

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051839.D
 Acq On : 12 Oct 2018 18:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:03 AM

Quant Time: Oct 13 02:13:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	981109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1460069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1333852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	665310	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	469159	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	463721	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	1709244	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	598961	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	267231	49.07	ug/l	99
3) Chloromethane	2.06	50	302527	45.86	ug/l	100
4) Vinyl Chloride	2.18	62	455107	46.00	ug/l	99
5) Bromomethane	2.56	94	415769	46.58	ug/l	100
6) Chloroethane	2.70	64	344018	47.36	ug/l	97
7) Trichlorofluoromethane	3.01	101	639756	43.54	ug/l	99
8) Diethyl Ether	3.41	74	206653	51.00	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.76	101	401845	51.29	ug/l	99
10) Methyl Iodide	3.95	142	557669	54.02	ug/l	95
11) Tert butyl alcohol	4.79	59	136940	198.56	ug/l	99
12) 1,1-Dichloroethene	3.74	96	370749	52.65	ug/l	89
13) Acrolein	3.61	56	144297	207.02	ug/l	99
14) Allyl chloride	4.33	41	439272	49.68	ug/l #	76
15) Acrylonitrile	4.99	53	533533	237.66	ug/l	98
16) Acetone	3.82	43	379182	187.49	ug/l	99
17) Carbon Disulfide	4.05	76	905352	47.49	ug/l	100
18) Methyl Acetate	4.33	43	247464	46.55	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	1102451	49.73	ug/l	93
20) Methylene Chloride	4.55	84	423160	50.56	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	426599	51.59	ug/l	90
22) Diisopropyl ether	5.95	45	990176	50.68	ug/l #	86
23) Vinyl Acetate	5.90	43	3522553	246.44	ug/l #	91
24) 1,1-Dichloroethane	5.85	63	691692	51.53	ug/l	97
25) 2-Butanone	6.84	43	613873	214.80	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	680566	50.08	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	504683	52.95	ug/l	88
28) Bromochloromethane	7.20	49	290905	51.65	ug/l #	64
29) Tetrahydrofuran	7.21	42	379022	222.55	ug/l #	77
30) Chloroform	7.37	83	840618	52.38	ug/l	99
31) Cyclohexane	7.65	56	587145	52.51	ug/l #	82
32) 1,1,1-Trichloroethane	7.57	97	794111	52.70	ug/l	96
36) 1,1-Dichloropropene	7.79	75	597734	50.57	ug/l	95
37) Ethyl Acetate	6.93	43	277871	45.79	ug/l	96
38) Carbon Tetrachloride	7.78	117	712296	51.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	755045	52.00	ug/l	88
40) Benzene	8.04	78	1780885	52.23	ug/l	100
41) Methacrylonitrile	7.17	41	112230	38.36	ug/l #	63
42) 1,2-Dichloroethane	8.13	62	574027	51.35	ug/l	100
43) Isopropyl Acetate	8.17	43	550778	45.46	ug/l #	95
44) Trichloroethene	8.84	130	552163	53.19	ug/l	92
45) 1,2-Dichloropropane	9.12	63	417273	52.05	ug/l	100
46) Dibromomethane	9.21	93	313392	50.94	ug/l	99
47) Bromodichloromethane	9.40	83	648113	52.72	ug/l	98
48) Methyl methacrylate	9.20	41	255194	47.20	ug/l #	78
49) 1,4-Dioxane	9.20	88	90113	859.79	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	1454040	230.81	ug/l	96
52) Toluene	10.16	92	1229862	53.71	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	629722	51.13	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	697252	51.57	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	443375	51.48	ug/l	96
56) Ethyl methacrylate	10.43	69	514900	50.76	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	677932	50.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1079575	244.43	ug/l #	88
59) 2-Hexanone	10.75	43	953417	215.48	ug/l	96
60) Dibromochloromethane	10.90	129	543013	53.11	ug/l	100
61) 1,2-Dibromoethane	11.00	107	465298	52.45	ug/l	100
64) Tetrachloroethene	10.63	164	554975	54.25	ug/l	98
65) Chlorobenzene	11.43	112	1419278	52.61	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	549112	53.41	ug/l	99
67) Ethyl Benzene	11.51	91	2390299	53.53	ug/l	96
68) m/p-Xylenes	11.62	106	1937305	107.40	ug/l	96
69) o-Xylene	11.95	106	954258	54.47	ug/l	94
70) Styrene	11.96	104	1514433	56.03	ug/l	98
71) Bromoform	12.13	173	362312	45.12	ug/l	99
73) Isopropylbenzene	12.25	105	2560225	49.94	ug/l	98
74) N-amyl acetate	12.07	43	471214	46.35	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	517432	45.95	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	435357m	53.06	ug/l	
77) Bromobenzene	12.53	156	653331	51.11	ug/l	85
78) n-propylbenzene	12.59	91	2765644	51.52	ug/l	96
79) 2-Chlorotoluene	12.67	91	1620254	50.10	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	2154972	51.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	131170	45.40	ug/l	96
82) 4-Chlorotoluene	12.77	91	1629000	52.42	ug/l	95
83) tert-Butylbenzene	12.99	119	1956817	50.51	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	2179788	52.41	ug/l	98
85) sec-Butylbenzene	13.17	105	2598955	51.78	ug/l	98
86) p-Isopropyltoluene	13.29	119	2344558	53.12	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1167000	53.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1125378	53.11	ug/l	99
89) n-Butylbenzene	13.62	91	1813706	55.27	ug/l	98
90) Hexachloroethane	13.88	117	396186	49.45	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1139190	53.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77832	46.95	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	524322	47.20	ug/l	98
94) Hexachlorobutadiene	15.01	225	350121	51.27	ug/l	98
95) Naphthalene	15.13	128	1020856	42.38	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	503504	46.69	ug/l	99

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

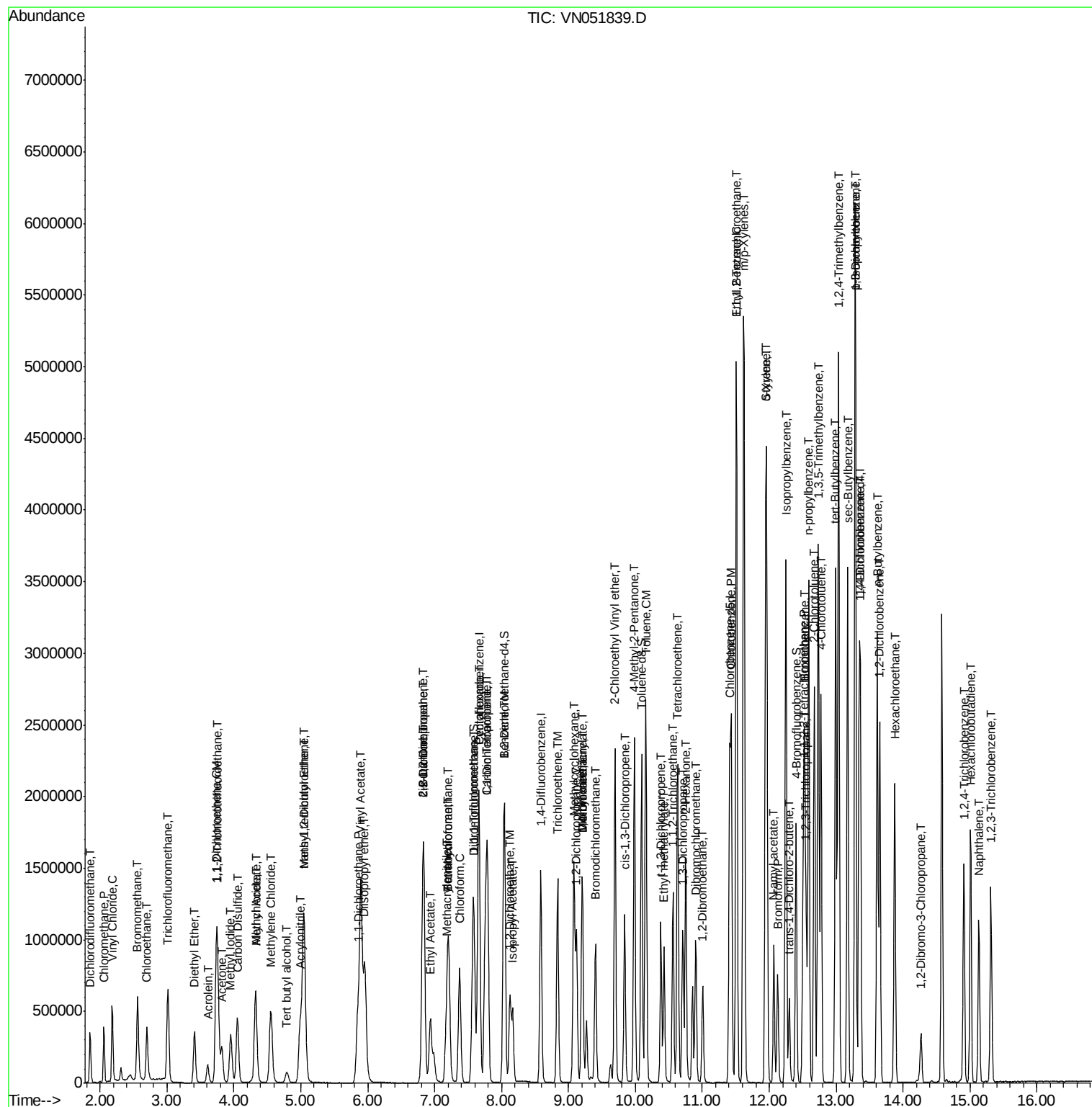
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
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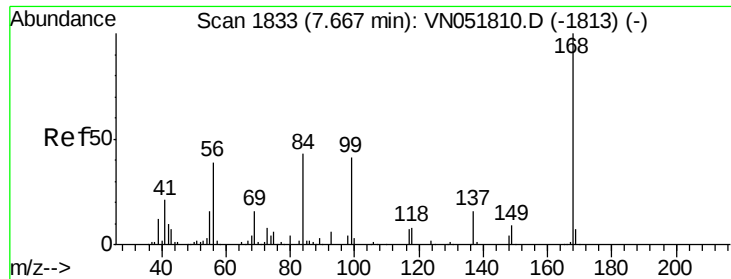
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 981109

Ion Ratio Lower Upper

168 100

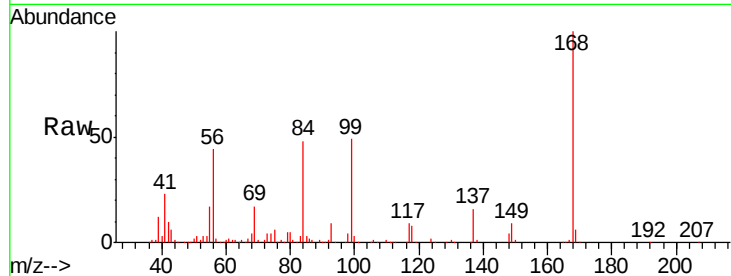
99 49.1 39.6 59.4

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

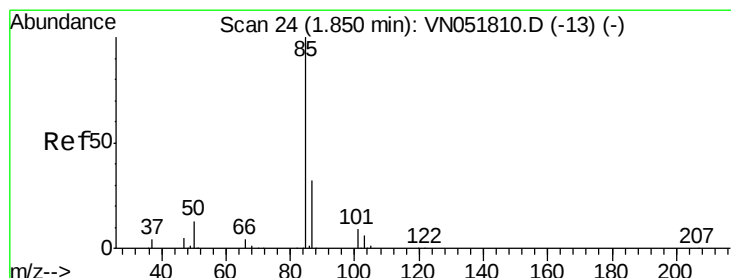
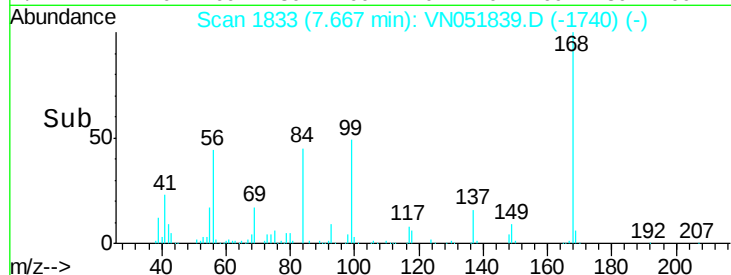
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.07 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051839.D

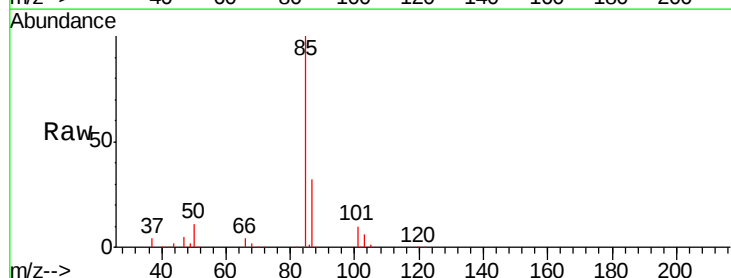
Acq: 12 Oct 2018 18:18

Tgt Ion: 85 Resp: 267231

Ion Ratio Lower Upper

85 100

87 31.9 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

200000

150000

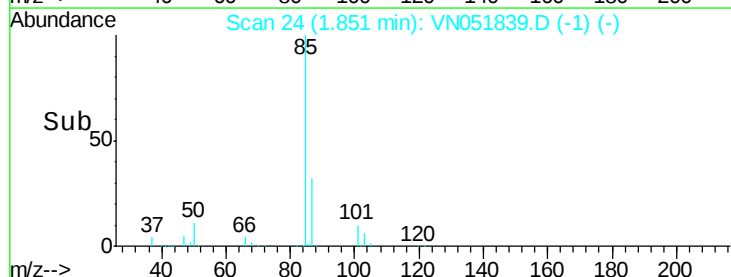
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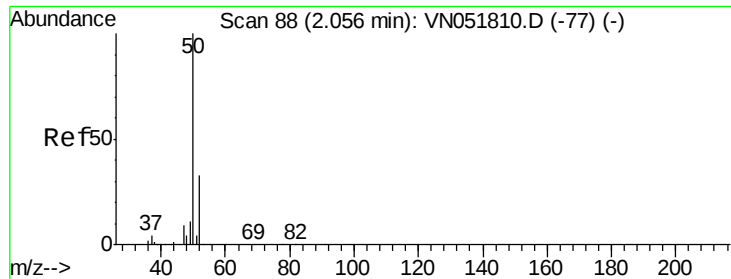
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.86 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 302527

Ion Ratio Lower Upper

50 100

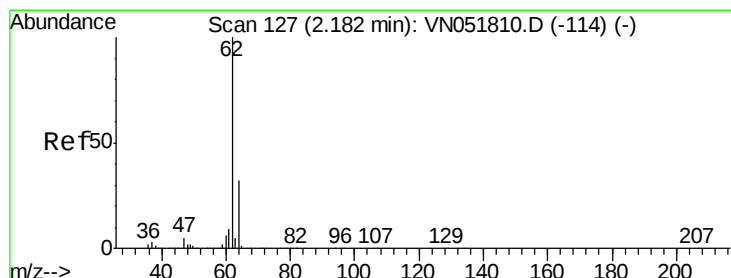
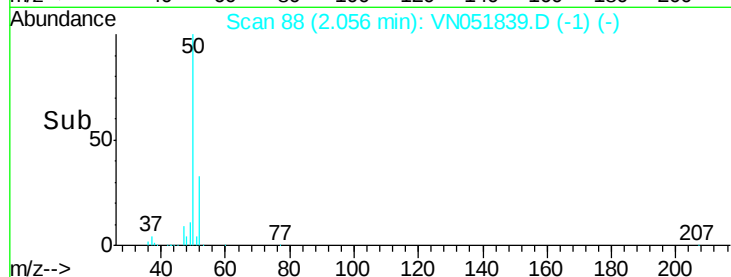
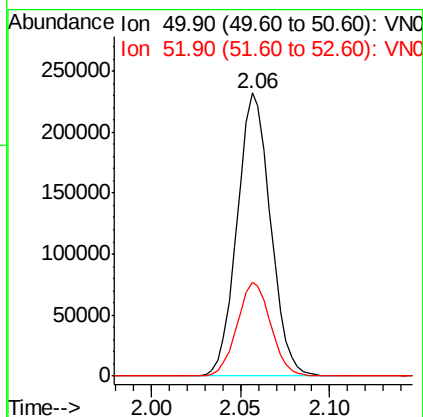
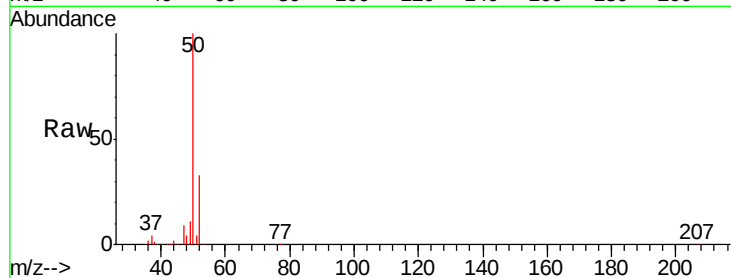
52 33.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.00 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051839.D

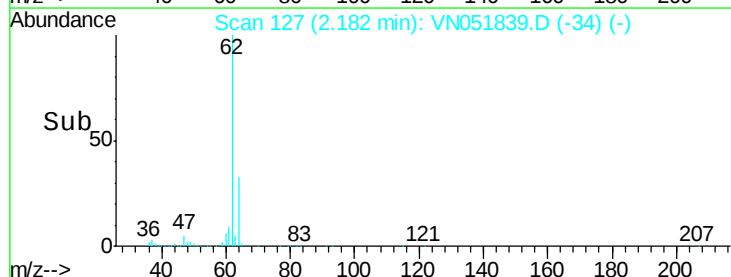
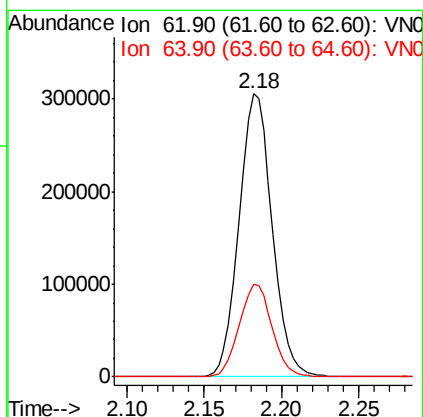
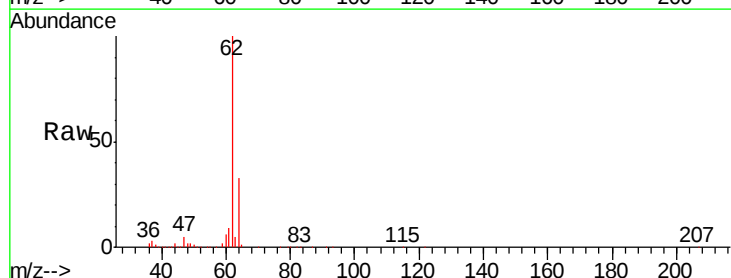
Acq: 12 Oct 2018 18:18

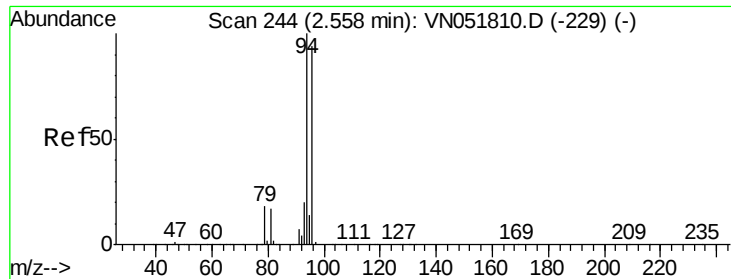
Tgt Ion: 62 Resp: 455107

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





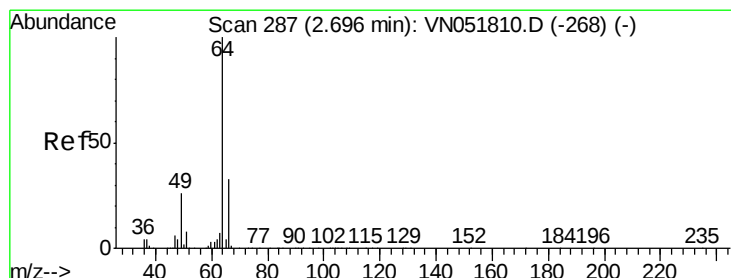
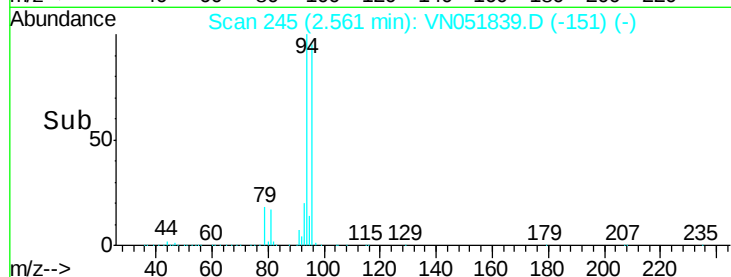
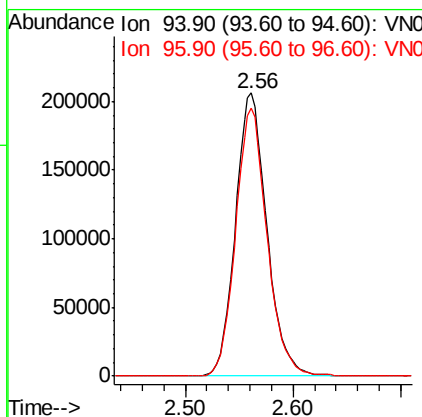
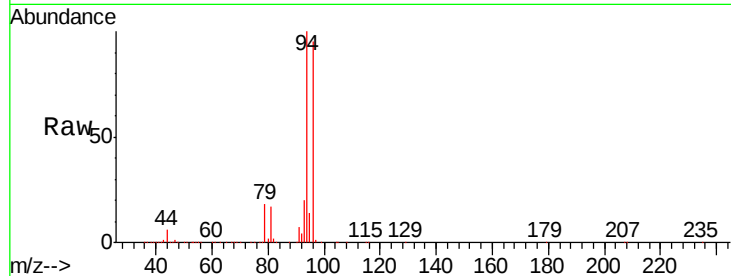
#5
Bromomethane
Concen: 46.58 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 415769
Ion Ratio Lower Upper
94 100
96 94.8 76.2 114.2

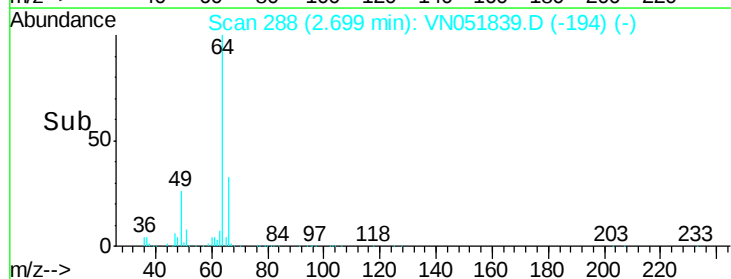
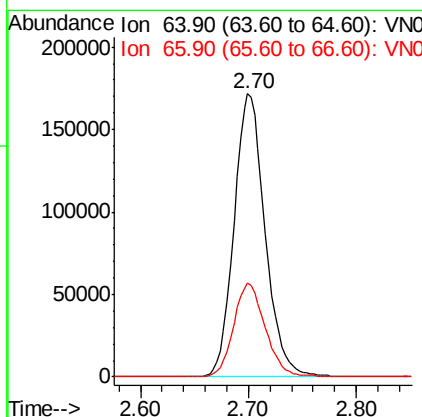
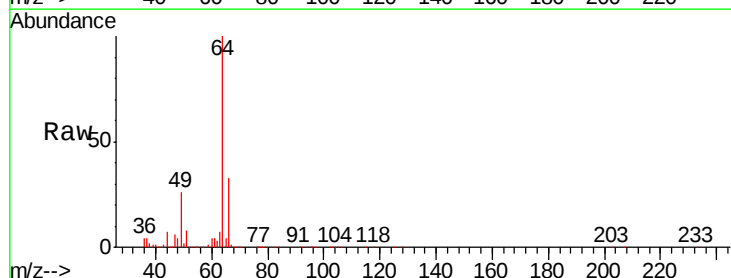
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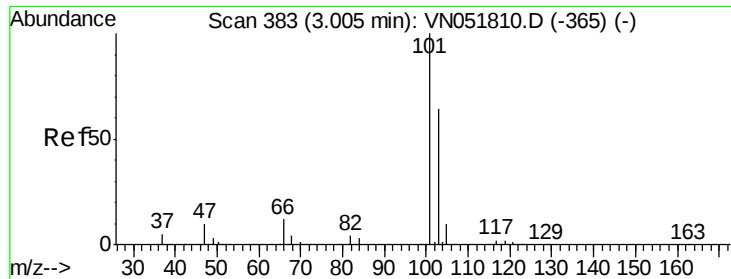
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#6
Chloroethane
Concen: 47.36 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 64 Resp: 344018
Ion Ratio Lower Upper
64 100
66 33.1 25.3 37.9





#7

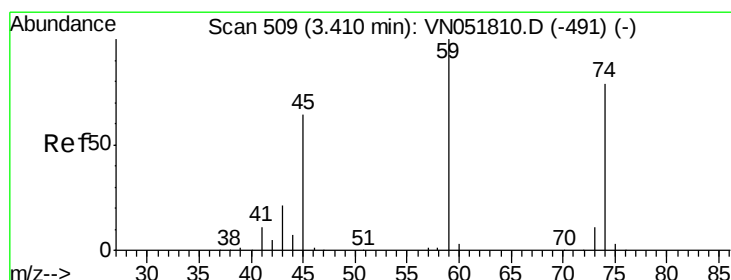
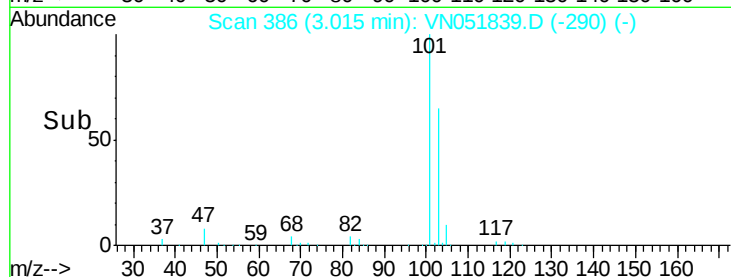
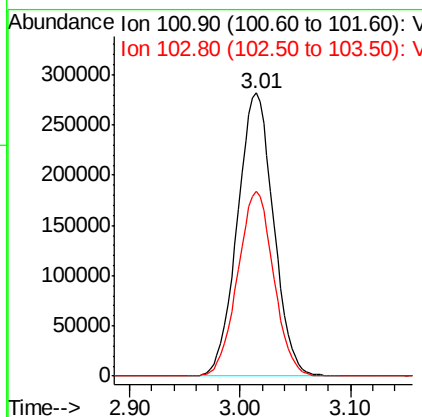
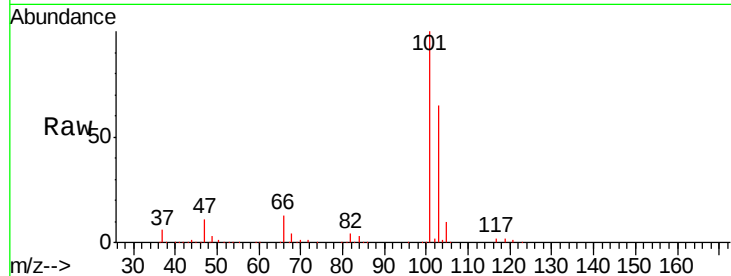
Trichlorofluoromethane
Concen: 43.54 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 639756
Ion Ratio Lower Upper
101 100
103 65.1 51.6 77.4

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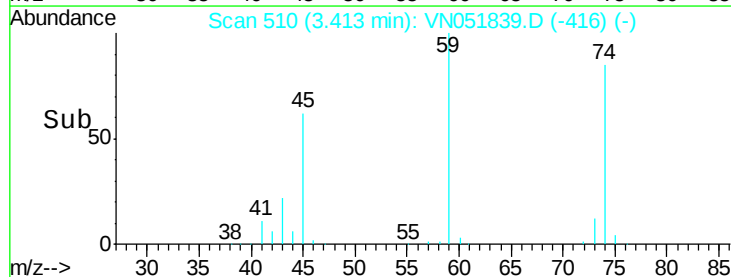
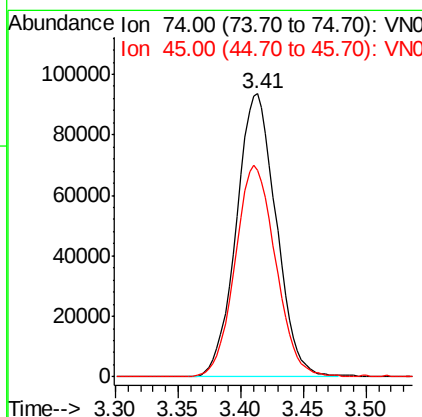
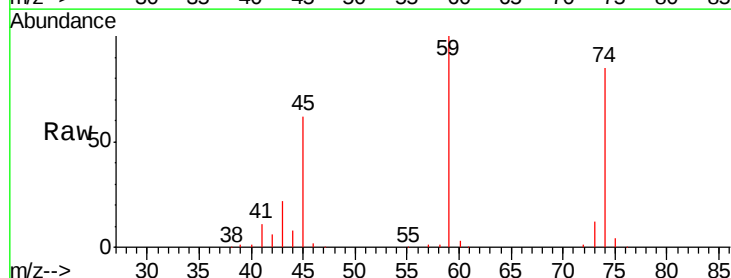
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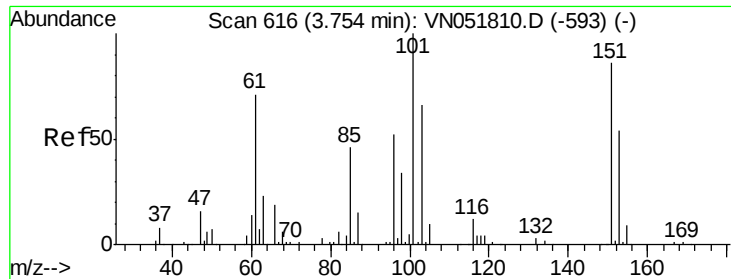


#8

Diethyl Ether
Concen: 51.00 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 74 Resp: 206653
Ion Ratio Lower Upper
74 100
45 76.2 48.2 144.6





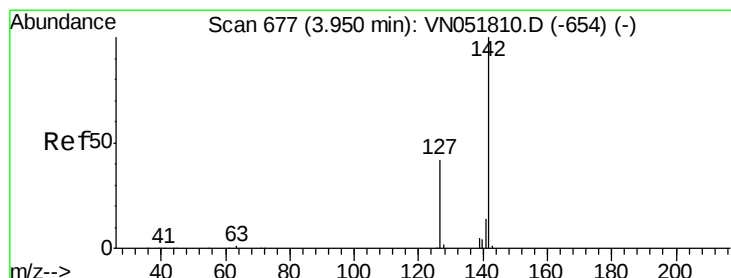
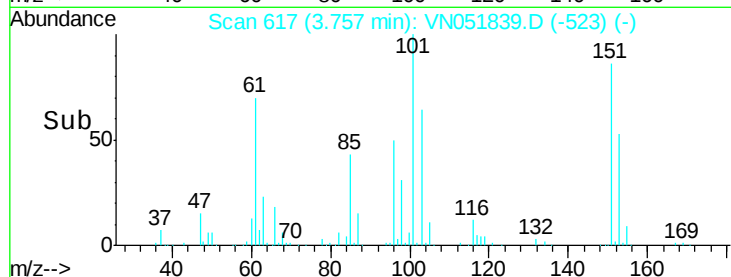
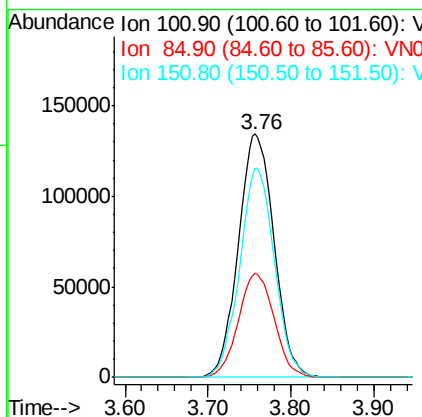
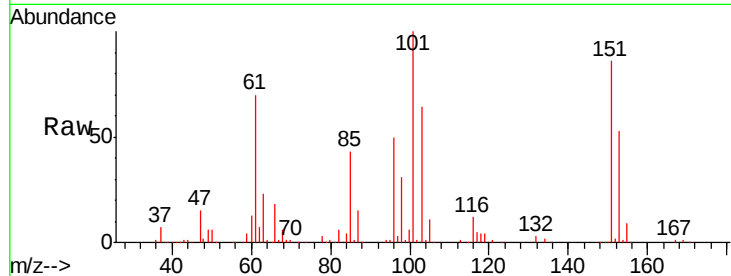
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.29 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	401845		
85	42.9	33.7	50.5	
151	83.8	67.4	101.2	

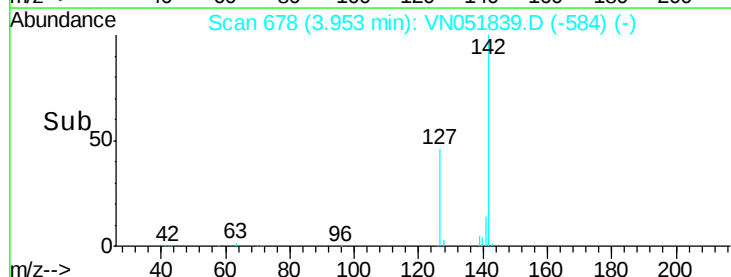
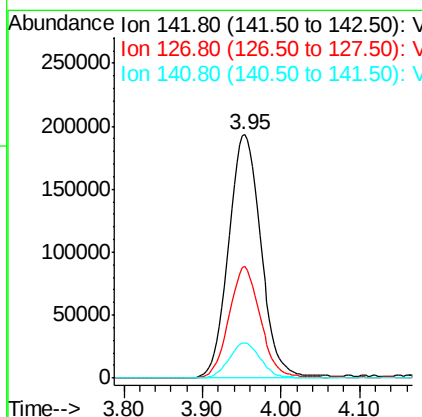
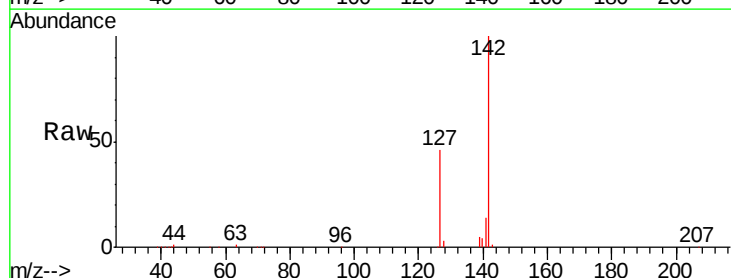
Manual Integrations
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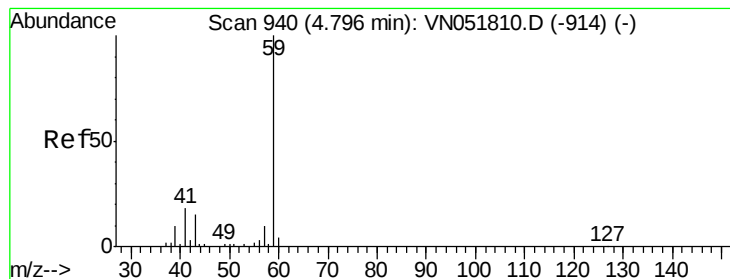
MMDadoda
 10/15/2018 11:28:03 AM



#10
 Methyl Iodide
 Concen: 54.02 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	557669		
127	44.1	31.7	47.5	
141	14.1	11.4	17.0	





#11

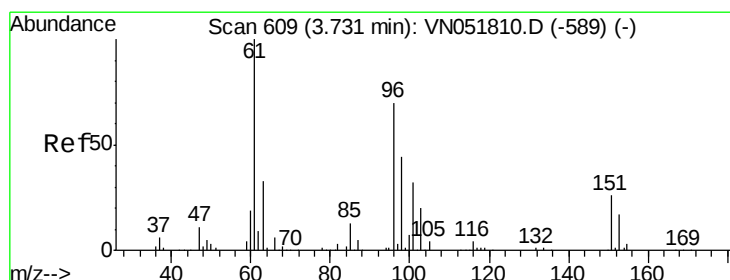
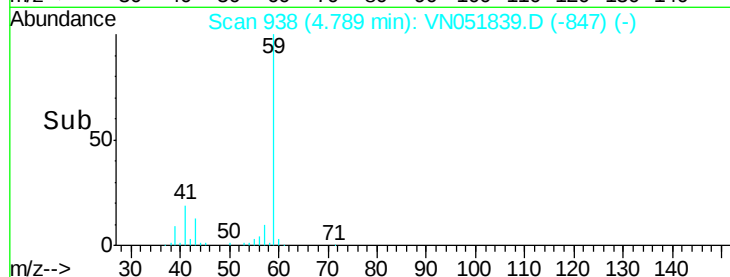
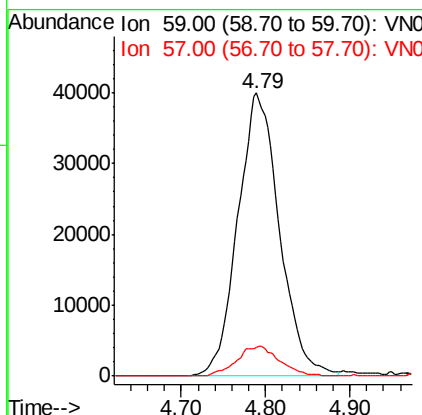
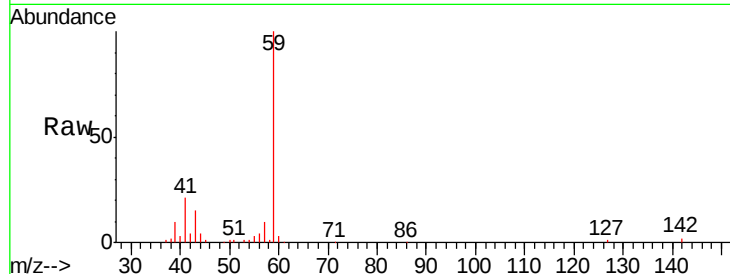
Tert butyl alcohol
 Concen: 198.56 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

Manual Integrations
 APPROVED

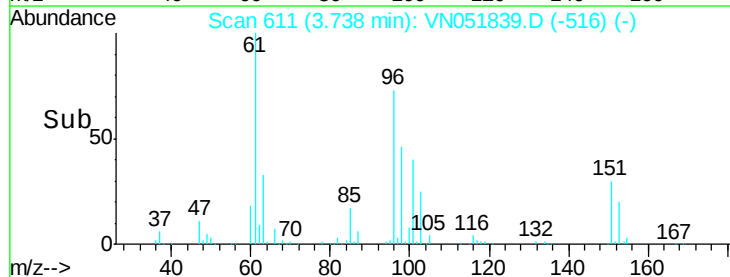
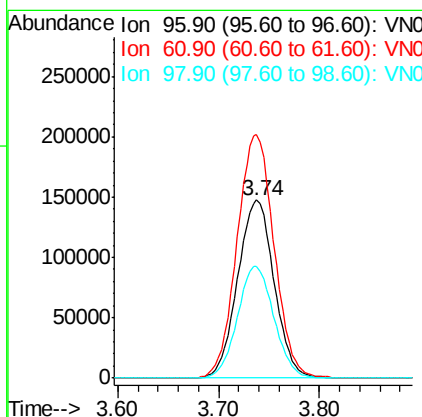
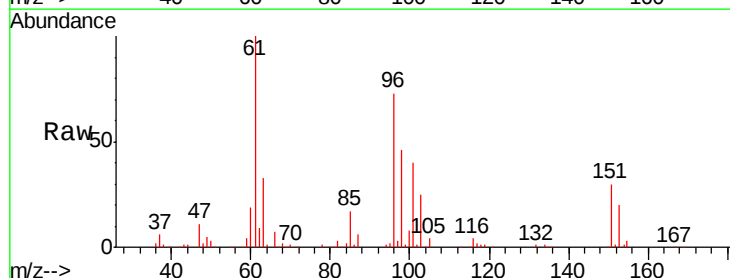
MMDadoda
 10/15/2018 11:28:03 AM

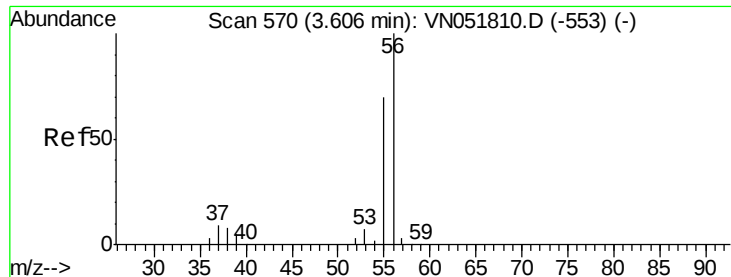


#12

1,1-Dichloroethene
 Concen: 52.65 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.8	124.9	187.3
98	62.5	51.1	76.7





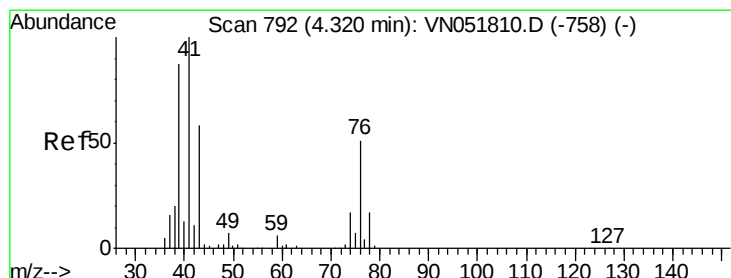
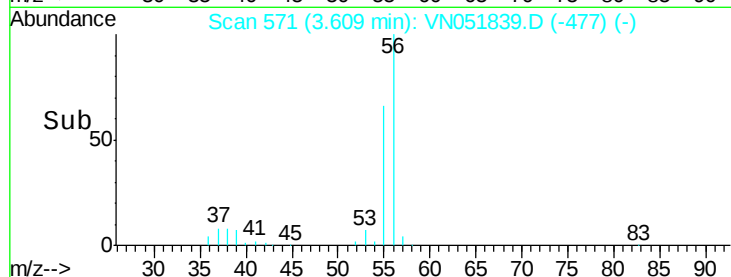
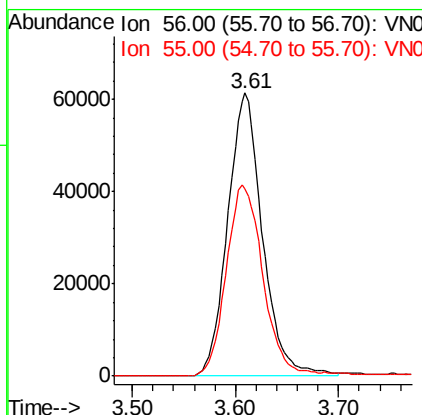
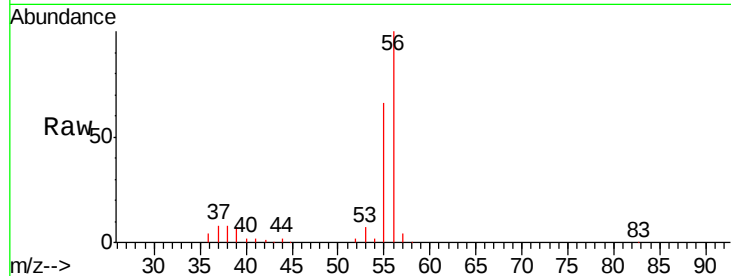
#13
Acrolein
Concen: 207.02 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.7	86.5

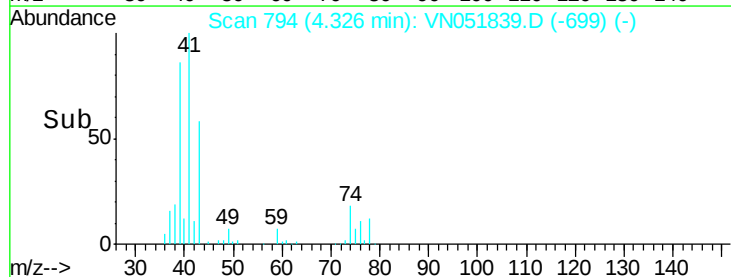
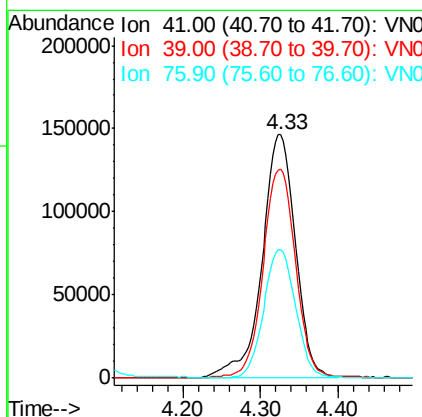
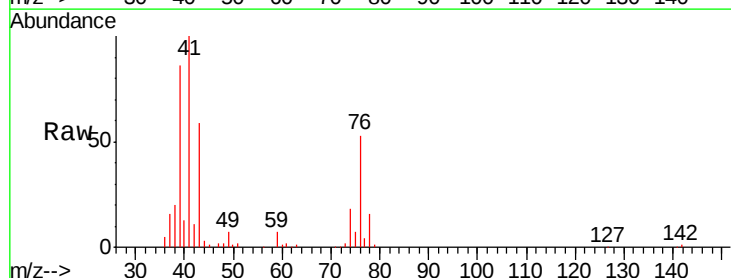
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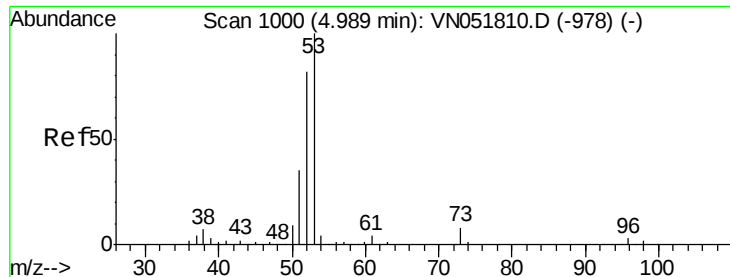
MMDadoda
10/15/2018 11:28:03 AM



#14
Allyl chloride
Concen: 49.68 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	83.2	50.2	75.2#
76	49.6	29.8	44.8#





#15

Acrylonitrile

Concen: 237.66 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

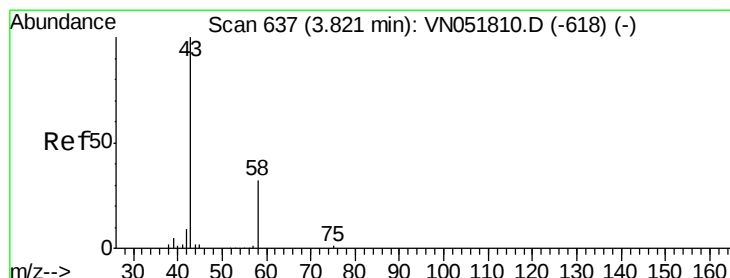
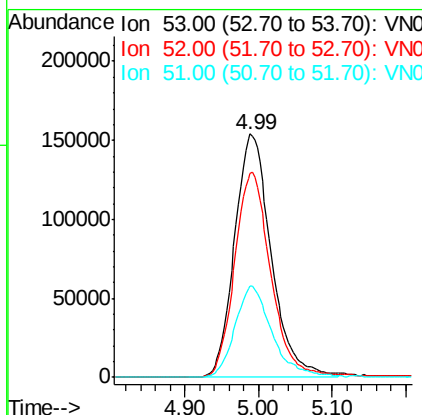
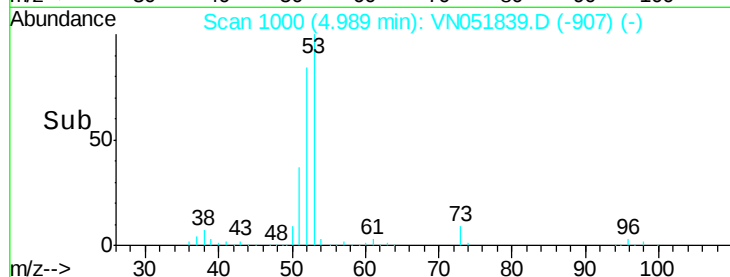
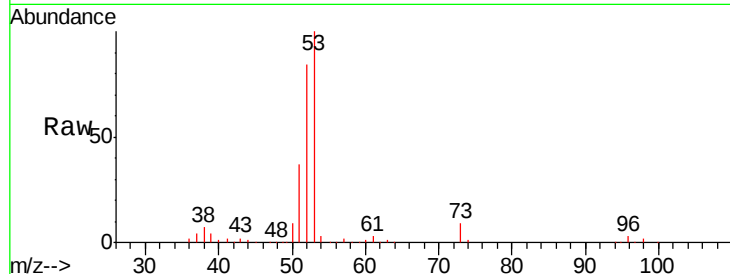
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	533533
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.9	98.9
51	38.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 187.49 ug/l

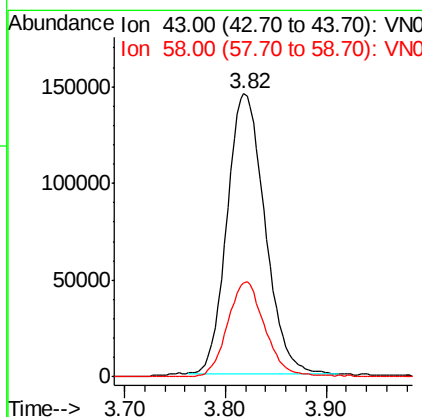
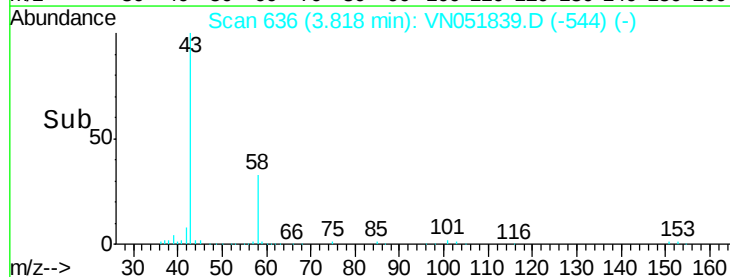
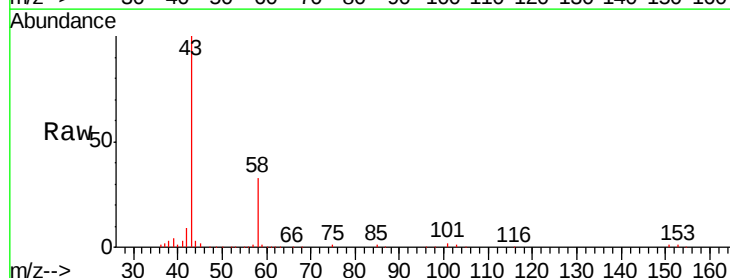
RT: 3.82 min Scan# 636

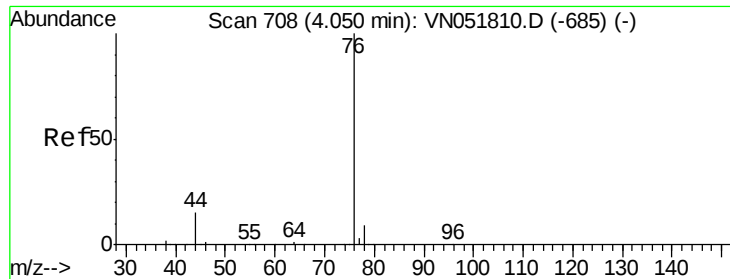
Delta R.T. -0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Tgt Ion:	43	Resp:	379182
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.2	40.8





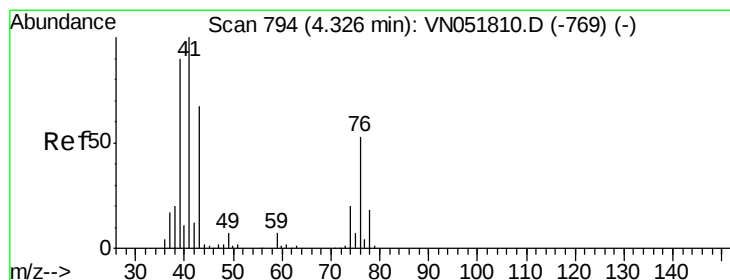
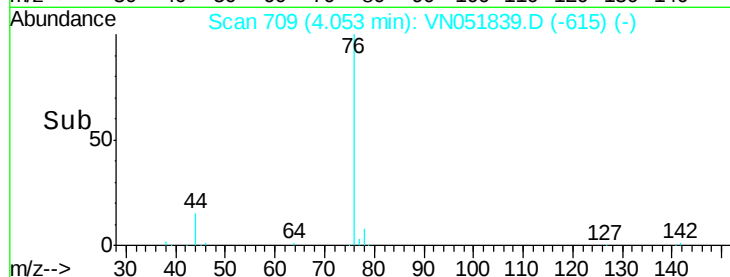
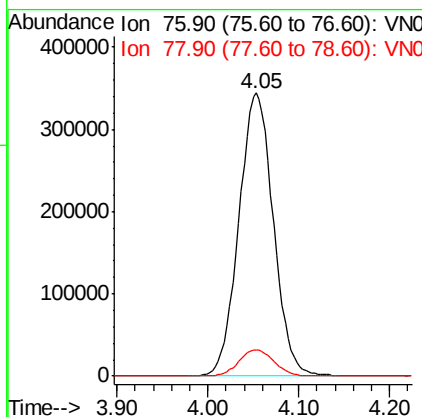
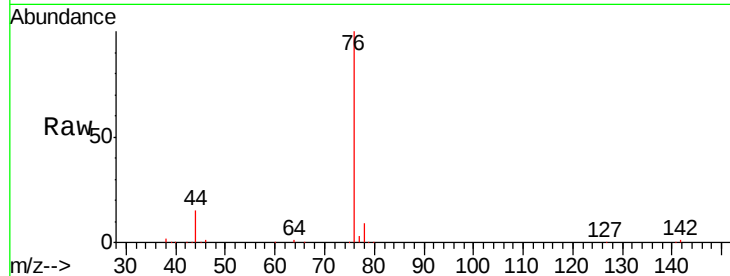
#17
Carbon Disulfide
Concen: 47.49 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

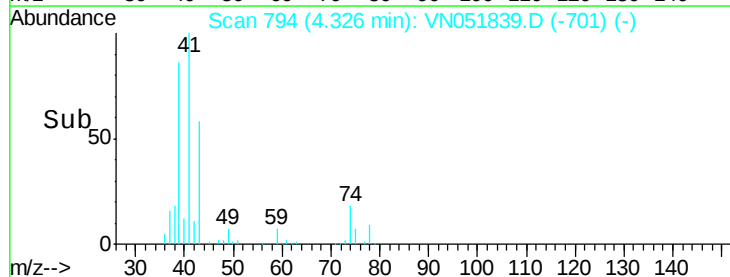
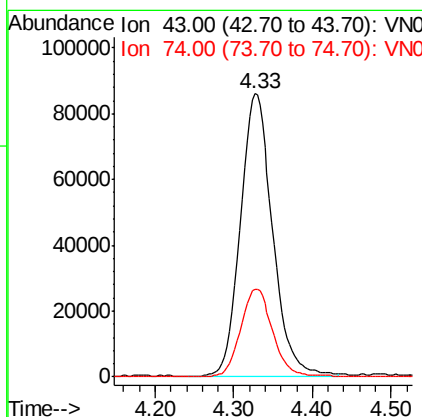
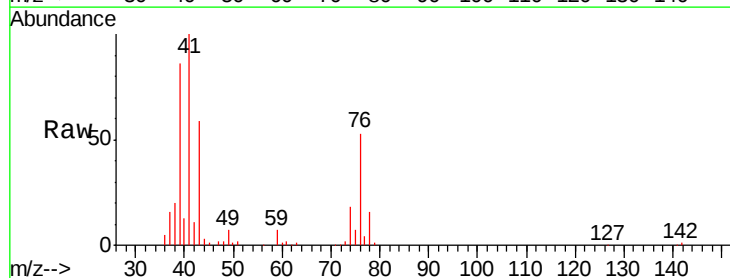
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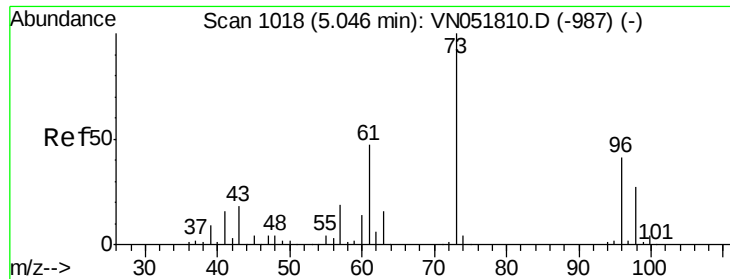
MMDadoda
10/15/2018 11:28:03 AM



#18
Methyl Acetate
Concen: 46.55 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.8	19.8	29.8#





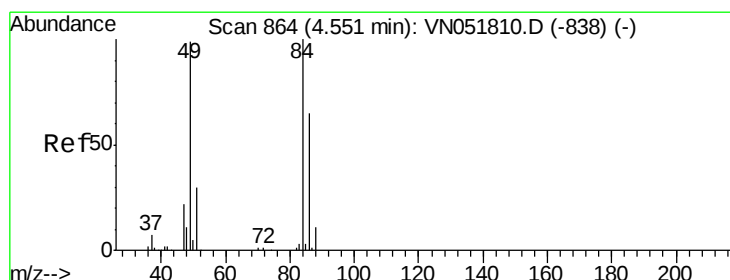
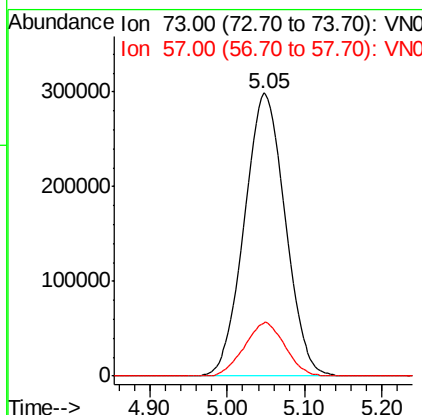
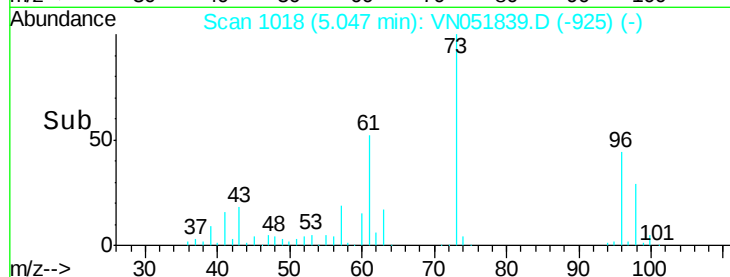
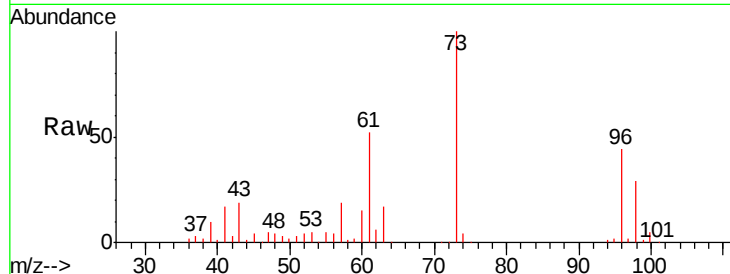
#19
Methyl tert-butyl Ether
Concen: 49.73 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1102451
Ion Ratio Lower Upper
73 100
57 18.9 17.8 26.8

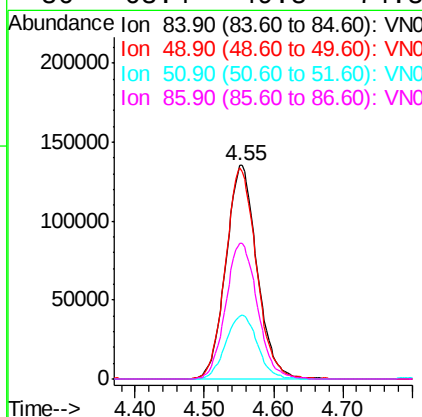
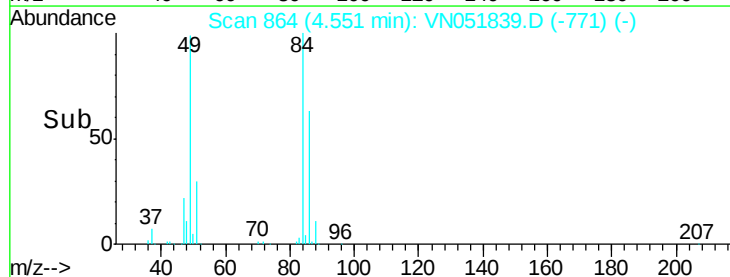
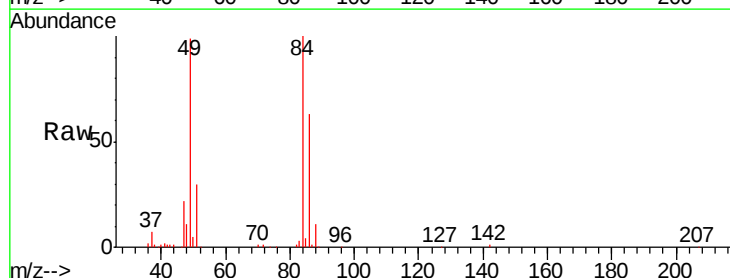
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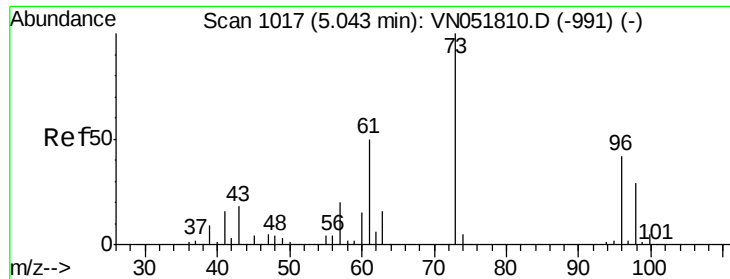
MMDadoda
10/15/2018 11:28:03 AM



#20
Methylene Chloride
Concen: 50.56 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 84 Resp: 423160
Ion Ratio Lower Upper
84 100
49 98.7 93.2 139.8
51 29.6 29.0 43.6
86 63.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 51.59 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 426599

Ion Ratio Lower Upper

96 100

61 117.0 107.4 161.0

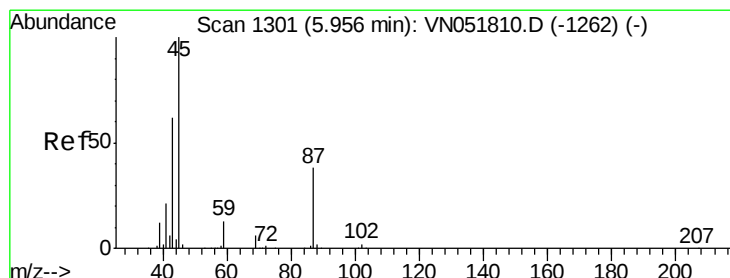
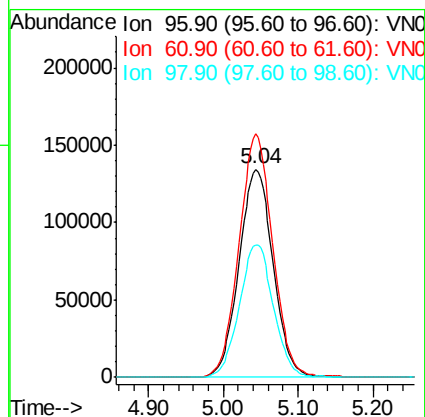
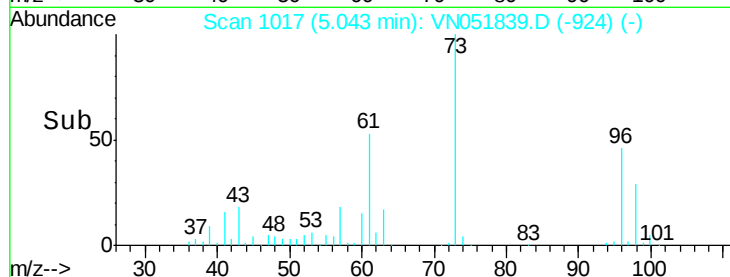
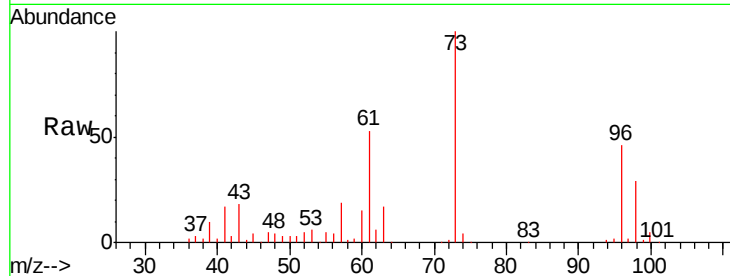
98 63.9 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.68 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Tgt Ion: 45 Resp: 990176

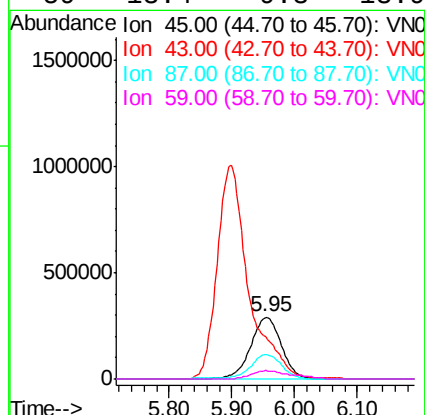
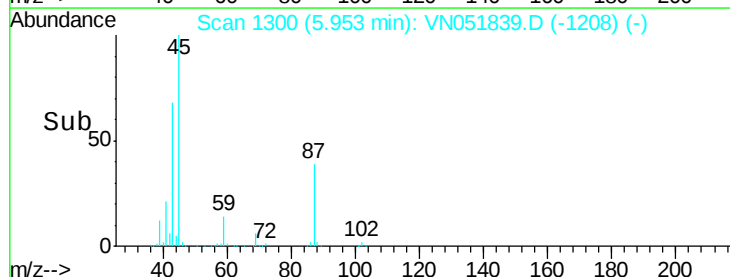
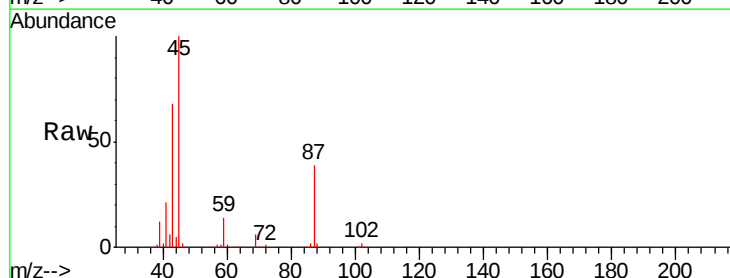
Ion Ratio Lower Upper

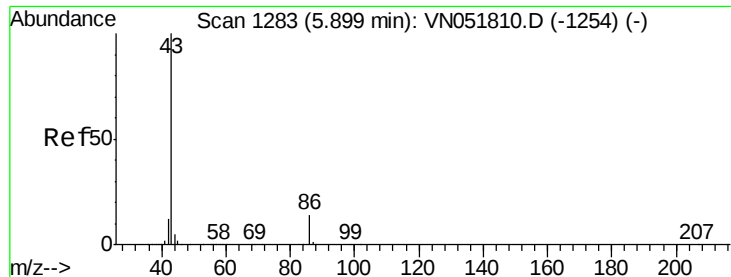
45 100

43 66.6 45.9 68.9

87 39.0 22.7 34.1#

59 13.4 9.3 13.9





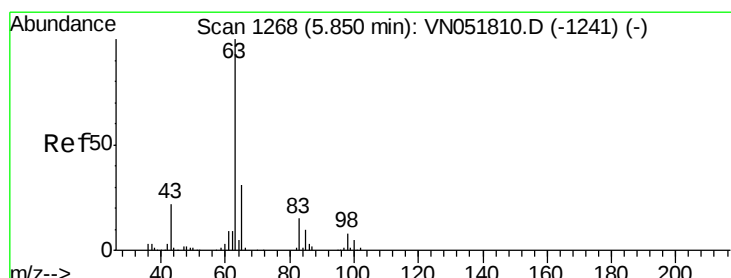
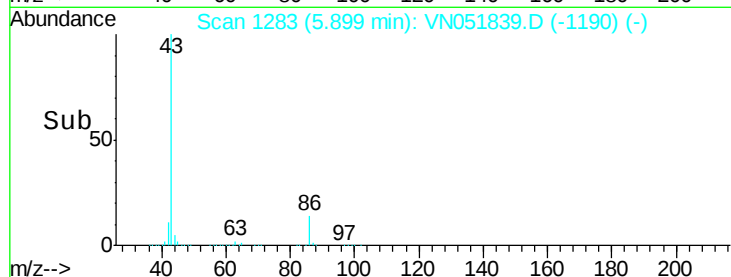
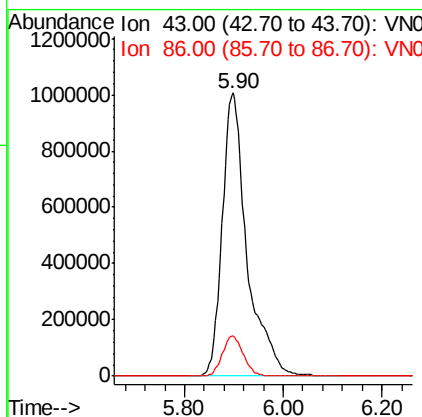
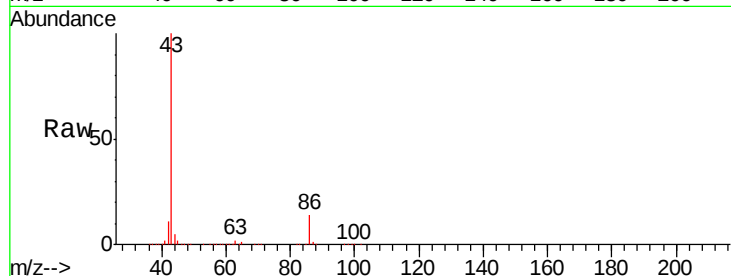
#23
 Vinyl Acetate
 Concen: 246.44 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 3522553
 Ion Ratio Lower Upper
 43 100
 86 14.2 8.7 13.1#

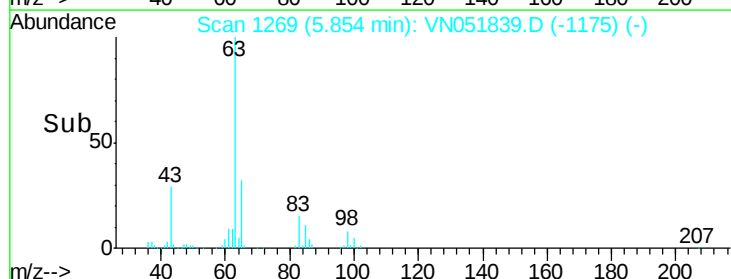
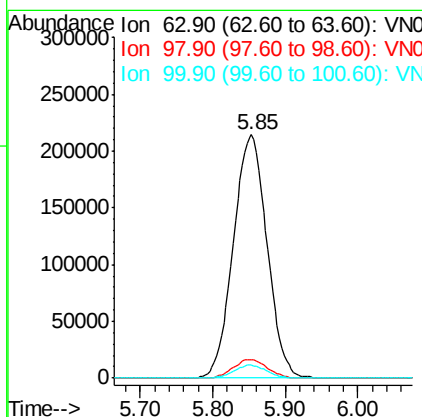
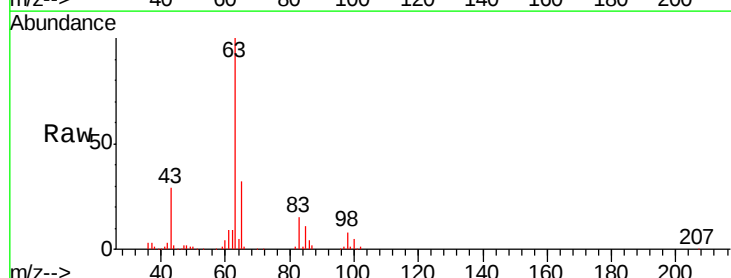
Manual Integrations
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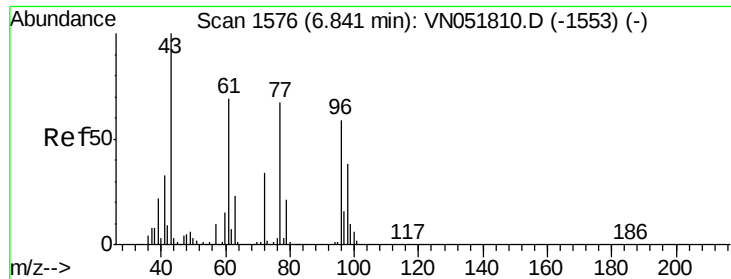
MMDadoda
 10/15/2018 11:28:03 AM



#24
 1,1-Dichloroethane
 Concen: 51.53 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 63 Resp: 691692
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.3 9.8
 100 5.3 2.1 6.5





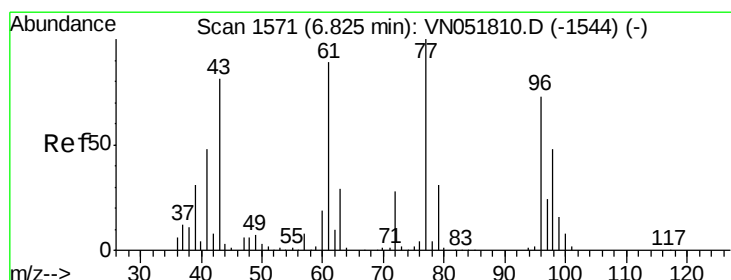
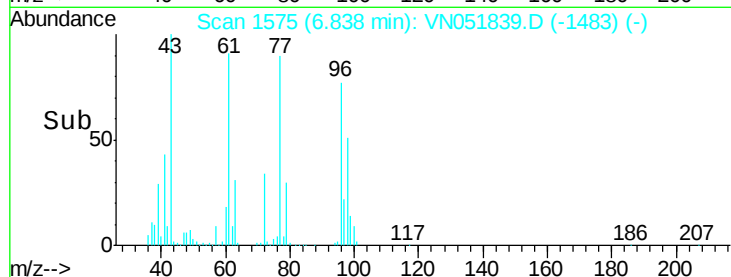
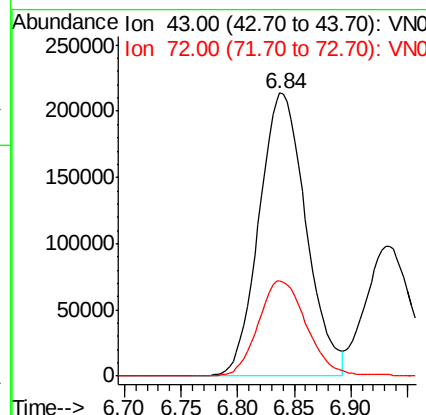
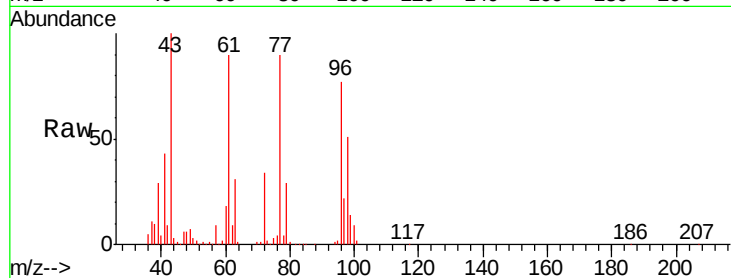
#25
 2-Butanone
 Concen: 214.80 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 613873
 Ion Ratio Lower Upper
 43 100
 72 33.8 22.3 33.5#

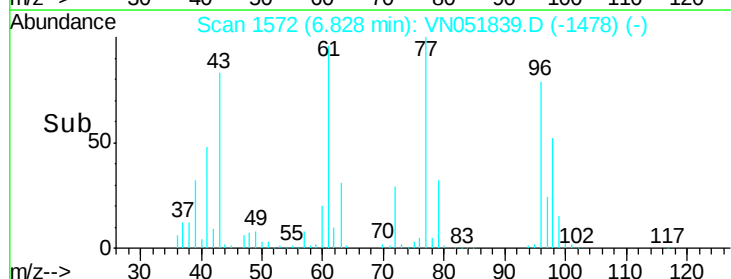
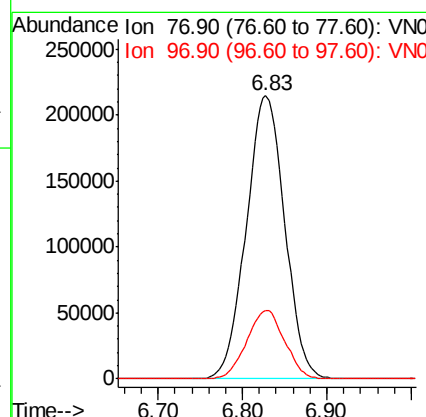
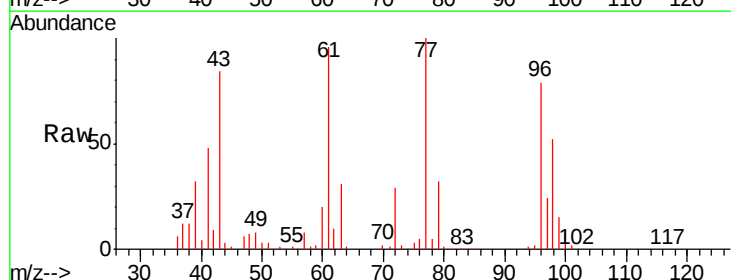
Manual Integrations
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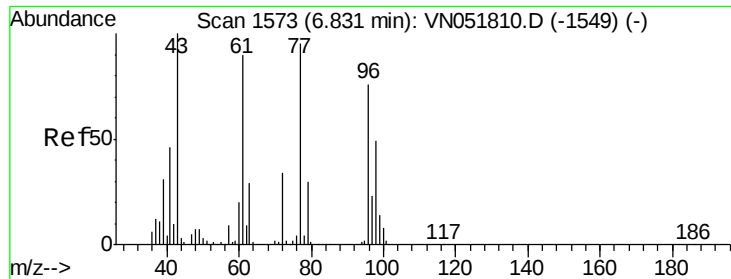
MMDadoda
 10/15/2018 11:28:03 AM



#26
 2,2-Dichloropropane
 Concen: 50.08 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 77 Resp: 680566
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.0 36.0





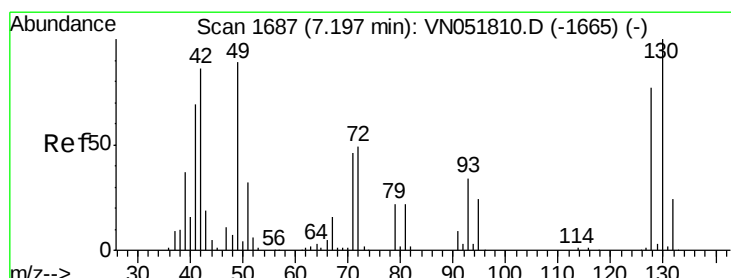
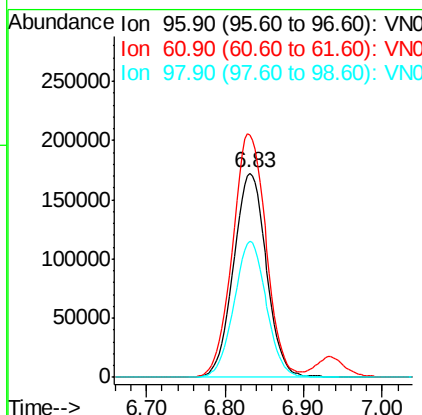
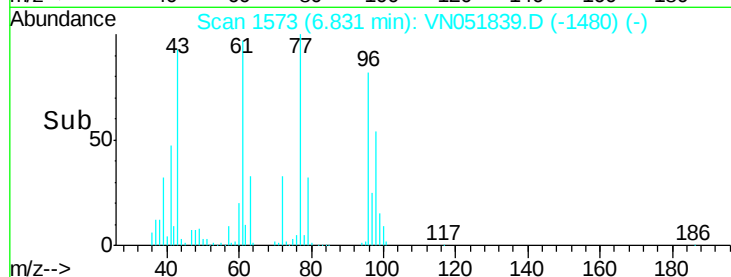
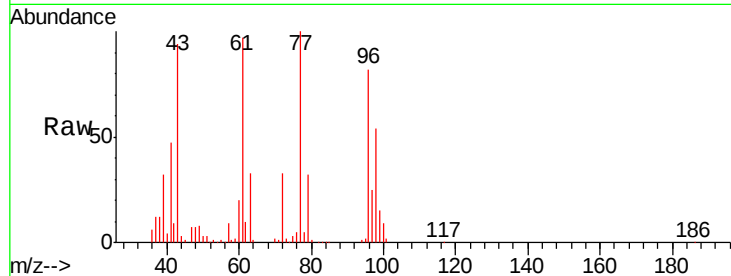
#27
 cis-1,2-Dichloroethene
 Concen: 52.95 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	504683		
61	121.6	0.0	283.4	
98	65.6	0.0	129.8	

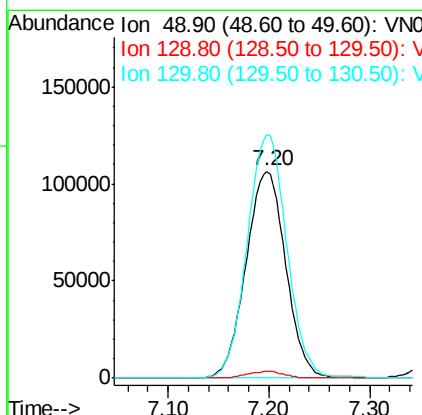
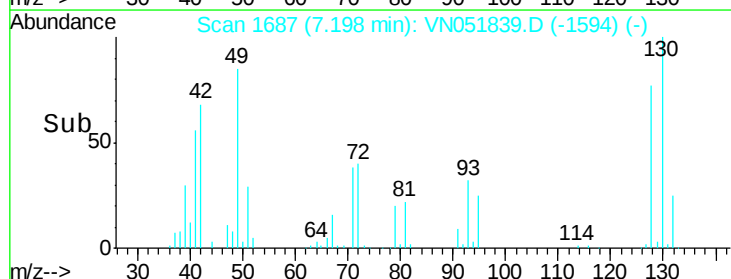
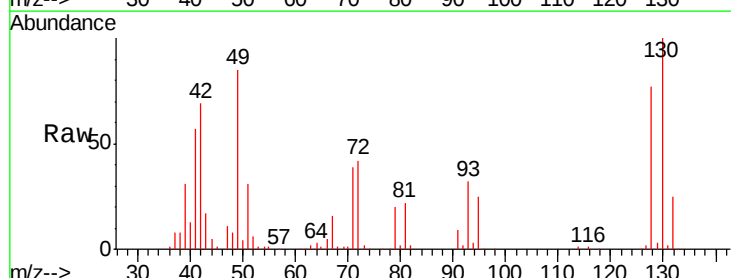
Manual Integrations
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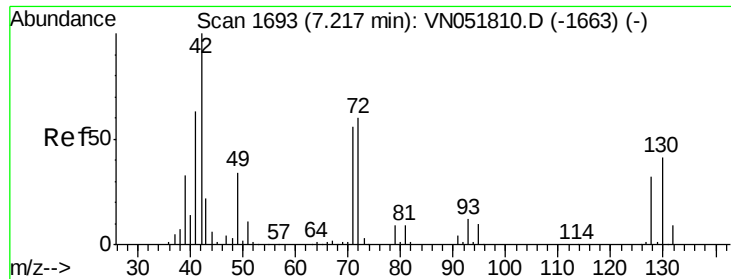
MMDadoda
 10/15/2018 11:28:03 AM



#28
 Bromochloromethane
 Concen: 51.65 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	290905		
129	3.1	0.0	4.2	
130	117.2	67.1	100.7#	





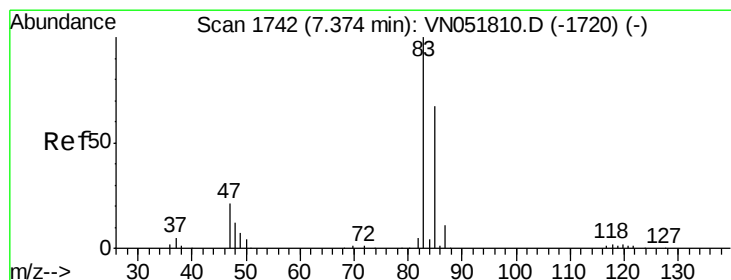
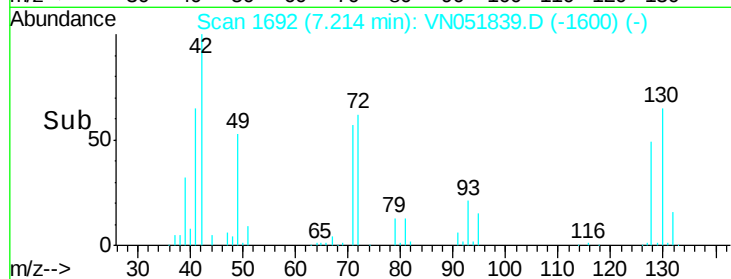
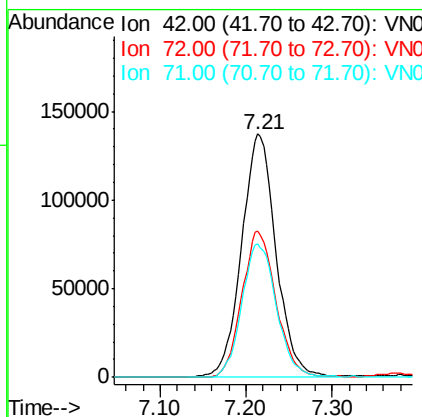
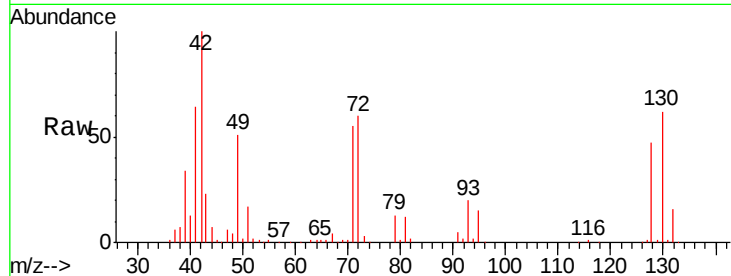
#29
Tetrahydrofuran
Concen: 222.55 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	60.0	35.5	53.3#
71	55.7	33.7	50.5#

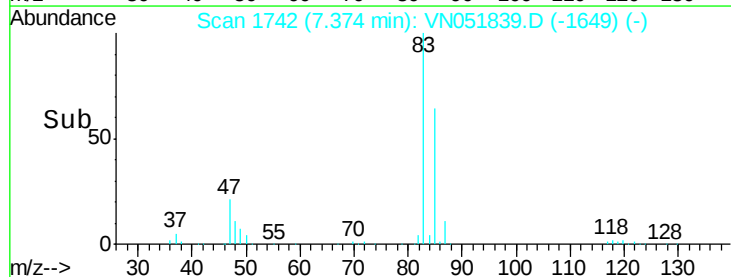
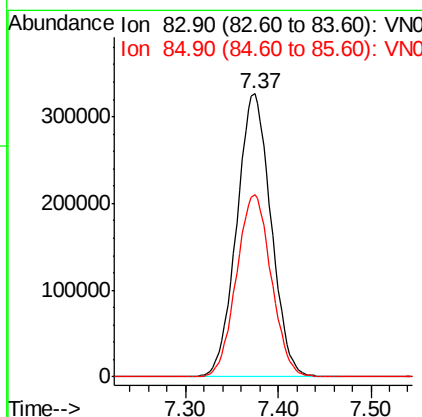
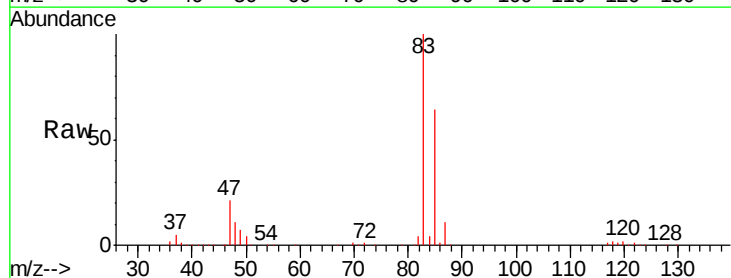
Manual Integrations
APPROVED

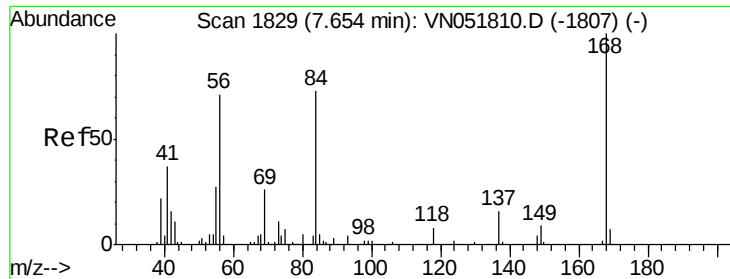
MMDadoda
10/15/2018 11:28:03 AM



#30
Chloroform
Concen: 52.38 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





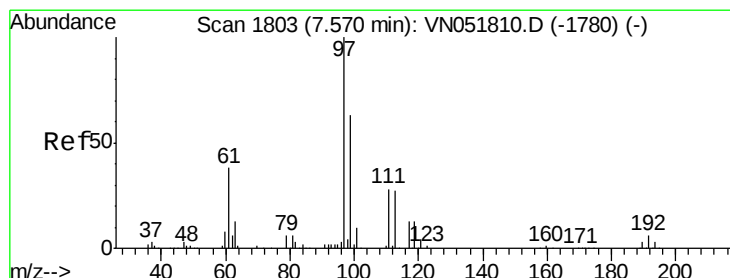
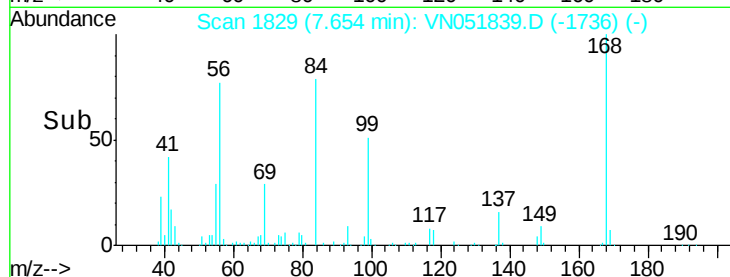
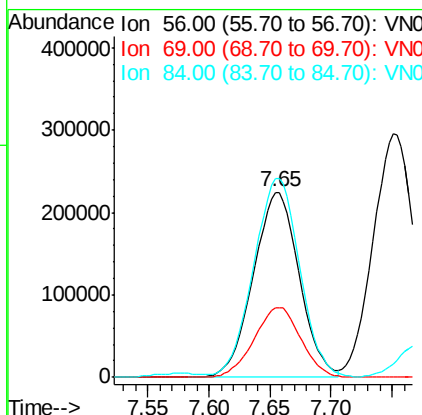
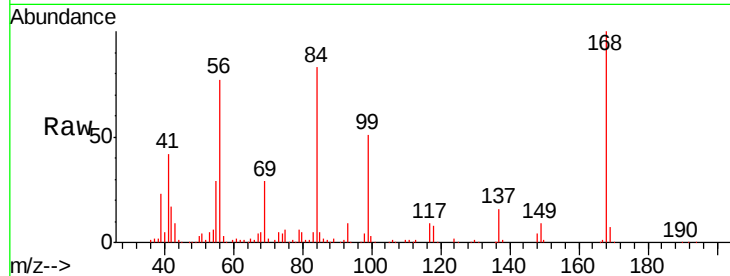
#31
Cyclohexane
Concen: 52.51 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.2	39.4
84	105.5	68.3	102.5

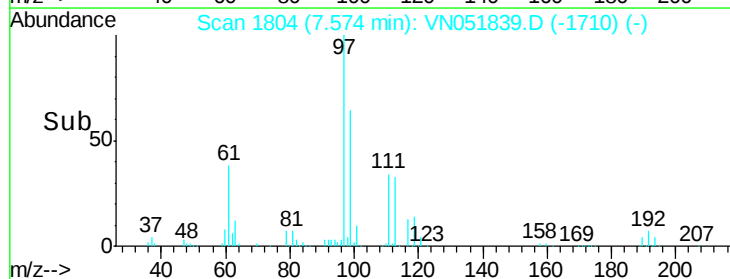
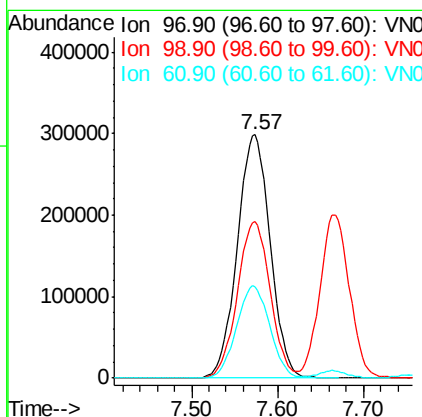
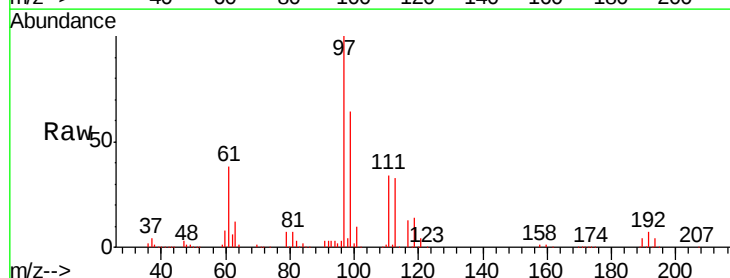
Manual Integrations
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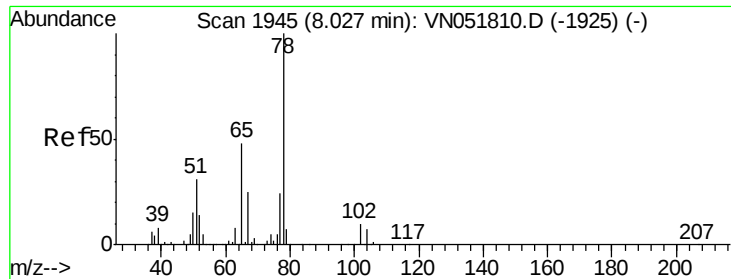
MMDadoda
10/15/2018 11:28:03 AM



#32
1,1,1-Trichloroethane
Concen: 52.70 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	38.3	34.9	52.3





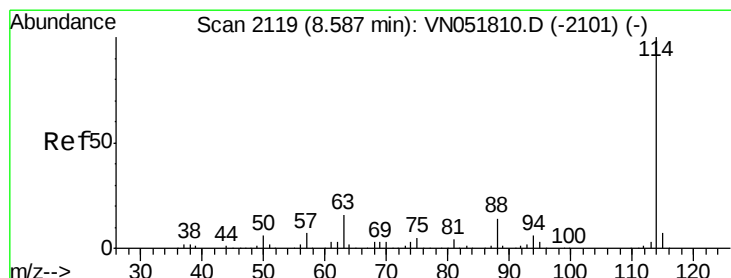
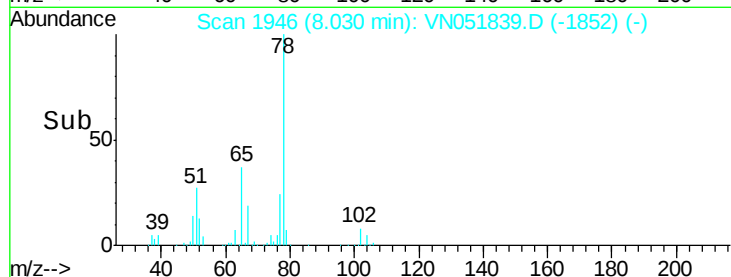
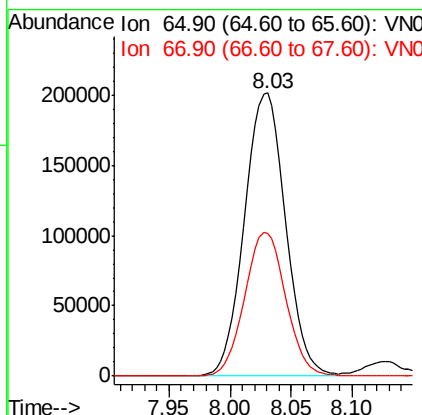
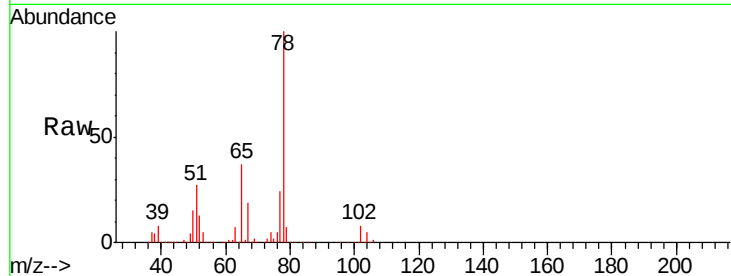
#33
 1,2-Dichloroethane-d4
 Concen: 52.70 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	469159		
67	50.8	0.0	110.4	

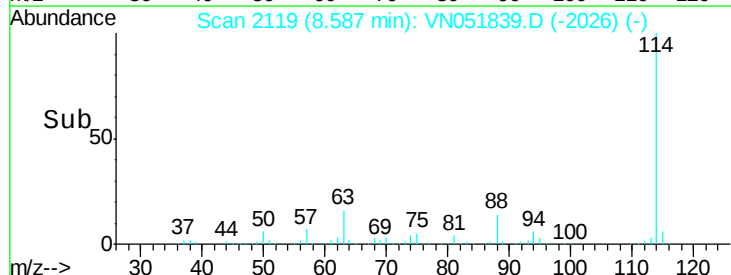
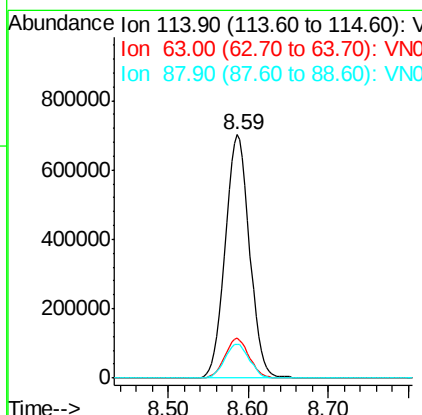
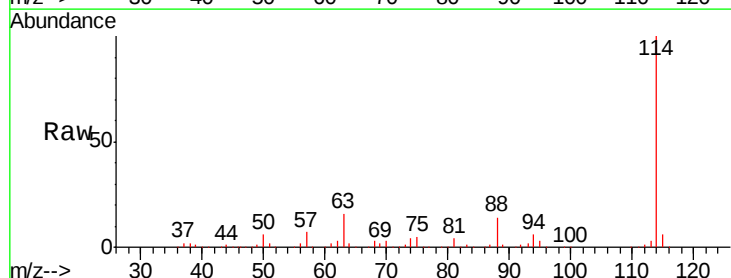
Manual Integrations
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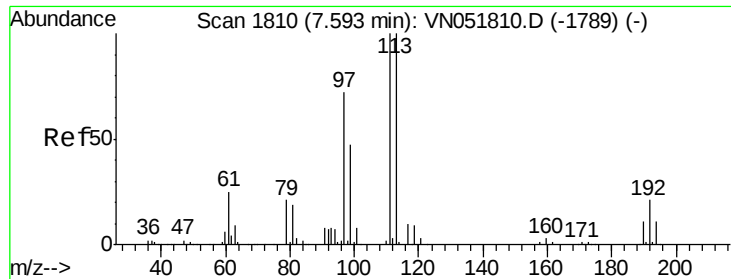
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1460069		
63	16.2	0.0	38.6	
88	14.0	0.0	30.6	





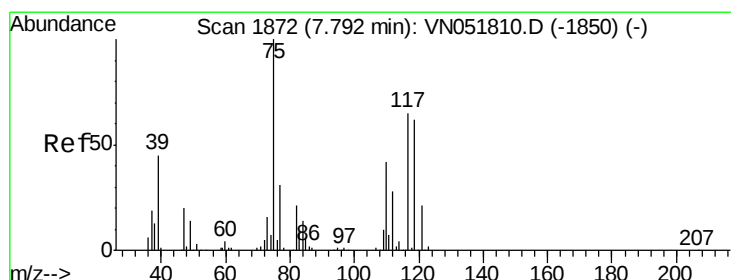
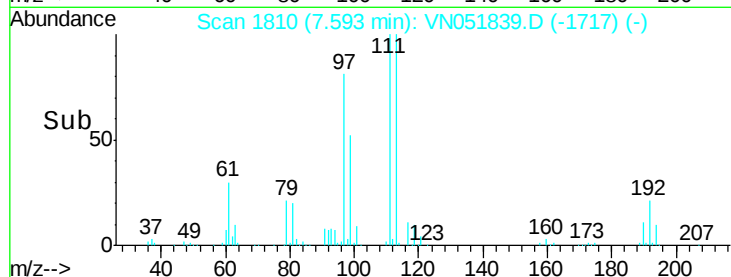
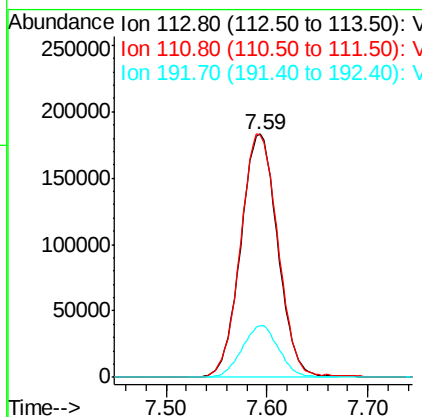
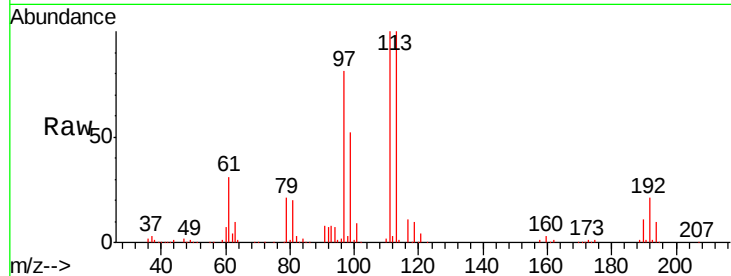
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	123.8
192	21.1	18.0	27.0

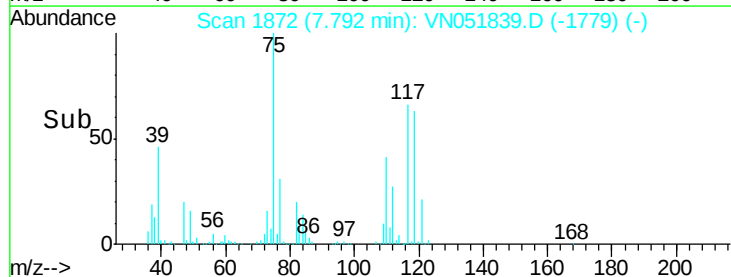
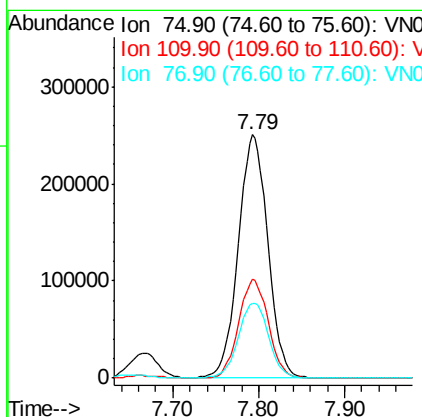
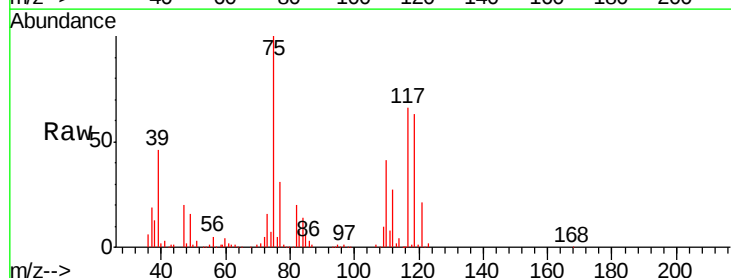
Manual Integrations
APPROVED

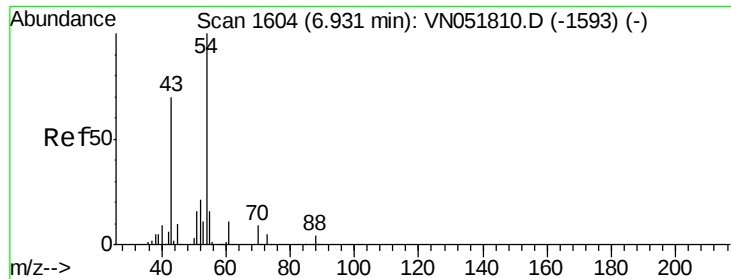
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.57 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.7	18.1	54.4
77	31.9	24.8	37.2





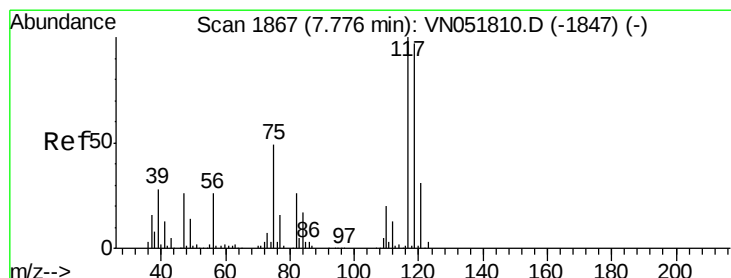
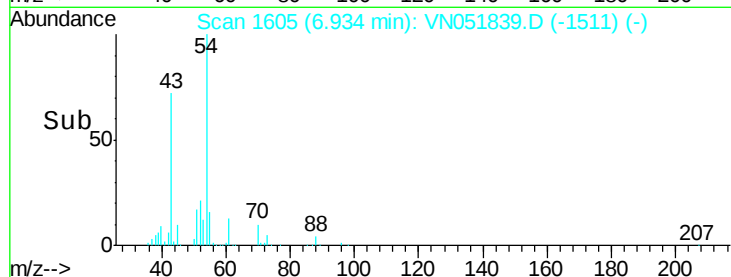
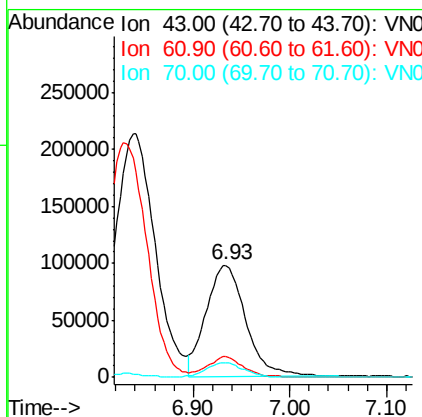
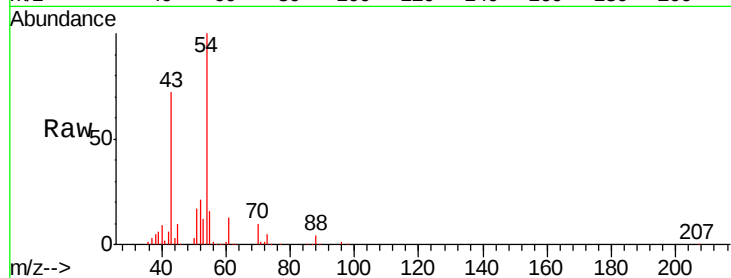
#37
Ethyl Acetate
Concen: 45.79 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.0	18.0
70	12.9	8.6	13.0

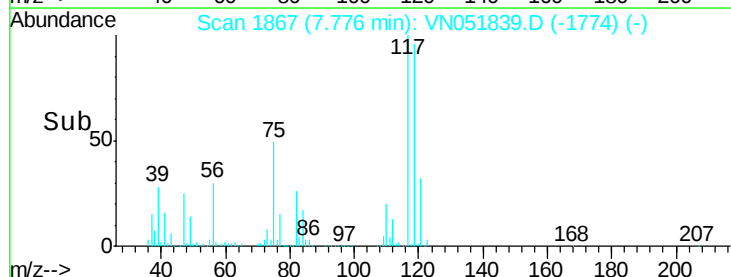
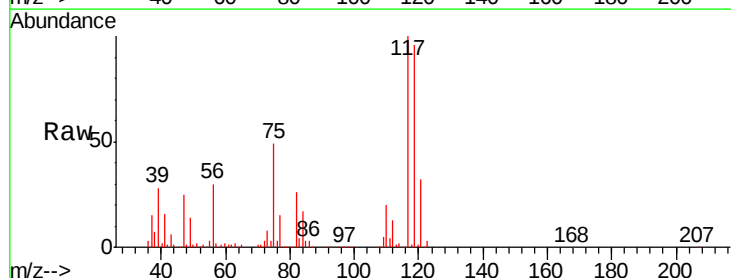
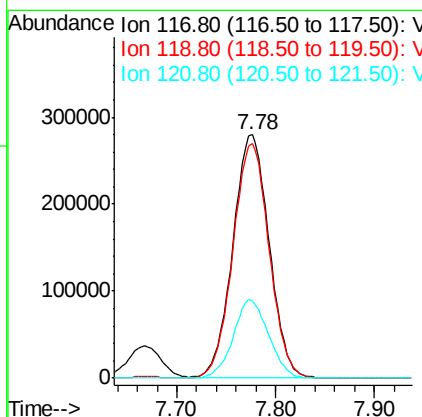
Manual Integrations
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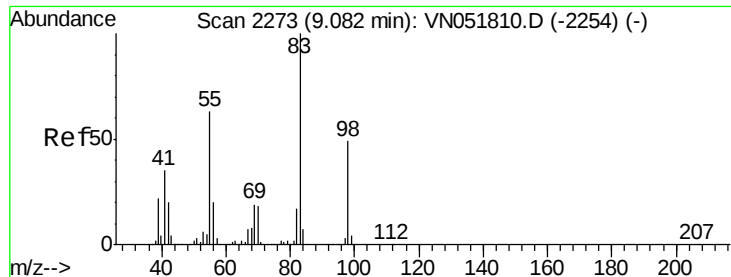
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#38
Carbon Tetrachloride
Concen: 51.99 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.3	114.5
121	32.0	24.6	36.8





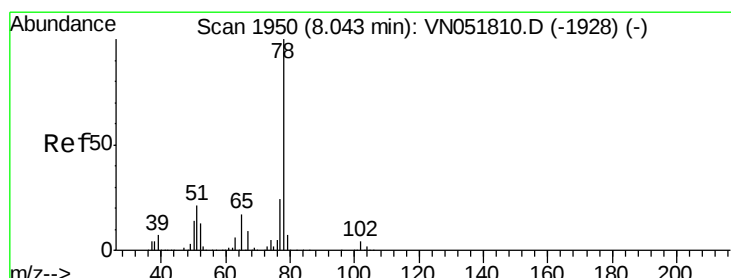
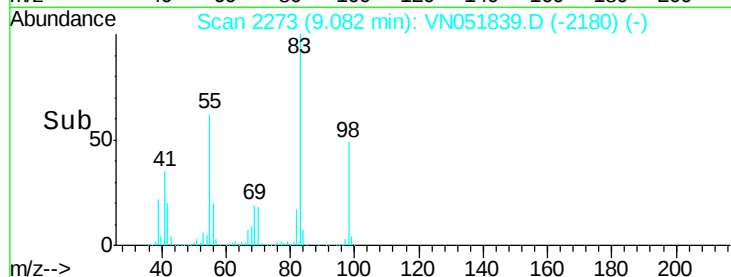
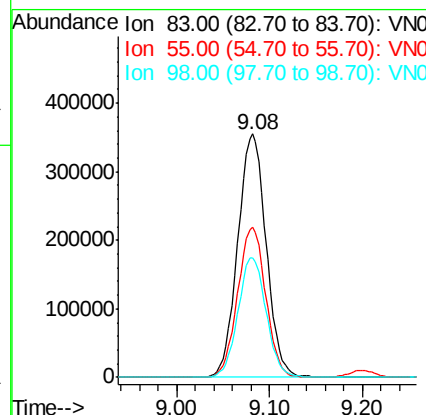
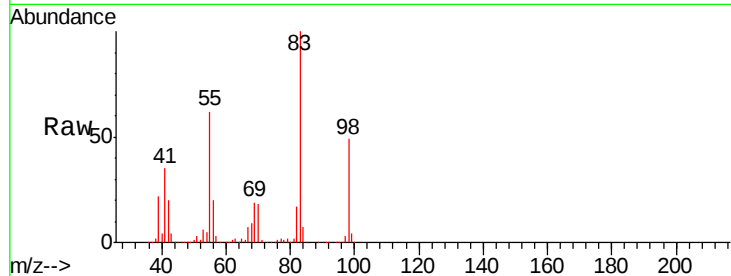
#39
Methylcyclohexane
Concen: 52.00 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	61.8	61.0	91.4
98	49.3	37.5	56.3

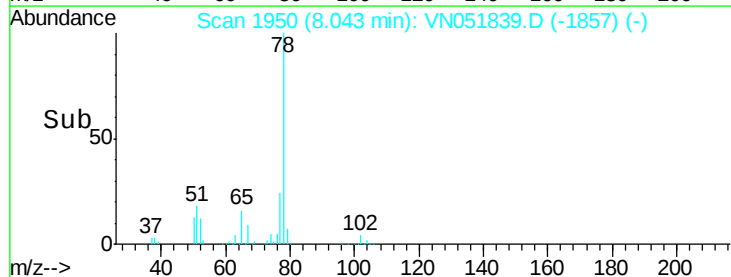
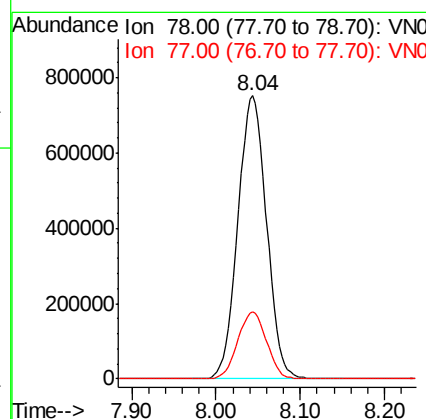
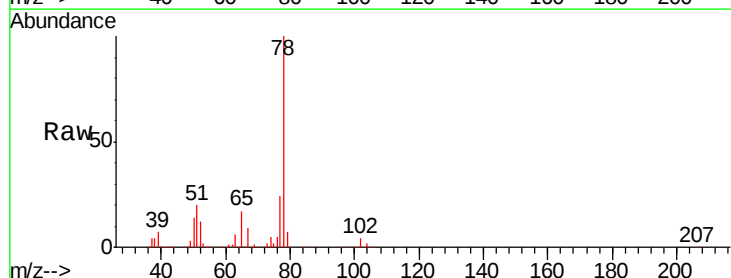
Manual Integrations
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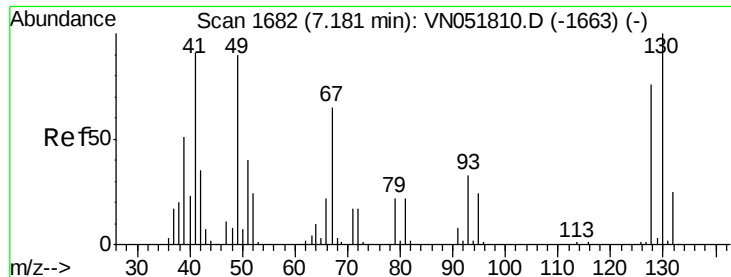
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#40
Benzene
Concen: 52.23 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

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





#41

Methacrylonitrile

Concen: 38.36 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 112230
Ion Ratio Lower Upper

41 100

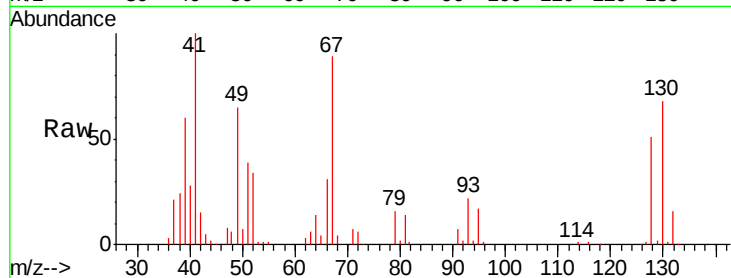
39 67.9 45.4 68.0

67 138.9 70.6 106.0#

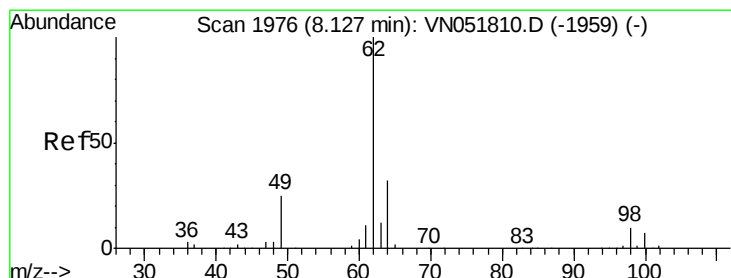
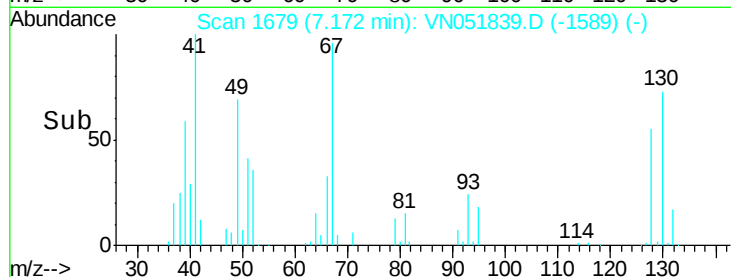
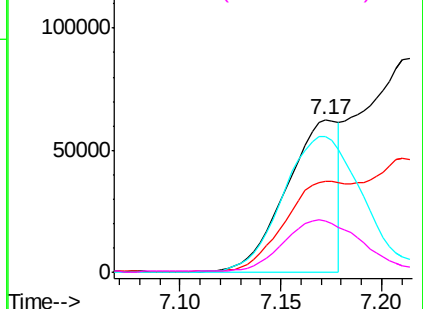
52 51.4 27.1 40.7#

Manual Integrations
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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: 51.35 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

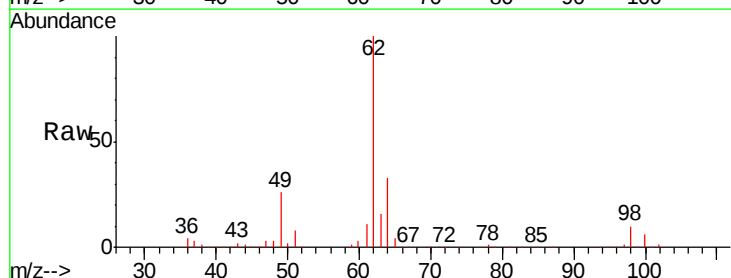
Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

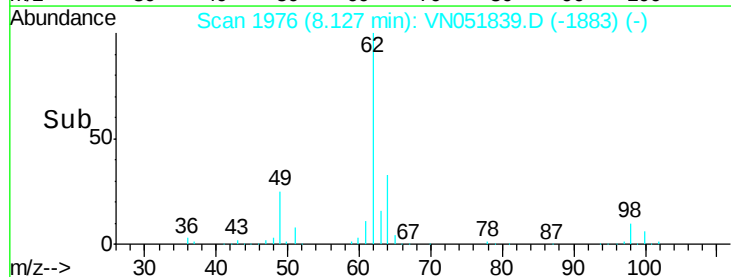
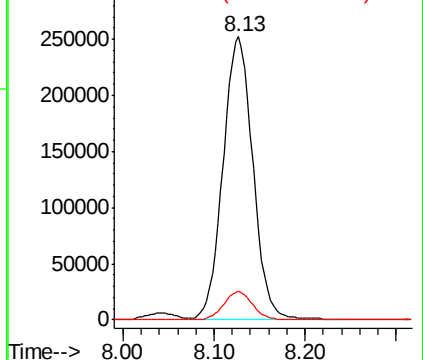
Tgt Ion: 62 Resp: 574027
Ion Ratio Lower Upper

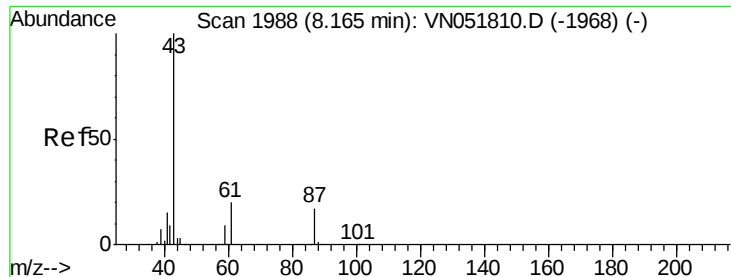
62 100

98 9.7 0.0 19.6



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





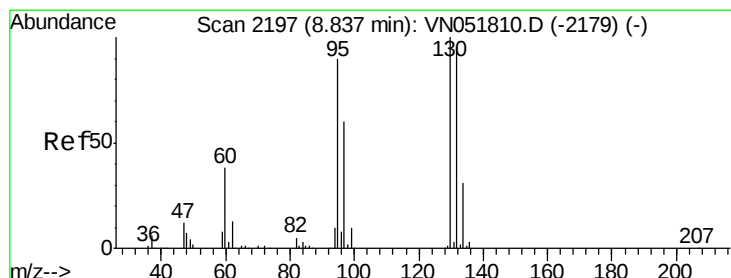
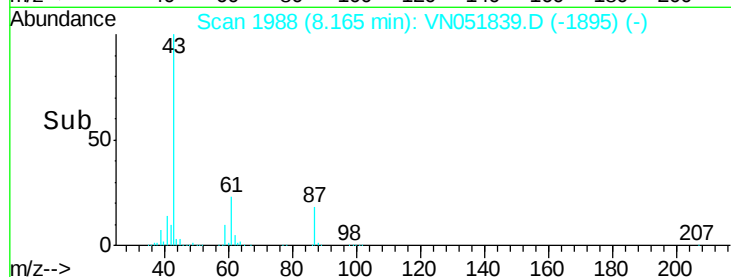
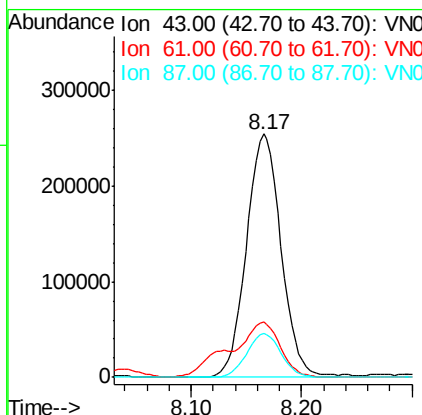
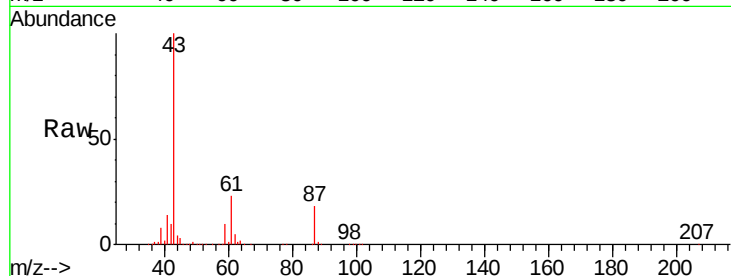
#43
Isopropyl Acetate
Concen: 45.46 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.6	17.5	26.3
87	18.0	11.3	16.9

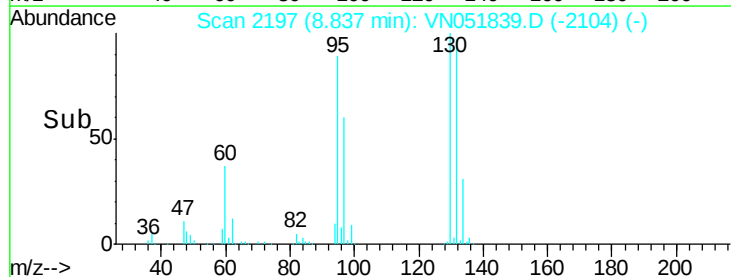
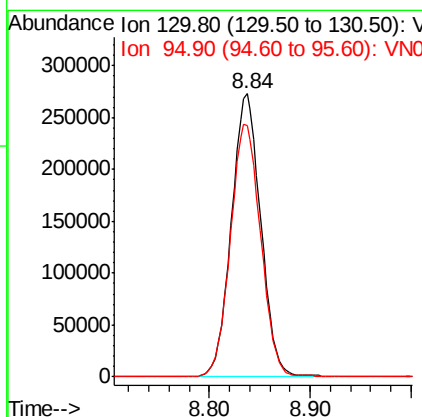
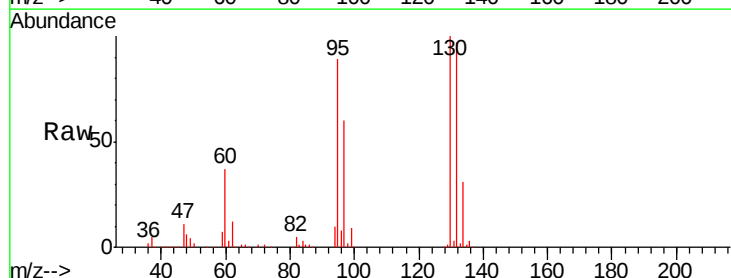
Manual Integrations
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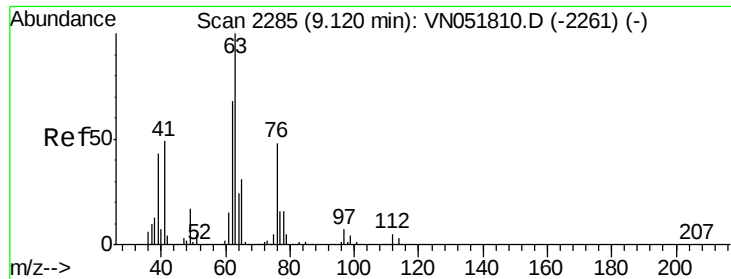
MMDadoda
10/15/2018 11:28:03 AM



#44
Trichloroethene
Concen: 53.19 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	193.0





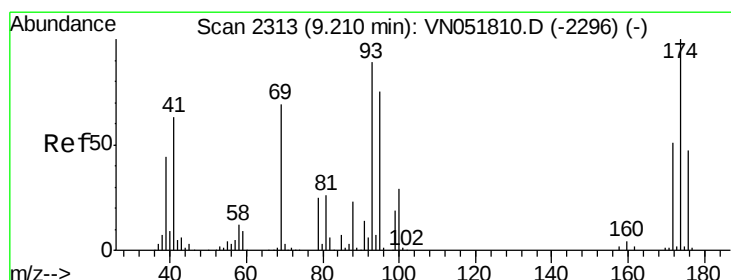
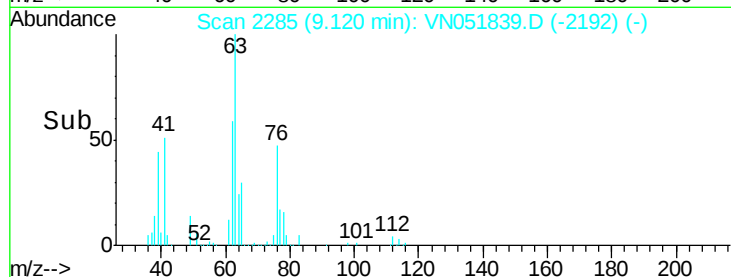
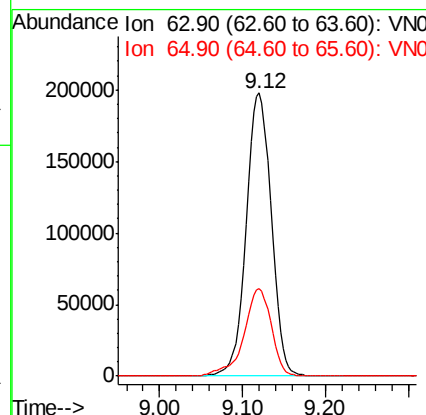
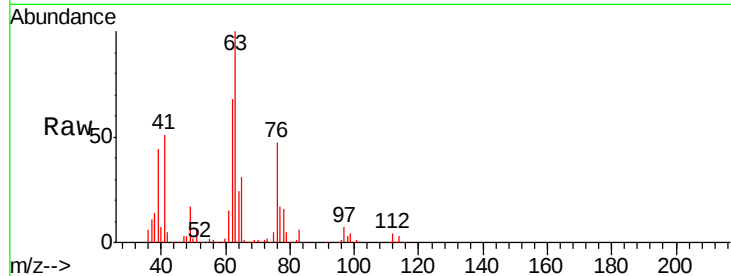
#45
 1,2-Dichloropropane
 Concen: 52.05 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 417273
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

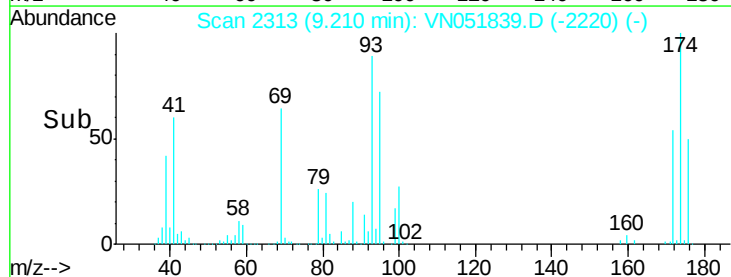
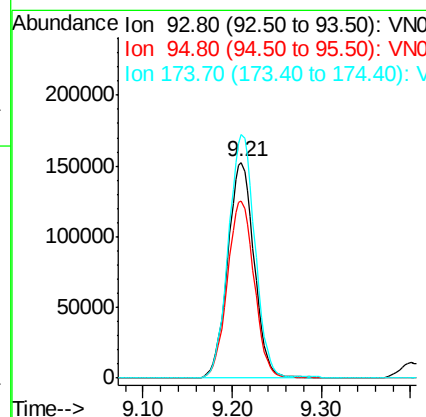
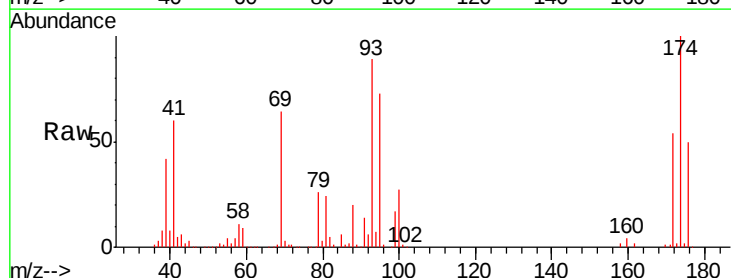
Manual Integrations
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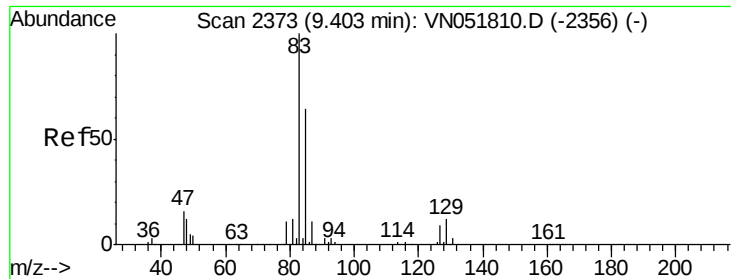
MMDadoda
 10/15/2018 11:28:03 AM



#46
 Dibromomethane
 Concen: 50.94 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 93 Resp: 313392
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 113.4 89.8 134.6





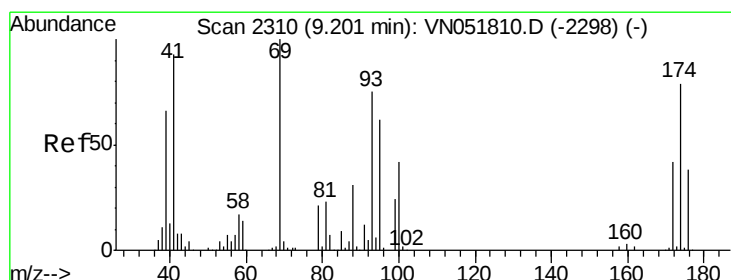
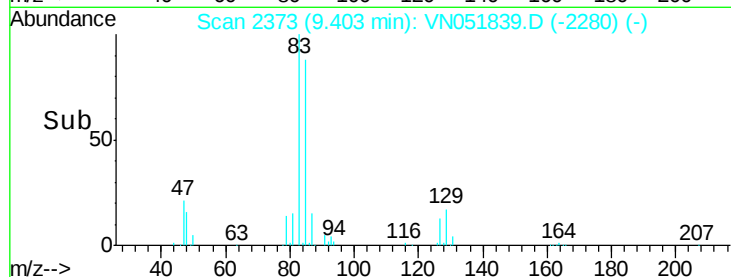
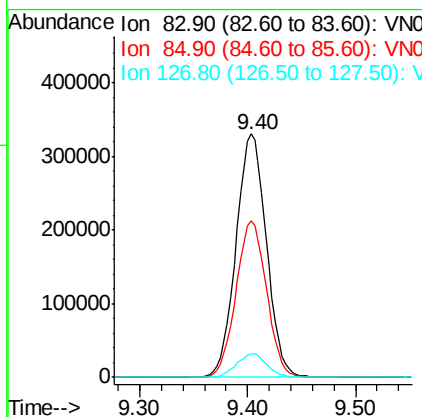
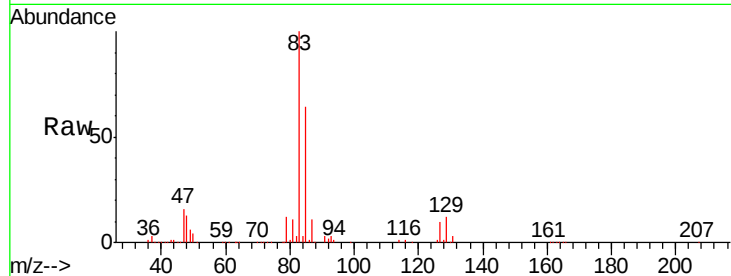
#47
Bromodichloromethane
Concen: 52.72 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.6	78.8
127	9.8	7.2	10.8

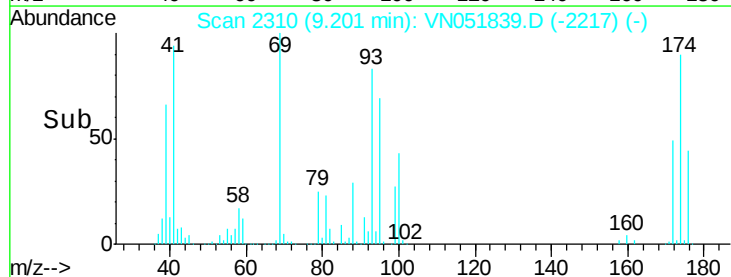
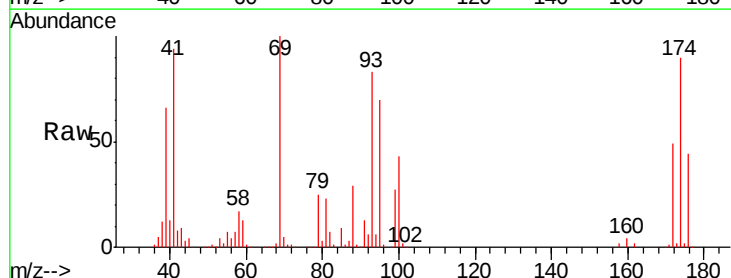
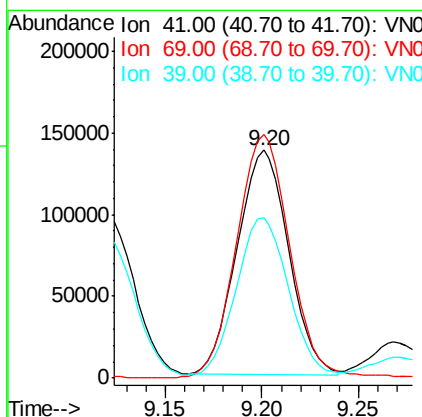
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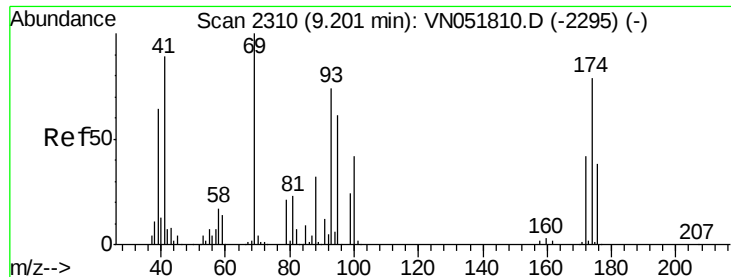
MMDadoda
10/15/2018 11:28:03 AM



#48
Methyl methacrylate
Concen: 47.20 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	111.6	74.7	112.1
39	72.9	42.2	63.2#





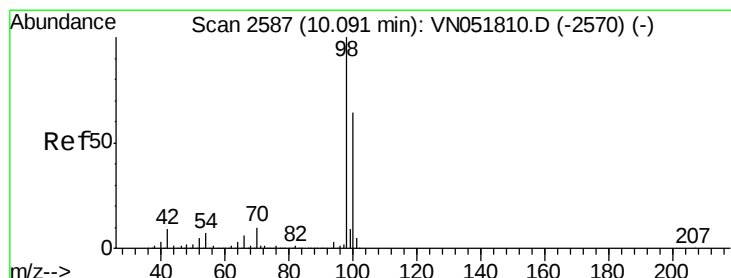
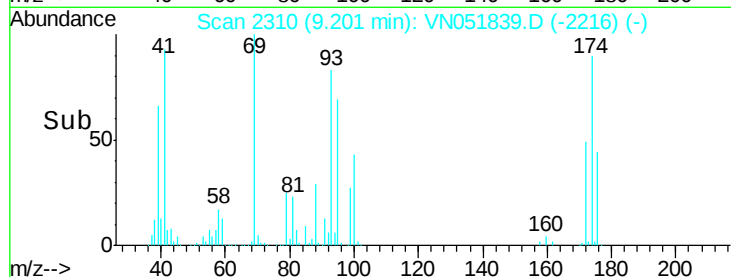
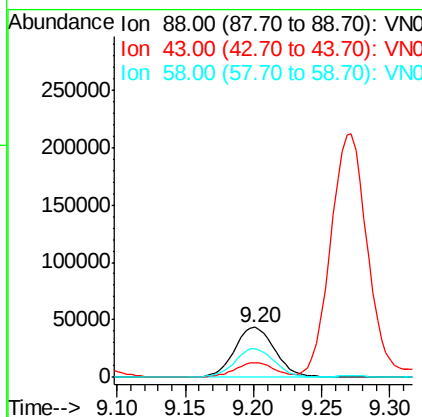
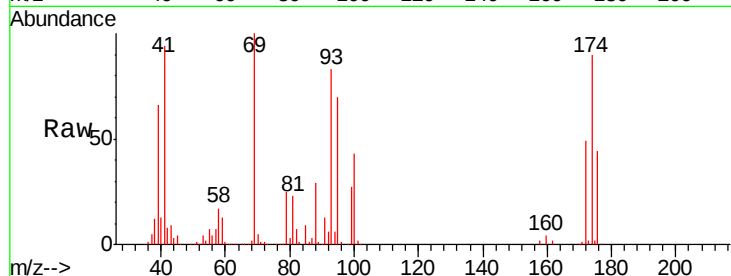
#49
1,4-Dioxane
Concen: 859.79 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.5	25.9	38.9
58	56.1	55.0	82.4

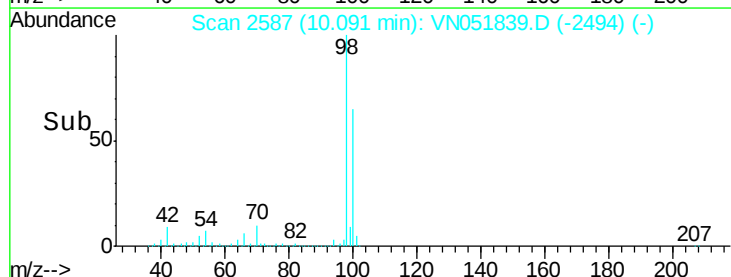
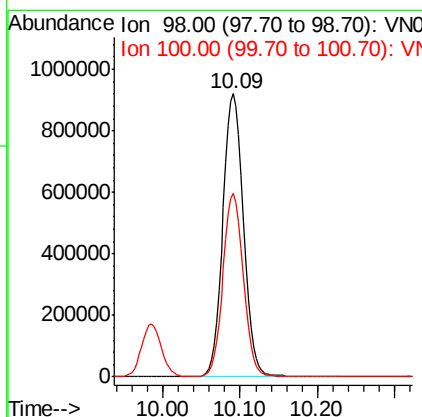
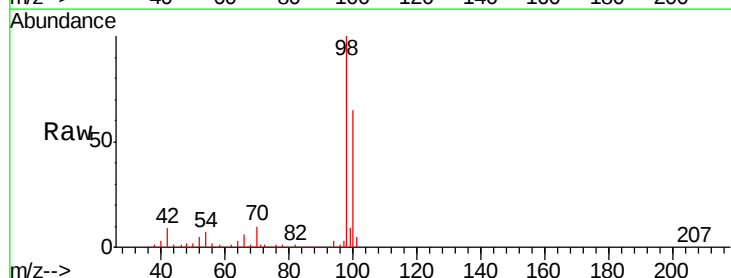
Manual Integrations
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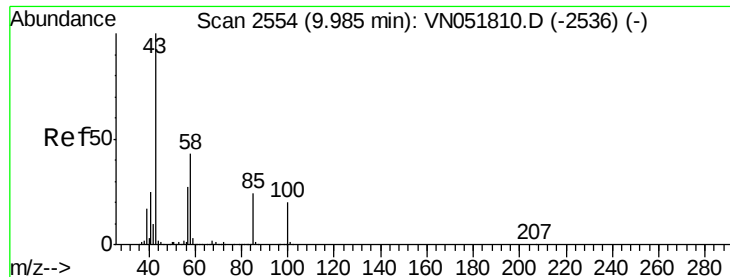
MMDadoda
10/15/2018 11:28:03 AM



#50
Toluene-d8
Concen: 859.79 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





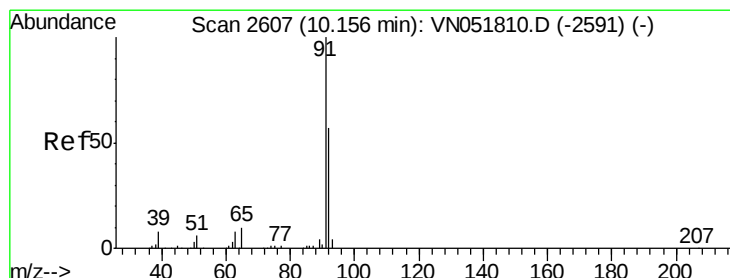
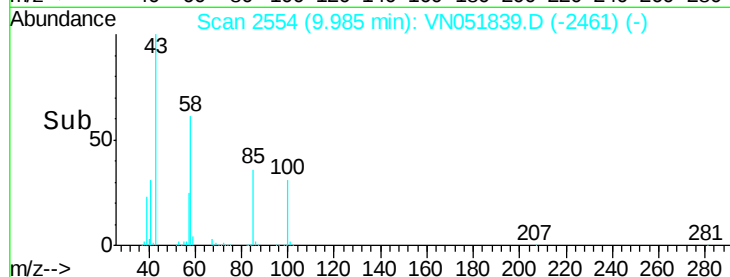
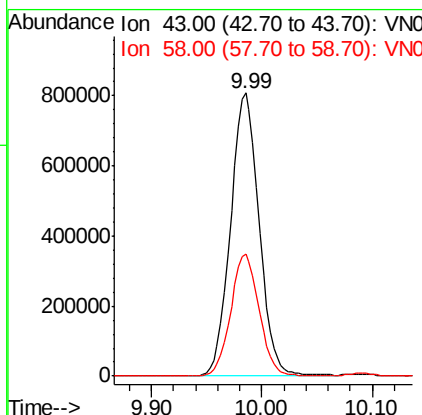
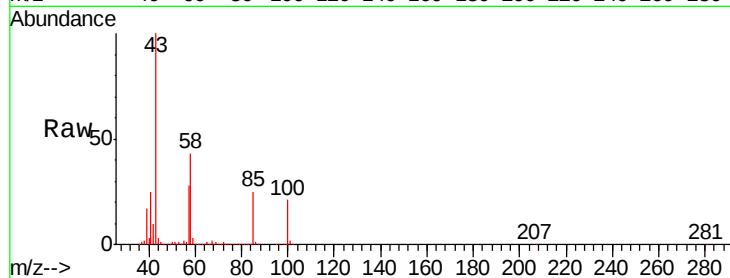
#51
 4-Methyl-2-Pentanone
 Concen: 230.81 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1454040
 Ion Ratio Lower Upper
 43 100
 58 42.8 32.4 48.6

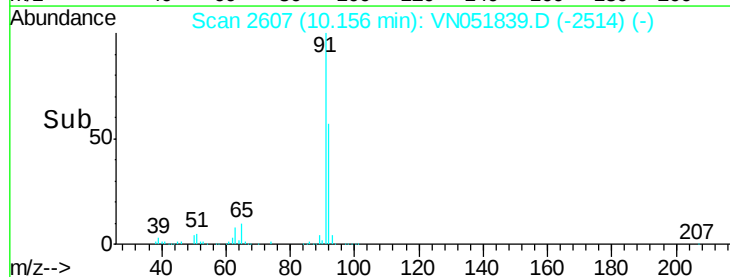
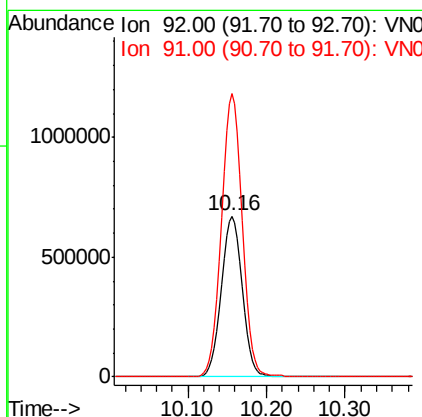
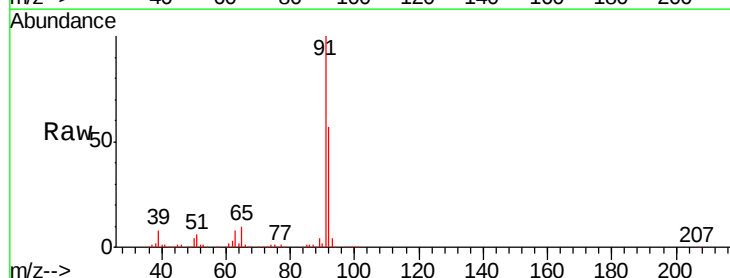
Manual Integrations
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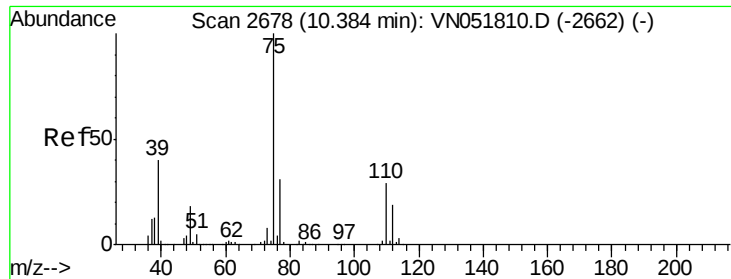
MMDadoda
 10/15/2018 11:28:03 AM



#52
 Toluene
 Concen: 53.71 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 92 Resp: 1229862
 Ion Ratio Lower Upper
 92 100
 91 174.6 140.6 211.0





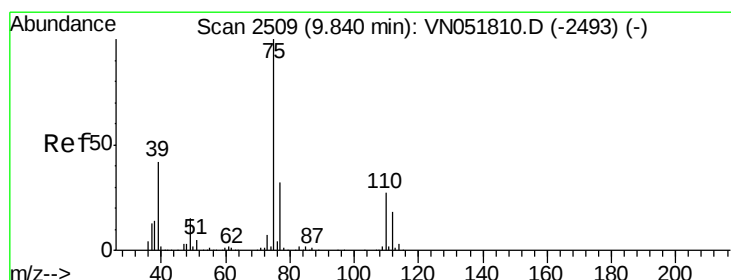
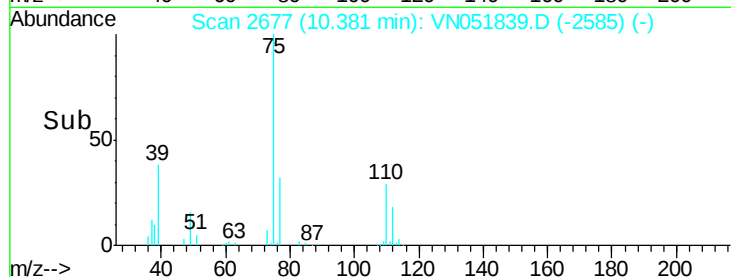
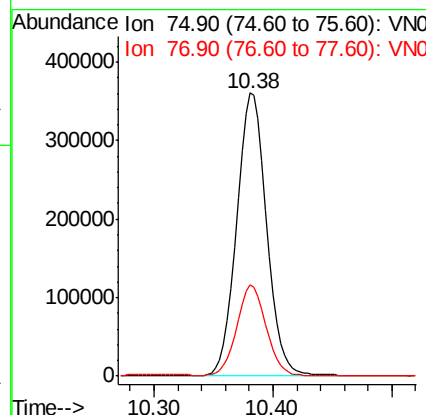
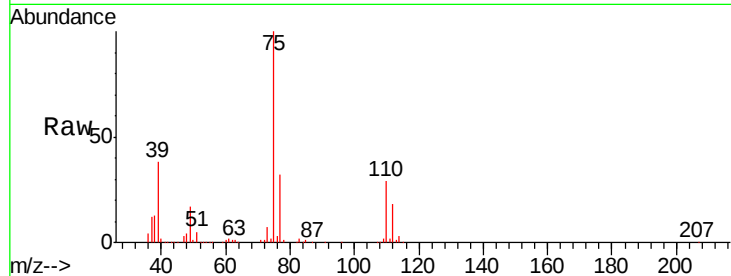
#53
 t-1,3-Dichloropropene
 Concen: 51.13 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 629722
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5

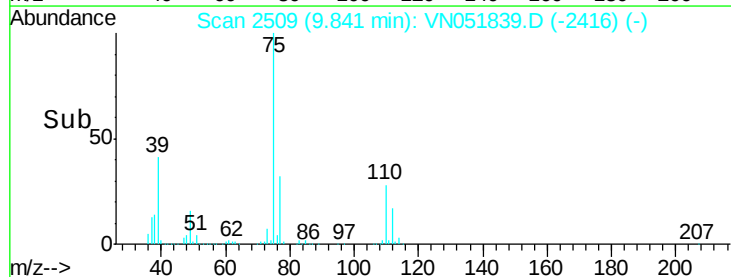
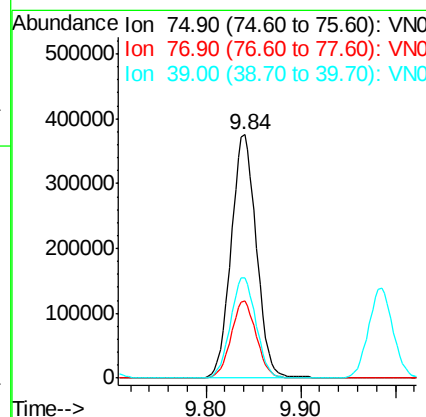
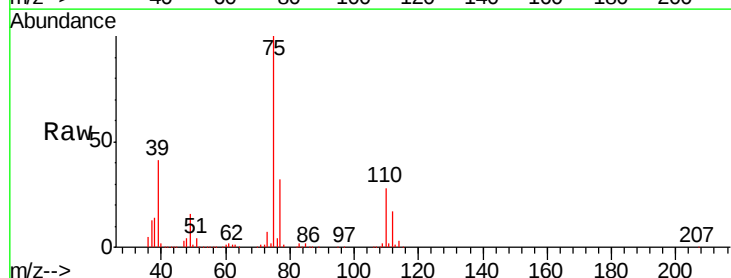
Manual Integrations
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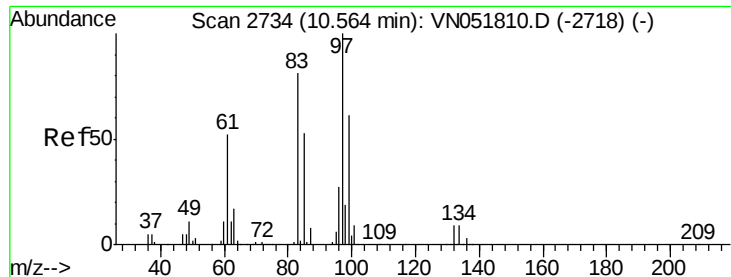
MMDadoda
 10/15/2018 11:28:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.57 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 75 Resp: 697252
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2
 39 41.1 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 51.48 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

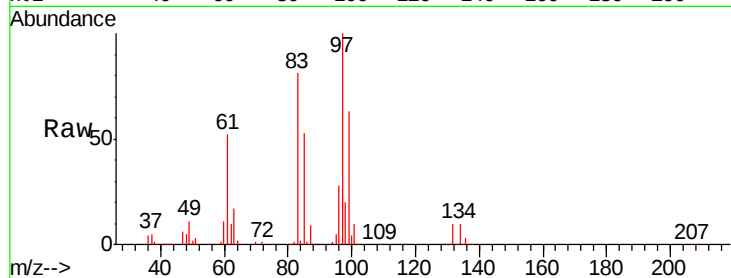
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	443375
Ion	Ratio	Lower	Upper
97	100		
83	81.4	69.7	104.5
85	53.2	44.5	66.7
99	62.6	50.7	76.1

Manual Integrations
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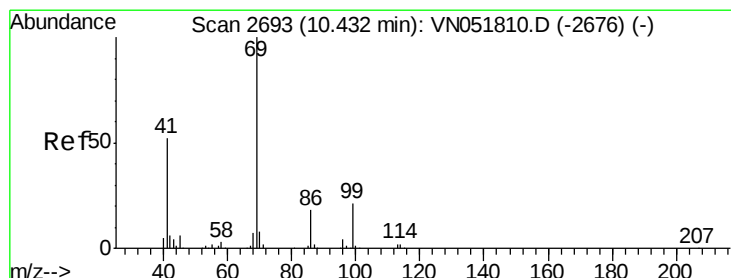
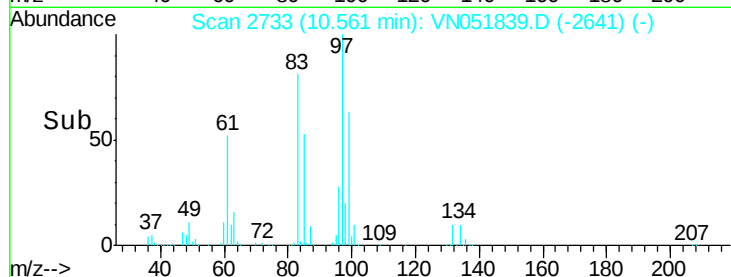
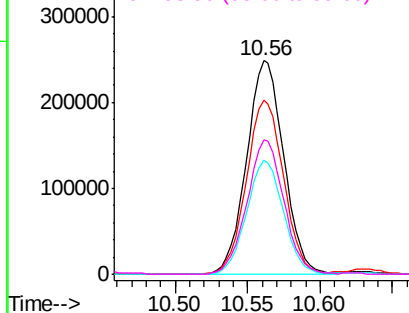


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.76 ug/l

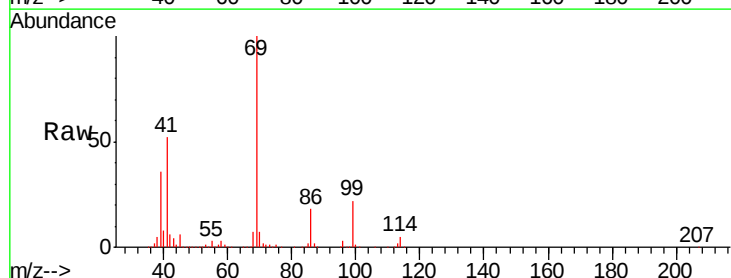
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

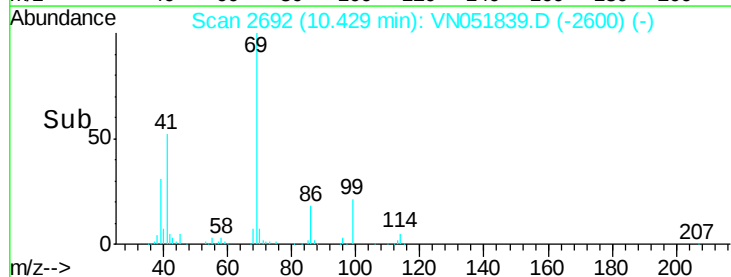
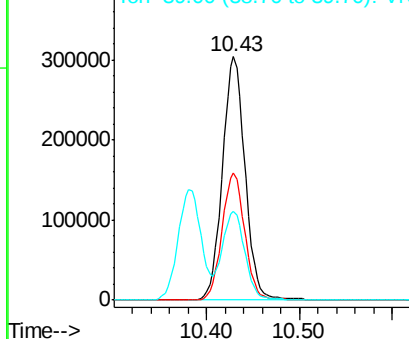
Tgt Ion:	69	Resp:	514900
Ion	Ratio	Lower	Upper
69	100		
41	52.0	48.3	72.5
39	36.6	24.0	36.0#

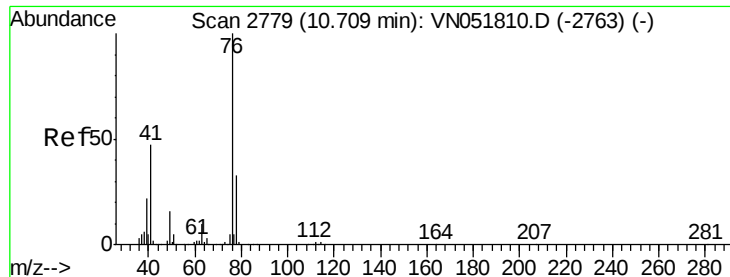


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





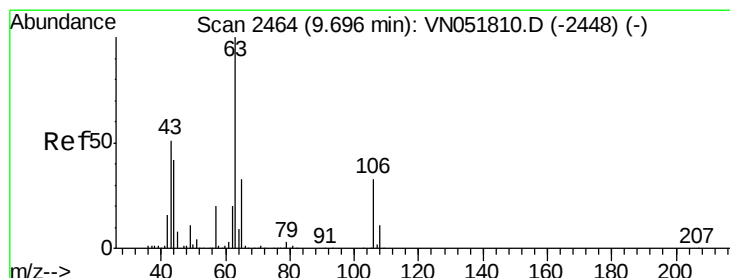
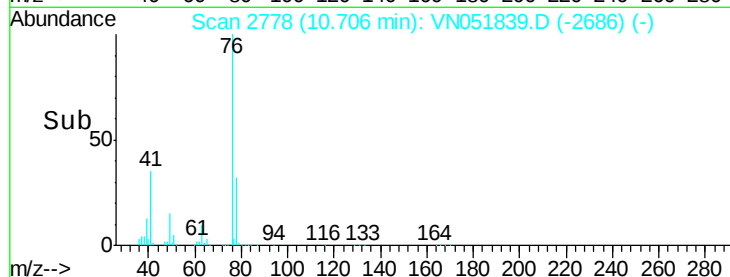
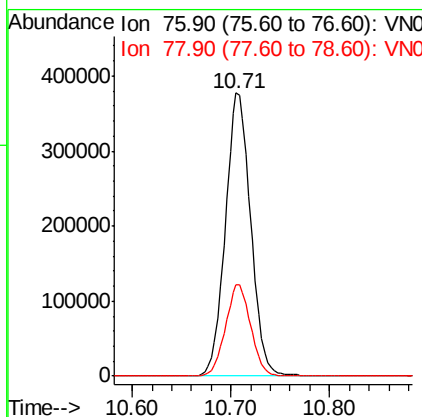
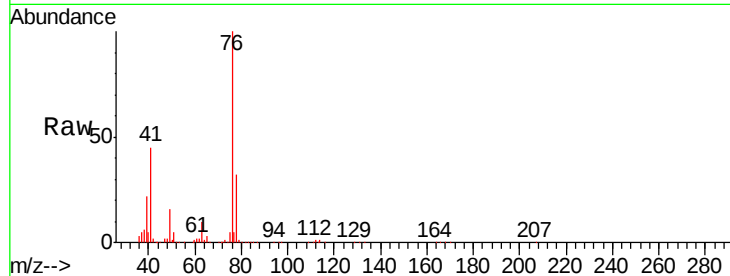
#57
 1,3-Dichloropropane
 Concen: 50.66 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 677932
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

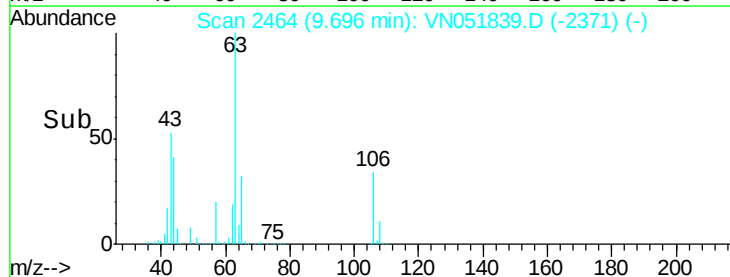
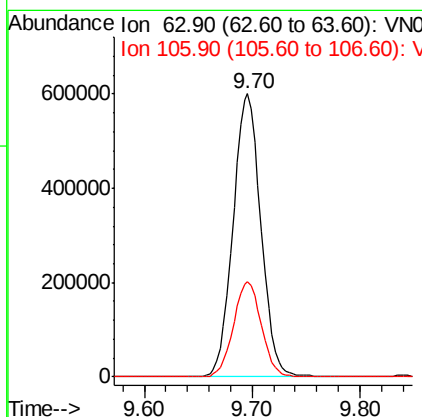
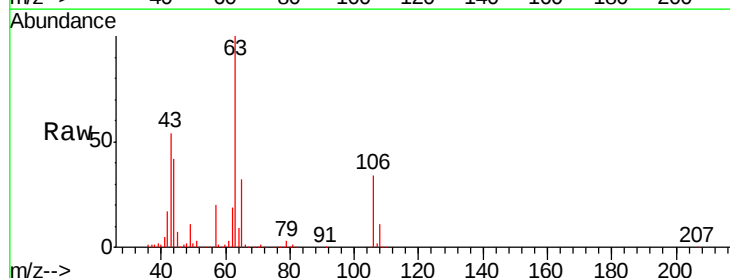
Manual Integrations
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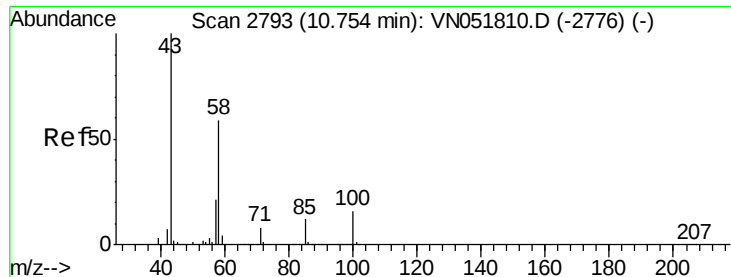
MMDadoda
 10/15/2018 11:28:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.43 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 63 Resp: 1079575
 Ion Ratio Lower Upper
 63 100
 106 33.7 21.9 32.9#





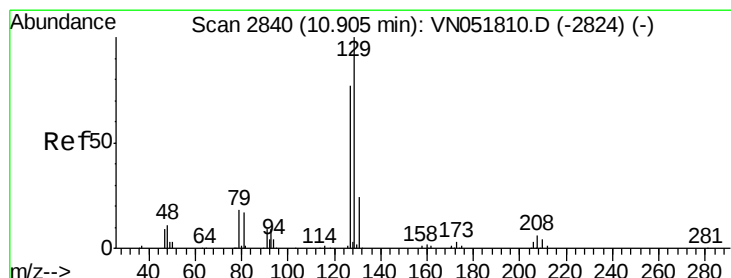
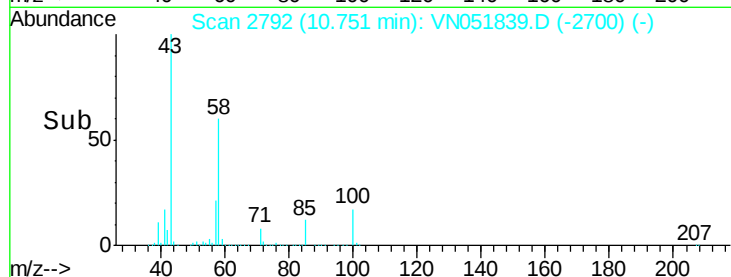
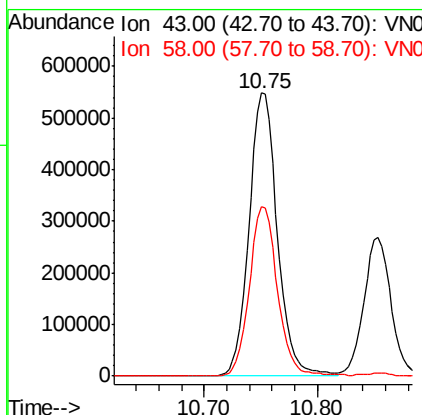
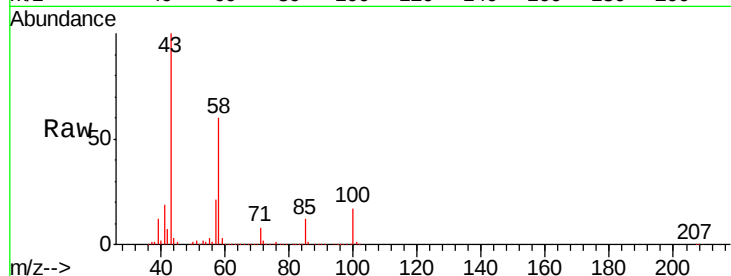
#59
2-Hexanone
Concen: 215.48 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 953417
Ion Ratio Lower Upper
43 100
58 59.7 28.3 85.0

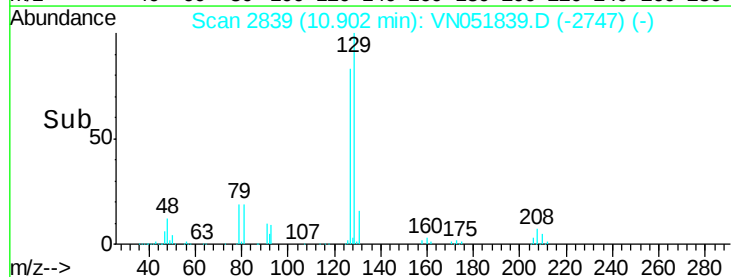
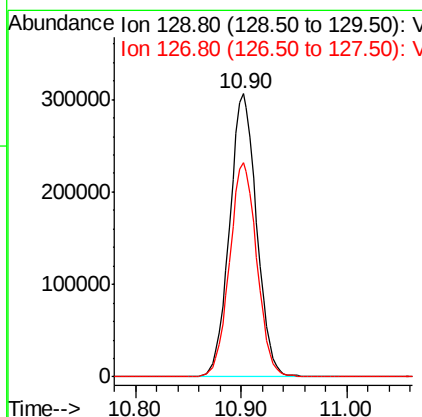
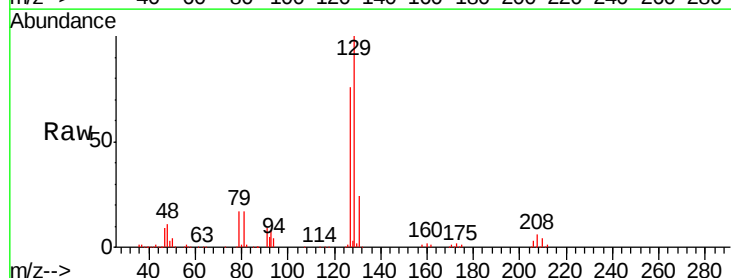
Manual Integrations
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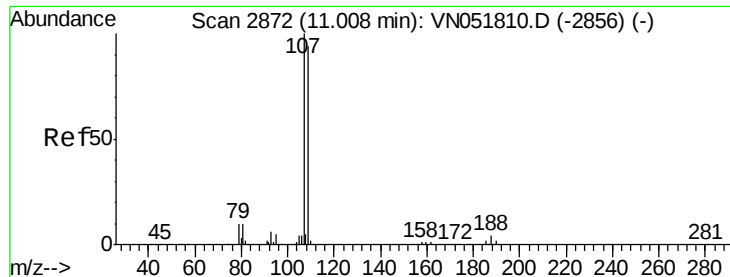
MMDadoda
10/15/2018 11:28:03 AM



#60
Dibromochloromethane
Concen: 53.11 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 129 Resp: 543013
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.9





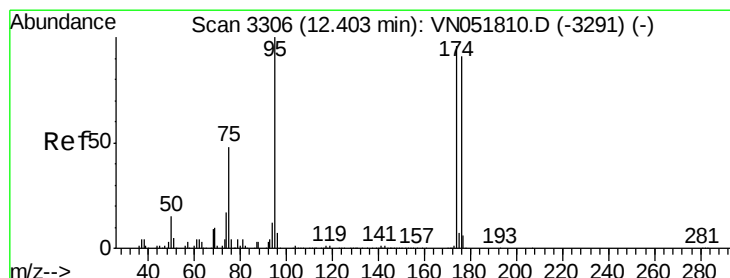
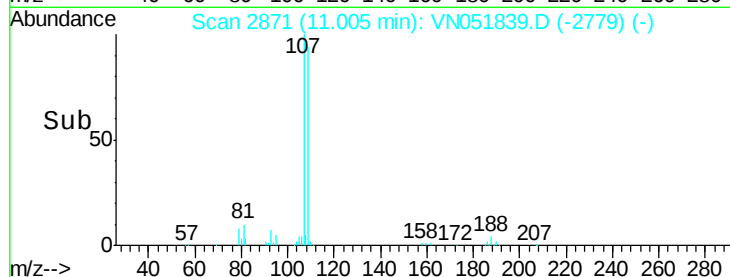
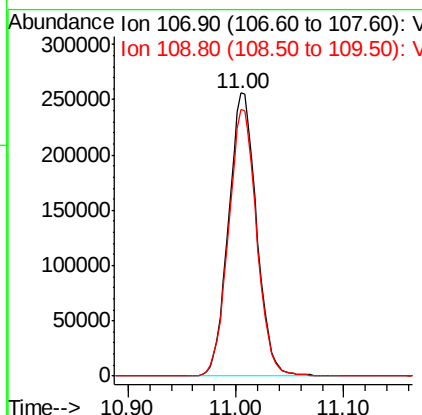
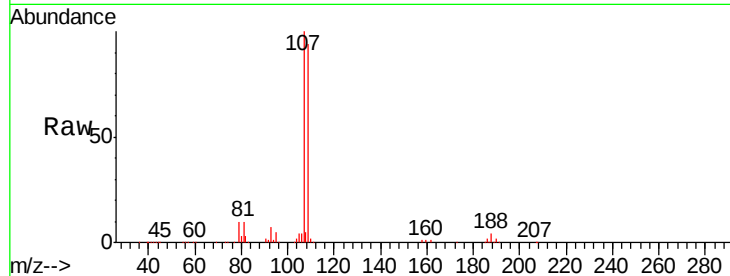
#61
 1,2-Dibromoethane
 Concen: 52.45 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 465298
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2

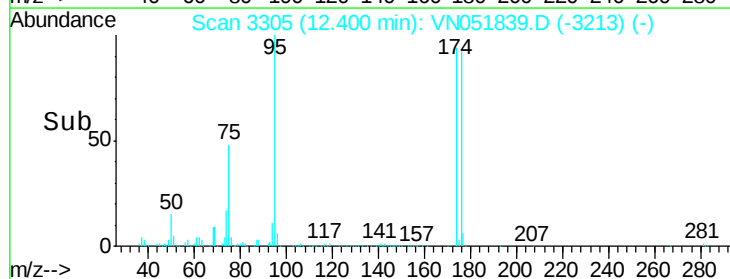
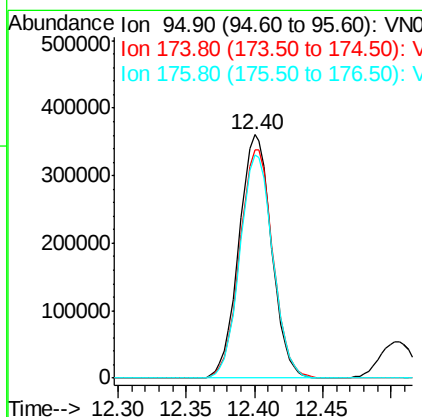
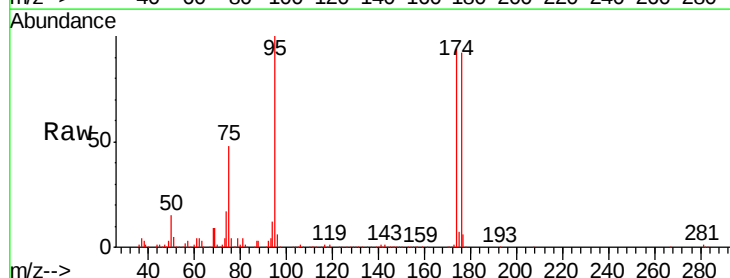
Manual Integrations
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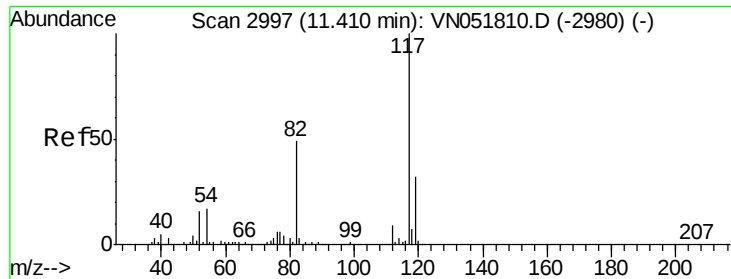
MMDadoda
 10/15/2018 11:28:03 AM



#62
 4-Bromofluorobenzene
 Concen: 52.45 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 95 Resp: 598961
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 183.0
 176 92.4 0.0 178.8





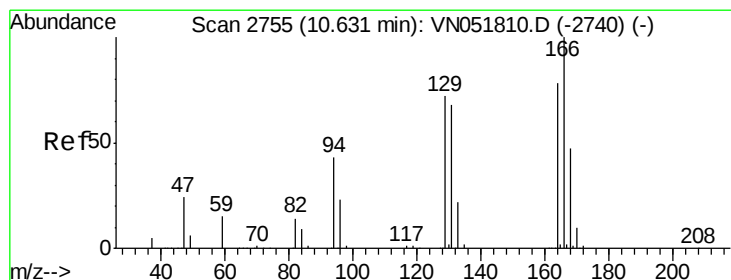
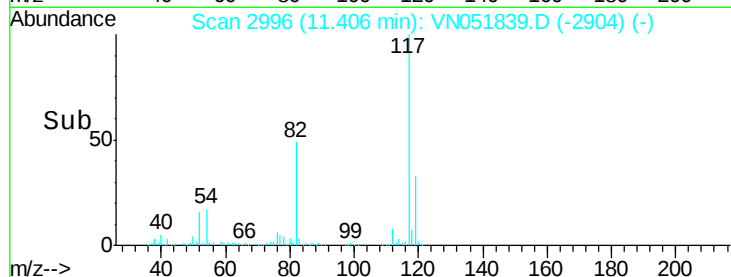
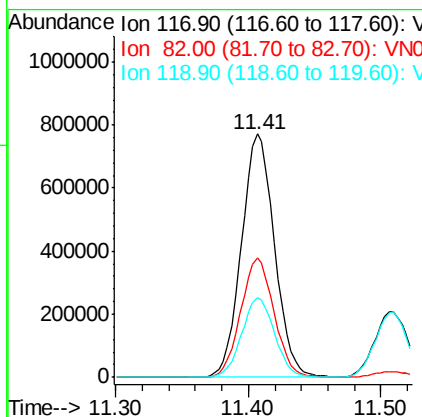
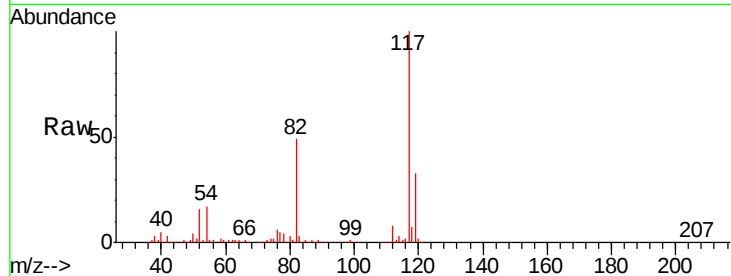
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1333852
Ion Ratio Lower Upper
117 100
82 48.8 42.6 64.0
119 32.6 25.8 38.6

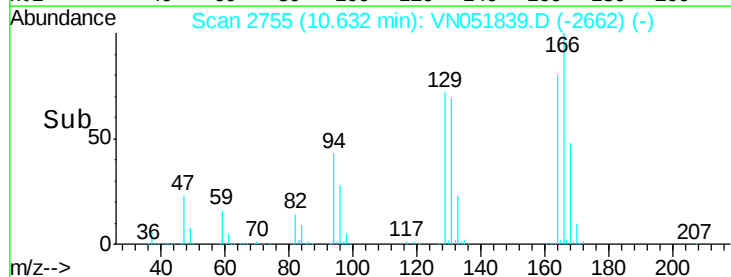
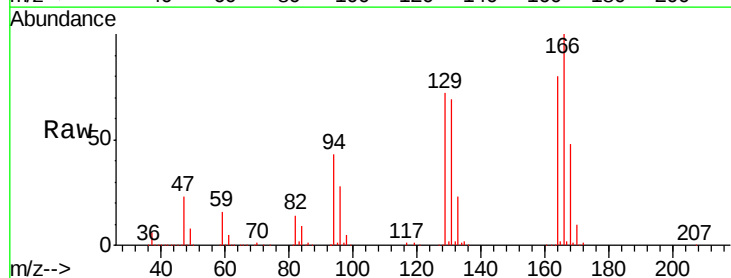
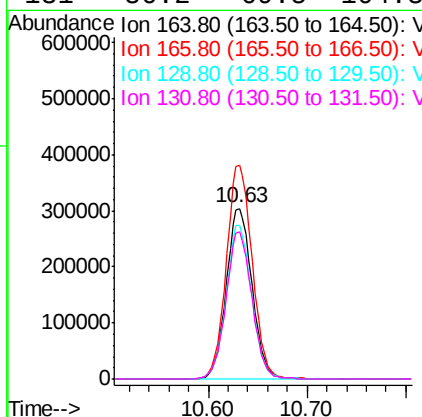
Manual Integrations
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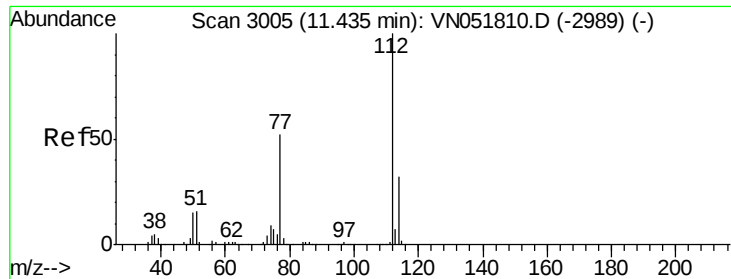
MMDadoda
10/15/2018 11:28:03 AM



#64
Tetrachloroethene
Concen: 54.25 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion:164 Resp: 554975
Ion Ratio Lower Upper
164 100
166 125.3 103.5 155.3
129 90.3 72.7 109.1
131 86.2 69.5 104.3





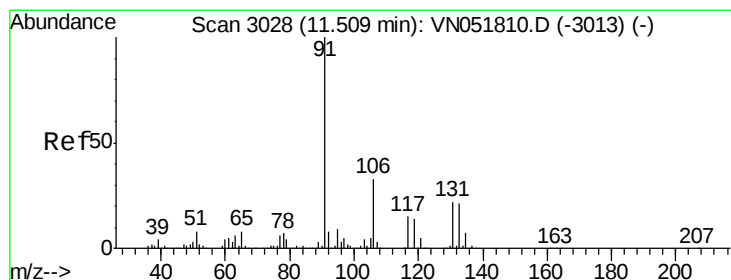
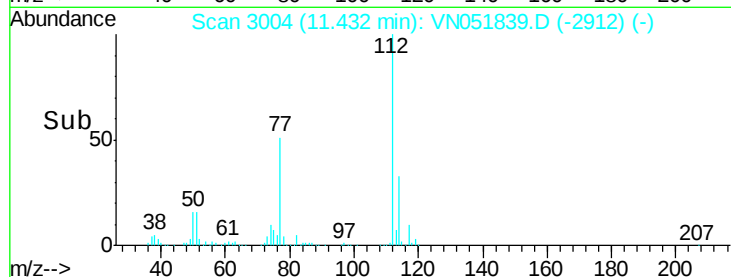
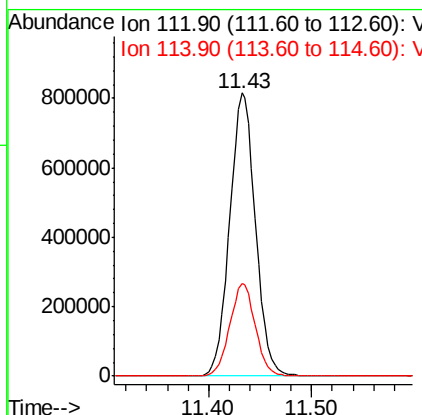
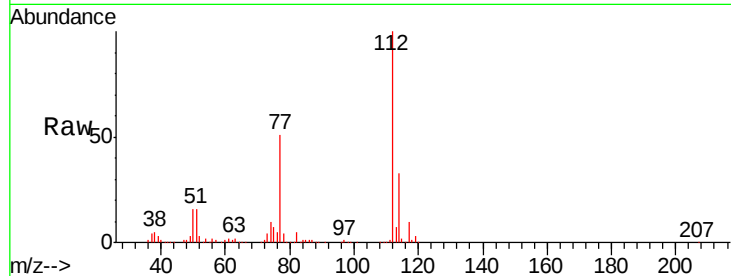
#65
Chlorobenzene
Concen: 52.61 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1419278
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

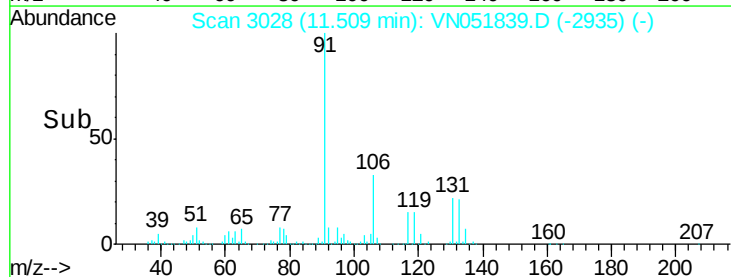
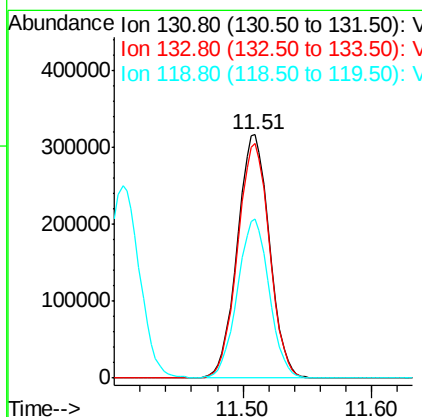
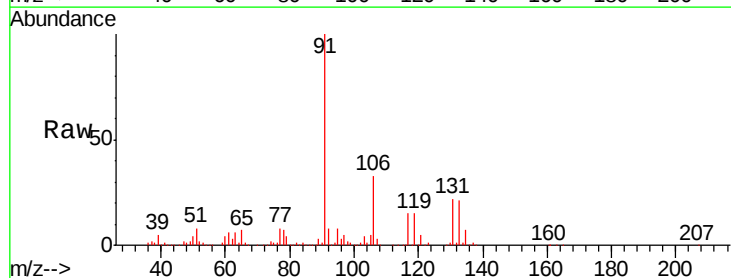
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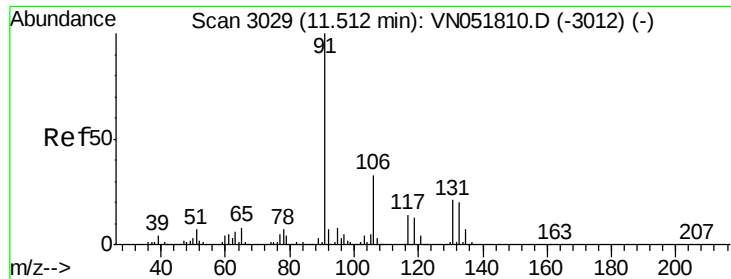
MMDadoda
10/15/2018 11:28:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.41 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion:131 Resp: 549112
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.3
119 64.7 32.8 98.4





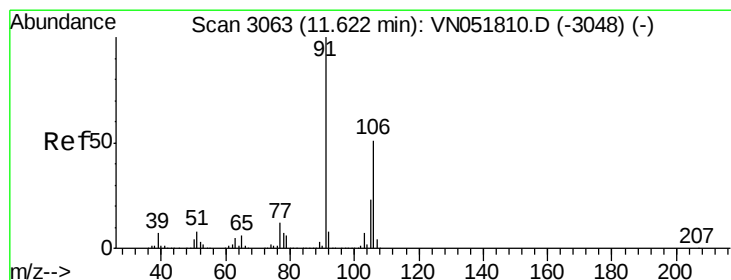
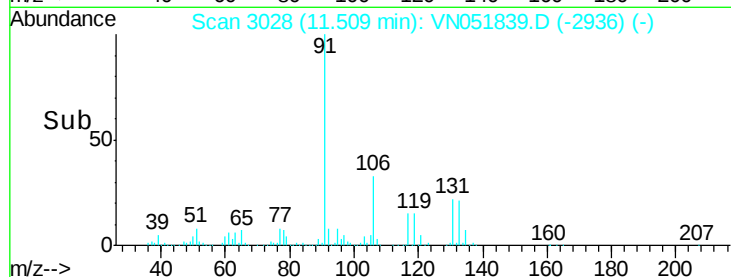
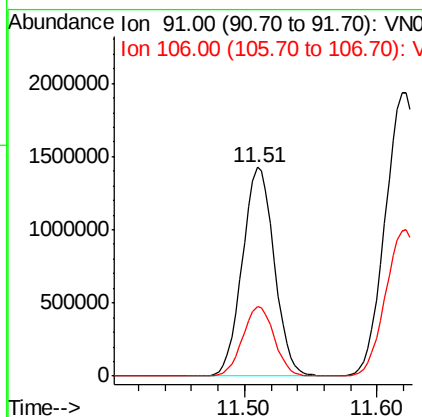
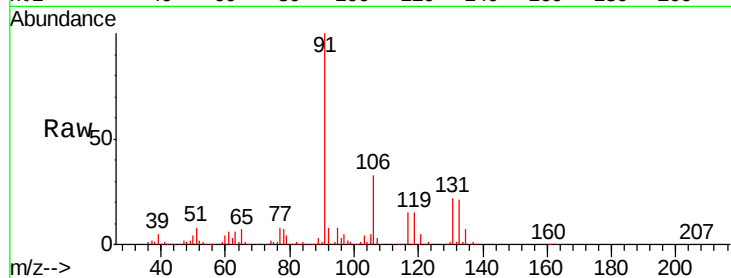
#67
Ethyl Benzene
Concen: 53.53 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2390299
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.4

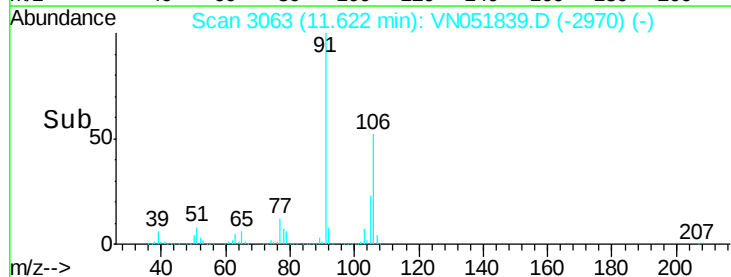
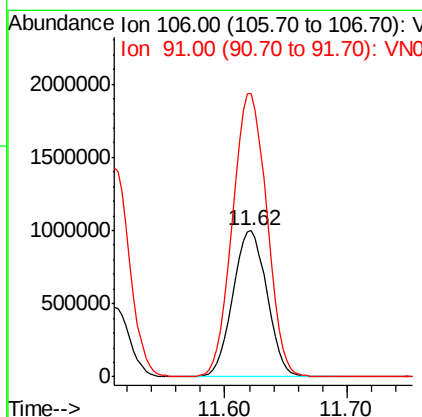
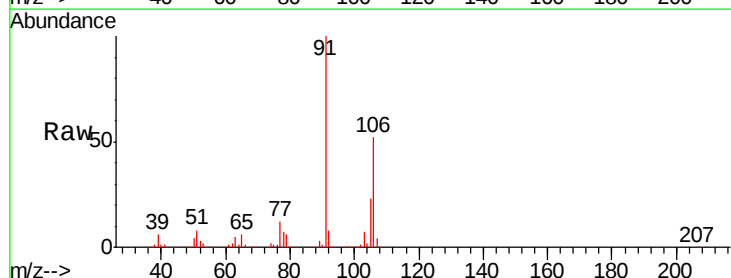
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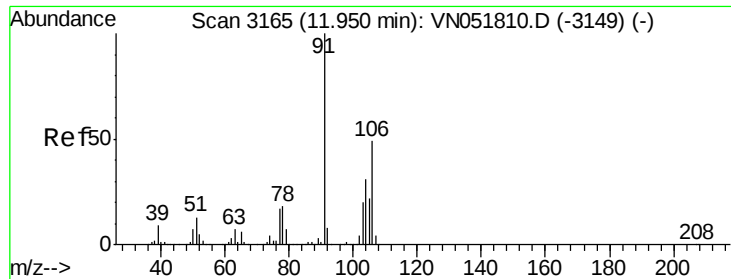
MMDadoda
10/15/2018 11:28:03 AM



#68
m/p-Xylenes
Concen: 107.40 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion: 106 Resp: 1937305
Ion Ratio Lower Upper
106 100
91 194.8 161.0 241.6





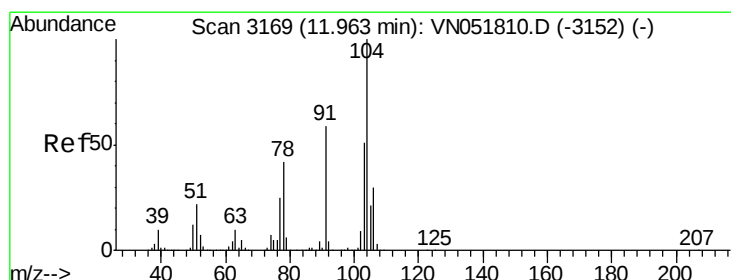
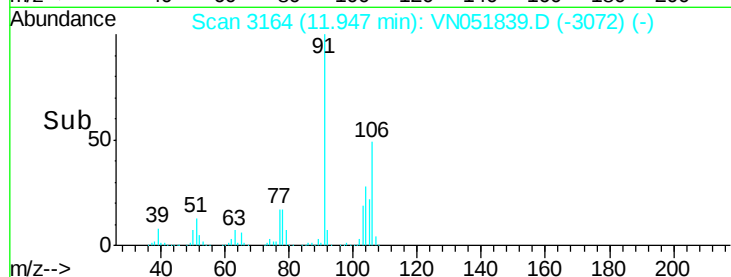
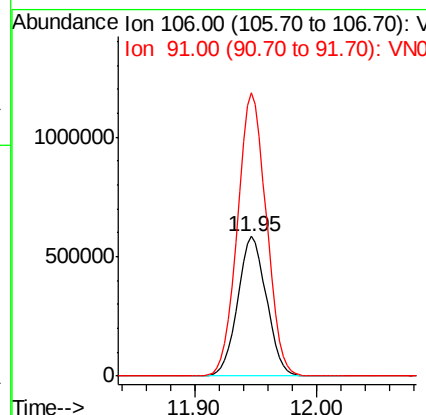
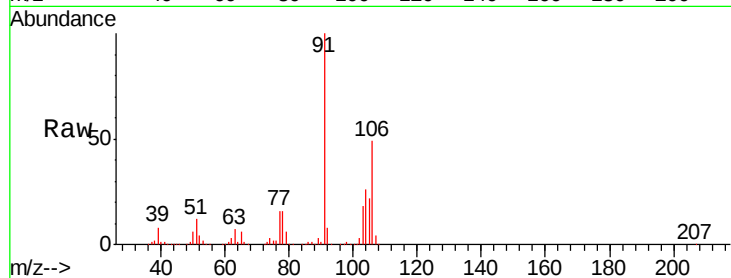
#69
o-Xylene
Concen: 54.47 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 954258
Ion Ratio Lower Upper
106 100
91 203.6 106.5 319.5

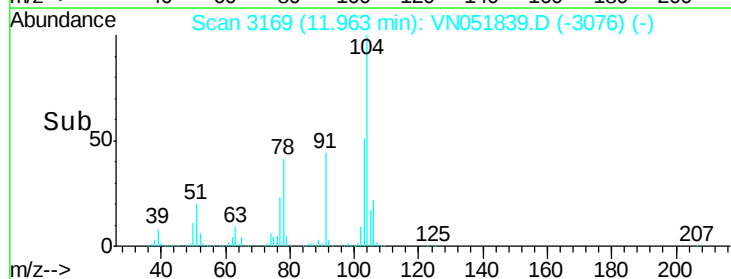
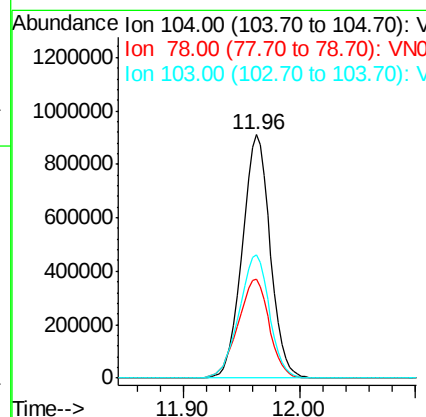
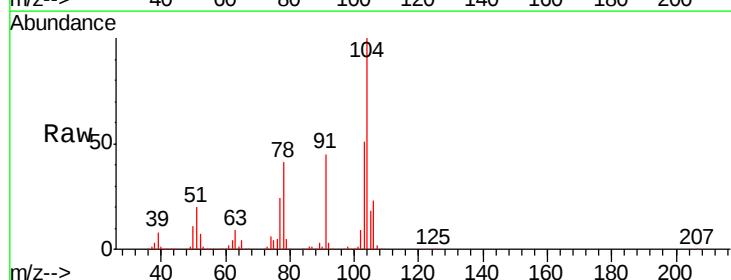
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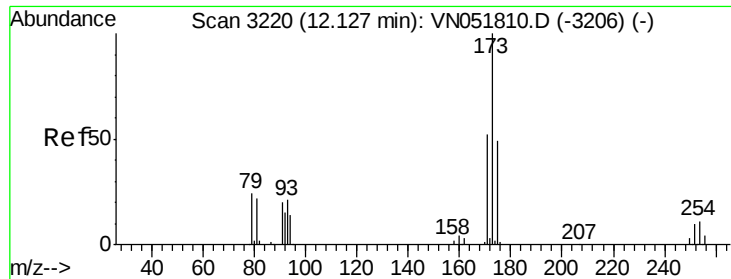
MMDadoda
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#70
Styrene
Concen: 56.03 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion:104 Resp: 1514433
Ion Ratio Lower Upper
104 100
78 45.7 38.2 57.4
103 55.2 44.4 66.6





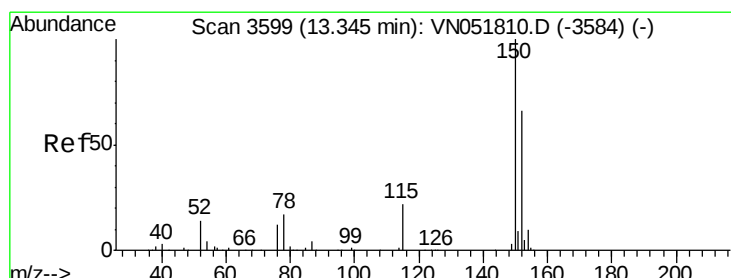
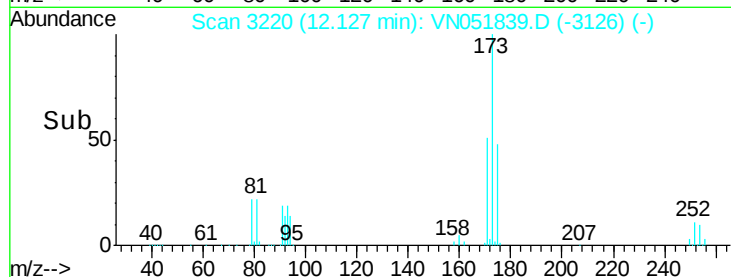
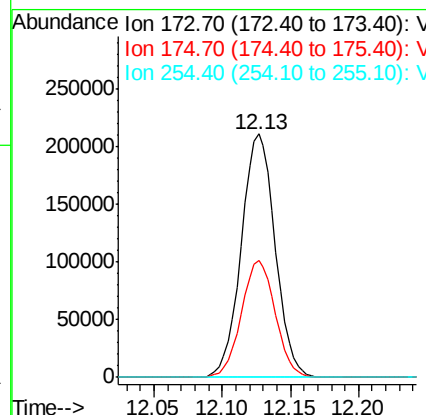
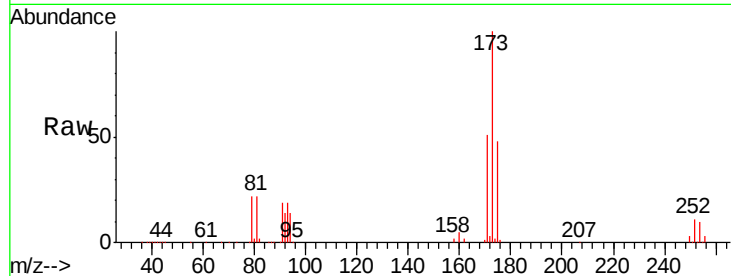
#71
Bromoform
Concen: 45.12 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.4
254	0.1	0.1	0.1

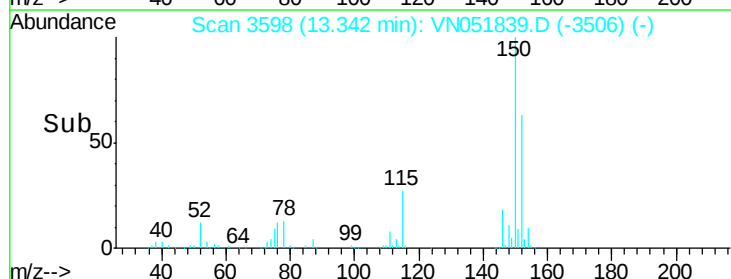
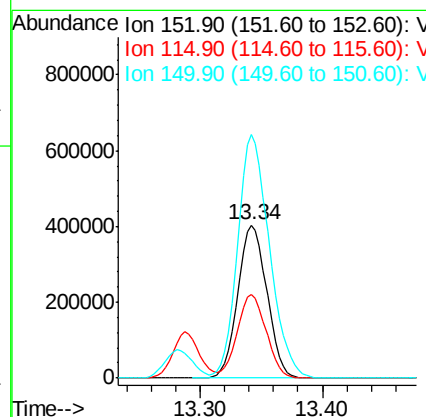
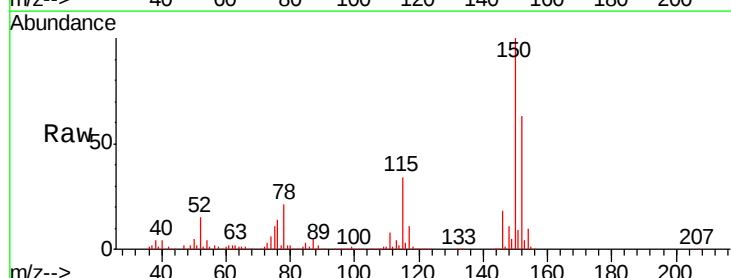
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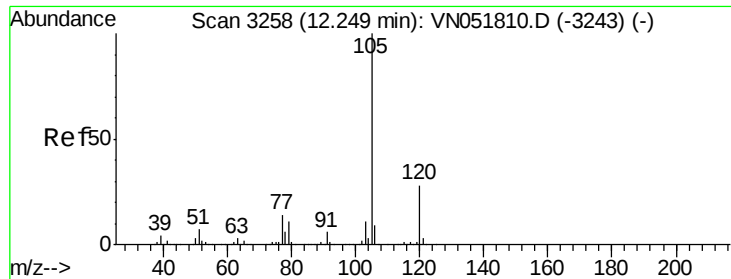
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.8	83.4
150	174.1	0.0	351.4





#73

Isopropylbenzene

Concen: 49.94 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2560225

Ion Ratio Lower Upper

105 100

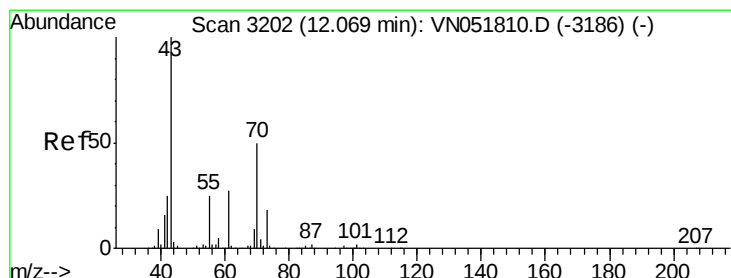
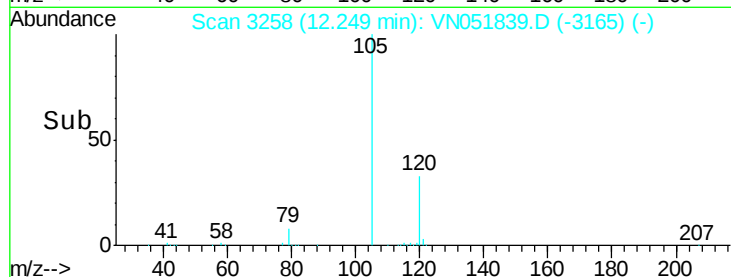
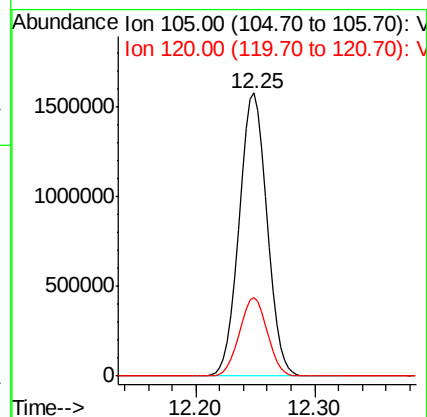
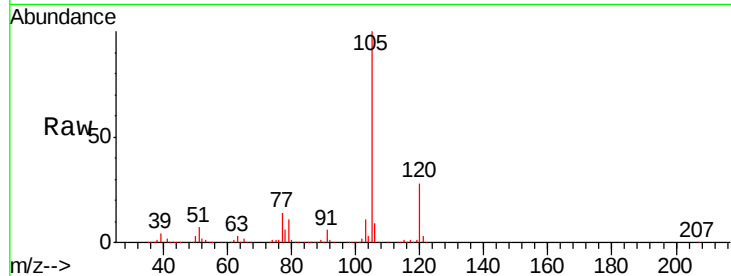
120 27.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 46.35 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Tgt Ion: 43 Resp: 471214

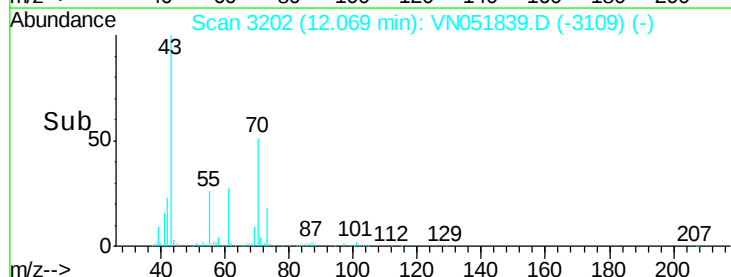
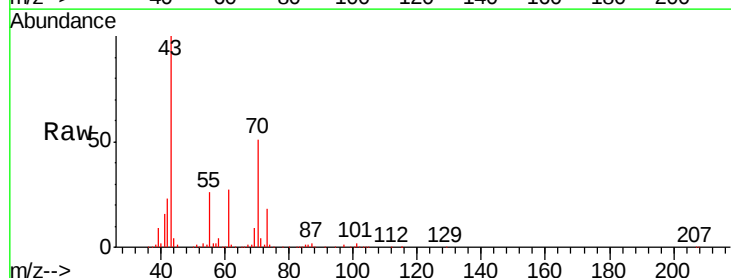
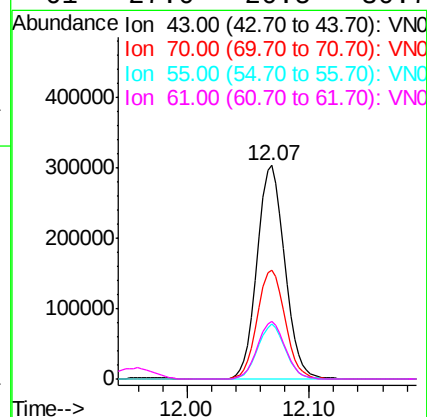
Ion Ratio Lower Upper

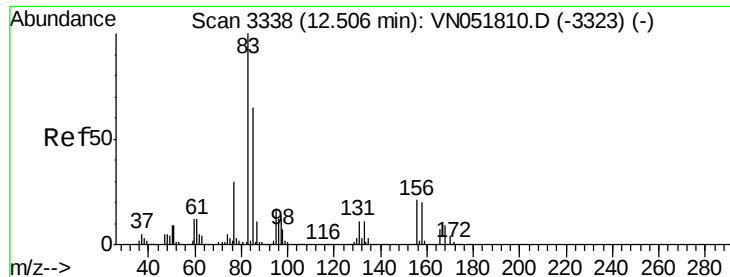
43 100

70 51.5 36.2 54.2

55 25.9 21.8 32.8

61 27.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.95 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 517432
Ion Ratio Lower Upper

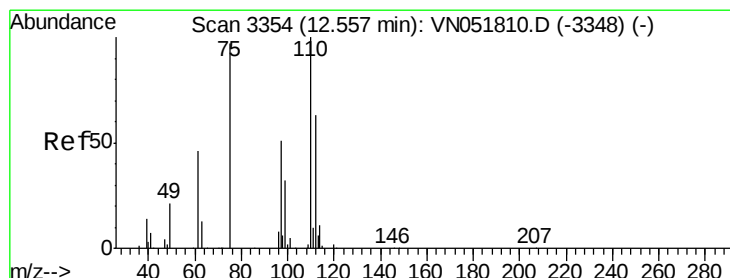
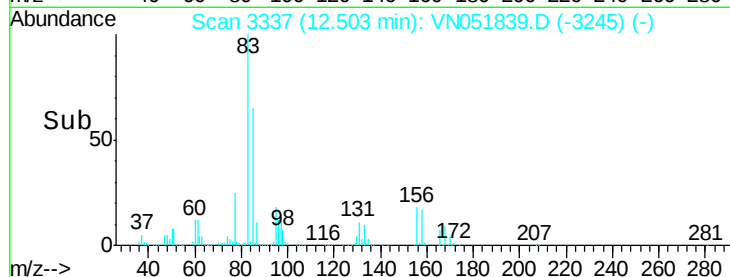
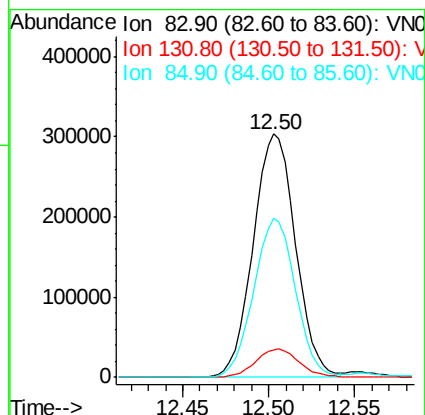
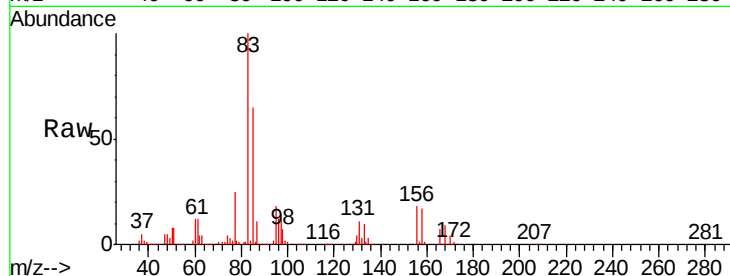
83 100

131 12.0 5.3 15.9

85 64.4 31.9 95.7

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#76

1,2,3-Trichloropropane

Concen: 53.06 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

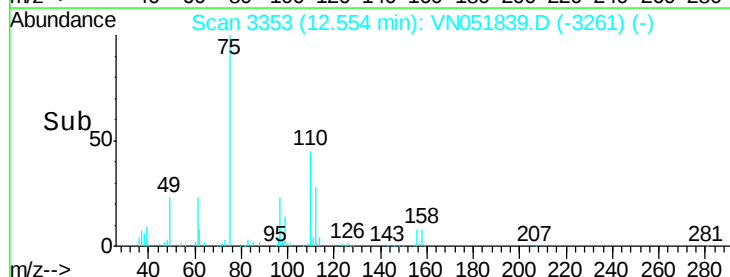
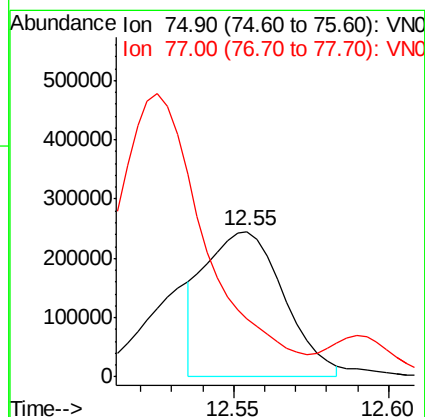
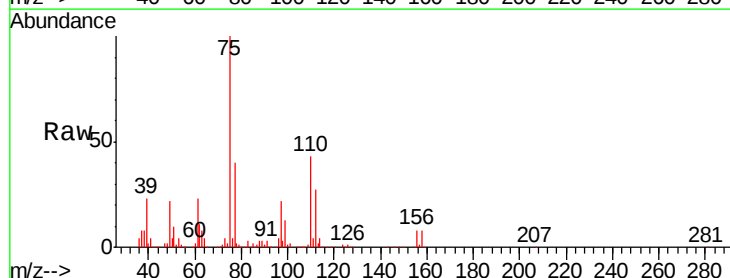
Lab File: VN051839.D

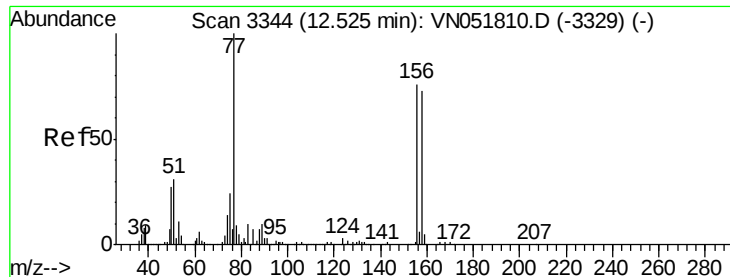
Acq: 12 Oct 2018 18:18

Tgt Ion: 75 Resp: 435357
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.11 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

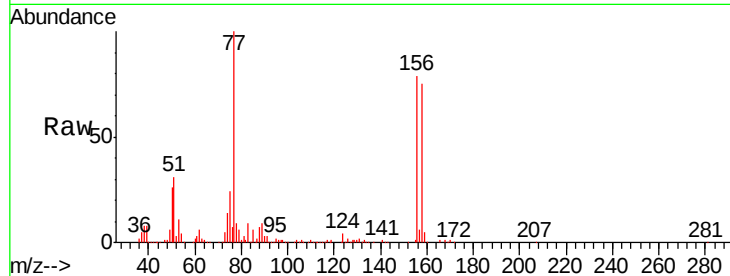
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	148.8	89.9	269.7
158	97.1	49.3	147.9

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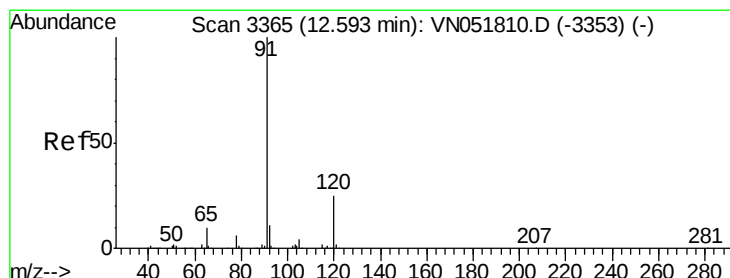
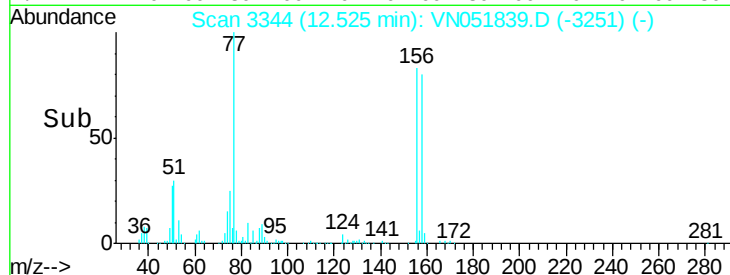
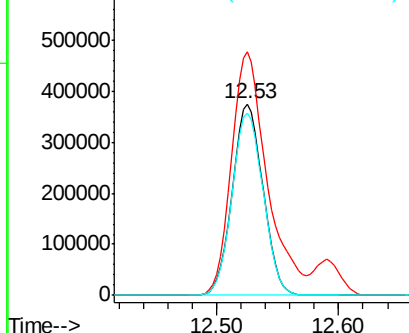
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.52 ug/l

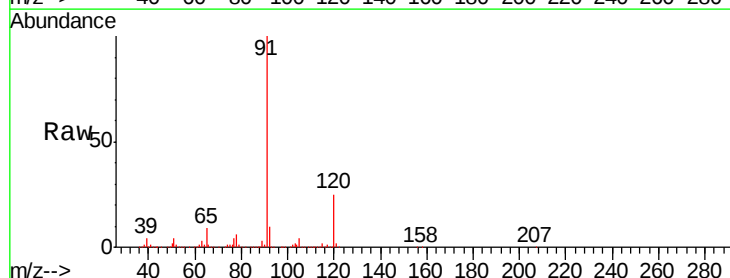
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051839.D

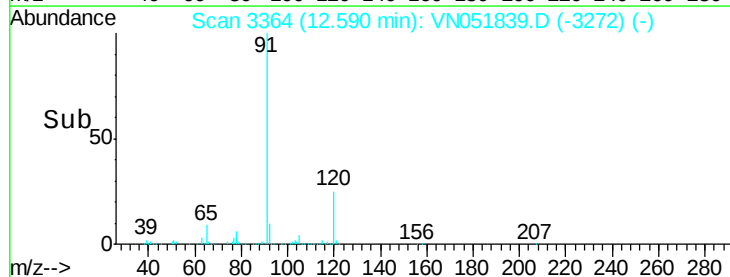
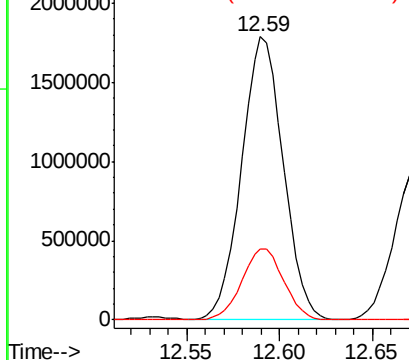
Acq: 12 Oct 2018 18:18

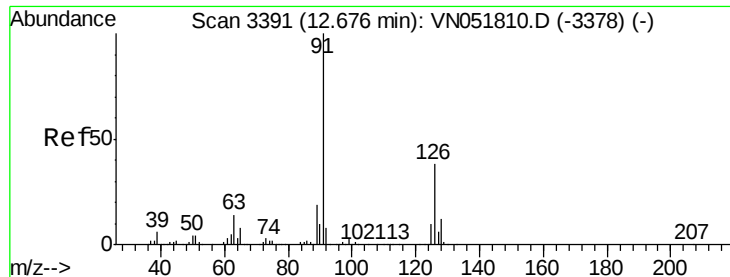
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.10 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1620254

Ion Ratio Lower Upper

91 100

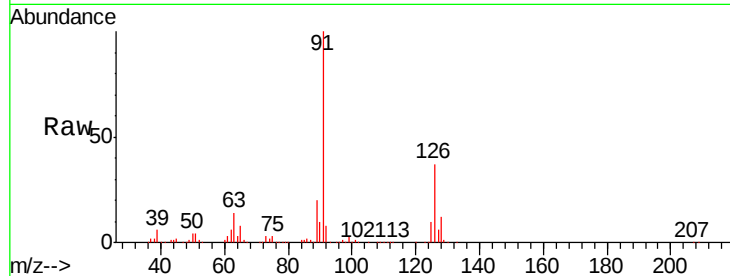
126 38.0 17.8 53.3

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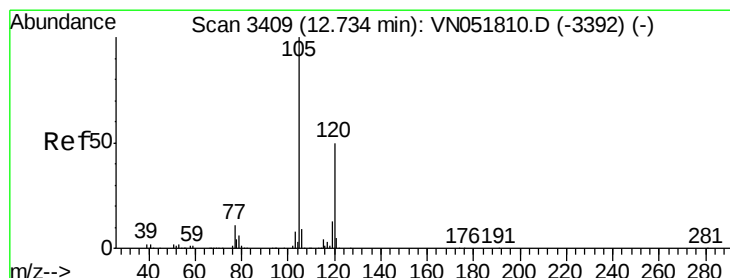
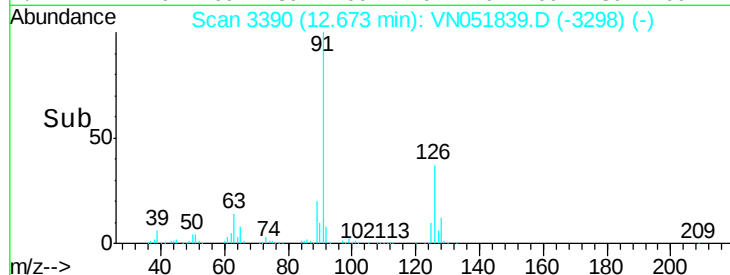
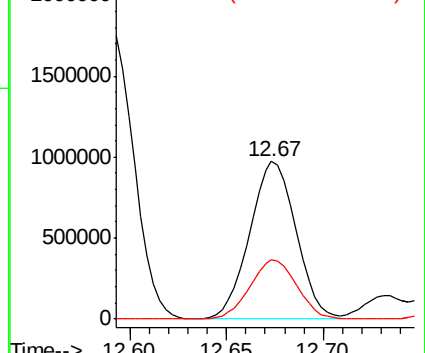
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Abundance Ion 91.00 (90.70 to 91.70): VN051810.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051810.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.59 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051839.D

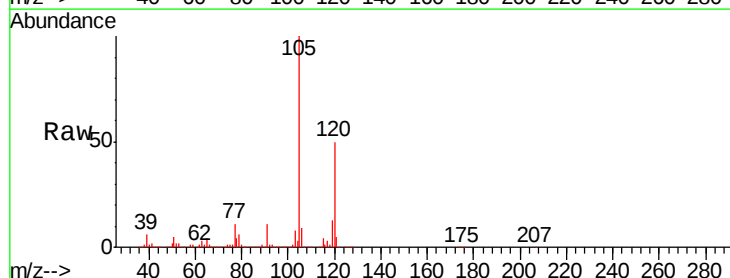
Acq: 12 Oct 2018 18:18

Tgt Ion: 105 Resp: 2154972

Ion Ratio Lower Upper

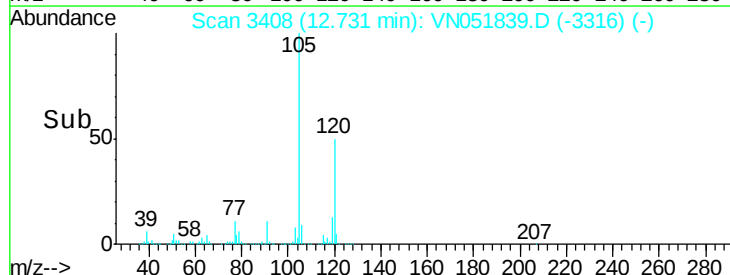
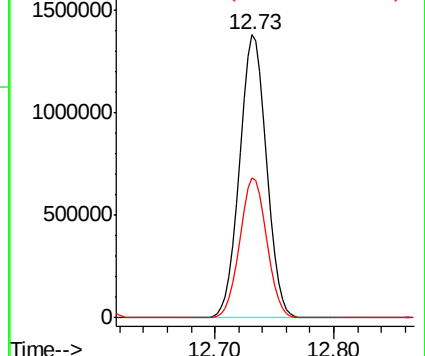
105 100

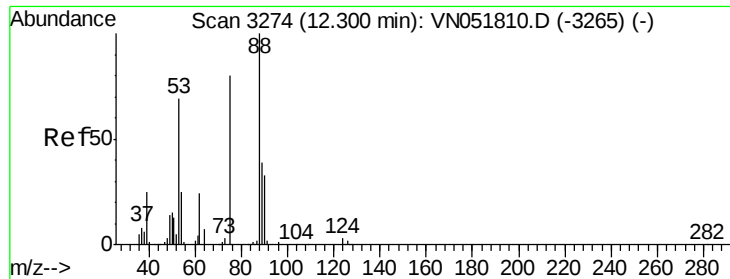
120 49.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051810.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051810.D (-3392) (-)





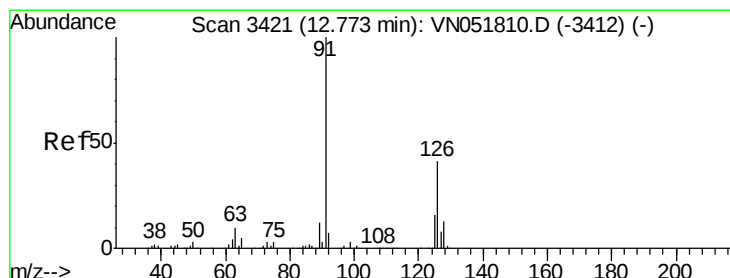
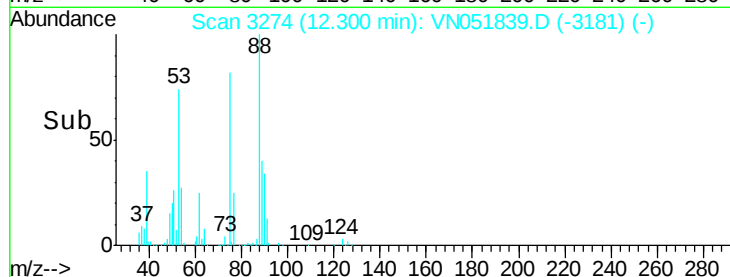
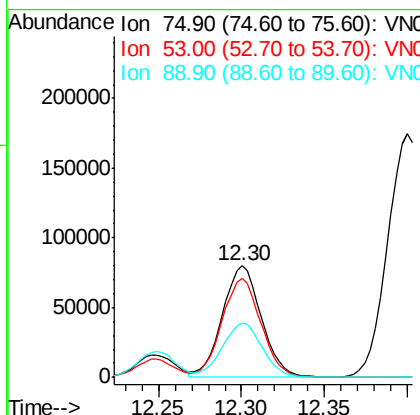
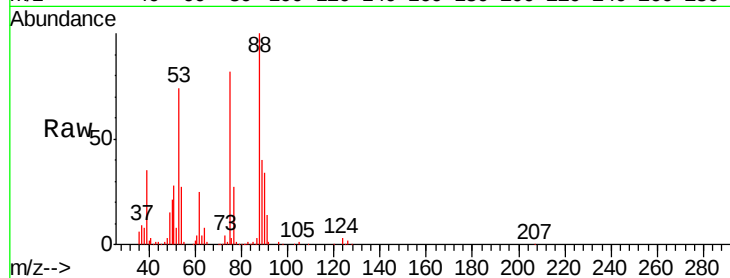
#81
trans-1,4-Dichloro-2-butene
Concen: 45.40 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.6	68.9	103.3
89	49.7	36.1	54.1

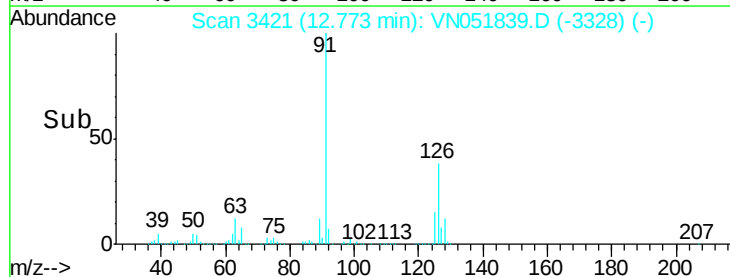
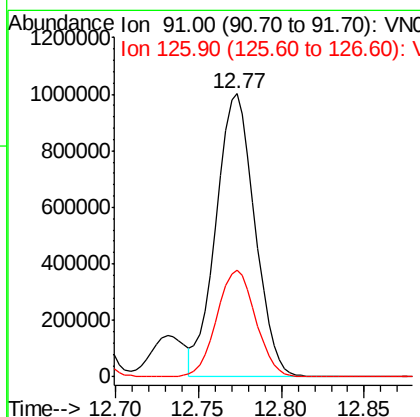
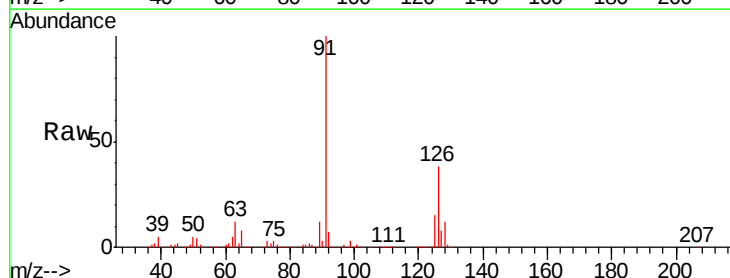
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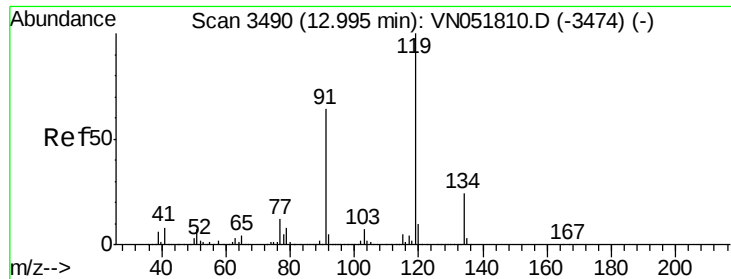
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#82
4-Chlorotoluene
Concen: 52.42 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.8	17.5	52.5





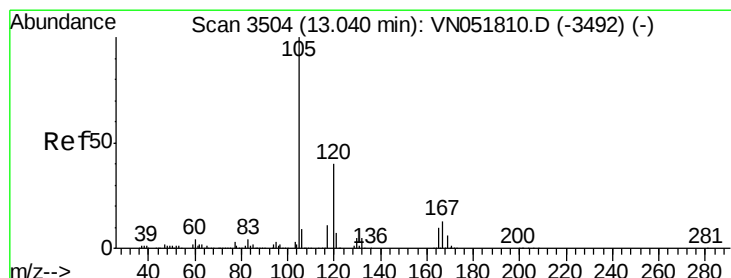
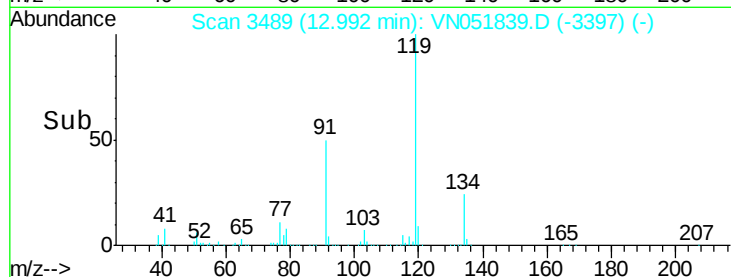
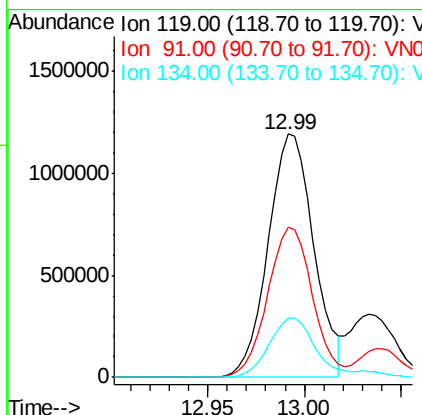
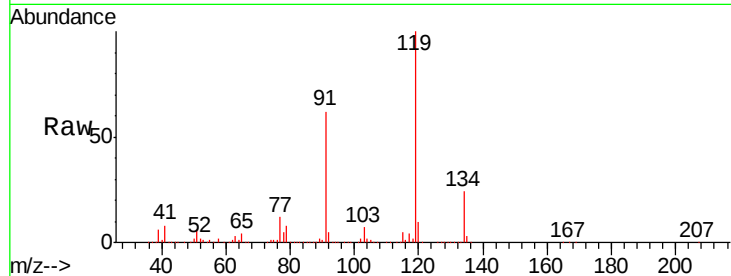
#83
 tert-Butylbenzene
 Concen: 50.51 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1956817
 Ion Ratio Lower Upper
 119 100
 91 60.8 31.6 94.7
 134 24.5 13.4 40.1

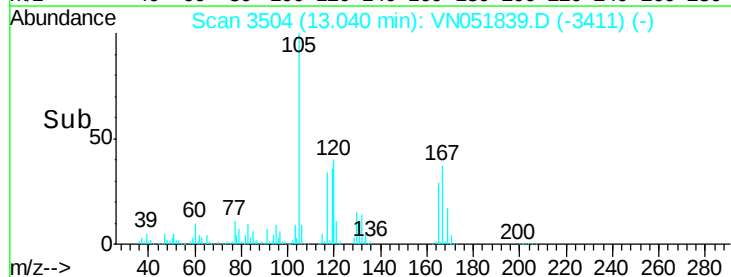
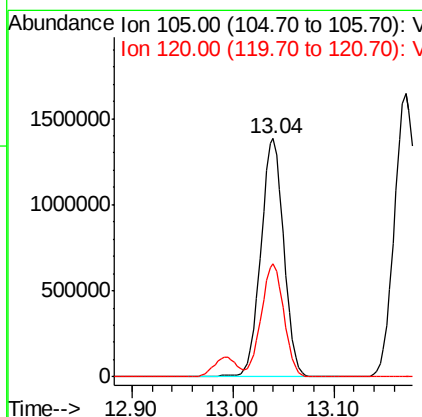
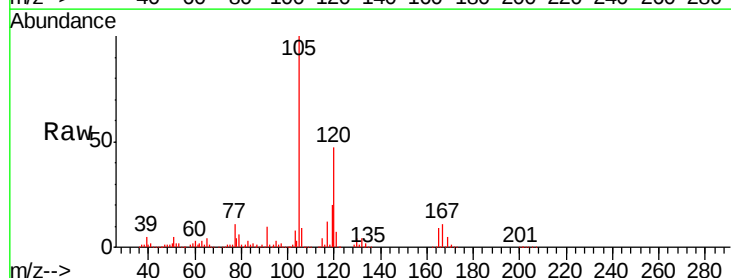
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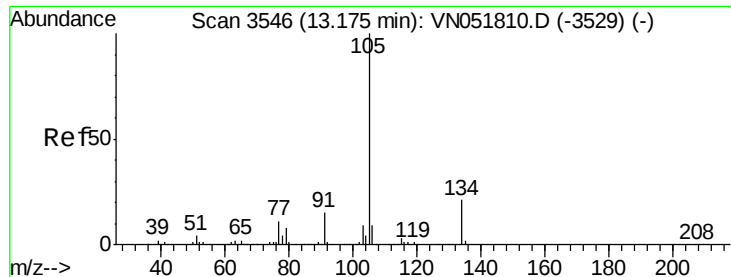
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.41 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion:105 Resp: 2179788
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.9 68.8





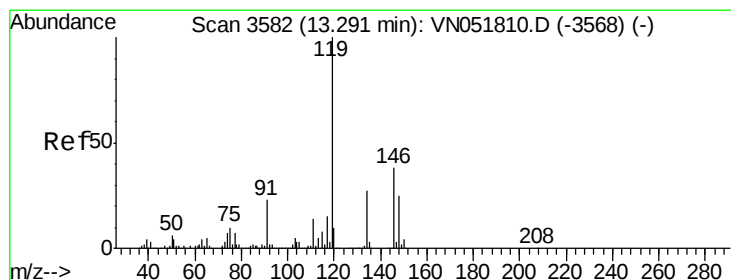
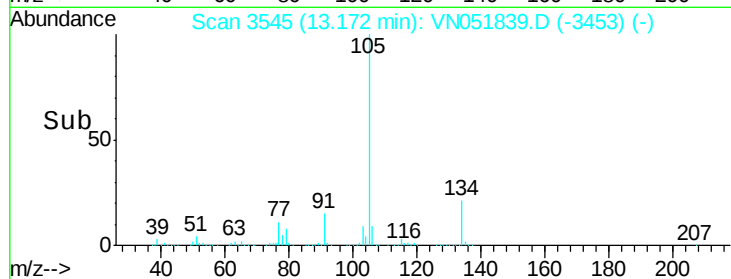
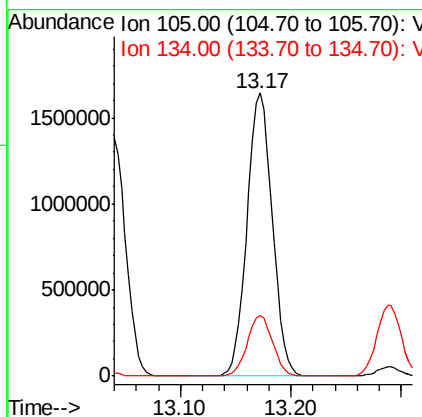
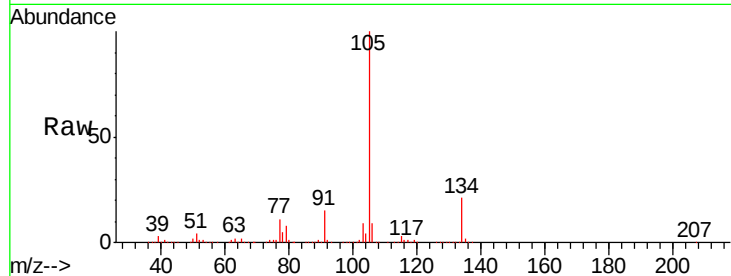
#85
 sec-Butylbenzene
 Concen: 51.78 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 2598955
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.3 30.8

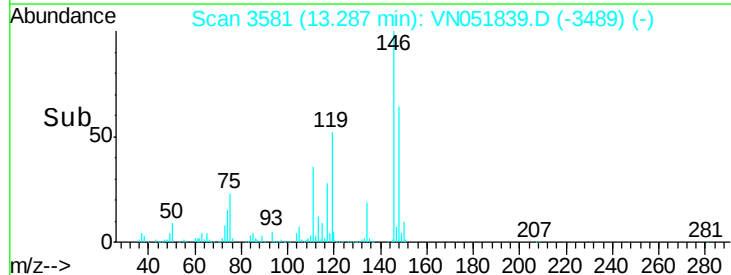
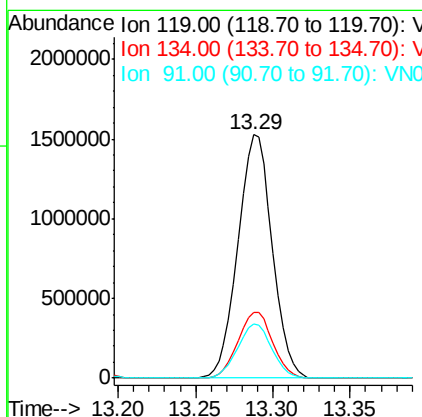
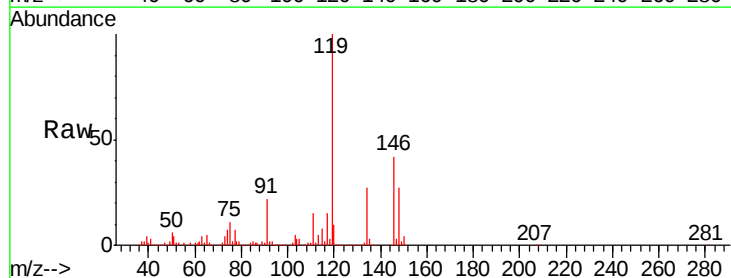
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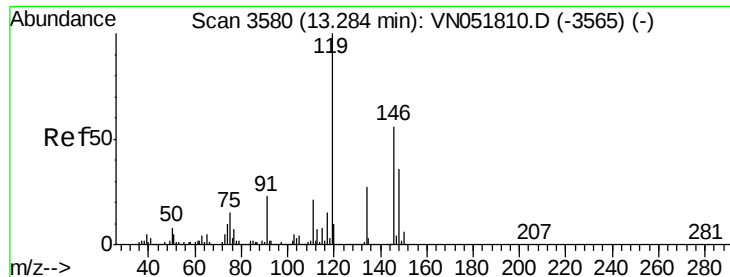
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#86
 p-Isopropyltoluene
 Concen: 53.12 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion:119 Resp: 2344558
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.7 41.0
 91 22.1 11.2 33.5





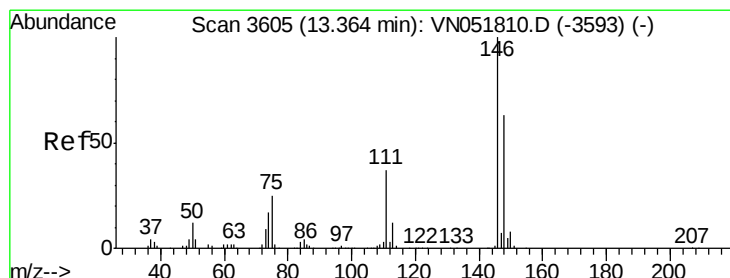
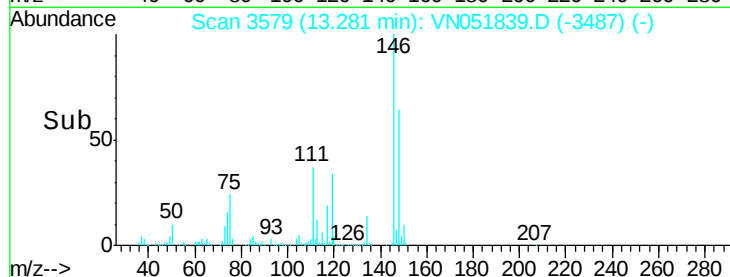
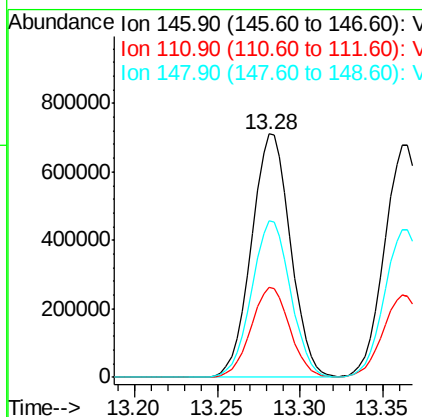
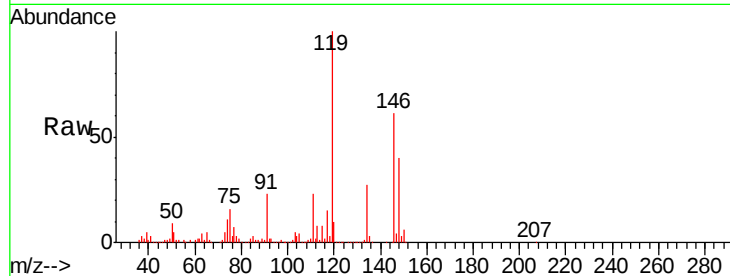
#87
 1,3-Dichlorobenzene
 Concen: 53.38 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1167000
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.1 57.3
 148 64.2 32.2 96.6

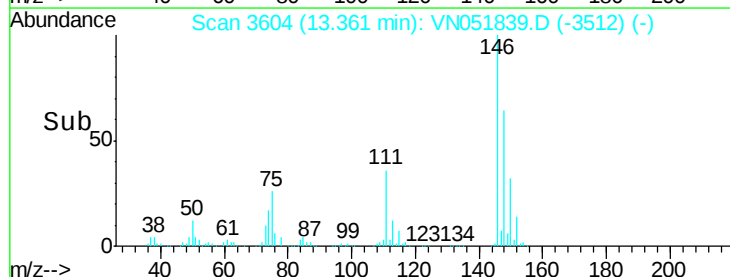
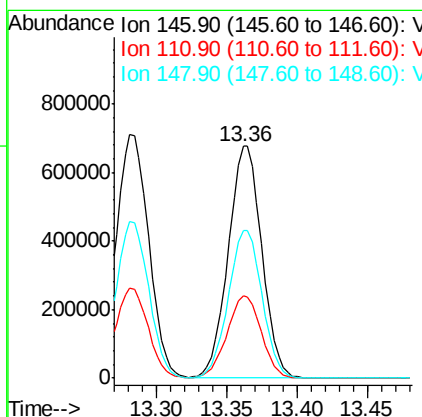
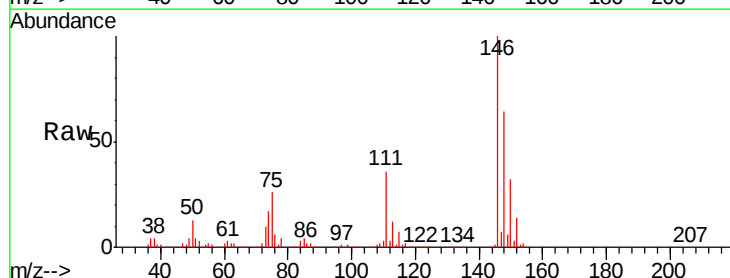
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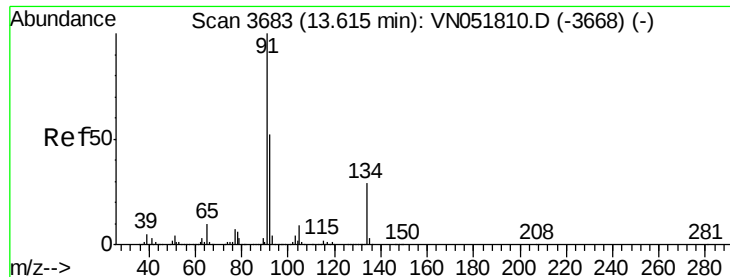
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#88
 1,4-Dichlorobenzene
 Concen: 53.11 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion:146 Resp: 1125378
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.8 56.3
 148 64.1 32.2 96.6





#89

n-Butylbenzene

Concen: 55.27 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051839.D

Acq: 12 Oct 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1813706

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.2

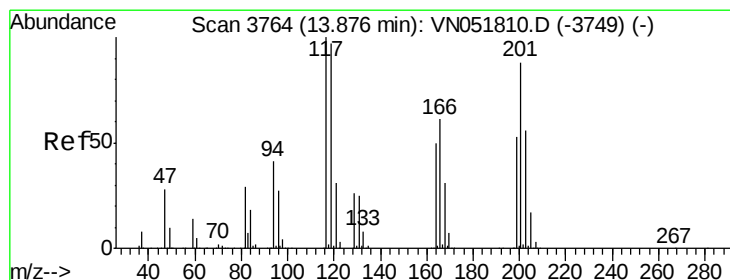
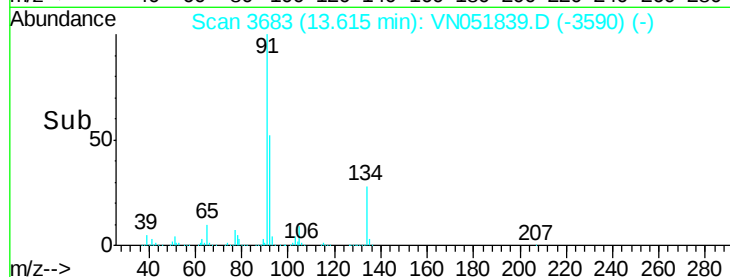
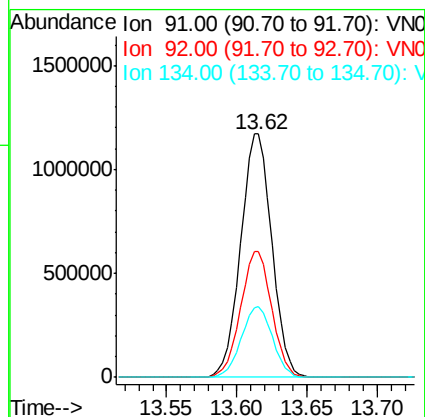
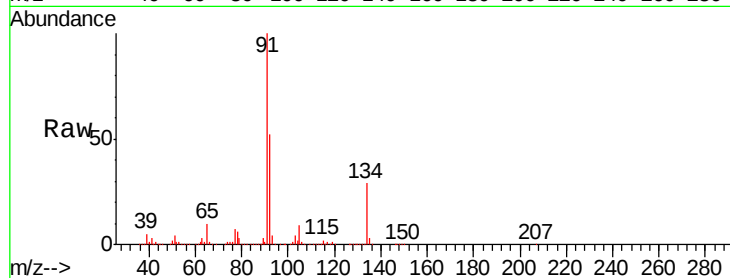
134 29.0 13.2 39.6

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#90

Hexachloroethane

Concen: 49.45 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051839.D

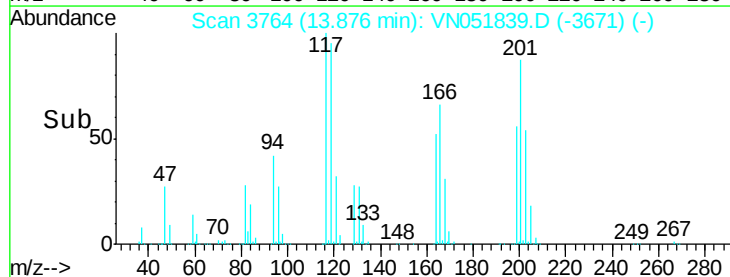
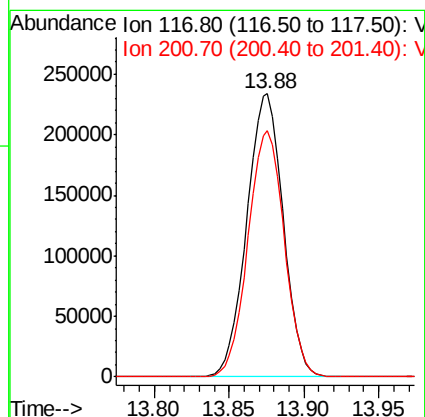
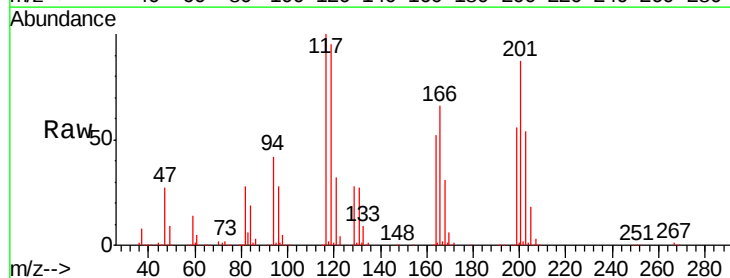
Acq: 12 Oct 2018 18:18

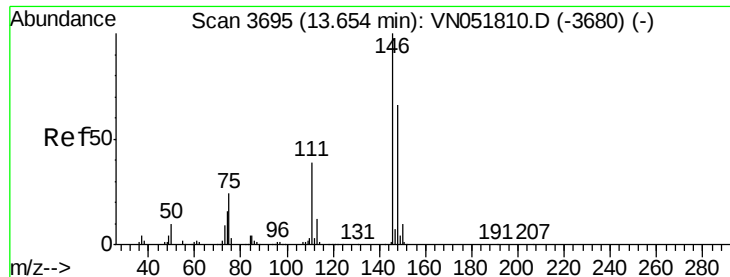
Tgt Ion: 117 Resp: 396186

Ion Ratio Lower Upper

117 100

201 86.7 46.0 137.8





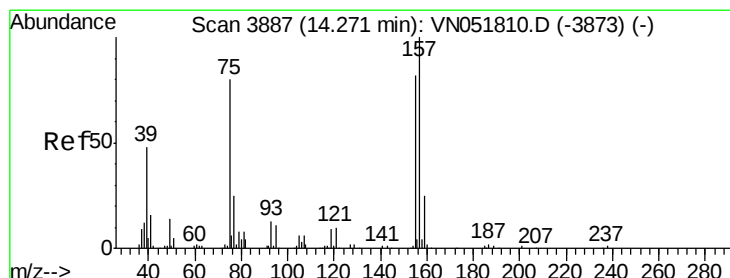
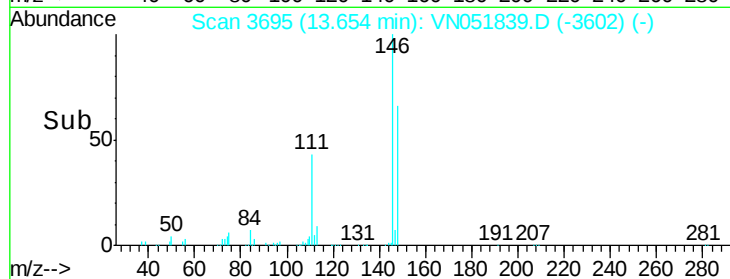
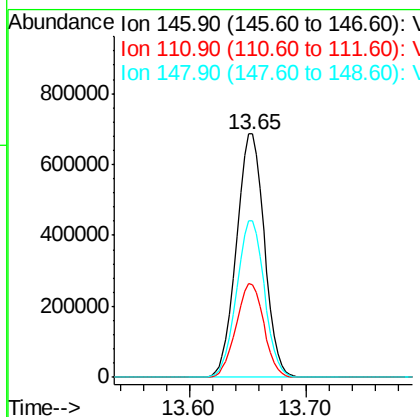
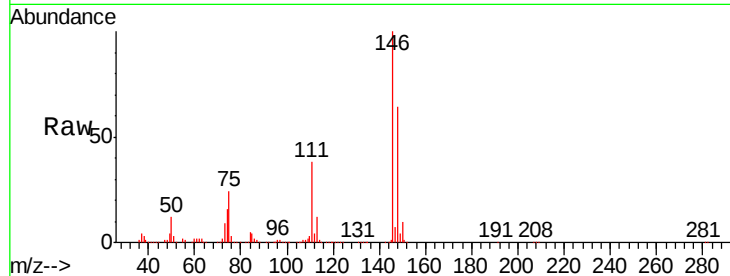
#91
 1,2-Dichlorobenzene
 Concen: 53.93 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1139190
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.8 59.3
 148 64.1 32.3 96.8

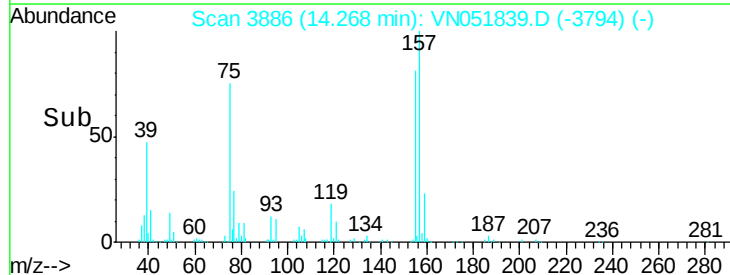
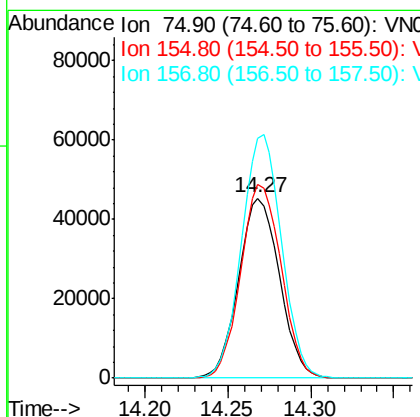
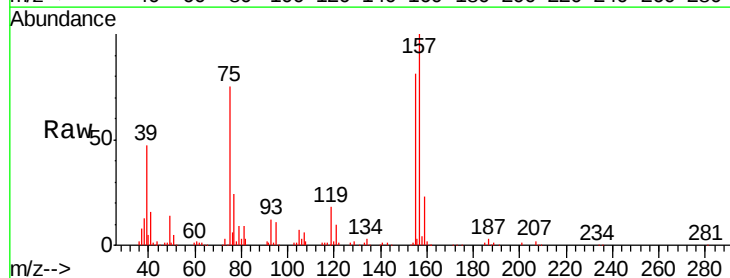
Manual Integrations
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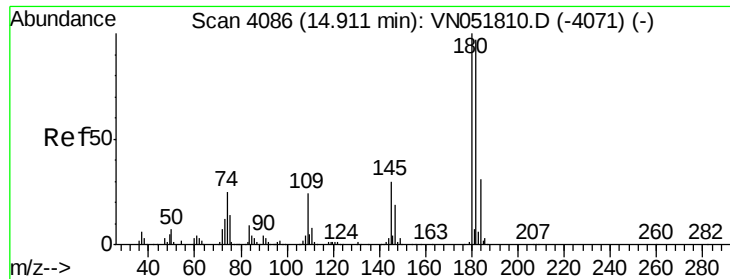
MMDadoda
 10/15/2018 11:28:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.95 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion: 75 Resp: 77832
 Ion Ratio Lower Upper
 75 100
 155 106.2 46.4 139.1
 157 132.6 60.7 182.0





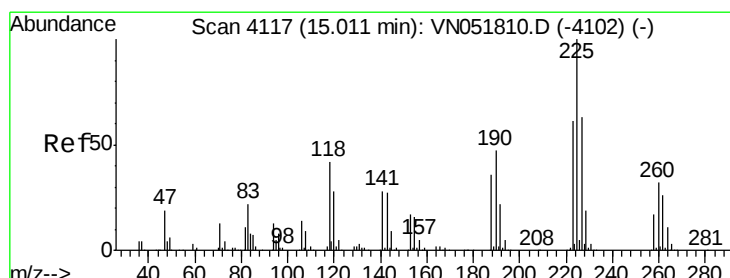
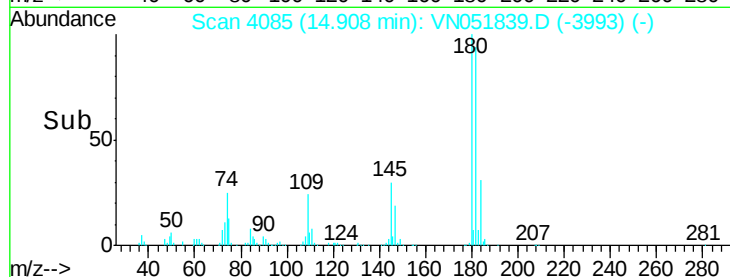
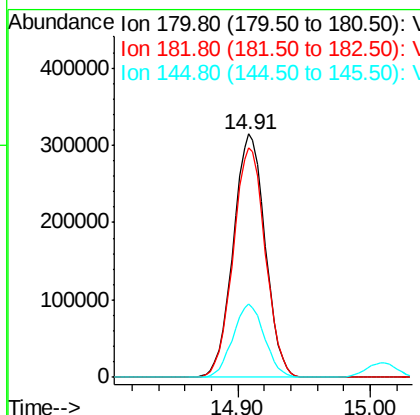
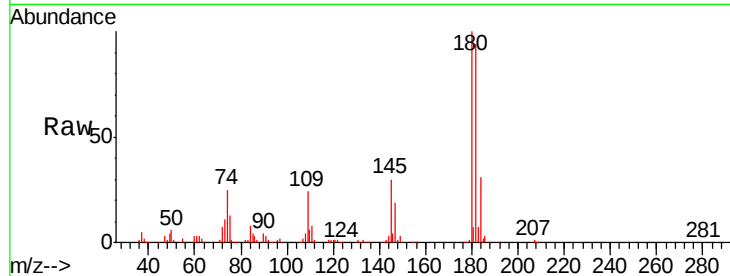
#93
 1,2,4-Trichlorobenzene
 Concen: 47.20 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.2	144.6
145	29.8	14.1	42.2

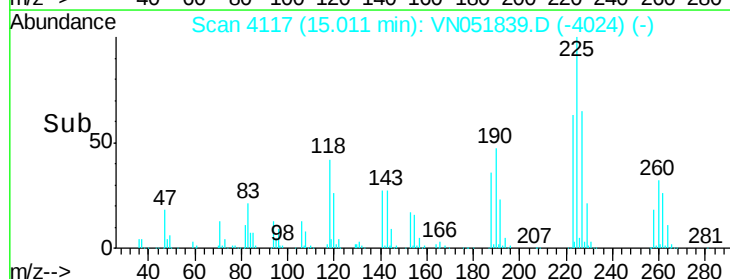
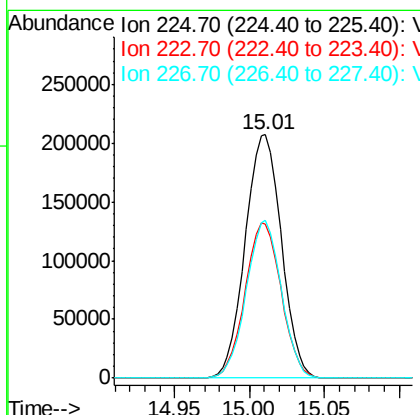
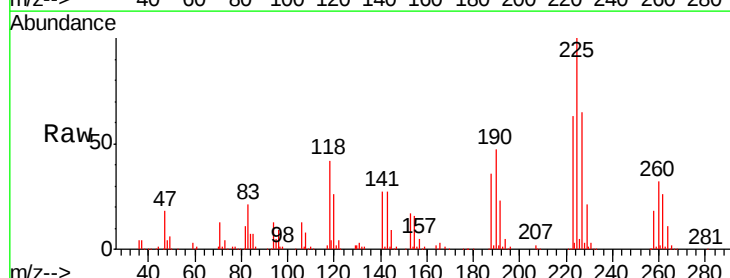
Manual Integrations
 APPROVED

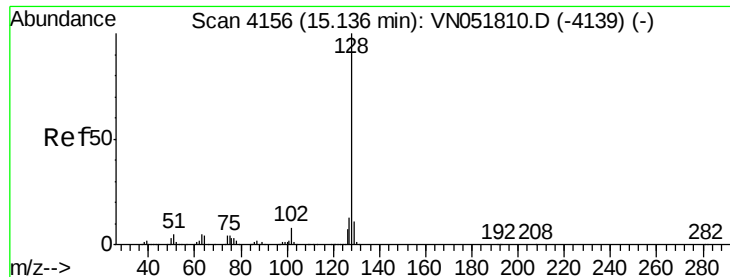
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#94
 Hexachlorobutadiene
 Concen: 51.27 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051839.D
 Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	62.6	32.0	96.2





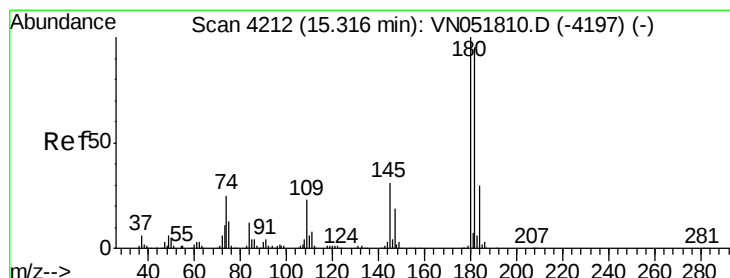
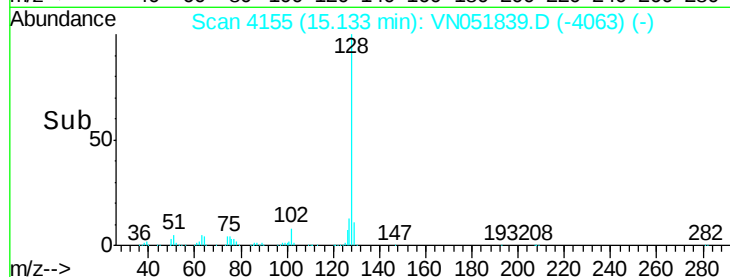
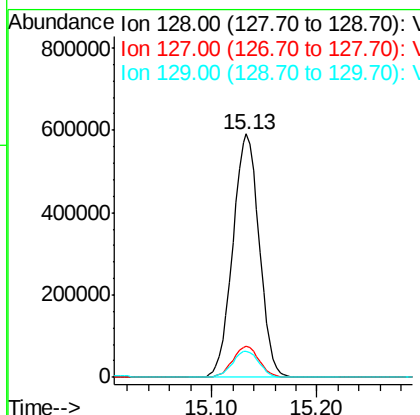
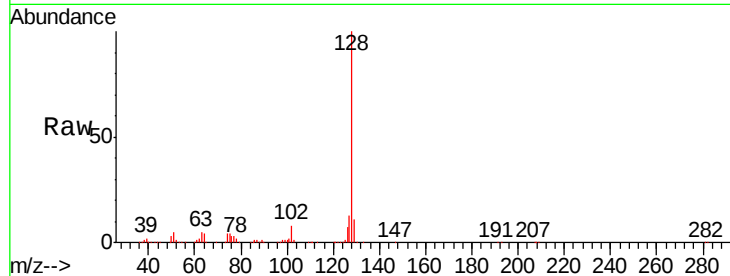
#95
Naphthalene
Concen: 42.38 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.69 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051839.D
Acq: 12 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	31.5	15.2	45.6

