

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051541.D
 Acq On : 26 Sep 2018 17:54
 Operator : MD\SY
 Sample : VN0927WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:43 PM

Quant Time: Sep 27 08:19:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	537492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	791077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	705036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	348803	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.59	113	309508	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.09	98	1138504	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.40	95	374896	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82628	16.478	ug/l	100
3) Chloromethane	2.06	50	134597	16.861	ug/l	99
4) Vinyl Chloride	2.18	62	146575	16.637	ug/l	98
5) Bromomethane	2.56	94	76635	14.557	ug/l	95
6) Chloroethane	2.70	64	94947	17.295	ug/l	97
7) Trichlorofluoromethane	3.01	101	202902	17.582	ug/l	98
8) Diethyl Ether	3.41	74	76817	19.545	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111698	17.150	ug/l	99
10) Methyl Iodide	3.95	142	102629	12.073	ug/l	99
11) Tert butyl alcohol	4.79	59	48162	126.743	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	99299	16.605	ug/l	95
13) Acrolein	3.61	56	29691	78.685	ug/l	100
14) Allyl chloride	4.32	41	182462	18.185	ug/l	96
15) Acrylonitrile	5.00	53	227821	110.212	ug/l	98
16) Acetone	3.82	43	166622	96.597	ug/l	94
17) Carbon Disulfide	4.05	76	258176	14.695	ug/l	99
18) Methyl Acetate	4.33	43	125489	24.472	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	310442	20.131	ug/l	99
20) Methylene Chloride	4.55	84	124729	18.721	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	105947	17.318	ug/l	100
22) Diisopropyl ether	5.96	45	402444	20.750	ug/l	97
23) Vinyl Acetate	5.90	43	1297261	101.882	ug/l	99
24) 1,1-Dichloroethane	5.85	63	227093	19.624	ug/l	98
25) 2-Butanone	6.84	43	262843	114.054	ug/l	96
26) 2,2-Dichloropropane	6.83	77	174565	19.325	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	125784	18.739	ug/l	97
28) Bromochloromethane	7.20	49	118871	22.244	ug/l	99
29) Tetrahydrofuran	7.22	42	177517	121.552	ug/l	97
30) Chloroform	7.37	83	229755	20.037	ug/l	99
31) Cyclohexane	7.66	56	181448	17.114	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	185075	18.880	ug/l	99
36) 1,1-Dichloropropene	7.79	75	157731	17.218	ug/l	99
37) Ethyl Acetate	6.93	43	116505	22.119	ug/l	99
38) Carbon Tetrachloride	7.78	117	162694	16.980	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	167688	15.659	ug/l	95
40) Benzene	8.04	78	490473	18.234	ug/l	99
41) Methacrylonitrile	7.17	41	49124	16.858	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	162633	18.883	ug/l	99
43) Isopropyl Acetate	8.17	43	212334	22.294	ug/l #	90
44) Trichloroethene	8.84	130	125327	17.542	ug/l	97
45) 1,2-Dichloropropane	9.12	63	139725	19.110	ug/l	99
46) Dibromomethane	9.21	93	80204	19.414	ug/l	96
47) Bromodichloromethane	9.40	83	170227	18.619	ug/l	99
48) Methyl methacrylate	9.20	41	99841	21.026	ug/l	96
49) 1,4-Dioxane	9.20	88	26672	458.313	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	599158	114.385	ug/l	98
52) Toluene	10.16	92	298121	17.834	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	167241	18.119	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	194903	18.209	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	119179	20.173	ug/l	97
56) Ethyl methacrylate	10.43	69	142789	19.769	ug/l	98
57) 1,3-Dichloropropane	10.71	76	194850	19.243	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	383291	110.435	ug/l	97
59) 2-Hexanone	10.75	43	377702	111.231	ug/l	97
60) Dibromochloromethane	10.90	129	127755	18.328	ug/l	99
61) 1,2-Dibromoethane	11.01	107	109531	19.099	ug/l	100
64) Tetrachloroethene	10.63	164	113711	17.771	ug/l	94
65) Chlorobenzene	11.43	112	325794	18.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	126290	18.325	ug/l	99
67) Ethyl Benzene	11.51	91	533744	17.509	ug/l	100
68) m/p-Xylenes	11.62	106	415377	35.226	ug/l	99
69) o-Xylene	11.95	106	198822	17.539	ug/l	96
70) Styrene	11.97	104	318393	17.725	ug/l	99
71) Bromoform	12.13	173	89442	19.126	ug/l #	98
73) Isopropylbenzene	12.25	105	542497	18.432	ug/l	100
74) N-amyl acetate	12.07	43	156690	21.219	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	152012	22.149	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127595m	22.034	ug/l	
77) Bromobenzene	12.53	156	135363	18.168	ug/l	93
78) n-propylbenzene	12.59	91	620222	18.698	ug/l	97
79) 2-Chlorotoluene	12.67	91	382302	19.254	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	451829	18.827	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	39153	20.791	ug/l	98
82) 4-Chlorotoluene	12.77	91	367752	18.557	ug/l	99
83) tert-Butylbenzene	12.99	119	396057	18.541	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	455064	18.817	ug/l	100
85) sec-Butylbenzene	13.17	105	542594	18.776	ug/l	99
86) p-Isopropyltoluene	13.29	119	462967	18.515	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	239040	18.540	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	228227	18.397	ug/l	98
89) n-Butylbenzene	13.62	91	357978	17.410	ug/l	99
90) Hexachloroethane	13.88	117	91423	18.350	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	239760	19.165	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21568	22.020	ug/l	97

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VN0927WBS01

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100109	19.049	ug/l	99
94) Hexachlorobutadiene	15.01	225	88904	18.783	ug/l	98
95) Naphthalene	15.14	128	189232	20.287	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	108390	18.054	ug/l	98

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

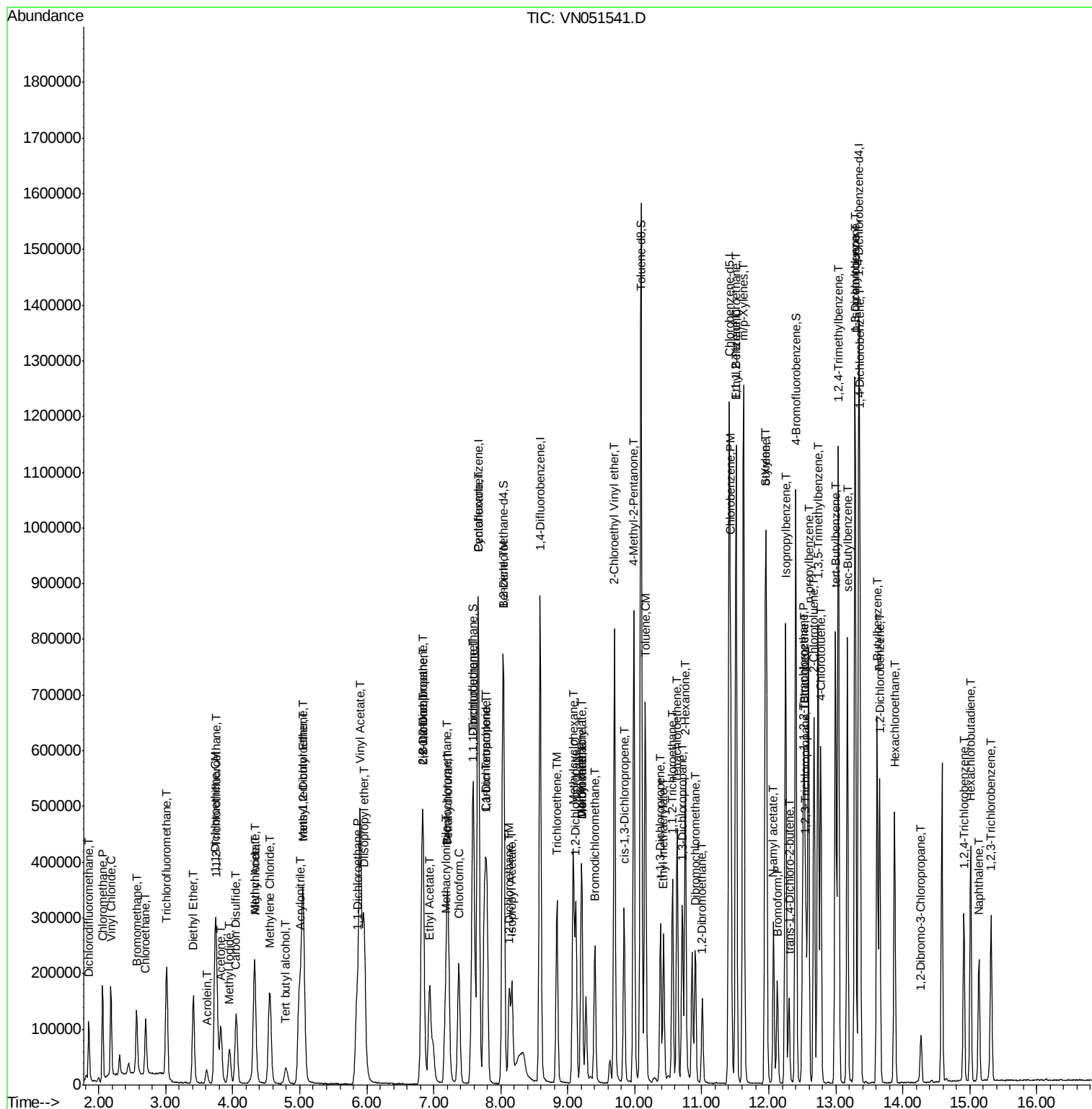
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051541.D
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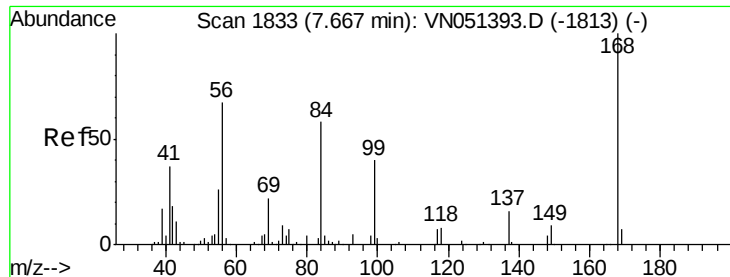
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion:168 Resp: 537492

Ion Ratio Lower Upper

168 100

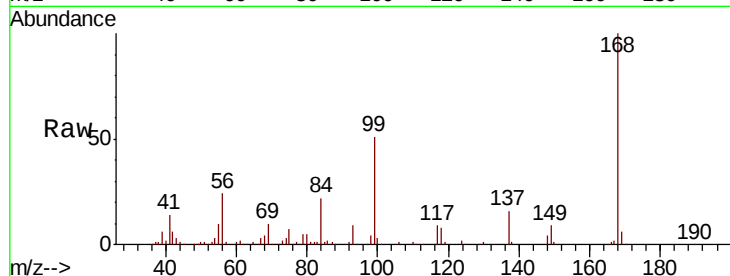
99 50.8 40.2 60.2

Manual Integrations

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9/27/2018 3:18:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

250000

200000

150000

100000

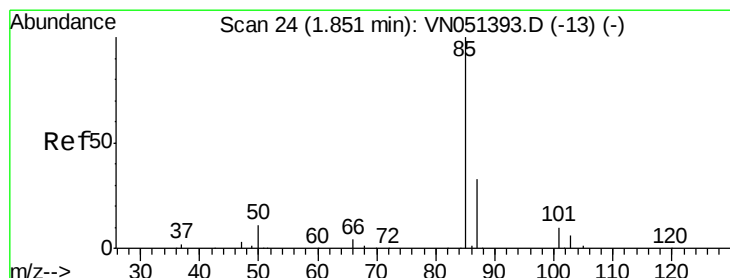
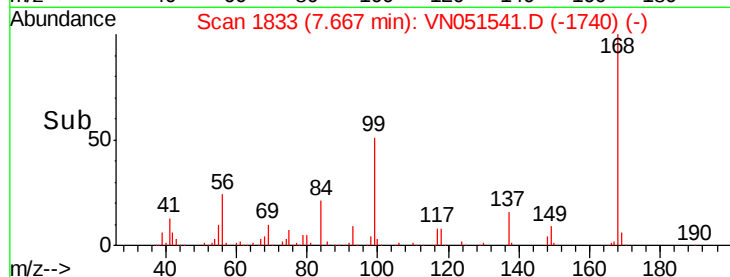
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.478 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051541.D

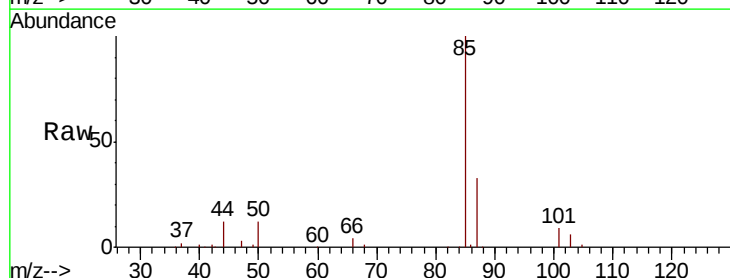
Acq: 26 Sep 2018 17:54

Tgt Ion: 85 Resp: 82628

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

40000

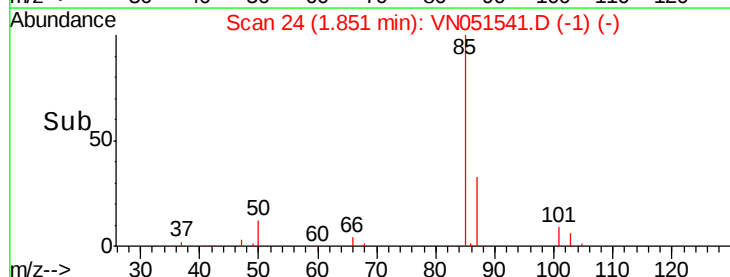
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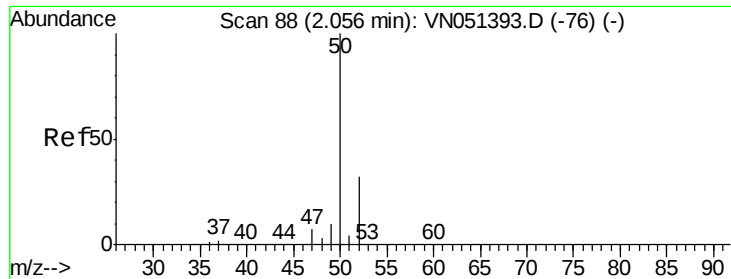
0

1.85

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.861 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

Tot Ion: 50 Resp: 134597

Ion Ratio Lower Upper

50 100

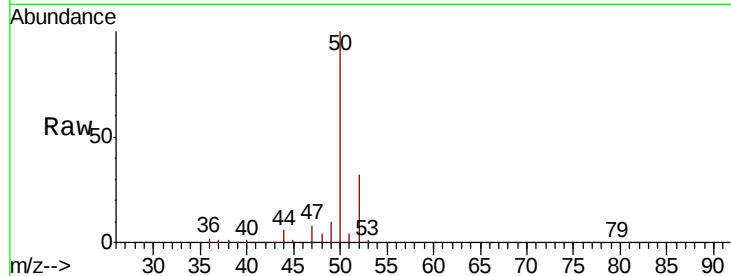
52 32.4 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

120000

100000

80000

60000

40000

20000

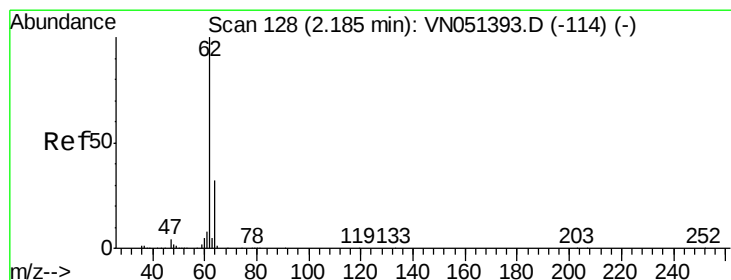
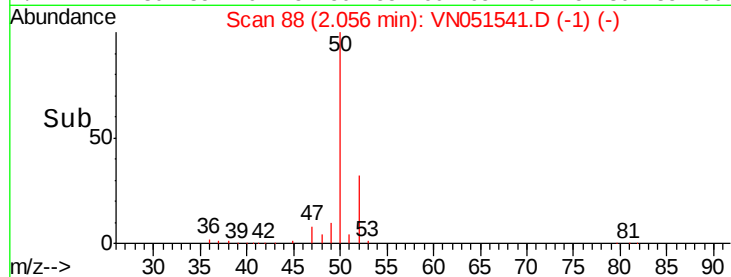
0

2.00

2.05

2.10

Time-->



#4

Vinyl Chloride

Concen: 16.637 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051541.D

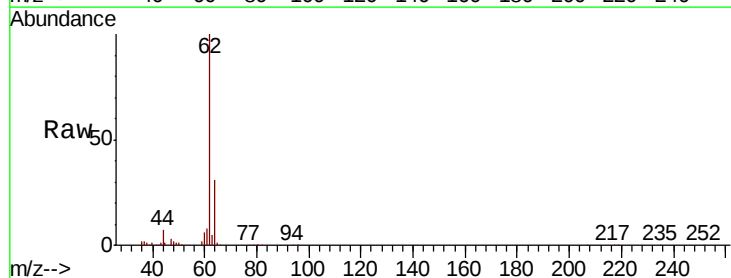
Acq: 26 Sep 2018 17:54

Tgt Ion: 62 Resp: 146575

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

100000

80000

60000

40000

20000

0

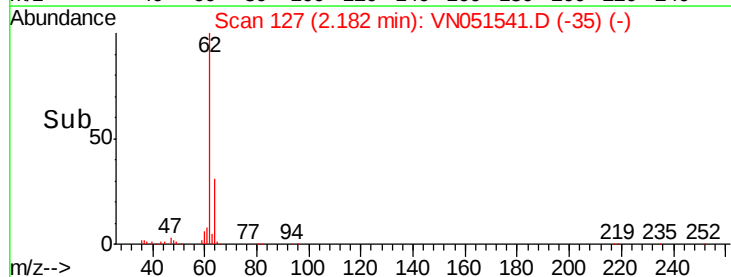
2.10

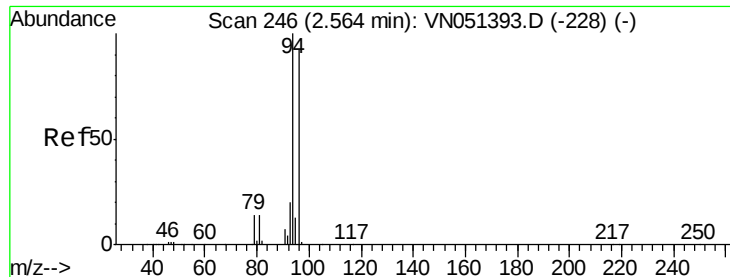
2.15

2.20

2.25

Time-->





#5

Bromomethane

Concen: 14.557 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 94 Resp: 76635

Ion Ratio Lower Upper

94 100

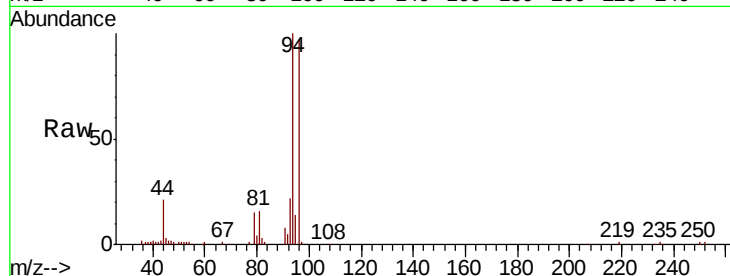
96 96.8 73.6 110.4

Manual Integrations

APPROVED

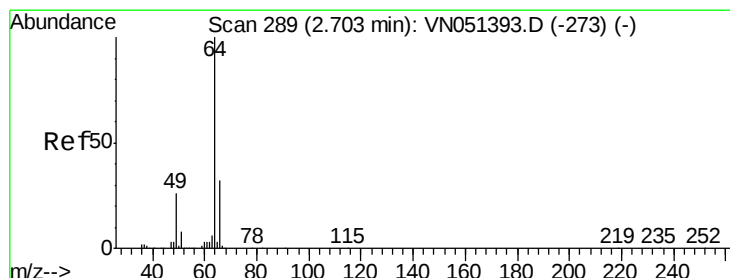
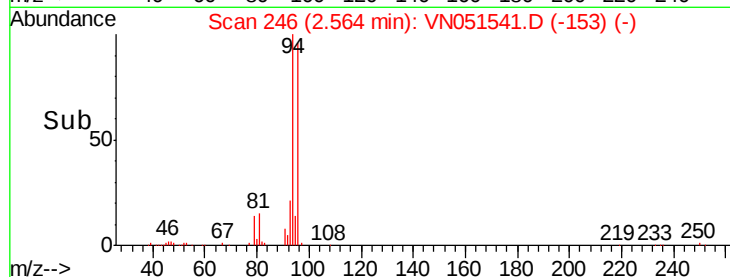
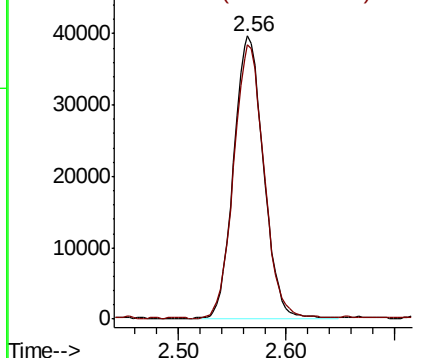
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 17.295 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051541.D

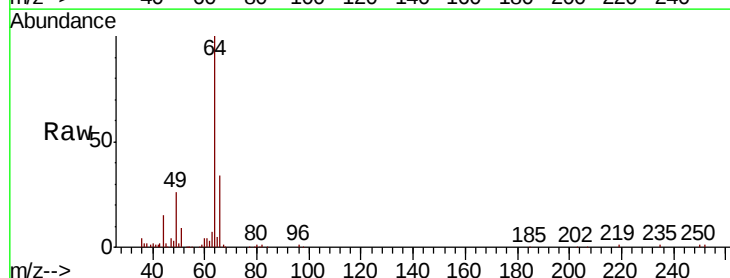
Acq: 26 Sep 2018 17:54

Tgt Ion: 64 Resp: 94947

Ion Ratio Lower Upper

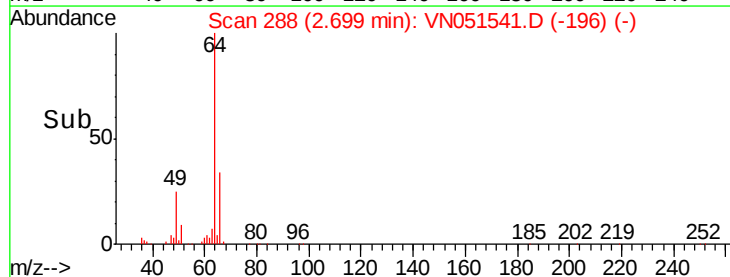
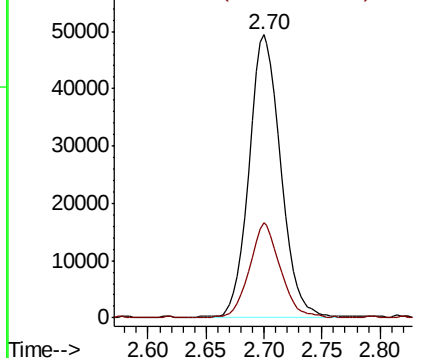
64 100

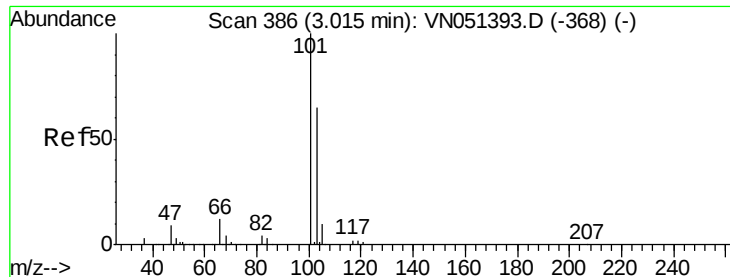
66 33.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

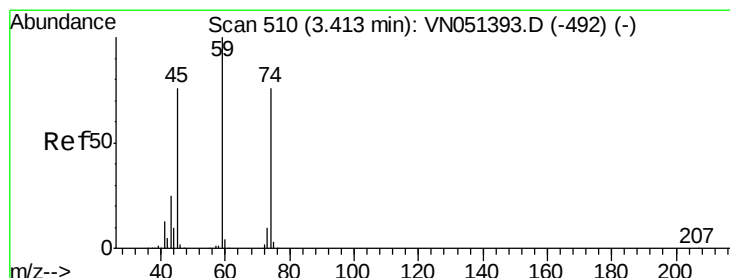
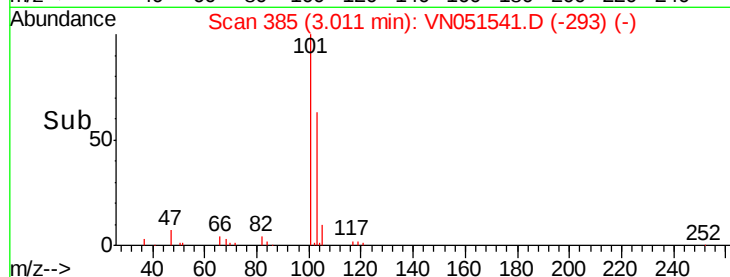
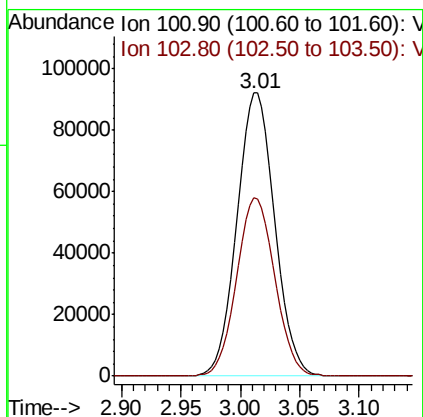
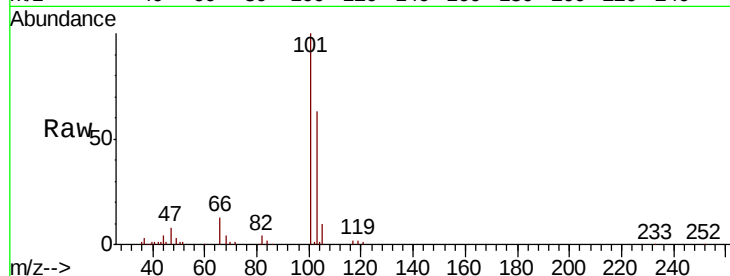
Trichlorofluoromethane
 Concen: 17.582 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.8

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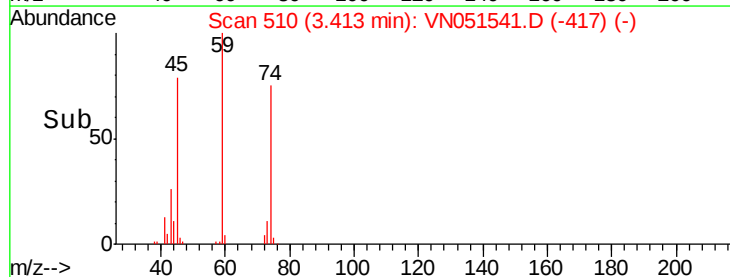
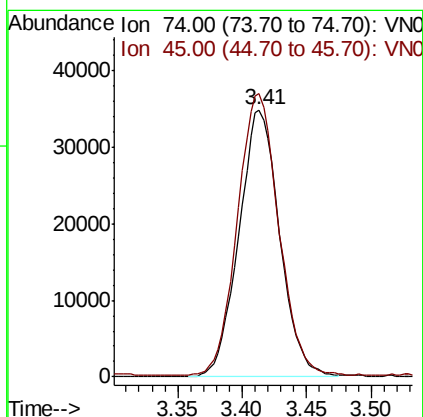
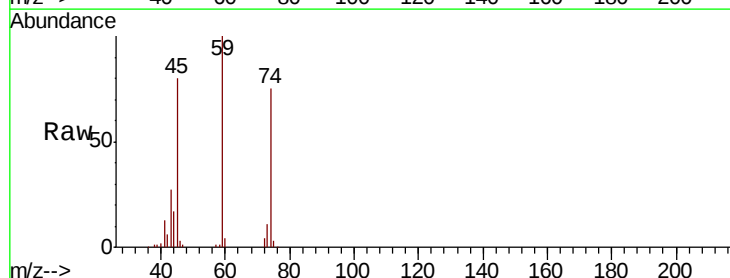
MMDadoda
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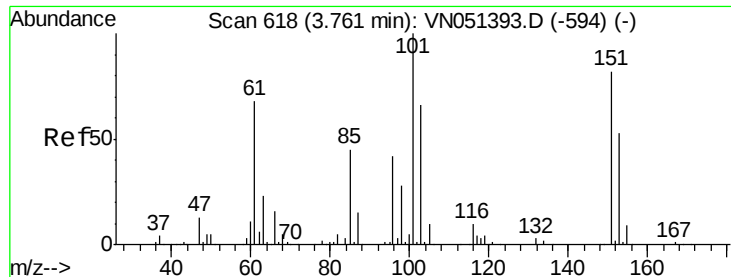


#8

Diethyl Ether
 Concen: 19.545 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	50.2	150.7





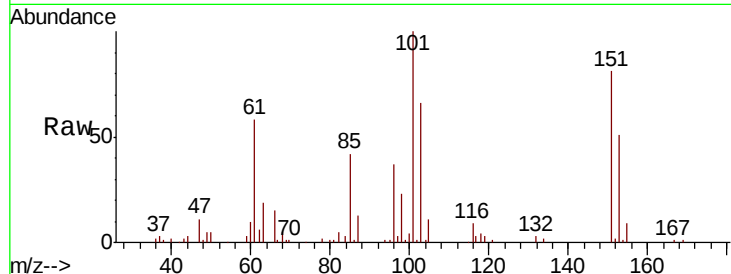
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.150 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	111698		
85	42.0	33.9	50.9	
151	82.8	65.2	97.8	

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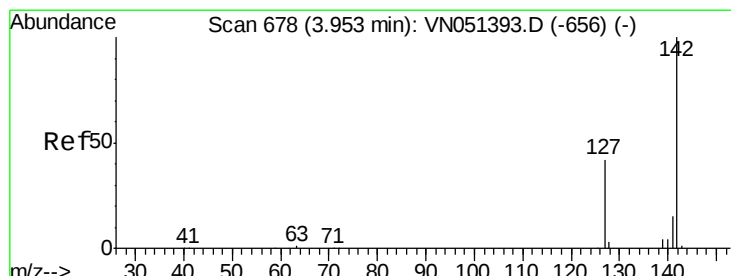
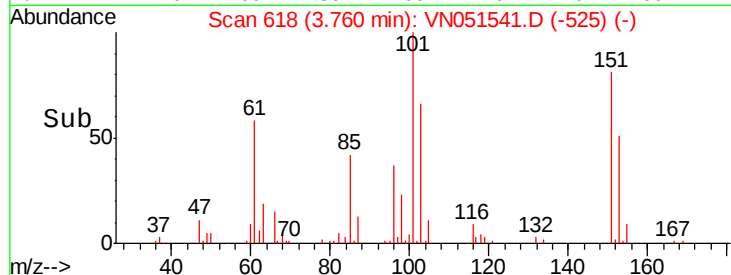
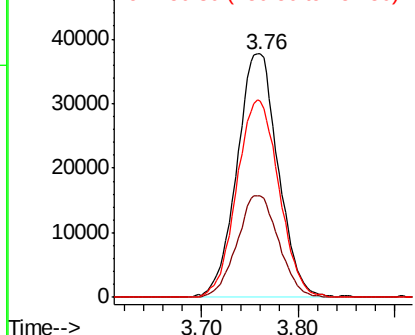


Abundance

Ion 100.90 (100.60 to 101.60): V

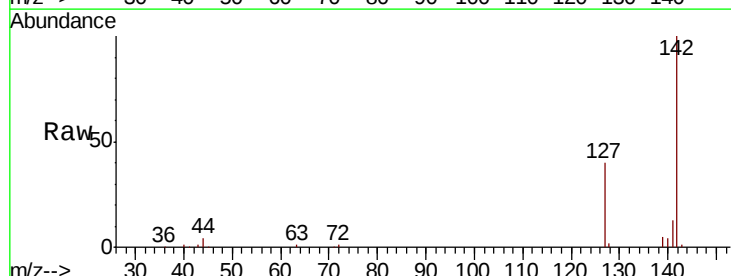
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 12.073 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	102629		
127	41.0	33.2	49.8	
141	14.0	11.5	17.3	

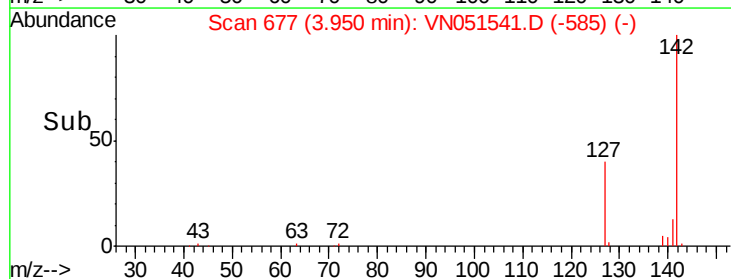
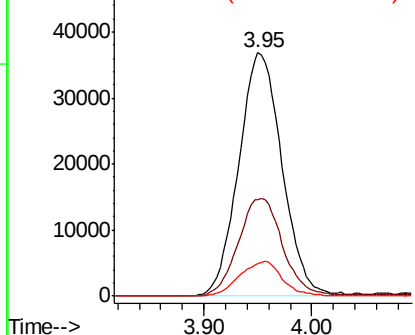


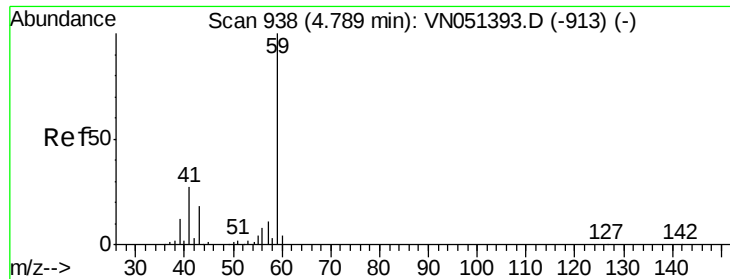
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





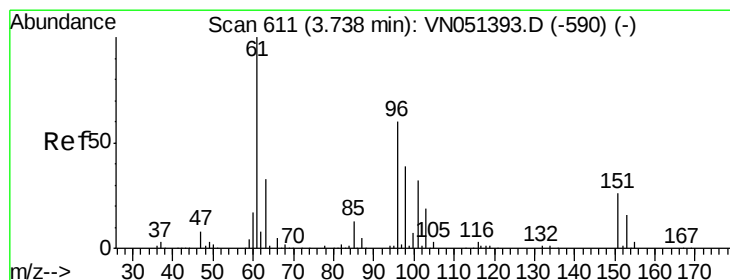
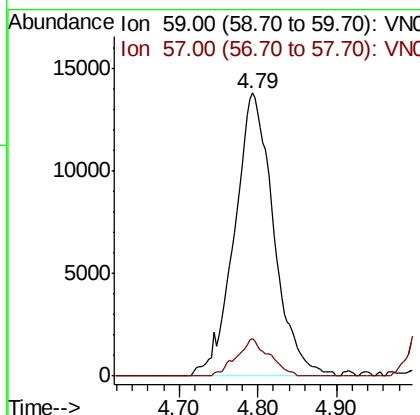
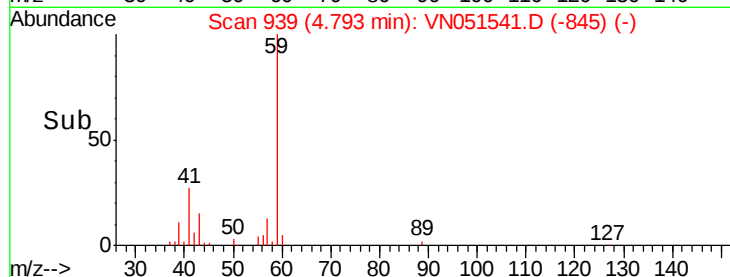
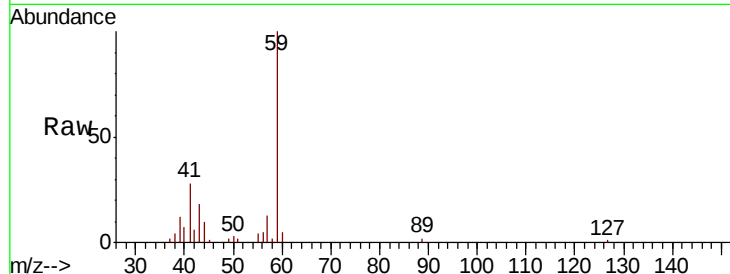
#11
Tert butyl alcohol
Concen: 126.743 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion: 59 Resp: 48162
Ion Ratio Lower Upper
59 100
57 11.0 6.2 9.2#

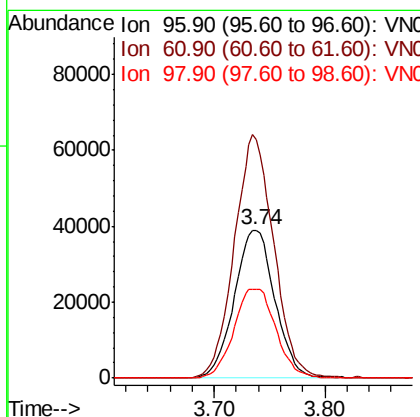
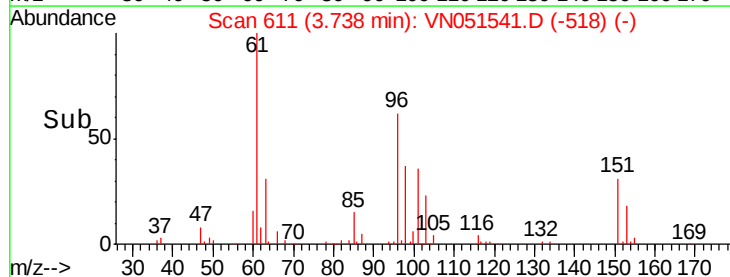
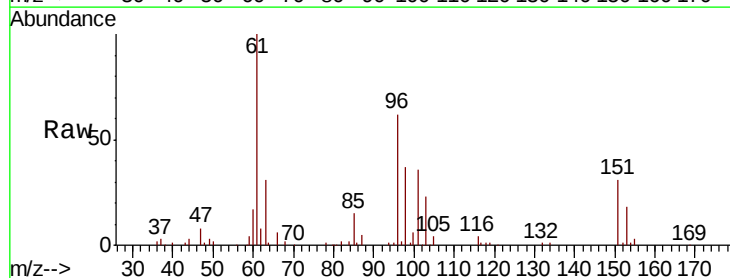
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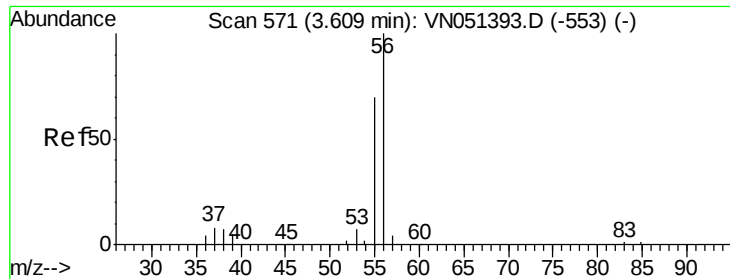
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#12
1,1-Dichloroethene
Concen: 16.605 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 96 Resp: 99299
Ion Ratio Lower Upper
96 100
61 161.2 133.6 200.4
98 59.6 52.2 78.2





#13

Acrolein

Concen: 78.685 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

Tot Ion: 56 Resp: 29691

Ion Ratio Lower Upper

56 100

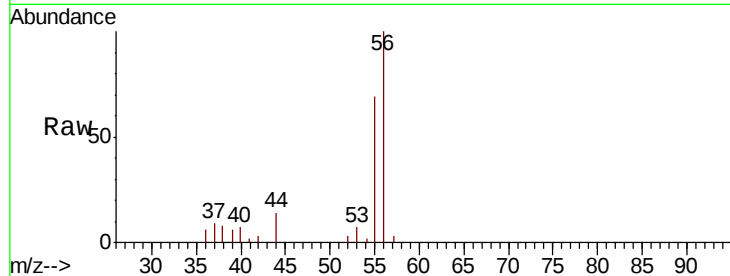
55 72.0 57.8 86.8

Manual Integrations

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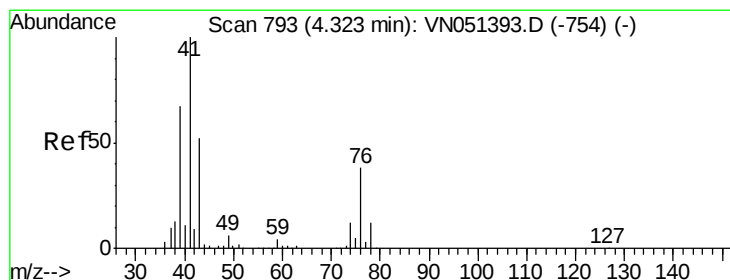
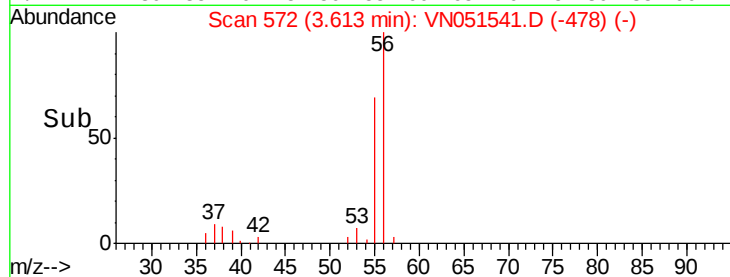
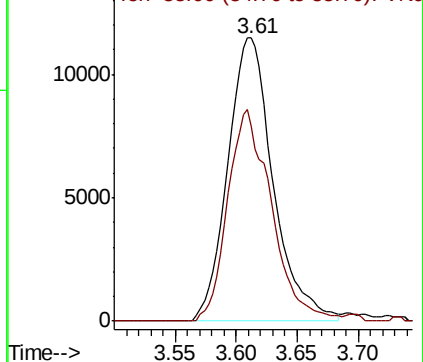
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.185 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

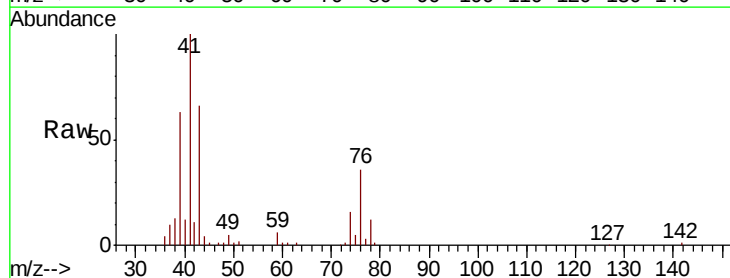
Tgt Ion: 41 Resp: 182462

Ion Ratio Lower Upper

41 100

39 60.9 51.4 77.2

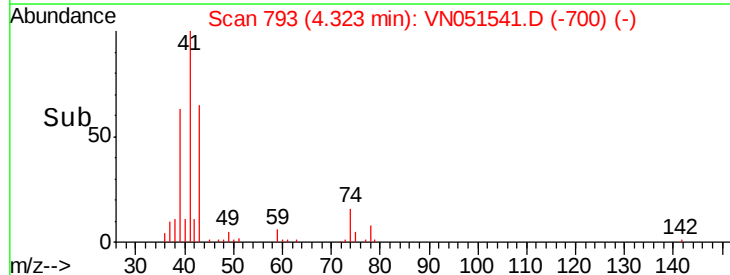
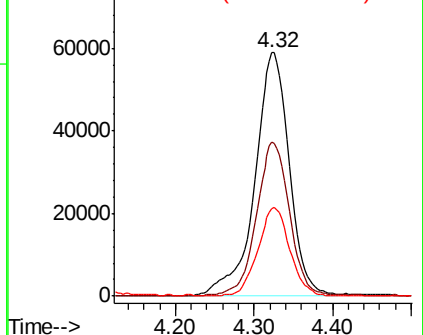
76 33.6 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





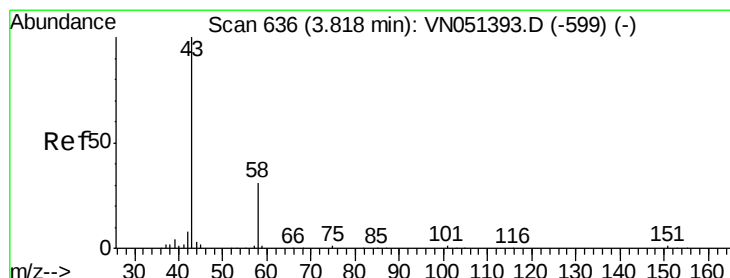
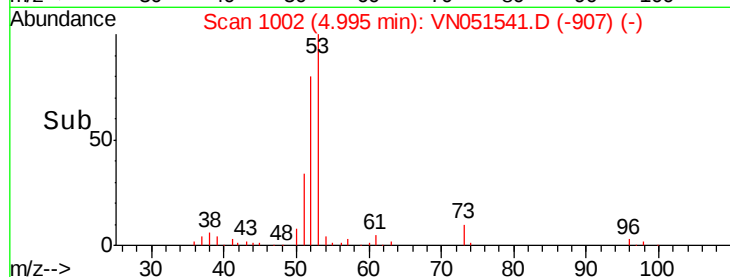
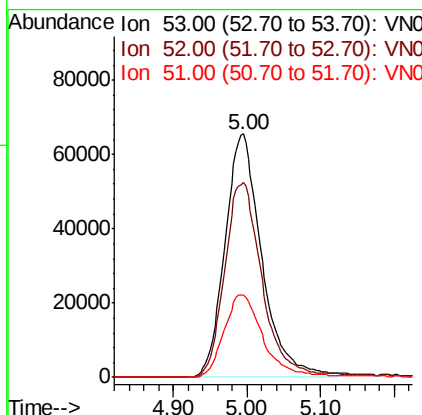
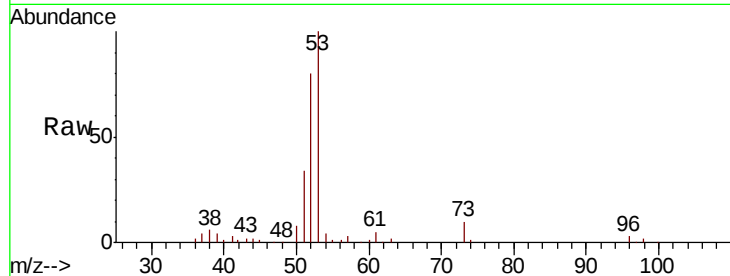
#15
 Acrylonitrile
 Concen: 110.212 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion:	53	Resp:	227821
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.2
51	35.7	28.6	42.8

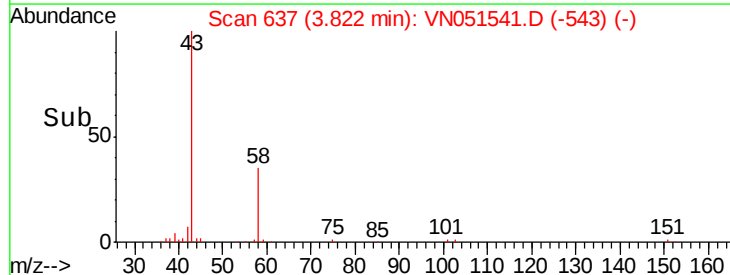
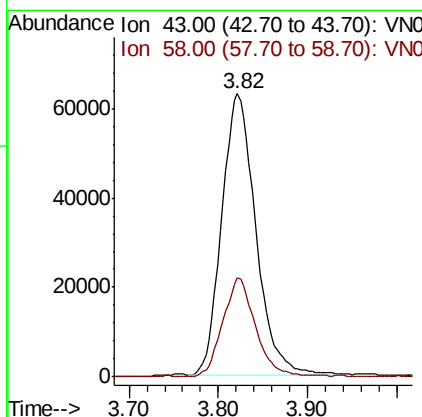
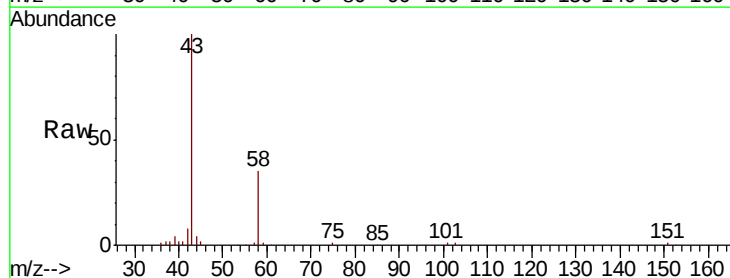
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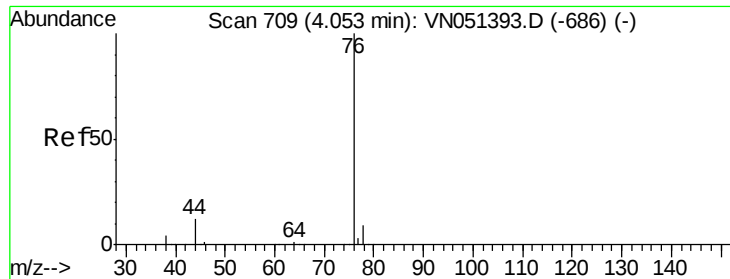
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#16
 Acetone
 Concen: 96.597 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion:	43	Resp:	166622
Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.0	37.4





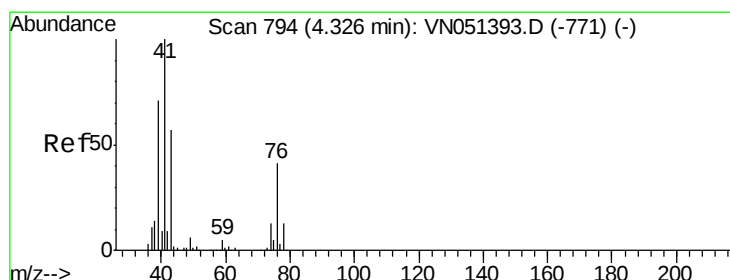
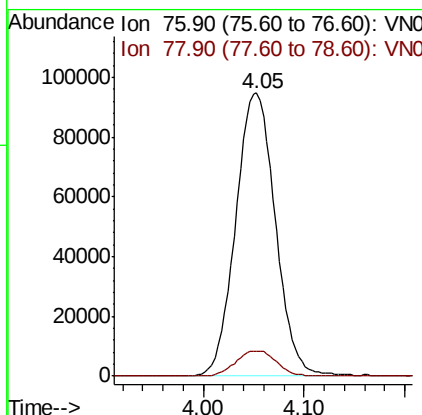
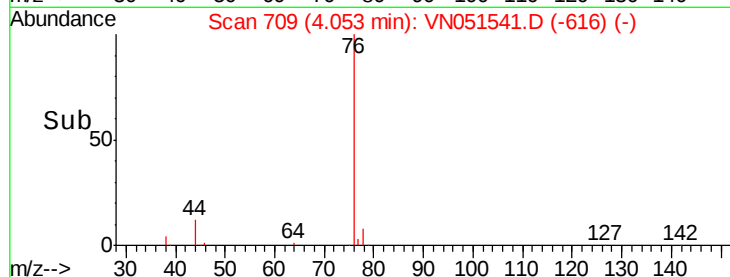
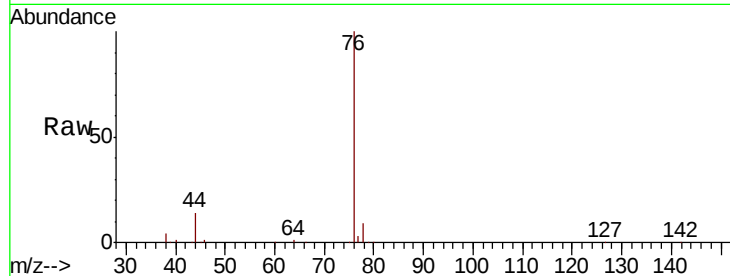
#17
Carbon Disulfide
Concen: 14.695 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

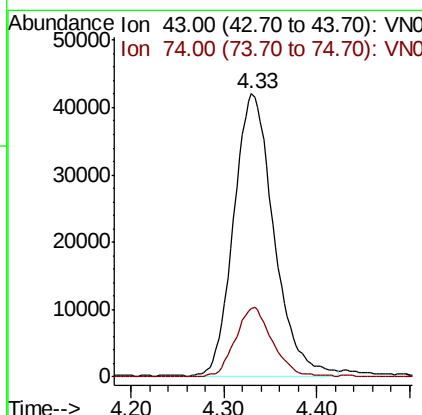
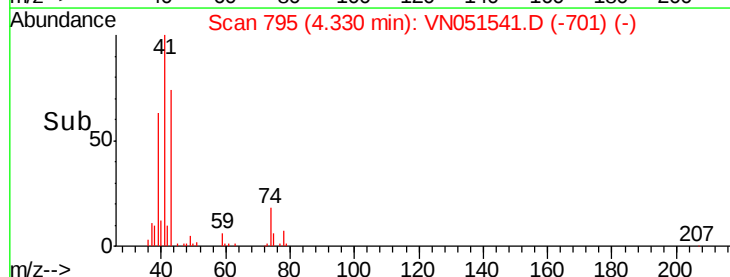
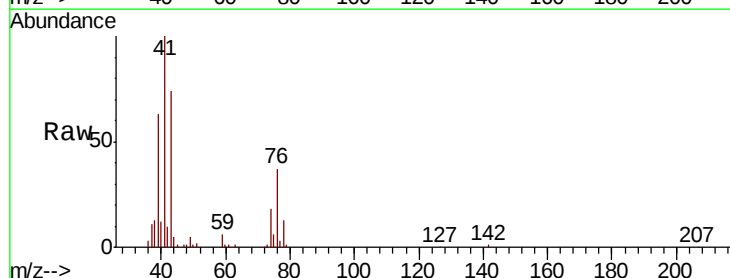
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#18
Methyl Acetate
Concen: 24.472 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.8	28.2





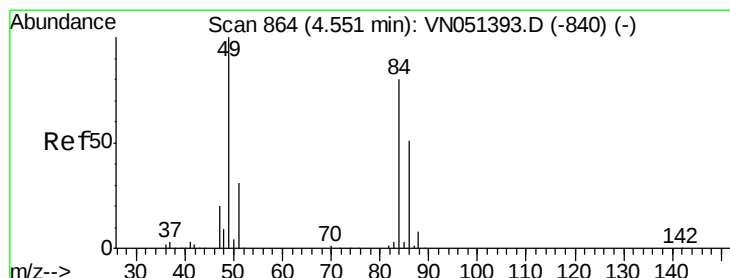
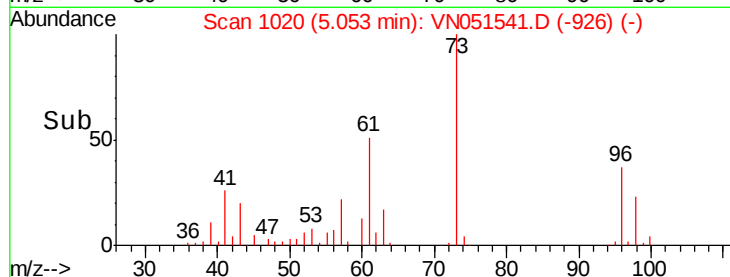
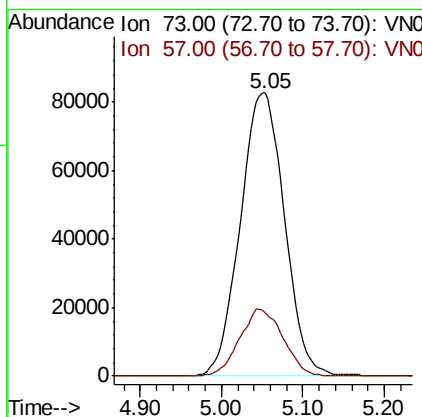
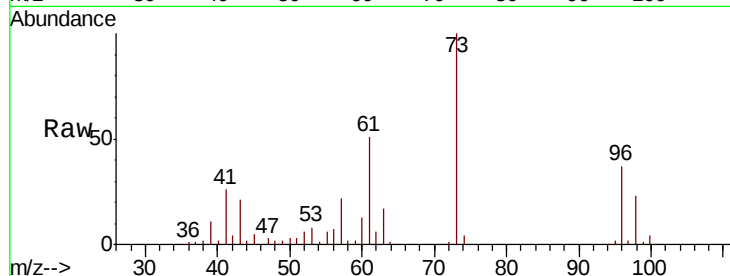
#19
Methvl tert-butvl Ether
Concen: 20.131 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion: 73 Resp: 310442
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

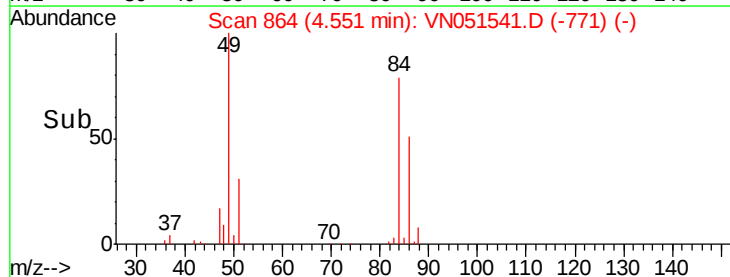
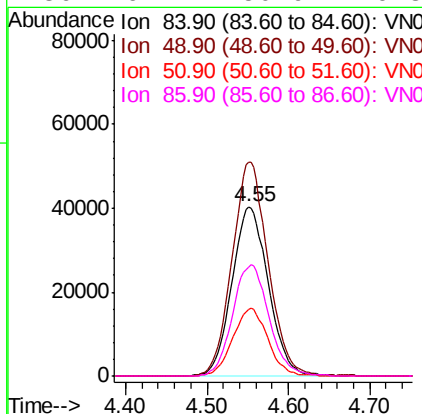
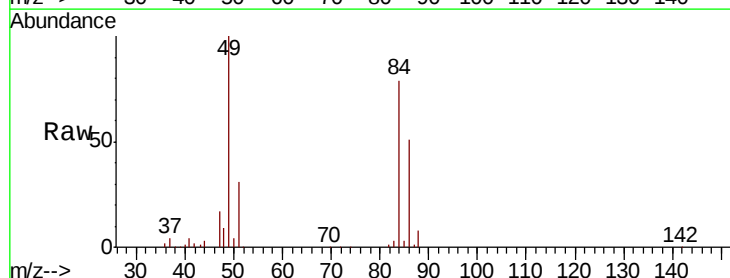
Manual Integrations
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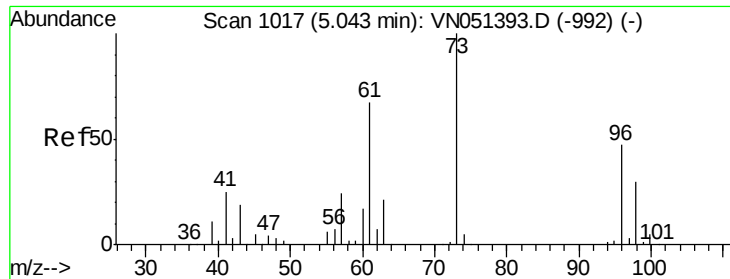
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#20
Methylene Chloride
Concen: 18.721 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 84 Resp: 124729
Ion Ratio Lower Upper
84 100
49 126.3 99.9 149.9
51 39.5 31.4 47.2
86 64.4 50.9 76.3





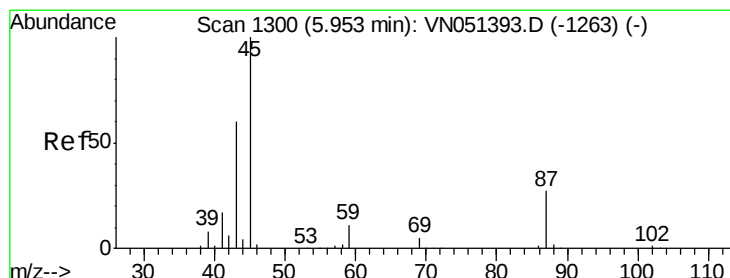
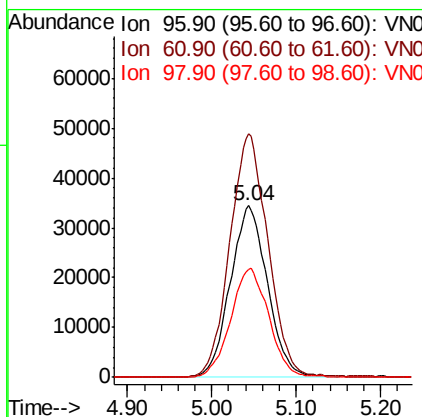
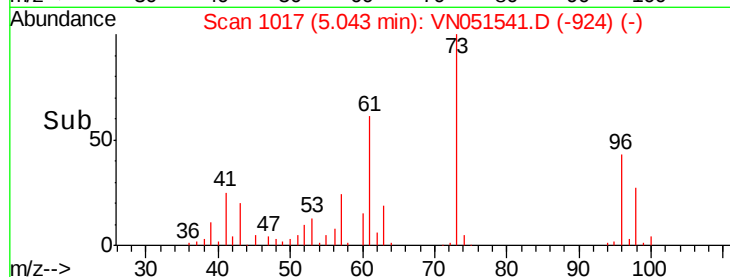
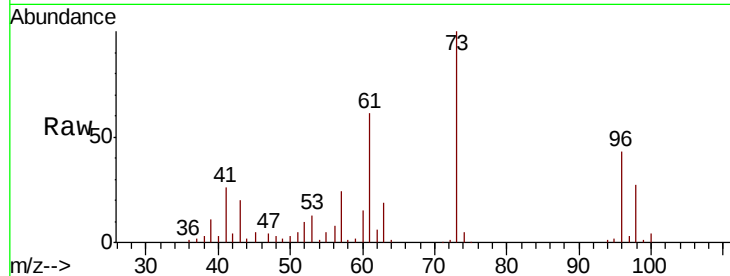
#21
trans-1,2-Dichloroethene
Concen: 17.318 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	113.4	170.2
98	63.0	51.1	76.7

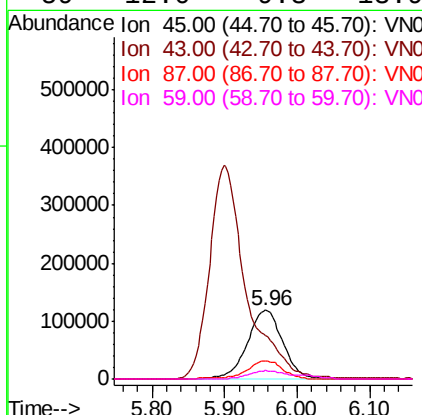
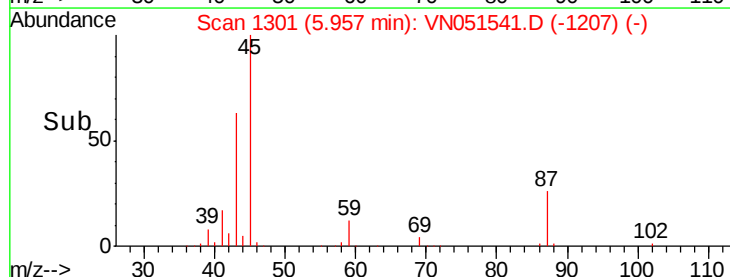
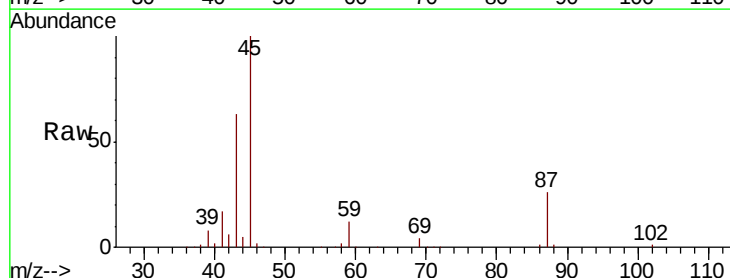
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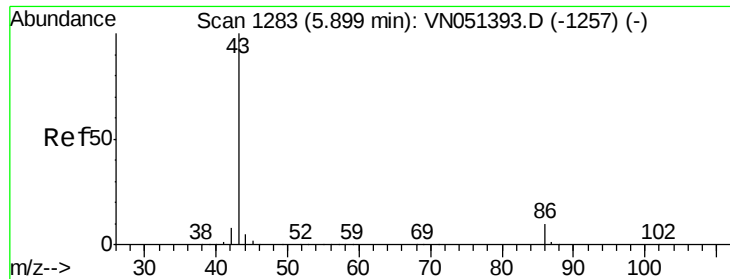
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#22
Diisopropyl ether
Concen: 20.750 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	47.7	71.5
87	25.7	22.0	33.0
59	12.0	9.3	13.9





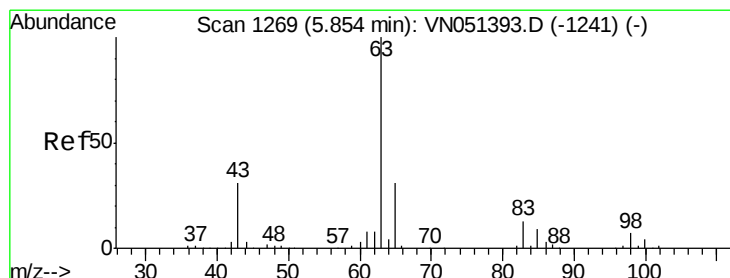
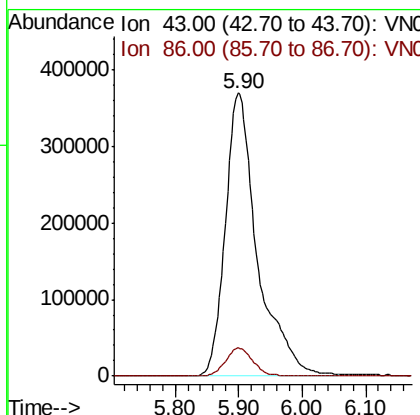
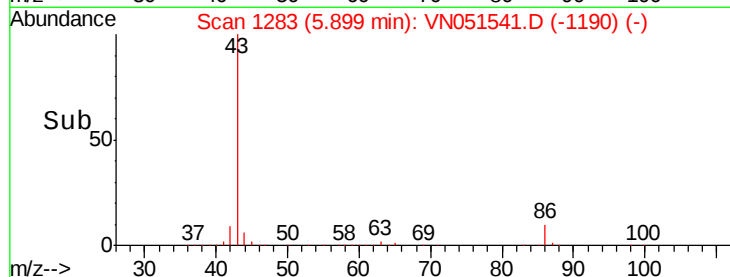
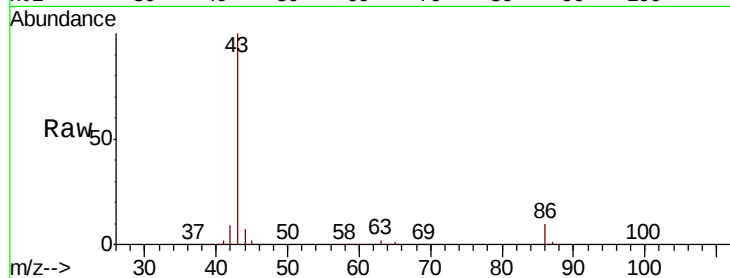
#23
 Vinyl Acetate
 Concen: 101.882 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion: 43 Resp: 1297261
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.2 12.2

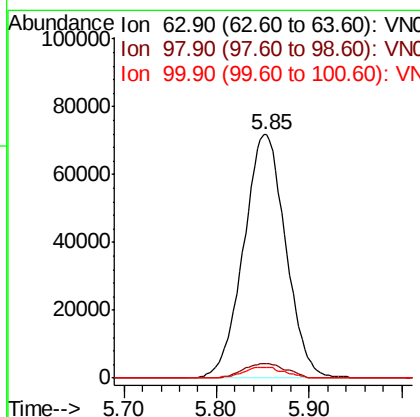
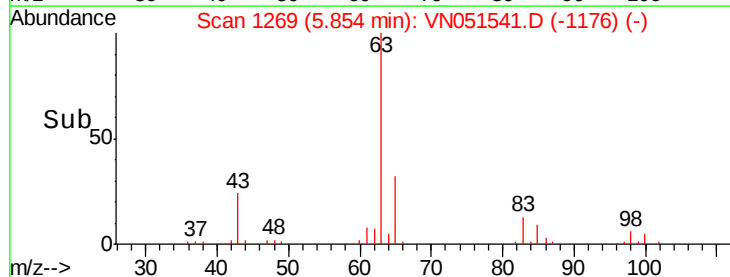
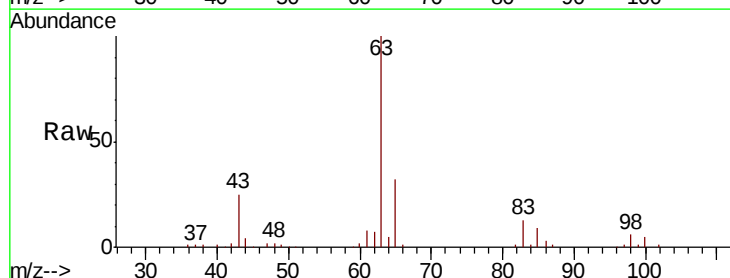
Manual Integrations
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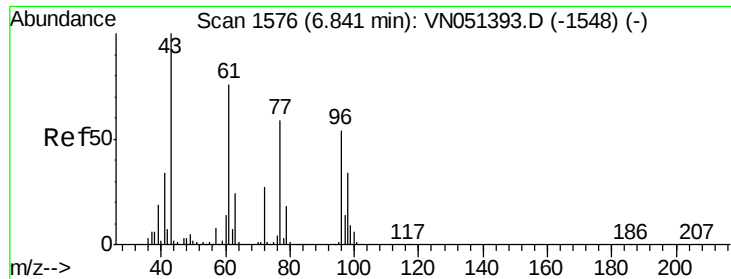
MMDadoda
 9/27/2018 3:18:43 PM



#24
 1,1-Dichloroethane
 Concen: 19.624 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion: 63 Resp: 227093
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 114.054 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 43 Resp: 262843

Ion Ratio Lower Upper

43 100

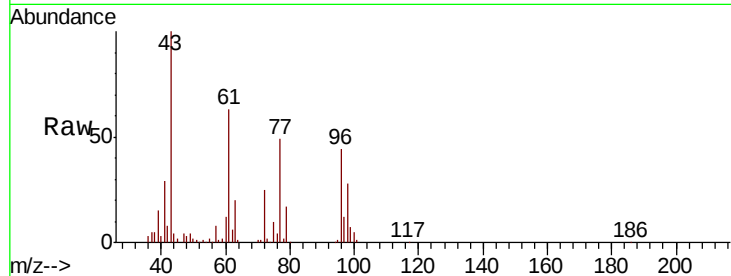
72 25.3 21.8 32.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

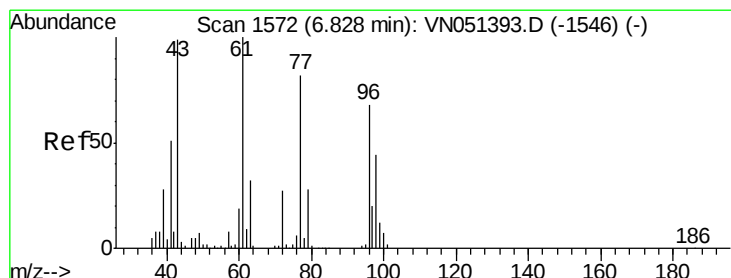
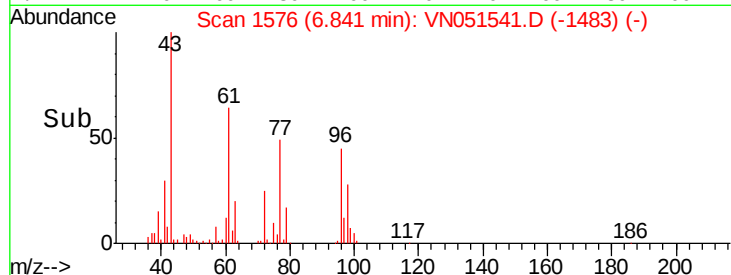
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 19.325 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051541.D

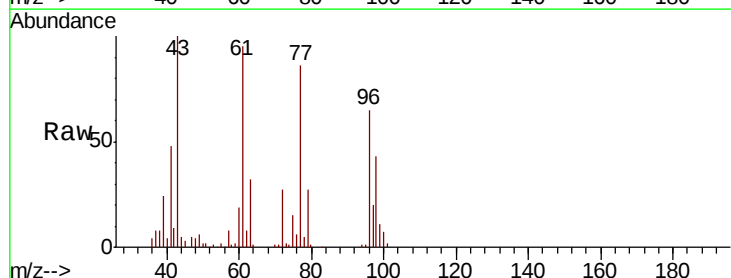
Acq: 26 Sep 2018 17:54

Tgt Ion: 77 Resp: 174565

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

60000

50000

40000

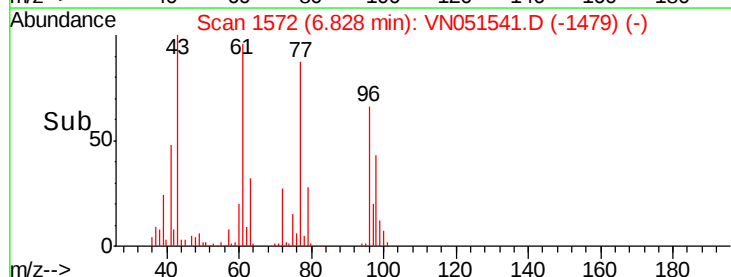
30000

20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 18.739 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

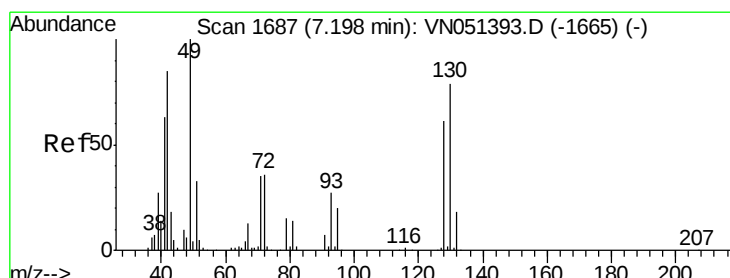
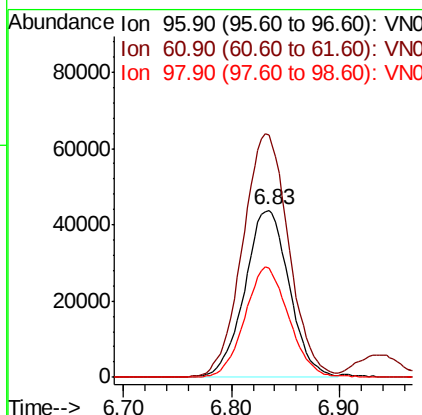
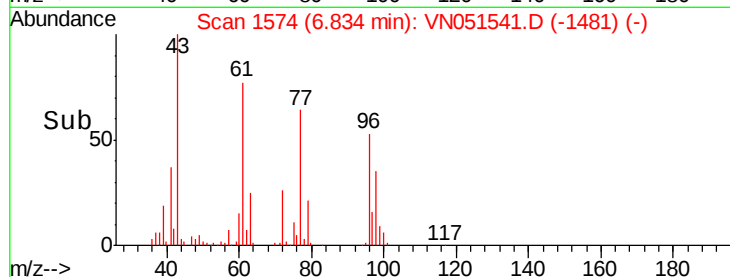
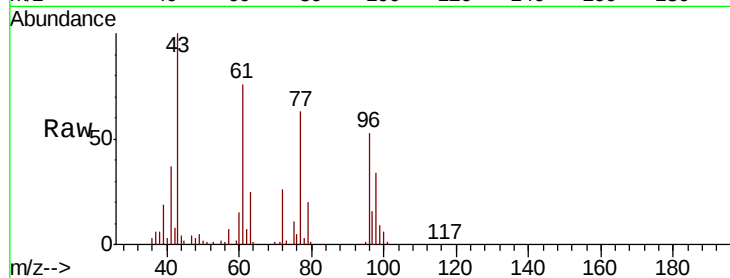
ClientSampleId :

VN0927WBS01

Tot Ion:	96	Resp:	125784
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	291.4
98	64.8	0.0	128.4

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#28

Bromochloromethane

Concen: 22.244 ug/l

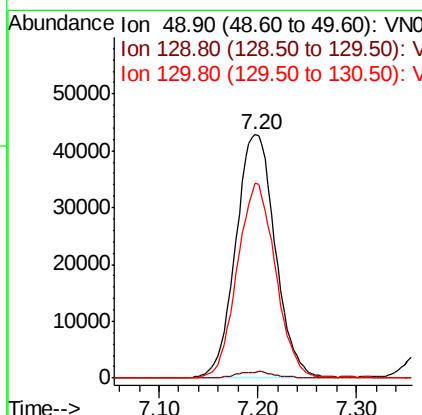
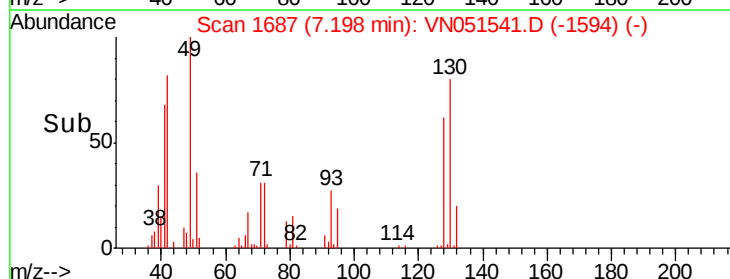
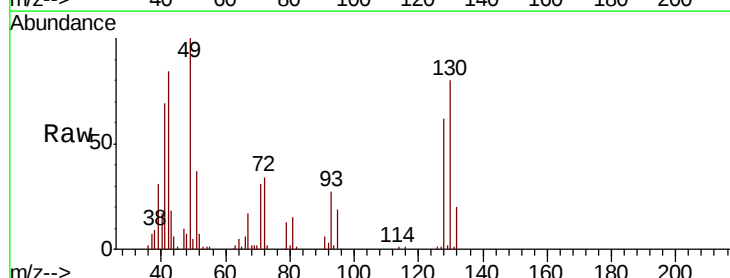
RT: 7.20 min Scan# 1687

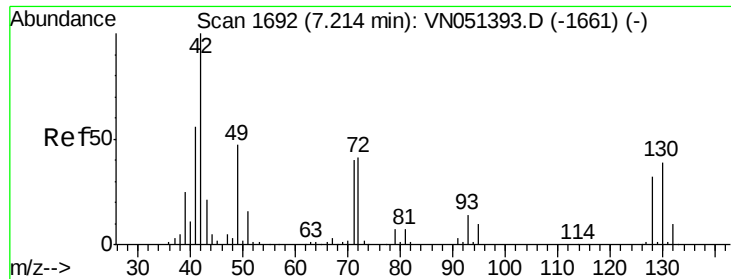
Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion:	49	Resp:	118871
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	77.5	63.0	94.4





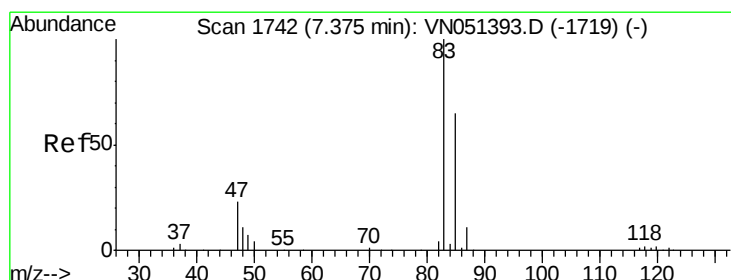
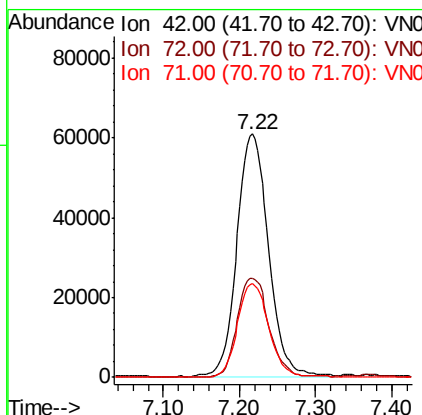
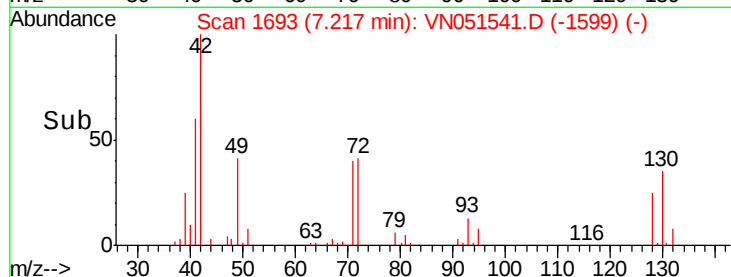
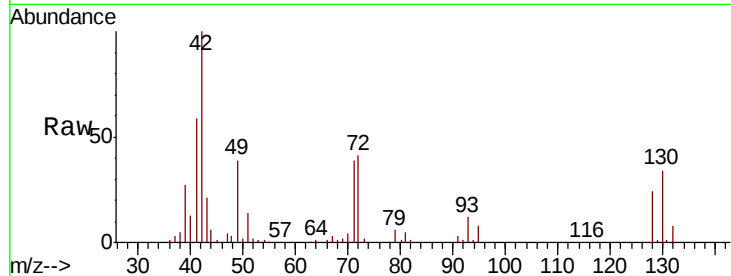
#29
Tetrahydrofuran
Concen: 121.552 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.3	51.5
71	37.9	32.2	48.4

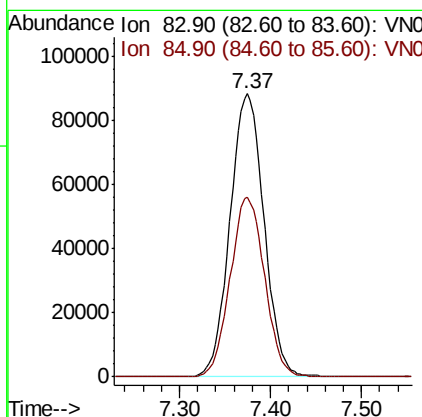
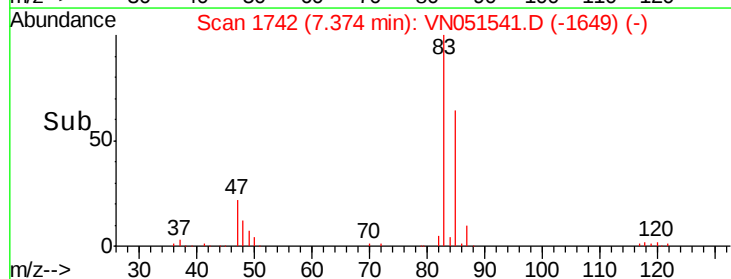
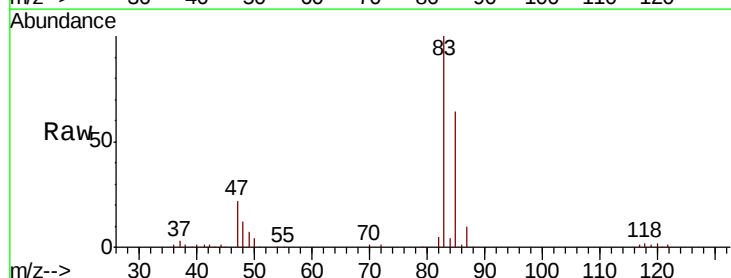
Manual Integrations
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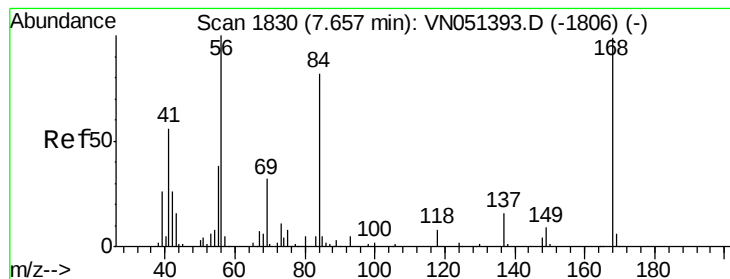
MMDadoda
9/27/2018 3:18:43 PM



#30
Chloroform
Concen: 20.037 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





#31

Cyclohexane

Concen: 17.114 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 56 Resp: 181448

Ion Ratio Lower Upper

56 100

69 37.4 25.8 38.6

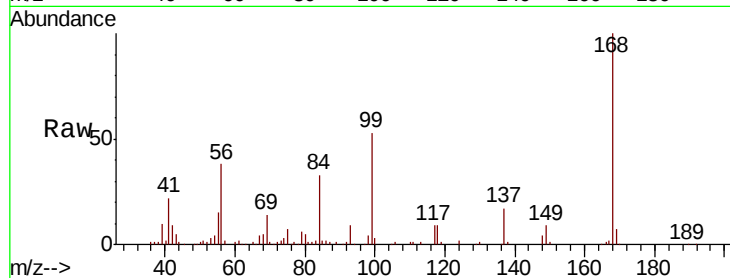
84 83.9 66.0 99.0

Manual Integrations

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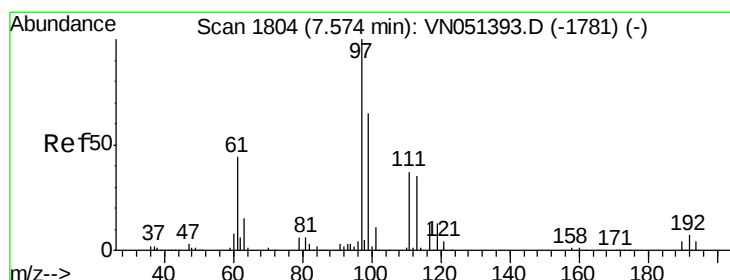
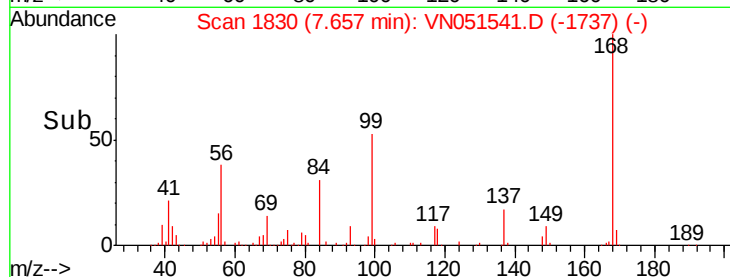
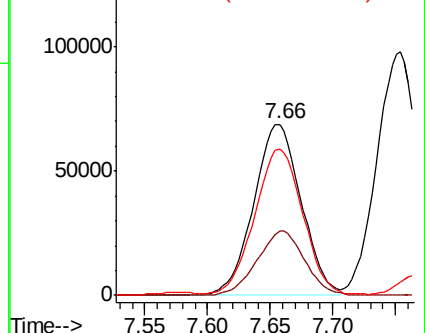
9/27/2018 3:18:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 18.880 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

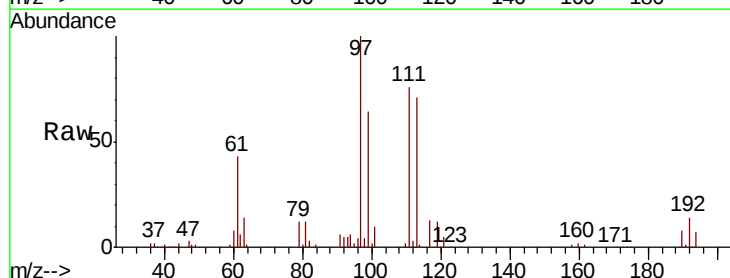
Tgt Ion: 97 Resp: 185075

Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

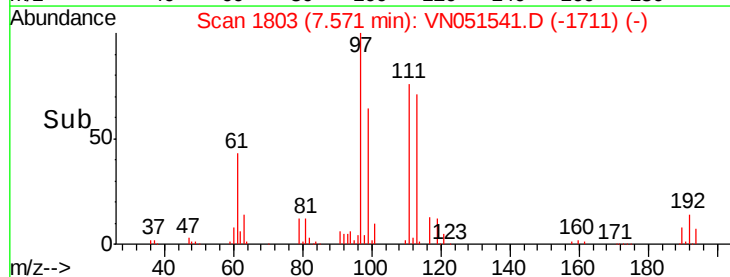
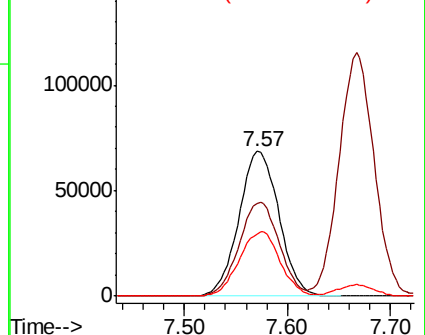
61 45.5 35.8 53.8

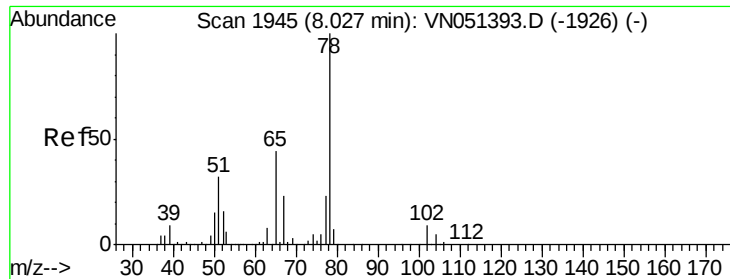


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 51.805 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 65 Resp: 348803

Ion Ratio Lower Upper

65 100

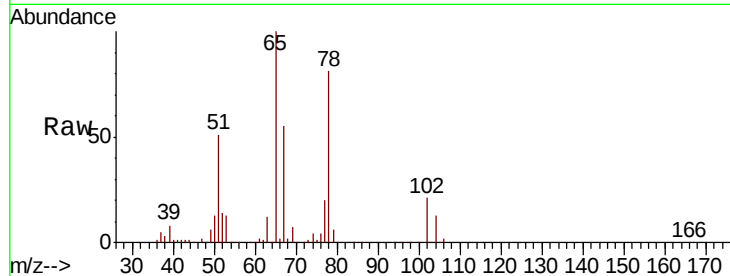
67 54.6 0.0 107.8

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Abundance Ion 64.90 (64.60 to 65.60): VN051393.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051393.D (-1926) (-)

8.03

150000

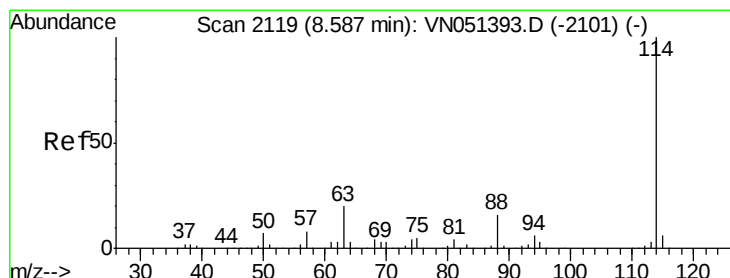
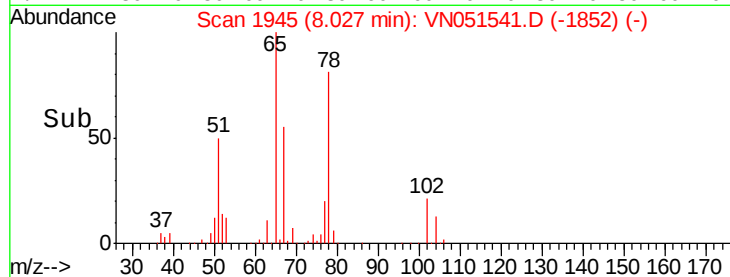
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

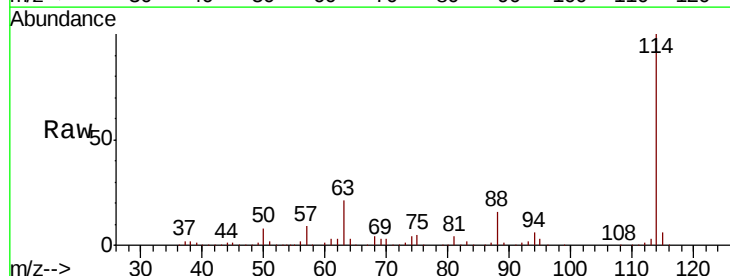
Tgt Ion: 114 Resp: 791077

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN051393.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051393.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051393.D (-2101) (-)

8.59

500000

400000

300000

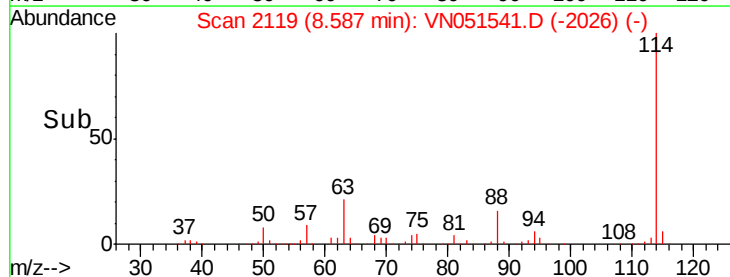
200000

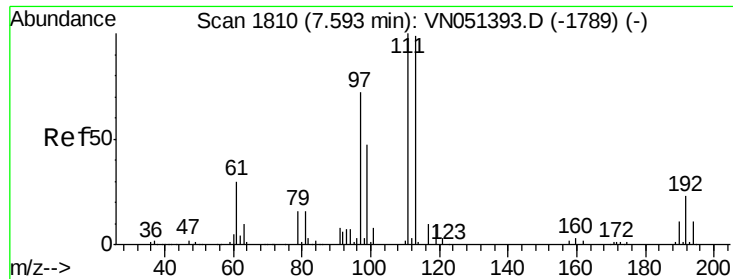
100000

0

8.50 8.60 8.70

Time-->





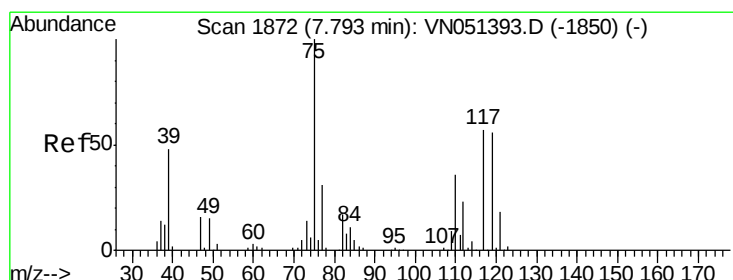
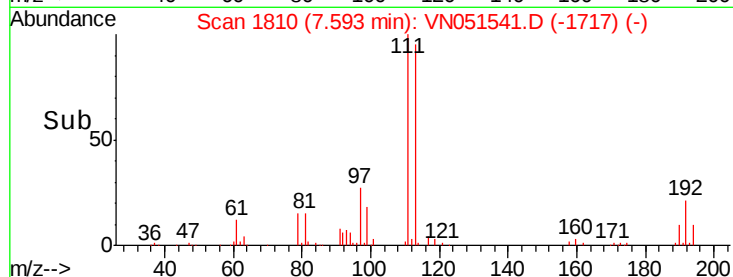
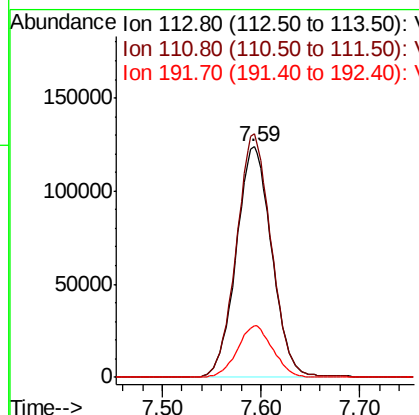
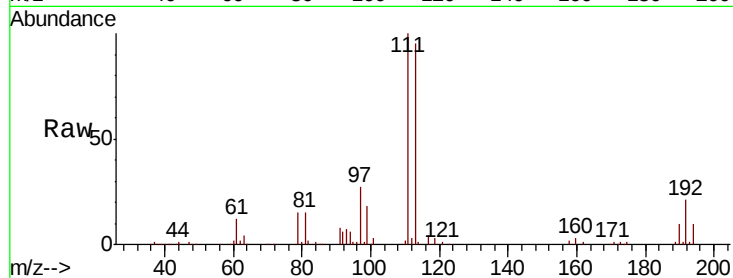
#35
 Dibromofluoromethane
 Concen: 48.927 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.1	82.6	123.8	
192	22.3	18.0	27.0	

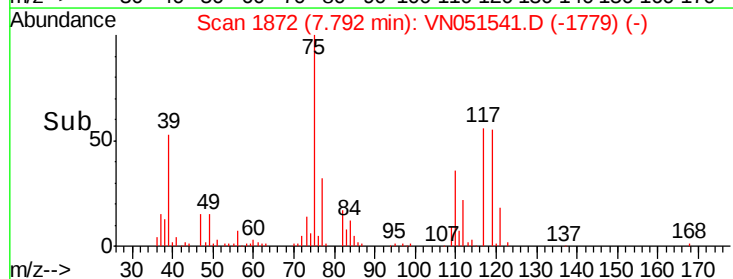
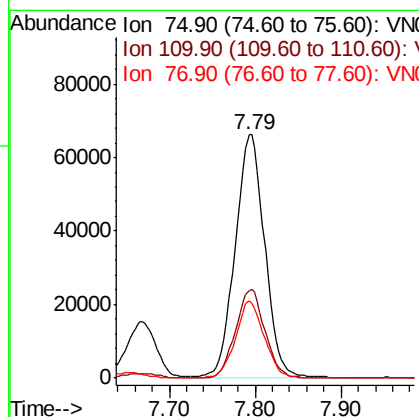
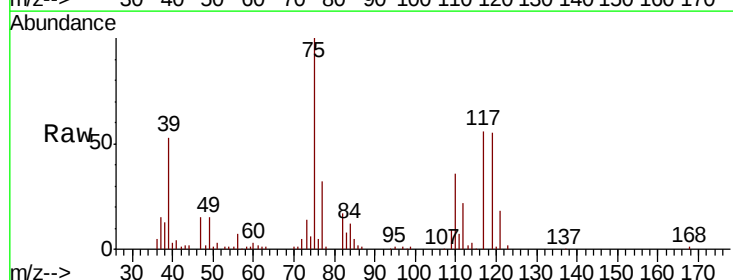
Manual Integrations
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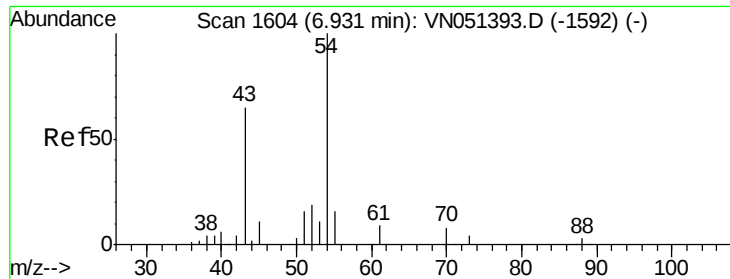
MMDadoda
 9/27/2018 3:18:43 PM



#36
 1,1-Dichloropropene
 Concen: 17.218 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.1	54.3	
77	30.9	25.6	38.4	





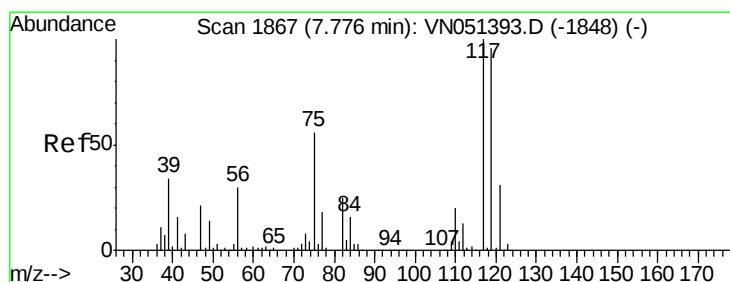
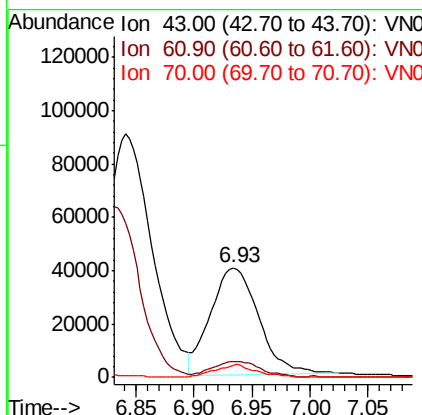
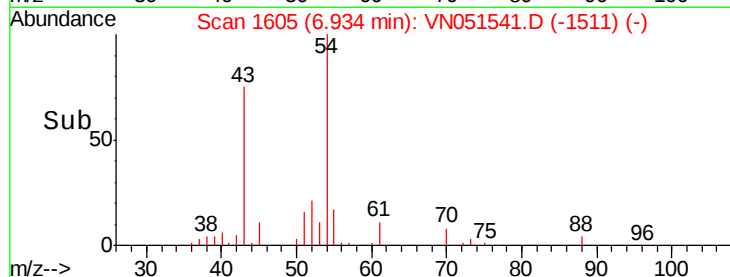
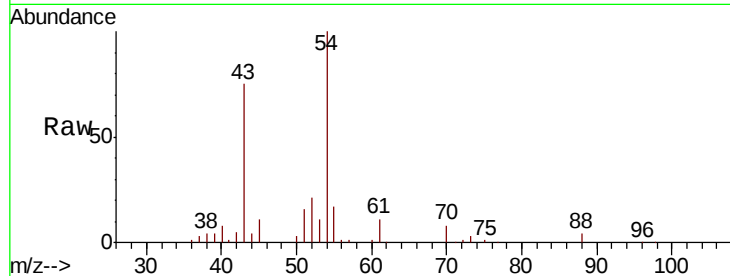
#37
Ethyl Acetate
Concen: 22.119 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.4	7.9	11.9

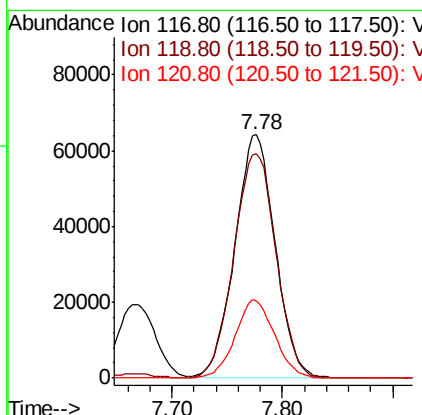
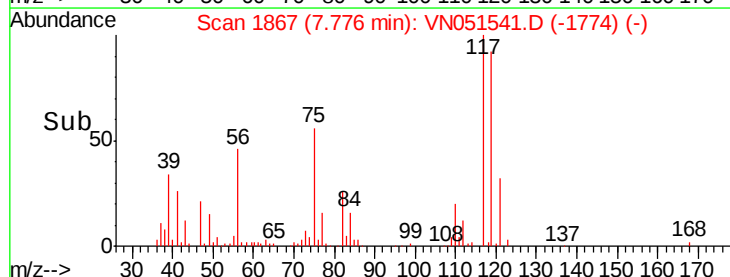
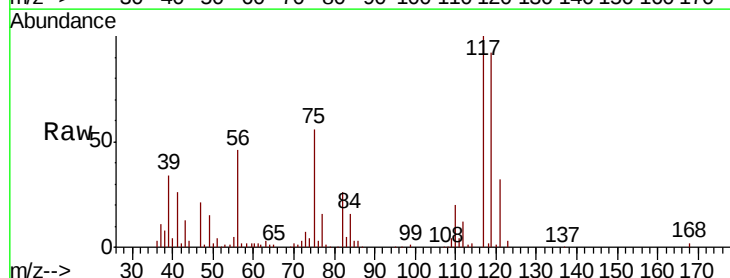
Manual Integrations
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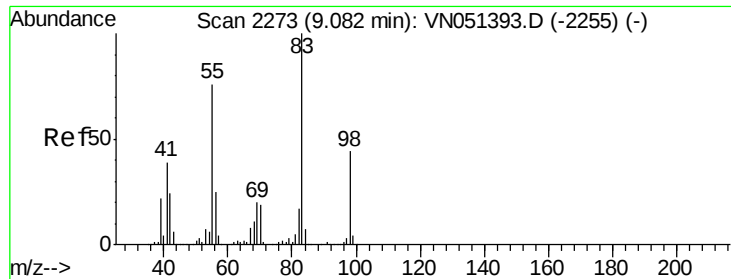
MMDadoda
9/27/2018 3:18:43 PM



#38
Carbon Tetrachloride
Concen: 16.980 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.9	115.3
121	31.7	24.6	37.0





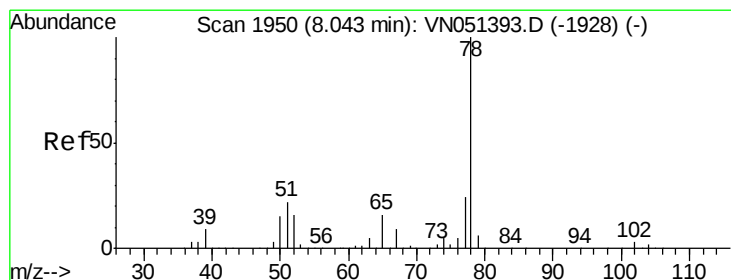
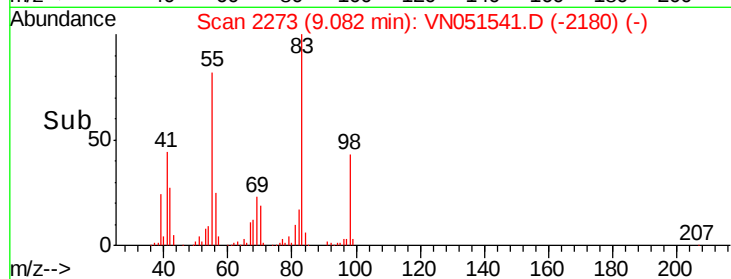
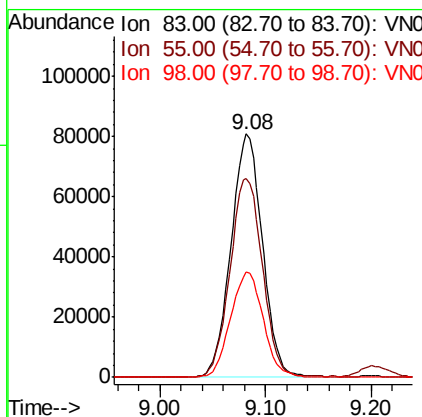
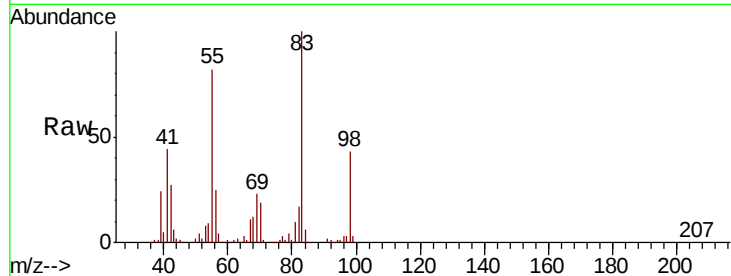
#39
Methvlcvclohexane
Concen: 15.659 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	61.0	91.4
98	43.2	35.6	53.4

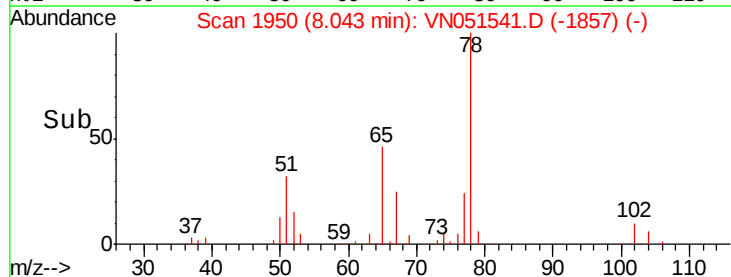
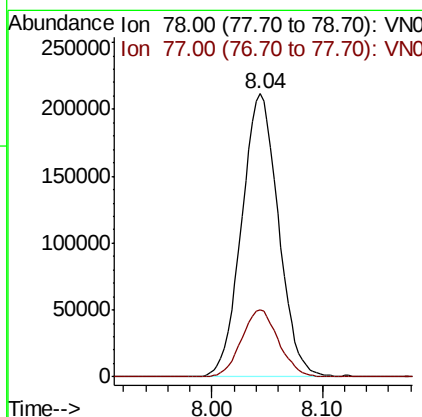
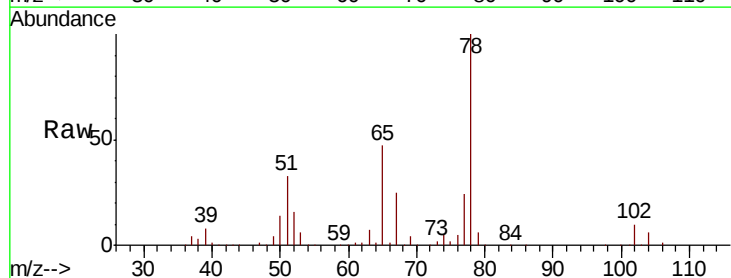
Manual Integrations
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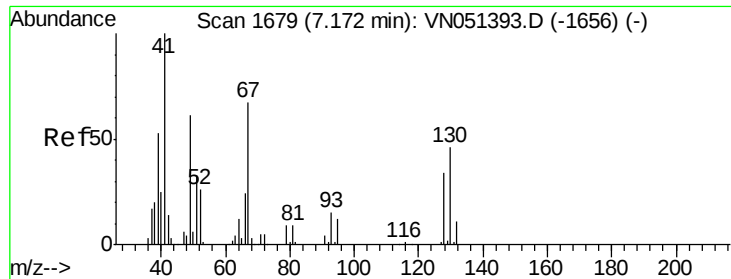
MMDadoda
9/27/2018 3:18:43 PM



#40
Benzene
Concen: 18.234 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





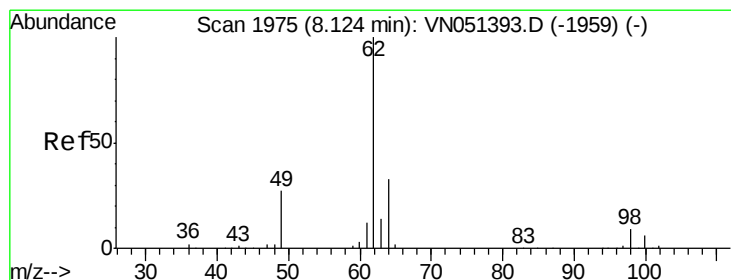
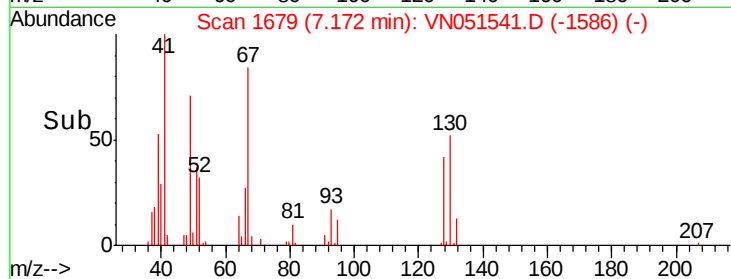
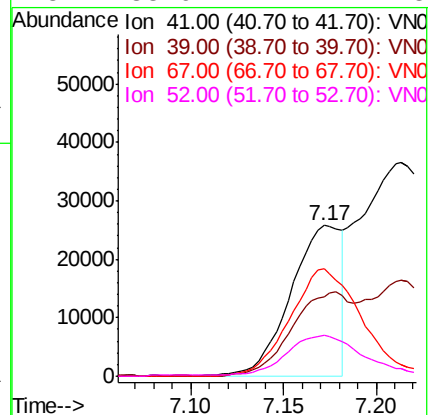
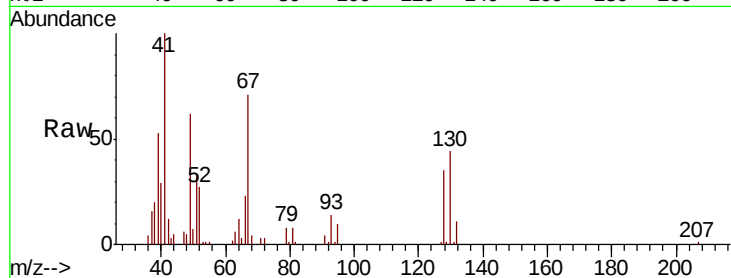
#41
Methacrylonitrile
Concen: 16.858 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	51.4	77.2
67	101.1	66.8	100.2
52	38.9	27.7	41.5

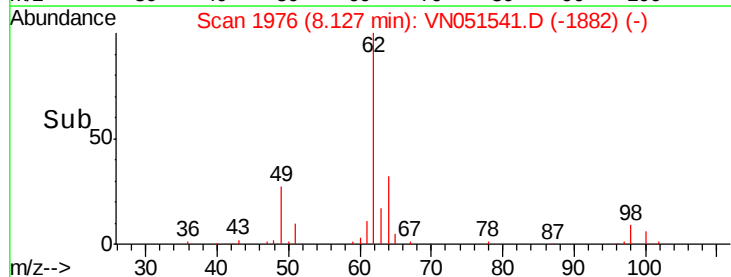
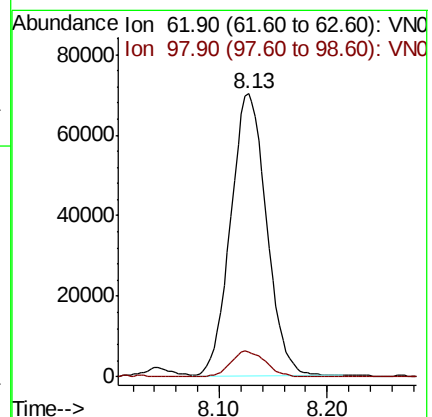
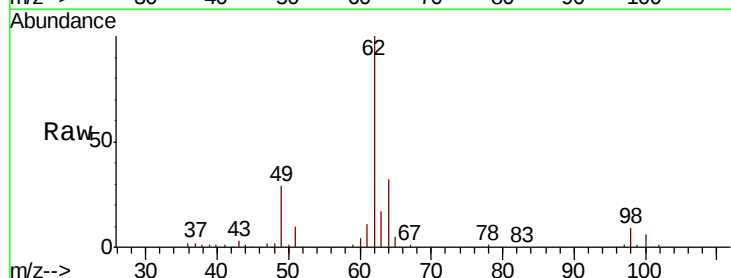
Manual Integrations
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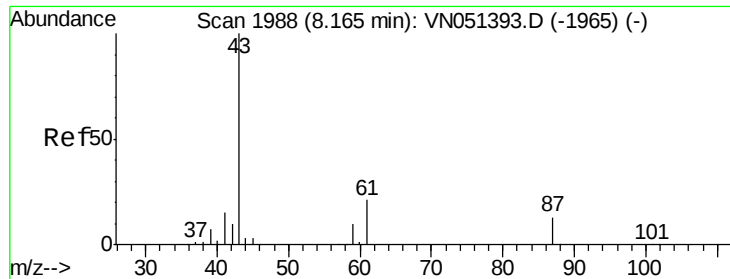
MMDadoda
9/27/2018 3:18:43 PM



#42
1,2-Dichloroethane
Concen: 18.883 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 22.294 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

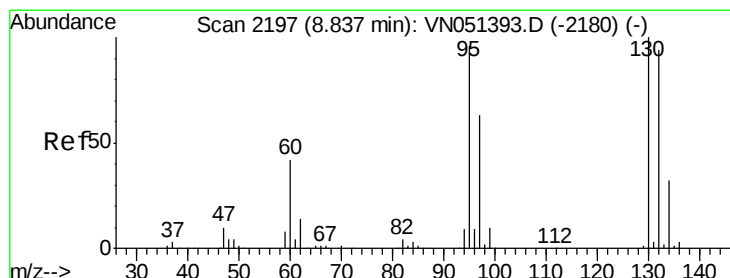
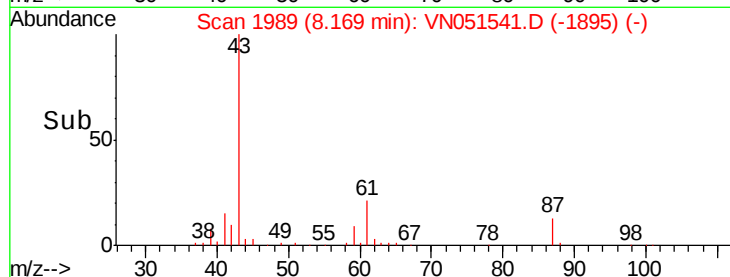
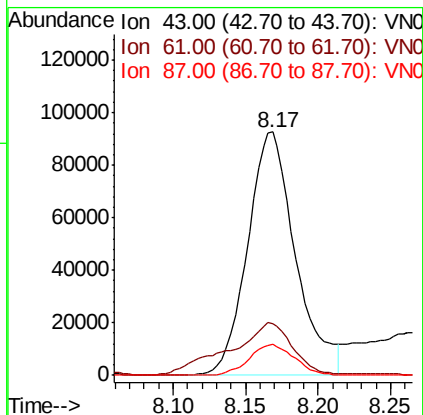
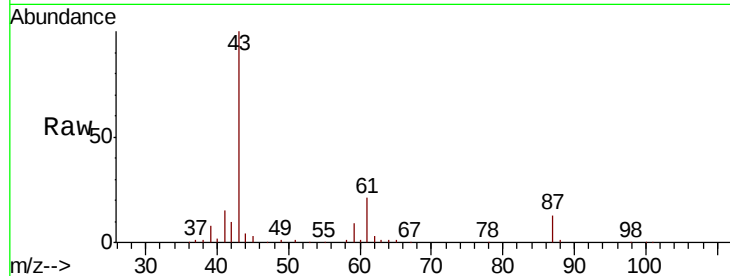
ClientSampleId :

VN0927WBS01

Tot Ion:	43	Resp:	212334
Ion	Ratio	Lower	Upper
43	100		
61	28.0	16.8	25.2#
87	12.2	10.7	16.1

Manual Integrations
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9/27/2018 3:18:43 PM



#44

Trichloroethene

Concen: 17.542 ug/l

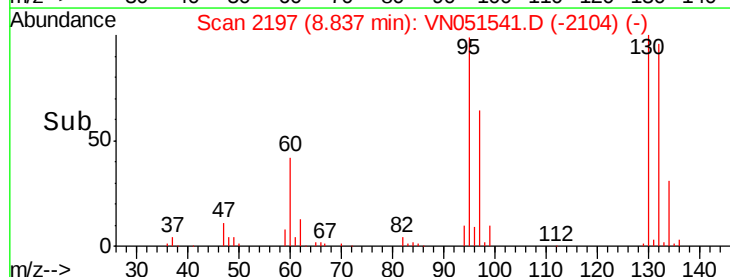
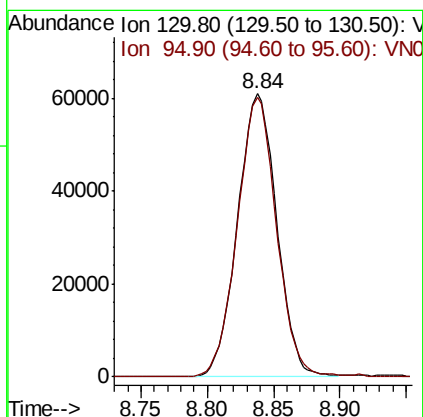
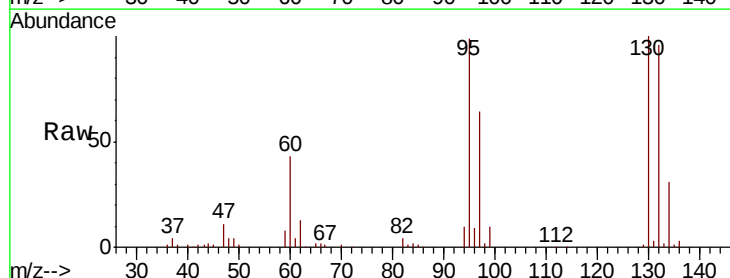
RT: 8.84 min Scan# 2197

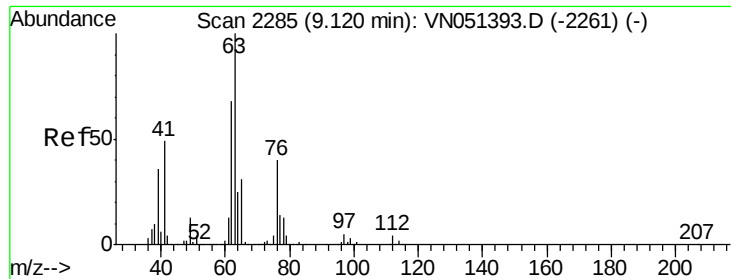
Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion:	130	Resp:	125327
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	192.2





#45

1,2-Dichloropropane

Concen: 19.110 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 63 Resp: 139725

Ion Ratio Lower Upper

63 100

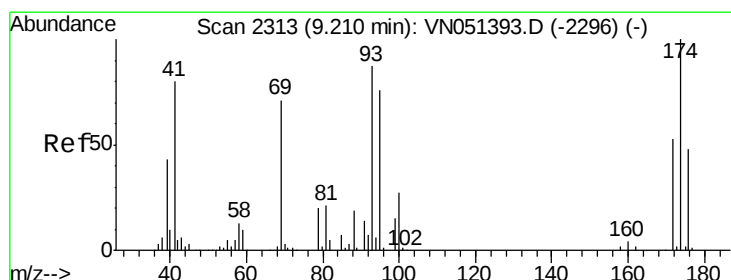
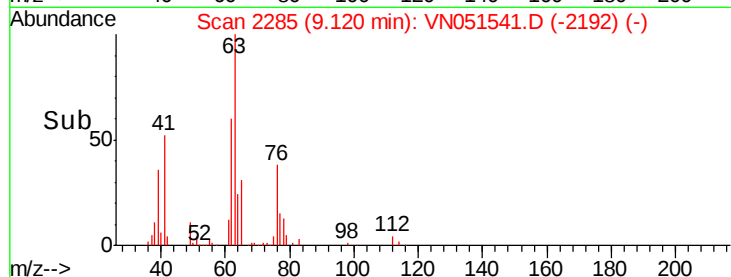
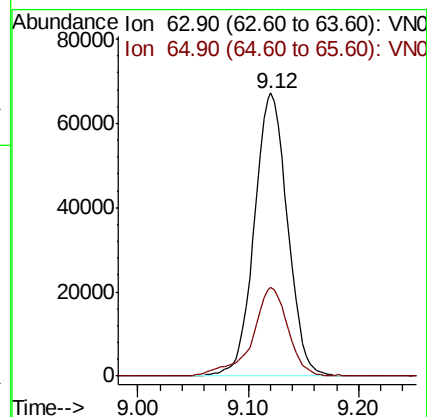
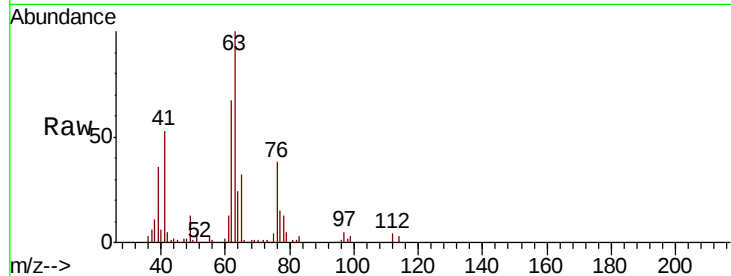
65 31.5 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 19.414 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

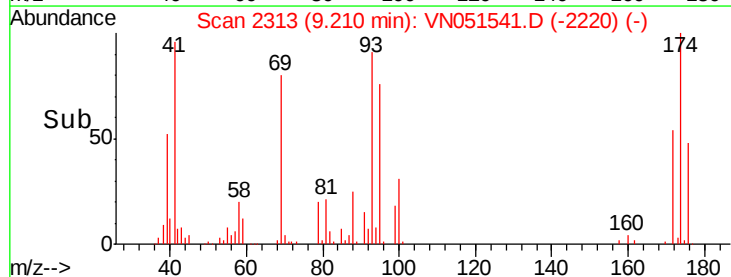
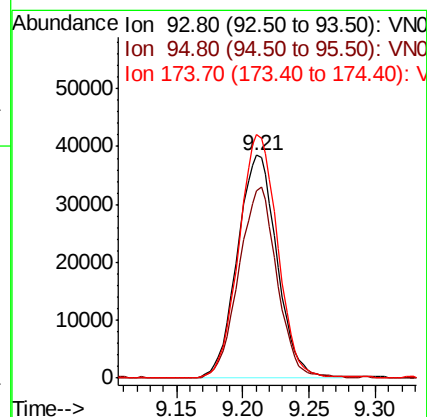
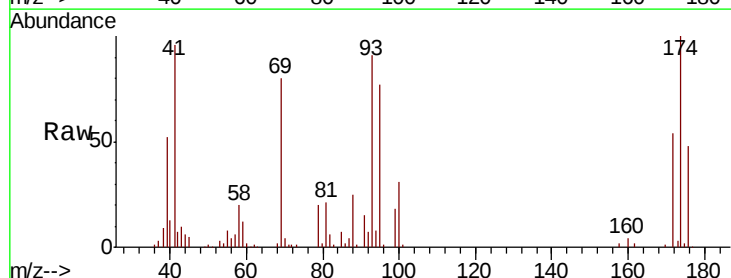
Tgt Ion: 93 Resp: 80204

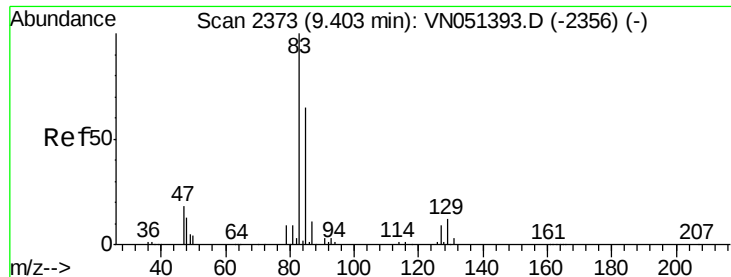
Ion Ratio Lower Upper

93 100

95 82.3 67.6 101.4

174 106.6 89.6 134.4





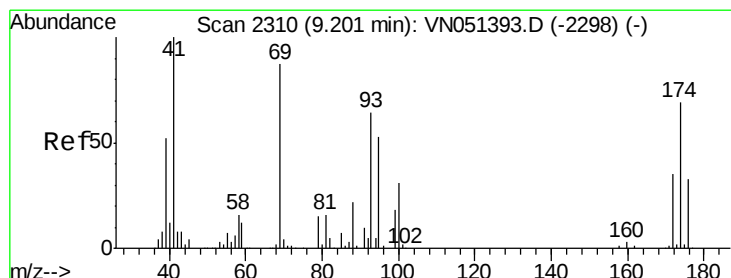
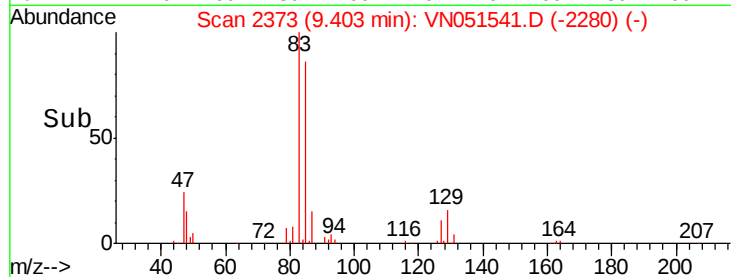
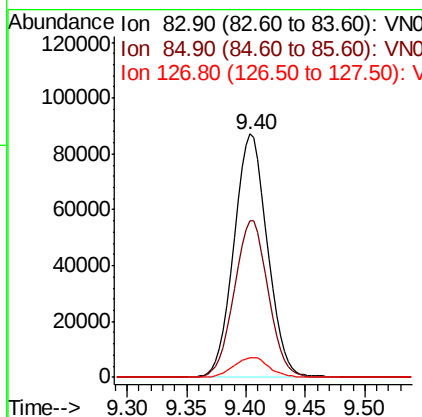
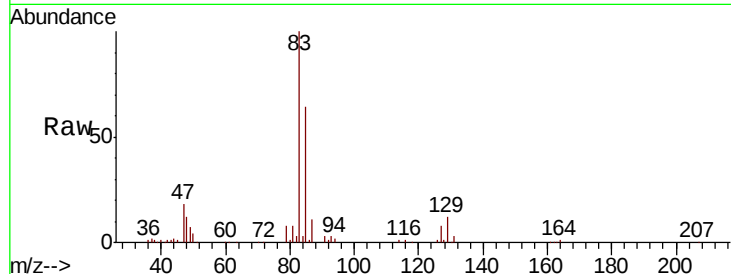
#47
Bromodichloromethane
Concen: 18.619 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	170227		
85	64.3	51.8	77.6	
127	8.2	7.4	11.2	

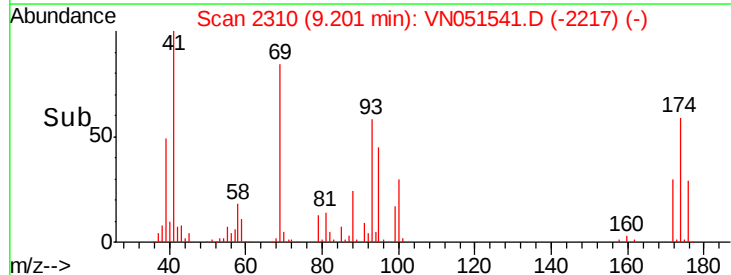
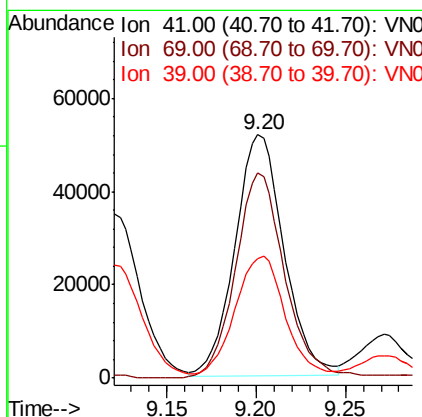
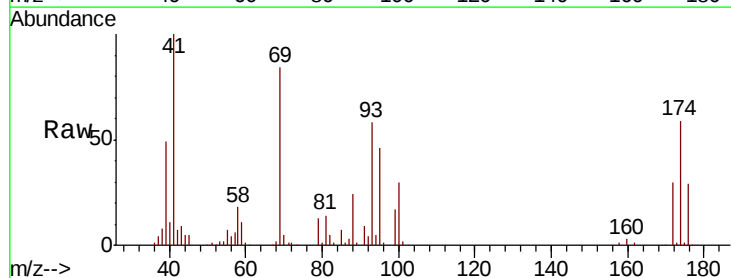
Manual Integrations
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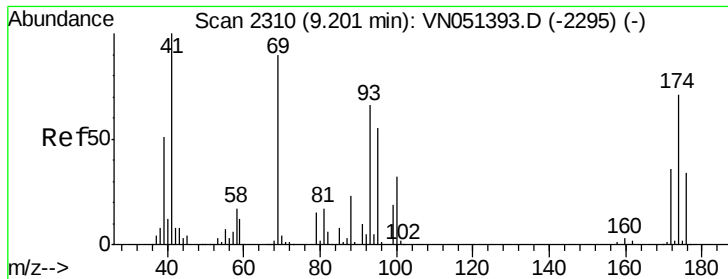
MMDadoda
9/27/2018 3:18:43 PM



#48
Methyl methacrylate
Concen: 21.026 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	99841		
69	85.3	70.4	105.6	
39	50.9	43.8	65.8	





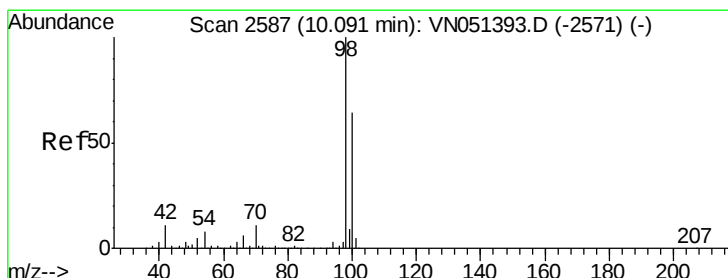
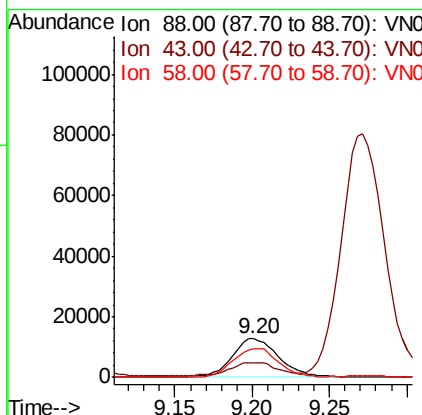
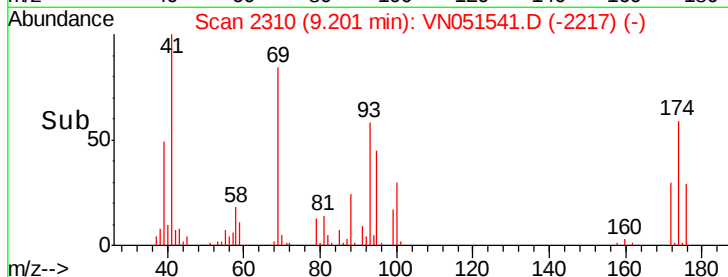
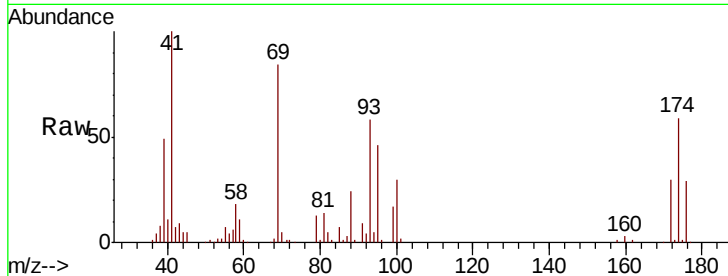
#49
1,4-Dioxane
Concen: 458.313 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.9	38.9
58	73.2	57.0	85.4

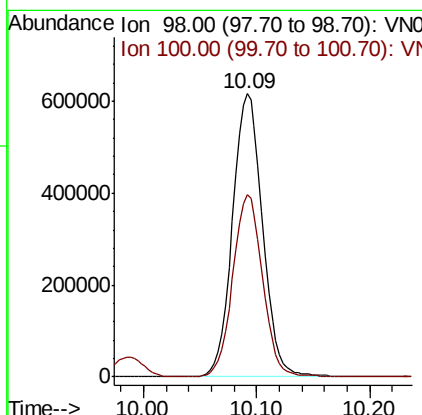
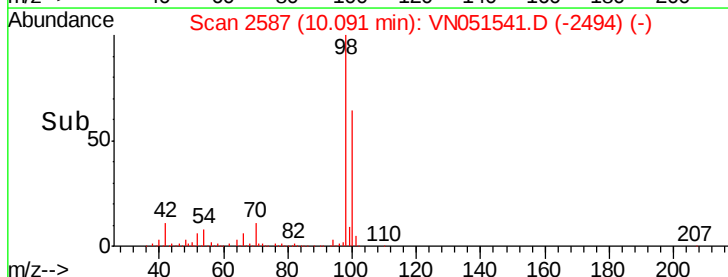
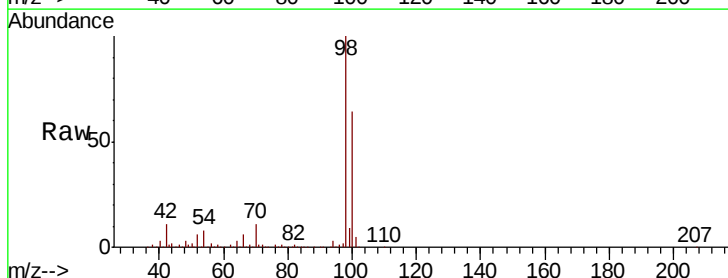
Manual Integrations
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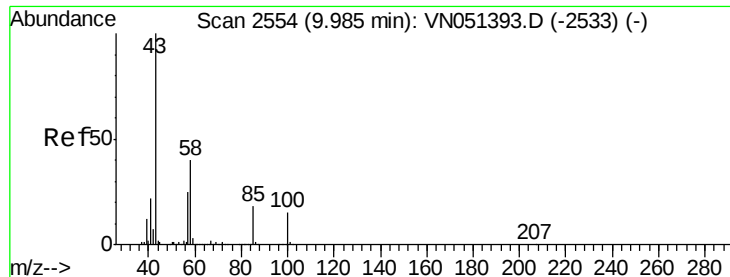
MMDadoda
9/27/2018 3:18:43 PM



#50
Toluene-d8
Concen: 47.794 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 114.385 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 43 Resp: 599158

Ion Ratio Lower Upper

43 100

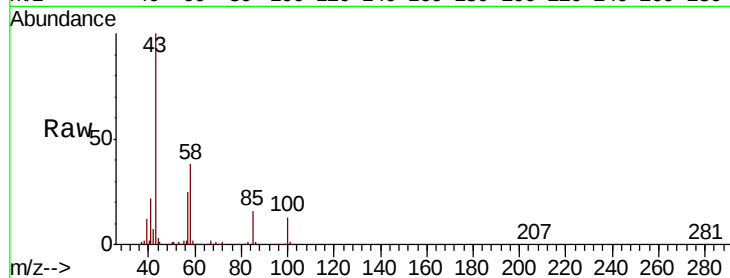
58 37.9 31.5 47.3

Manual Integrations

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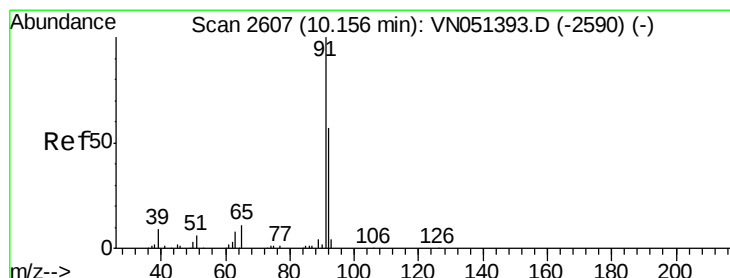
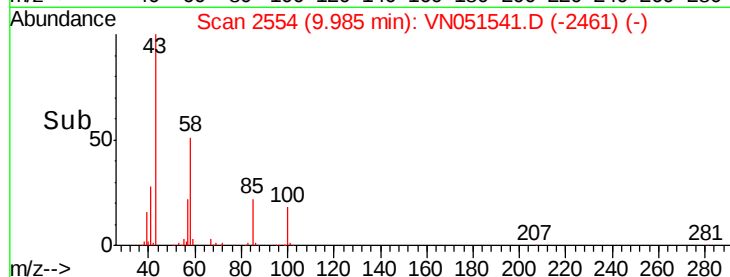
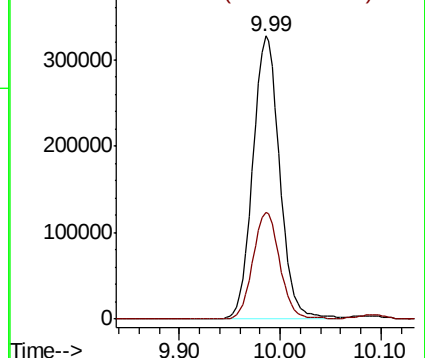
MMDadoda

9/27/2018 3:18:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.834 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051541.D

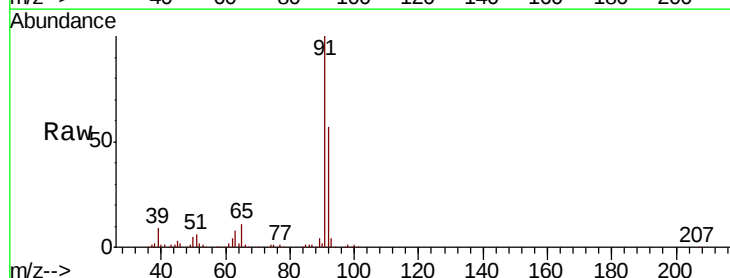
Acq: 26 Sep 2018 17:54

Tgt Ion: 92 Resp: 298121

Ion Ratio Lower Upper

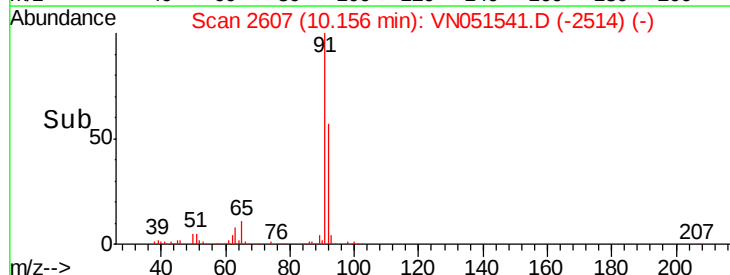
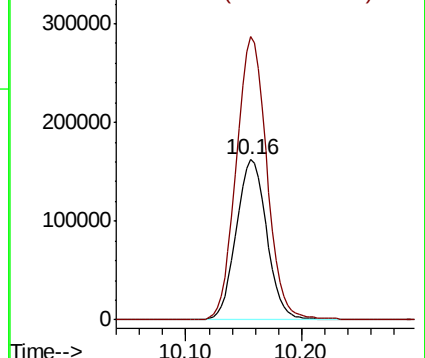
92 100

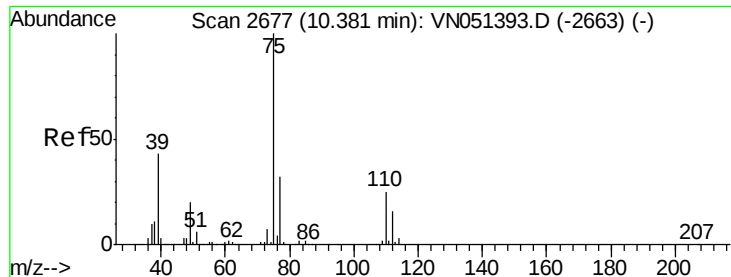
91 176.9 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.119 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion: 75 Resp: 167241

Ion Ratio Lower Upper

75 100

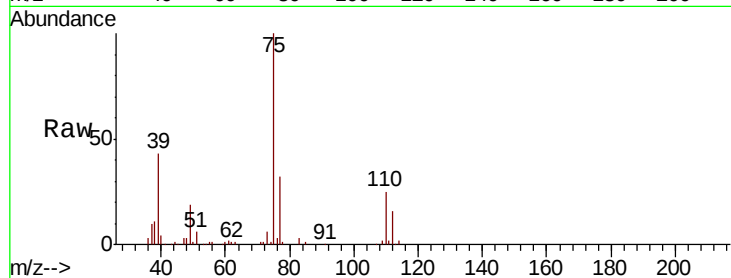
77 31.8 25.8 38.8

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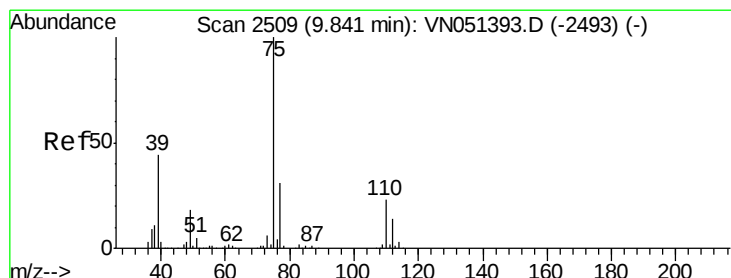
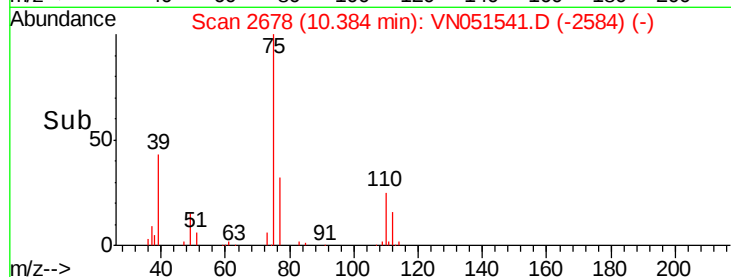
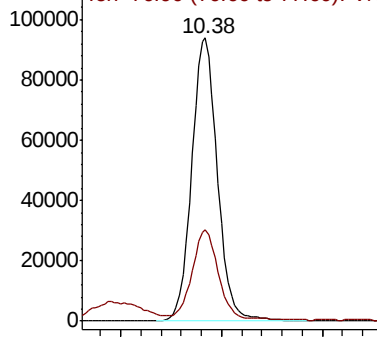
MMDadoda

9/27/2018 3:18:43 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.209 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

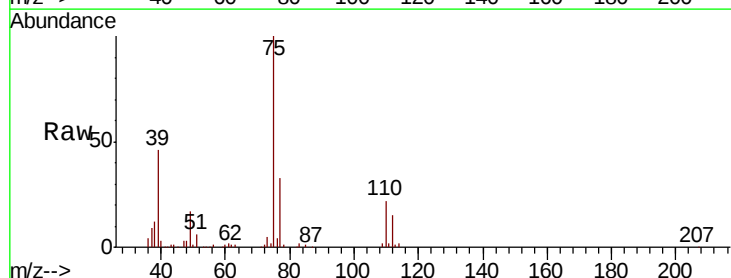
Tgt Ion: 75 Resp: 194903

Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

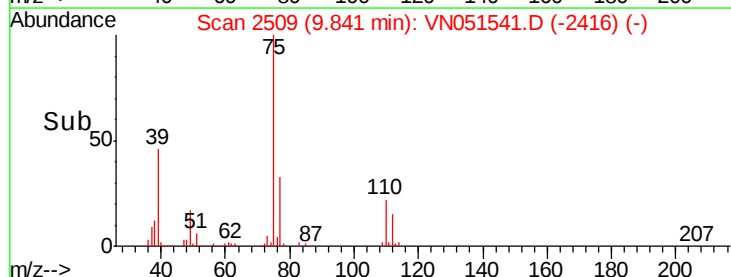
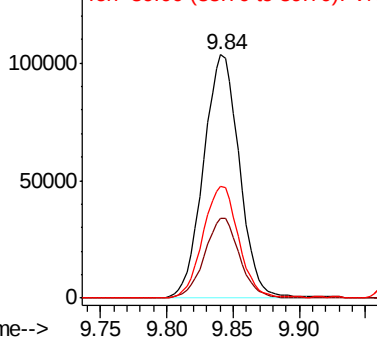
39 45.8 35.4 53.2

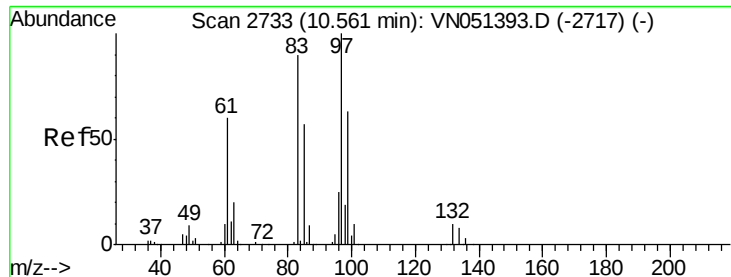


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





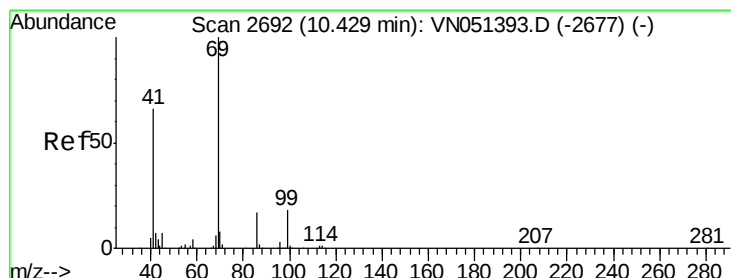
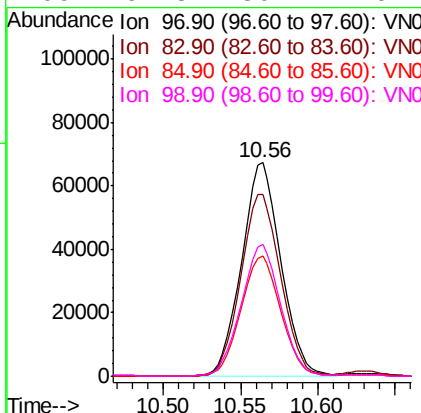
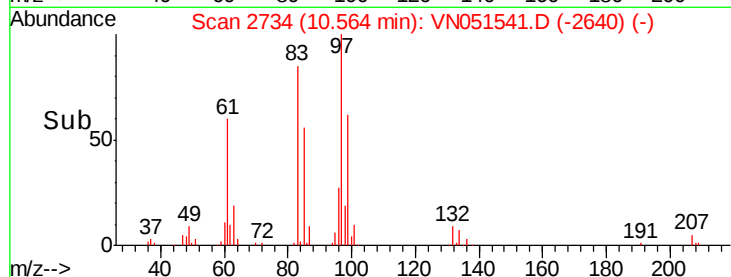
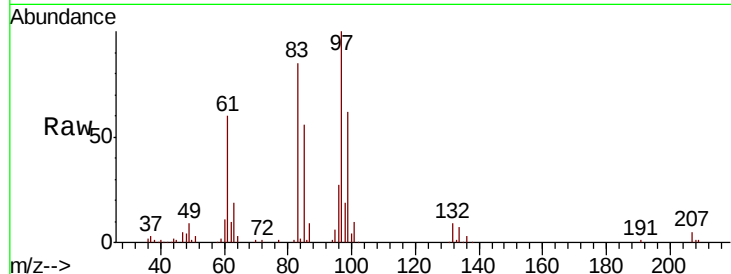
#55
 1,1,2-Trichloroethane
 Concen: 20.173 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion:	97	Resp:	119179
Ion	Ratio	Lower	Upper
97	100		
83	84.8	72.0	108.0
85	56.3	45.2	67.8
99	61.3	50.7	76.1

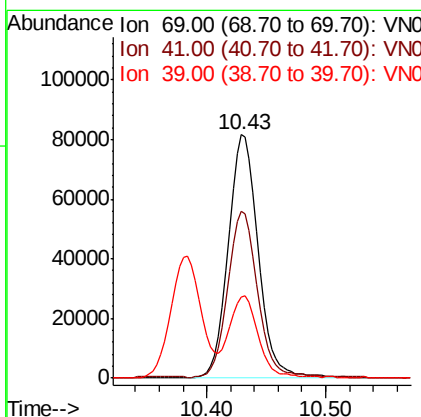
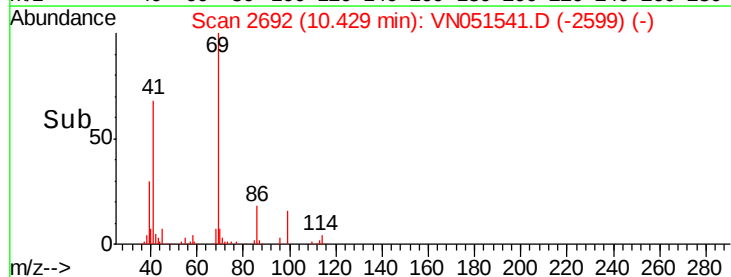
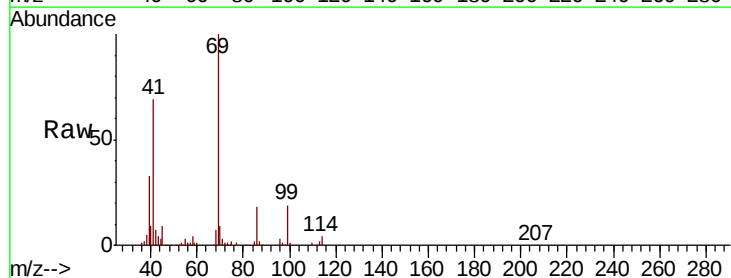
Manual Integrations
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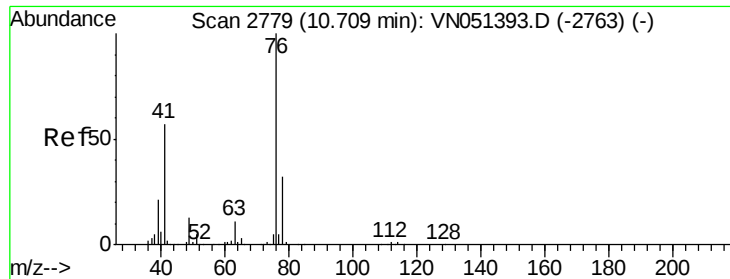
MMDadoda
 9/27/2018 3:18:43 PM



#56
 Ethyl methacrylate
 Concen: 19.769 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion:	69	Resp:	142789
Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.4	78.6
39	32.2	26.3	39.5





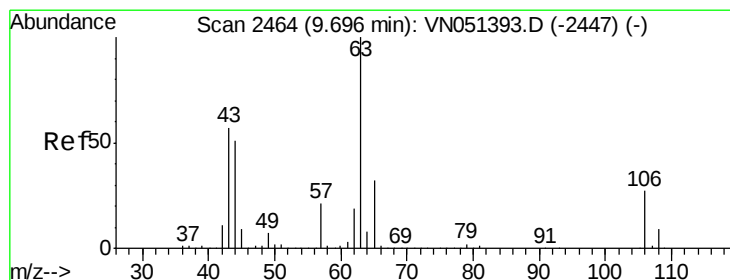
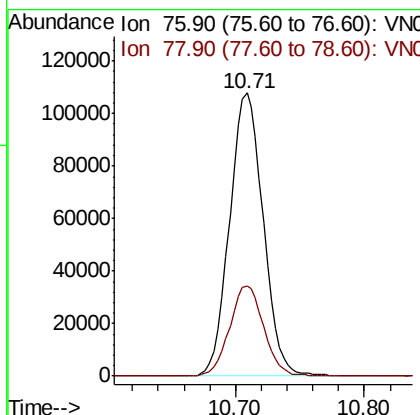
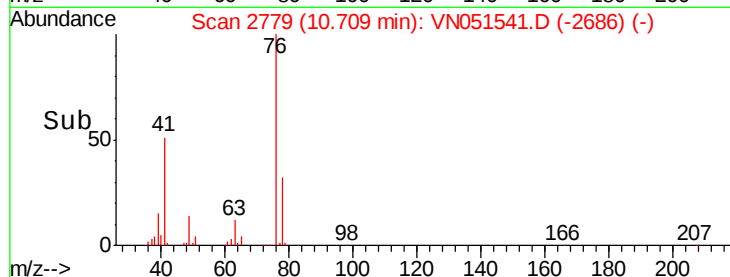
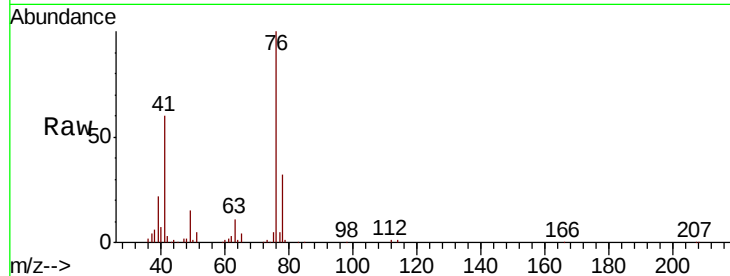
#57
 1,3-Dichloropropane
 Concen: 19.243 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

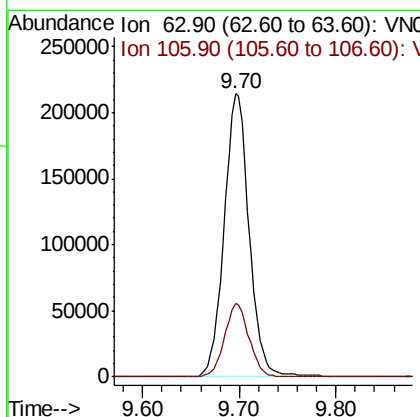
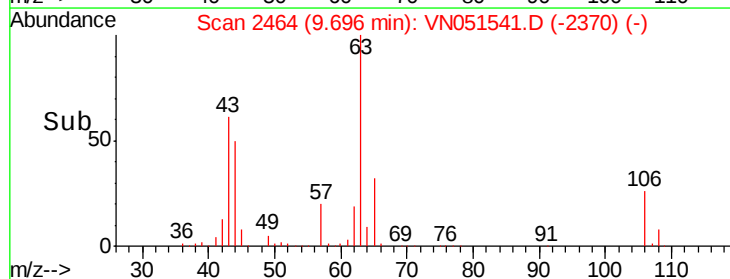
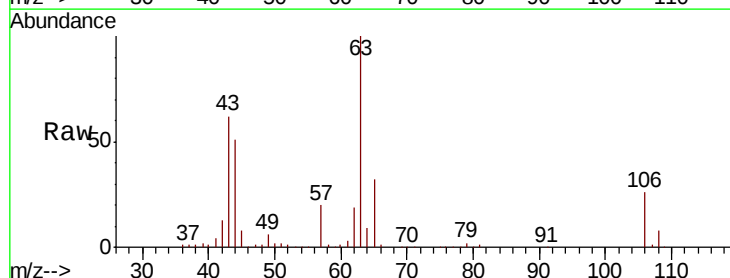
Manual Integrations
 APPROVED

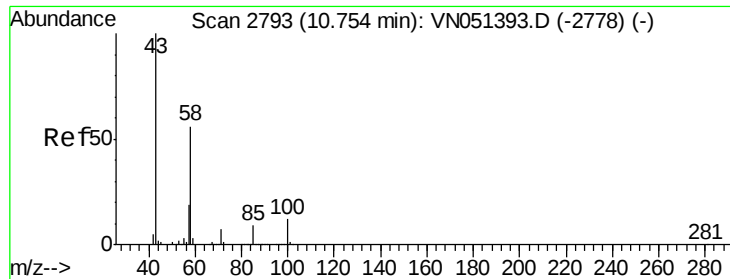
MMDadoda
 9/27/2018 3:18:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.435 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	21.4	32.2





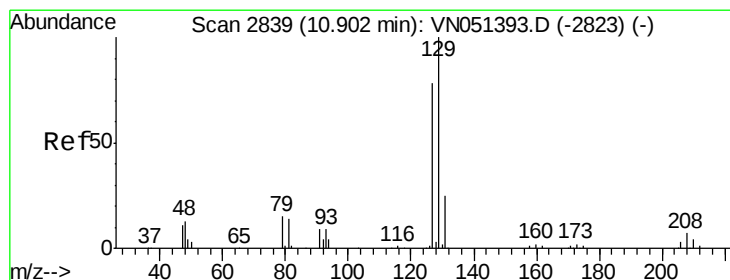
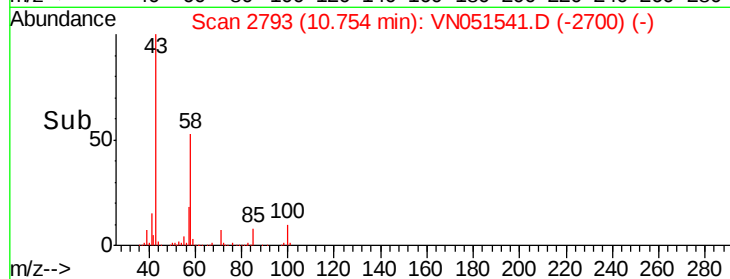
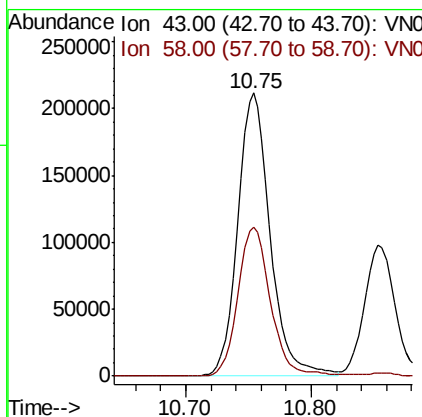
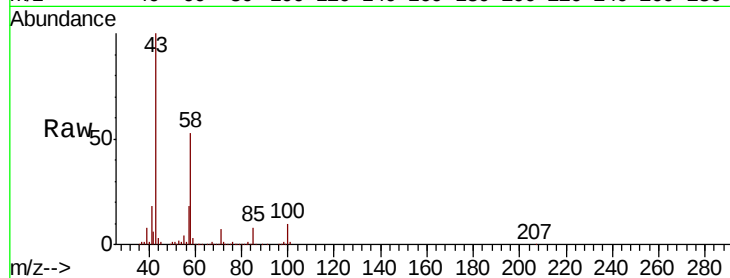
#59
2-Hexanone
Concen: 111.231 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion: 43 Resp: 377702
Ion Ratio Lower Upper
43 100
58 53.1 27.7 83.0

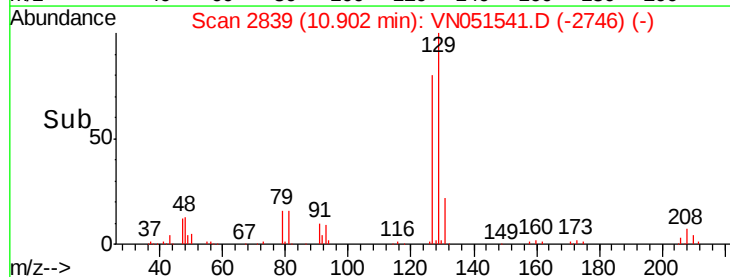
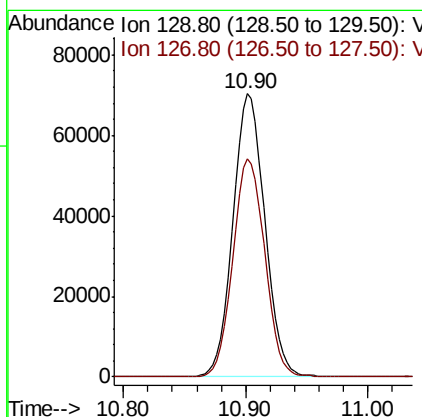
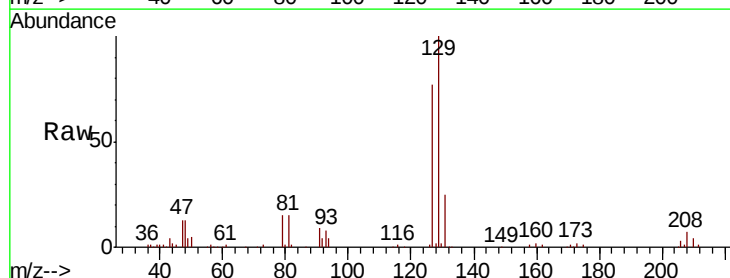
Manual Integrations
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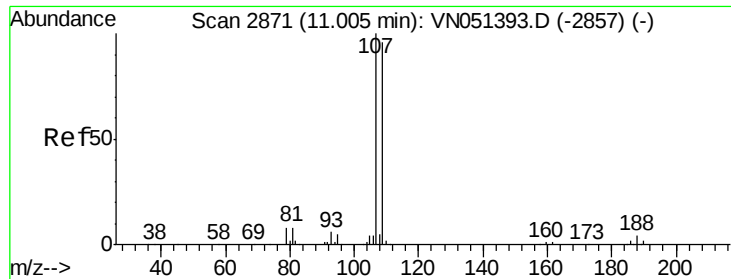
MMDadoda
9/27/2018 3:18:43 PM



#60
Dibromochloromethane
Concen: 18.328 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 129 Resp: 127755
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





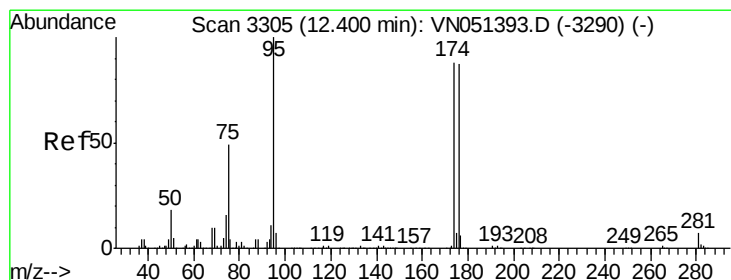
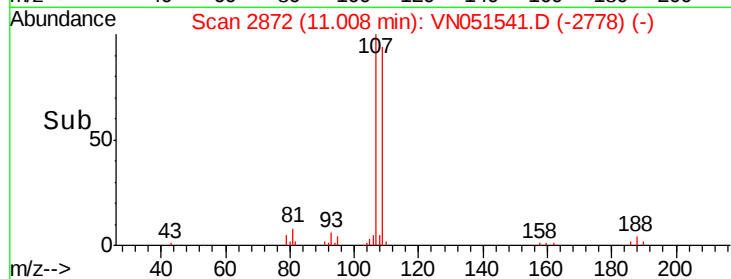
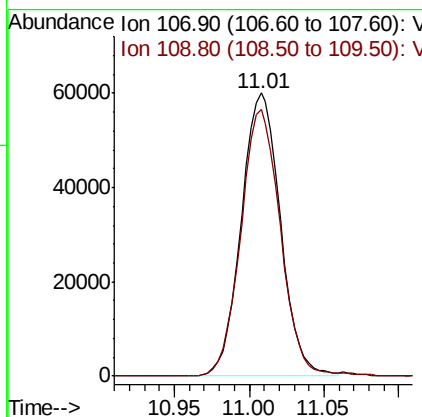
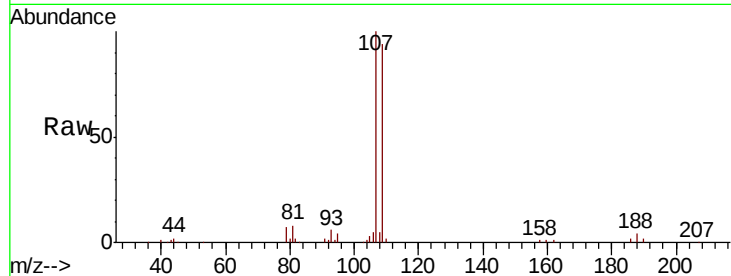
#61
 1,2-Dibromoethane
 Concen: 19.099 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	109531		
109	95.5	76.3	114.5	

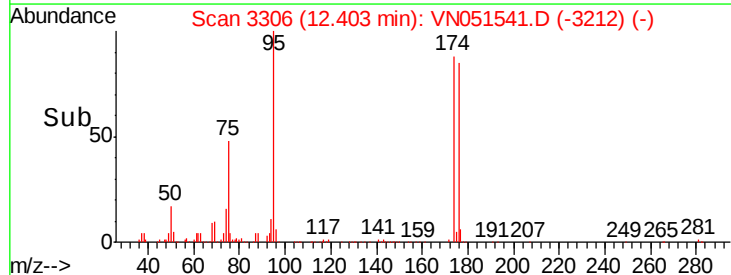
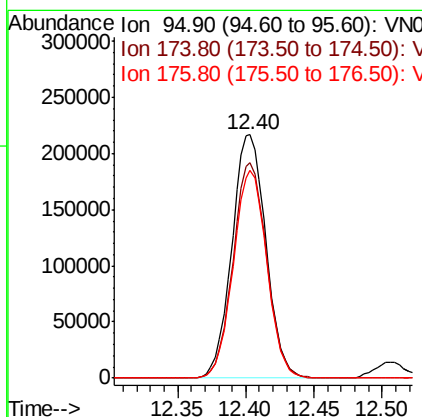
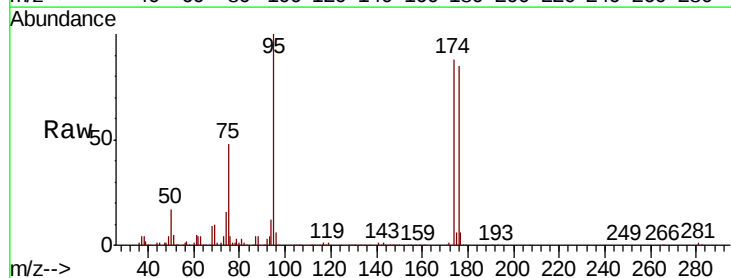
Manual Integrations
 APPROVED

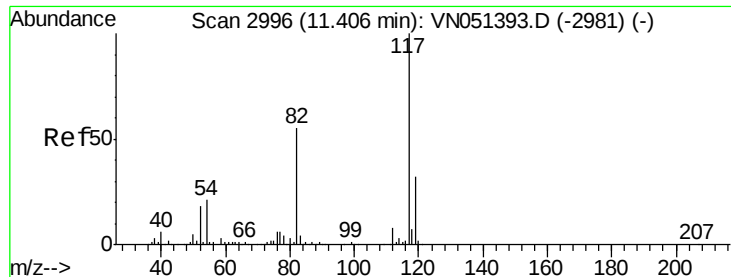
MMDadoda
 9/27/2018 3:18:43 PM



#62
 4-Bromofluorobenzene
 Concen: 48.649 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	374896		
174	87.5	0.0	181.6	
176	84.2	0.0	176.4	





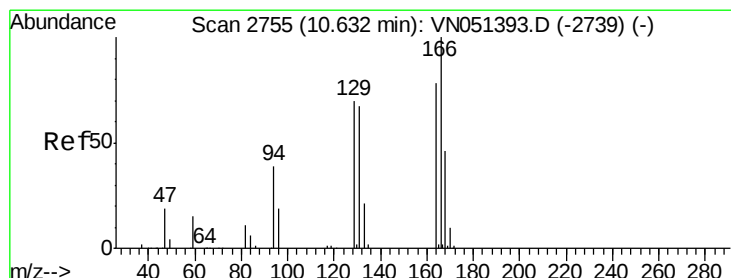
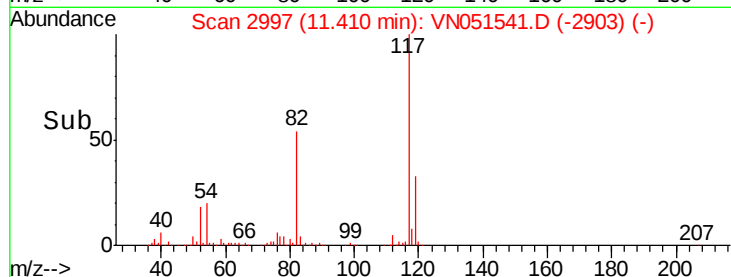
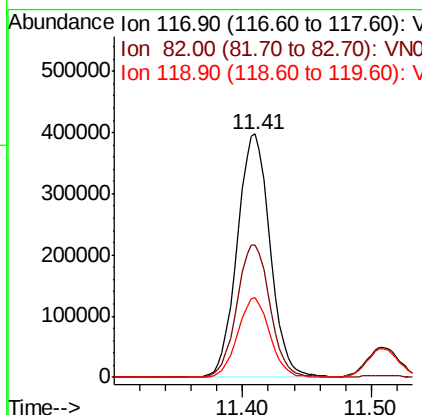
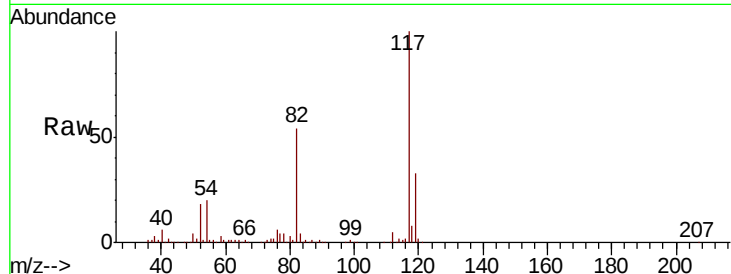
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	705036		
82	54.3		44.2	66.2
119	32.6		25.9	38.9

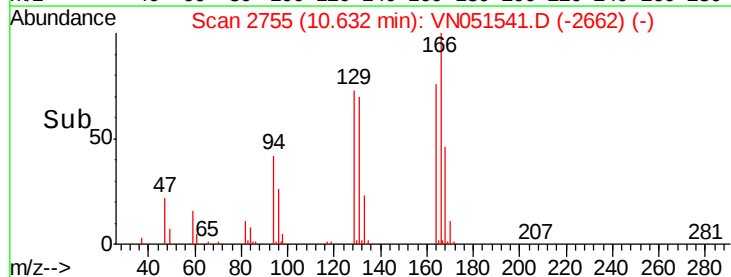
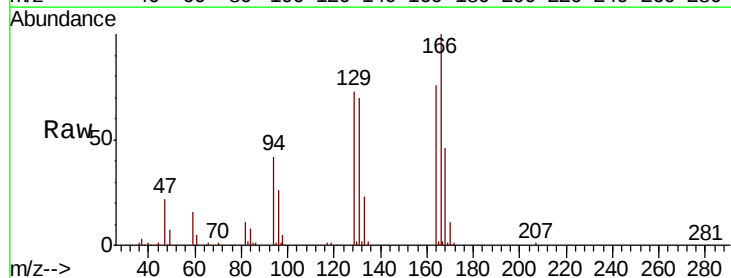
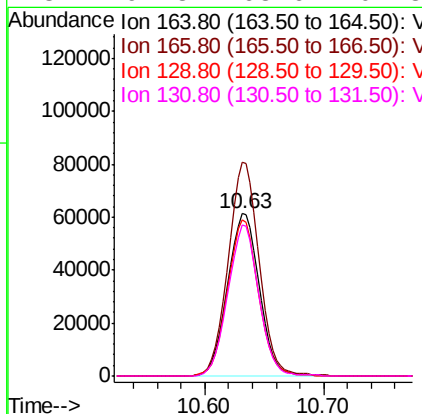
Manual Integrations
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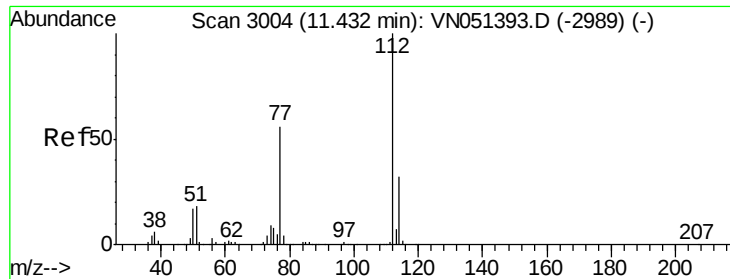
MMDadoda
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#64
Tetrachloroethene
Concen: 17.771 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113711		
166	131.7		102.3	153.5
129	96.2		71.8	107.8
131	92.8		68.6	102.8





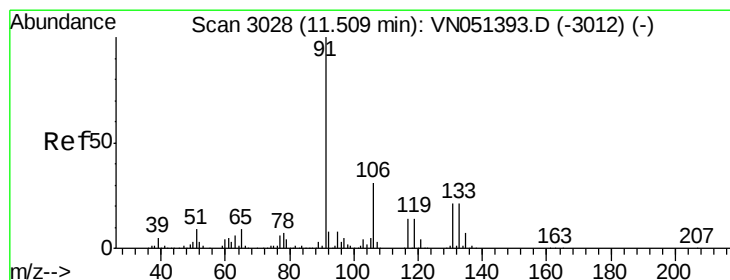
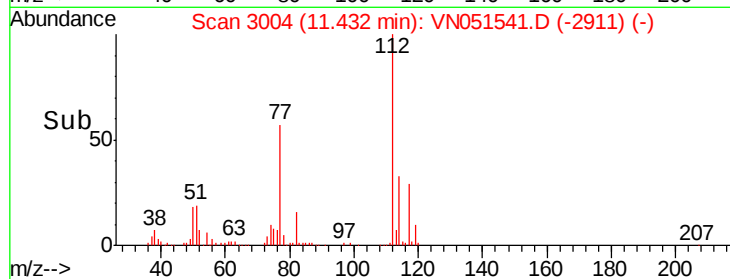
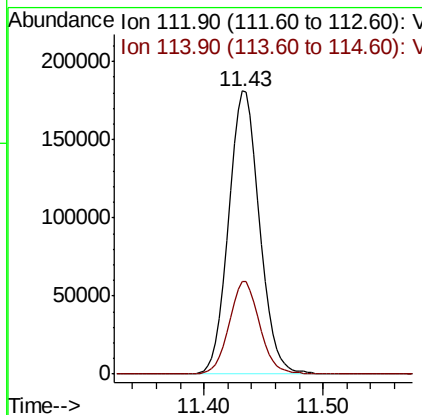
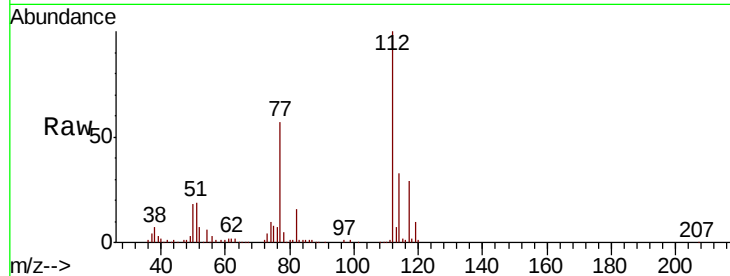
#65
Chlorobenzene
Concen: 18.011 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion:112 Resp: 325794
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

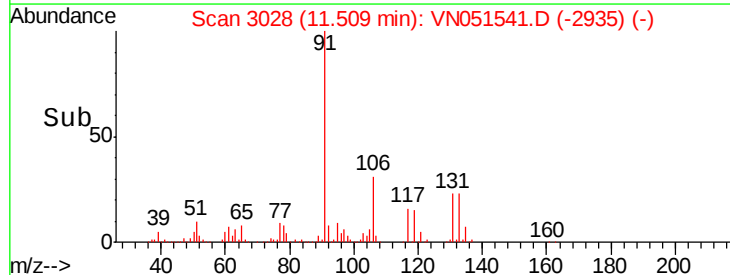
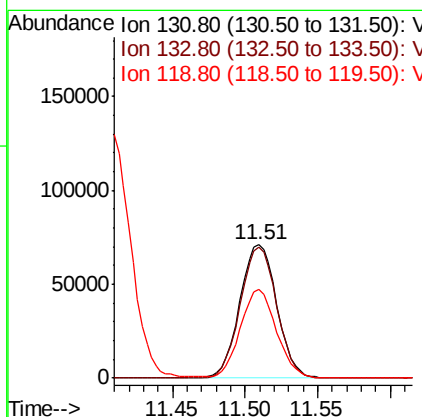
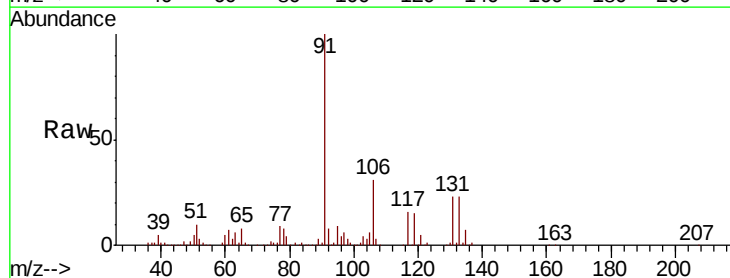
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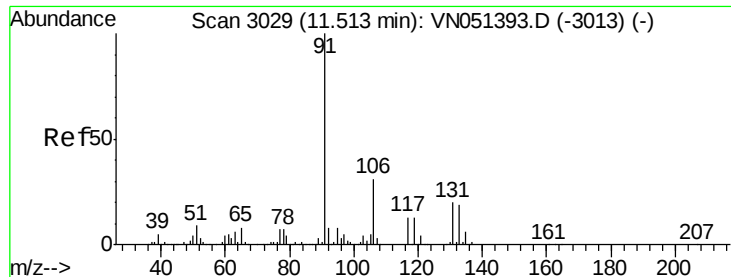
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.325 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion:131 Resp: 126290
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 65.0 32.8 98.4





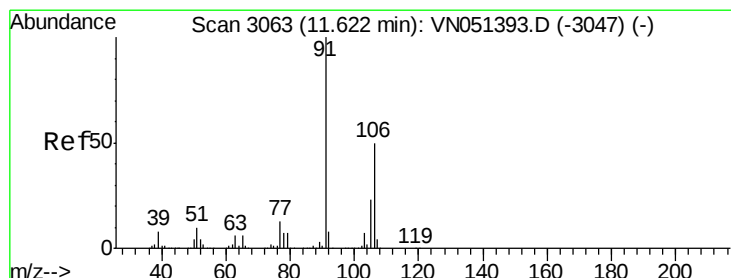
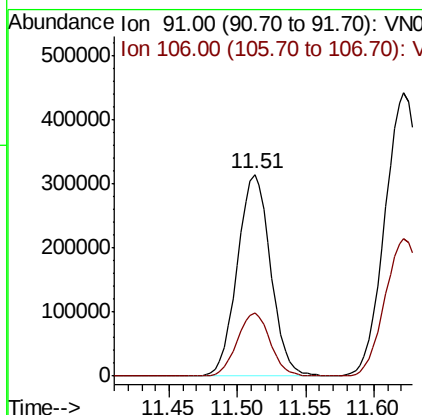
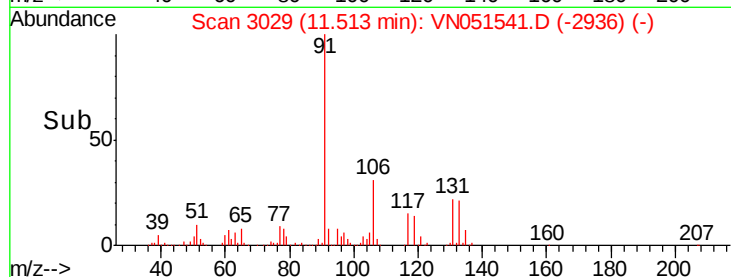
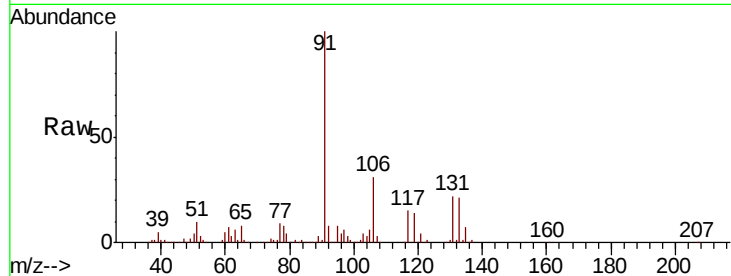
#67
Ethyl Benzene
Concen: 17.509 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

Tot Ion: 91 Resp: 533744
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

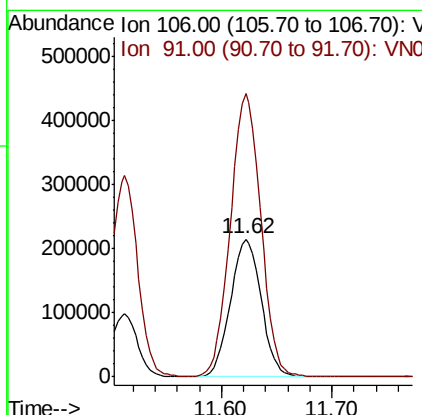
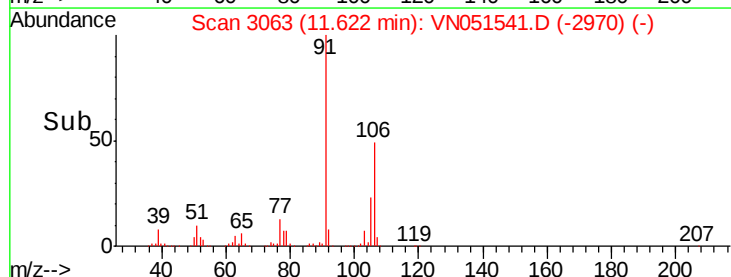
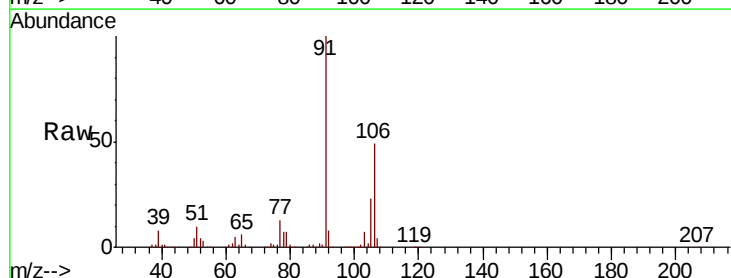
Manual Integrations
APPROVED

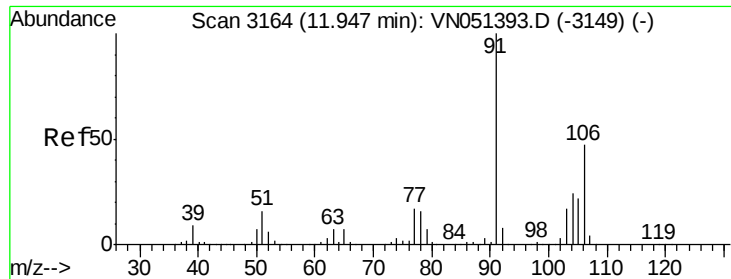
MMDadoda
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#68
m/p-Xylenes
Concen: 35.226 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 106 Resp: 415377
Ion Ratio Lower Upper
106 100
91 203.0 161.3 241.9





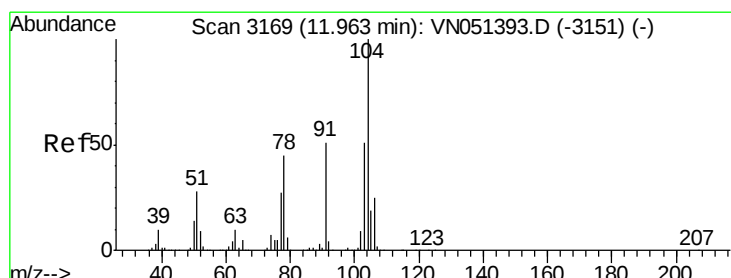
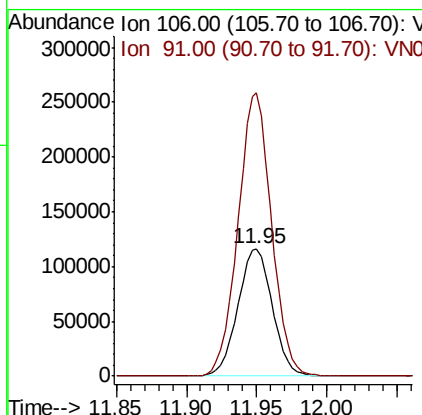
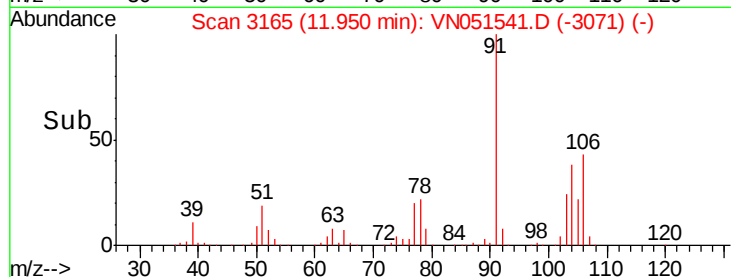
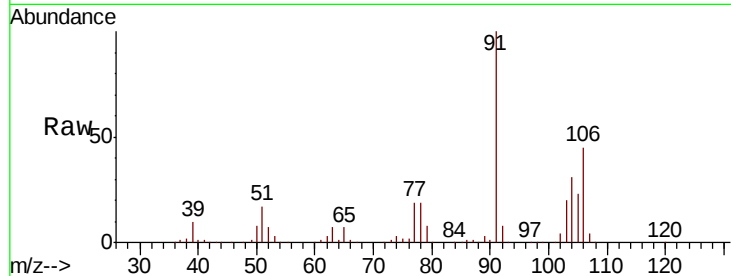
#69
o-Xylene
Concen: 17.539 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.7	105.3	315.9	

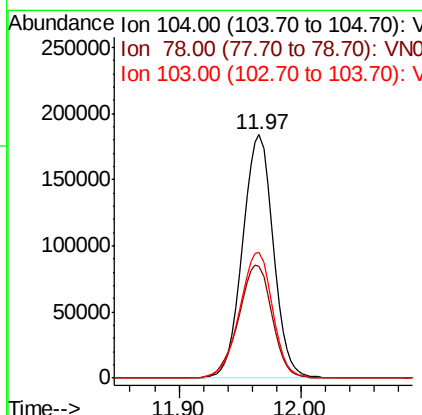
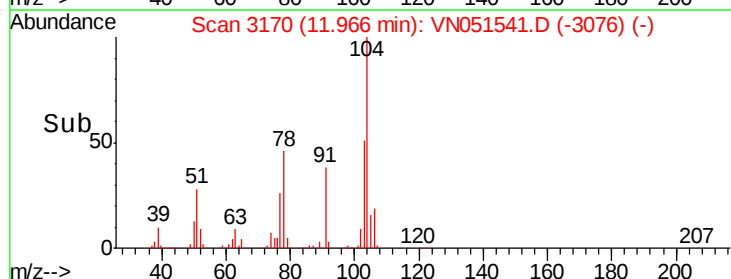
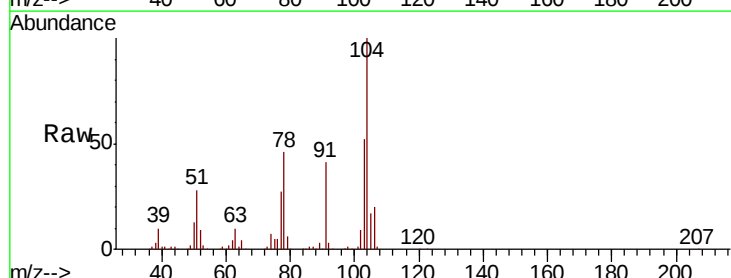
Manual Integrations
APPROVED

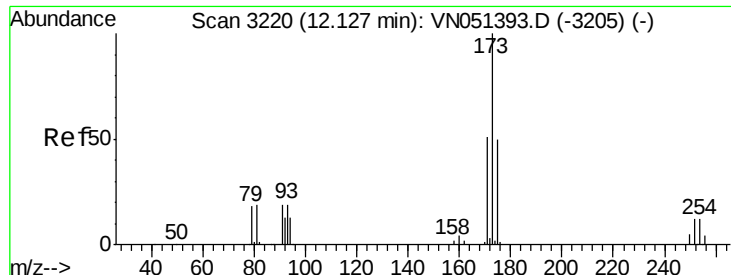
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#70
Styrene
Concen: 17.725 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.1	39.9	59.9	
103	55.7	44.6	66.8	





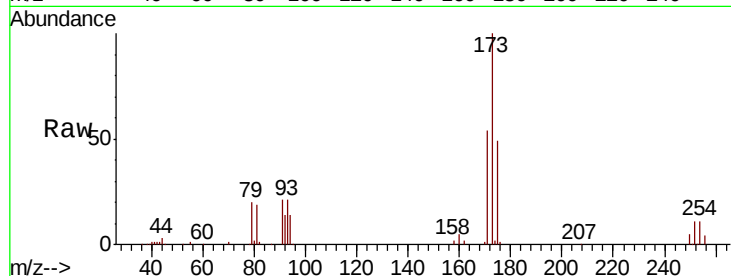
#71
Bromoform
Concen: 19.126 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

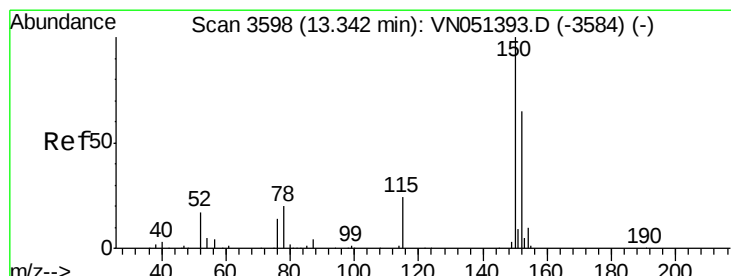
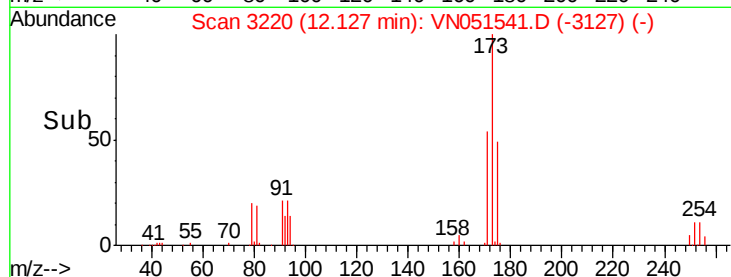
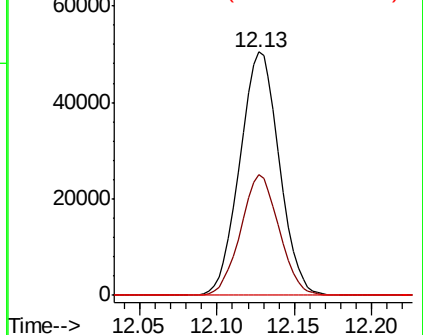
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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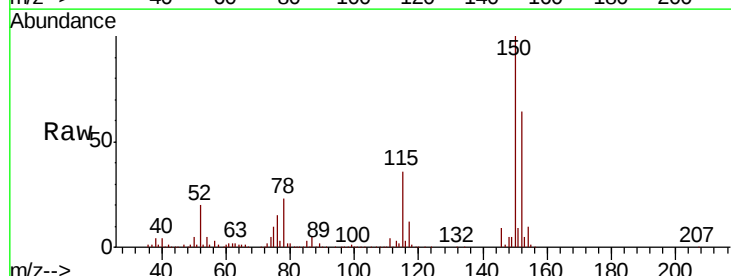


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

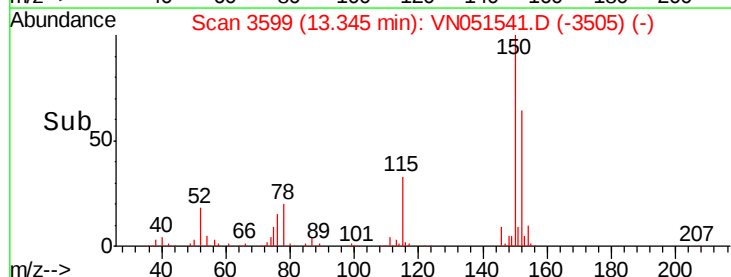
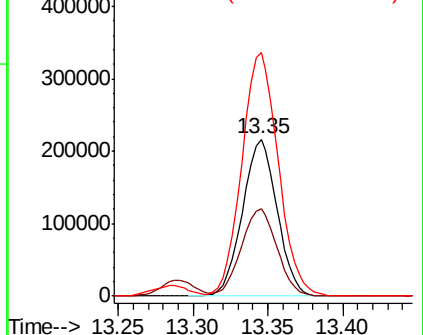


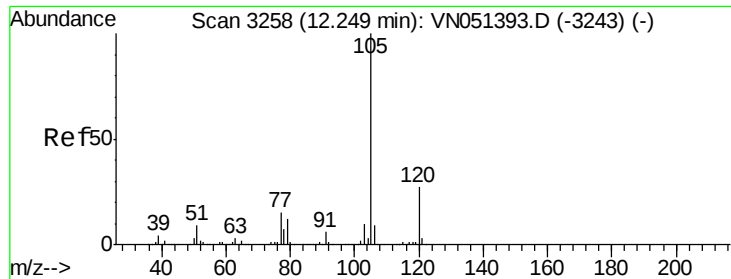
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.3	84.9
150	163.6	0.0	353.6



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





#73

Isopropylbenzene

Concen: 18.432 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion:105 Resp: 542497

Ion Ratio Lower Upper

105 100

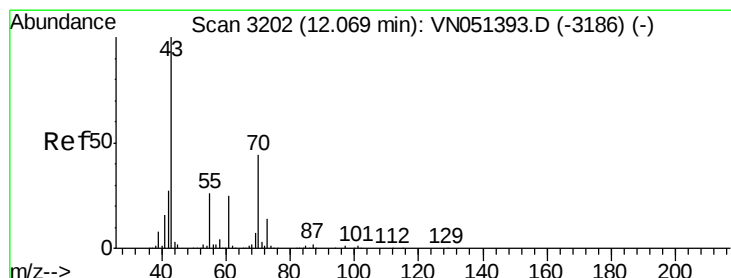
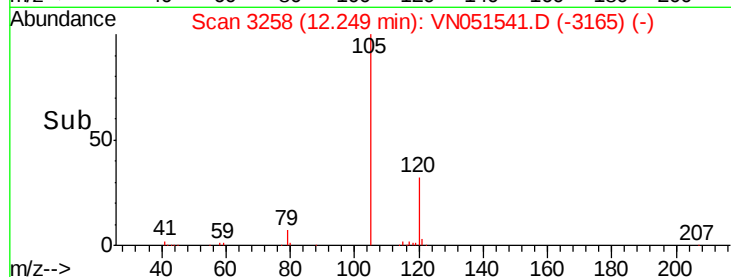
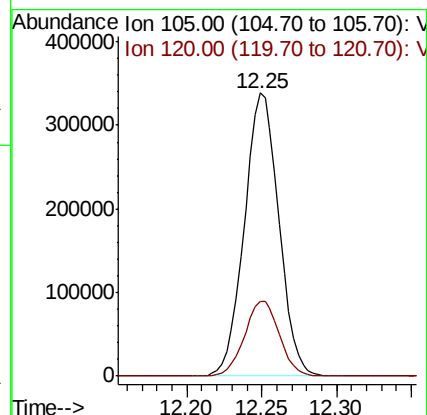
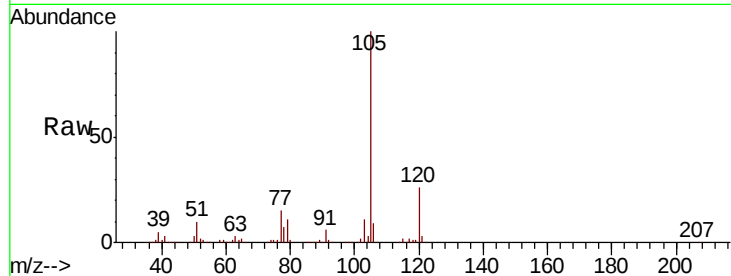
120 26.6 13.3 39.8

Manual Integrations

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9/27/2018 3:18:43 PM



#74

N-ethyl acetate

Concen: 21.219 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion: 43 Resp: 156690

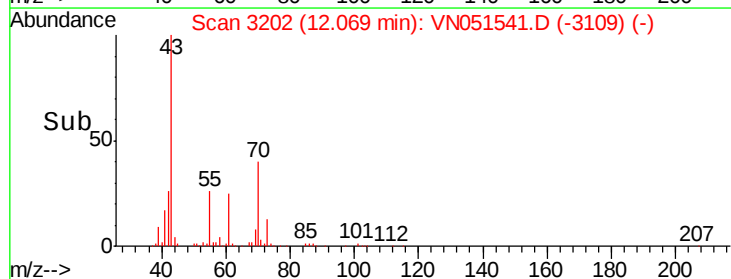
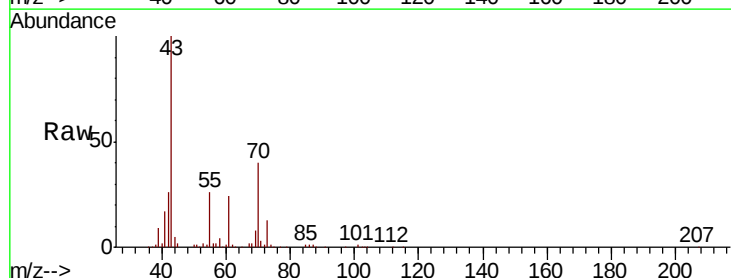
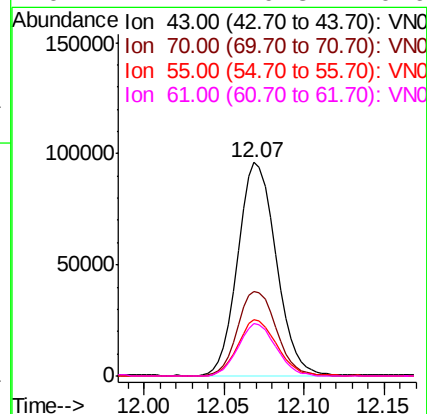
Ion Ratio Lower Upper

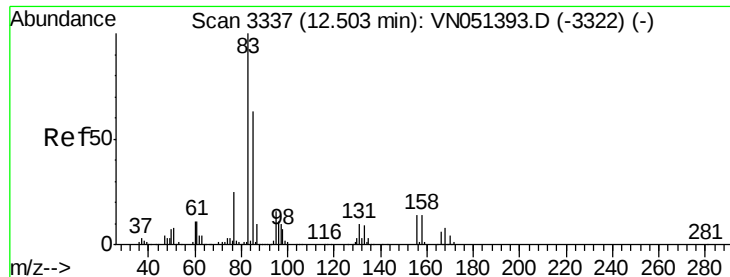
43 100

70 40.3 35.0 52.4

55 27.0 21.4 32.2

61 24.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.149 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

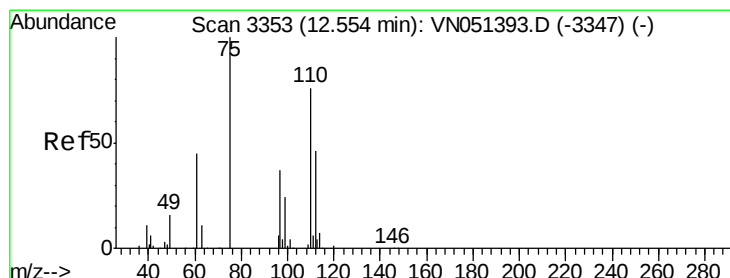
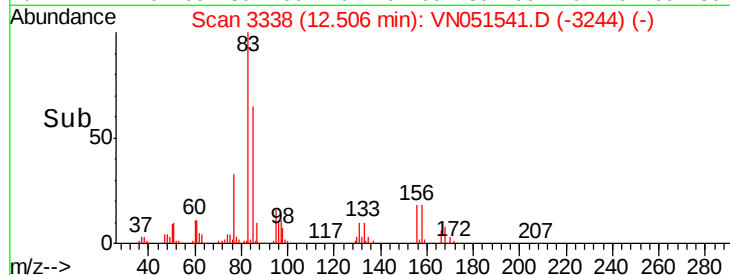
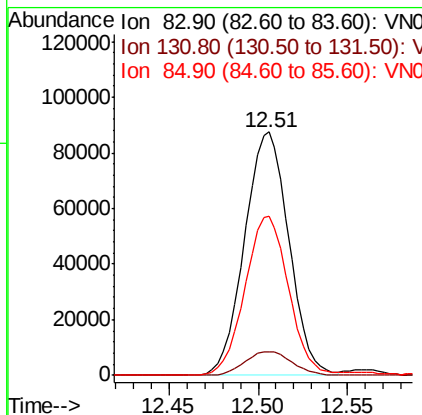
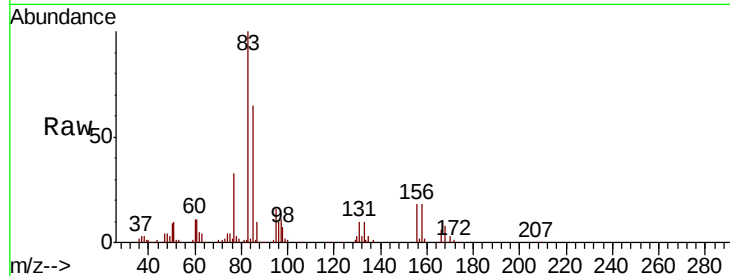
ClientSampled :

VN0927WBS01

Tot Ion:	83	Resp:	152012
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.2	31.6	95.0

Manual Integrations
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9/27/2018 3:18:43 PM



#76

1,2,3-Trichloropropane

Concen: 22.034 ug/l m

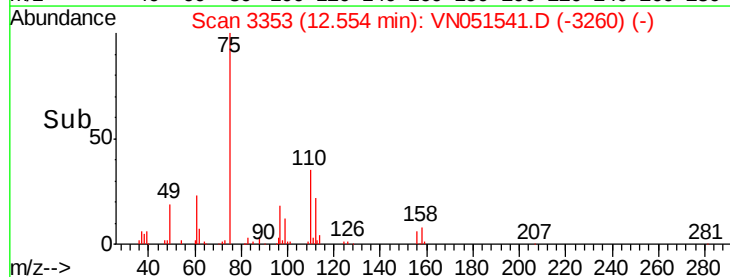
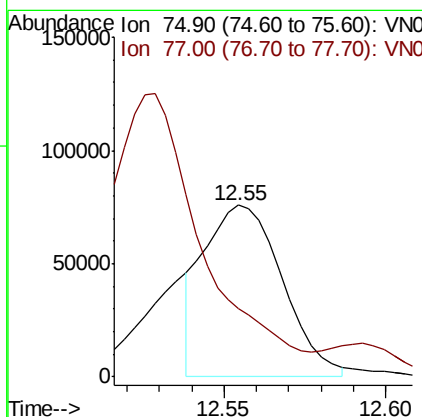
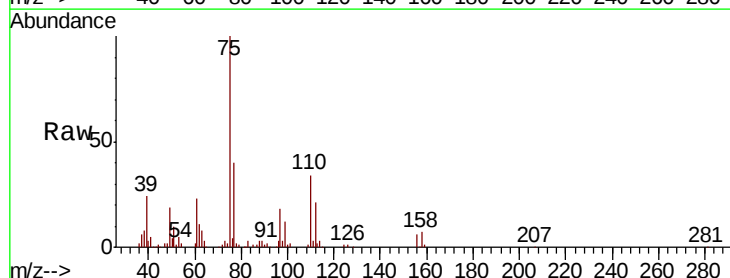
RT: 12.55 min Scan# 3353

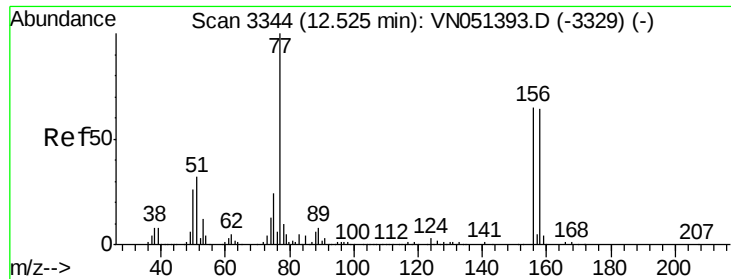
Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion:	75	Resp:	127595
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.168 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

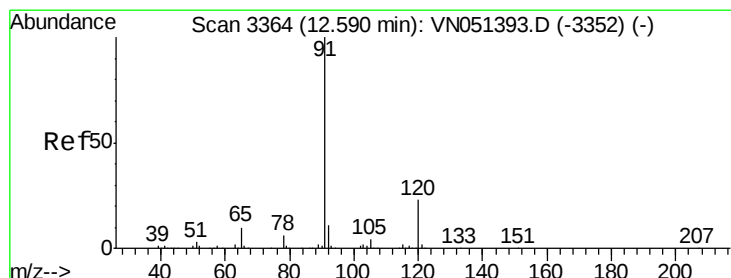
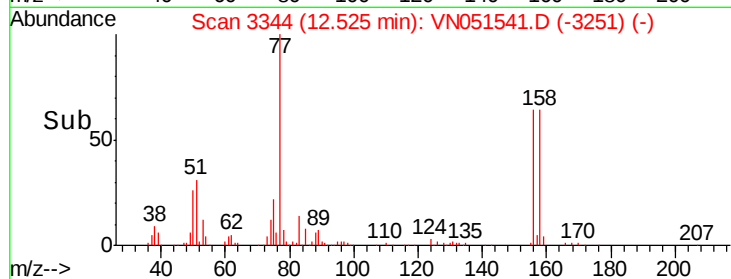
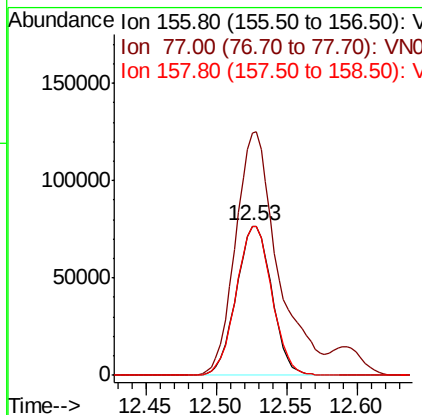
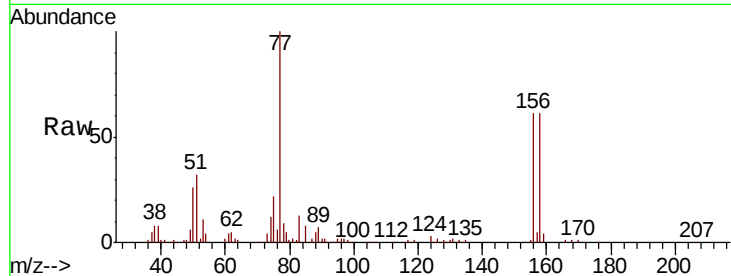
ClientSampleId :

VN0927WBS01

Tot Ion:	156	Resp:	135363
Ion Ratio	Lower	Upper	
156	100		
77	193.4	89.5	268.4
158	100.1	49.4	148.2

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#78

n-propylbenzene

Concen: 18.698 ug/l

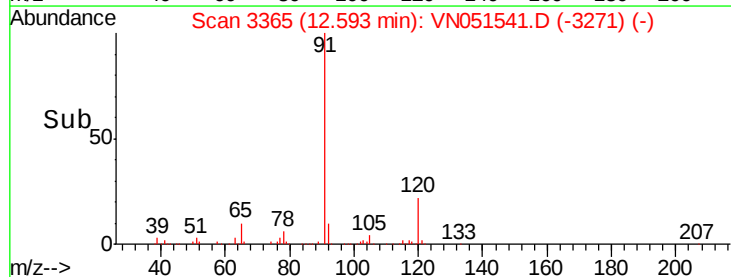
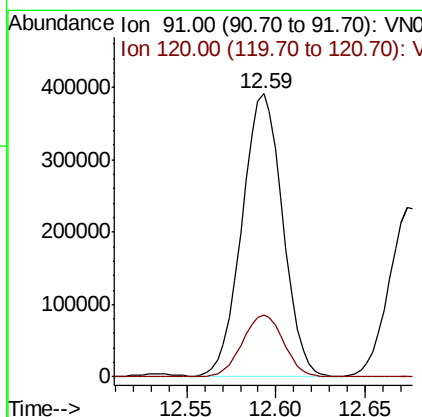
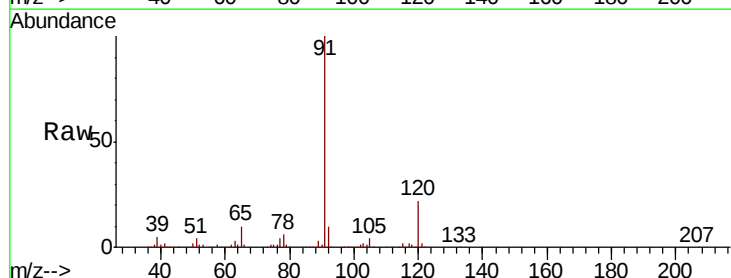
RT: 12.59 min Scan# 3365

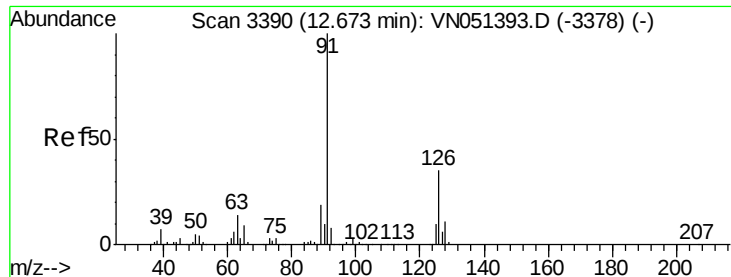
Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion:	91	Resp:	620222
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

Tot Ion: 91 Resp: 382302

Ion Ratio Lower Upper

91 100

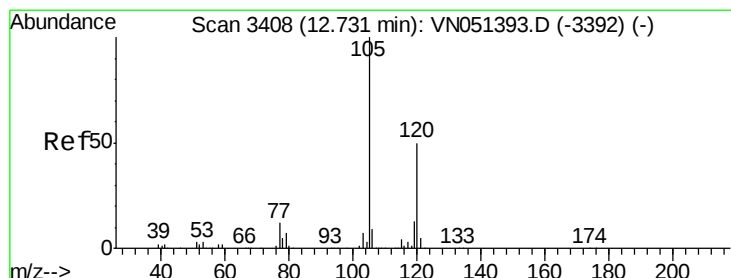
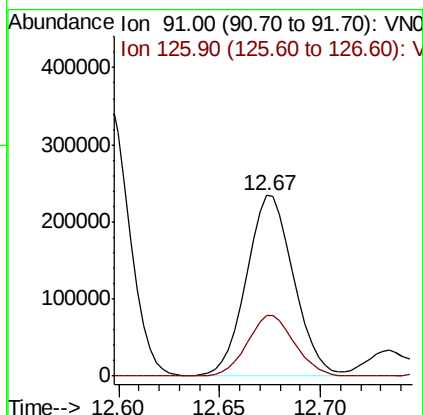
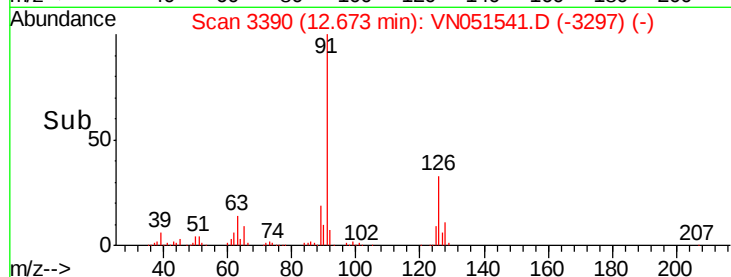
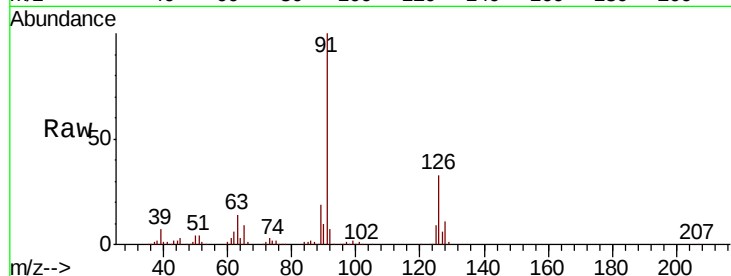
126 33.9 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 18.827 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051541.D

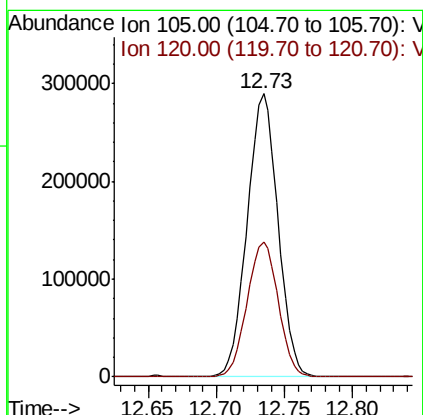
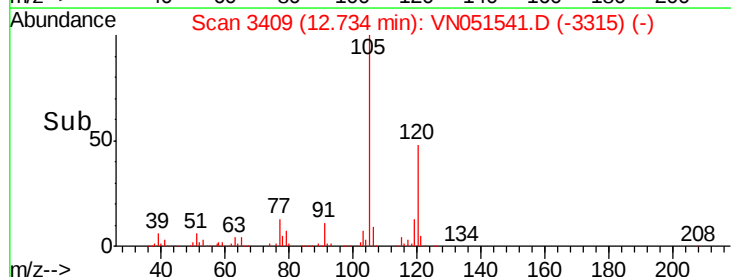
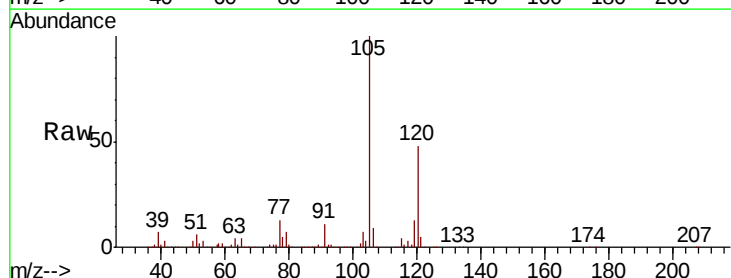
Acq: 26 Sep 2018 17:54

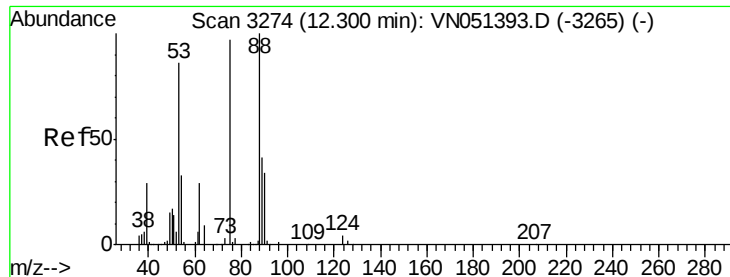
Tgt Ion: 105 Resp: 451829

Ion Ratio Lower Upper

105 100

120 48.3 24.8 74.4





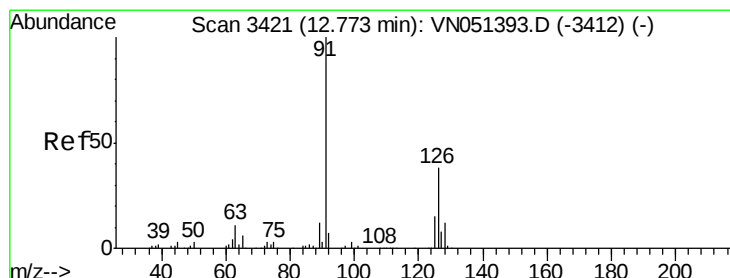
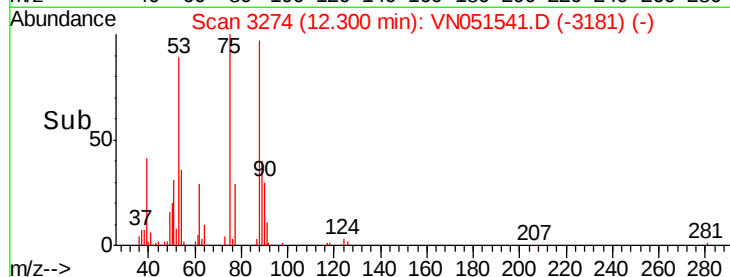
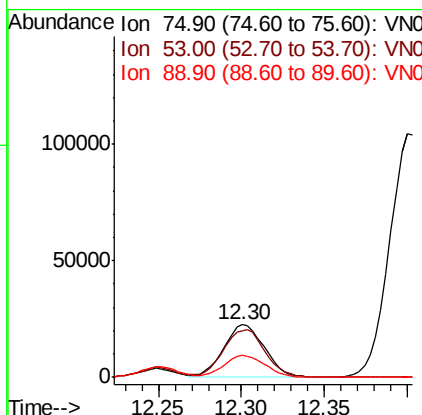
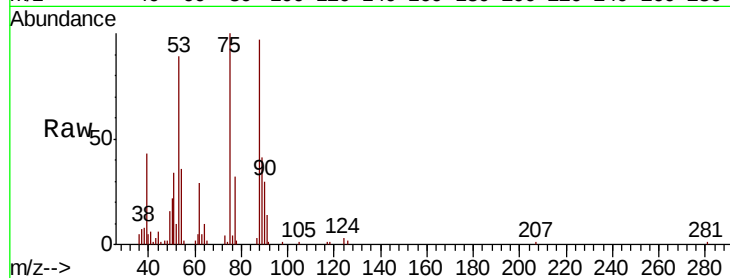
#81
trans-1,4-Dichloro-2-butene
Concen: 20.791 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.4	73.9	110.9
89	42.3	36.7	55.1

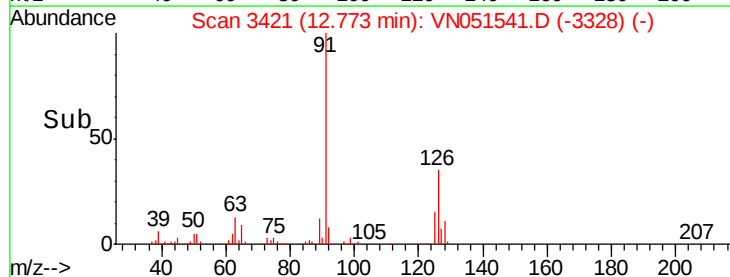
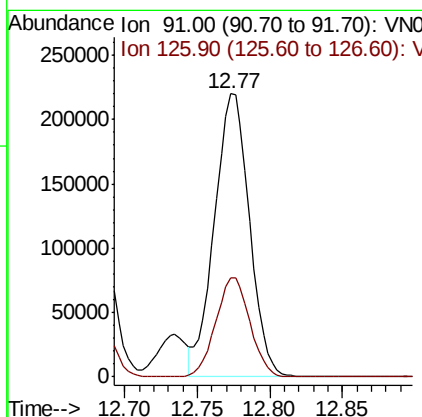
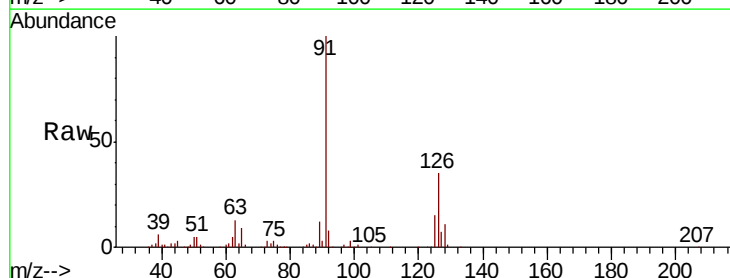
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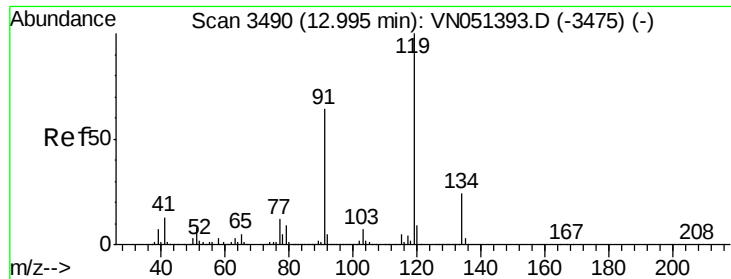
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#82
4-Chlorotoluene
Concen: 18.557 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.5	52.5





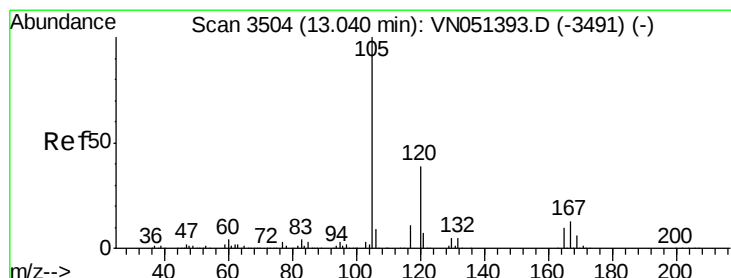
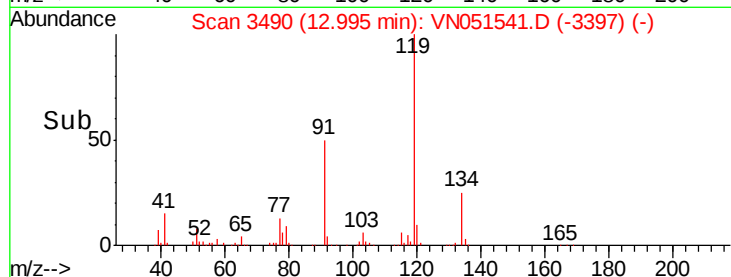
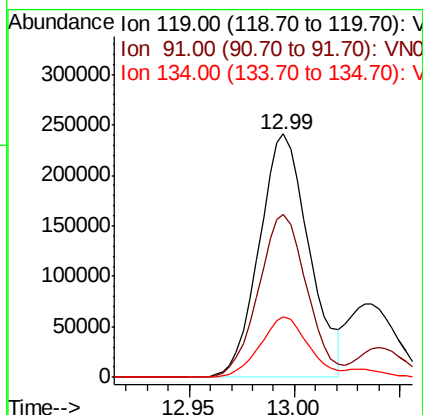
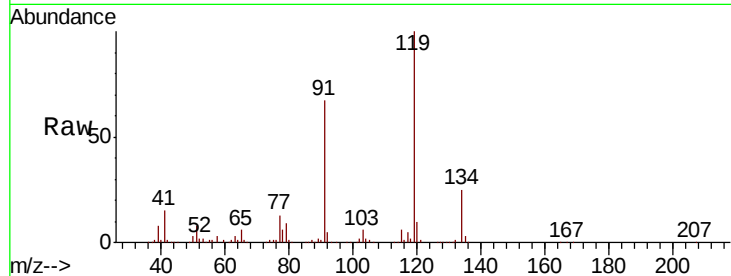
#83
 tert-Butylbenzene
 Concen: 18.541 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	31.7	95.1
134	24.4	12.3	36.9

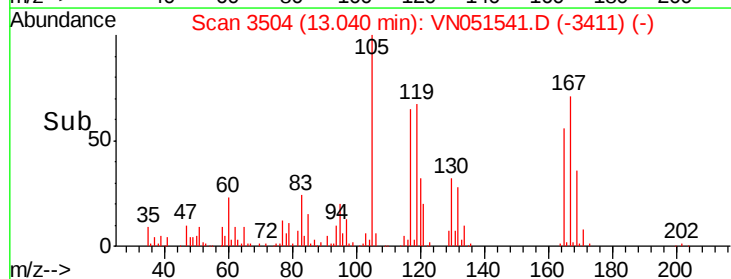
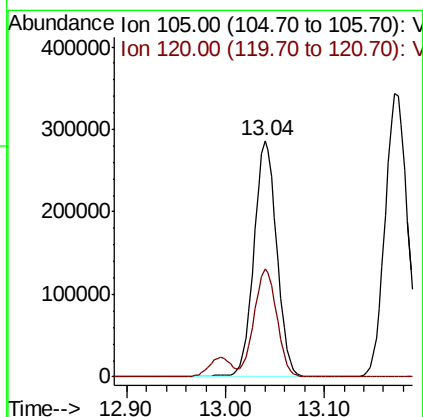
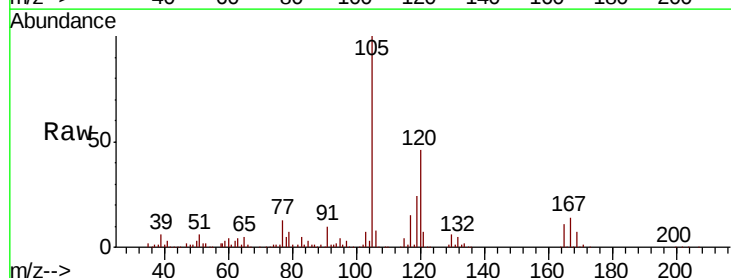
Manual Integrations
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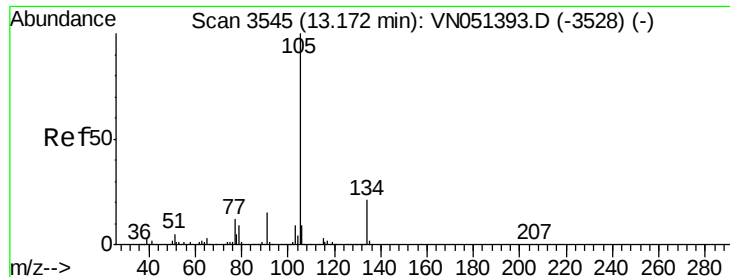
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.817 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 18.776 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tot Ion:105 Resp: 542594

Ion Ratio Lower Upper

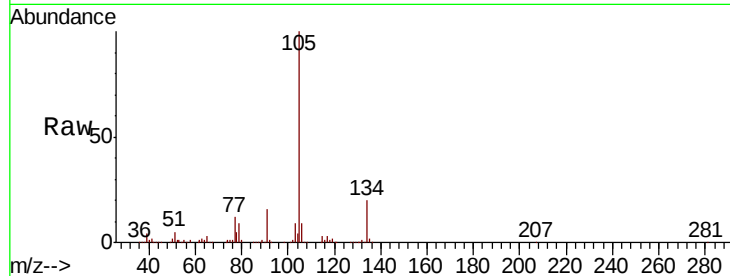
105 100

134 20.3 10.4 31.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

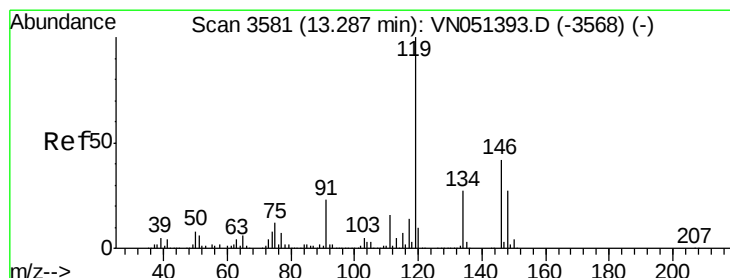
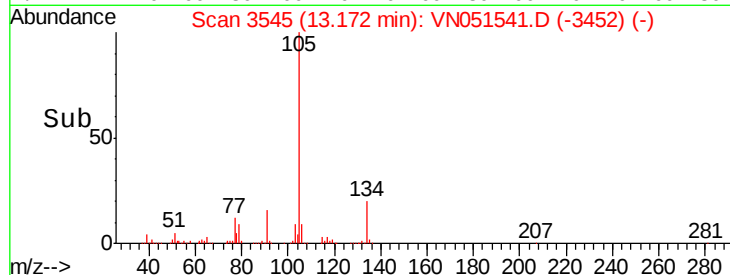
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.515 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

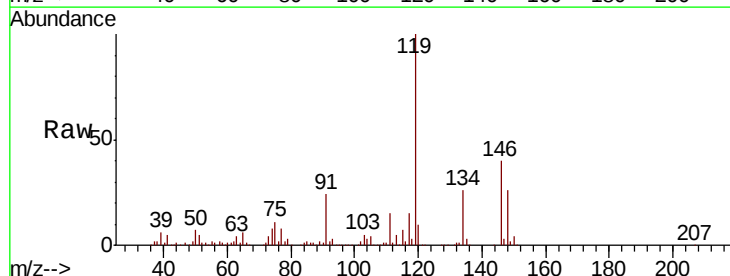
Tgt Ion:119 Resp: 462967

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 23.2 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

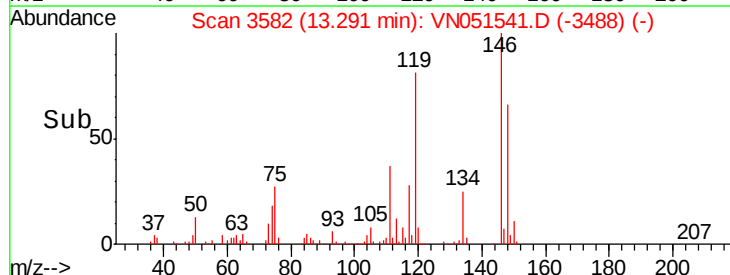
300000

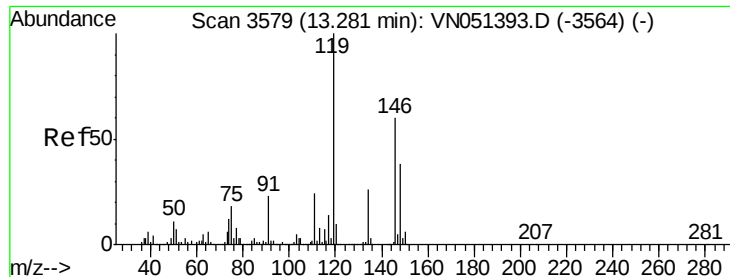
200000

100000

0

Time-->





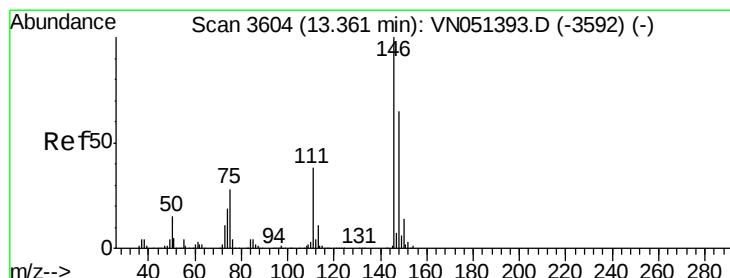
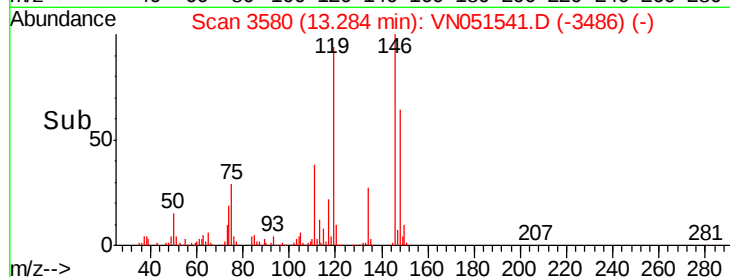
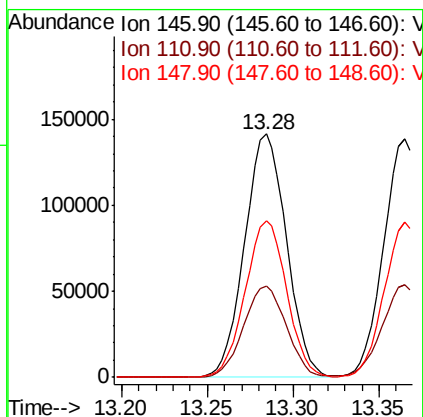
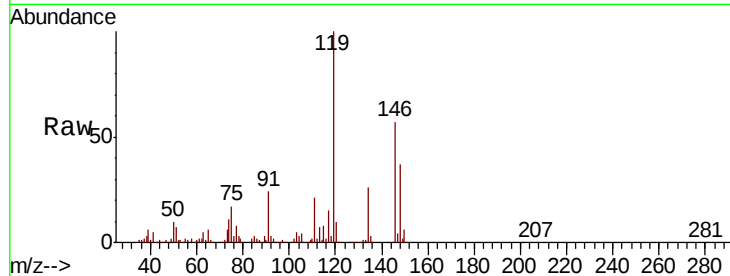
#87
 1,3-Dichlorobenzene
 Concen: 18.540 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.1
148	63.5	31.9	95.7

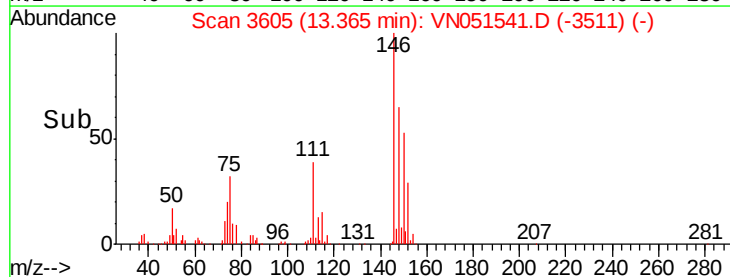
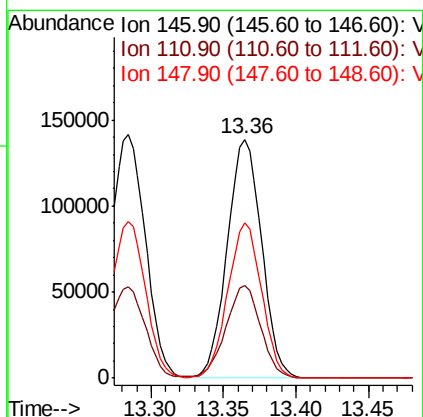
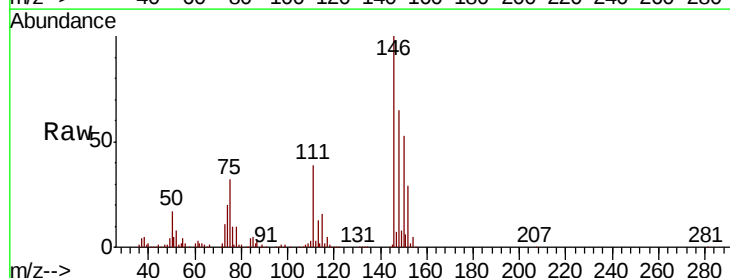
Manual Integrations
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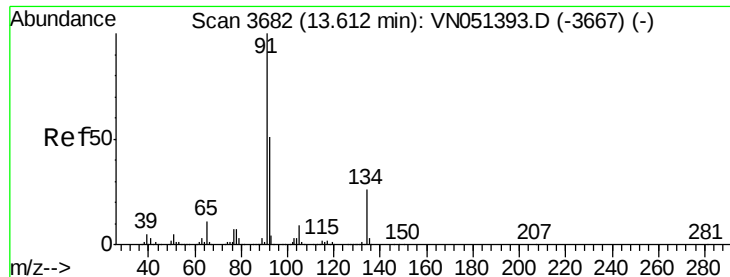
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#88
 1,4-Dichlorobenzene
 Concen: 18.397 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.1
148	63.9	32.5	97.5





#89

n-Butylbenzene

Concen: 17.410 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

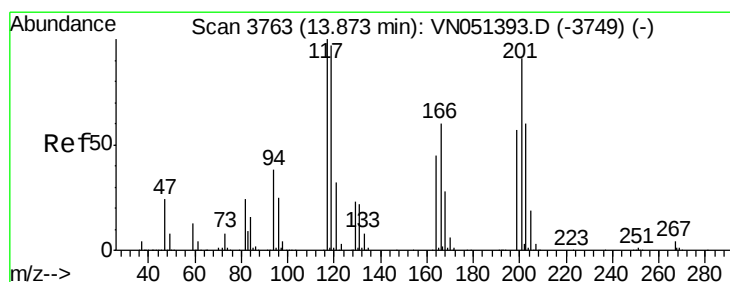
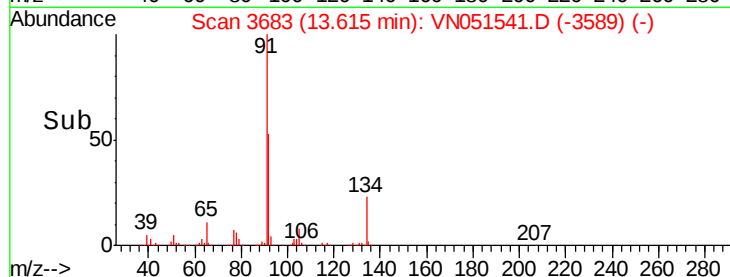
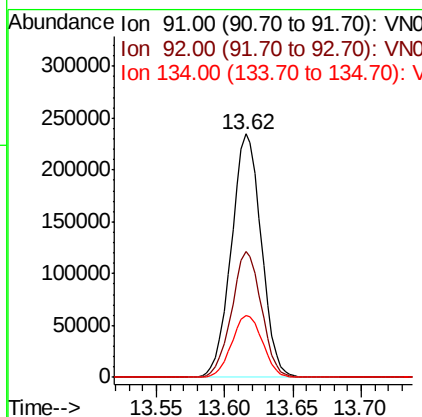
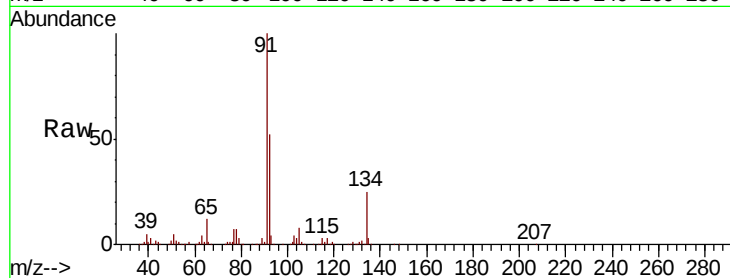
ClientSampleId :

VN0927WBS01

Tot Ion:	91	Resp:	357978
Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.5	76.5
134	26.1	13.3	39.8

Manual Integrations
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#90

Hexachloroethane

Concen: 18.350 ug/l

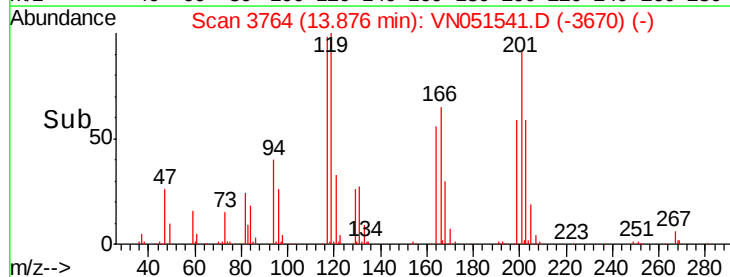
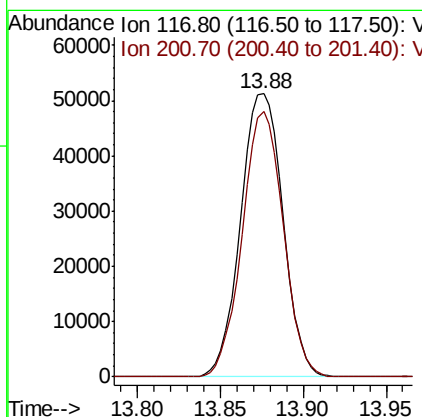
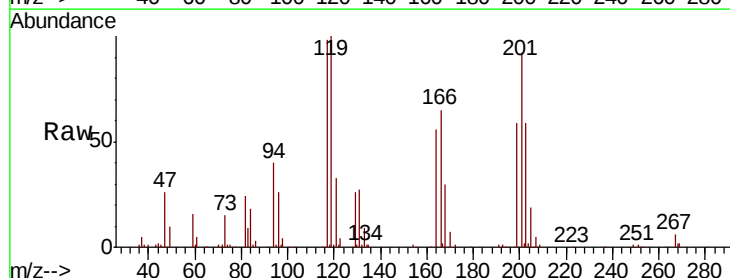
RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion:	117	Resp:	91423
Ion	Ratio	Lower	Upper
117	100		
201	90.6	45.5	136.4





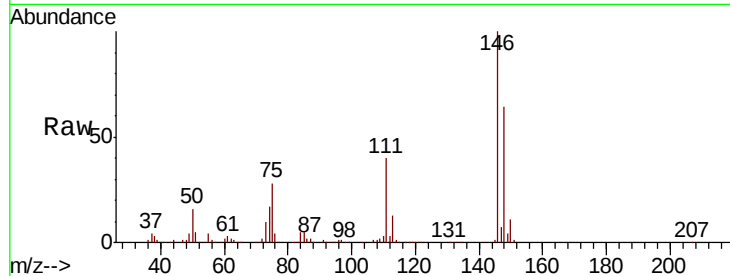
#91
 1,2-Dichlorobenzene
 Concen: 19.165 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	64.4	32.1	96.5

Manual Integrations
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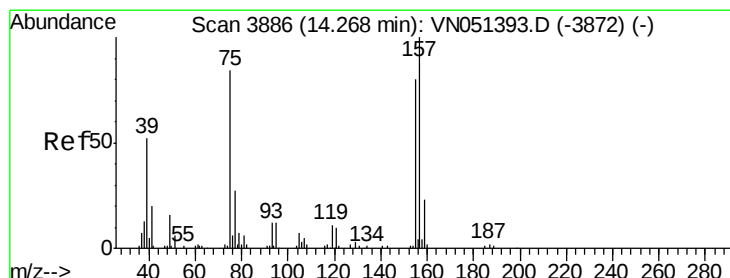
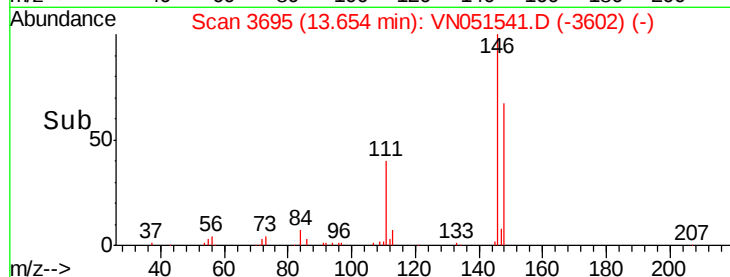
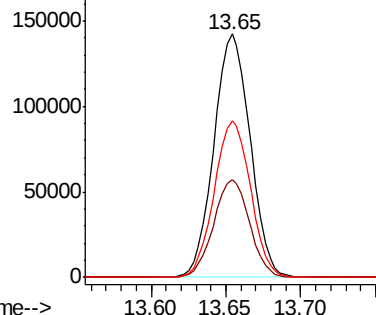


Abundance

Ion 145.90 (145.60 to 146.60): V

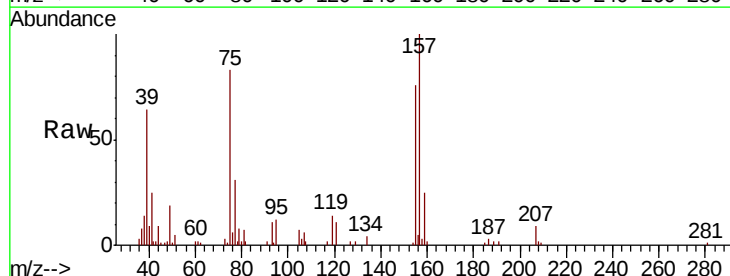
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.020 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	46.9	140.6
157	115.7	58.4	175.1

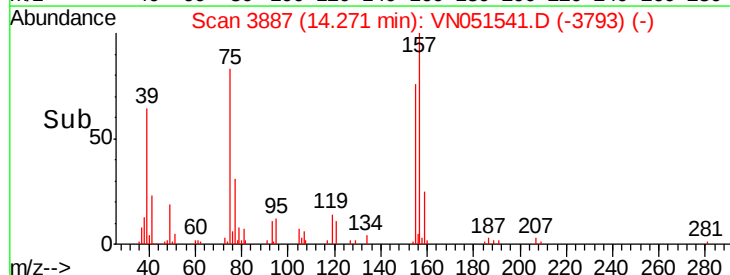
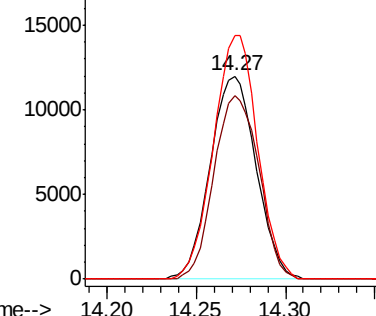


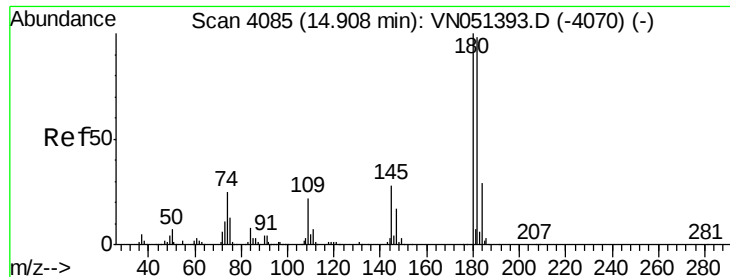
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





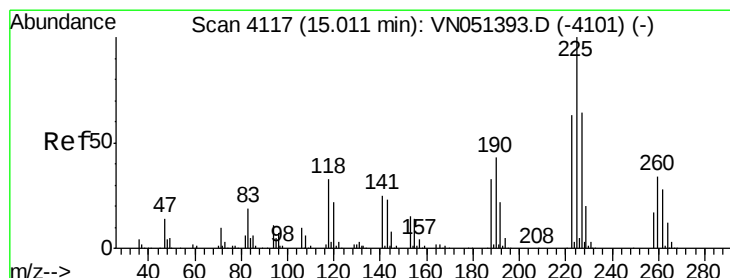
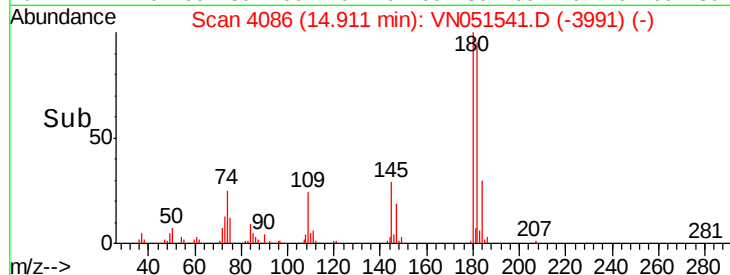
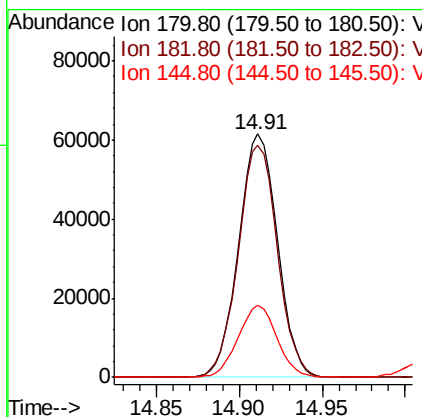
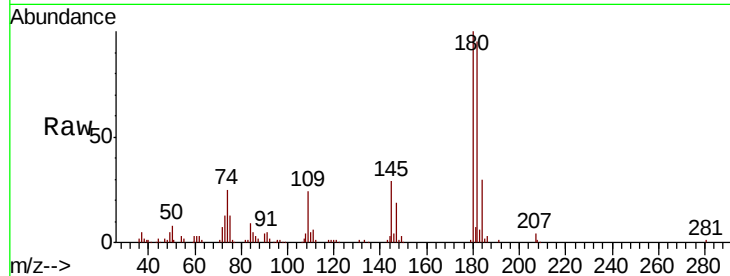
#93
 1,2,4-Trichlorobenzene
 Concen: 19.049 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Tot Ion:	180	Resp:	100109
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.5	145.6
145	29.5	14.1	42.4

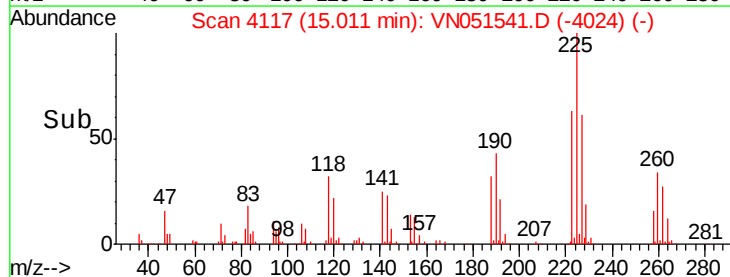
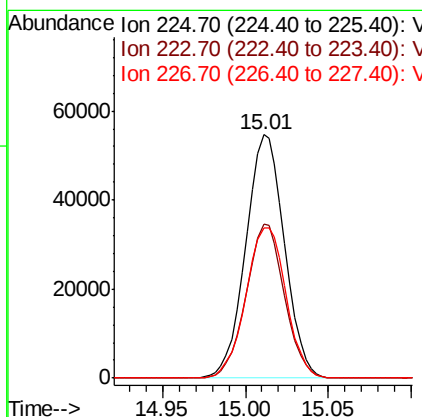
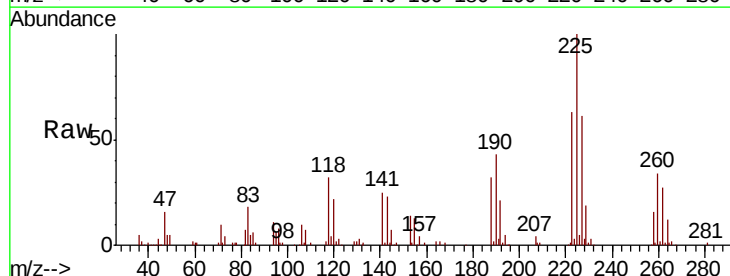
Manual Integrations
 APPROVED

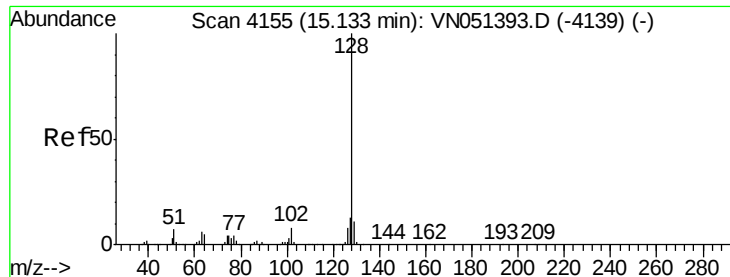
MMDadoda
 9/27/2018 3:18:43 PM



#94
 Hexachlorobutadiene
 Concen: 18.783 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion:	225	Resp:	88904
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.9	95.9
227	63.9	32.5	97.5





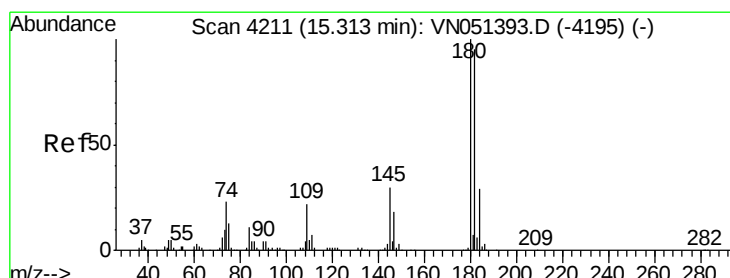
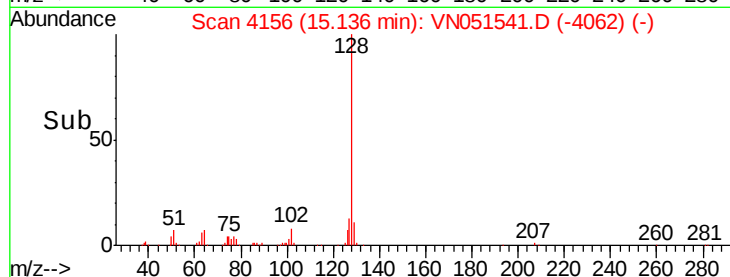
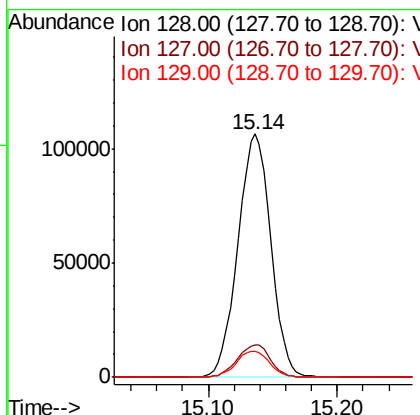
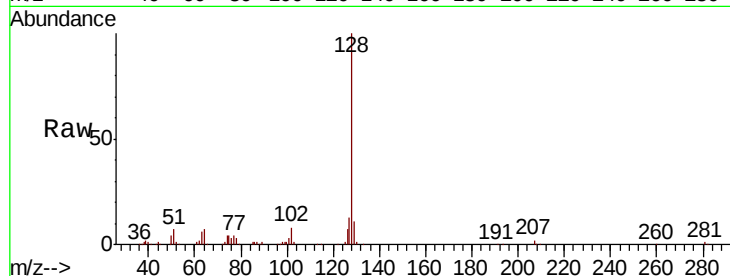
#95
Naphthalene
Concen: 20.287 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	189232		
127	13.5		10.5	15.7
129	11.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.054 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108390		
182	96.4		47.2	141.6
145	30.6		14.6	43.8

