

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
 Data File : VN051811.D
 Acq On : 11 Oct 2018 12:22
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 3:00:16 PM

Quant Time: Oct 11 12:46:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 12:43:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	962013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1402764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1333524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	729730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	896239	95.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.82%	
35) Dibromofluoromethane	7.59	113	884490	102.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.06%	
50) Toluene-d8	10.09	98	3333820	104.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.60%	
62) 4-Bromofluorobenzene	12.40	95	1205458	113.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	530956	101.14	ug/l	100
3) Chloromethane	2.06	50	604128	90.11	ug/l	98
4) Vinyl Chloride	2.18	62	942942	95.18	ug/l	99
5) Bromomethane	2.54	94	824138	91.07	ug/l	99
6) Chloroethane	2.69	64	674723	91.49	ug/l	99
7) Trichlorofluoromethane	3.00	101	1543224	106.63	ug/l	99
8) Diethyl Ether	3.41	74	392259	98.45	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.75	101	726360	92.17	ug/l	99
10) Methyl Iodide	3.95	142	1119811	119.52	ug/l	96
11) Tert butyl alcohol	4.80	59	344547	515.07	ug/l	100
12) 1,1-Dichloroethene	3.73	96	675747	97.27	ug/l	91
13) Acrolein	3.61	56	369450	634.76	ug/l	98
14) Allyl chloride	4.32	41	854939	97.76	ug/l #	77
15) Acrylonitrile	4.99	53	1160621	541.54	ug/l	99
16) Acetone	3.82	43	911142	436.58	ug/l	98
17) Carbon Disulfide	4.05	76	1861644	100.09	ug/l	99
18) Methyl Acetate	4.33	43	520241	87.99	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	2173188	100.08	ug/l	93
20) Methylene Chloride	4.55	84	786427	93.97	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	797998	98.36	ug/l	88
22) Diisopropyl ether	5.96	45	1877290	96.79	ug/l #	89
23) Vinyl Acetate	5.90	43	7152283	515.04	ug/l #	91
24) 1,1-Dichloroethane	5.85	63	1275141	95.35	ug/l	96
25) 2-Butanone	6.84	43	1390496	489.73	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	1314306	97.39	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	947895	102.15	ug/l	88
28) Bromochloromethane	7.20	49	532206	94.34	ug/l #	61
29) Tetrahydrofuran	7.22	42	845146	506.60	ug/l #	79
30) Chloroform	7.37	83	1552412	97.92	ug/l	99
31) Cyclohexane	7.65	56	1086818	79.32	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	1498523	102.00	ug/l	96
36) 1,1-Dichloropropene	7.80	75	1108331	96.34	ug/l	94
37) Ethyl Acetate	6.93	43	599157	103.87	ug/l #	95
38) Carbon Tetrachloride	7.78	117	1379629	107.44	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	1425711	102.87	ug/l #	88
40) Benzene	8.04	78	3348698	102.72	ug/l	100
41) Methacrylonitrile	7.18	41	310338	113.36	ug/l	90
42) 1,2-Dichloroethane	8.13	62	1077943	99.95	ug/l	100
43) Isopropyl Acetate	8.17	43	1169516	77.35	ug/l #	96
44) Trichloroethene	8.84	130	1035776	105.76	ug/l	95
45) 1,2-Dichloropropane	9.12	63	764056	98.27	ug/l	98
46) Dibromomethane	9.21	93	612740	105.42	ug/l	99
47) Bromodichloromethane	9.40	83	1245062	108.34	ug/l	98
48) Methyl methacrylate	9.20	41	542947	106.49	ug/l #	79
49) 1,4-Dioxane	9.20	88	208633	2573.07	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	3148967	529.32	ug/l	96
52) Toluene	10.16	92	2339560	109.70	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1301482	115.63	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1377590	108.99	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	863003	106.34	ug/l	97
56) Ethyl methacrylate	10.43	69	1065577	114.61	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	1312194	102.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2276386	558.70	ug/l #	87
59) 2-Hexanone	10.75	43	2242763	539.16	ug/l	96
60) Dibromochloromethane	10.90	129	1111172	121.75	ug/l	98
61) 1,2-Dibromoethane	11.01	107	946904	117.42	ug/l	99
64) Tetrachloroethene	10.63	164	997628	96.09	ug/l	99
65) Chlorobenzene	11.44	112	2749796	102.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1073471	106.73	ug/l	99
67) Ethyl Benzene	11.51	91	4575337	103.56	ug/l	96
68) m/p-Xylenes	11.62	106	3821995	217.52	ug/l	93
69) o-Xylene	11.95	106	1855458	108.91	ug/l	93
70) Styrene	11.96	104	3027001	119.26	ug/l	98
71) Bromoform	12.13	173	830886	128.58	ug/l #	99
73) Isopropylbenzene	12.25	105	4971726	83.18	ug/l	98
74) N-amyl acetate	12.07	43	1090458	96.38	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	1100927	83.94	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	852584m	70.96	ug/l	
77) Bromobenzene	12.53	156	1318344	91.30	ug/l	86
78) n-propylbenzene	12.59	91	5463097	88.92	ug/l	95
79) 2-Chlorotoluene	12.68	91	3155369	83.81	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	4230027	88.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	328846	106.02	ug/l	95
82) 4-Chlorotoluene	12.77	91	3245836	92.51	ug/l	94
83) tert-Butylbenzene	12.99	119	3854248	86.09	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	4282652	90.62	ug/l	97
85) sec-Butylbenzene	13.17	105	5048822	87.64	ug/l	97
86) p-Isopropyltoluene	13.29	119	4697590	95.14	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2435640	102.46	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2379042	103.43	ug/l	99
89) n-Butylbenzene	13.62	91	3715012	104.59	ug/l	98
90) Hexachloroethane	13.88	117	824871	91.05	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	2342030	101.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	177787	96.46	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1237917	142.84	ug/l	99
94) Hexachlorobutadiene	15.01	225	704166	90.87	ug/l	100
95) Naphthalene	15.13	128	2730184	144.01	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1191256	129.99	ug/l	98

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

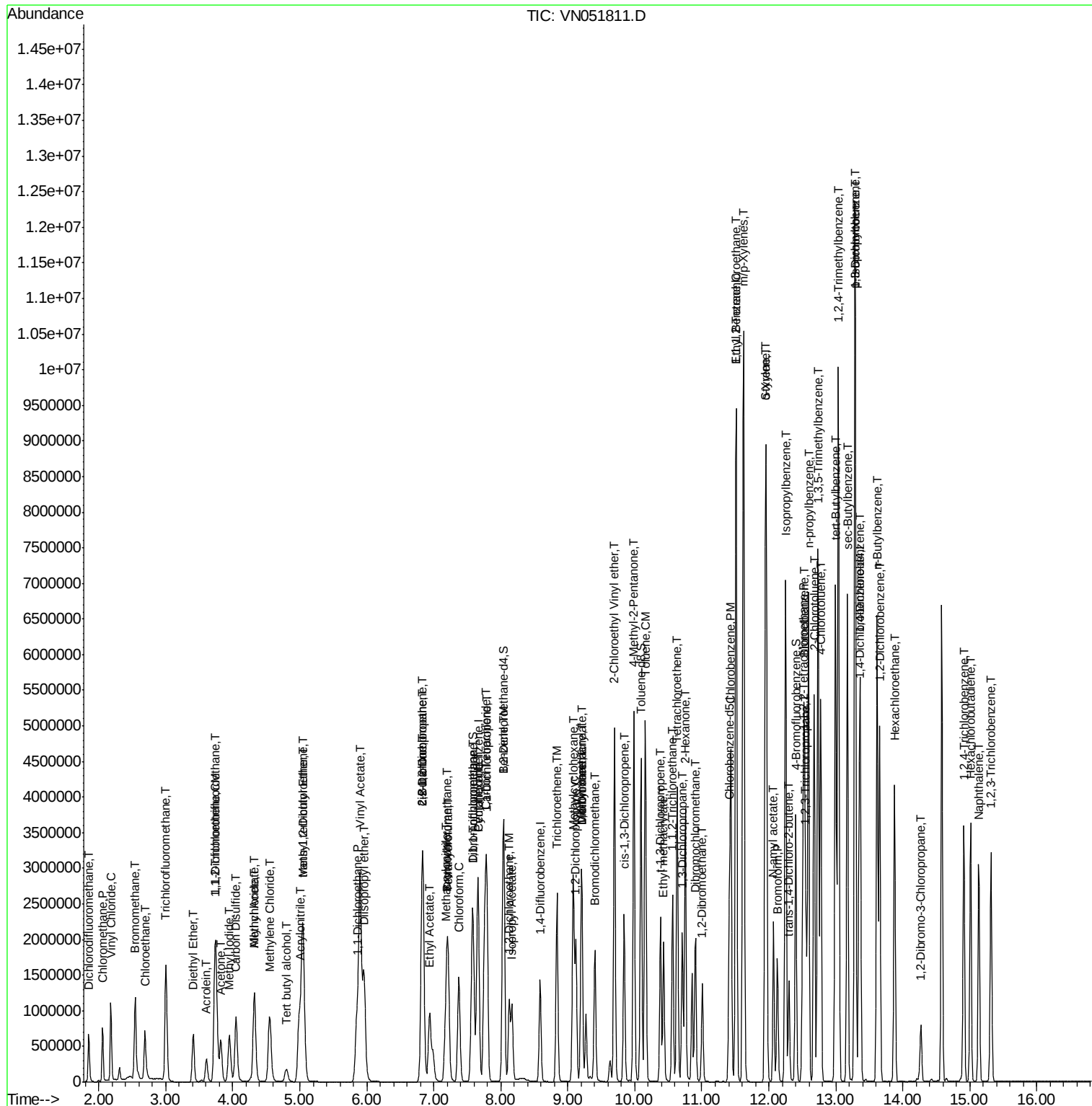
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Data File : VN051811.D
Acq On : 11 Oct 2018 12:22
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 28

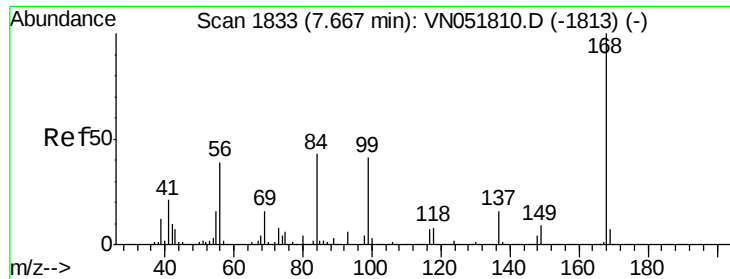
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 168 Resp: 962013

Ion Ratio Lower Upper

168 100

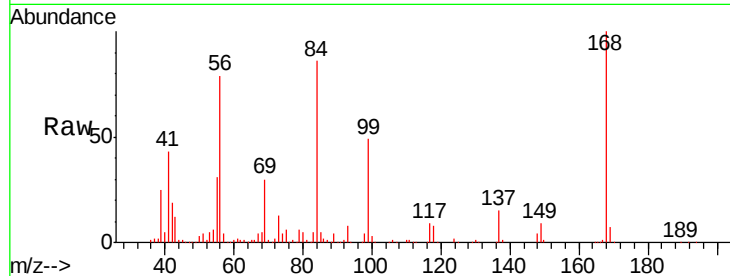
99 48.9 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

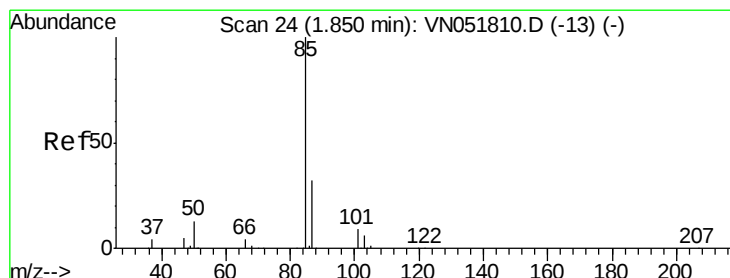
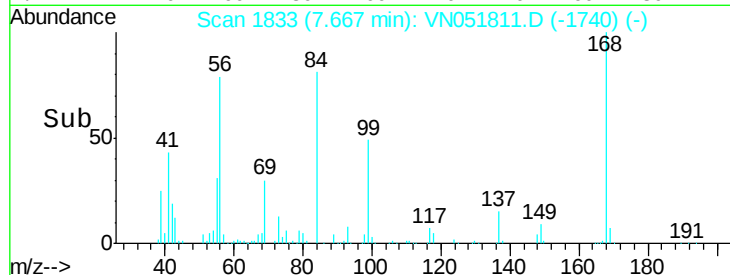
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 101.14 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051811.D

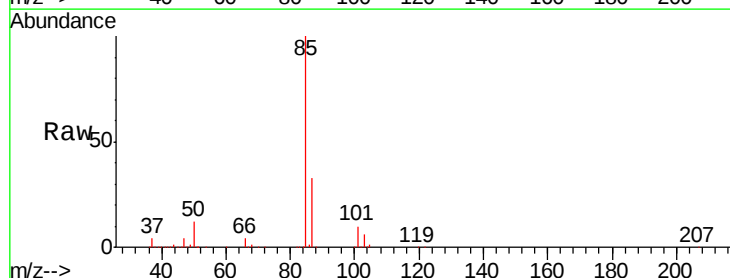
Acq: 11 Oct 2018 12:22

Tgt Ion: 85 Resp: 530956

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

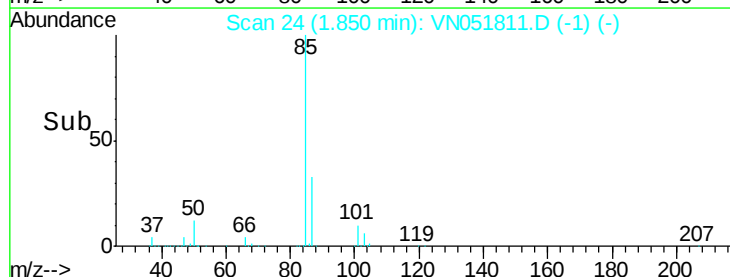
300000

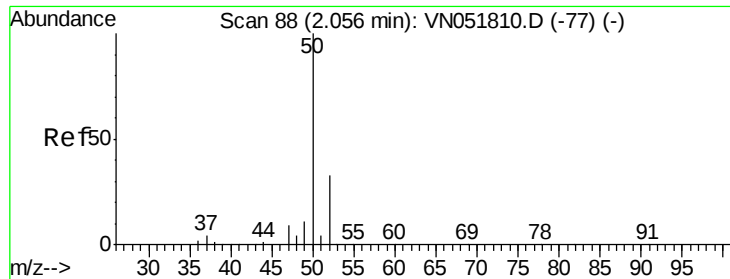
200000

100000

0

Time-->





#3

Chloromethane

Concen: 90.11 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 604128

Ion Ratio Lower Upper

50 100

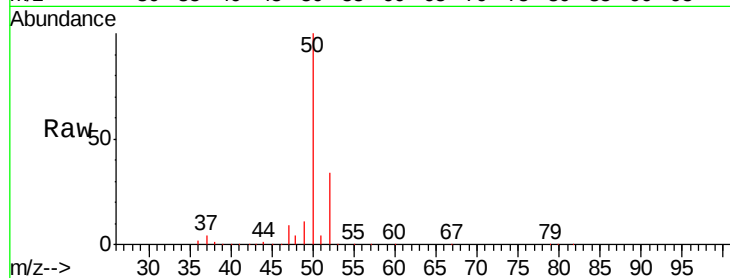
52 33.9 26.3 39.5

Manual Integrations

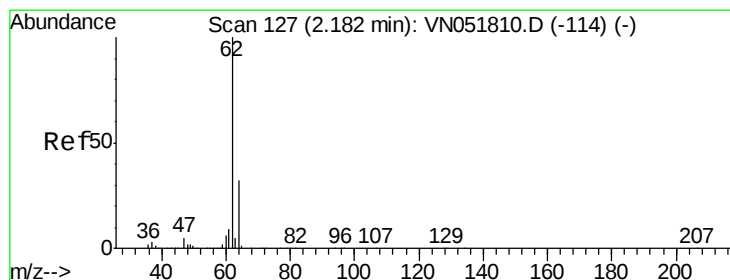
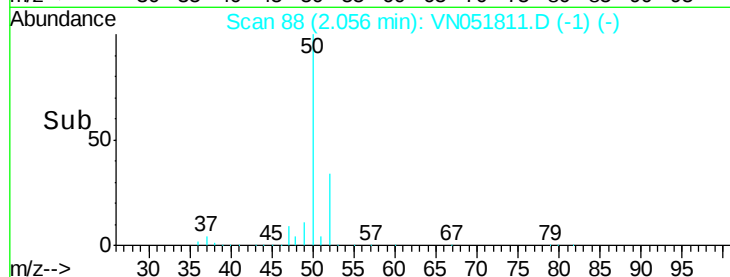
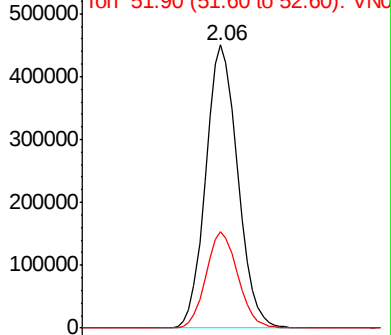
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Abundance Ion 49.90 (49.60 to 50.60): VN051811.D (-1) (-)



#4

Vinyl Chloride

Concen: 95.18 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051811.D

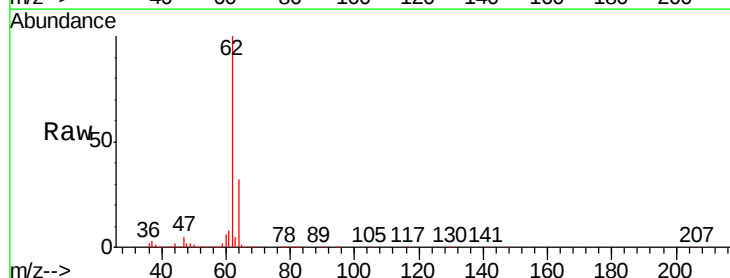
Acq: 11 Oct 2018 12:22

Tgt Ion: 62 Resp: 942942

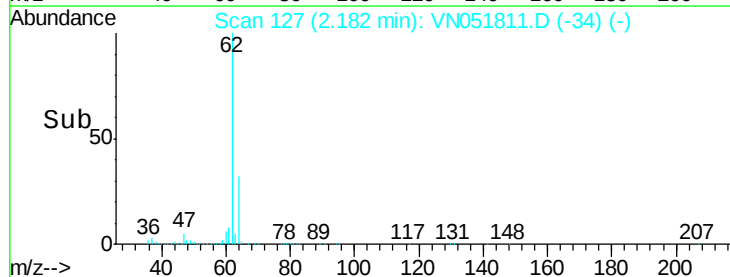
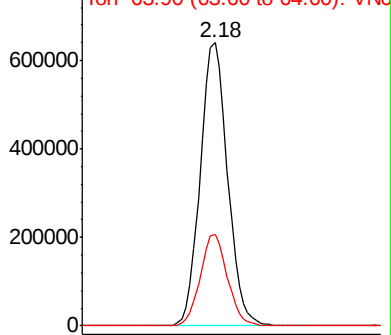
Ion Ratio Lower Upper

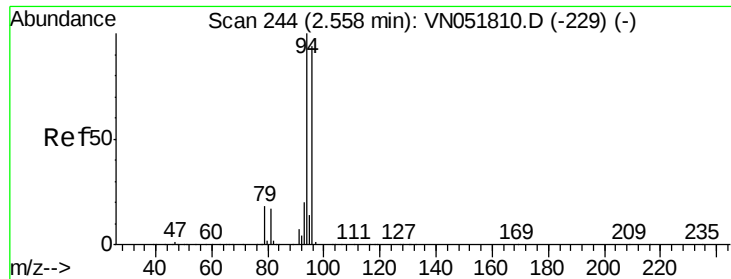
62 100

64 32.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN051811.D (-34) (-)





#5

Bromomethane

Concen: 91.07 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 824138

Ion Ratio Lower Upper

94 100

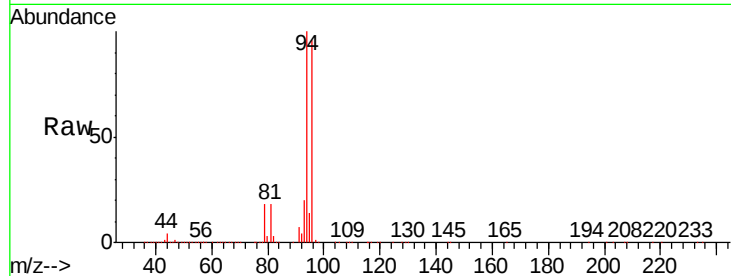
96 95.9 76.2 114.2

Manual Integrations

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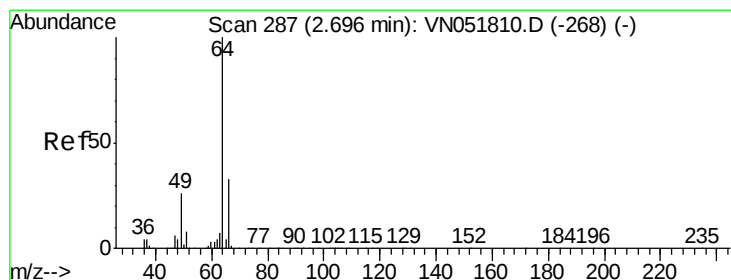
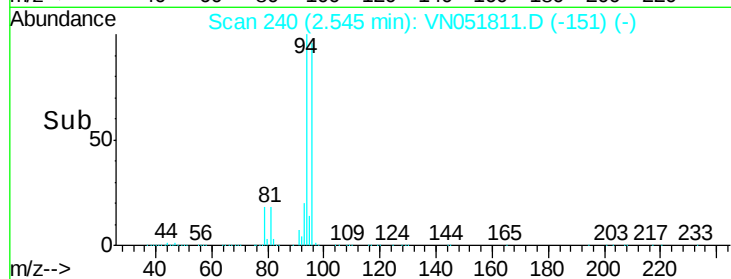
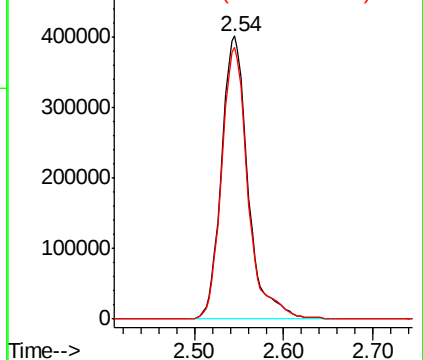
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 91.49 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051811.D

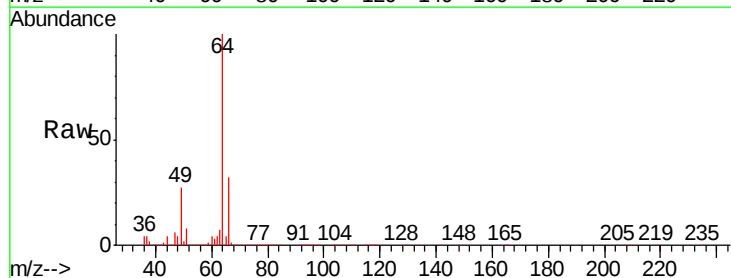
Acq: 11 Oct 2018 12:22

Tgt Ion: 64 Resp: 674723

Ion Ratio Lower Upper

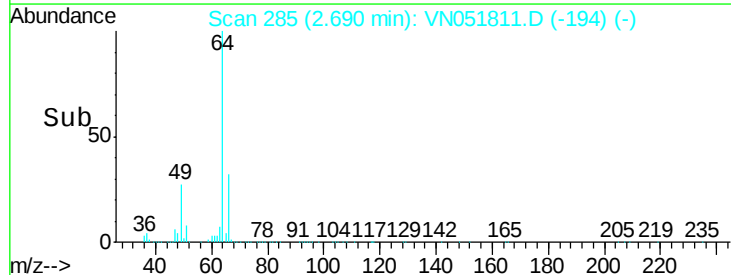
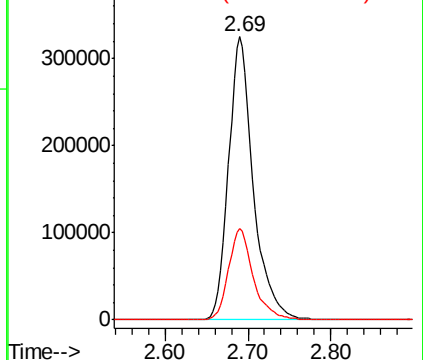
64 100

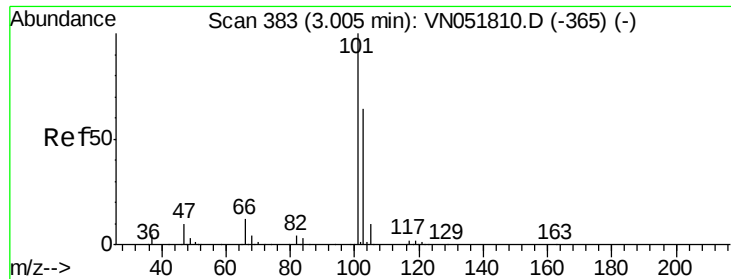
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

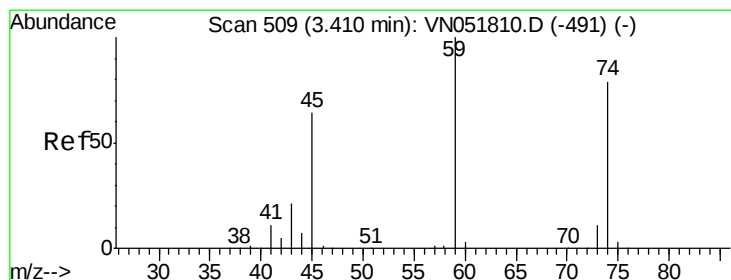
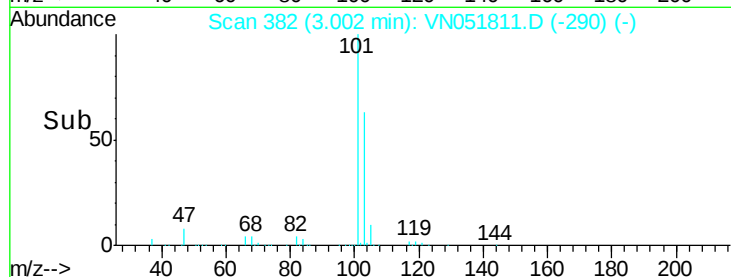
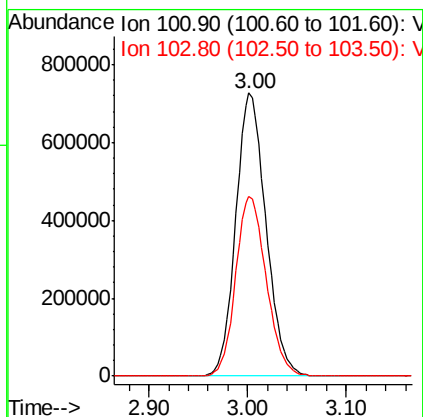
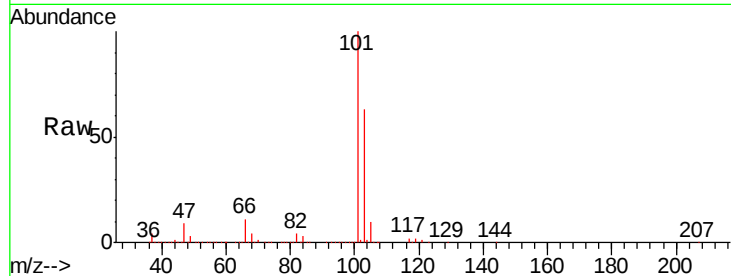
Trichlorofluoromethane
Concen: 106.63 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 101 Resp: 1543224
Ion Ratio Lower Upper
101 100
103 63.4 51.6 77.4

Manual Integrations
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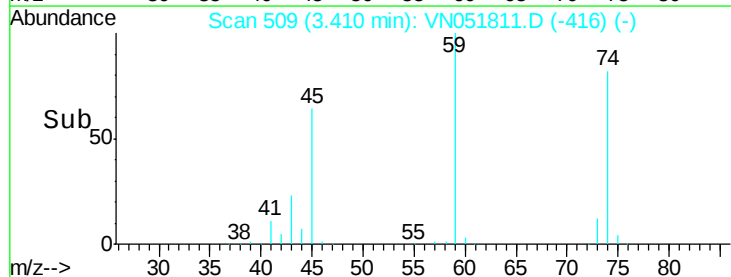
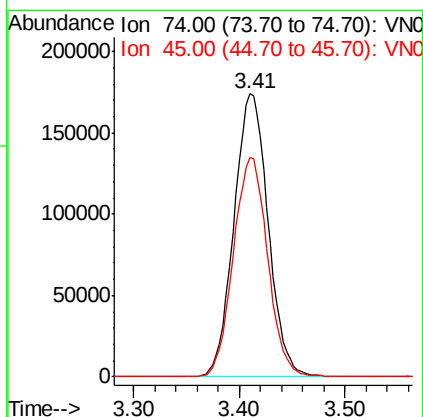
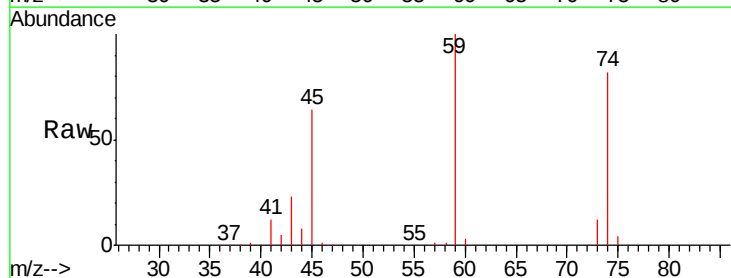
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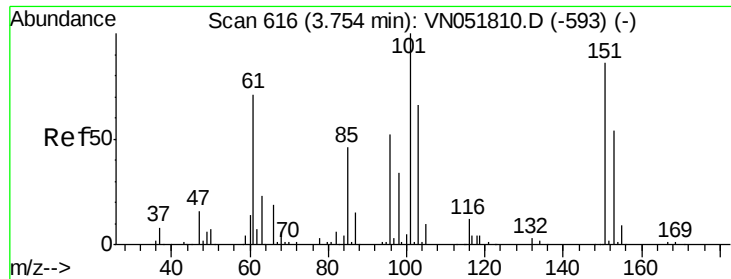


#8

Diethyl Ether
Concen: 98.45 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 74 Resp: 392259
Ion Ratio Lower Upper
74 100
45 77.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.17 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

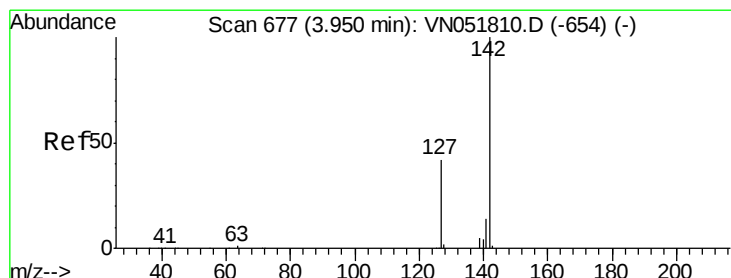
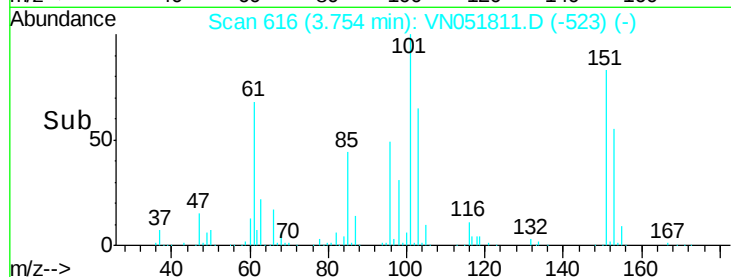
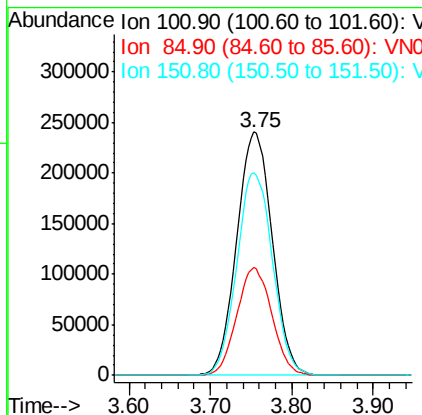
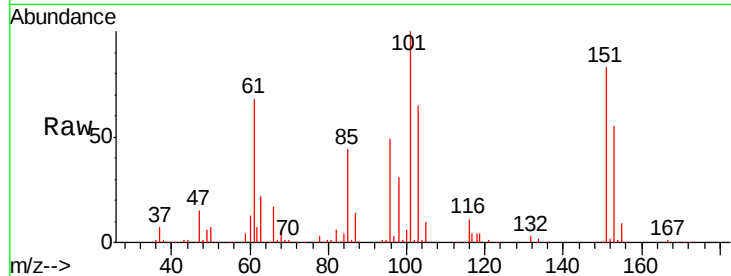
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.7	33.7	50.5
151	83.8	67.4	101.2

Manual Integrations
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MMDadoda
10/15/2018 3:00:16 PM



#10

Methyl Iodide

Concen: 119.52 ug/l

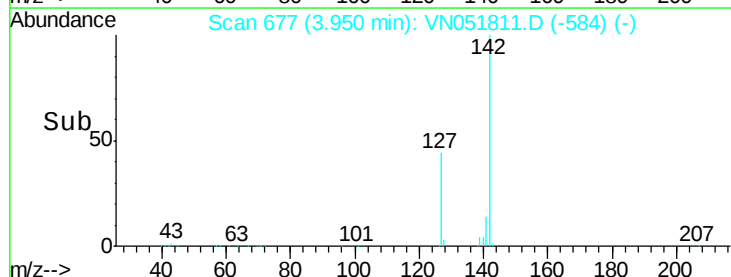
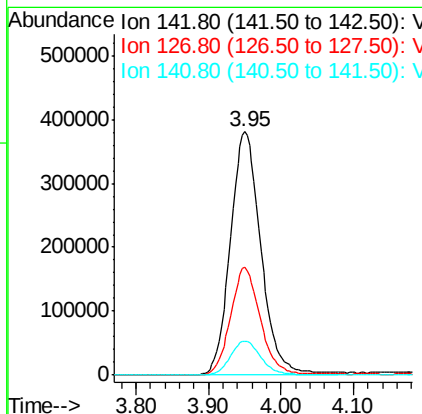
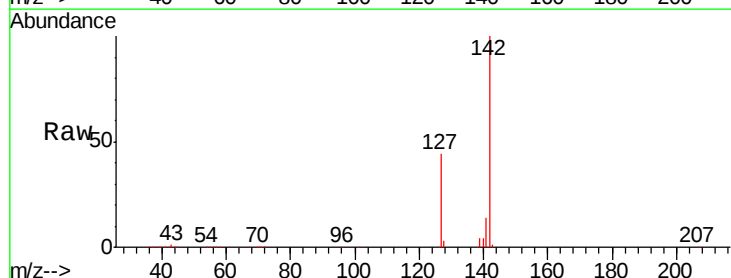
RT: 3.95 min Scan# 677

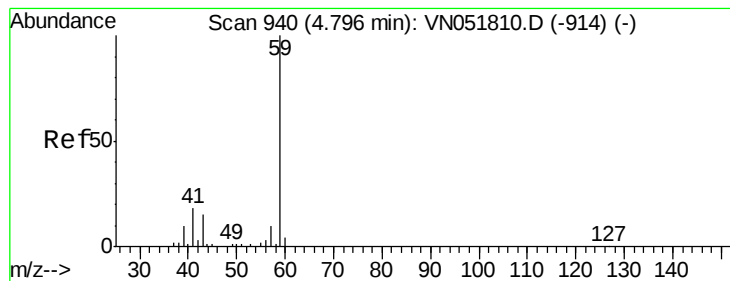
Delta R.T. -0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.2	31.7	47.5
141	14.0	11.4	17.0





#11

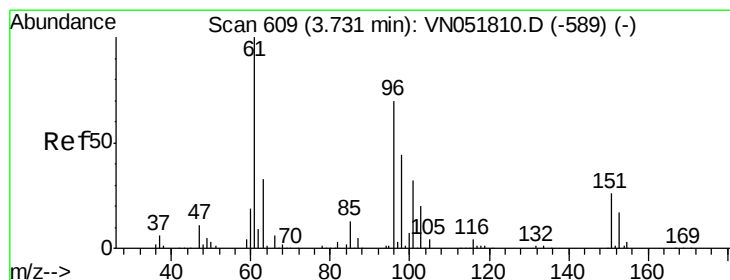
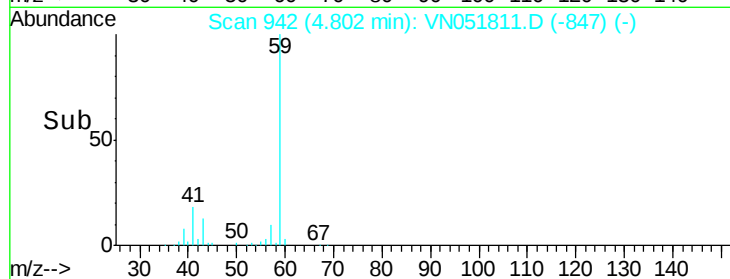
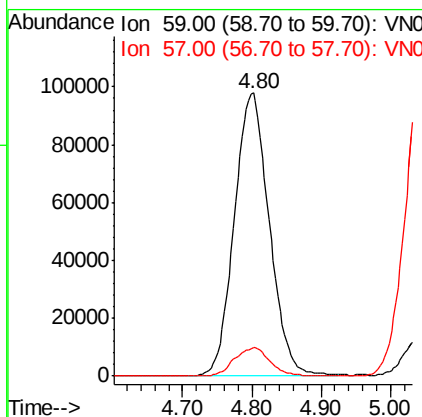
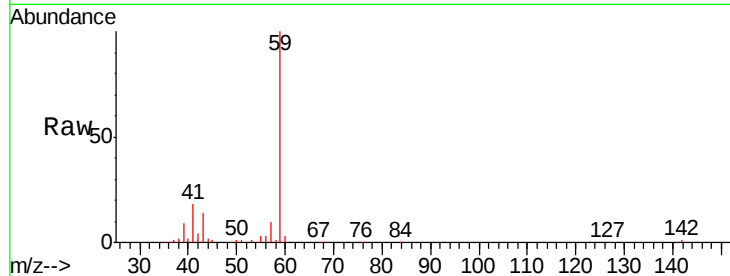
Tert butyl alcohol
 Concen: 515.07 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Manual Integrations
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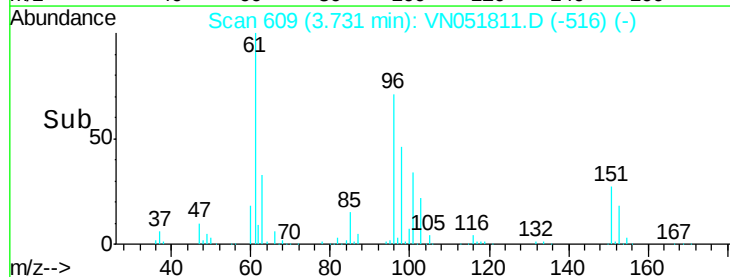
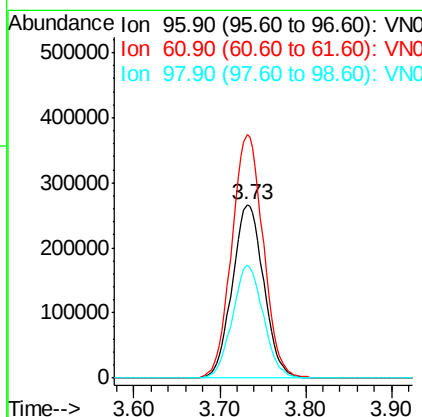
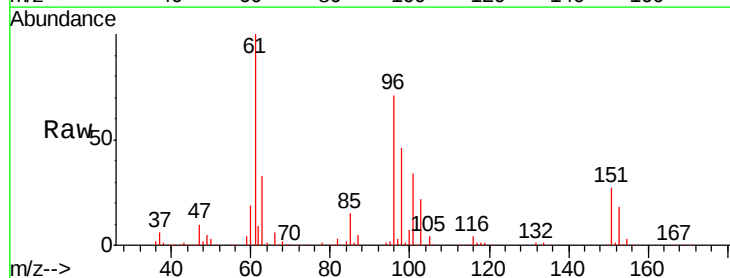
MMDadoda
 10/15/2018 3:00:16 PM

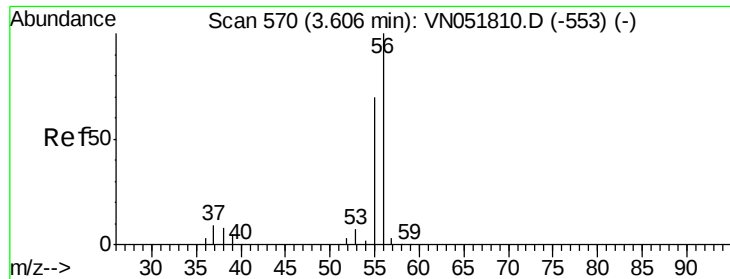


#12

1,1-Dichloroethene
 Concen: 97.27 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.6	124.9	187.3
98	65.0	51.1	76.7





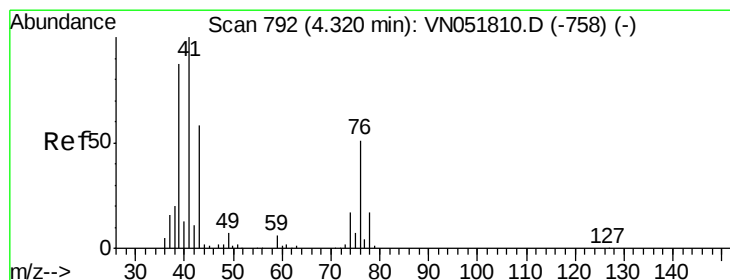
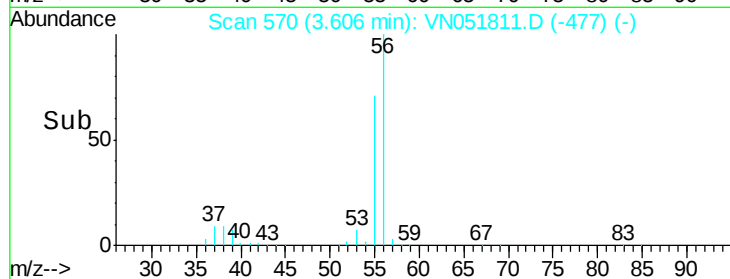
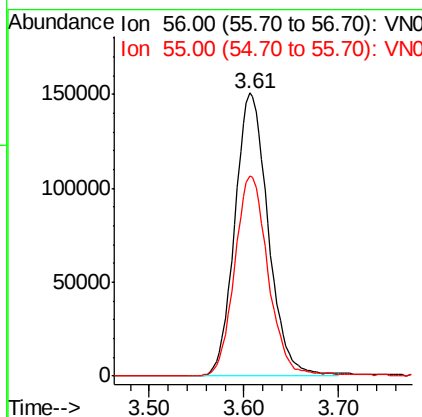
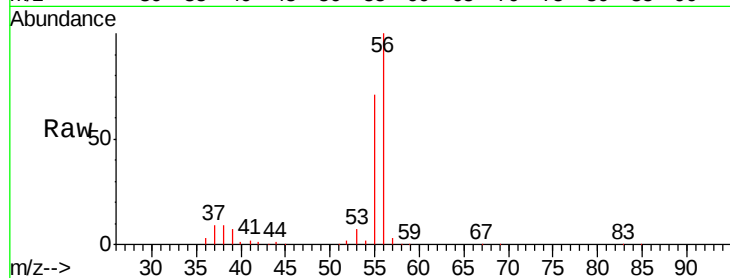
#13
Acrolein
Concen: 634.76 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.7	86.5

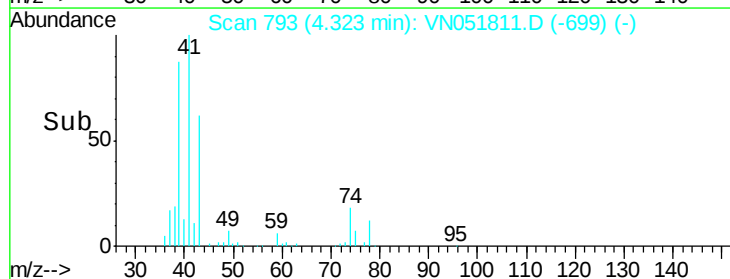
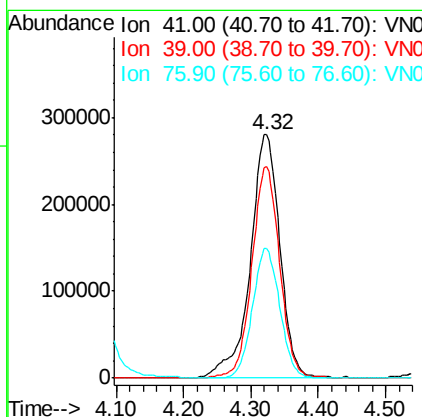
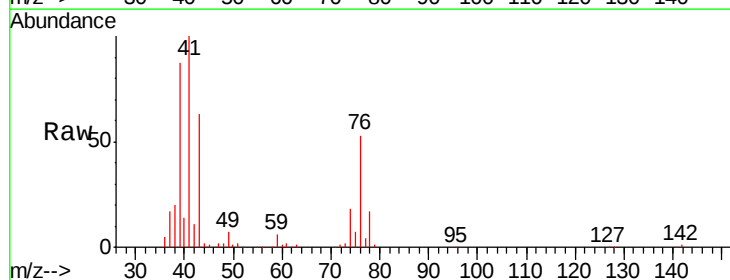
Manual Integrations
APPROVED

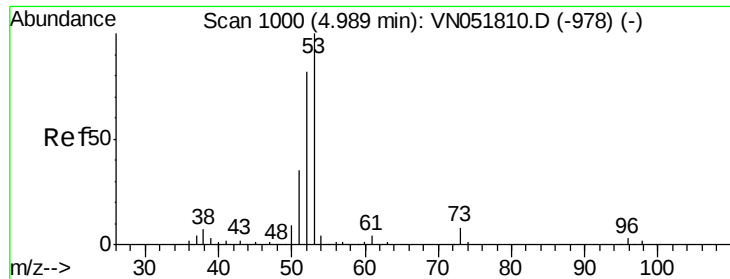
MMDadoda
10/15/2018 3:00:16 PM



#14
Allyl chloride
Concen: 97.76 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.8	50.2	75.2#
76	48.7	29.8	44.8#





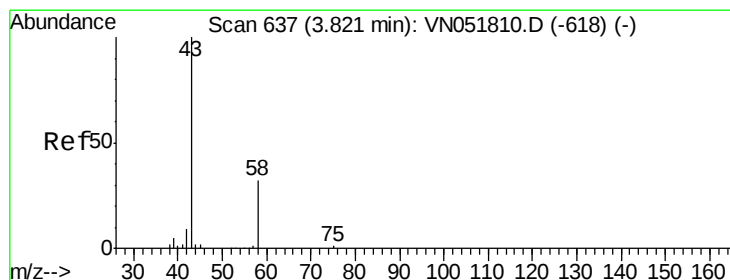
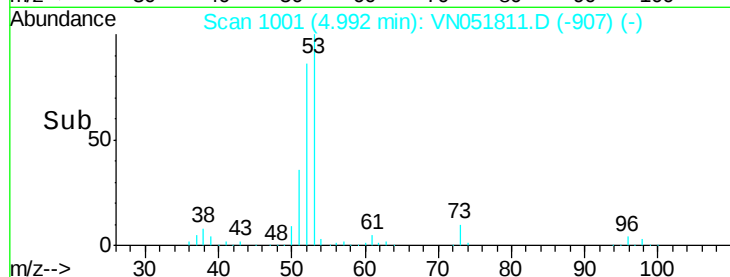
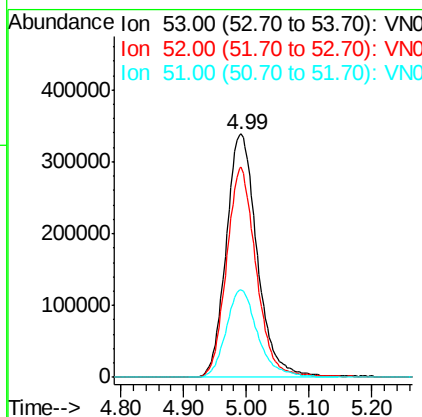
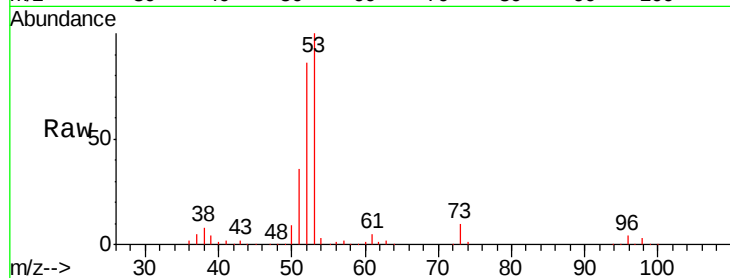
#15
 Acrylonitrile
 Concen: 541.54 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 53 Resp: 1160621
 Ion Ratio Lower Upper
 53 100
 52 82.5 65.9 98.9
 51 36.9 28.6 43.0

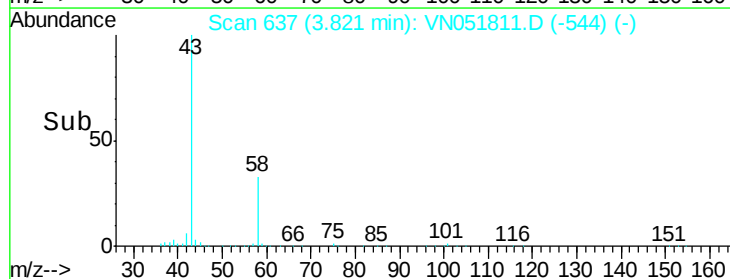
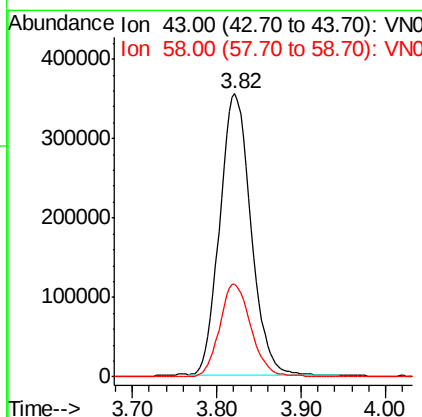
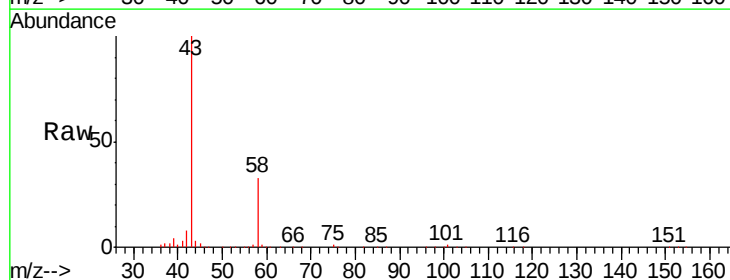
Manual Integrations
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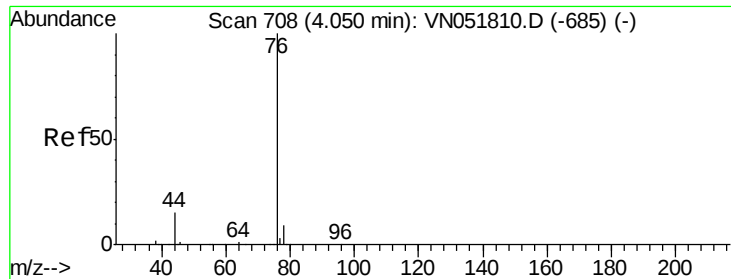
MMDadoda
 10/15/2018 3:00:16 PM



#16
 Acetone
 Concen: 436.58 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion: 43 Resp: 911142
 Ion Ratio Lower Upper
 43 100
 58 32.6 27.2 40.8





#17

Carbon Disulfide

Concen: 100.09 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 1861644

Ion Ratio Lower Upper

76 100

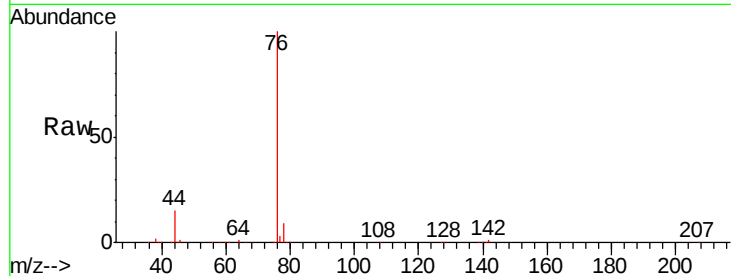
78 9.4 7.3 10.9

Manual Integrations

APPROVED

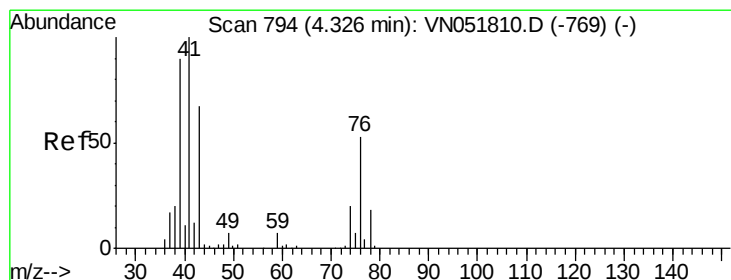
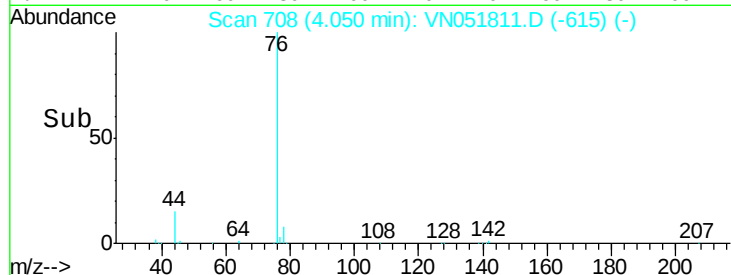
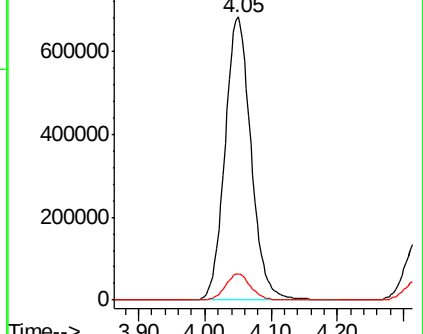
MMDadoda

10/15/2018 3:00:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VN051811.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN051811.D (-615) (-)



#18

Methyl Acetate

Concen: 87.99 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051811.D

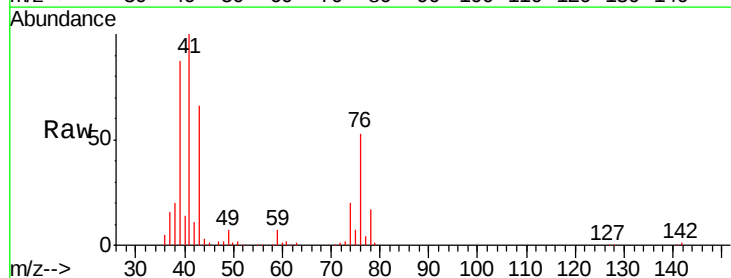
Acq: 11 Oct 2018 12:22

Tgt Ion: 43 Resp: 520241

Ion Ratio Lower Upper

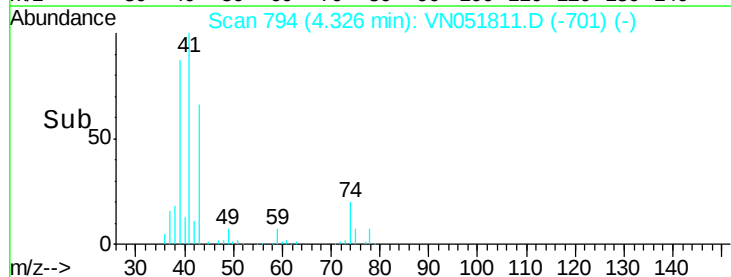
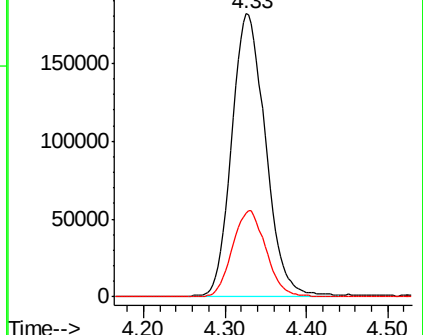
43 100

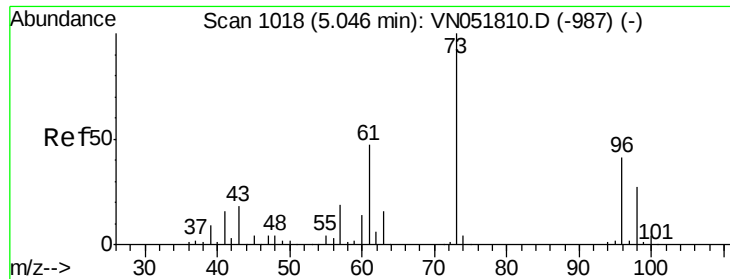
74 30.8 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN051811.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN051811.D (-701) (-)





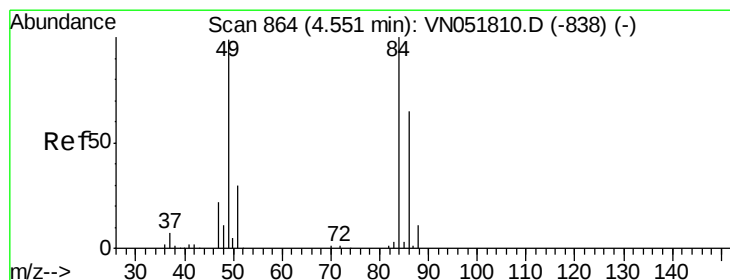
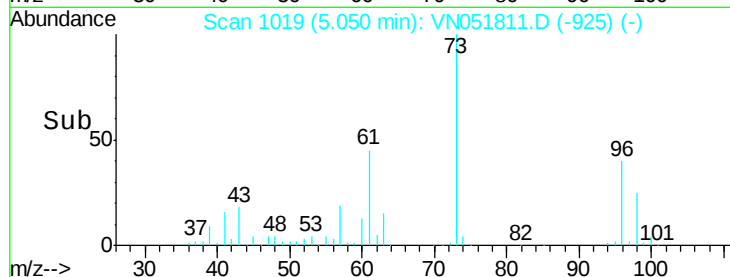
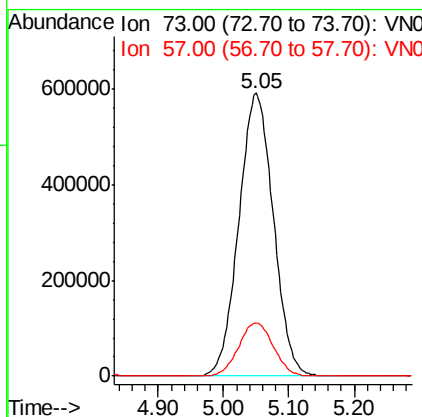
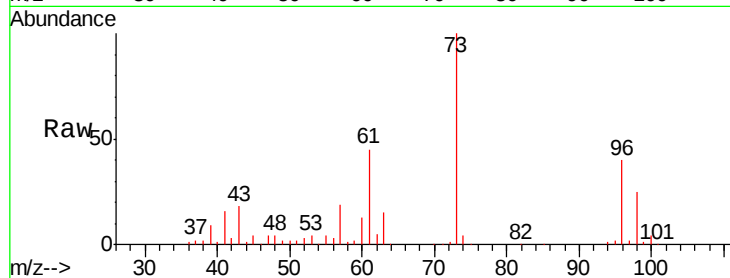
#19
Methyl tert-butyl Ether
Concen: 100.08 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 2173188
Ion Ratio Lower Upper
73 100
57 18.9 17.8 26.8

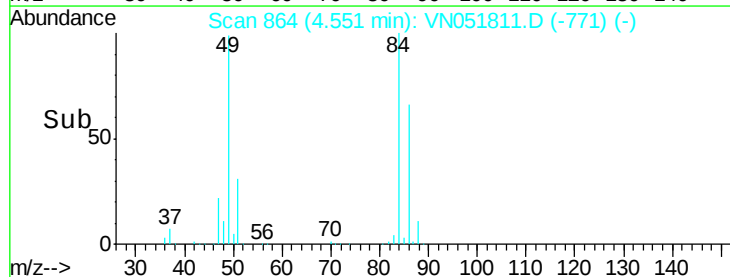
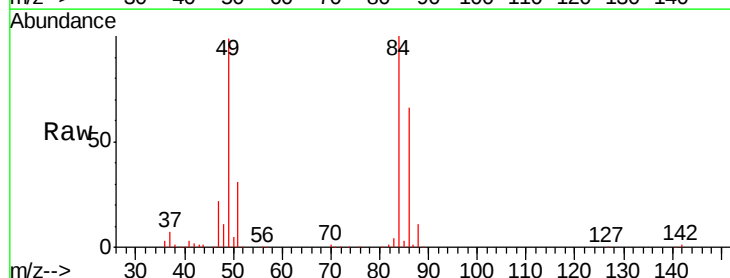
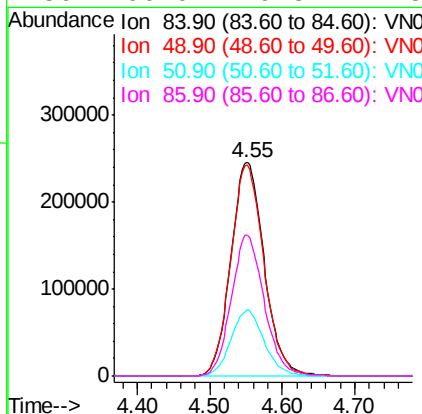
Manual Integrations
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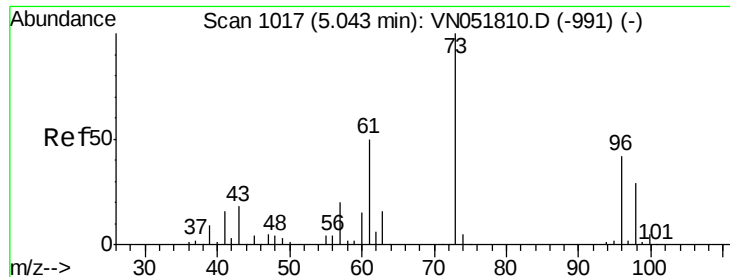
MMDadoda
10/15/2018 3:00:16 PM



#20
Methylene Chloride
Concen: 93.97 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 84 Resp: 786427
Ion Ratio Lower Upper
84 100
49 98.7 93.2 139.8
51 31.0 29.0 43.6
86 66.0 49.8 74.8





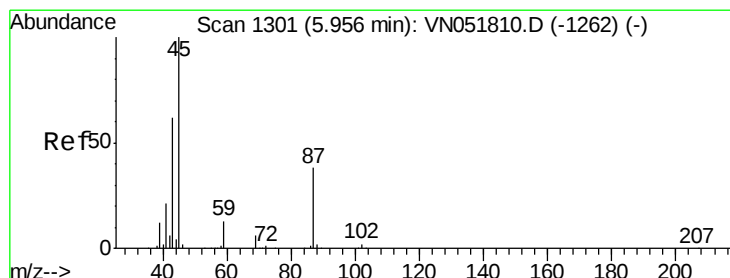
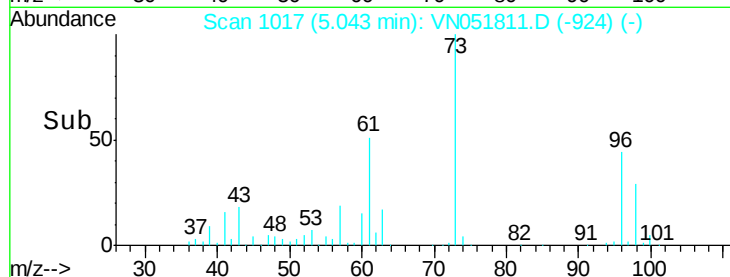
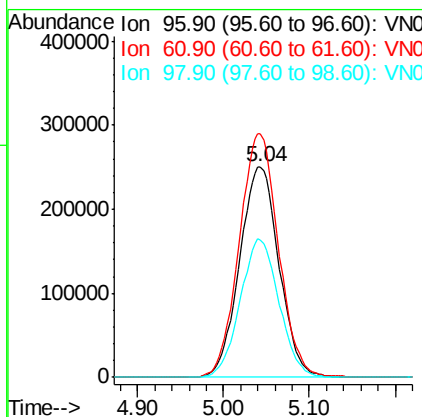
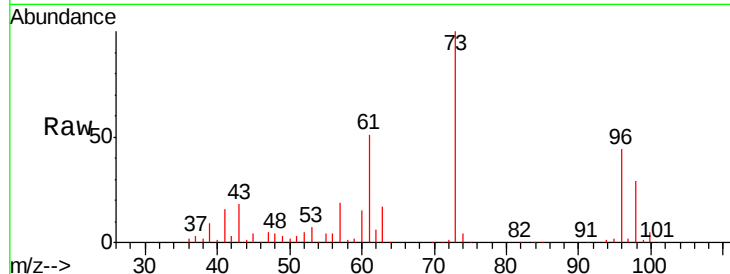
#21
trans-1,2-Dichloroethene
Concen: 98.36 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.3	107.4	161.0
98	65.2	50.7	76.1

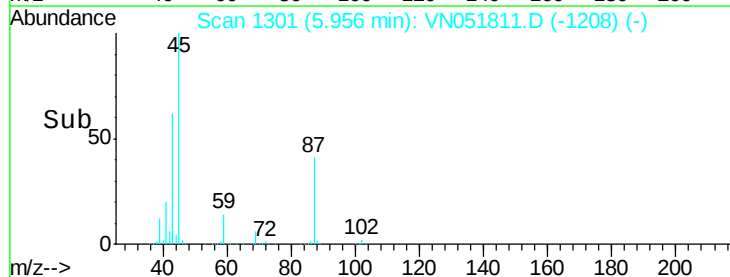
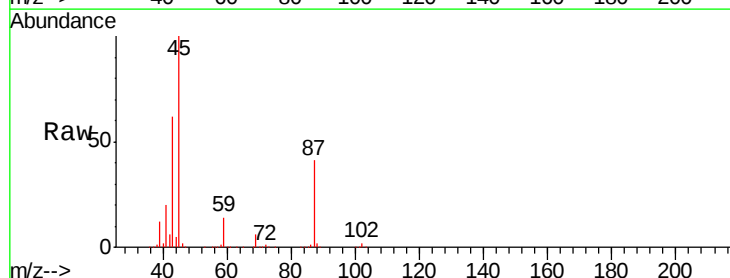
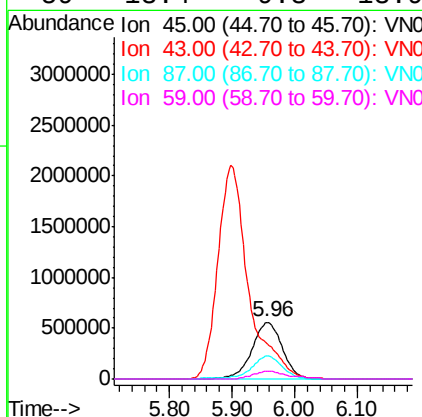
Manual Integrations
APPROVED

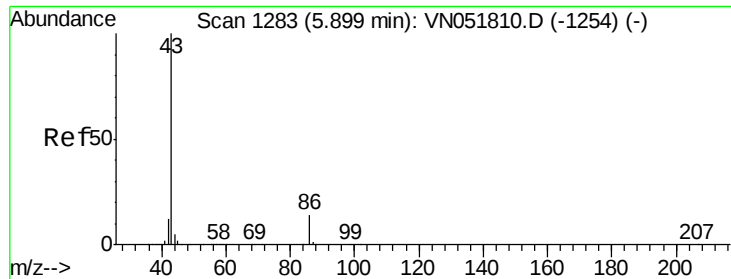
MMDadoda
10/15/2018 3:00:16 PM



#22
Diisopropyl ether
Concen: 96.79 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	45.9	68.9
87	40.9	22.7	34.1
59	13.4	9.3	13.9





#23

Vinyl Acetate

Concen: 515.04 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 7152283

Ion Ratio Lower Upper

43 100

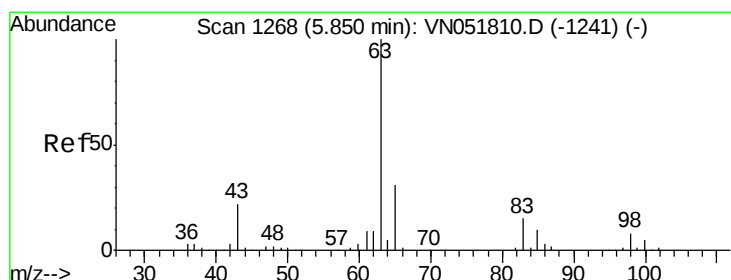
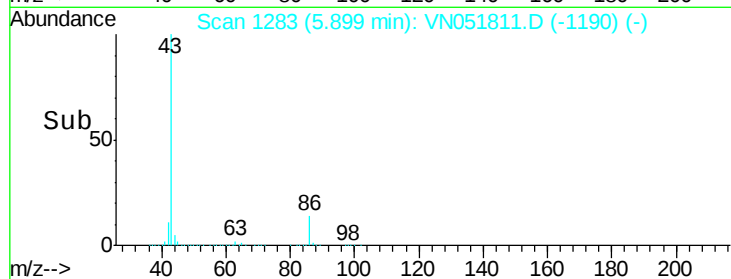
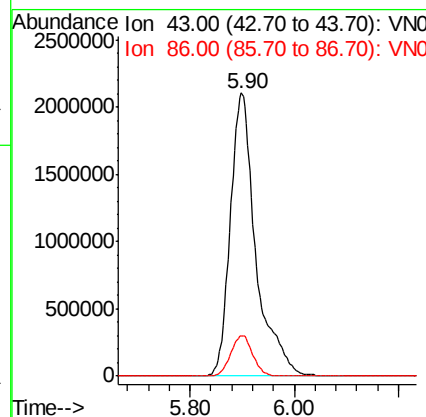
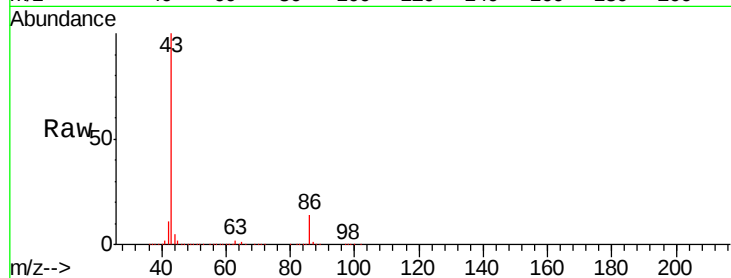
86 14.4 8.7 13.1#

Manual Integrations

APPROVED

MMDadoda

10/15/2018 3:00:16 PM



#24

1,1-Dichloroethane

Concen: 95.35 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

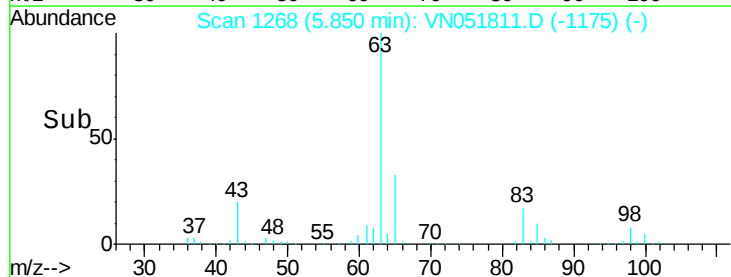
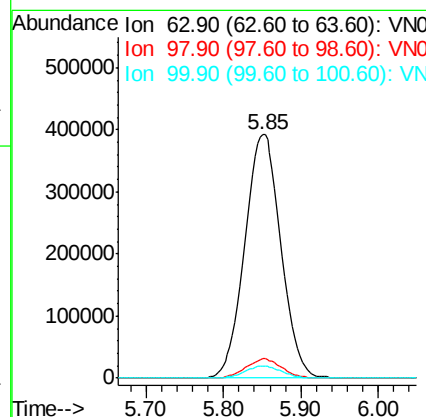
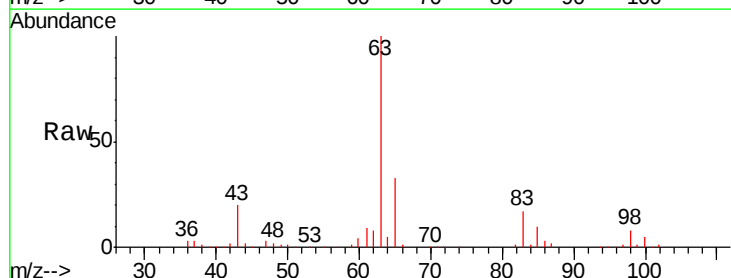
Tgt Ion: 63 Resp: 1275141

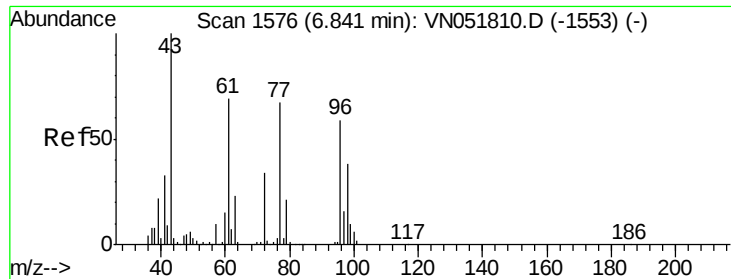
Ion Ratio Lower Upper

63 100

98 8.0 3.3 9.8

100 5.1 2.1 6.5





#25

2-Butanone

Concen: 489.73 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 1390496

Ion Ratio Lower Upper

43 100

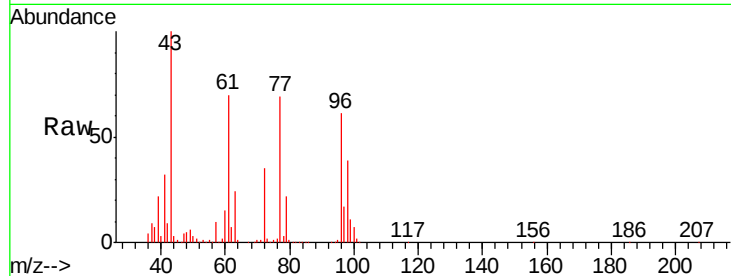
72 34.9 22.3 33.5#

Manual Integrations

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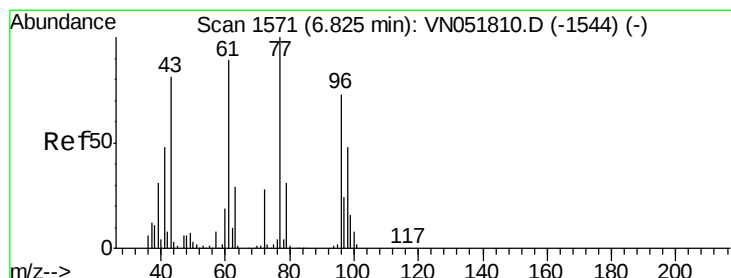
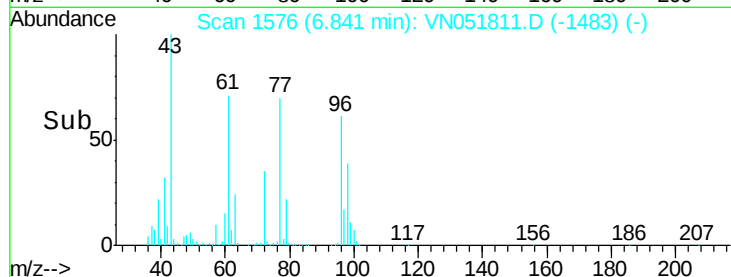
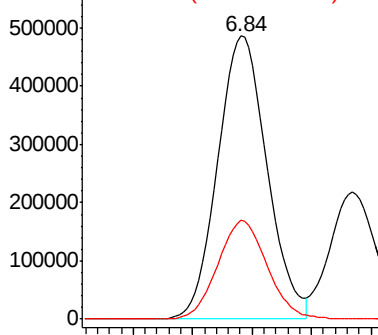
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 97.39 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051811.D

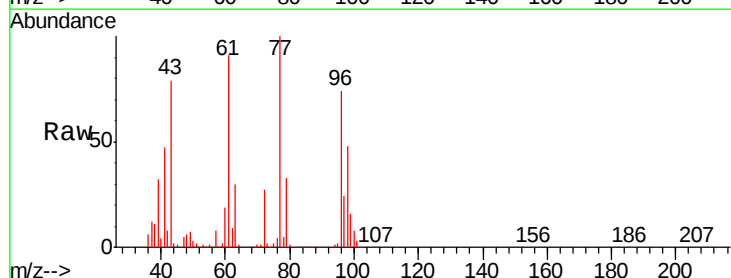
Acq: 11 Oct 2018 12:22

Tgt Ion: 77 Resp: 1314306

Ion Ratio Lower Upper

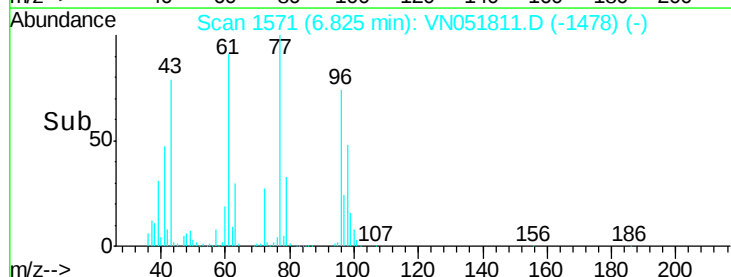
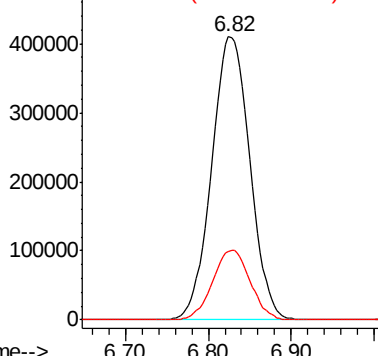
77 100

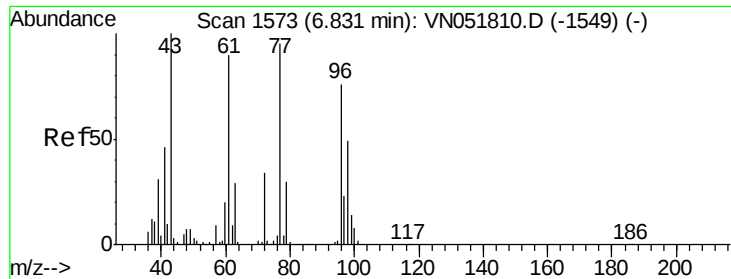
97 24.3 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 102.15 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

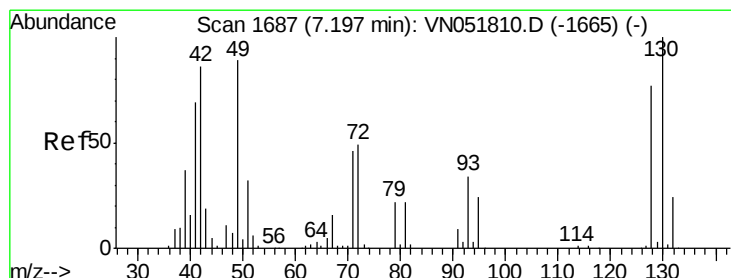
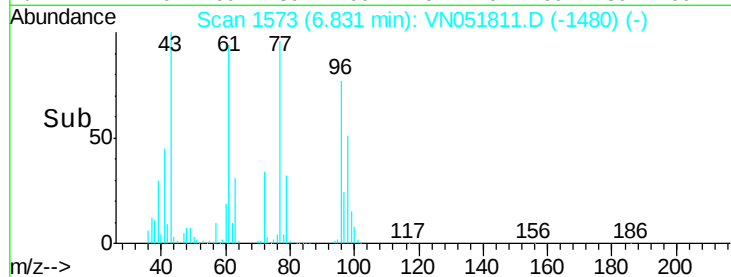
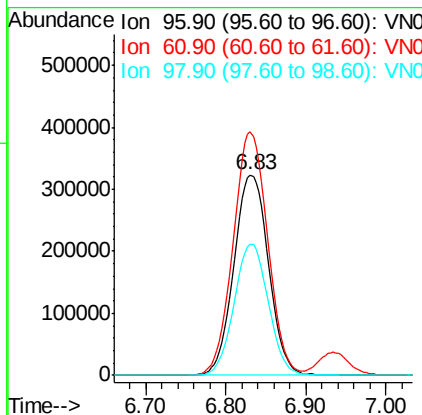
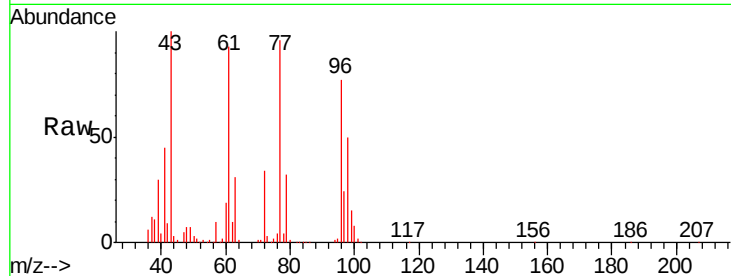
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	947895
Ion Ratio	Lower	Upper	
96	100		
61	120.9	0.0	283.4
98	64.7	0.0	129.8

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#28

Bromochloromethane

Concen: 94.34 ug/l

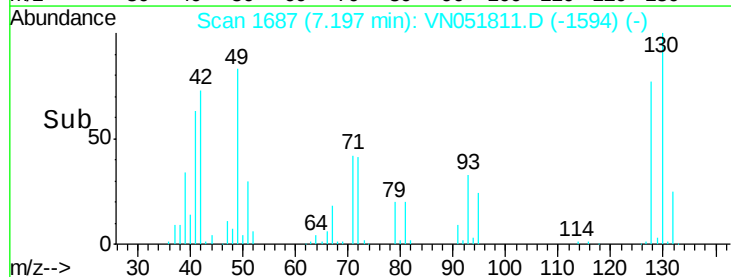
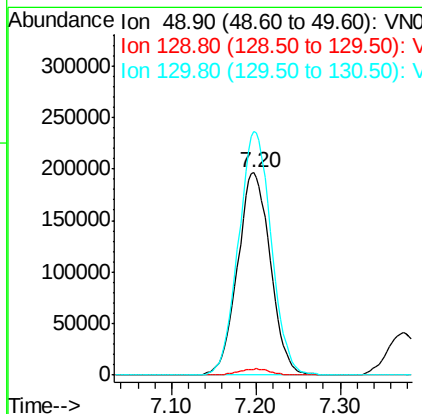
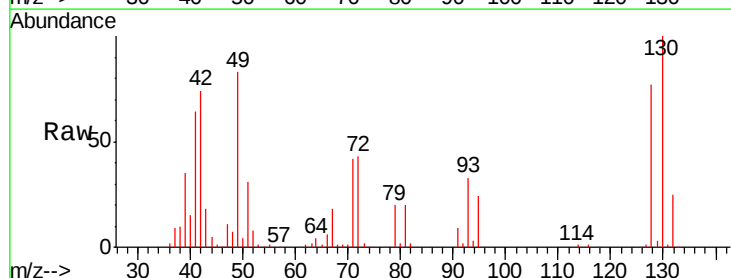
RT: 7.20 min Scan# 1687

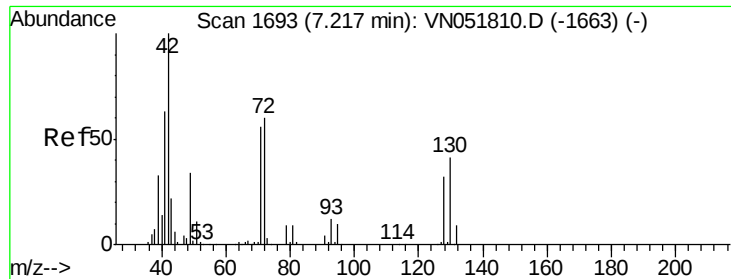
Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Tgt Ion:	49	Resp:	532206
Ion Ratio	Lower	Upper	
49	100		
129	3.0	0.0	4.2
130	120.1	67.1	100.7#





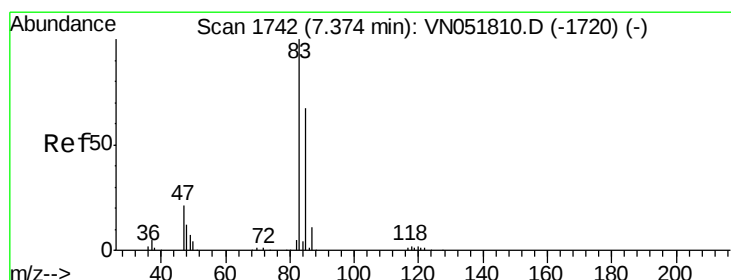
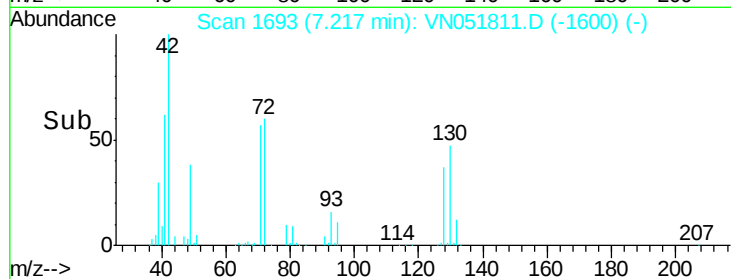
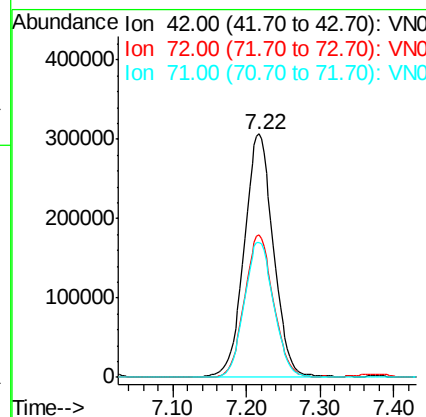
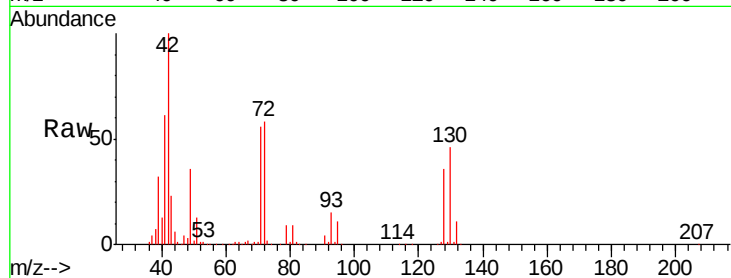
#29
Tetrahydrofuran
Concen: 506.60 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 845146
Ion Ratio Lower Upper
42 100
72 57.9 35.5 53.3#
71 56.0 33.7 50.5#

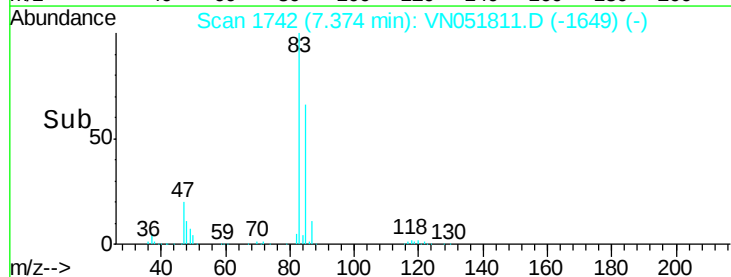
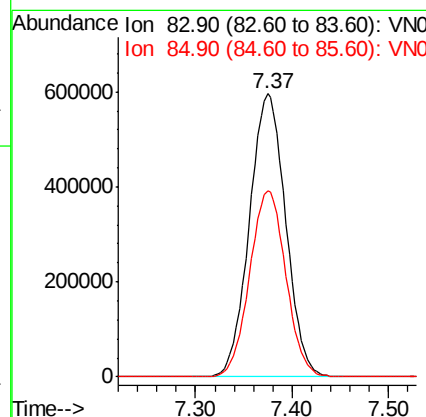
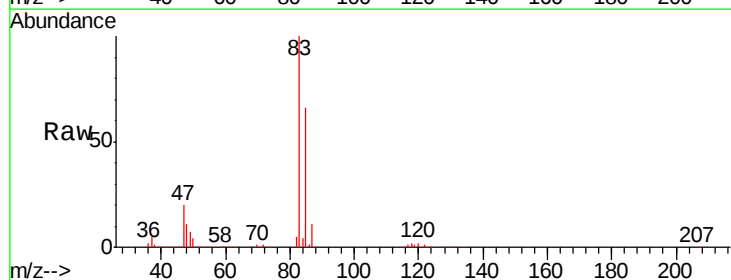
Manual Integrations
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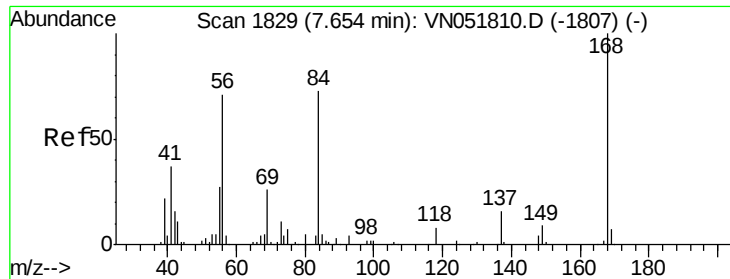
MMDadoda
10/15/2018 3:00:16 PM



#30
Chloroform
Concen: 97.92 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 83 Resp: 1552412
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.4





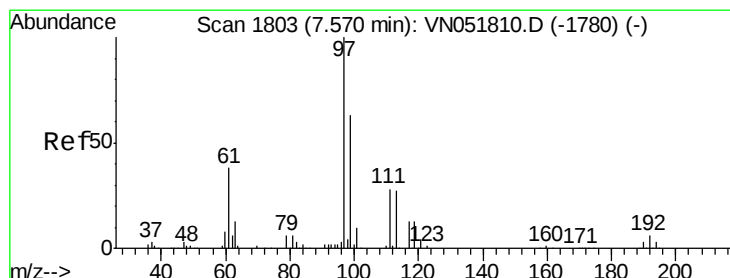
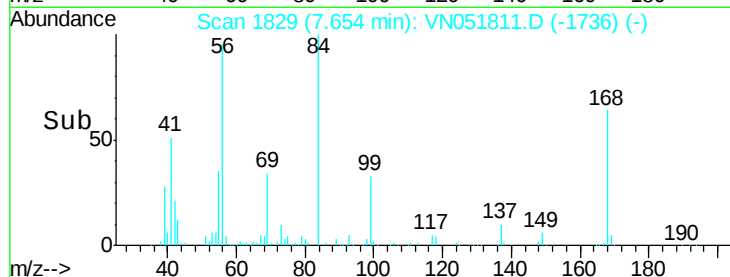
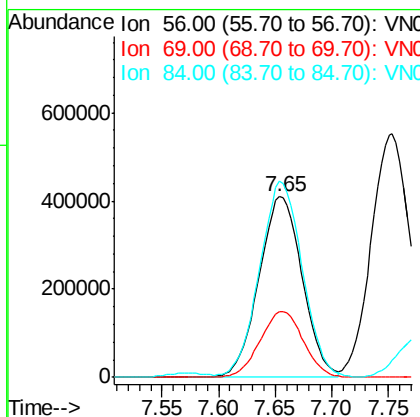
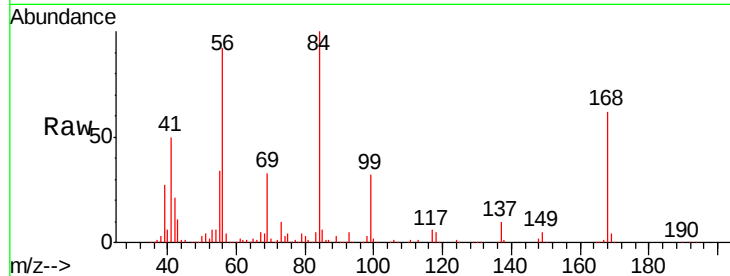
#31
Cyclohexane
Concen: 79.32 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 1086818
Ion Ratio Lower Upper
56 100
69 36.3 26.2 39.4
84 106.7 68.3 102.5#

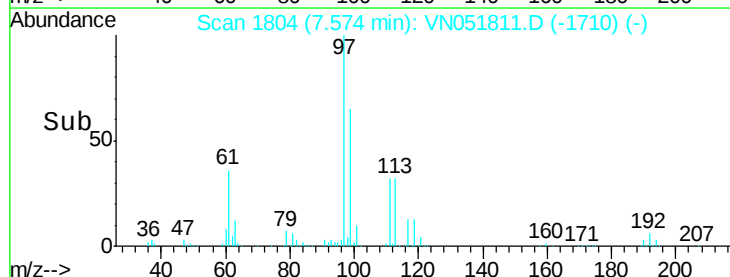
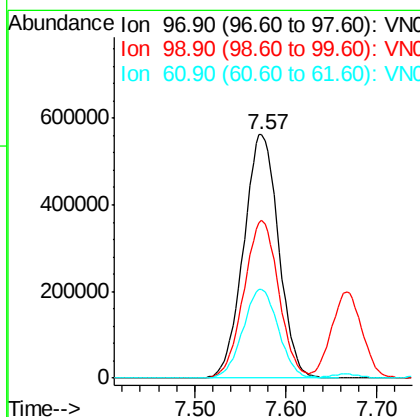
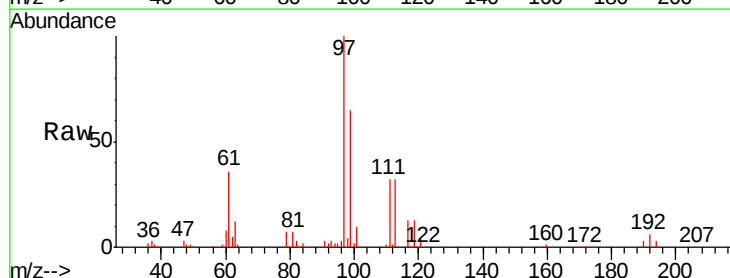
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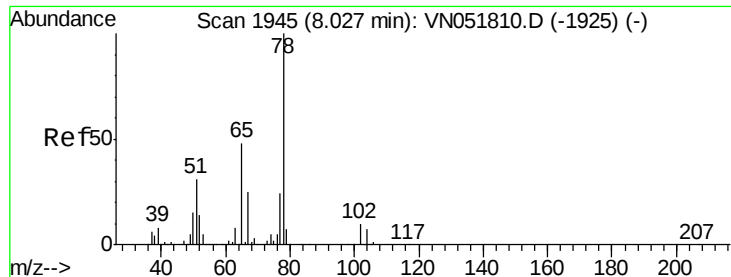
MMDadoda
10/15/2018 3:00:16 PM



#32
1,1,1-Trichloroethane
Concen: 102.00 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 97 Resp: 1498523
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.6
61 36.9 34.9 52.3





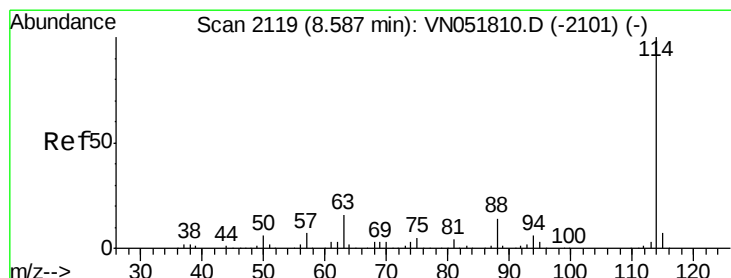
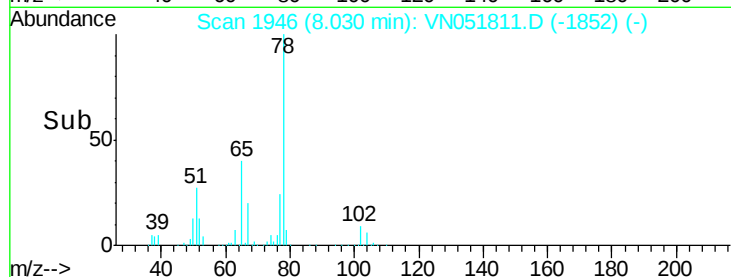
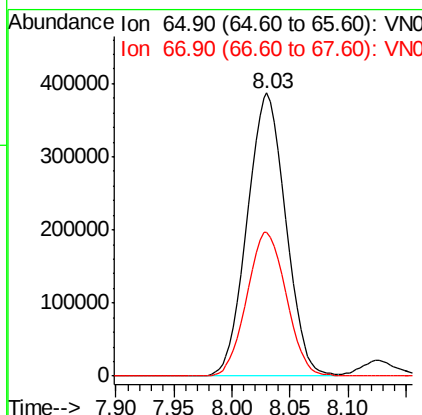
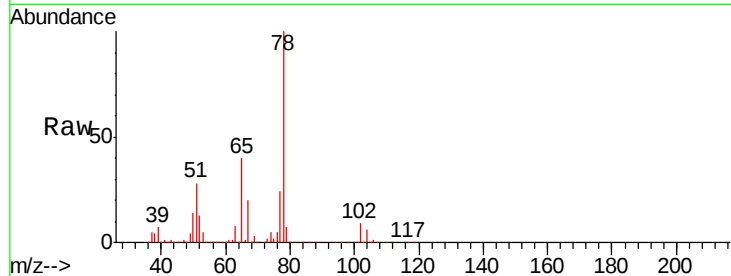
#33
 1,2-Dichloroethane-d4
 Concen: 102.00 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 896239
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 110.4

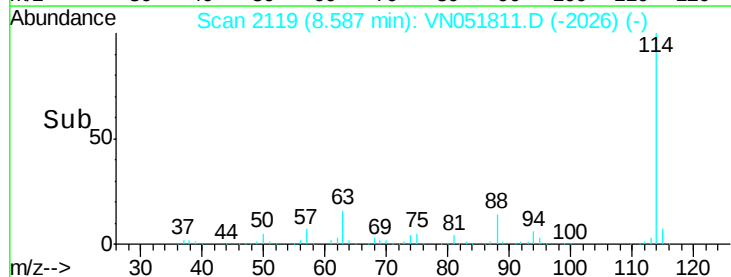
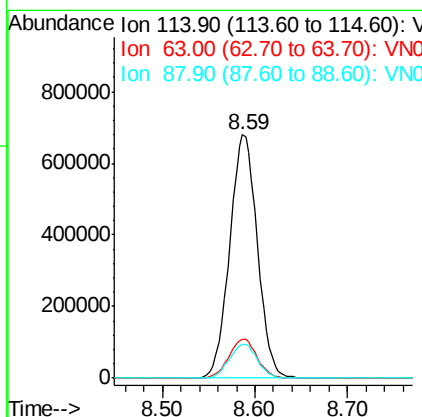
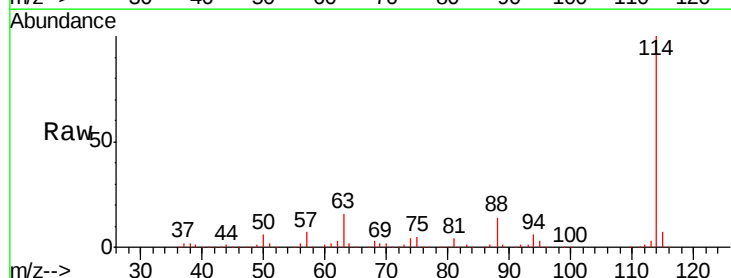
Manual Integrations
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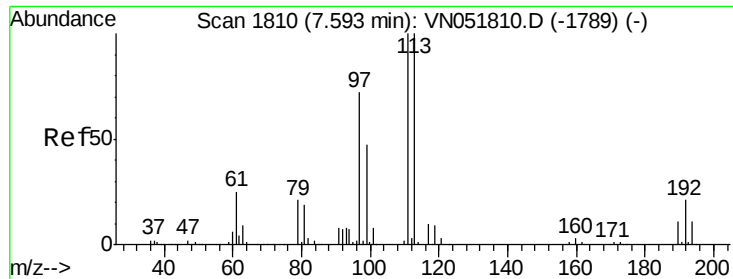
MMDadoda
 10/15/2018 3:00:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion: 114 Resp: 1402764
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 38.6
 88 14.1 0.0 30.6





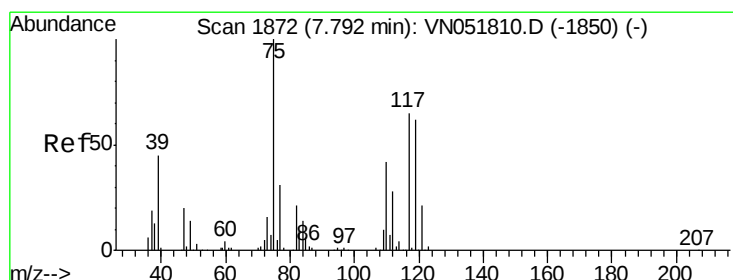
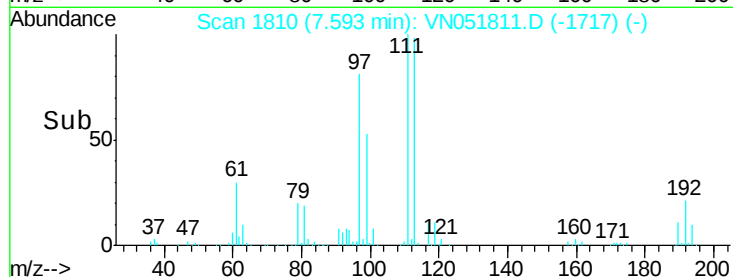
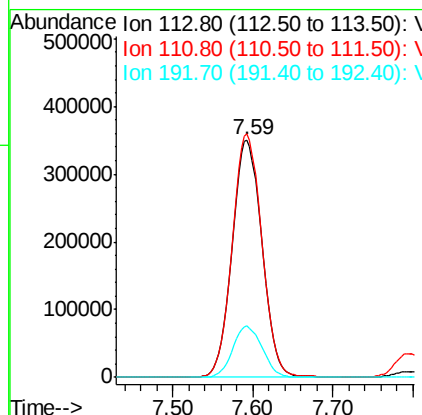
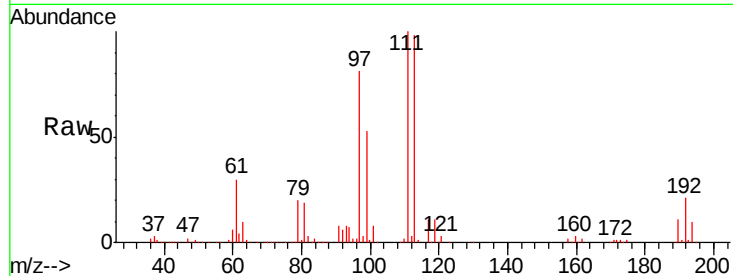
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	884490		
111	102.0	82.6	123.8	
192	21.4	18.0	27.0	

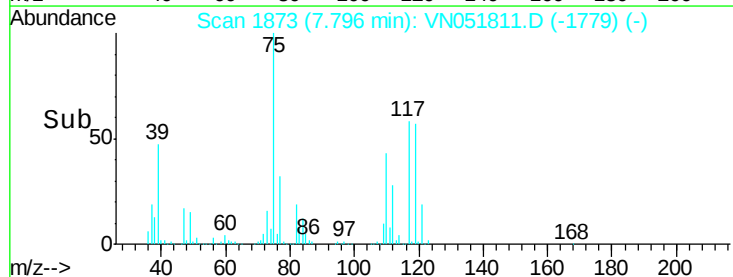
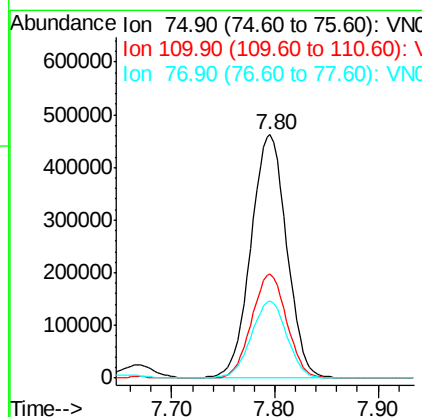
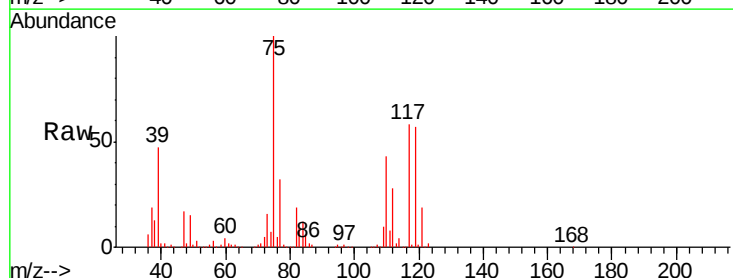
Manual Integrations
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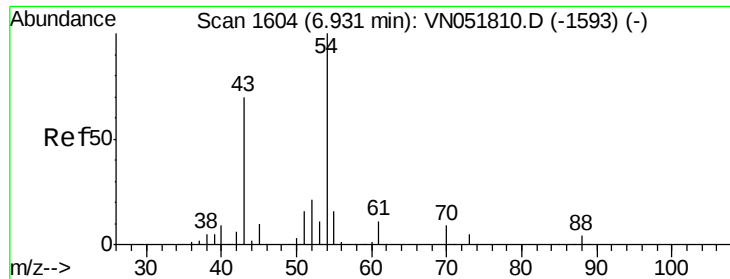
MMDadoda
10/15/2018 3:00:16 PM



#36
1,1-Dichloropropene
Concen: 96.34 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1108331		
110	42.2	18.1	54.4	
77	31.5	24.8	37.2	





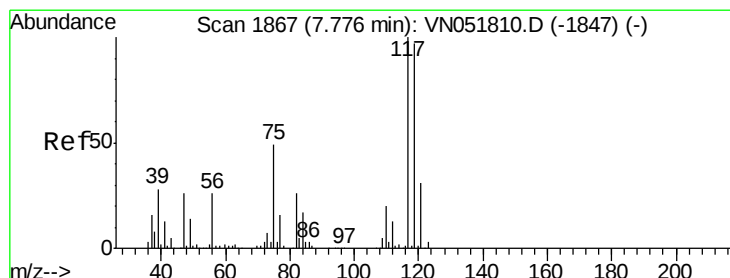
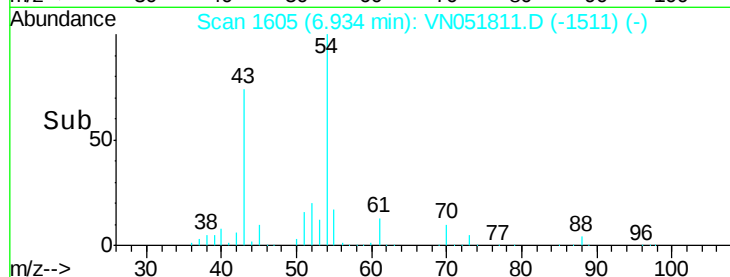
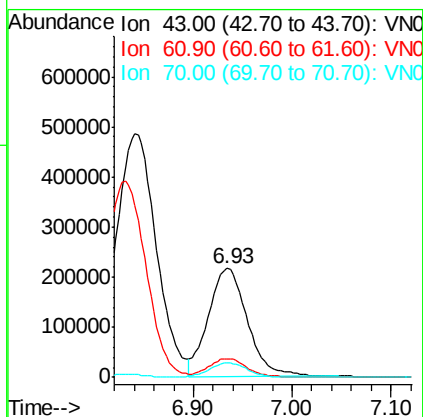
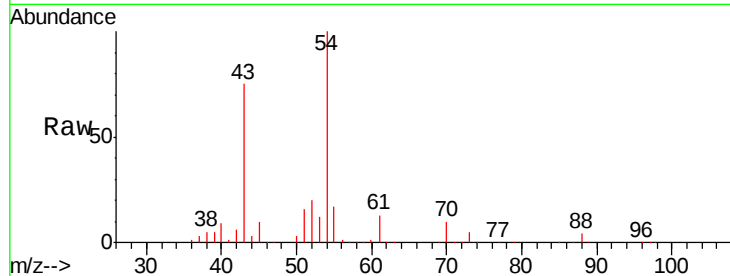
#37
Ethyl Acetate
Concen: 103.87 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.0	12.0	18.0
70	13.1	8.6	13.0

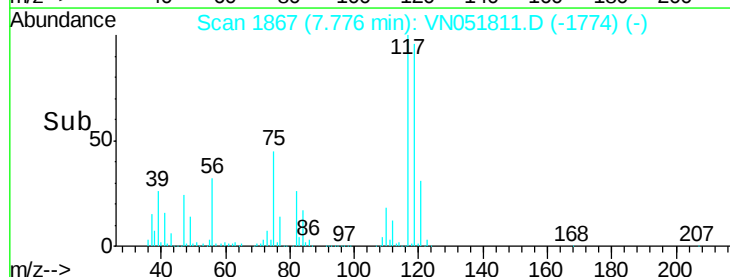
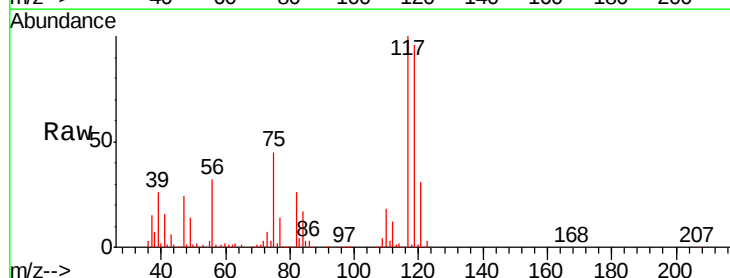
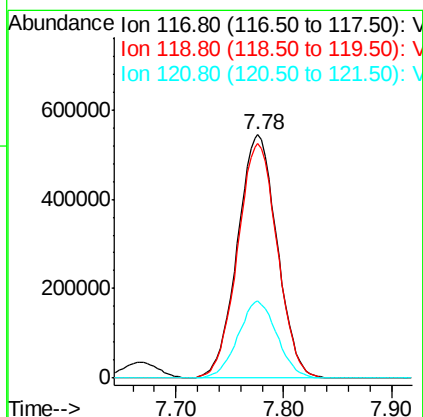
Manual Integrations
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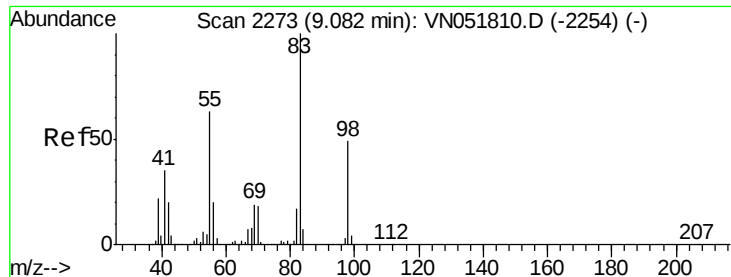
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10/15/2018 3:00:16 PM



#38
Carbon Tetrachloride
Concen: 107.44 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	114.5
121	31.6	24.6	36.8





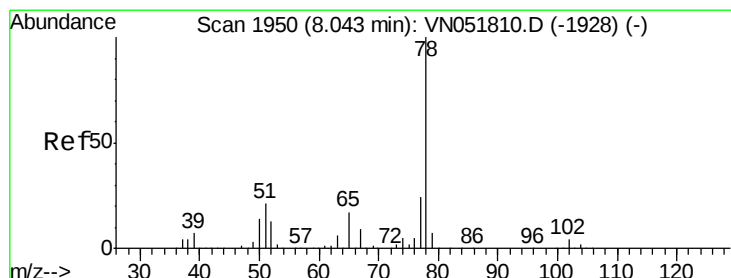
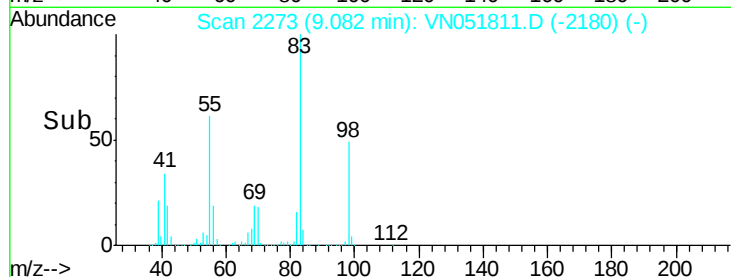
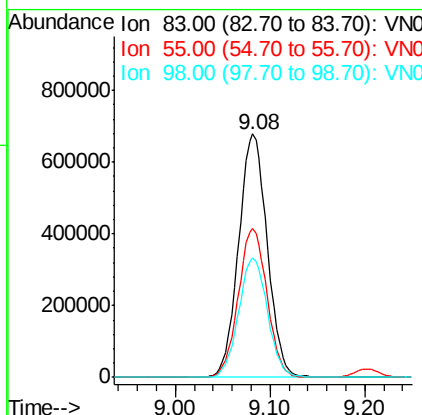
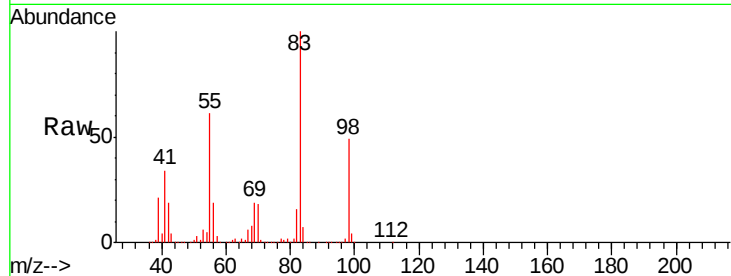
#39
Methylcyclohexane
Concen: 102.87 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 83 Resp: 1425711
Ion Ratio Lower Upper
83 100
55 60.9 61.0 91.4#
98 49.0 37.5 56.3

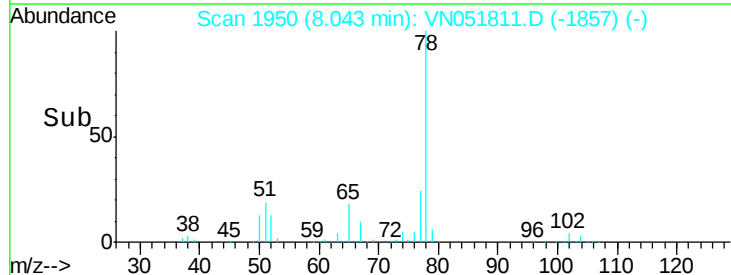
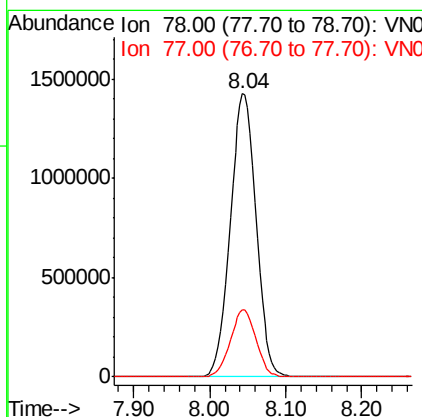
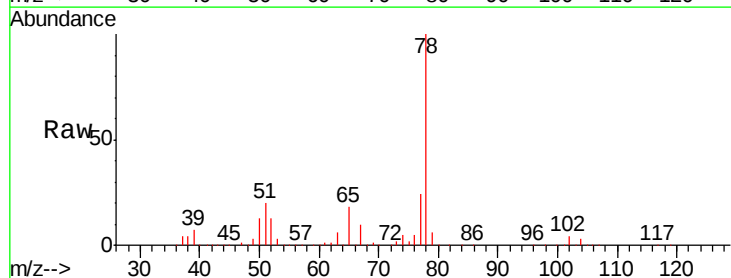
Manual Integrations
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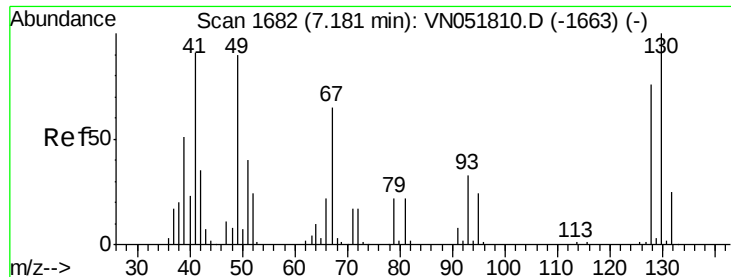
MMDadoda
10/15/2018 3:00:16 PM



#40
Benzene
Concen: 102.72 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 78 Resp: 3348698
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 113.36 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 310338
Ion Ratio Lower Upper

41 100

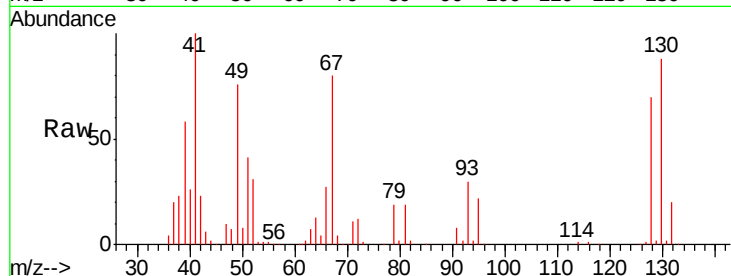
39 58.4 45.4 68.0

67 103.1 70.6 106.0

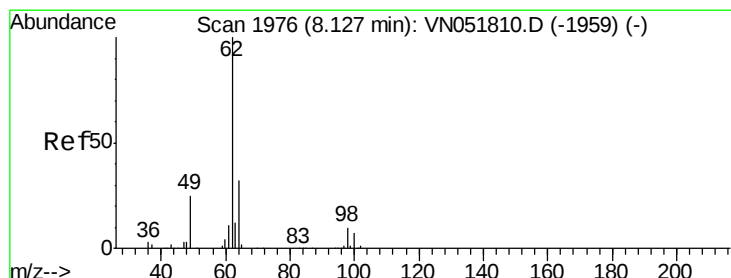
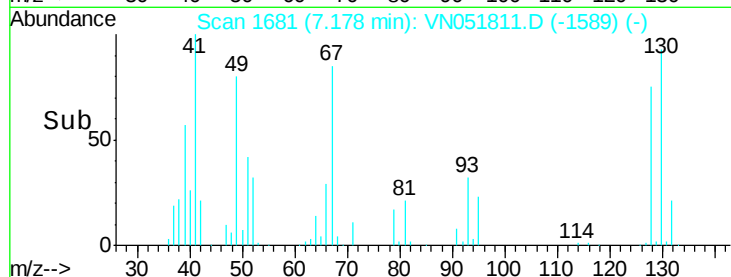
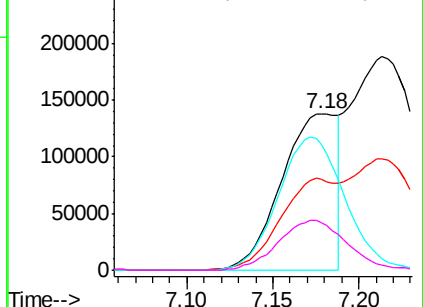
52 38.6 27.1 40.7

Manual Integrations
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10/15/2018 3:00:16 PM



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 99.95 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

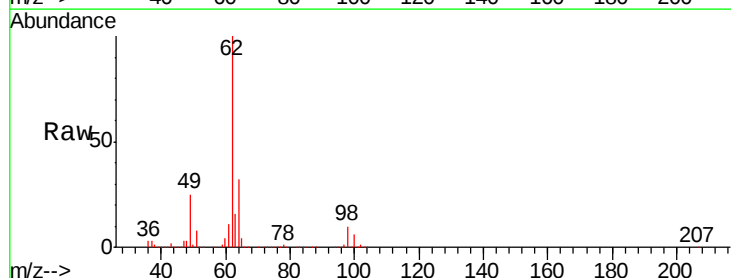
Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

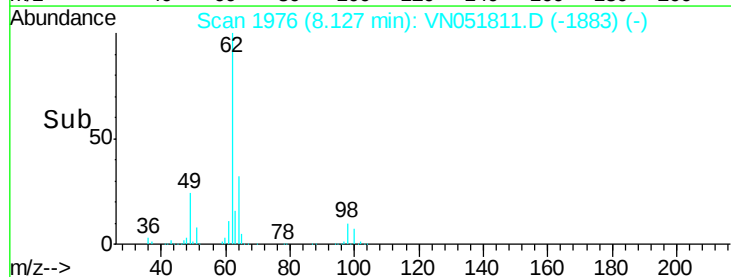
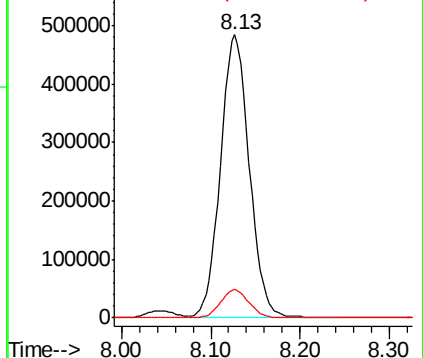
Tgt Ion: 62 Resp: 1077943
Ion Ratio Lower Upper

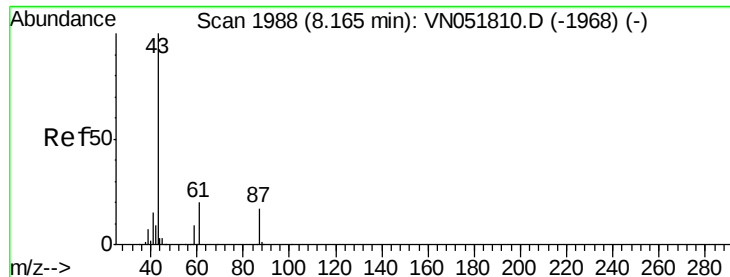
62 100

98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





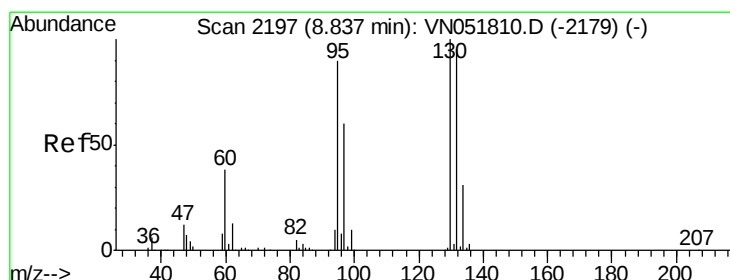
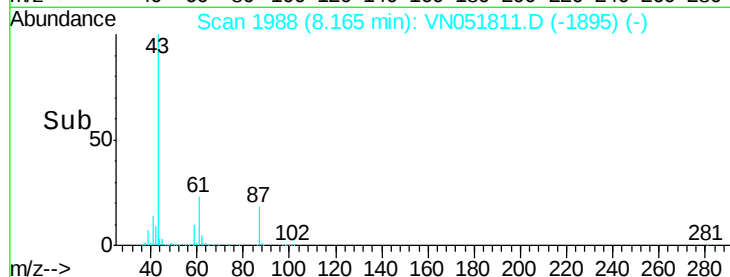
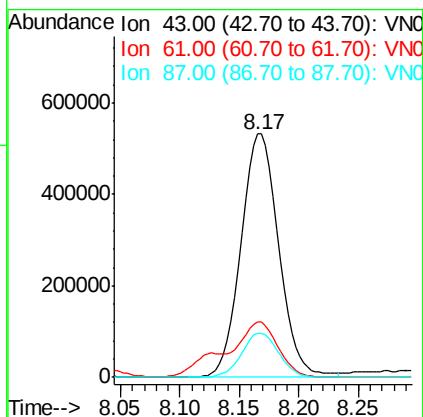
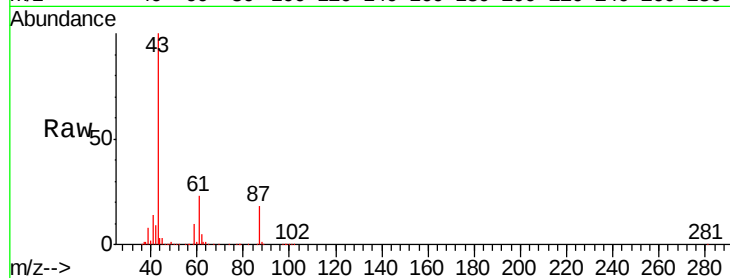
#43
Isopropyl Acetate
Concen: 77.35 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.5	26.3
87	18.0	11.3	16.9

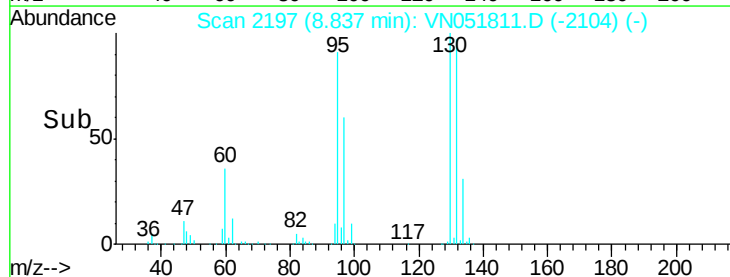
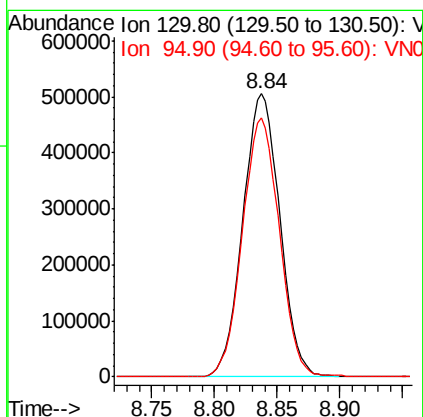
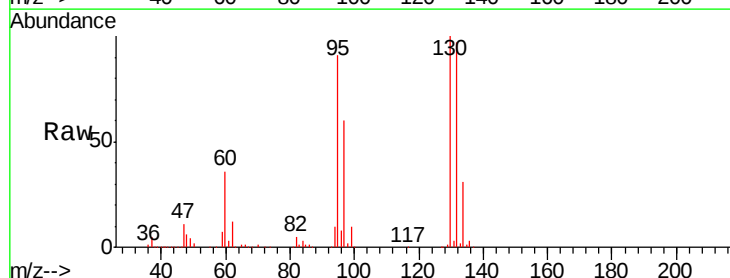
Manual Integrations
APPROVED

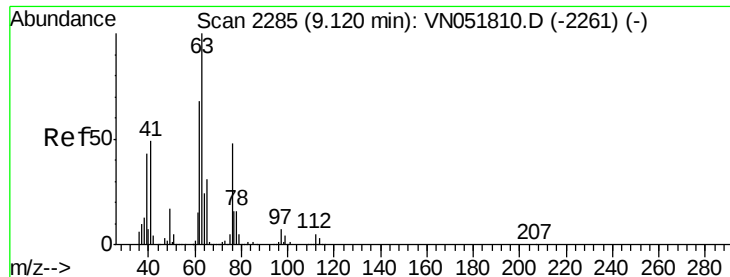
MMDadoda
10/15/2018 3:00:16 PM



#44
Trichloroethene
Concen: 105.76 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	193.0





#45

1,2-Dichloropropane

Concen: 98.27 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 764056

Ion Ratio Lower Upper

63 100

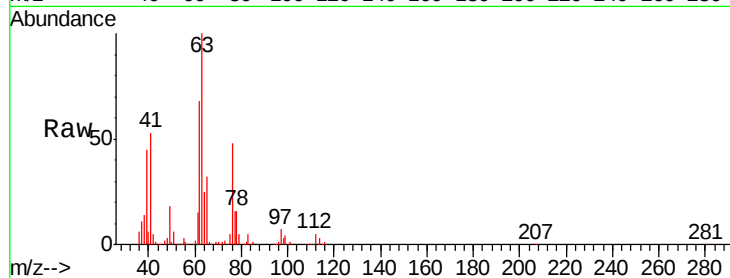
65 32.2 25.0 37.6

Manual Integrations

APPROVED

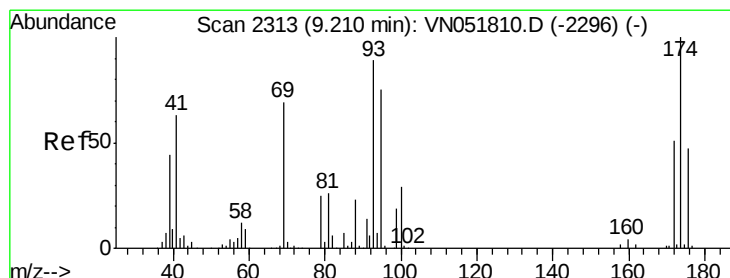
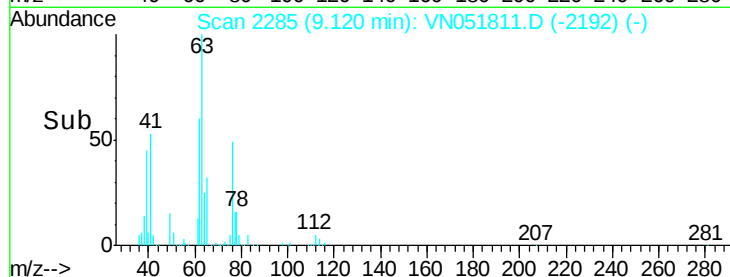
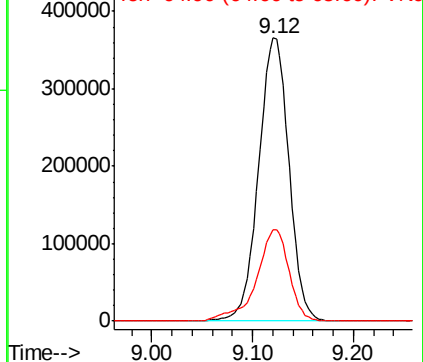
MMDadoda

10/15/2018 3:00:16 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 105.42 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

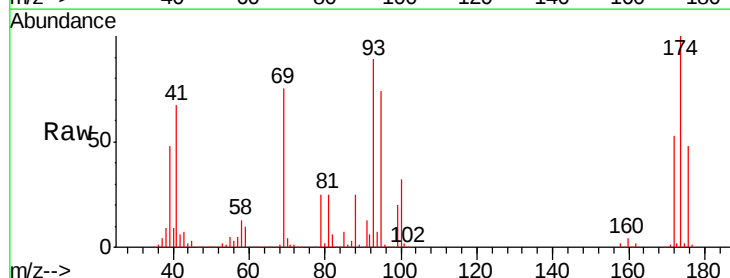
Tgt Ion: 93 Resp: 612740

Ion Ratio Lower Upper

93 100

95 84.4 66.7 100.1

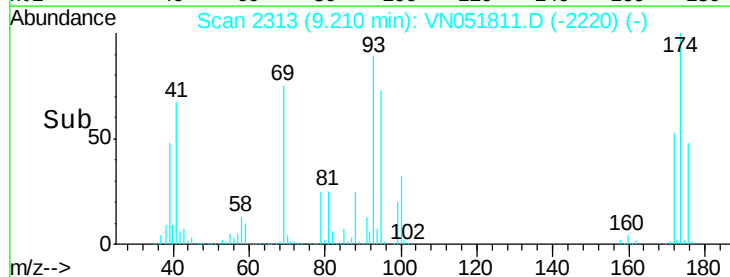
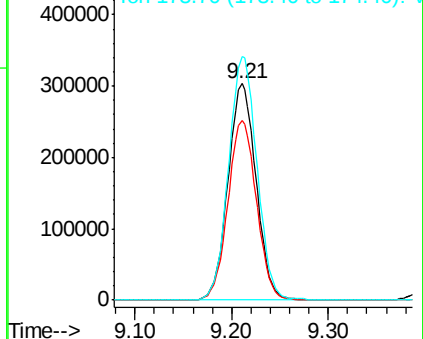
174 113.7 89.8 134.6

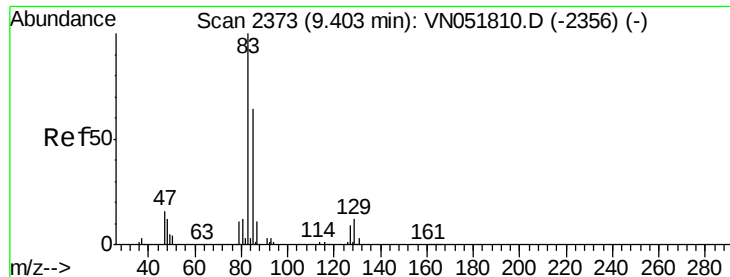


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 108.34 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1245062

Ion Ratio Lower Upper

83 100

85 64.3 52.6 78.8

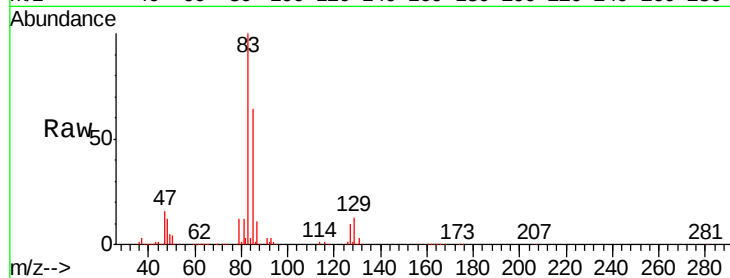
127 9.6 7.2 10.8

Manual Integrations

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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0

9.40

800000

600000

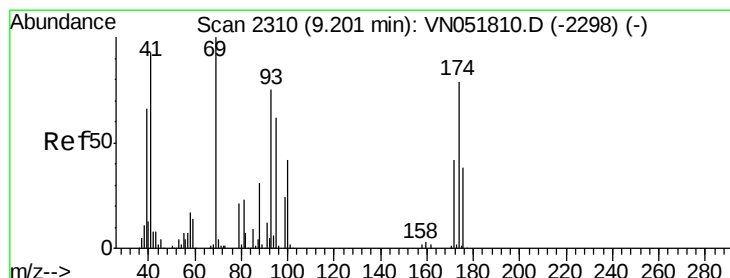
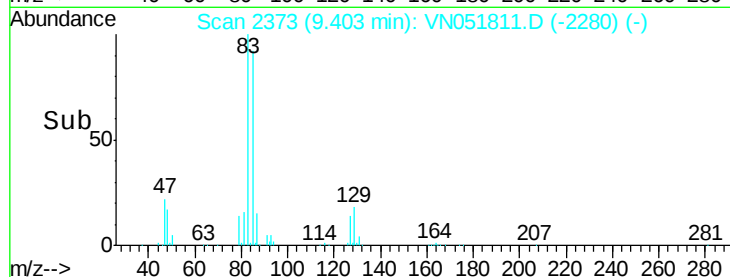
400000

200000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 106.49 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

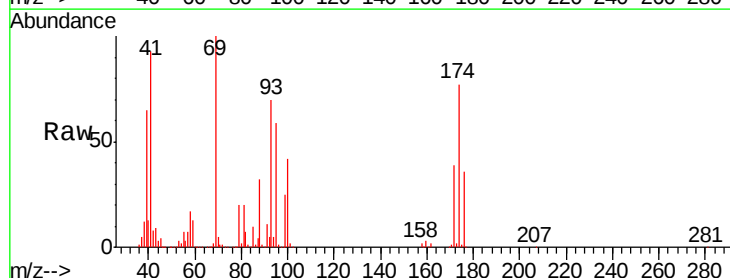
Tgt Ion: 41 Resp: 542947

Ion Ratio Lower Upper

41 100

69 110.8 74.7 112.1

39 72.2 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.20

400000

300000

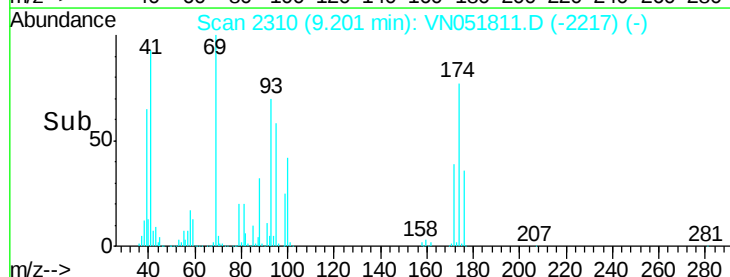
200000

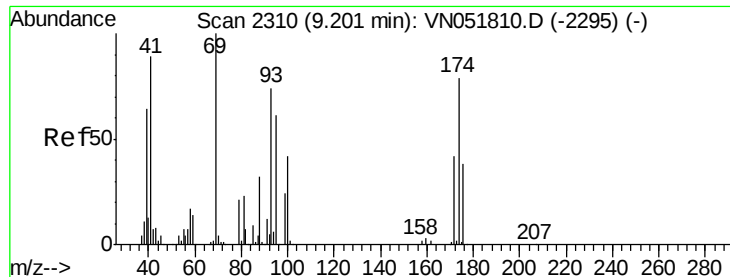
100000

0

9.15 9.20 9.25

Time-->





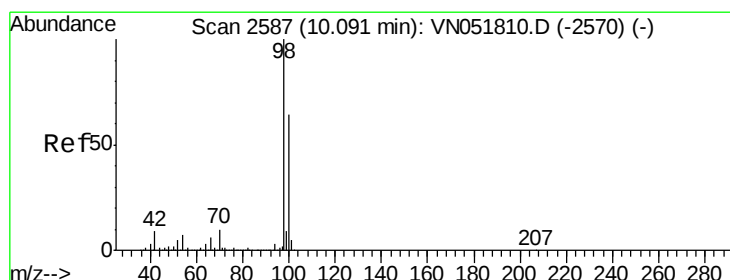
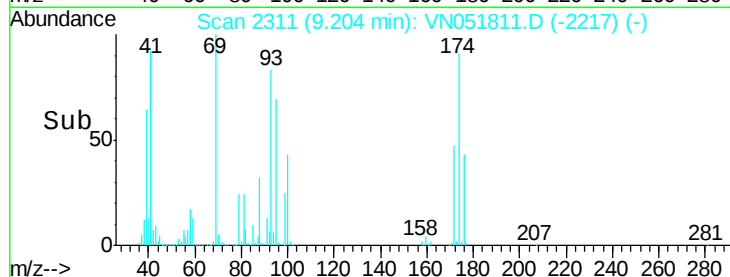
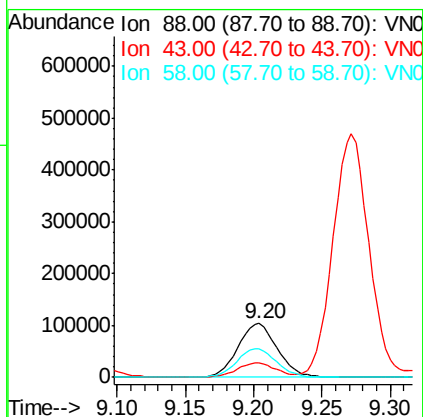
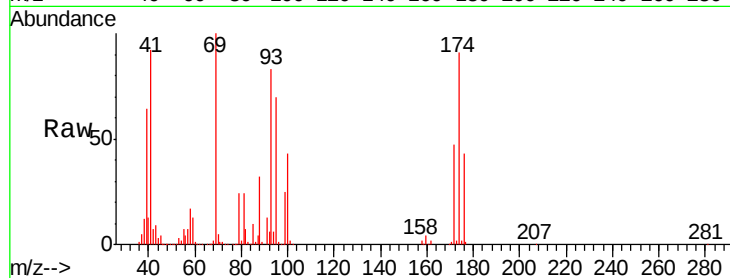
#49
1,4-Dioxane
Concen: 2573.07 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.1	25.9	38.9
58	54.1	55.0	82.4

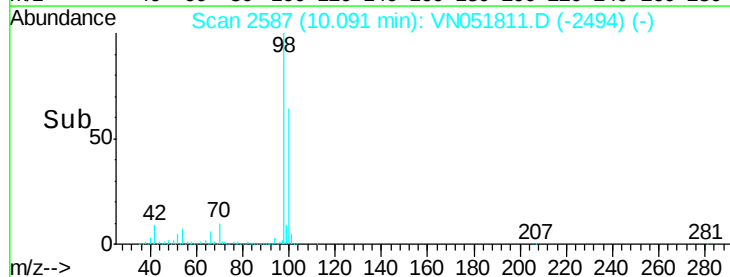
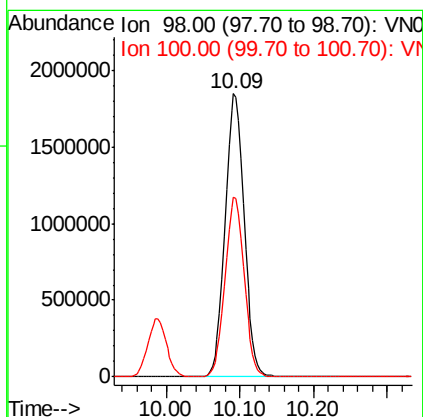
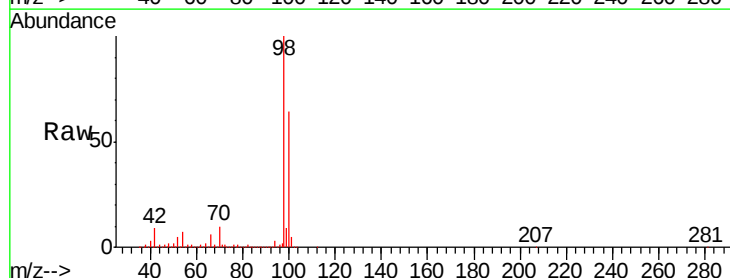
Manual Integrations
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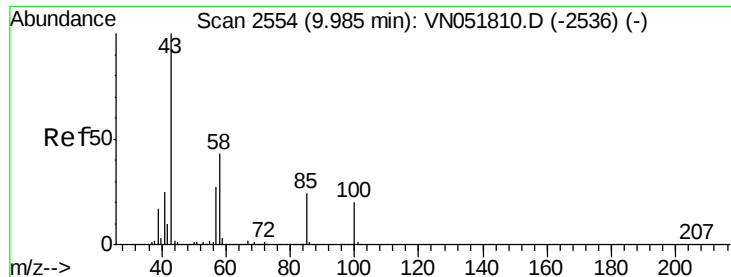
MMDadoda
10/15/2018 3:00:16 PM



#50
Toluene-d8
Concen: 2573.07 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





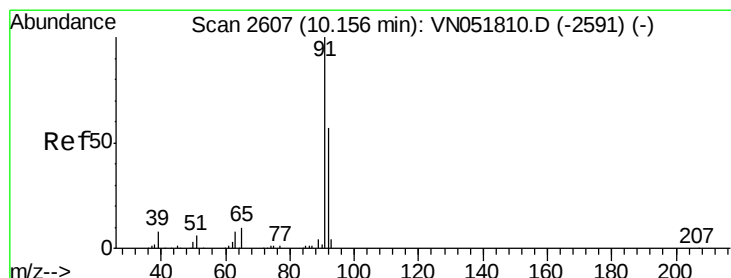
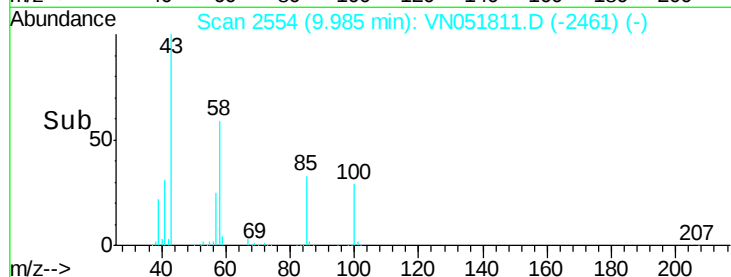
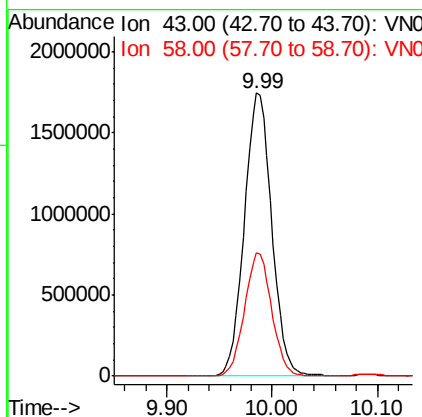
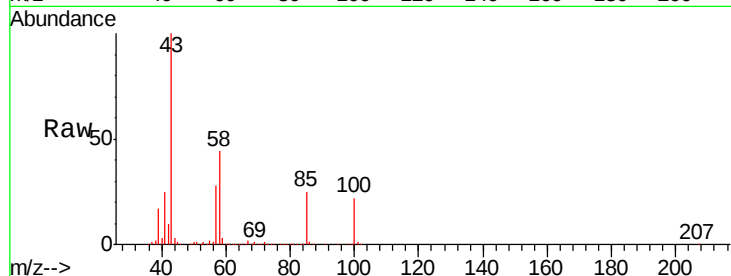
#51
4-Methyl-2-Pentanone
Concen: 529.32 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 3148967
Ion Ratio Lower Upper
43 100
58 43.3 32.4 48.6

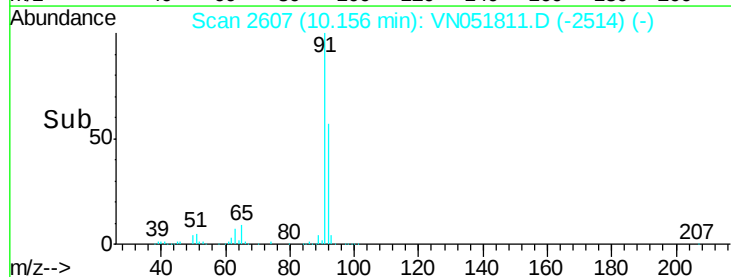
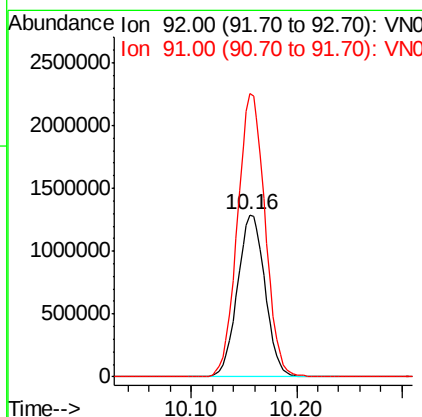
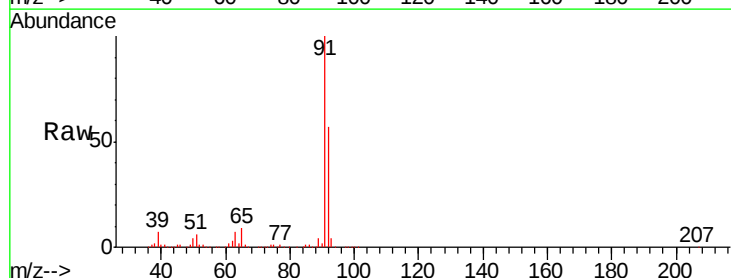
Manual Integrations
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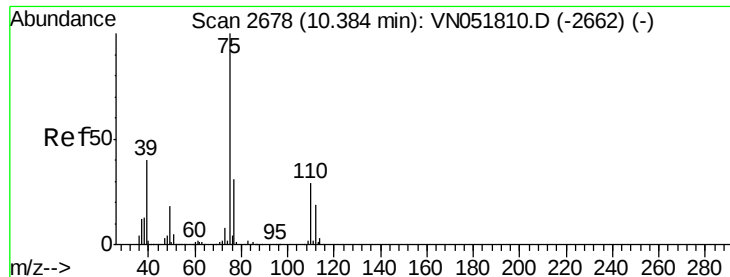
MMDadoda
10/15/2018 3:00:16 PM



#52
Toluene
Concen: 109.70 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 92 Resp: 2339560
Ion Ratio Lower Upper
92 100
91 175.0 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 115.63 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 1301482

Ion Ratio Lower Upper

75 100

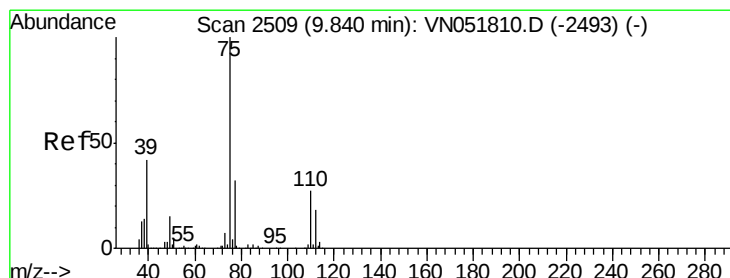
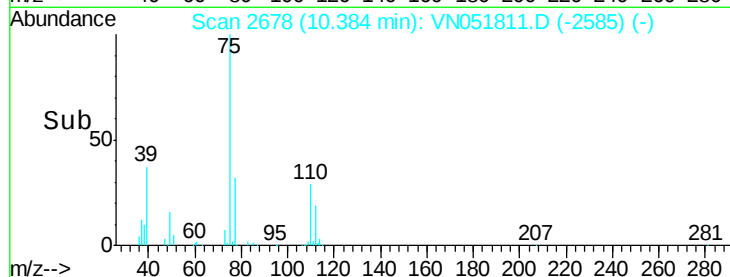
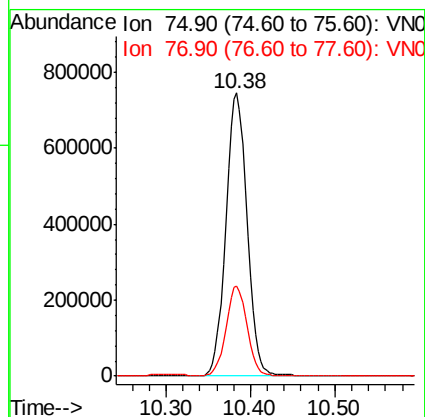
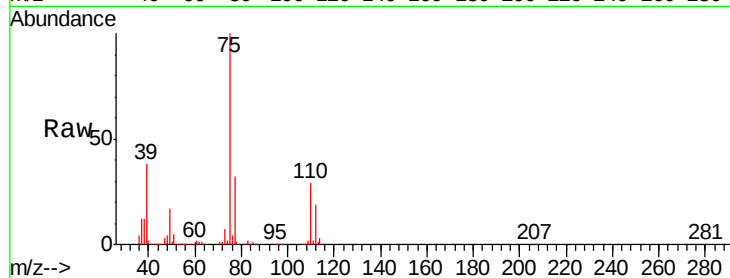
77 31.8 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/15/2018 3:00:16 PM



#54

cis-1,3-Dichloropropene

Concen: 108.99 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

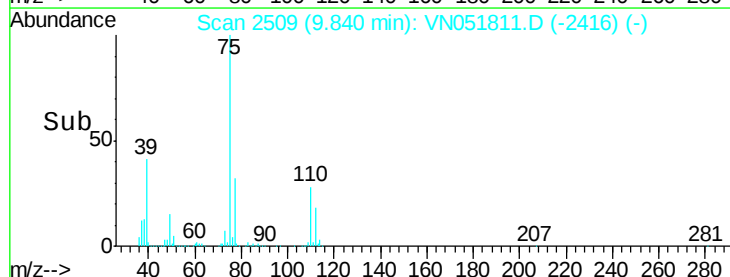
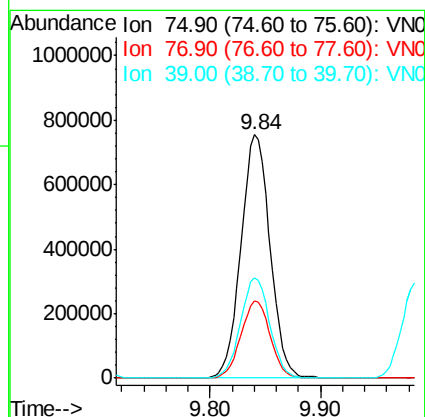
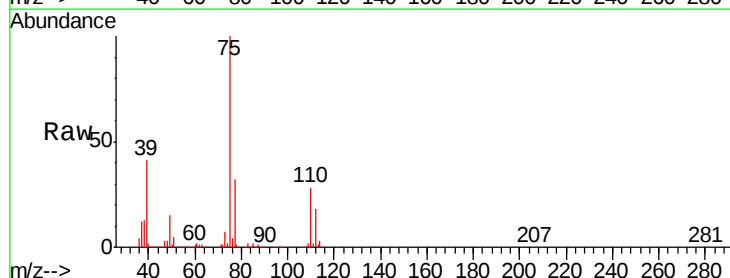
Tgt Ion: 75 Resp: 1377590

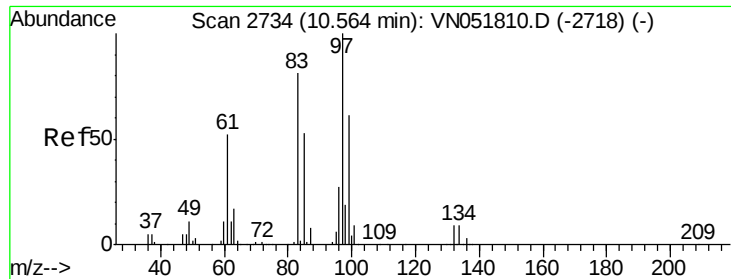
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 41.3 33.0 49.4





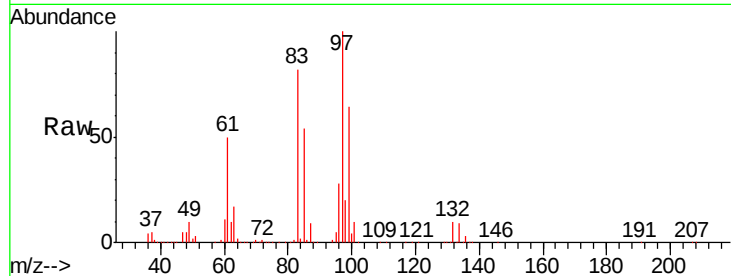
#55
 1,1,2-Trichloroethane
 Concen: 106.34 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.7	104.5
85	53.5	44.5	66.7
99	63.9	50.7	76.1

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 3:00:16 PM

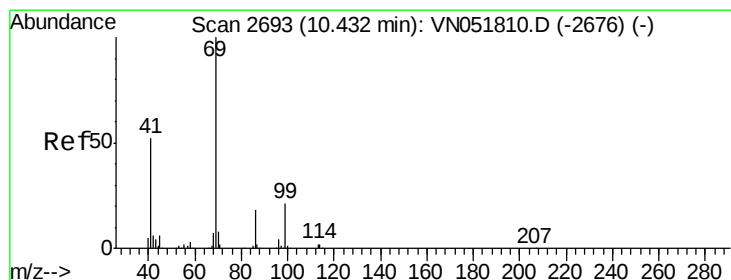
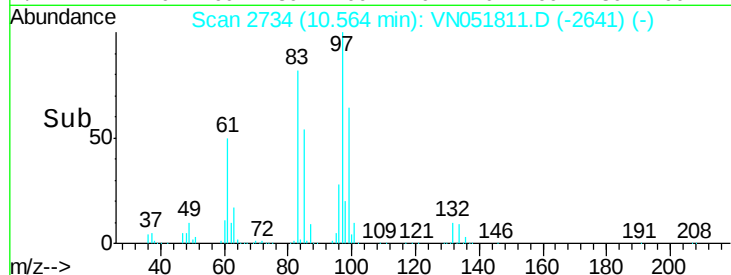
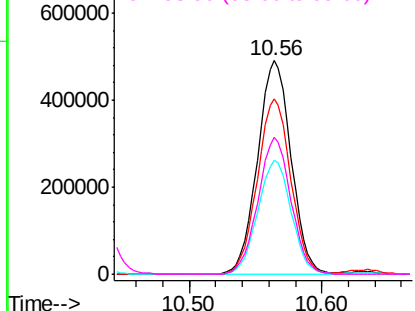


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

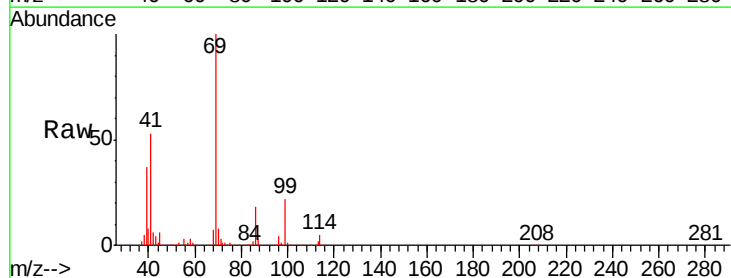
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 114.61 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

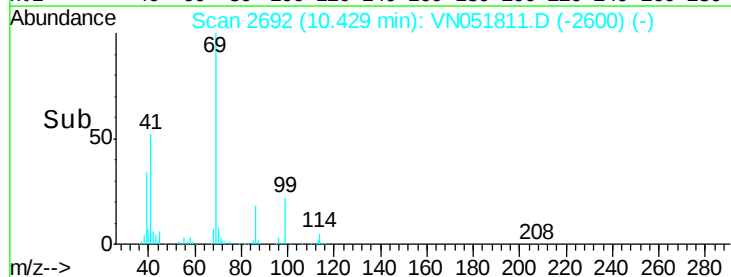
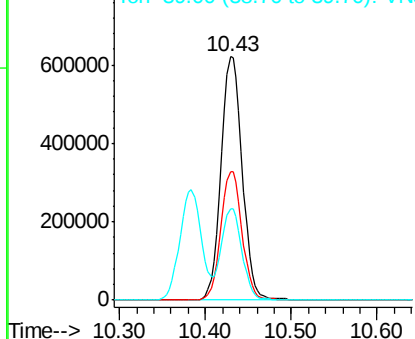
Tgt Ion	Ratio	Lower	Upper
69	100		
41	52.3	48.3	72.5
39	37.4	24.0	36.0#

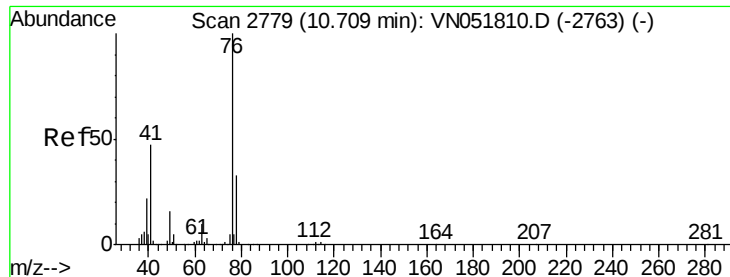


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





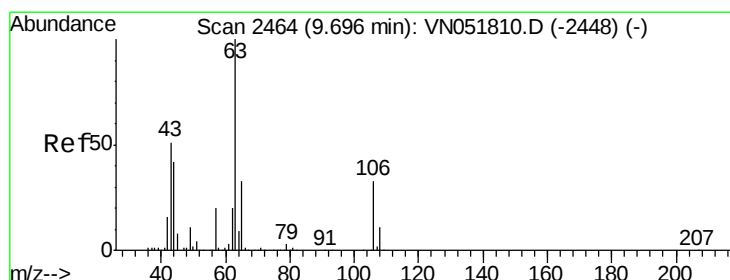
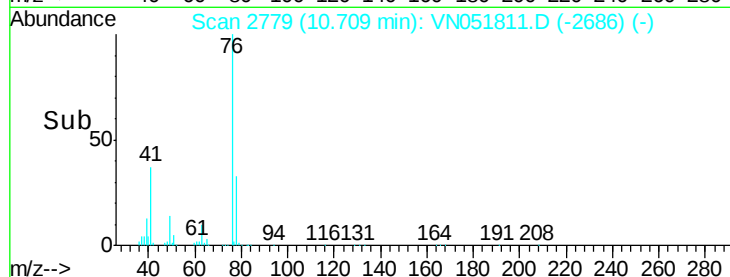
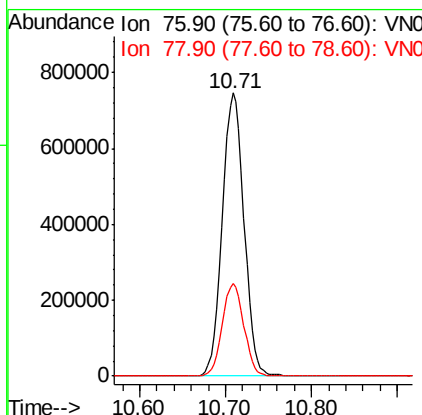
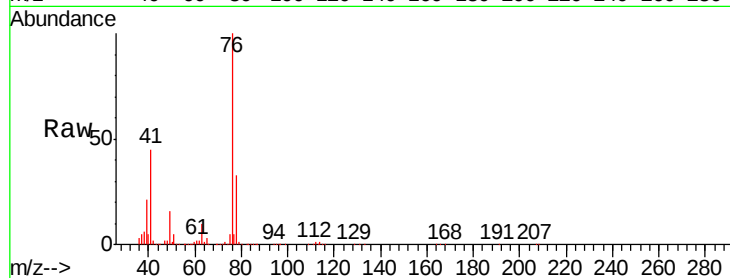
#57
 1,3-Dichloropropane
 Concen: 102.76 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 76 Resp: 1312194
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

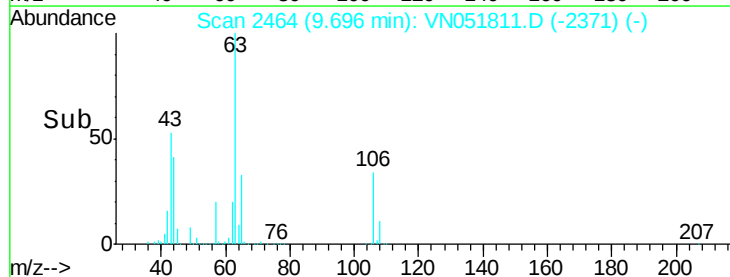
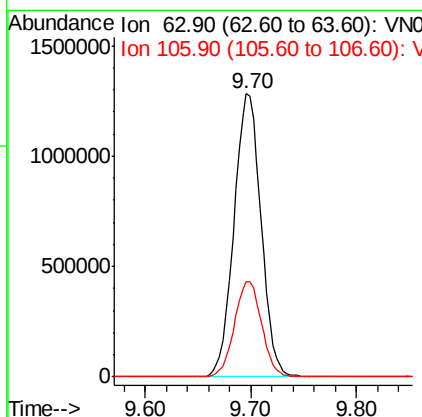
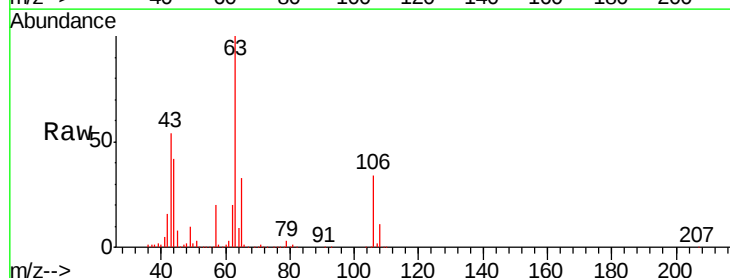
Manual Integrations
 APPROVED

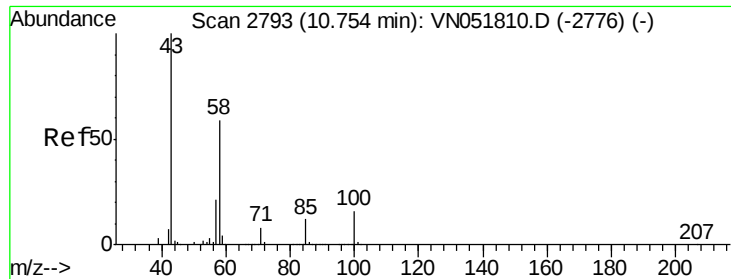
MMDadoda
 10/15/2018 3:00:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 558.70 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion: 63 Resp: 2276386
 Ion Ratio Lower Upper
 63 100
 106 33.9 21.9 32.9#





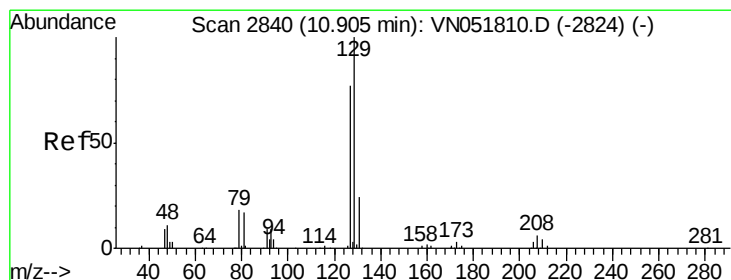
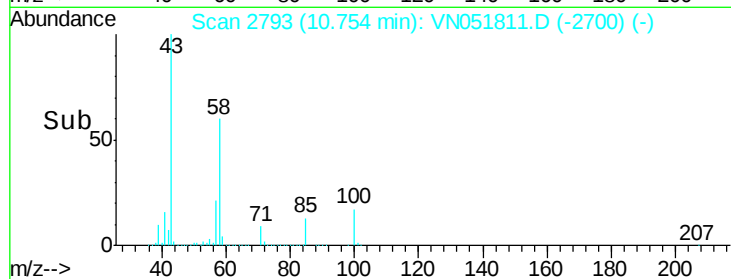
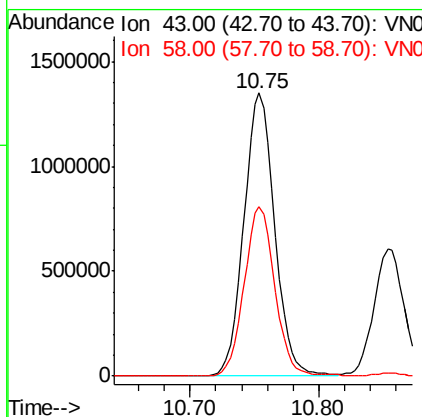
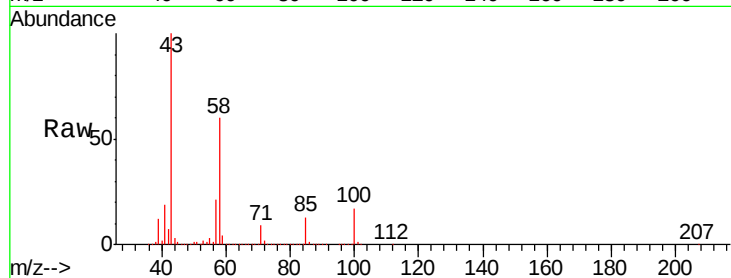
#59
2-Hexanone
Concen: 539.16 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 2242763
Ion Ratio Lower Upper
43 100
58 59.8 28.3 85.0

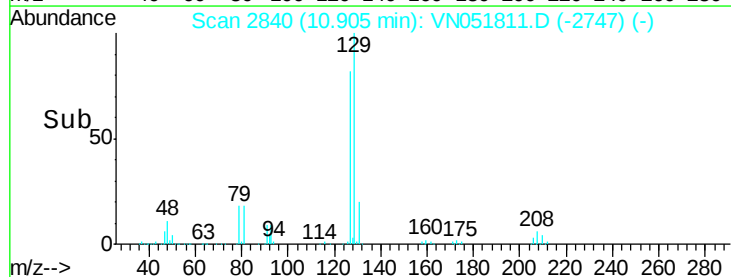
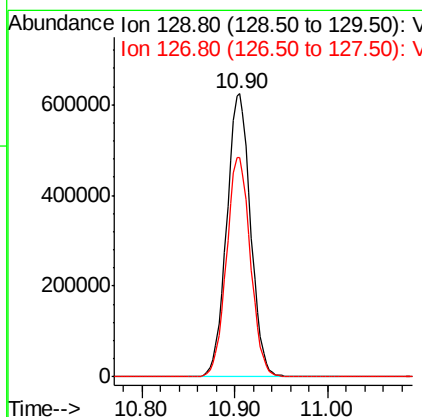
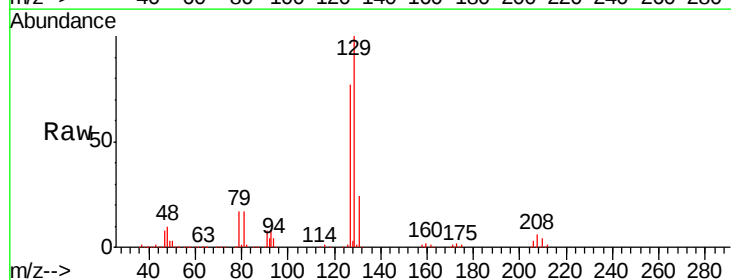
Manual Integrations
APPROVED

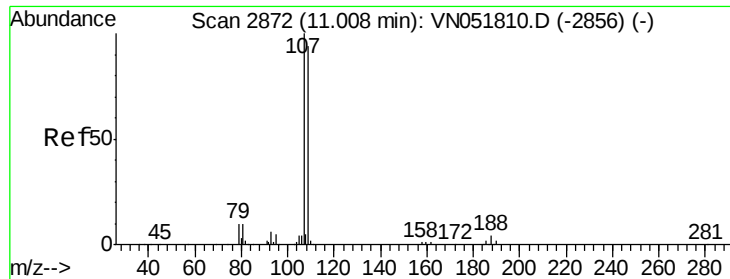
MMDadoda
10/15/2018 3:00:16 PM



#60
Dibromochloromethane
Concen: 121.75 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 129 Resp: 1111172
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9





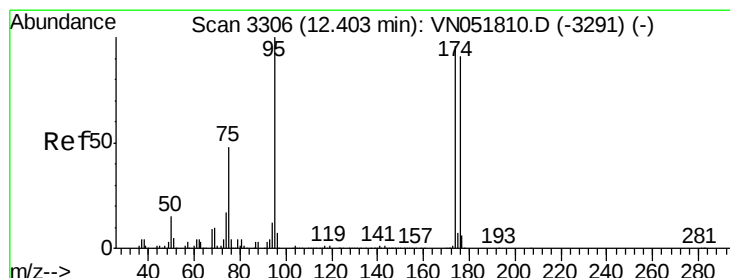
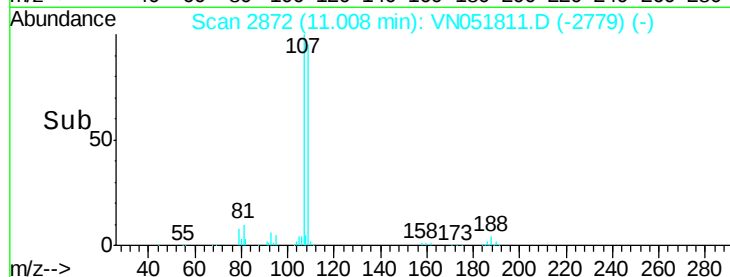
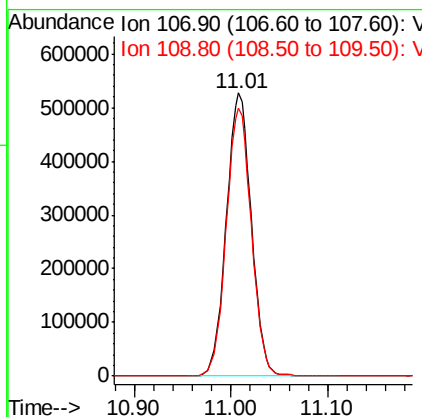
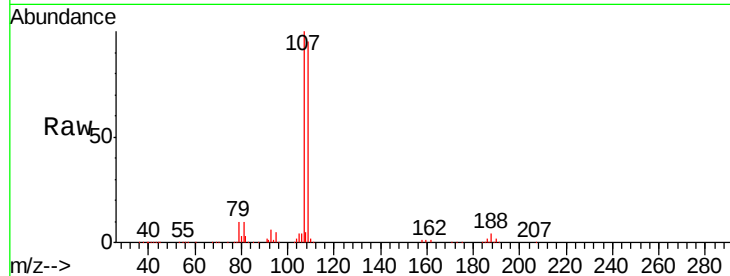
#61
 1,2-Dibromoethane
 Concen: 117.42 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 946904
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.2

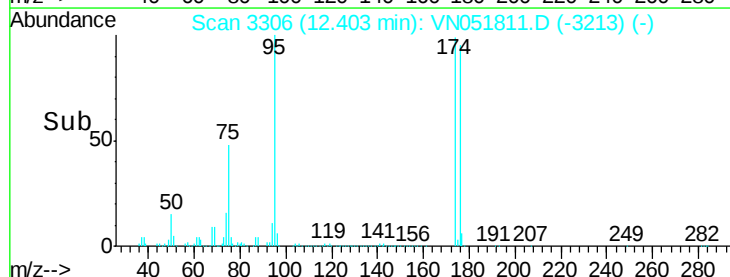
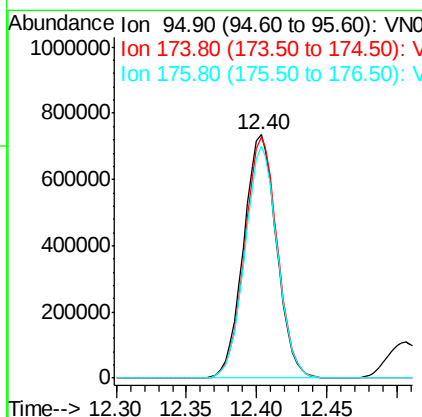
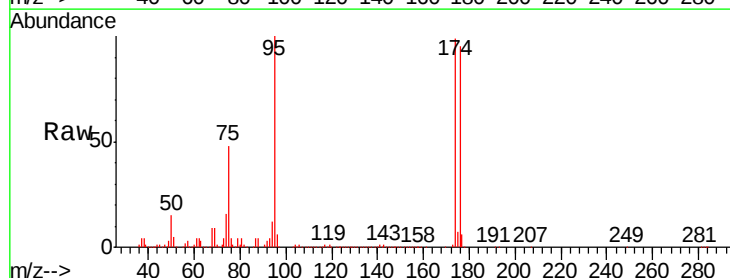
Manual Integrations
 APPROVED

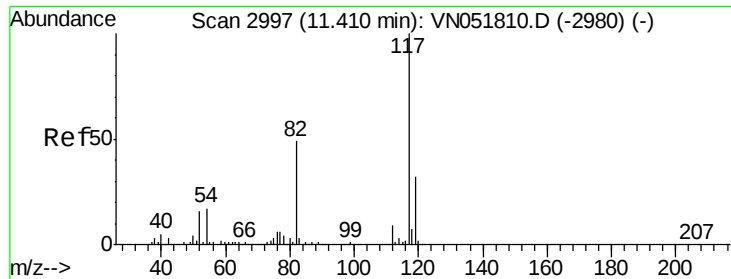
MMDadoda
 10/15/2018 3:00:16 PM



#62
 4-Bromofluorobenzene
 Concen: 117.42 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion: 95 Resp: 1205458
 Ion Ratio Lower Upper
 95 100
 174 98.0 0.0 183.0
 176 93.9 0.0 178.8





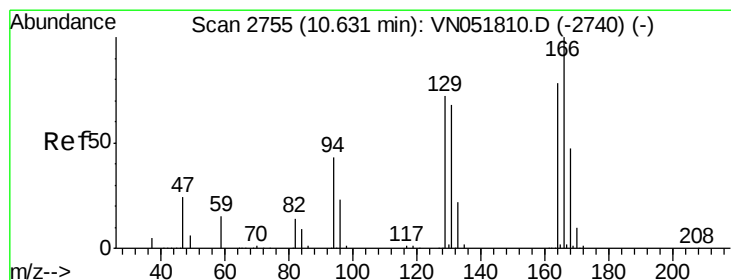
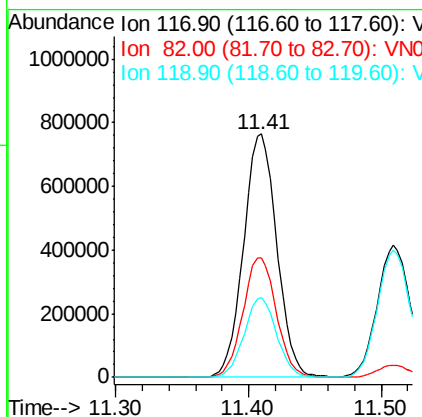
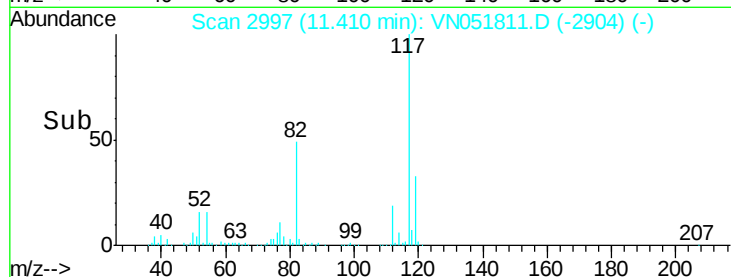
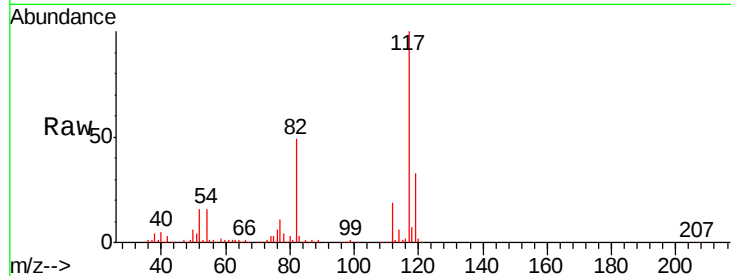
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 1333524
Ion Ratio Lower Upper
117 100
82 49.3 42.6 64.0
119 32.6 25.8 38.6

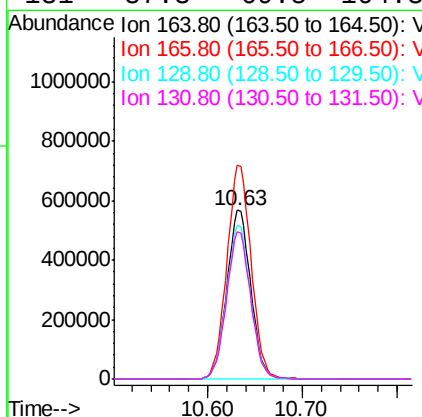
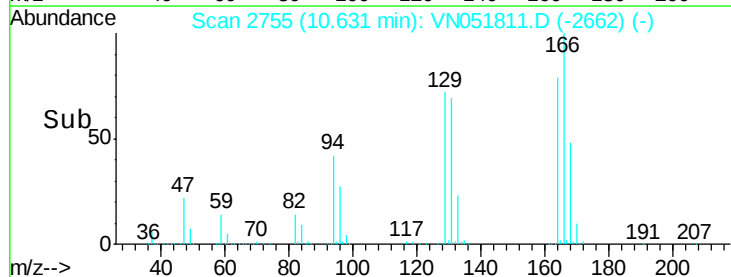
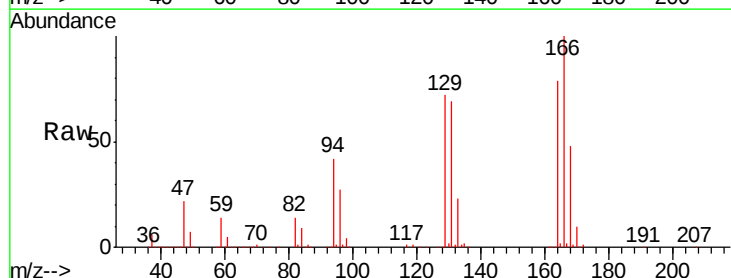
Manual Integrations
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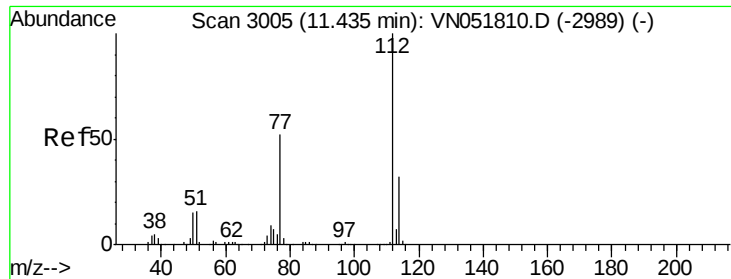
MMDadoda
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#64
Tetrachloroethene
Concen: 96.09 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion:164 Resp: 997628
Ion Ratio Lower Upper
164 100
166 126.6 103.5 155.3
129 91.4 72.7 109.1
131 87.3 69.5 104.3





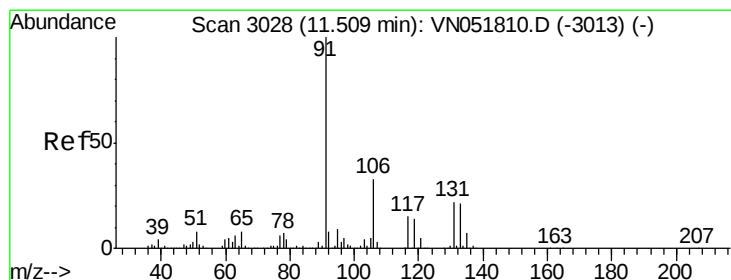
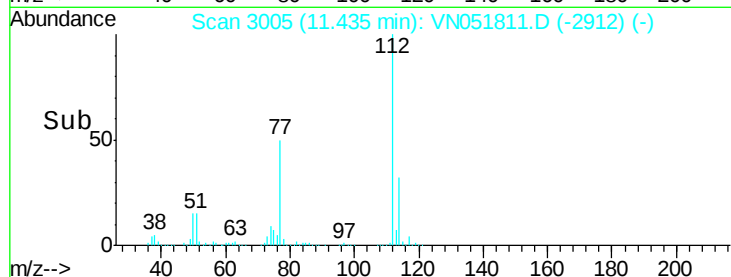
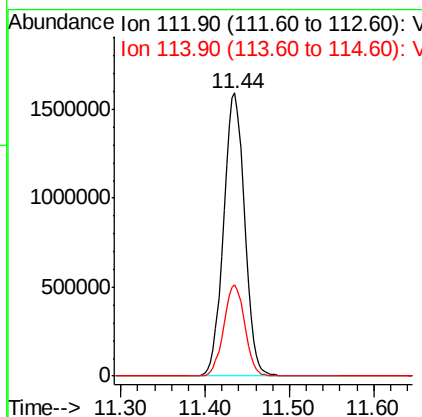
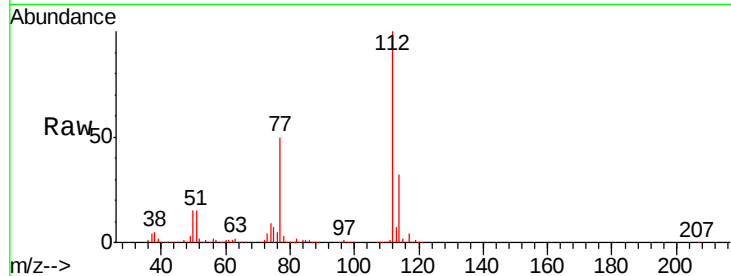
#65
Chlorobenzene
Concen: 102.99 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 2749796
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

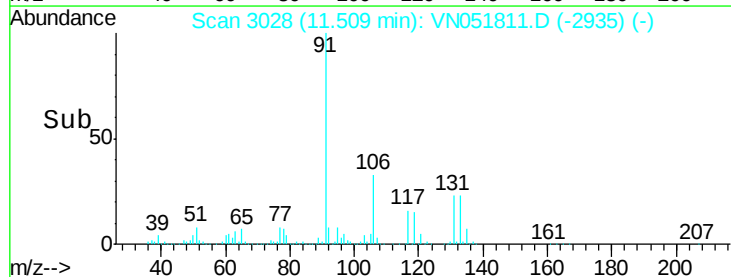
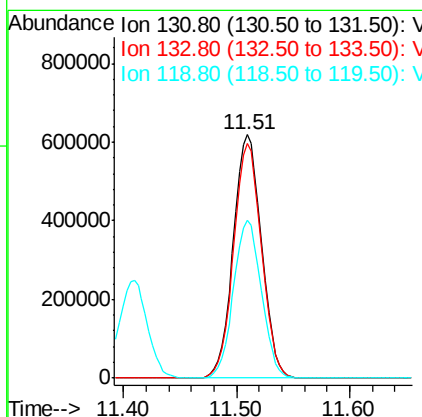
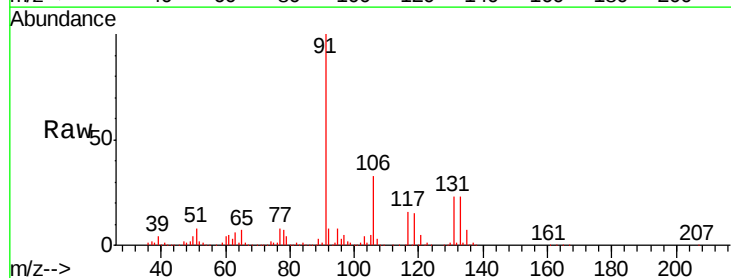
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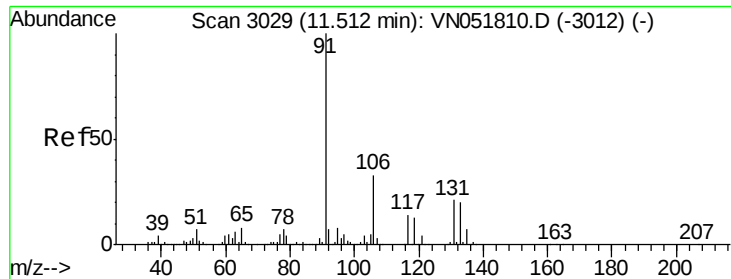
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 106.73 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion:131 Resp: 1073471
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 64.4 32.8 98.4





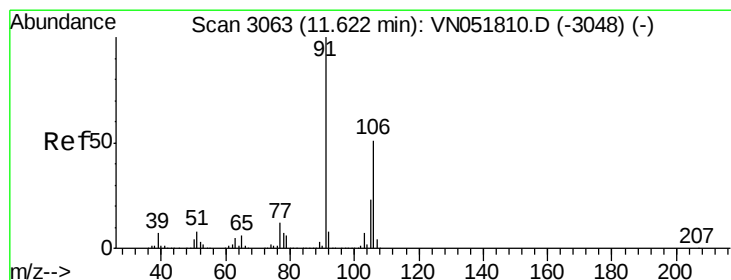
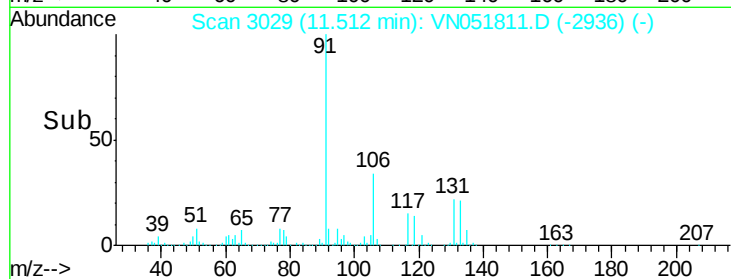
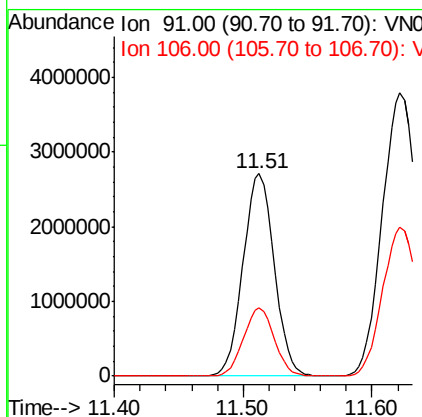
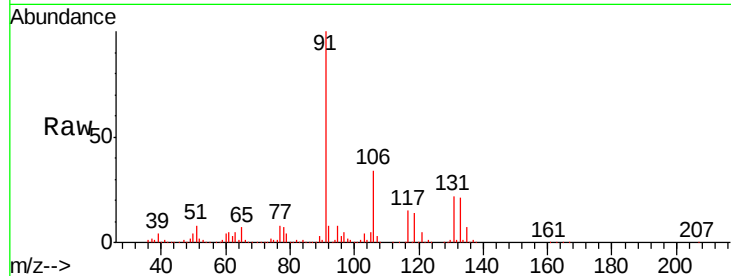
#67
Ethyl Benzene
Concen: 103.56 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 4575337
Ion Ratio Lower Upper
91 100
106 33.5 25.0 37.4

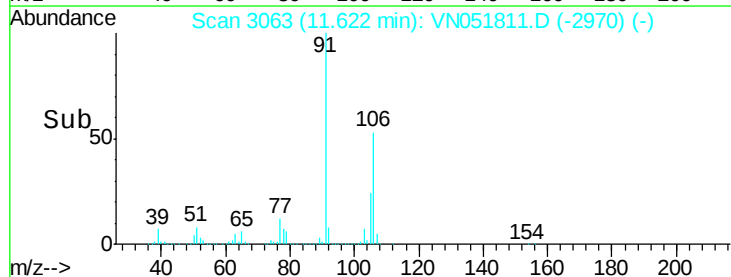
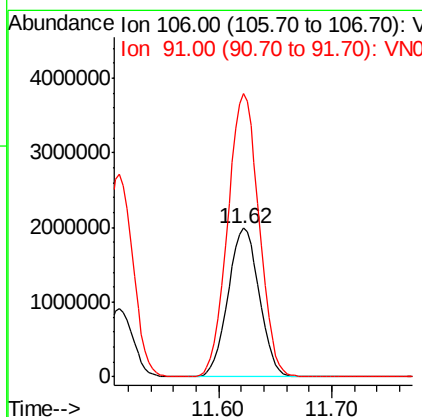
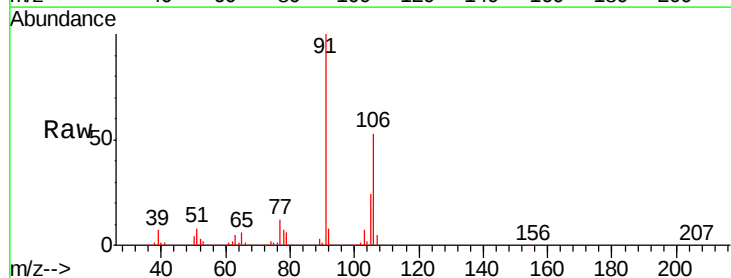
Manual Integrations
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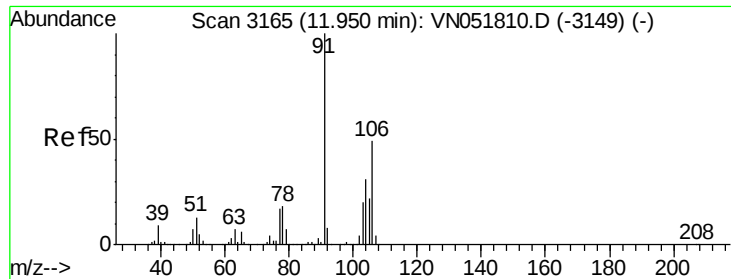
MMDadoda
10/15/2018 3:00:16 PM



#68
m/p-Xylenes
Concen: 217.52 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 106 Resp: 3821995
Ion Ratio Lower Upper
106 100
91 191.1 161.0 241.6





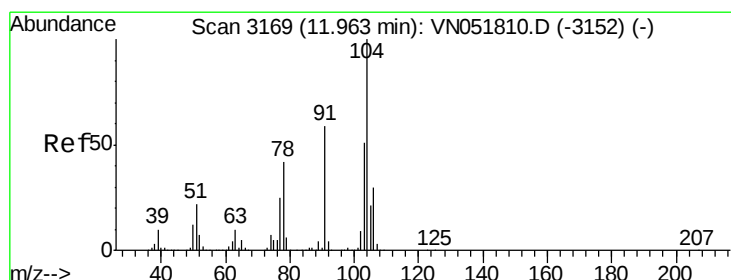
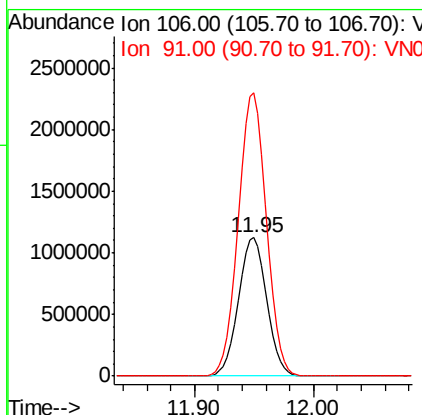
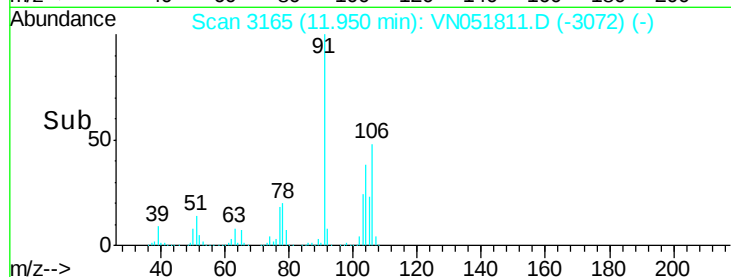
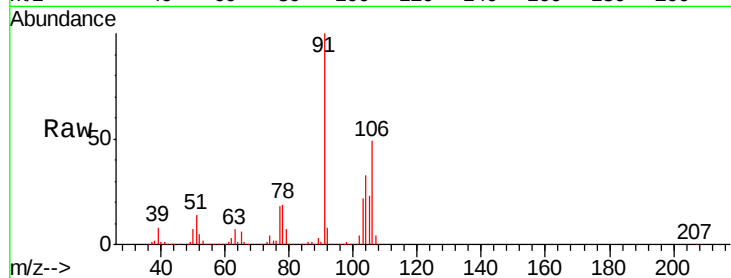
#69
o-Xylene
Concen: 108.91 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1855458
Ion Ratio Lower Upper
106 100
91 202.7 106.5 319.5

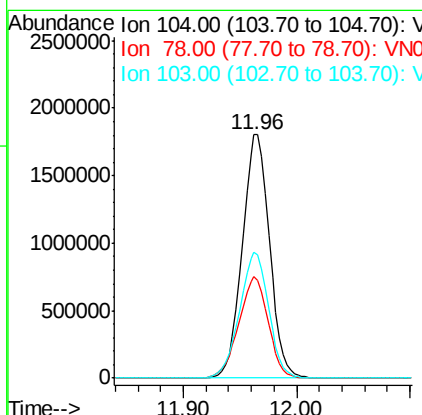
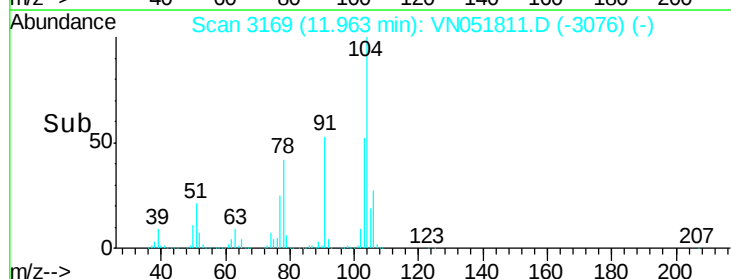
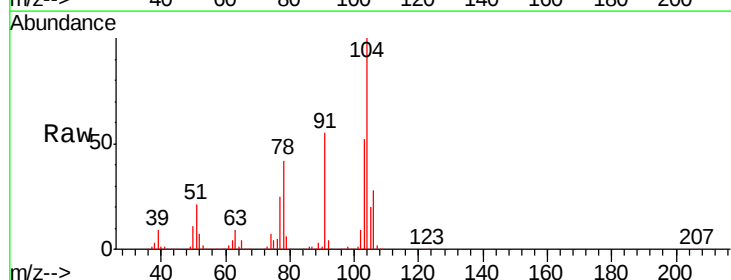
Manual Integrations
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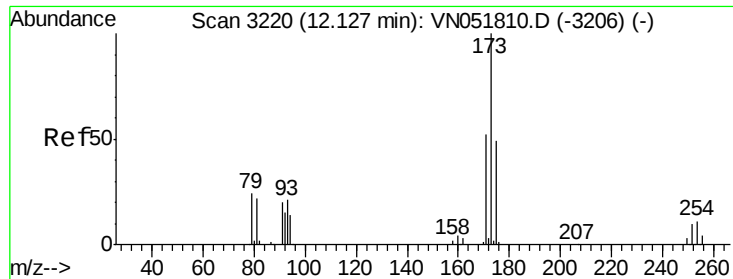
MMDadoda
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#70
Styrene
Concen: 119.26 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion:104 Resp: 3027001
Ion Ratio Lower Upper
104 100
78 45.0 38.2 57.4
103 55.1 44.4 66.6





#71

Bromoform

Concen: 128.58 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:173 Resp: 830886

Ion Ratio Lower Upper

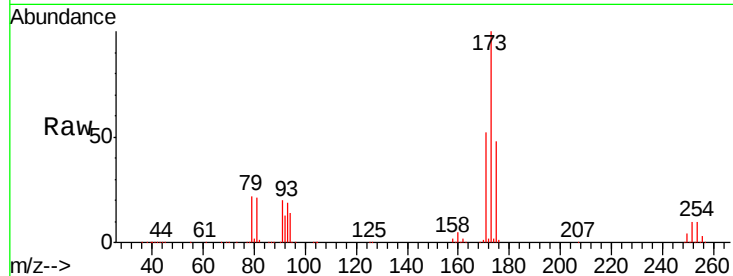
173 100

175 48.3 24.4 73.4

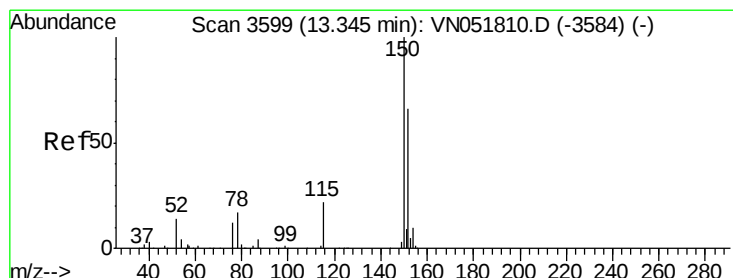
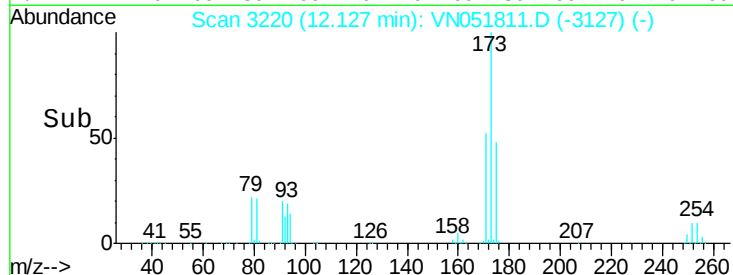
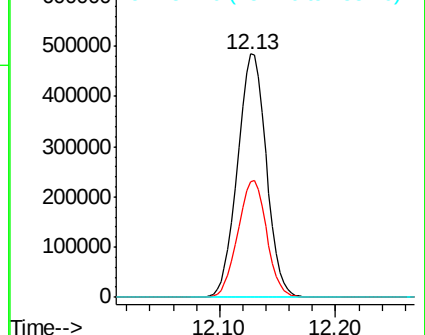
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

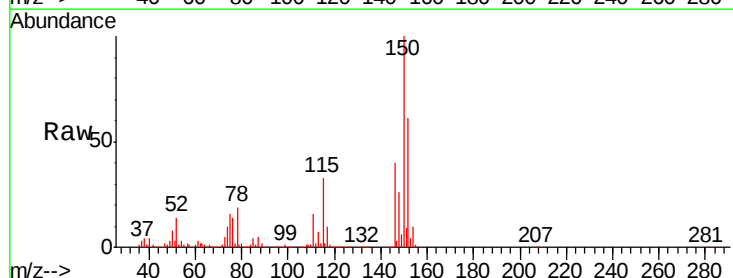
Tgt Ion:152 Resp: 729730

Ion Ratio Lower Upper

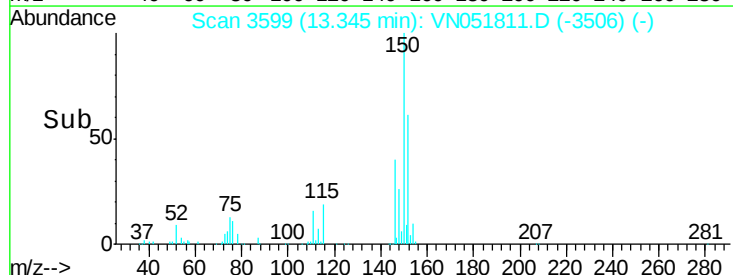
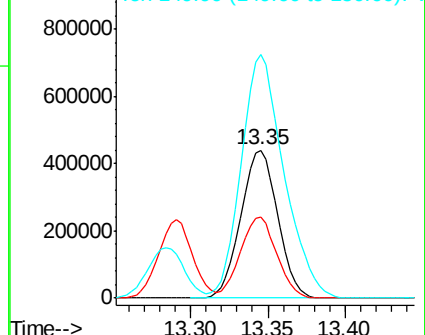
152 100

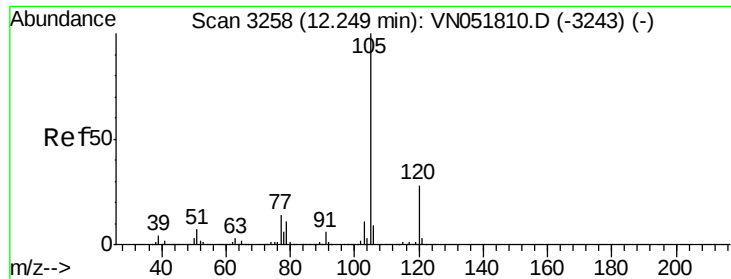
115 53.9 27.8 83.4

150 190.7 0.0 351.4



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





#73

Isopropylbenzene

Concen: 83.18 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 4971726

Ion Ratio Lower Upper

105 100

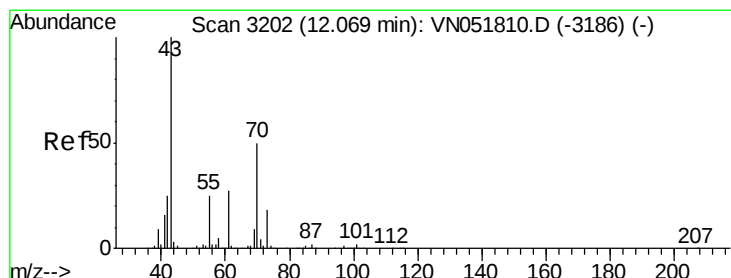
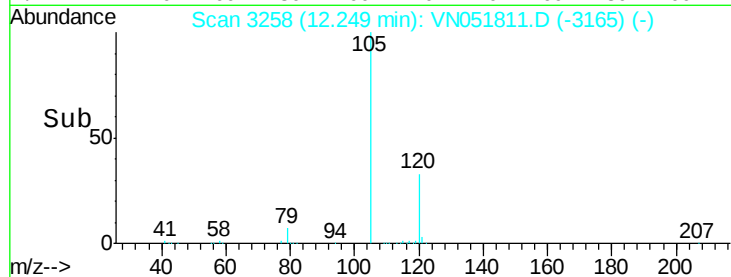
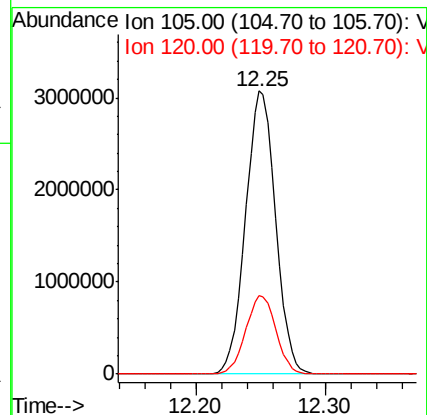
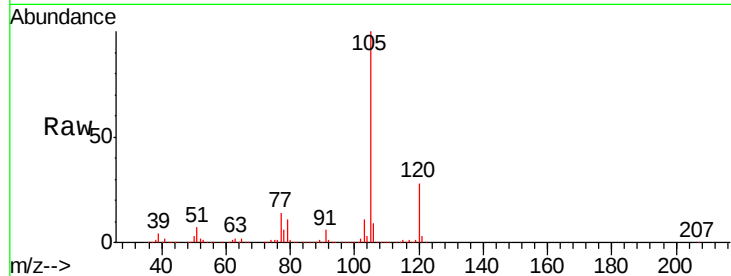
120 27.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 96.38 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Tgt Ion: 43 Resp: 1090458

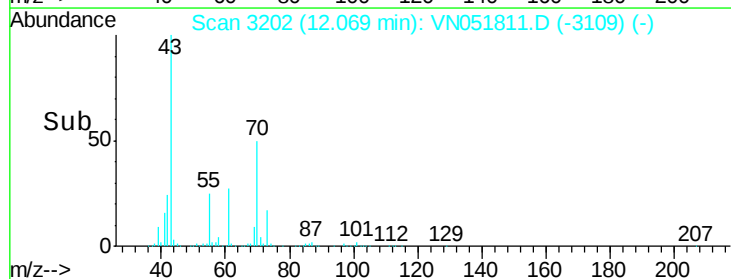
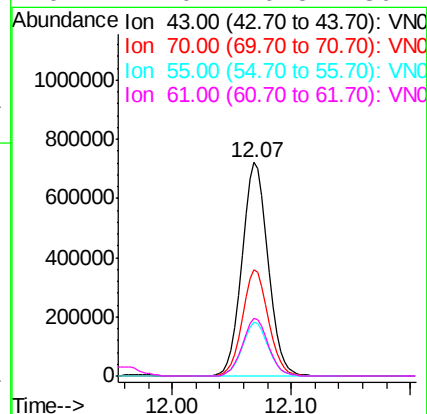
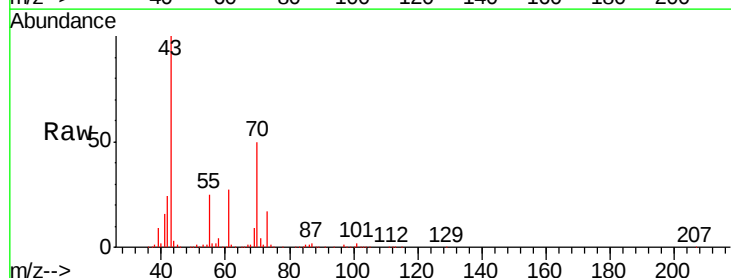
Ion Ratio Lower Upper

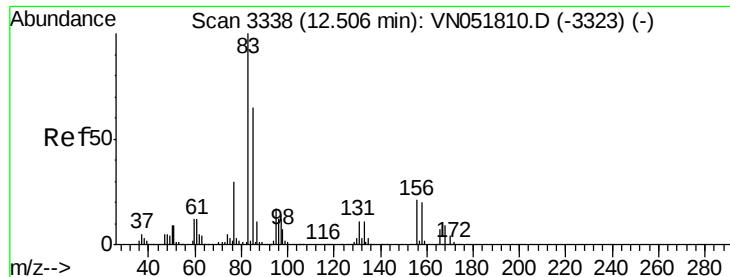
43 100

70 49.7 36.2 54.2

55 25.3 21.8 32.8

61 27.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 83.94 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1100927

Ion Ratio Lower Upper

83 100

131 12.3 5.3 15.9

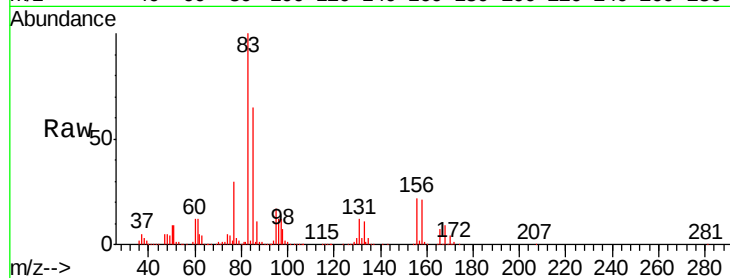
85 65.1 31.9 95.7

Manual Integrations

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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.51

600000

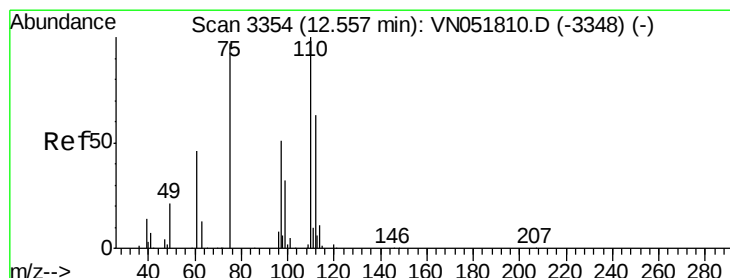
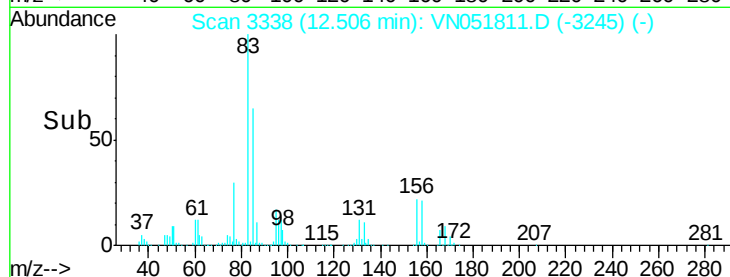
400000

200000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 70.96 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051811.D

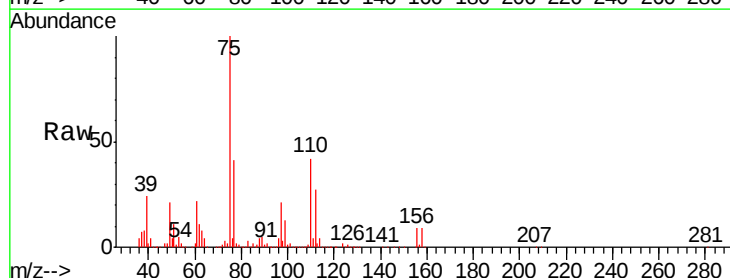
Acq: 11 Oct 2018 12:22

Tgt Ion: 75 Resp: 852584

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

1000000

800000

600000

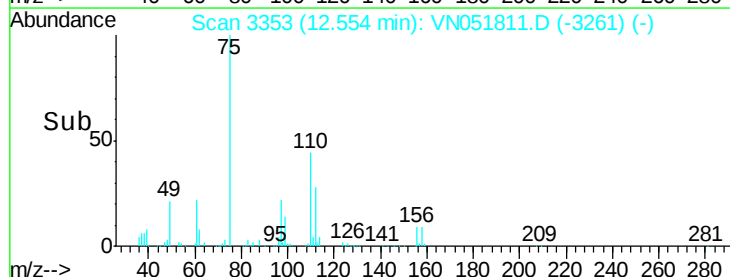
400000

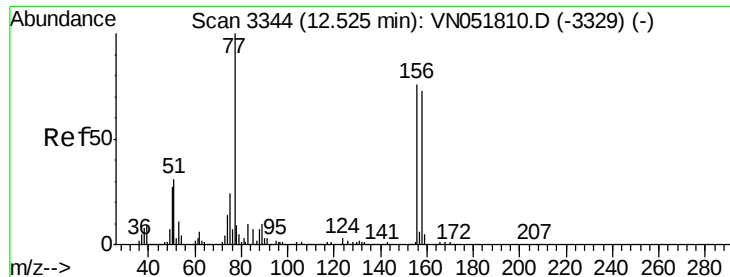
200000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 91.30 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 1318344

Ion Ratio Lower Upper

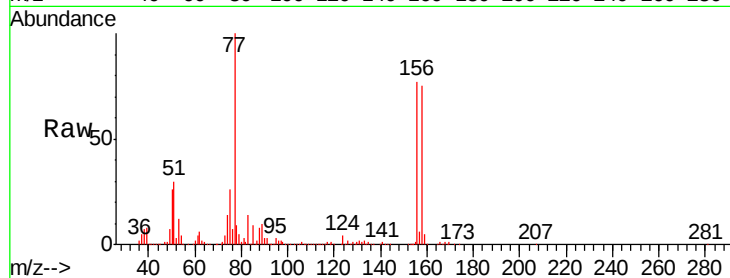
156 100

77 150.7 89.9 269.7

158 97.2 49.3 147.9

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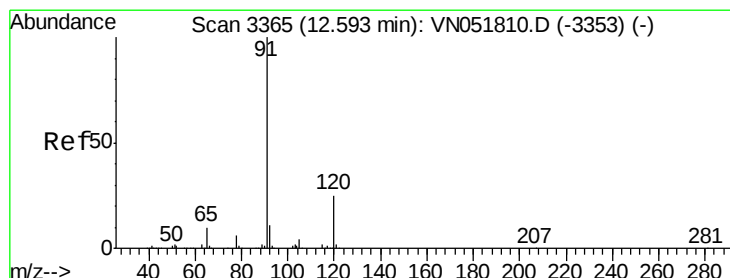
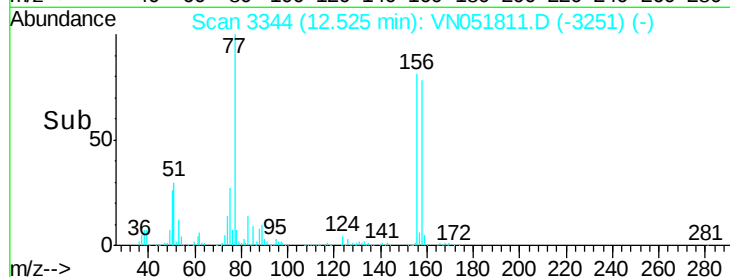
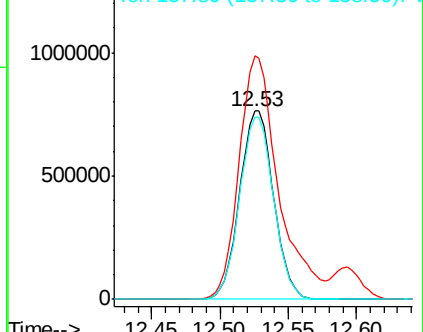
MMDadoda
10/15/2018 3:00:16 PM



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: 88.92 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051811.D

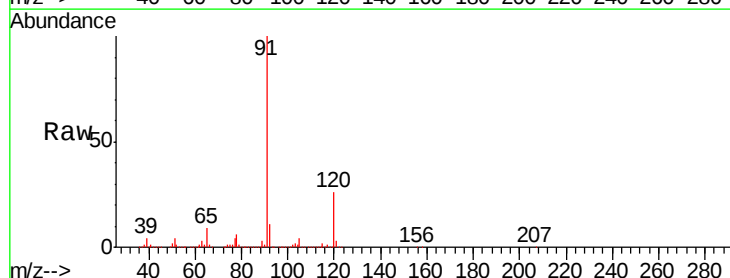
Acq: 11 Oct 2018 12:22

Tgt Ion: 91 Resp: 5463097

Ion Ratio Lower Upper

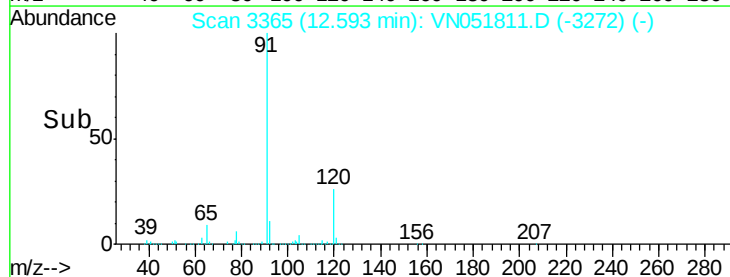
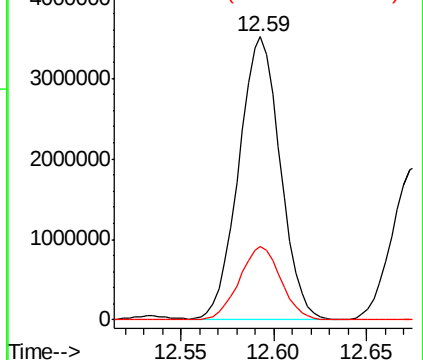
91 100

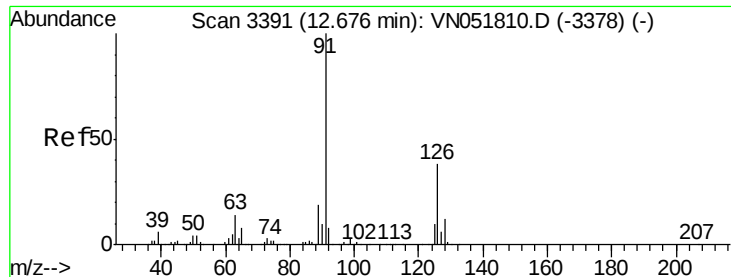
120 25.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 83.81 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 3155369

Ion Ratio Lower Upper

91 100

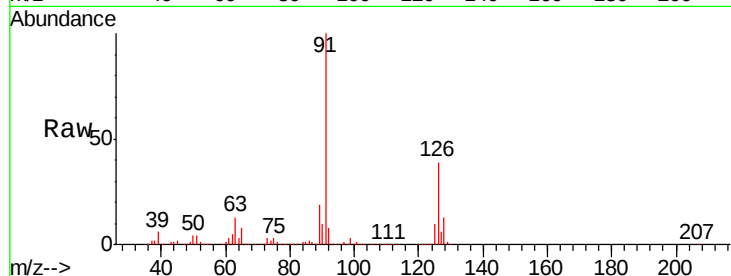
126 38.6 17.8 53.3

Manual Integrations

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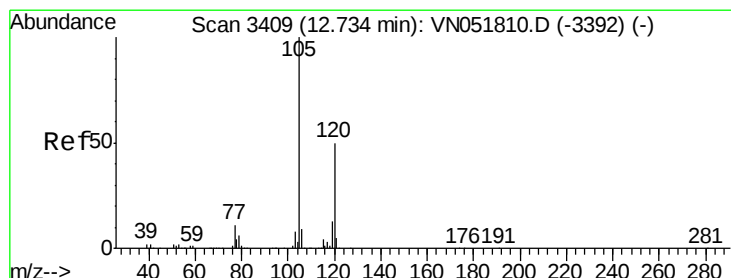
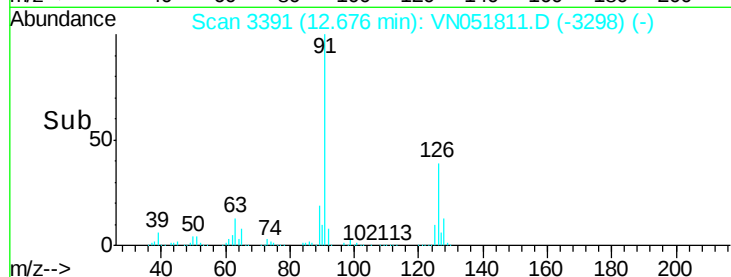
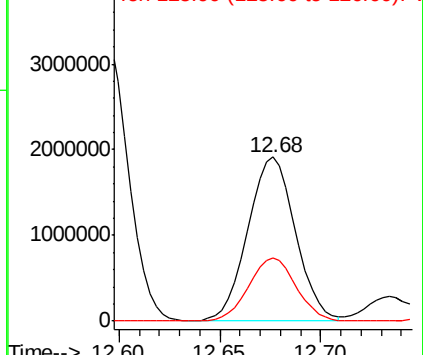
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN051811.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN051811.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 88.32 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN051811.D

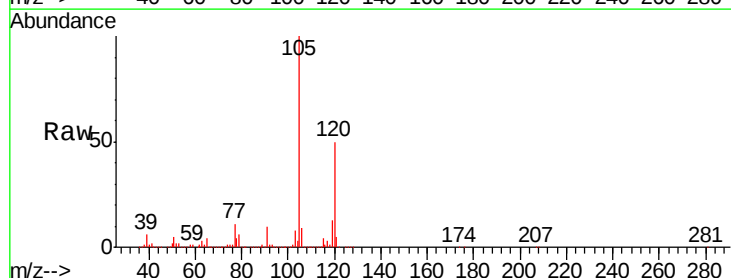
Acq: 11 Oct 2018 12:22

Tgt Ion: 105 Resp: 4230027

Ion Ratio Lower Upper

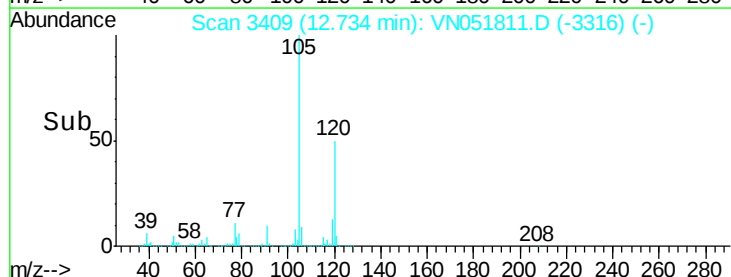
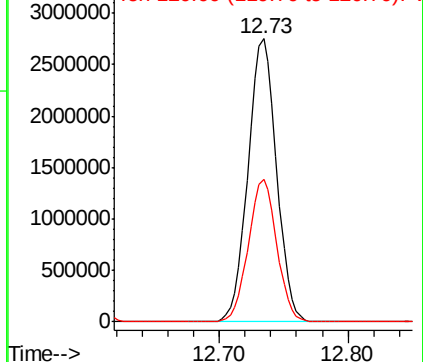
105 100

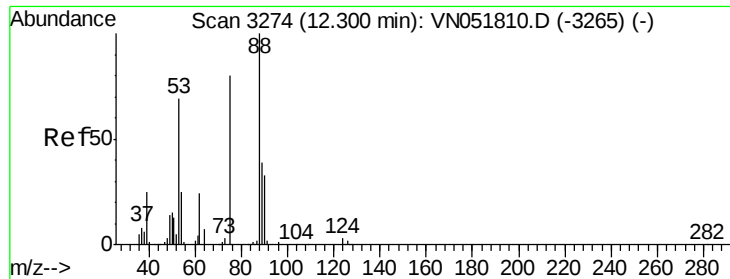
120 50.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051811.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN051811.D (-3316) (-)





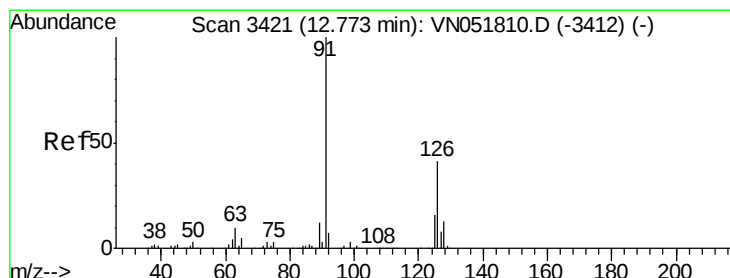
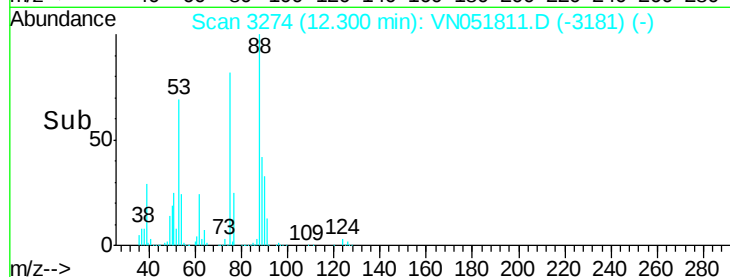
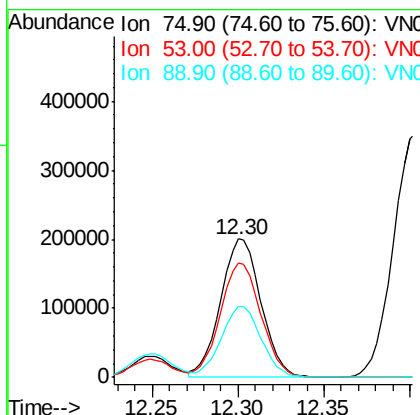
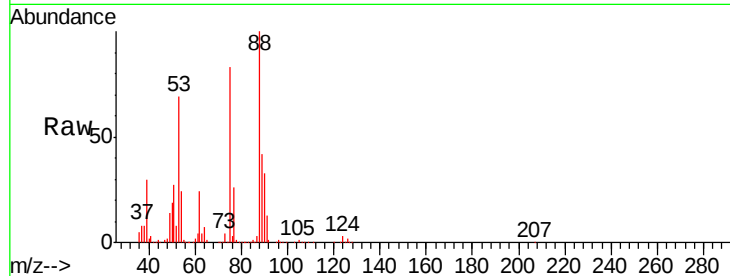
#81
trans-1,4-Dichloro-2-butene
Concen: 106.02 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
53	83.0	68.9	103.3
89	50.6	36.1	54.1

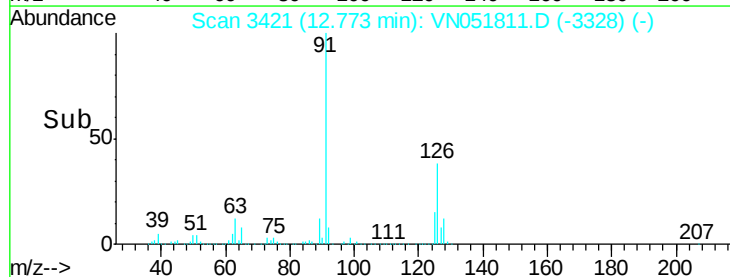
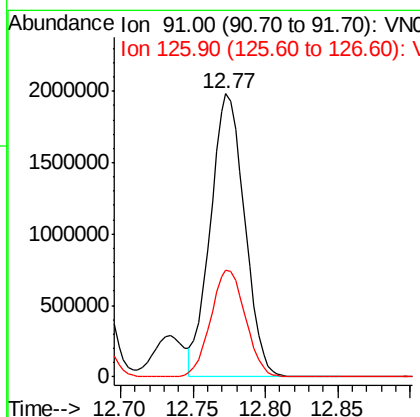
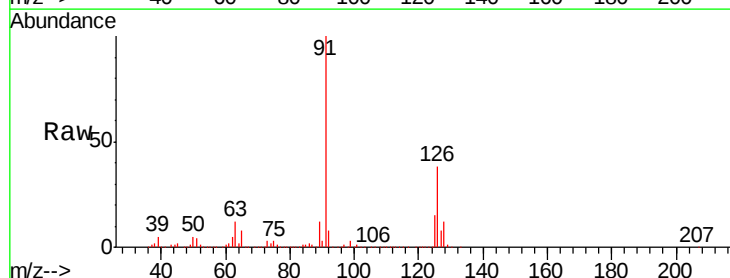
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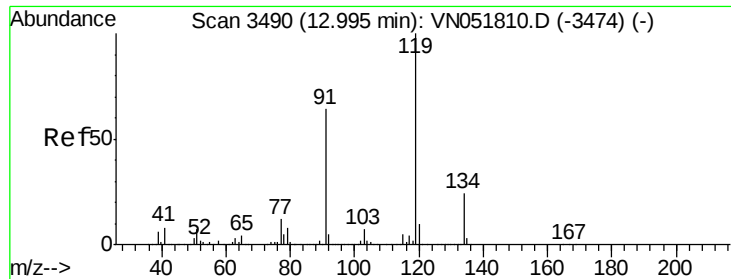
MMDadoda
10/15/2018 3:00:16 PM



#82
4-Chlorotoluene
Concen: 92.51 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.3	17.5	52.5





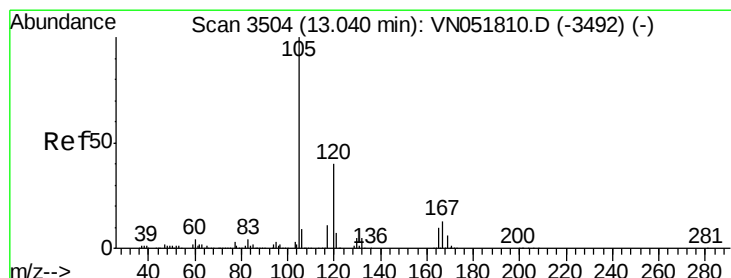
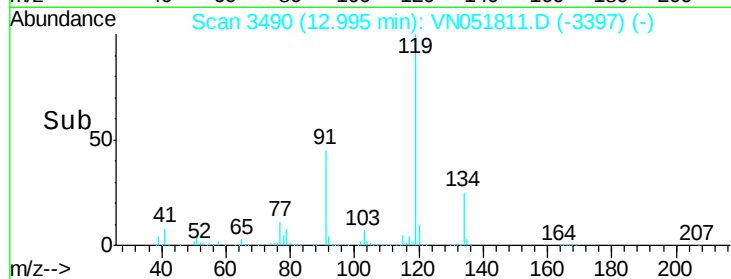
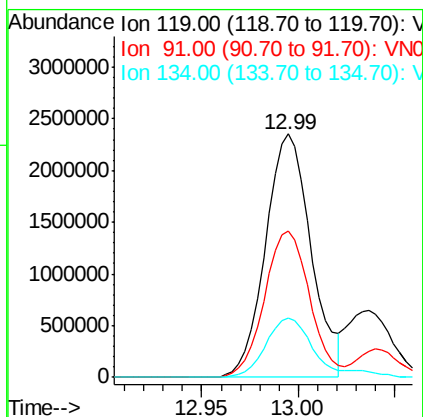
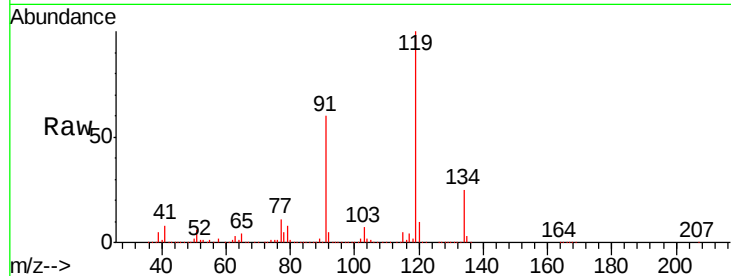
#83
 tert-Butylbenzene
 Concen: 86.09 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 3854248
 Ion Ratio Lower Upper
 119 100
 91 59.7 31.6 94.7
 134 26.4 13.4 40.1

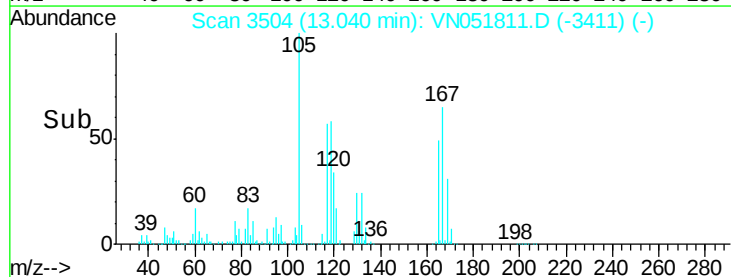
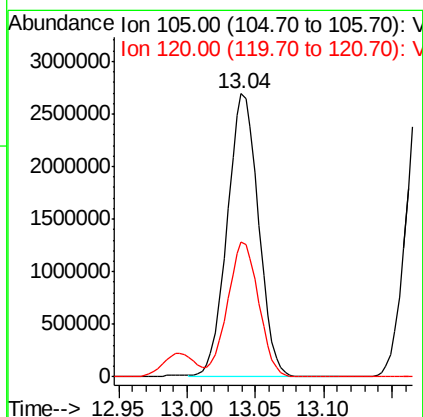
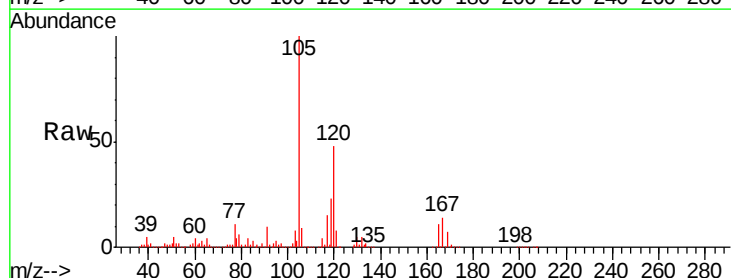
Manual Integrations
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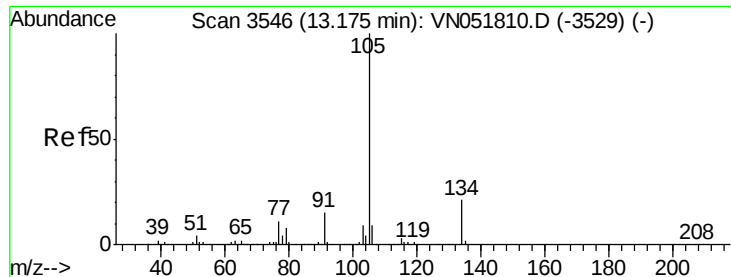
MMDadoda
 10/15/2018 3:00:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 90.62 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion:105 Resp: 4282652
 Ion Ratio Lower Upper
 105 100
 120 47.7 22.9 68.8





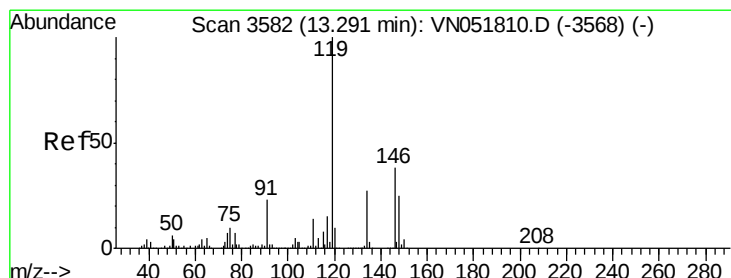
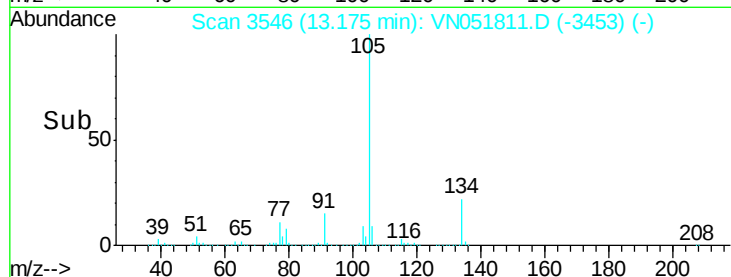
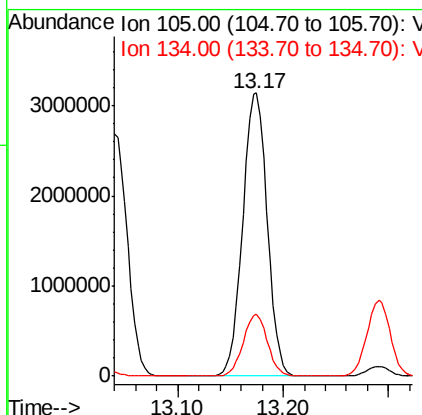
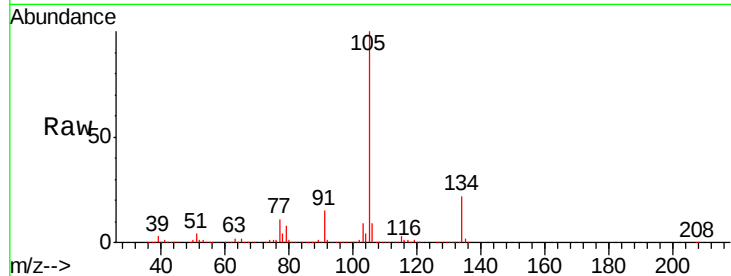
#85
 sec-Butylbenzene
 Concen: 87.64 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 5048822
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.3 30.8

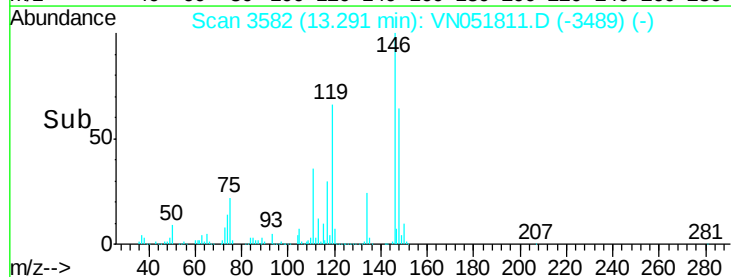
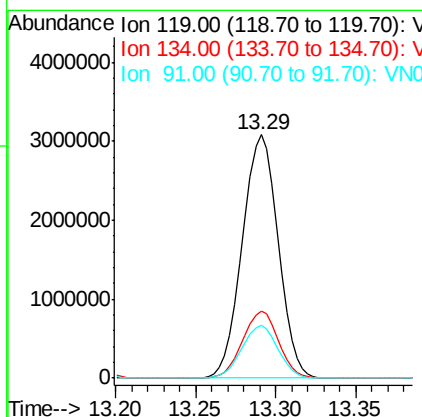
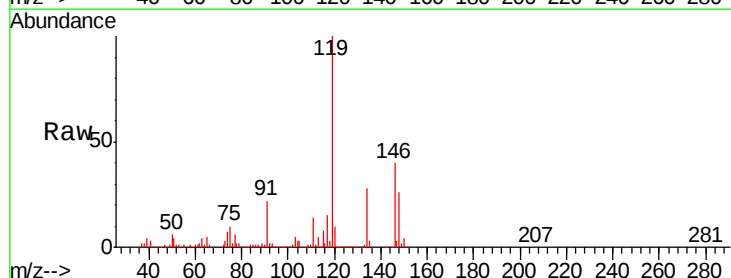
Manual Integrations
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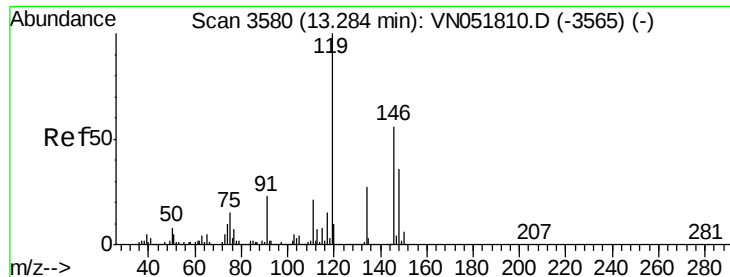
MMDadoda
 10/15/2018 3:00:16 PM



#86
 p-Isopropyltoluene
 Concen: 95.14 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion:119 Resp: 4697590
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.7 41.0
 91 21.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 102.46 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051811.D

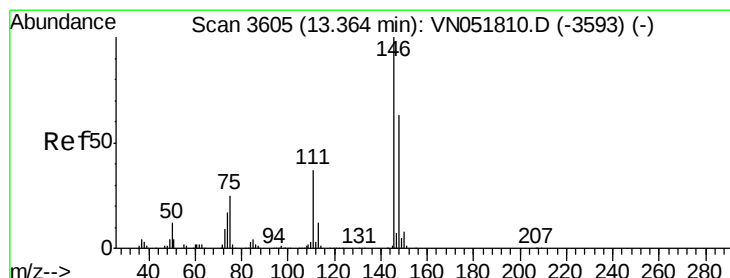
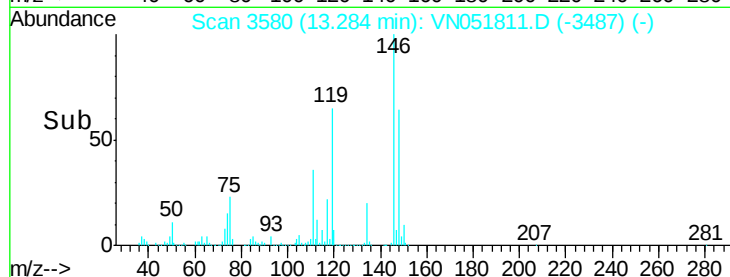
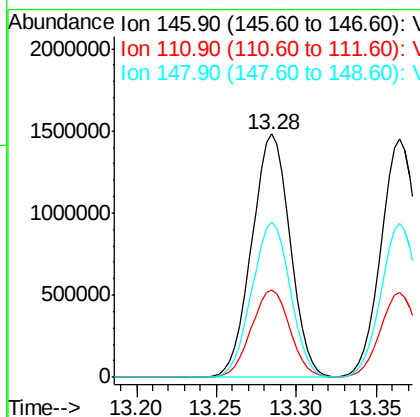
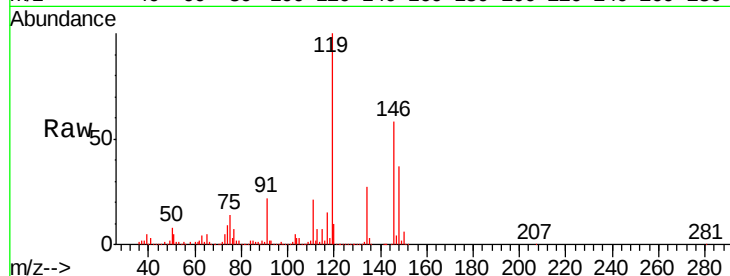
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	19.1	57.3
148	64.2	32.2	96.6

Manual Integrations
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10/15/2018 3:00:16 PM



#88

1,4-Dichlorobenzene

Concen: 103.43 ug/l

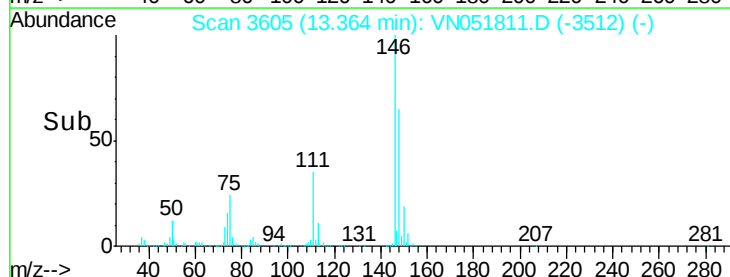
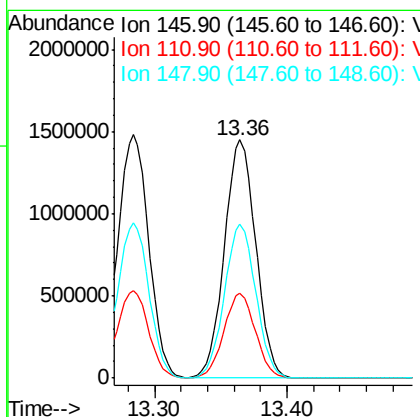
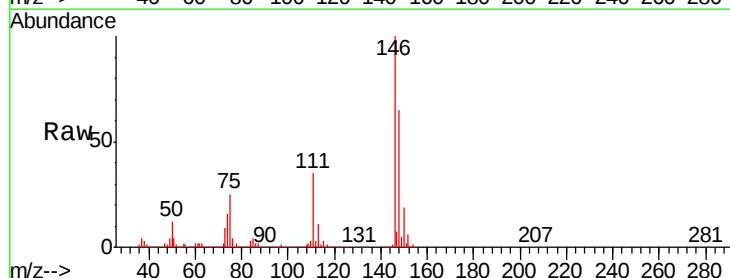
RT: 13.36 min Scan# 3605

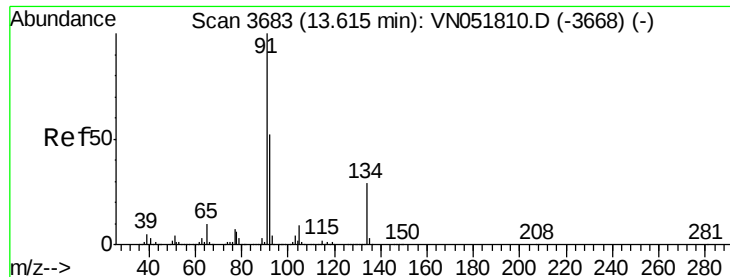
Delta R.T. -0.00 min

Lab File: VN051811.D

Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.8	56.3
148	64.5	32.2	96.6





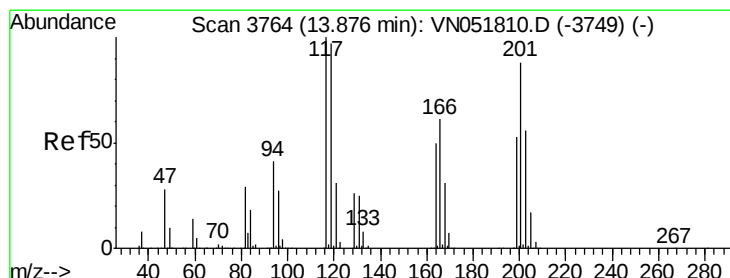
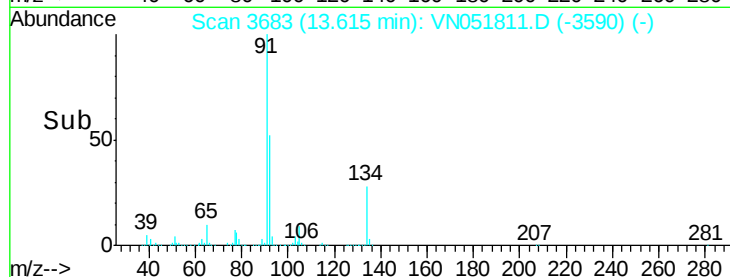
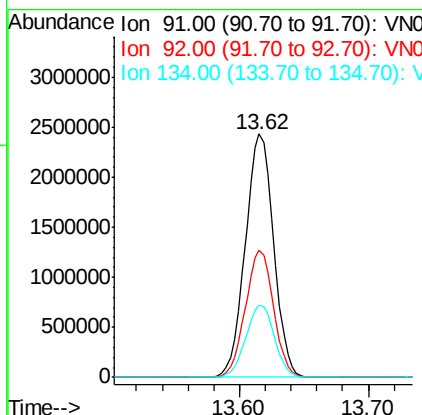
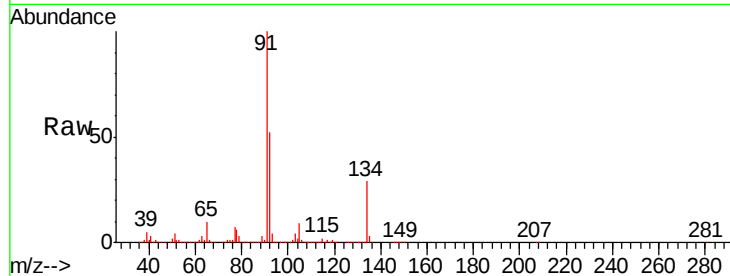
#89
n-Butylbenzene
Concen: 104.59 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 3715012
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 29.8 13.2 39.6

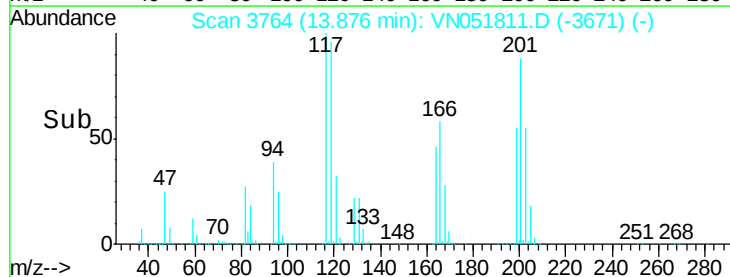
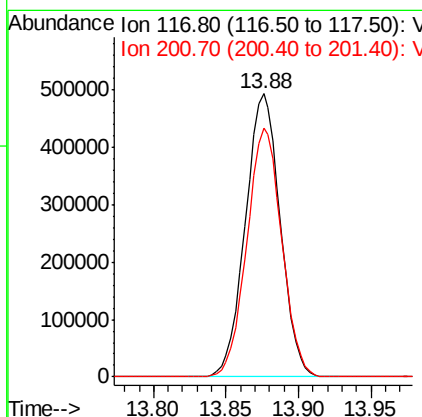
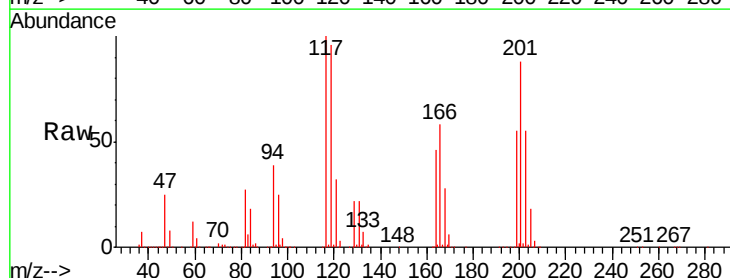
Manual Integrations
APPROVED

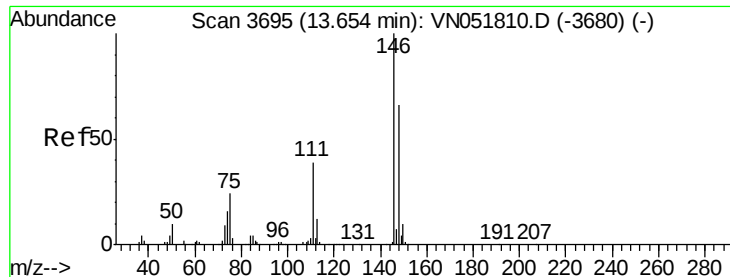
MMDadoda
10/15/2018 3:00:16 PM



#90
Hexachloroethane
Concen: 91.05 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion: 117 Resp: 824871
Ion Ratio Lower Upper
117 100
201 88.0 46.0 137.8





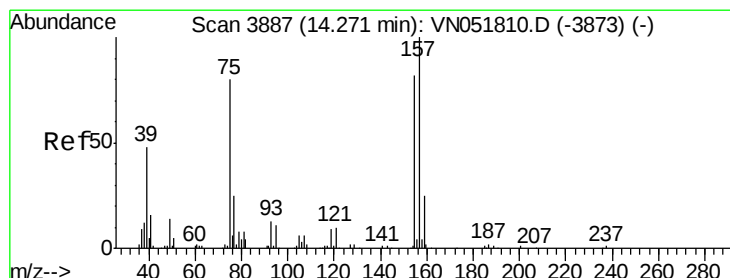
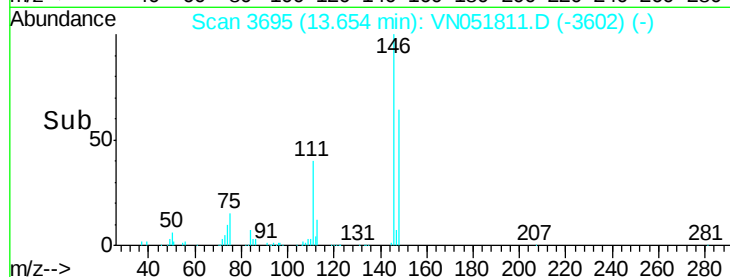
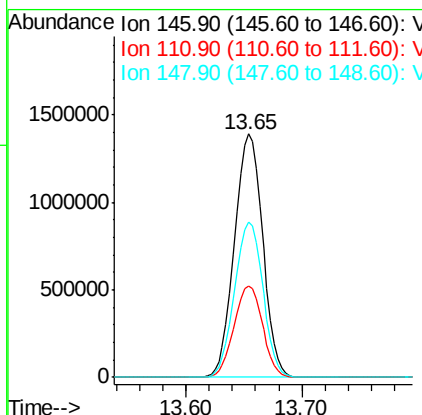
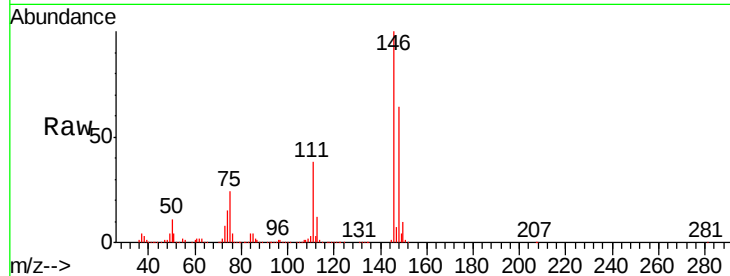
#91
 1,2-Dichlorobenzene
 Concen: 101.40 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.8	59.3
148	64.2	32.3	96.8

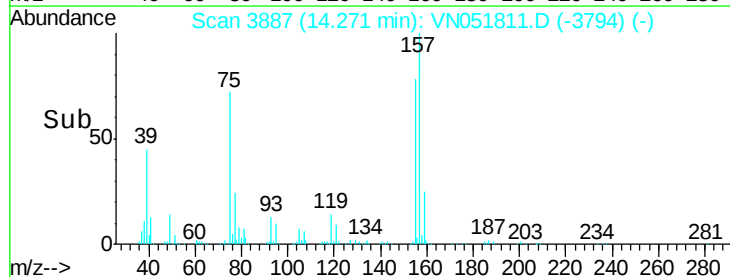
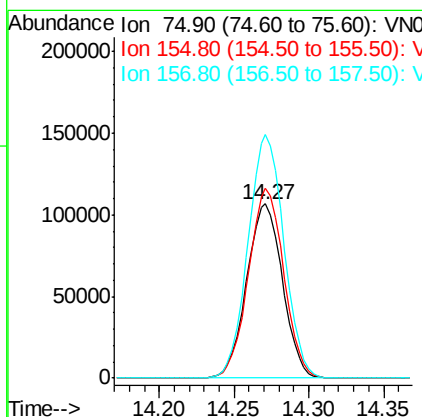
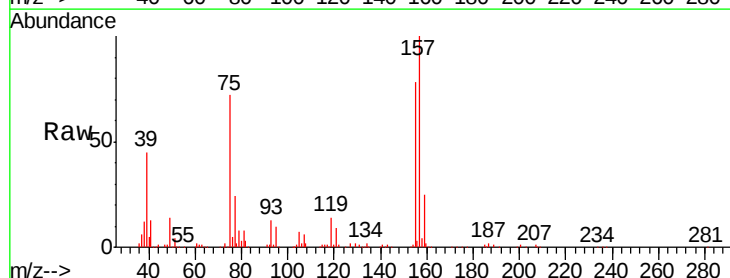
Manual Integrations
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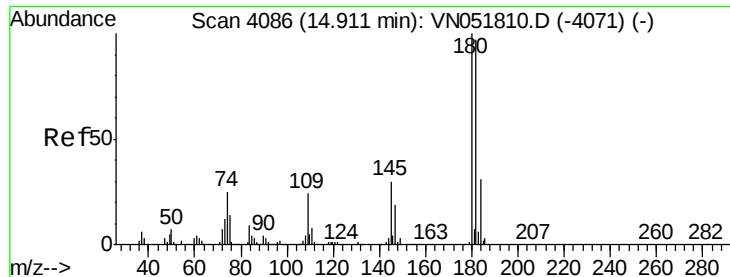
MMDadoda
 10/15/2018 3:00:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.46 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.8	46.4	139.1
157	139.7	60.7	182.0





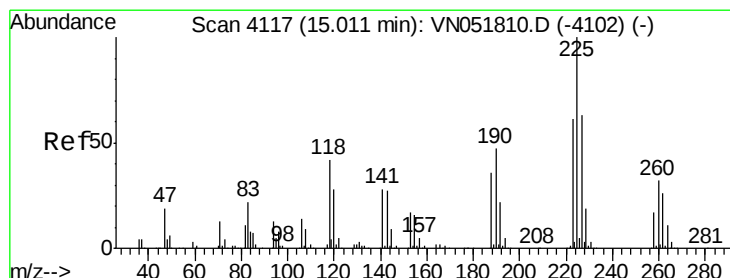
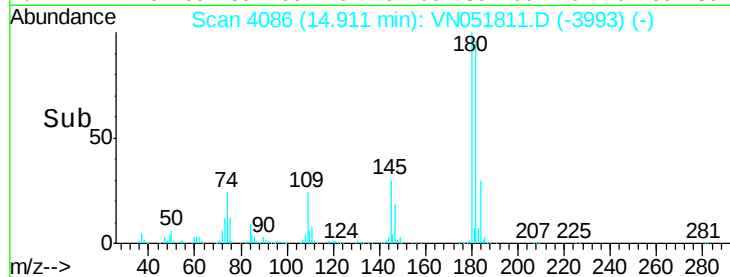
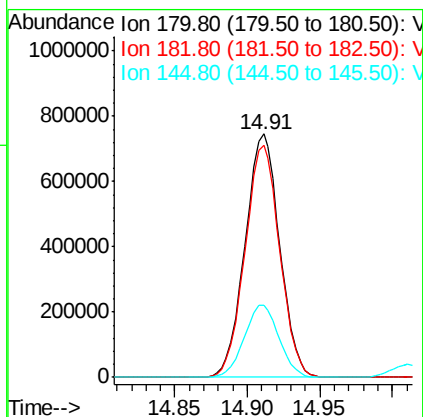
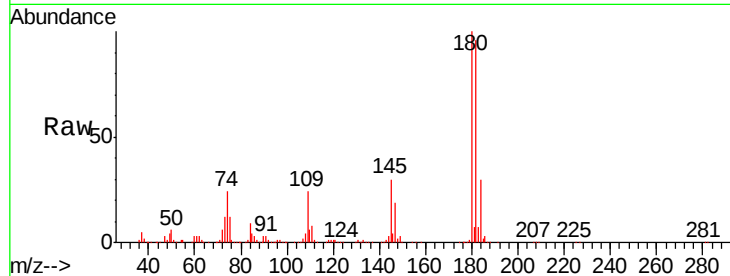
#93
 1,2,4-Trichlorobenzene
 Concen: 142.84 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	29.8	14.1	42.2

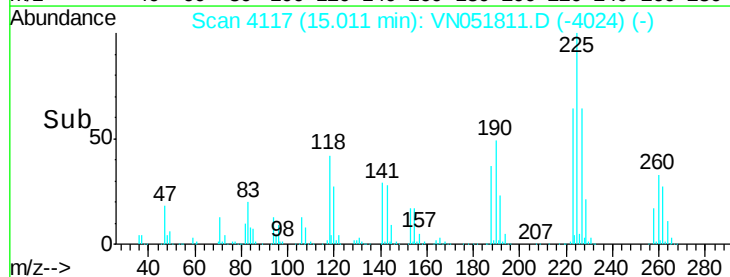
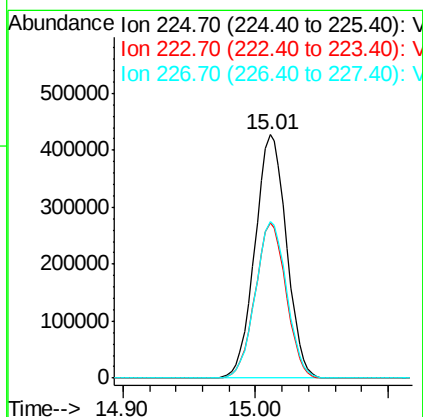
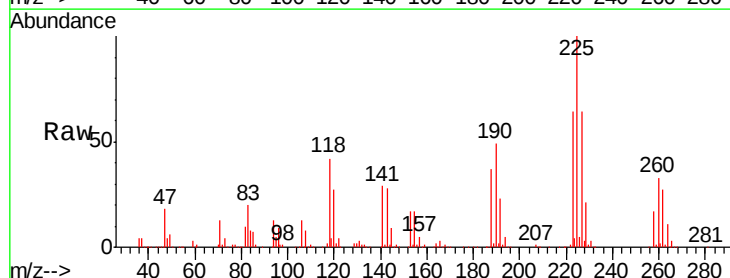
Manual Integrations
 APPROVED

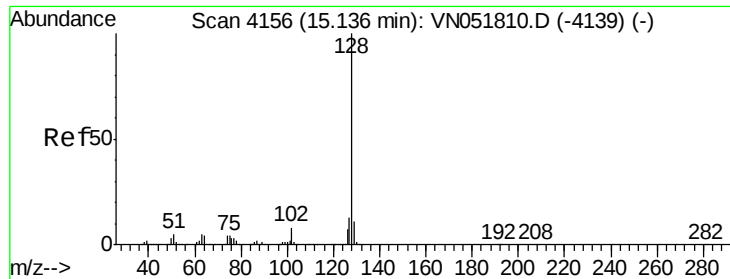
MMDadoda
 10/15/2018 3:00:16 PM



#94
 Hexachlorobutadiene
 Concen: 90.87 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051811.D
 Acq: 11 Oct 2018 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	64.0	32.0	96.2





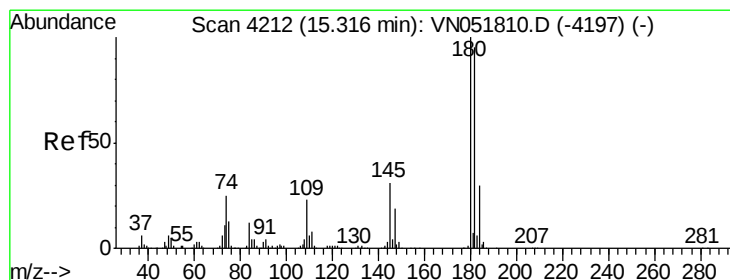
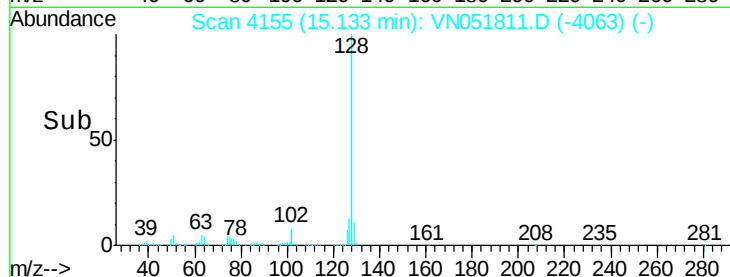
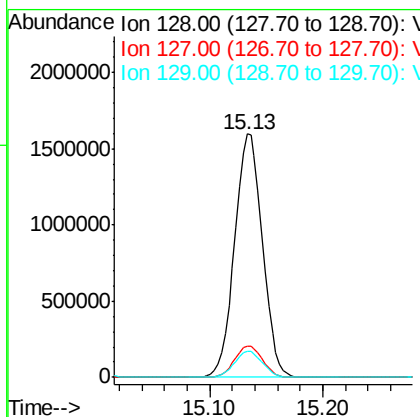
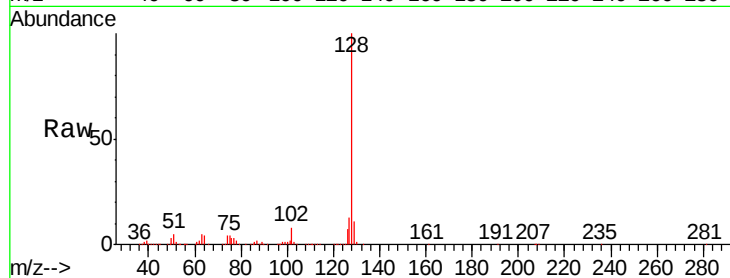
#95
Naphthalene
Concen: 144.01 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 2730184
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
10/15/2018 3:00:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 129.99 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051811.D
Acq: 11 Oct 2018 12:22

Tgt Ion:180 Resp: 1191256
Ion Ratio Lower Upper
180 100
182 94.4 48.0 144.2
145 30.9 15.2 45.6

