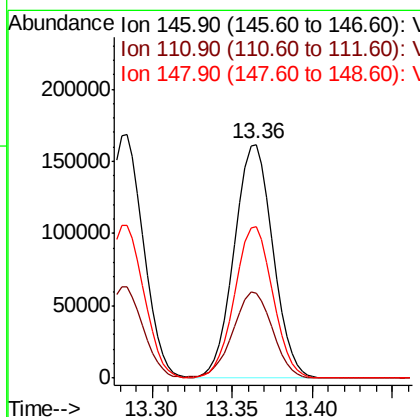
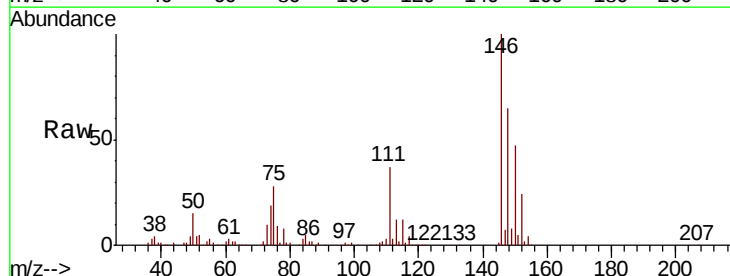
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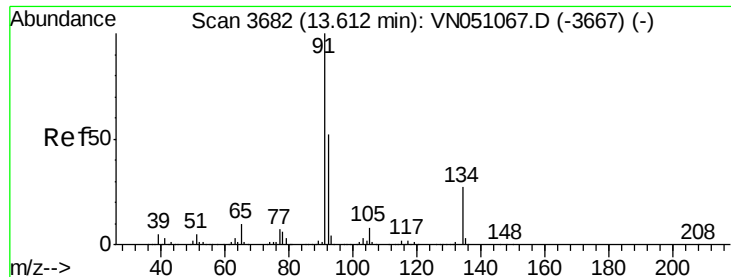
MMDadoda
 9/11/2018 9:41:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	266202		
111	38.0	18.4	55.0	
148	64.2	32.2	96.6	





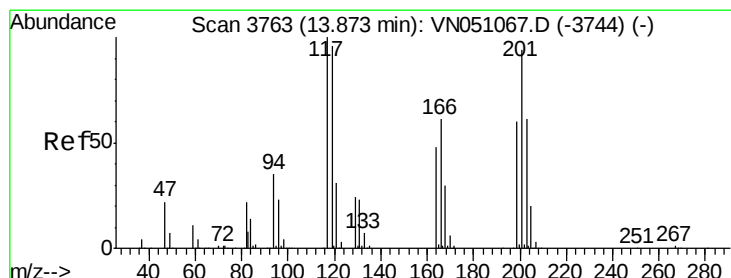
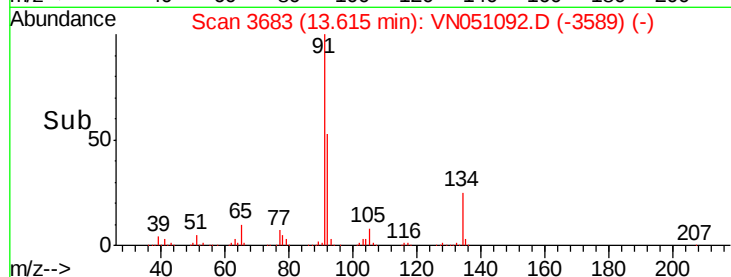
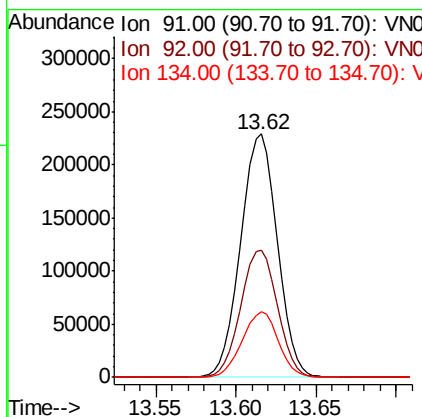
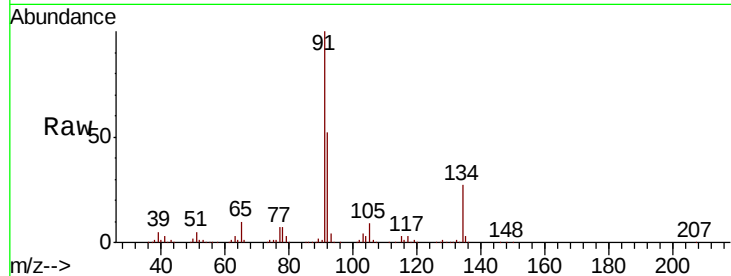
#89
n-Butylbenzene
Concen: 17.93 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.6
134	26.7	13.7	41.1

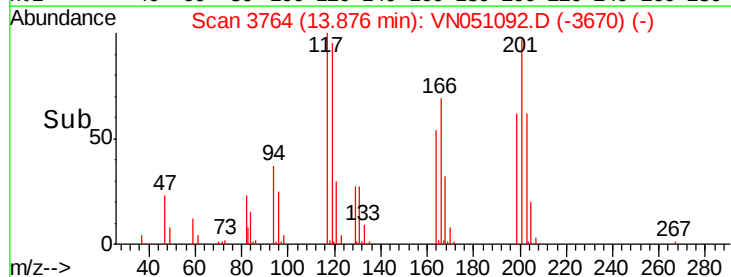
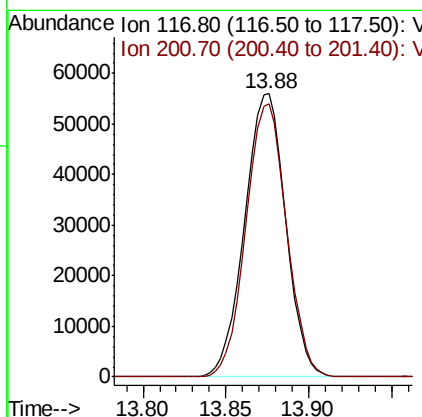
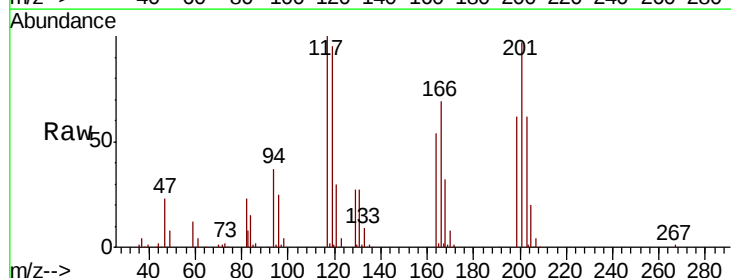
Manual Integrations
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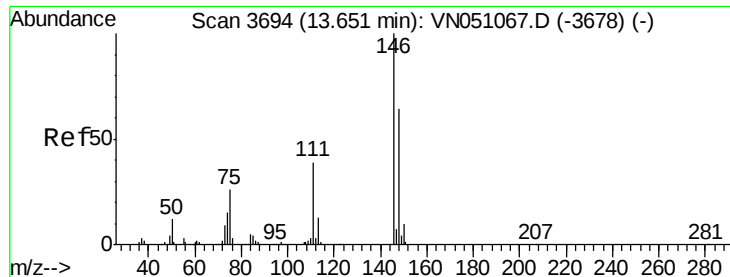
MMDadoda
9/11/2018 9:41:22 AM



#90
Hexachloroethane
Concen: 20.34 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.1	47.3	142.0





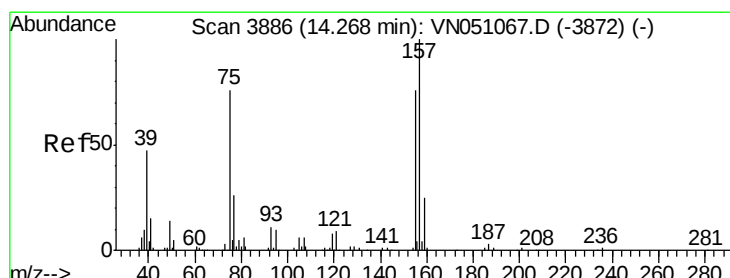
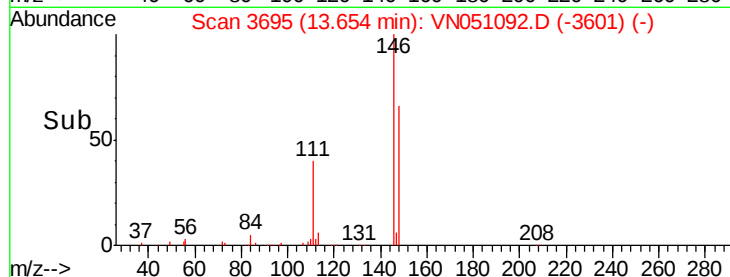
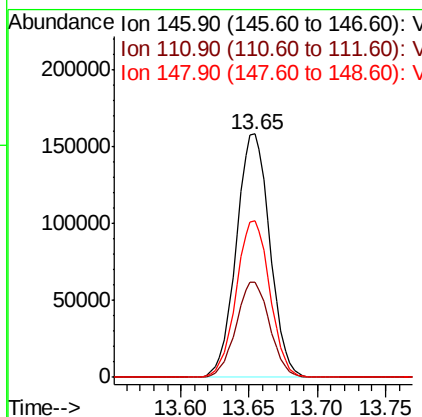
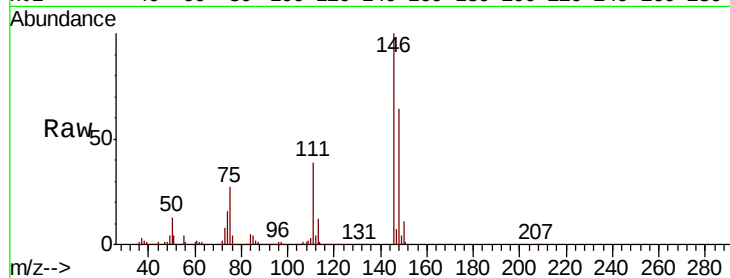
#91
 1,2-Dichlorobenzene
 Concen: 18.39 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.3	32.1	96.3

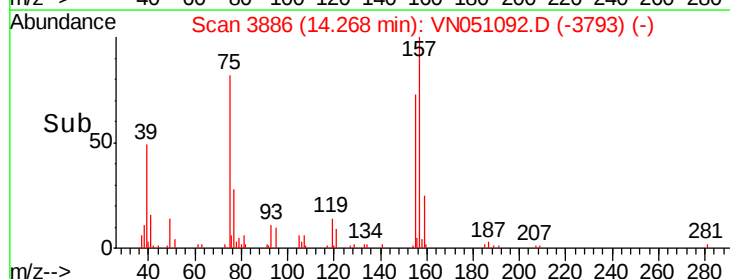
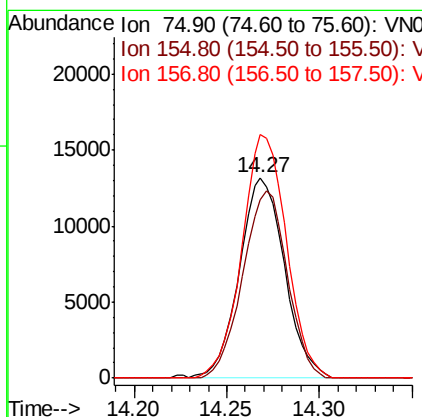
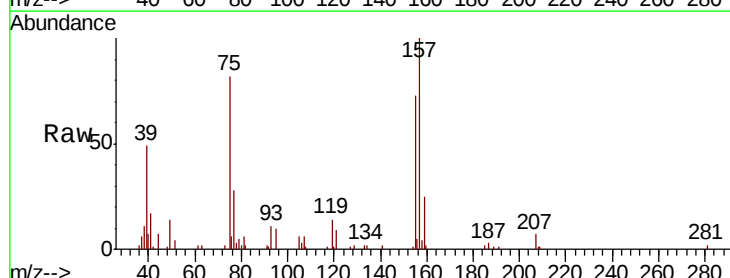
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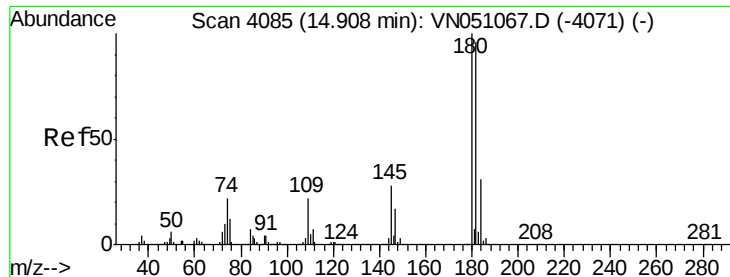
MMDadoda
 9/11/2018 9:41:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.21 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	48.7	146.1
157	119.9	63.6	190.9





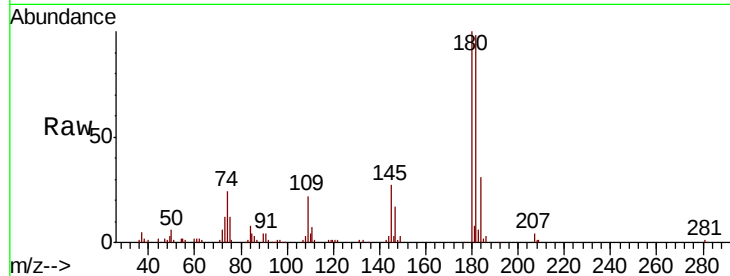
#93
 1,2,4-Trichlorobenzene
 Concen: 16.65 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

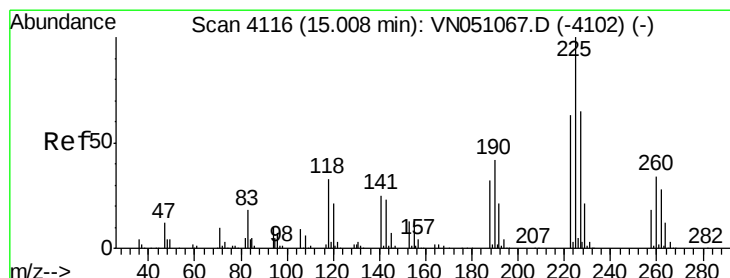
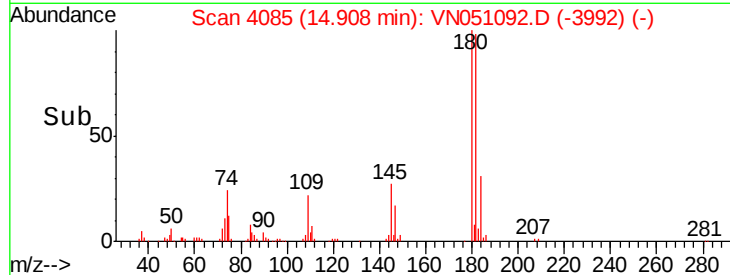
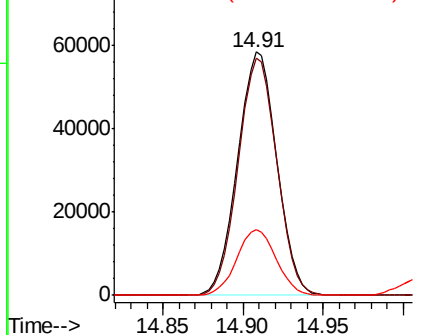
Tot Ion:	180	Resp:	97623
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.3	141.8
145	27.3	14.2	42.6

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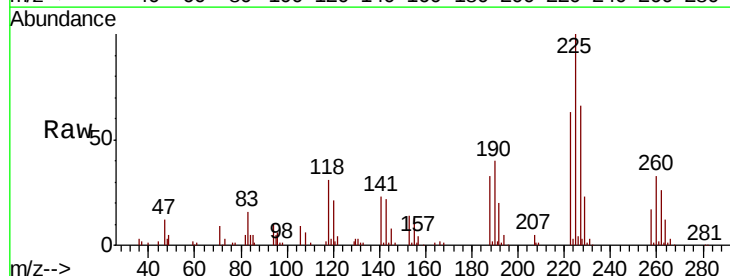


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

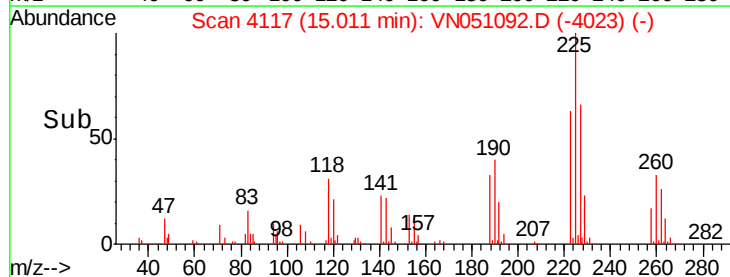
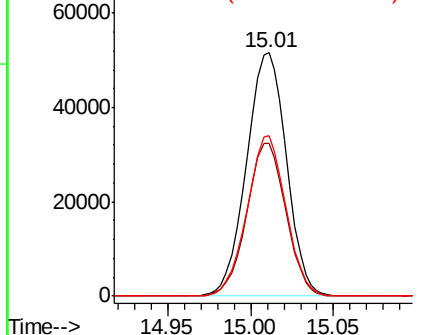


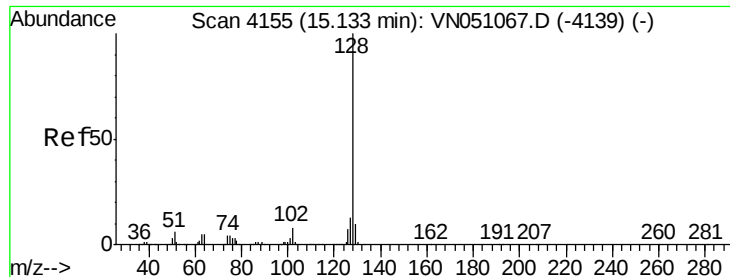
#94
 Hexachlorobutadiene
 Concen: 19.26 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion:	225	Resp:	86979
Ion Ratio	Lower	Upper	
225	100		
223	61.2	31.4	94.0
227	63.7	32.1	96.3



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





#95

Naphthalene

Concen: 16.68 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

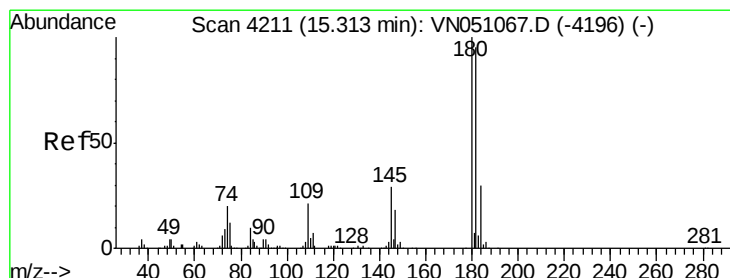
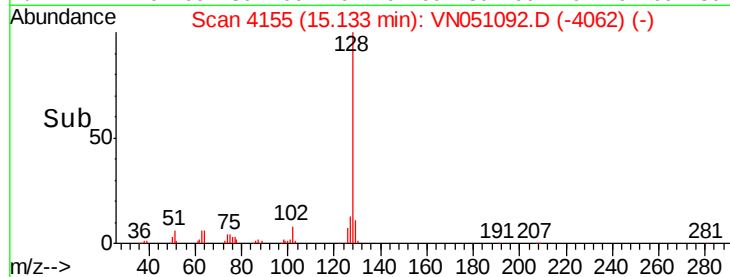
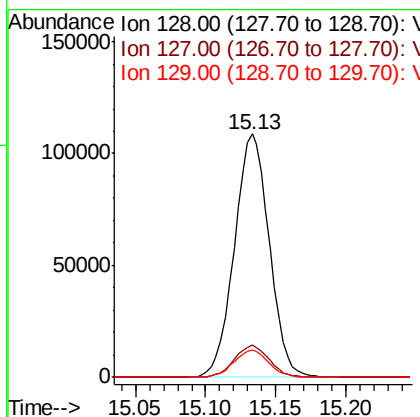
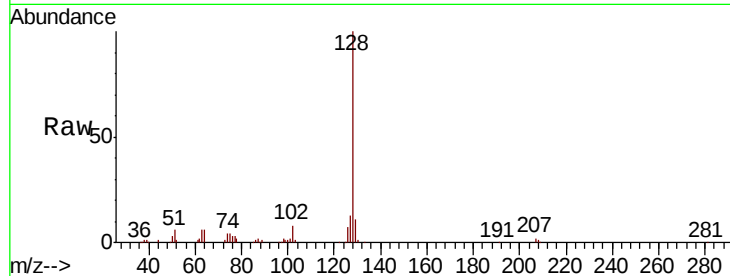
ClientSampleId :

VN0910MBS02

Tot Ion:	128	Resp:	188150
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.2	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 17.71 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Tgt Ion:	180	Resp:	106275
Ion Ratio		Lower	Upper
180	100		
182	93.6	47.8	143.3
145	29.5	14.6	43.8

